

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045925.D
 Acq On : 22 Nov 2021 19:24
 Operator : SY/MD
 Sample : M4770-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 05:18:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

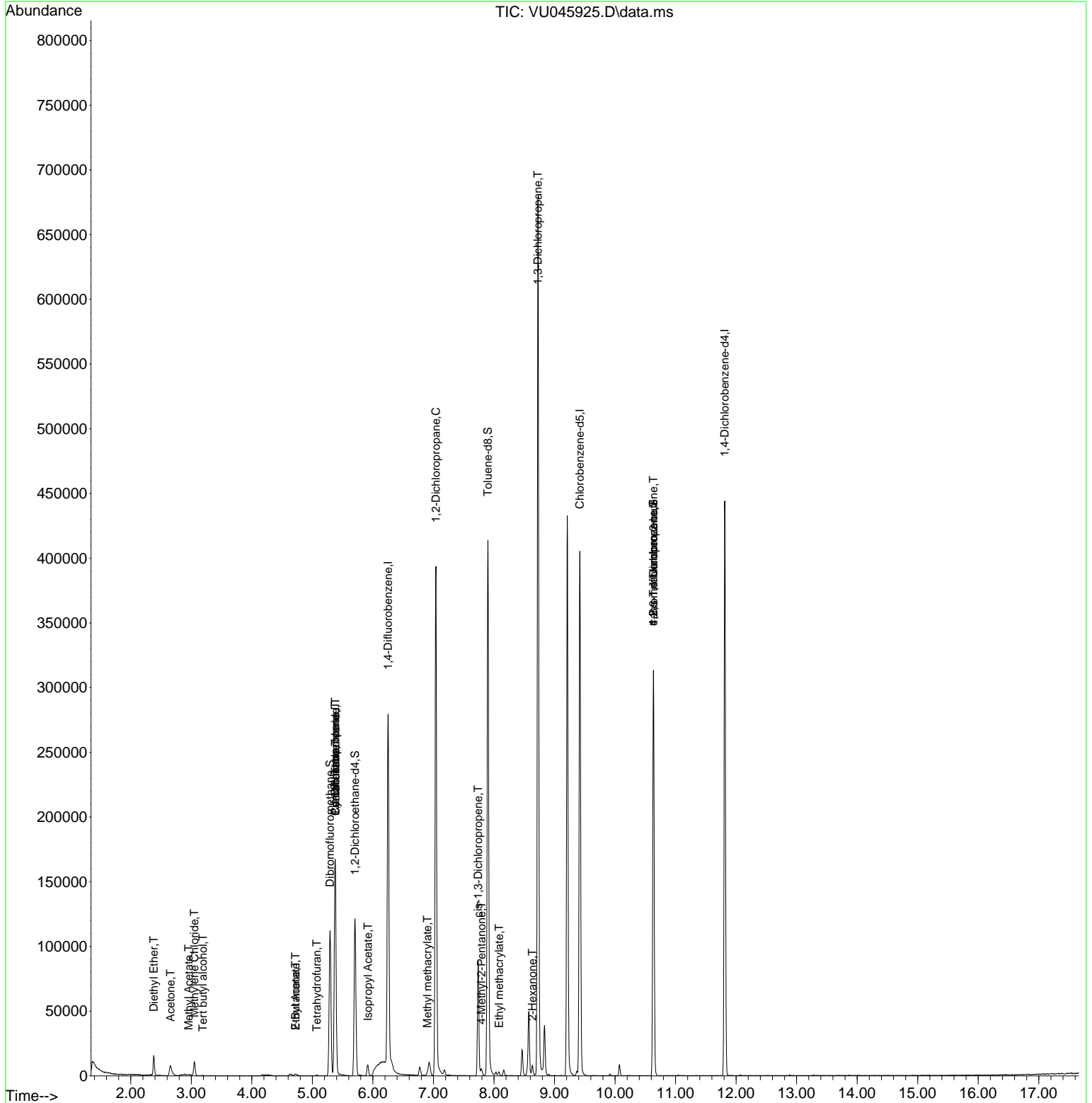
Internal Standards						
1) Pentafluorobenzene	5.378	168	113631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	214546	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	229368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	112020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	90092	52.941	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.880%
35) Dibromofluoromethane	5.292	113	71421	49.861	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.720%
50) Toluene-d8	7.899	98	283932	53.307	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	106.620%
62) 4-Bromofluorobenzene	10.635	95	107905	50.521	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.040%
Target Compounds						
						Qvalue
8) Diethyl Ether	2.379	74	5449	6.339	ug/l	96
11) Tert butyl alcohol	3.189	59	121	0.359	ug/l #	72
16) Acetone	2.655	43	15314	17.678	ug/l #	87
18) Methyl Acetate	2.957	43	1189	0.403	ug/l #	50
20) Methylene Chloride	3.051	84	5239	3.481	ug/l	95
25) 2-Butanone	4.723	43	2818	2.345	ug/l	99
29) Tetrahydrofuran	5.073	42	568	0.773	ug/l #	42
31) Cyclohexane	5.378	56	2497	1.006	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	9771	4.671	ug/l #	49
37) Ethyl Acetate	4.723	43	2818	1.173	ug/l #	67
38) Carbon Tetrachloride	5.378	117	12380	5.870	ug/l #	15
43) Isopropyl Acetate	5.919	43	9127	2.483	ug/l	99
45) 1,2-Dichloropropane	7.041	63	480	0.293	ug/l #	43
48) Methyl methacrylate	6.899	41	3432	2.029	ug/l #	13
51) 4-Methyl-2-Pentanone	7.793	43	3820	1.575	ug/l #	85
54) cis-1,3-Dichloropropene	7.738	75	16216	6.166	ug/l #	63
56) Ethyl methacrylate	8.086	69	1977	3.091	ug/l #	76
57) 1,3-Dichloropropane	8.726	76	6822	2.410	ug/l #	42
59) 2-Hexanone	8.636	43	5714	10.162	ug/l #	21
76) 1,2,3-Trichloropropane	10.635	75	56966	16.769	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	56966	54.639	ug/l #	12

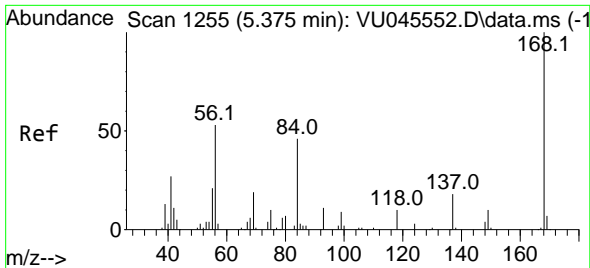
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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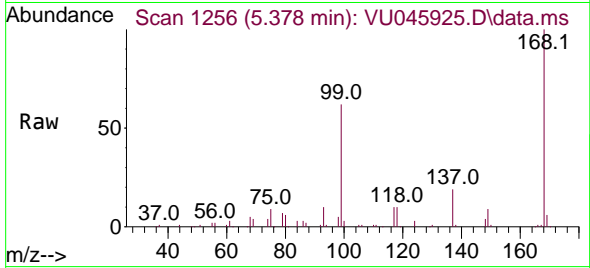
Quant Time: Nov 23 05:18:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
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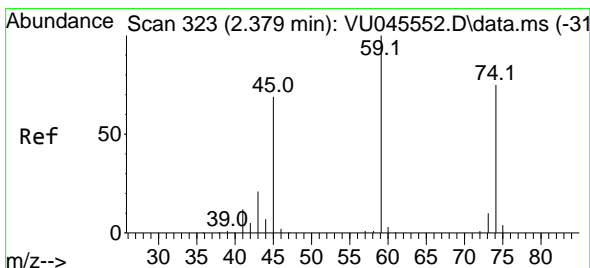
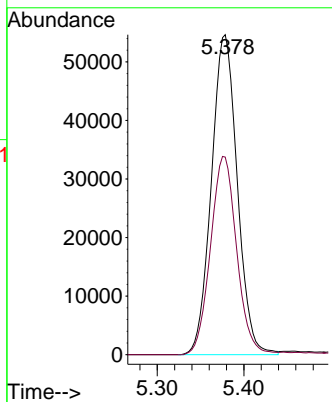
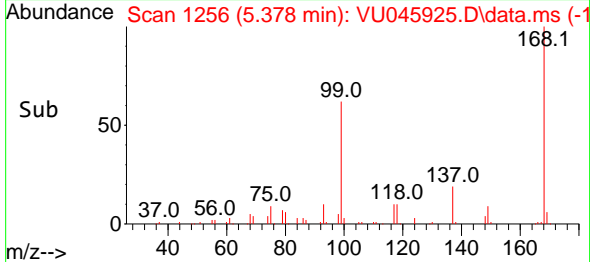


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.378 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

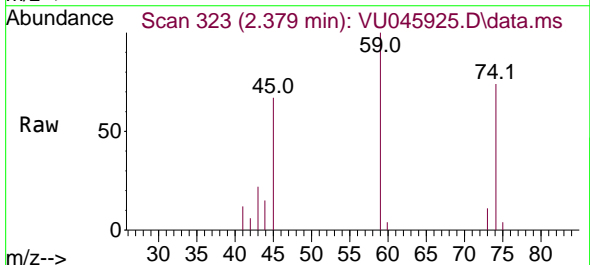
Instrument :
 MSVOA_U
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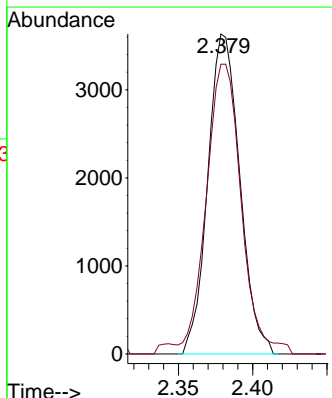
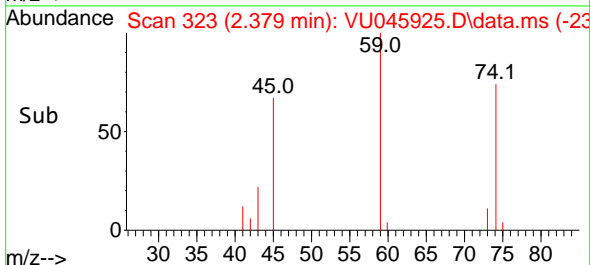
Tgt Ion:168 Resp: 113631
 Ion Ratio Lower Upper
 168 100
 99 61.7 51.0 76.6

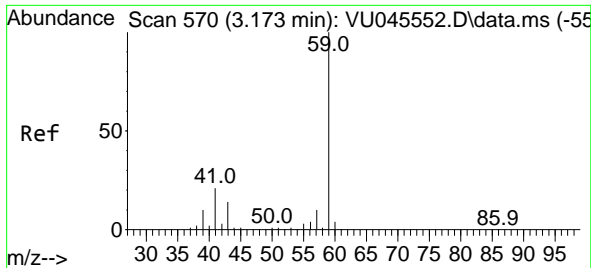


#8
 Diethyl Ether
 Concen: 6.339 ug/l
 RT: 2.379 min Scan# 323
 Delta R.T. -0.000 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24



Tgt Ion: 74 Resp: 5449
 Ion Ratio Lower Upper
 74 100
 45 98.7 47.3 141.8

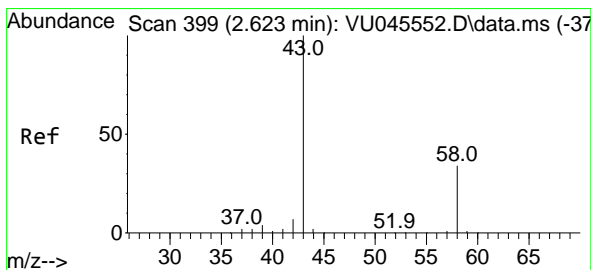
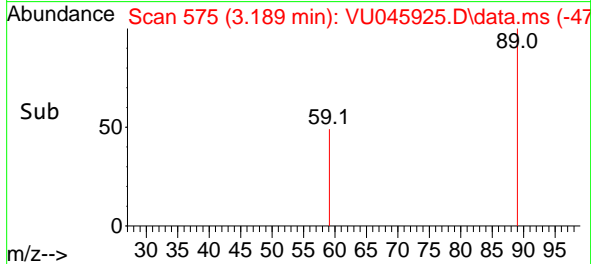
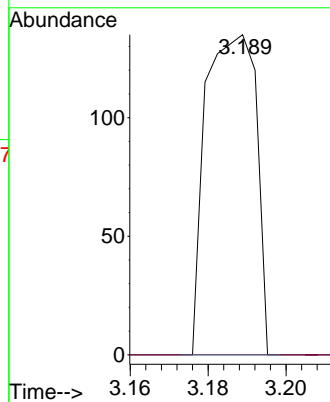
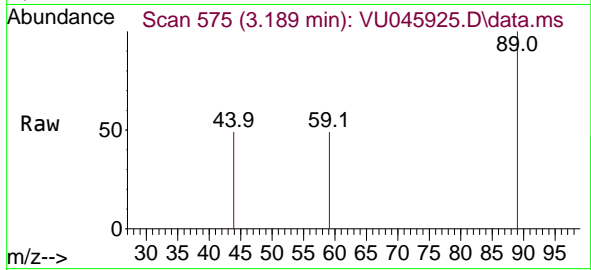




#11
 Tert butyl alcohol
 Concen: 0.359 ug/l
 RT: 3.189 min Scan# 51
 Delta R.T. 0.016 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

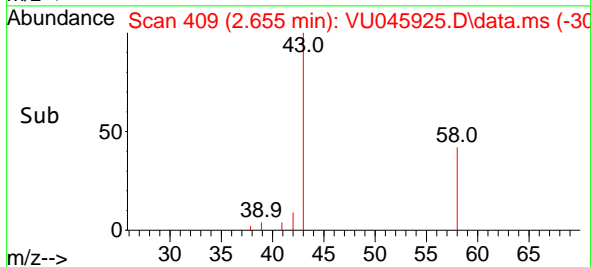
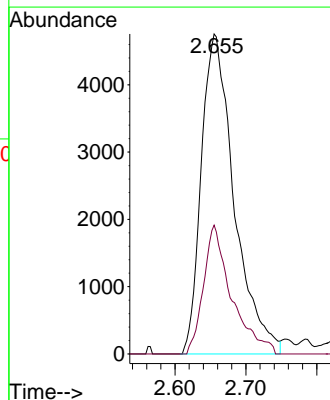
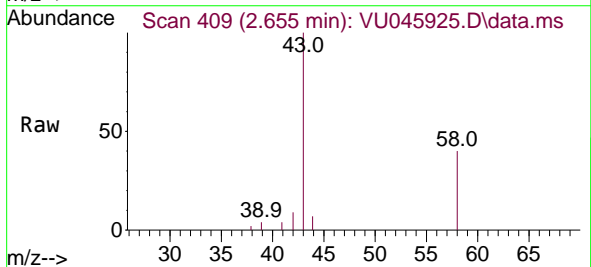
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 MSVOA_U
 ClientSampleId :

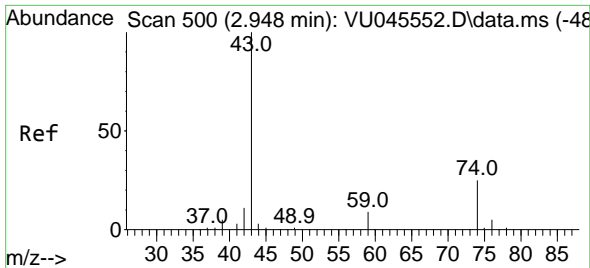
Tgt Ion: 59 Resp: 121
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



#16
 Acetone
 Concen: 17.678 ug/l
 RT: 2.655 min Scan# 409
 Delta R.T. 0.032 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

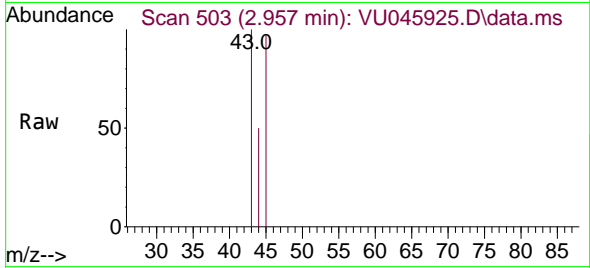
Tgt Ion: 43 Resp: 15314
 Ion Ratio Lower Upper
 43 100
 58 40.2 26.2 39.2#



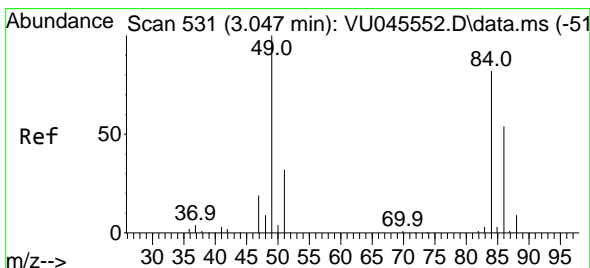
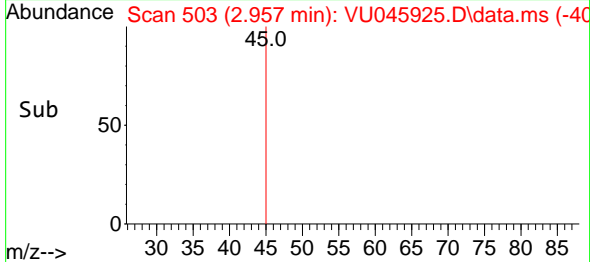
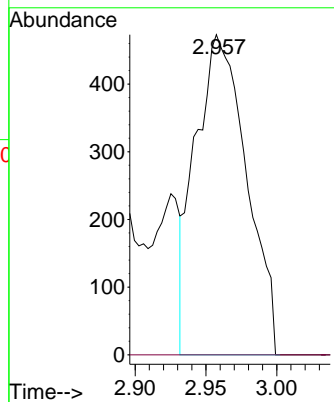


#18
 Methyl Acetate
 Concen: 0.403 ug/l
 RT: 2.957 min Scan# 500
 Delta R.T. 0.010 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Instrument :
 MSVOA_U
 ClientSampleId :

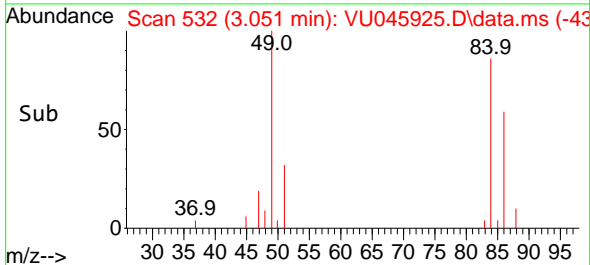
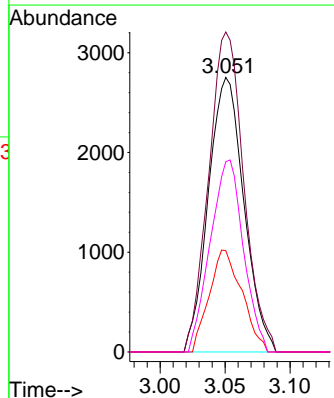
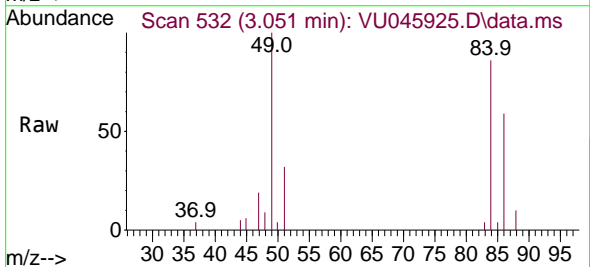


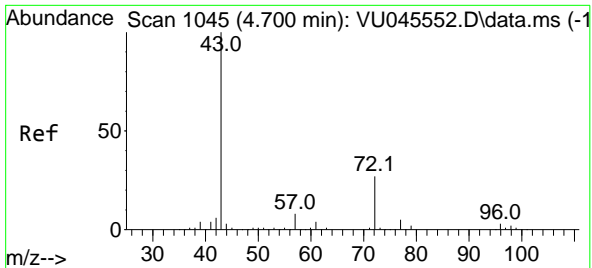
Tgt Ion: 43 Resp: 1189
 Ion Ratio Lower Upper
 43 100
 74 0.0 20.2 30.2#



#20
 Methylene Chloride
 Concen: 3.481 ug/l
 RT: 3.051 min Scan# 532
 Delta R.T. 0.003 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Tgt Ion: 84 Resp: 5239
 Ion Ratio Lower Upper
 84 100
 49 116.6 96.4 144.6
 51 36.9 30.5 45.7
 86 69.3 50.3 75.5

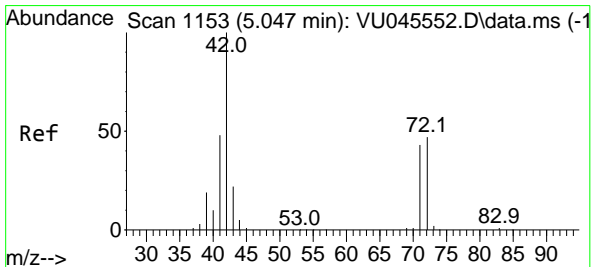
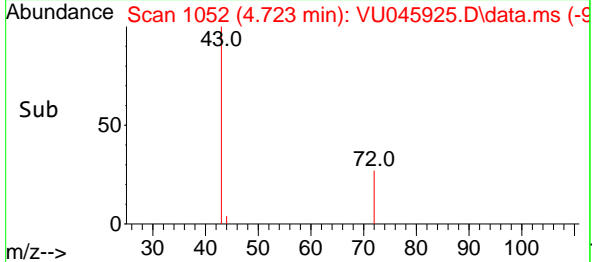
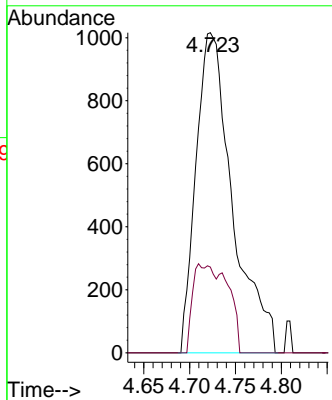
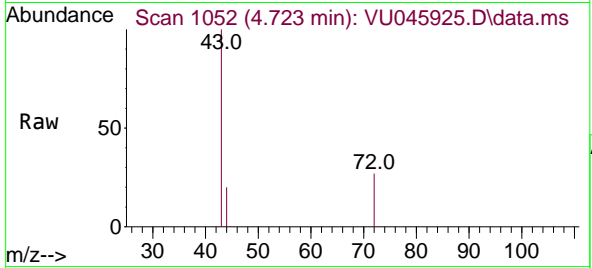




#25
 2-Butanone
 Concen: 2.345 ug/l
 RT: 4.723 min Scan# 1105
 Delta R.T. 0.022 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

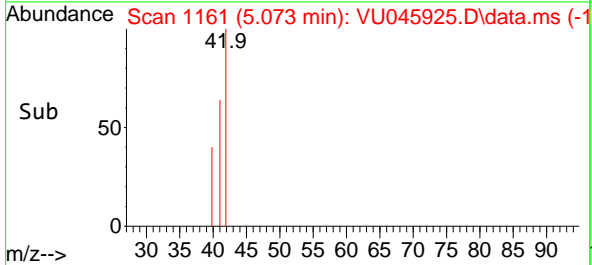
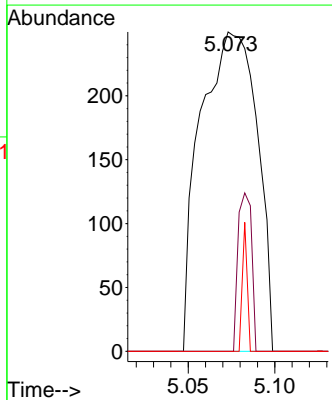
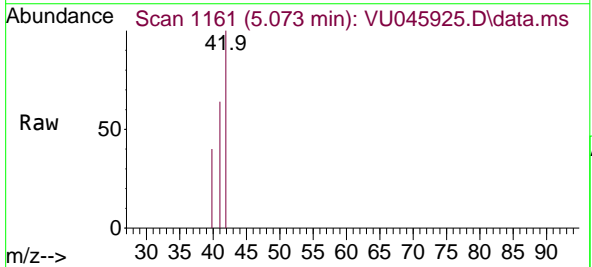
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 ClientSampleId :

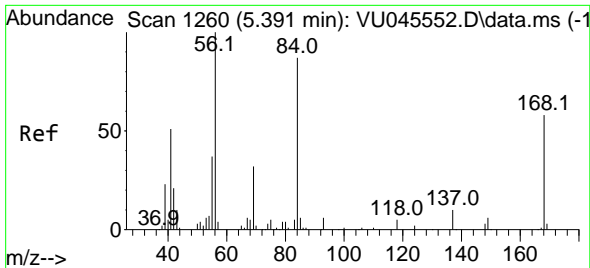
Tgt Ion: 43 Resp: 2818
 Ion Ratio Lower Upper
 43 100
 72 26.8 22.0 33.0



#29
 Tetrahydrofuran
 Concen: 0.773 ug/l
 RT: 5.073 min Scan# 1161
 Delta R.T. 0.026 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

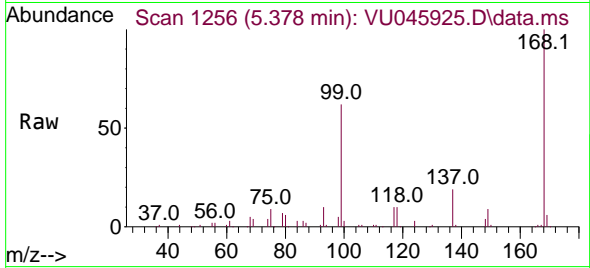
Tgt Ion: 42 Resp: 568
 Ion Ratio Lower Upper
 42 100
 72 11.8 38.2 57.4#
 71 3.3 35.4 53.2#



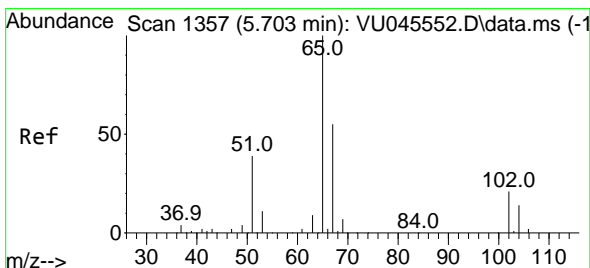
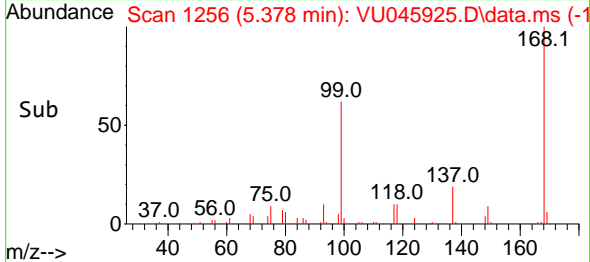
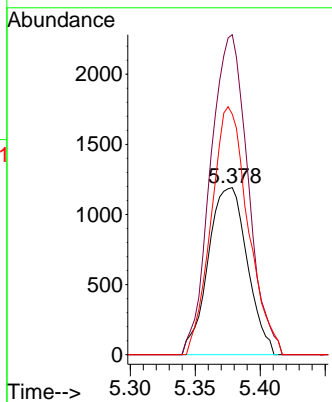


#31
 Cyclohexane
 Concen: 1.006 ug/l
 RT: 5.378 min Scan# 11
 Delta R.T. -0.013 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Instrument :
 MSVOA_U
 ClientSampleId :

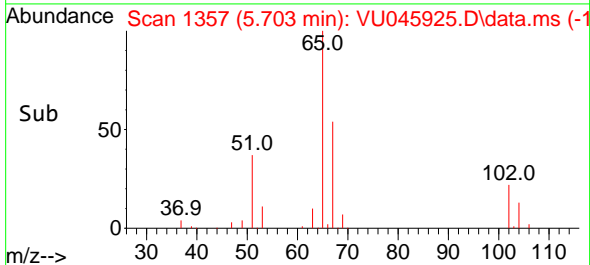
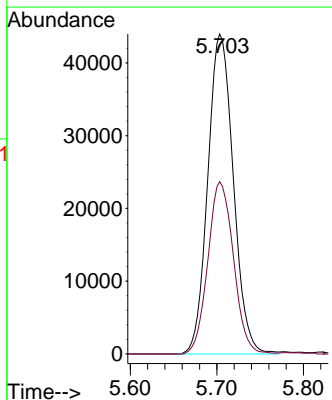
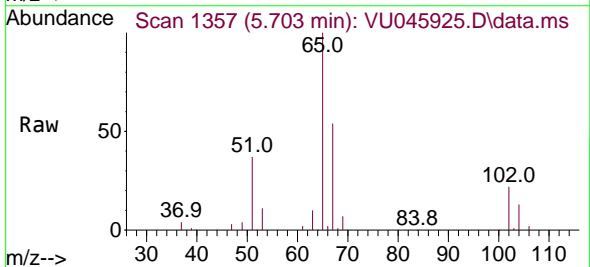


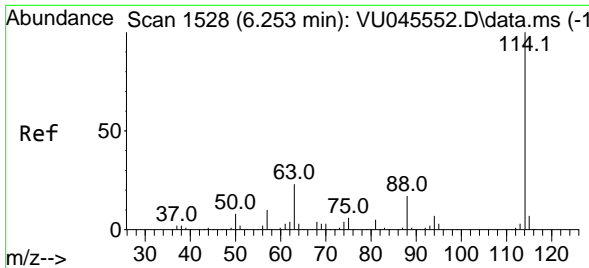
Tgt Ion: 56 Resp: 2497
 Ion Ratio Lower Upper
 56 100
 69 191.4 26.4 39.6#
 84 143.9 68.4 102.6#



#33
 1,2-Dichloroethane-d4
 Concen: 52.941 ug/l
 RT: 5.703 min Scan# 1357
 Delta R.T. -0.000 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

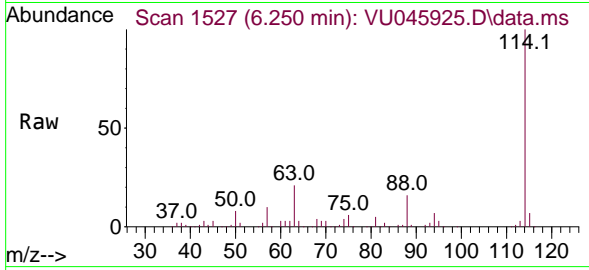
Tgt Ion: 65 Resp: 90092
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.8



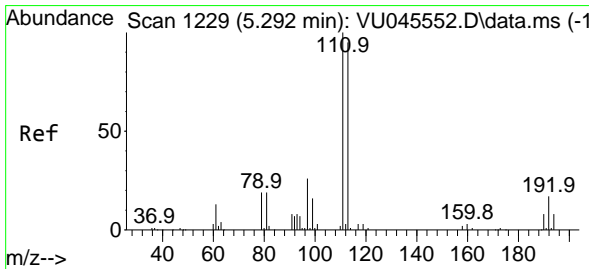
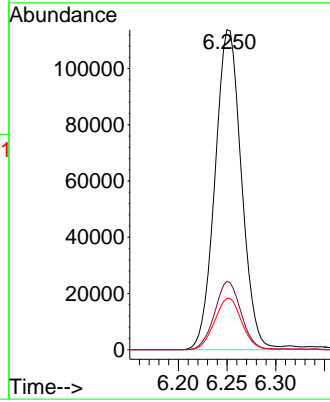
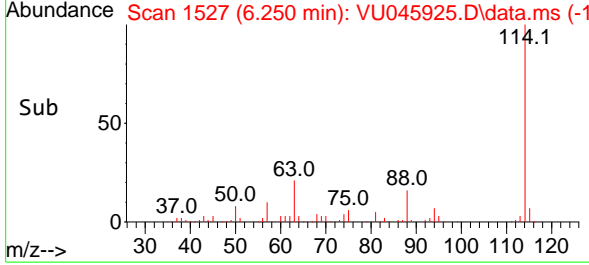


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.250 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

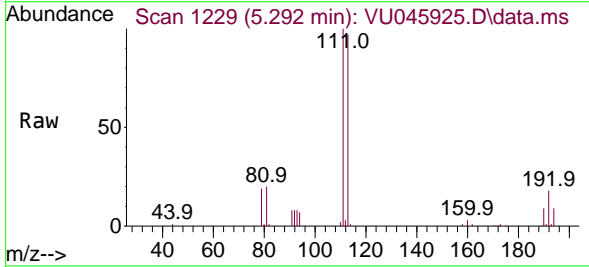
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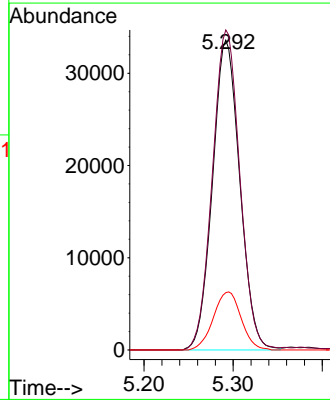
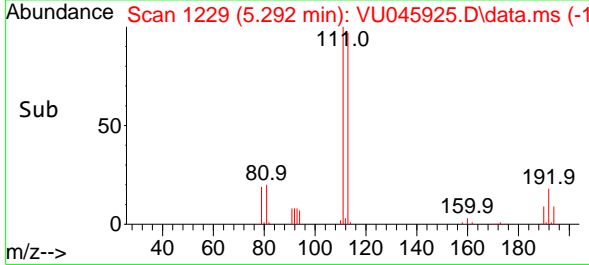
Tgt Ion:114 Resp: 214546
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 45.6
 88 16.0 0.0 33.8

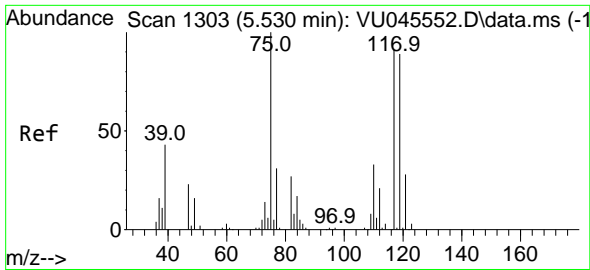


#35
 Dibromofluoromethane
 Concen: 49.861 ug/l
 RT: 5.292 min Scan# 1229
 Delta R.T. -0.000 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24



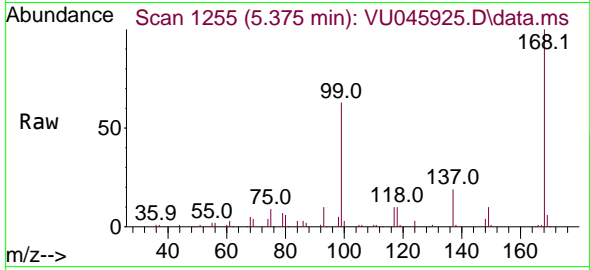
Tgt Ion:113 Resp: 71421
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.8 124.2
 192 19.1 14.8 22.2



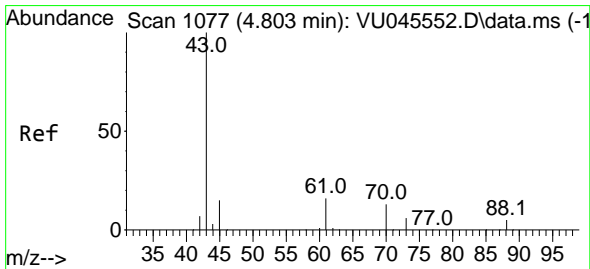
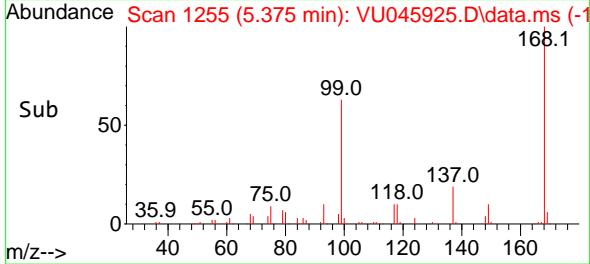
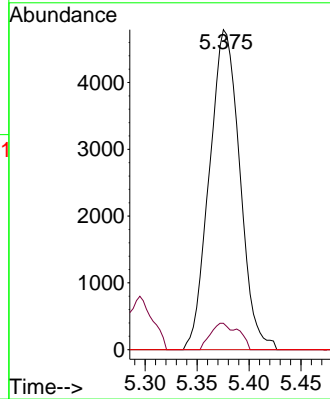


#36
 1,1-Dichloropropene
 Concen: 4.671 ug/l
 RT: 5.375 min Scan# 11
 Delta R.T. -0.154 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Instrument :
 MSVOA_U
 ClientSampleId :

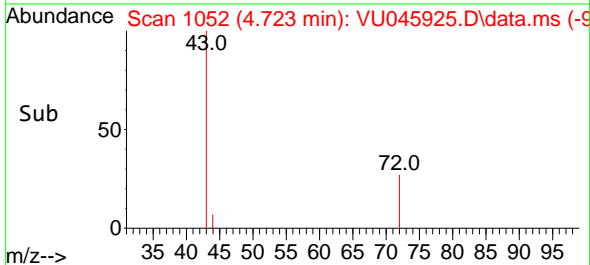
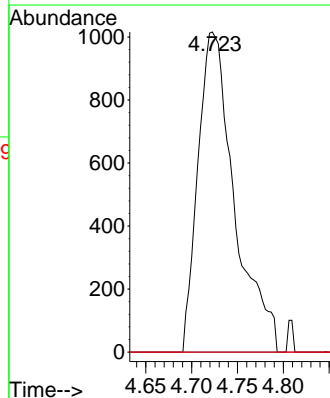
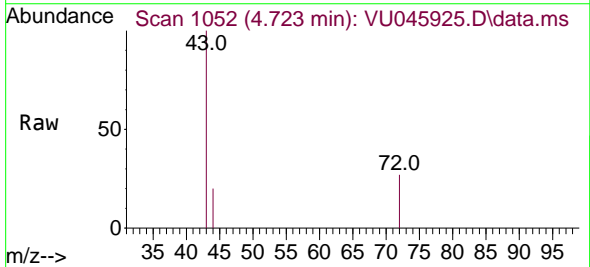


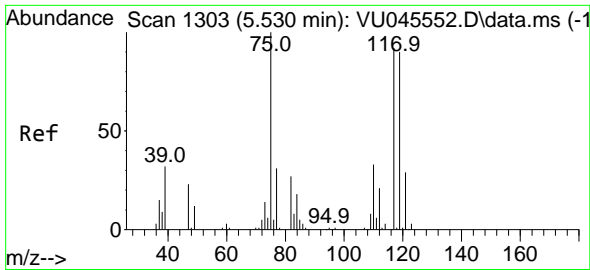
Tgt Ion: 75 Resp: 9771
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.7 50.0#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.173 ug/l
 RT: 4.723 min Scan# 1052
 Delta R.T. -0.080 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

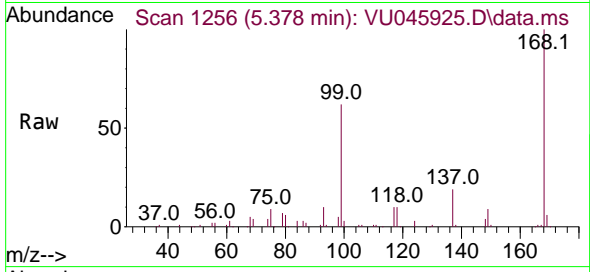
Tgt Ion: 43 Resp: 2818
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.6 17.4#
 70 0.0 9.1 13.7#



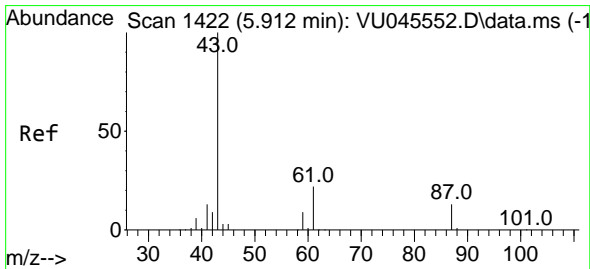
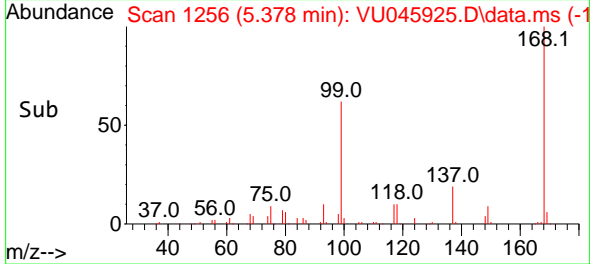
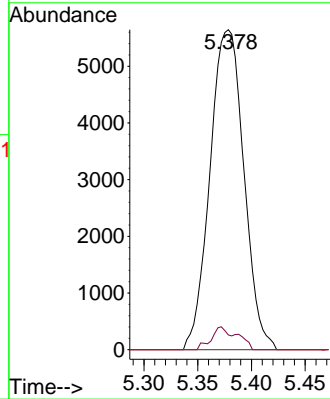


#38
 Carbon Tetrachloride
 Concen: 5.870 ug/l
 RT: 5.378 min Scan# 117
 Delta R.T. -0.151 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Instrument : MSVOA_U
 ClientSampleId :

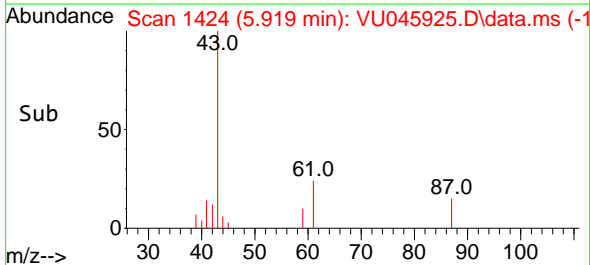
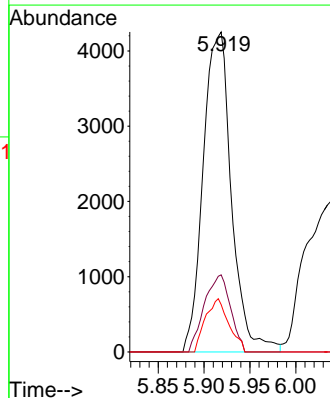
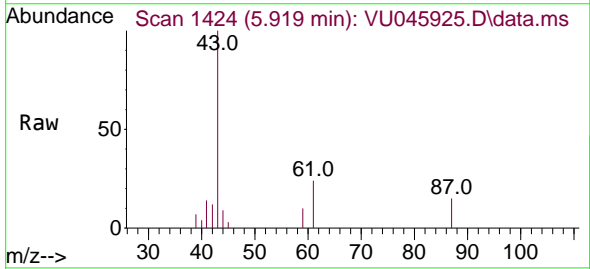


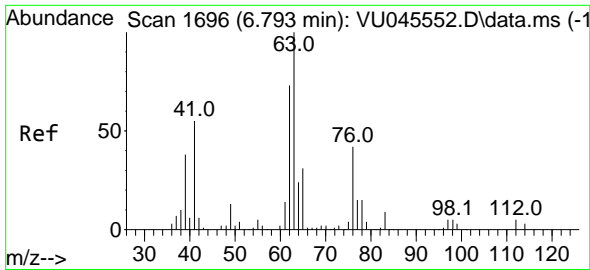
Tgt Ion:117 Resp: 12380
 Ion Ratio Lower Upper
 117 100
 119 4.6 77.4 116.0#
 121 0.0 24.8 37.2#



#43
 Isopropyl Acetate
 Concen: 2.483 ug/l
 RT: 5.919 min Scan# 1424
 Delta R.T. 0.006 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

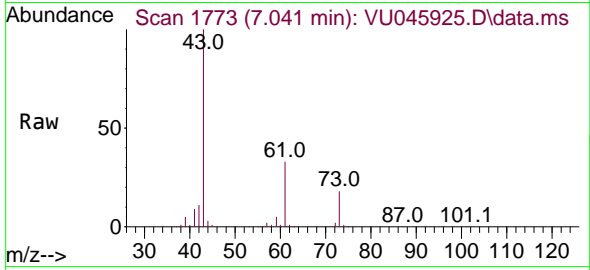
Tgt Ion: 43 Resp: 9127
 Ion Ratio Lower Upper
 43 100
 61 22.2 16.9 25.3
 87 13.7 11.0 16.4



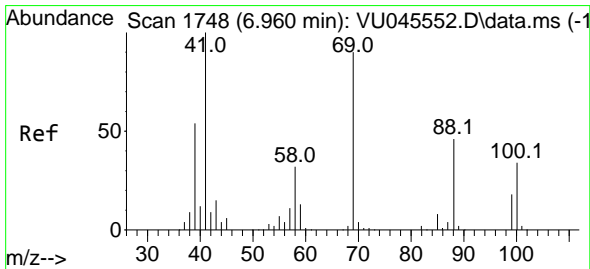
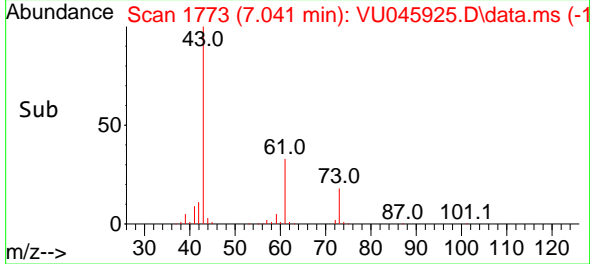
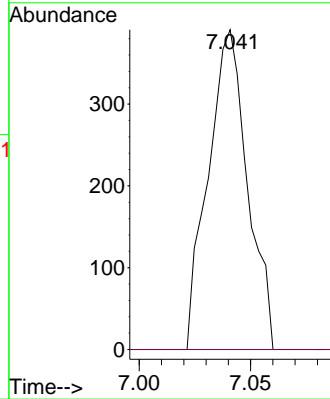


#45
 1,2-Dichloropropane
 Concen: 0.293 ug/l
 RT: 7.041 min Scan# 1773
 Delta R.T. 0.248 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Instrument :
 MSVOA_U
 ClientSampleId :

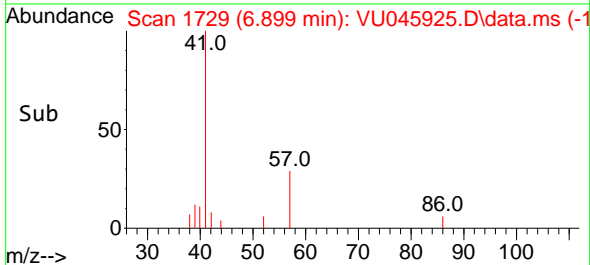
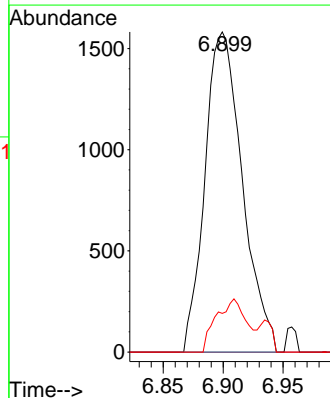
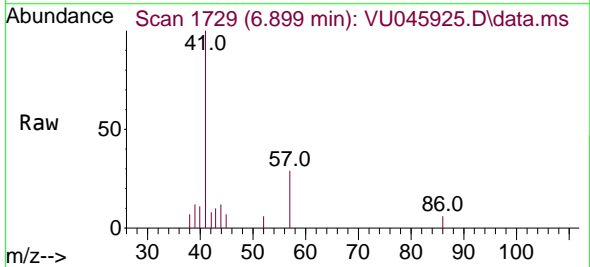


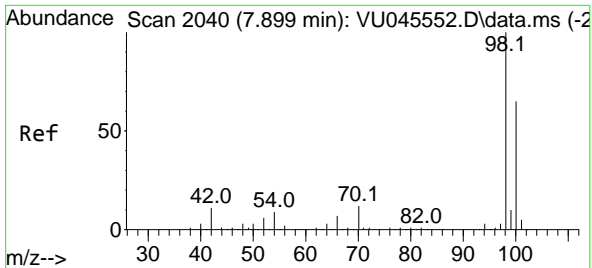
Tgt Ion: 63 Resp: 480
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.7 38.5#



#48
 Methyl methacrylate
 Concen: 2.029 ug/l
 RT: 6.899 min Scan# 1729
 Delta R.T. -0.061 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Tgt Ion: 41 Resp: 3432
 Ion Ratio Lower Upper
 41 100
 69 0.0 70.2 105.2#
 39 0.0 43.9 65.9#

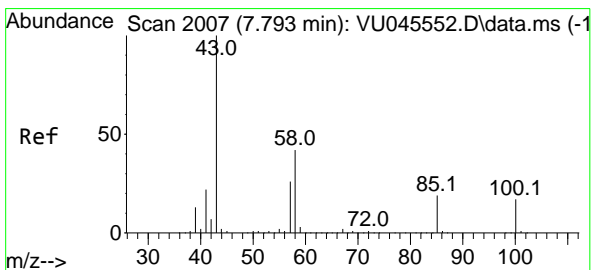
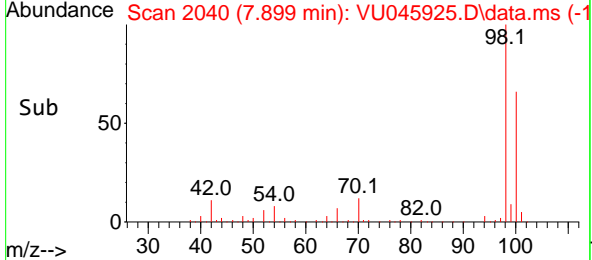
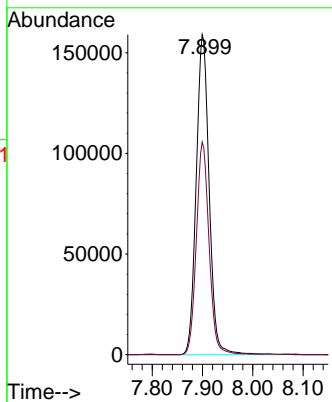
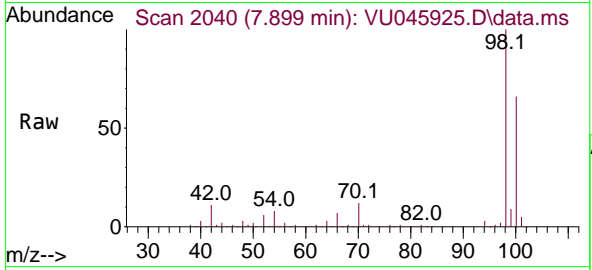




#50
 Toluene-d8
 Concen: 53.307 ug/l
 RT: 7.899 min Scan# 2040
 Delta R.T. -0.000 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

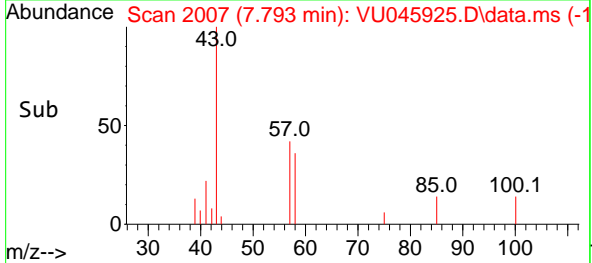
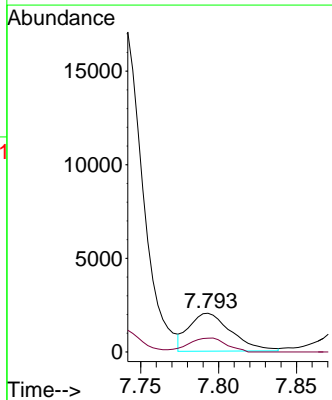
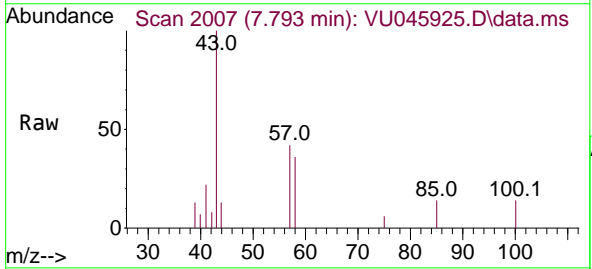
Instrument : MSVOA_U
 ClientSampleId :

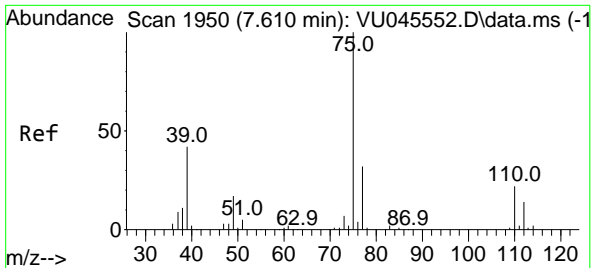
Tgt Ion: 98 Resp: 283932
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.5 78.7



#51
 4-Methyl-2-Pentanone
 Concen: 1.575 ug/l
 RT: 7.793 min Scan# 2007
 Delta R.T. -0.000 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

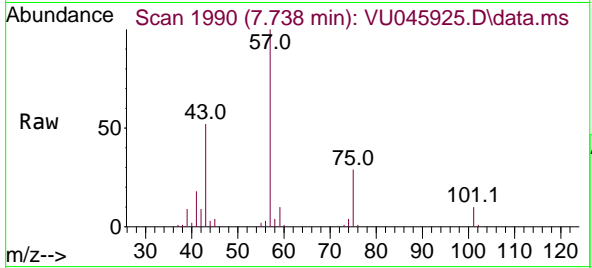
Tgt Ion: 43 Resp: 3820
 Ion Ratio Lower Upper
 43 100
 58 32.7 33.8 50.8#





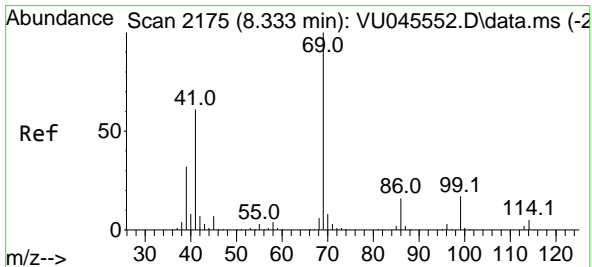
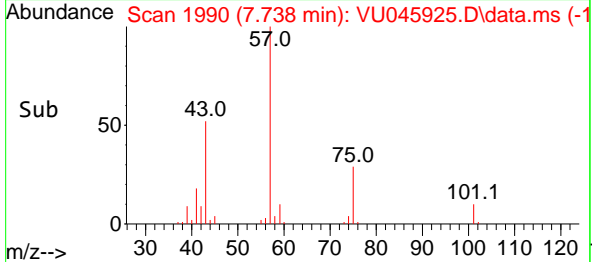
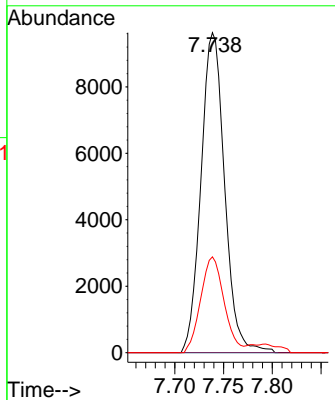
#54
 cis-1,3-Dichloropropene
 Concen: 6.166 ug/l
 RT: 7.738 min Scan# 1950
 Delta R.T. 0.129 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Instrument : MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 16216

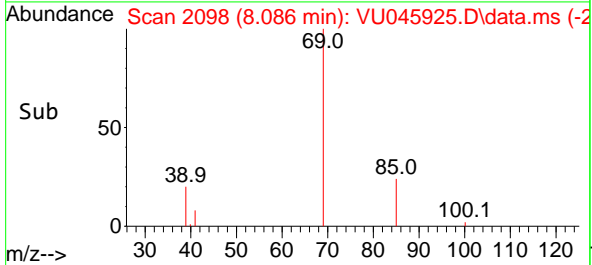
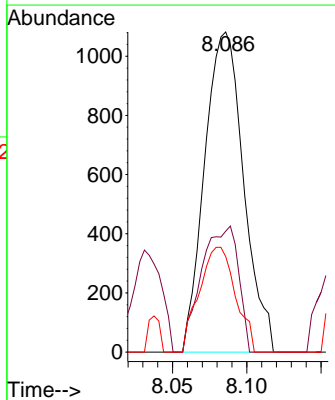
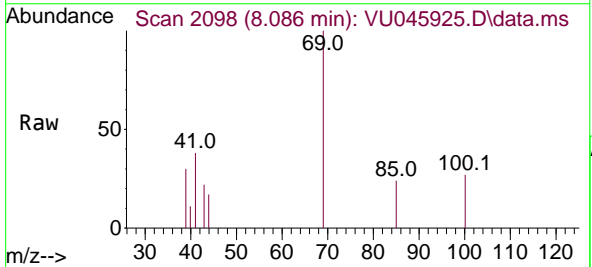
Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.6	37.0#
39	30.0	37.1	55.7#

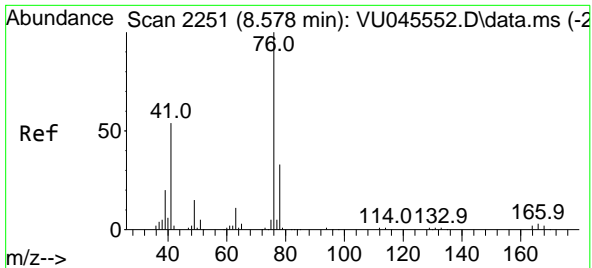


#56
 Ethyl methacrylate
 Concen: 3.091 ug/l
 RT: 8.086 min Scan# 2098
 Delta R.T. -0.247 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Tgt Ion: 69 Resp: 1977

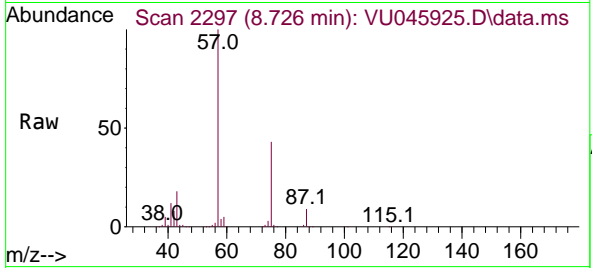
Ion	Ratio	Lower	Upper
69	100		
41	37.0	51.0	76.4#
39	30.5	26.6	39.8



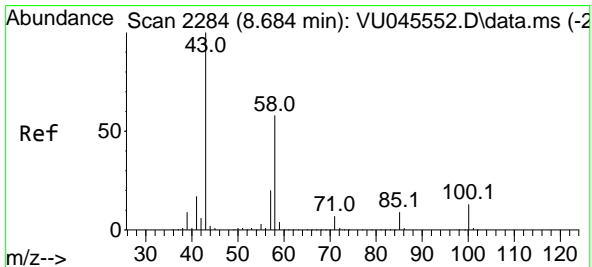
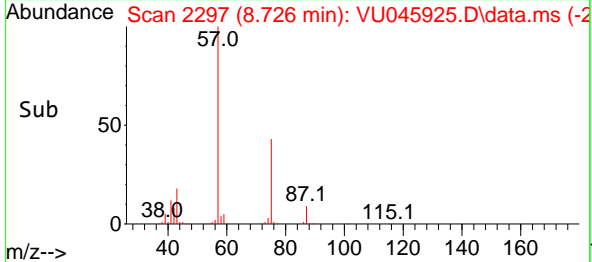
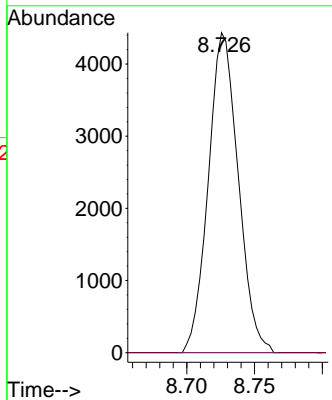


#57
 1,3-Dichloropropane
 Concen: 2.410 ug/l
 RT: 8.726 min Scan# 21
 Delta R.T. 0.148 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Instrument :
 MSVOA_U
 ClientSampleId :

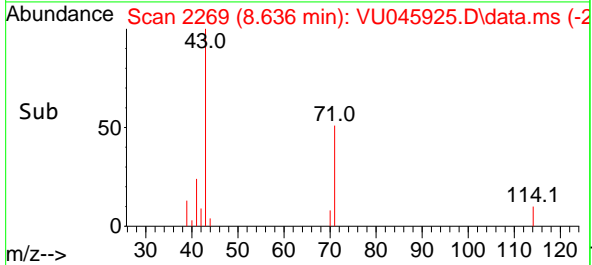
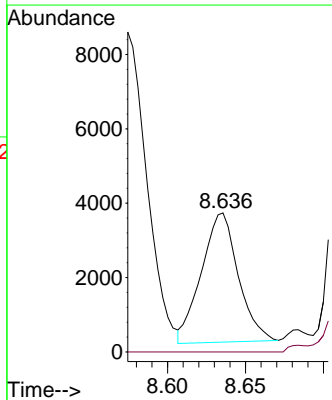
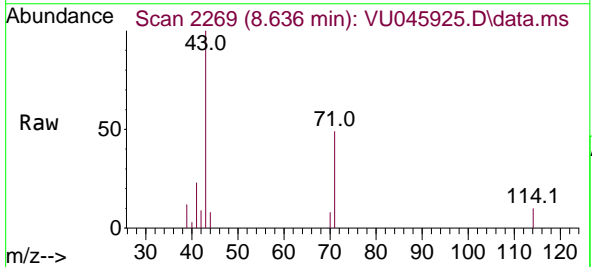


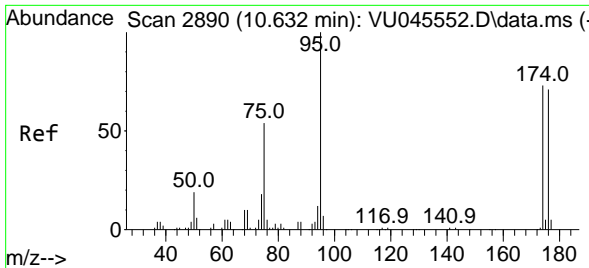
Tgt Ion: 76 Resp: 6822
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 10.162 ug/l
 RT: 8.636 min Scan# 2269
 Delta R.T. -0.048 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Tgt Ion: 43 Resp: 5714
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.5 88.6#



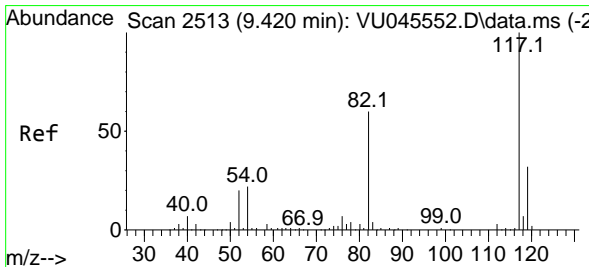
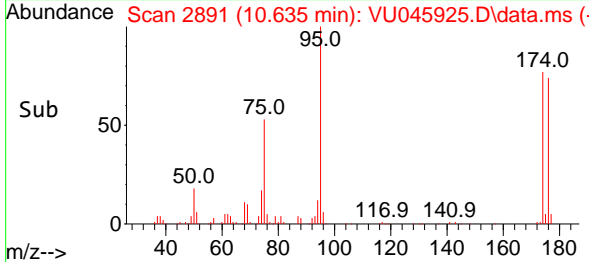
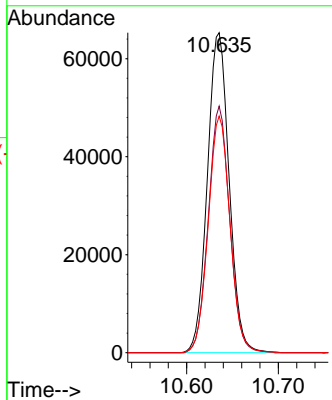
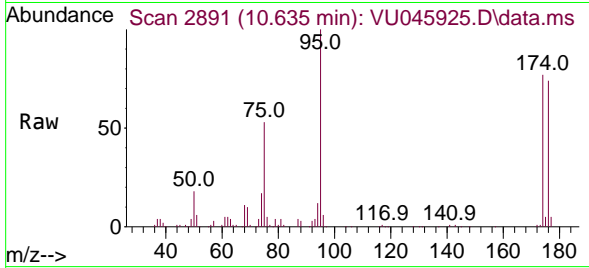


#62
 4-Bromofluorobenzene
 Concen: 50.521 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. 0.003 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Instrument : MSVOA_U
 ClientSampleId :

Tgt Ion: 95 Resp: 107905

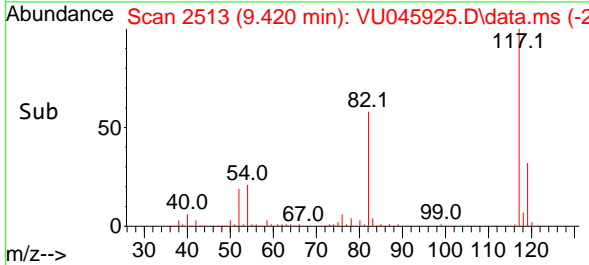
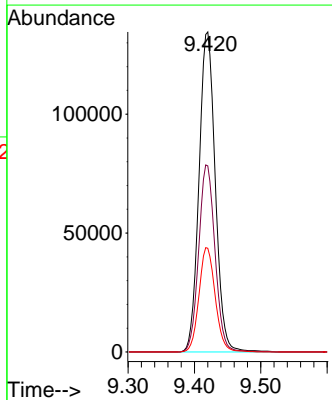
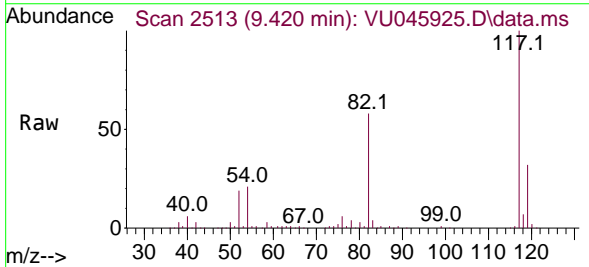
Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	141.8
176	73.9	0.0	138.2

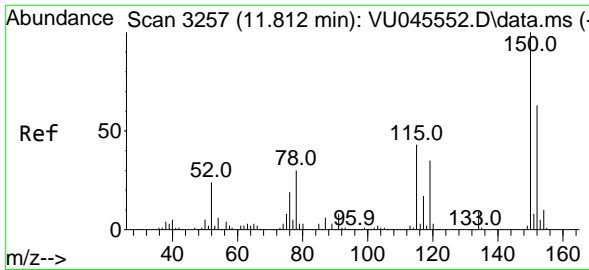


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.420 min Scan# 2513
 Delta R.T. 0.000 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Tgt Ion: 117 Resp: 229368

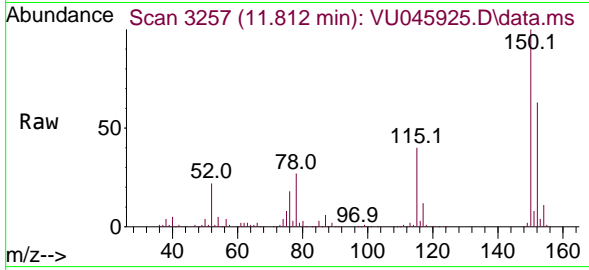
Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.8	71.8
119	32.4	25.8	38.8



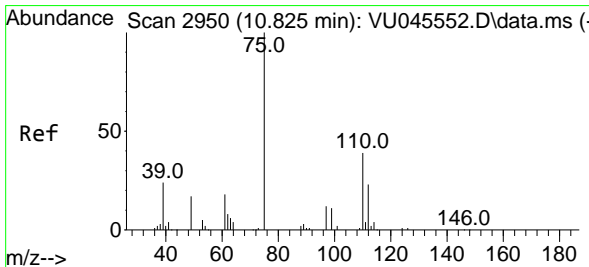
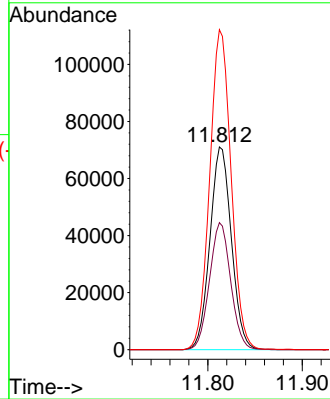
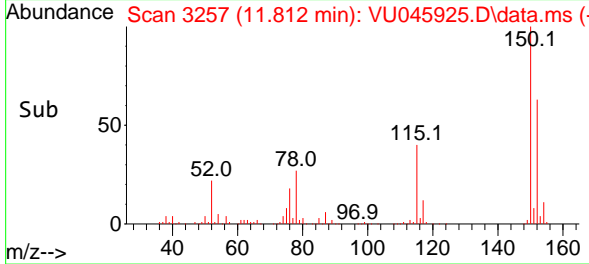


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

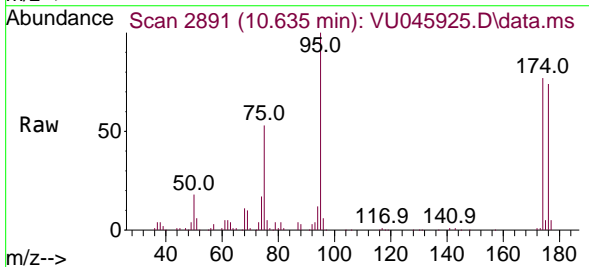
Instrument :
 MSVOA_U
 ClientSampleId :



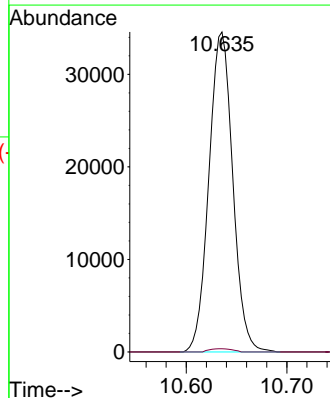
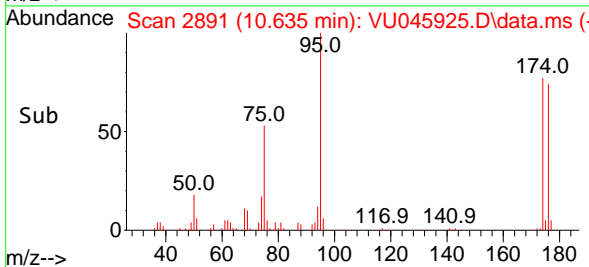
Tgt Ion:152 Resp: 112020
 Ion Ratio Lower Upper
 152 100
 115 61.9 42.7 128.1
 150 157.1 0.0 346.8

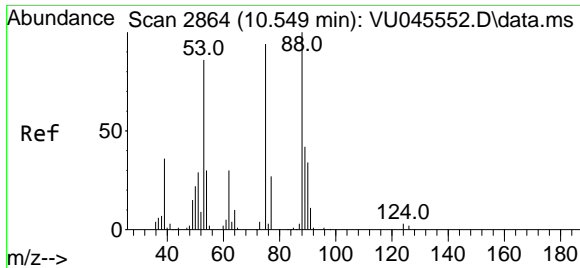


#76
 1,2,3-Trichloropropane
 Concen: 16.769 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.190 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24



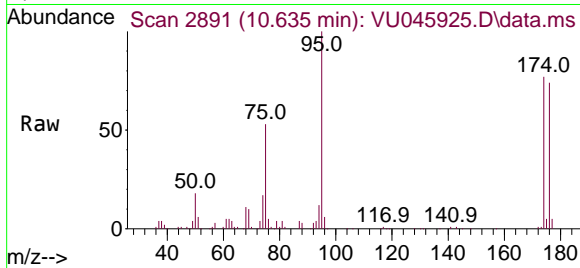
Tgt Ion: 75 Resp: 56966
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.1 51.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.639 ug/l
 RT: 10.635 min Scan# 21
 Delta R.T. 0.086 min
 Lab File: VU045925.D
 Acq: 22 Nov 2021 19:24

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 56966
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.4#
 89 0.0 34.0 51.0#

