

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029084.D
 Acq On : 09 Jan 2019 10:50
 Operator : MD/SY
 Sample : VU0109WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:38:36 AM

Quant Time: Jan 10 04:41:57 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	113977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	187817	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	74698	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	4.88	113	63018	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	7.56	98	241937	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	10.30	95	81854	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22628	20.019	ug/l	97
3) Chloromethane	1.33	50	35517	19.257	ug/l	99
4) Vinyl Chloride	1.40	62	33731	20.250	ug/l	97
5) Bromomethane	1.62	94	19452	20.949	ug/l	98
6) Chloroethane	1.69	64	20079	20.237	ug/l	98
7) Trichlorofluoromethane	1.88	101	36771	20.259	ug/l	98
8) Diethyl Ether	2.10	74	17518	20.089	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24549	20.214	ug/l	99
10) Methyl Iodide	2.41	142	24110	21.113	ug/l	98
11) Tert butyl alcohol	2.83	59	37275	104.079	ug/l	99
12) 1,1-Dichloroethene	2.28	96	23917	20.233	ug/l	99
13) Acrolein	2.19	56	27058	100.615	ug/l	98
14) Allyl chloride	2.59	41	41682	19.218	ug/l	91
15) Acrylonitrile	2.94	53	96557	109.893	ug/l	99
16) Acetone	2.32	43	88868	100.122	ug/l	98
17) Carbon Disulfide	2.48	76	75631	18.975	ug/l	99
18) Methyl Acetate	2.61	43	47348	22.942	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	84794	20.403	ug/l	99
20) Methylene Chloride	2.70	84	29902	19.842	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	26478	19.279	ug/l	97
22) Diisopropyl ether	3.57	45	91023	21.234	ug/l	95
23) Vinyl Acetate	3.52	43	372578	106.318	ug/l	99
24) 1,1-Dichloroethane	3.45	63	51771	20.921	ug/l	99
25) 2-Butanone	4.26	43	132450	110.482	ug/l	99
26) 2,2-Dichloropropane	4.22	77	41112	20.561	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	29706	19.776	ug/l	96
28) Bromochloromethane	4.55	49	22499	21.233	ug/l	96
29) Tetrahydrofuran	4.64	42	82930	114.054	ug/l	97
30) Chloroform	4.67	83	48957	20.771	ug/l	99
31) Cyclohexane	4.99	56	47567	19.682	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	39900	20.487	ug/l	99
36) 1,1-Dichloropropene	5.14	75	36291	19.331	ug/l	99
37) Ethyl Acetate	4.38	43	45235	21.952	ug/l	98
38) Carbon Tetrachloride	5.13	117	32259	20.603	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	44341	19.213	ug/l	98
40) Benzene	5.39	78	116598	19.911	ug/l	99
41) Methacrylonitrile	4.54	41	24031	21.786	ug/l	100
42) 1,2-Dichloroethane	5.40	62	37277	21.185	ug/l	98
43) Isopropyl Acetate	5.55	43	69393	21.953	ug/l	99
44) Trichloroethene	6.18	130	28234	19.459	ug/l	99
45) 1,2-Dichloropropane	6.43	63	32321	20.901	ug/l	97
46) Dibromomethane	6.56	93	20185	20.419	ug/l	98
47) Bromodichloromethane	6.76	83	37734	20.732	ug/l	98
48) Methyl methacrylate	6.62	41	33418	21.711	ug/l	98
49) 1,4-Dioxane	6.61	88	14976	410.567	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	235577	109.506	ug/l	100
52) Toluene	7.64	92	70587	19.801	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	43336	19.820	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	47658	20.172	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	30167	21.123	ug/l	98
56) Ethyl methacrylate	8.02	69	43309	19.684	ug/l	97
57) 1,3-Dichloropropane	8.24	76	50475	20.655	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	94286	97.442	ug/l	99
59) 2-Hexanone	8.36	43	183215	108.497	ug/l	98
60) Dibromochloromethane	8.48	129	28234	19.955	ug/l	98
61) 1,2-Dibromoethane	8.58	107	31197	20.141	ug/l	100
64) Tetrachloroethene	8.22	164	25601	20.383	ug/l	98
65) Chlorobenzene	9.12	112	76159	19.487	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	26047	20.537	ug/l	98
67) Ethyl Benzene	9.25	91	128224	19.651	ug/l	99
68) m/p-Xylenes	9.37	106	100630	39.692	ug/l	97
69) o-Xylene	9.78	106	48089	19.686	ug/l	98
70) Styrene	9.79	104	78109	19.504	ug/l	100
71) Bromoform	9.96	173	22575	19.990	ug/l #	99
73) Isopropylbenzene	10.16	105	124673	19.826	ug/l	100
74) N-amyl acetate	10.01	43	56369	20.803	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	52675	20.901	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	43610m	20.950	ug/l	
77) Bromobenzene	10.45	156	32398	19.770	ug/l	99
78) n-propylbenzene	10.58	91	148984	20.104	ug/l	99
79) 2-Chlorotoluene	10.66	91	90029	20.027	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	103983	19.802	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	15196m	18.828	ug/l	
82) 4-Chlorotoluene	10.77	91	100955	19.585	ug/l	96
83) tert-Butylbenzene	11.10	119	102494	19.803	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	103691	19.778	ug/l	99
85) sec-Butylbenzene	11.32	105	125809	20.099	ug/l	99
86) p-Isopropyltoluene	11.48	119	106092	19.890	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	56430	18.774	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	57921	18.668	ug/l	99
89) n-Butylbenzene	11.89	91	94799	19.913	ug/l	99
90) Hexachloroethane	12.14	117	17173	19.138	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	58132	19.201	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10537	21.738	ug/l	96

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QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35856	18.553	ug/l	100
94) Hexachlorobutadiene	13.69	225	18031	20.398	ug/l	99
95) Naphthalene	13.74	128	118022	17.952	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	37747	19.454	ug/l	98

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

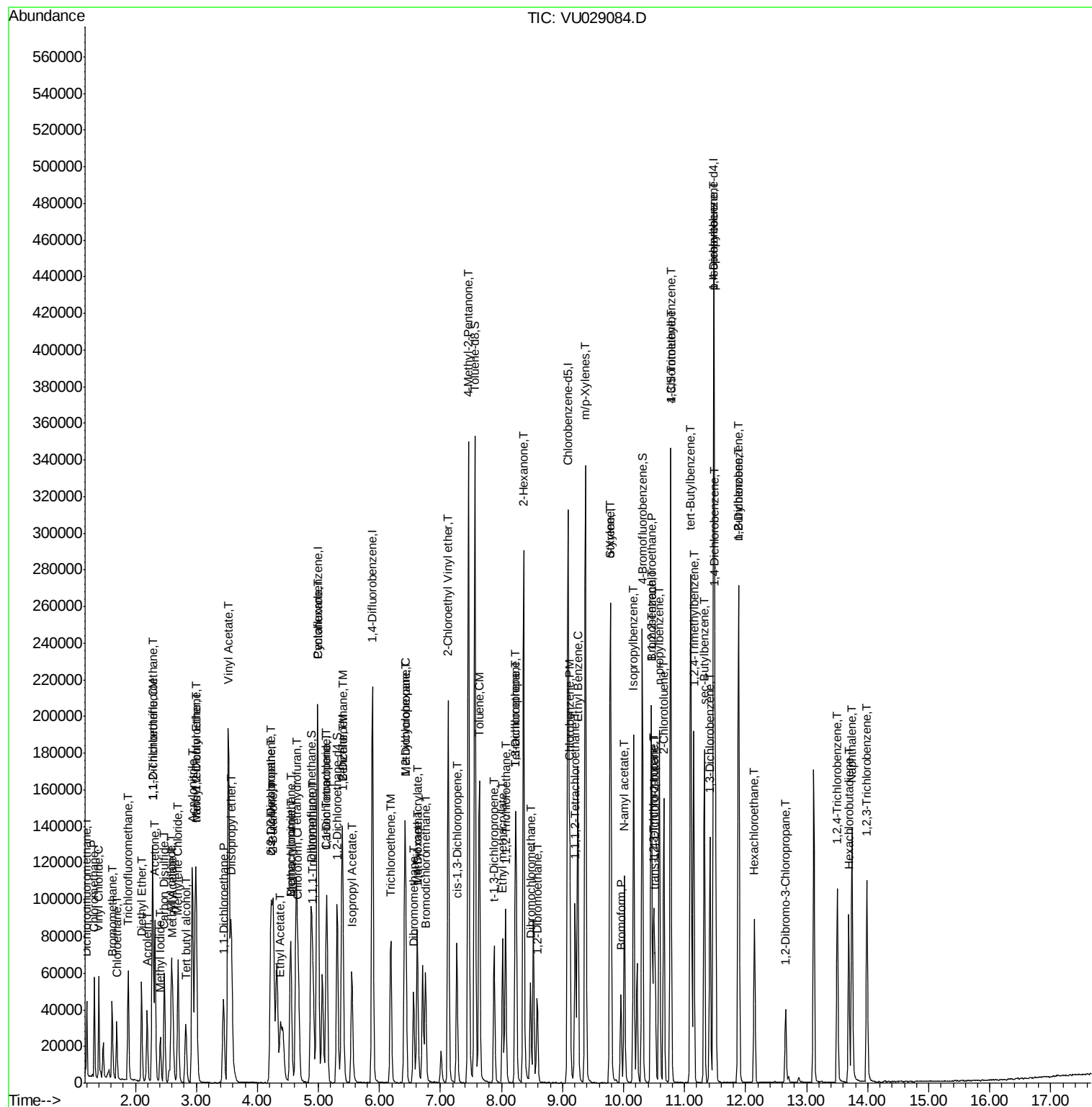
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Data File : VU029084.D
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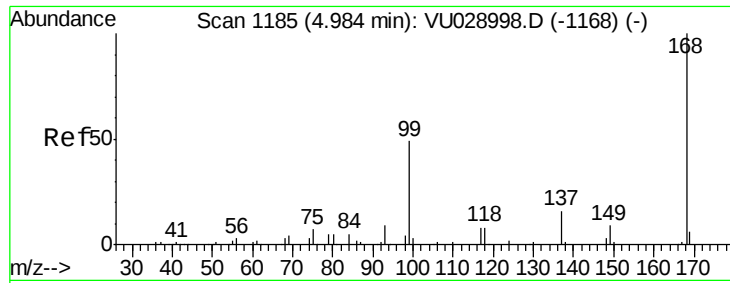
Instrument :
MSVOA_U
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VU0109WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion:168 Resp: 113977

Ion Ratio Lower Upper

168 100

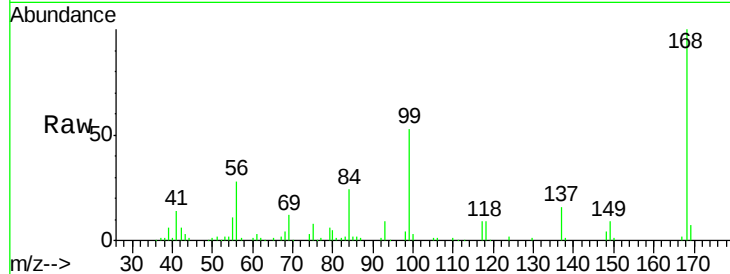
99 53.1 42.0 63.0

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

60000

50000

40000

30000

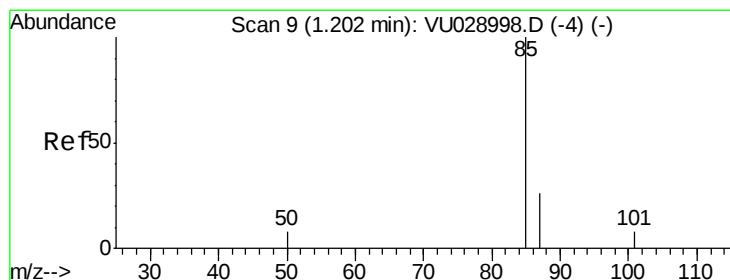
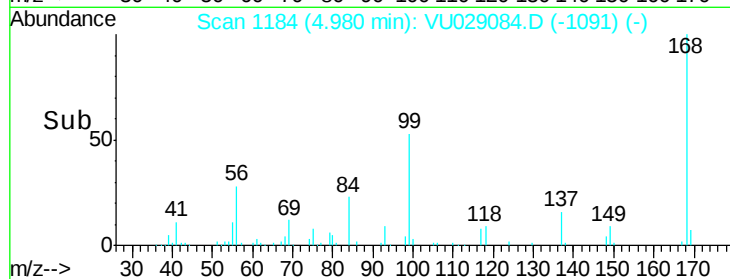
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.019 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029084.D

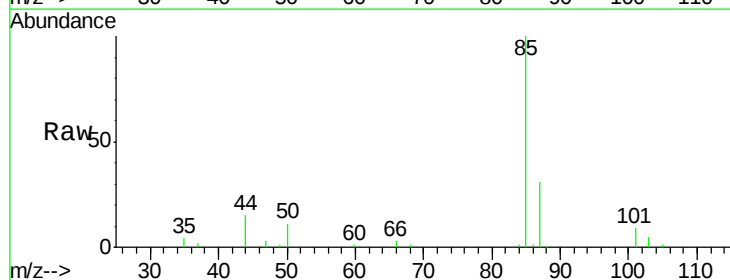
Acq: 09 Jan 2019 10:50

Tgt Ion: 85 Resp: 22628

Ion Ratio Lower Upper

85 100

87 30.9 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

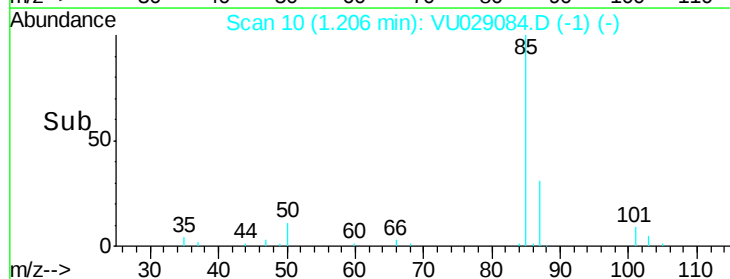
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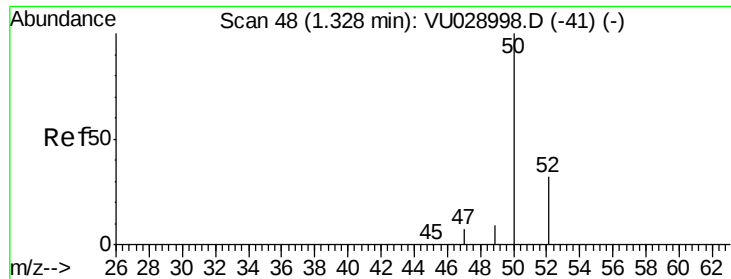
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.257 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion: 50 Resp: 35517

Ion Ratio Lower Upper

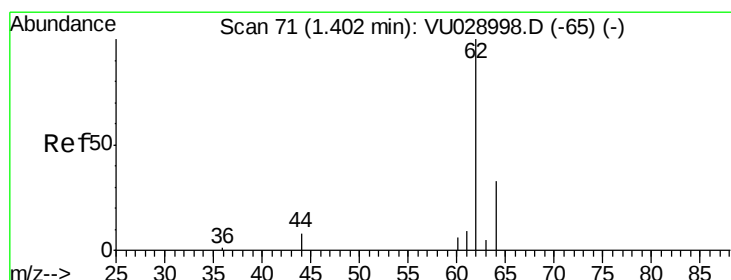
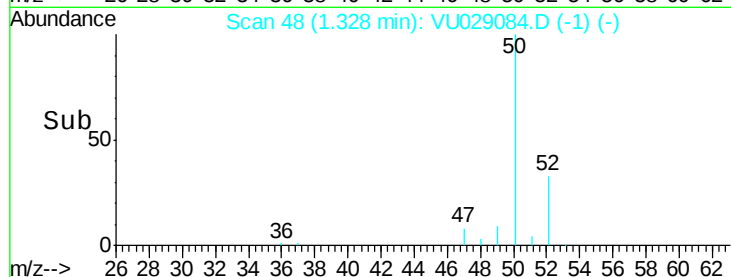
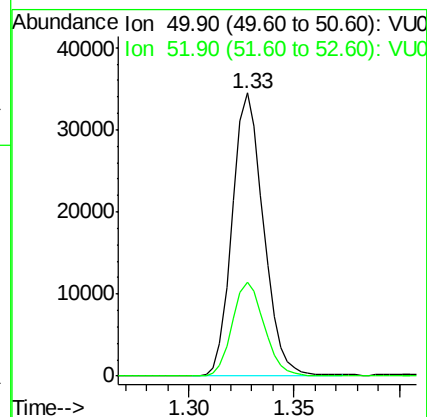
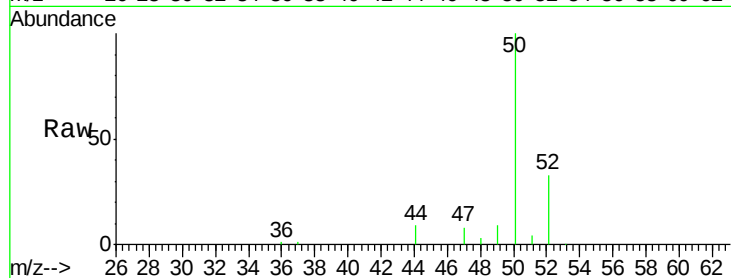
50 100

52 33.1 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.250 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029084.D

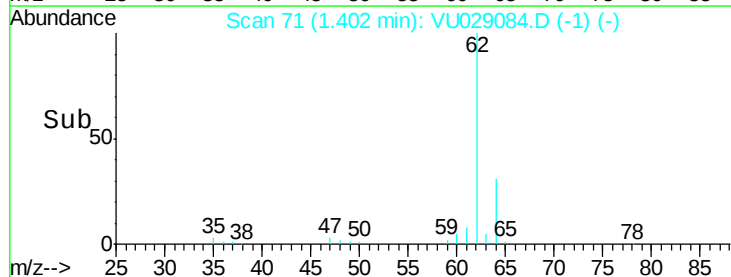
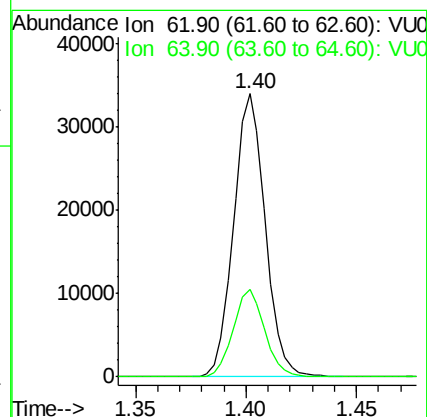
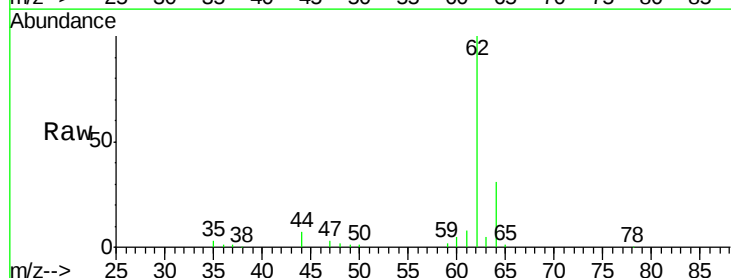
Acq: 09 Jan 2019 10:50

Tgt Ion: 62 Resp: 33731

Ion Ratio Lower Upper

62 100

64 30.9 25.9 38.9





#5

Bromomethane

Concen: 20.949 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion: 94 Resp: 19452

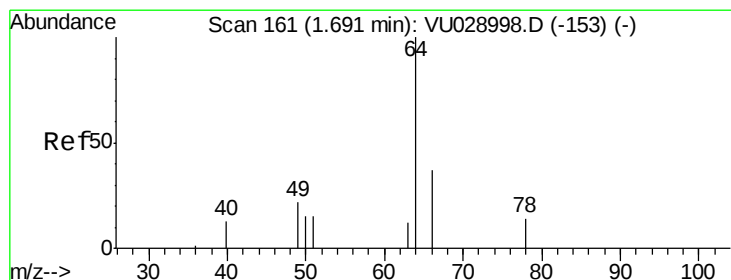
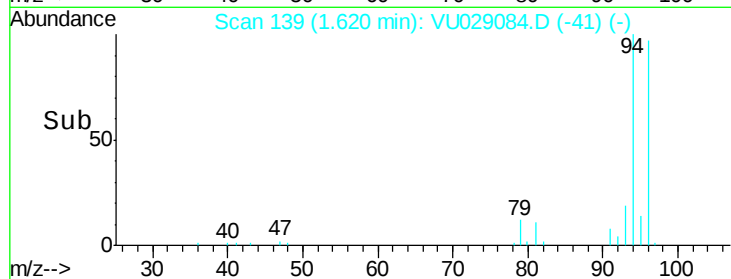
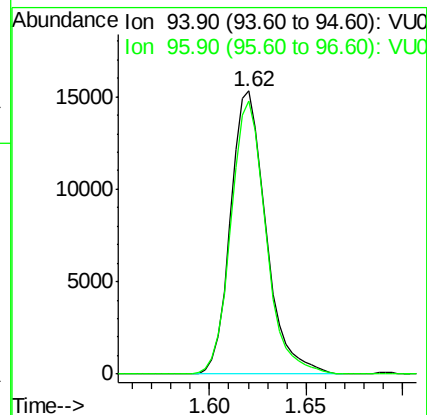
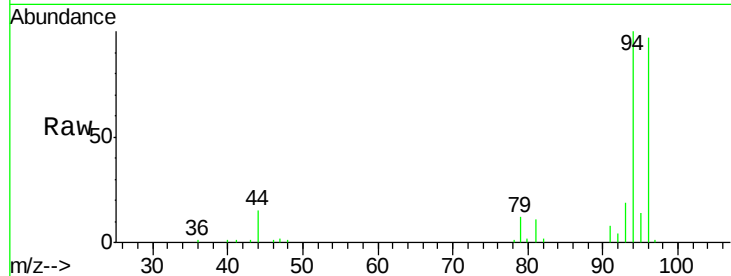
Ion Ratio Lower Upper

94 100

96 96.5 75.5 113.3

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#6

Chloroethane

Concen: 20.237 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029084.D

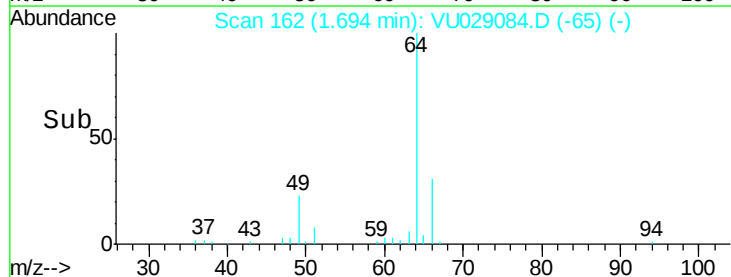
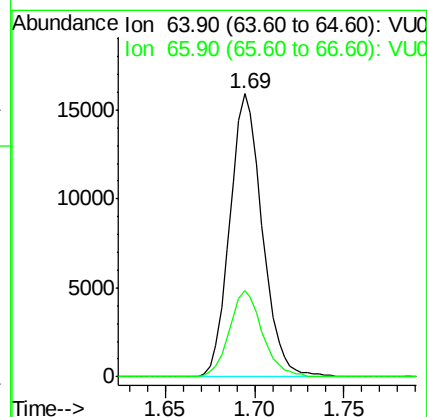
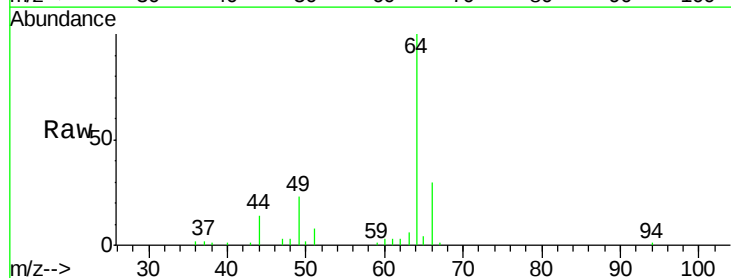
Acq: 09 Jan 2019 10:50

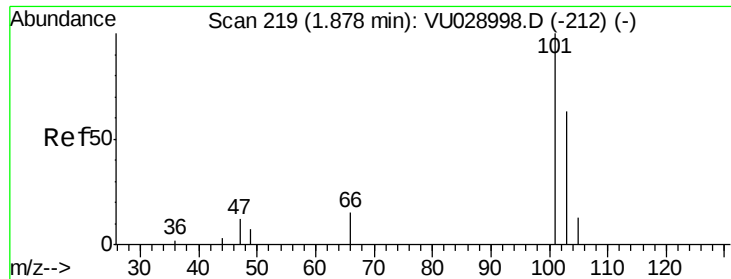
Tgt Ion: 64 Resp: 20079

Ion Ratio Lower Upper

64 100

66 30.4 25.2 37.8





#7

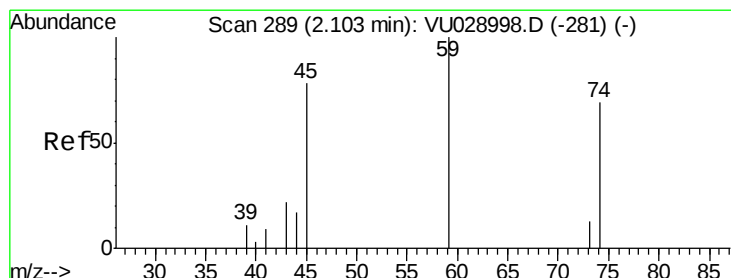
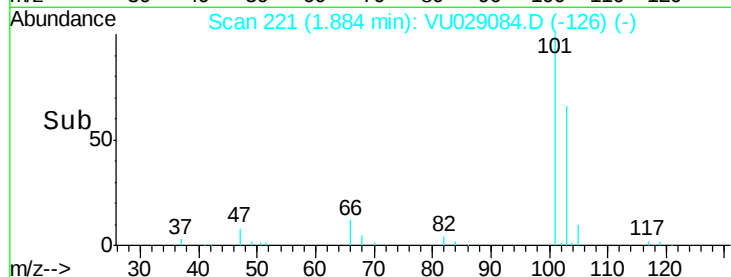
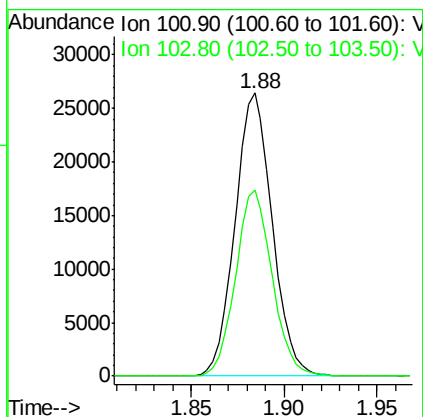
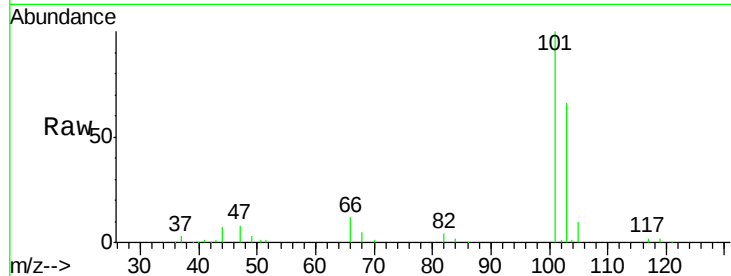
Trichlorofluoromethane
 Concen: 20.259 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBSD01

Tot Ion:101 Resp: 36771
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.5 77.3

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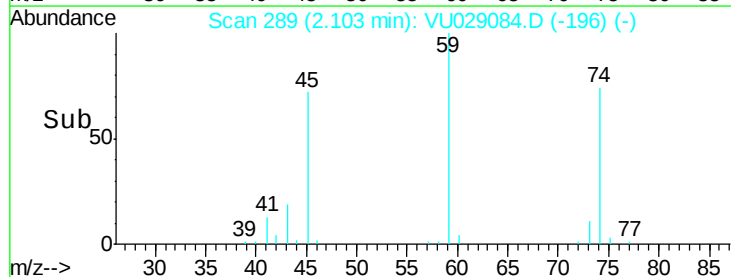
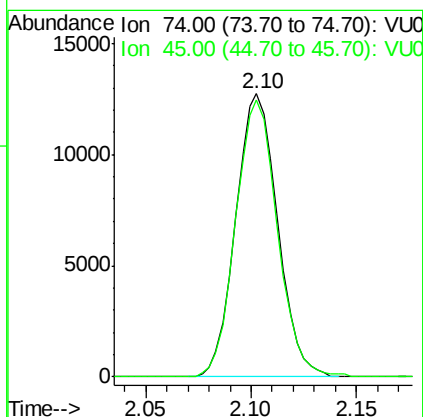
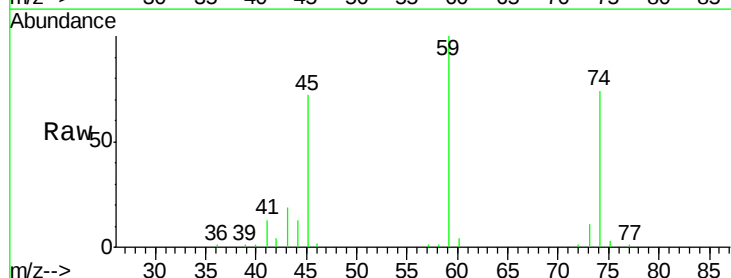
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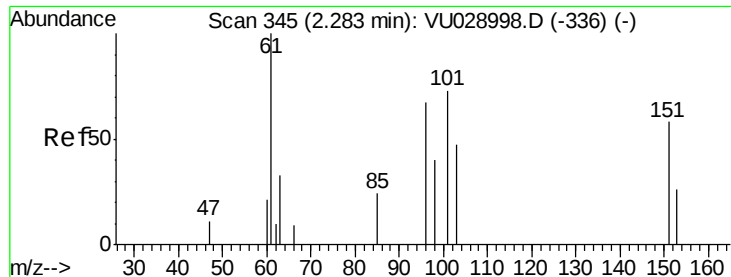


#8

Diethyl Ether
 Concen: 20.089 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Tgt Ion: 74 Resp: 17518
 Ion Ratio Lower Upper
 74 100
 45 97.7 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.214 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

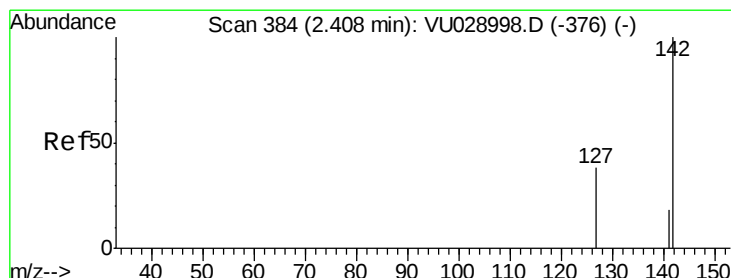
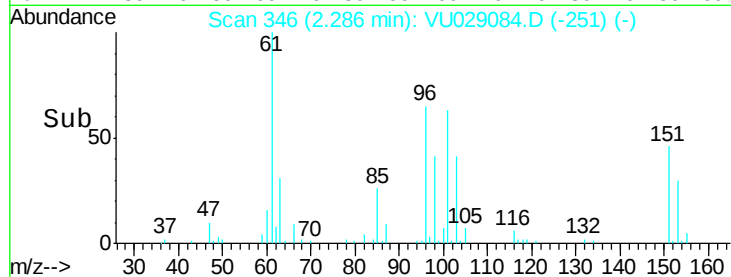
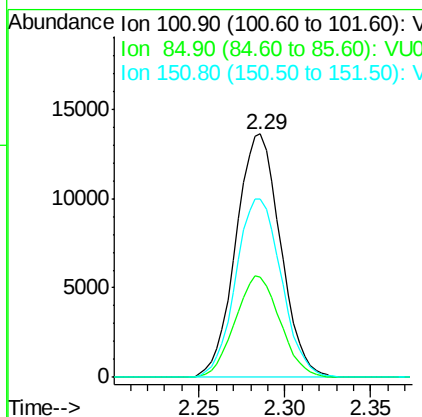
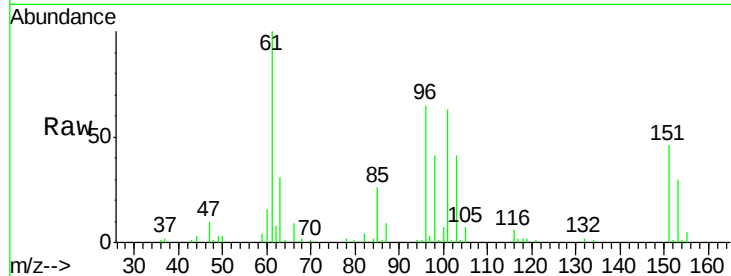
ClientSampleId :

VU0109WBSD01

Tot Ion:	101	Resp:	24549
Ion Ratio	Lower	Upper	
101	100		
85	42.1	35.1	52.7
151	75.1	60.2	90.2

Manual Integrations
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1/10/2019 9:38:36 AM



#10

Methyl Iodide

Concen: 21.113 ug/l

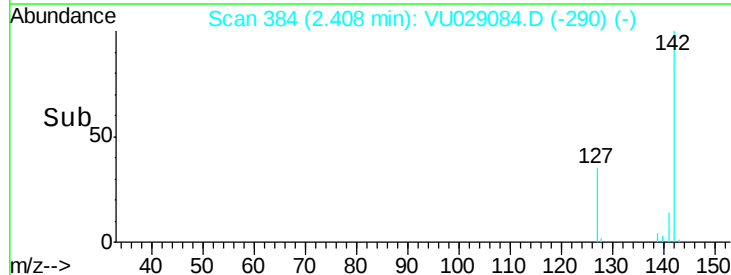
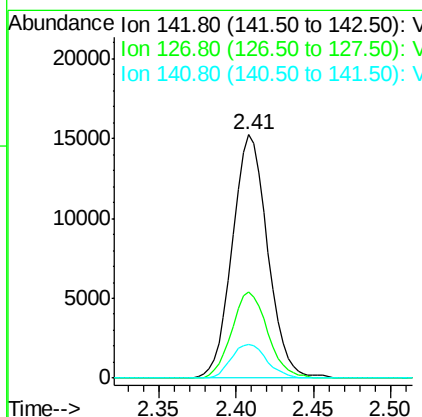
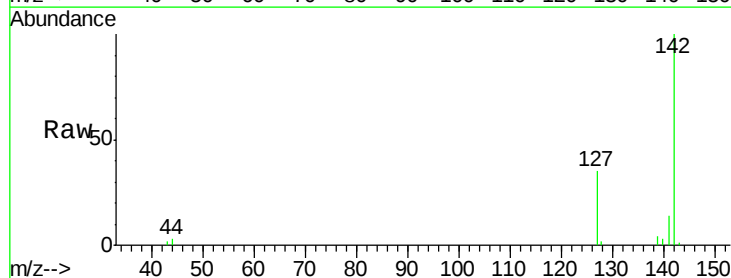
RT: 2.41 min Scan# 384

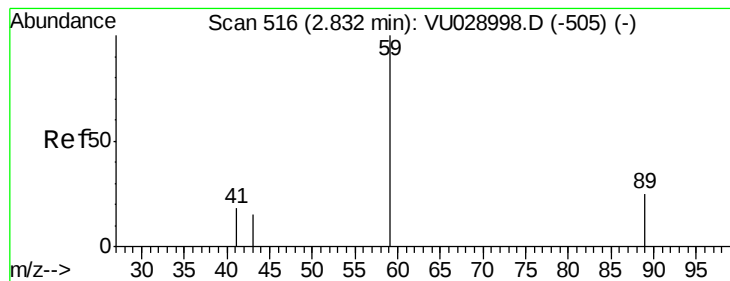
Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Tgt Ion:	142	Resp:	24110
Ion Ratio	Lower	Upper	
142	100		
127	36.0	29.8	44.6
141	14.0	11.5	17.3





#11

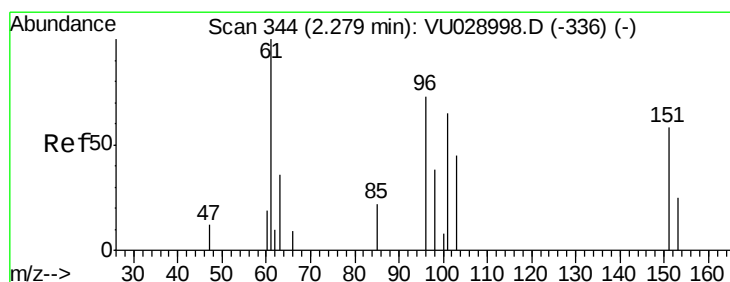
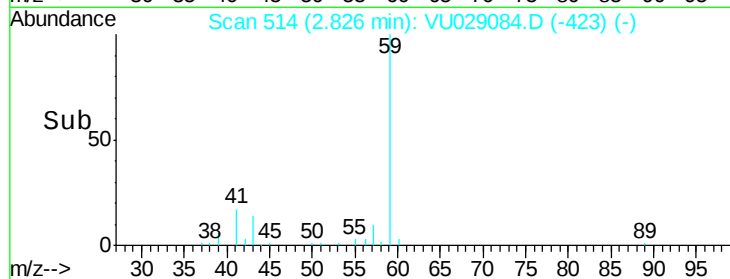
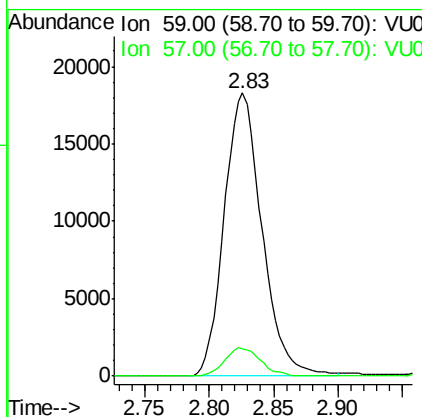
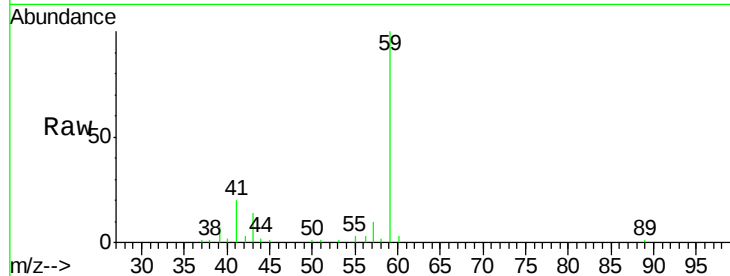
Tert butyl alcohol
Concen: 104.079 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.9	11.9

Manual Integrations
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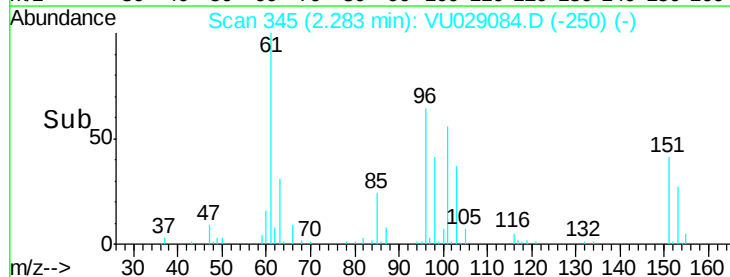
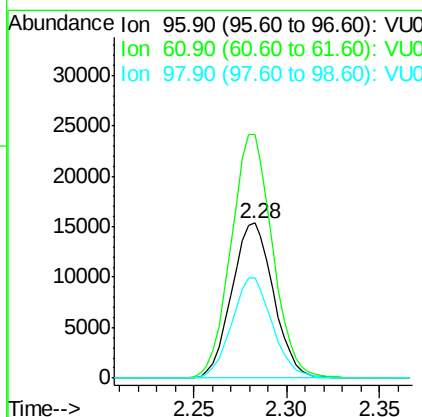
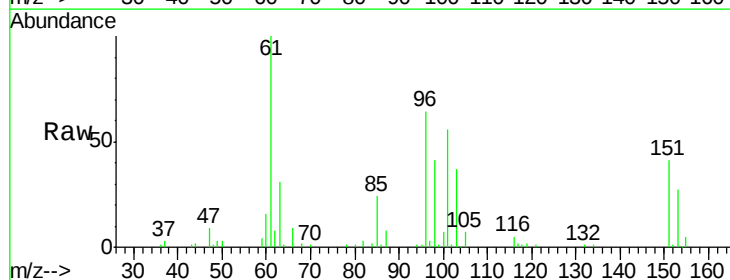
MMDadoda
1/10/2019 9:38:36 AM

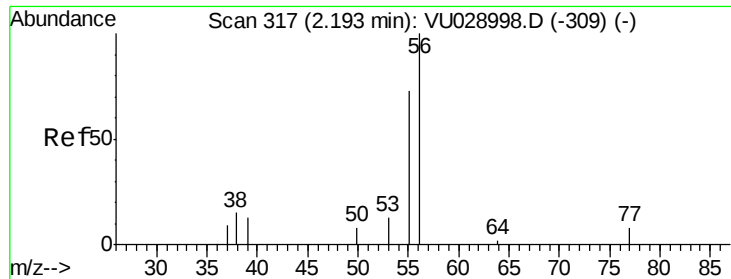


#12

1,1-Dichloroethene
Concen: 20.233 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.01 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	125.4	188.0
98	64.4	49.7	74.5





#13

Acrolein

Concen: 100.615 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion: 56 Resp: 27058

Ion Ratio Lower Upper

56 100

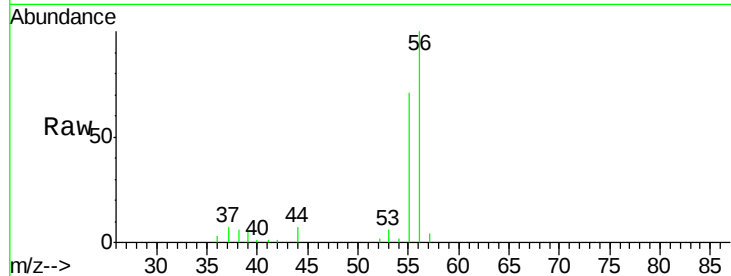
55 72.4 56.5 84.7

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

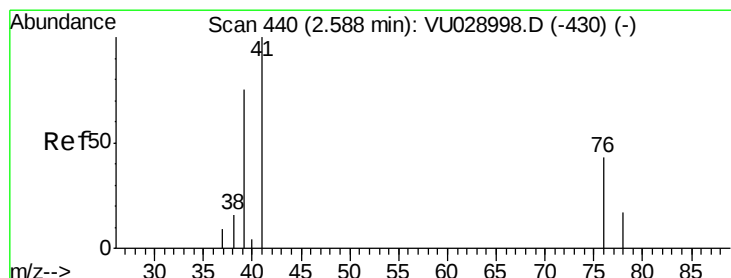
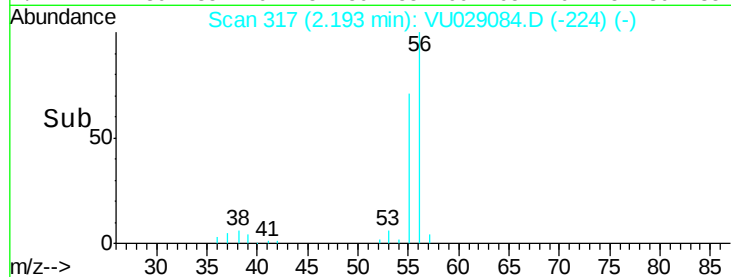
5000

0

Time-->

2.15 2.20 2.25

2.19



#14

Allyl chloride

Concen: 19.218 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

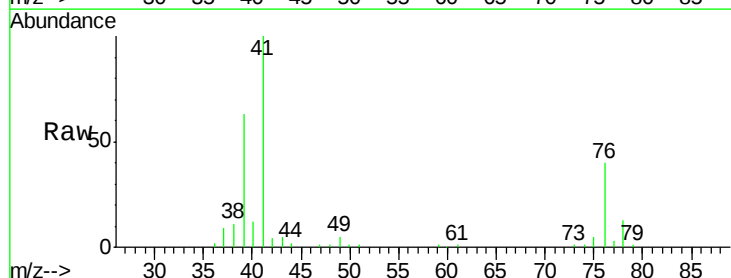
Tgt Ion: 41 Resp: 41682

Ion Ratio Lower Upper

41 100

39 63.7 45.0 67.6

76 38.7 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

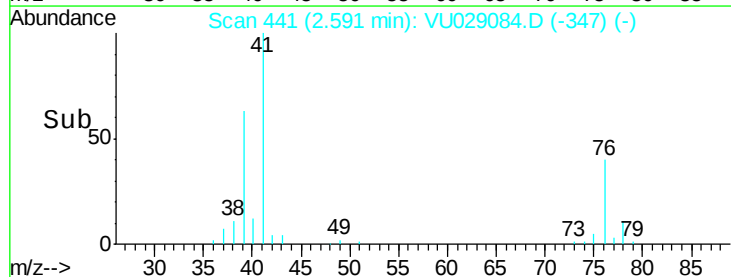
5000

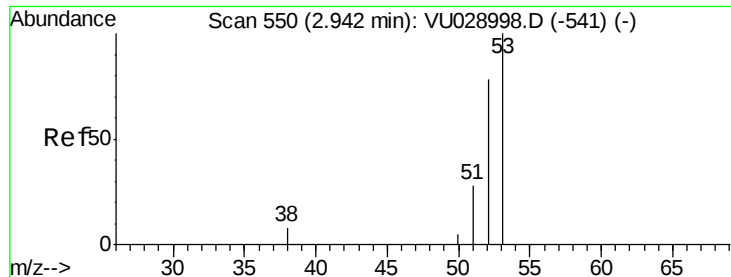
0

Time-->

2.55 2.60 2.65

2.59





#15

Acrylonitrile

Concen: 109.893 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

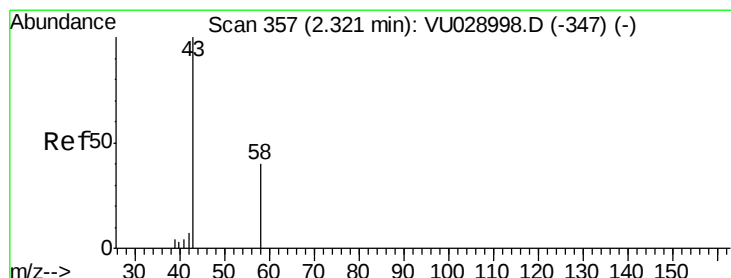
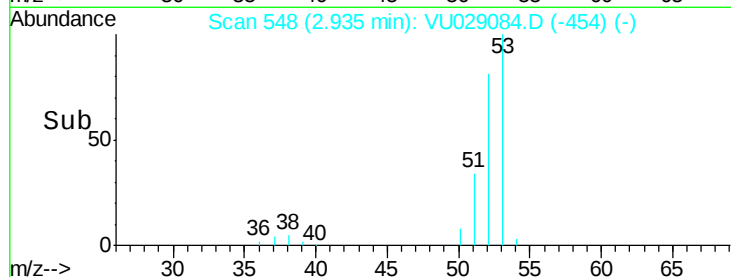
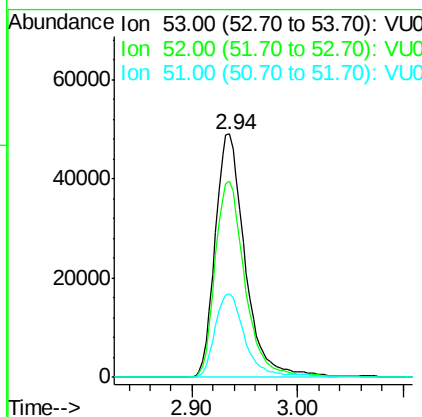
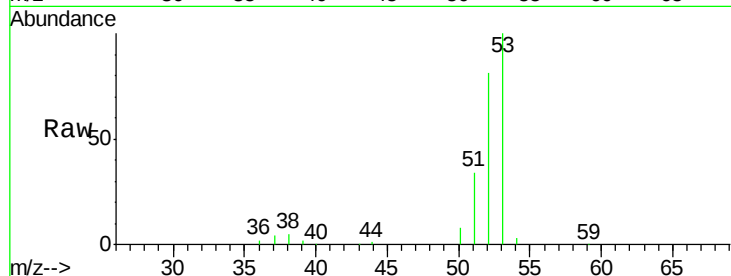
ClientSampleId :

VU0109WBSD01

Tot Ion:	53	Resp:	96557
Ion	Ratio	Lower	Upper
53	100		
52	79.6	64.8	97.2
51	33.8	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 100.122 ug/l

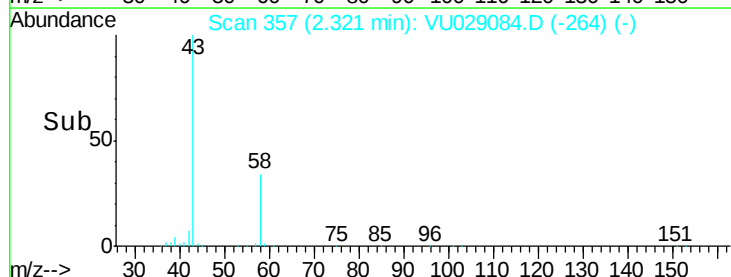
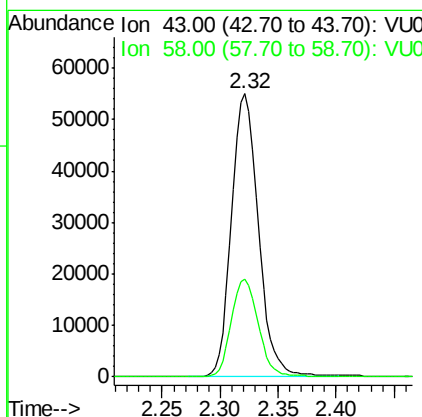
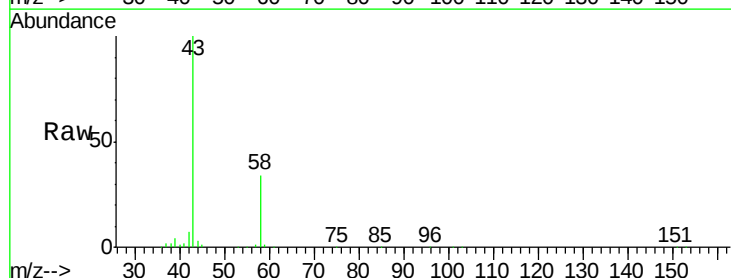
RT: 2.32 min Scan# 357

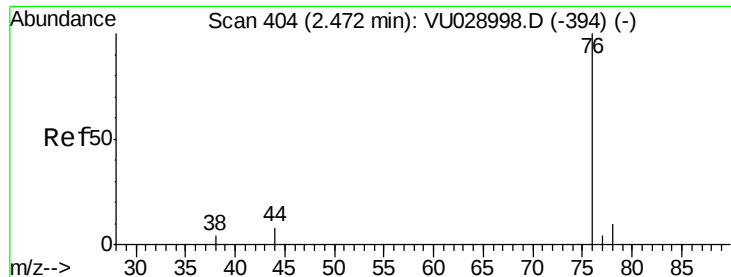
Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Tgt Ion:	43	Resp:	88868
Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.6	42.8





#17

Carbon Disulfide

Concen: 18.975 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Tot Ion: 76 Resp: 75631

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8

Instrument :

MSVOA_U

ClientSampled :

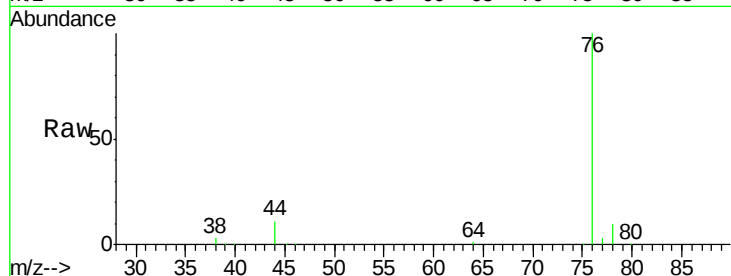
VU0109WBSD01

Manual Integrations

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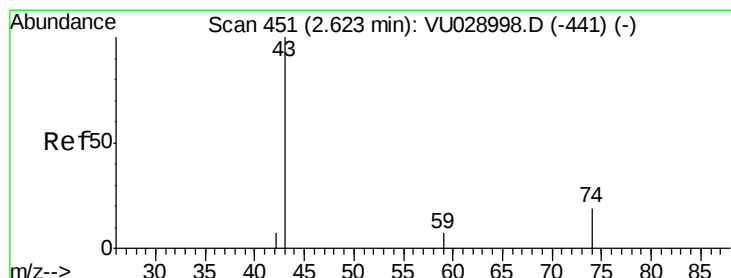
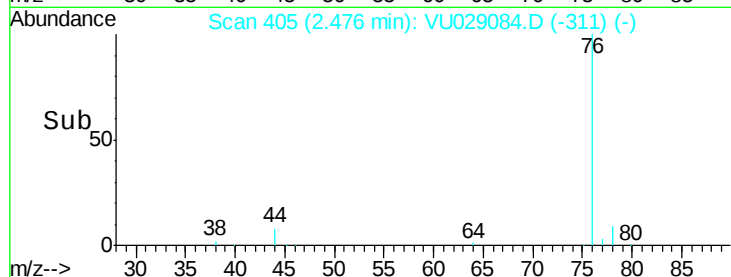
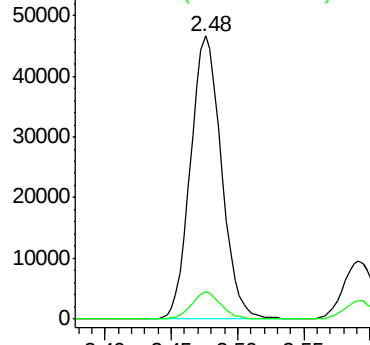
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 22.942 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029084.D

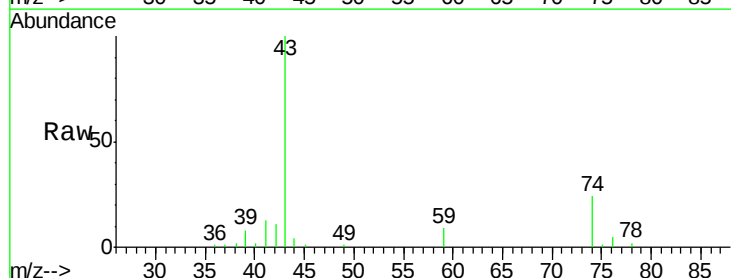
Acq: 09 Jan 2019 10:50

Tgt Ion: 43 Resp: 47348

Ion Ratio Lower Upper

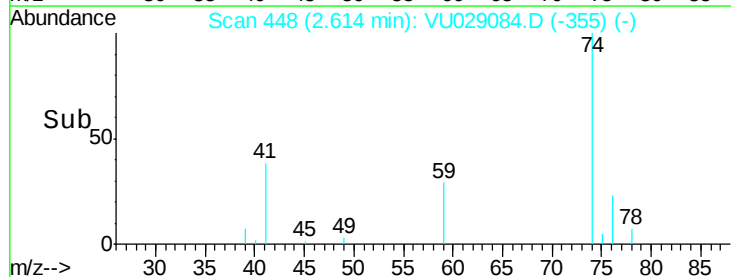
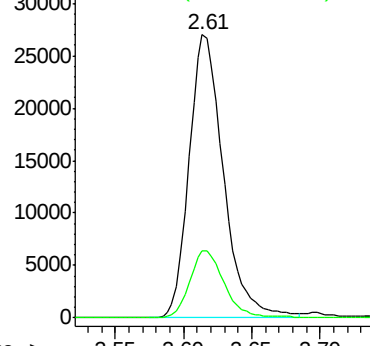
43 100

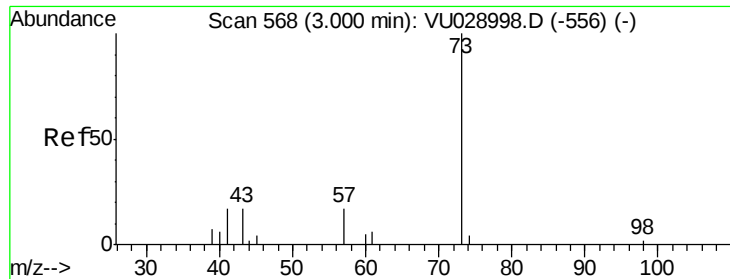
74 23.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





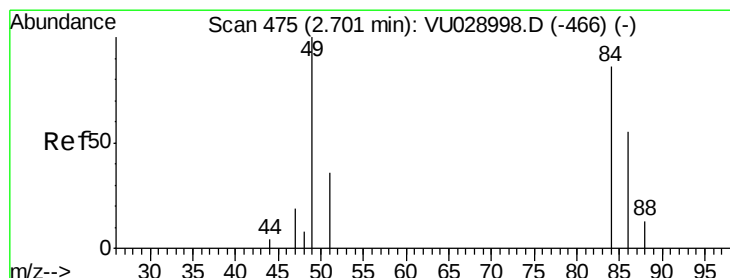
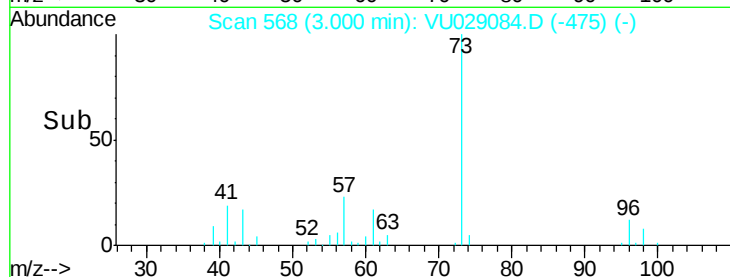
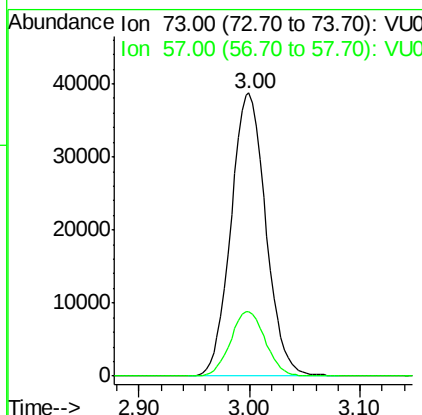
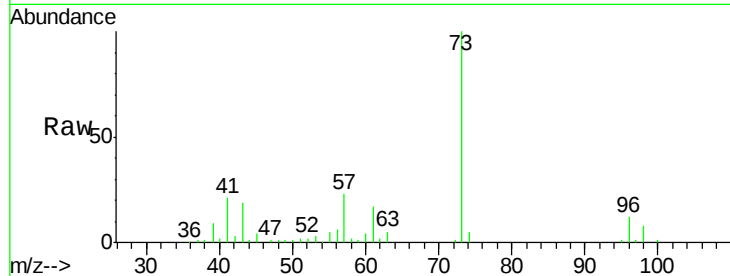
#19
Methvl tert-butvl Ether
Concen: 20.403 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion: 73 Resp: 84794
Ion Ratio Lower Upper
73 100
57 22.6 18.6 28.0

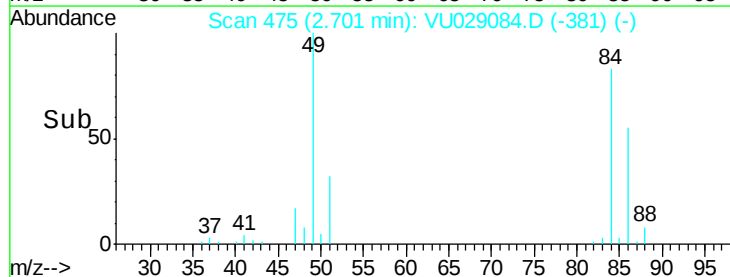
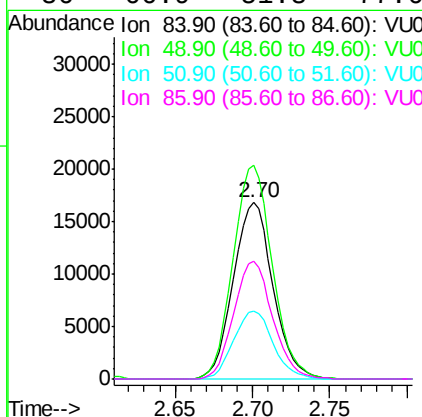
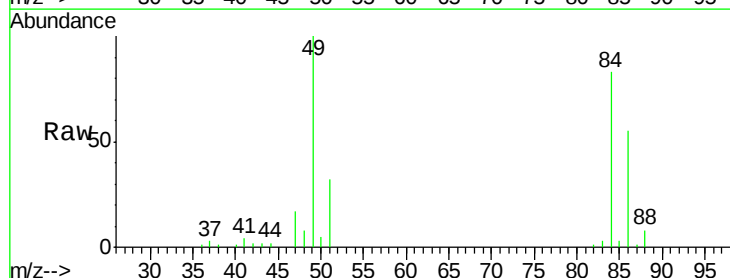
Manual Integrations
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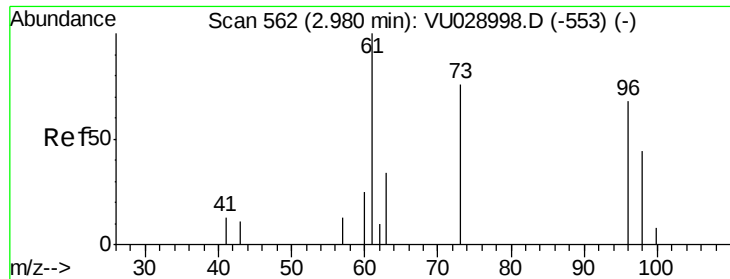
MMDadoda
1/10/2019 9:38:36 AM



#20
Methylene Chloride
Concen: 19.842 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion: 84 Resp: 29902
Ion Ratio Lower Upper
84 100
49 121.0 91.9 137.9
51 38.8 29.2 43.8
86 66.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.279 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion: 96 Resp: 26478

Ion Ratio Lower Upper

96 100

61 139.3 107.7 161.5

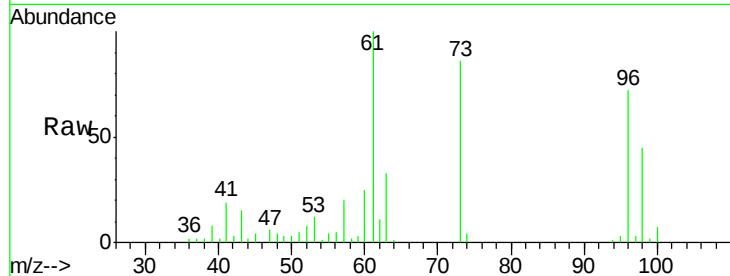
98 63.1 49.2 73.8

Manual Integrations

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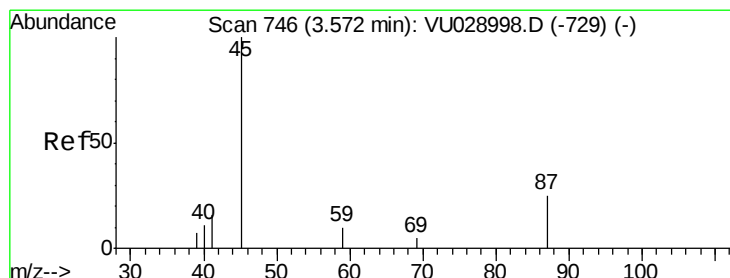
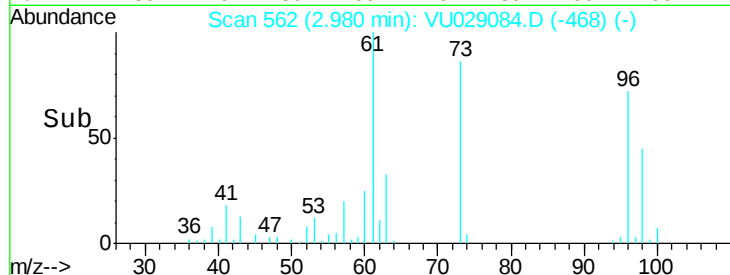
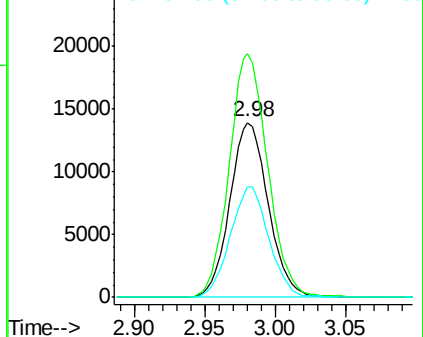


Abundance

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



#22

Diisopropyl ether

Concen: 21.234 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Tgt Ion: 45 Resp: 91023

Ion Ratio Lower Upper

45 100

43 60.7 44.7 67.1

87 26.6 22.2 33.2

59 11.7 9.8 14.8

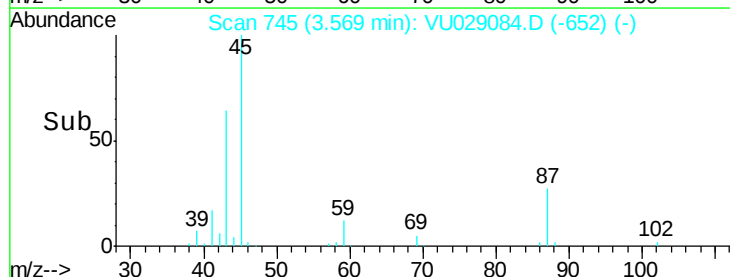
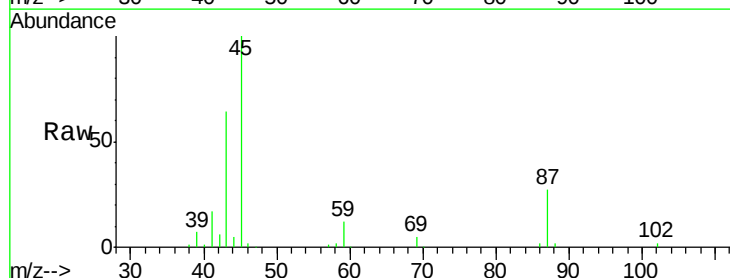
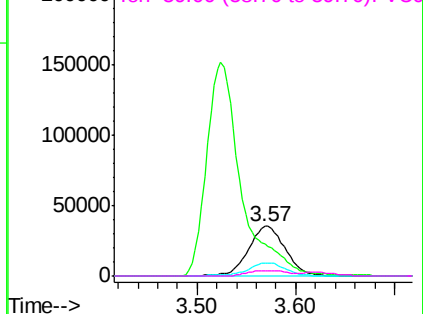
Abundance

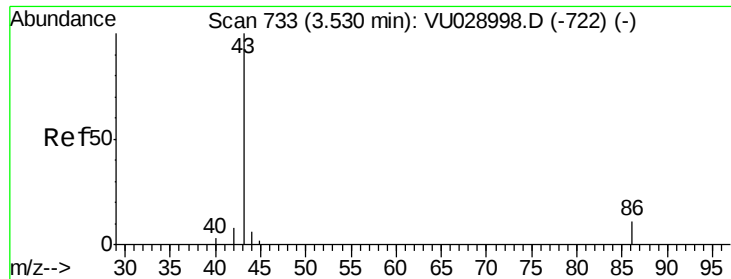
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 106.318 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion: 43 Resp: 372578

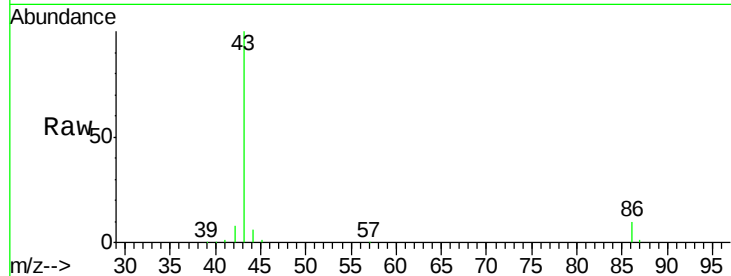
Ion Ratio Lower Upper

43 100

86 10.3 8.6 13.0

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VU029084.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU029084.D (-637) (-)

150000

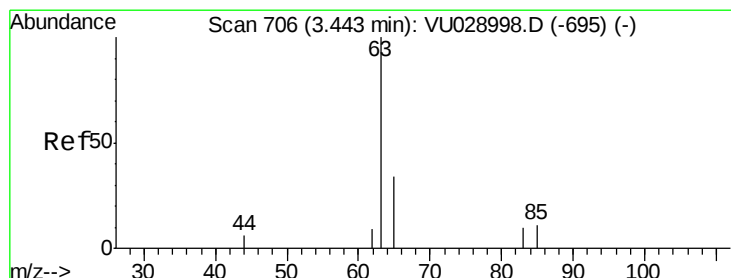
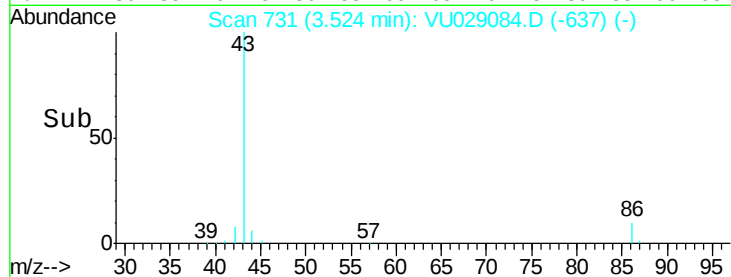
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 20.921 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

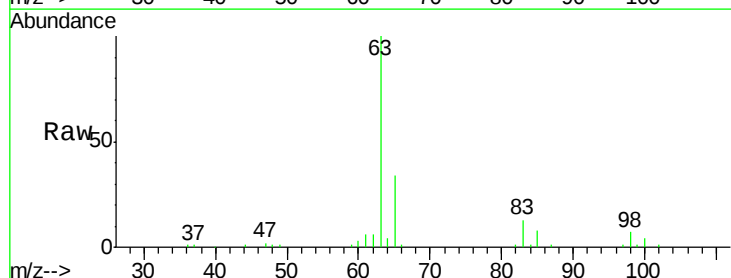
Tgt Ion: 63 Resp: 51771

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU029084.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU029084.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU029084.D (-613) (-)

30000

25000

20000

15000

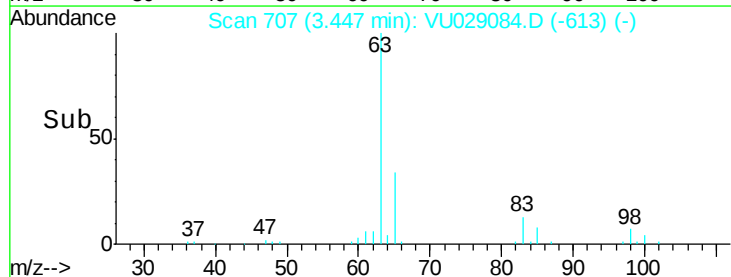
10000

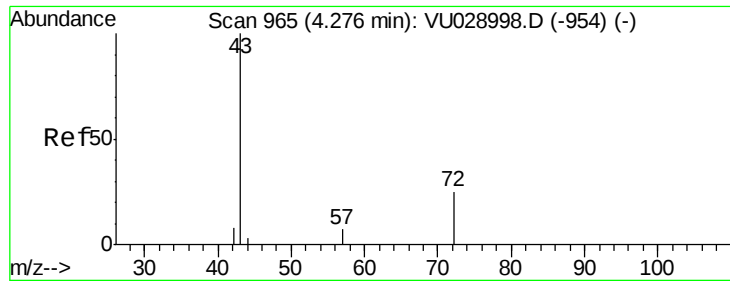
5000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 110.482 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion: 43 Resp: 132450

Ion Ratio Lower Upper

43 100

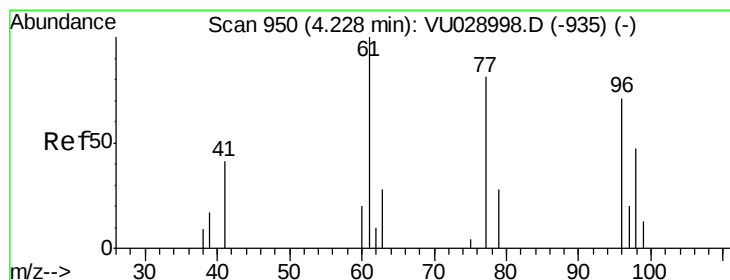
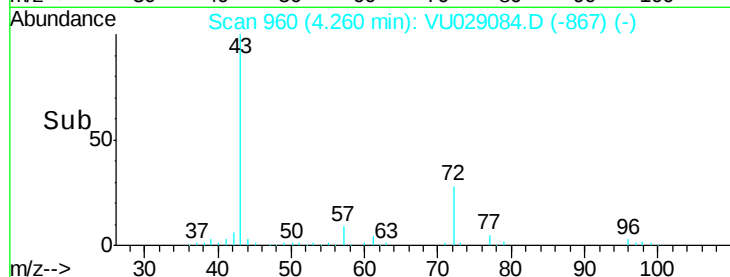
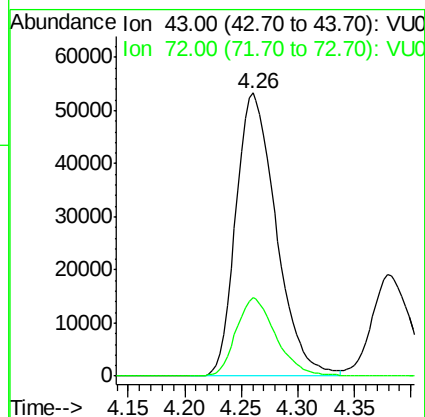
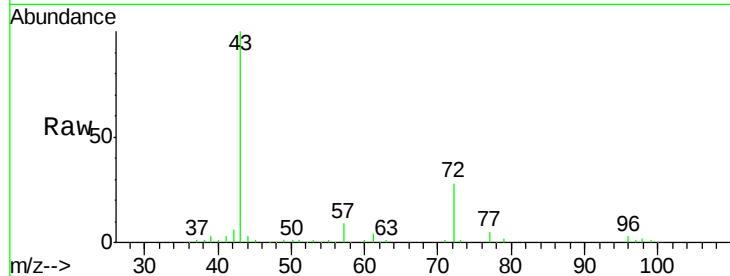
72 27.6 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.561 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029084.D

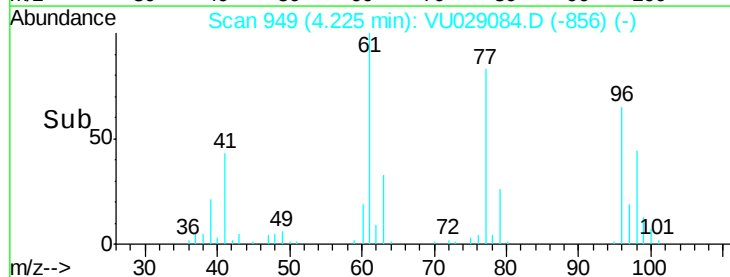
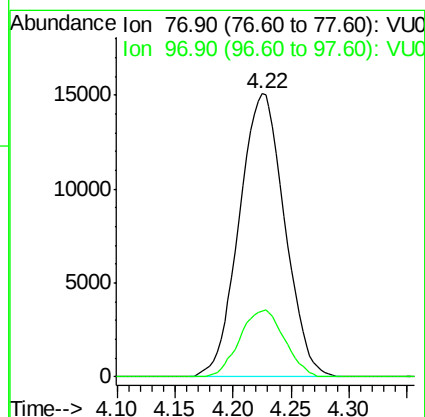
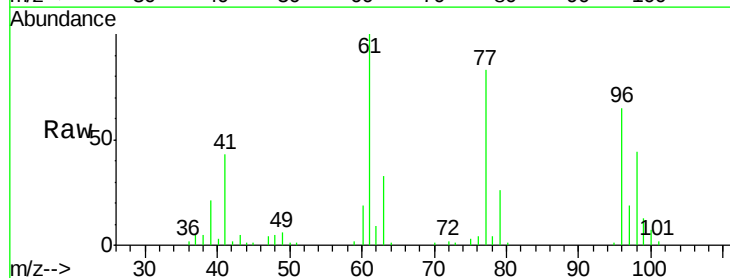
Acq: 09 Jan 2019 10:50

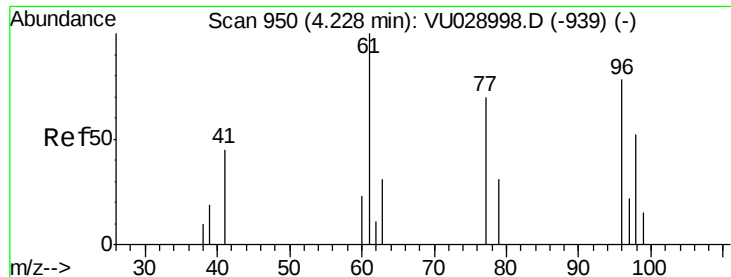
Tgt Ion: 77 Resp: 41112

Ion Ratio Lower Upper

77 100

97 23.3 12.0 36.1





#27

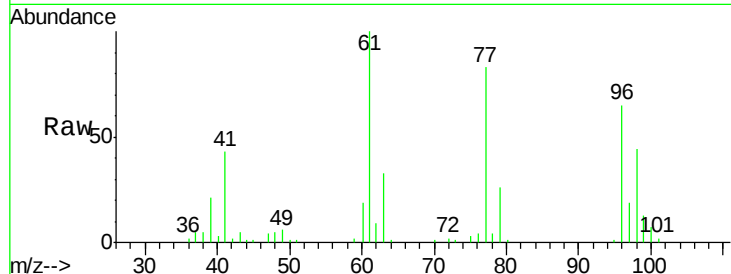
cis-1,2-Dichloroethene
Concen: 19.776 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

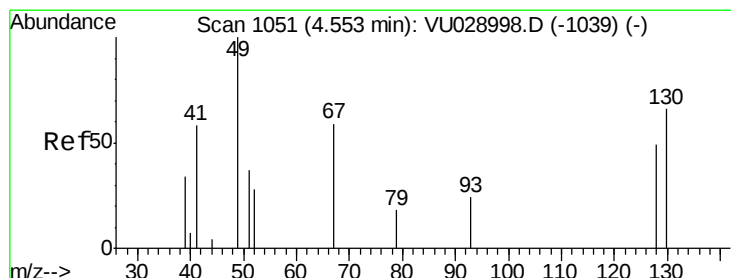
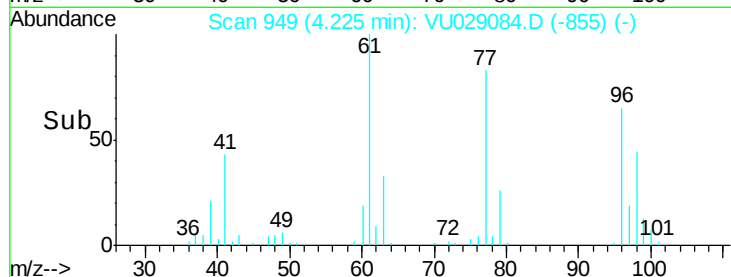
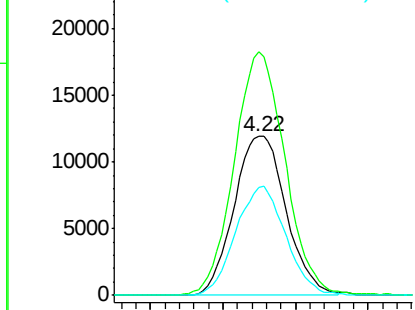
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	285.6
98	66.2	0.0	130.2

Manual Integrations
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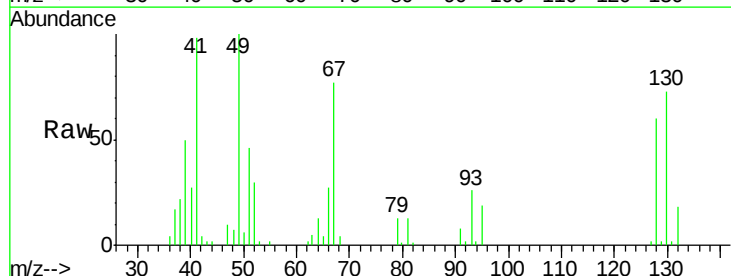
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



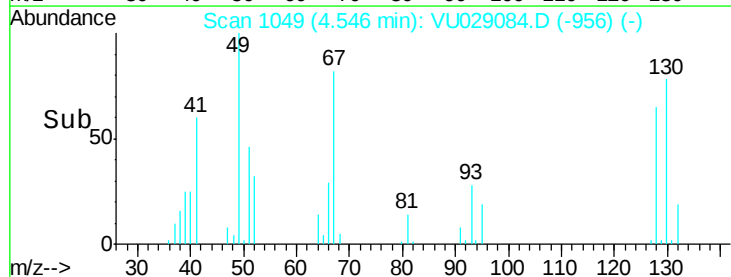
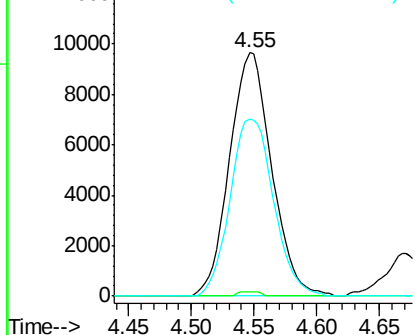
#28

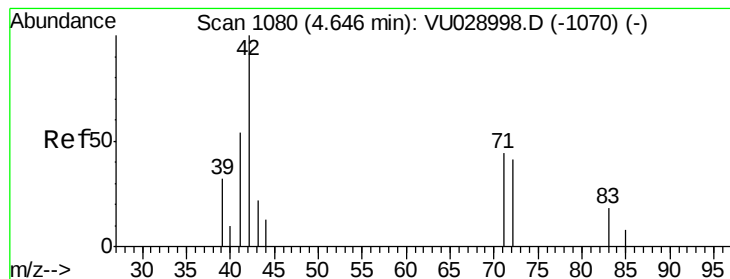
Bromochloromethane
Concen: 21.233 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	75.3	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: 114.054 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion: 42 Resp: 82930

Ion Ratio Lower Upper

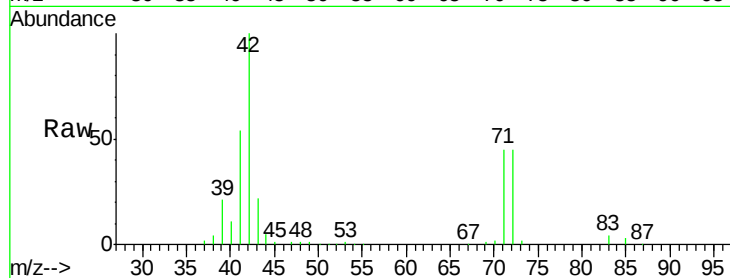
42 100

72 45.5 38.3 57.5

71 43.7 36.1 54.1

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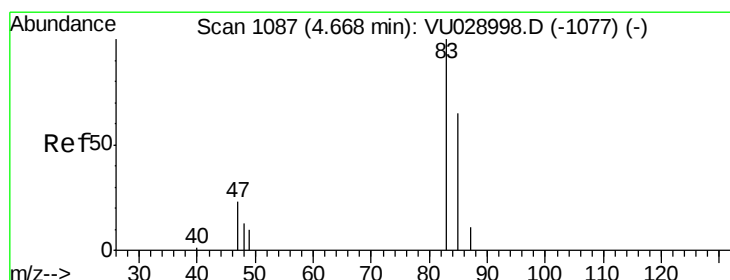
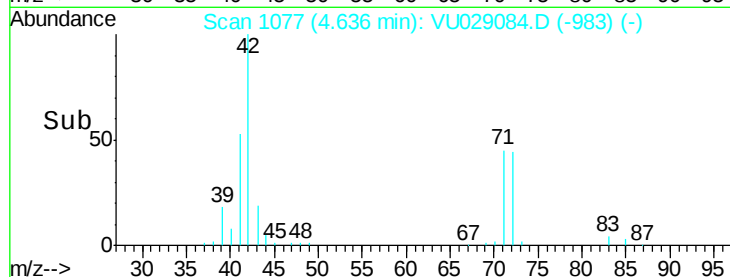
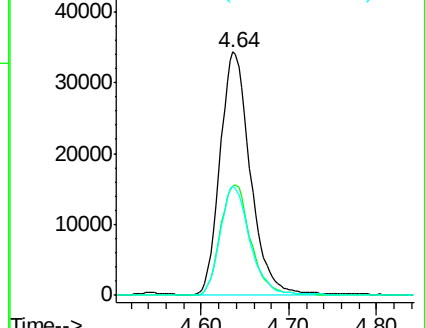
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Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 20.771 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU029084.D

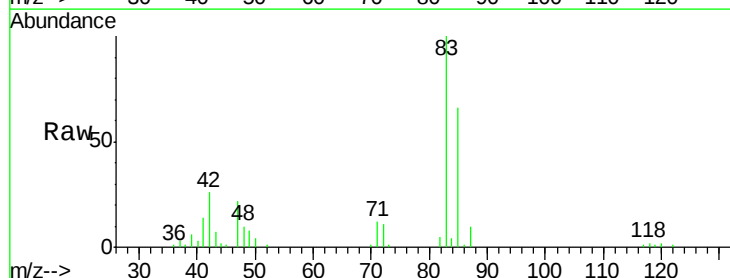
Acq: 09 Jan 2019 10:50

Tgt Ion: 83 Resp: 48957

Ion Ratio Lower Upper

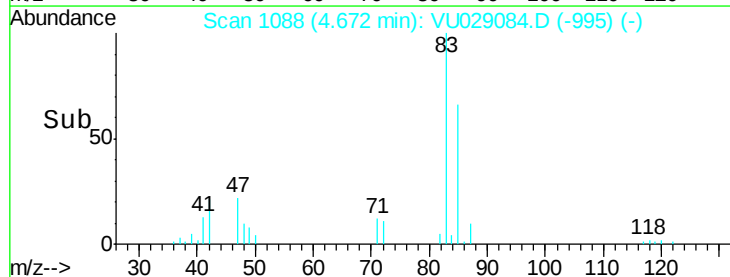
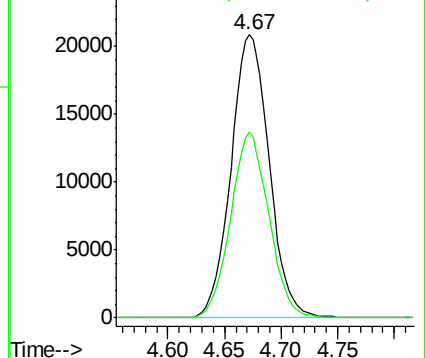
83 100

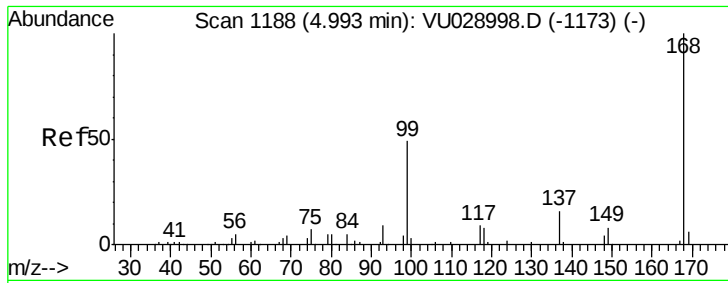
85 65.6 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





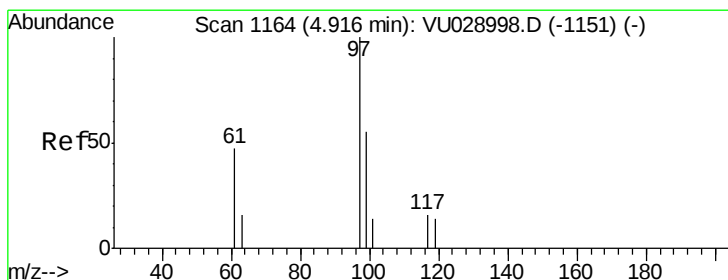
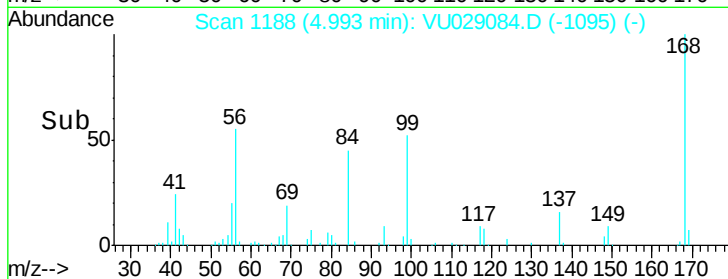
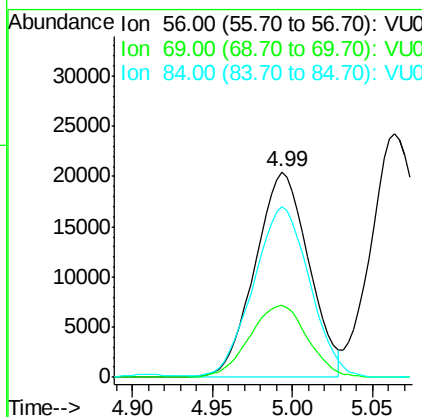
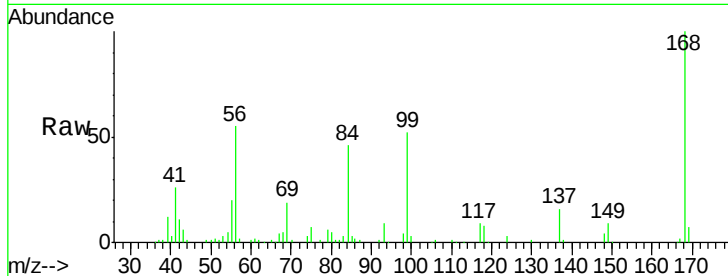
#31
Cyclohexane
Concen: 19.682 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	26.7	40.1
84	82.2	65.7	98.5

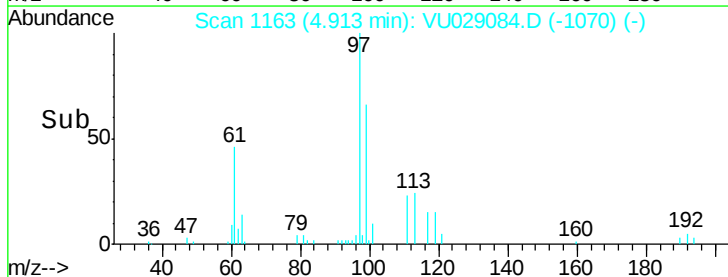
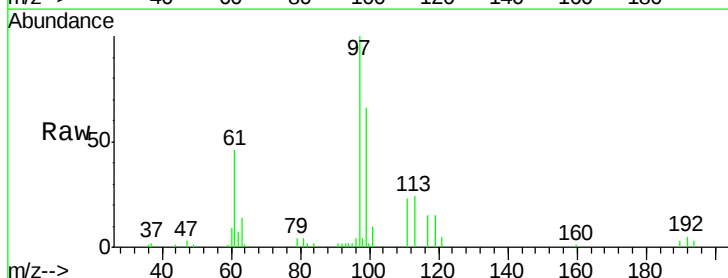
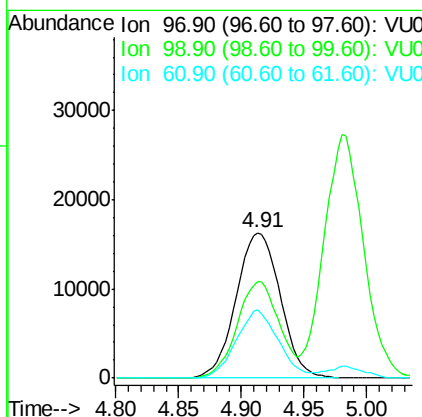
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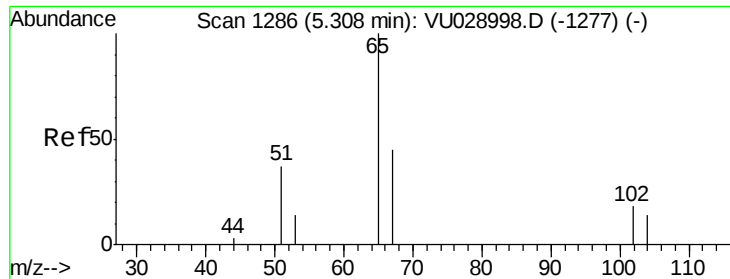
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#32
1,1,1-Trichloroethane
Concen: 20.487 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	44.9	34.4	51.6





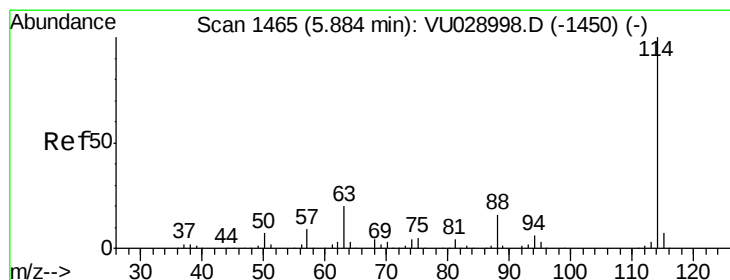
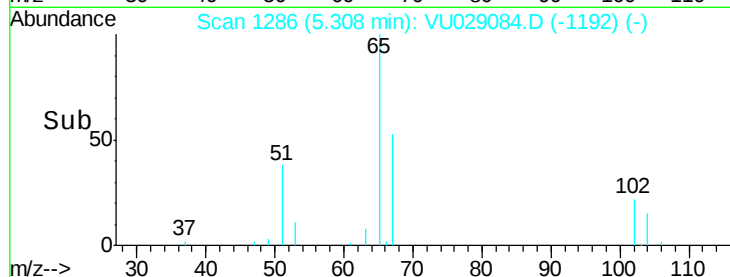
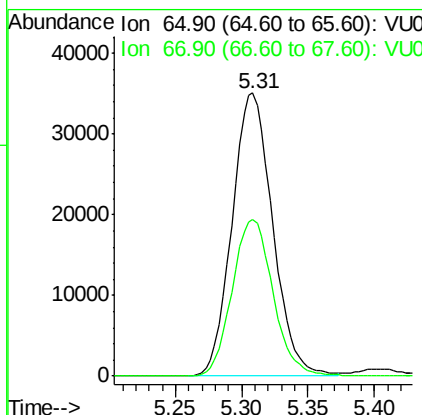
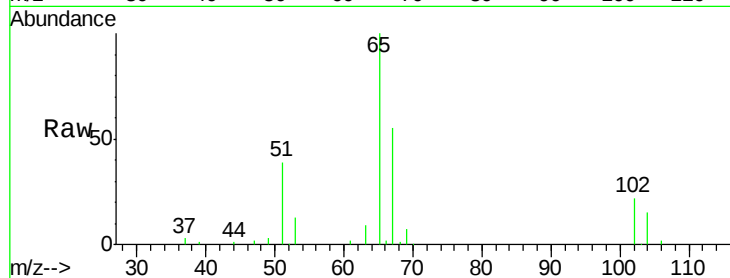
#33
 1,2-Dichloroethane-d4
 Concen: 53.016 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	111.0

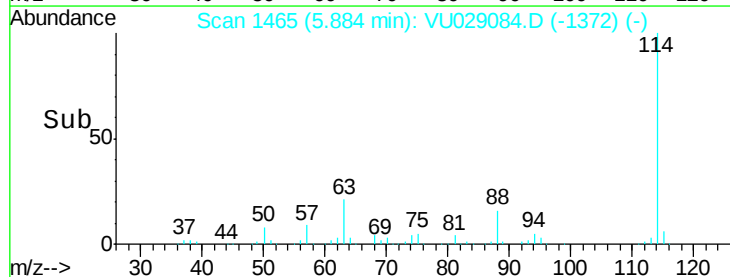
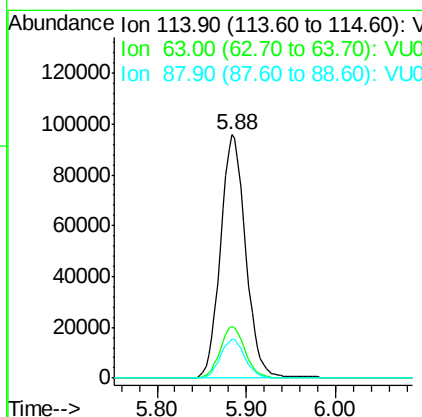
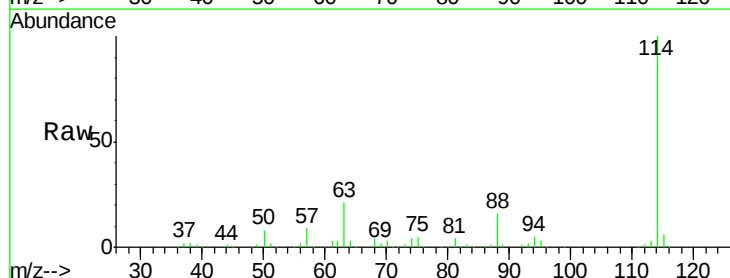
Manual Integrations
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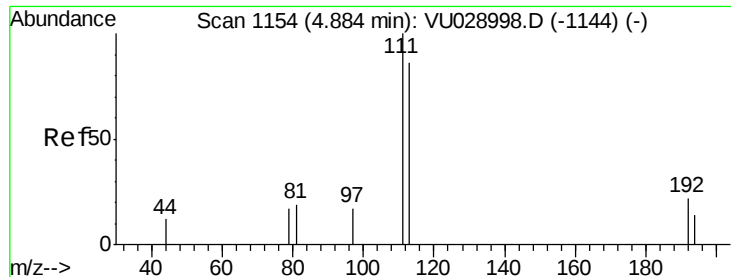
MMDadoda
 1/10/2019 9:38:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	40.2
88	16.0	0.0	30.4





#35

Dibromofluoromethane

Concen: 51.761 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion:113 Resp: 63018

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.2

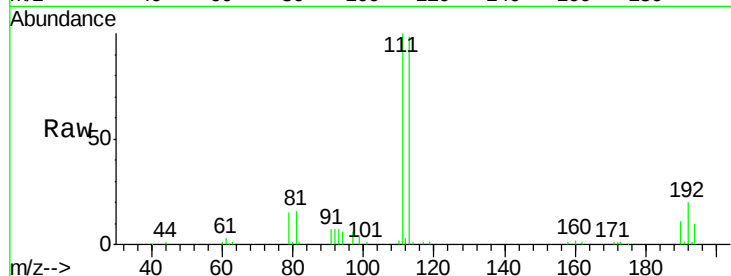
192 20.5 16.8 25.2

Manual Integrations

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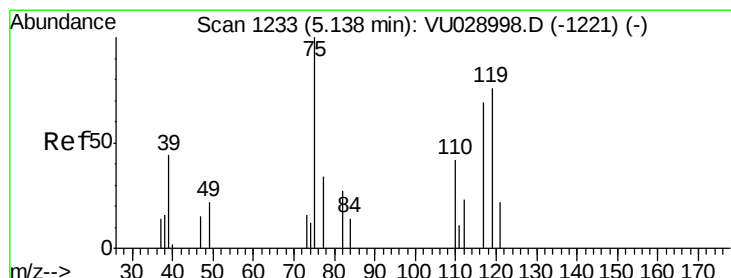
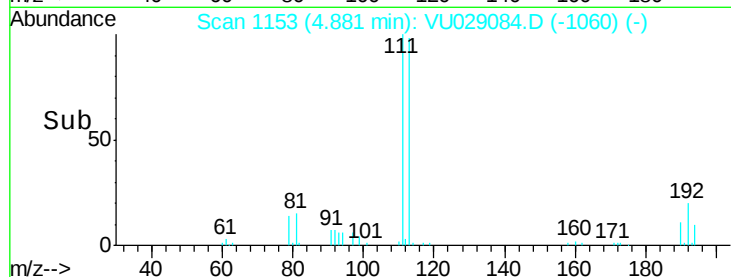
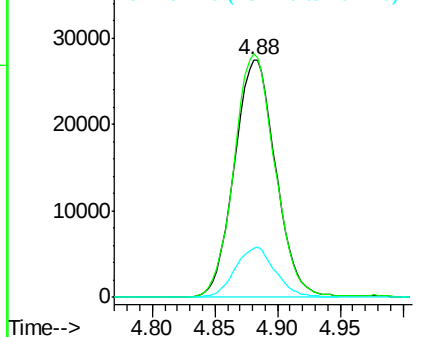
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.331 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

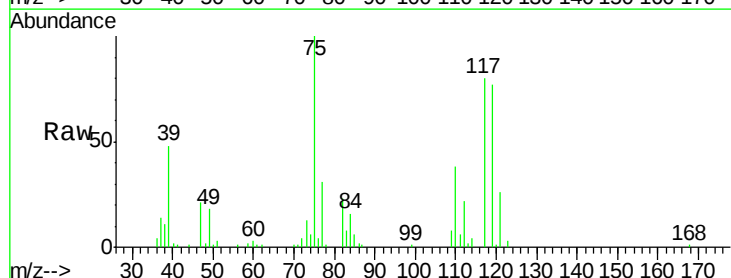
Tgt Ion: 75 Resp: 36291

Ion Ratio Lower Upper

75 100

110 36.0 18.4 55.4

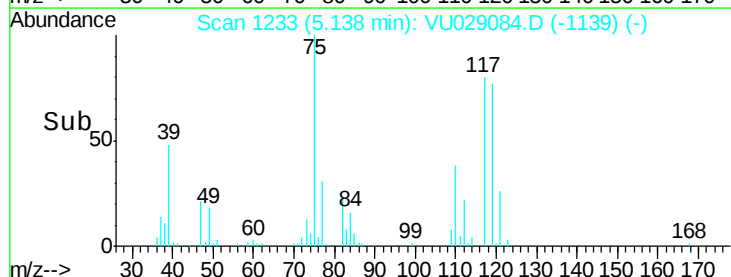
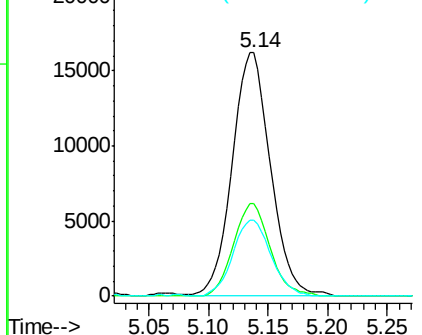
77 31.0 25.1 37.7

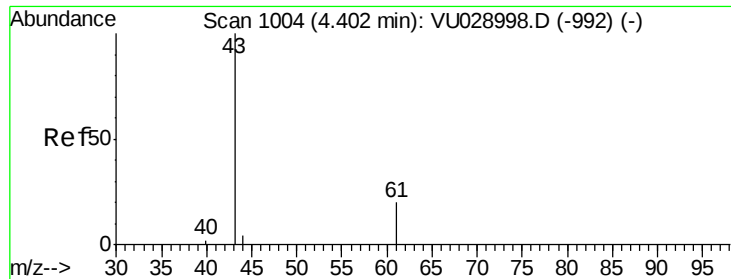


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





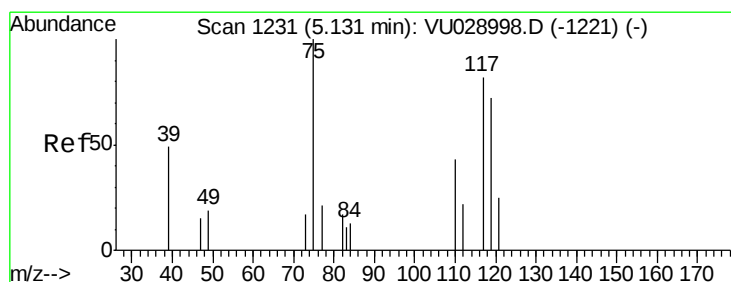
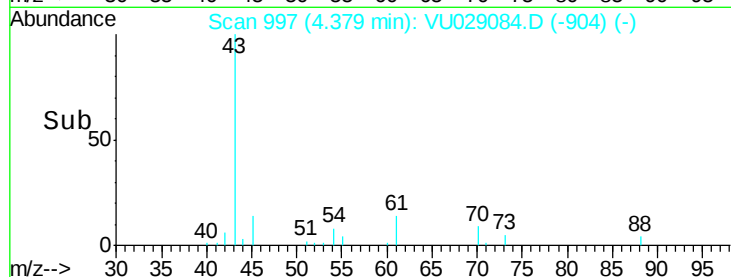
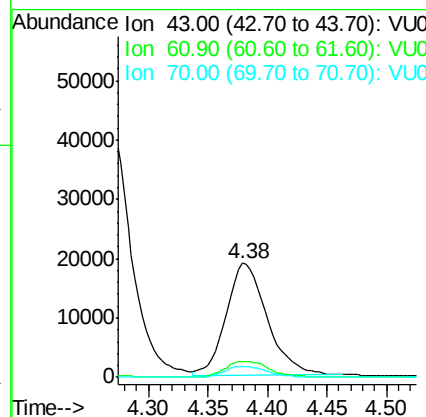
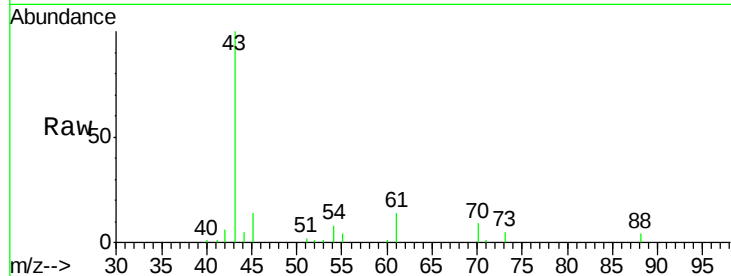
#37
Ethyl Acetate
Concen: 21.952 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.6	18.8
70	10.1	9.3	13.9

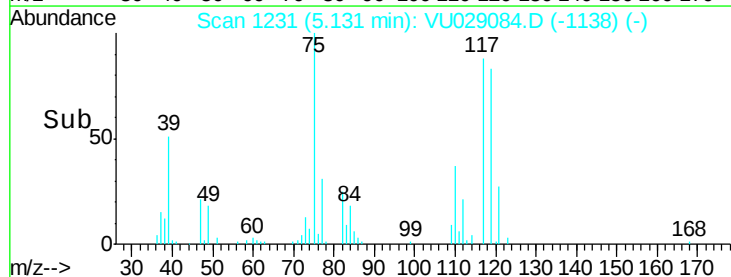
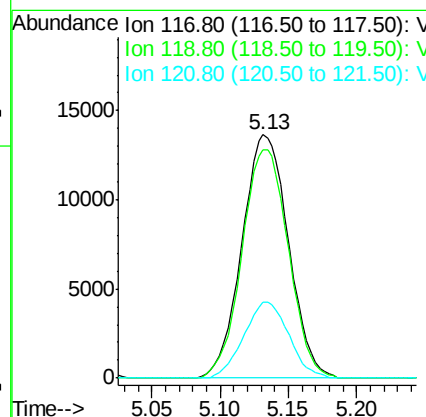
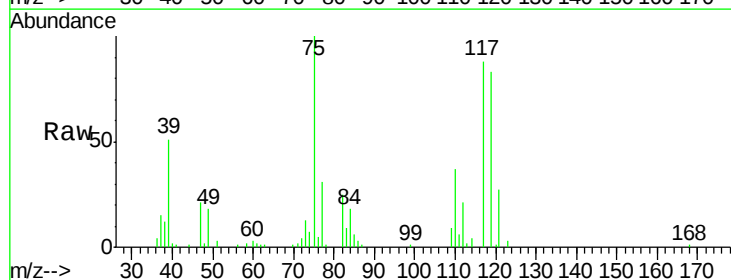
Manual Integrations
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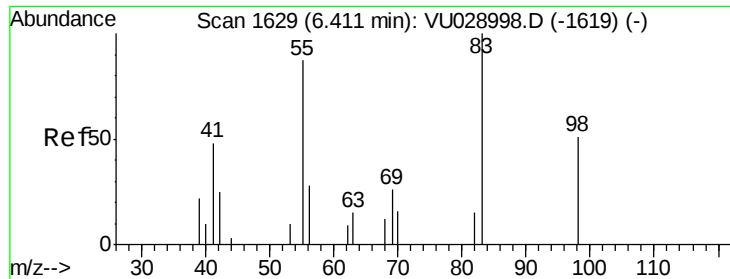
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1/10/2019 9:38:36 AM



#38
Carbon Tetrachloride
Concen: 20.603 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	74.6	111.8
121	31.1	25.0	37.6





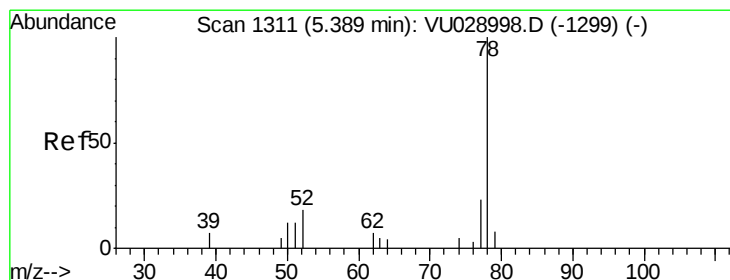
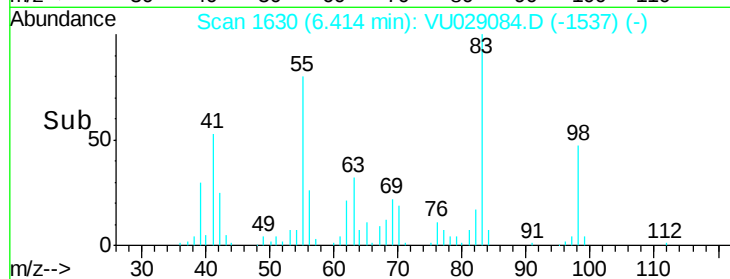
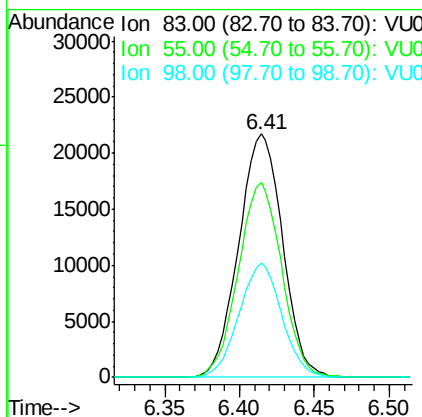
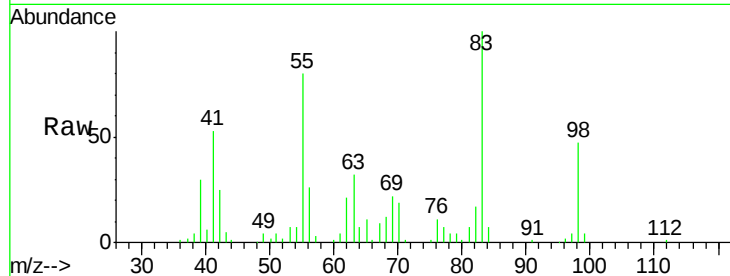
#39
Methvlcvclohexane
Concen: 19.213 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	62.4	93.6
98	47.0	36.2	54.2

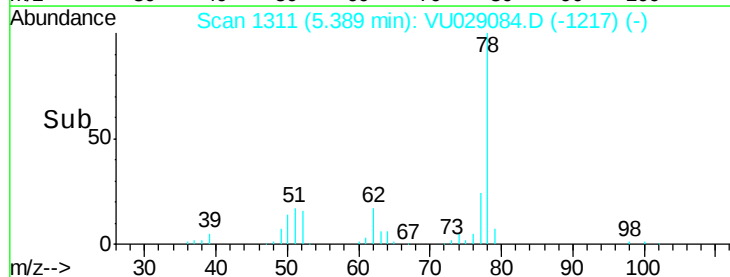
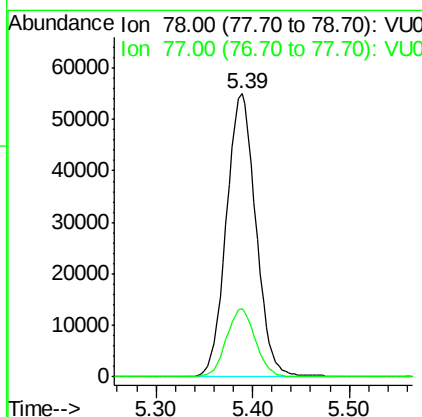
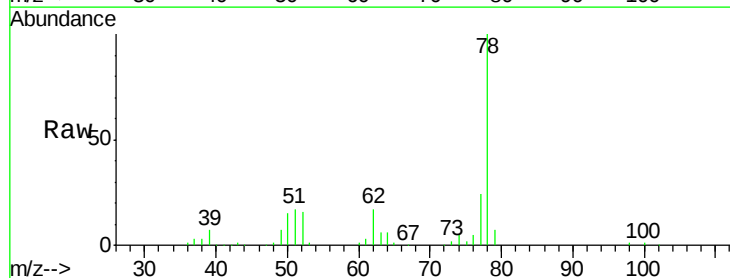
Manual Integrations
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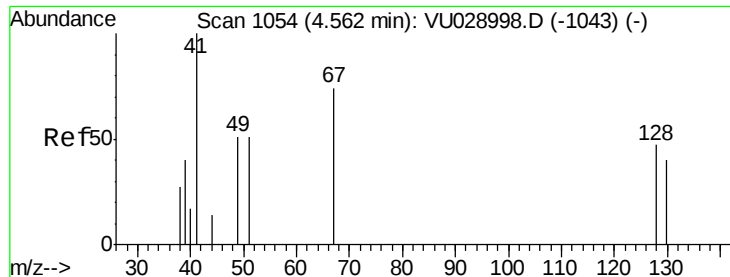
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#40
Benzene
Concen: 19.911 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





#41

Methacrylonitrile

Concen: 21.786 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

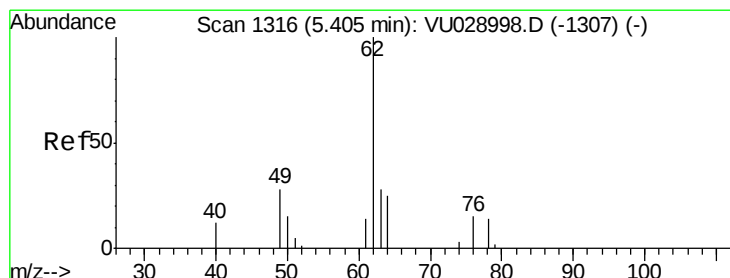
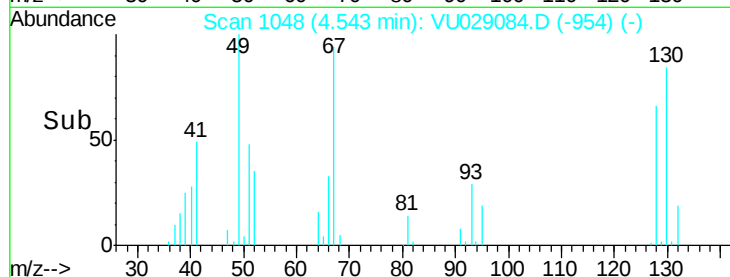
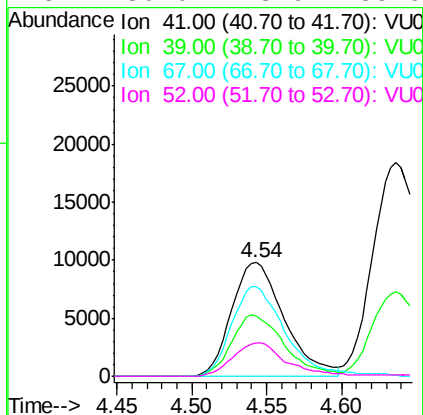
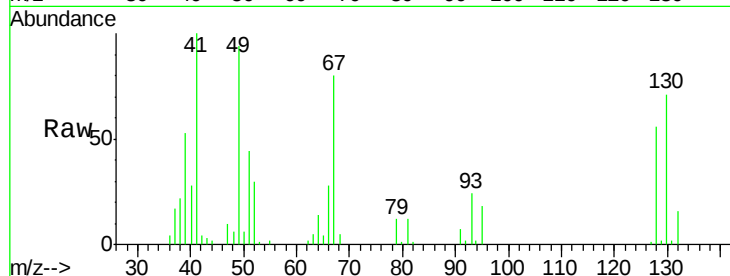
ClientSampled :

VU0109WBSD01

Tot Ion:	41	Resp:	24031
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.3	63.5
67	80.6	64.4	96.6
52	30.0	23.9	35.9

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#42

1,2-Dichloroethane

Concen: 21.185 ug/l

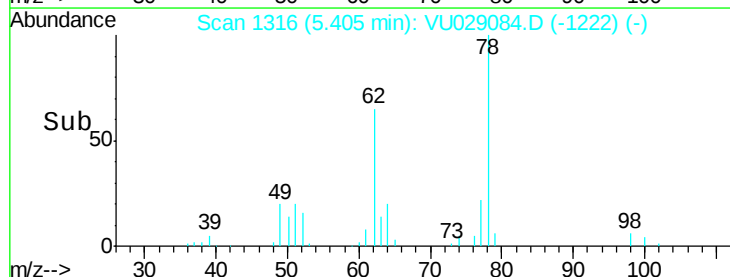
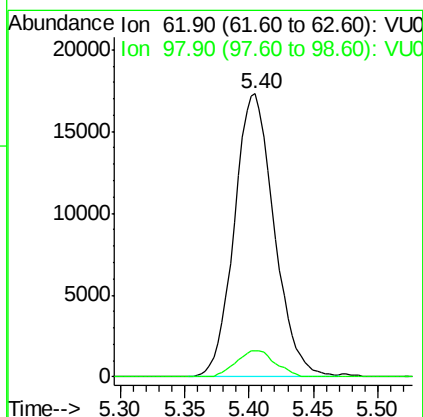
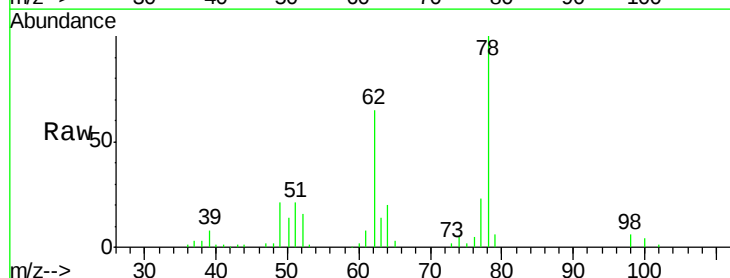
RT: 5.40 min Scan# 1316

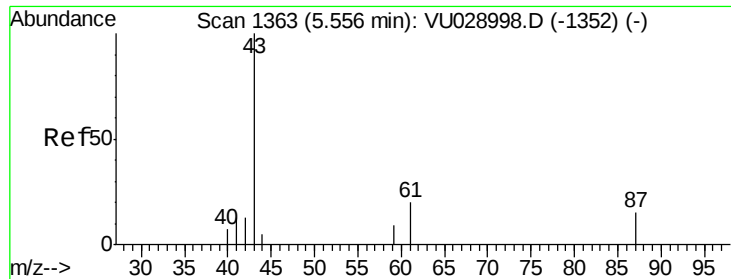
Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Tgt Ion:	62	Resp:	37277
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.953 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

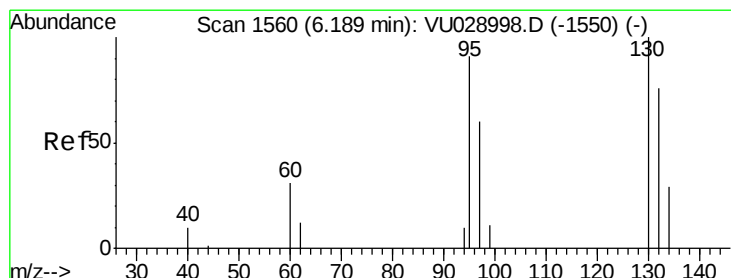
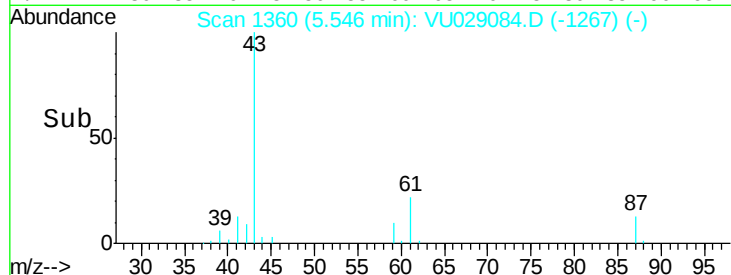
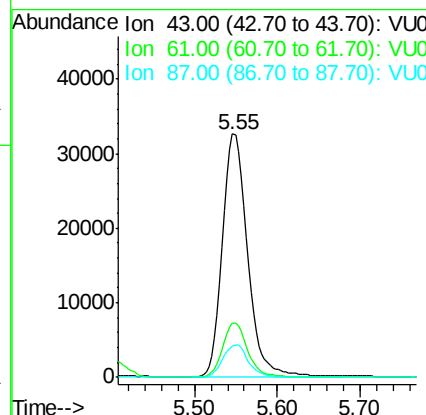
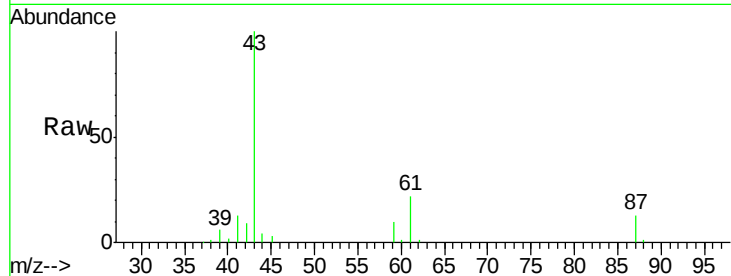
ClientSampleId :

VU0109WBSD01

Tot Ion:	43	Resp:	69393
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.8	26.6
87	13.4	11.3	16.9

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#44

Trichloroethene

Concen: 19.459 ug/l

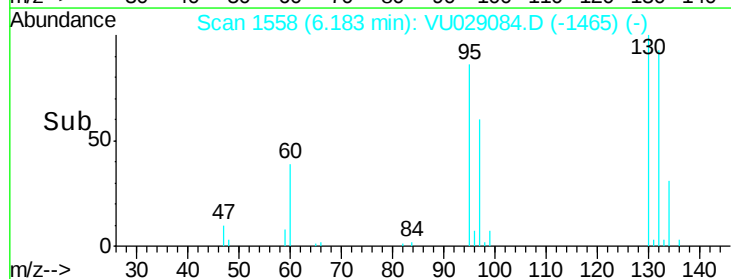
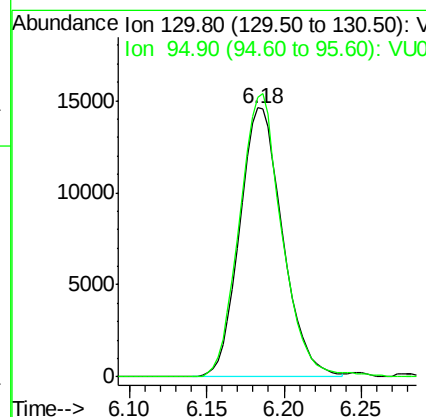
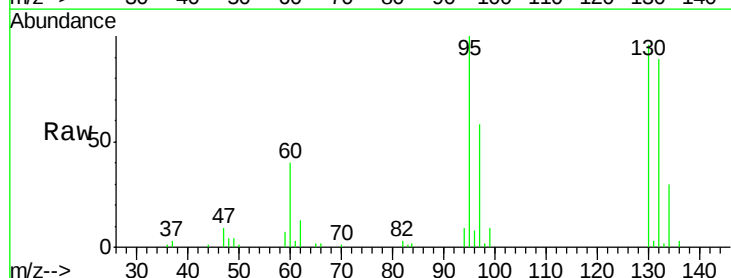
RT: 6.18 min Scan# 1558

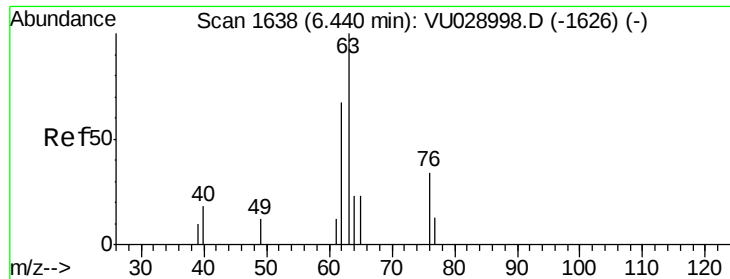
Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Tgt Ion:	130	Resp:	28234
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	205.0





#45

1,2-Dichloropropane

Concen: 20.901 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion: 63 Resp: 32321

Ion Ratio Lower Upper

63 100

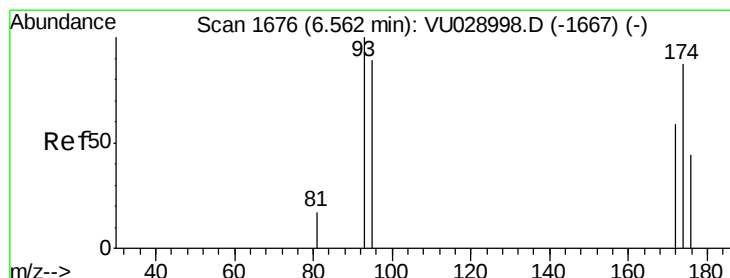
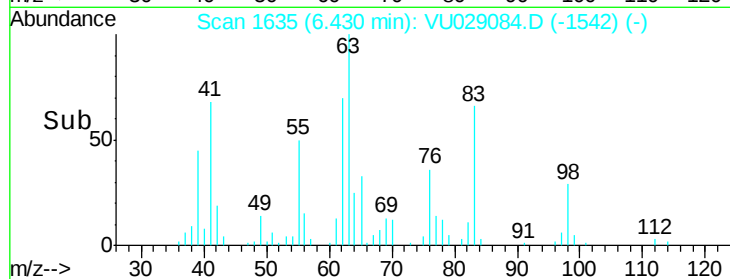
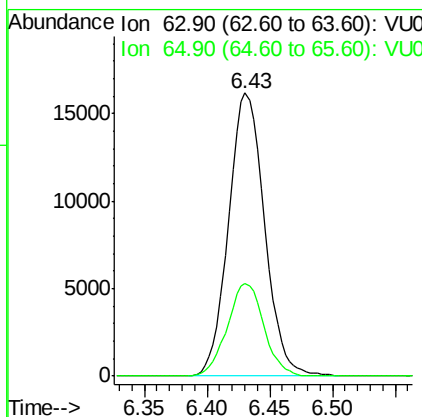
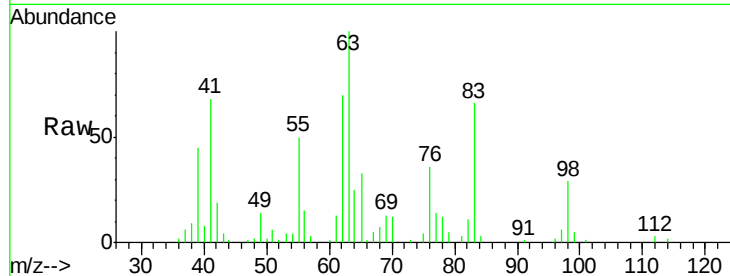
65 32.8 25.1 37.7

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#46

Dibromomethane

Concen: 20.419 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

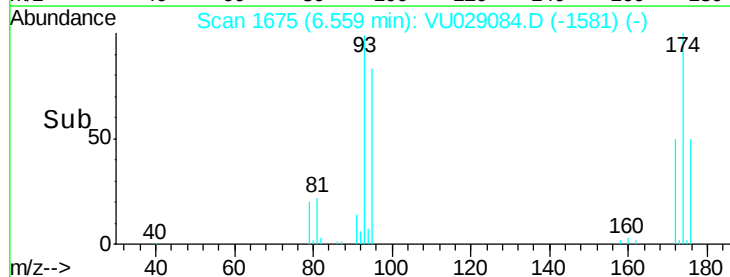
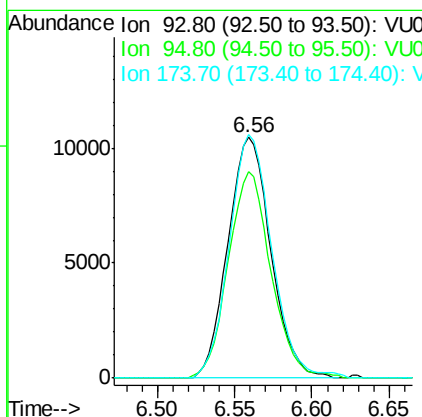
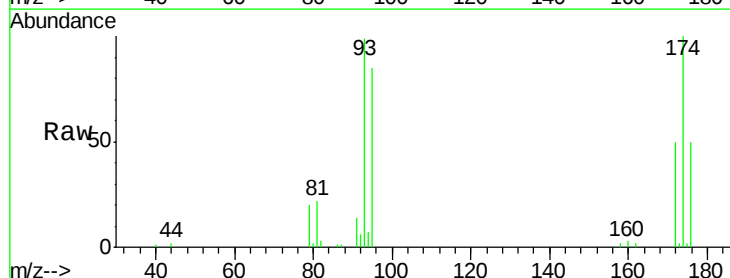
Tgt Ion: 93 Resp: 20185

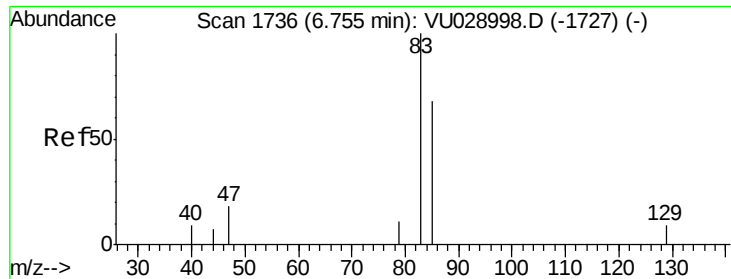
Ion Ratio Lower Upper

93 100

95 85.2 67.2 100.8

174 100.2 82.6 123.8





#47

Bromodichloromethane

Concen: 20.732 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

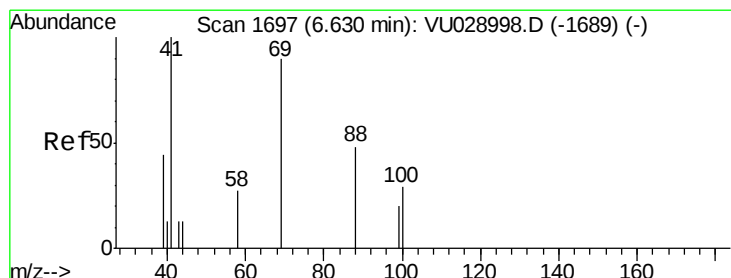
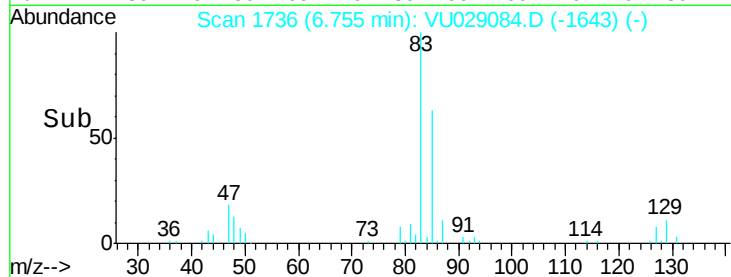
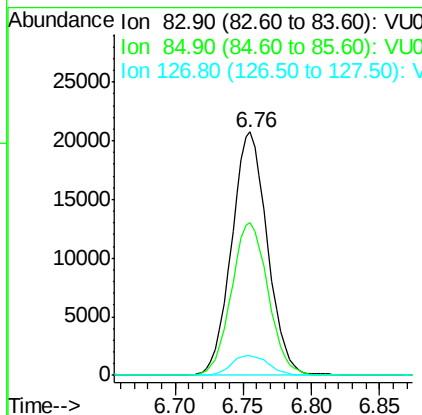
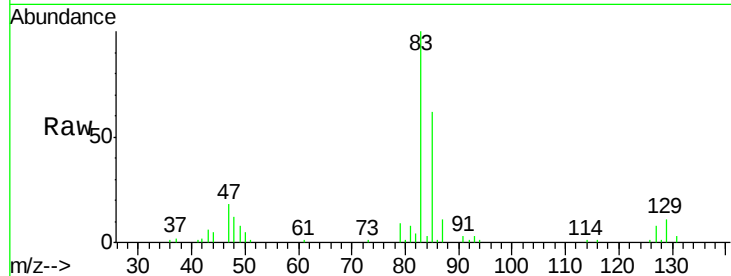
ClientSampleId :

VU0109WBSD01

Tot Ion:	83	Resp:	37734
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.4	77.2
127	7.8	7.0	10.4

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#48

Methyl methacrylate

Concen: 21.711 ug/l

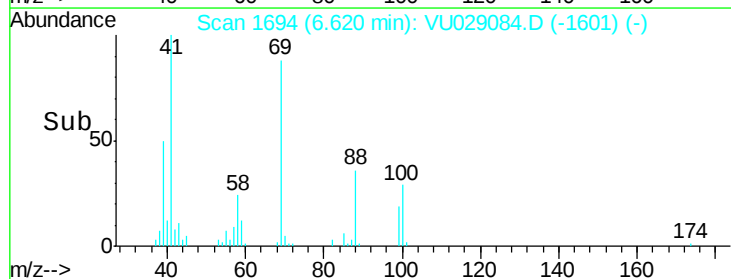
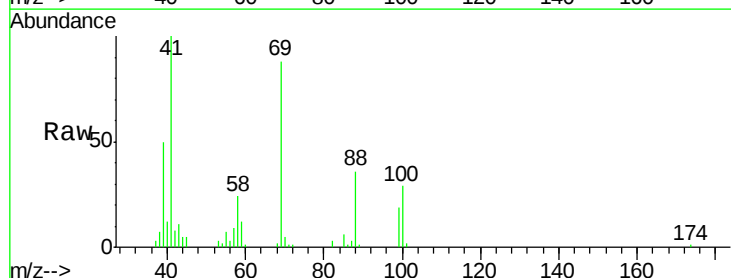
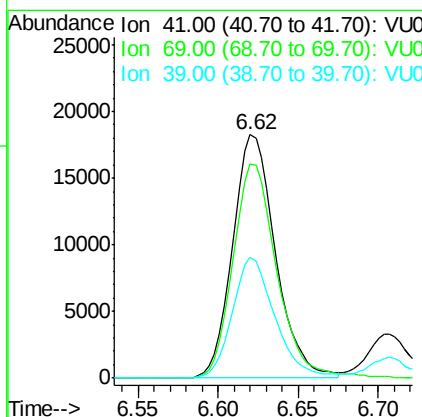
RT: 6.62 min Scan# 1694

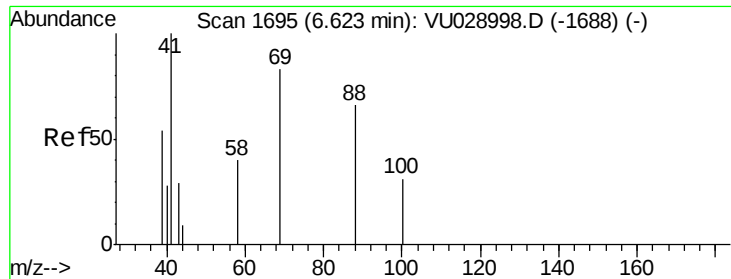
Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Tgt Ion:	41	Resp:	33418
Ion	Ratio	Lower	Upper
41	100		
69	90.0	73.6	110.4
39	49.1	39.6	59.4





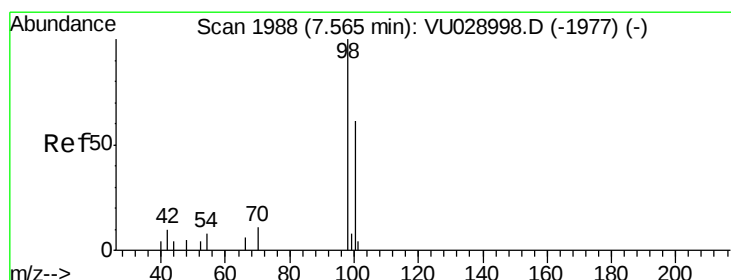
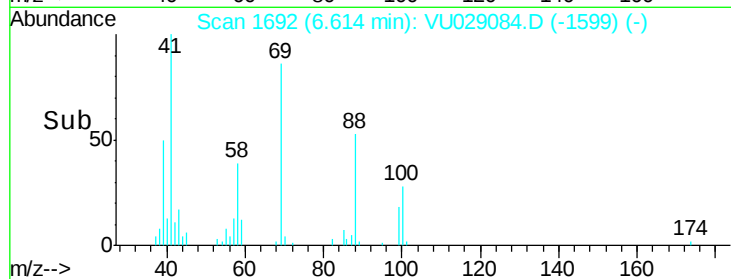
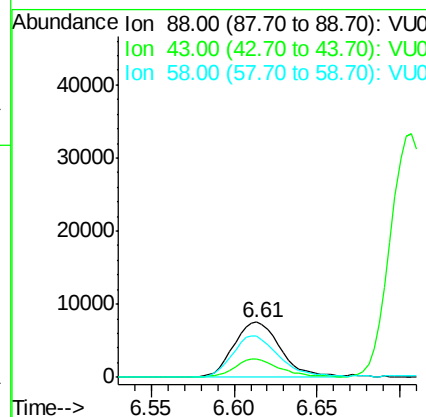
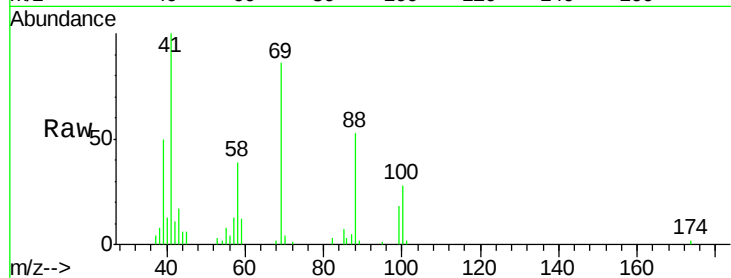
#49
1,4-Dioxane
Concen: 410.567 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	23.0	34.4
58	73.7	57.9	86.9

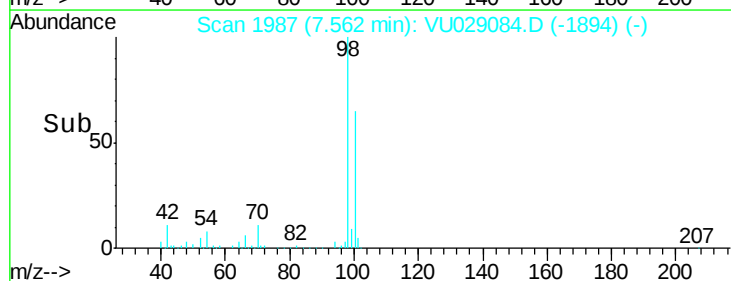
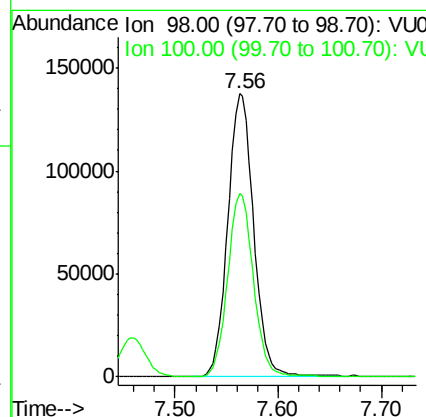
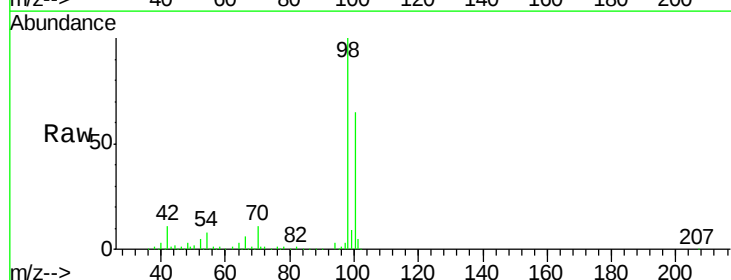
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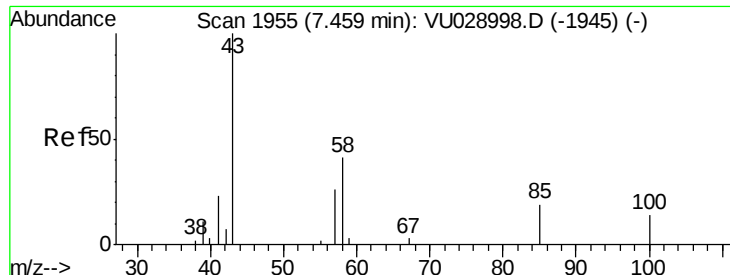
MMDadoda
1/10/2019 9:38:36 AM



#50
Toluene-d8
Concen: 50.336 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 109.506 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion: 43 Resp: 235577

Ion Ratio Lower Upper

43 100

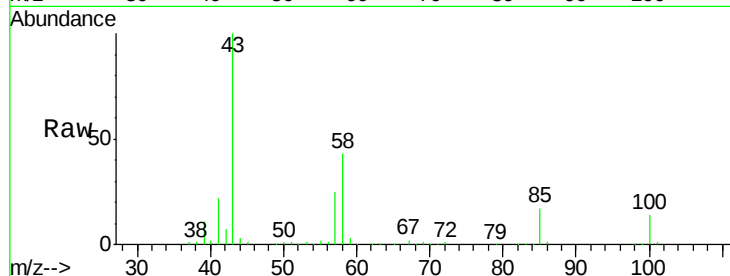
58 42.2 33.9 50.9

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

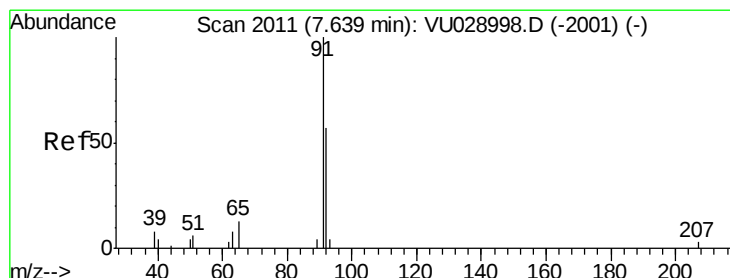
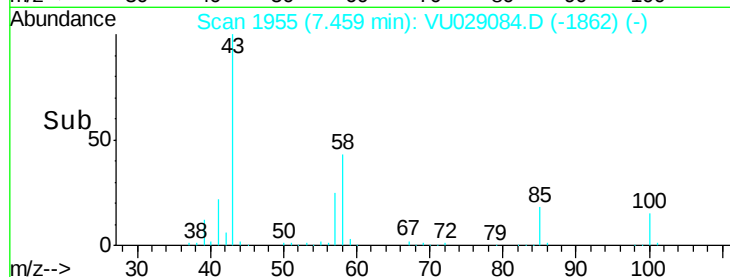
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.801 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029084.D

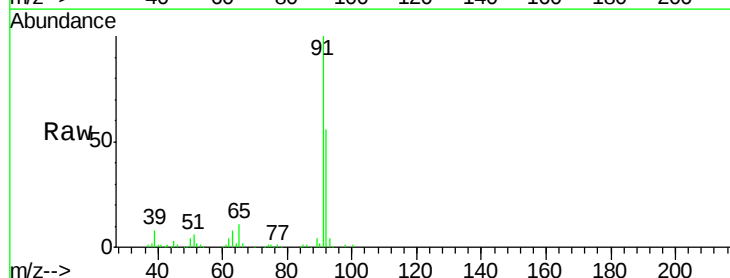
Acq: 09 Jan 2019 10:50

Tgt Ion: 92 Resp: 70587

Ion Ratio Lower Upper

92 100

91 177.7 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

80000

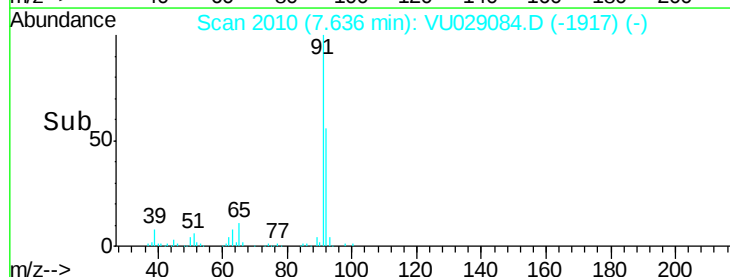
60000

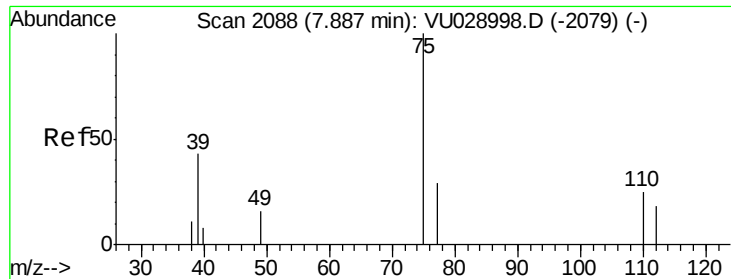
40000

20000

0

Time-->





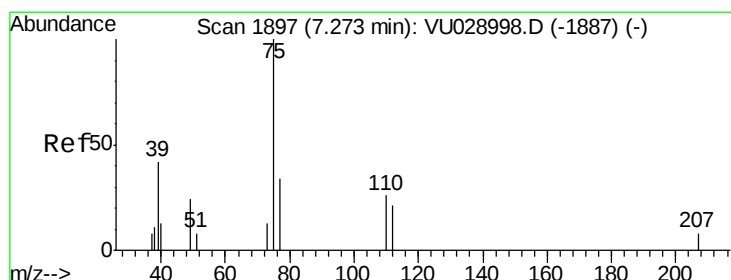
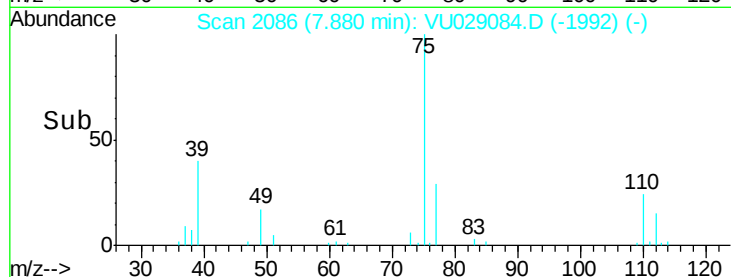
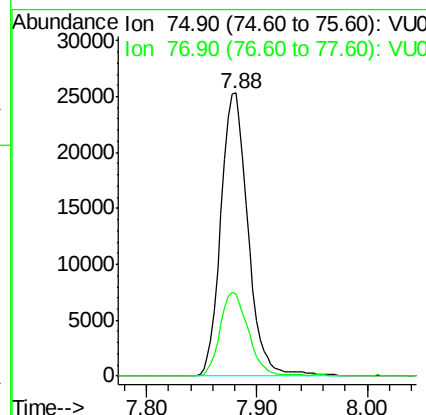
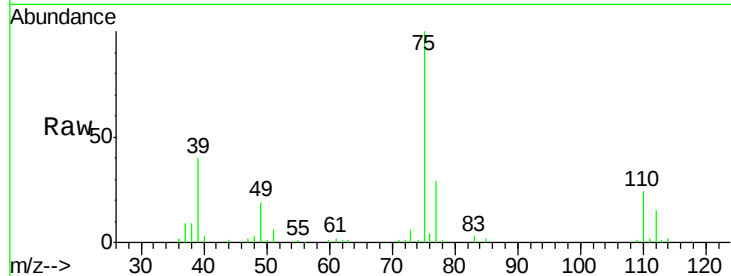
#53
t-1,3-Dichloropropene
Concen: 19.820 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion: 75 Resp: 43336
Ion Ratio Lower Upper
75 100
77 29.1 25.0 37.4

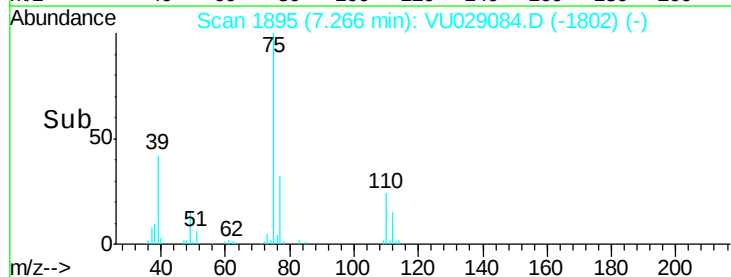
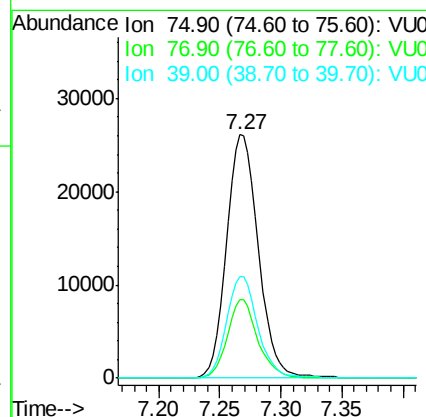
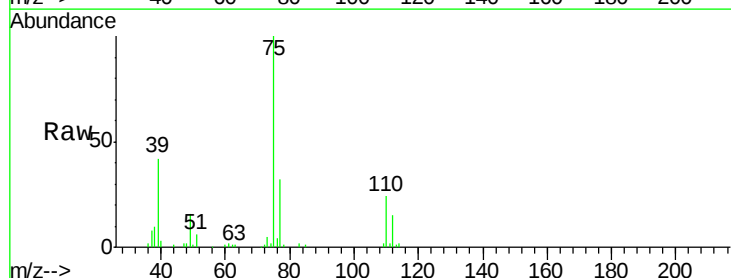
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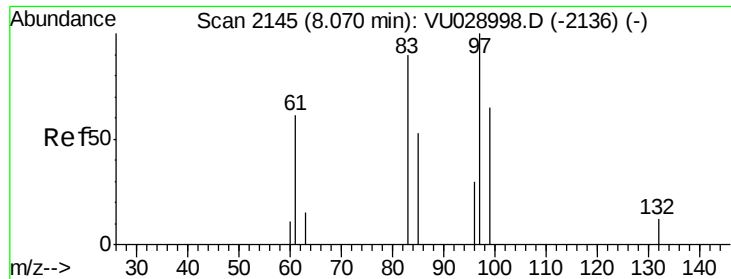
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.172 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion: 75 Resp: 47658
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6
39 41.9 32.2 48.4





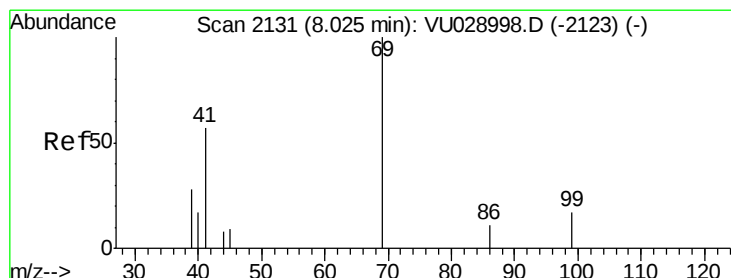
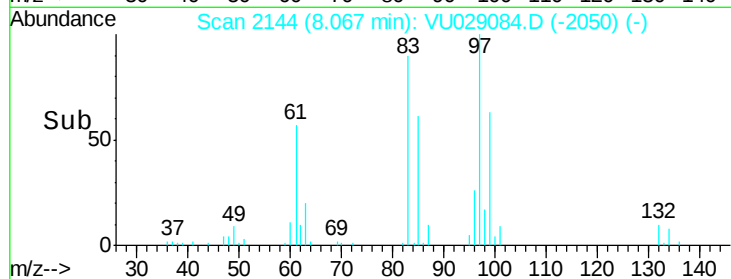
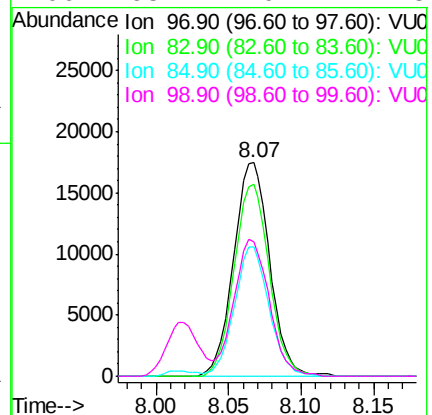
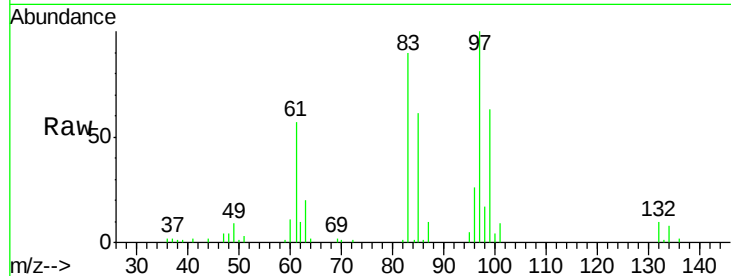
#55
 1,1,2-Trichloroethane
 Concen: 21.123 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		30167		
83	89.9	69.8	104.8		
85	60.6	47.3	70.9		
99	63.1	49.7	74.5		

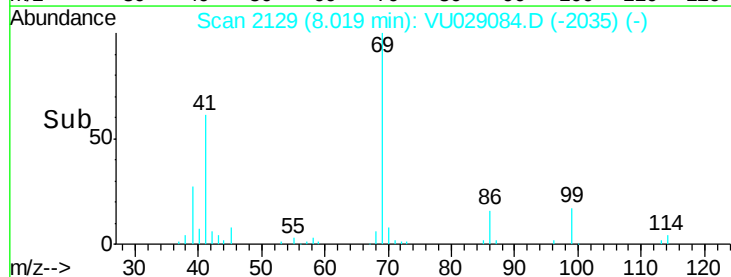
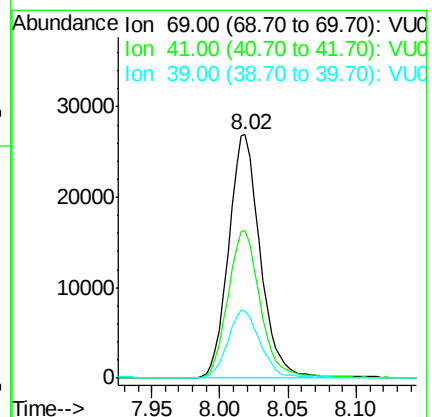
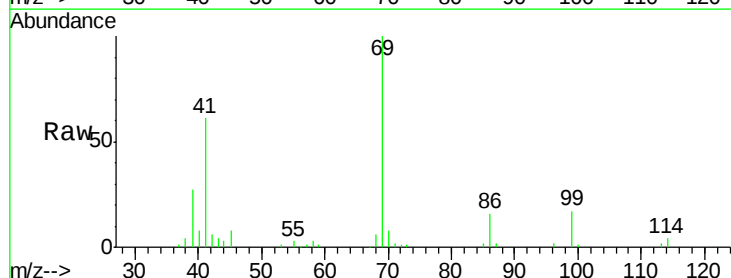
Manual Integrations
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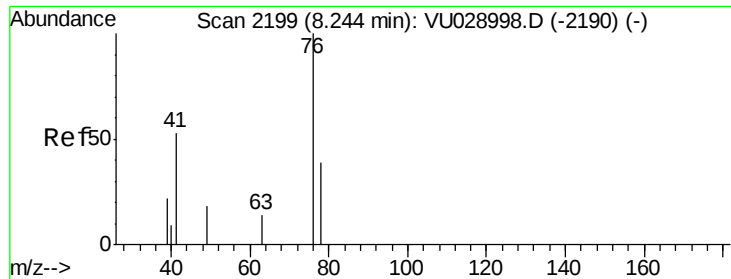
MMDadoda
 1/10/2019 9:38:36 AM



#56
 Ethyl methacrylate
 Concen: 19.684 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		43309		
41	62.6	47.5	71.3		
39	28.8	22.5	33.7		





#57

1,3-Dichloropropane

Concen: 20.655 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion: 76 Resp: 50475

Ion Ratio Lower Upper

76 100

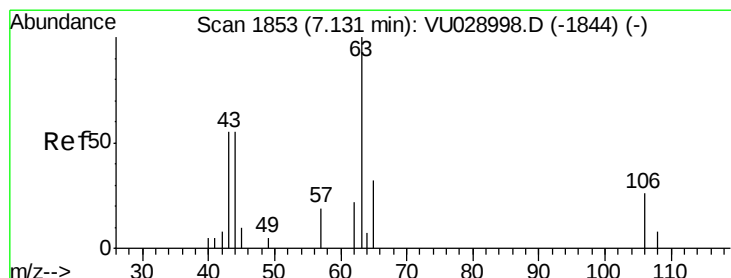
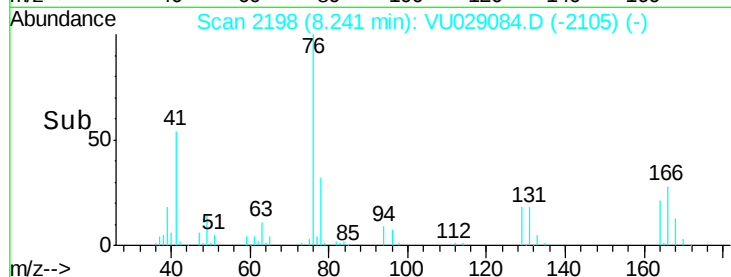
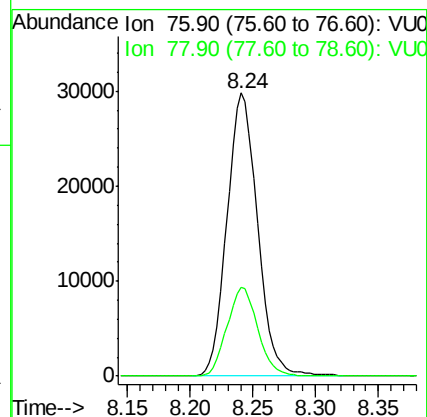
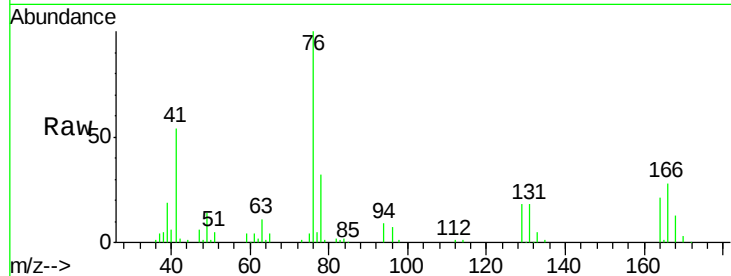
78 31.4 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 97.442 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029084.D

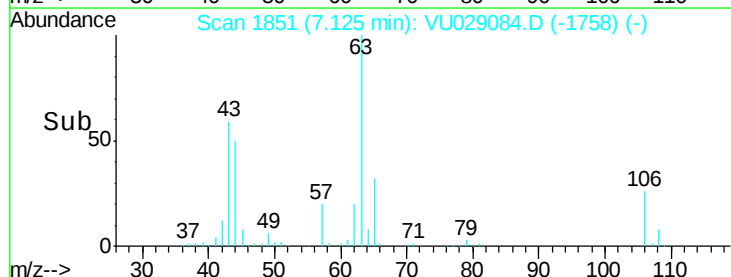
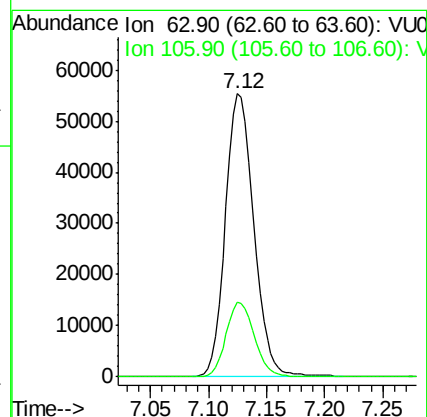
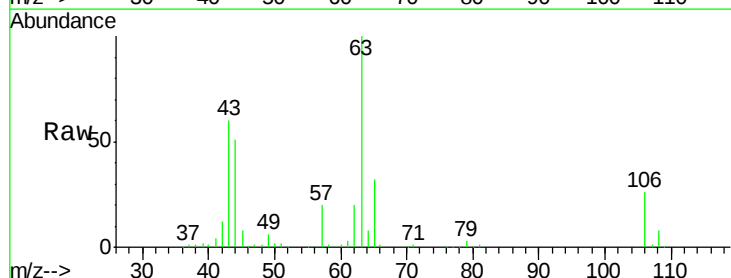
Acq: 09 Jan 2019 10:50

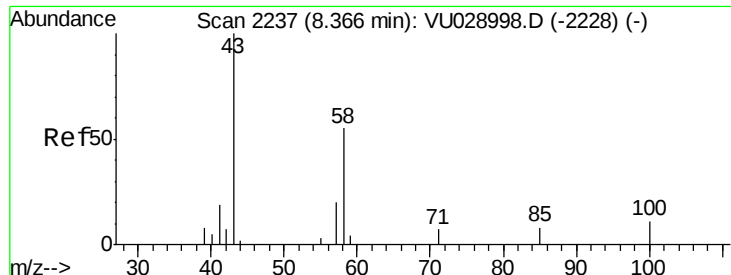
Tgt Ion: 63 Resp: 94286

Ion Ratio Lower Upper

63 100

106 26.2 20.6 31.0





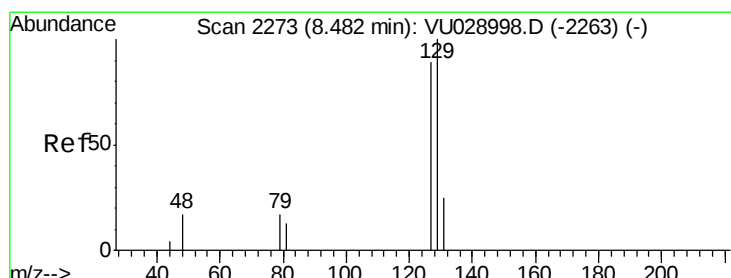
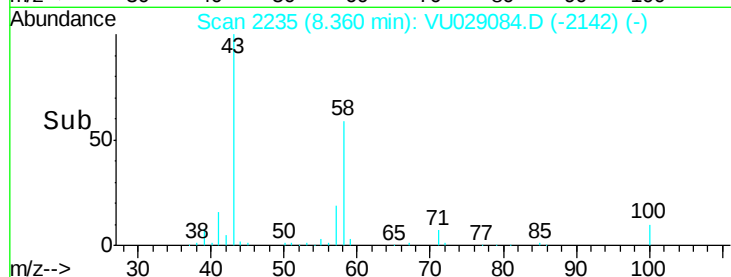
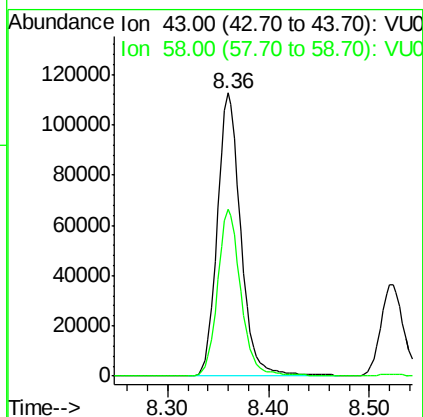
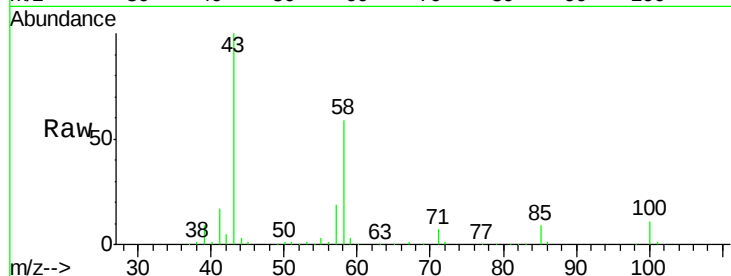
#59
2-Hexanone
Concen: 108.497 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion: 43 Resp: 183215
Ion Ratio Lower Upper
43 100
58 58.3 29.8 89.4

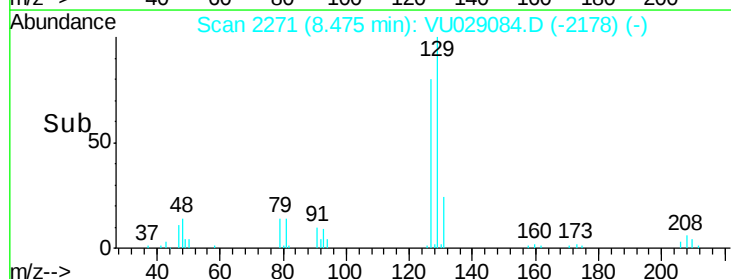
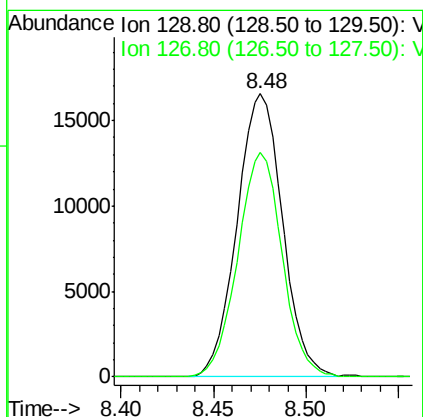
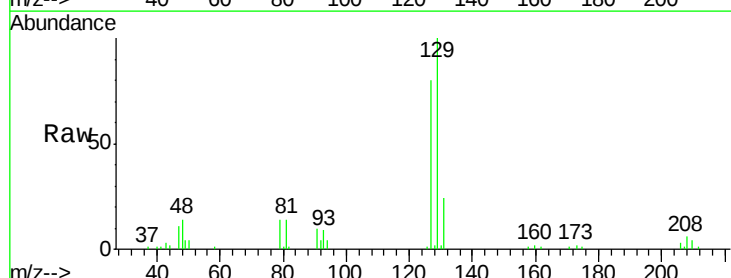
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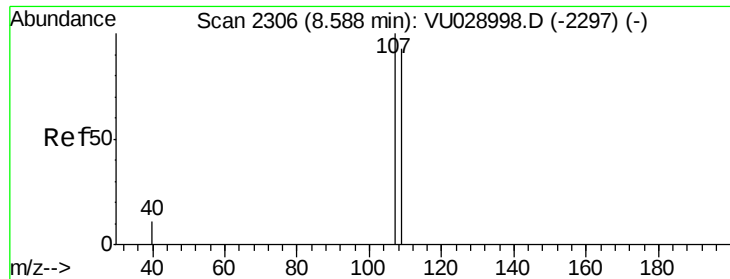
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#60
Dibromochloromethane
Concen: 19.955 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion:129 Resp: 28234
Ion Ratio Lower Upper
129 100
127 77.4 38.0 114.0





#61

1,2-Dibromoethane

Concen: 20.141 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion:107 Resp: 31197

Ion Ratio Lower Upper

107 100

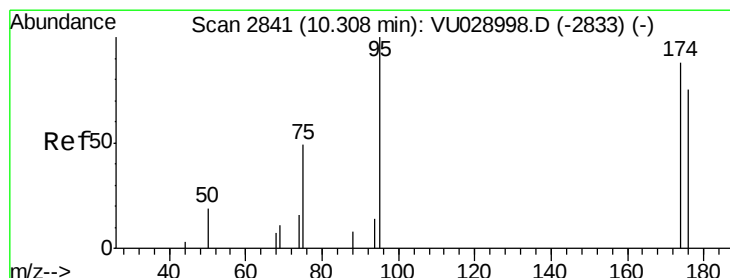
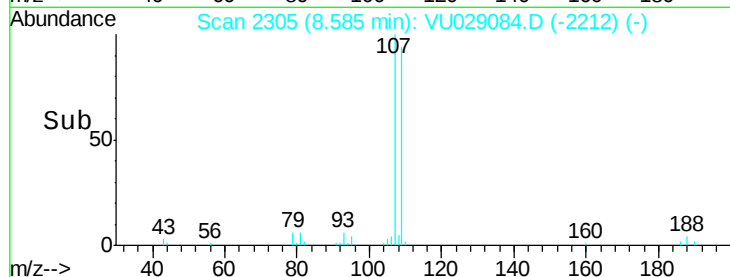
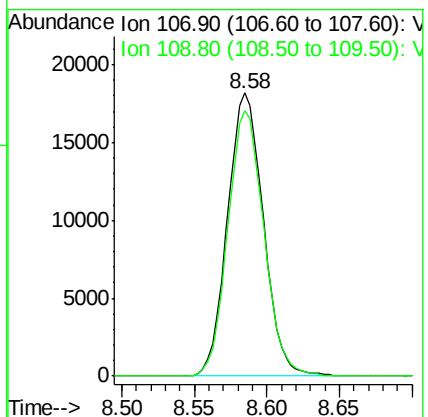
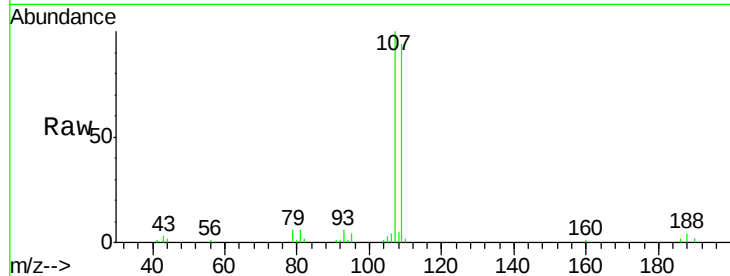
109 94.2 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 47.387 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

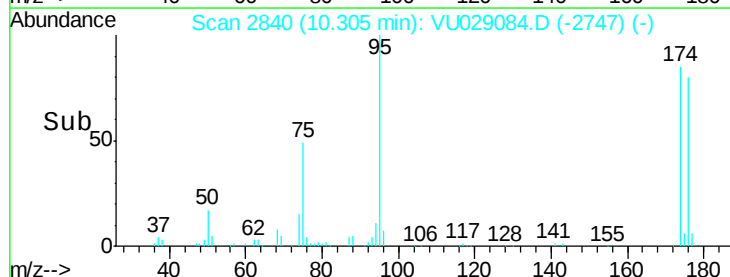
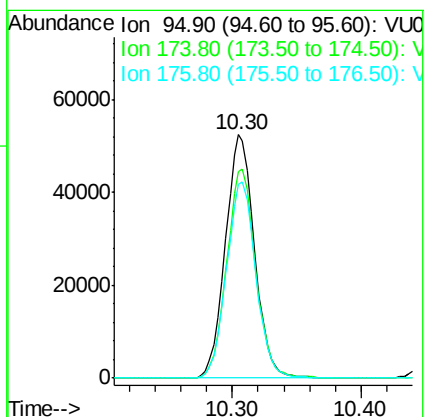
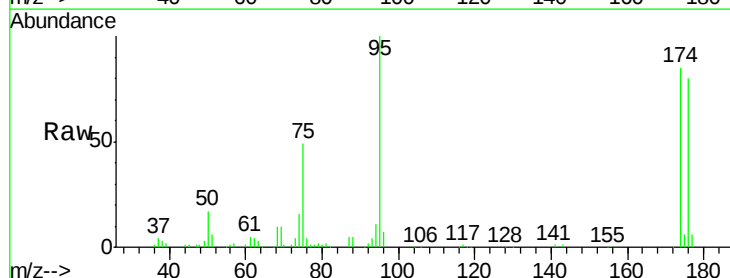
Tgt Ion: 95 Resp: 81854

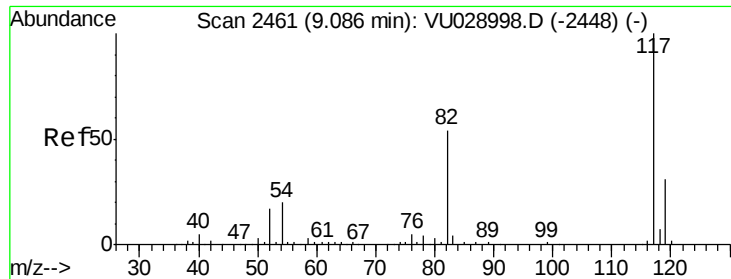
Ion Ratio Lower Upper

95 100

174 85.6 0.0 170.6

176 81.3 0.0 165.0





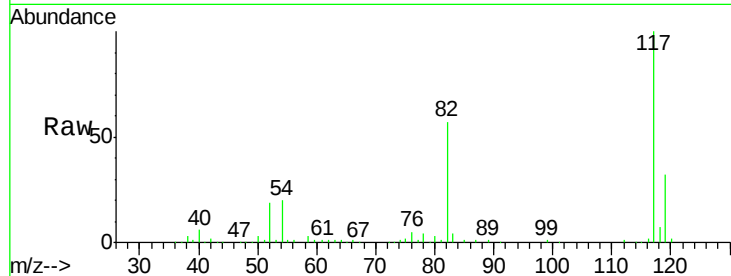
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

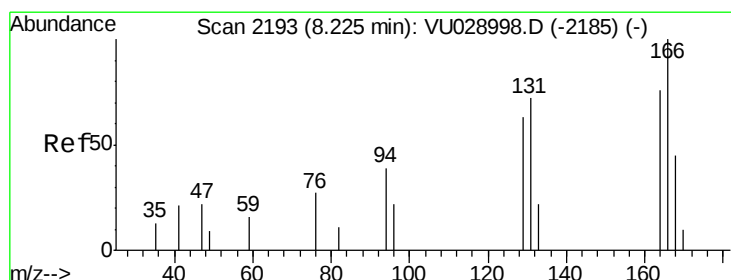
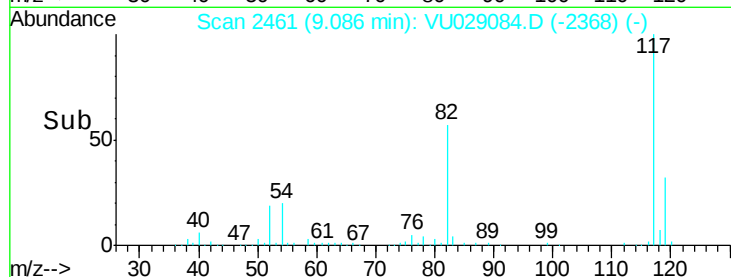
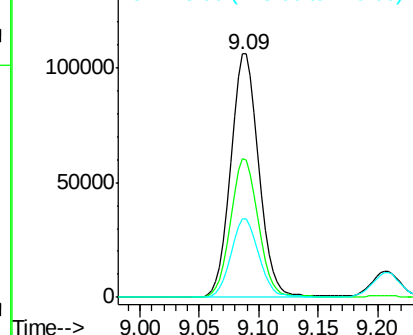
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	43.9	65.9
119	32.0	26.0	39.0

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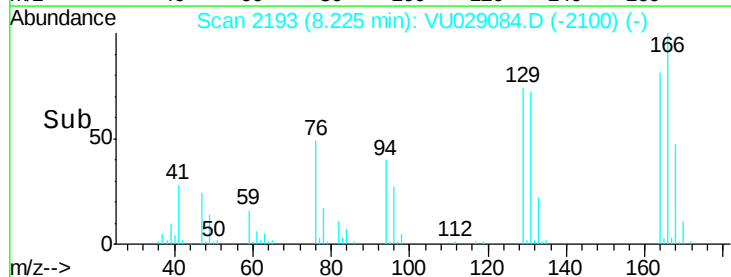
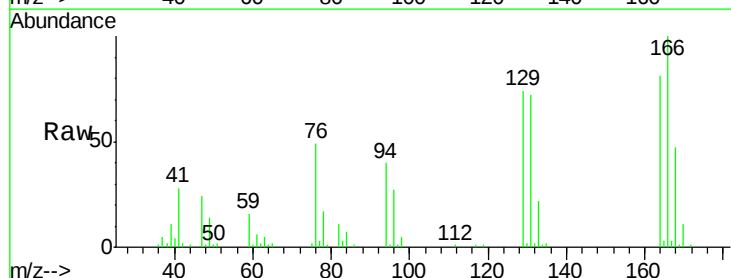
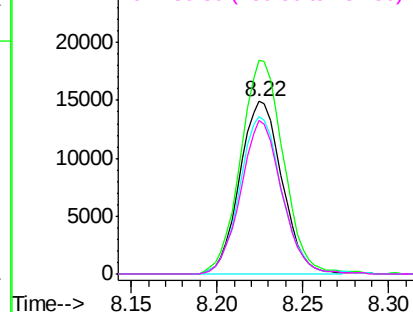
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

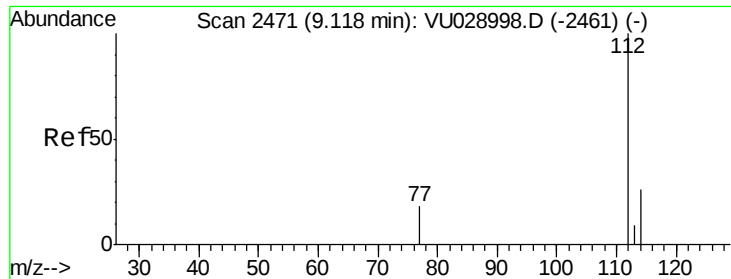


#64
Tetrachloroethene
Concen: 20.383 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	99.4	149.0
129	91.5	70.5	105.7
131	89.1	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





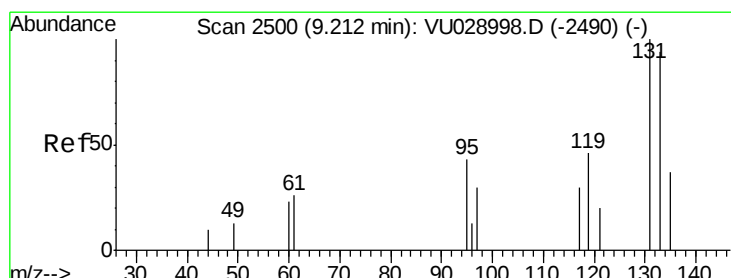
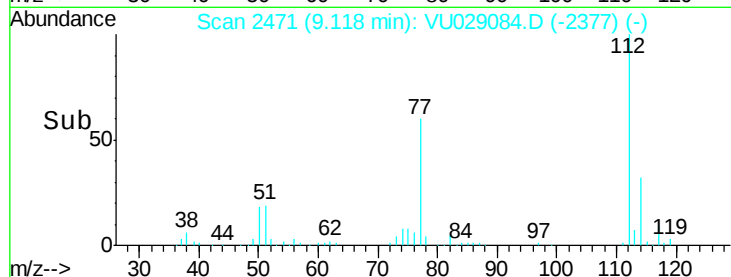
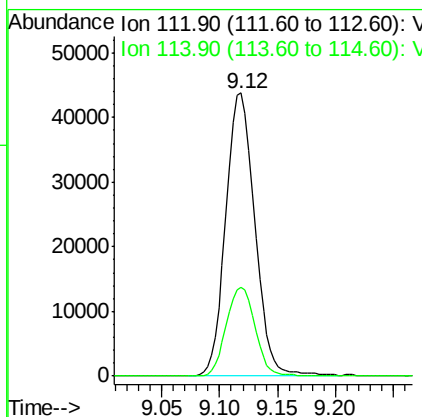
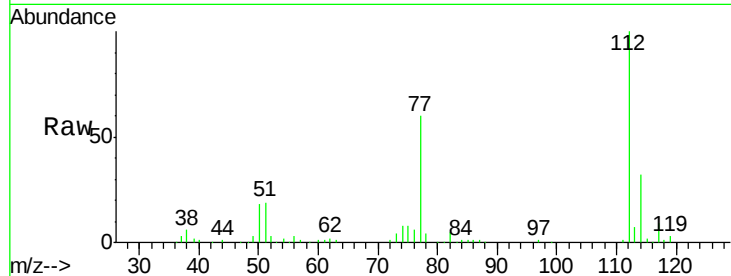
#65
Chlorobenzene
Concen: 19.487 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion:112 Resp: 76159
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6

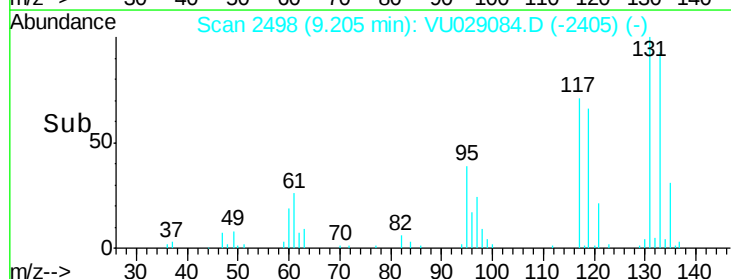
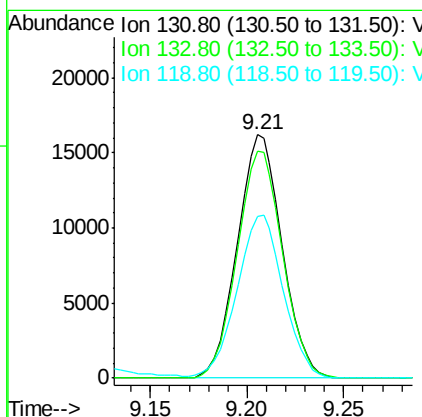
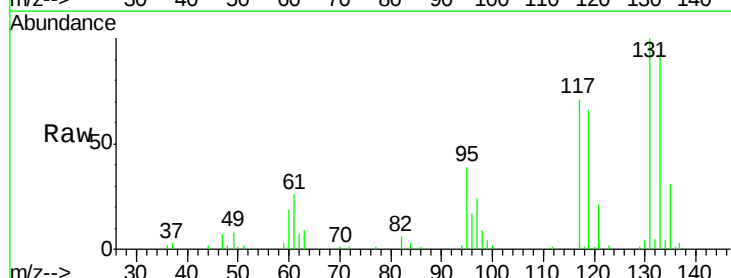
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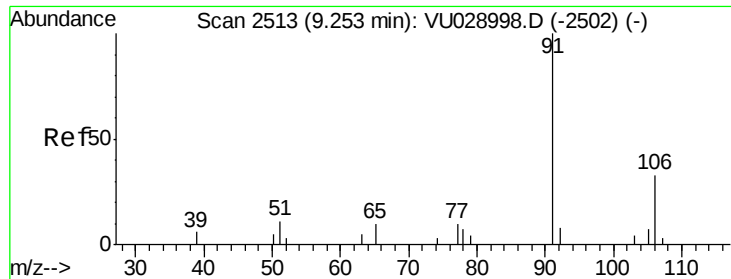
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.537 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion:131 Resp: 26047
Ion Ratio Lower Upper
131 100
133 94.6 48.2 144.6
119 69.2 35.4 106.3





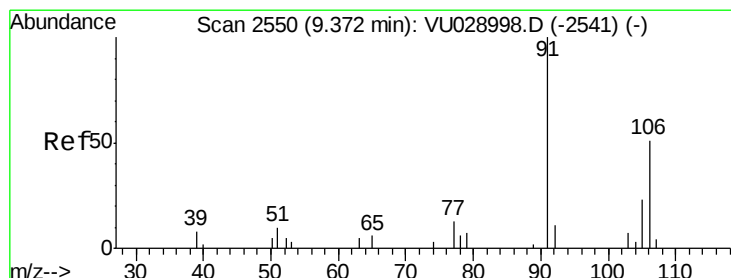
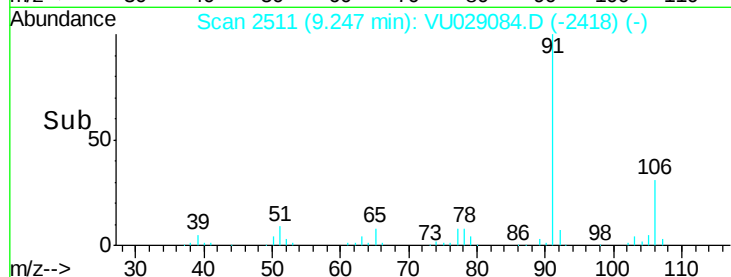
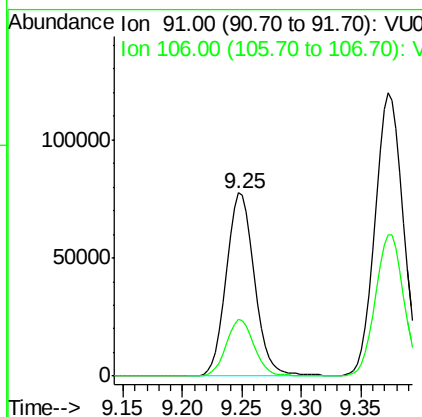
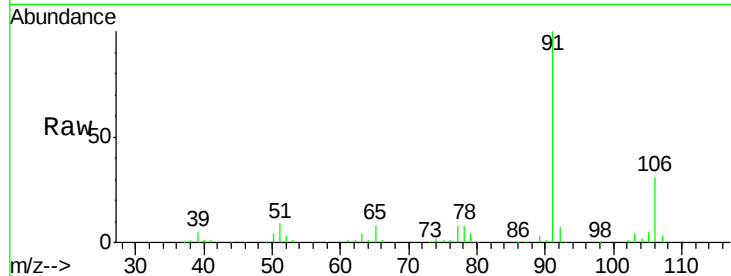
#67
Ethyl Benzene
Concen: 19.651 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion: 91 Resp: 128224
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4

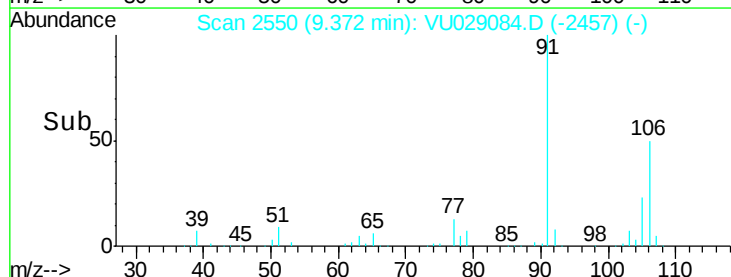
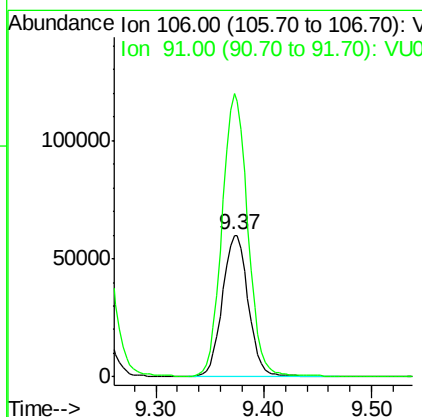
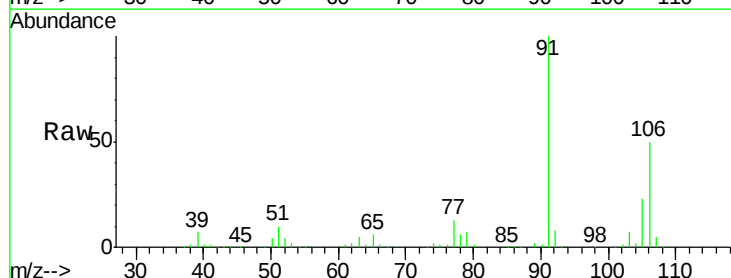
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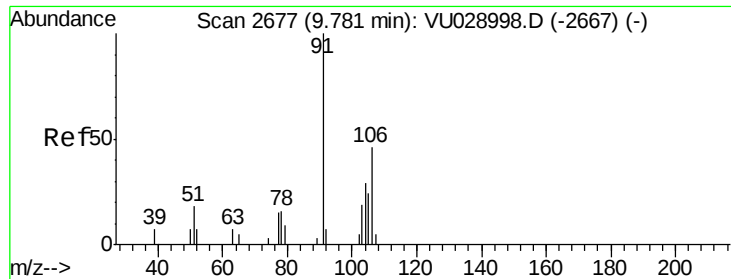
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#68
m/p-Xylenes
Concen: 39.692 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion: 106 Resp: 100630
Ion Ratio Lower Upper
106 100
91 197.5 161.7 242.5





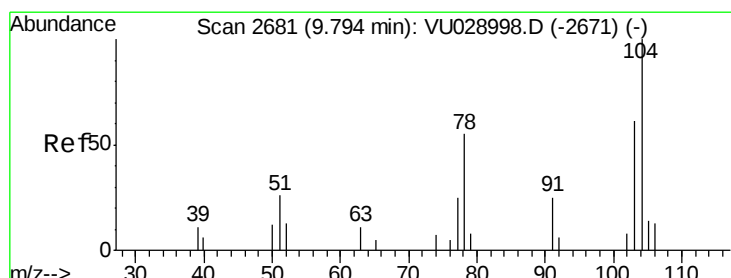
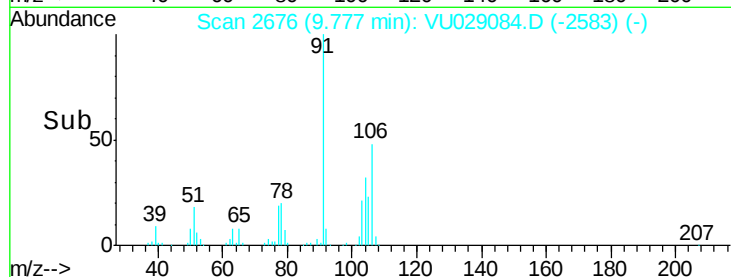
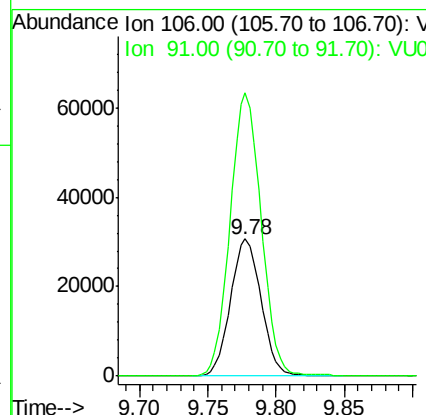
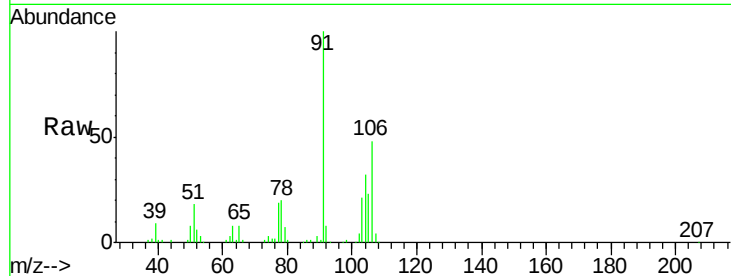
#69
o-Xylene
Concen: 19.686 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion:106 Resp: 48089
Ion Ratio Lower Upper
106 100
91 208.9 106.1 318.3

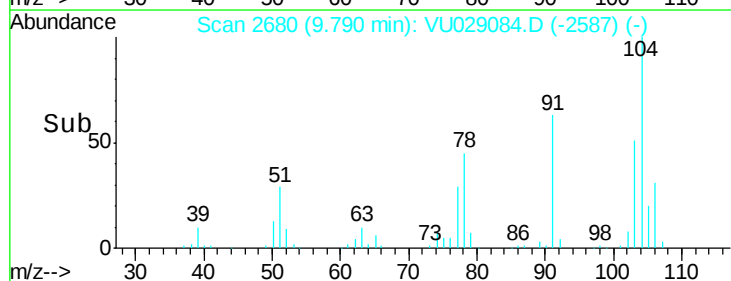
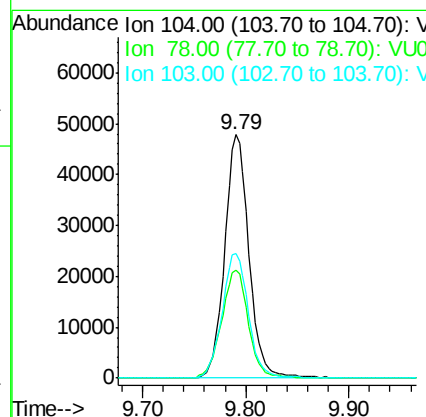
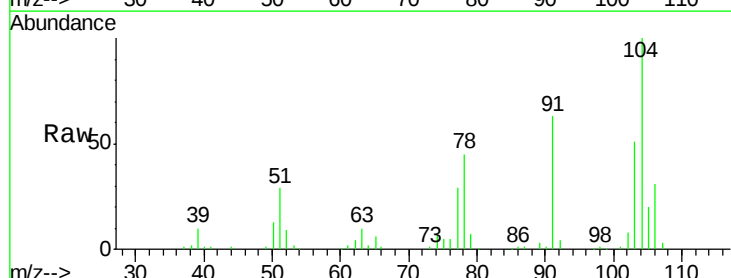
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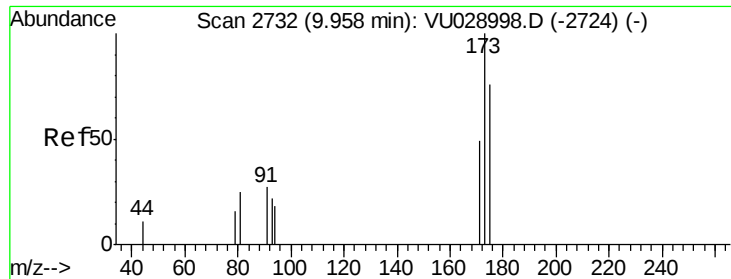
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#70
Styrene
Concen: 19.504 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion:104 Resp: 78109
Ion Ratio Lower Upper
104 100
78 48.9 38.6 58.0
103 55.7 44.5 66.7





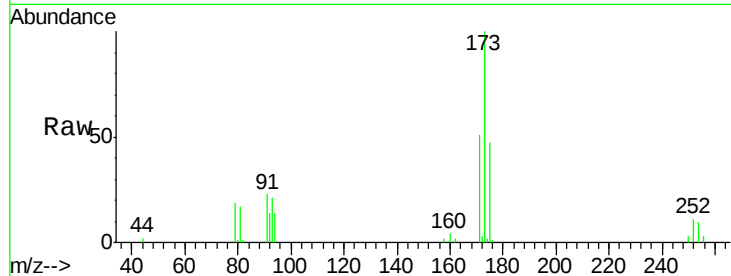
#71
Bromoform
Concen: 19.990 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

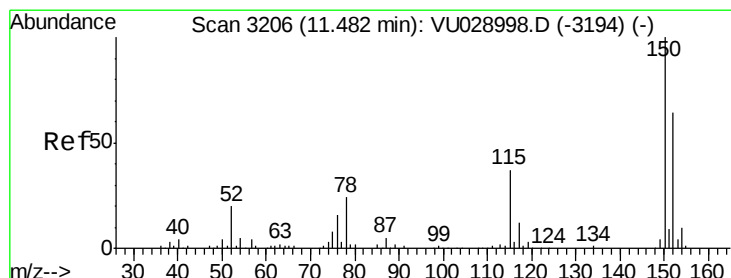
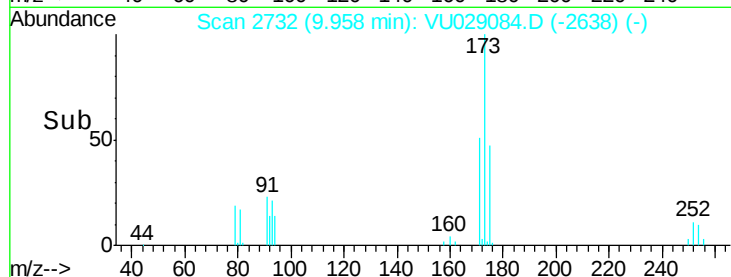
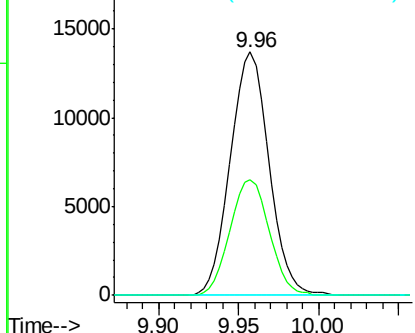
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.2
254	0.0	0.0	0.0

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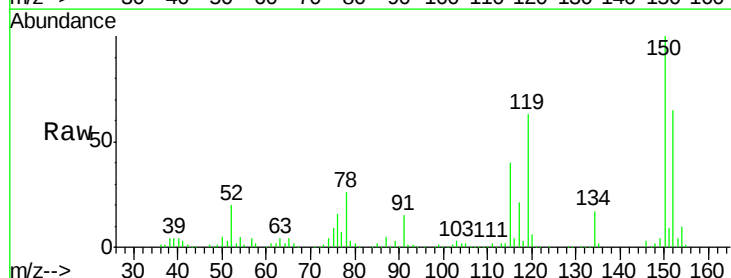


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

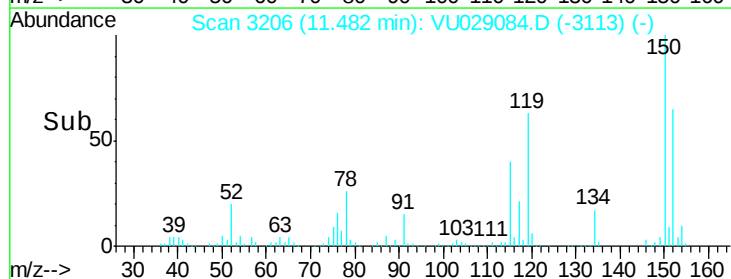
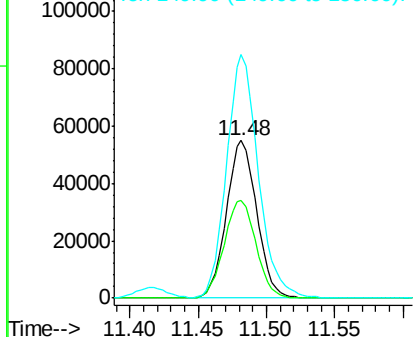


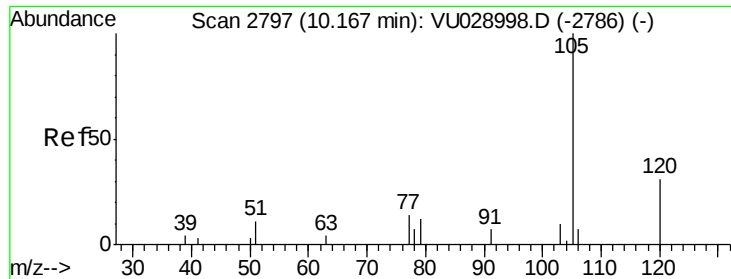
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	40.1	120.3
150	161.3	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: 19.826 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion:105 Resp: 124673

Ion Ratio Lower Upper

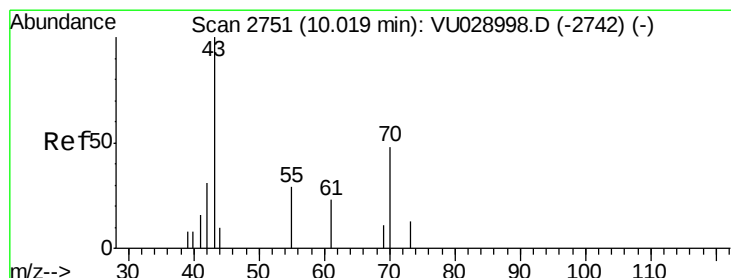
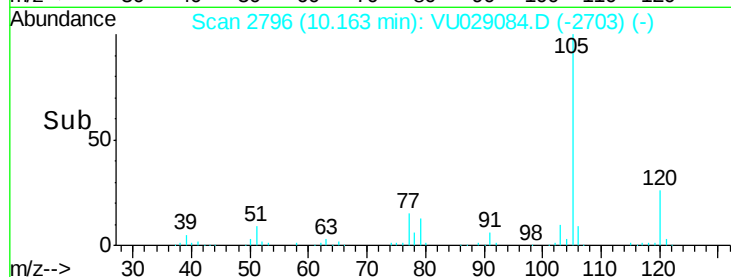
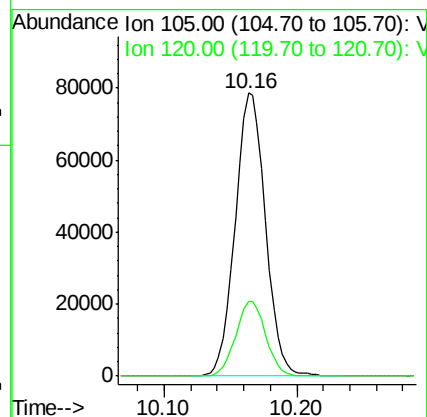
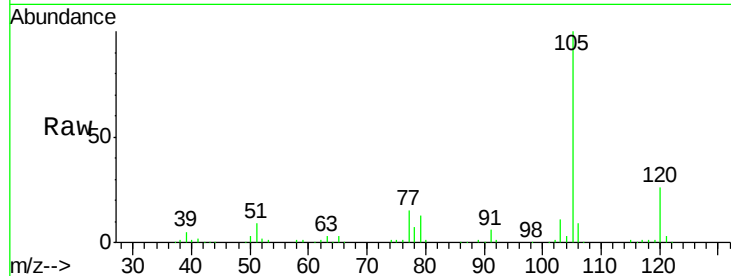
105 100

120 26.2 13.2 39.5

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#74

N-ethyl acetate

Concen: 20.803 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Tgt Ion: 43 Resp: 56369

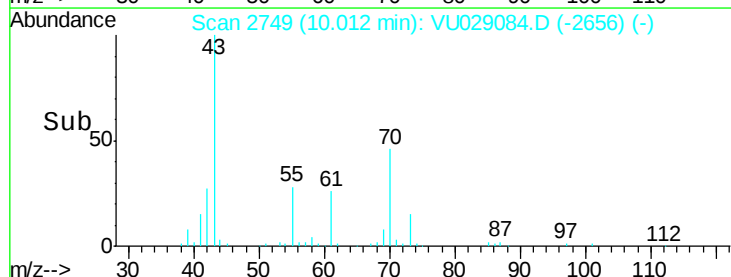
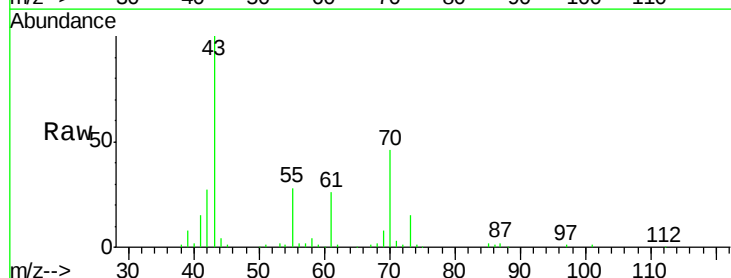
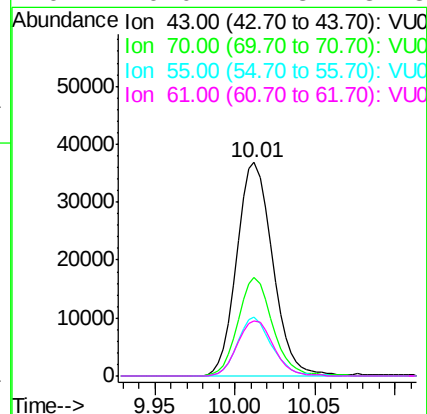
Ion Ratio Lower Upper

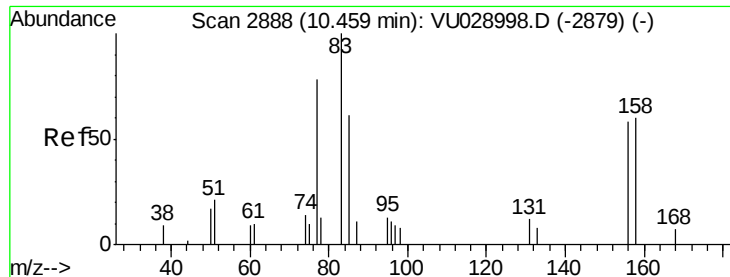
43 100

70 44.4 36.3 54.5

55 26.2 20.5 30.7

61 26.0 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.901 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

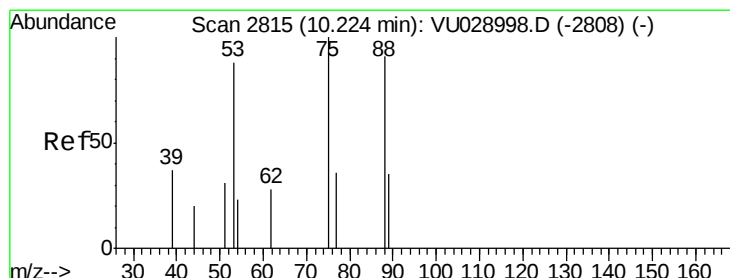
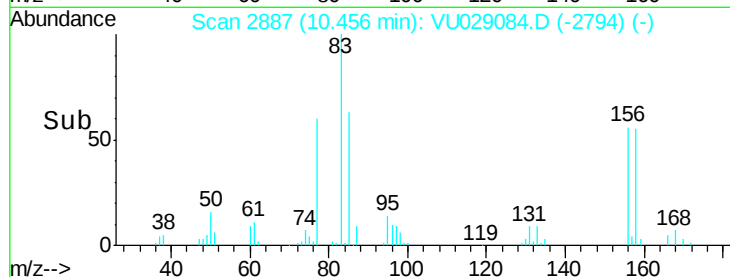
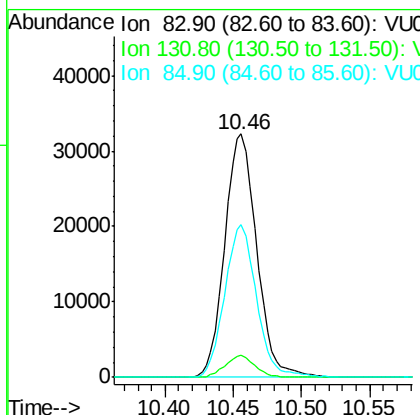
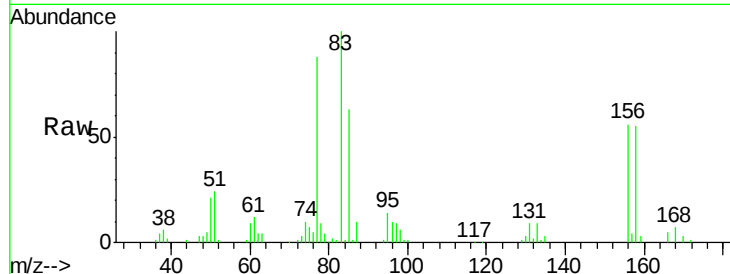
ClientSampleId :

VU0109WBSD01

Tot Ion:	83	Resp:	52675
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.7	14.1
85	62.2	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 20.950 ug/l m

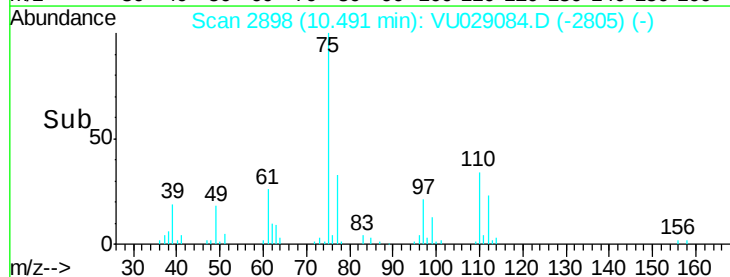
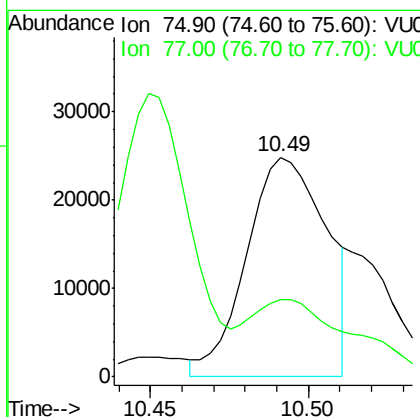
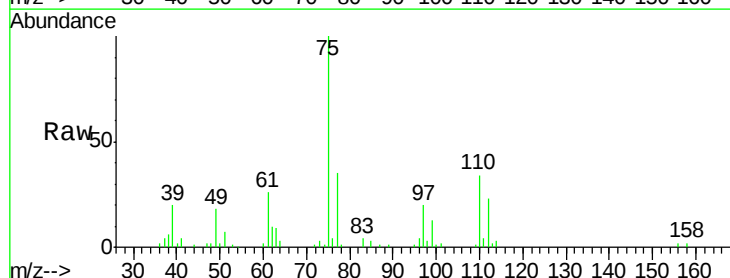
RT: 10.49 min Scan# 2898

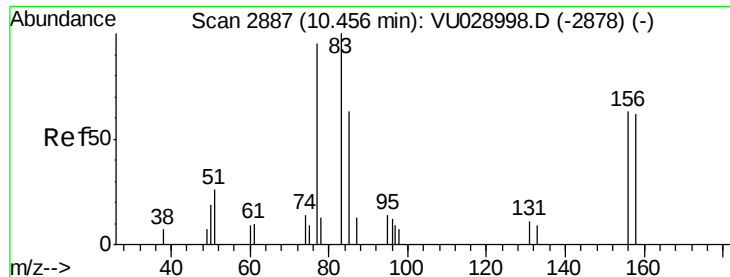
Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Tgt Ion:	75	Resp:	43610
Ion Ratio	Lower	Upper	
75	100		
77	44.6	20.9	62.8





#77

Bromobenzene

Concen: 19.770 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion:156 Resp: 32398

Ion Ratio Lower Upper

156 100

77 160.5 79.0 237.2

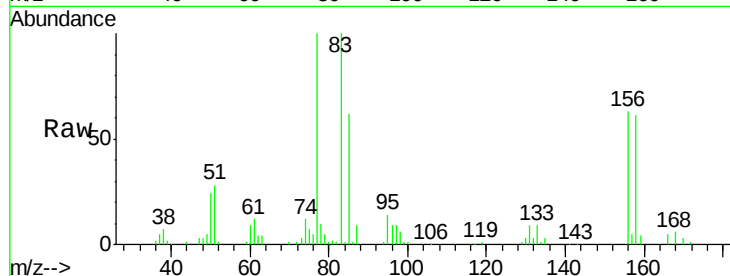
158 98.1 48.9 146.6

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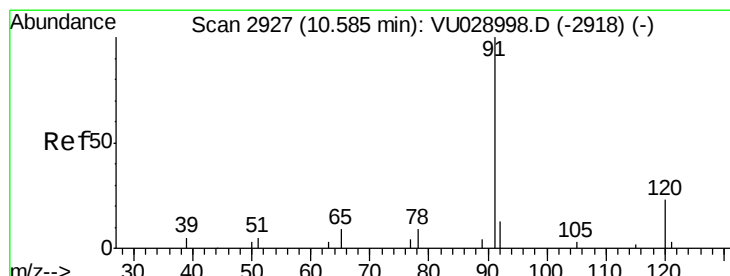
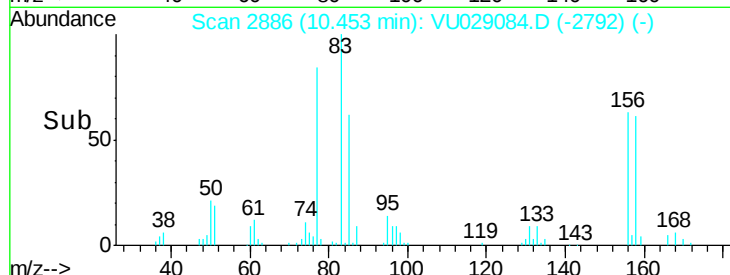
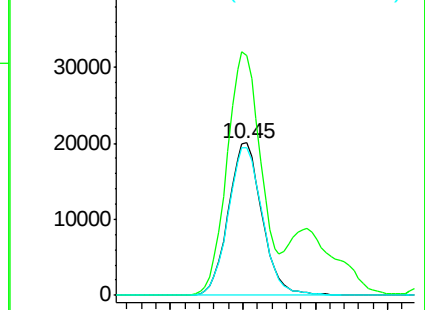
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.104 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029084.D

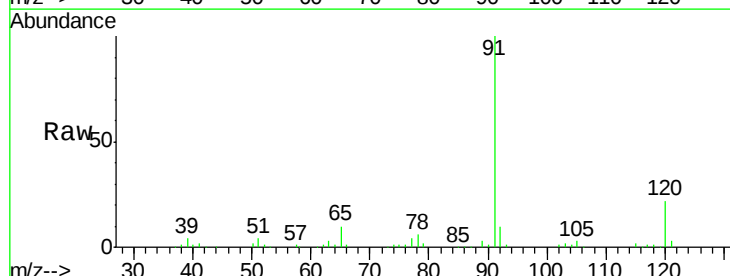
Acq: 09 Jan 2019 10:50

Tgt Ion: 91 Resp: 148984

Ion Ratio Lower Upper

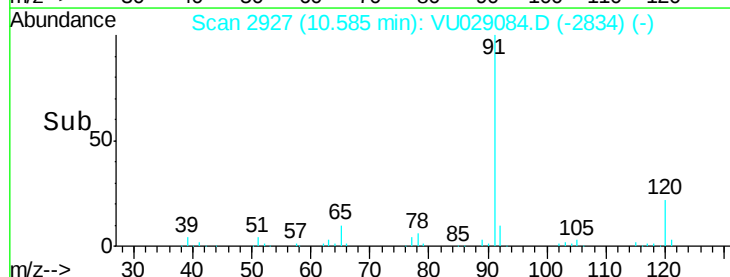
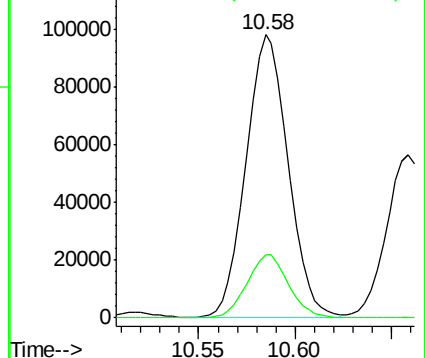
91 100

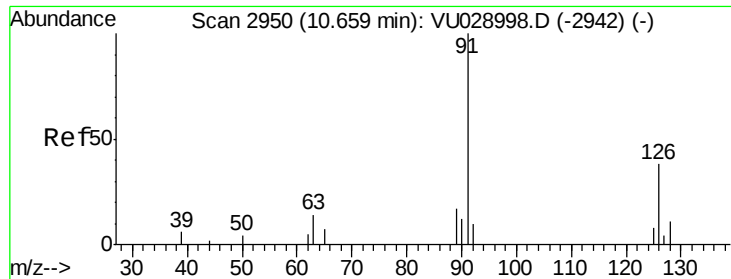
120 22.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.027 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion: 91 Resp: 90029

Ion Ratio Lower Upper

91 100

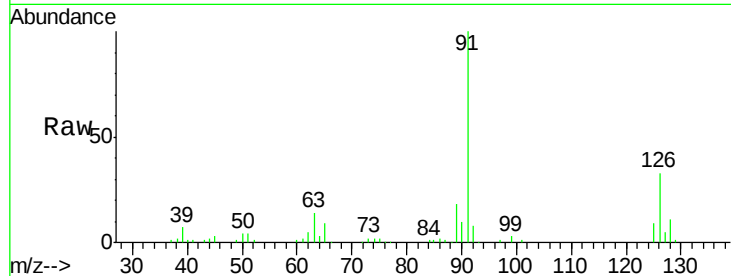
126 33.1 16.8 50.4

Manual Integrations

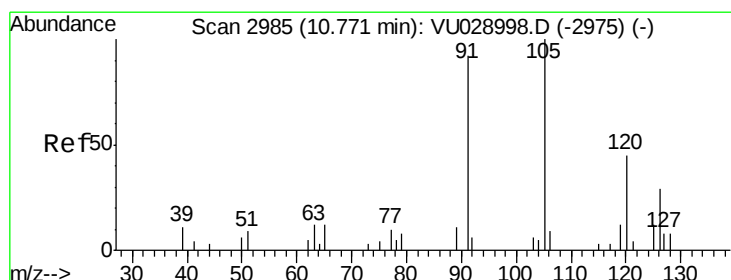
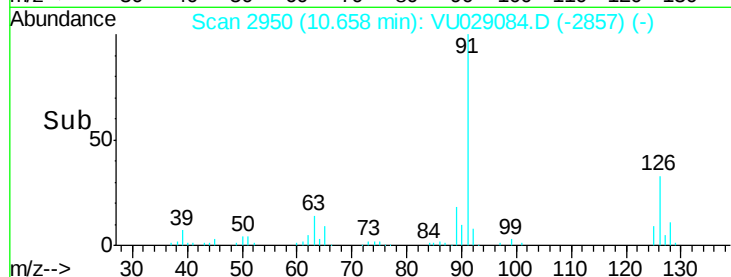
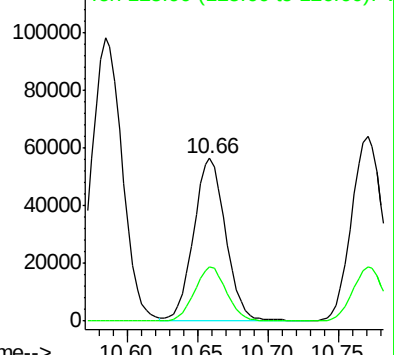
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Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-2942) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.802 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029084.D

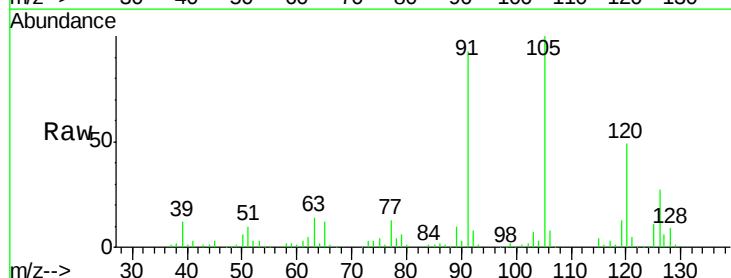
Acq: 09 Jan 2019 10:50

Tgt Ion: 105 Resp: 103983

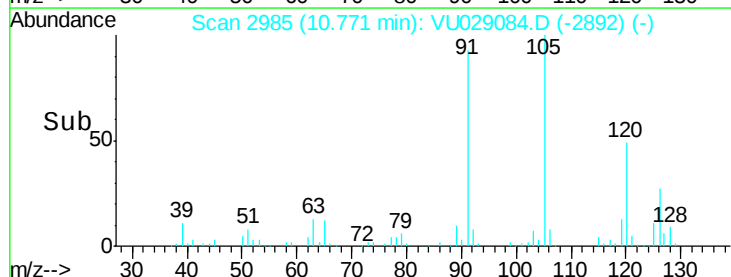
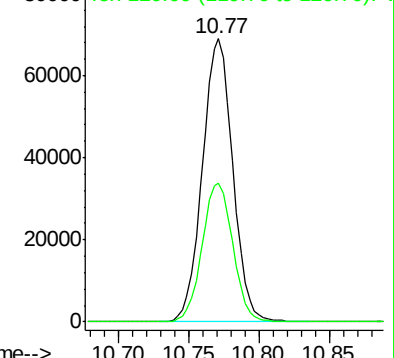
Ion Ratio Lower Upper

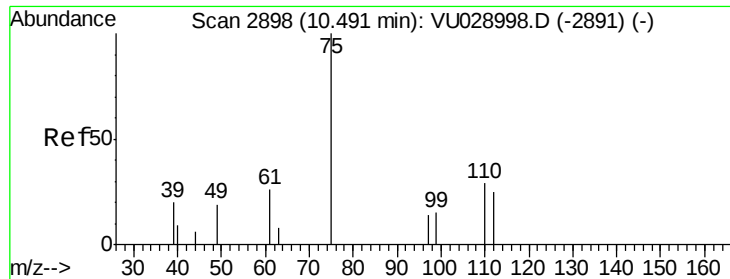
105 100

120 49.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028998.D (-2975) (-)





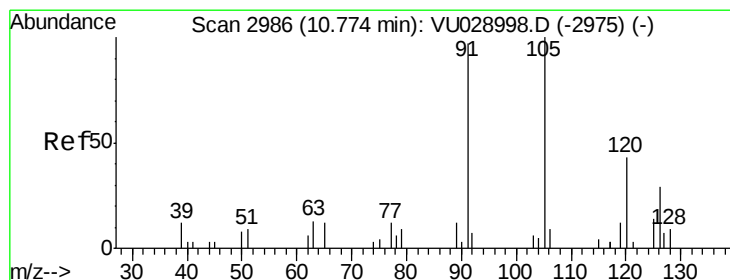
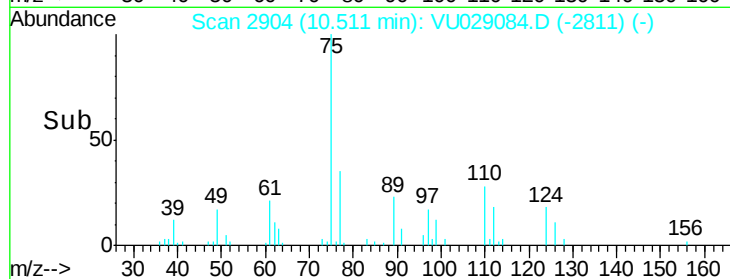
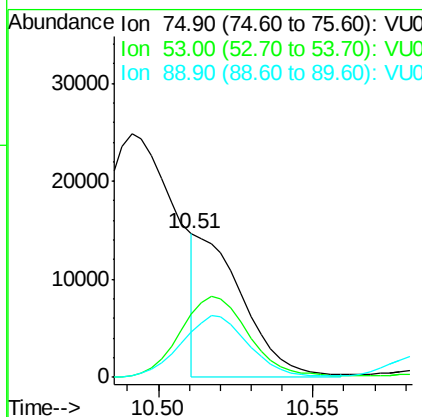
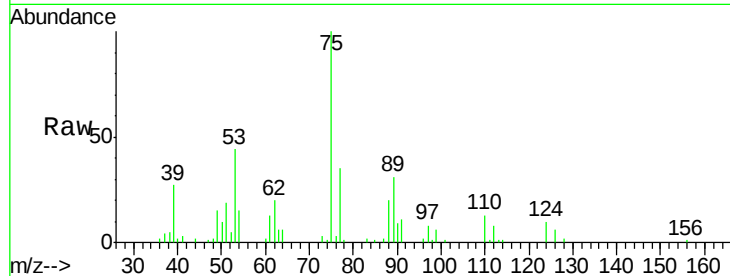
#81
trans-1,4-Dichloro-2-butene
Concen: 18.828 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

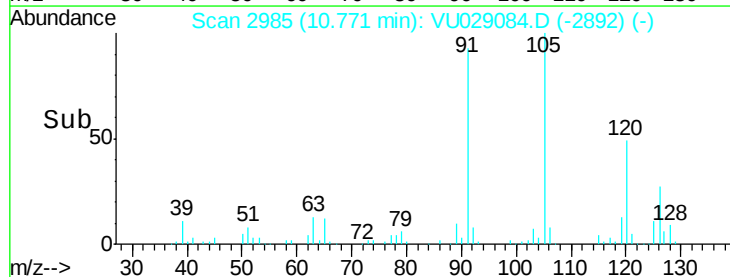
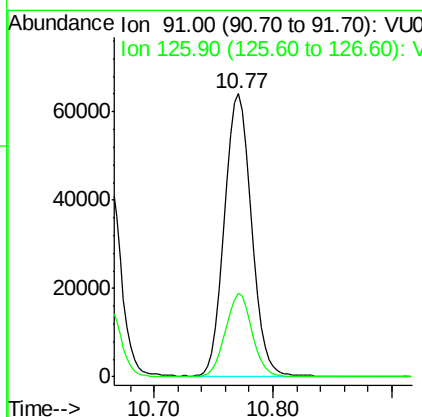
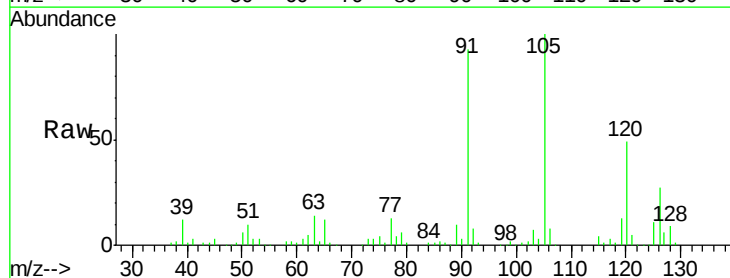
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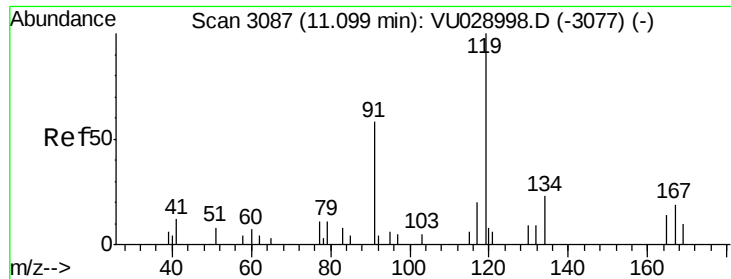
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#82
4-Chlorotoluene
Concen: 19.585 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	15.5	46.5





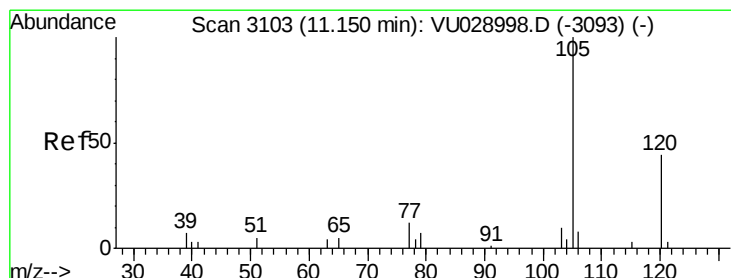
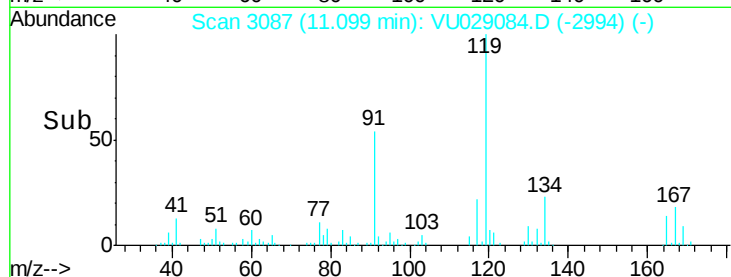
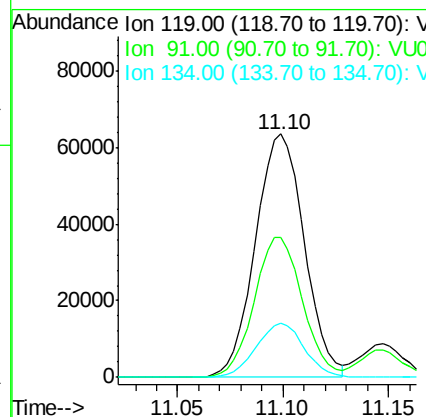
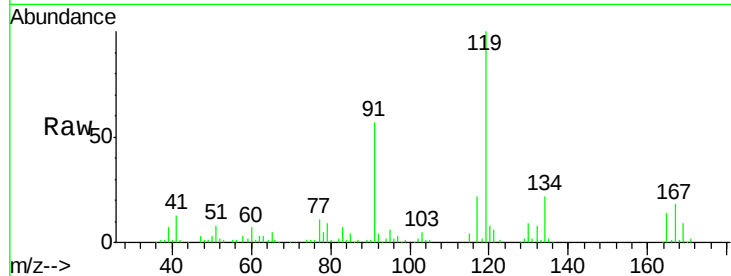
#83
tert-Butylbenzene
Concen: 19.803 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	102494		
91	56.7	28.2	84.6	
134	21.9	11.3	33.8	

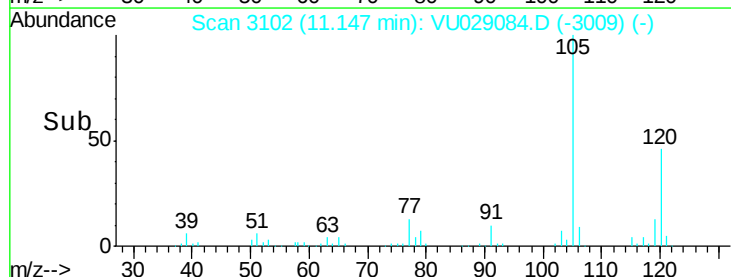
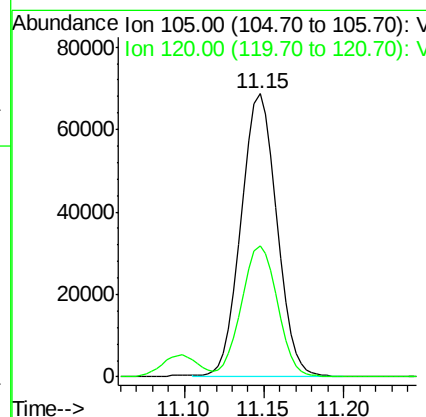
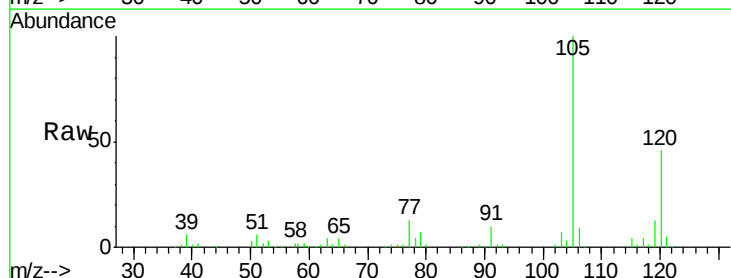
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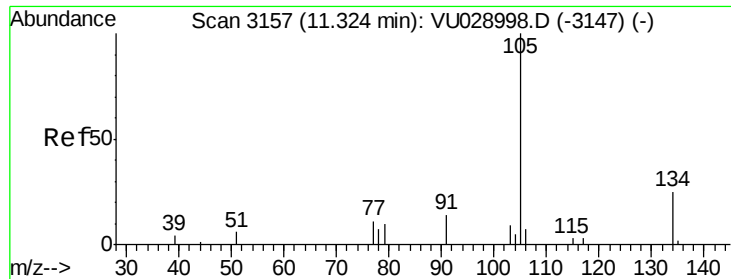
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#84
1,2,4-Trimethylbenzene
Concen: 19.778 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	103691		
120	47.0	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.099 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

VU0109WBSD01

Tot Ion:105 Resp: 125809

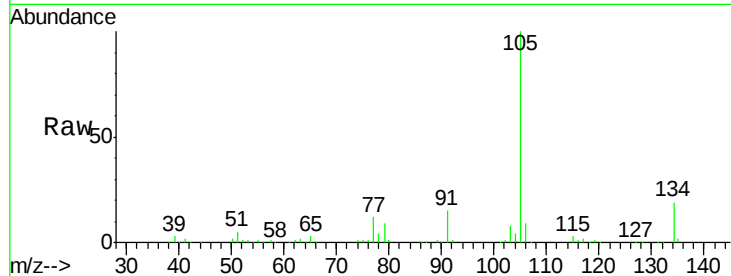
Ion Ratio Lower Upper

105 100

134 18.8 9.7 29.1

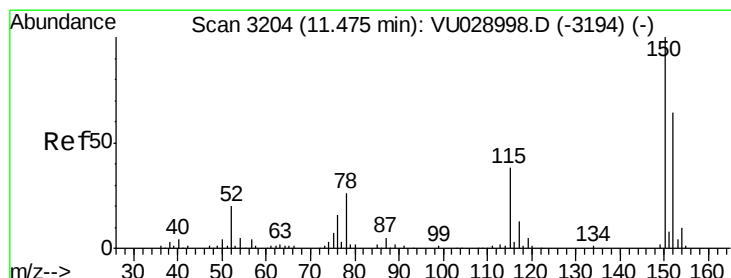
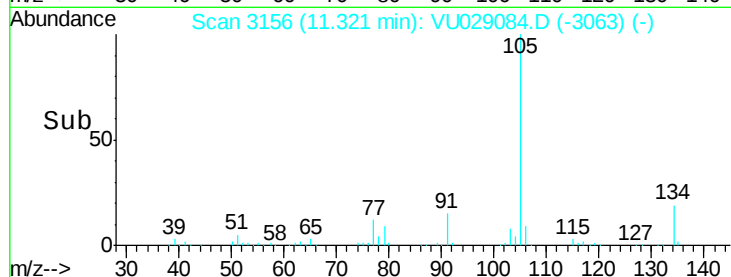
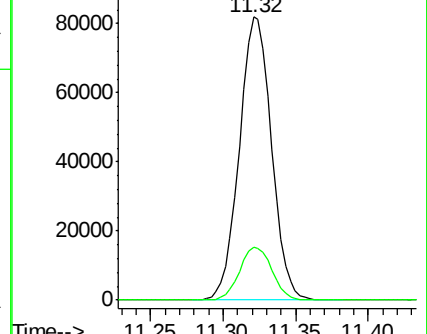
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.890 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU029084.D

Acq: 09 Jan 2019 10:50

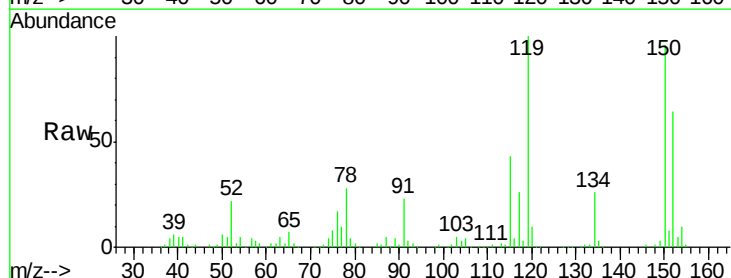
Tgt Ion:119 Resp: 106092

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

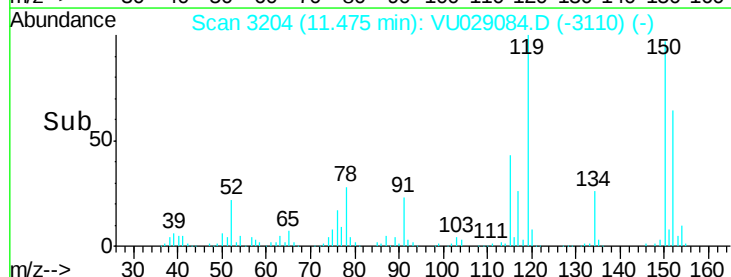
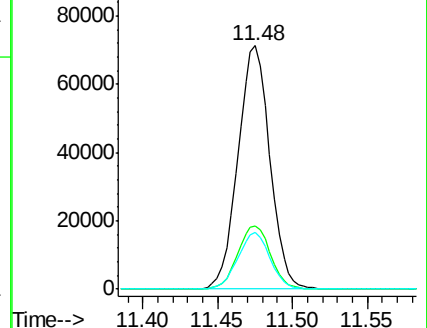
91 23.4 11.3 33.8

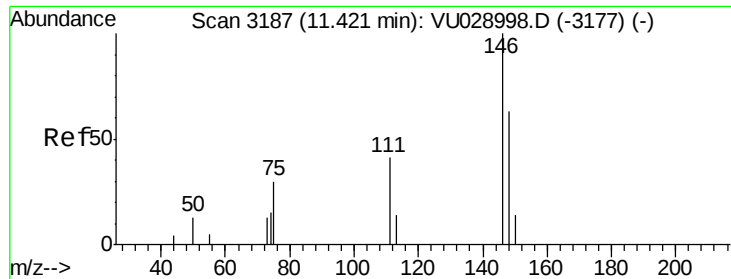


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





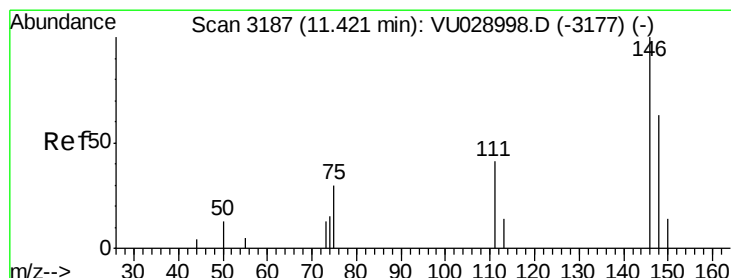
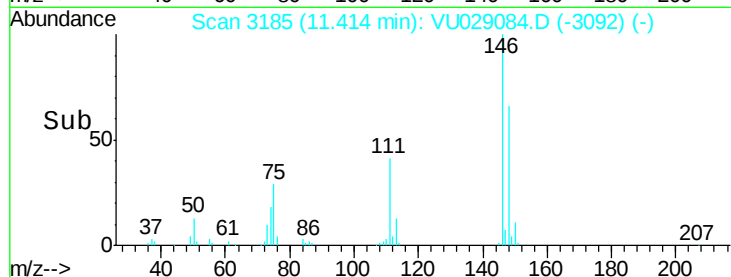
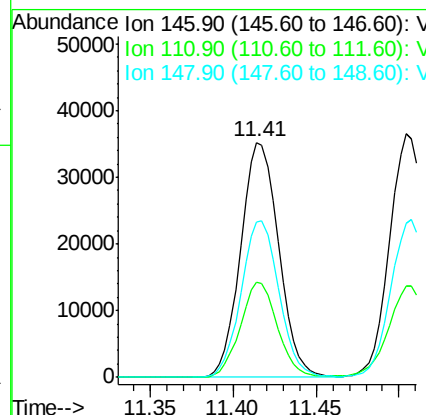
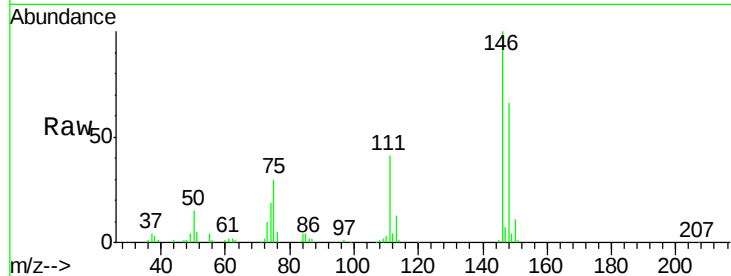
#87
 1,3-Dichlorobenzene
 Concen: 18.774 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.8
148	66.3	32.5	97.5

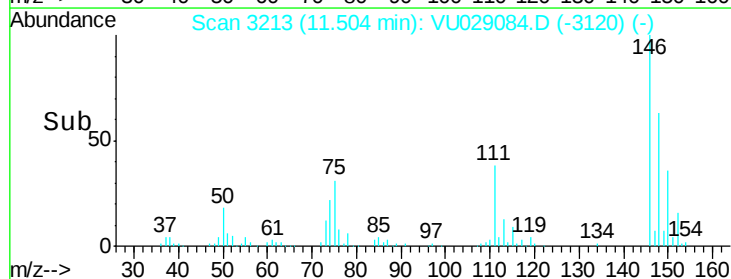
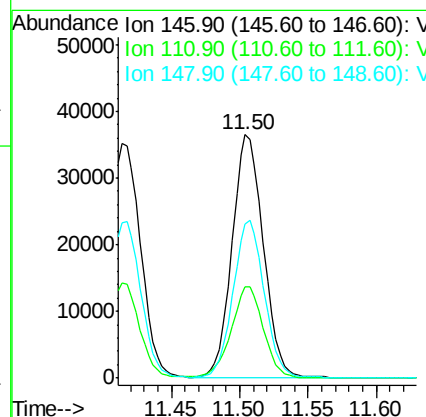
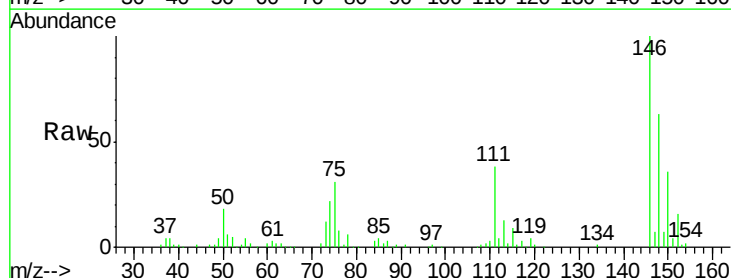
Manual Integrations
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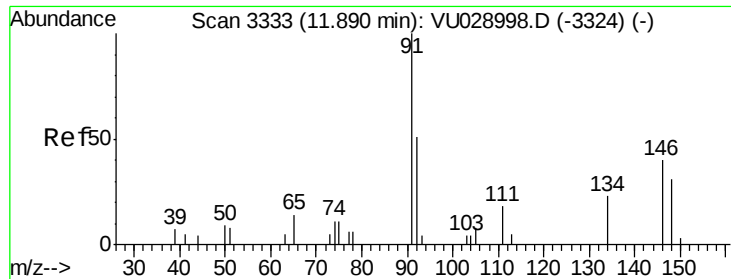
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 1/10/2019 9:38:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.668 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.3
148	65.2	32.6	98.0





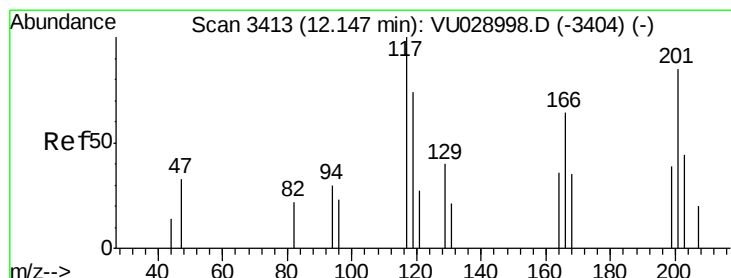
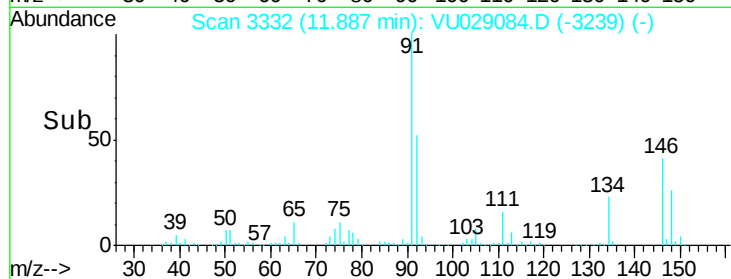
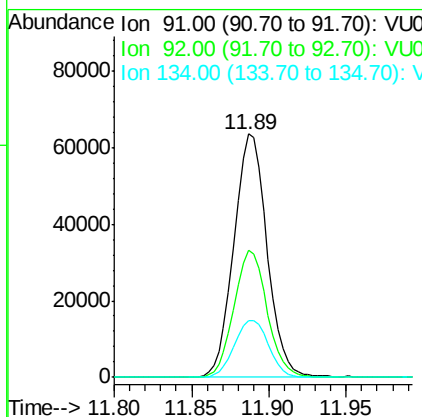
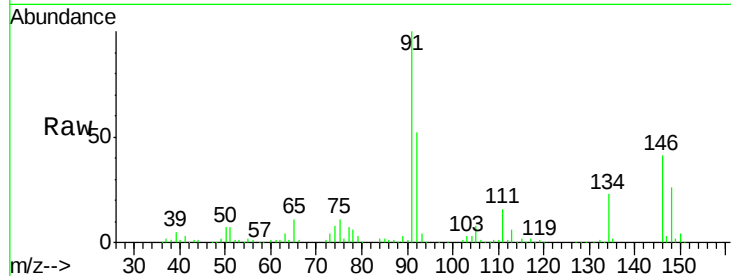
#89
n-Butylbenzene
Concen: 19.913 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion: 91 Resp: 94799
Ion Ratio Lower Upper
91 100
92 52.0 26.2 78.5
134 24.2 12.6 37.6

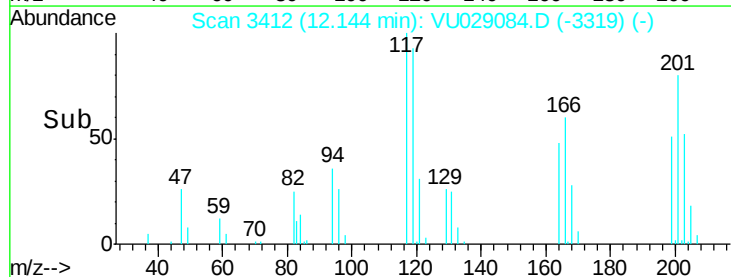
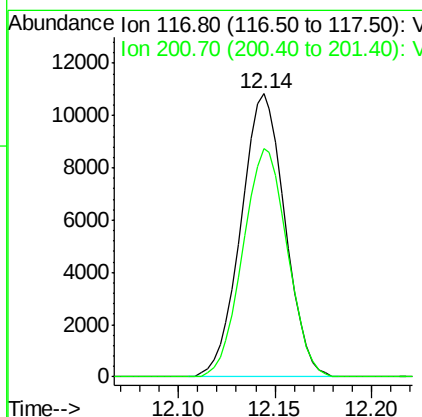
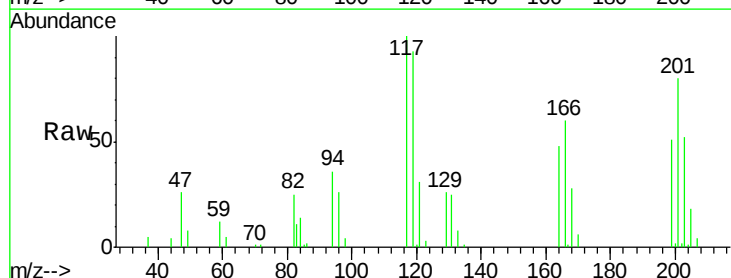
Manual Integrations
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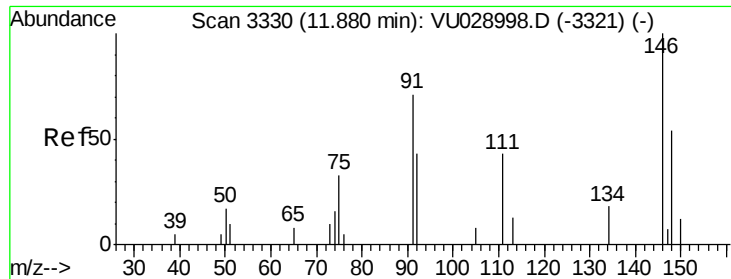
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1/10/2019 9:38:36 AM



#90
Hexachloroethane
Concen: 19.138 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion: 117 Resp: 17173
Ion Ratio Lower Upper
117 100
201 81.7 42.4 127.3





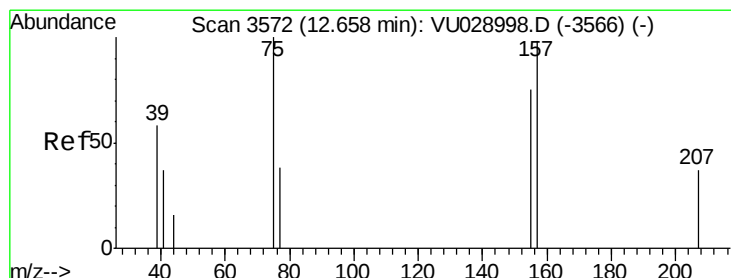
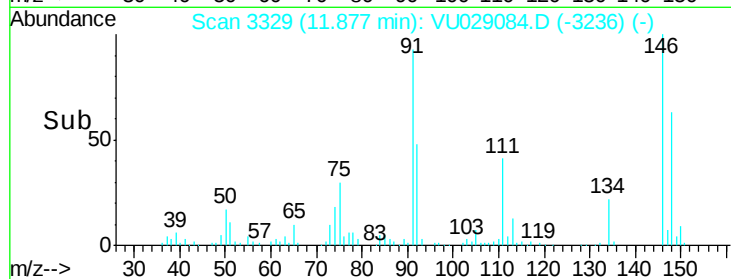
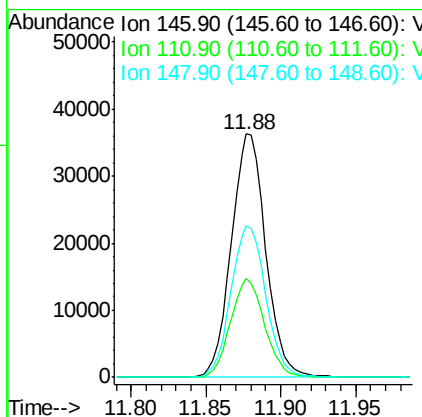
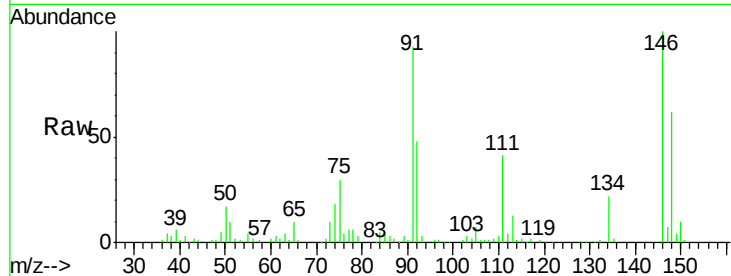
#91
 1,2-Dichlorobenzene
 Concen: 19.201 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.4	31.6	94.8

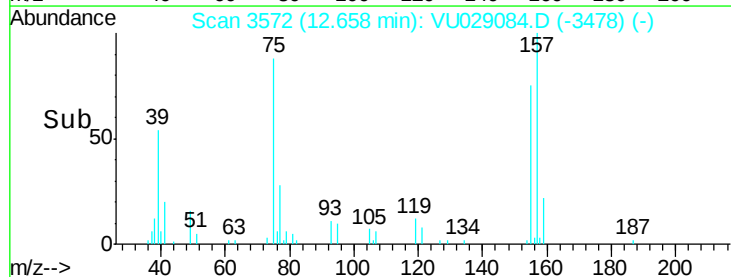
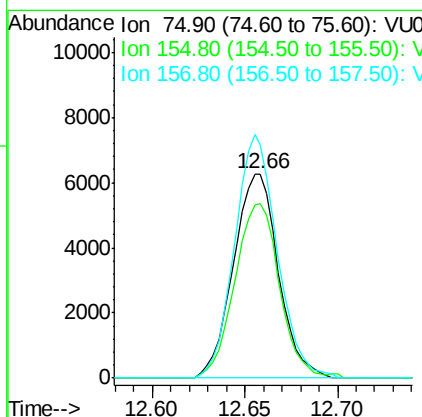
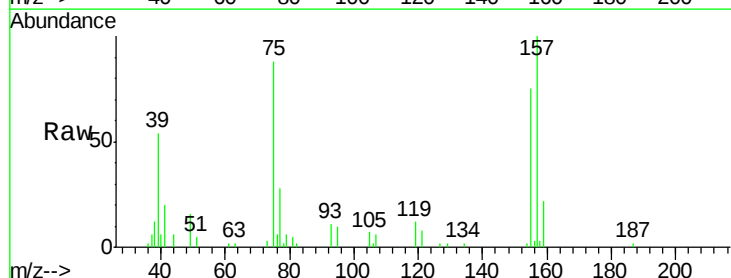
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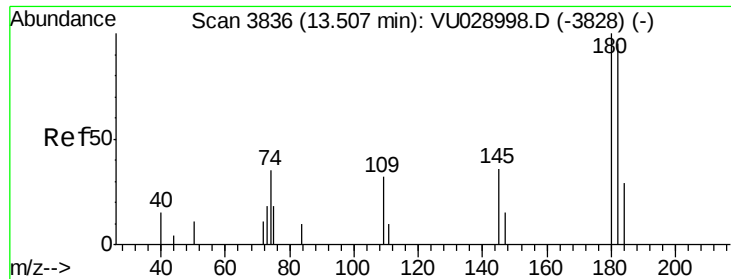
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.738 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	46.3	138.8
157	112.9	57.4	172.0





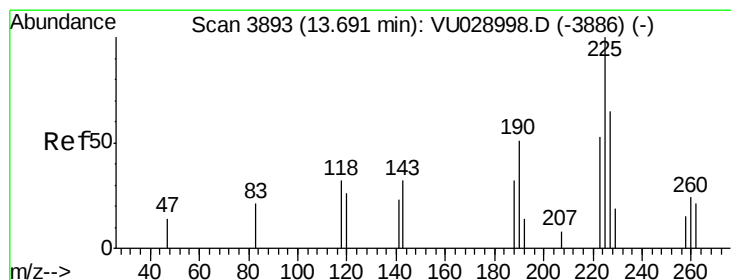
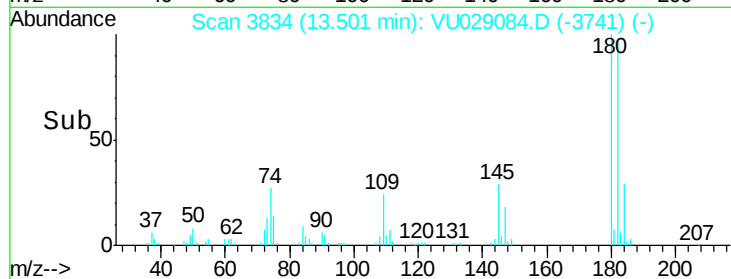
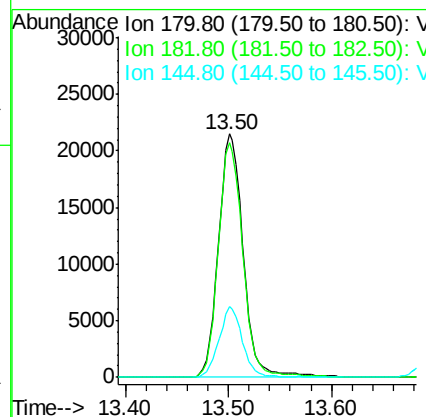
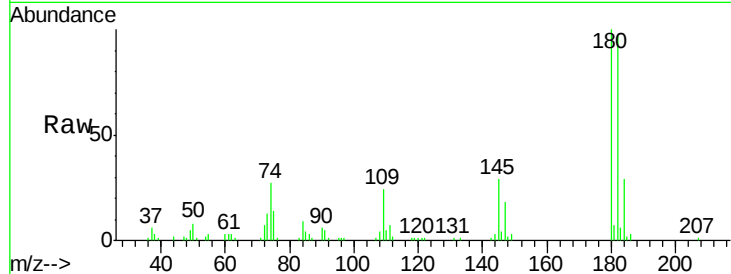
#93
 1,2,4-Trichlorobenzene
 Concen: 18.553 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	27.1	14.0	42.0

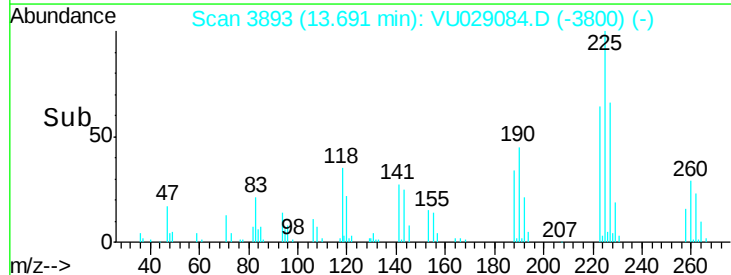
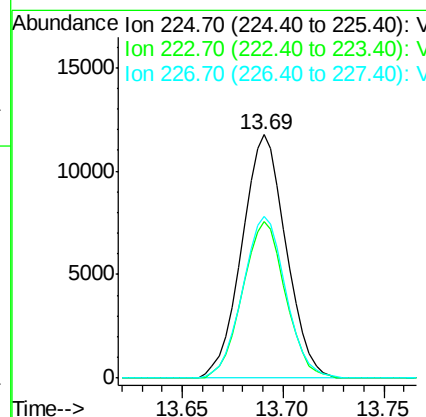
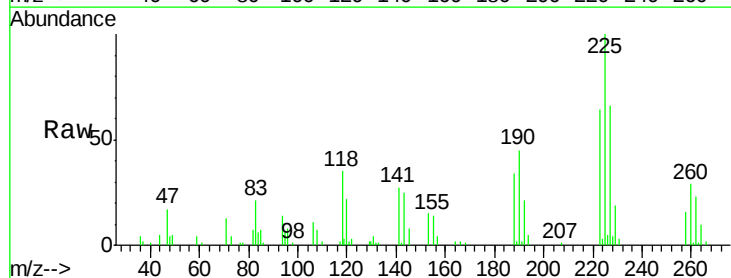
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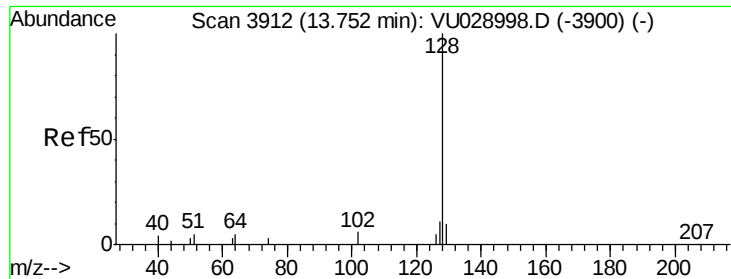
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#94
 Hexachlorobutadiene
 Concen: 20.398 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029084.D
 Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.4	94.0
227	65.0	31.9	95.5





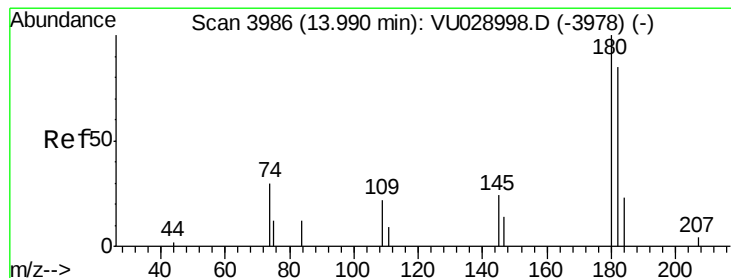
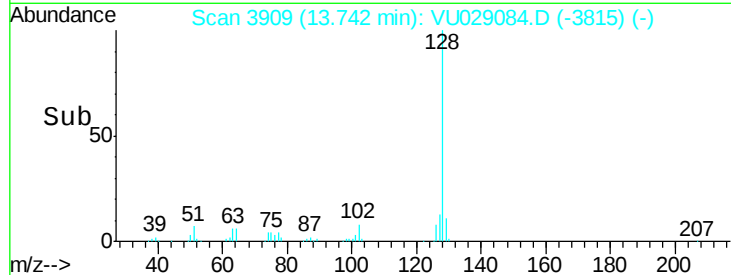
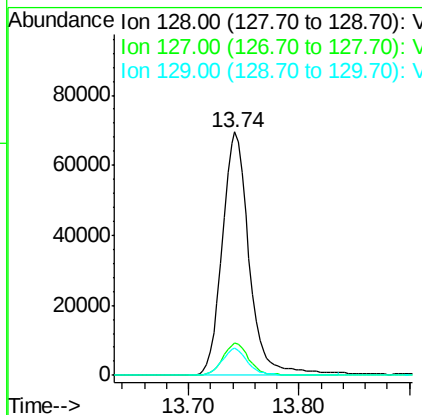
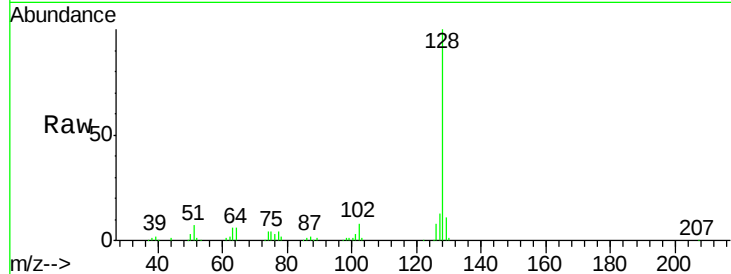
#95
Naphthalene
Concen: 17.952 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Instrument :
MSVOA_U
ClientSampleId :
VU0109WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.6	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.454 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029084.D
Acq: 09 Jan 2019 10:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.1	144.3
145	30.5	14.8	44.4

