

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029083.D
 Acq On : 09 Jan 2019 10:26
 Operator : MD/SY
 Sample : VU0109WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:38:31 AM

Quant Time: Jan 10 04:39:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	184680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	75189	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
35) Dibromofluoromethane	4.88	113	63196	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	7.56	98	242728	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	10.30	95	83015	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22042	19.902	ug/l	98
3) Chloromethane	1.33	50	35792	19.826	ug/l	99
4) Vinyl Chloride	1.40	62	33056	20.254	ug/l	98
5) Bromomethane	1.62	94	19689	21.748	ug/l	94
6) Chloroethane	1.69	64	20080	20.655	ug/l	99
7) Trichlorofluoromethane	1.88	101	35255	19.824	ug/l	99
8) Diethyl Ether	2.10	74	17341	20.296	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24322	20.440	ug/l	98
10) Methyl Iodide	2.41	142	23050	20.601	ug/l	97
11) Tert butyl alcohol	2.83	59	36774	104.796	ug/l	100
12) 1,1-Dichloroethene	2.28	96	23600	20.376	ug/l	98
13) Acrolein	2.19	56	25985	98.616	ug/l	98
14) Allyl chloride	2.59	41	41061	19.321	ug/l	92
15) Acrylonitrile	2.94	53	94816	110.135	ug/l	99
16) Acetone	2.32	43	88133	101.339	ug/l	99
17) Carbon Disulfide	2.48	76	74289	19.024	ug/l	99
18) Methyl Acetate	2.61	43	46300	22.896	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	82376	20.230	ug/l	99
20) Methylene Chloride	2.70	84	29485	19.968	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	26435	19.645	ug/l	96
22) Diisopropyl ether	3.57	45	90249	21.487	ug/l	96
23) Vinyl Acetate	3.52	43	363770	105.943	ug/l	99
24) 1,1-Dichloroethane	3.44	63	51060	21.059	ug/l	99
25) 2-Butanone	4.26	43	130716	111.282	ug/l	100
26) 2,2-Dichloropropane	4.23	77	41069	20.963	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	30179	20.505	ug/l	98
28) Bromochloromethane	4.55	49	24236	23.344	ug/l	97
29) Tetrahydrofuran	4.64	42	80945	113.618	ug/l	98
30) Chloroform	4.67	83	49150	21.283	ug/l	100
31) Cyclohexane	4.99	56	47224	19.958	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	39561	20.732	ug/l	98
36) 1,1-Dichloropropene	5.13	75	37040	20.065	ug/l	98
37) Ethyl Acetate	4.38	43	44508	21.966	ug/l	99
38) Carbon Tetrachloride	5.13	117	31590	20.518	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	43430	19.137	ug/l	98
40) Benzene	5.39	78	117244	20.362	ug/l	99
41) Methacrylonitrile	4.54	41	24214	22.325	ug/l	97
42) 1,2-Dichloroethane	5.40	62	36918	21.337	ug/l	100
43) Isopropyl Acetate	5.55	43	68740	22.116	ug/l	98
44) Trichloroethene	6.19	130	27799	19.485	ug/l	94
45) 1,2-Dichloropropane	6.43	63	32025	21.061	ug/l	99
46) Dibromomethane	6.56	93	20035	20.611	ug/l	99
47) Bromodichloromethane	6.76	83	37855	21.151	ug/l	99
48) Methyl methacrylate	6.62	41	32106	21.213	ug/l	98
49) 1,4-Dioxane	6.61	88	15805	440.654	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	231107	109.253	ug/l	99
52) Toluene	7.64	92	70274	20.048	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	42425	19.733	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	46634	20.074	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	29409	20.942	ug/l	99
56) Ethyl methacrylate	8.02	69	42664	19.720	ug/l	98
57) 1,3-Dichloropropane	8.24	76	49618	20.649	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	91915	96.605	ug/l	99
59) 2-Hexanone	8.36	43	178965	107.780	ug/l	98
60) Dibromochloromethane	8.48	129	28855	20.740	ug/l	99
61) 1,2-Dibromoethane	8.58	107	30666	20.135	ug/l	99
64) Tetrachloroethene	8.22	164	24614	19.971	ug/l	97
65) Chlorobenzene	9.12	112	74795	19.503	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	25276	20.309	ug/l	100
67) Ethyl Benzene	9.25	91	124603	19.460	ug/l	99
68) m/p-Xylenes	9.37	106	96794	38.906	ug/l	99
69) o-Xylene	9.78	106	46929	19.577	ug/l	98
70) Styrene	9.79	104	76497	19.466	ug/l	99
71) Bromoform	9.96	173	22081	19.925	ug/l #	98
73) Isopropylbenzene	10.17	105	123040	20.427	ug/l	100
74) N-amyl acetate	10.01	43	54398	20.958	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	51134	21.182	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	43833m	21.984	ug/l	
77) Bromobenzene	10.45	156	31399	20.004	ug/l	97
78) n-propylbenzene	10.58	91	144626	20.375	ug/l	99
79) 2-Chlorotoluene	10.66	91	87776	20.385	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	104143	20.705	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	15372m	19.884	ug/l	
82) 4-Chlorotoluene	10.77	91	97094	19.665	ug/l	100
83) tert-Butylbenzene	11.10	119	98085	19.785	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	103980	20.705	ug/l	99
85) sec-Butylbenzene	11.32	105	125049	20.856	ug/l	99
86) p-Isopropyltoluene	11.48	119	103960	20.348	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	55756	19.366	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	56220	18.917	ug/l	99
89) n-Butylbenzene	11.89	91	92250	20.230	ug/l	99
90) Hexachloroethane	12.14	117	16618	19.335	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	56546	19.499	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10240	22.054	ug/l	96

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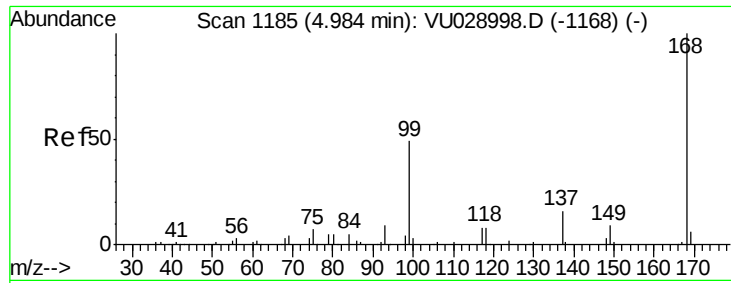
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35001	18.907	ug/l	99
94) Hexachlorobutadiene	13.69	225	17864	21.098	ug/l	98
95) Naphthalene	13.74	128	112265	17.827	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	36712	19.741	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion:168 Resp: 111676

Ion Ratio Lower Upper

168 100

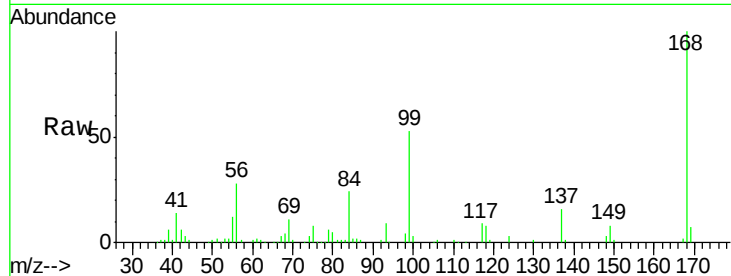
99 52.6 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

50000

40000

30000

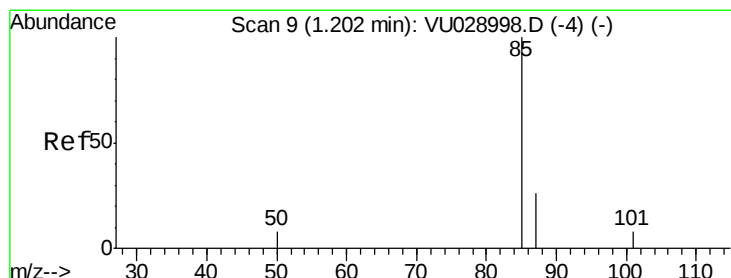
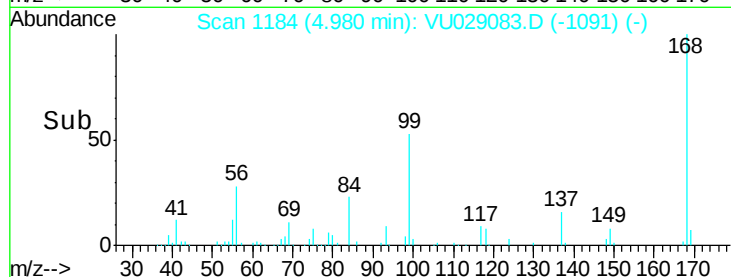
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.902 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029083.D

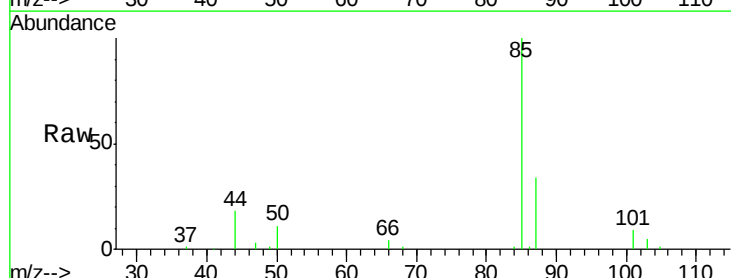
Acq: 09 Jan 2019 10:26

Tgt Ion: 85 Resp: 22042

Ion Ratio Lower Upper

85 100

87 33.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VU028998.D (-4) (-)

1.21

25000

20000

15000

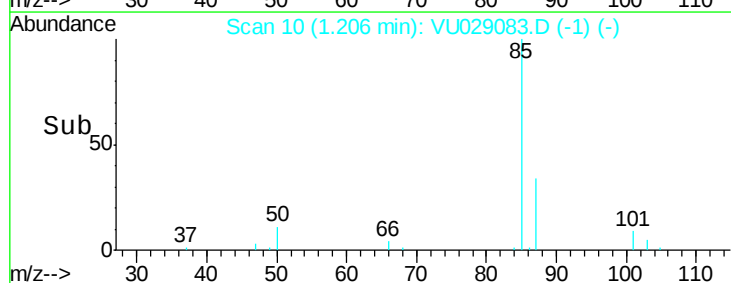
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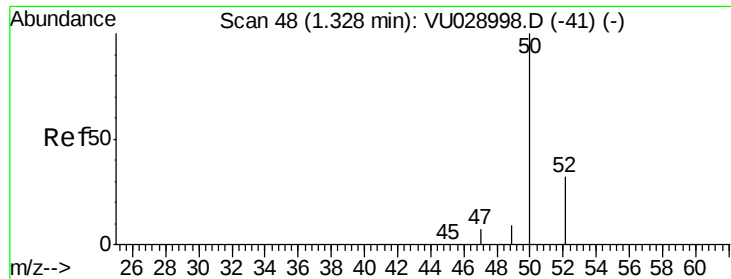
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.826 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion: 50 Resp: 35792

Ion Ratio Lower Upper

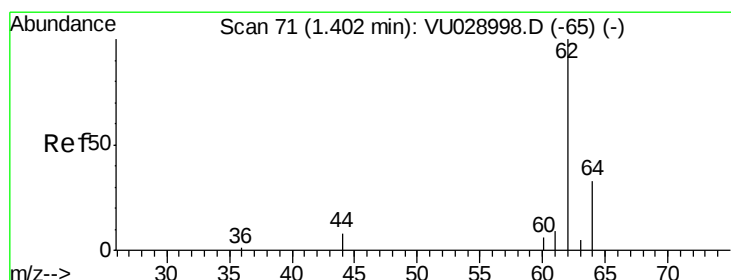
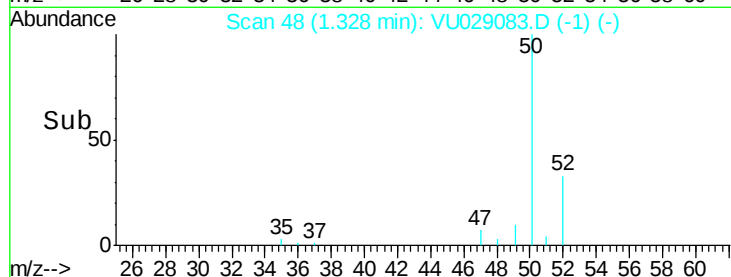
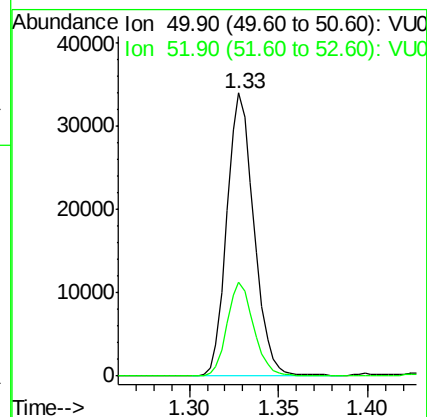
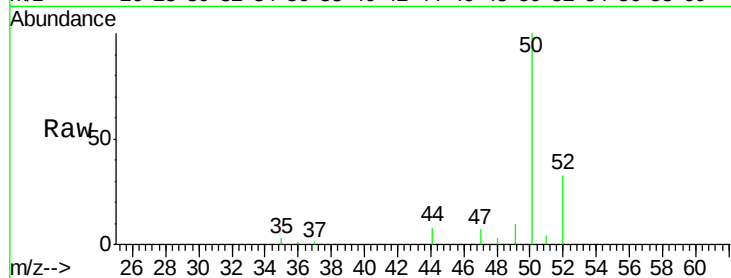
50 100

52 33.1 26.1 39.1

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#4

Vinyl Chloride

Concen: 20.254 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029083.D

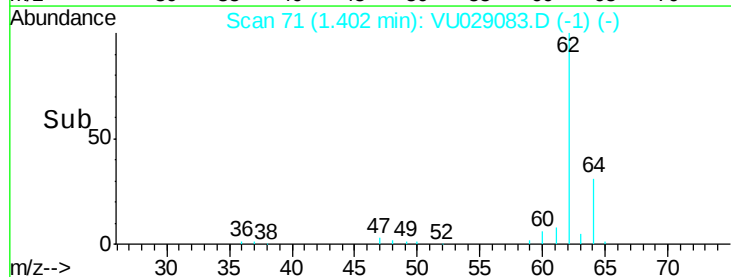
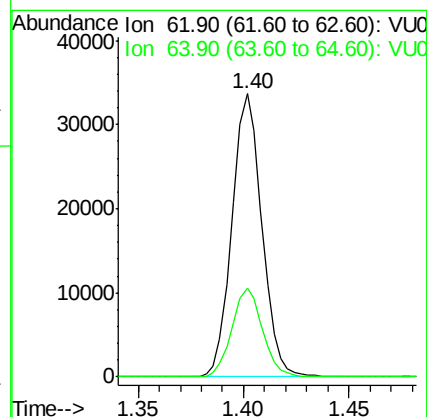
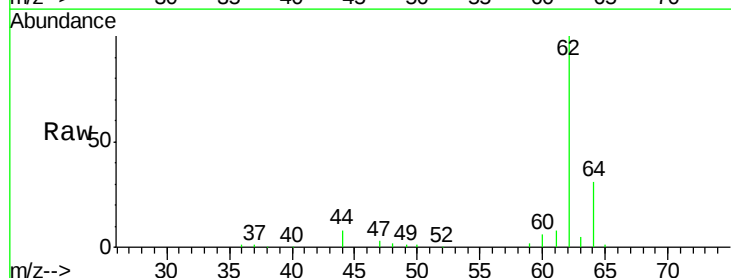
Acq: 09 Jan 2019 10:26

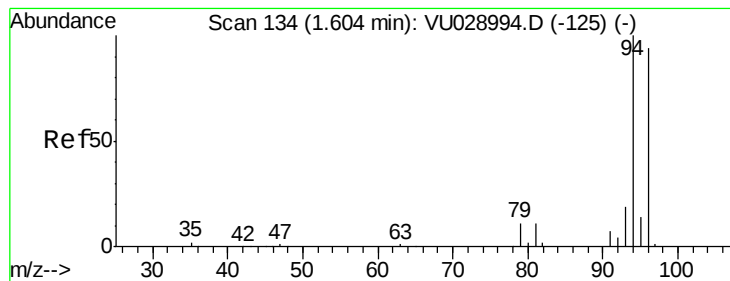
Tgt Ion: 62 Resp: 33056

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 21.748 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion: 94 Resp: 19689

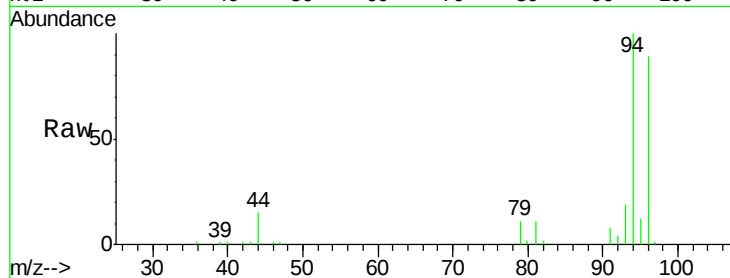
Ion Ratio Lower Upper

94 100

96 88.9 75.5 113.3

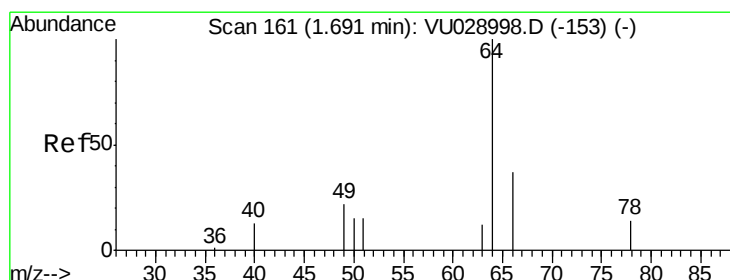
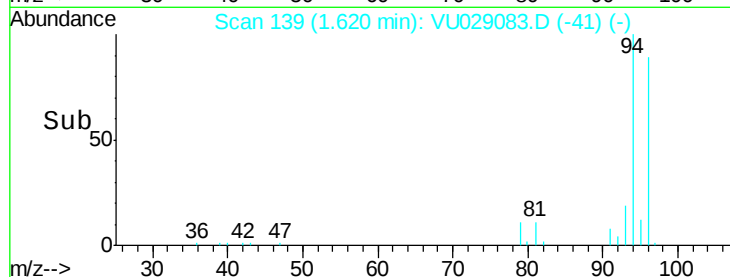
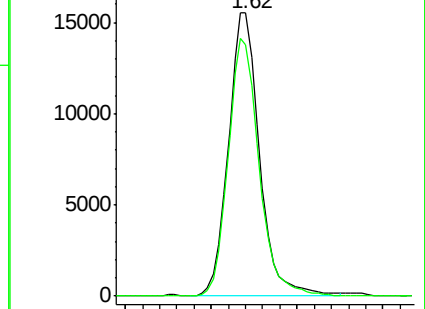
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Abundance Ion 93.90 (93.60 to 94.60): VU028994.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028994.D (-125) (-)



#6

Chloroethane

Concen: 20.655 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029083.D

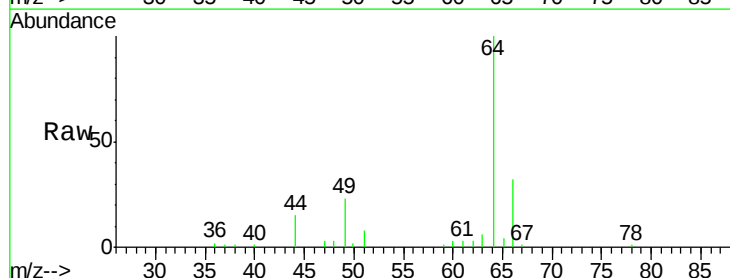
Acq: 09 Jan 2019 10:26

Tgt Ion: 64 Resp: 20080

Ion Ratio Lower Upper

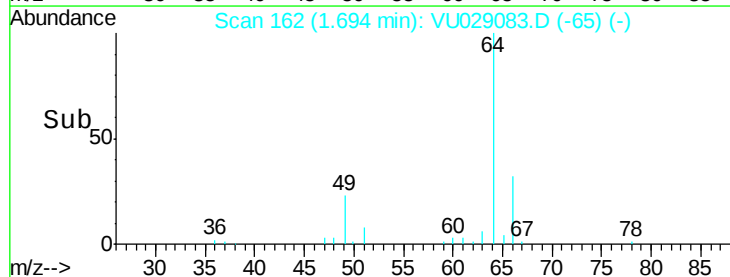
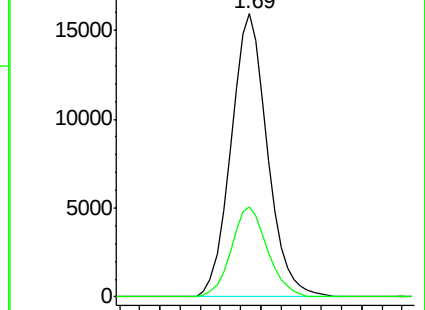
64 100

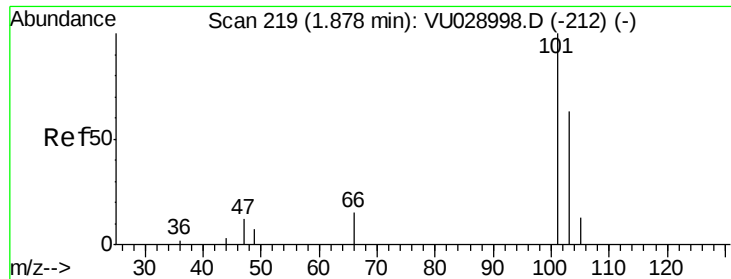
66 31.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU028998.D (-153) (-)

Ion 65.90 (65.60 to 66.60): VU028998.D (-153) (-)





#7

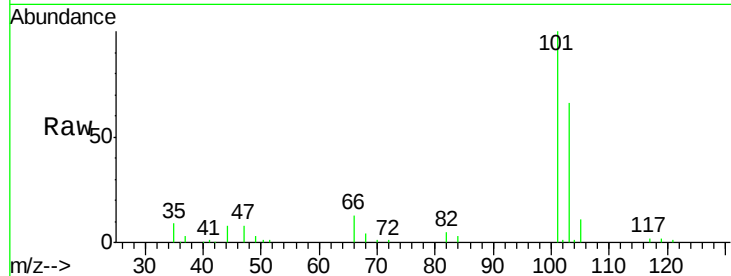
Trichlorofluoromethane
Concen: 19.824 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
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VU0109WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.5	77.3

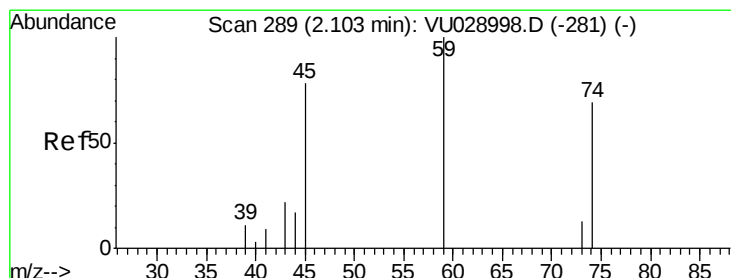
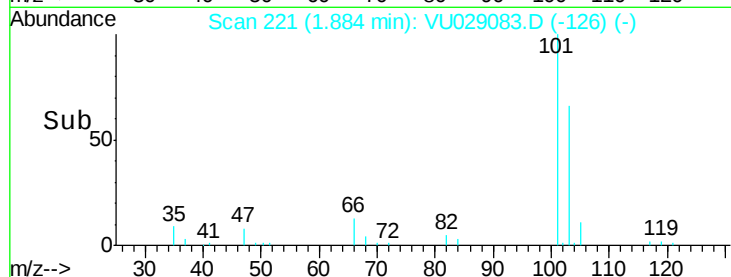
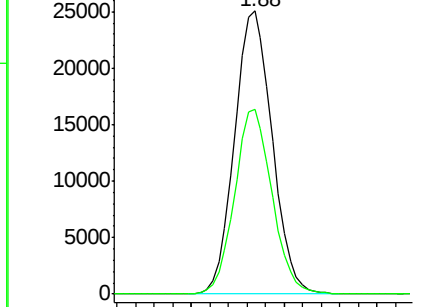
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Abundance Ion 100.90 (100.60 to 101.60): V

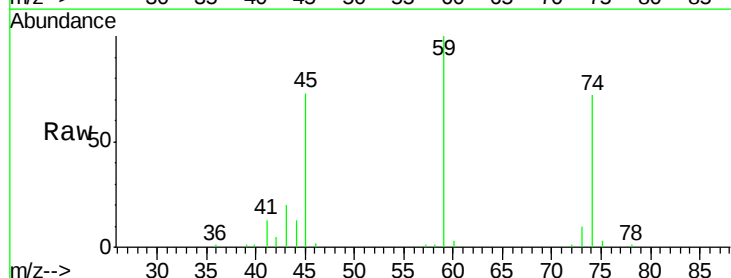
Ion 102.80 (102.50 to 103.50): V



#8

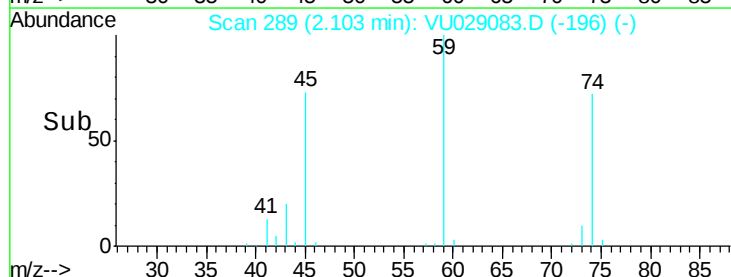
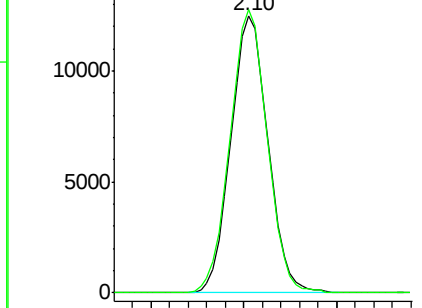
Diethyl Ether
Concen: 20.296 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029083.D
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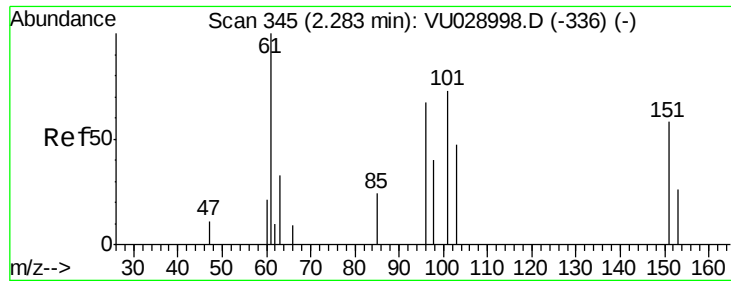
Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	46.9	140.6



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.440 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU029083.D

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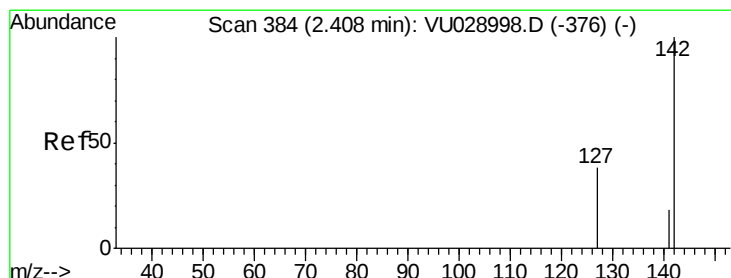
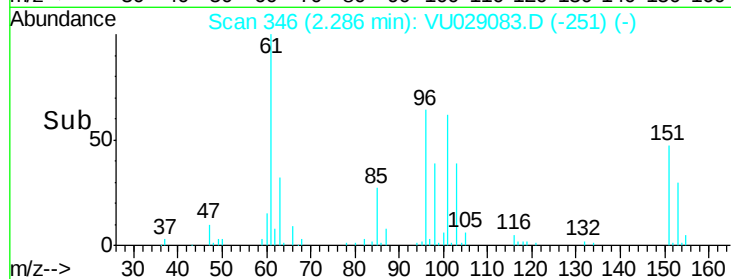
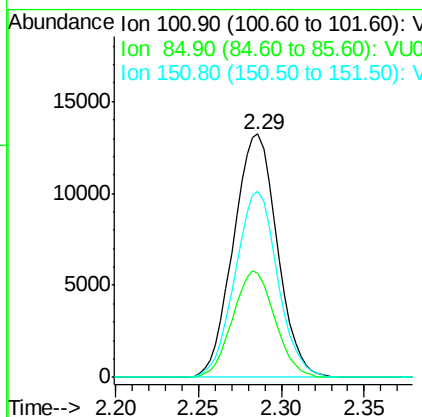
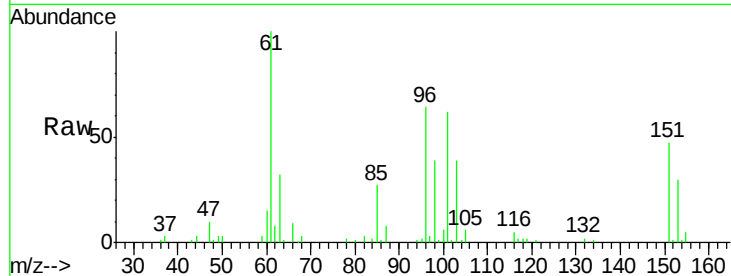
ClientSampleId :

VU0109WBS01

Tot Ion:	101	Resp:	24322
Ion Ratio	Lower	Upper	
101	100		
85	42.0	35.1	52.7
151	74.2	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.601 ug/l

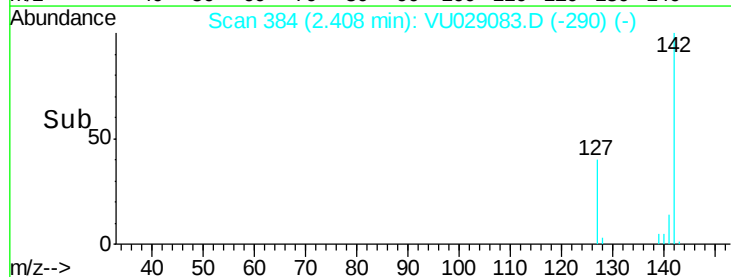
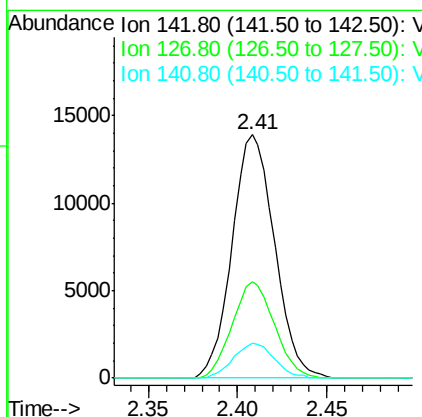
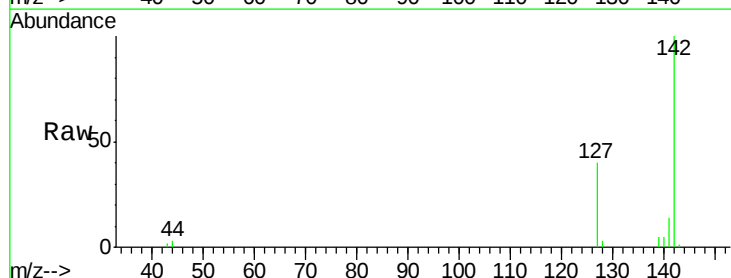
RT: 2.41 min Scan# 384

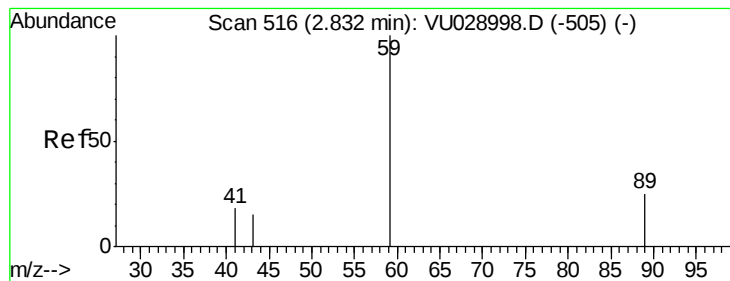
Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Tgt Ion:	142	Resp:	23050
Ion Ratio	Lower	Upper	
142	100		
127	39.4	29.8	44.6
141	13.7	11.5	17.3





#11

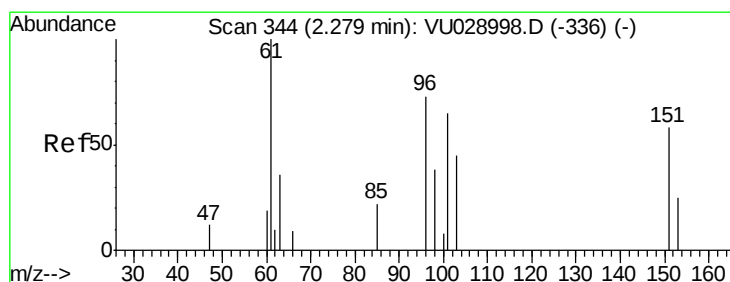
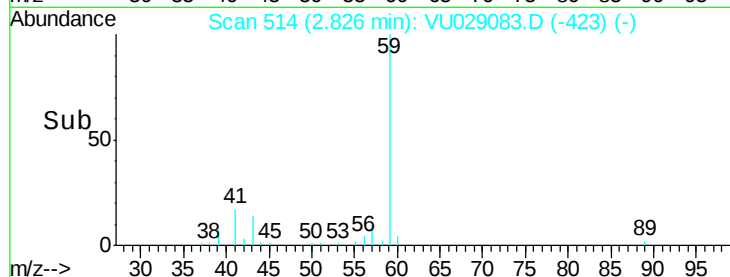
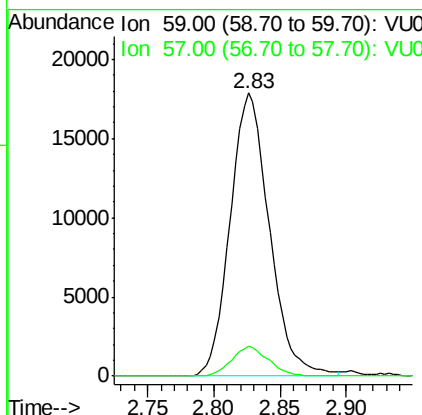
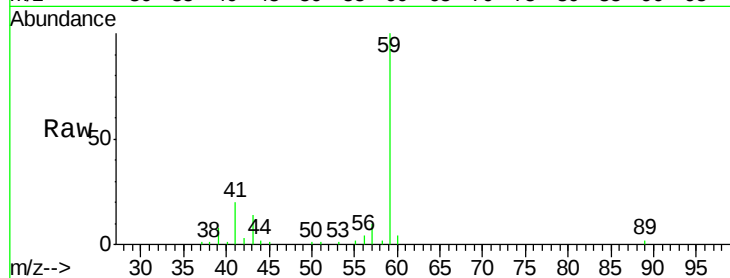
Tert butyl alcohol
 Concen: 104.796 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

Manual Integrations
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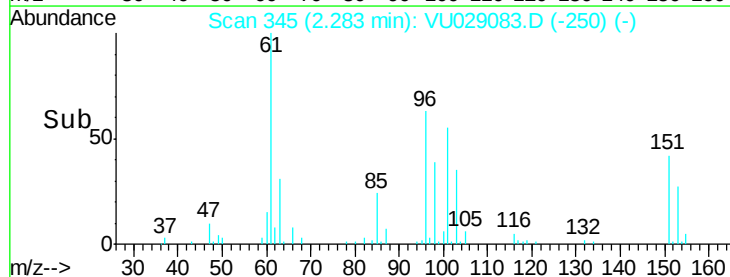
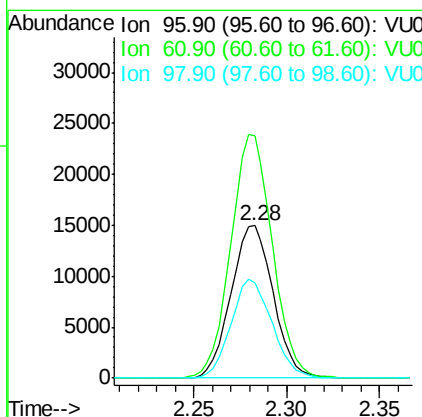
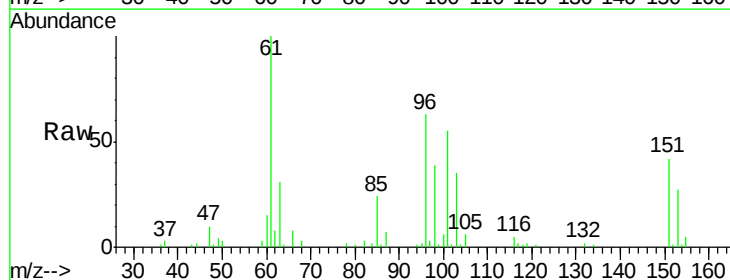
MMDadoda
 1/10/2019 9:38:31 AM

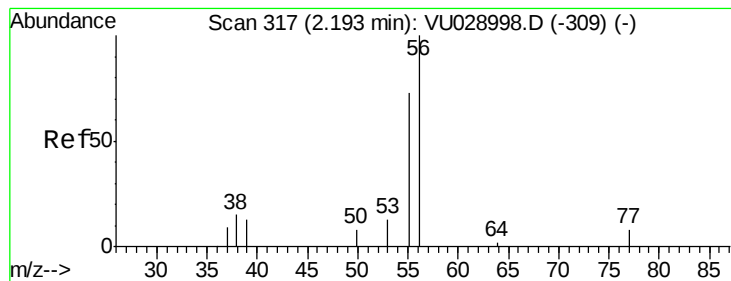


#12

1,1-Dichloroethene
 Concen: 20.376 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	125.4	188.0
98	62.9	49.7	74.5





#13

Acrolein

Concen: 98.616 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion: 56 Resp: 25985

Ion Ratio Lower Upper

56 100

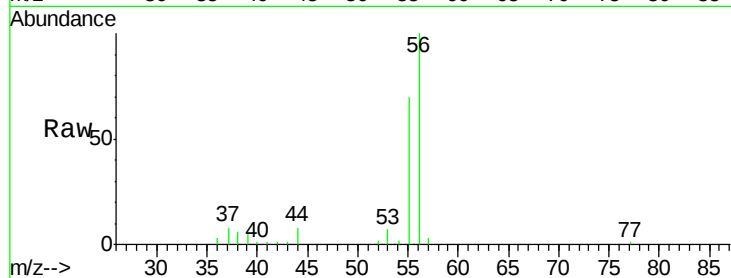
55 71.9 56.5 84.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

20000

15000

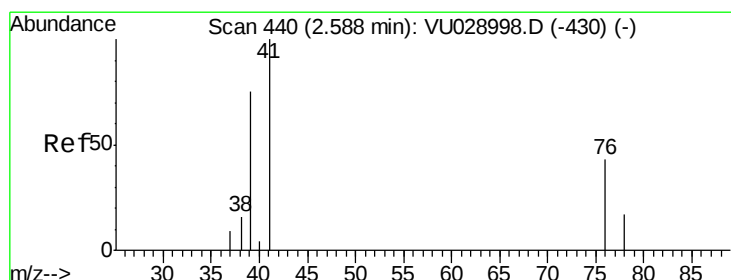
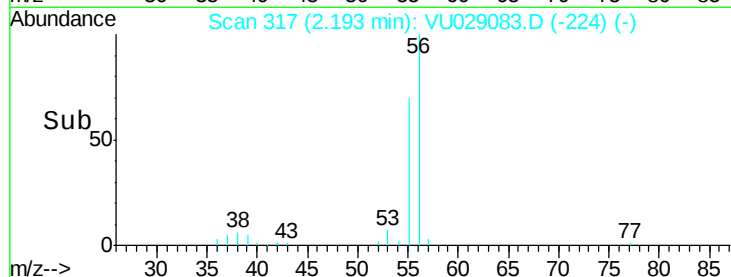
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Allyl chloride

Concen: 19.321 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

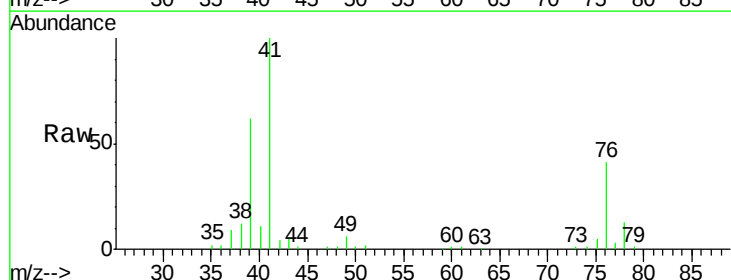
Tgt Ion: 41 Resp: 41061

Ion Ratio Lower Upper

41 100

39 63.4 45.0 67.6

76 38.2 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

30000

25000

20000

15000

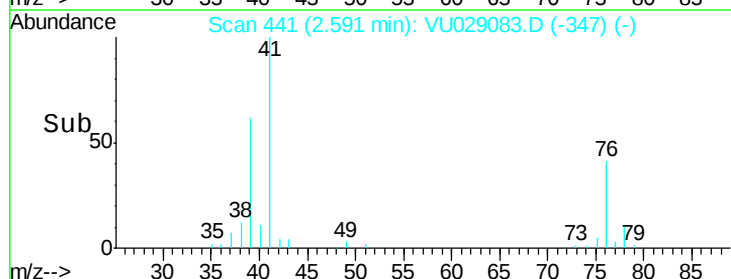
10000

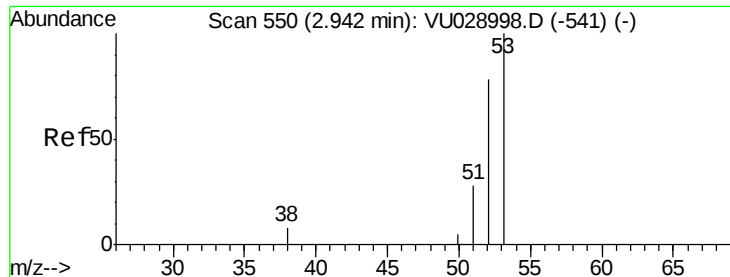
5000

0

2.55 2.60 2.65

Time-->





#15

Acrylonitrile

Concen: 110.135 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

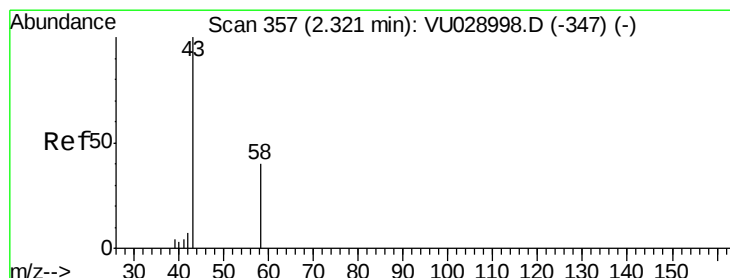
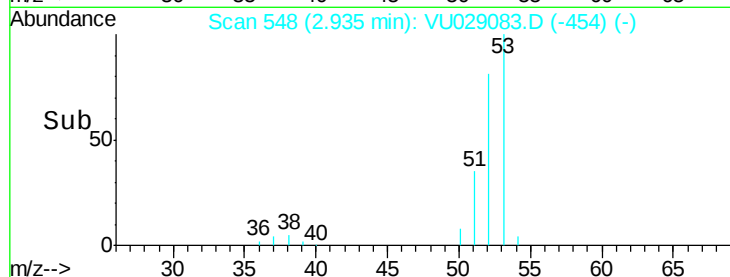
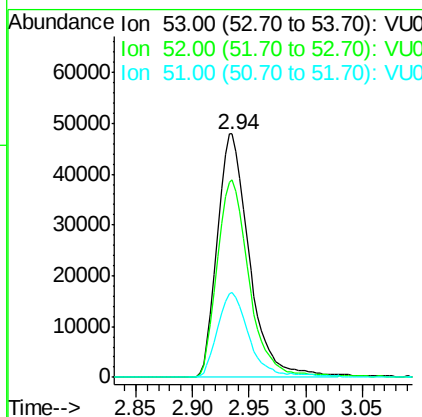
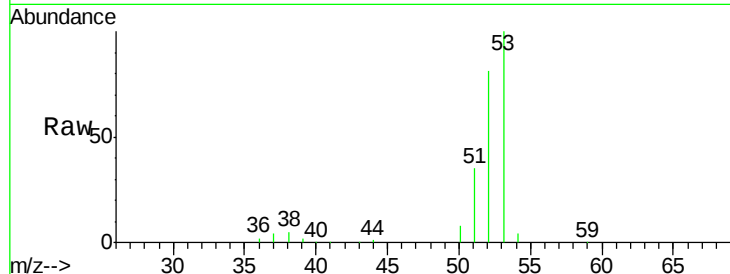
ClientSampleId :

VU0109WBS01

Tot Ion:	53	Resp:	94816
Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.8	97.2
51	34.8	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 101.339 ug/l

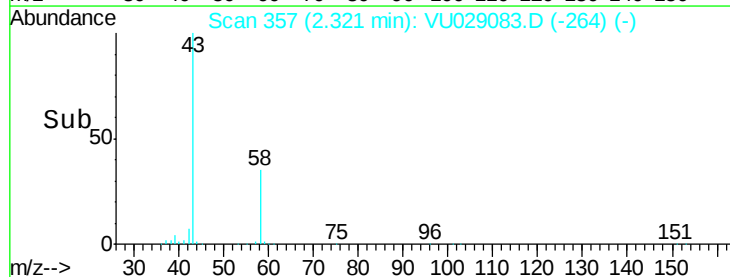
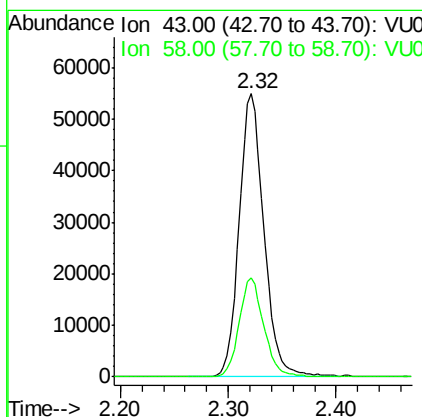
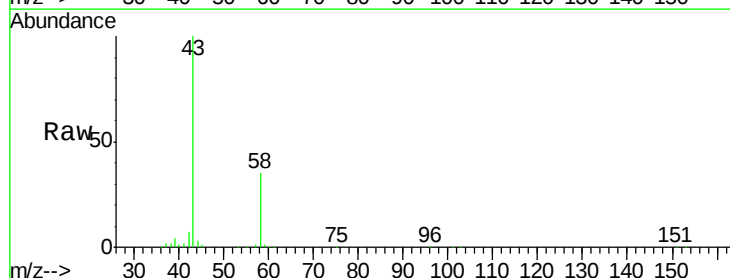
RT: 2.32 min Scan# 357

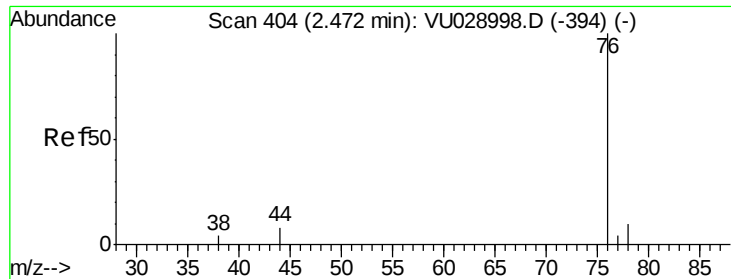
Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Tgt Ion:	43	Resp:	88133
Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.6	42.8





#17

Carbon Disulfide

Concen: 19.024 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampled :

VU0109WBS01

Tot Ion: 76 Resp: 74289

Ion Ratio Lower Upper

76 100

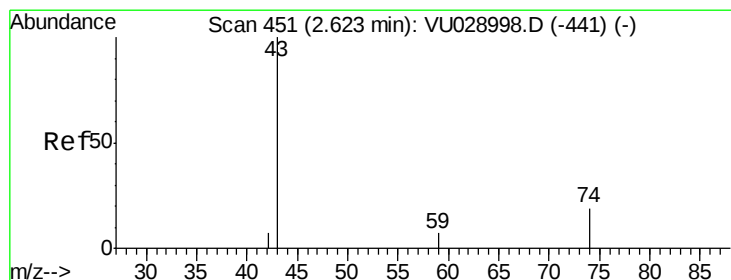
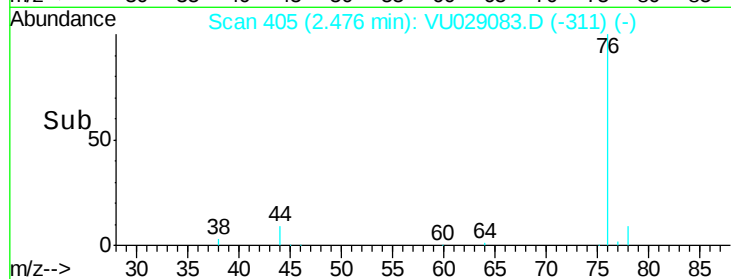
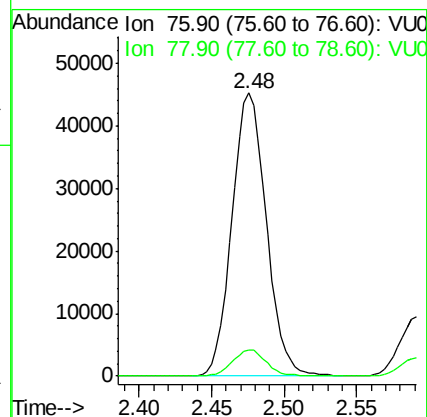
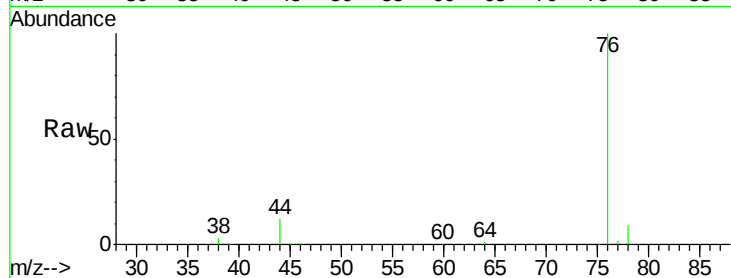
78 9.3 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 22.896 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029083.D

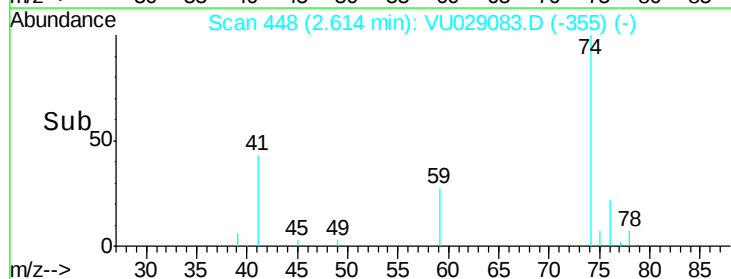
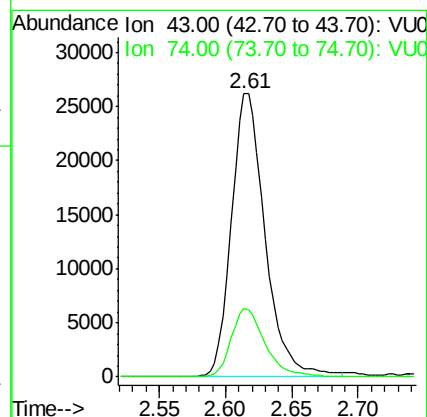
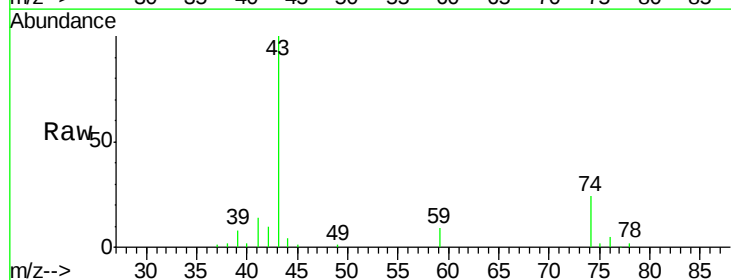
Acq: 09 Jan 2019 10:26

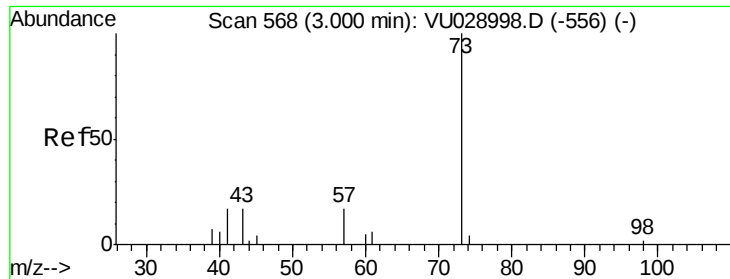
Tgt Ion: 43 Resp: 46300

Ion Ratio Lower Upper

43 100

74 24.1 19.5 29.3





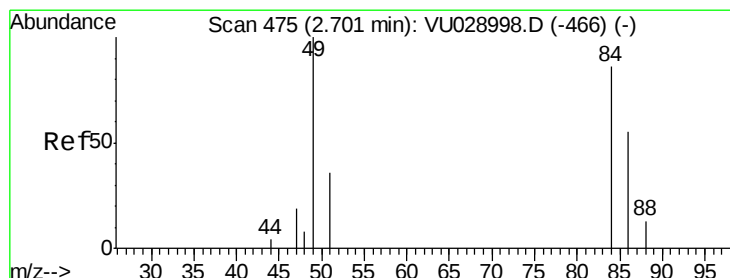
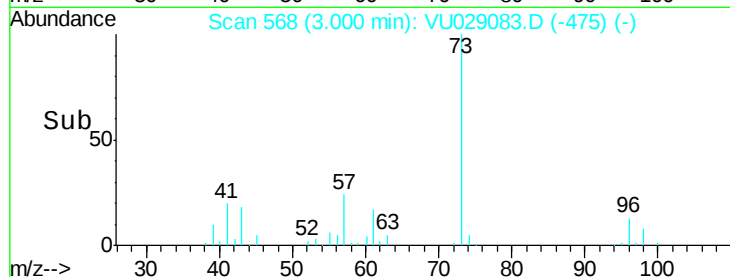
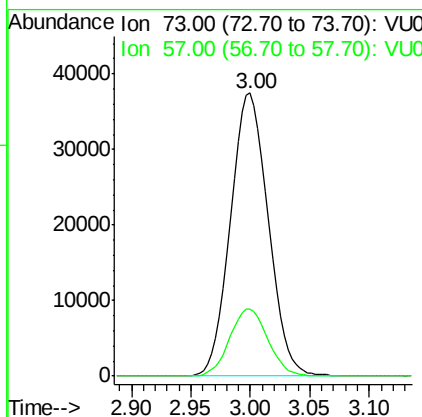
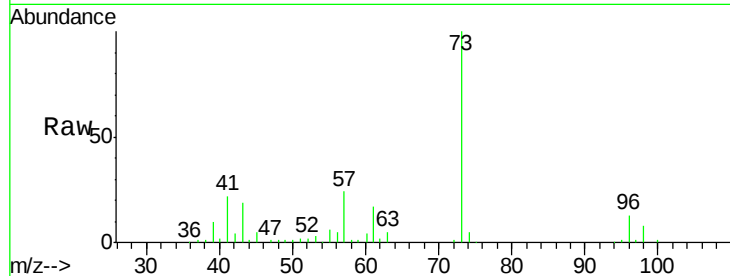
#19
Methvl tert-butvl Ether
Concen: 20.230 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion: 73 Resp: 82376
Ion Ratio Lower Upper
73 100
57 23.9 18.6 28.0

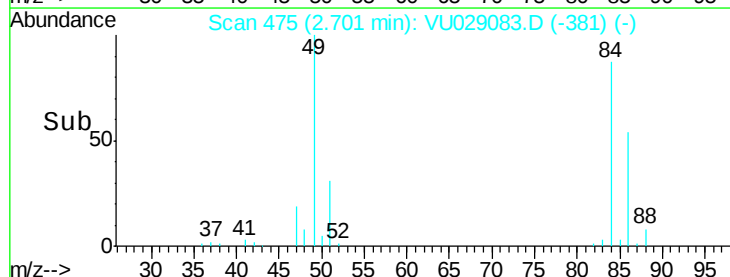
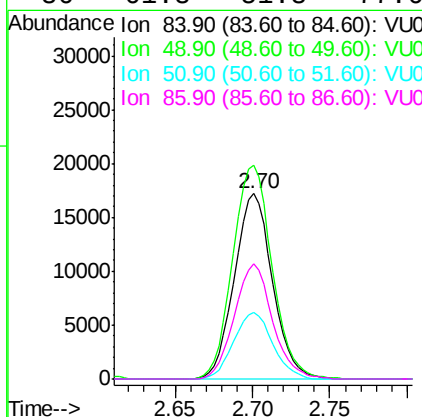
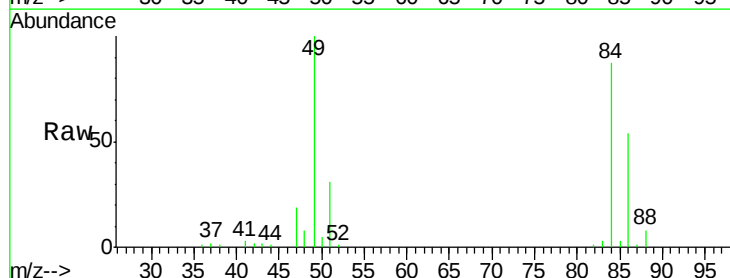
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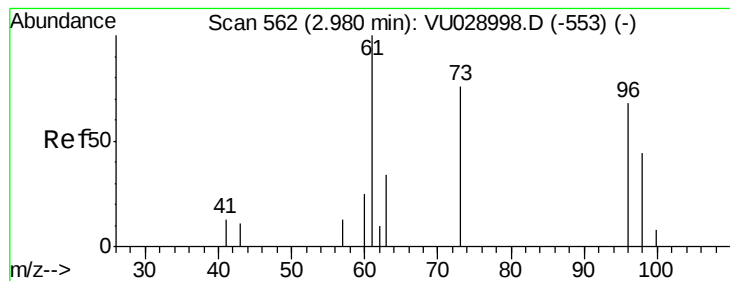
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#20
Methylene Chloride
Concen: 19.968 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion: 84 Resp: 29485
Ion Ratio Lower Upper
84 100
49 115.1 91.9 137.9
51 35.8 29.2 43.8
86 61.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.645 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion: 96 Resp: 26435

Ion Ratio Lower Upper

96 100

61 142.1 107.7 161.5

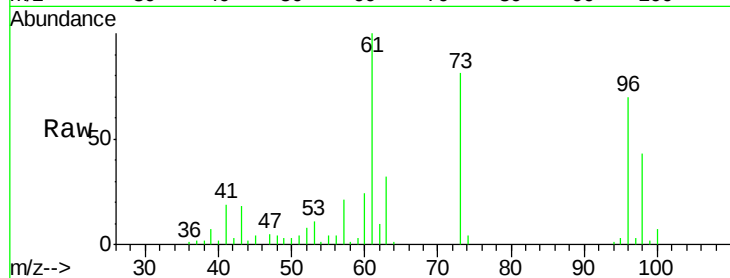
98 61.8 49.2 73.8

Manual Integrations

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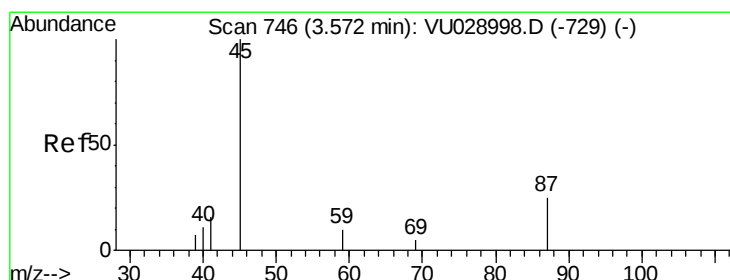
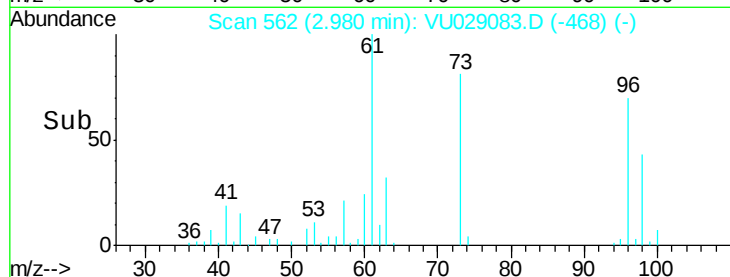


Abundance Ion 95.90 (95.60 to 96.60): VU028998.D (-553) (-)

Ion 60.90 (60.60 to 61.60): VU028998.D (-553) (-)

Ion 97.90 (97.60 to 98.60): VU028998.D (-553) (-)

Time-->



#22

Diisopropyl ether

Concen: 21.487 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Tgt Ion: 45 Resp: 90249

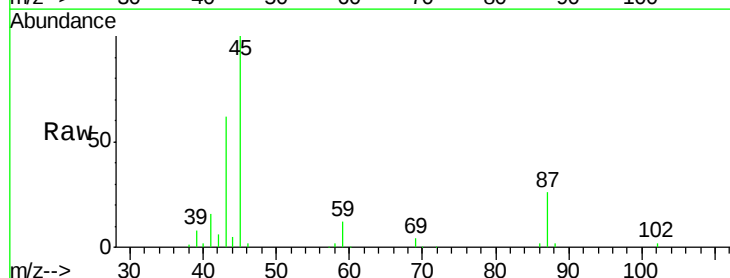
Ion Ratio Lower Upper

45 100

43 59.8 44.7 67.1

87 26.2 22.2 33.2

59 11.7 9.8 14.8



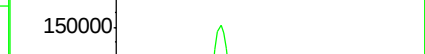
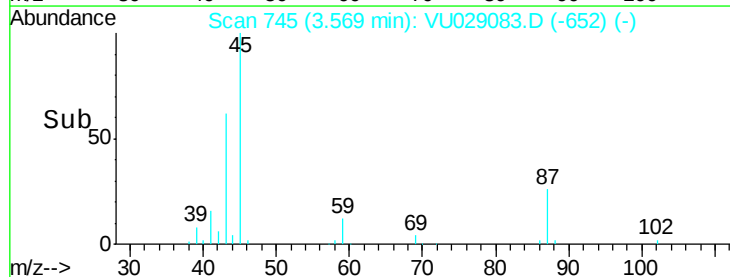
Abundance Ion 45.00 (44.70 to 45.70): VU028998.D (-729) (-)

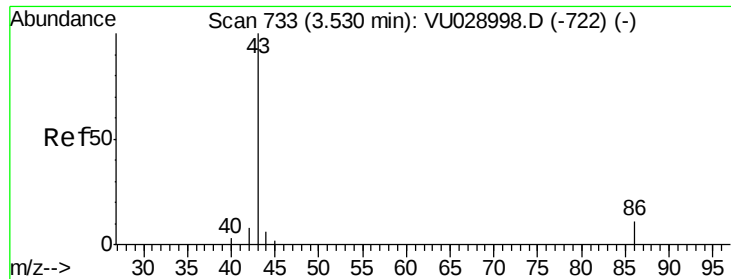
Ion 43.00 (42.70 to 43.70): VU028998.D (-729) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-729) (-)

Ion 59.00 (58.70 to 59.70): VU028998.D (-729) (-)

Time-->





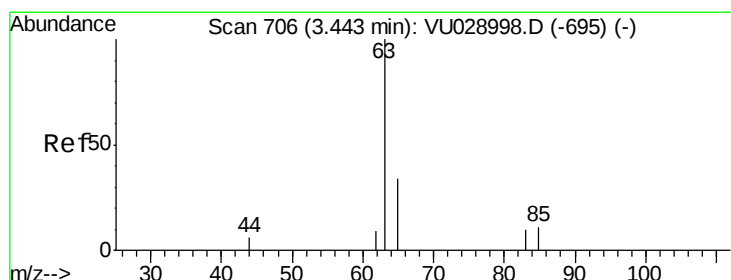
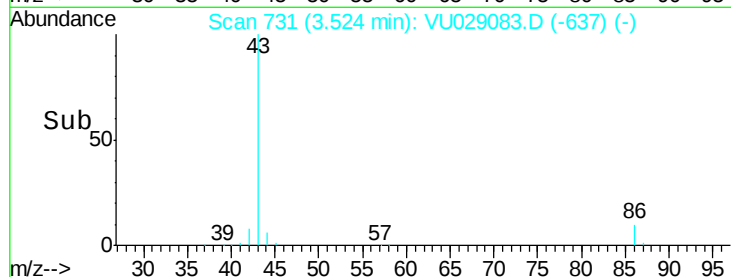
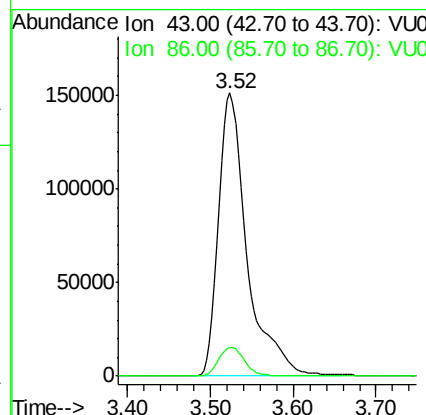
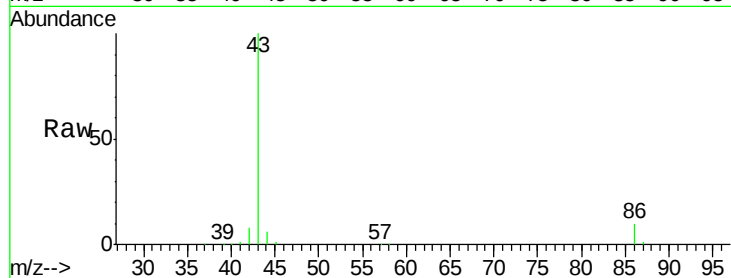
#23
 Vinyl Acetate
 Concen: 105.943 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

Tot Ion: 43 Resp: 363770
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.6 13.0

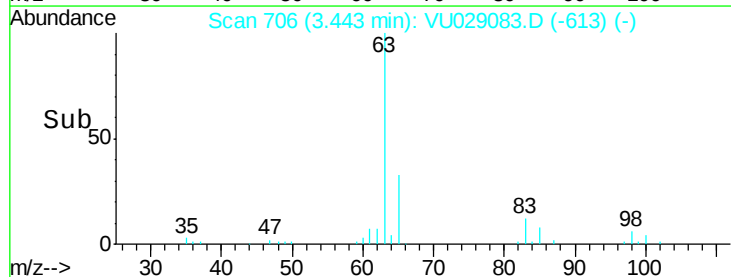
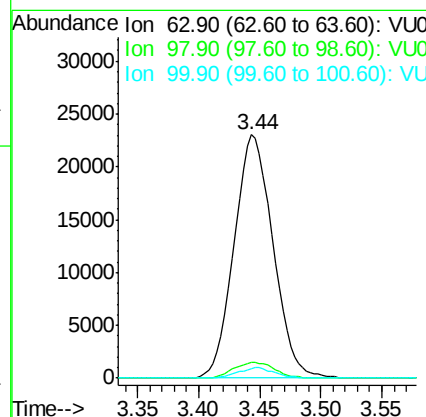
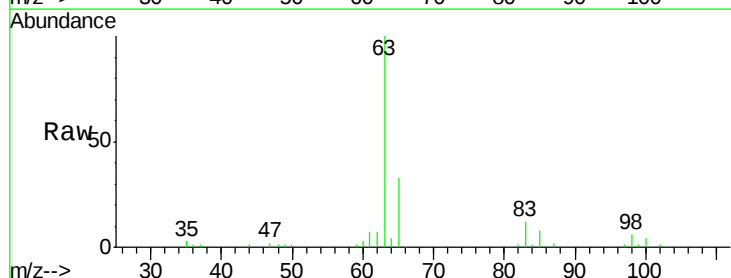
Manual Integrations
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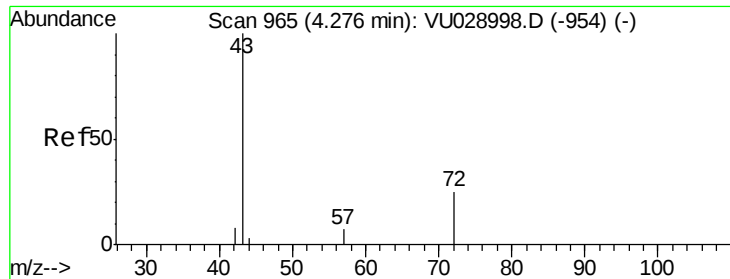
MMDadoda
 1/10/2019 9:38:31 AM



#24
 1,1-Dichloroethane
 Concen: 21.059 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Tgt Ion: 63 Resp: 51060
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.4 10.1
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 111.282 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion: 43 Resp: 130716

Ion Ratio Lower Upper

43 100

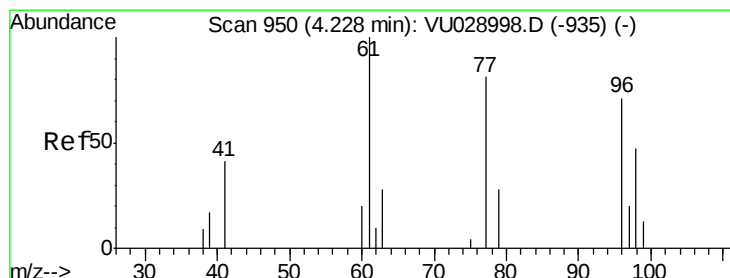
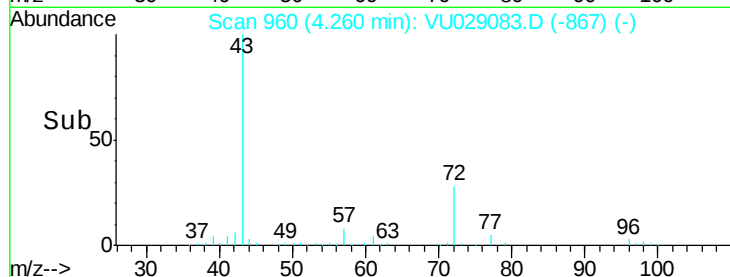
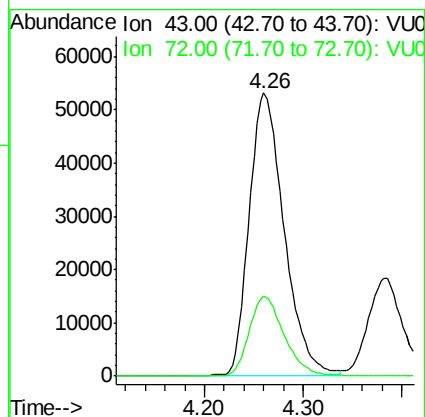
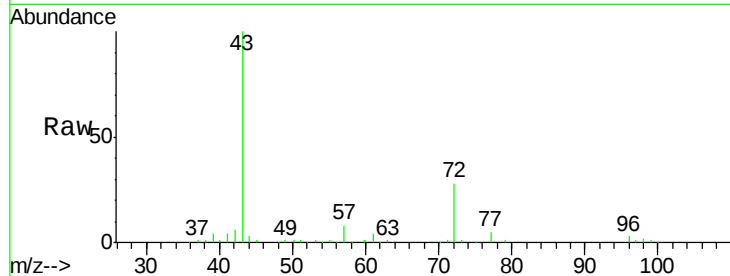
72 28.3 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.963 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU029083.D

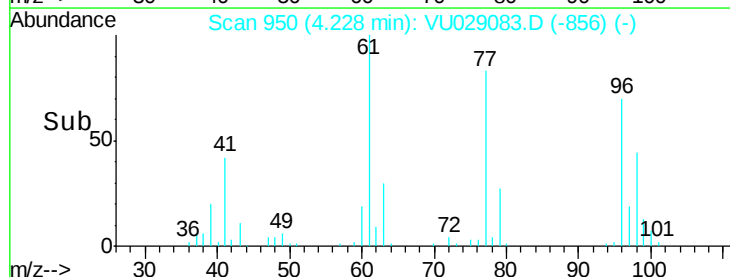
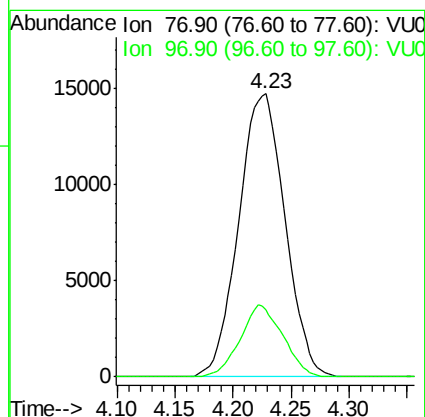
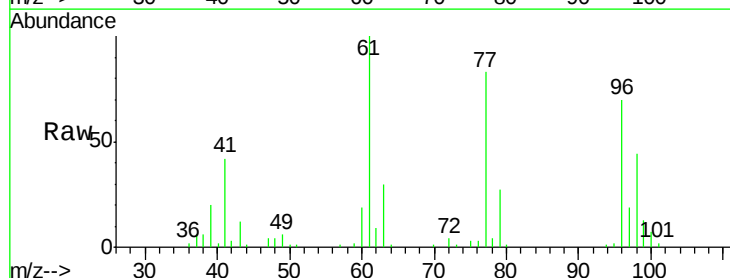
Acq: 09 Jan 2019 10:26

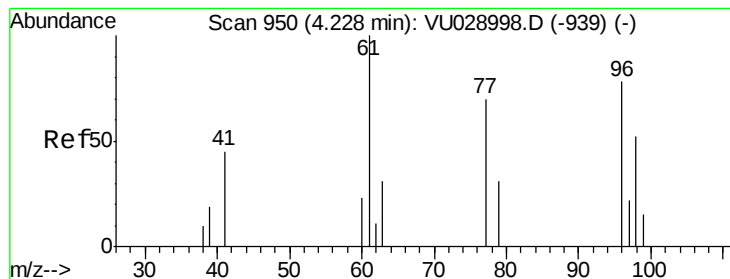
Tgt Ion: 77 Resp: 41069

Ion Ratio Lower Upper

77 100

97 23.3 12.0 36.1





#27

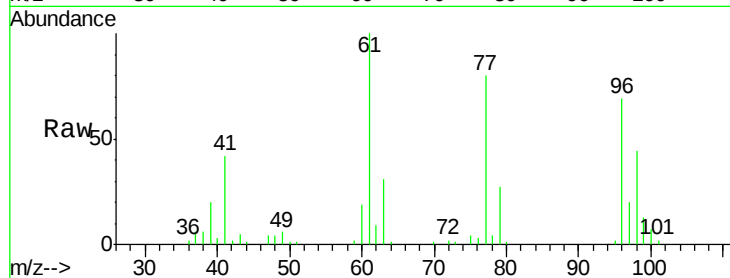
cis-1,2-Dichloroethene
Concen: 20.505 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	285.6
98	64.2	0.0	130.2

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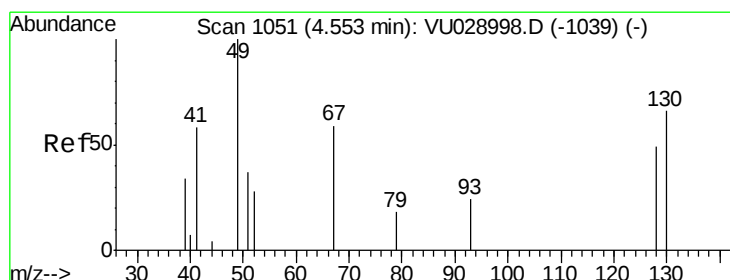
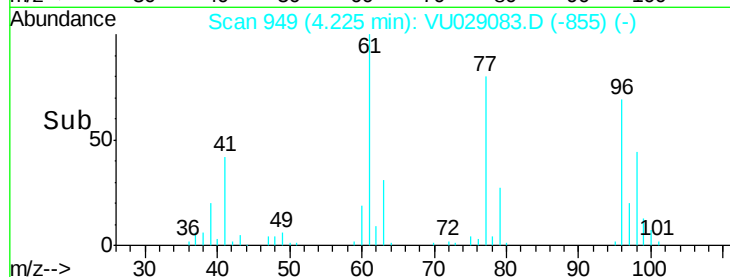
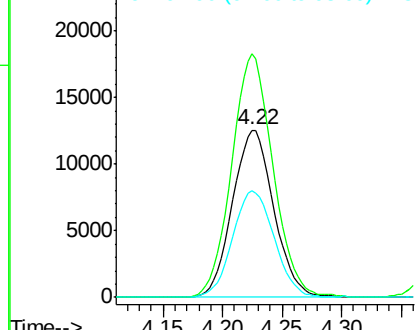


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

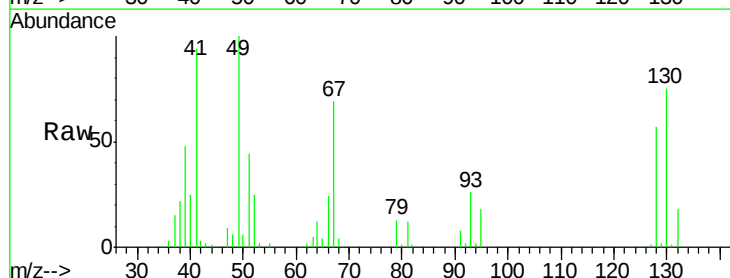
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 23.344 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	75.8	62.9	94.3

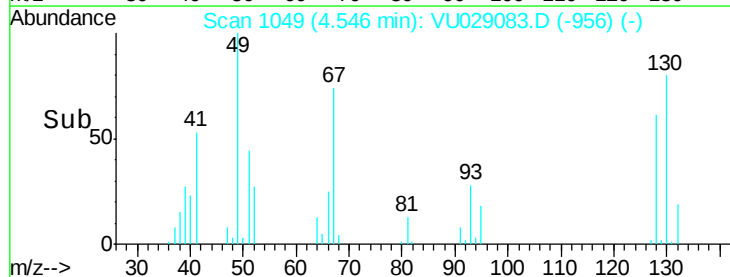
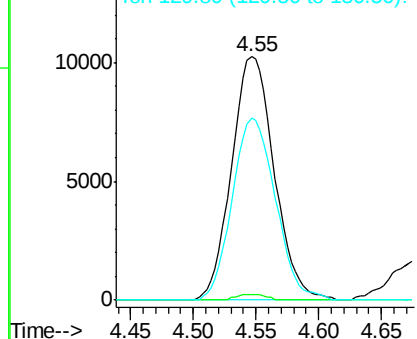


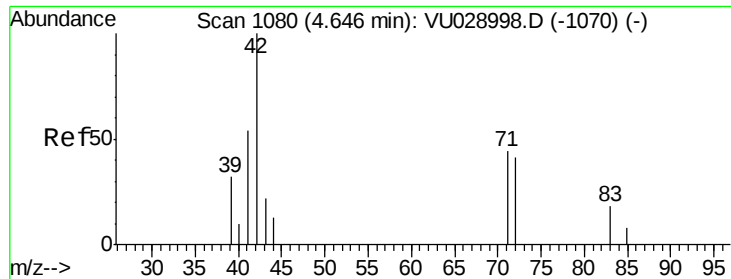
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





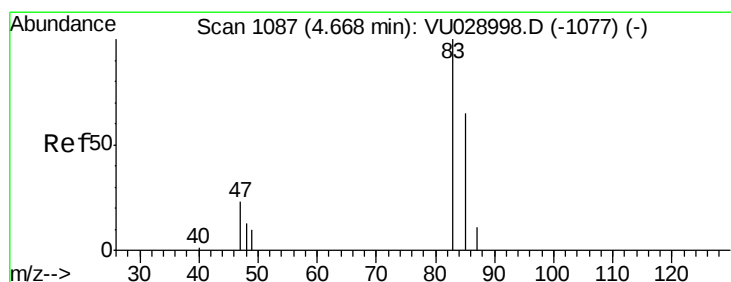
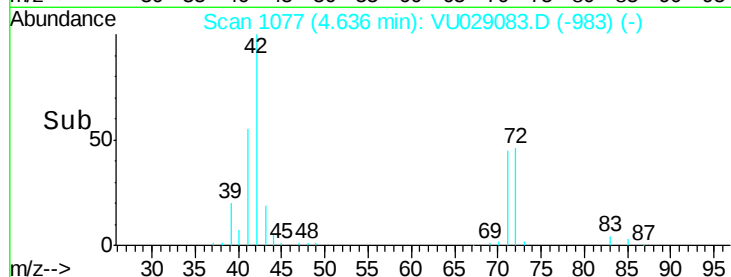
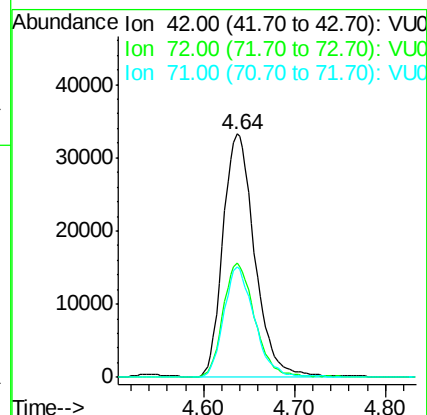
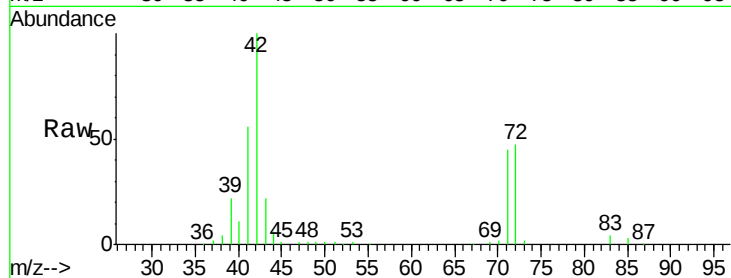
#29
Tetrahydrofuran
Concen: 113.618 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	38.3	57.5
71	43.8	36.1	54.1

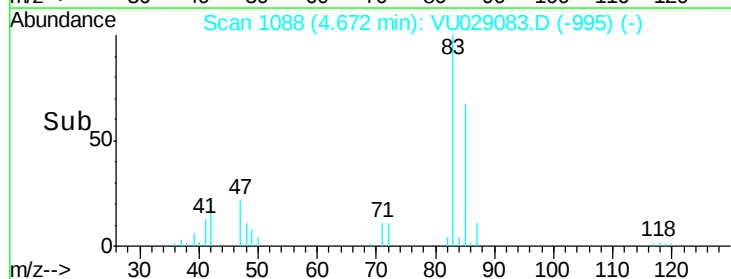
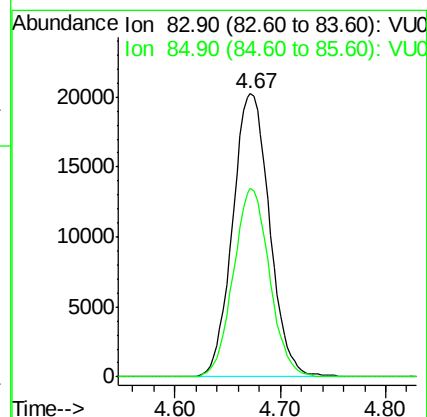
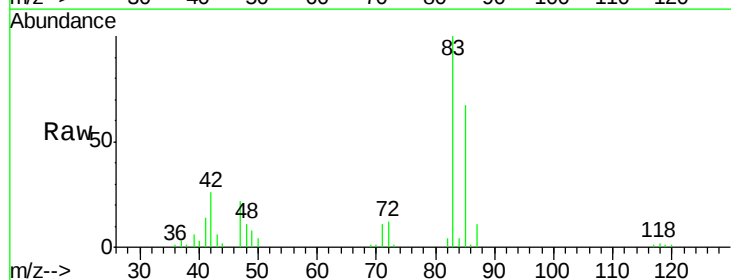
Manual Integrations
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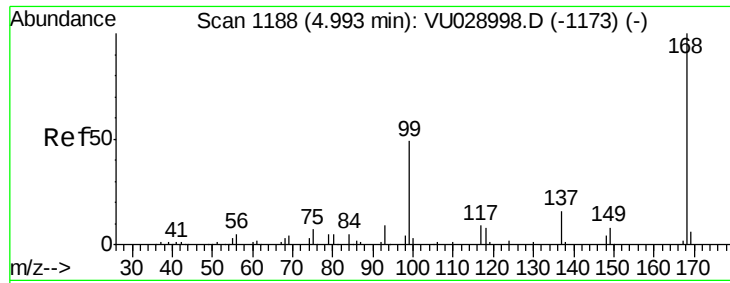
MMDadoda
1/10/2019 9:38:31 AM



#30
Chloroform
Concen: 21.283 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	53.4	80.0





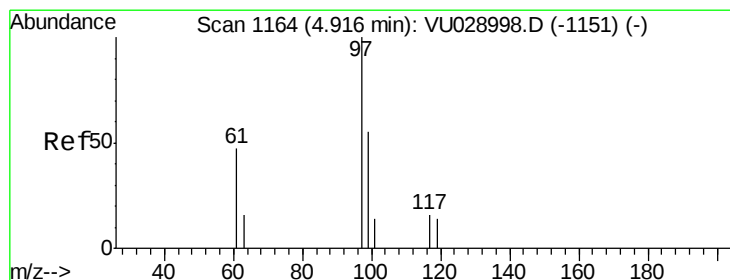
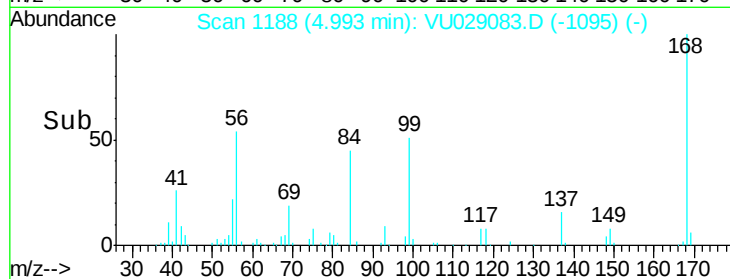
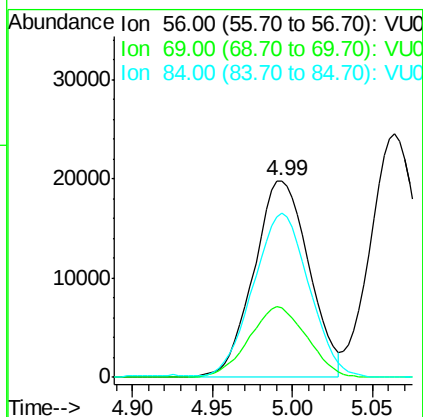
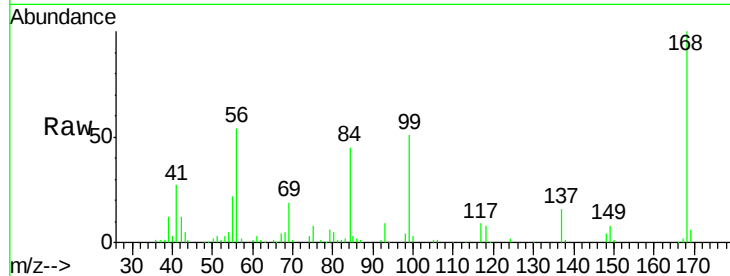
#31
Cyclohexane
Concen: 19.958 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	26.7	40.1
84	83.3	65.7	98.5

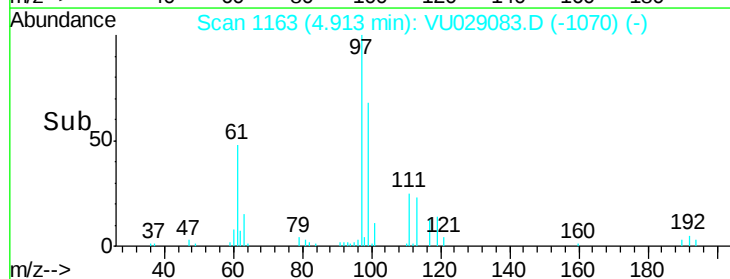
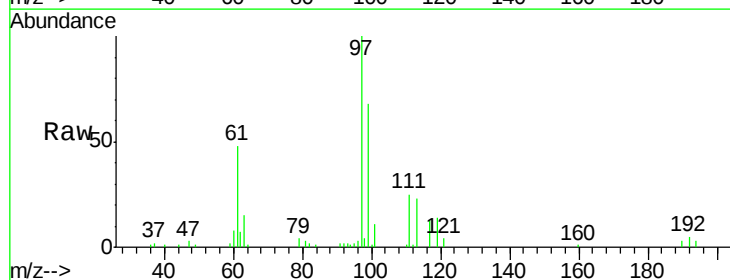
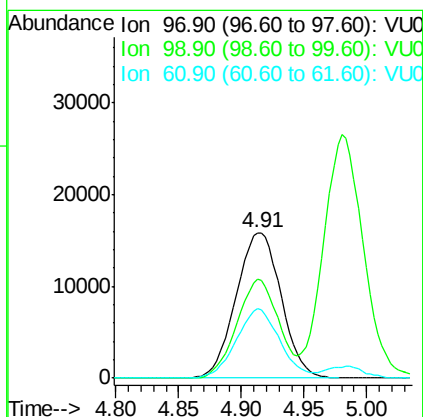
Manual Integrations
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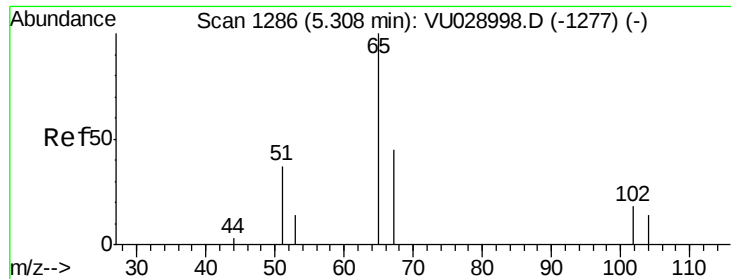
MMDadoda
1/10/2019 9:38:31 AM



#32
1,1,1-Trichloroethane
Concen: 20.732 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	46.1	34.4	51.6





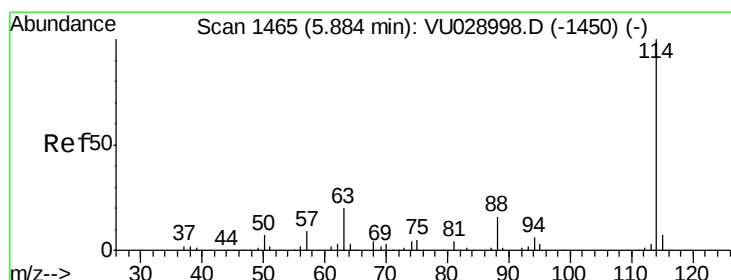
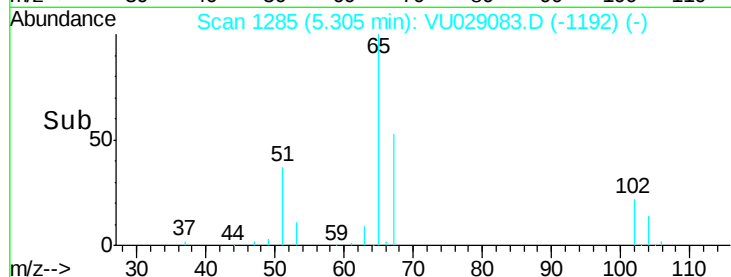
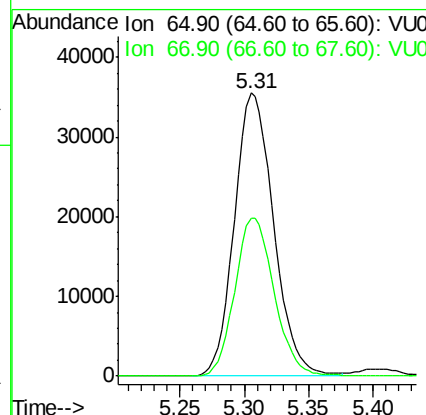
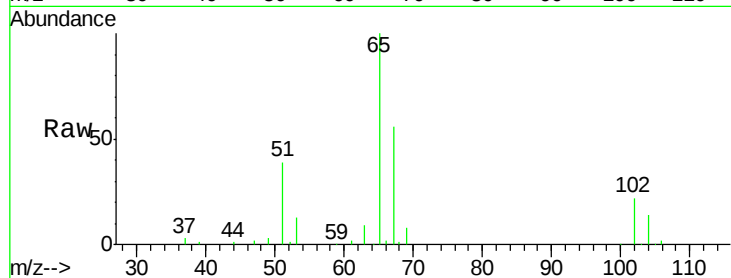
#33
 1,2-Dichloroethane-d4
 Concen: 54.464 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.9	0.0	111.0

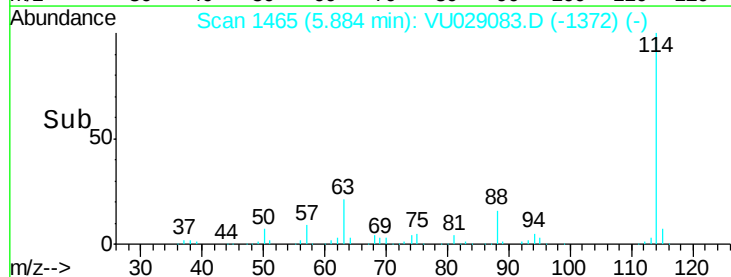
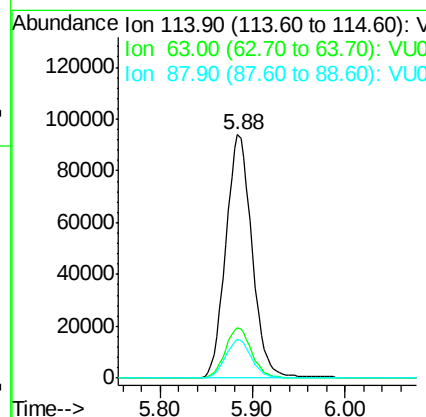
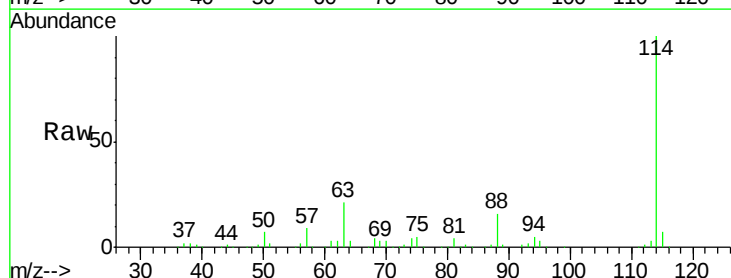
Manual Integrations
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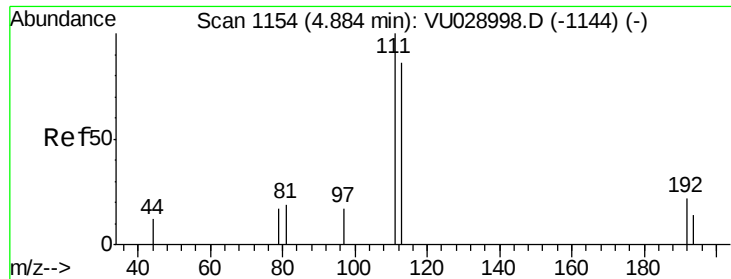
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.2
88	15.9	0.0	30.4





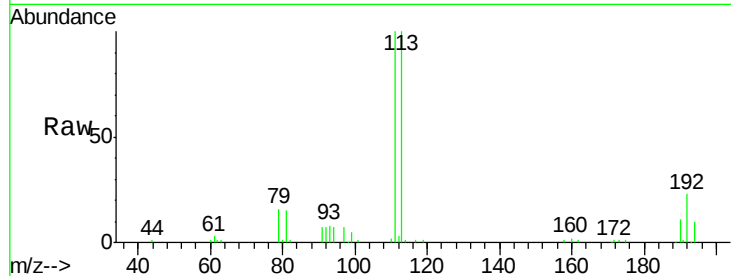
#35
 Dibromofluoromethane
 Concen: 52.789 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

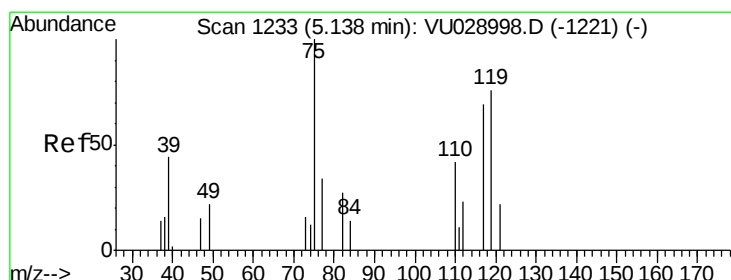
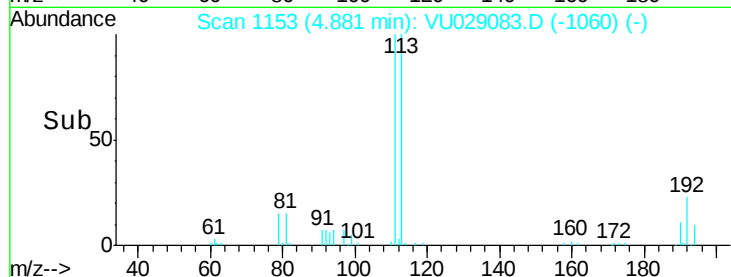
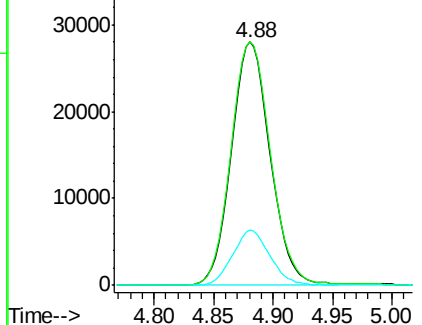
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	21.8	16.8	25.2

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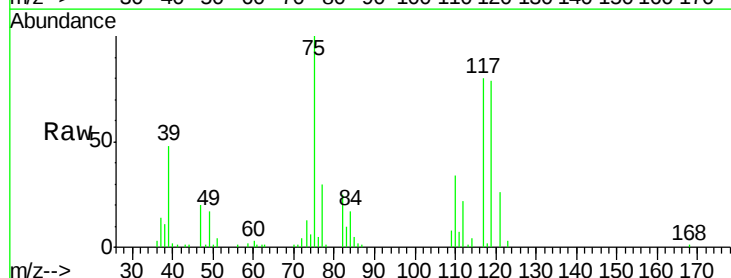


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

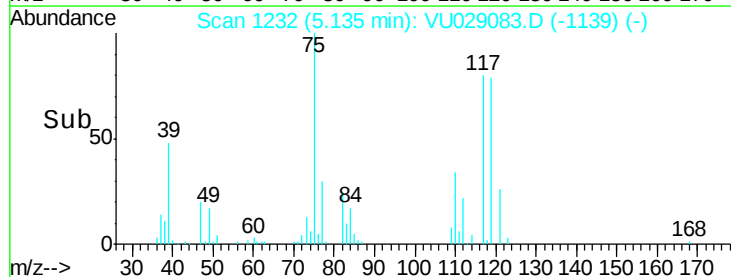
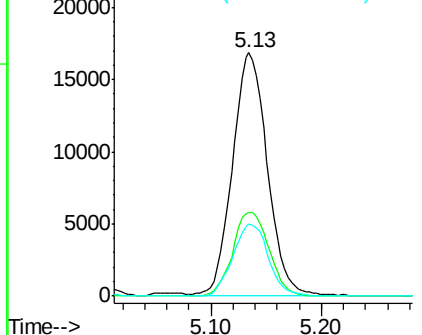


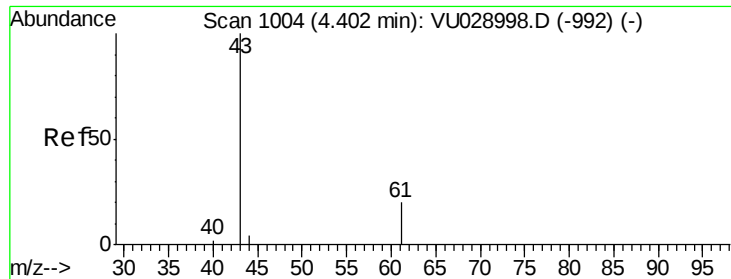
#36
 1,1-Dichloropropene
 Concen: 20.065 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.4	55.4
77	30.0	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





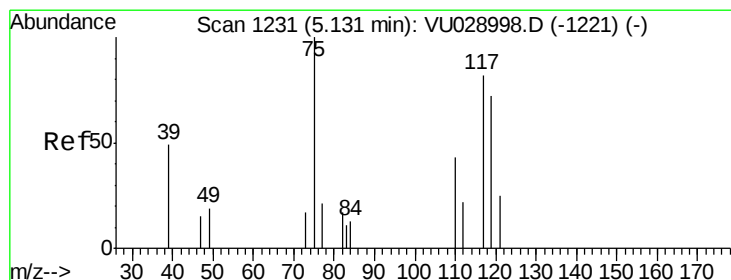
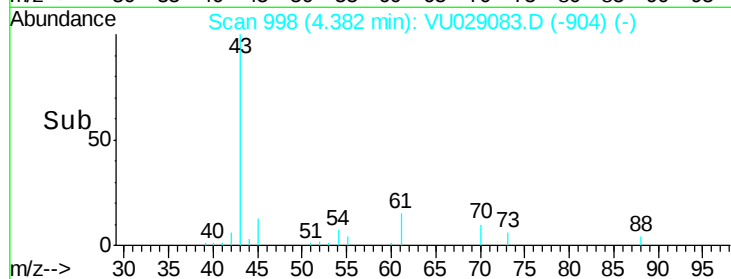
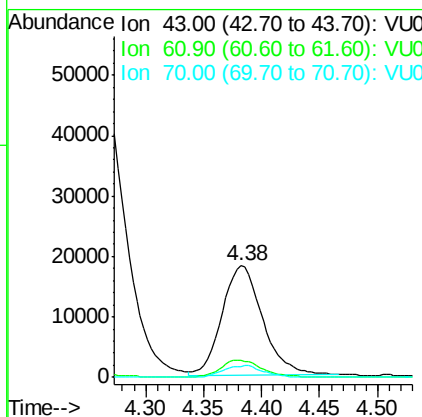
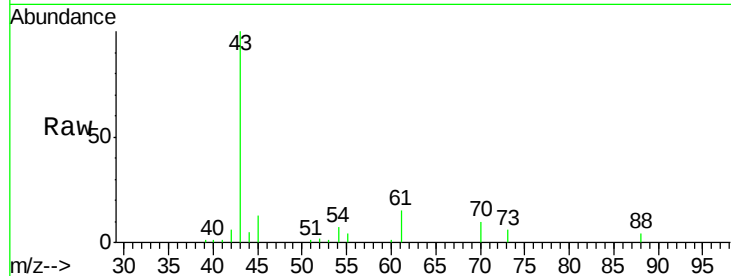
#37
Ethyl Acetate
Concen: 21.966 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampled :
VU0109WBS01

Tot Ion	43	61	70
Resp	44508		
Ratio	100	15.5	10.7
Lower		12.6	9.3
Upper		18.8	13.9

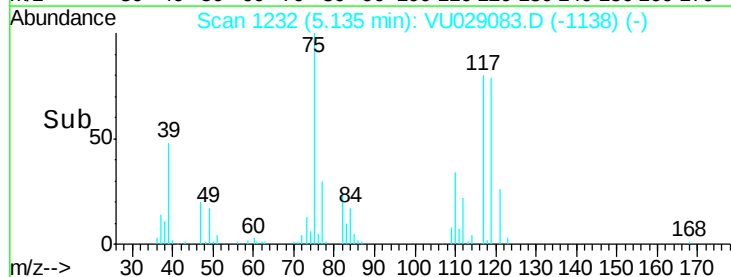
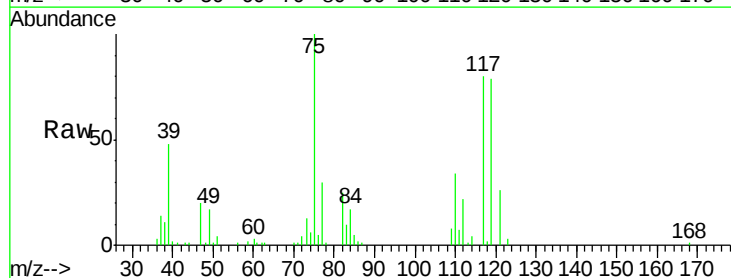
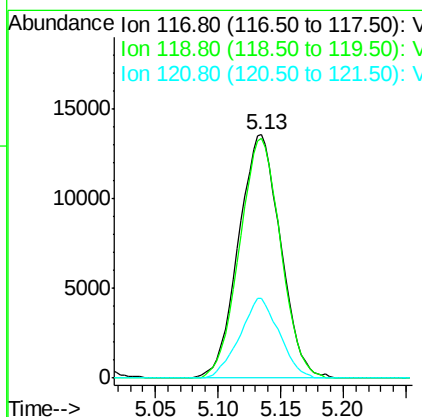
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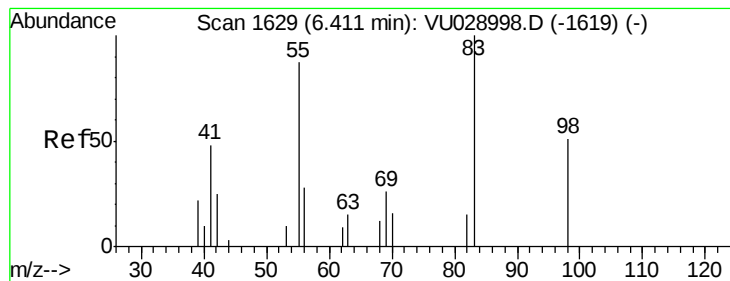
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#38
Carbon Tetrachloride
Concen: 20.518 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion	117	119	121
Resp	31590		
Ratio	100	98.5	32.9
Lower		74.6	25.0
Upper		111.8	37.6





#39

Methvlcvclohexane

Concen: 19.137 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

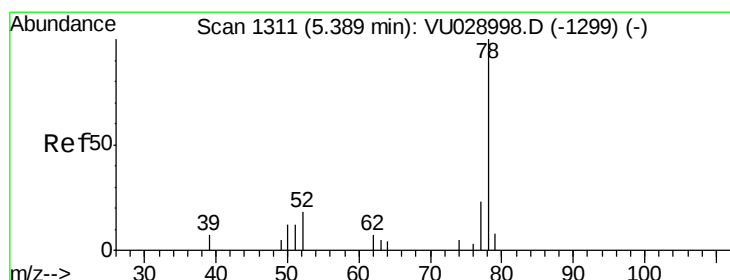
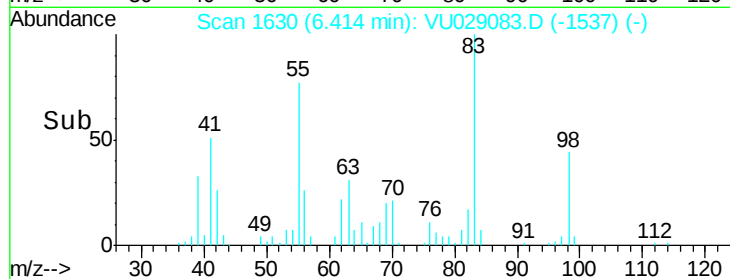
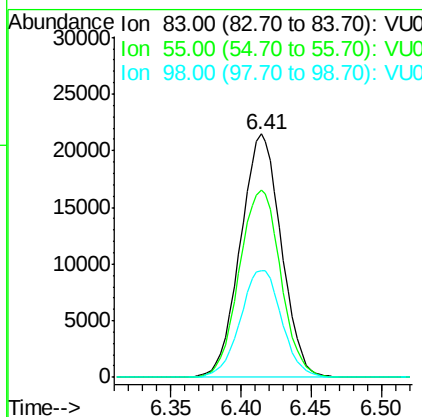
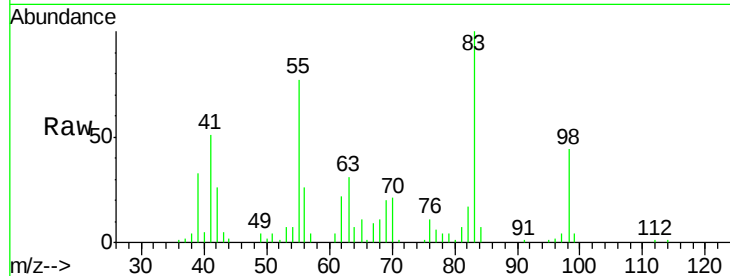
ClientSampleId :

VU0109WBS01

Tot Ion:	83	Resp:	43430
Ion	Ratio	Lower	Upper
83	100		
55	76.8	62.4	93.6
98	43.9	36.2	54.2

Manual Integrations
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#40

Benzene

Concen: 20.362 ug/l

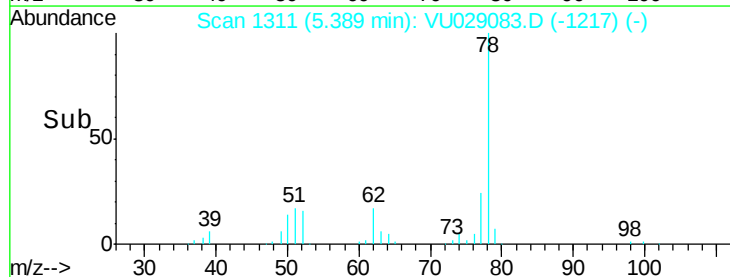
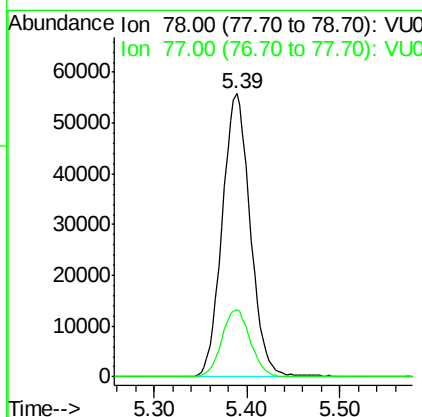
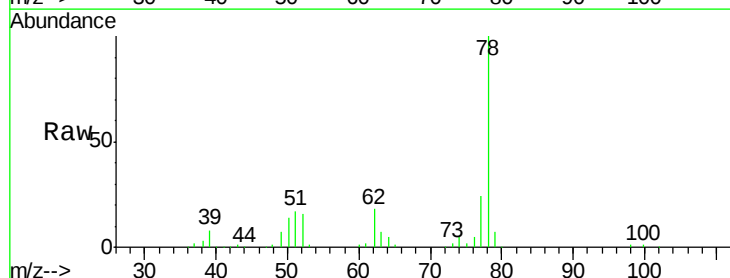
RT: 5.39 min Scan# 1311

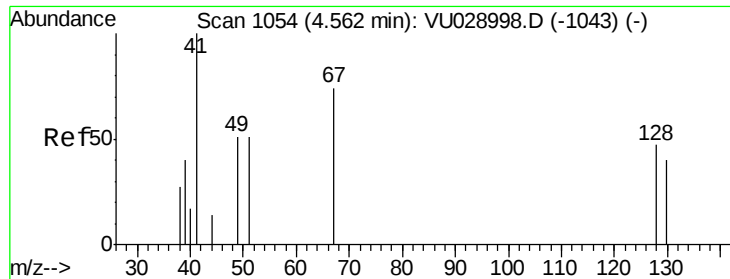
Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Tgt Ion:	78	Resp:	117244
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





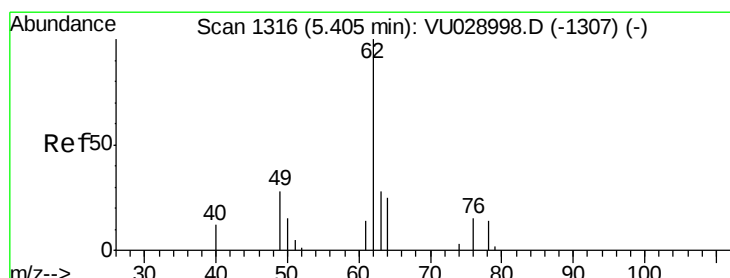
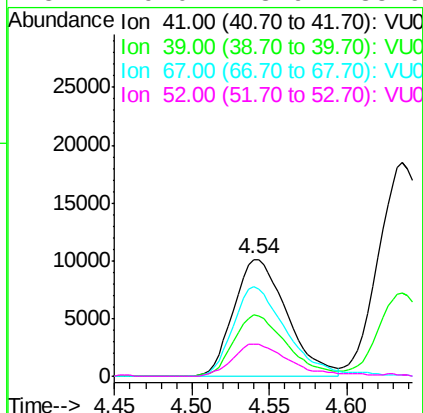
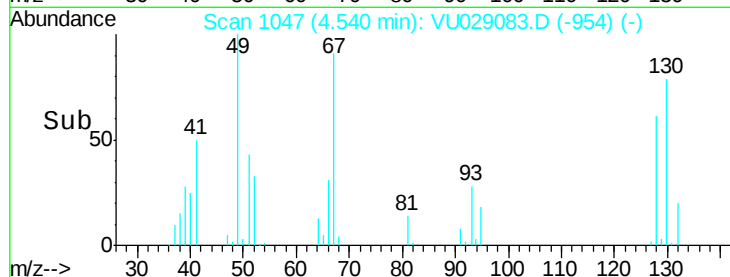
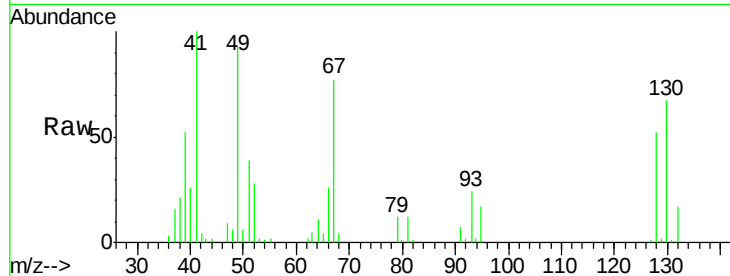
#41
Methacrylonitrile
Concen: 22.325 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampled :
VU0109WBS01

Tot Ion	Ion	Ratio	Lower	Upper
24214	41	100		
	39	52.4	42.3	63.5
	67	76.0	64.4	96.6
	52	29.0	23.9	35.9

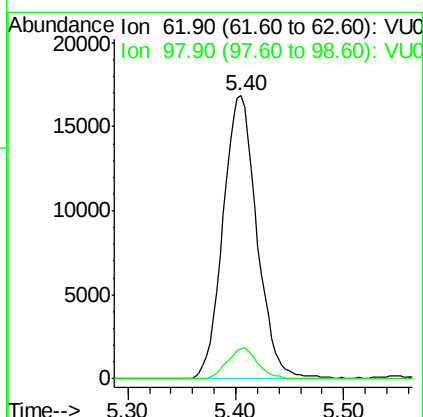
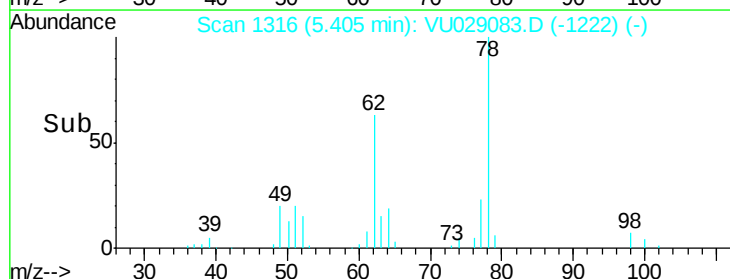
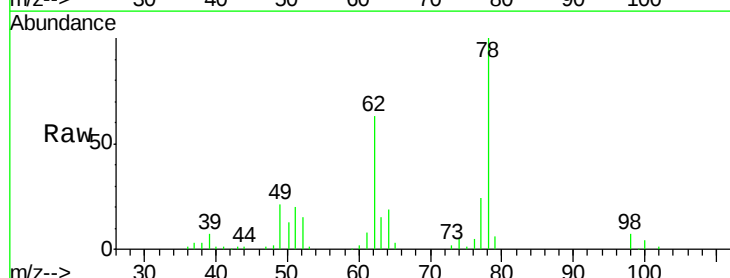
Manual Integrations
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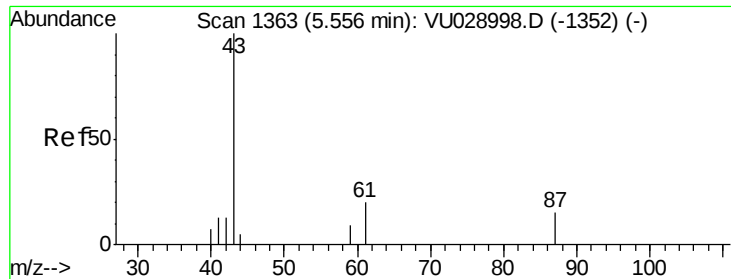
MMDadoda
1/10/2019 9:38:31 AM



#42
1,2-Dichloroethane
Concen: 21.337 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
36918	62	100		
	98	9.8	0.0	19.6





#43

Isopropyl Acetate

Concen: 22.116 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

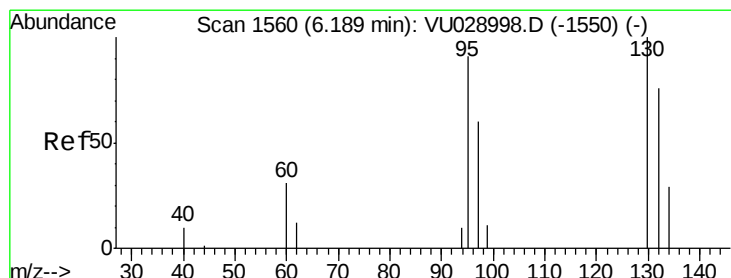
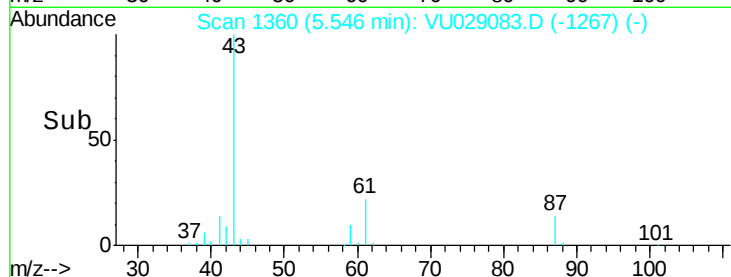
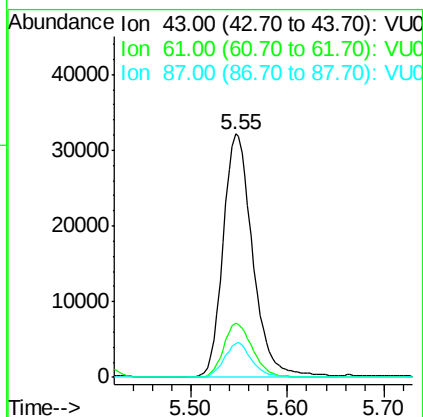
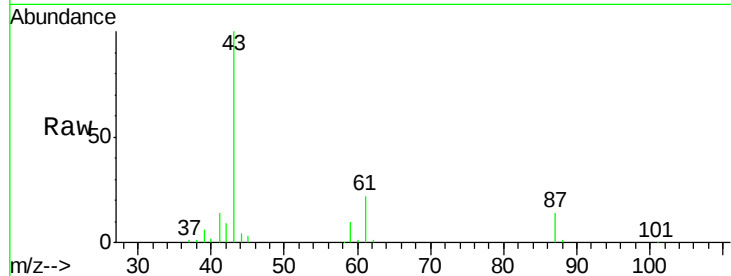
ClientSampleId :

VU0109WBS01

Tot Ion:	43	Resp:	68740
Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.8	26.6
87	13.1	11.3	16.9

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1/10/2019 9:38:31 AM



#44

Trichloroethene

Concen: 19.485 ug/l

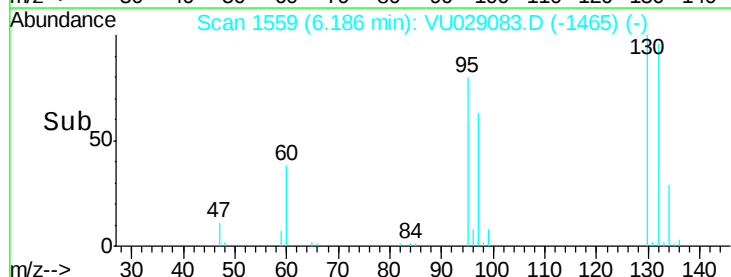
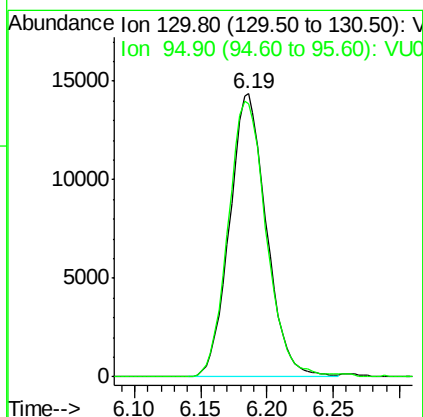
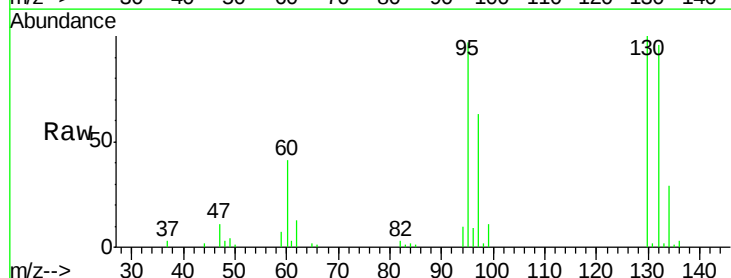
RT: 6.19 min Scan# 1559

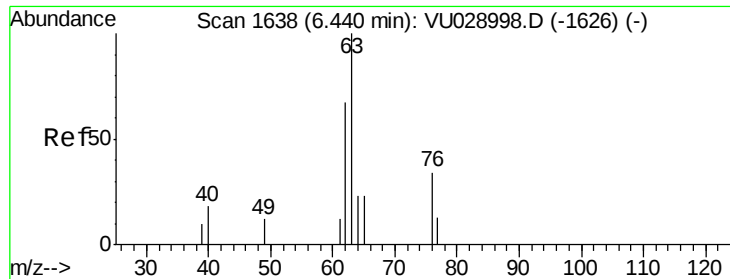
Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Tgt Ion:	130	Resp:	27799
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	205.0





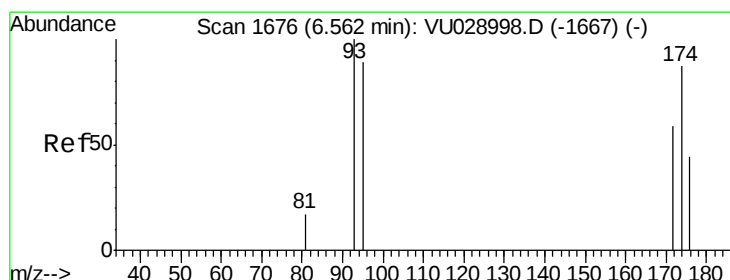
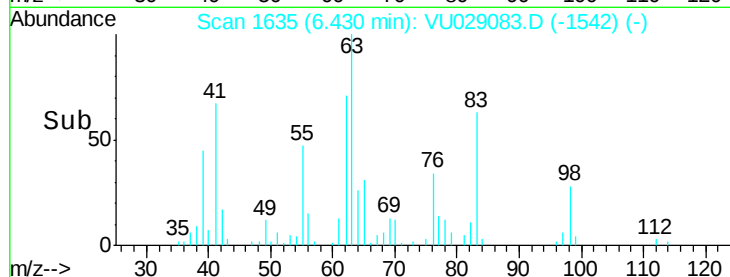
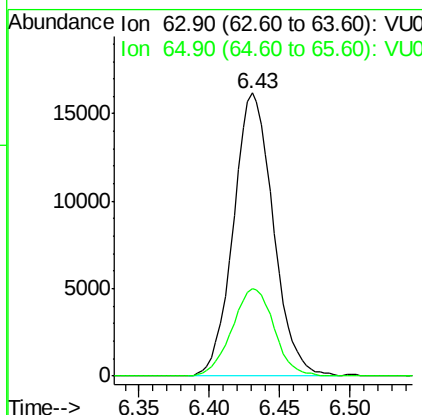
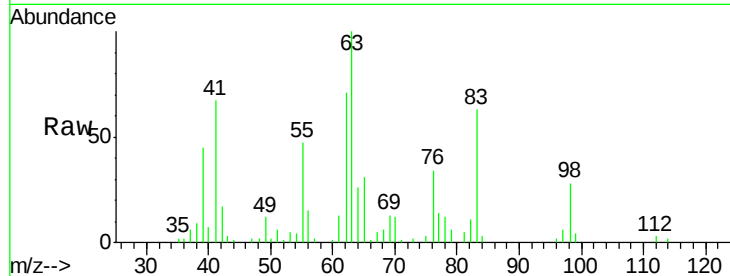
#45
 1,2-Dichloropropane
 Concen: 21.061 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

Tot Ion: 63 Resp: 32025
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.1 37.7

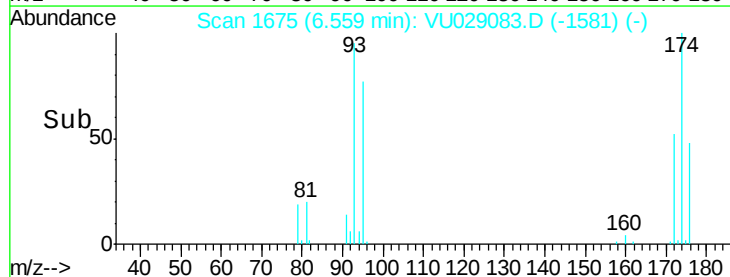
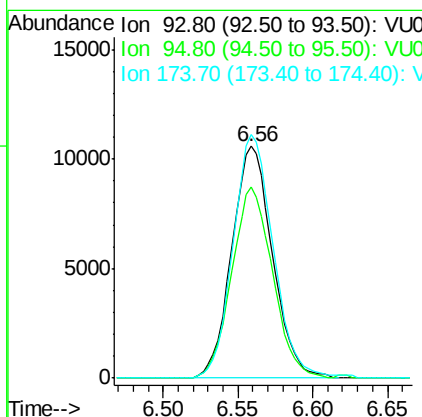
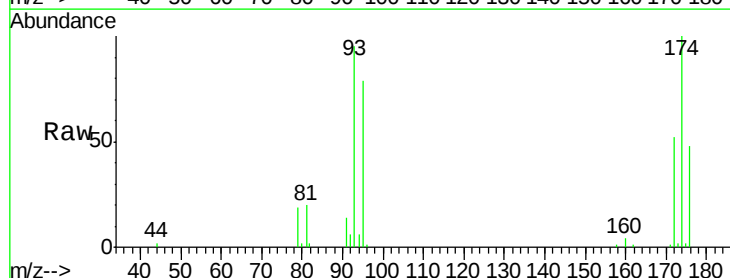
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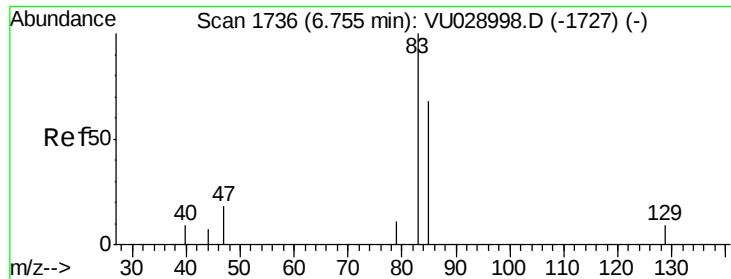
MMDadoda
 1/10/2019 9:38:31 AM



#46
 Dibromomethane
 Concen: 20.611 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Tgt Ion: 93 Resp: 20035
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.2 100.8
 174 103.9 82.6 123.8





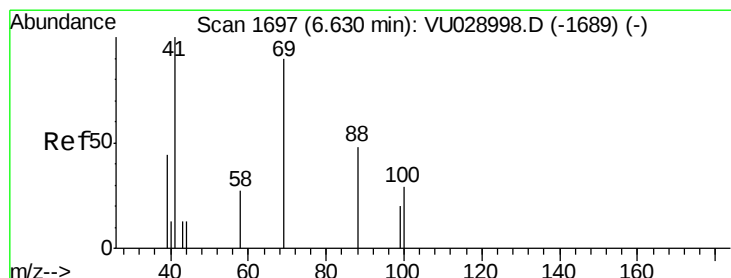
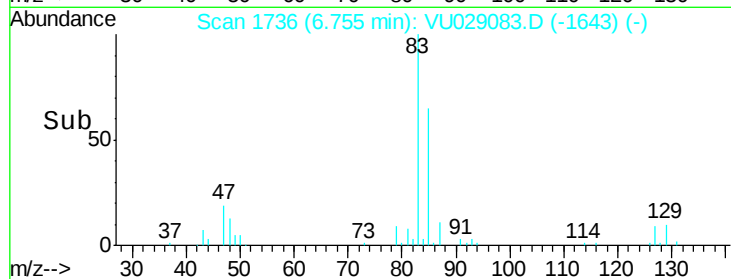
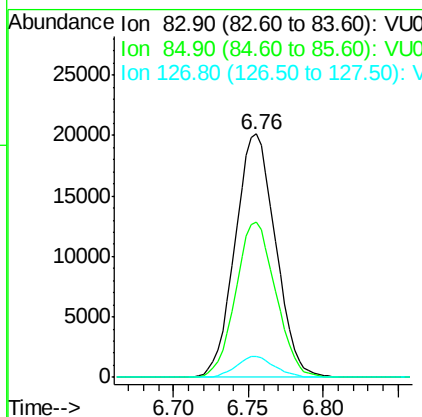
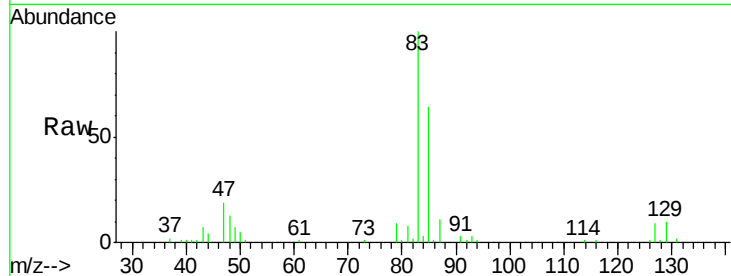
#47
Bromodichloromethane
Concen: 21.151 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion	83	Resp	37855
Ion Ratio	100		
85	63.8	51.4	77.2
127	8.8	7.0	10.4

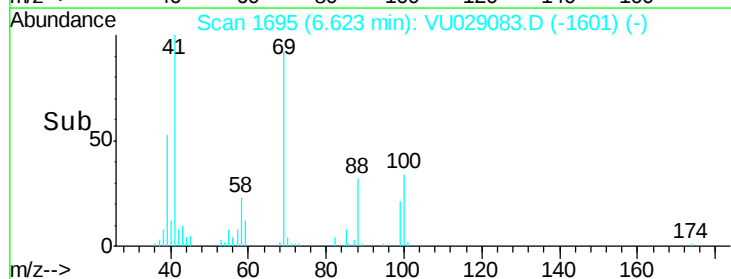
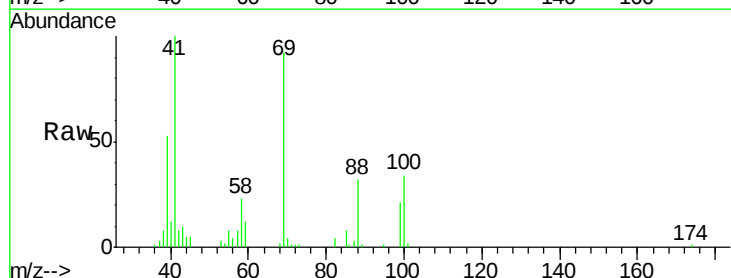
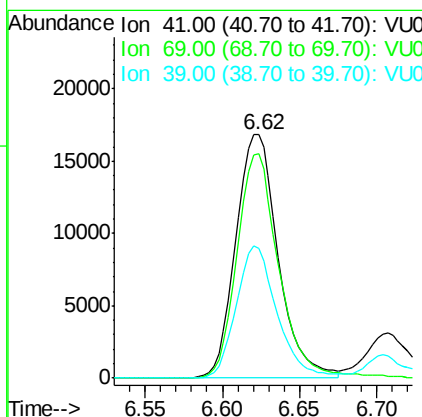
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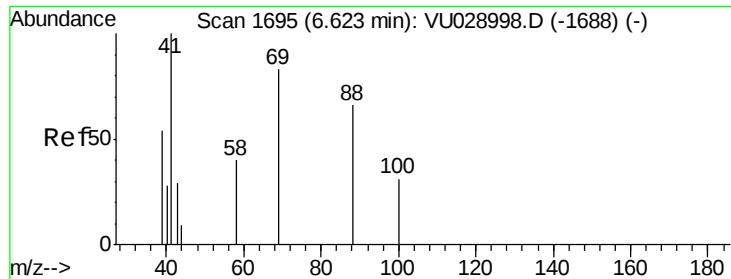
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#48
Methyl methacrylate
Concen: 21.213 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion	41	Resp	32106
Ion Ratio	100		
69	91.4	73.6	110.4
39	51.8	39.6	59.4





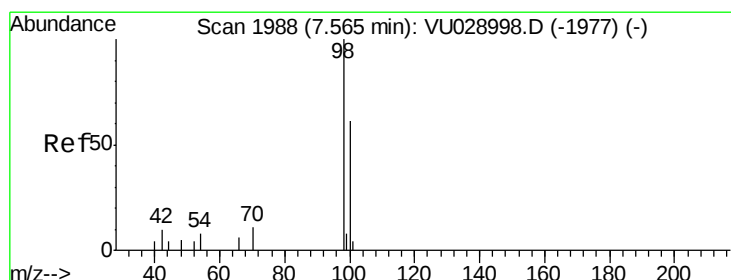
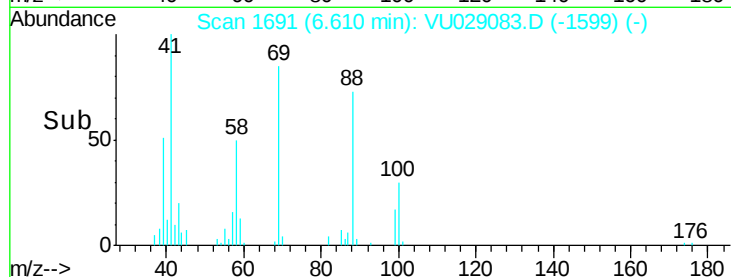
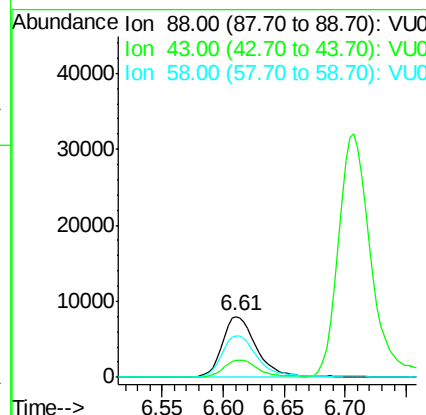
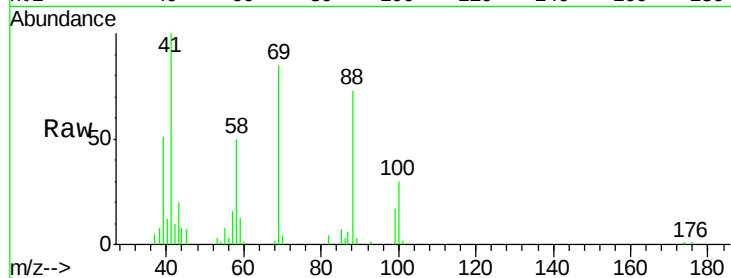
#49
1,4-Dioxane
Concen: 440.654 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.0	34.4
58	71.2	57.9	86.9

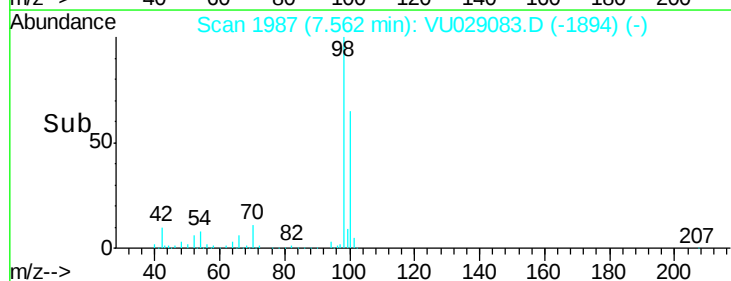
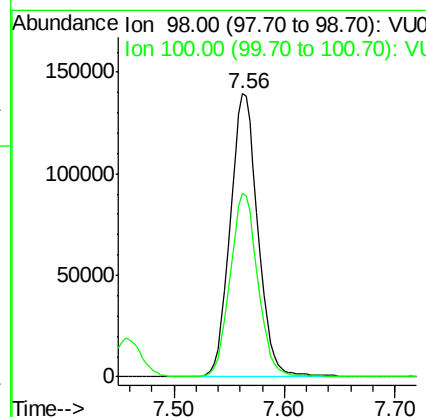
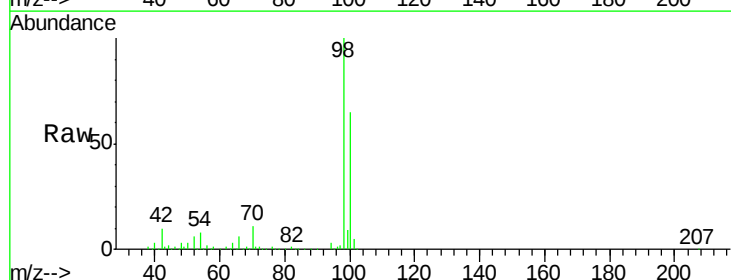
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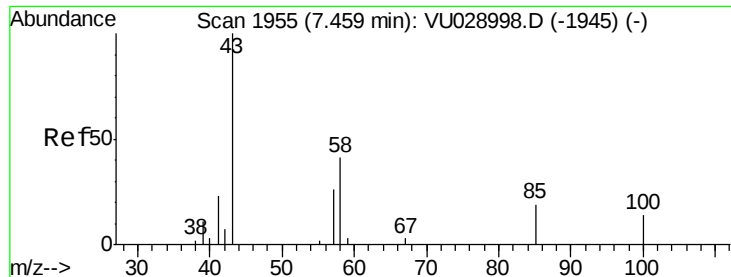
MMDadoda
1/10/2019 9:38:31 AM



#50
Toluene-d8
Concen: 51.358 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 109.253 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion: 43 Resp: 231107

Ion Ratio Lower Upper

43 100

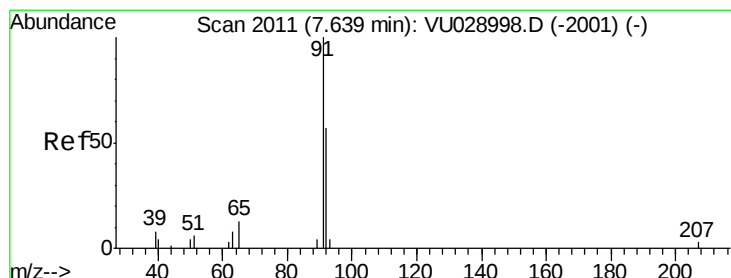
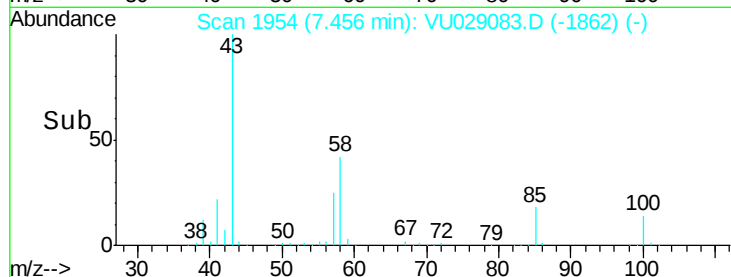
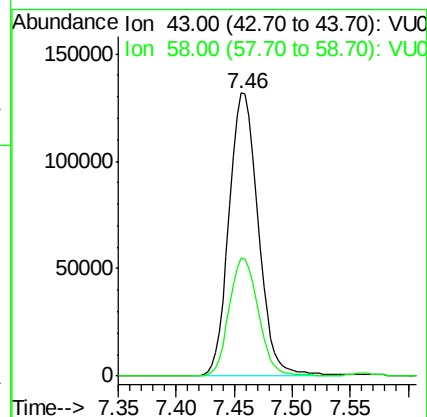
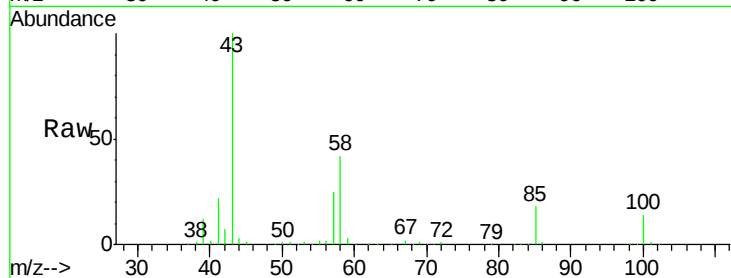
58 41.6 33.9 50.9

Manual Integrations

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1/10/2019 9:38:31 AM



#52

Toluene

Concen: 20.048 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029083.D

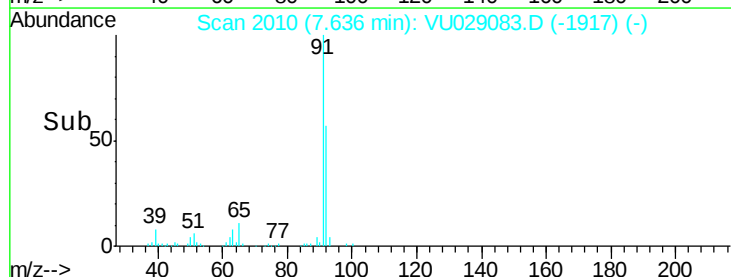
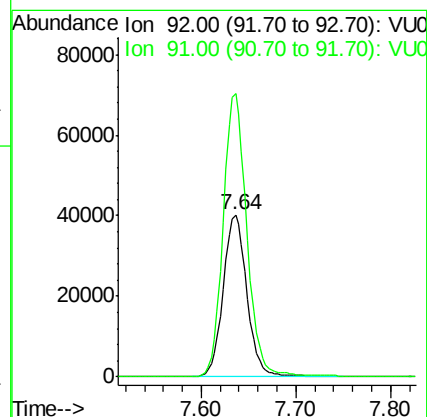
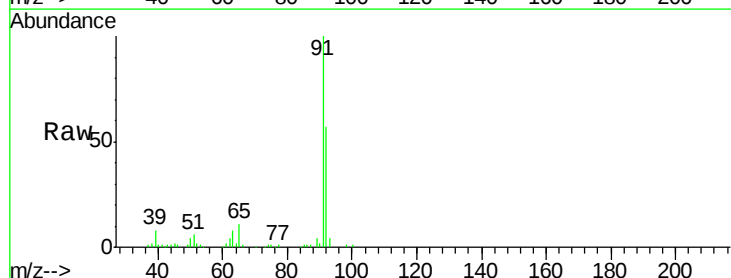
Acq: 09 Jan 2019 10:26

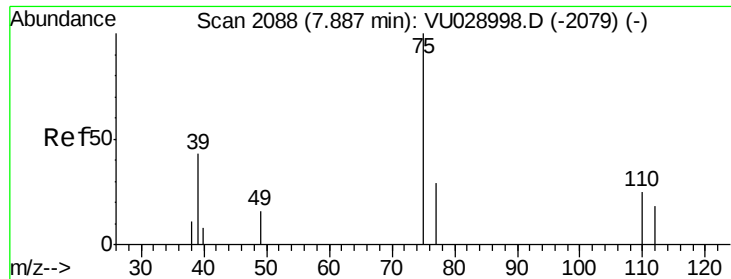
Tgt Ion: 92 Resp: 70274

Ion Ratio Lower Upper

92 100

91 173.4 139.8 209.8





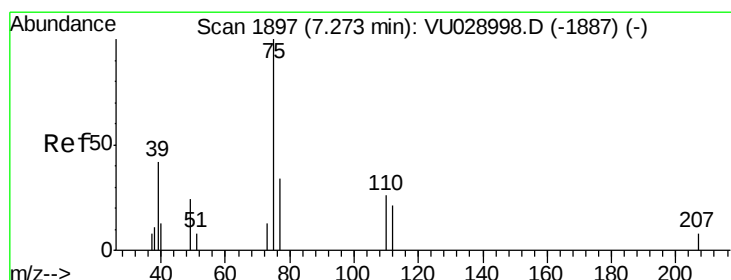
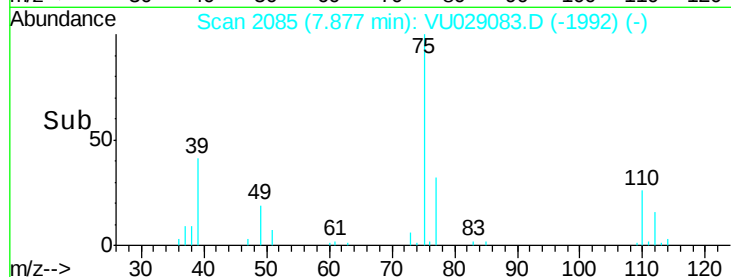
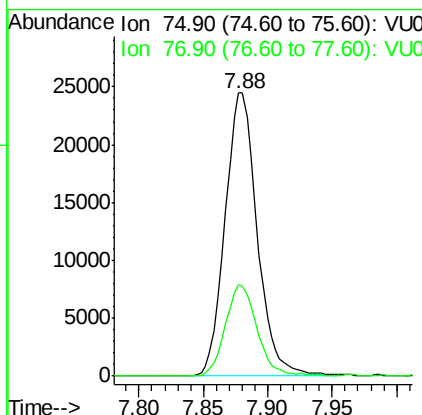
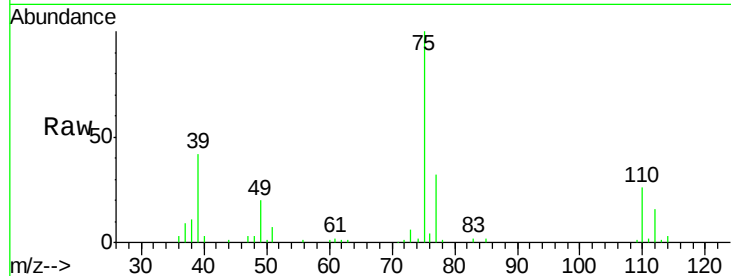
#53
t-1,3-Dichloropropene
Concen: 19.733 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion: 75 Resp: 42425
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.4

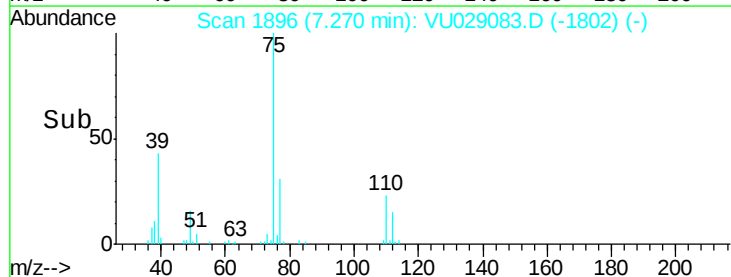
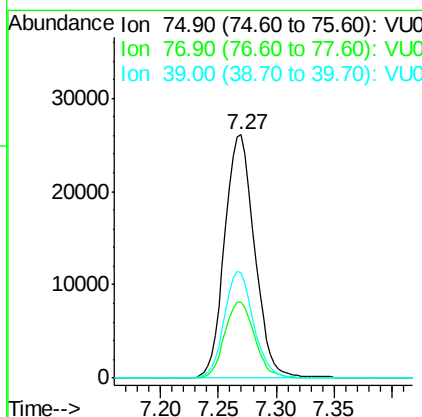
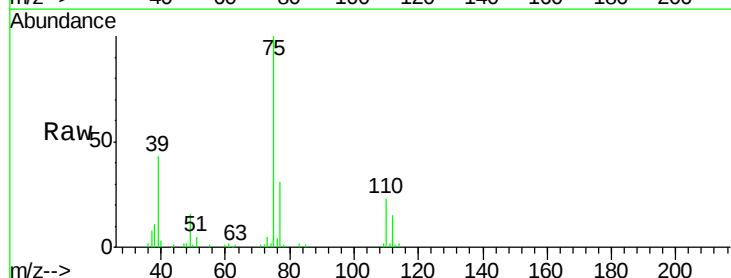
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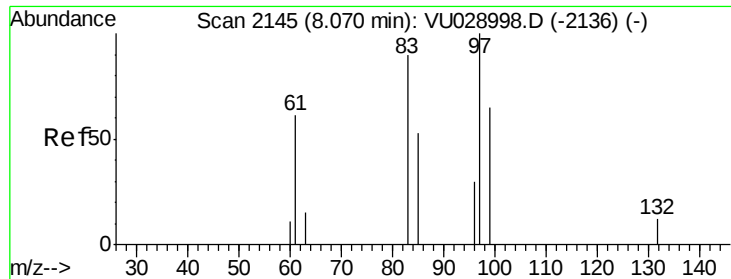
MMDadoda
1/10/2019 9:38:31 AM



#54
cis-1,3-Dichloropropene
Concen: 20.074 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion: 75 Resp: 46634
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6
39 43.1 32.2 48.4





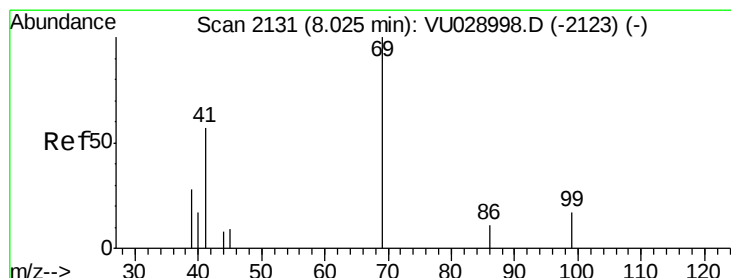
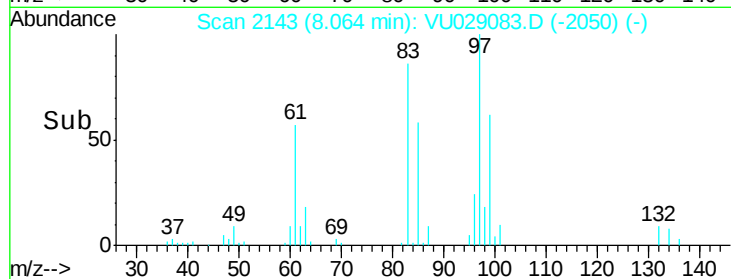
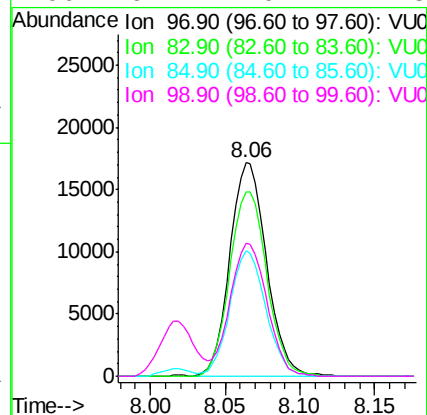
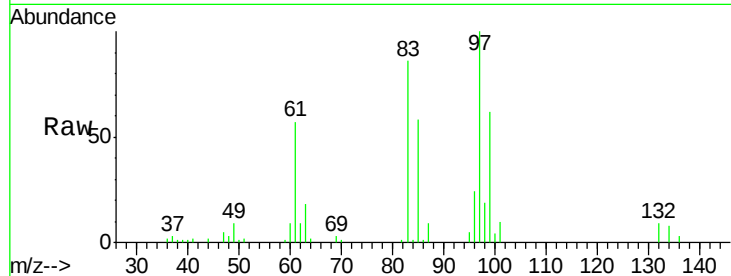
#55
 1,1,2-Trichloroethane
 Concen: 20.942 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.3	69.8	104.8	
85	58.5	47.3	70.9	
99	62.1	49.7	74.5	

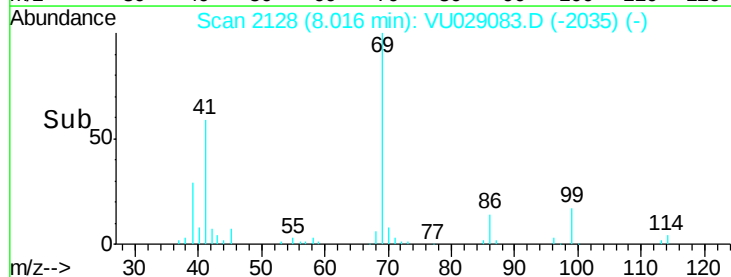
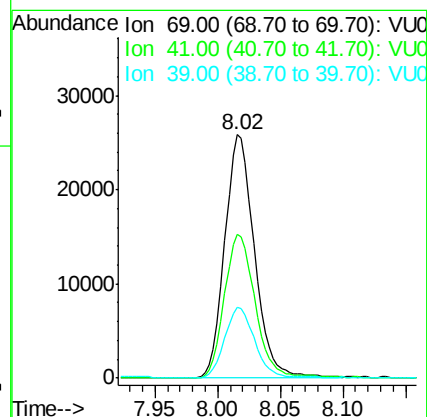
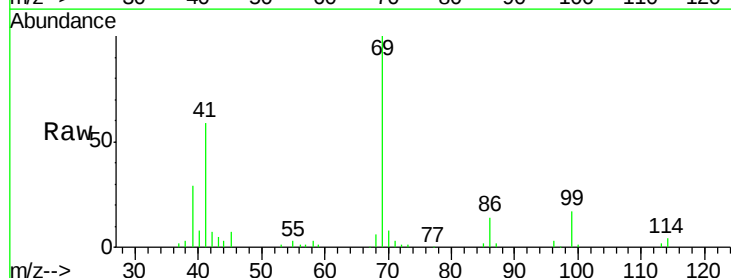
Manual Integrations
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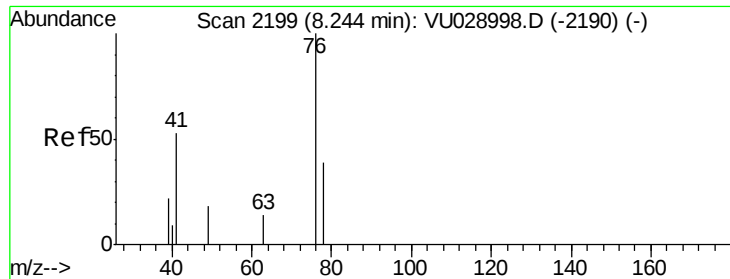
MMDadoda
 1/10/2019 9:38:31 AM



#56
 Ethyl methacrylate
 Concen: 19.720 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	61.4	47.5	71.3	
39	29.1	22.5	33.7	





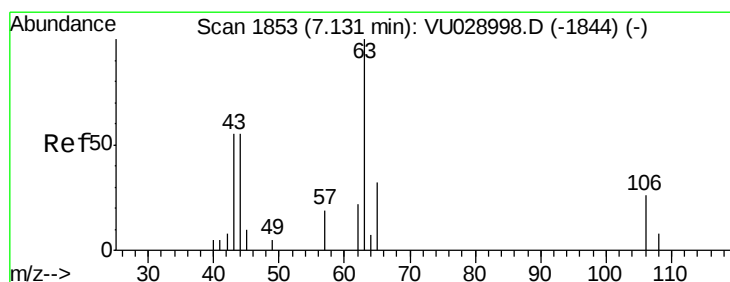
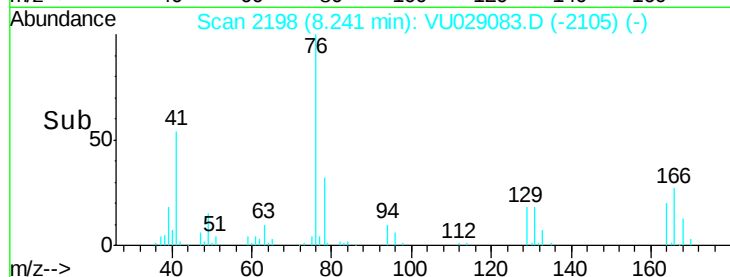
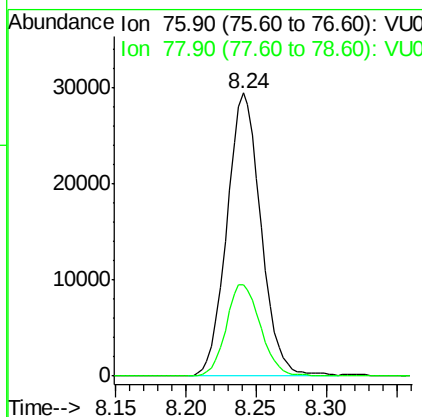
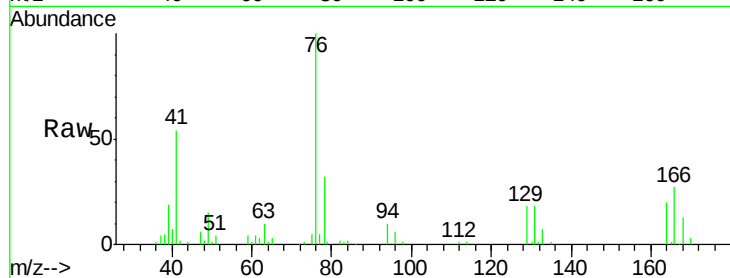
#57
 1,3-Dichloropropane
 Concen: 20.649 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

Tot Ion: 76 Resp: 49618
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.0 39.0

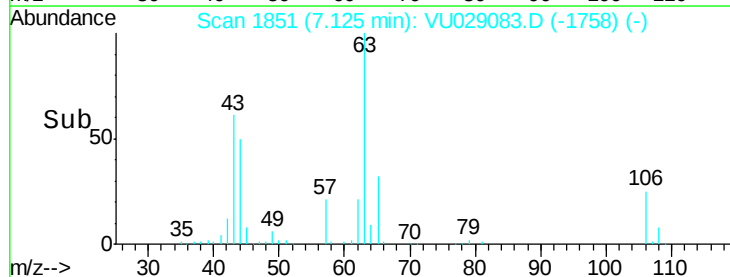
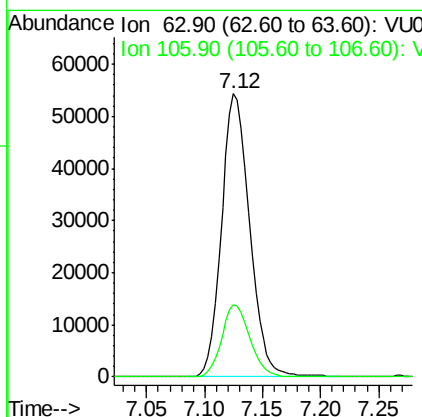
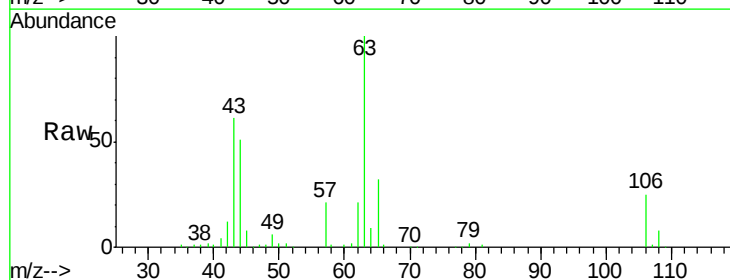
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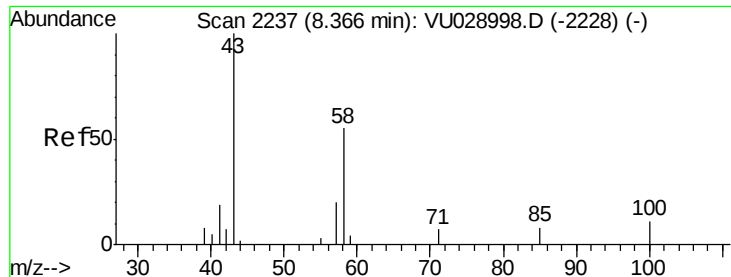
MMDadoda
 1/10/2019 9:38:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.605 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Tgt Ion: 63 Resp: 91915
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.6 31.0





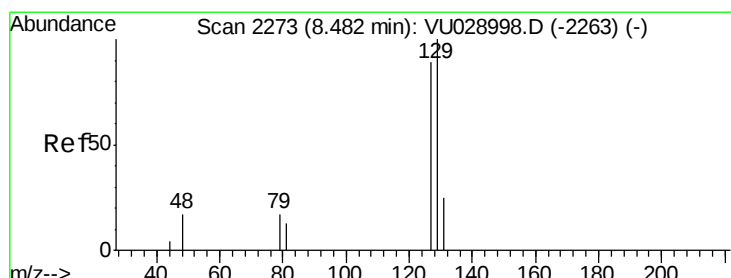
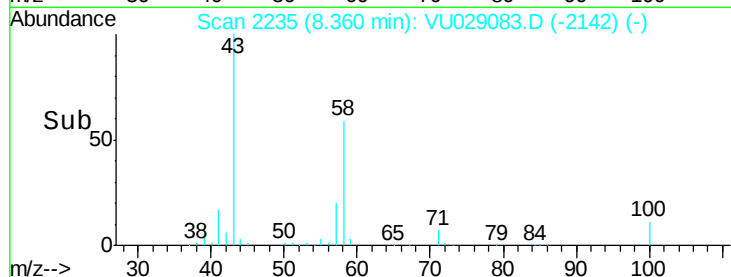
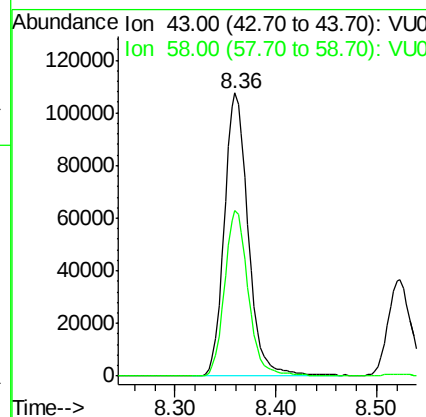
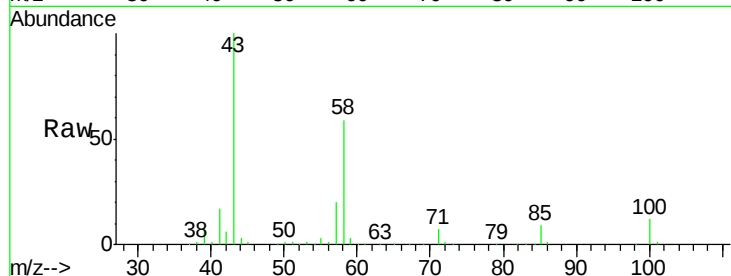
#59
2-Hexanone
Concen: 107.780 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion: 43 Resp: 178965
Ion Ratio Lower Upper
43 100
58 57.9 29.8 89.4

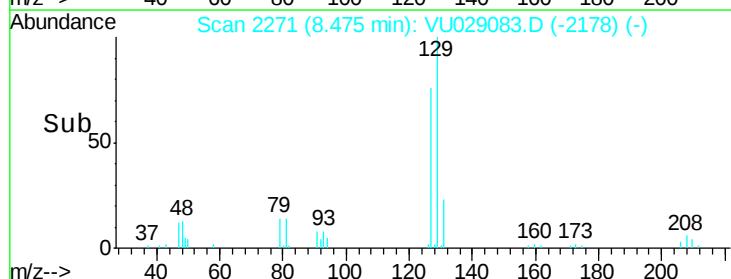
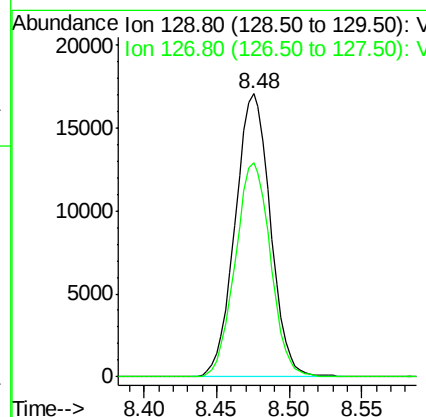
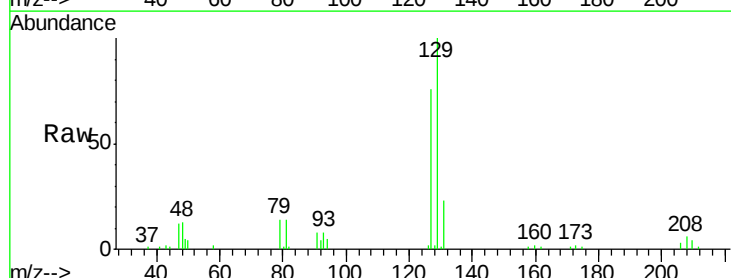
Manual Integrations
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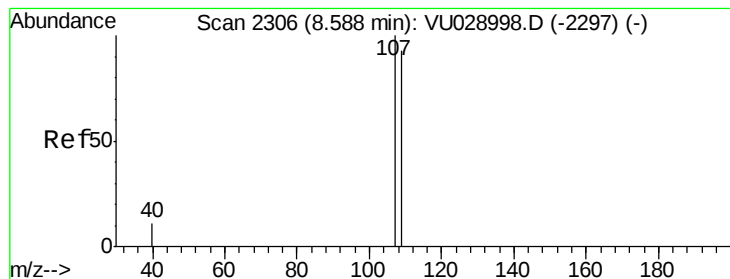
MMDadoda
1/10/2019 9:38:31 AM



#60
Dibromochloromethane
Concen: 20.740 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion: 129 Resp: 28855
Ion Ratio Lower Upper
129 100
127 75.4 38.0 114.0





#61

1,2-Dibromoethane

Concen: 20.135 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion:107 Resp: 30666

Ion Ratio Lower Upper

107 100

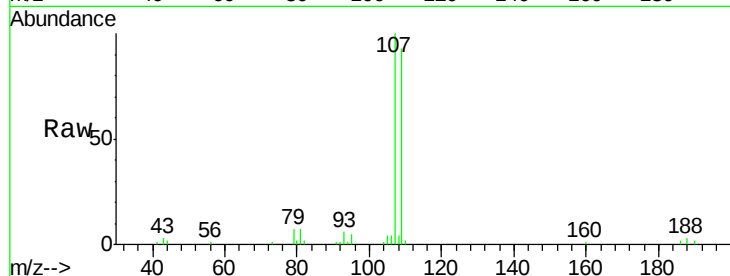
109 93.4 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

20000

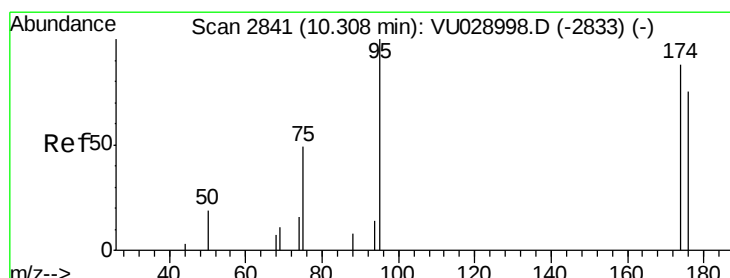
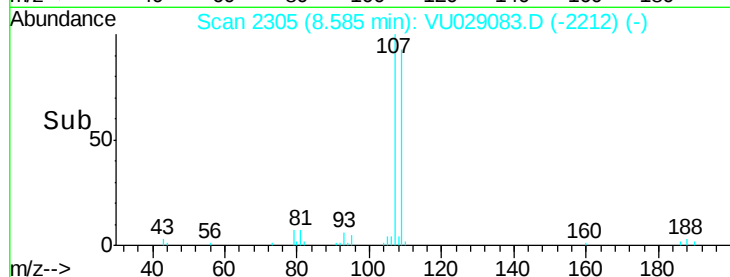
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 48.875 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

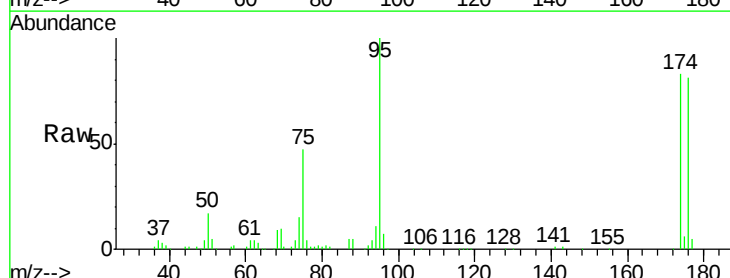
Tgt Ion: 95 Resp: 83015

Ion Ratio Lower Upper

95 100

174 83.1 0.0 170.6

176 80.8 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

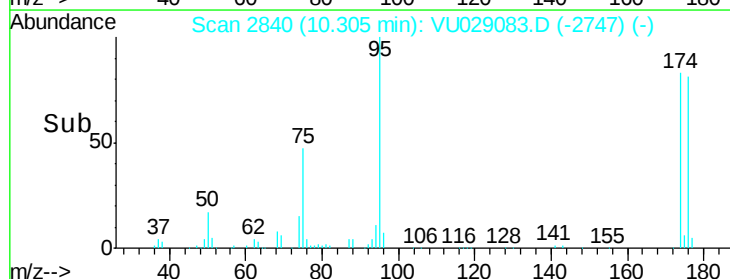
60000

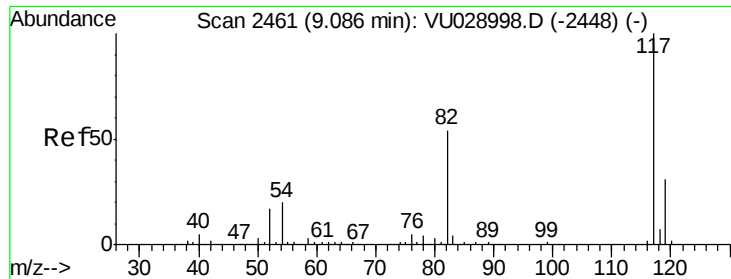
40000

20000

0

Time--> 10.30 10.40





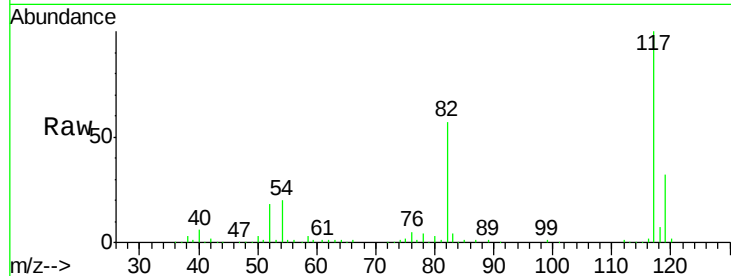
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

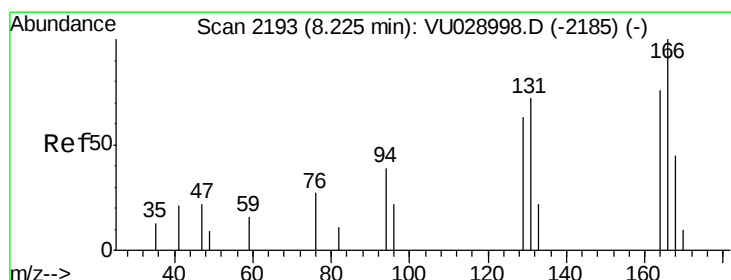
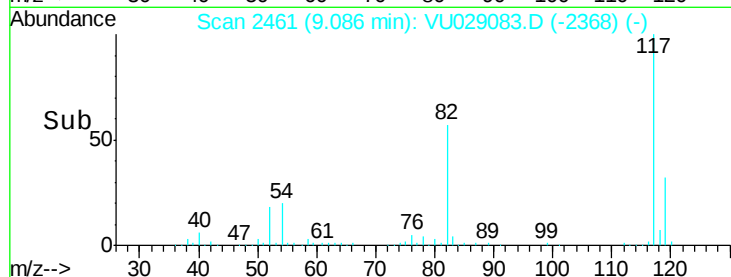
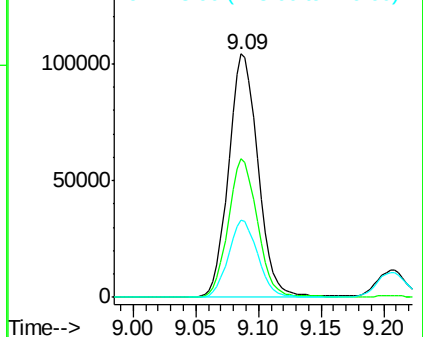
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	43.9	65.9
119	31.7	26.0	39.0

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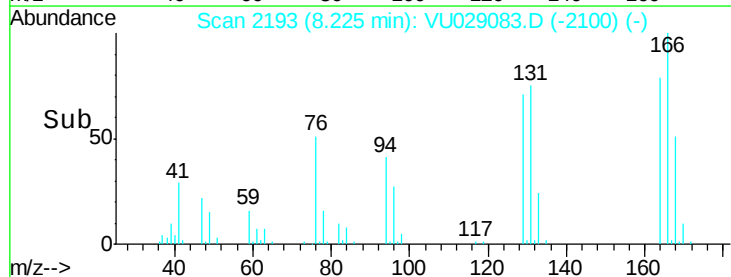
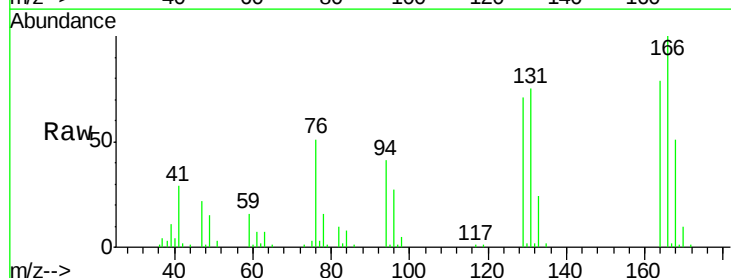
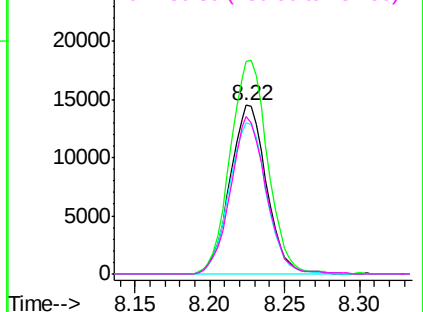
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

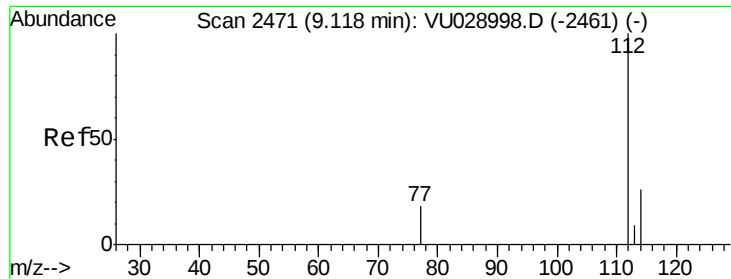


#64
Tetrachloroethene
Concen: 19.971 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	99.4	149.0
129	89.7	70.5	105.7
131	93.8	69.0	103.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





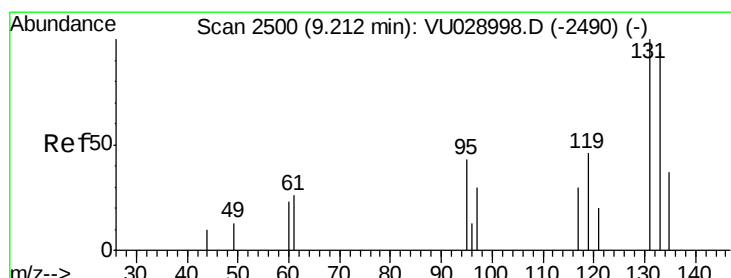
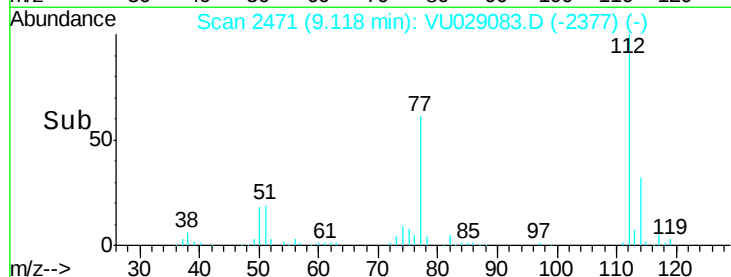
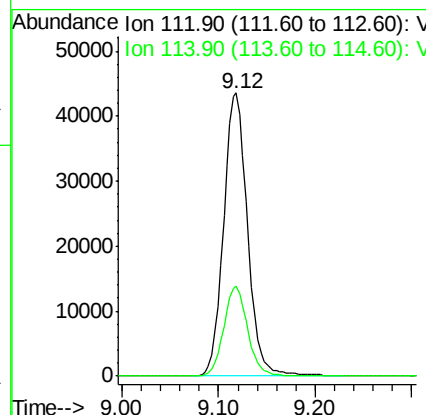
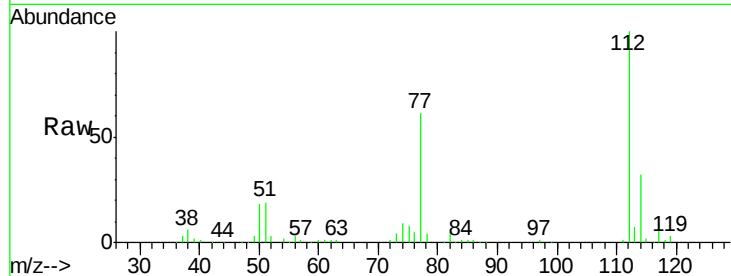
#65
Chlorobenzene
Concen: 19.503 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion:112 Resp: 74795
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6

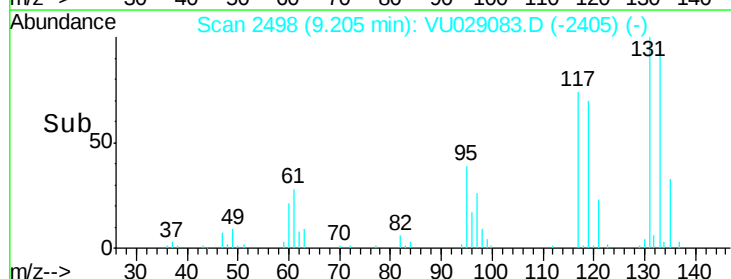
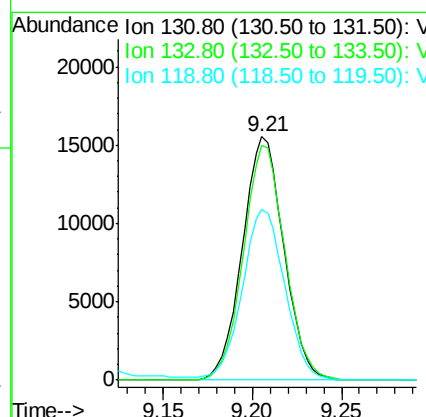
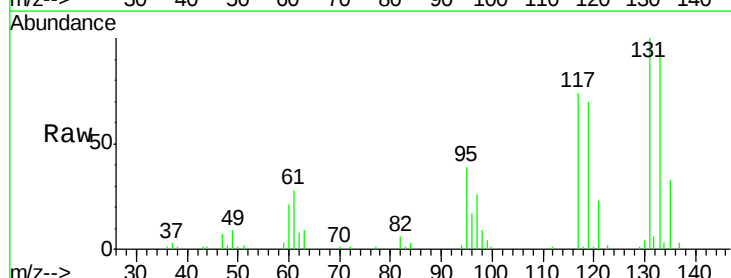
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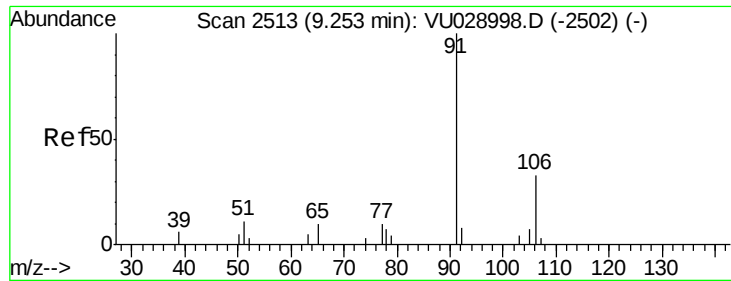
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.309 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion:131 Resp: 25276
Ion Ratio Lower Upper
131 100
133 96.3 48.2 144.6
119 71.7 35.4 106.3





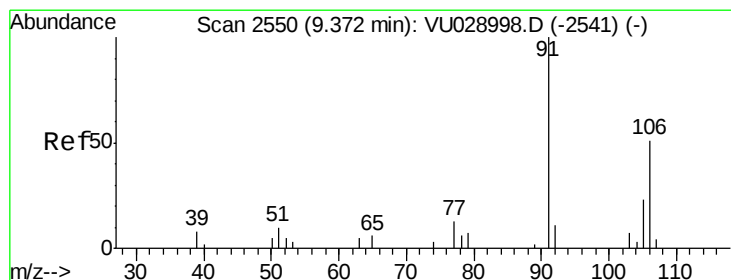
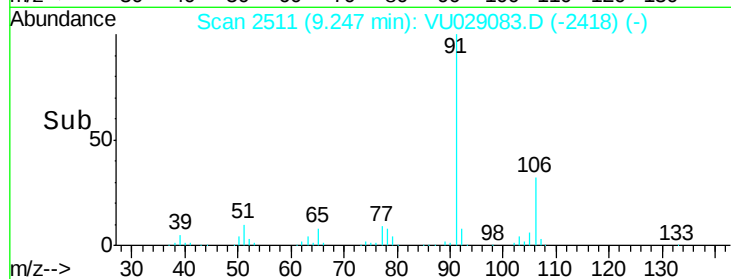
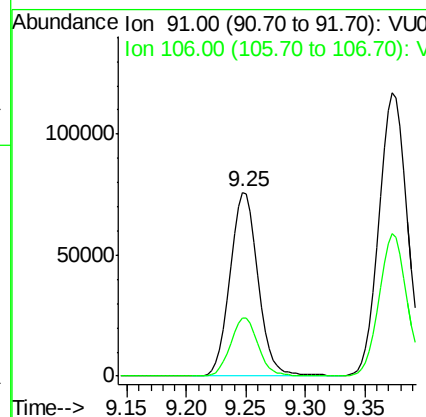
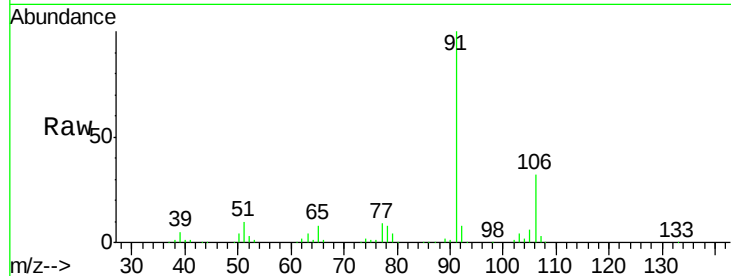
#67
Ethyl Benzene
Concen: 19.460 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion: 91 Resp: 124603
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4

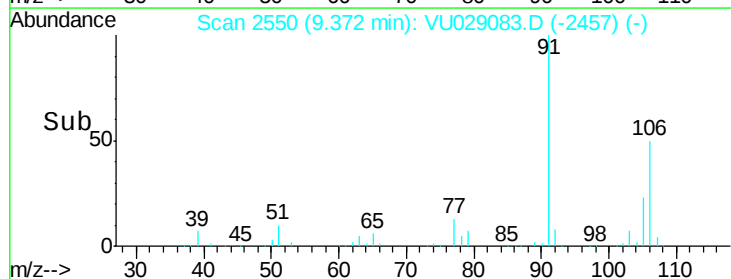
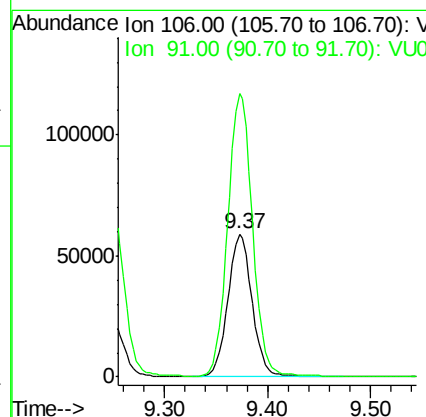
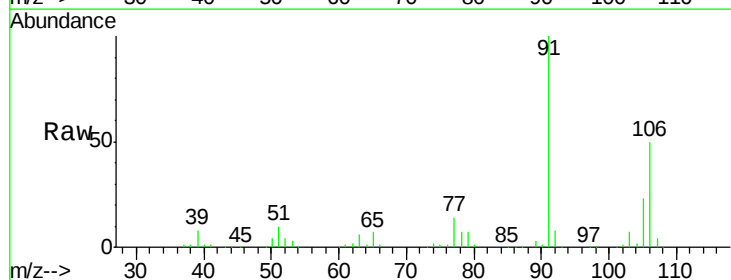
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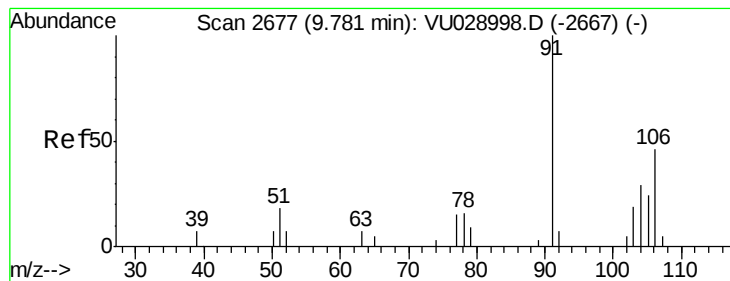
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#68
m/p-Xylenes
Concen: 38.906 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion: 106 Resp: 96794
Ion Ratio Lower Upper
106 100
91 201.2 161.7 242.5





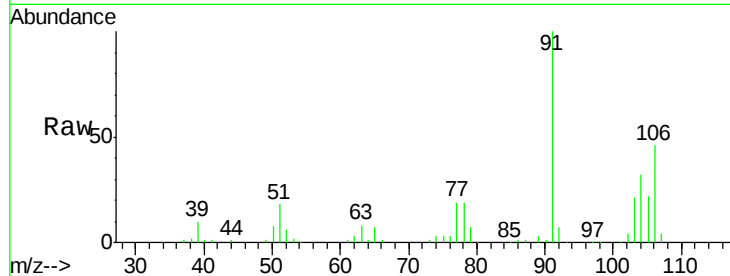
#69
o-Xylene
Concen: 19.577 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

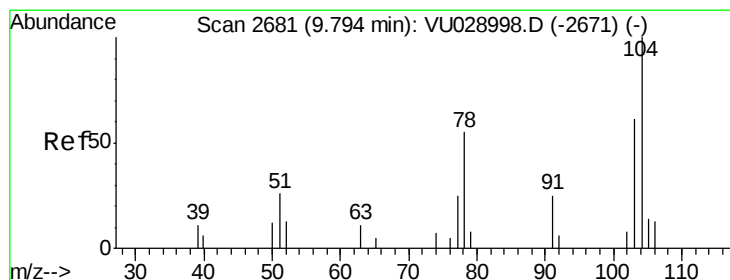
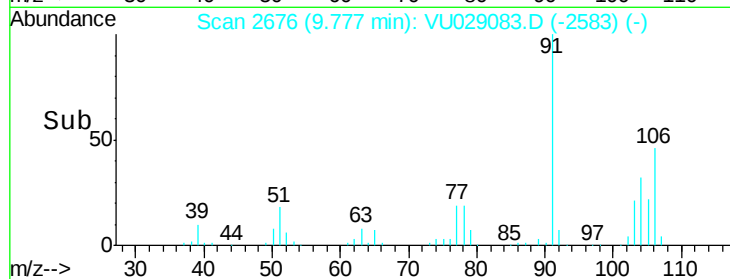
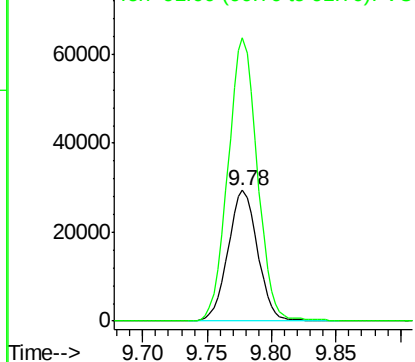
Tot Ion:106 Resp: 46929
Ion Ratio Lower Upper
106 100
91 214.6 106.1 318.3

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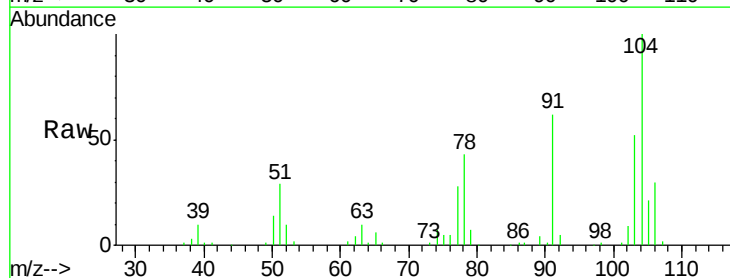


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

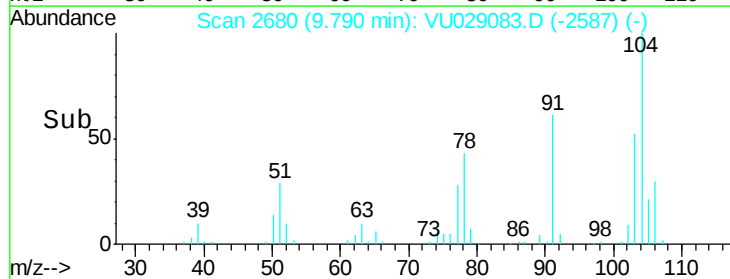
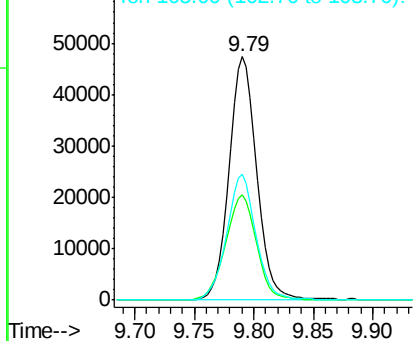


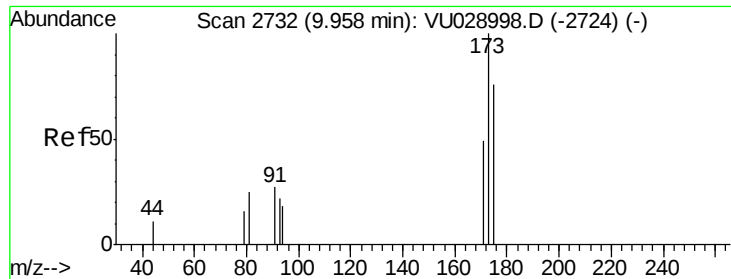
#70
Styrene
Concen: 19.466 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion:104 Resp: 76497
Ion Ratio Lower Upper
104 100
78 48.5 38.6 58.0
103 54.6 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.925 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion:173 Resp: 22081

Ion Ratio Lower Upper

173 100

175 49.2 23.8 71.2

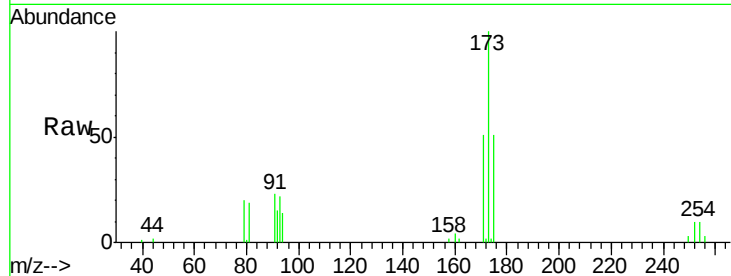
254 0.0 0.0 0.0

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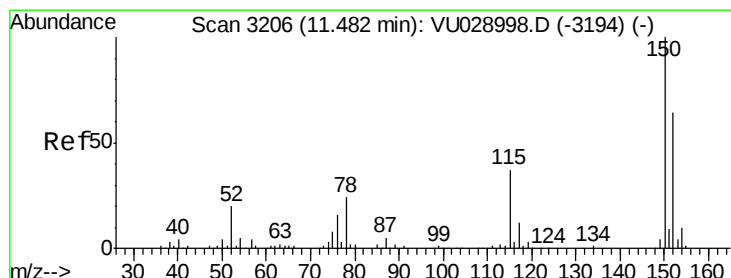
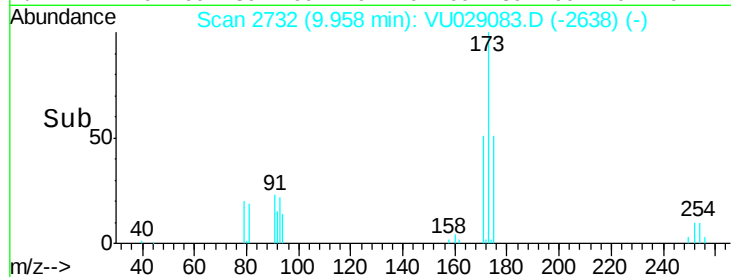
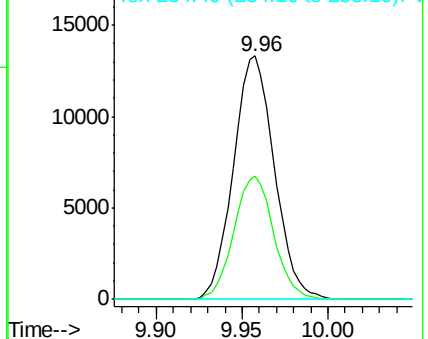
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

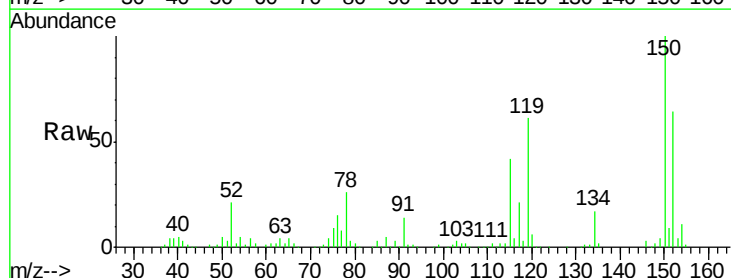
Tgt Ion:152 Resp: 81377

Ion Ratio Lower Upper

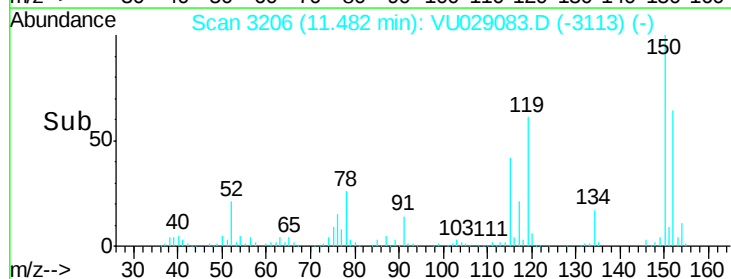
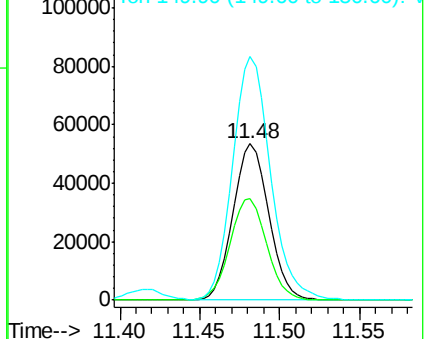
152 100

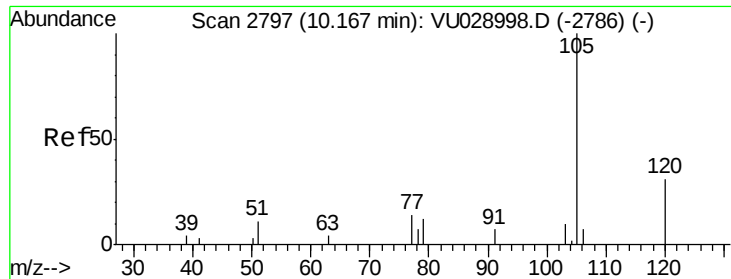
115 66.8 40.1 120.3

150 165.6 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.427 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion: 105 Resp: 123040

Ion Ratio Lower Upper

105 100

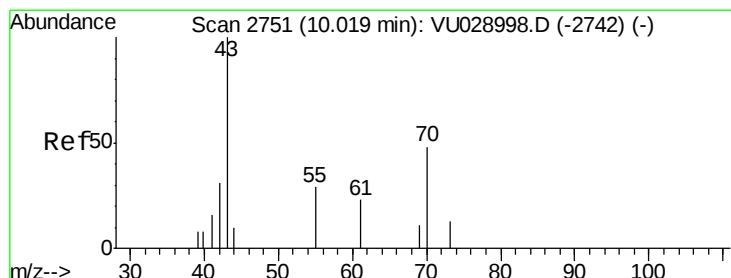
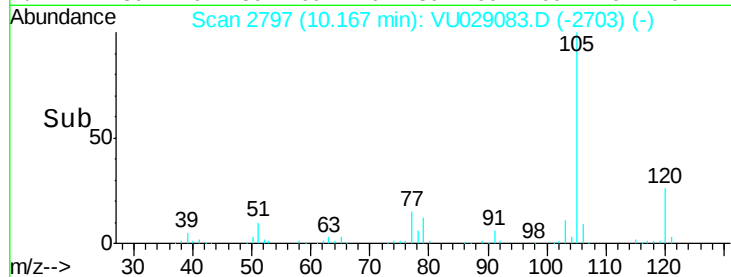
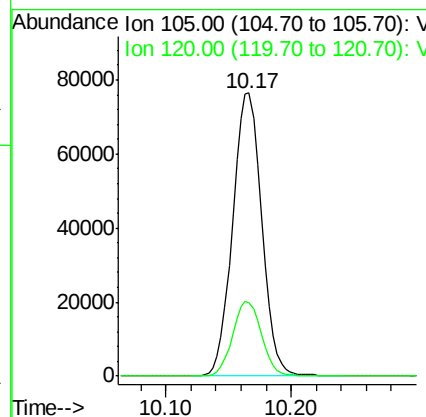
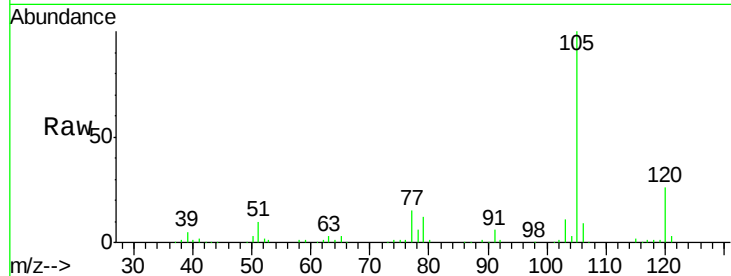
120 26.3 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.958 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Tgt Ion: 43 Resp: 54398

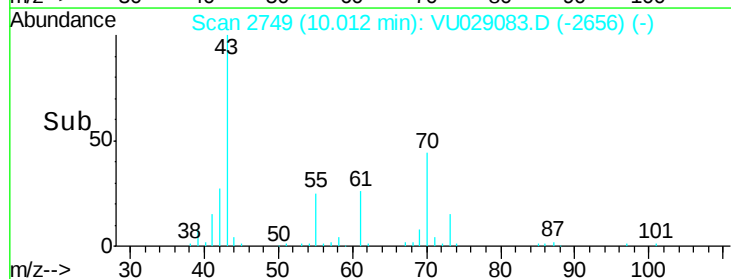
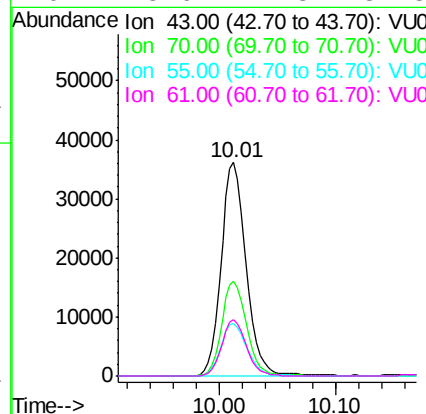
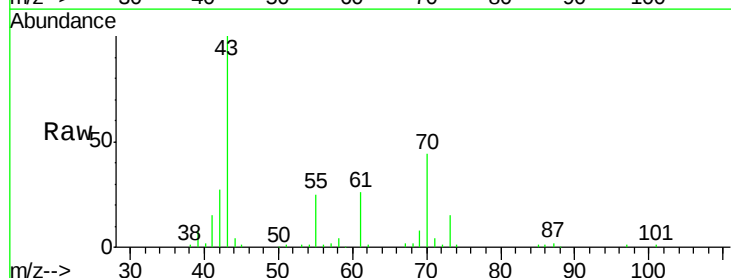
Ion Ratio Lower Upper

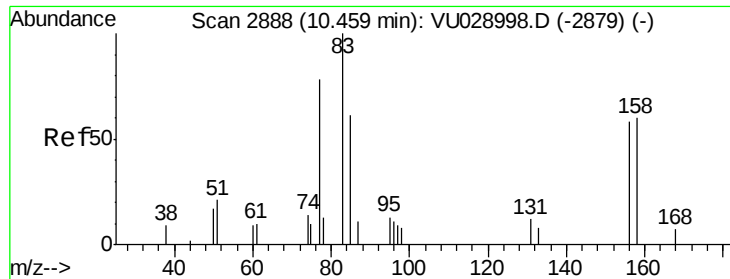
43 100

70 44.3 36.3 54.5

55 25.8 20.5 30.7

61 25.6 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.182 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

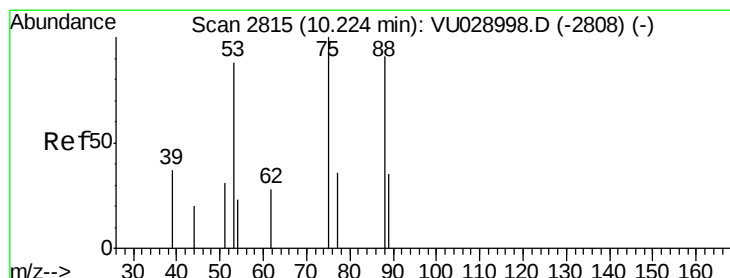
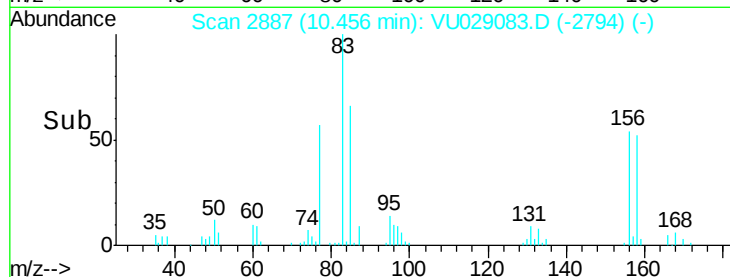
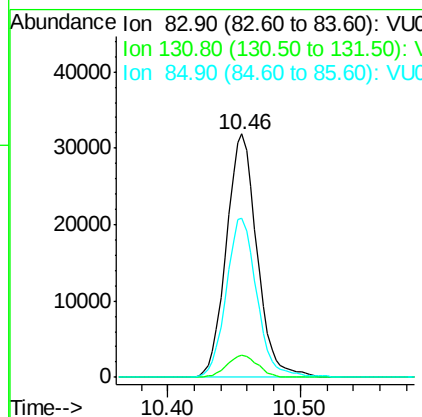
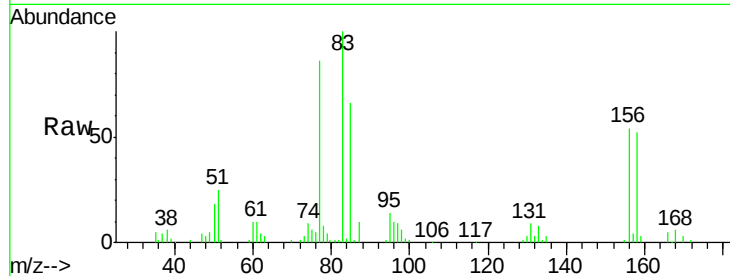
ClientSampleId :

VU0109WBS01

Tot Ion:	83	Resp:	51134
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.7	14.1
85	65.4	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.984 ug/l m

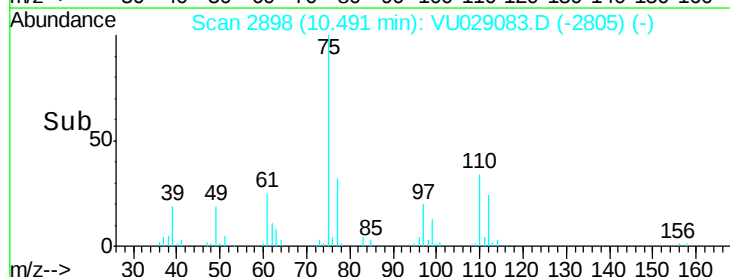
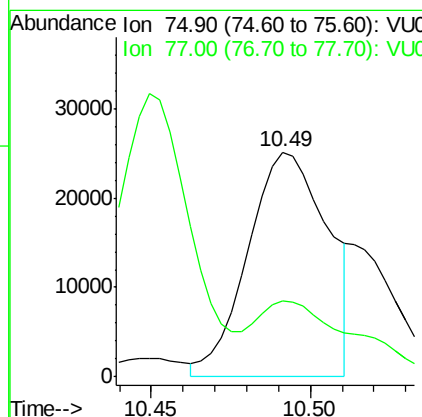
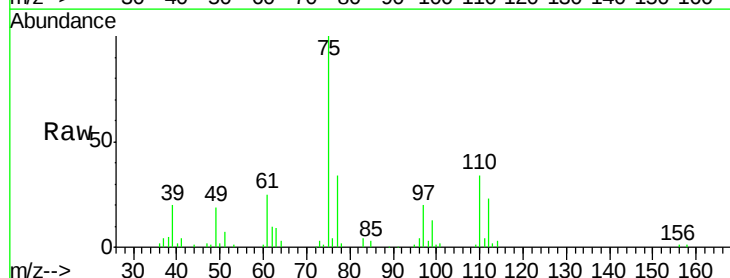
RT: 10.49 min Scan# 2898

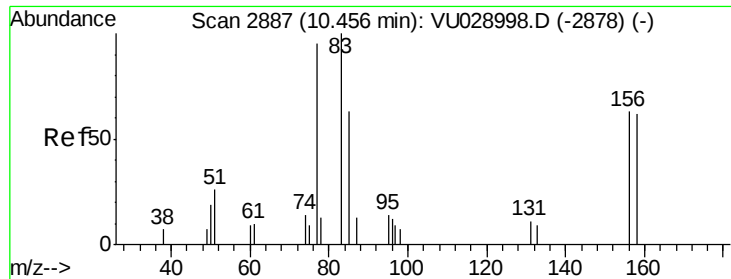
Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Tgt Ion:	75	Resp:	43833
Ion Ratio	Lower	Upper	
75	100		
77	42.1	20.9	62.8





#77

Bromobenzene

Concen: 20.004 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion:156 Resp: 31399

Ion Ratio Lower Upper

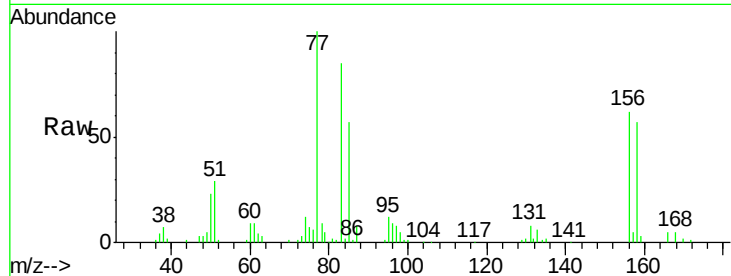
156 100

77 161.9 79.0 237.2

158 95.9 48.9 146.6

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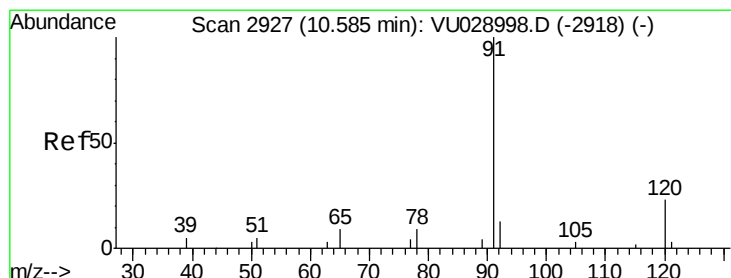
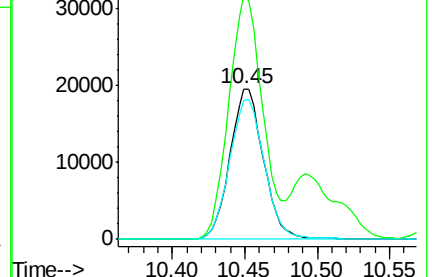
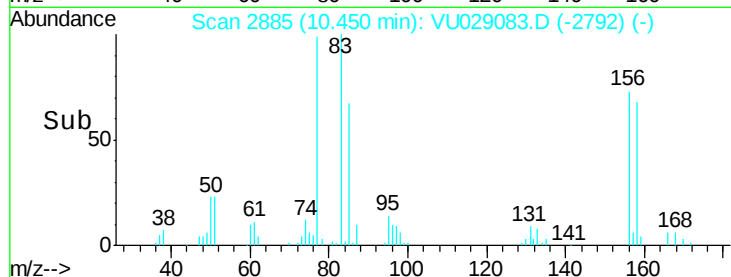
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.375 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029083.D

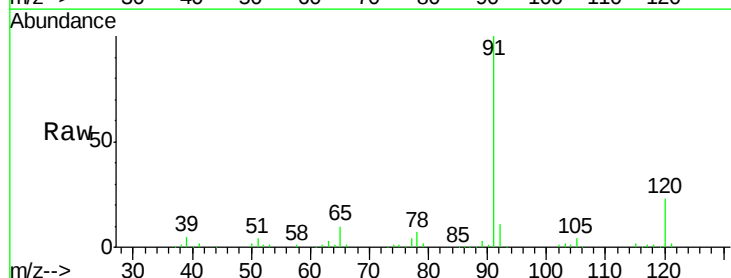
Acq: 09 Jan 2019 10:26

Tgt Ion: 91 Resp: 144626

Ion Ratio Lower Upper

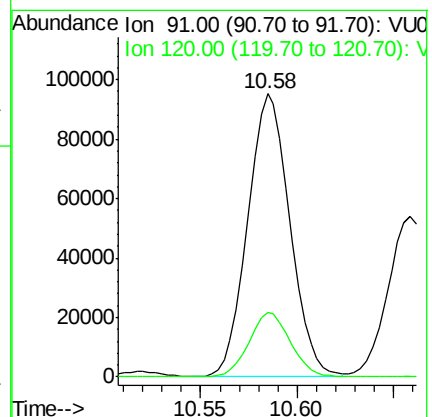
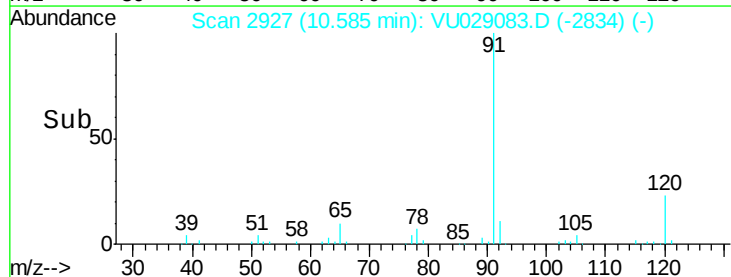
91 100

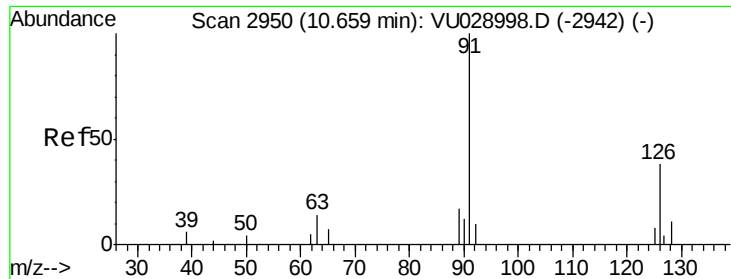
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.385 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion: 91 Resp: 87776

Ion Ratio Lower Upper

91 100

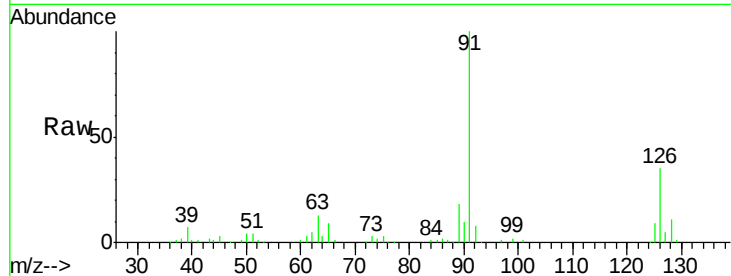
126 33.7 16.8 50.4

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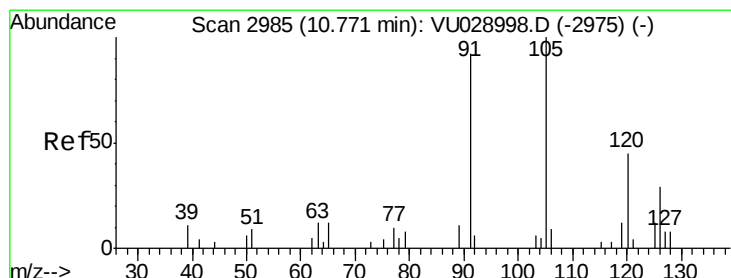
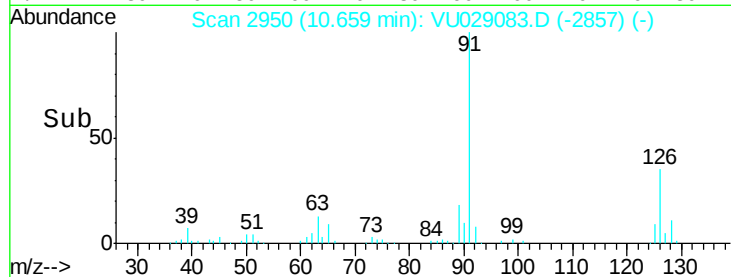
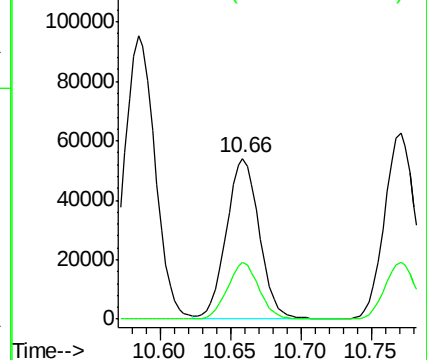
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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.705 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029083.D

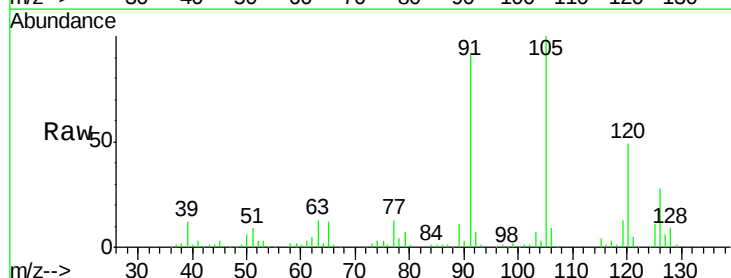
Acq: 09 Jan 2019 10:26

Tgt Ion: 105 Resp: 104143

Ion Ratio Lower Upper

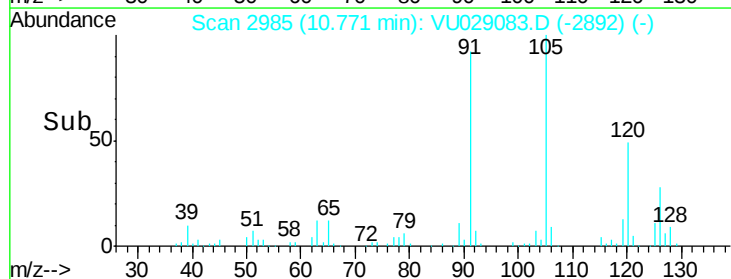
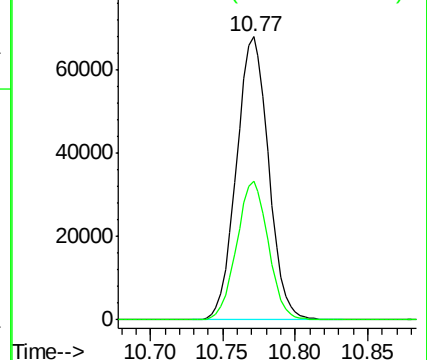
105 100

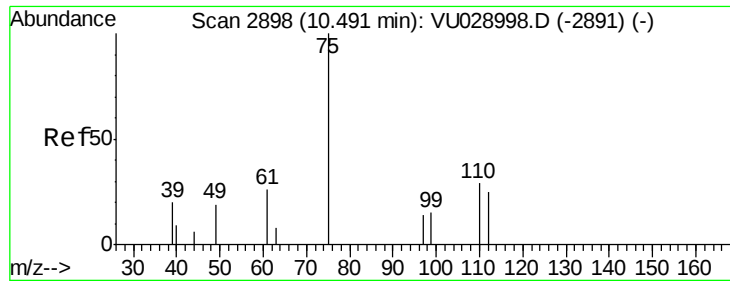
120 48.2 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.884 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

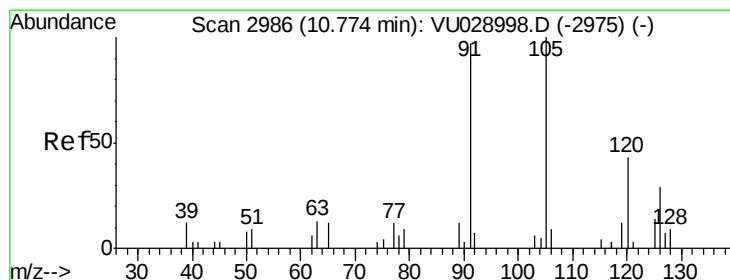
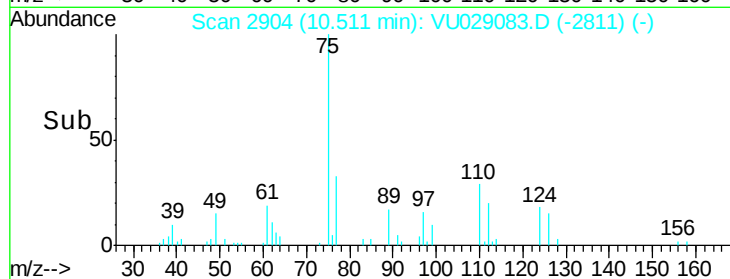
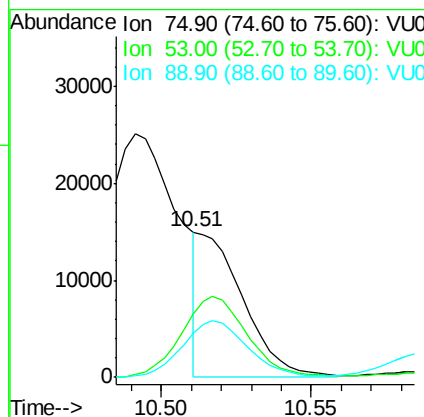
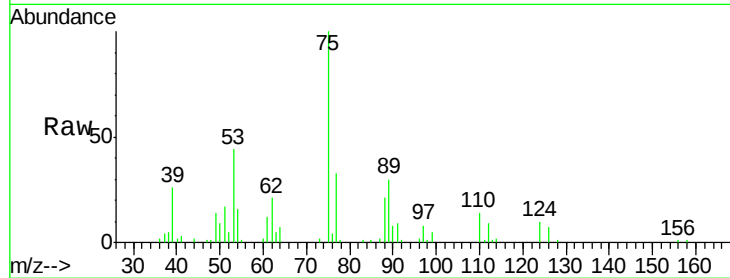
ClientSampleId :

VU0109WBS01

Tot Ion:	75	Resp:	15372
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 19.665 ug/l

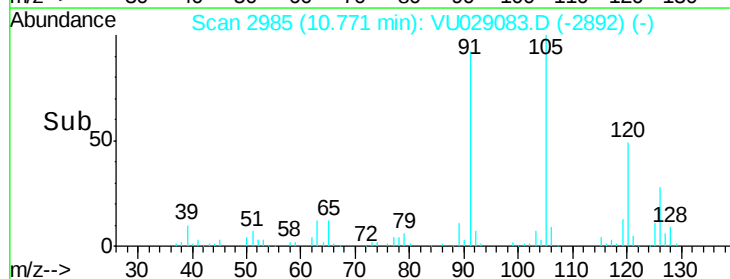
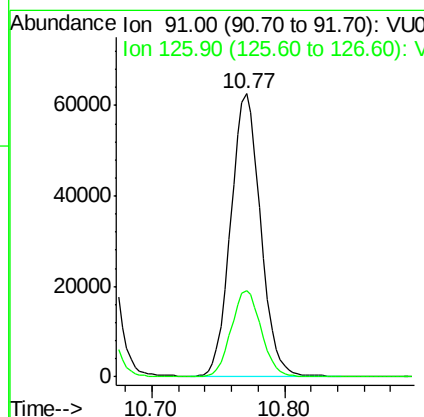
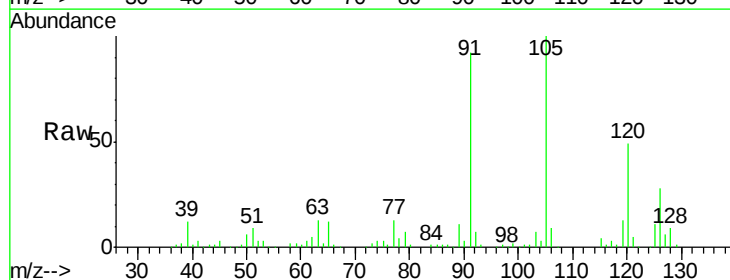
RT: 10.77 min Scan# 2985

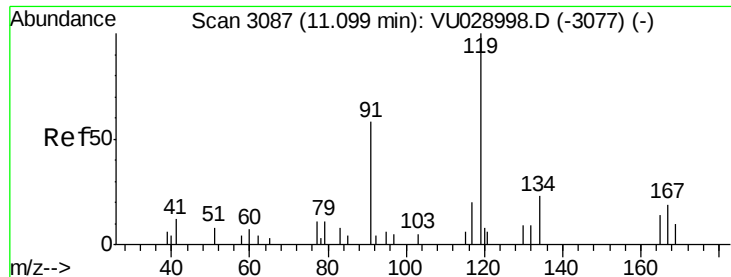
Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Tgt Ion:	91	Resp:	97094
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.5	46.5





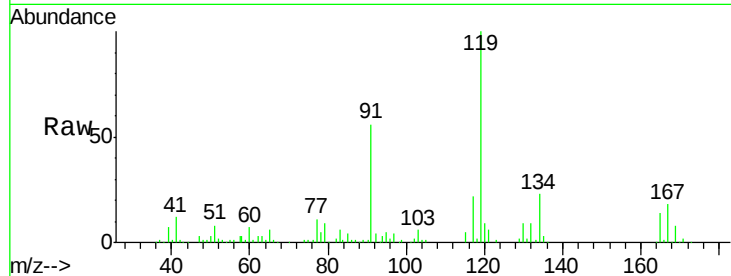
#83
tert-Butylbenzene
Concen: 19.785 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

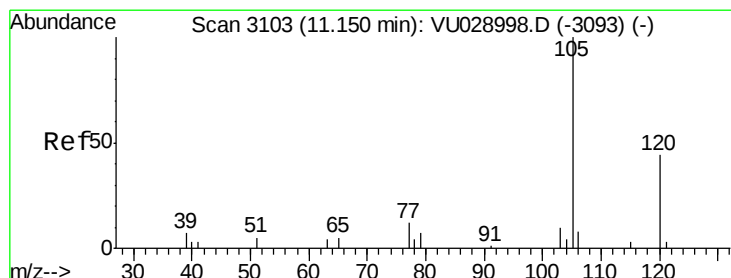
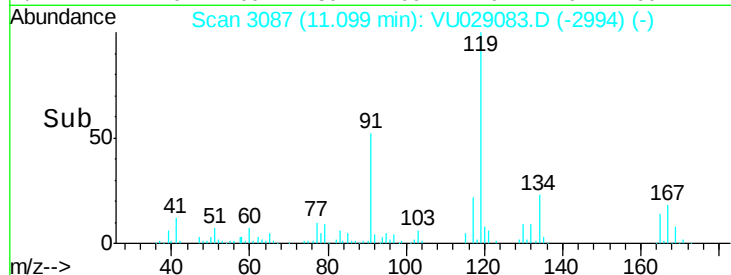
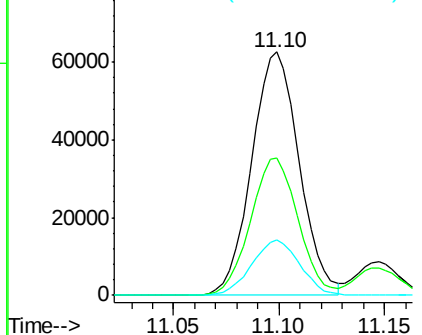
Tot Ion	Ratio	Resp	Lower	Upper
119	100	98085		
91	56.7	28.2	84.6	
134	23.0	11.3	33.8	

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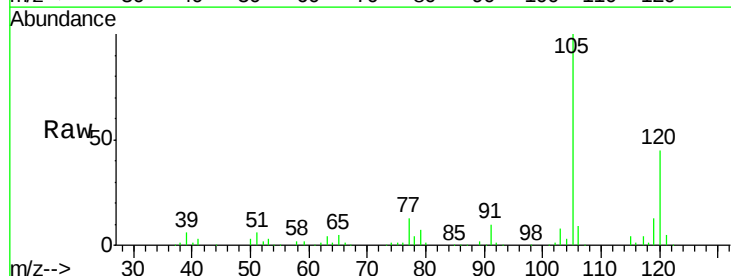


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

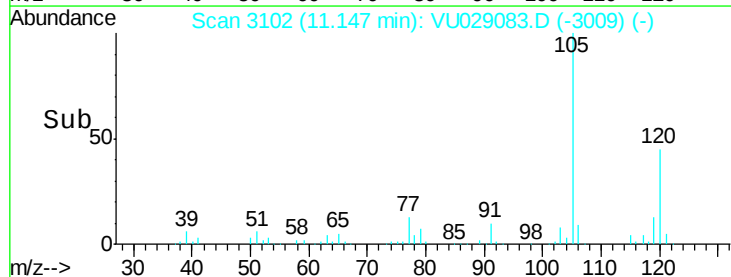
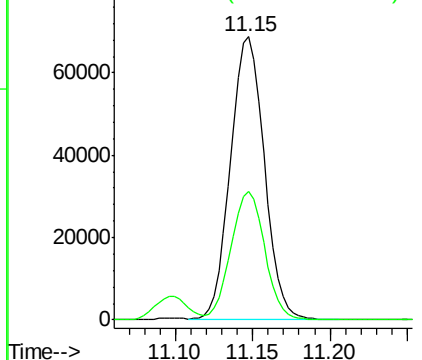


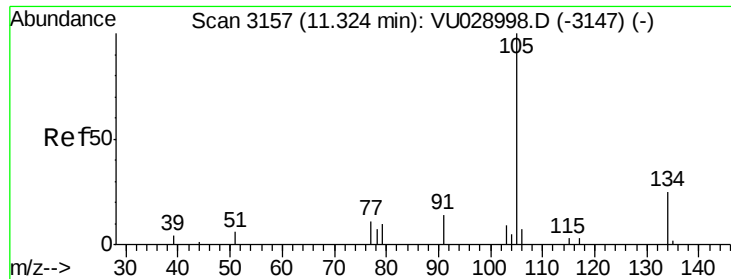
#84
1,2,4-Trimethylbenzene
Concen: 20.705 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	103980		
120	45.5	23.1	69.3	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.856 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBS01

Tot Ion:105 Resp: 125049

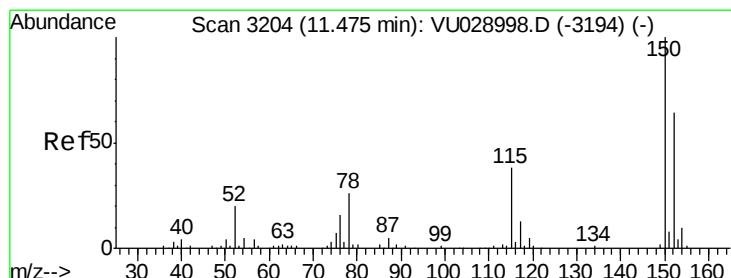
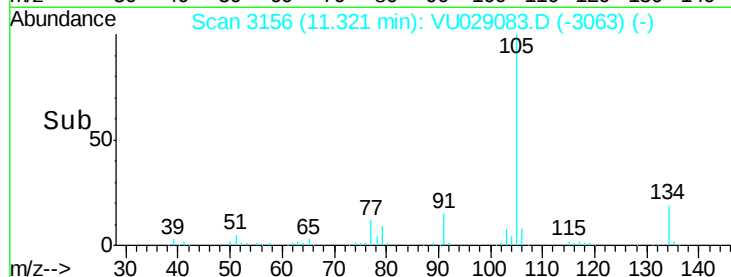
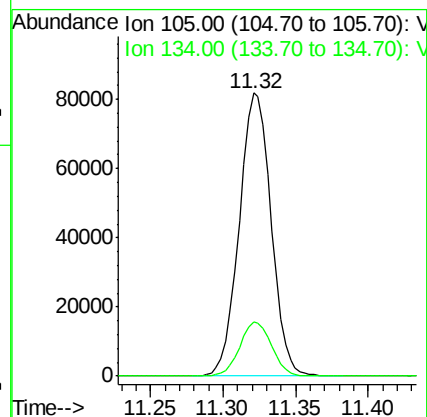
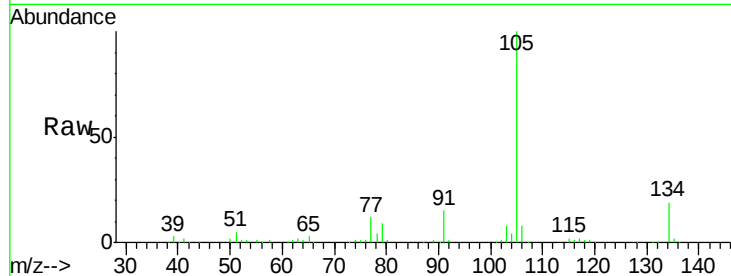
Ion Ratio Lower Upper

105 100

134 19.1 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 20.348 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU029083.D

Acq: 09 Jan 2019 10:26

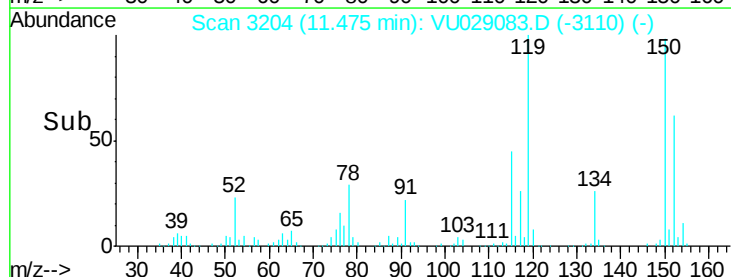
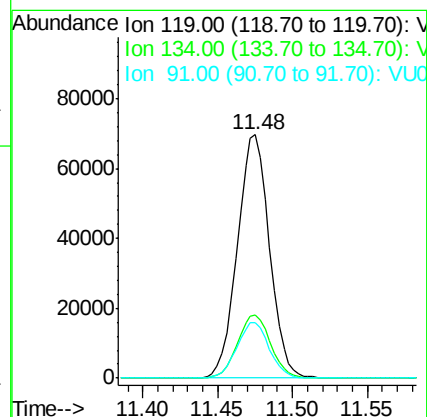
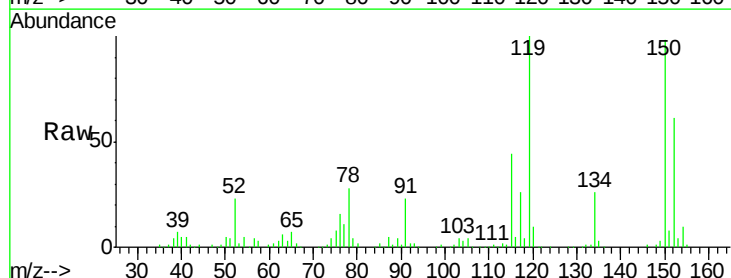
Tgt Ion:119 Resp: 103960

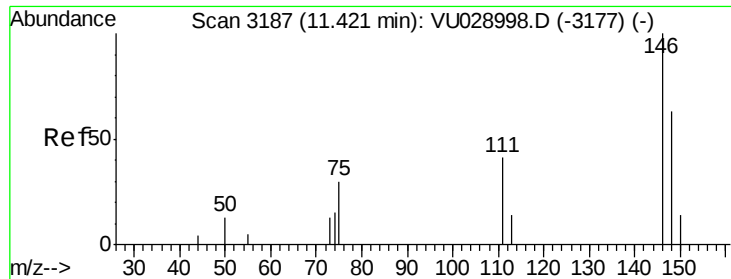
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 23.2 11.3 33.8





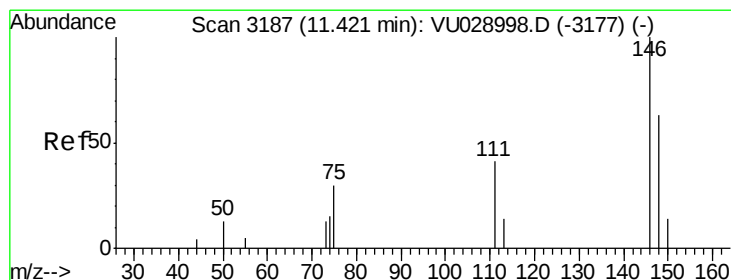
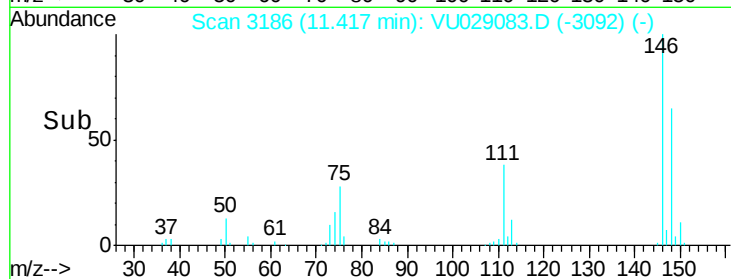
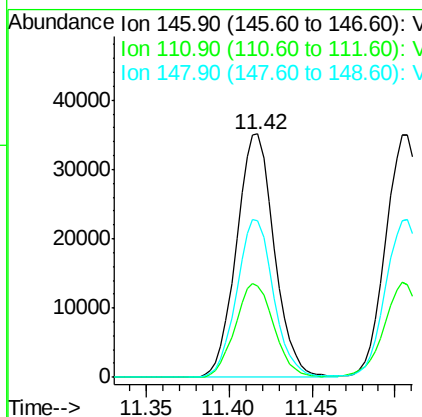
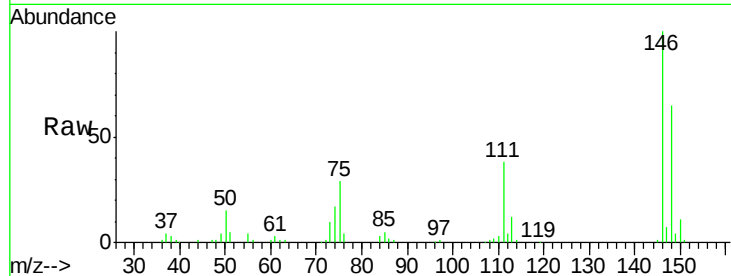
#87
 1,3-Dichlorobenzene
 Concen: 19.366 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.8
148	63.2	32.5	97.5

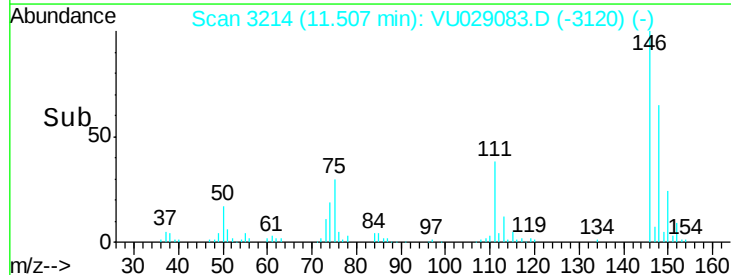
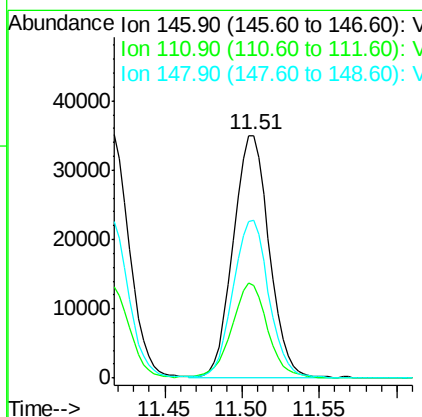
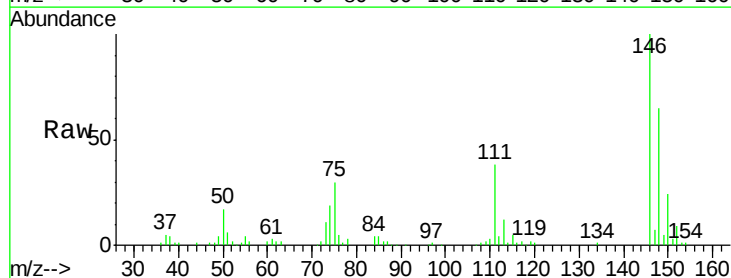
Manual Integrations
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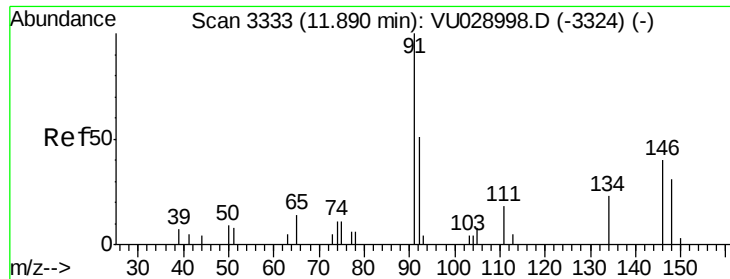
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#88
 1,4-Dichlorobenzene
 Concen: 18.917 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.3
148	65.7	32.6	98.0





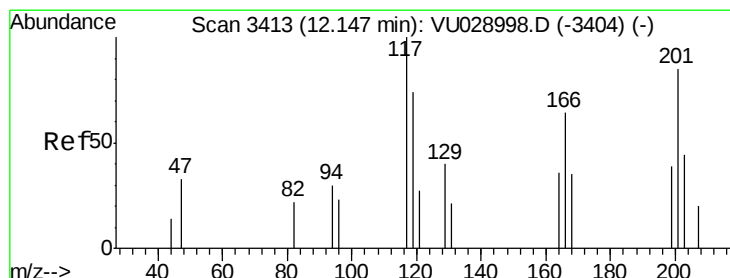
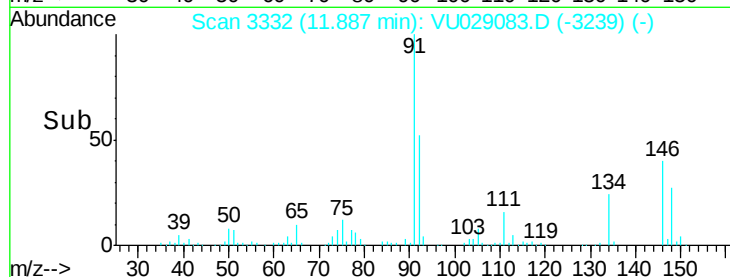
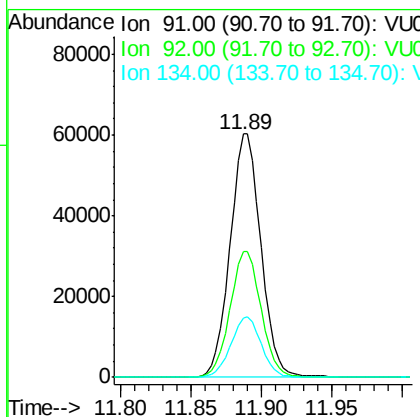
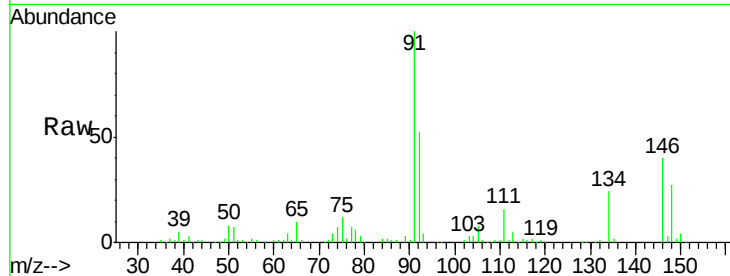
#89
n-Butylbenzene
Concen: 20.230 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
92	52.1	26.2	78.5		
134	24.6	12.6	37.6		

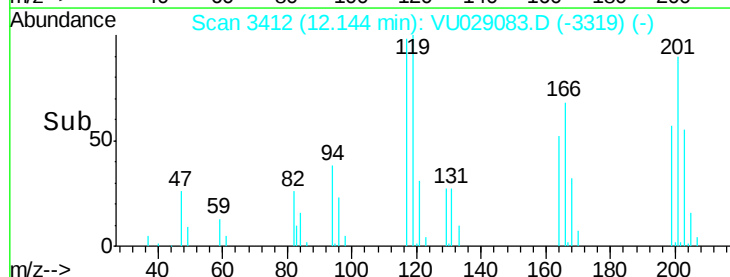
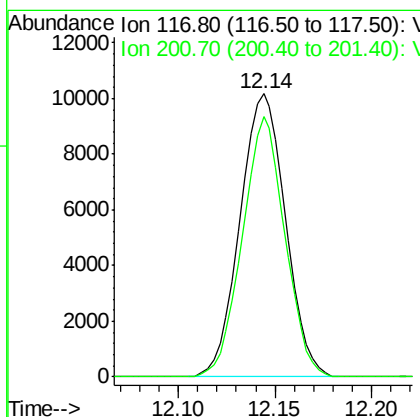
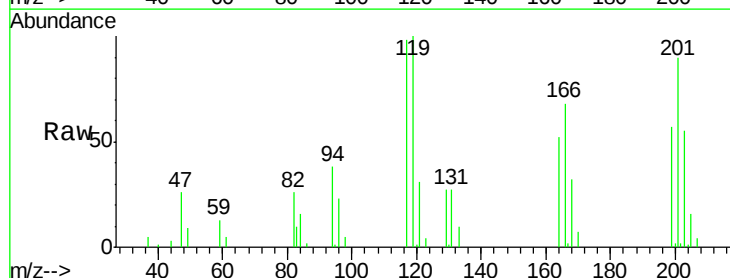
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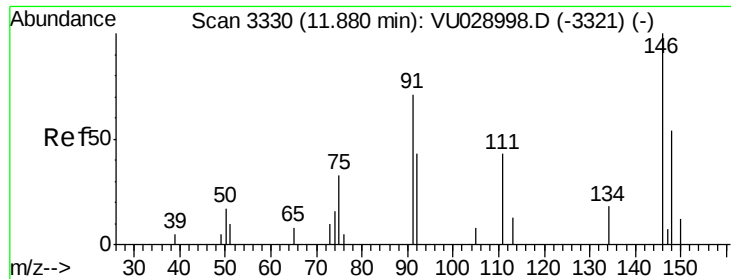
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#90
Hexachloroethane
Concen: 19.335 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
201	86.1	42.4	127.3		





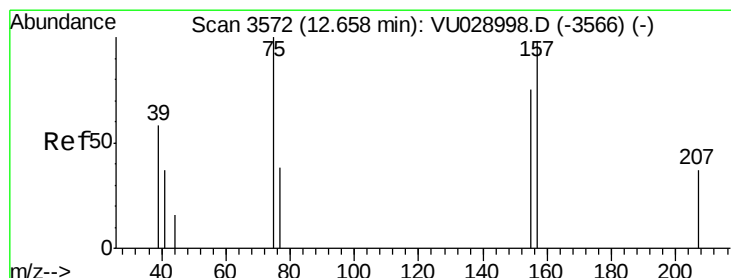
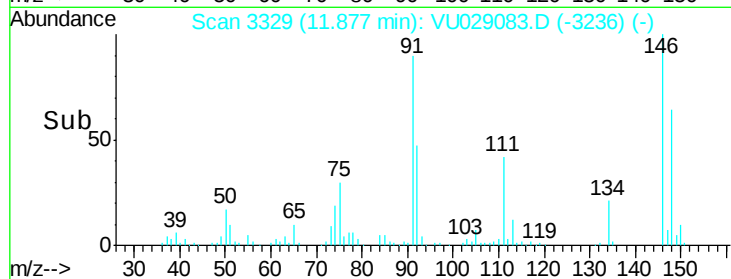
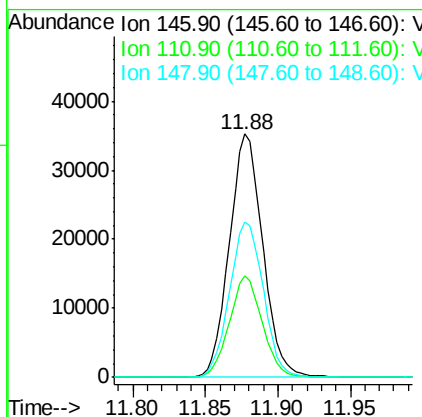
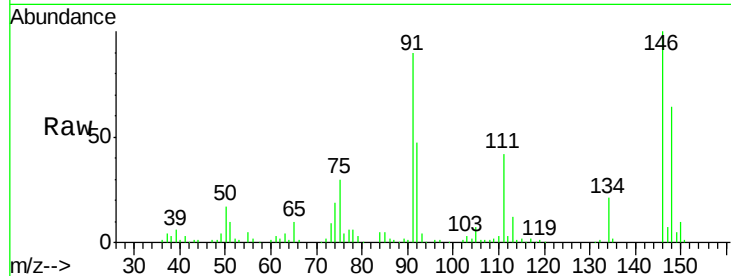
#91
 1,2-Dichlorobenzene
 Concen: 19.499 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.0	59.9
148	64.2	31.6	94.8

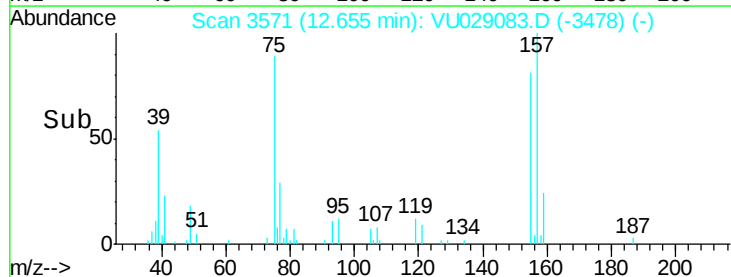
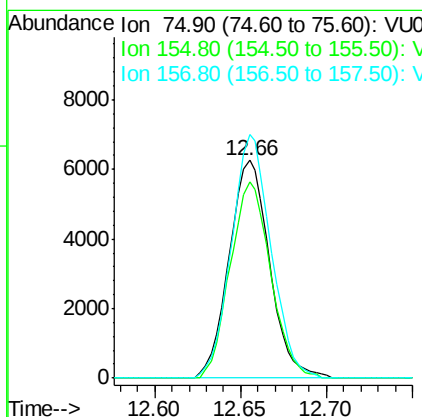
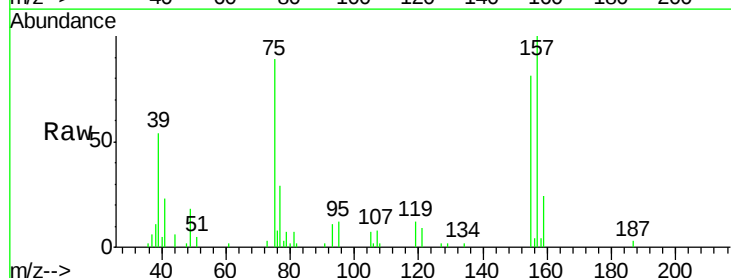
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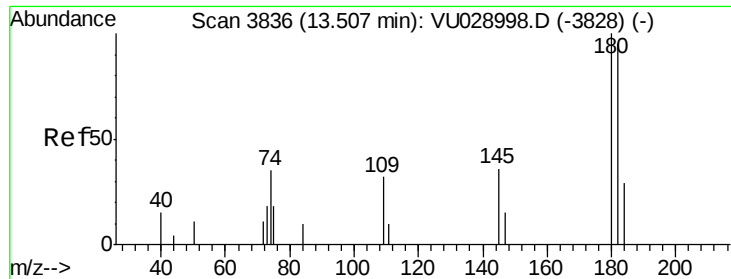
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.054 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	46.3	138.8
157	109.2	57.4	172.0





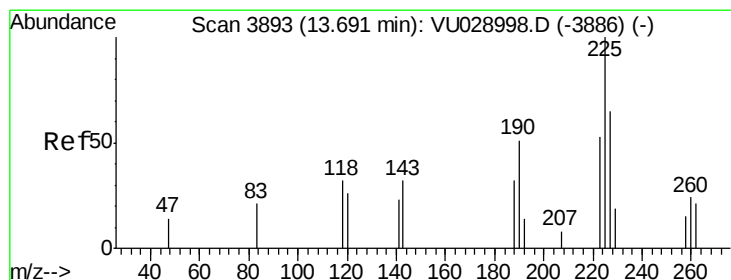
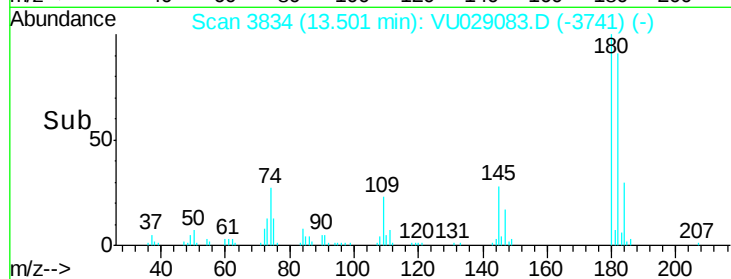
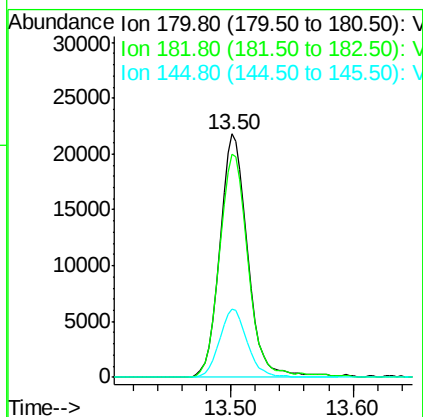
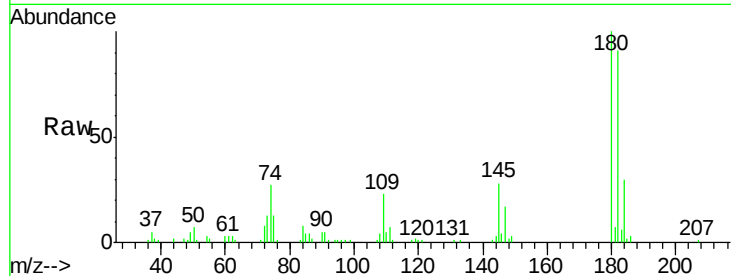
#93
 1,2,4-Trichlorobenzene
 Concen: 18.907 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	27.8	14.0	42.0

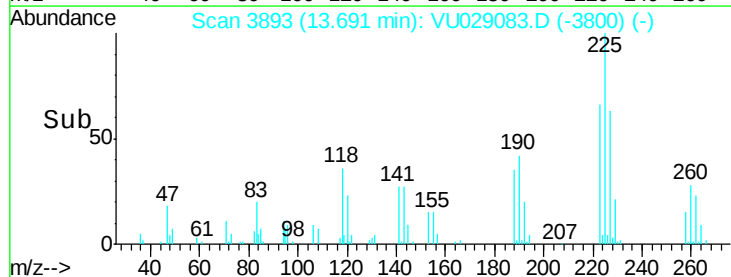
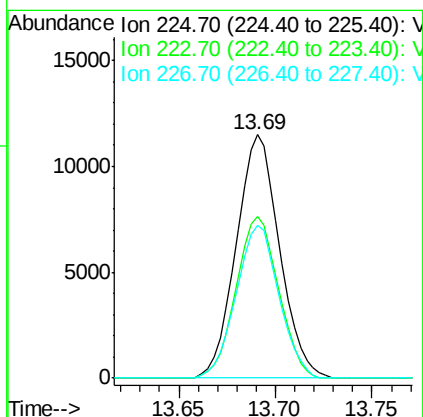
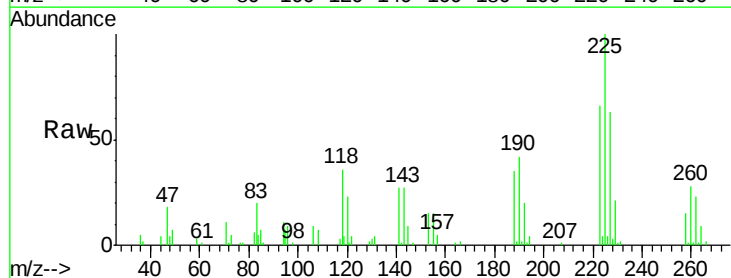
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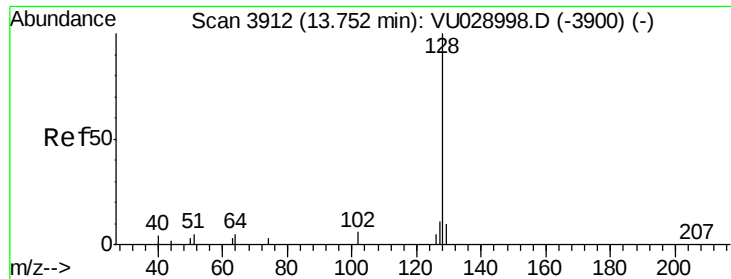
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#94
 Hexachlorobutadiene
 Concen: 21.098 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029083.D
 Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.4	94.0
227	62.2	31.9	95.5





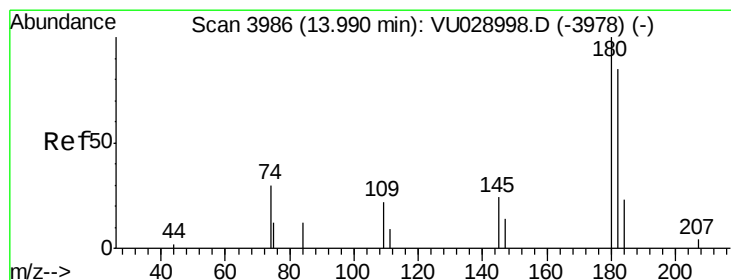
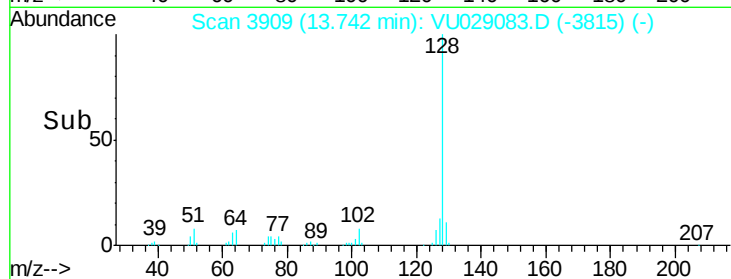
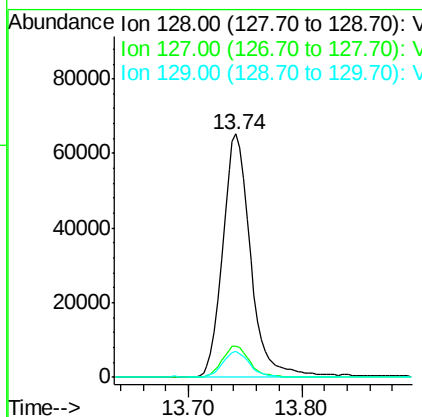
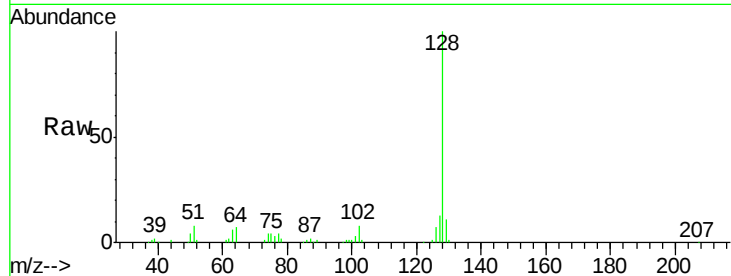
#95
Naphthalene
Concen: 17.827 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.2	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 19.741 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029083.D
Acq: 09 Jan 2019 10:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.1	144.3
145	28.6	14.8	44.4

