

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052322\
 Data File : VX028892.D
 Acq On : 23 May 2022 14:25
 Operator : JC/MD
 Sample : N2938-01
 Misc : 5.05g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-051822

Quant Time: May 23 15:33:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

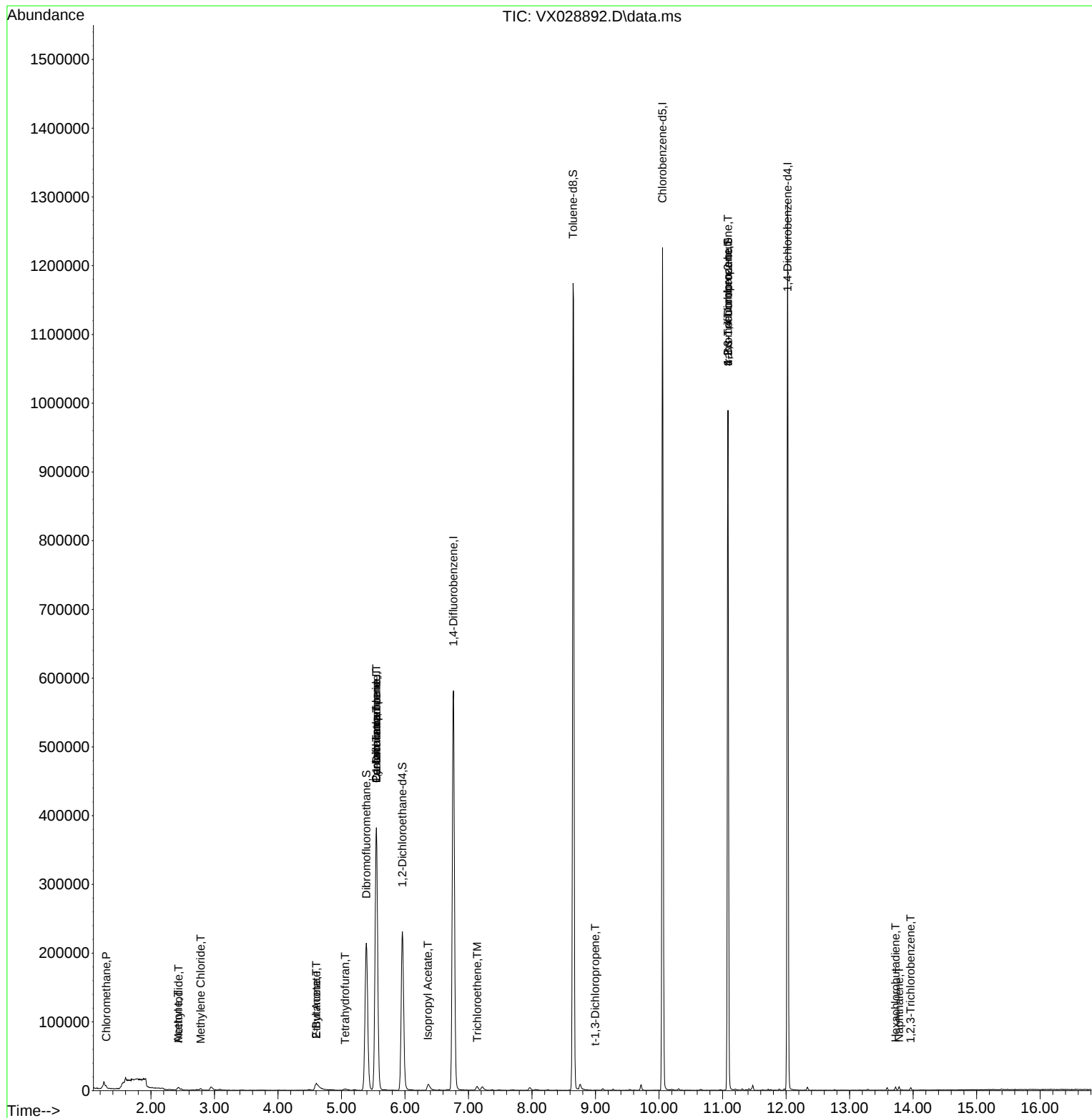
Internal Standards						
1) Pentafluorobenzene	5.550	168	357921	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	616847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	558986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	257300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	239454	48.806	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.620%		
35) Dibromofluoromethane	5.391	113	192824	47.711	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.420%		
50) Toluene-d8	8.647	98	726323	47.668	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.340%		
62) 4-Bromofluorobenzene	11.085	95	272108	47.812	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.620%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	1142	0.259	ug/l	92
5) Bromomethane	1.599	94	2560	Below Cal		85
6) Chloroethane	1.660	64	157	Below Cal	#	87
10) Methyl Iodide	2.434	142	2888	0.604	ug/l	# 90
11) Tert butyl alcohol	2.941	59	3938	Below Cal	#	72
16) Acetone	2.428	43	2712	1.288	ug/l	# 86
20) Methylene Chloride	2.782	84	1056	0.239	ug/l	# 92
25) 2-Butanone	4.605	43	29188	8.831	ug/l	97
29) Tetrahydrofuran	5.056	42	1031	0.480	ug/l	# 53
31) Cyclohexane	5.550	56	7764	1.140	ug/l	# 16
36) 1,1-Dichloropropene	5.550	75	28484	4.692	ug/l	# 50
37) Ethyl Acetate	4.605	43	29188	4.604	ug/l	# 66
38) Carbon Tetrachloride	5.550	117	38641	6.325	ug/l	# 15
43) Isopropyl Acetate	6.361	43	2235	0.225	ug/l	# 56
44) Trichloroethene	7.135	130	1180	0.249	ug/l	82
53) t-1,3-Dichloropropene	8.994	75	169	1.664	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	137254	22.778	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	137254	66.563	ug/l	# 15
94) Hexachlorobutadiene	13.725	225	612	0.293	ug/l	86
95) Naphthalene	13.780	128	3818	0.209	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1079	0.209	ug/l	# 88

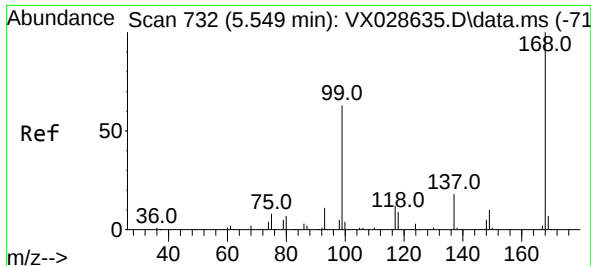
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 23 15:33:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
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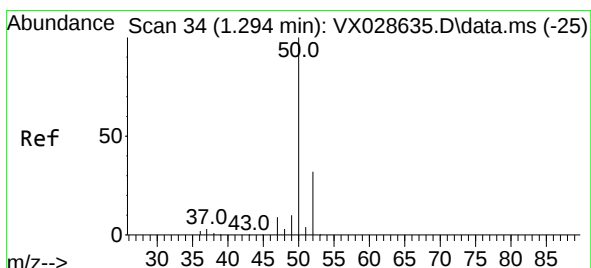
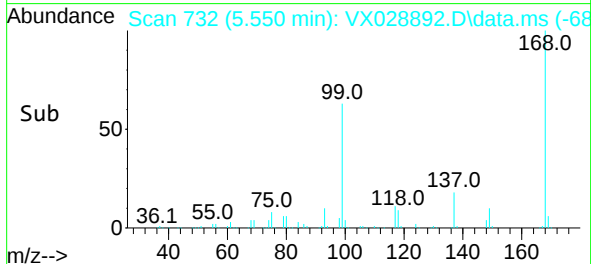
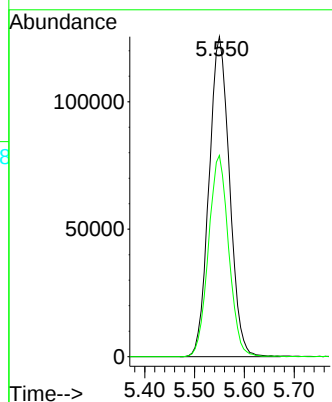
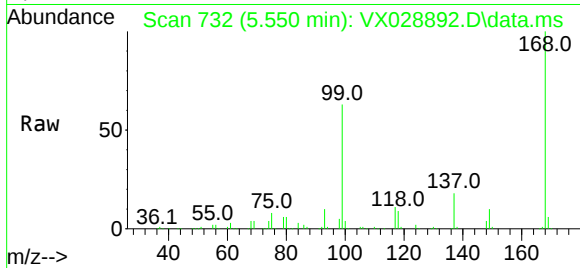




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

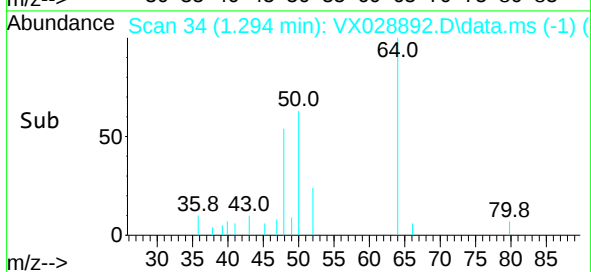
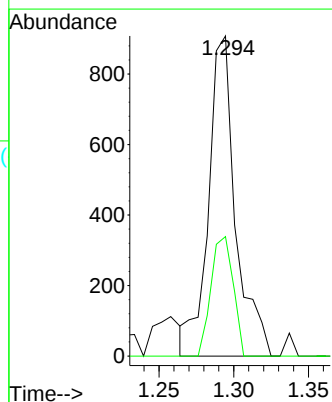
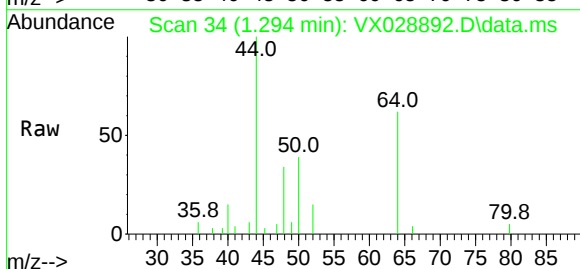
Instrument :
MSVOA_X
ClientSampleId :
TR-05-051822

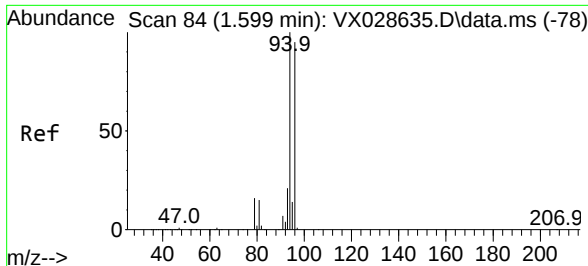
Tgt Ion:168 Resp: 357921
Ion Ratio Lower Upper
168 100
99 62.9 41.7 62.5#



#3
Chloromethane
Concen: 0.259 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

Tgt Ion: 50 Resp: 1142
Ion Ratio Lower Upper
50 100
52 37.3 26.4 39.6

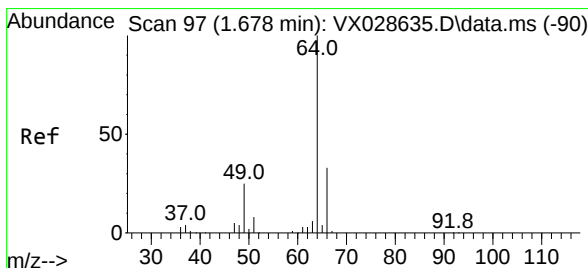
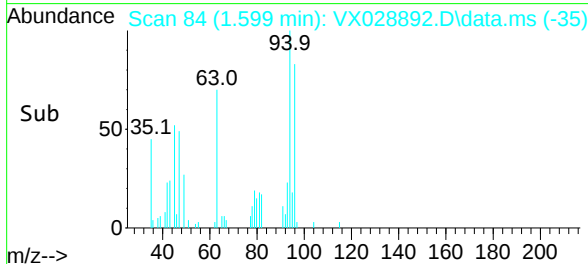
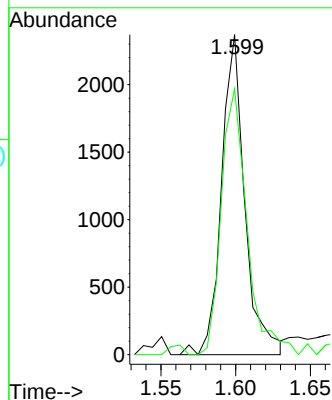
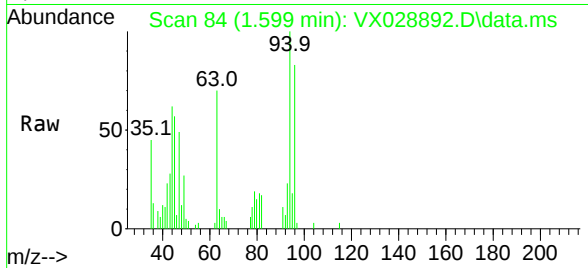




#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

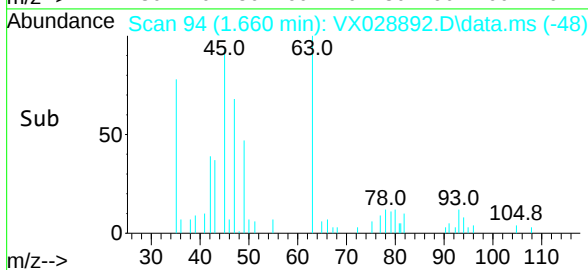
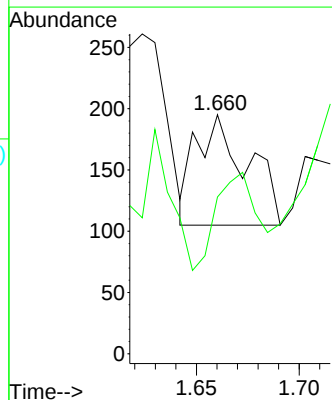
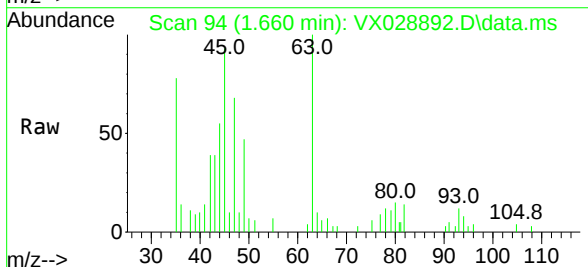
Instrument :
MSVOA_X
ClientSampleId :
TR-05-051822

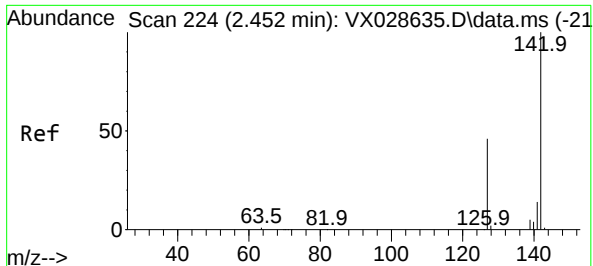
Tgt Ion: 94 Resp: 2560
Ion Ratio Lower Upper
94 100
96 80.1 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

Tgt Ion: 64 Resp: 157
Ion Ratio Lower Upper
64 100
66 24.4 25.3 37.9#





#10

Methyl Iodide

Concen: 0.604 ug/l

RT: 2.434 min Scan# 21

Delta R.T. -0.018 min

Lab File: VX028892.D

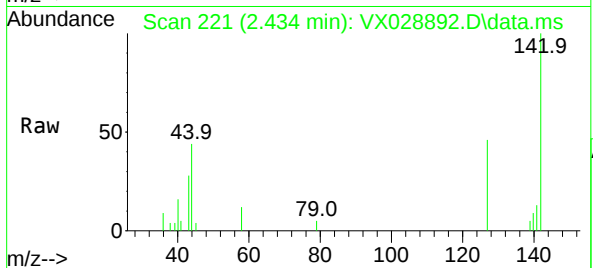
Acq: 23 May 2022 14:25

Instrument :

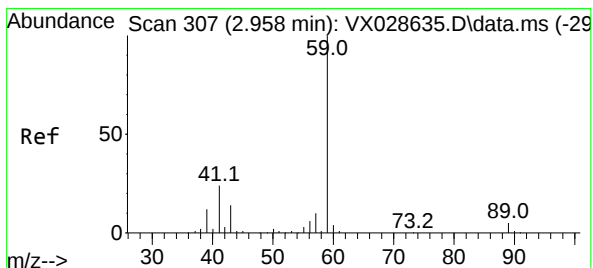
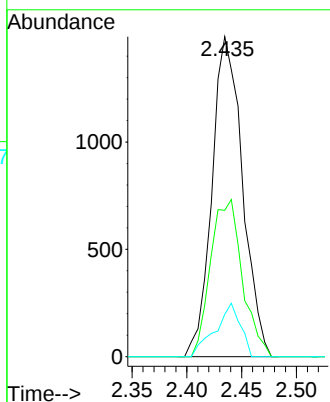
MSVOA_X

ClientSampleId :

TR-05-051822



Tgt Ion:142	Resp:	2888
Ion	Ratio	Lower Upper
142	100	
127	50.9	33.9 50.9#
141	13.8	11.4 17.2



#11

Tert butyl alcohol

Concen: Below Cal

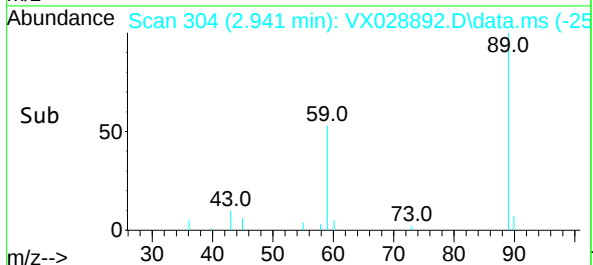
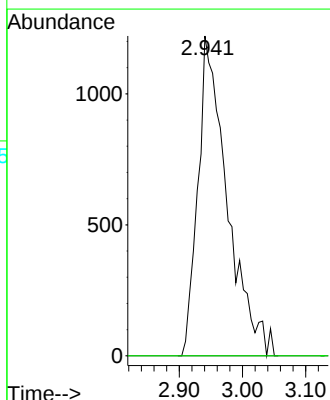
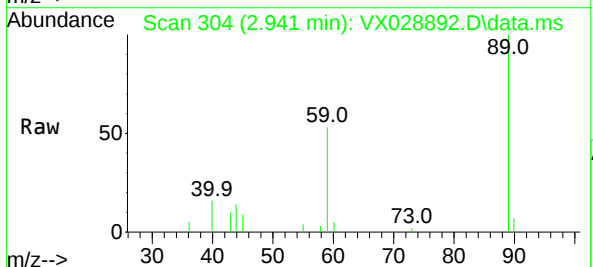
RT: 2.941 min Scan# 304

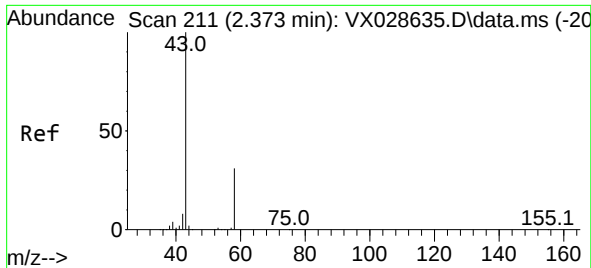
Delta R.T. -0.018 min

Lab File: VX028892.D

Acq: 23 May 2022 14:25

Tgt Ion: 59	Resp:	3938
Ion	Ratio	Lower Upper
59	100	
57	0.0	8.3 12.5#





#16

Acetone

Concen: 1.288 ug/l

RT: 2.428 min Scan# 21

Delta R.T. 0.055 min

Lab File: VX028892.D

Acq: 23 May 2022 14:25

Instrument :

MSVOA_X

ClientSampleId :

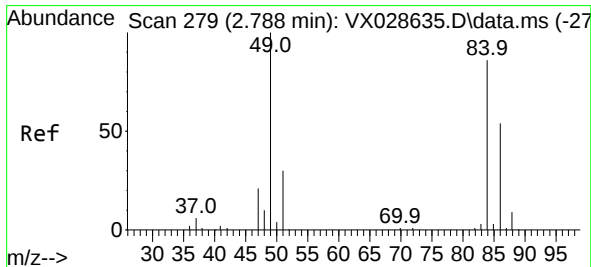
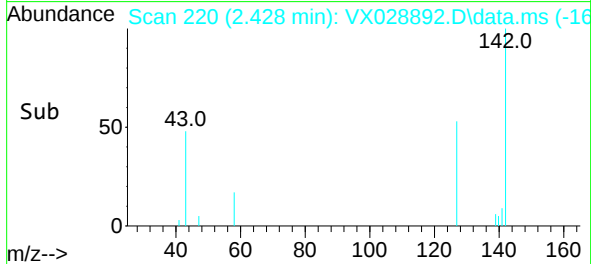
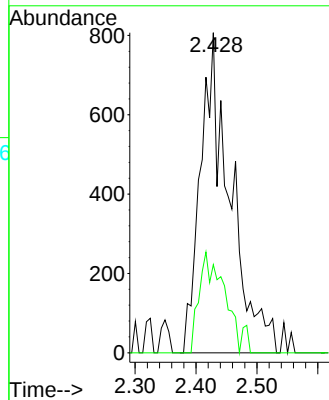
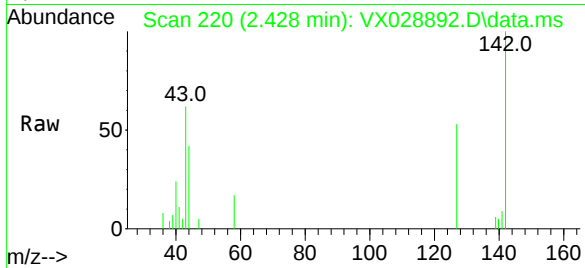
TR-05-051822

Tgt Ion: 43 Resp: 2712

Ion Ratio Lower Upper

43 100

58 27.5 28.8 43.2#



#20

Methylene Chloride

Concen: 0.239 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX028892.D

Acq: 23 May 2022 14:25

Tgt Ion: 84 Resp: 1056

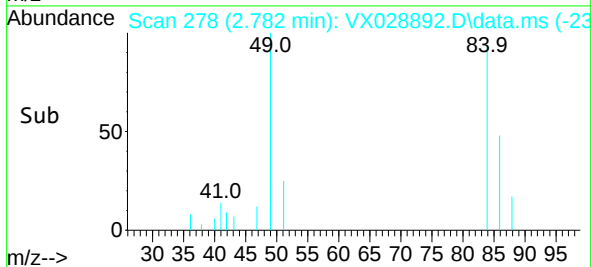
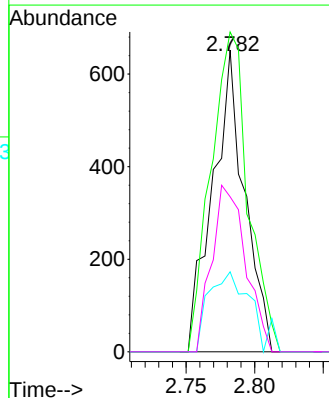
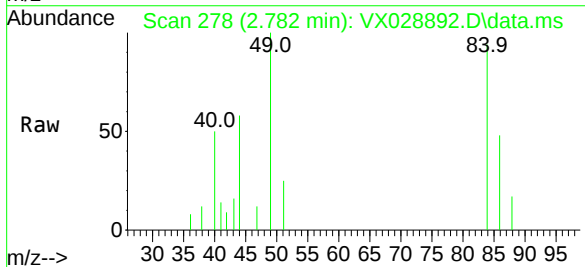
Ion Ratio Lower Upper

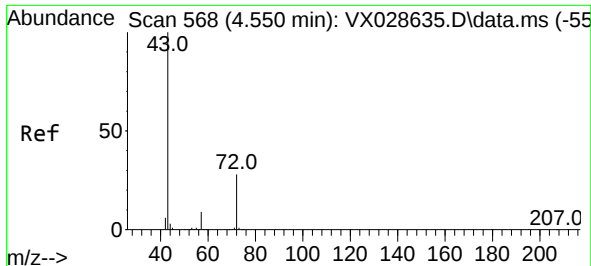
84 100

49 106.0 85.5 128.3

51 26.5 26.6 39.8#

86 51.4 51.5 77.3#

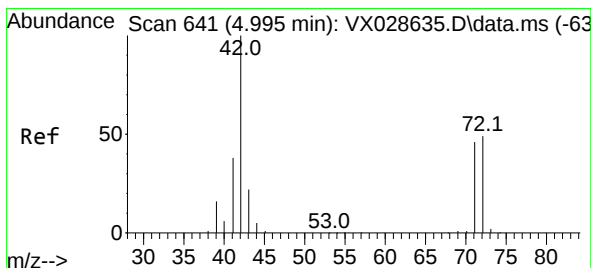
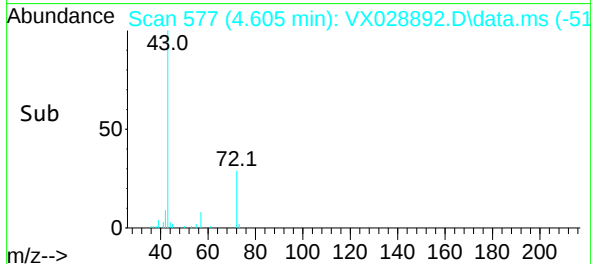
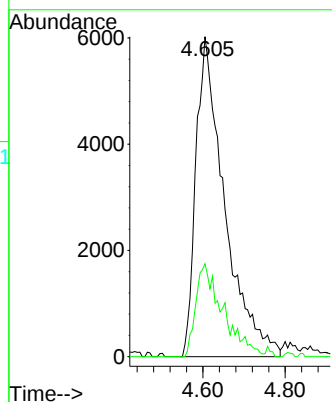
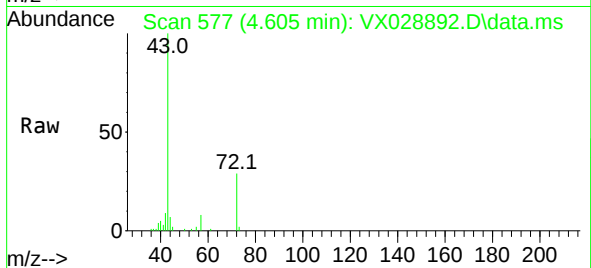




#25
2-Butanone
Concen: 8.831 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.055 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

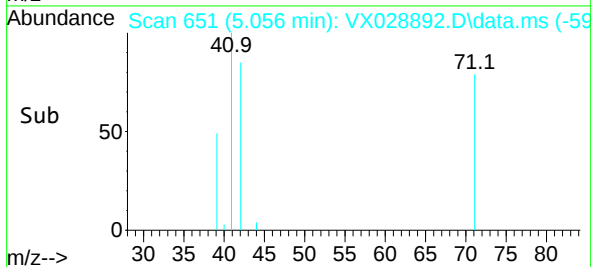
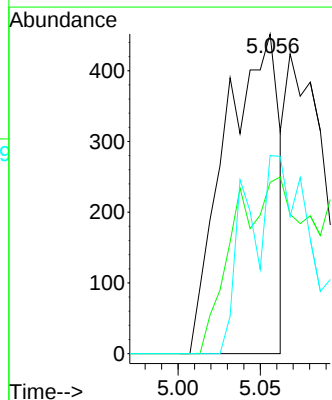
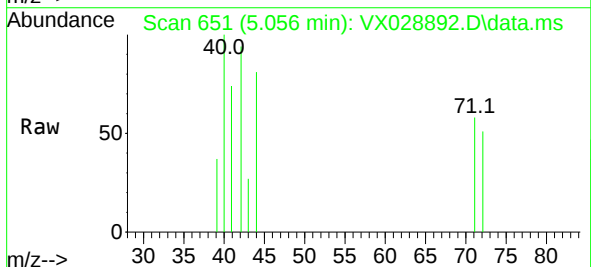
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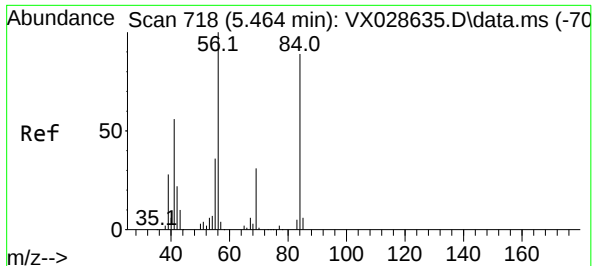
Tgt Ion: 43 Resp: 29188
Ion Ratio Lower Upper
43 100
72 29.1 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.480 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.061 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

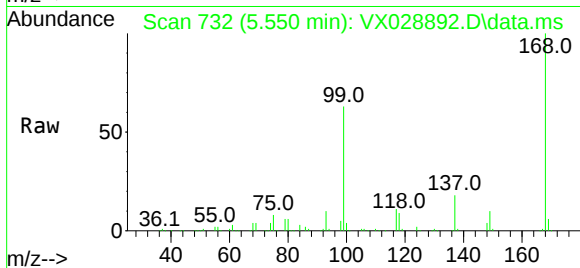
Tgt Ion: 42 Resp: 1031
Ion Ratio Lower Upper
42 100
72 9.6 44.1 66.1#
71 29.7 40.5 60.7#



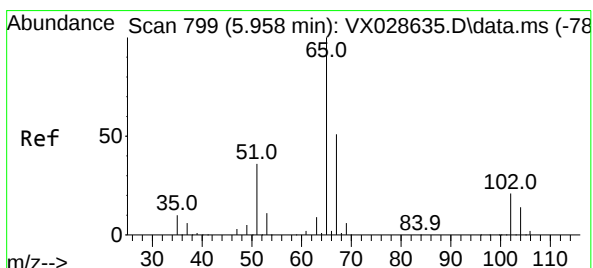
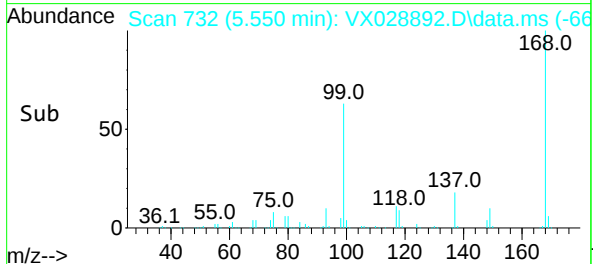
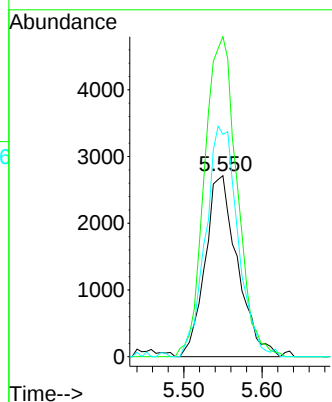


#31
Cyclohexane
Concen: 1.140 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

Instrument :
MSVOA_X
ClientSampleId :
TR-05-051822

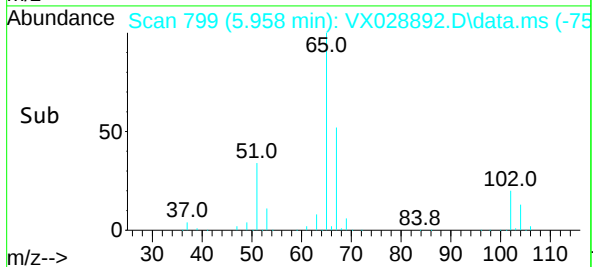
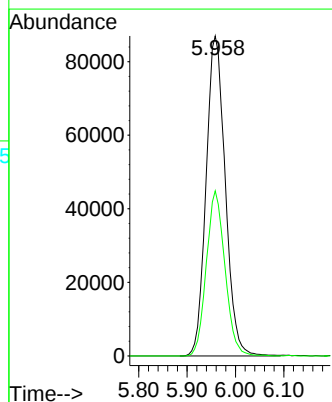
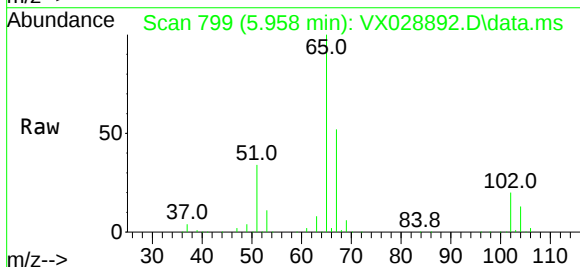


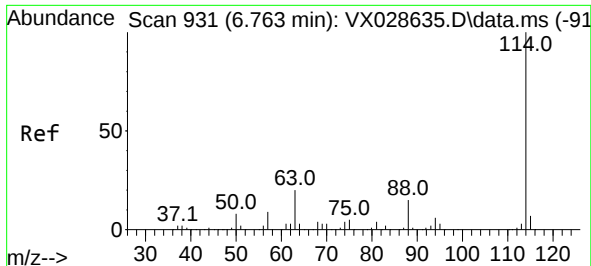
Tgt Ion: 56 Resp: 7764
Ion Ratio Lower Upper
56 100
69 174.9 26.7 40.1#
84 122.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 48.806 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

Tgt Ion: 65 Resp: 239454
Ion Ratio Lower Upper
65 100
67 50.2 0.0 107.4

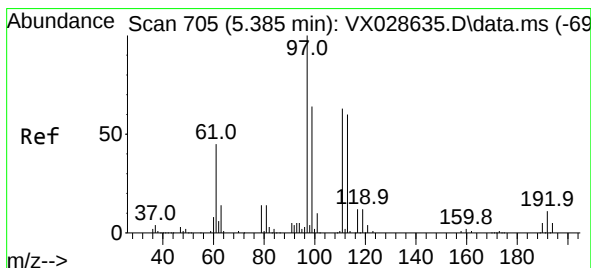
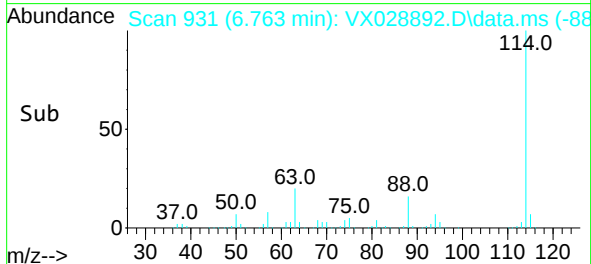
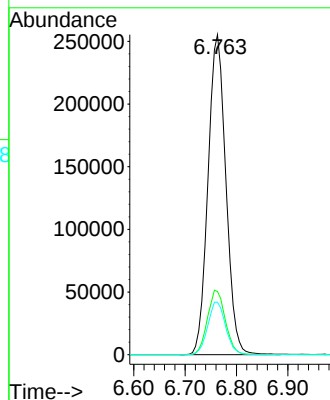
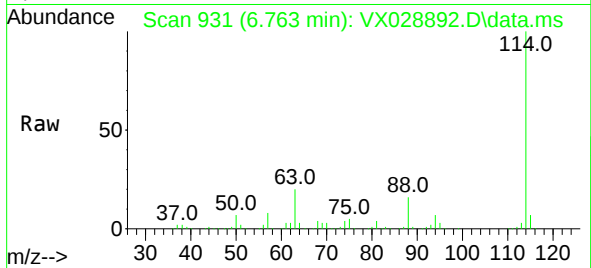




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

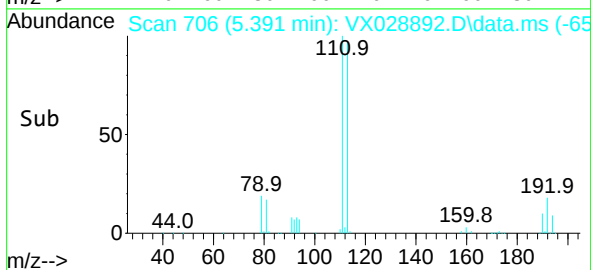
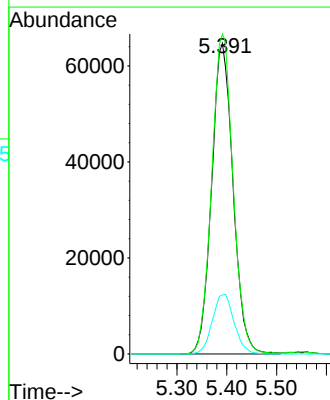
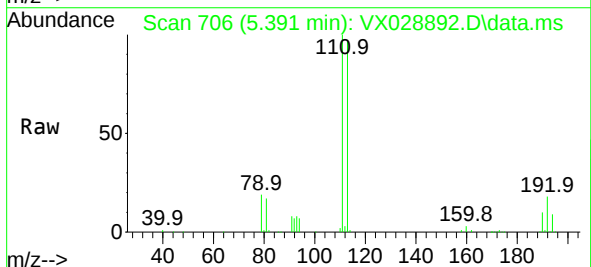
Instrument :
MSVOA_X
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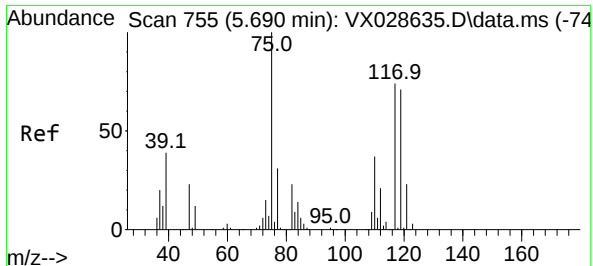
Tgt Ion:114 Resp: 616847
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.8
88 16.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 47.711 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

Tgt Ion:113 Resp: 192824
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 19.5 16.9 25.3

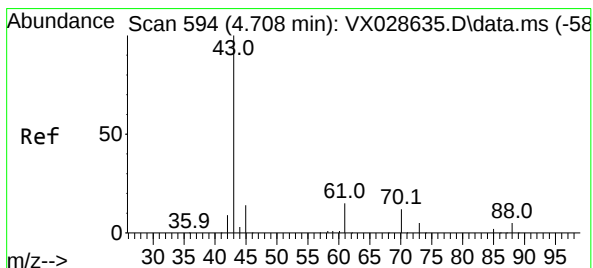
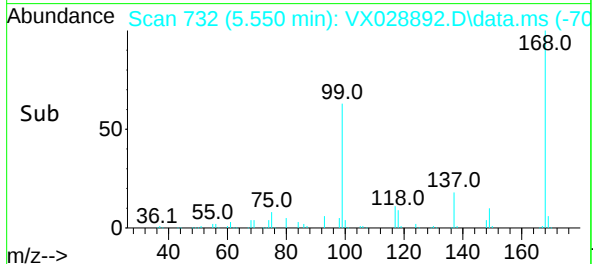
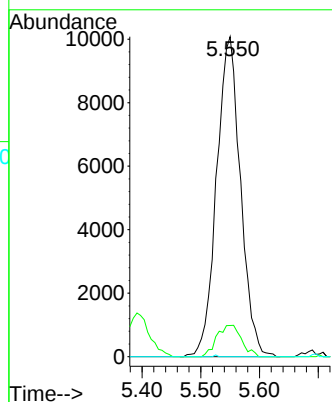
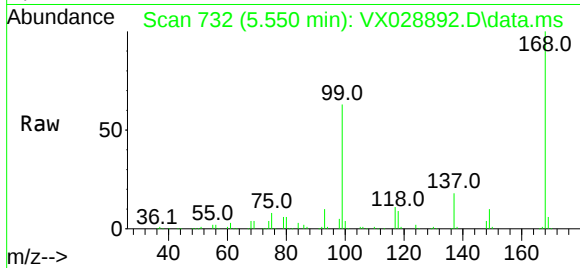




#36
1,1-Dichloropropene
Concen: 4.692 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

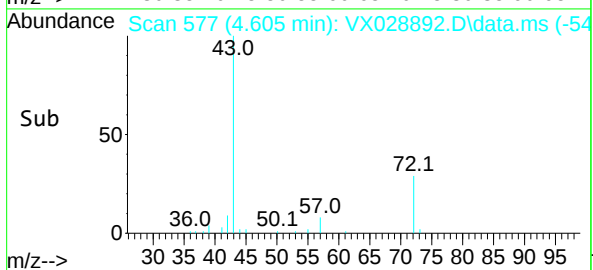
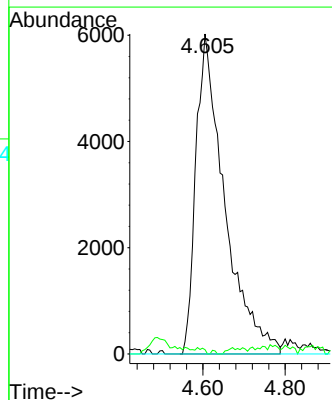
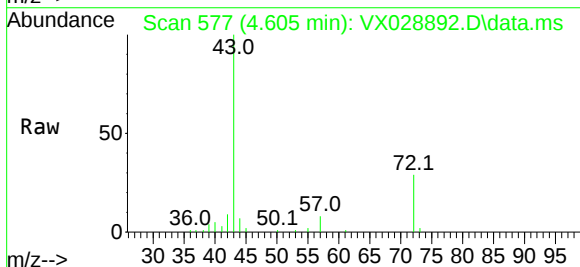
Instrument :
MSVOA_X
ClientSampleId :
TR-05-051822

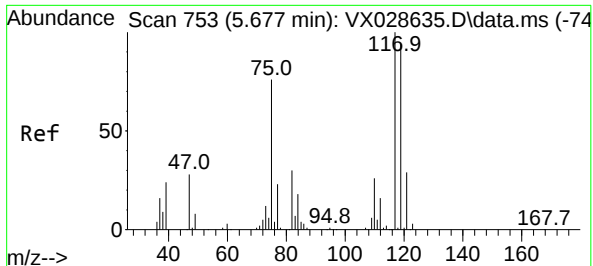
Tgt Ion: 75 Resp: 28484
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 4.604 ug/l
RT: 4.605 min Scan# 577
Delta R.T. -0.103 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

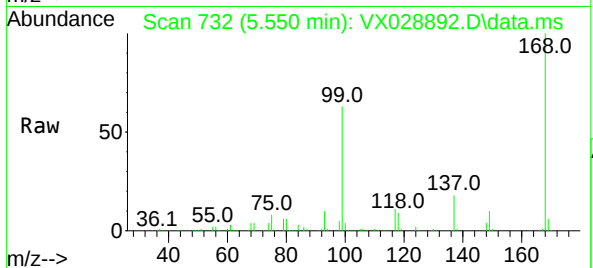
Tgt Ion: 43 Resp: 29188
Ion Ratio Lower Upper
43 100
61 0.5 12.6 19.0#
70 0.0 10.2 15.2#



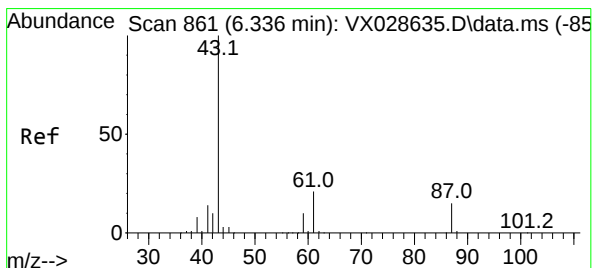
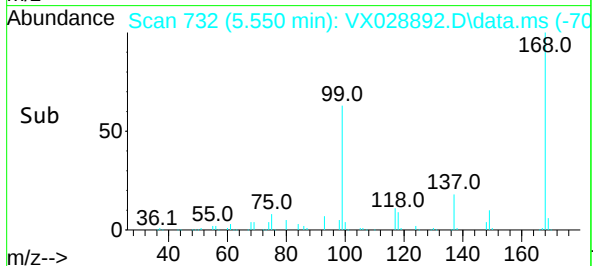
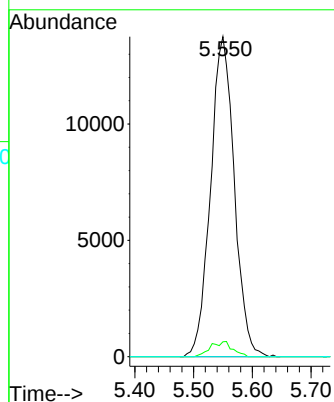


#38
Carbon Tetrachloride
Concen: 6.325 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

Instrument :
MSVOA_X
ClientSampleId :
TR-05-051822

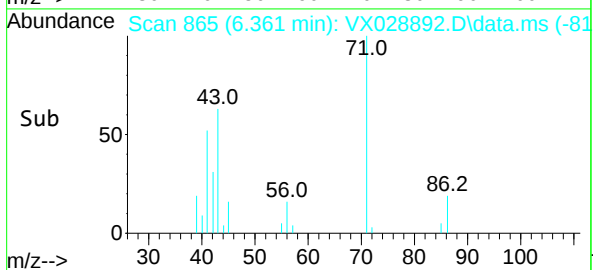
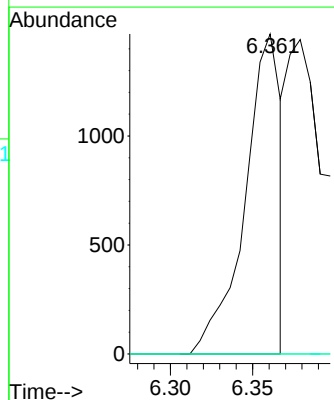
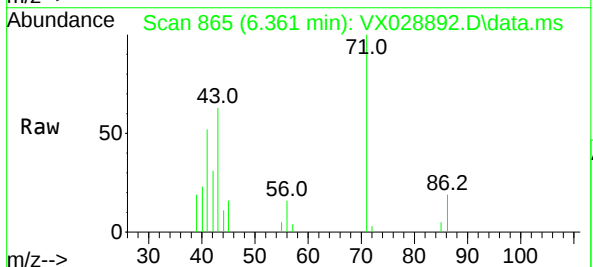


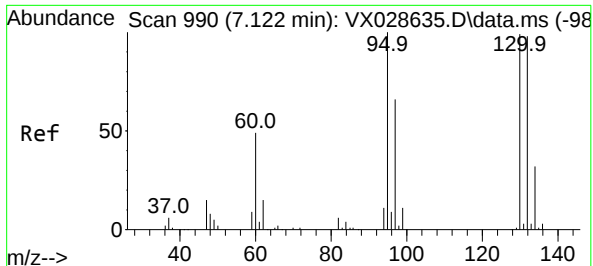
Tgt Ion:117 Resp: 38641
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.225 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.025 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

Tgt Ion: 43 Resp: 2235
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 0.0 13.0 19.6#

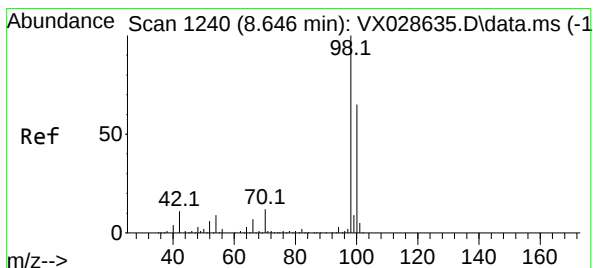
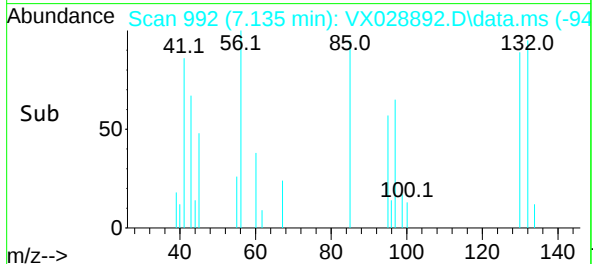
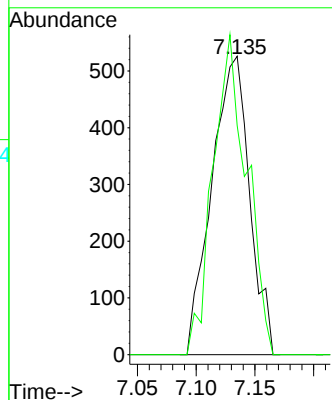
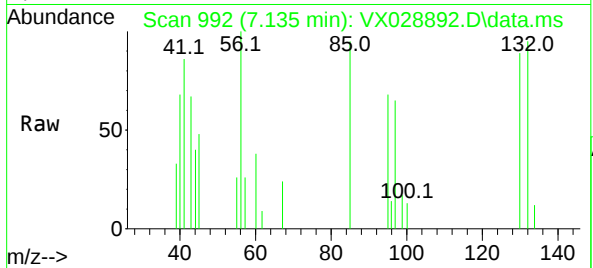




#44
 Trichloroethene
 Concen: 0.249 ug/l
 RT: 7.135 min Scan# 99
 Delta R.T. 0.013 min
 Lab File: VX028892.D
 Acq: 23 May 2022 14:25

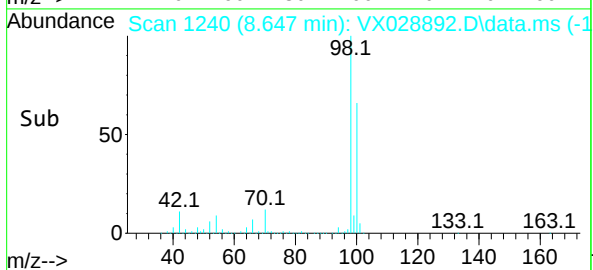
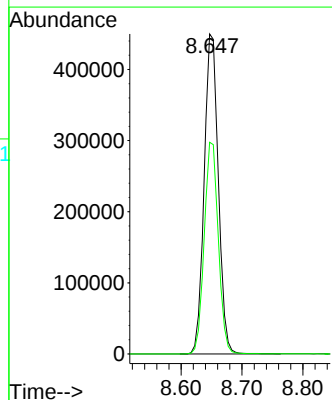
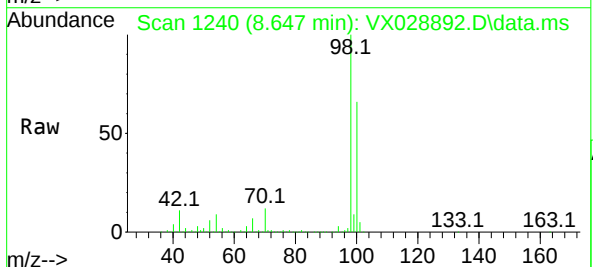
Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-051822

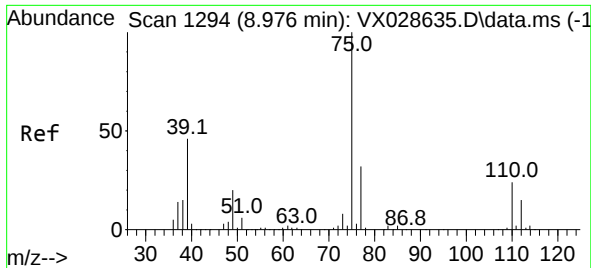
Tgt Ion:130 Resp: 1180
 Ion Ratio Lower Upper
 130 100
 95 76.8 0.0 188.8



#50
 Toluene-d8
 Concen: 47.668 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.001 min
 Lab File: VX028892.D
 Acq: 23 May 2022 14:25

Tgt Ion: 98 Resp: 726323
 Ion Ratio Lower Upper
 98 100
 100 66.0 52.6 78.8





#53

t-1,3-Dichloropropene

Concen: 1.664 ug/l

RT: 8.994 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX028892.D

Acq: 23 May 2022 14:25

Instrument :

MSVOA_X

ClientSampleId :

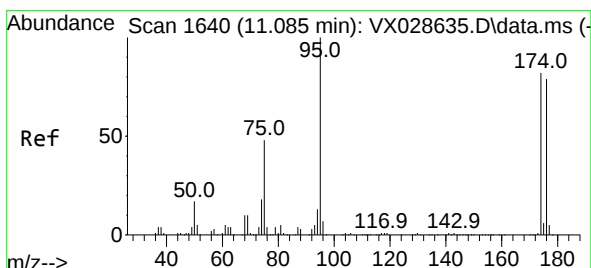
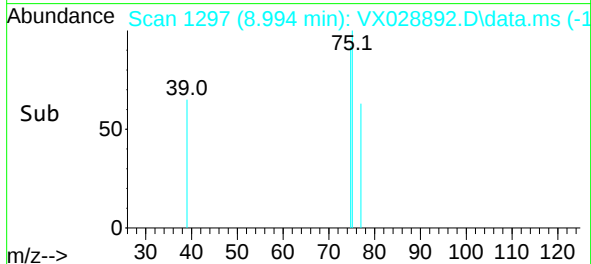
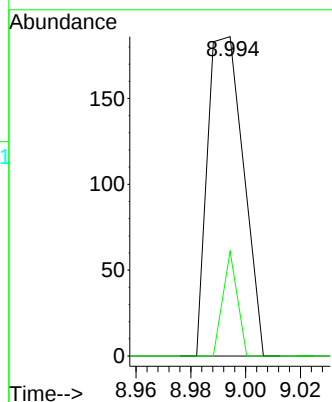
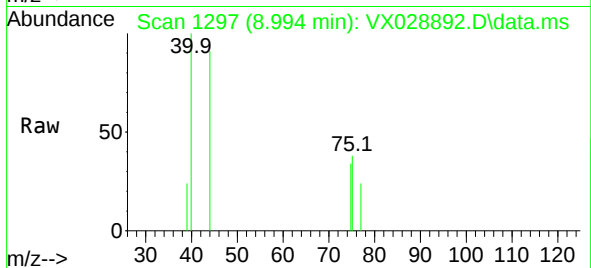
TR-05-051822

Tgt Ion: 75 Resp: 169

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0



#62

4-Bromofluorobenzene

Concen: 47.812 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX028892.D

Acq: 23 May 2022 14:25

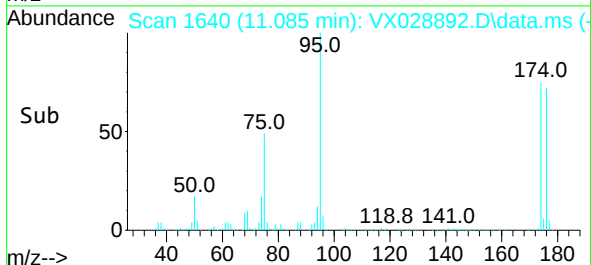
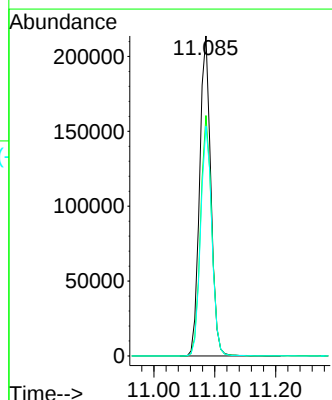
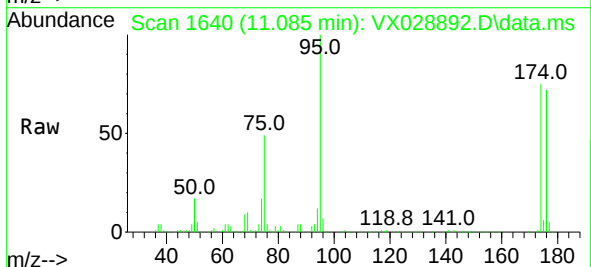
Tgt Ion: 95 Resp: 272108

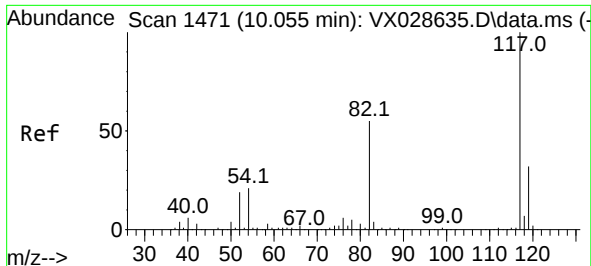
Ion Ratio Lower Upper

95 100

174 74.9 0.0 163.0

176 72.1 0.0 155.0

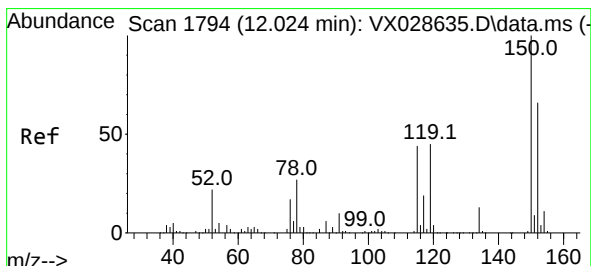
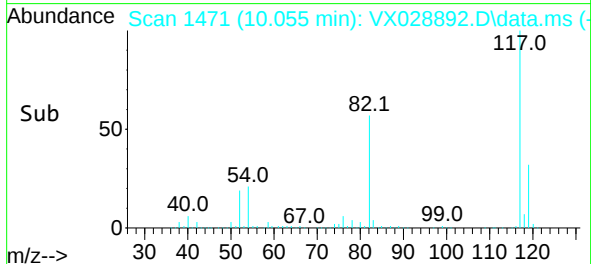
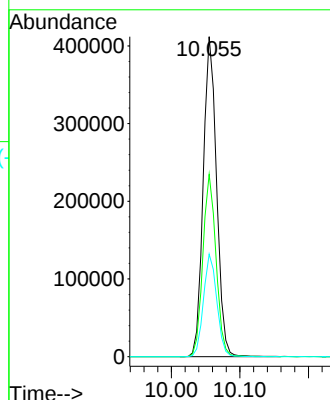
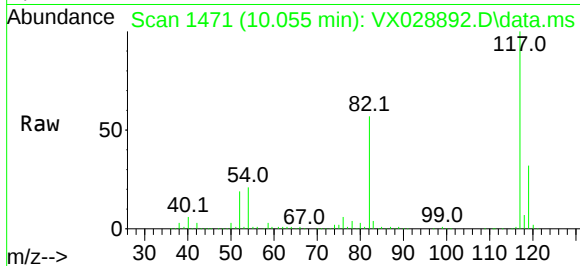




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

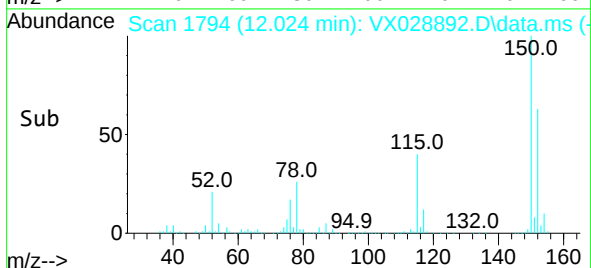
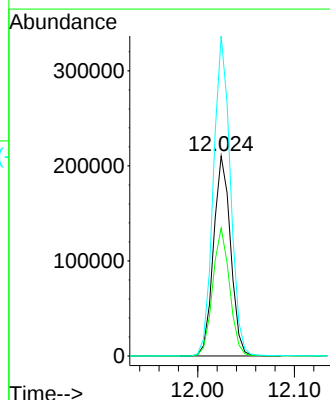
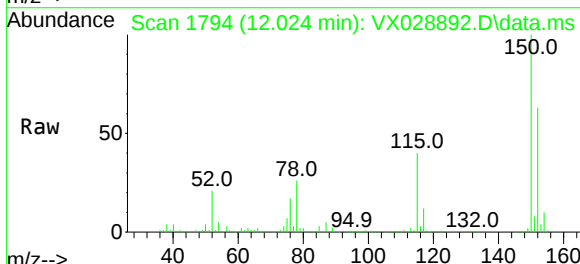
Instrument :
MSVOA_X
ClientSampleId :
TR-05-051822

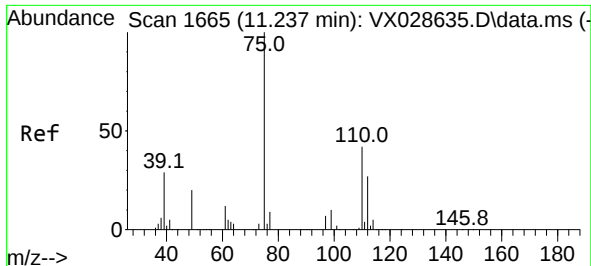
Tgt Ion:117 Resp: 558986
Ion Ratio Lower Upper
117 100
82 57.0 41.8 62.8
119 32.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

Tgt Ion:152 Resp: 257300
Ion Ratio Lower Upper
152 100
115 63.1 37.5 112.7
150 159.5 0.0 338.2

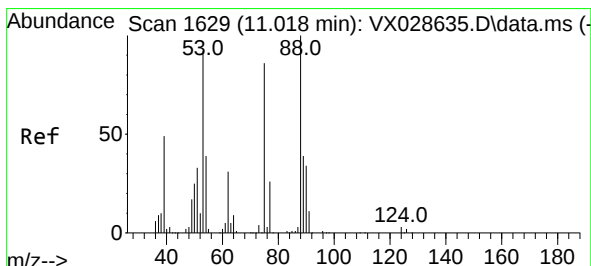
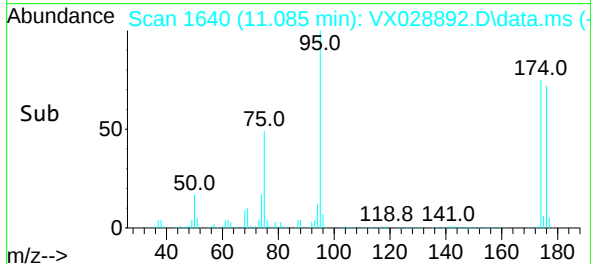
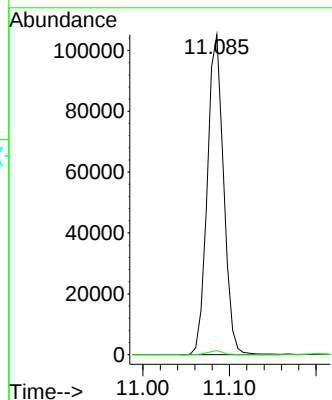
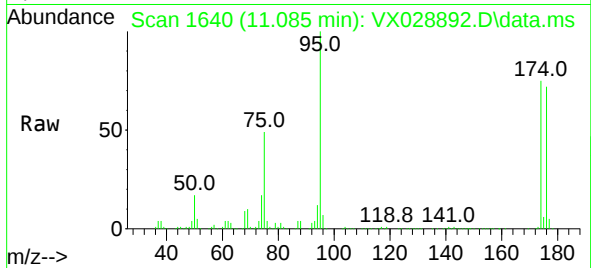




#76
1,2,3-Trichloropropane
Concen: 22.778 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.152 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

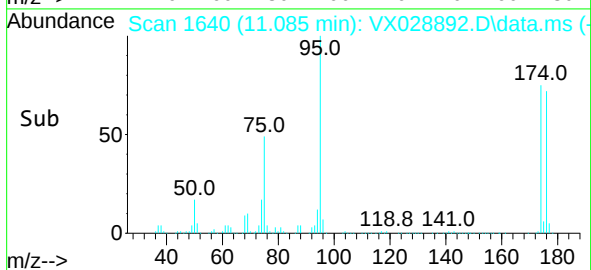
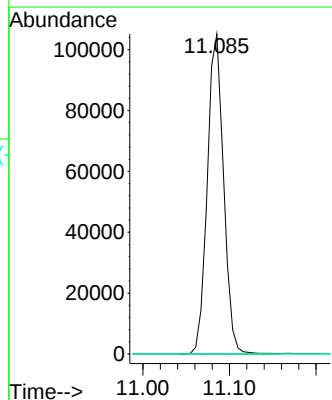
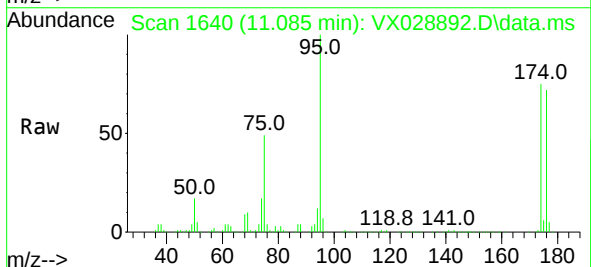
Instrument :
MSVOA_X
ClientSampleId :
TR-05-051822

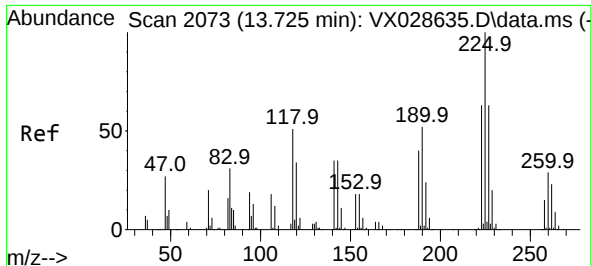
Tgt Ion: 75 Resp: 137254
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.563 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

Tgt Ion: 75 Resp: 137254
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

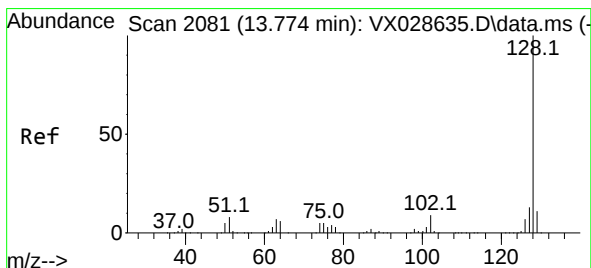
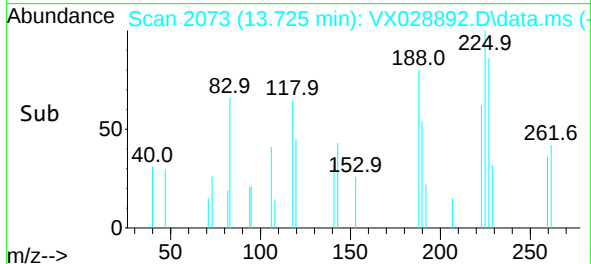
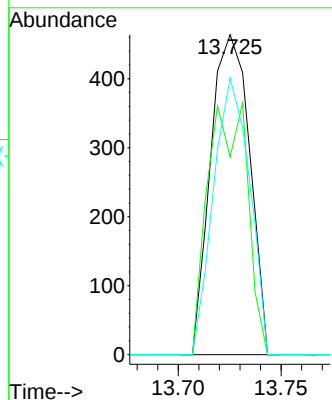
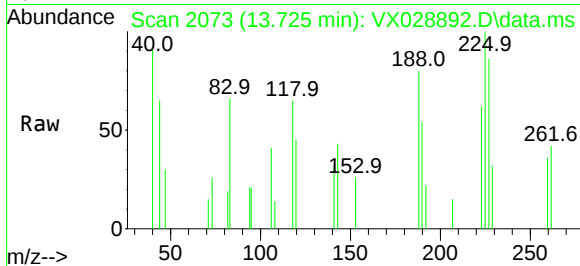




#94
Hexachlorobutadiene
Concen: 0.293 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

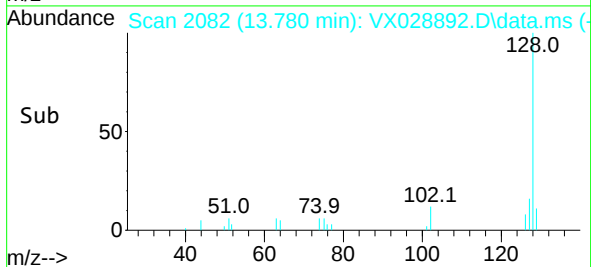
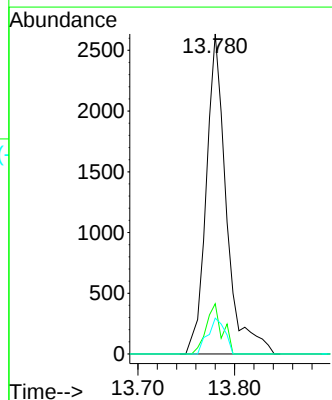
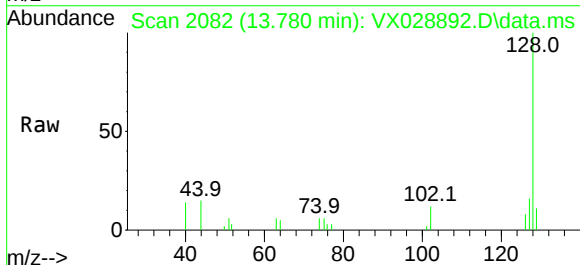
Instrument :
MSVOA_X
ClientSampleId :
TR-05-051822

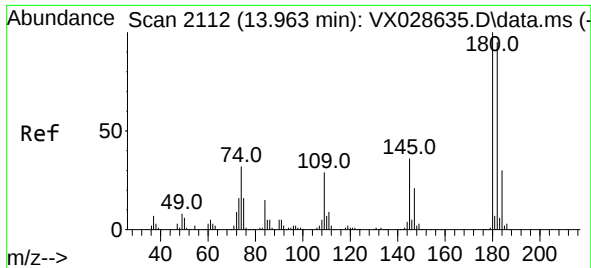
Tgt Ion:	225	Resp:	612
Ion	Ratio	Lower	Upper
225	100		
223	79.2	34.2	102.5
227	80.1	33.9	101.7



#95
Naphthalene
Concen: 0.209 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028892.D
Acq: 23 May 2022 14:25

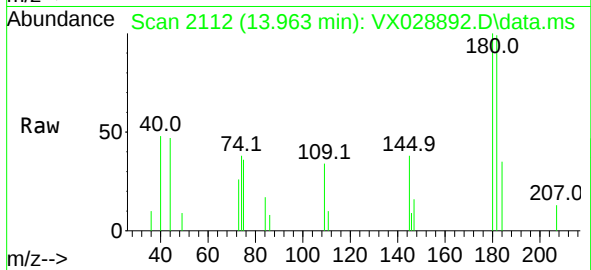
Tgt Ion:	128	Resp:	3818
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	9.5	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.209 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX028892.D
 Acq: 23 May 2022 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-051822



Tgt Ion:180 Resp: 1079
 Ion Ratio Lower Upper
 180 100
 182 97.1 50.0 149.8
 145 55.0 16.2 48.5#

