

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU029003.D
 Acq On : 03 Jan 2019 17:36
 Operator : MD/SY
 Sample : VU0103WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 9:51:20 AM

Quant Time: Jan 04 07:59:27 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	129768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	214836	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	197520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	96186	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	79978	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	4.88	113	68449	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	7.56	98	269310	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	10.30	95	94335	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	25117	19.517 ug/l	99
3) Chloromethane	1.33	50	40575	19.325 ug/l	100
4) Vinyl Chloride	1.40	62	38143	20.112 ug/l	98
5) Bromomethane	1.60	94	21574	20.324 ug/l	99
6) Chloroethane	1.68	64	23649	20.935 ug/l	99
7) Trichlorofluoromethane	1.88	101	40691	19.690 ug/l	98
8) Diethyl Ether	2.10	74	19881	20.025 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	27026	19.546 ug/l	98
10) Methyl Iodide	2.40	142	26593	20.454 ug/l	99
11) Tert butyl alcohol	2.83	59	42260	103.639 ug/l	100
12) 1,1-Dichloroethene	2.28	96	27440	20.388 ug/l	96
13) Acrolein	2.19	56	28644	93.551 ug/l	98
14) Allyl chloride	2.59	41	51188	20.729 ug/l	99
15) Acrylonitrile	2.93	53	101386	101.348 ug/l	100
16) Acetone	2.32	43	87159	86.247 ug/l	100
17) Carbon Disulfide	2.47	76	88279	19.468 ug/l	99
18) Methyl Acetate	2.61	43	47301	20.130 ug/l	100
19) Methyl tert-butyl Ether	3.00	73	93759	19.815 ug/l	99
20) Methylene Chloride	2.70	84	33082	19.281 ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	30017	19.197 ug/l	96
22) Diisopropyl ether	3.57	45	98699	20.223 ug/l	97
23) Vinyl Acetate	3.52	43	402602	100.905 ug/l	100
24) 1,1-Dichloroethane	3.44	63	56695	20.123 ug/l	98
25) 2-Butanone	4.26	43	133859	98.070 ug/l	100
26) 2,2-Dichloropropane	4.22	77	44588	19.586 ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	34518	20.183 ug/l	99
28) Bromochloromethane	4.55	49	23152	19.191 ug/l	99
29) Tetrahydrofuran	4.64	42	86134	104.045 ug/l	99
30) Chloroform	4.67	83	54117	20.166 ug/l	97
31) Cyclohexane	4.99	56	54435	19.789 ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	44002	19.844 ug/l	97
36) 1,1-Dichloropropene	5.13	75	40589	18.902 ug/l	99
37) Ethyl Acetate	4.38	43	46461	19.711 ug/l	100
38) Carbon Tetrachloride	5.13	117	35188	19.647 ug/l	98

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 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)
39) Methylcyclohexane	6.41	83	50339	19.068	ug/l	99
40) Benzene	5.39	78	130204	19.438	ug/l	98
41) Methacrylonitrile	4.54	41	25677	20.351	ug/l	98
42) 1,2-Dichloroethane	5.40	62	40032	19.889	ug/l	98
43) Isopropyl Acetate	5.55	43	74152	20.508	ug/l	100
44) Trichloroethene	6.18	130	31557	19.014	ug/l	99
45) 1,2-Dichloropropane	6.43	63	35179	19.888	ug/l	99
46) Dibromomethane	6.56	93	22618	20.002	ug/l	99
47) Bromodichloromethane	6.75	83	41102	19.742	ug/l	98
48) Methyl methacrylate	6.62	41	36456	20.706	ug/l	99
49) 1,4-Dioxane	6.61	88	18646	446.891	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	248145	100.841	ug/l	99
52) Toluene	7.64	92	80774	19.809	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	47468	18.980	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	51882	19.198	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	32622	19.969	ug/l	98
56) Ethyl methacrylate	8.02	69	50064	19.892	ug/l	100
57) 1,3-Dichloropropane	8.24	76	54757	19.589	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	113513	102.558	ug/l	100
59) 2-Hexanone	8.36	43	193586	100.221	ug/l	99
60) Dibromochloromethane	8.48	129	31638	19.549	ug/l	99
61) 1,2-Dibromoethane	8.58	107	34641	19.552	ug/l	97
64) Tetrachloroethene	8.22	164	28500	20.030	ug/l	97
65) Chlorobenzene	9.12	112	85845	19.389	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	28263	19.671	ug/l	100
67) Ethyl Benzene	9.25	91	145952	19.745	ug/l	100
68) m/p-Xylenes	9.37	106	113476	39.509	ug/l	98
69) o-Xylene	9.78	106	55978	20.228	ug/l	97
70) Styrene	9.79	104	88794	19.572	ug/l	99
71) Bromoform	9.96	173	24932	19.488	ug/l #	100
73) Isopropylbenzene	10.16	105	143942	20.218	ug/l	99
74) N-amyl acetate	10.01	43	64028	20.871	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	57232	20.058	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	48768m	20.693	ug/l	
77) Bromobenzene	10.45	156	36958	19.920	ug/l	99
78) n-propylbenzene	10.58	91	165710	19.751	ug/l	100
79) 2-Chlorotoluene	10.66	91	102025	20.046	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	118357	19.908	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	16865m	18.456	ug/l	
82) 4-Chlorotoluene	10.77	91	112904	19.346	ug/l	100
83) tert-Butylbenzene	11.10	119	115696	19.744	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	120229	20.255	ug/l	100
85) sec-Butylbenzene	11.32	105	141835	20.014	ug/l	100
86) p-Isopropyltoluene	11.47	119	120423	19.941	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	66365	19.501	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	65380	18.612	ug/l	99
89) n-Butylbenzene	11.89	91	104538	19.395	ug/l	99
90) Hexachloroethane	12.14	117	18999	18.701	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	66321	19.349	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11415	20.800	ug/l	97

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ClientSampleId :
VU0103WBS01

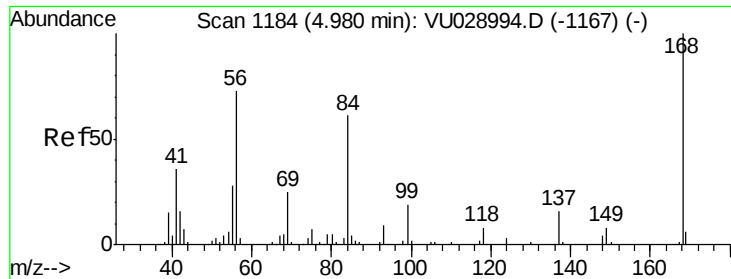
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	39942	18.255	ug/l	99
94) Hexachlorobutadiene	13.69	225	18628	18.613	ug/l	98
95) Naphthalene	13.74	128	136018	18.274	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	41369	18.856	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBS01

Tgt Ion:168 Resp: 129768

Ion Ratio Lower Upper

168 100

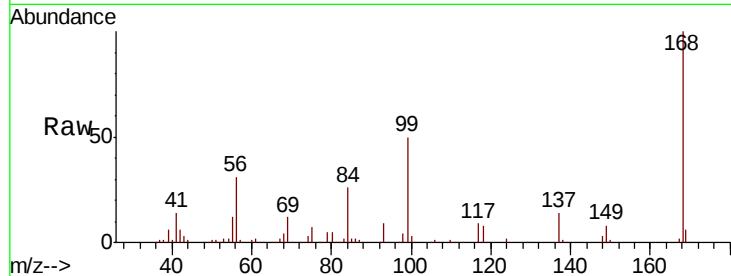
99 49.6 42.0 63.0

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Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

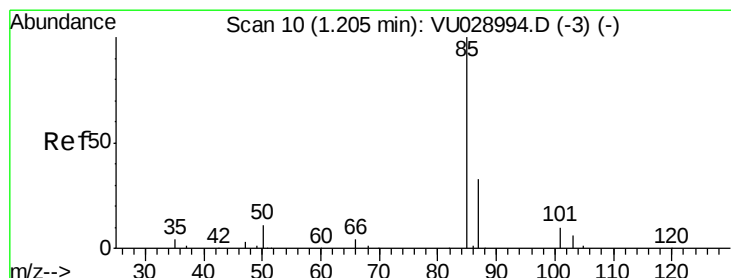
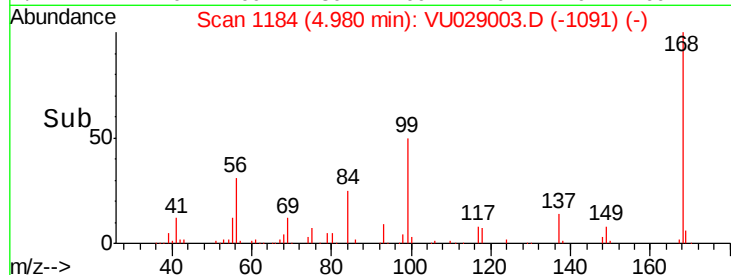
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.517 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029003.D

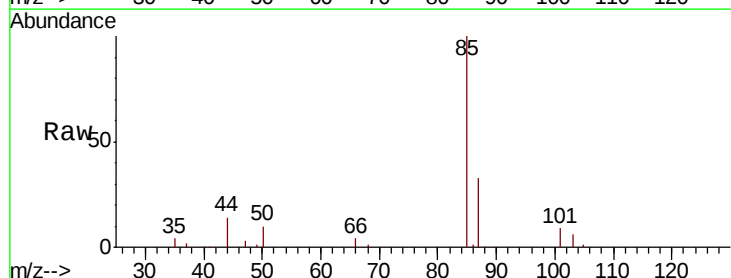
Acq: 03 Jan 2019 17:36

Tgt Ion: 85 Resp: 25117

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

30000

25000

20000

15000

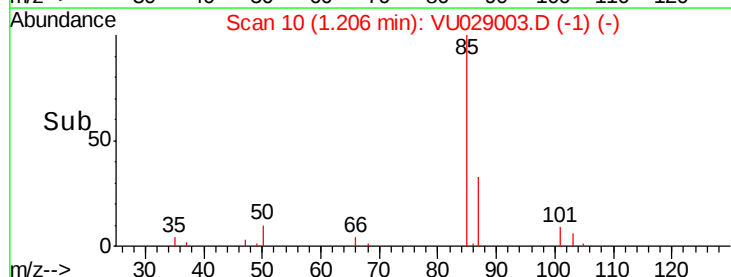
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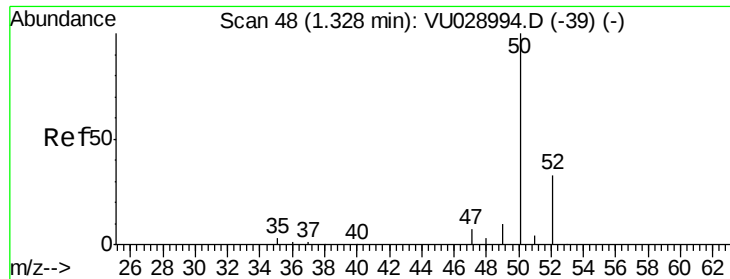
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.325 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBS01

Tgt Ion: 50 Resp: 40575

Ion Ratio Lower Upper

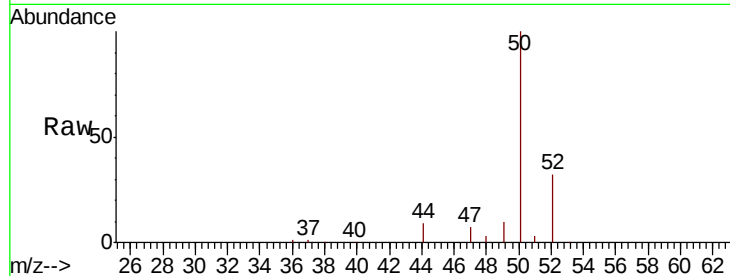
50 100

52 32.5 26.1 39.1

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

40000

30000

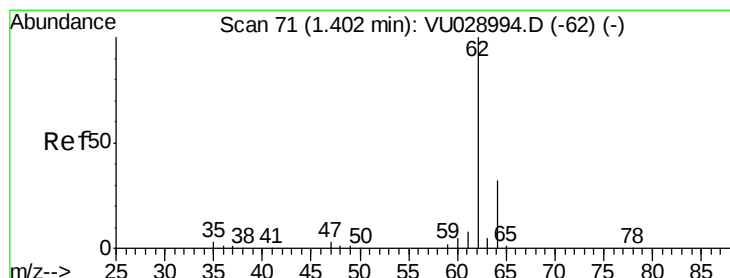
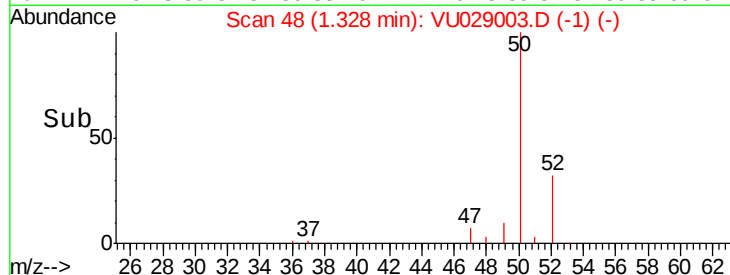
20000

10000

0

Time-->

1.30 1.35



#4

Vinyl Chloride

Concen: 20.112 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029003.D

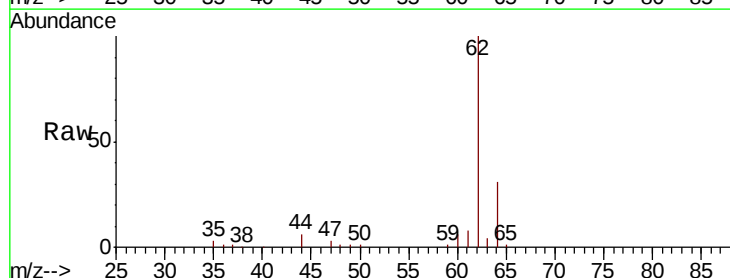
Acq: 03 Jan 2019 17:36

Tgt Ion: 62 Resp: 38143

Ion Ratio Lower Upper

62 100

64 31.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

40000

30000

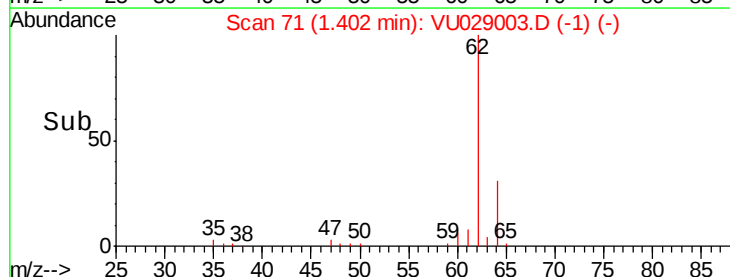
20000

10000

0

Time-->

1.35 1.40 1.45





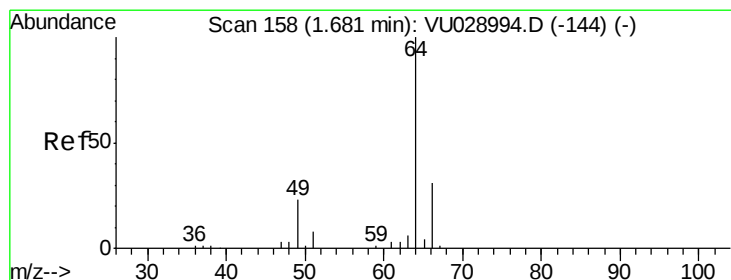
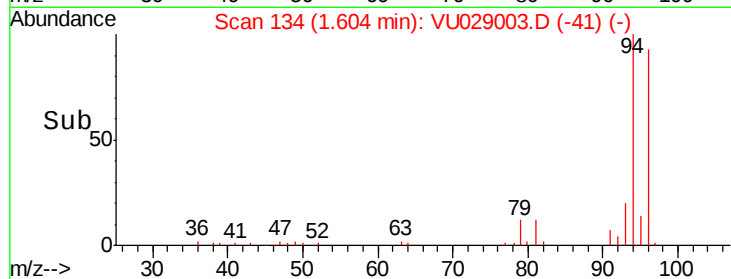
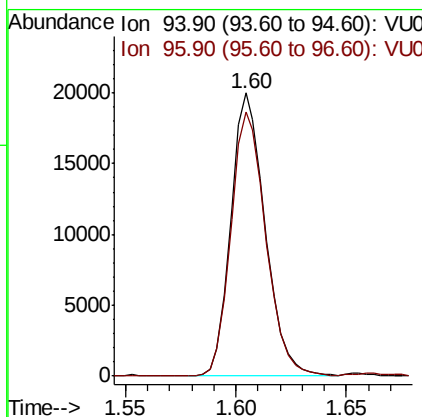
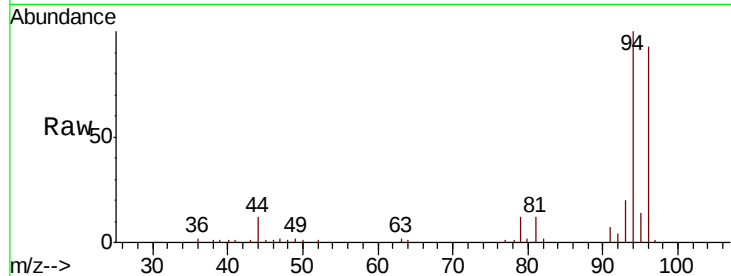
#5
Bromomethane
Concen: 20.324 ug/l
RT: 1.60 min Scan# 134
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion: 94 Resp: 21574
Ion Ratio Lower Upper
94 100
96 93.4 75.5 113.3

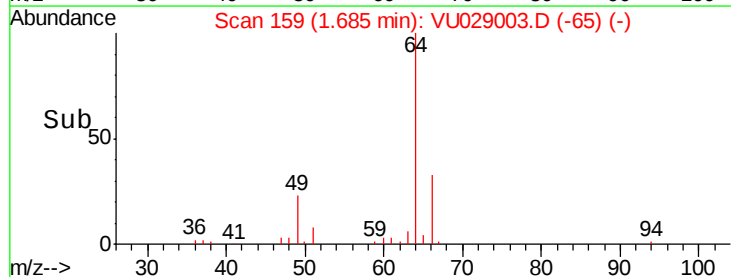
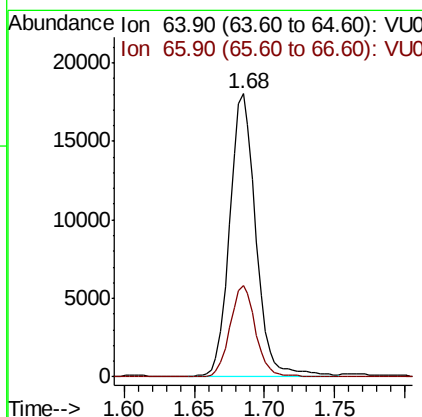
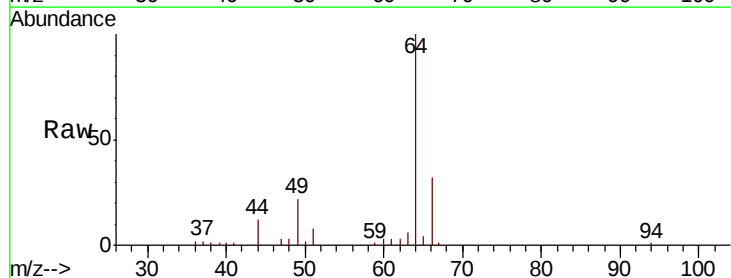
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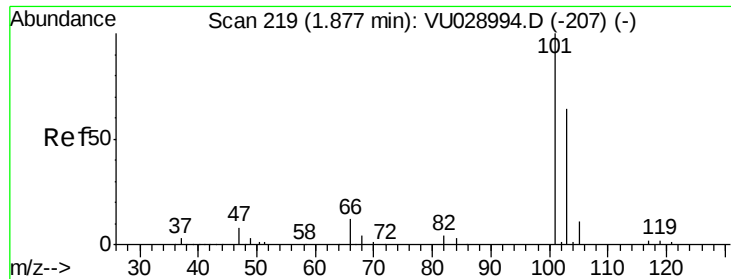
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#6
Chloroethane
Concen: 20.935 ug/l
RT: 1.68 min Scan# 159
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 64 Resp: 23649
Ion Ratio Lower Upper
64 100
66 32.3 25.2 37.8





#7

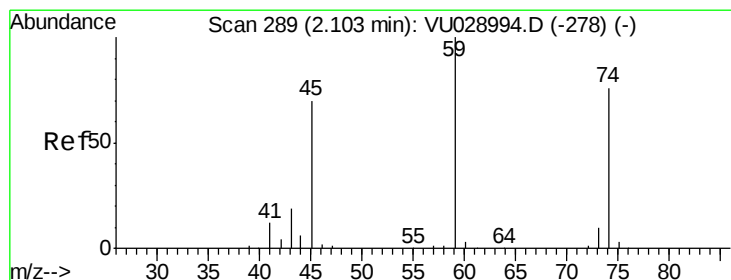
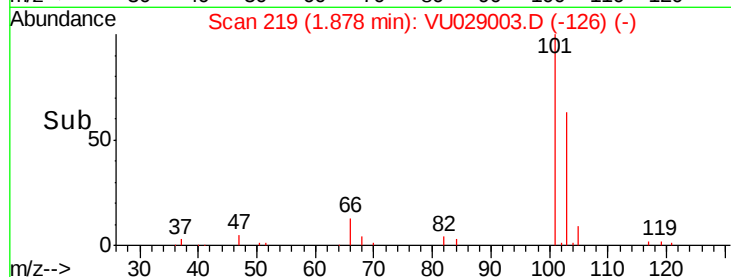
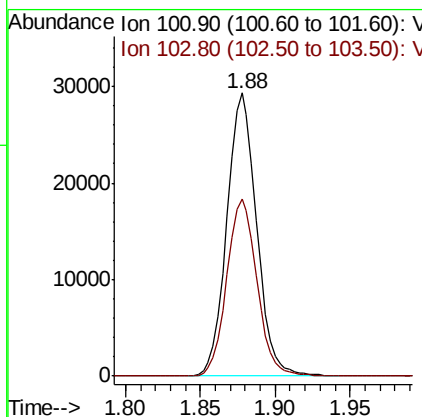
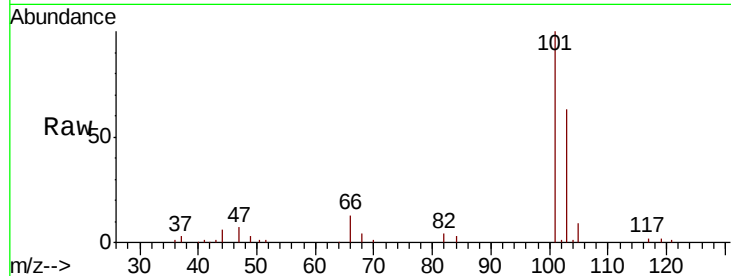
Trichlorofluoromethane
 Concen: 19.690 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion: 101 Resp: 40691
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.5 77.3

Manual Integrations
 APPROVED

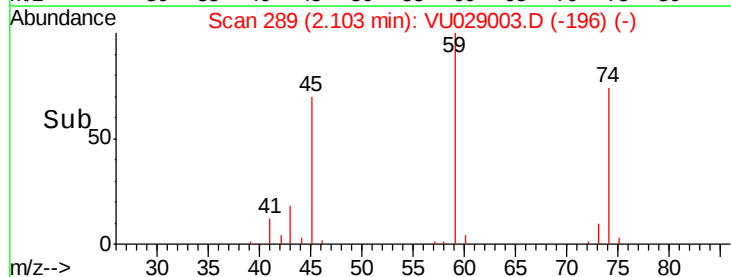
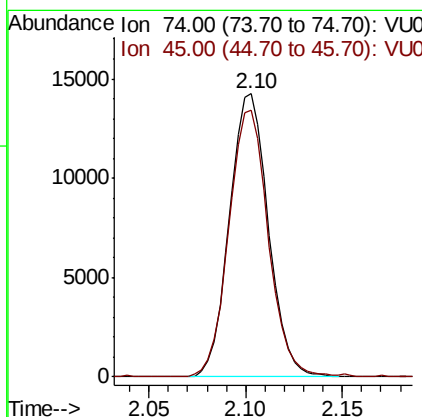
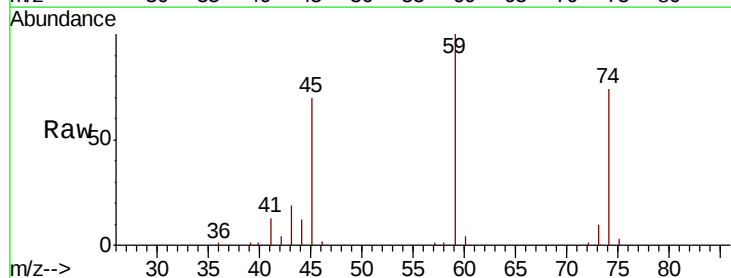
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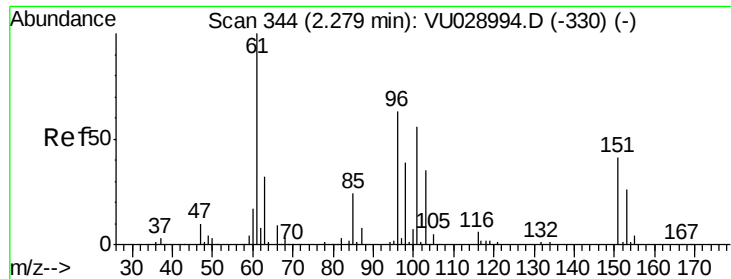


#8

Diethyl Ether
 Concen: 20.025 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 74 Resp: 19881
 Ion Ratio Lower Upper
 74 100
 45 95.6 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.546 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

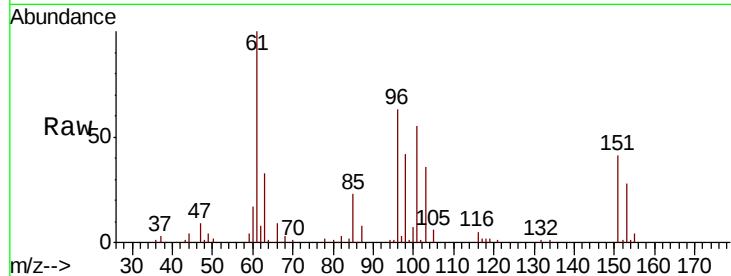
ClientSampleId :

VU0103WBS01

Tgt Ion:	101	Resp:	27026
Ion Ratio	Lower	Upper	
101	100		
85	41.4	35.1	52.7
151	76.0	60.2	90.2

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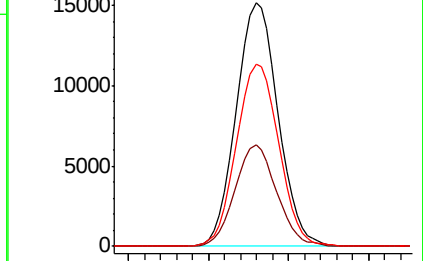
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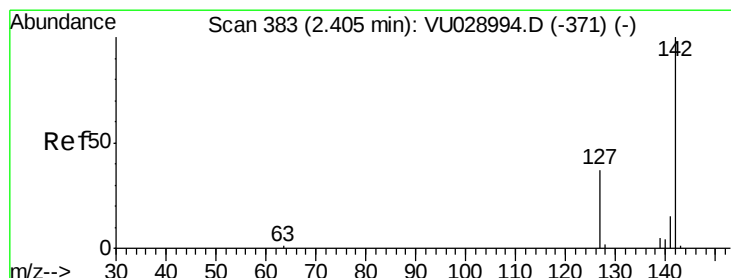
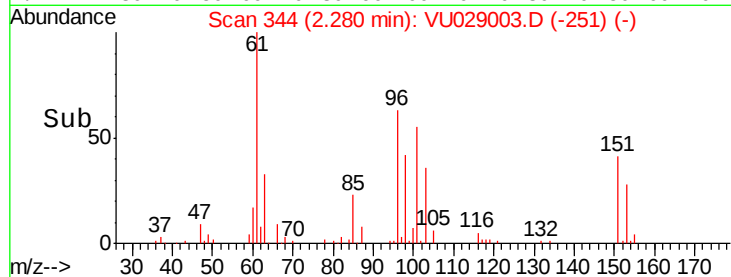
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 20.454 ug/l

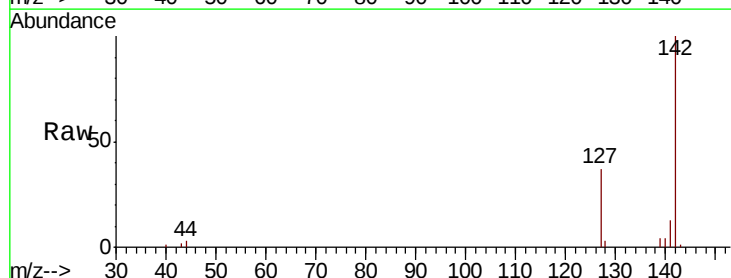
RT: 2.40 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

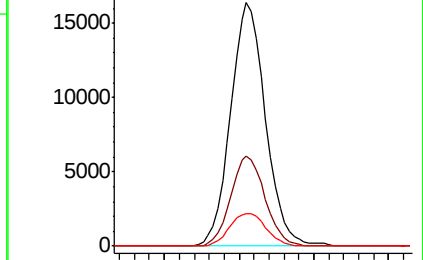
Tgt Ion:	142	Resp:	26593
Ion Ratio	Lower	Upper	
142	100		
127	36.2	29.8	44.6
141	13.9	11.5	17.3



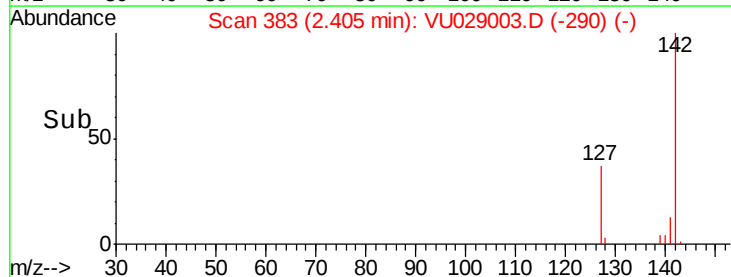
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#11

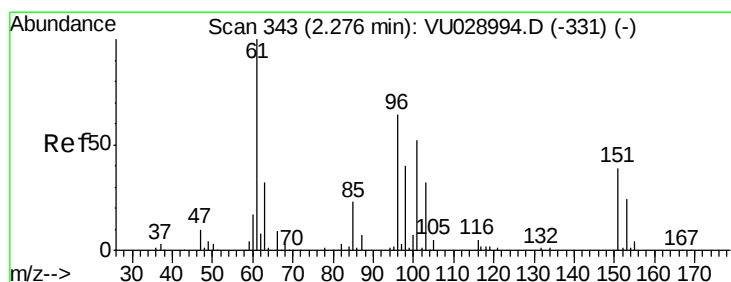
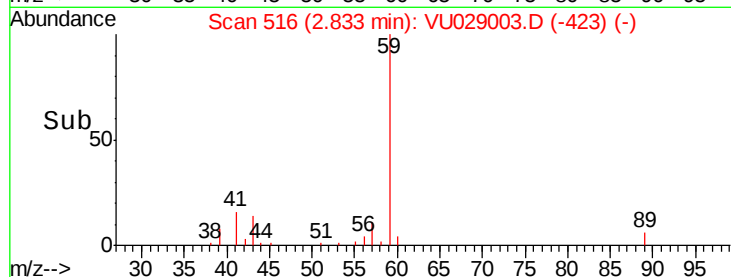
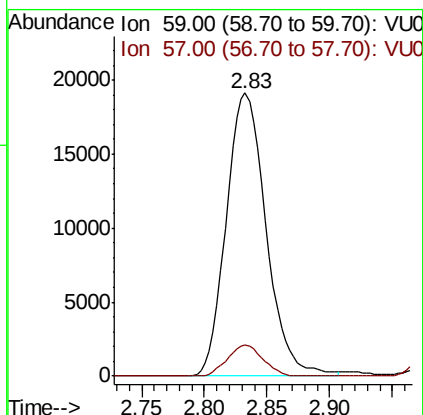
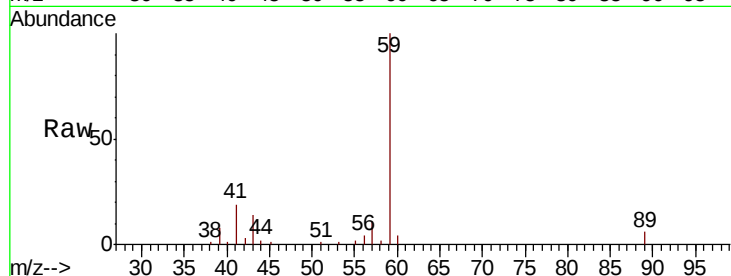
Tert butyl alcohol
 Concen: 103.639 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.9	11.9

Manual Integrations
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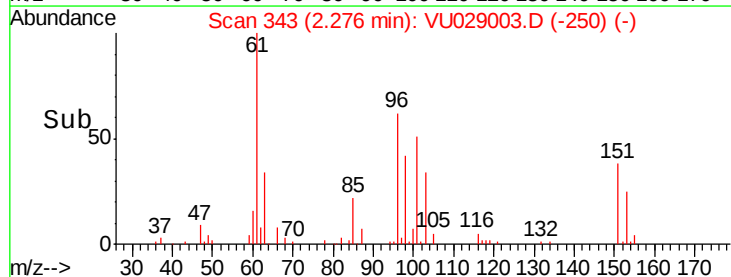
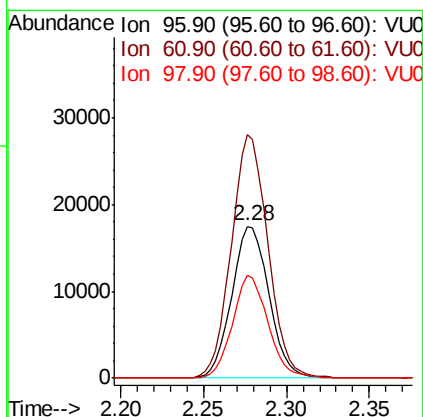
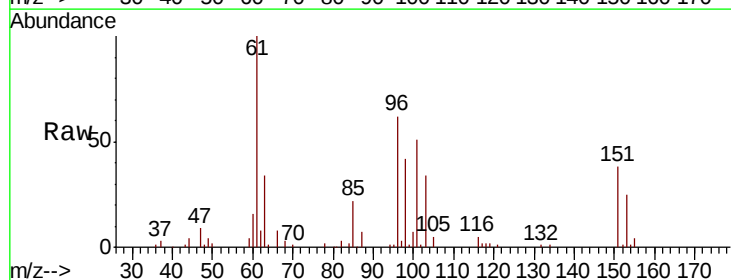
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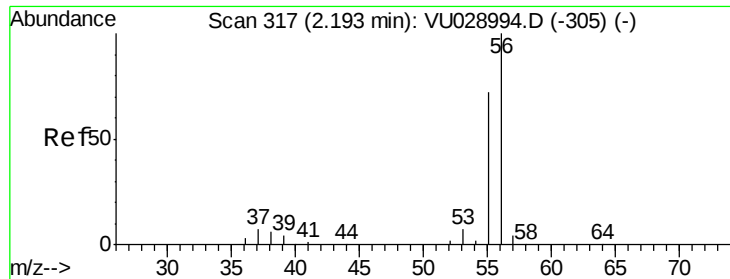


#12

1,1-Dichloroethene
 Concen: 20.388 ug/l
 RT: 2.28 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	125.4	188.0
98	67.8	49.7	74.5





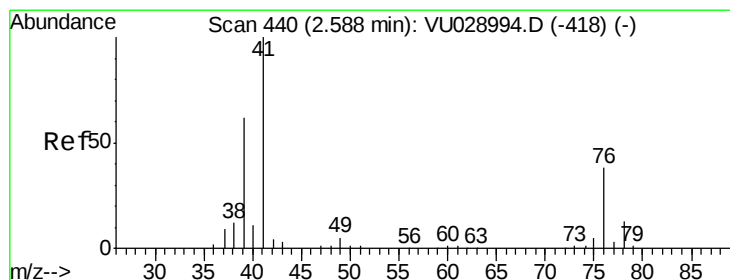
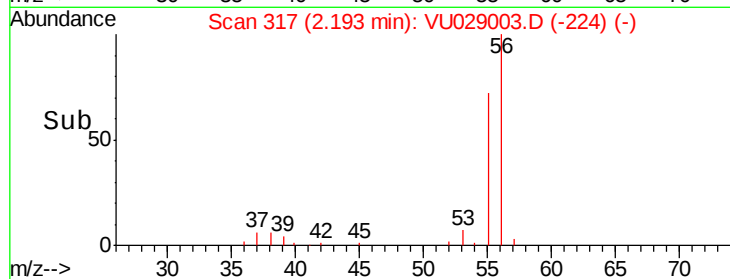
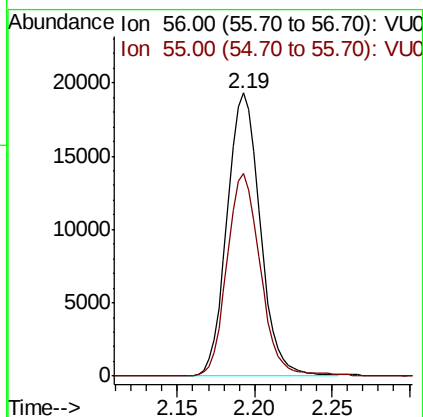
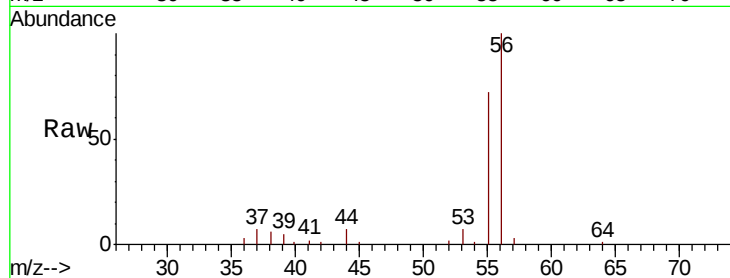
#13
Acrolein
Concen: 93.551 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion: 56 Resp: 28644
Ion Ratio Lower Upper
56 100
55 72.2 56.5 84.7

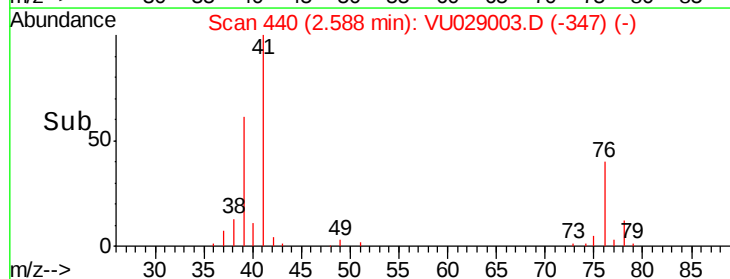
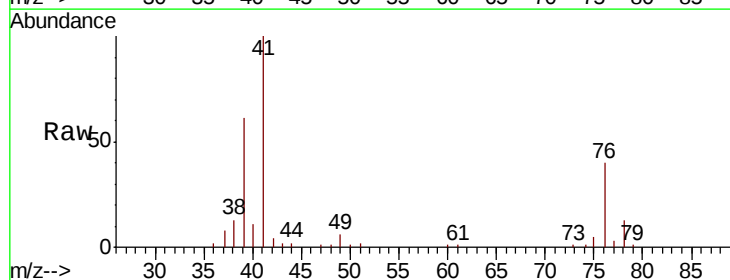
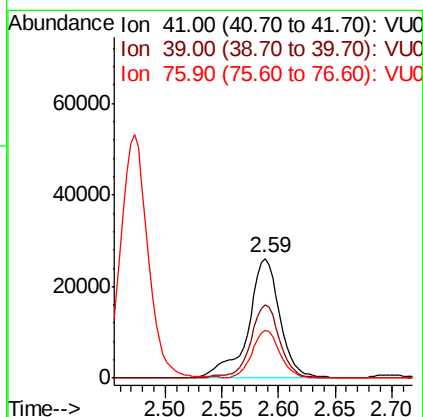
Manual Integrations
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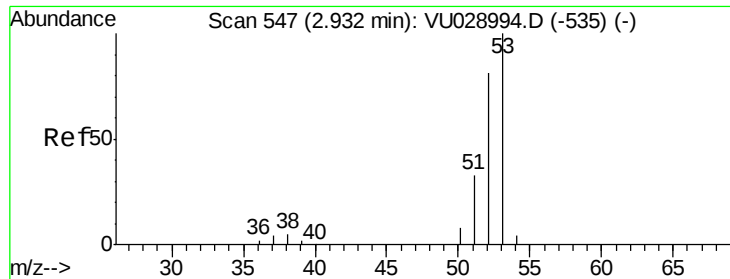
MMDadoda
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#14
Allyl chloride
Concen: 20.729 ug/l
RT: 2.59 min Scan# 440
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 41 Resp: 51188
Ion Ratio Lower Upper
41 100
39 55.9 45.0 67.6
76 34.8 28.1 42.1





#15

Acrylonitrile

Concen: 101.348 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

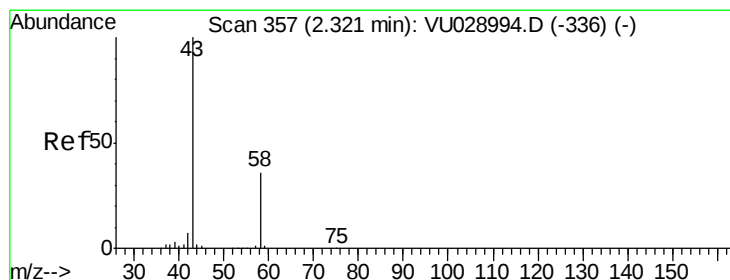
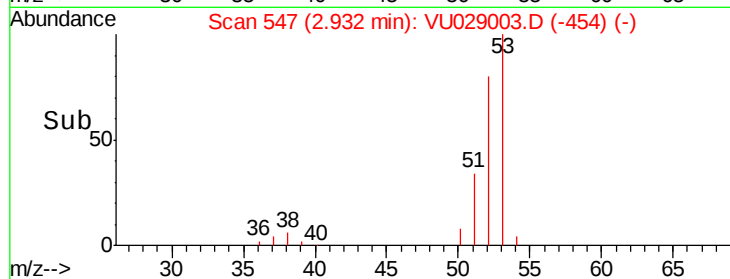
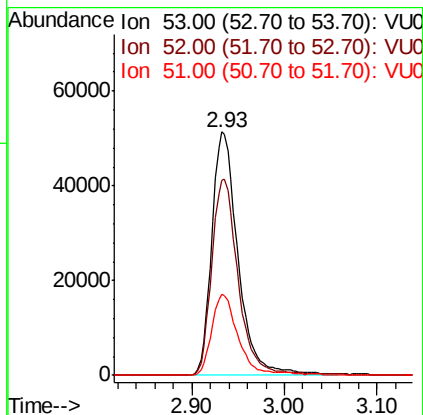
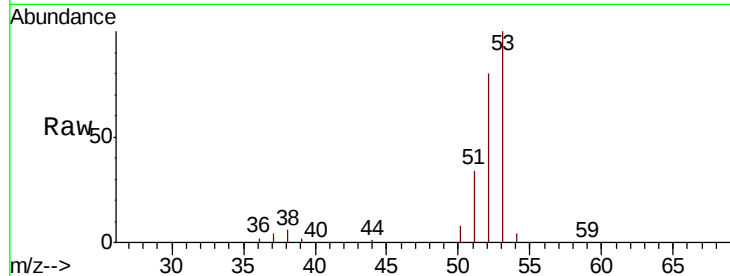
ClientSampleId :

VU0103WBS01

Tgt Ion:	53	Resp:	101386
Ion	Ratio	Lower	Upper
53	100		
52	81.1	64.8	97.2
51	33.6	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 86.247 ug/l

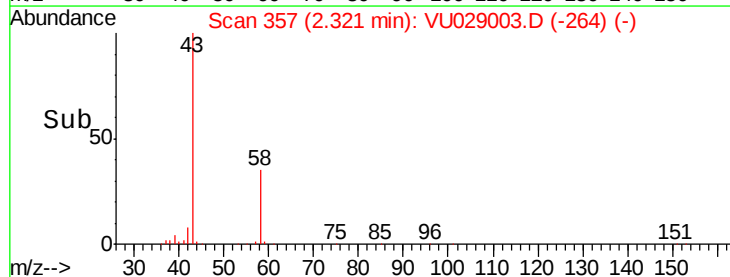
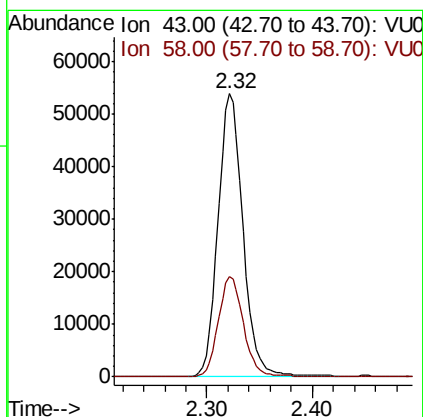
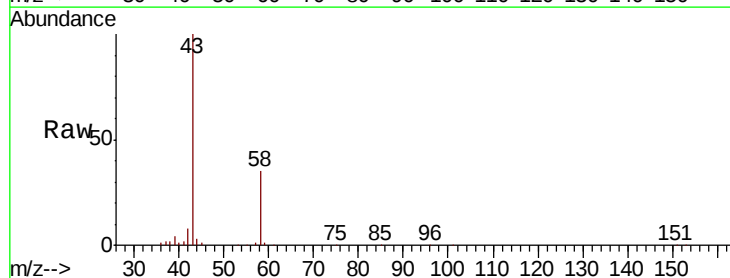
RT: 2.32 min Scan# 357

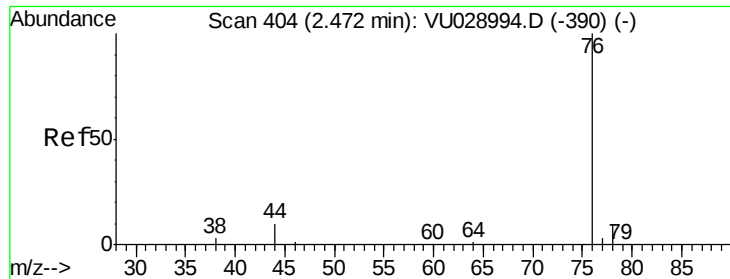
Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Tgt Ion:	43	Resp:	87159
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.6	42.8





#17

Carbon Disulfide

Concen: 19.468 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBS01

Tgt Ion: 76 Resp: 88279

Ion Ratio Lower Upper

76 100

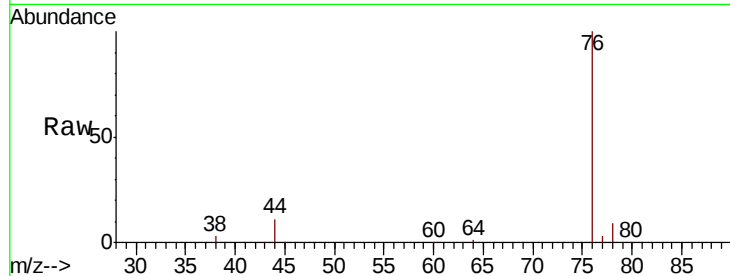
78 9.4 7.2 10.8

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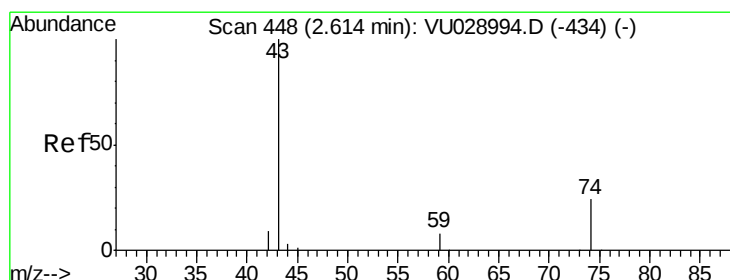
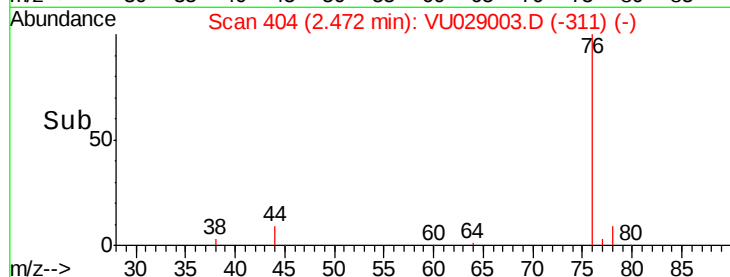
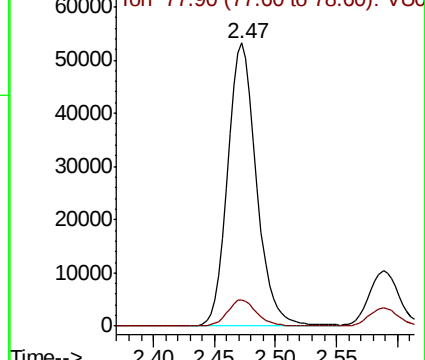
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Abundance Ion 75.90 (75.60 to 76.60): VU029003.D (-311) (-)



#18

Methyl Acetate

Concen: 20.130 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029003.D

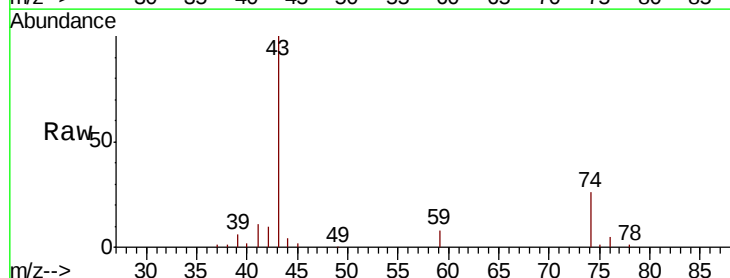
Acq: 03 Jan 2019 17:36

Tgt Ion: 43 Resp: 47301

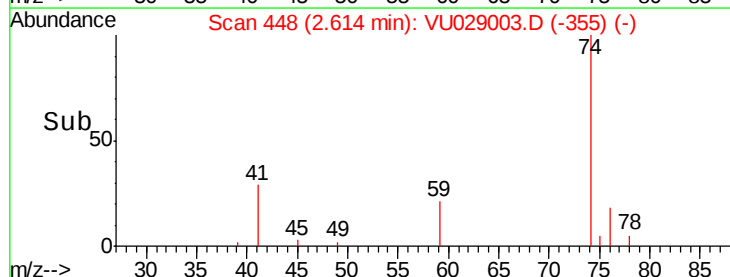
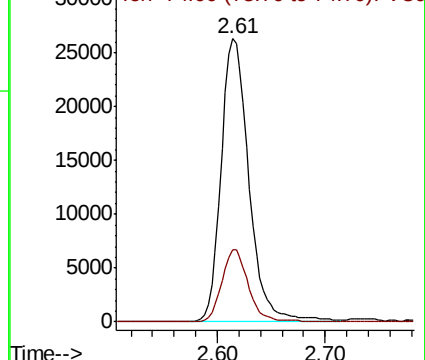
Ion Ratio Lower Upper

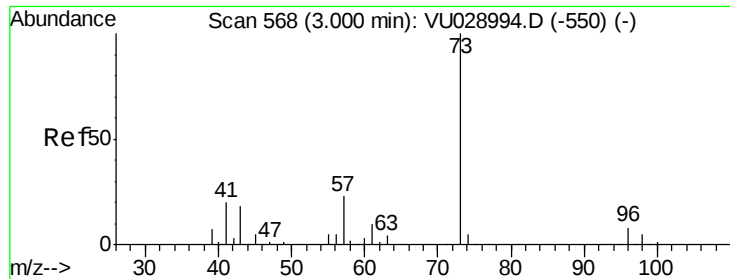
43 100

74 24.3 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU029003.D (-355) (-)





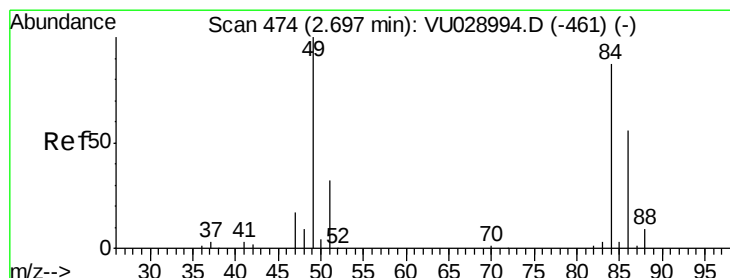
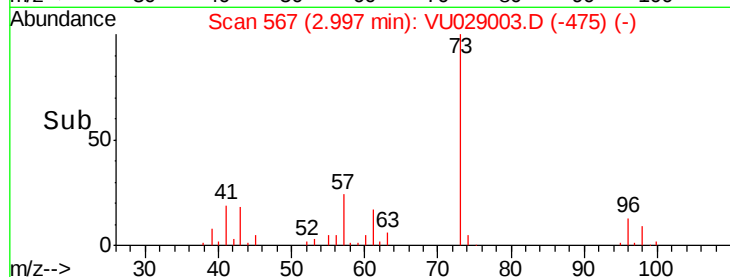
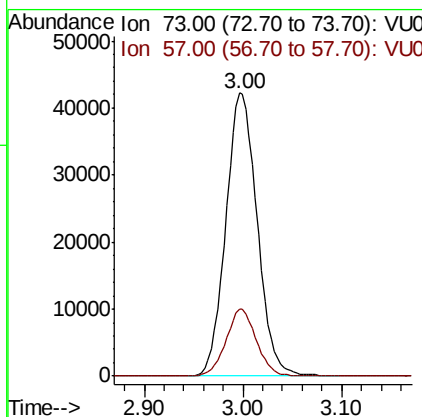
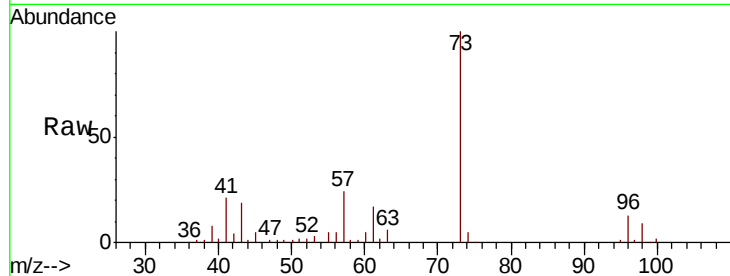
#19
Methyl tert-butyl Ether
Concen: 19.815 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion: 73 Resp: 93759
Ion Ratio Lower Upper
73 100
57 23.9 18.6 28.0

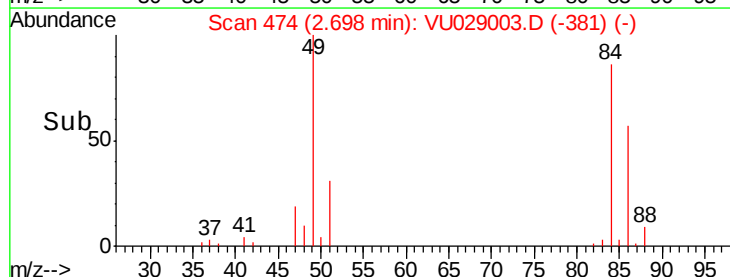
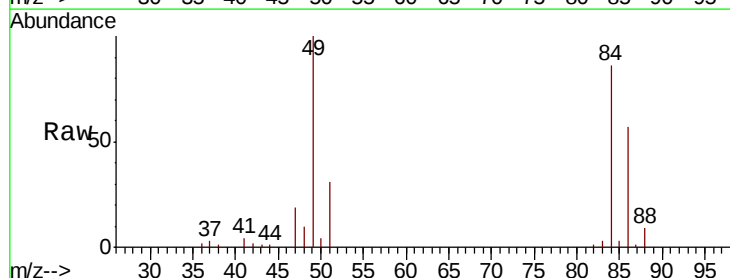
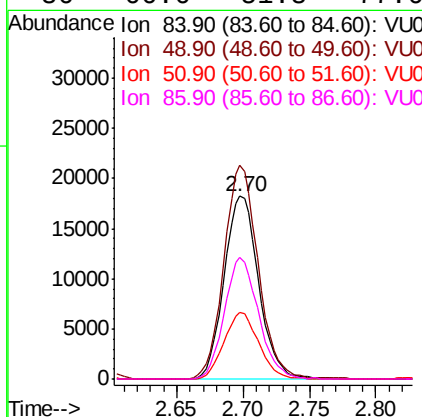
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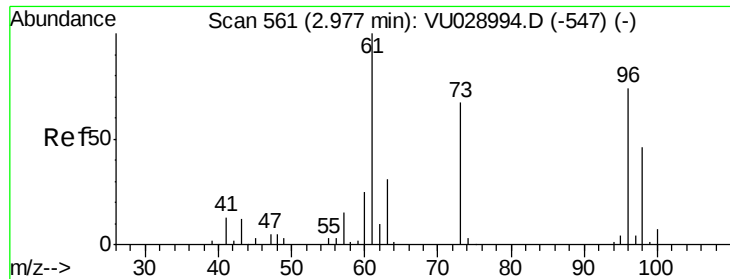
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#20
Methylene Chloride
Concen: 19.281 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 84 Resp: 33082
Ion Ratio Lower Upper
84 100
49 116.9 91.9 137.9
51 36.3 29.2 43.8
86 66.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.197 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBS01

Tgt Ion: 96 Resp: 30017

Ion Ratio Lower Upper

96 100

61 140.5 107.7 161.5

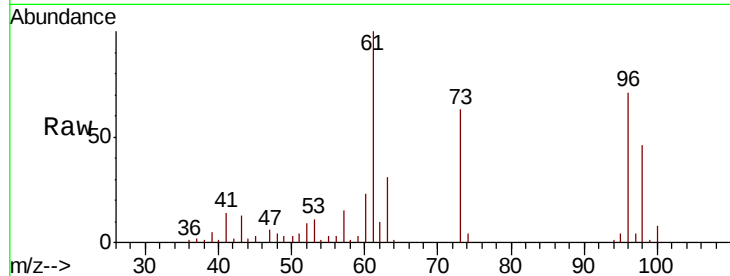
98 64.2 49.2 73.8

Manual Integrations

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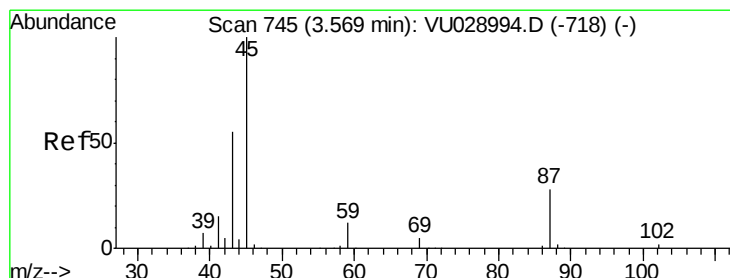
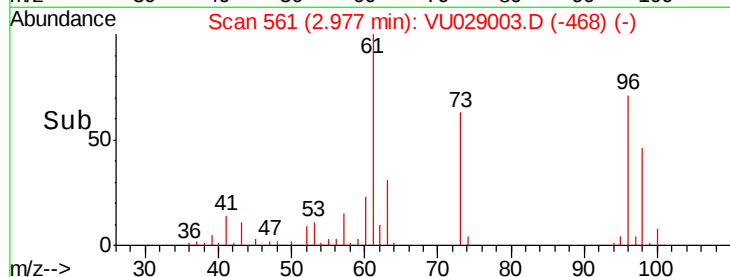
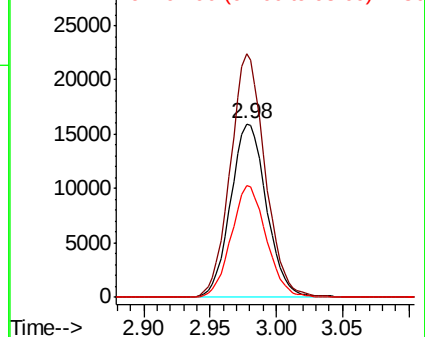


Abundance

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: 20.223 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Tgt Ion: 45 Resp: 98699

Ion Ratio Lower Upper

45 100

43 59.2 44.7 67.1

87 26.8 22.2 33.2

59 11.8 9.8 14.8

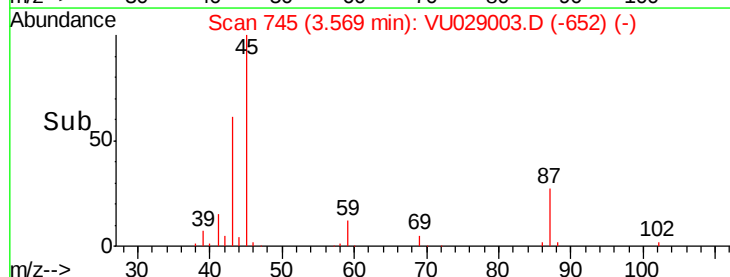
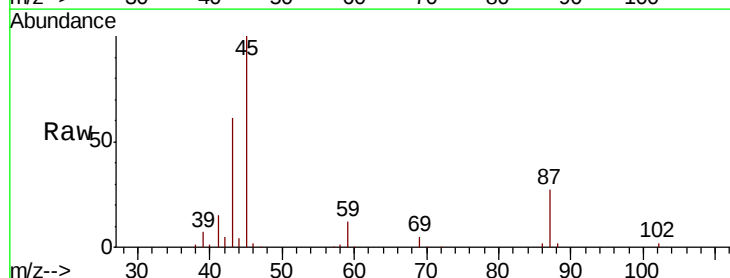
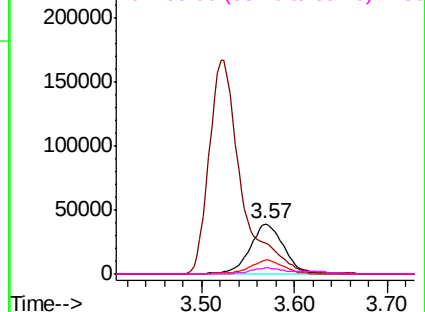
Abundance

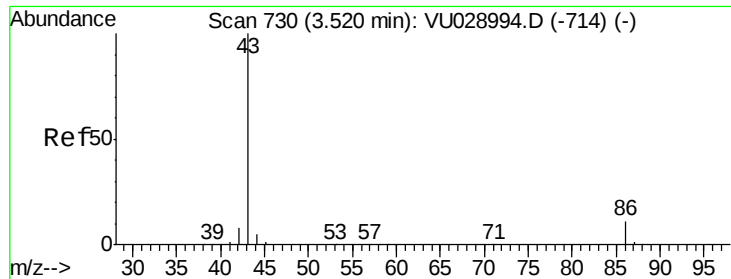
Ion 45.00 (44.70 to 45.70): VU0

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: 100.905 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBS01

Tgt Ion: 43 Resp: 402602

Ion Ratio Lower Upper

43 100

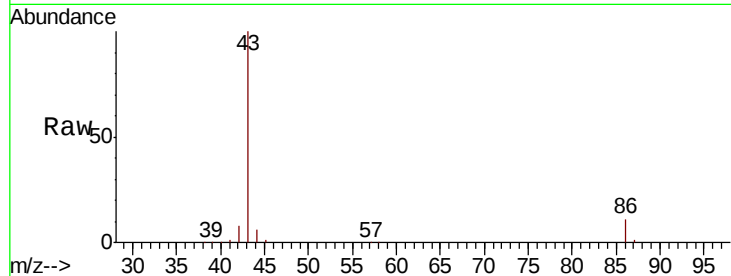
86 10.8 8.6 13.0

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

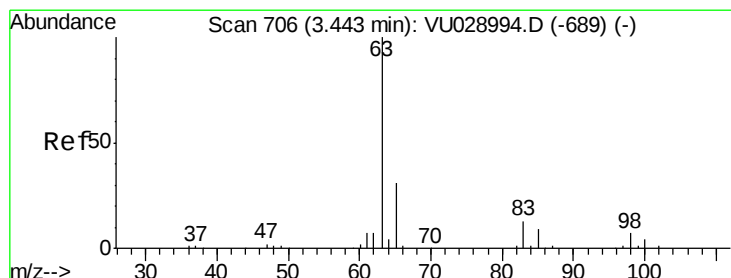
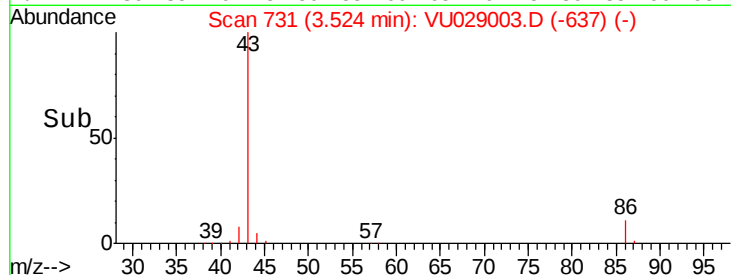
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.123 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

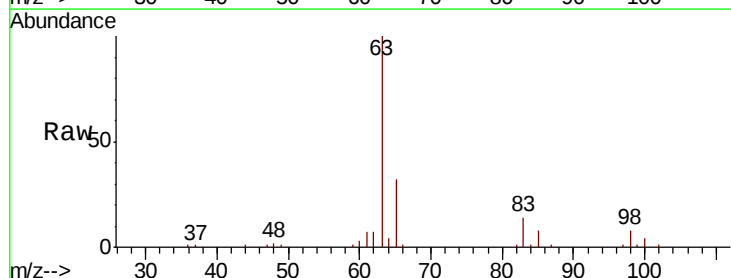
Tgt Ion: 63 Resp: 56695

Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.1

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.44

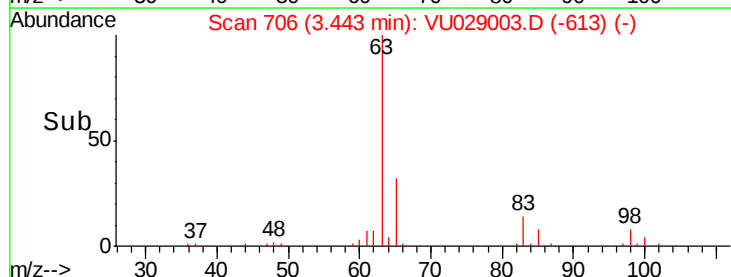
30000

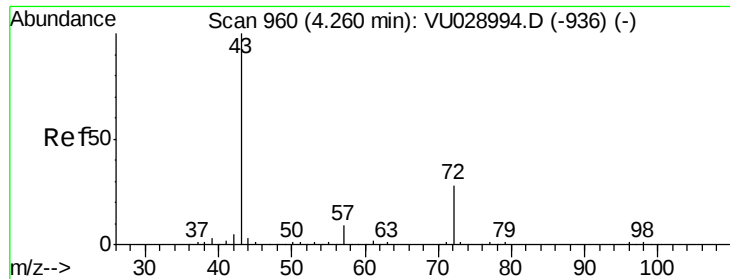
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.070 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBS01

Tgt Ion: 43 Resp: 133859

Ion Ratio Lower Upper

43 100

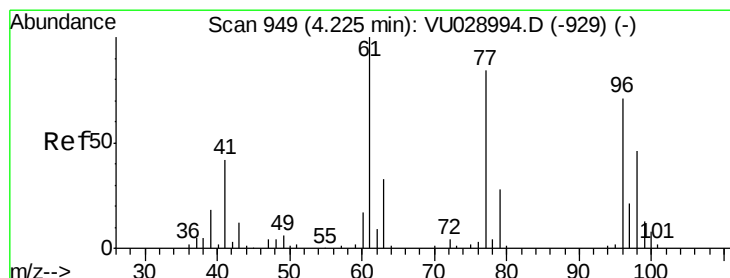
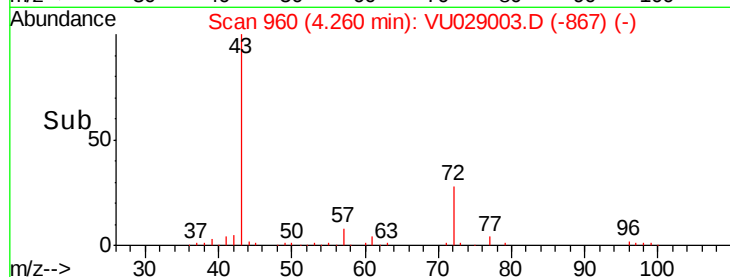
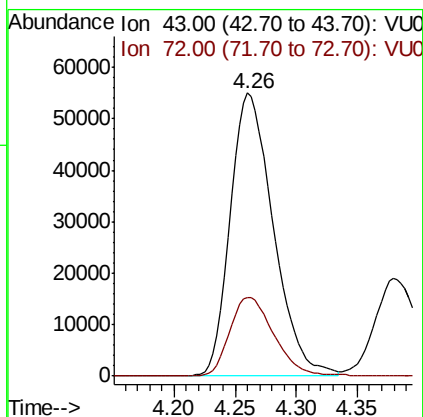
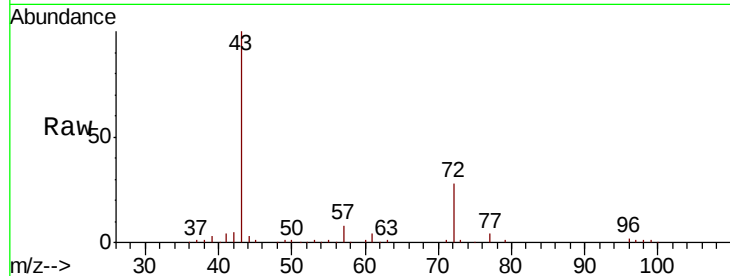
72 28.0 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.586 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029003.D

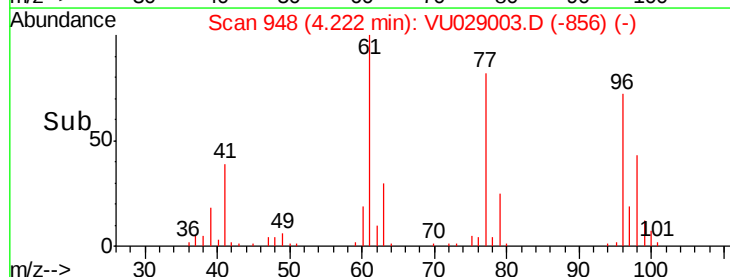
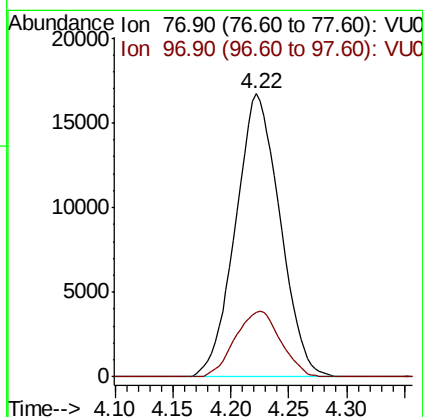
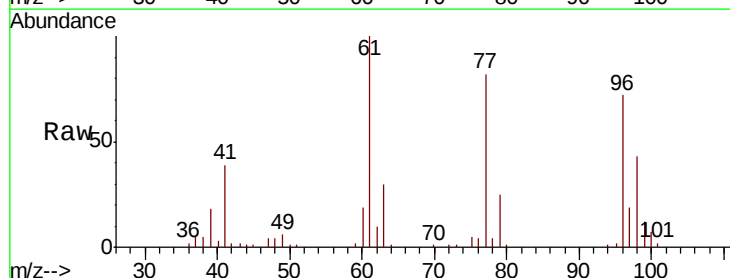
Acq: 03 Jan 2019 17:36

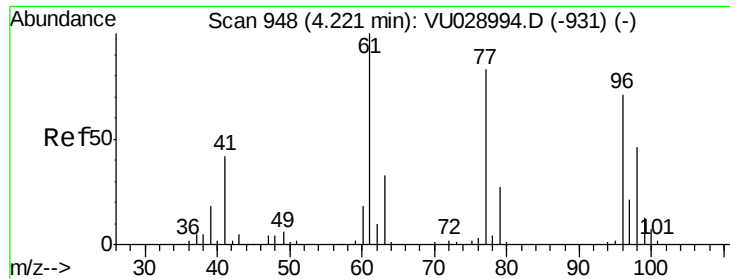
Tgt Ion: 77 Resp: 44588

Ion Ratio Lower Upper

77 100

97 23.8 12.0 36.1





#27

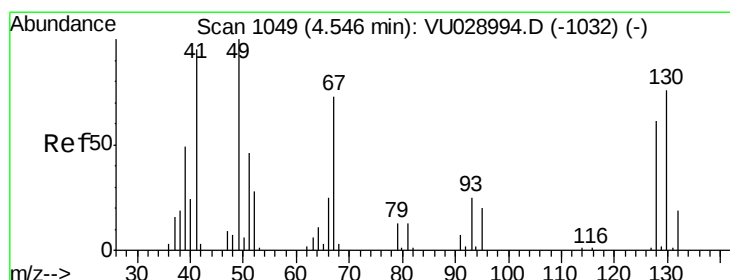
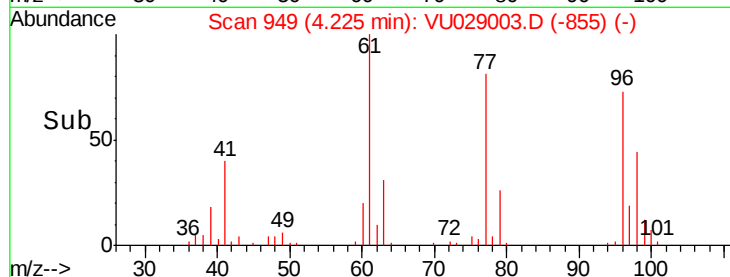
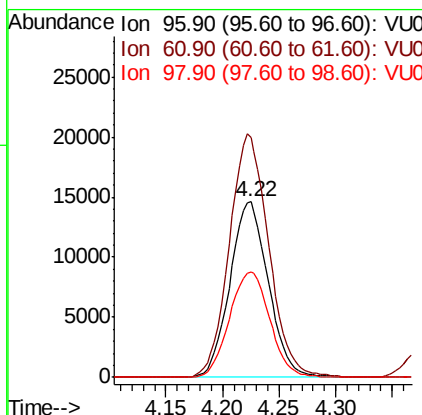
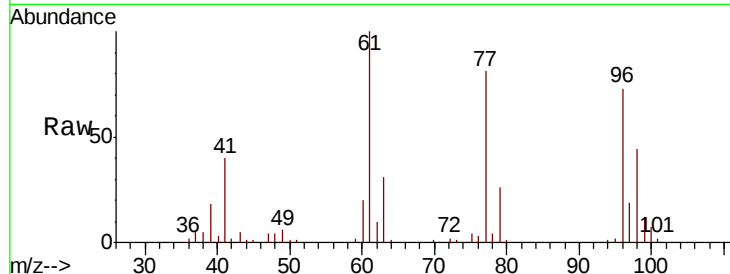
cis-1,2-Dichloroethene
Concen: 20.183 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	285.6
98	62.8	0.0	130.2

Manual Integrations
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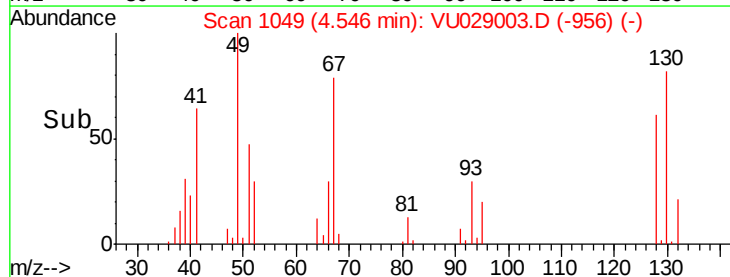
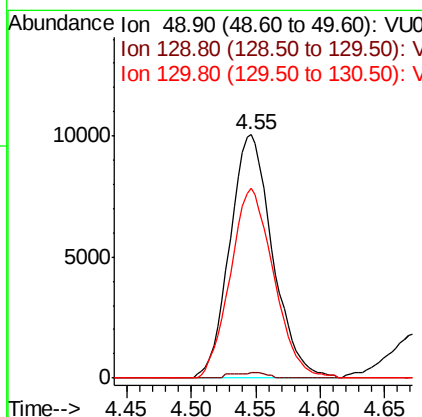
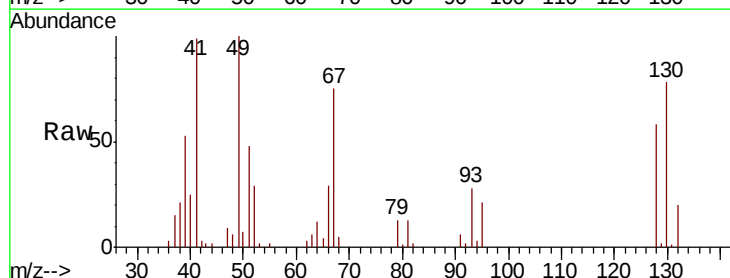
MMDadoda
1/4/2019 9:51:20 AM

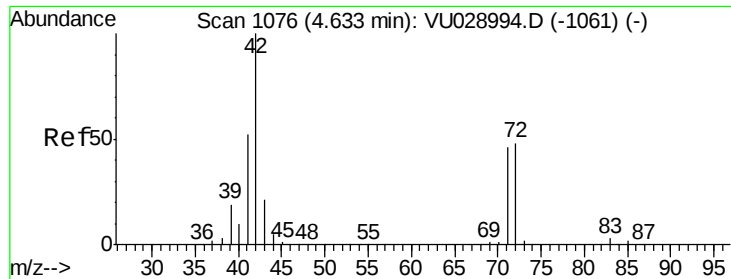


#28

Bromochloromethane
Concen: 19.191 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.4
130	79.2	62.9	94.3





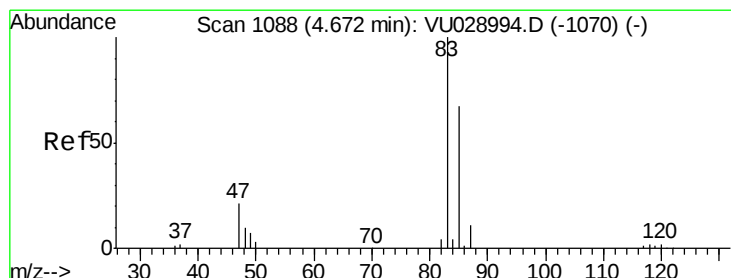
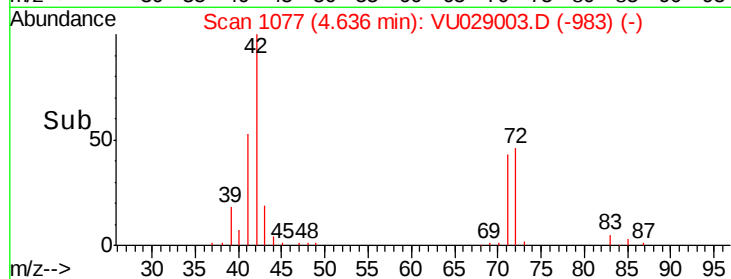
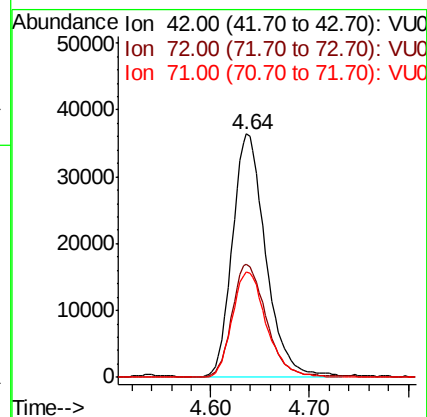
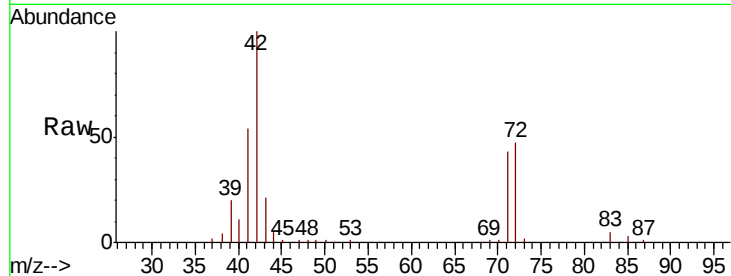
#29
Tetrahydrofuran
Concen: 104.045 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.6	38.3	57.5
71	44.4	36.1	54.1

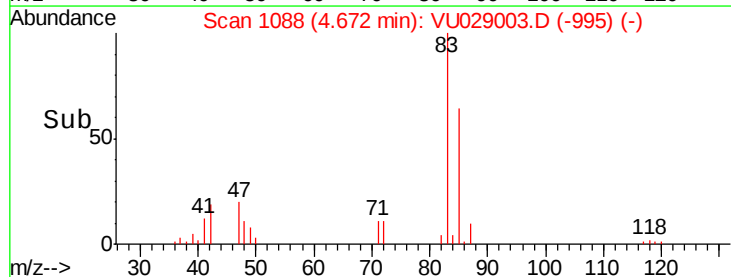
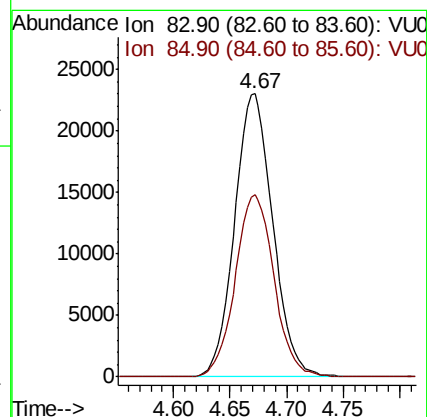
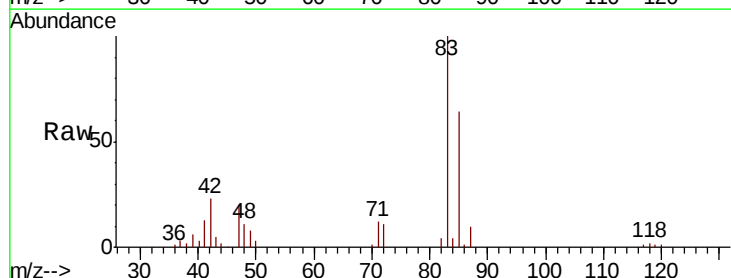
Manual Integrations
APPROVED

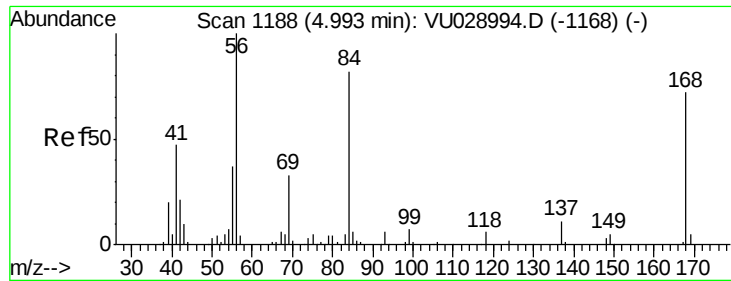
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#30
Chloroform
Concen: 20.166 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.4	80.0





#31

Cyclohexane

Concen: 19.789 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

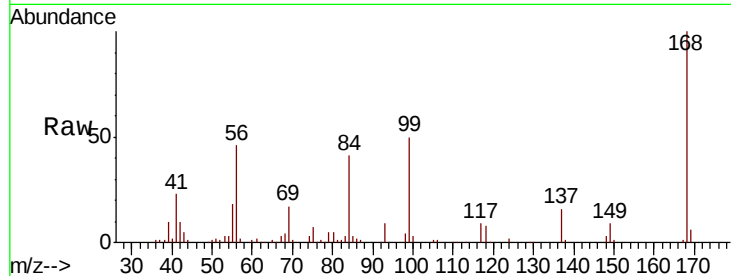
ClientSampleId :

VU0103WBS01

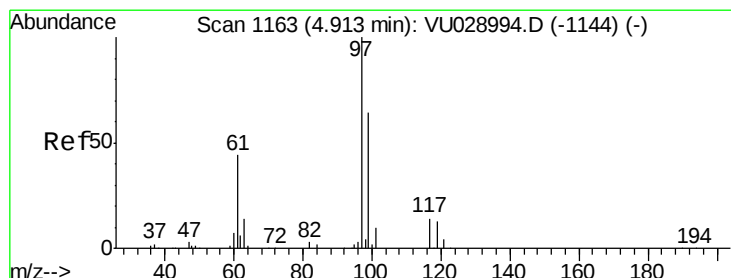
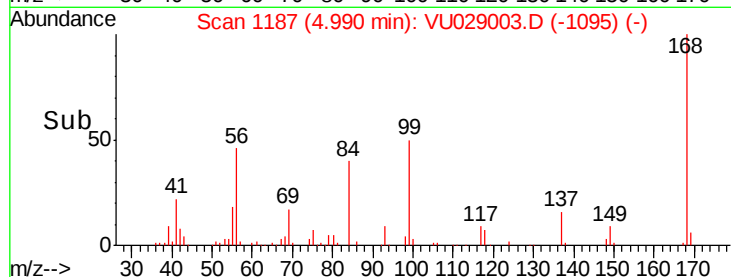
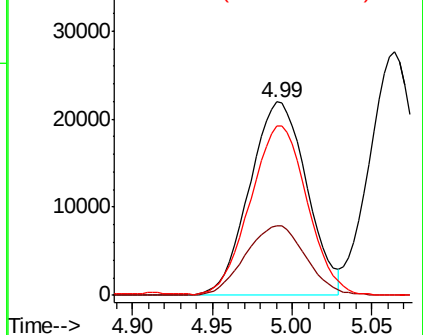
Tgt Ion:	56	Resp:	54435
Ion Ratio	Lower	Upper	
56	100		
69	36.0	26.7	40.1
84	87.1	65.7	98.5

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 19.844 ug/l

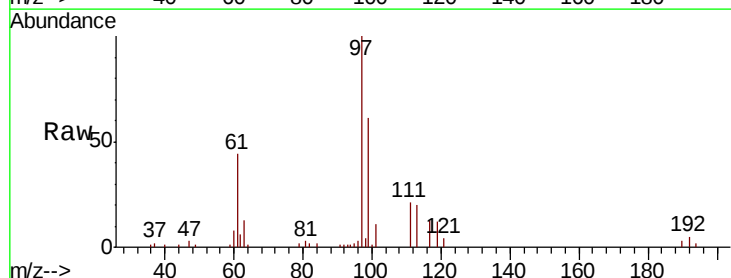
RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

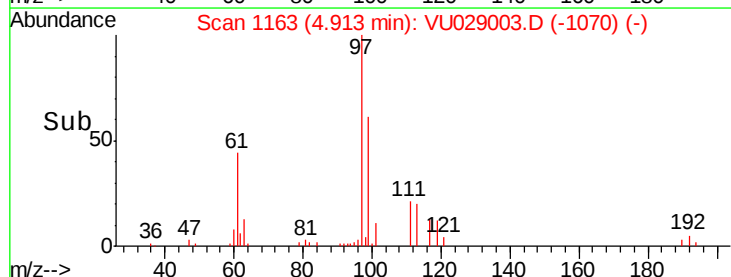
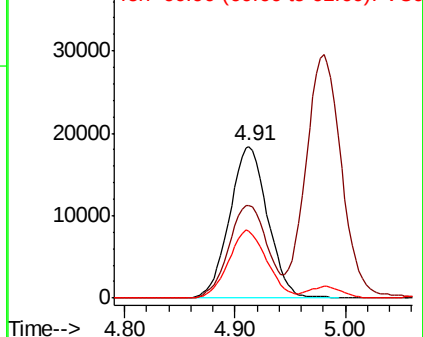
Lab File: VU029003.D

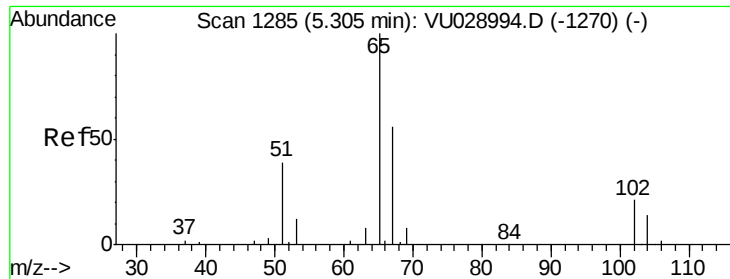
Acq: 03 Jan 2019 17:36

Tgt Ion:	97	Resp:	44002
Ion Ratio	Lower	Upper	
97	100		
99	61.4	51.0	76.4
61	44.9	34.4	51.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





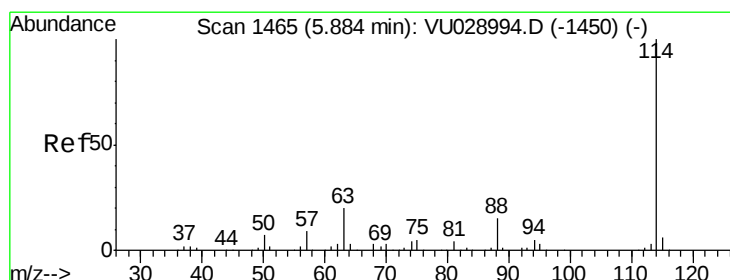
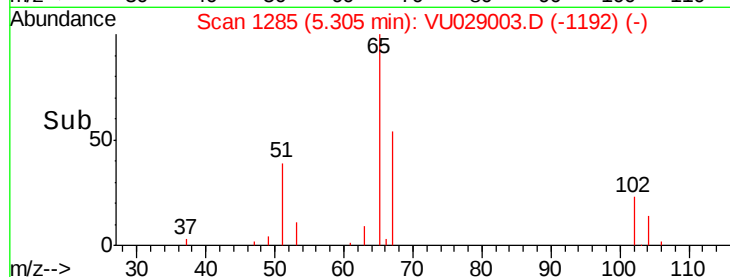
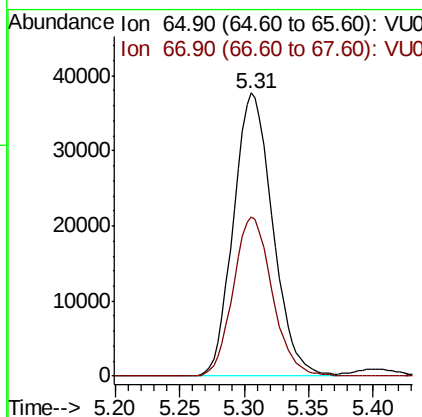
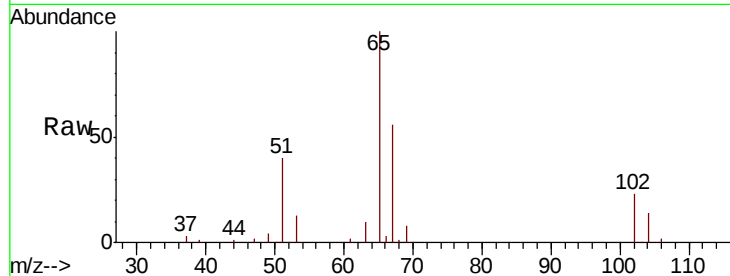
#33
 1,2-Dichloroethane-d4
 Concen: 49.856 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion: 65 Resp: 79978
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.0

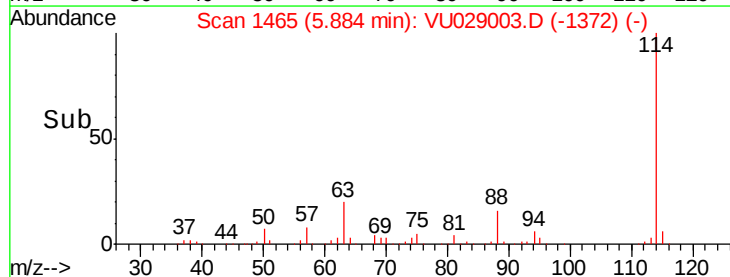
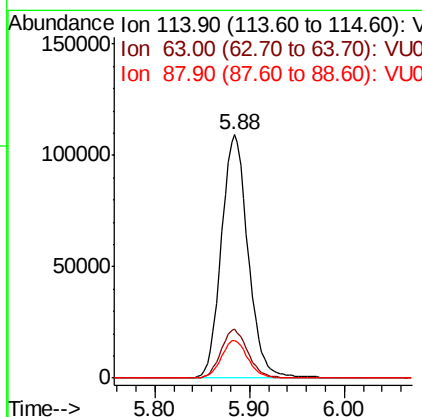
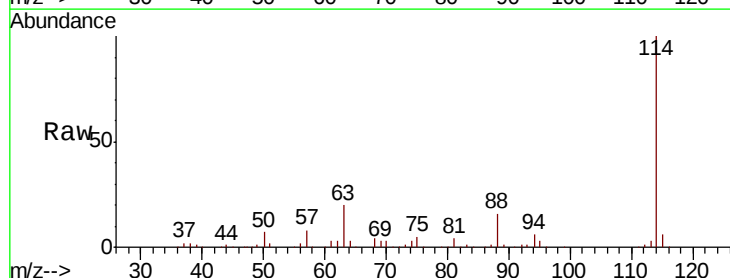
Manual Integrations
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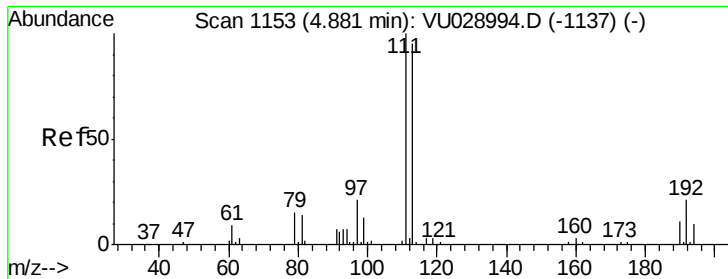
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 114 Resp: 214836
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.2
 88 15.6 0.0 30.4





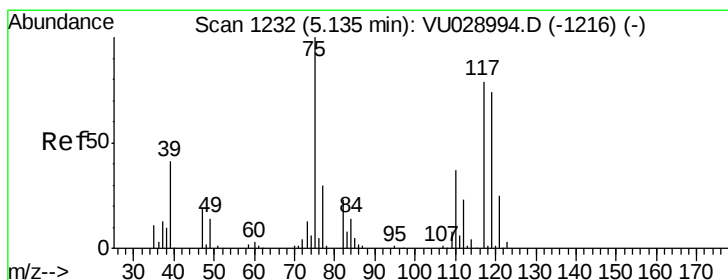
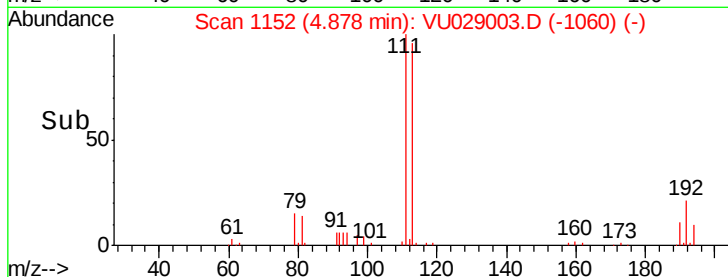
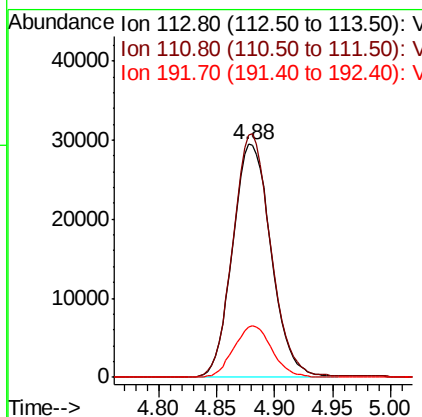
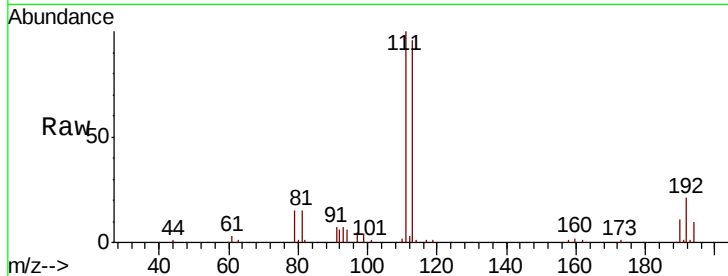
#35
 Dibromofluoromethane
 Concen: 49.151 ug/l
 RT: 4.88 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	21.7	16.8	25.2

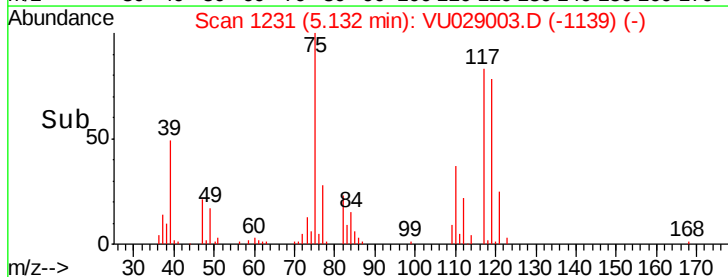
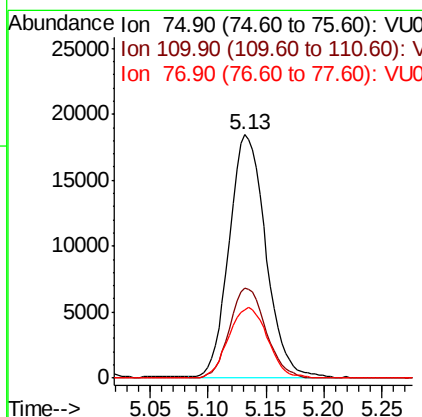
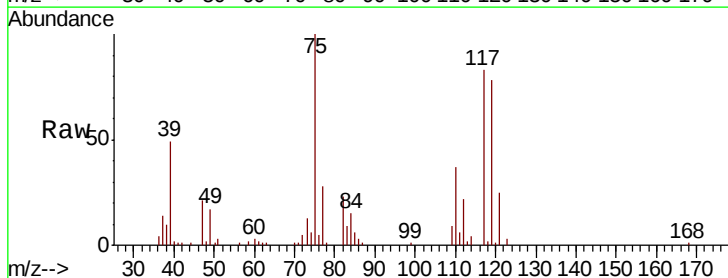
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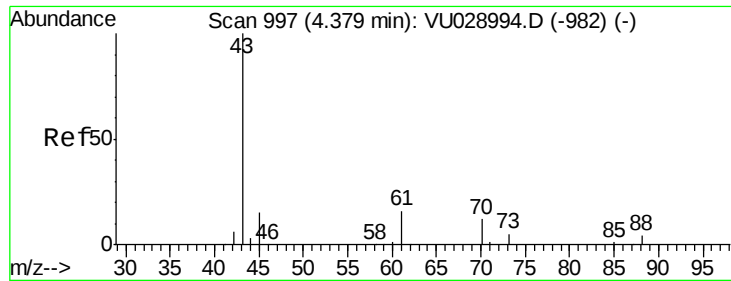
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#36
 1,1-Dichloropropene
 Concen: 18.902 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.4	55.4
77	30.7	25.1	37.7





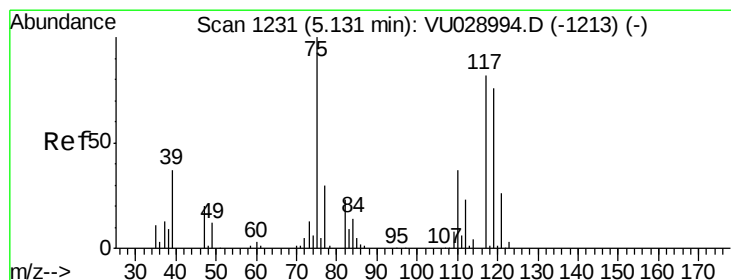
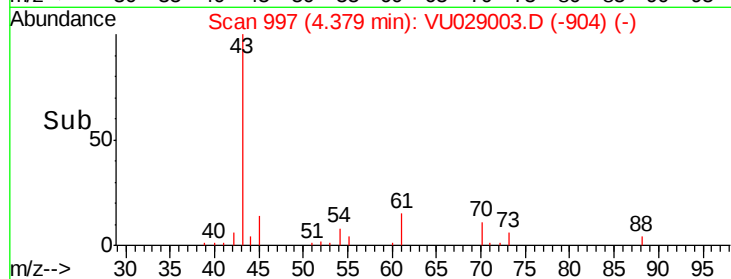
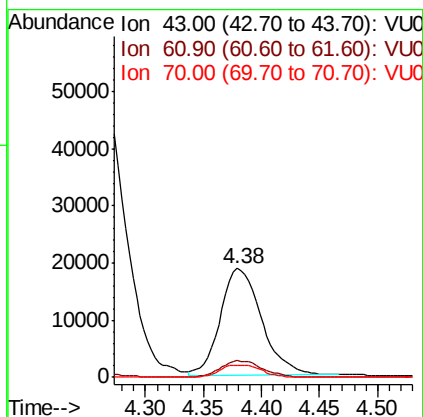
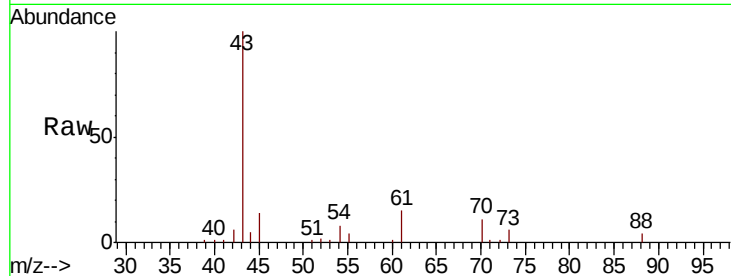
#37
Ethyl Acetate
Concen: 19.711 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.6	18.8
70	11.7	9.3	13.9

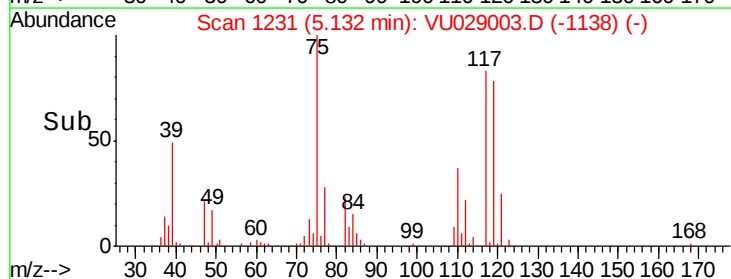
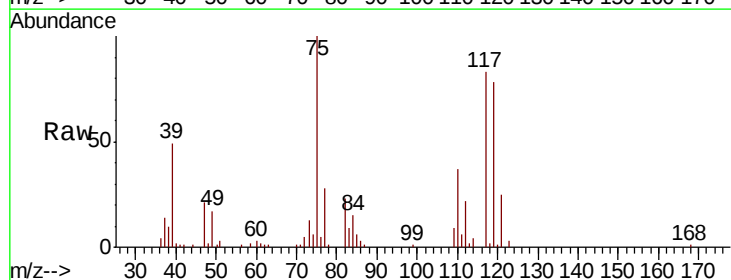
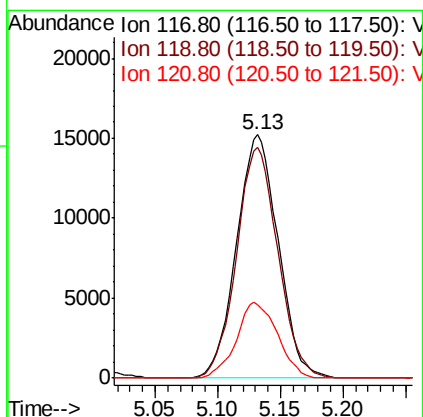
Manual Integrations
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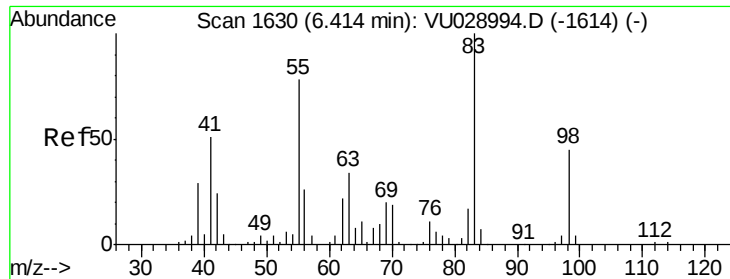
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#38
Carbon Tetrachloride
Concen: 19.647 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.6	111.8
121	30.2	25.0	37.6





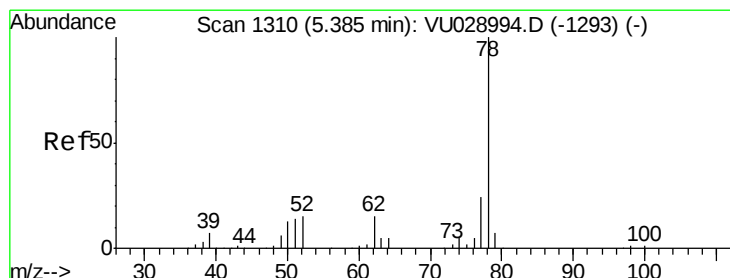
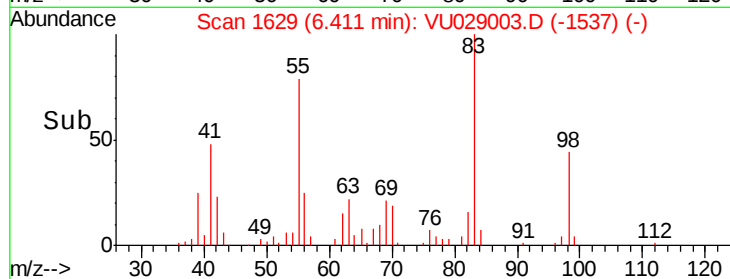
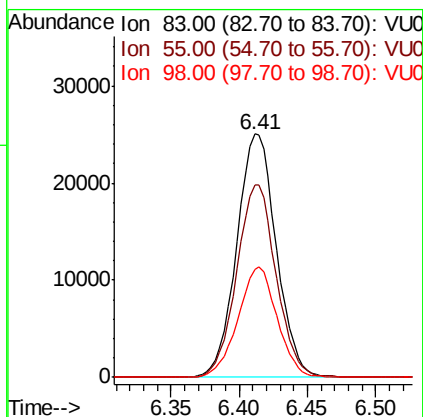
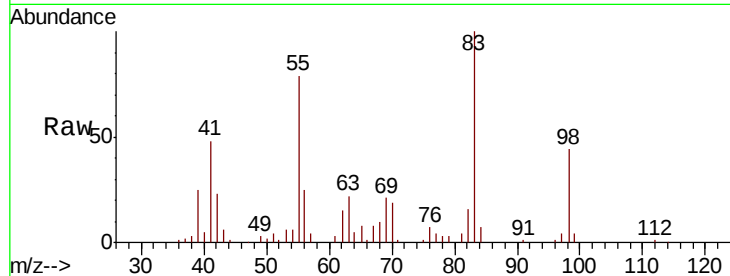
#39
Methylcyclohexane
Concen: 19.068 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.4	93.6
98	44.4	36.2	54.2

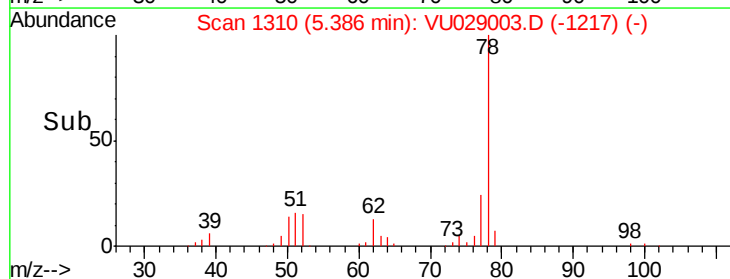
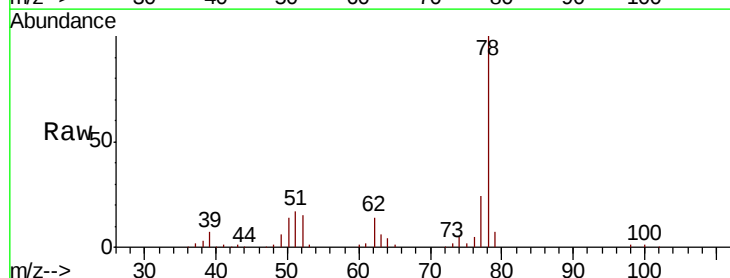
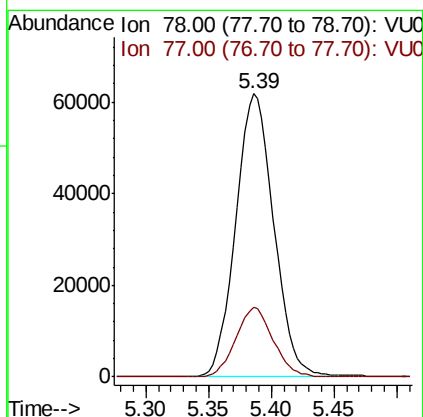
Manual Integrations
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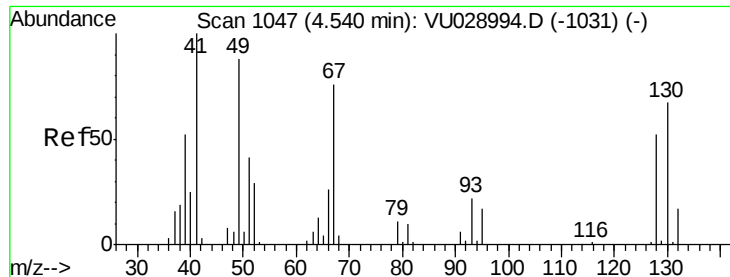
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#40
Benzene
Concen: 19.438 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.9	28.3





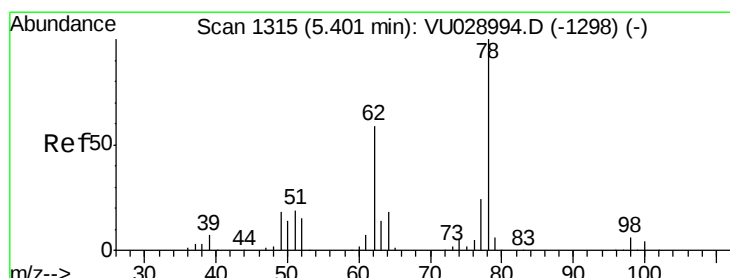
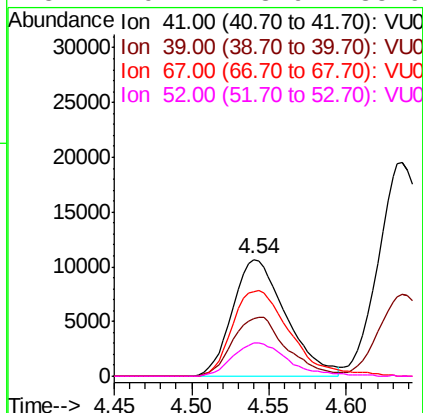
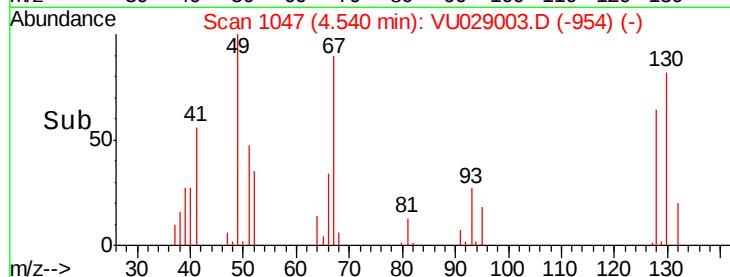
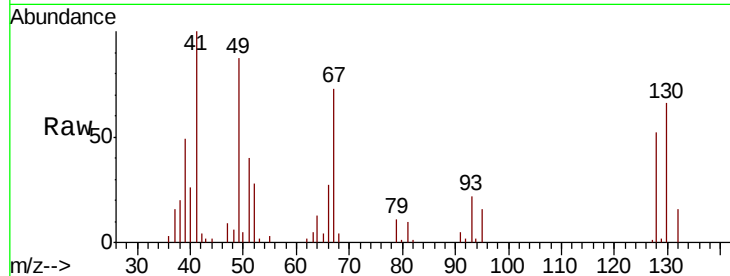
#41
Methacrylonitrile
Concen: 20.351 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.7	42.3	63.5	
67	79.2	64.4	96.6	
52	29.7	23.9	35.9	

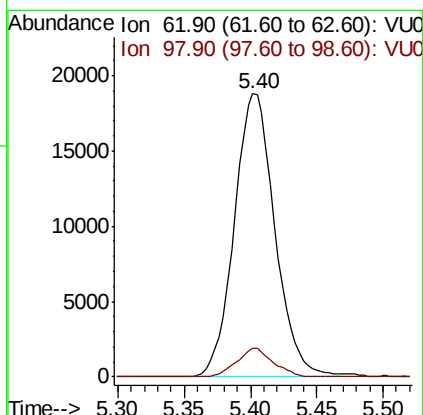
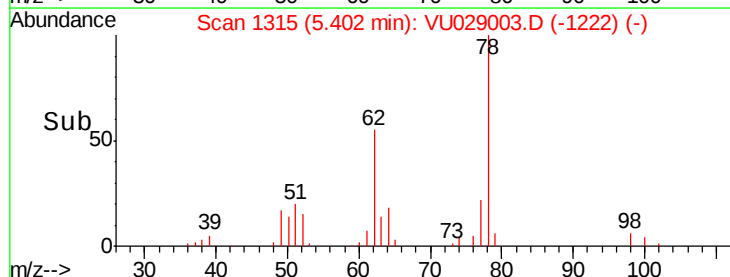
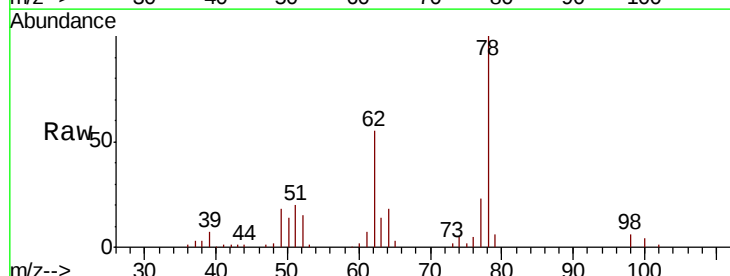
Manual Integrations
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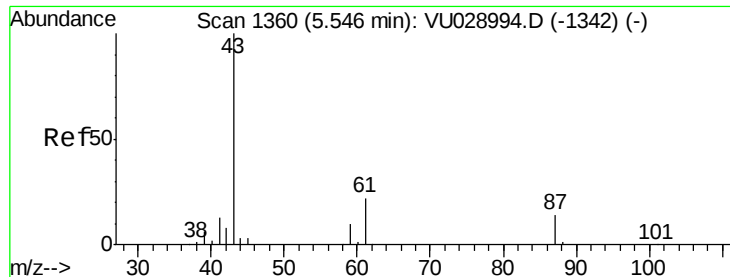
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#42
1,2-Dichloroethane
Concen: 19.889 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	19.6	





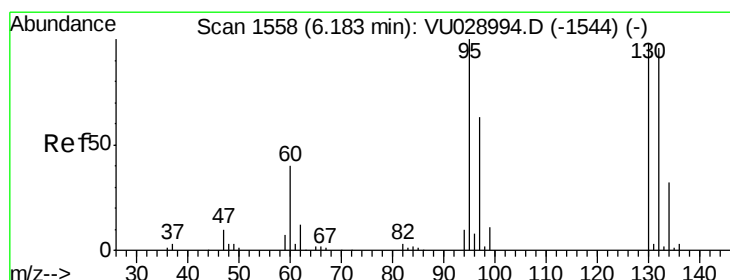
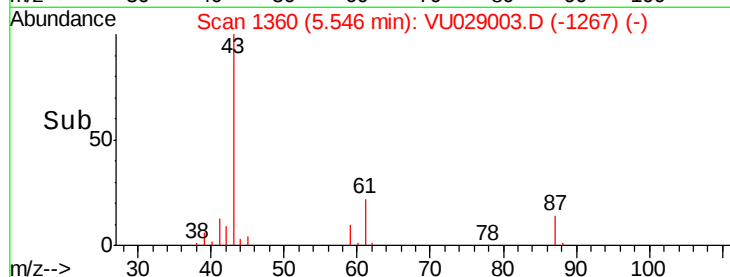
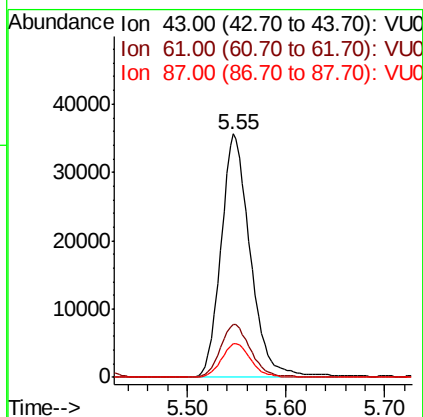
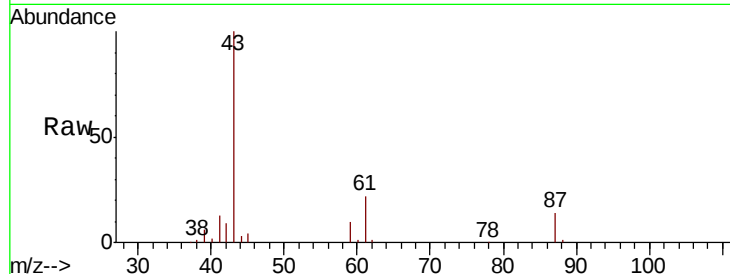
#43
Isopropyl Acetate
Concen: 20.508 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.8	26.6
87	13.7	11.3	16.9

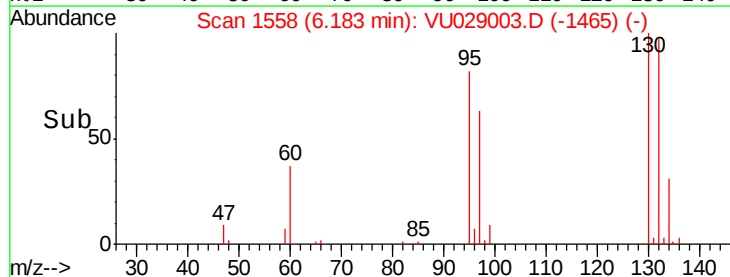
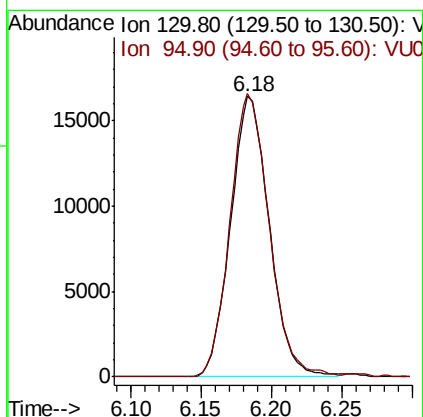
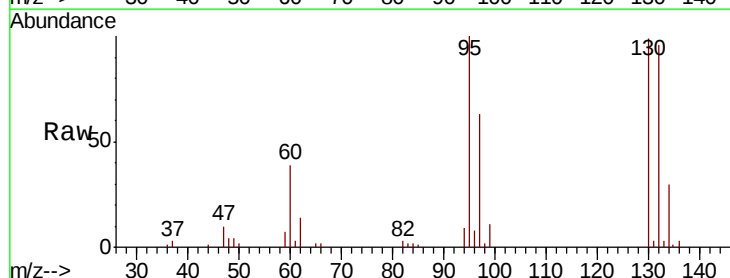
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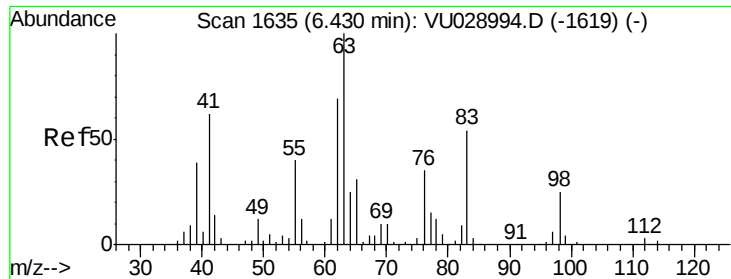
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#44
Trichloroethene
Concen: 19.014 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	205.0





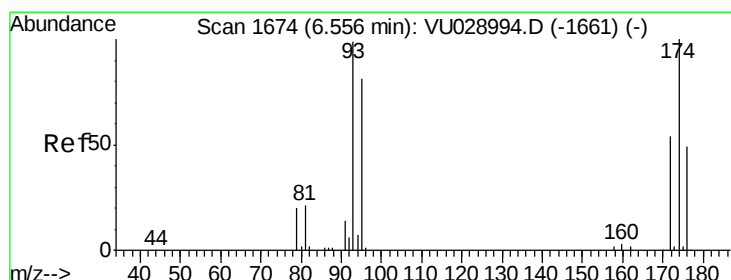
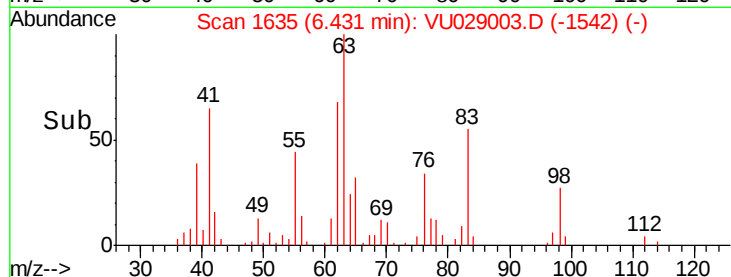
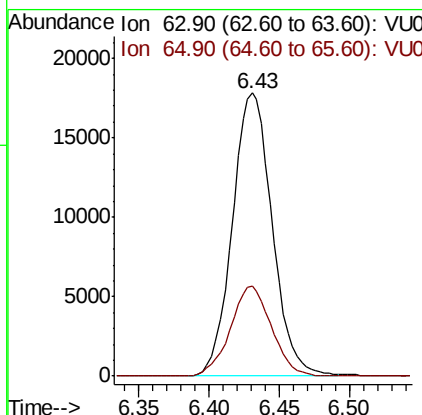
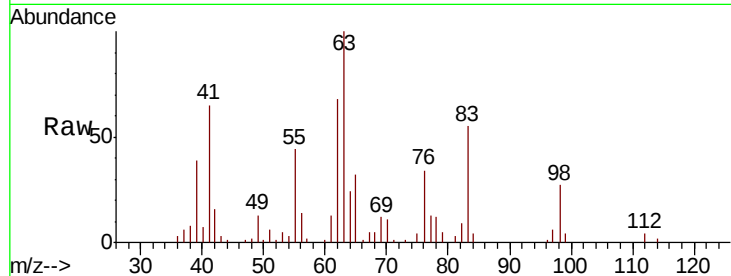
#45
 1,2-Dichloropropane
 Concen: 19.888 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion: 63 Resp: 35179
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.1 37.7

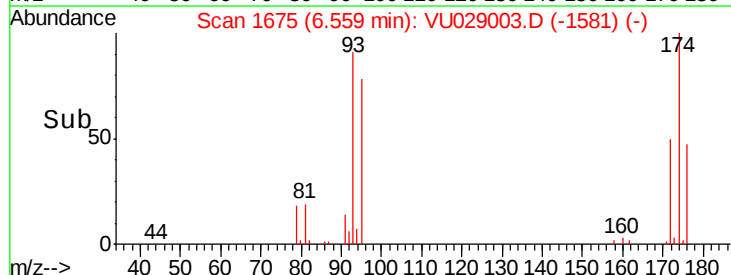
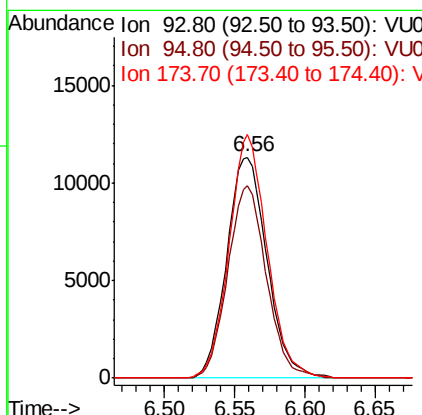
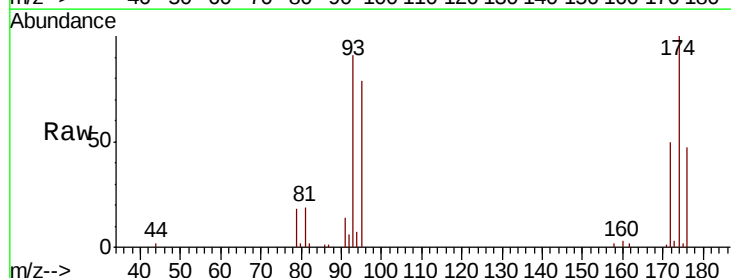
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#46
 Dibromomethane
 Concen: 20.002 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 93 Resp: 22618
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.2 100.8
 174 104.0 82.6 123.8





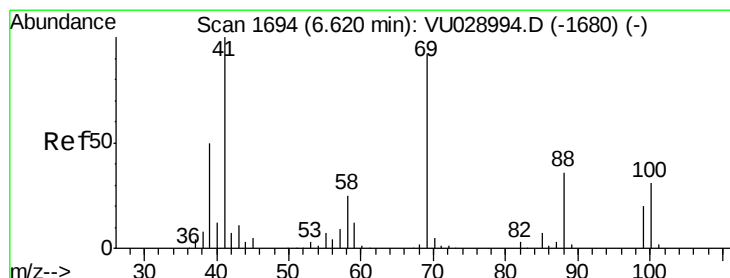
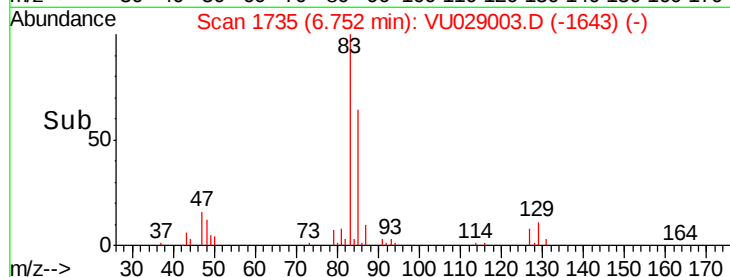
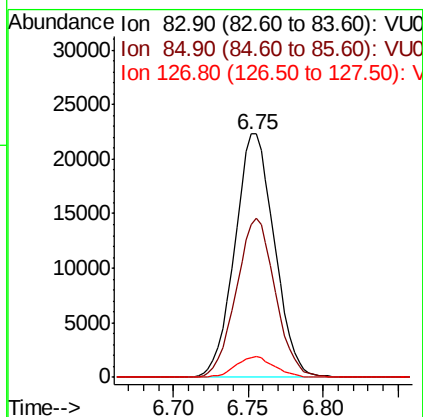
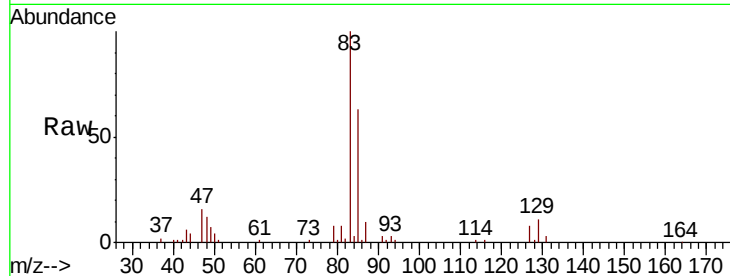
#47
Bromodichloromethane
Concen: 19.742 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.2
127	8.1	7.0	10.4

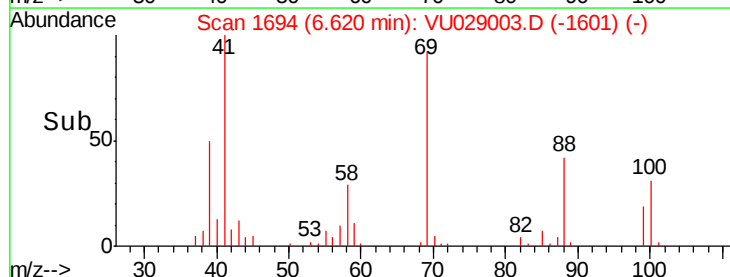
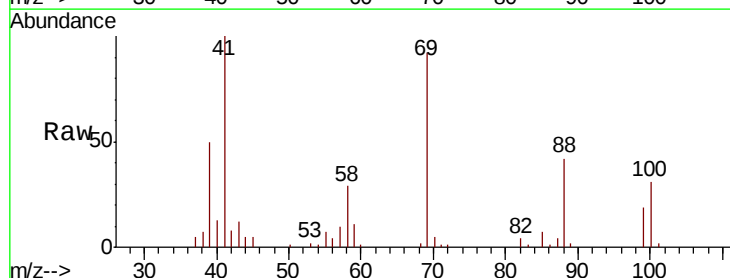
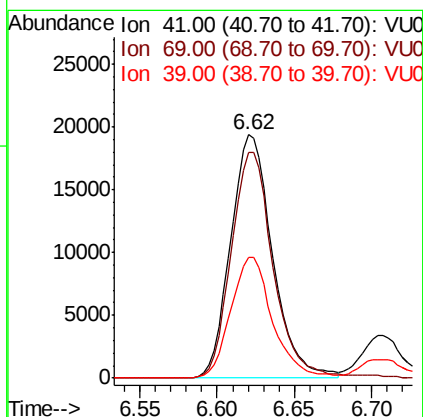
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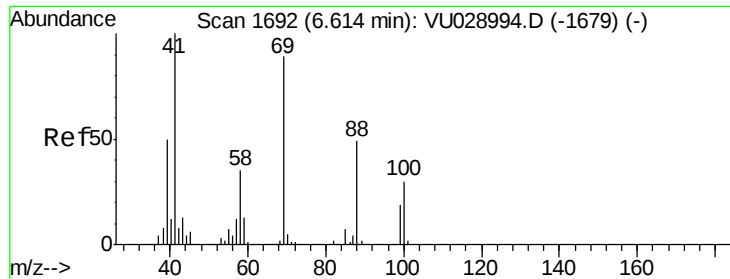
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#48
Methyl methacrylate
Concen: 20.706 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.3	73.6	110.4
39	49.6	39.6	59.4





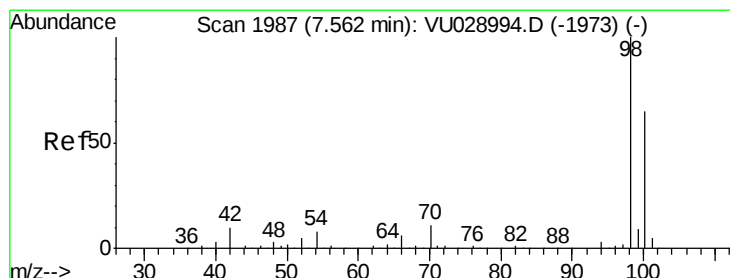
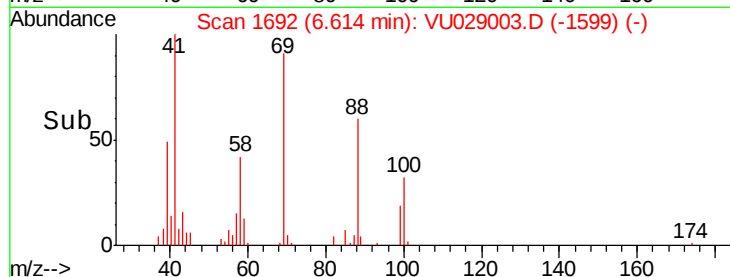
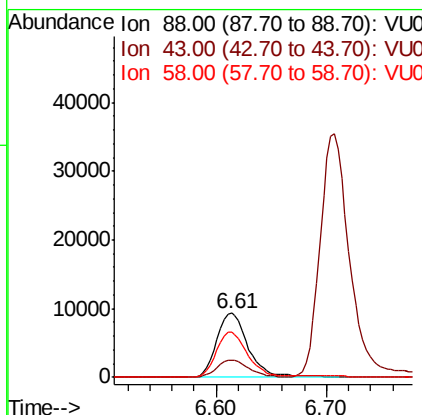
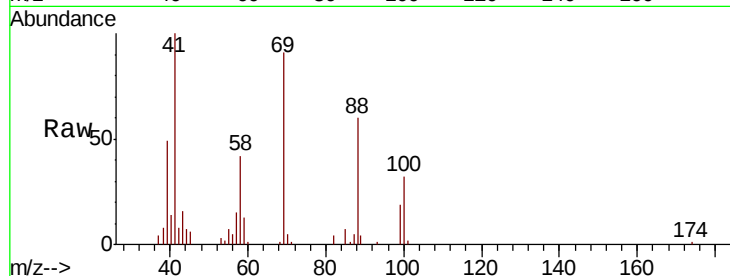
#49
1,4-Dioxane
Concen: 446.891 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.0	23.0	34.4
58	69.2	57.9	86.9

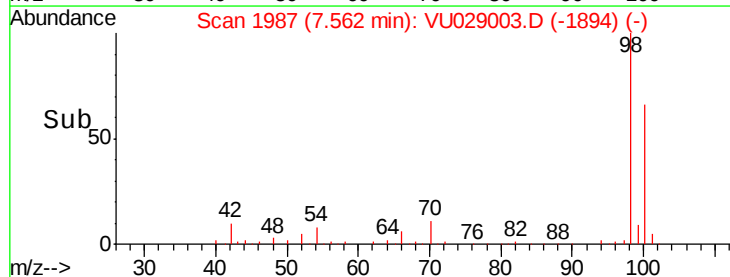
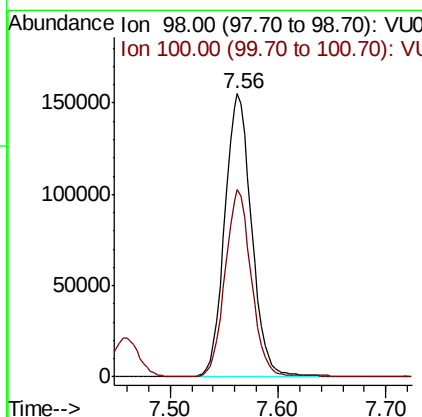
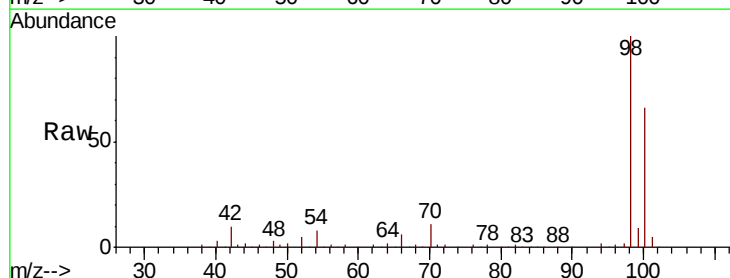
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#50
Toluene-d8
Concen: 48.984 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





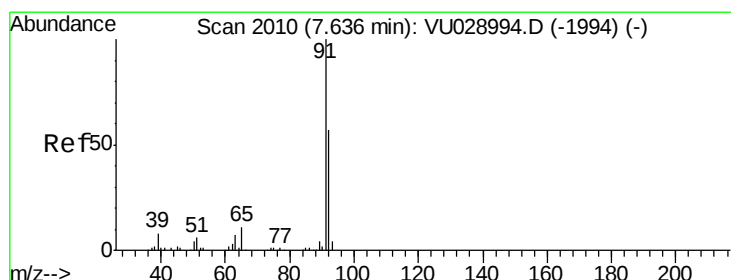
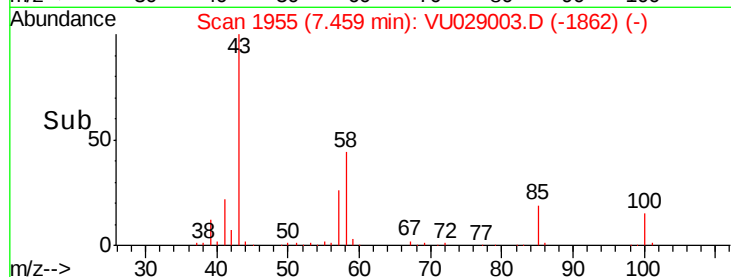
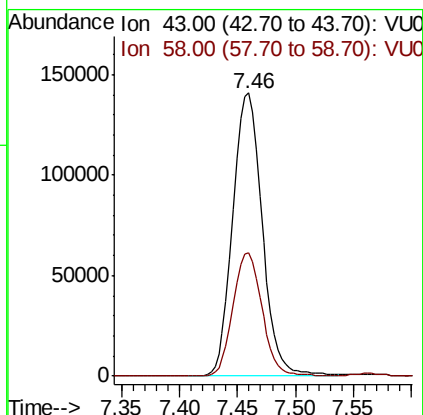
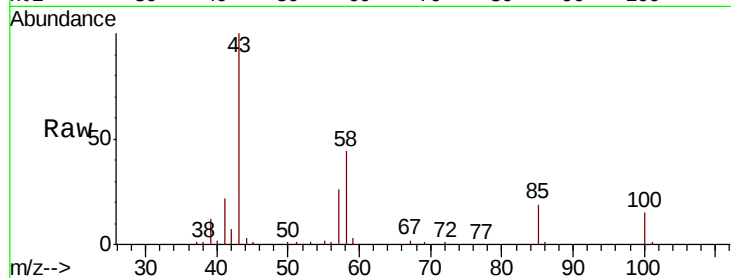
#51
4-Methyl-2-Pentanone
Concen: 100.841 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion: 43 Resp: 248145
Ion Ratio Lower Upper
43 100
58 43.1 33.9 50.9

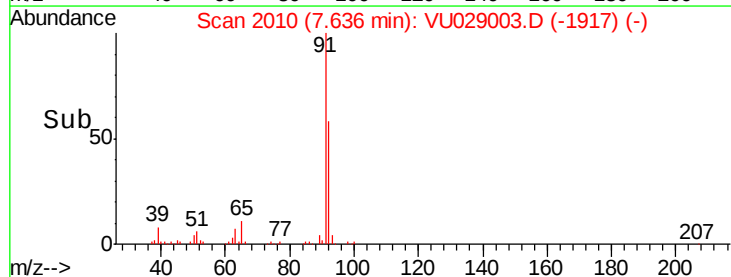
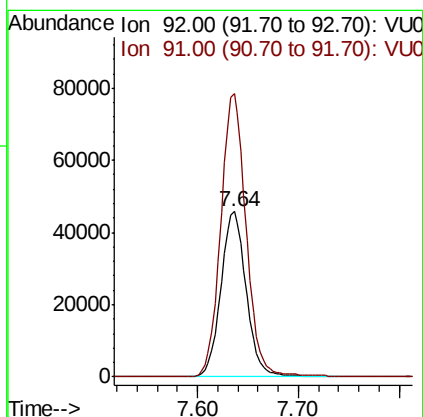
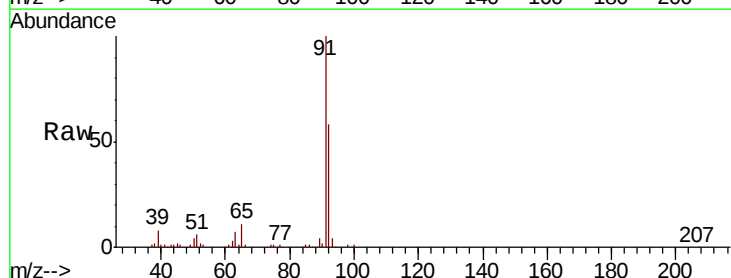
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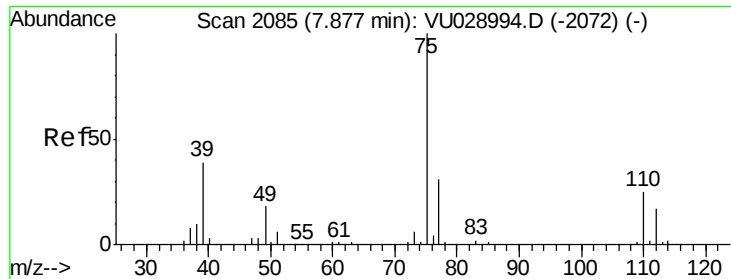
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#52
Toluene
Concen: 19.809 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 92 Resp: 80774
Ion Ratio Lower Upper
92 100
91 171.1 139.8 209.8





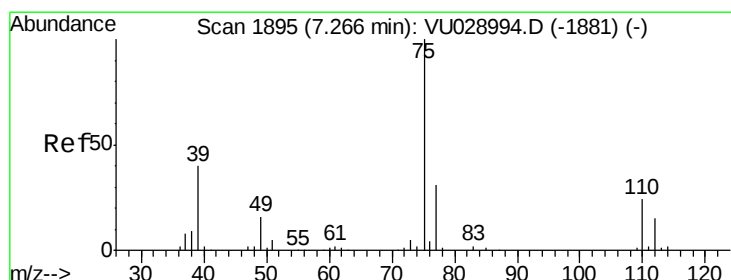
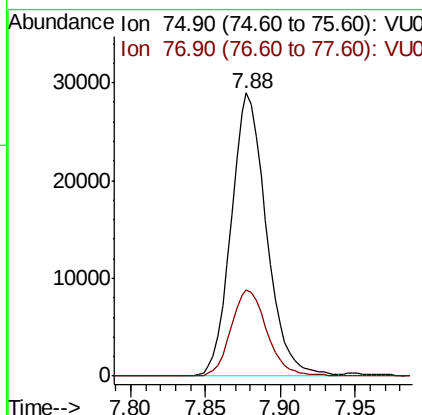
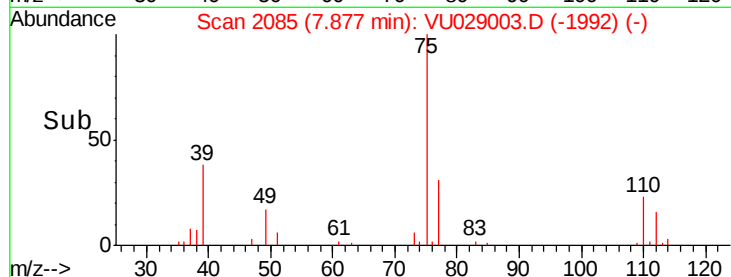
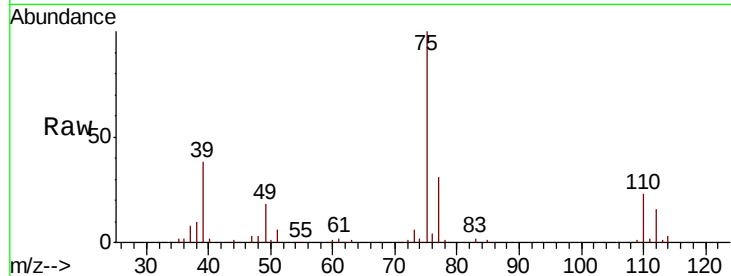
#53
 t-1,3-Dichloropropene
 Concen: 18.980 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion: 75 Resp: 47468
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.0 37.4

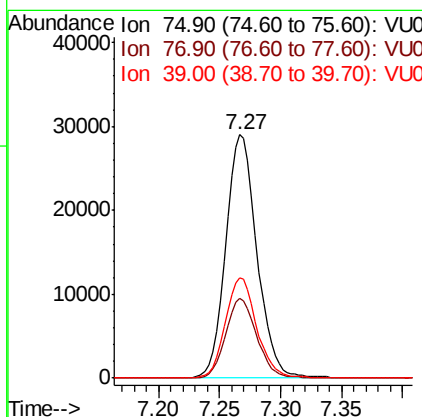
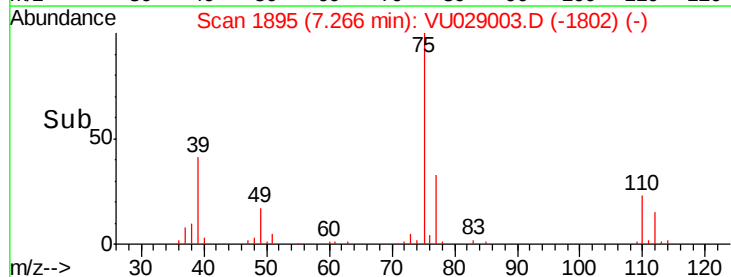
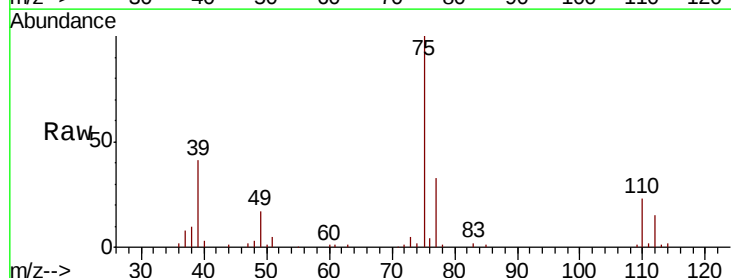
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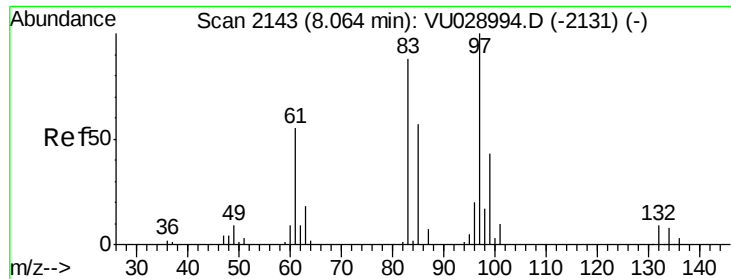
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#54
 cis-1,3-Dichloropropene
 Concen: 19.198 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 75 Resp: 51882
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.0 37.6
 39 41.2 32.2 48.4





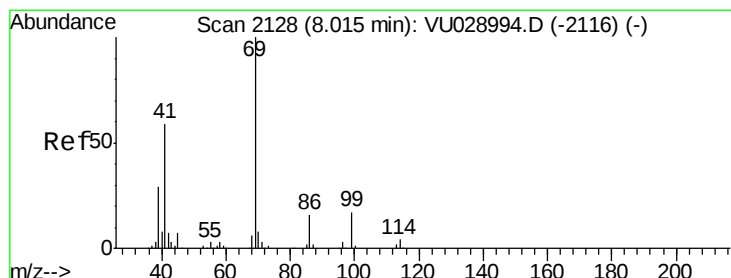
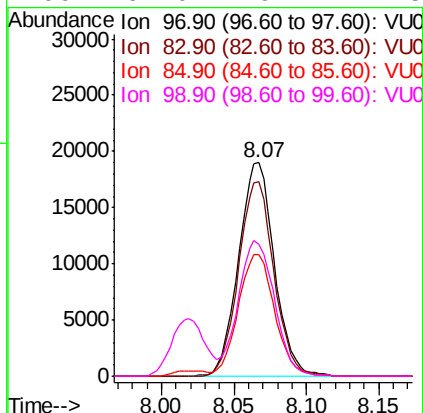
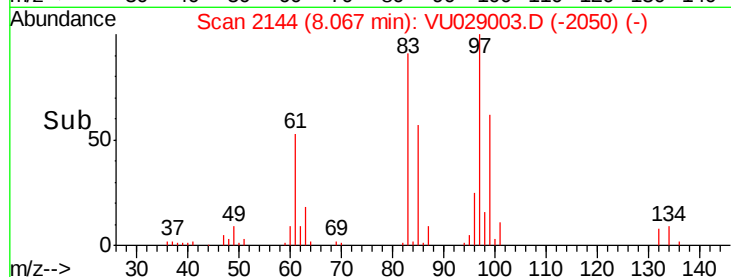
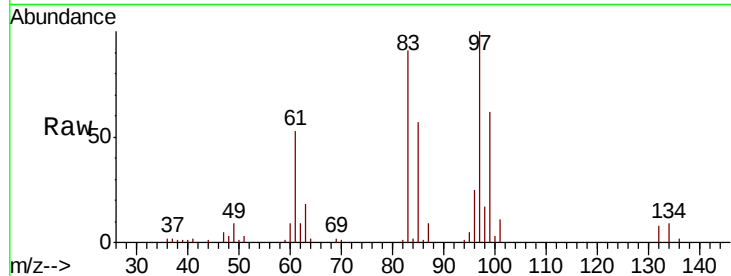
#55
 1,1,2-Trichloroethane
 Concen: 19.969 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.0	69.8	104.8
85	57.1	47.3	70.9
99	62.0	49.7	74.5

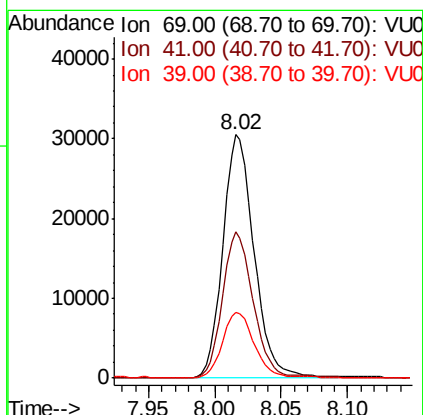
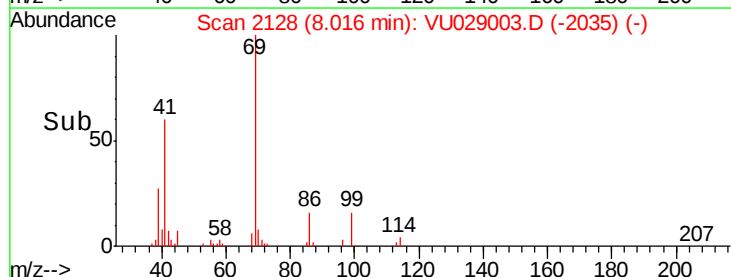
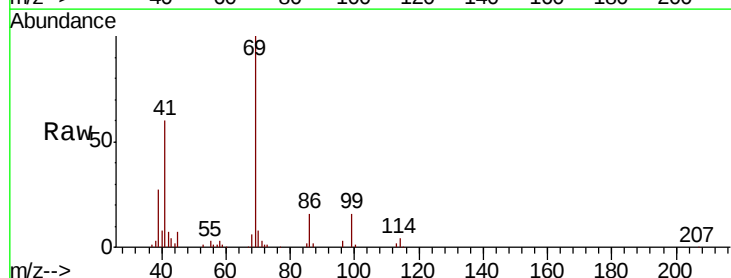
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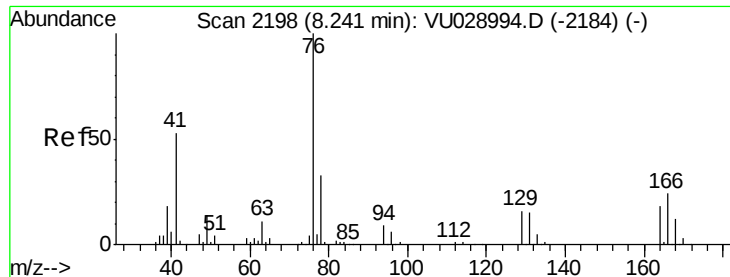
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#56
 Ethyl methacrylate
 Concen: 19.892 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.6	47.5	71.3
39	27.8	22.5	33.7





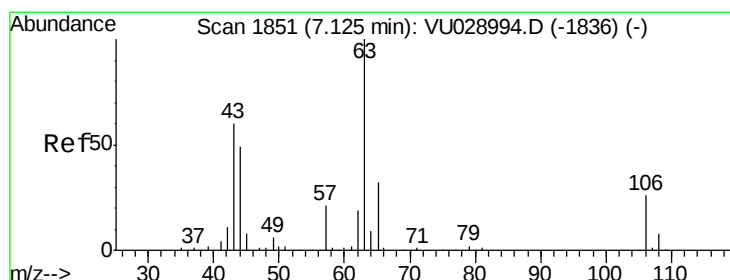
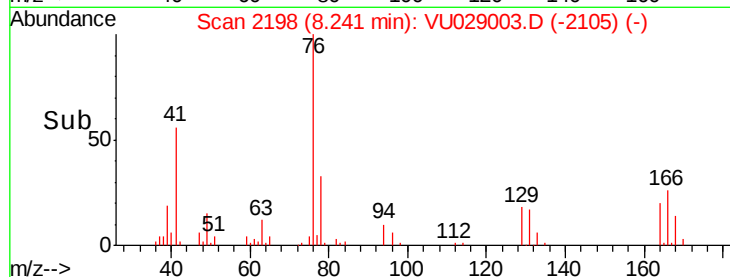
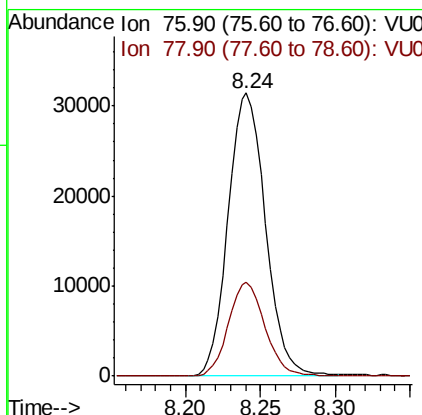
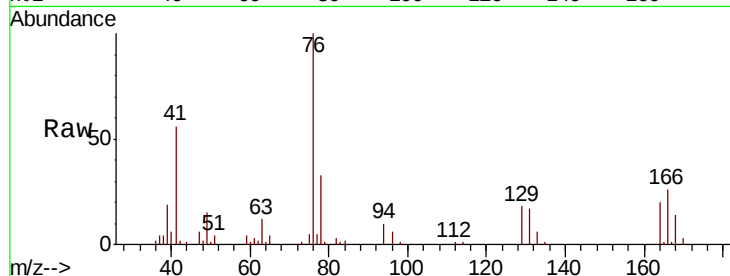
#57
 1,3-Dichloropropane
 Concen: 19.589 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion: 76 Resp: 54757
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.0 39.0

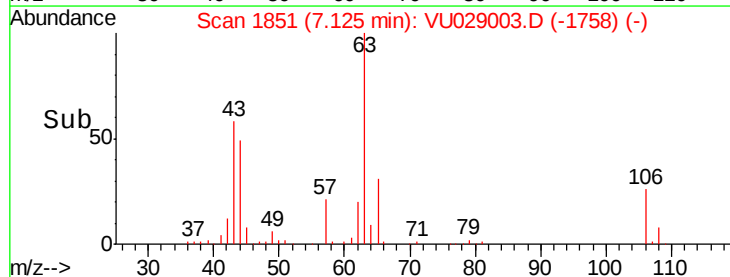
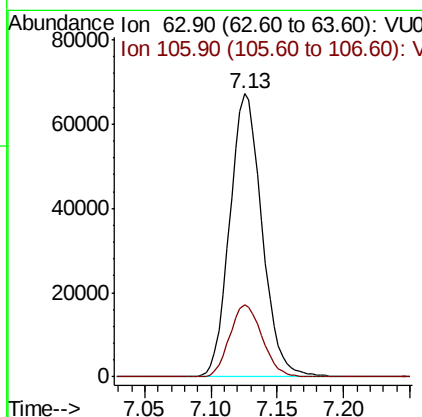
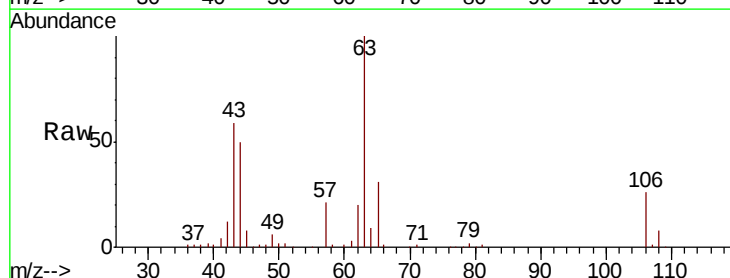
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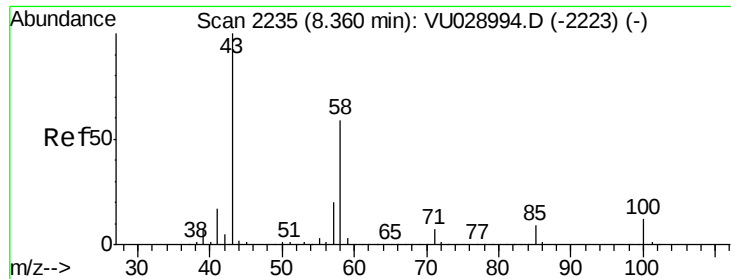
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.558 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 63 Resp: 113513
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.6 31.0





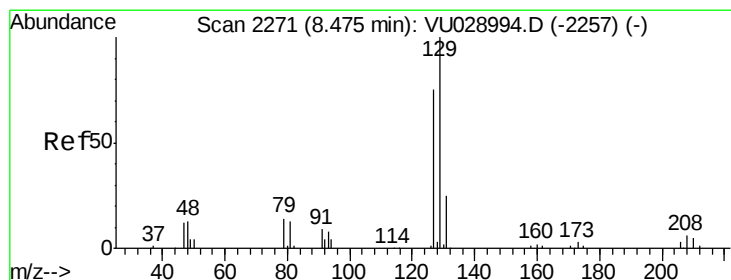
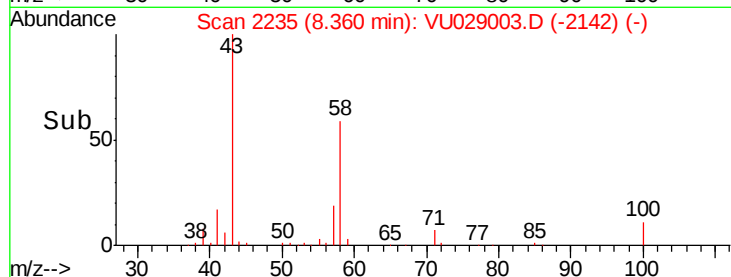
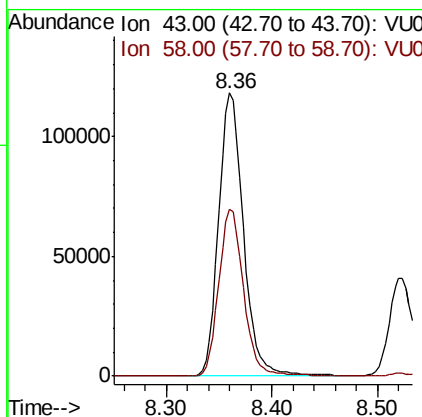
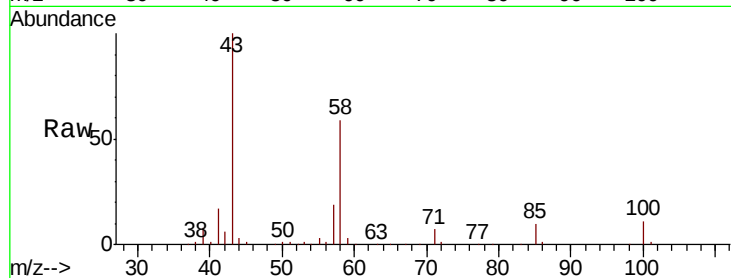
#59
2-Hexanone
Concen: 100.221 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion: 43 Resp: 193586
Ion Ratio Lower Upper
43 100
58 58.8 29.8 89.4

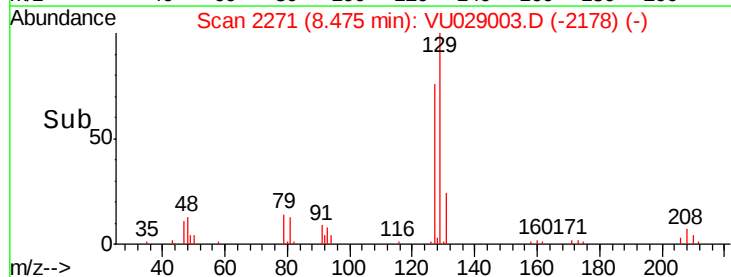
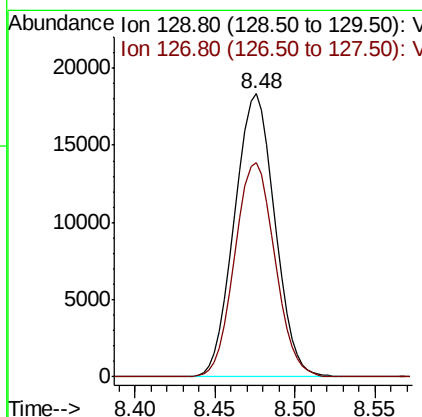
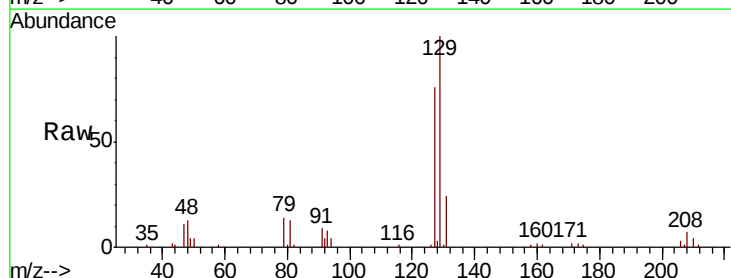
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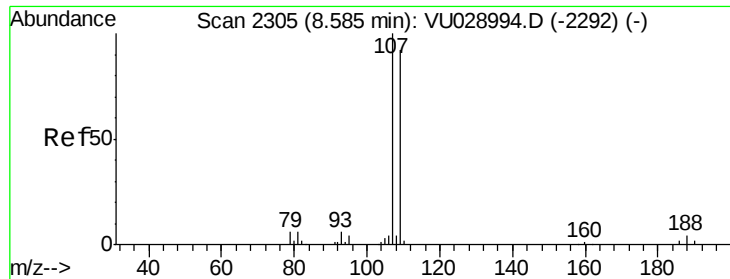
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#60
Dibromochloromethane
Concen: 19.549 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 129 Resp: 31638
Ion Ratio Lower Upper
129 100
127 75.3 38.0 114.0





#61

1,2-Dibromoethane

Concen: 19.552 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBS01

Tgt Ion: 107 Resp: 34641

Ion Ratio Lower Upper

107 100

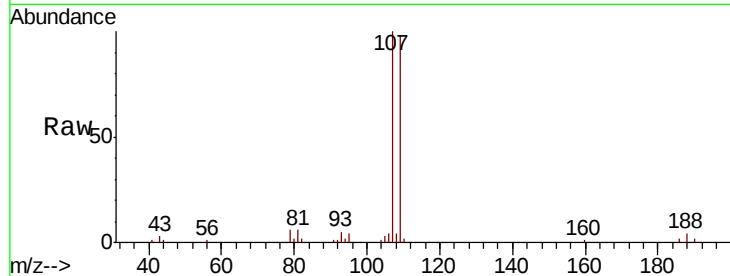
109 97.3 75.5 113.3

Manual Integrations

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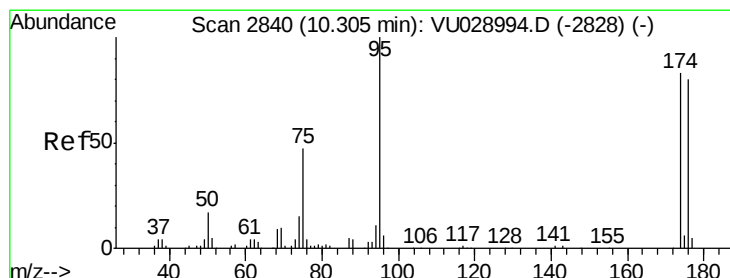
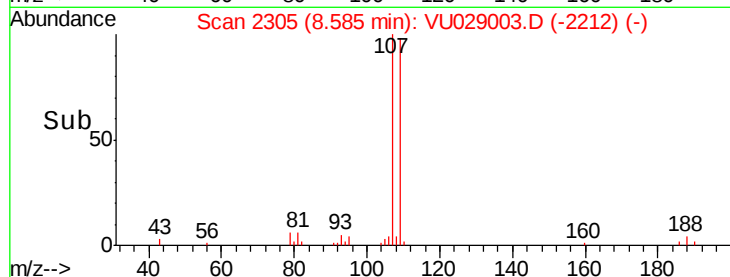
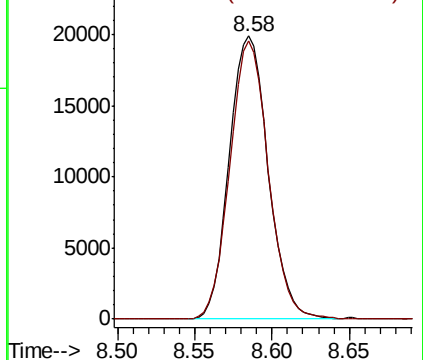
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.744 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

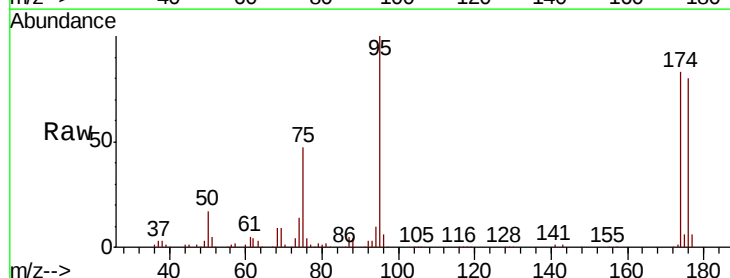
Tgt Ion: 95 Resp: 94335

Ion Ratio Lower Upper

95 100

174 85.1 0.0 170.6

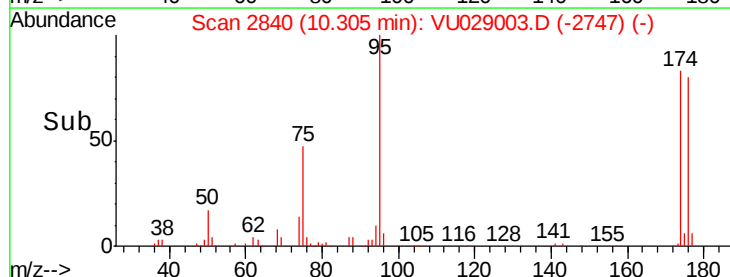
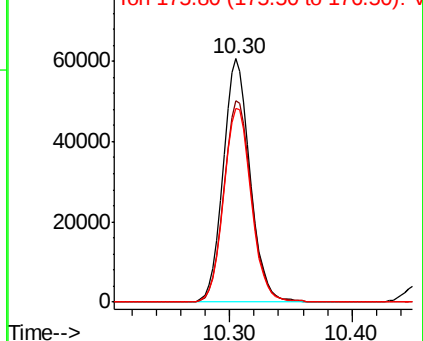
176 81.6 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





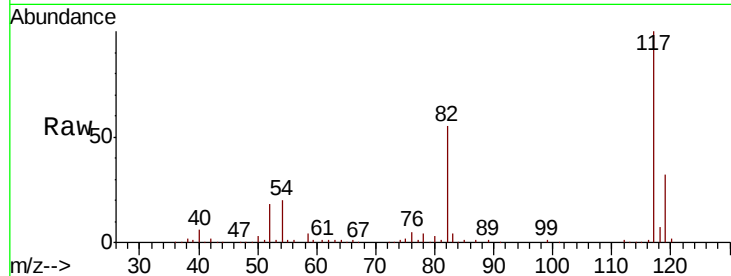
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	197520		
82	55.0	43.9	65.9	
119	31.9	26.0	39.0	

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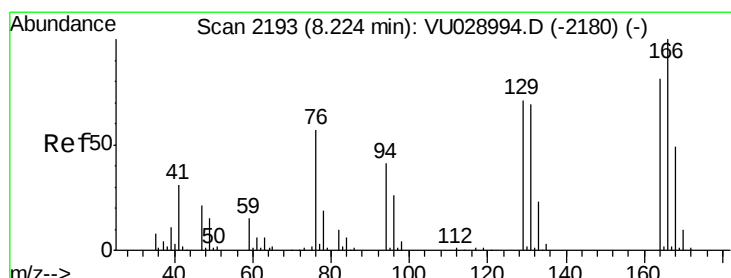
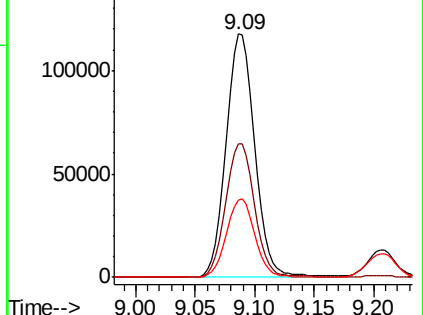
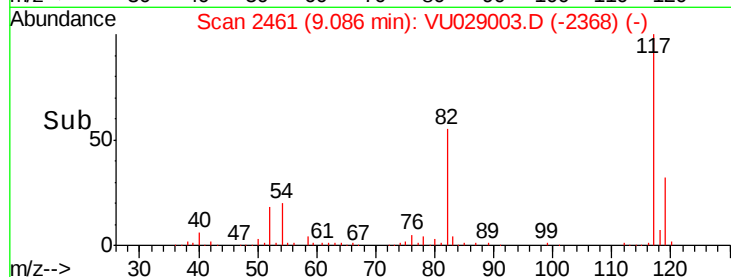


Abundance

Ion 116.90 (116.60 to 117.60): V

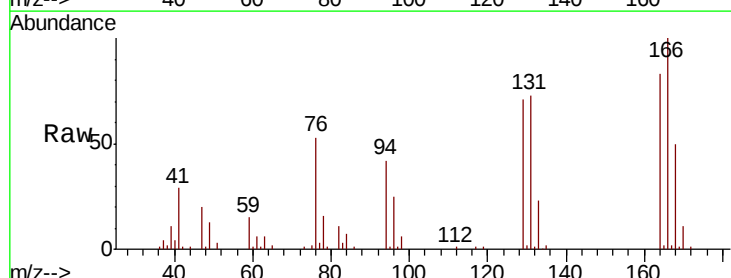
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.030 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	28500		
166	120.0	99.4	149.0	
129	85.7	70.5	105.7	
131	87.3	69.0	103.6	



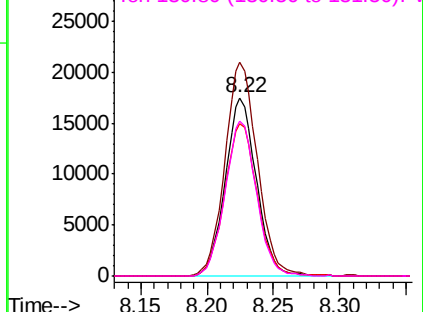
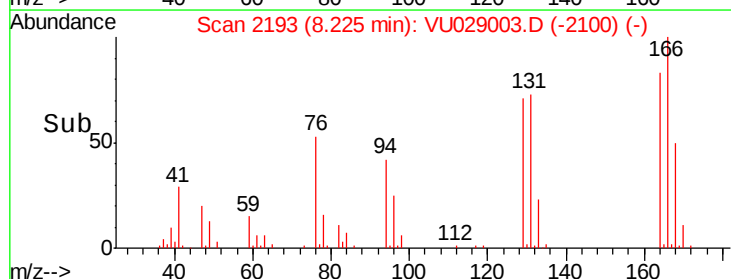
Abundance

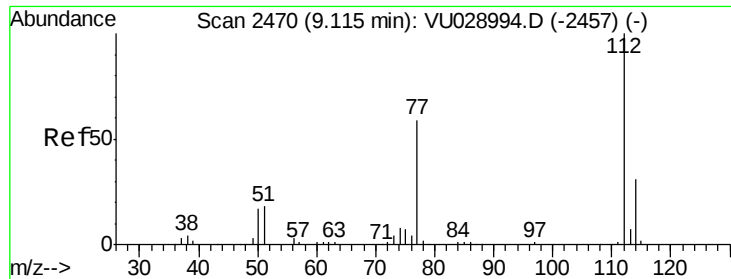
Ion 163.80 (163.50 to 164.50): V

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





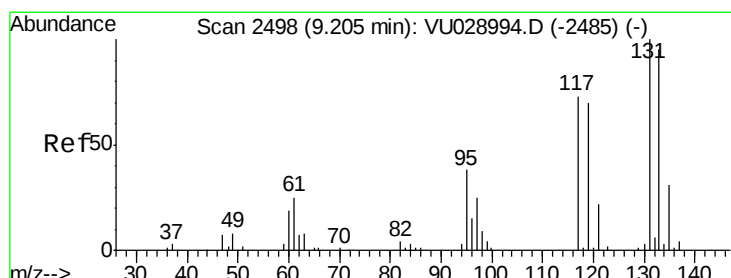
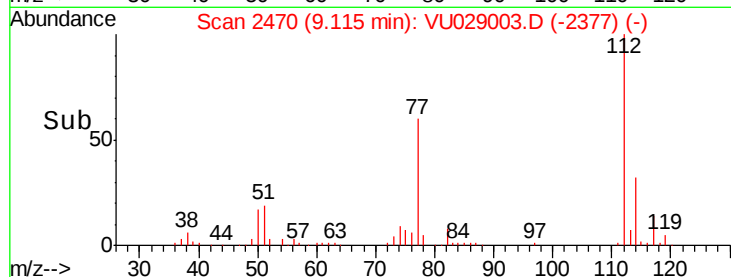
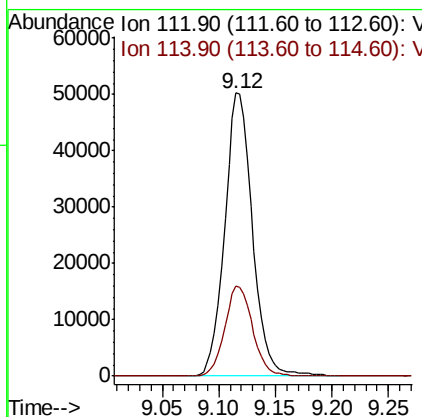
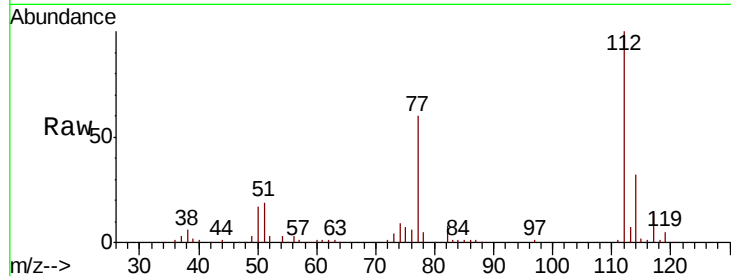
#65
Chlorobenzene
Concen: 19.389 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion:112 Resp: 85845
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

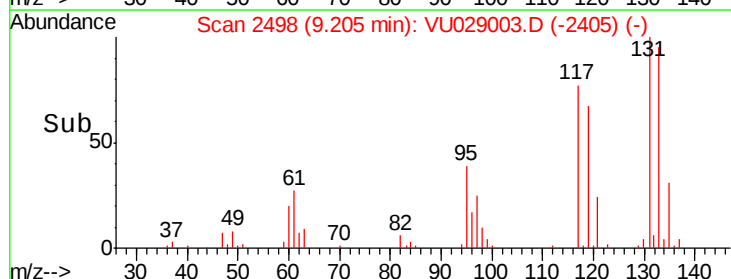
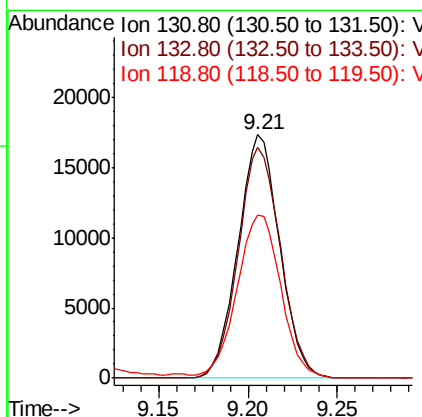
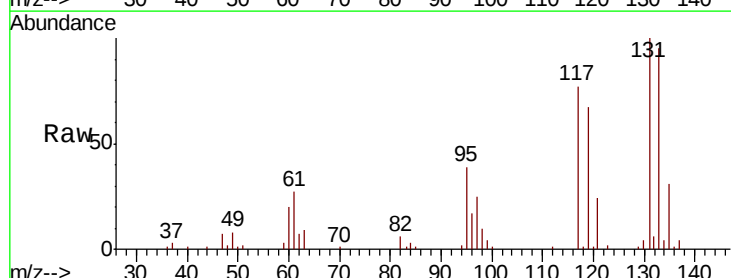
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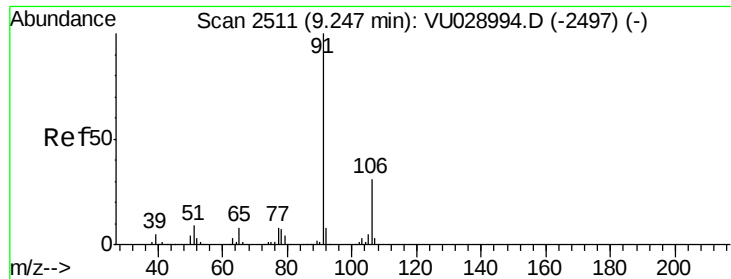
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.671 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion:131 Resp: 28263
Ion Ratio Lower Upper
131 100
133 96.6 48.2 144.6
119 70.8 35.4 106.3





#67

Ethyl Benzene

Concen: 19.745 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBS01

Tgt Ion: 91 Resp: 145952

Ion Ratio Lower Upper

91 100

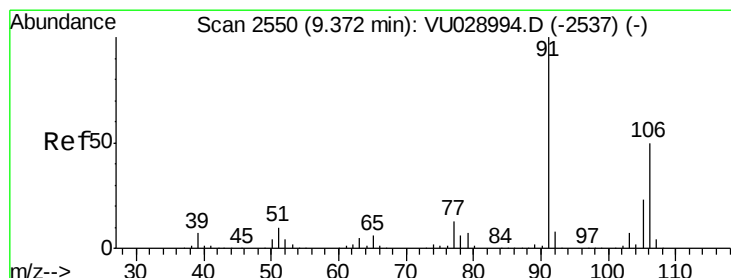
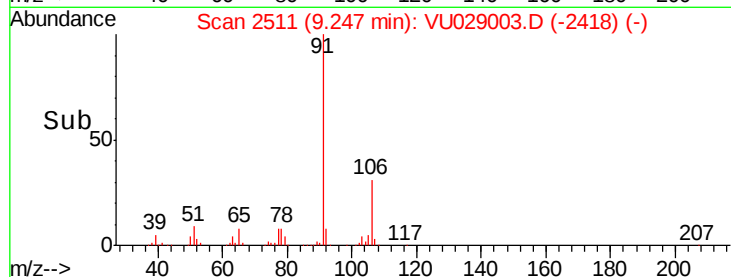
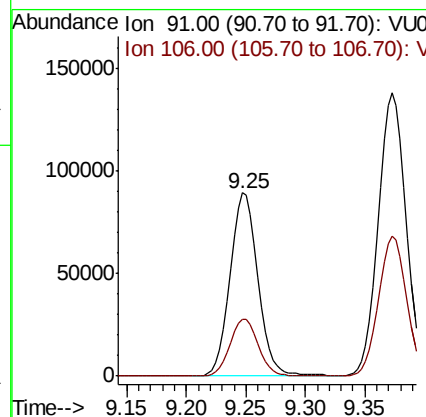
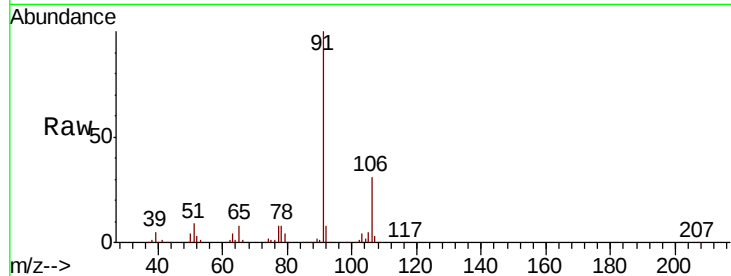
106 31.2 25.0 37.4

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#68

m/p-Xylenes

Concen: 39.509 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029003.D

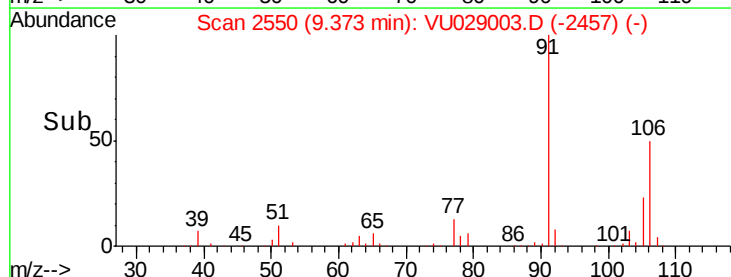
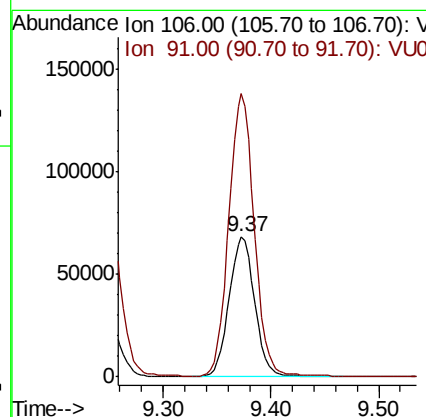
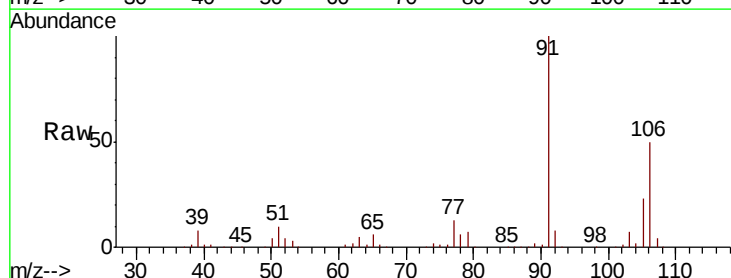
Acq: 03 Jan 2019 17:36

Tgt Ion: 106 Resp: 113476

Ion Ratio Lower Upper

106 100

91 199.6 161.7 242.5





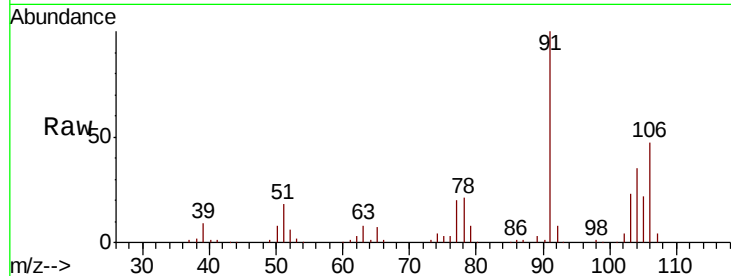
#69
o-Xylene
Concen: 20.228 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

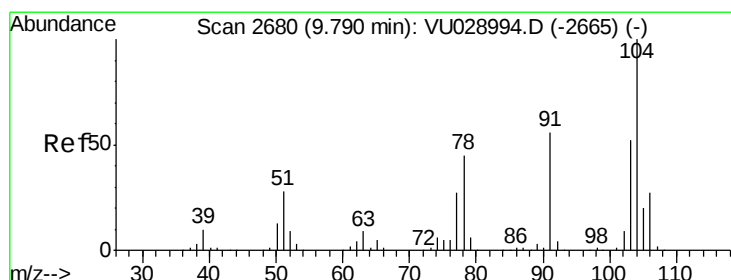
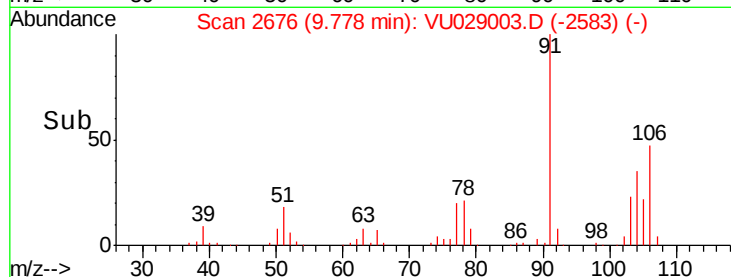
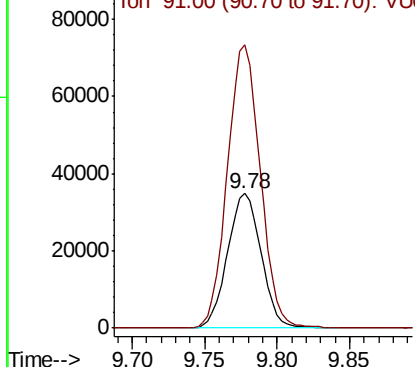
Tgt Ion:106 Resp: 55978
Ion Ratio Lower Upper
106 100
91 207.1 106.1 318.3

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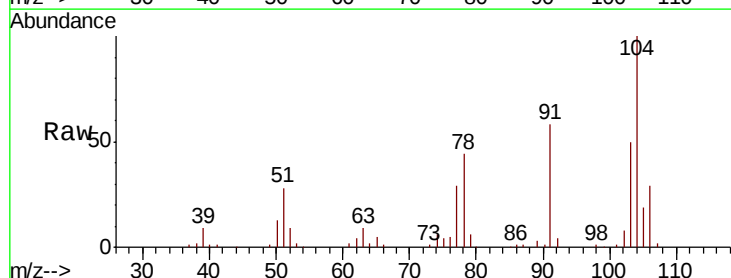


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

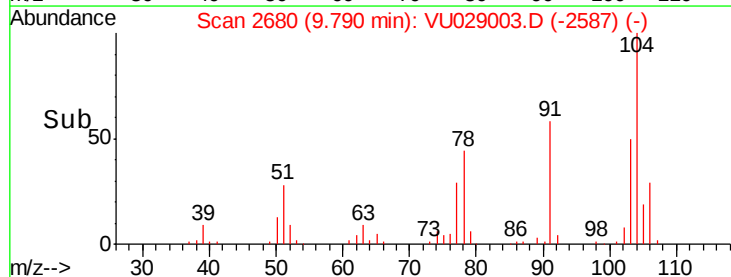
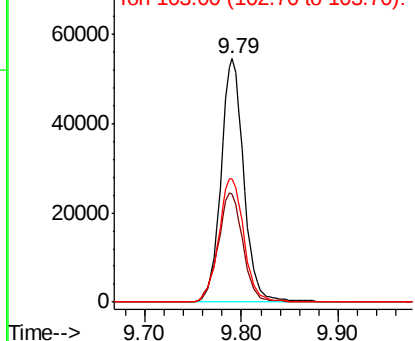


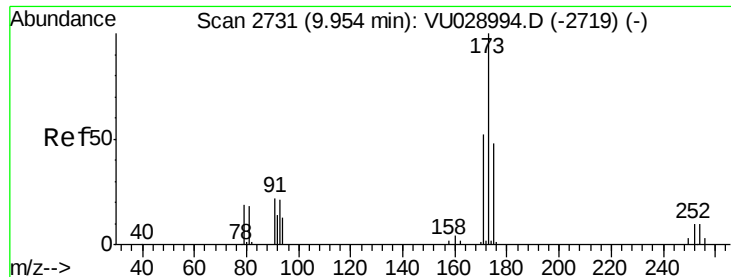
#70
Styrene
Concen: 19.572 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion:104 Resp: 88794
Ion Ratio Lower Upper
104 100
78 48.9 38.6 58.0
103 56.2 44.5 66.7



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





#71

Bromoform

Concen: 19.488 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBS01

Tgt Ion:173 Resp: 24932

Ion Ratio Lower Upper

173 100

175 47.2 23.8 71.2

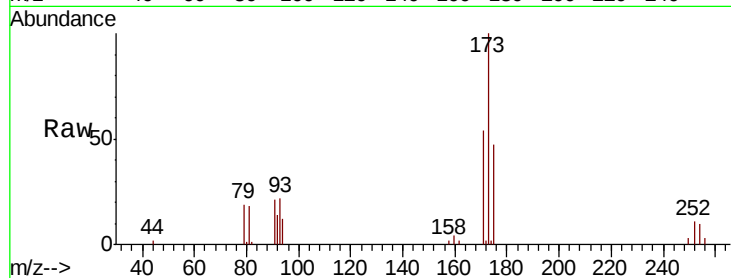
254 0.0 0.0 0.0

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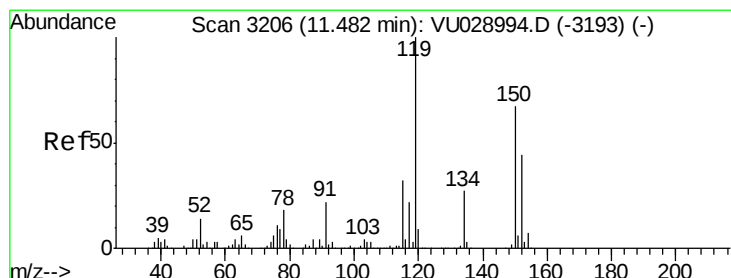
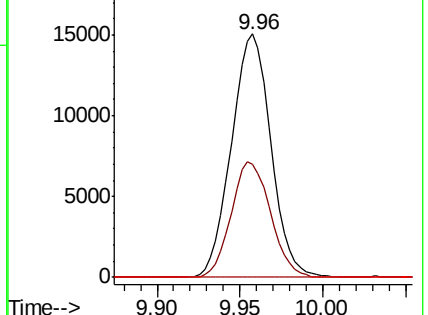
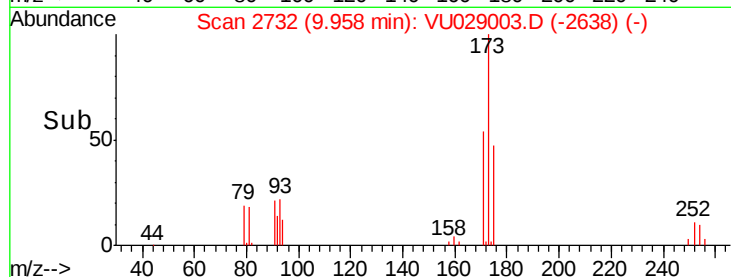


Abundance

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: VU029003.D

Acq: 03 Jan 2019 17:36

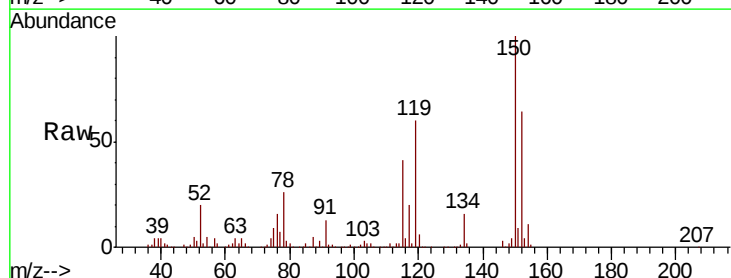
Tgt Ion:152 Resp: 96186

Ion Ratio Lower Upper

152 100

115 66.1 40.1 120.3

150 162.9 0.0 345.2

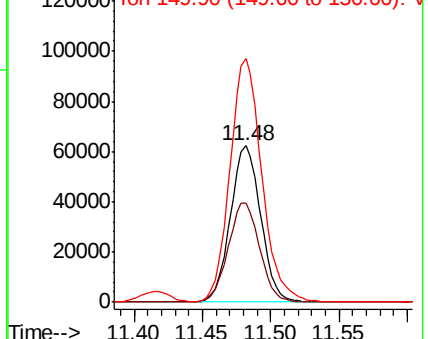
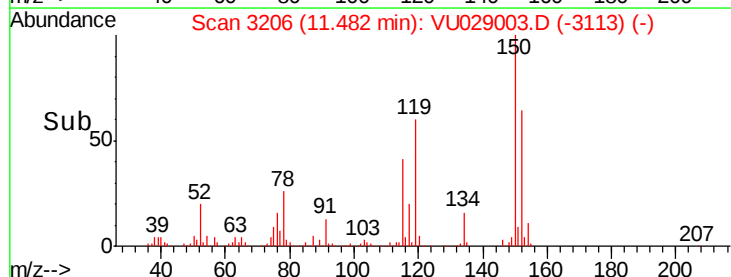


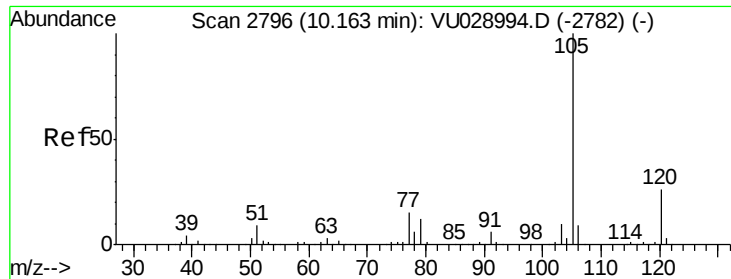
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.218 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBS01

Tgt Ion: 105 Resp: 143942

Ion Ratio Lower Upper

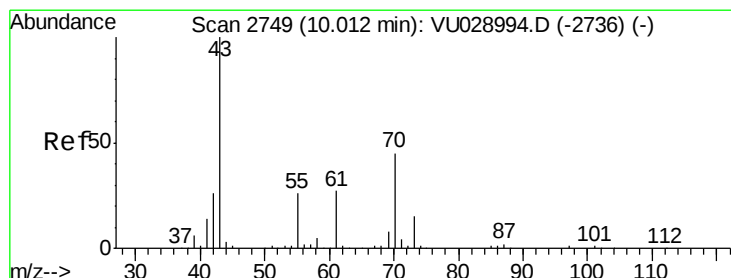
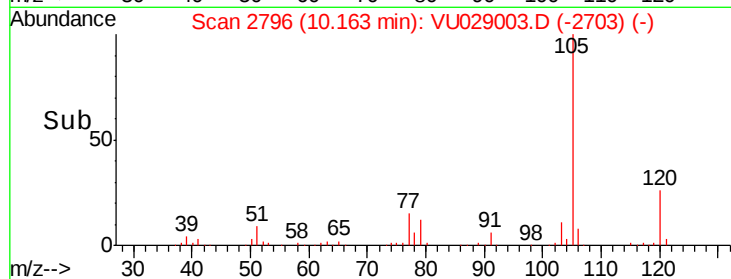
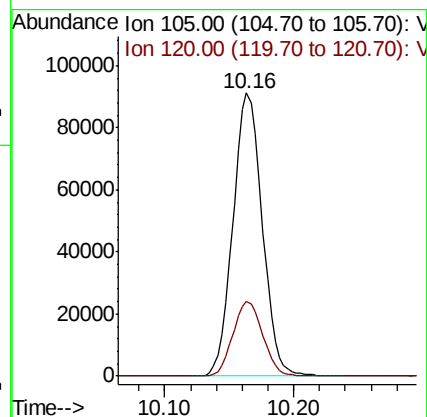
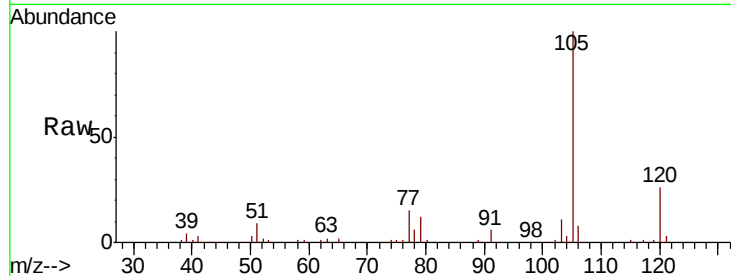
105 100

120 26.9 13.2 39.5

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#74

N-ethyl acetate

Concen: 20.871 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Tgt Ion: 43 Resp: 64028

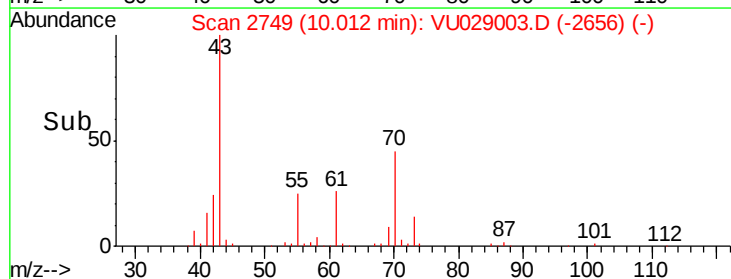
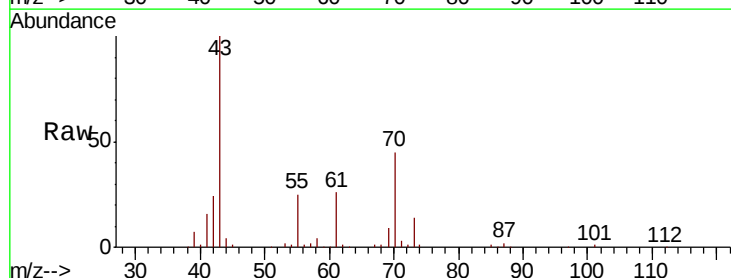
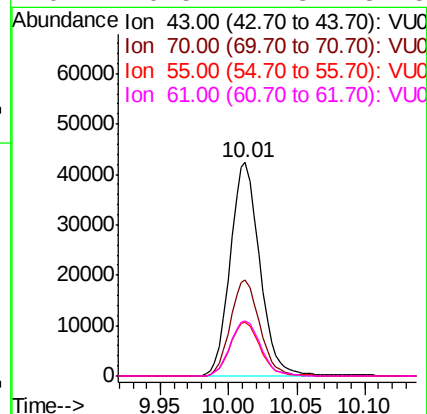
Ion Ratio Lower Upper

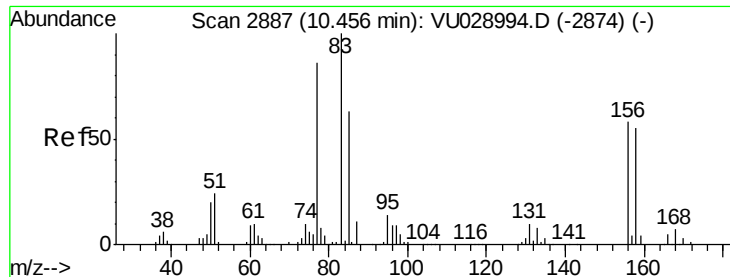
43 100

70 44.5 36.3 54.5

55 25.6 20.5 30.7

61 26.5 21.8 32.8





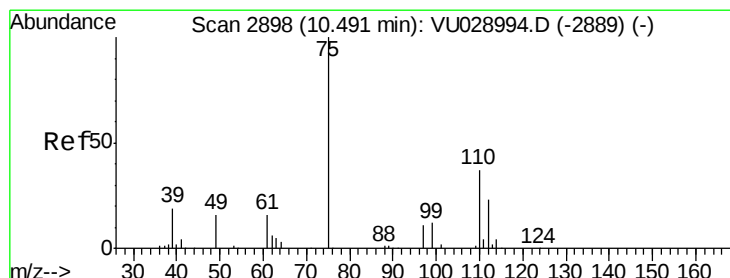
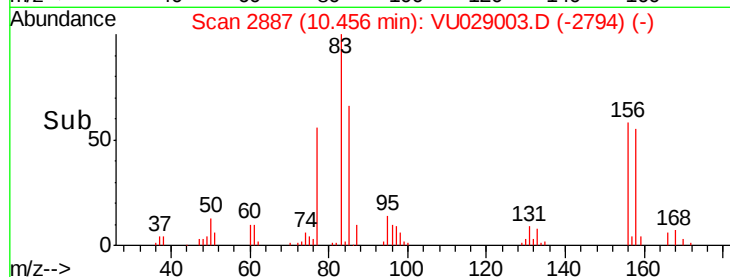
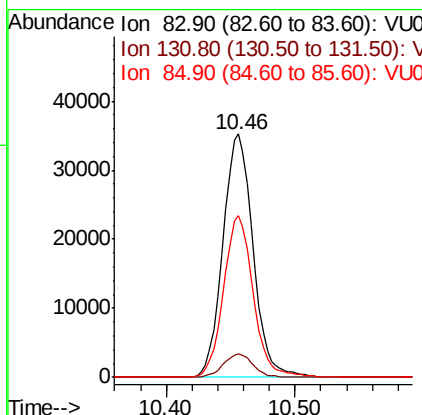
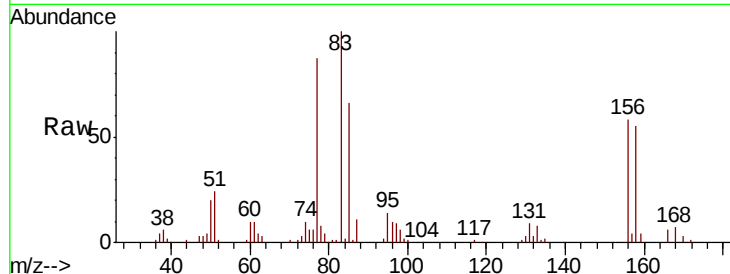
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.058 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.1
85	65.1	32.0	96.2

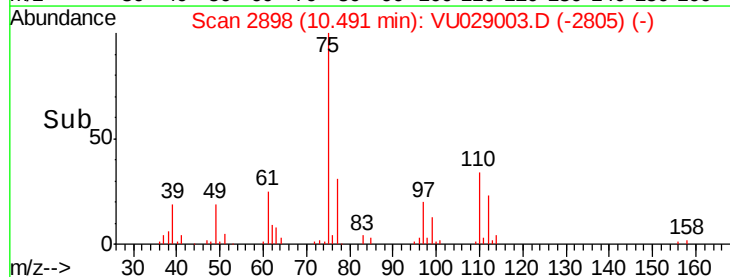
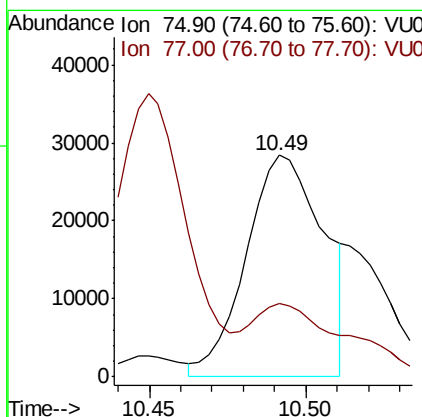
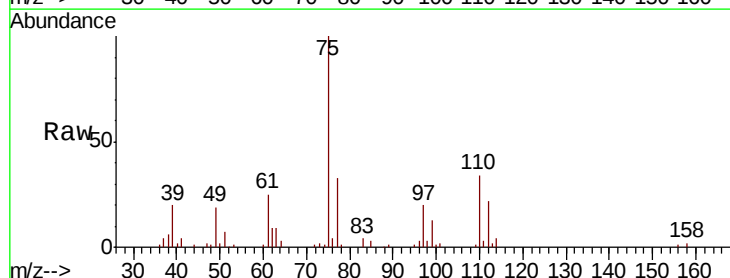
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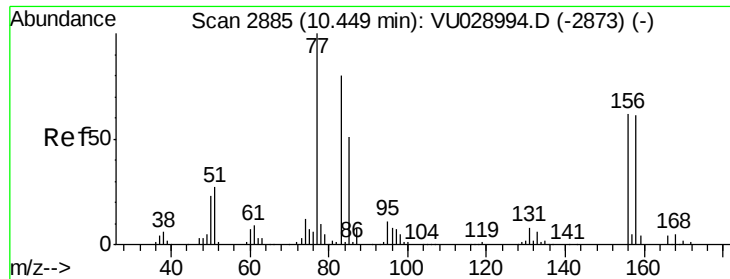
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 20.693 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	41.0	20.9	62.8





#77

Bromobenzene

Concen: 19.920 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

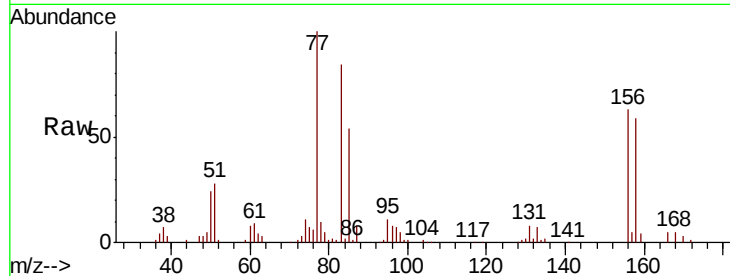
ClientSampleId :

VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	158.7	79.0	237.2
158	95.9	48.9	146.6

Manual Integrations
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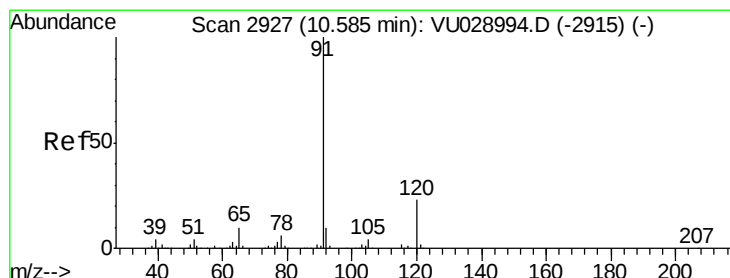
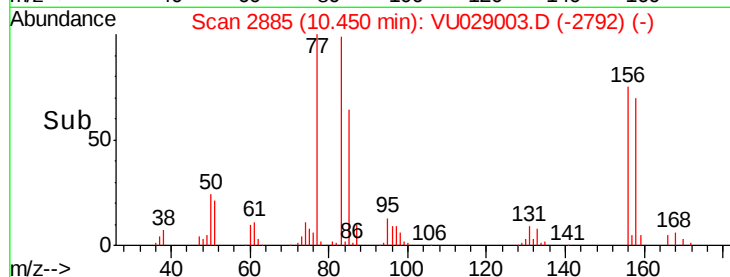
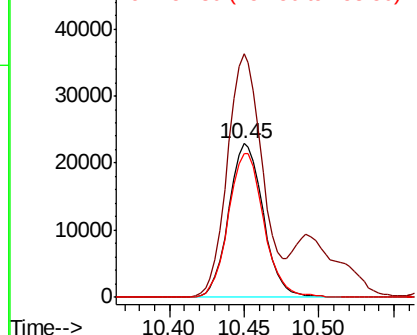


Abundance

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: 19.751 ug/l

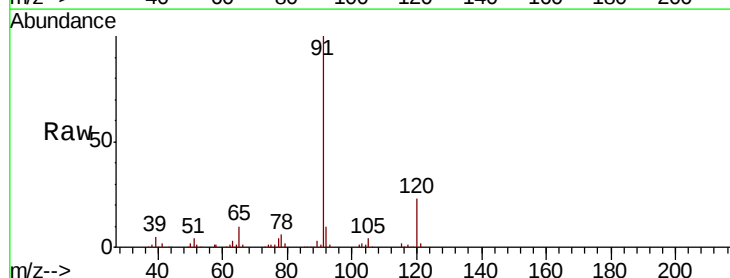
RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

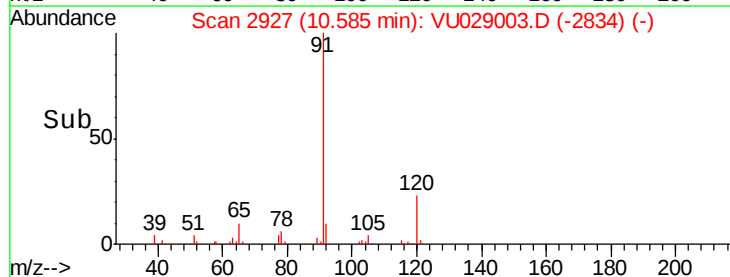
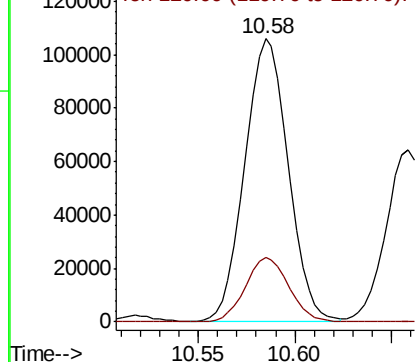
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9



Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





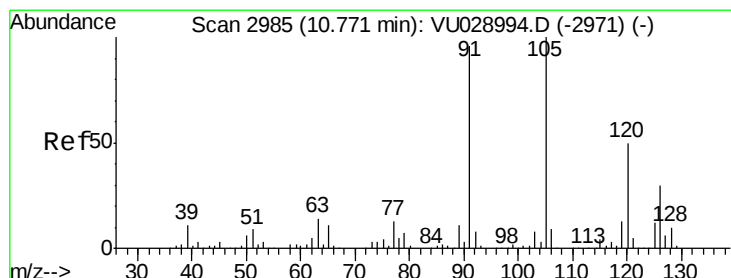
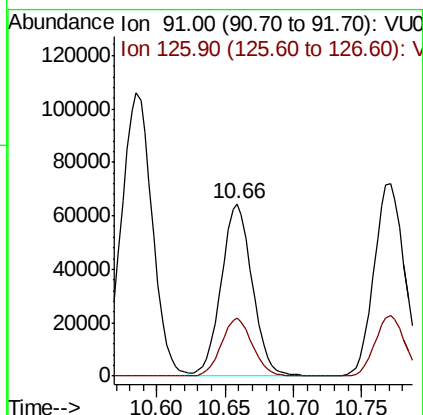
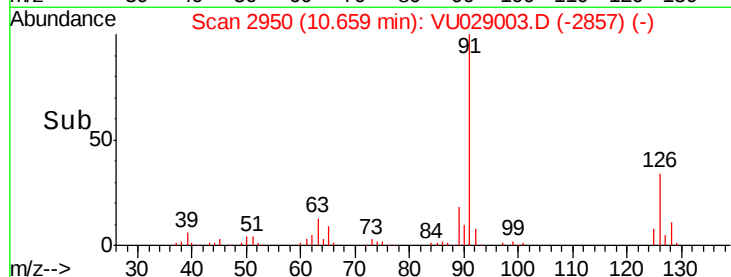
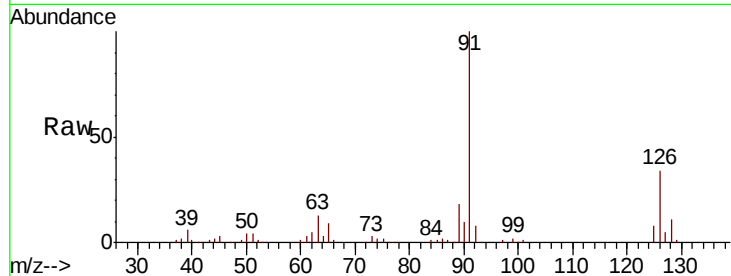
#79
 2-Chlorotoluene
 Concen: 20.046 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion: 91 Resp: 102025
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.8 50.4

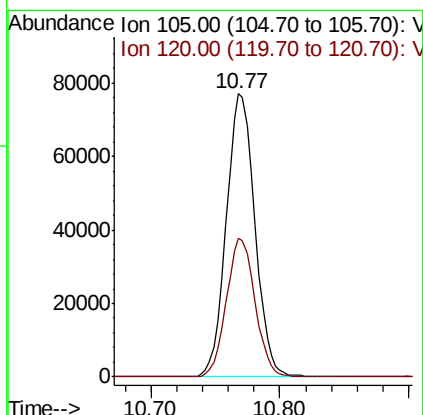
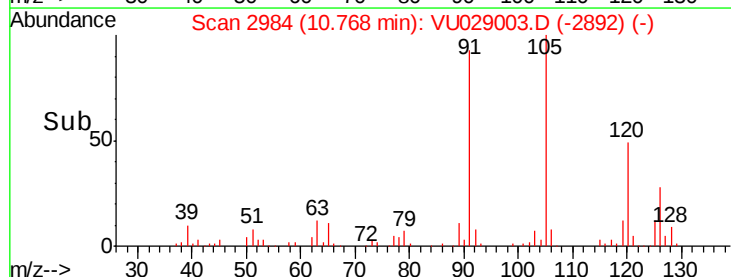
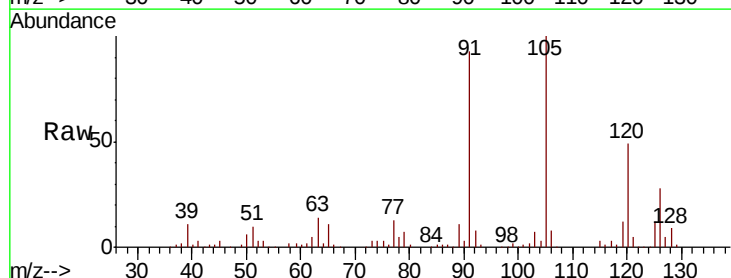
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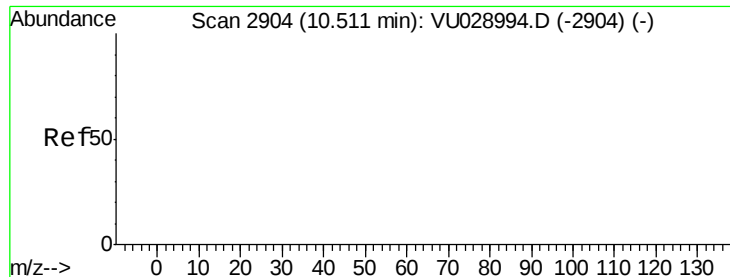
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.908 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 105 Resp: 118357
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.456 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

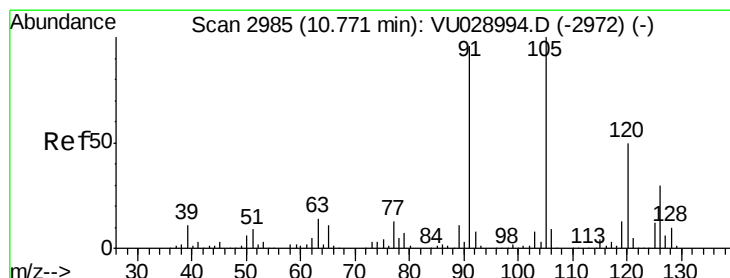
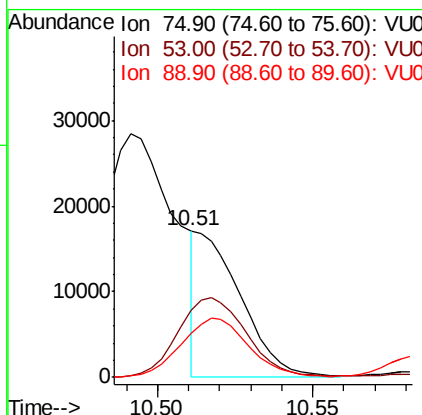
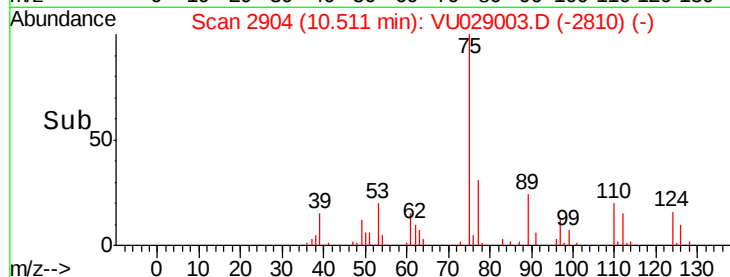
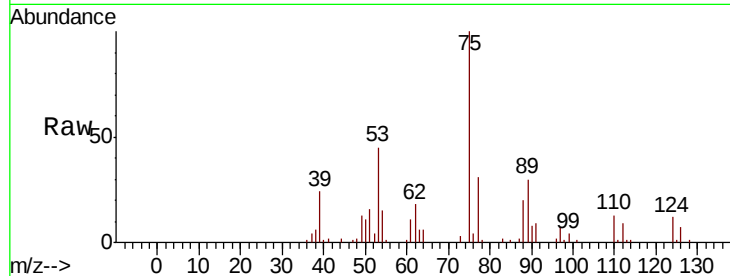
Instrument :
MSVOA_U

ClientSampleId :
VU0103WBS01

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 19.346 ug/l

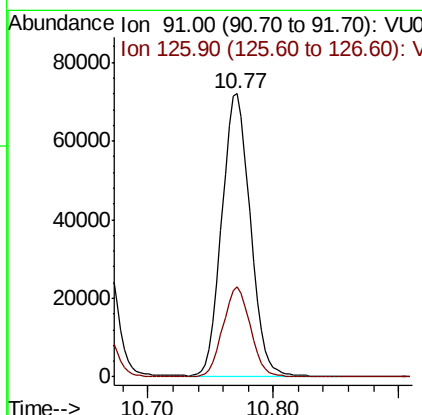
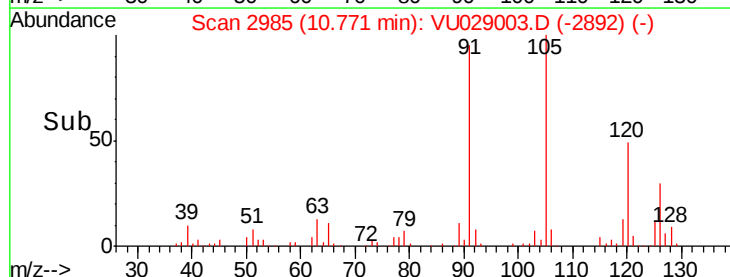
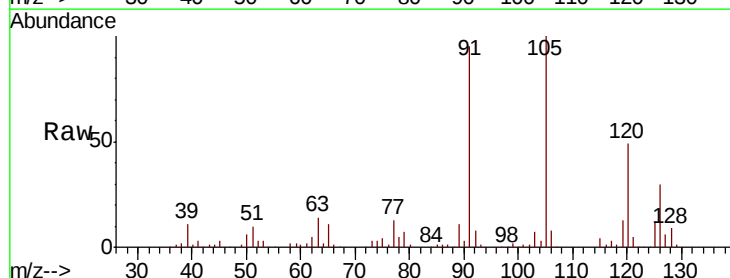
RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
126	30.8	15.5	46.5





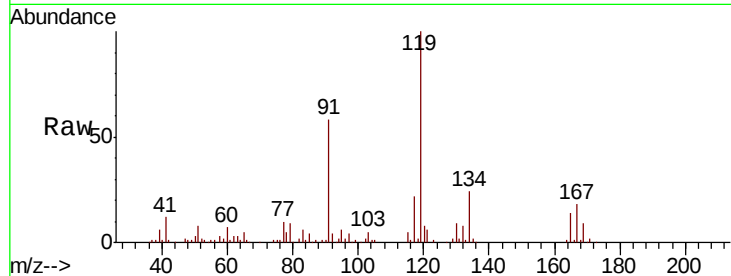
#83
 tert-Butylbenzene
 Concen: 19.744 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	115696		
91	56.6	28.2	84.6	
134	23.5	11.3	33.8	

Manual Integrations
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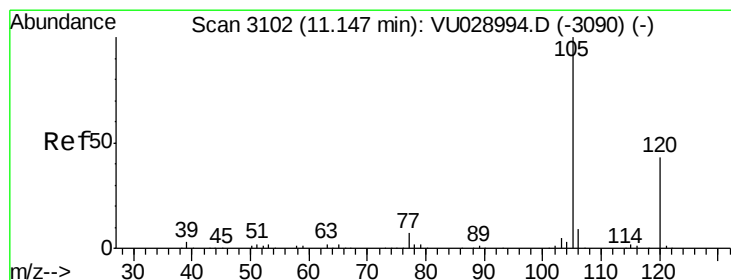
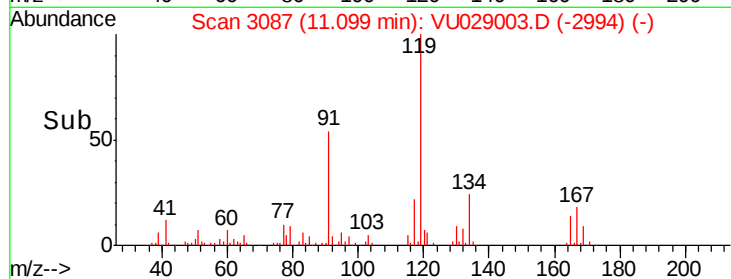
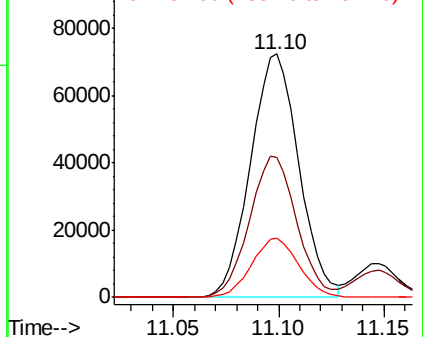


Abundance

Ion 119.00 (118.70 to 119.70): V

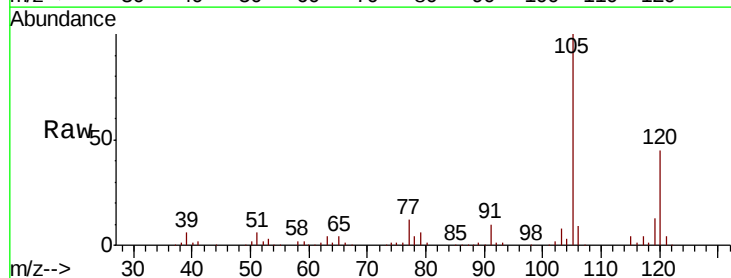
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 20.255 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

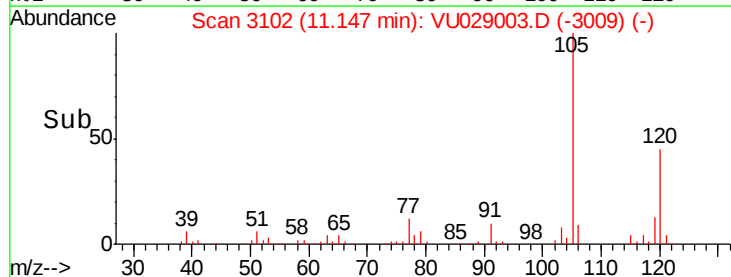
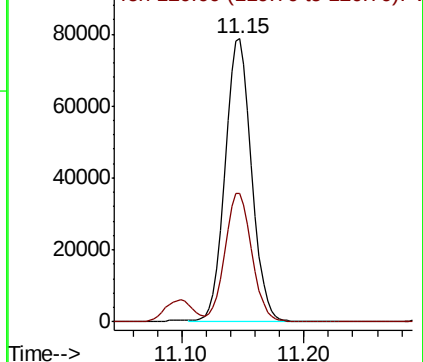
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	120229		
120	46.1	23.1	69.3	

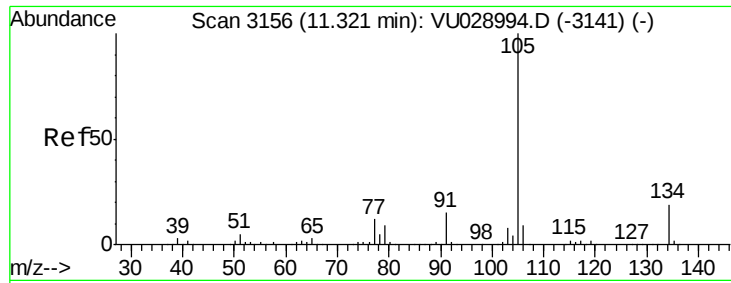


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





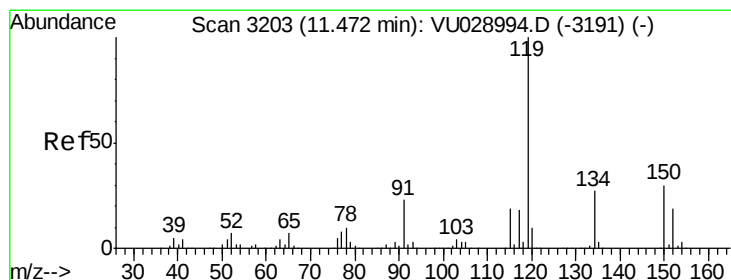
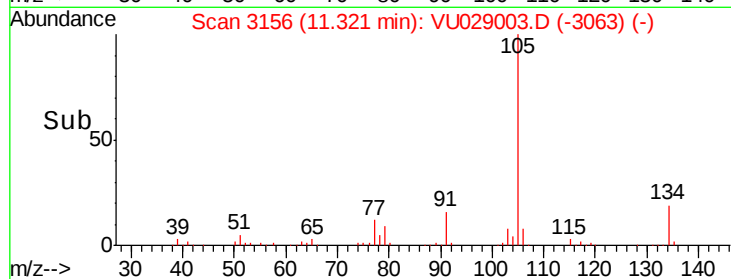
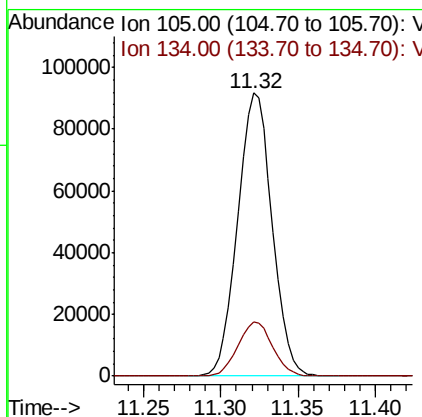
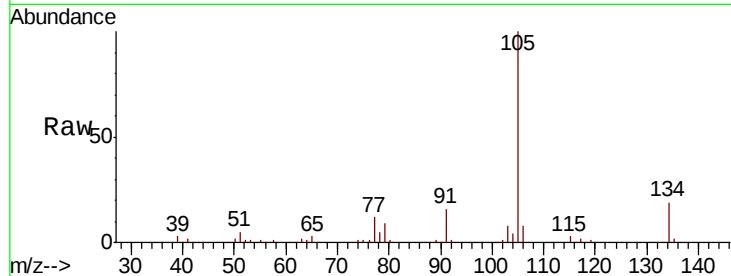
#85
 sec-Butylbenzene
 Concen: 20.014 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion:105 Resp: 141835
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1

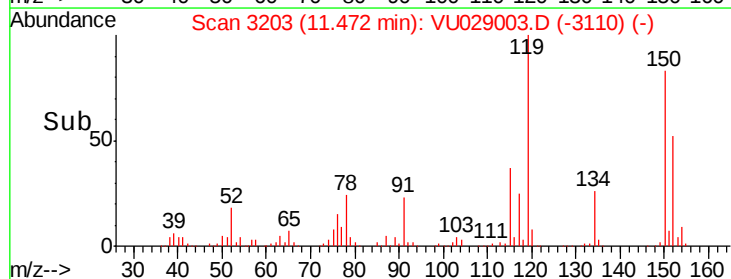
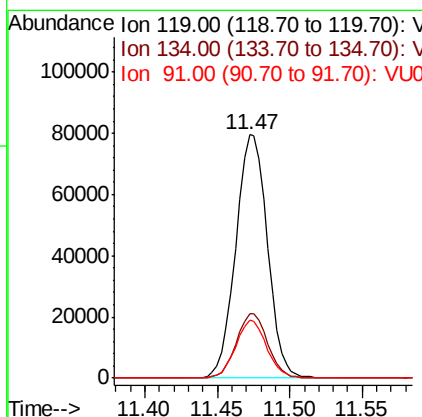
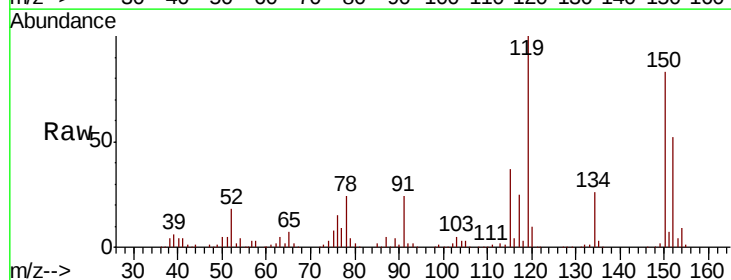
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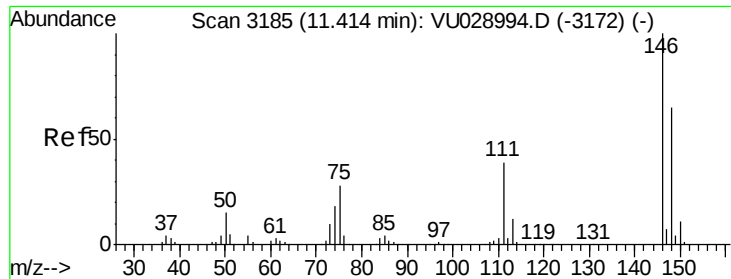
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#86
 p-Isopropyltoluene
 Concen: 19.941 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion:119 Resp: 120423
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.5 40.4
 91 23.2 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.501 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

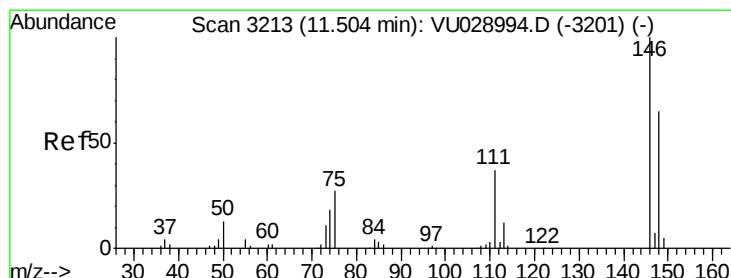
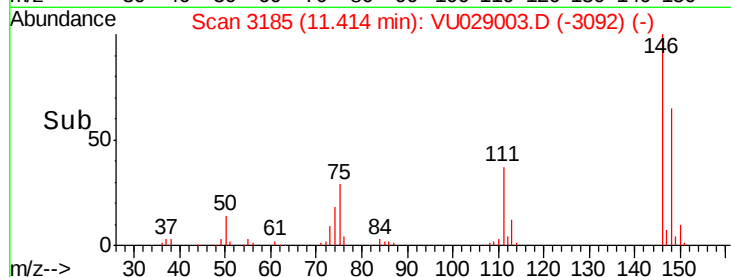
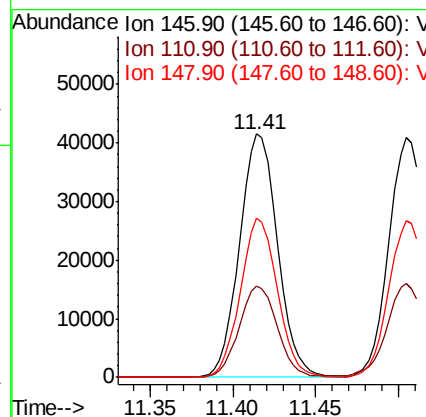
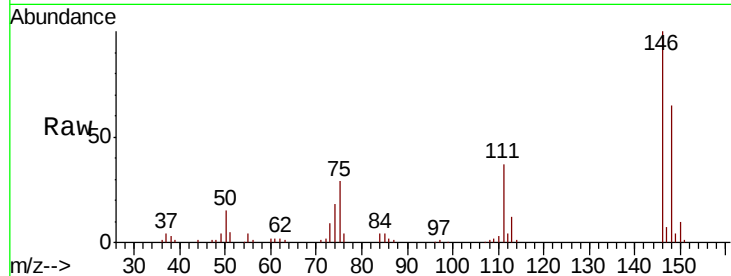
ClientSampleId :

VU0103WBS01

Tgt Ion:	146	Resp:	66365
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.3	57.8
148	63.6	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 18.612 ug/l

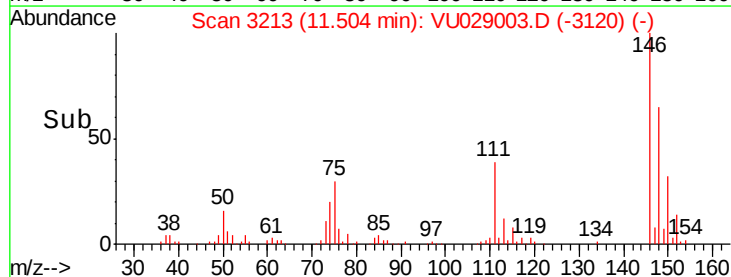
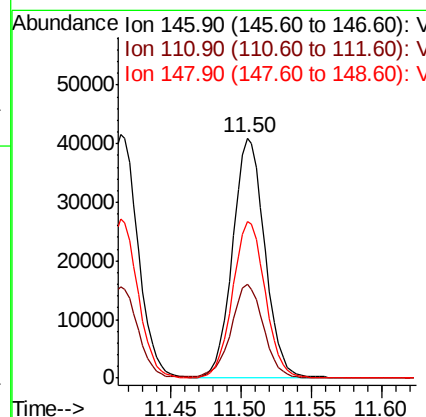
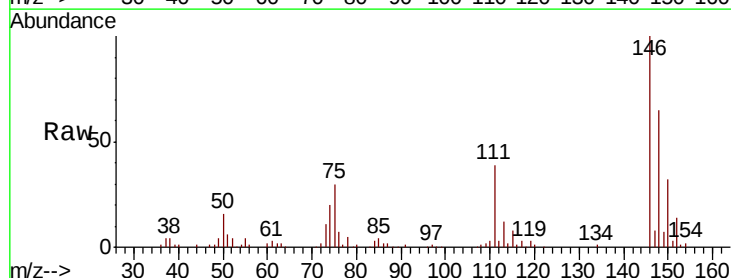
RT: 11.50 min Scan# 3213

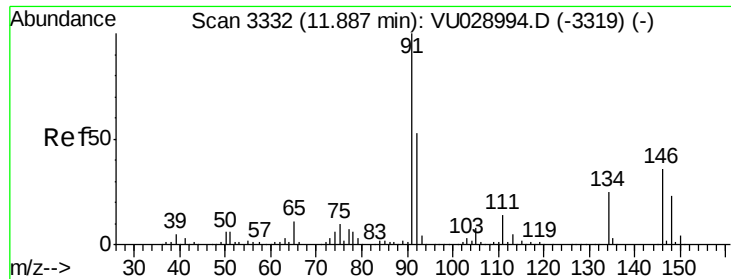
Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Tgt Ion:	146	Resp:	65380
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.1	57.3
148	66.0	32.6	98.0





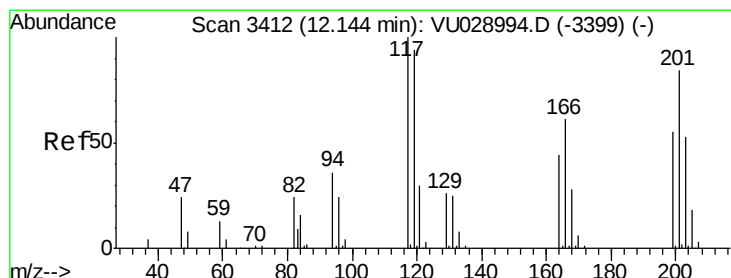
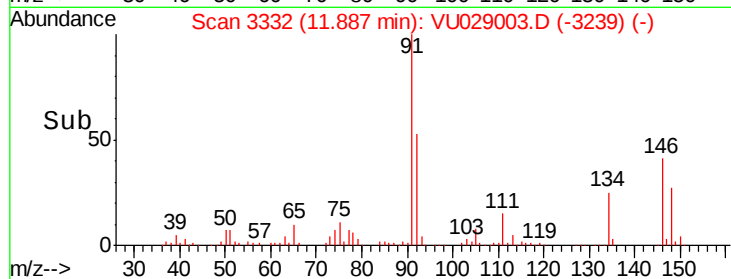
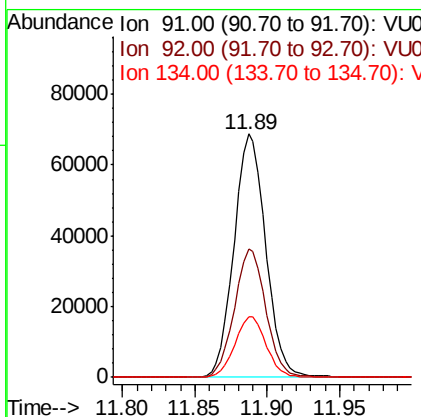
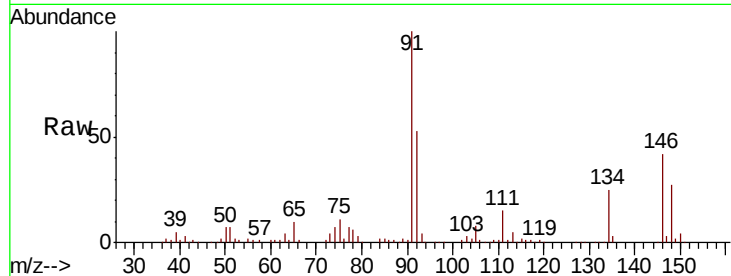
#89
n-Butylbenzene
Concen: 19.395 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion: 91 Resp: 104538
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.5
134 24.5 12.6 37.6

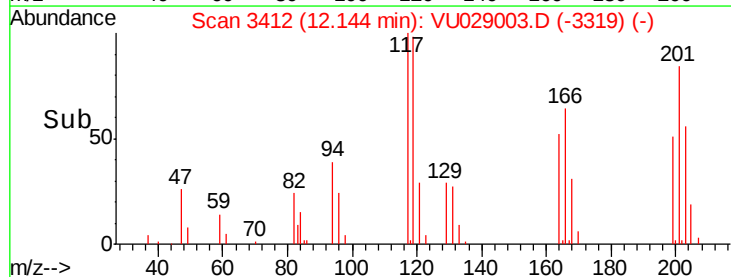
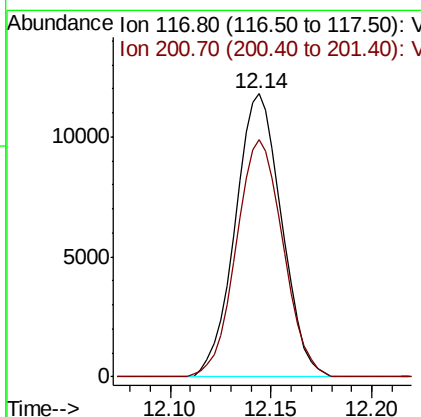
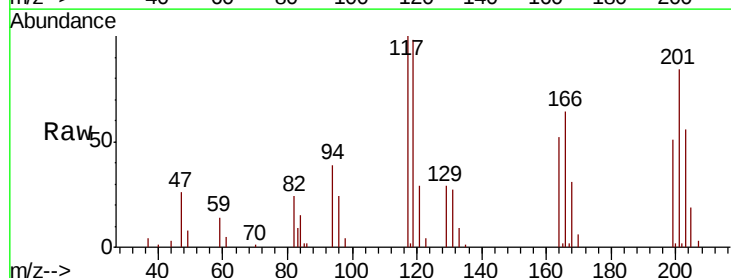
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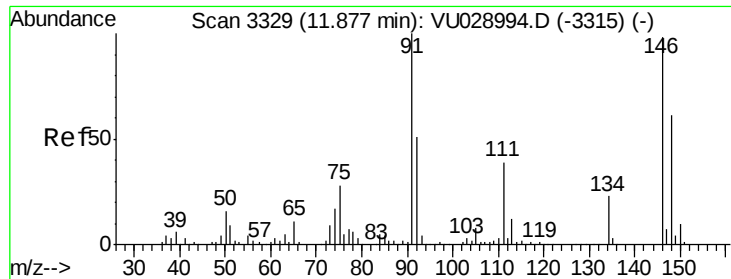
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#90
Hexachloroethane
Concen: 18.701 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 117 Resp: 18999
Ion Ratio Lower Upper
117 100
201 84.7 42.4 127.3





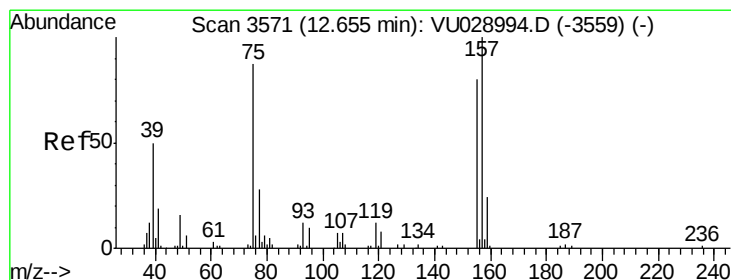
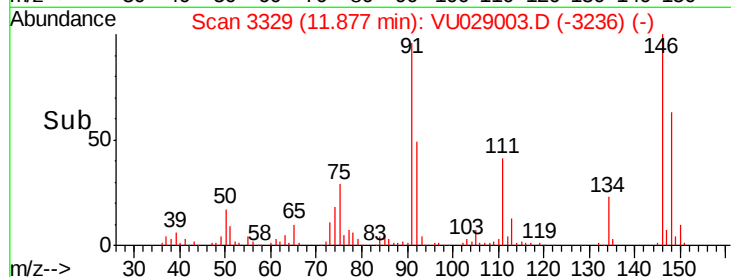
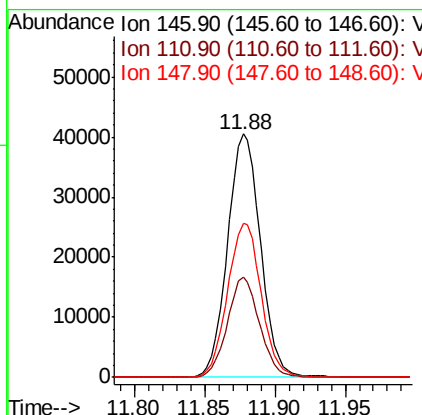
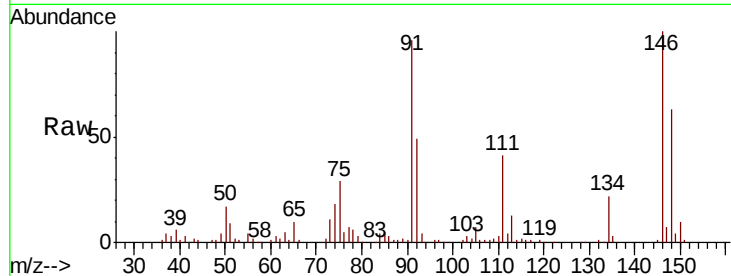
#91
 1,2-Dichlorobenzene
 Concen: 19.349 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.4	31.6	94.8

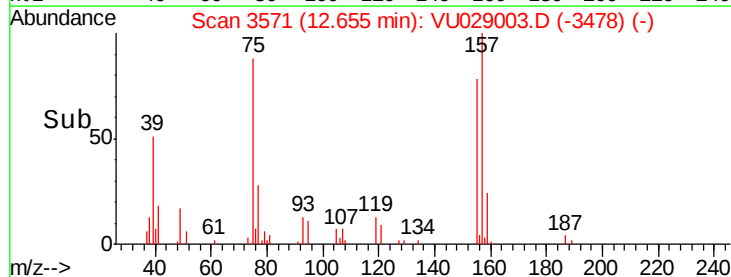
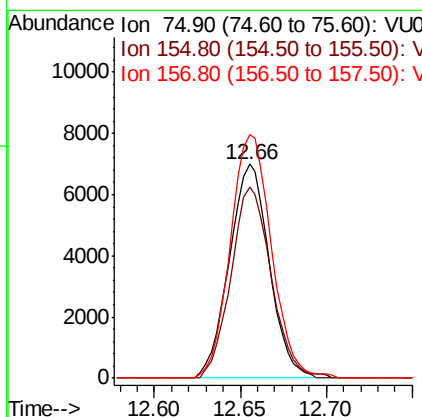
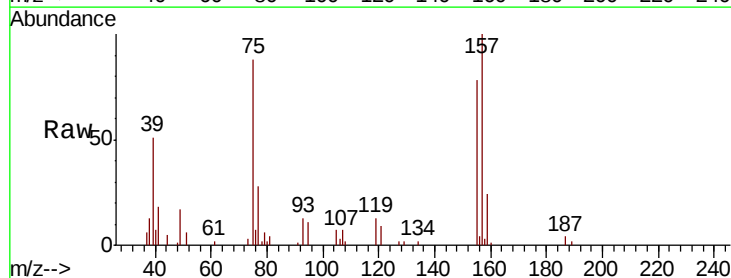
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.800 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	46.3	138.8
157	116.5	57.4	172.0





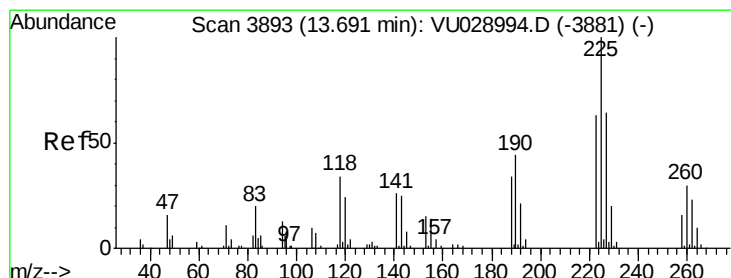
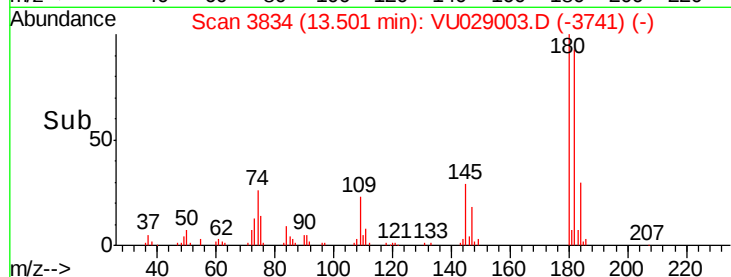
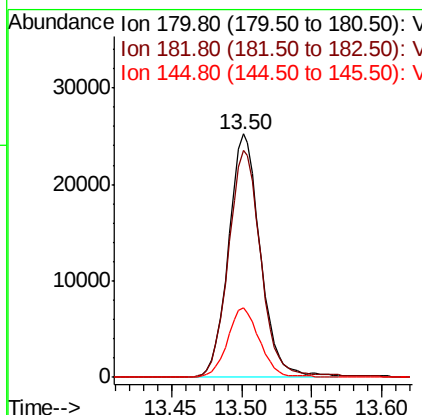
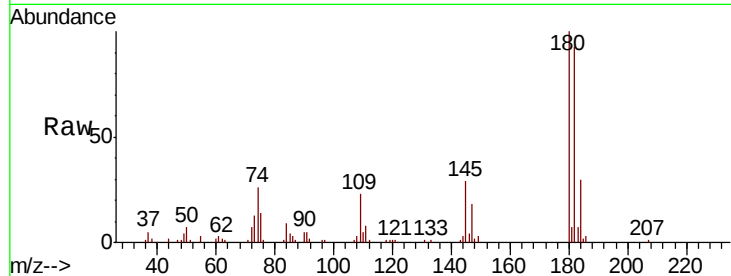
#93
 1,2,4-Trichlorobenzene
 Concen: 18.255 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	39942		
182	94.2	47.5	142.6	
145	28.7	14.0	42.0	

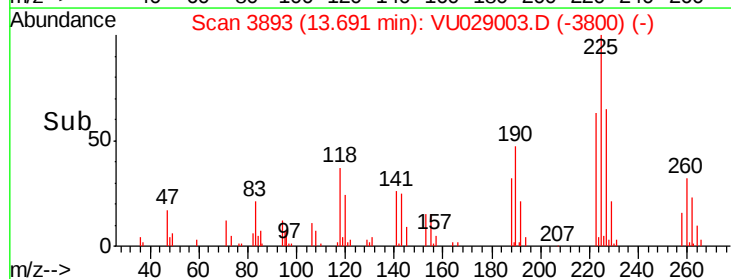
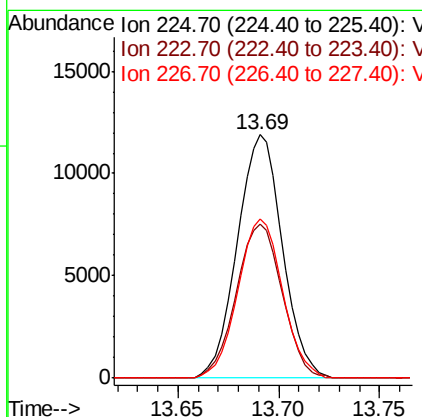
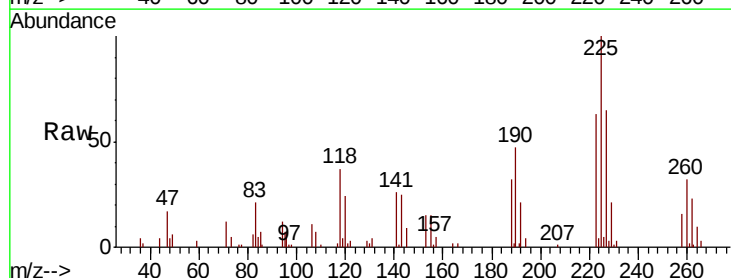
Manual Integrations
 APPROVED

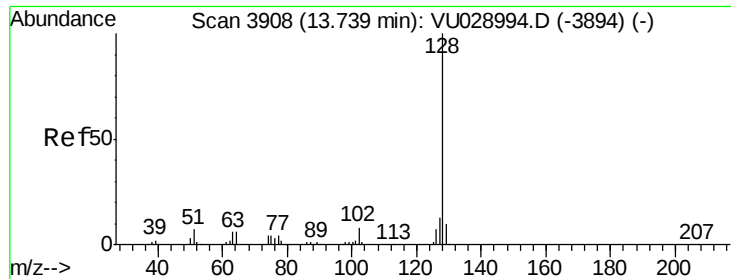
MMDadoda
 1/4/2019 9:51:20 AM



#94
 Hexachlorobutadiene
 Concen: 18.613 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18628		
223	64.3	31.4	94.0	
227	64.7	31.9	95.5	





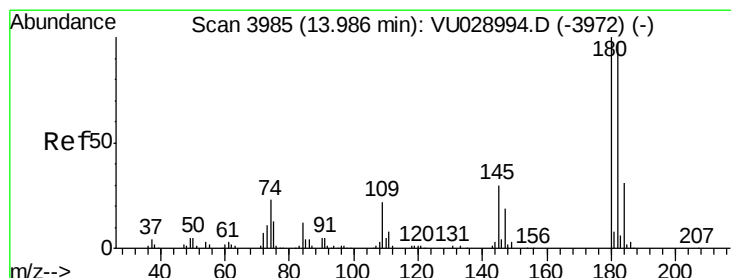
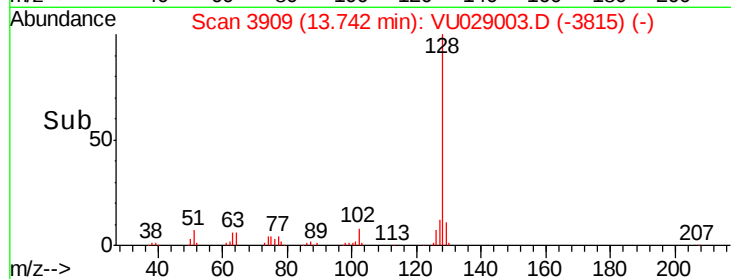
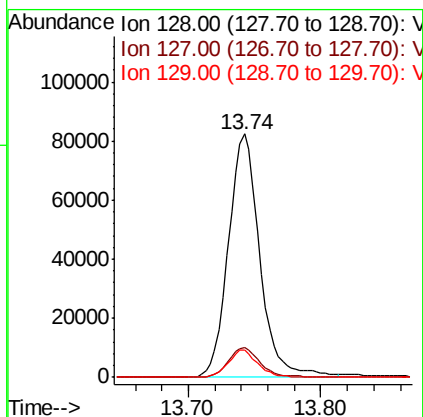
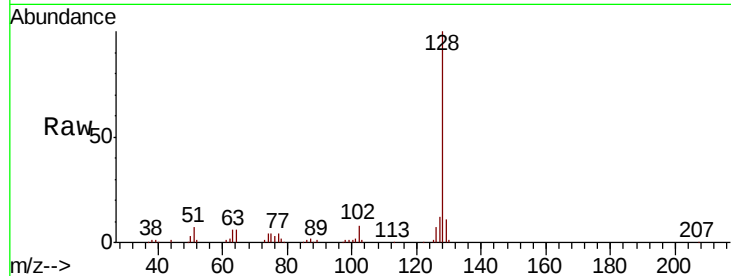
#95
Naphthalene
Concen: 18.274 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/4/2019 9:51:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.856 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.3
145	30.9	14.8	44.4

