

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051922\
 Data File : VX028823.D
 Acq On : 19 May 2022 14:23
 Operator : JC/MD
 Sample : N2941-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30S-20220518

Quant Time: May 20 01:46:59 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)

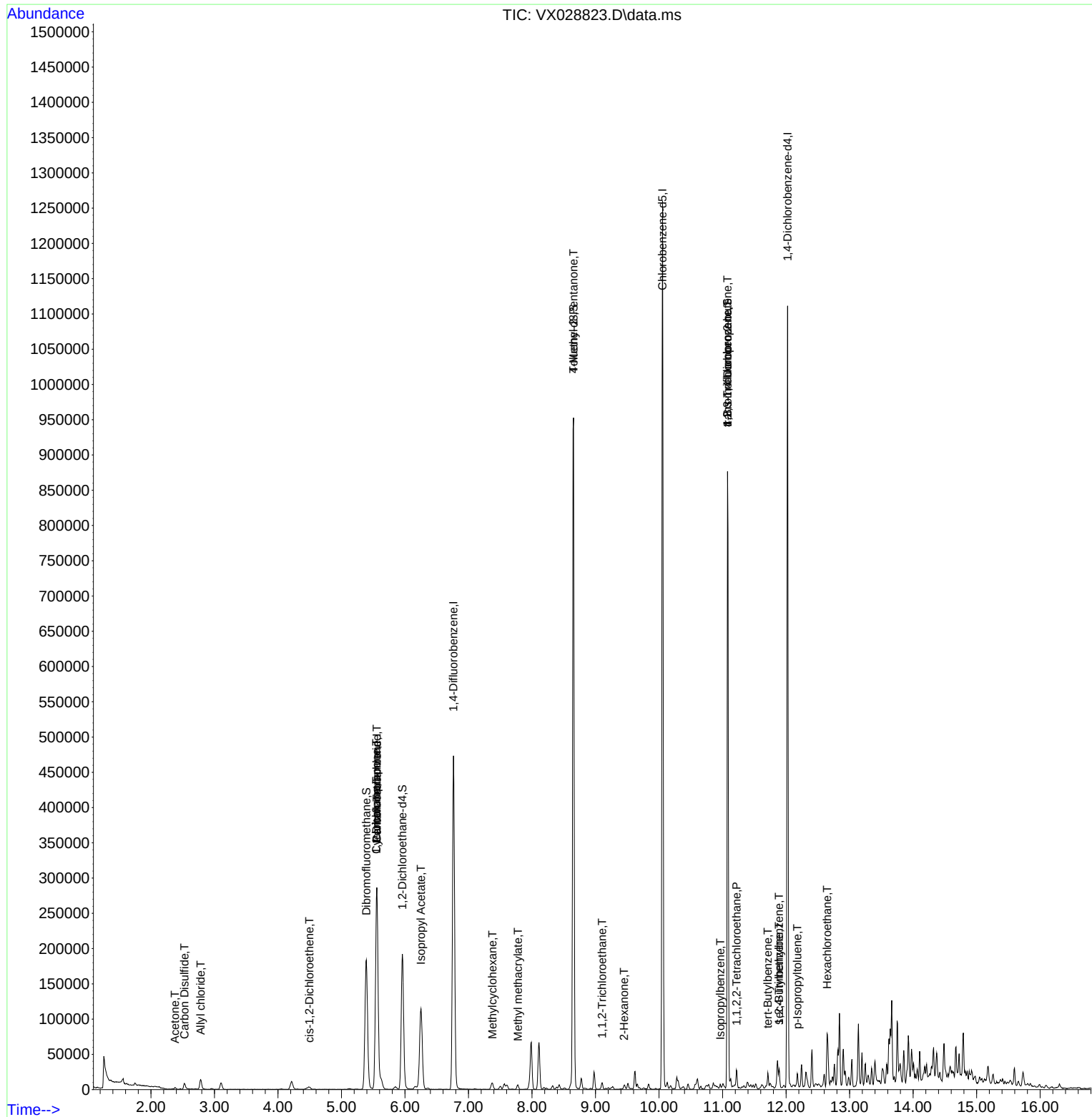
Internal Standards						
1) Pentafluorobenzene	5.556	168	260089	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	478285	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	549979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	212775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	184031	51.618	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.240%	
35) Dibromofluoromethane	5.391	113	157726	50.333	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.660%	
50) Toluene-d8	8.653	98	571981	48.414	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.820%	
62) 4-Bromofluorobenzene	11.079	95	223495	50.647	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.300%	
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	472	Below Cal		97
6) Chloroethane	1.740	64	402	Below Cal	#	51
11) Tert butyl alcohol	2.959	59	1207	Below Cal	#	72
14) Allyl chloride	2.782	41	3911	0.906	ug/l #	72
16) Acetone	2.380	43	2658	1.737	ug/l #	75
17) Carbon Disulfide	2.526	76	9493	1.360	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	1901	0.537	ug/l	92
31) Cyclohexane	5.550	56	5893	1.191	ug/l #	6
36) 1,1-Dichloropropene	5.550	75	20422	4.339	ug/l #	50
38) Carbon Tetrachloride	5.556	117	28344	5.984	ug/l #	15
39) Methylcyclohexane	7.379	83	2912	0.539	ug/l #	63
43) Isopropyl Acetate	6.251	43	27580	3.586	ug/l #	56
48) Methyl methacrylate	7.781	41	1043	0.281	ug/l #	83
51) 4-Methyl-2-Pentanone	8.653	43	3261	0.644	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	3397	0.957	ug/l #	20
59) 2-Hexanone	9.452	43	941	0.239	ug/l #	49
73) Isopropylbenzene	10.963	105	3295	0.204	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.220	83	1798	0.325	ug/l #	34
76) 1,2,3-Trichloropropane	11.079	75	121401	24.363	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	121401	70.925	ug/l #	15
83) tert-Butylbenzene	11.713	119	7037	0.541	ug/l	84
84) 1,2,4-Trimethylbenzene	11.890	105	12331	0.915	ug/l #	31
85) sec-Butylbenzene	11.890	105	12331	0.768	ug/l #	56
86) p-Isopropyltoluene	12.177	119	7445	0.553	ug/l	86
90) Hexachloroethane	12.646	117	19885	9.126	ug/l #	10

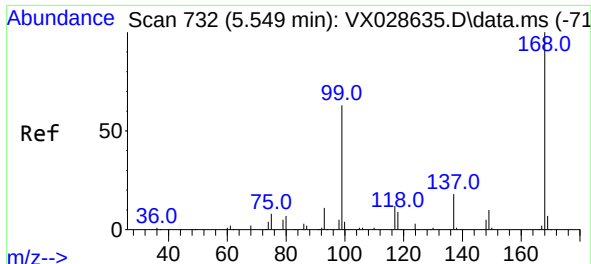
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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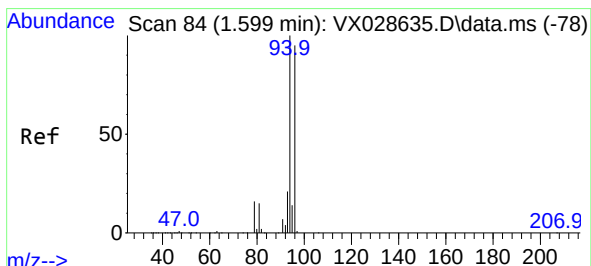
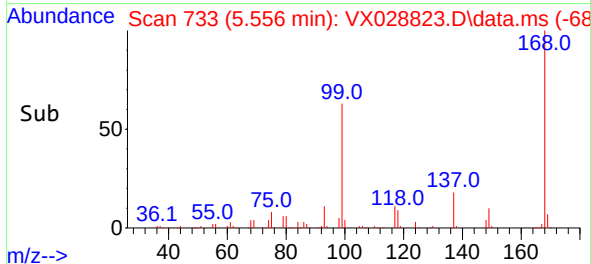
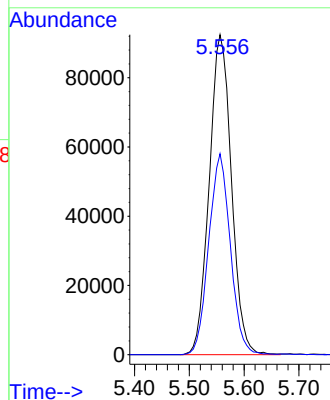
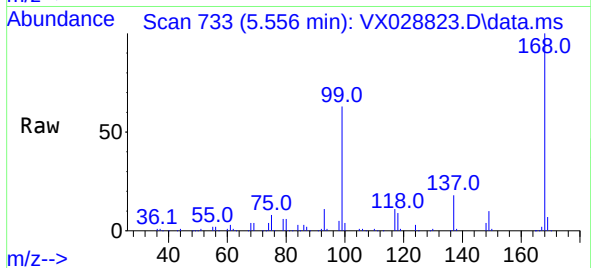




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

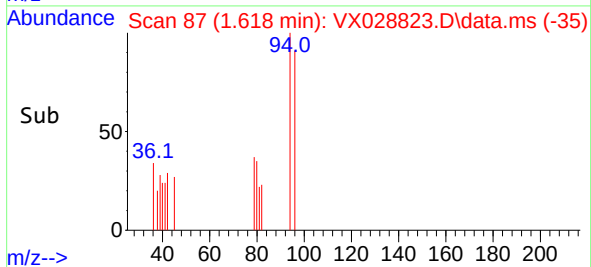
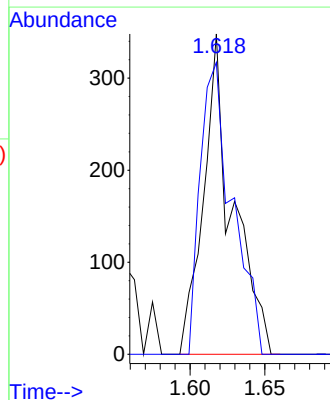
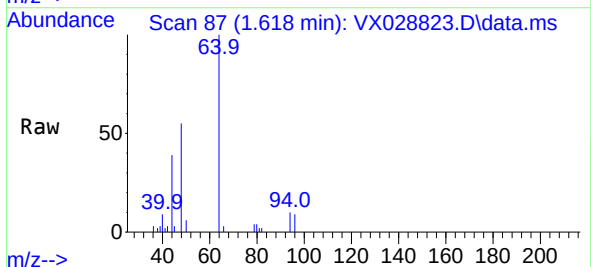
Instrument :
MSVOA_X
ClientSampleId :
30S-20220518

Tgt Ion:168 Resp: 260089
Ion Ratio Lower Upper
168 100
99 62.8 41.7 62.5#

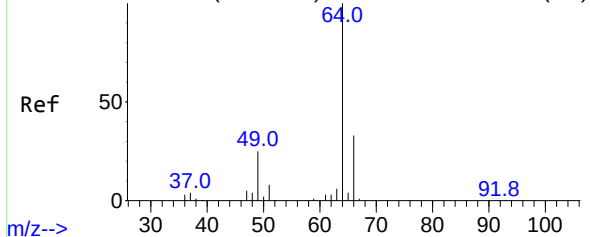


#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

Tgt Ion: 94 Resp: 472
Ion Ratio Lower Upper
94 100
96 91.1 75.3 112.9



Abundance Scan 97 (1.678 min): VX028635.D\data.ms (-90)

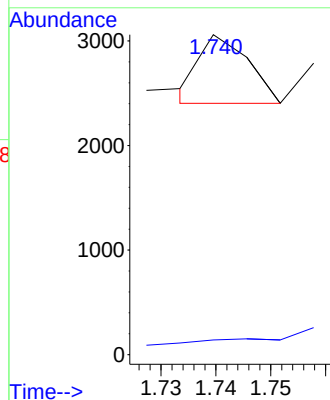
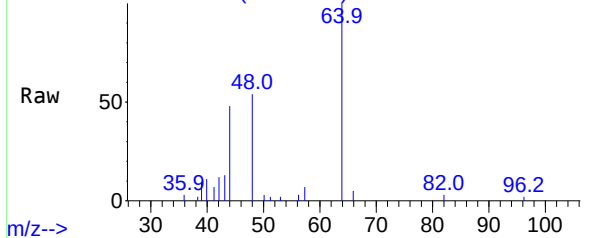


#6
Chloroethane
Concen: Below Cal
RT: 1.740 min Scan# 107
Delta R.T. 0.062 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

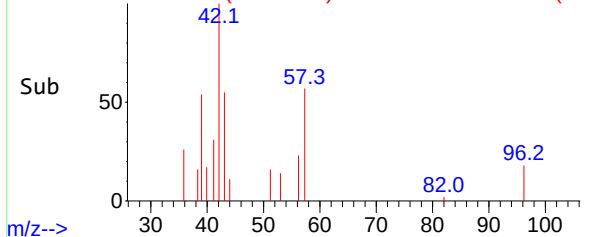
Instrument :
MSVOA_X
ClientSampleId :
30S-20220518

Tgt Ion: 64 Resp: 402
Ion Ratio Lower Upper
64 100
66 4.4 25.3 37.9#

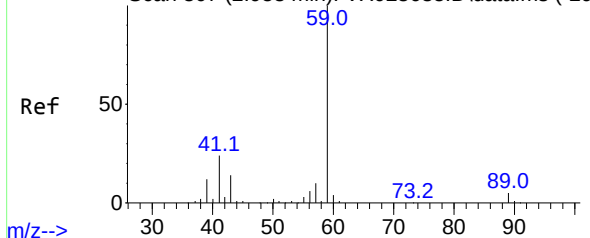
Abundance Scan 107 (1.740 min): VX028823.D\data.ms



Abundance Scan 107 (1.740 min): VX028823.D\data.ms (-48)



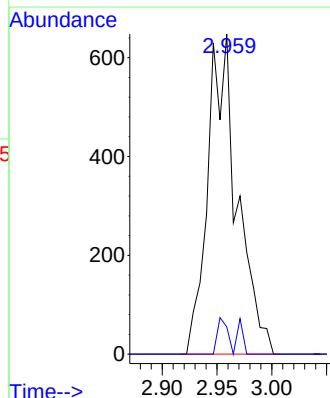
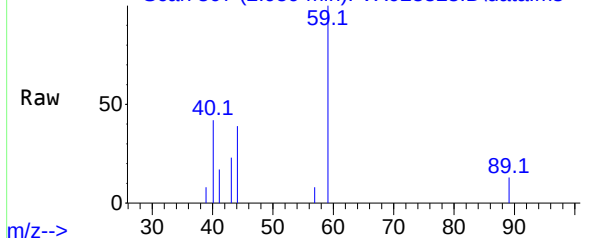
Abundance Scan 307 (2.958 min): VX028635.D\data.ms (-29)



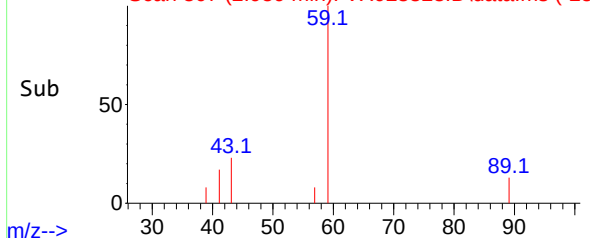
#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

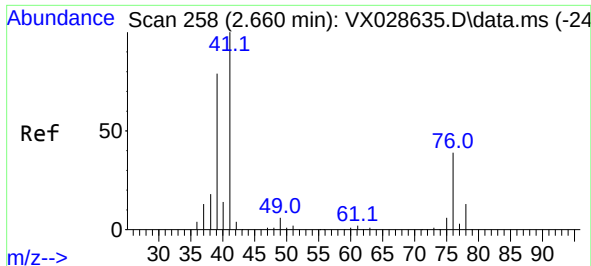
Tgt Ion: 59 Resp: 1207
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

Abundance Scan 307 (2.959 min): VX028823.D\data.ms



Abundance Scan 307 (2.959 min): VX028823.D\data.ms (-25)

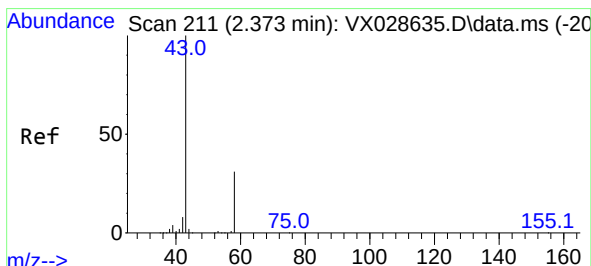
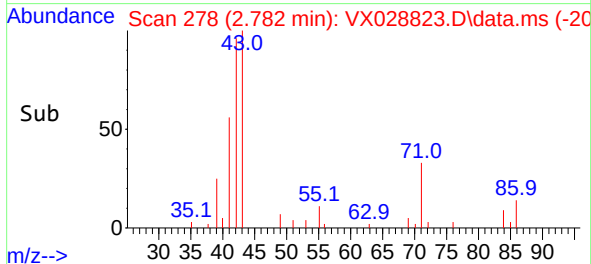
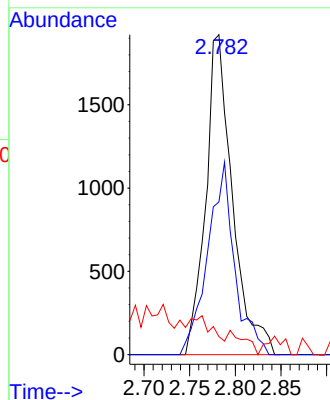
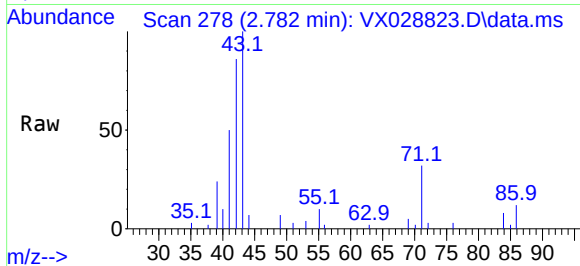




#14
 Allyl chloride
 Concen: 0.906 ug/l
 RT: 2.782 min Scan# 212
 Delta R.T. 0.122 min
 Lab File: VX028823.D
 Acq: 19 May 2022 14:23

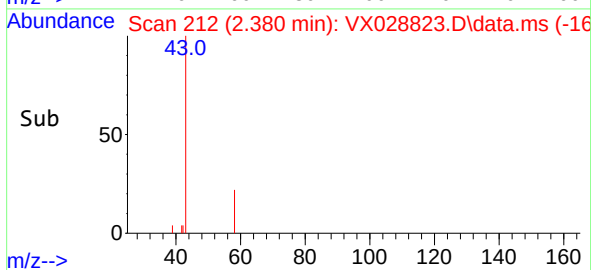
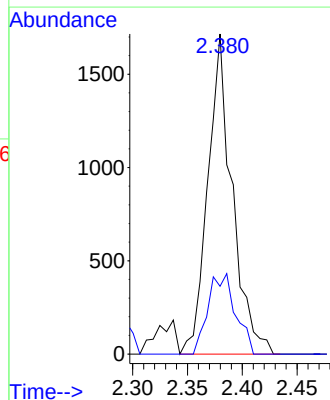
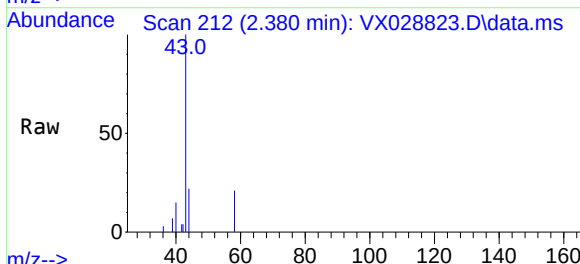
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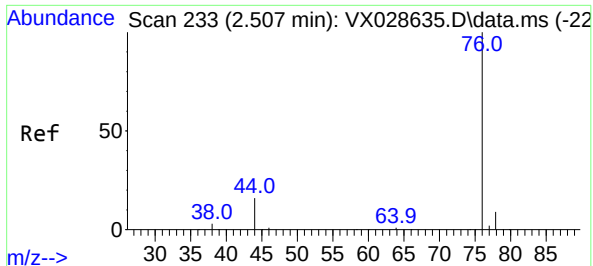
Tgt Ion: 41 Resp: 3911
 Ion Ratio Lower Upper
 41 100
 39 60.4 50.4 75.6
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 1.737 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. 0.007 min
 Lab File: VX028823.D
 Acq: 19 May 2022 14:23

Tgt Ion: 43 Resp: 2658
 Ion Ratio Lower Upper
 43 100
 58 21.2 28.8 43.2#

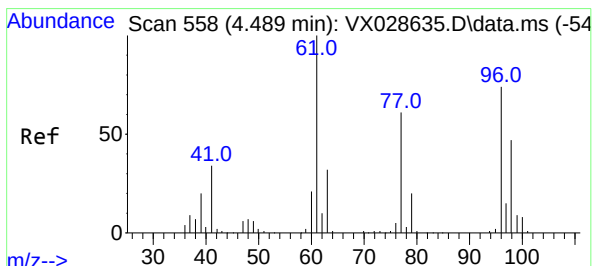
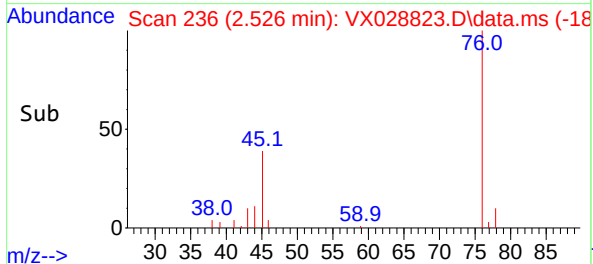
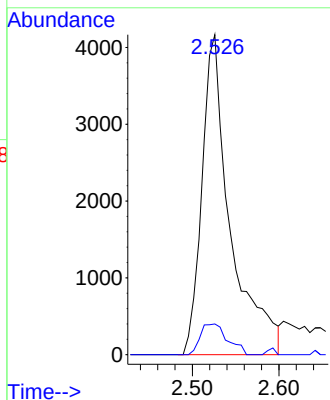
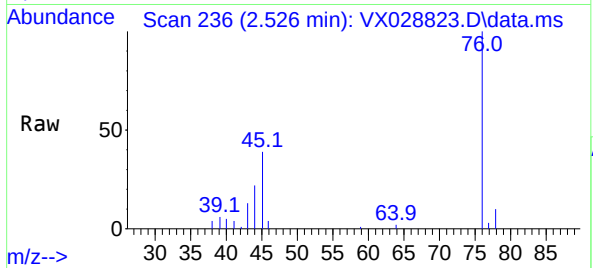




#17
Carbon Disulfide
Concen: 1.360 ug/l
RT: 2.526 min Scan# 21
Delta R.T. 0.019 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

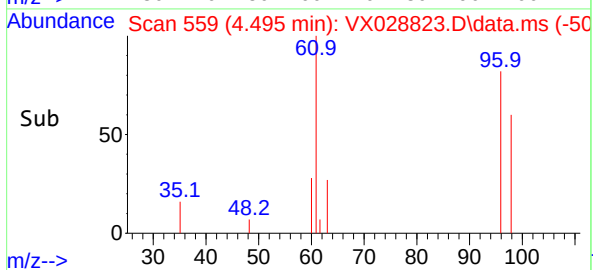
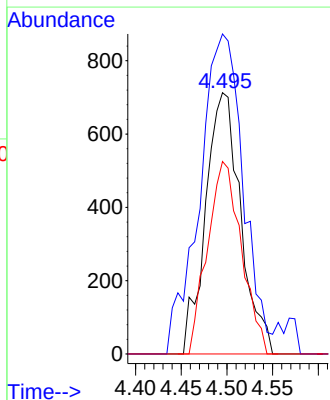
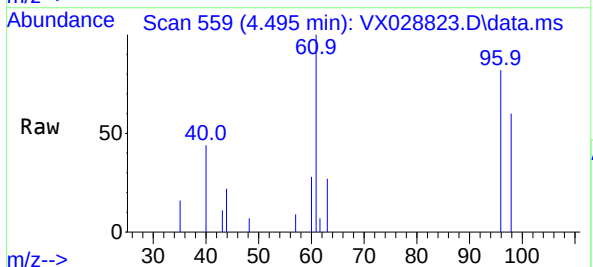
Instrument :
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ClientSampleId :
30S-20220518

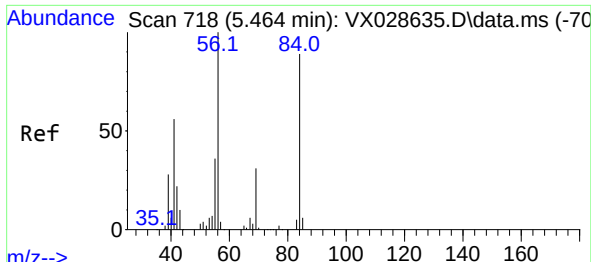
Tgt Ion: 76 Resp: 9493
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#27
cis-1,2-Dichloroethene
Concen: 0.537 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

Tgt Ion: 96 Resp: 1901
Ion Ratio Lower Upper
96 100
61 152.7 0.0 283.8
98 71.1 0.0 129.8

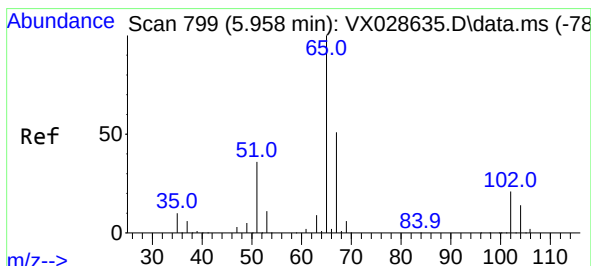
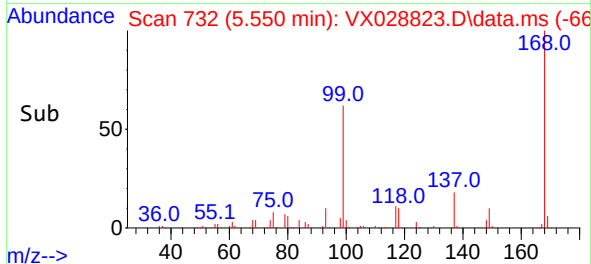
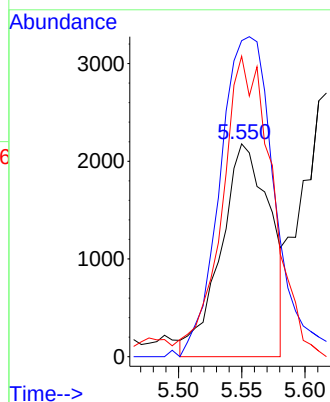
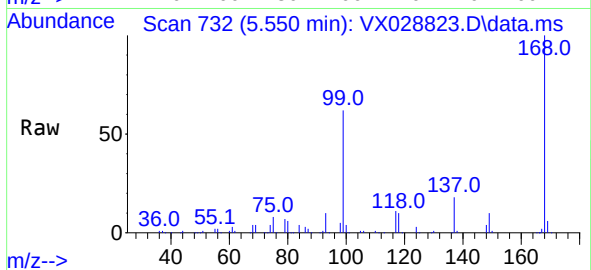




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

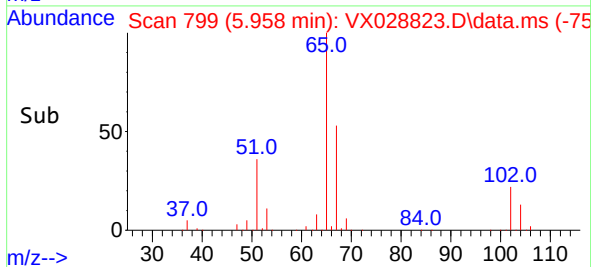
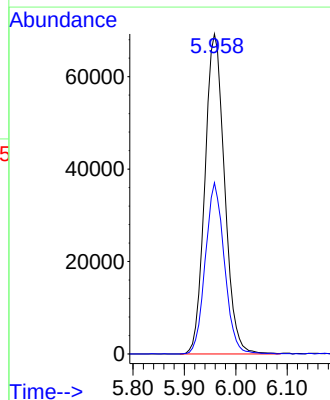
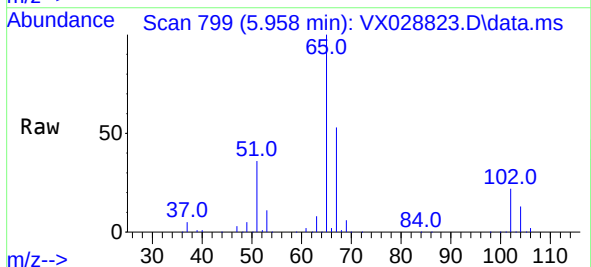
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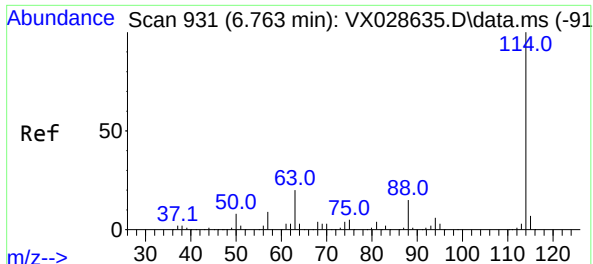
Tgt Ion: 56 Resp: 5893
Ion Ratio Lower Upper
56 100
69 160.9 26.7 40.1#
84 144.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 51.618 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

Tgt Ion: 65 Resp: 184031
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.4

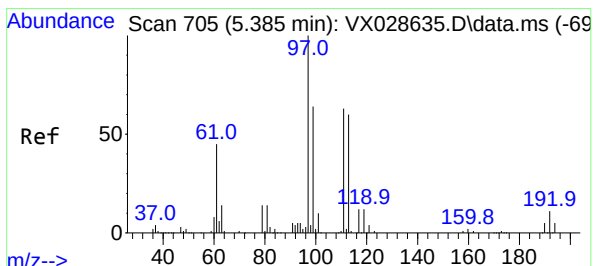
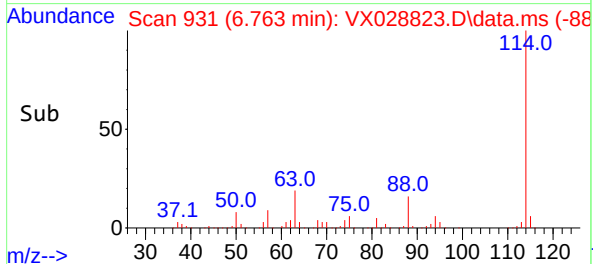
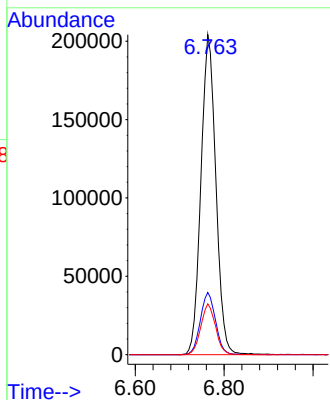
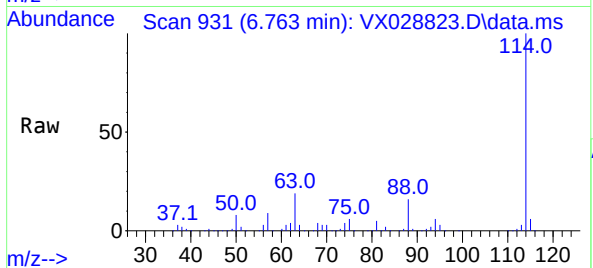




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

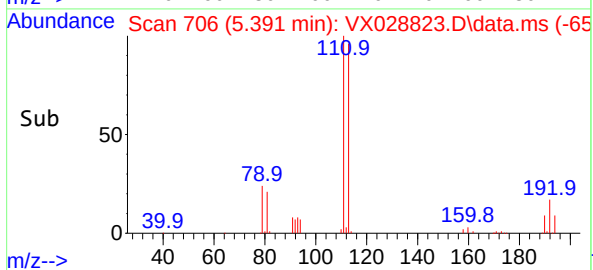
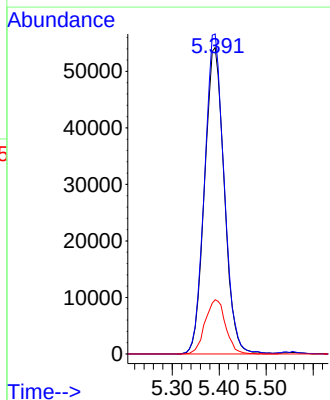
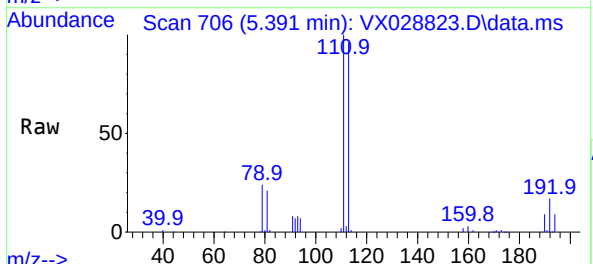
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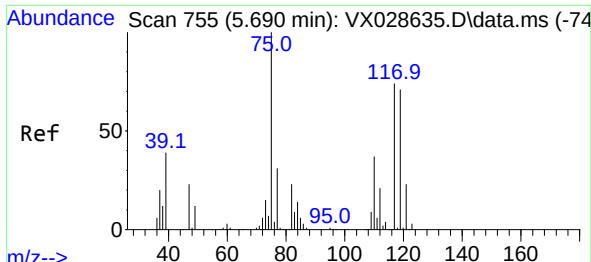
Tgt Ion:114 Resp: 478285
Ion Ratio Lower Upper
114 100
63 19.5 0.0 36.8
88 15.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.333 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

Tgt Ion:113 Resp: 157726
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 18.4 16.9 25.3

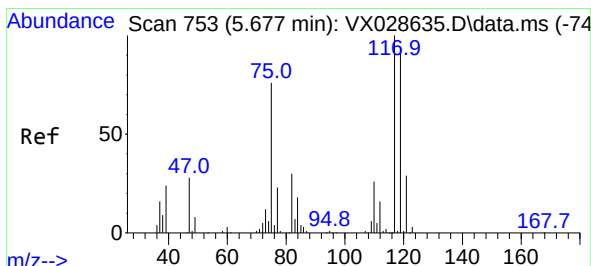
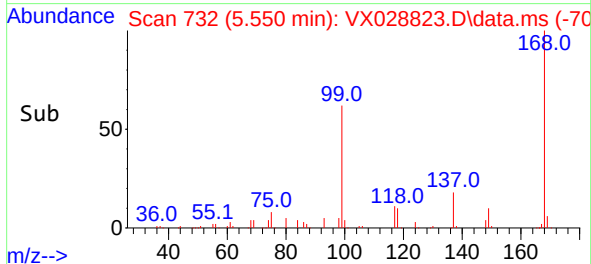
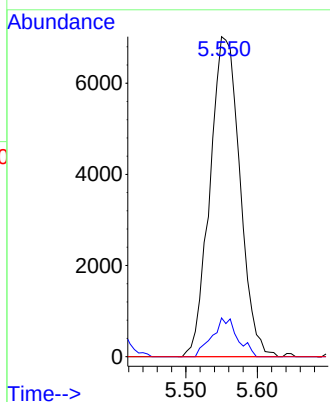
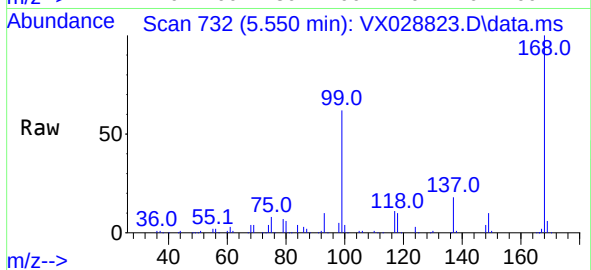




#36
1,1-Dichloropropene
Concen: 4.339 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

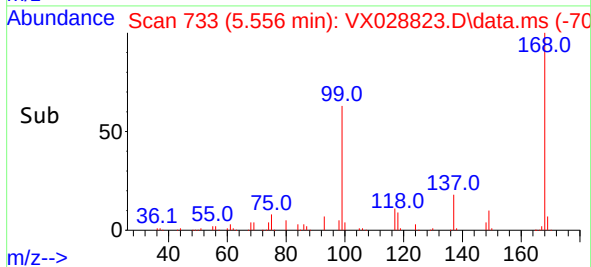
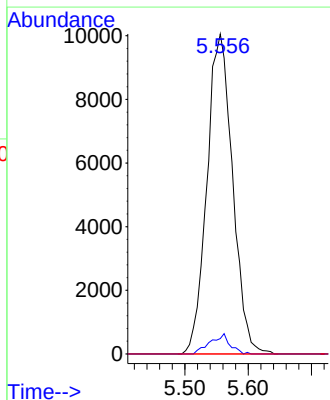
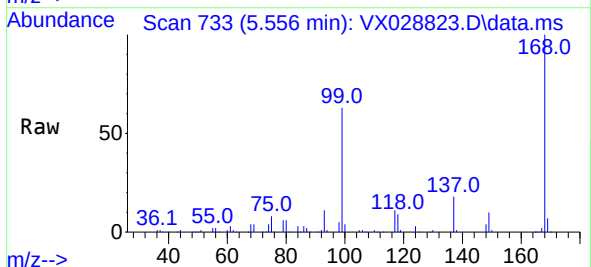
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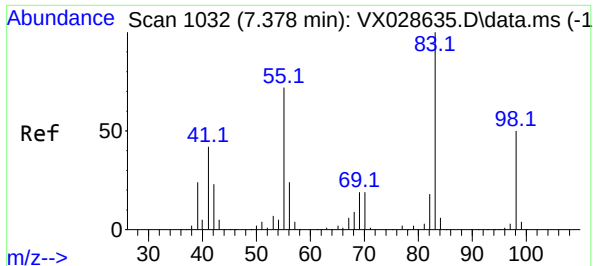
Tgt Ion: 75 Resp: 20422
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.984 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

Tgt Ion: 117 Resp: 28344
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.539 ug/l

RT: 7.379 min Scan# 1

Delta R.T. 0.001 min

Lab File: VX028823.D

Acq: 19 May 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

30S-20220518

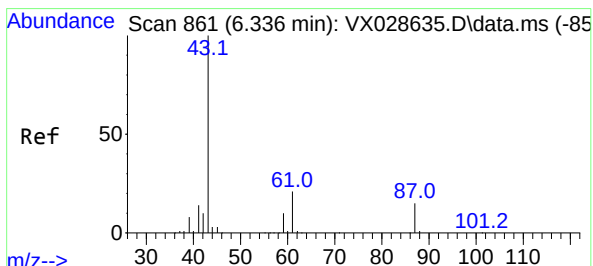
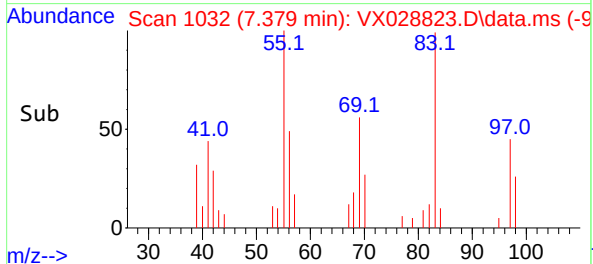
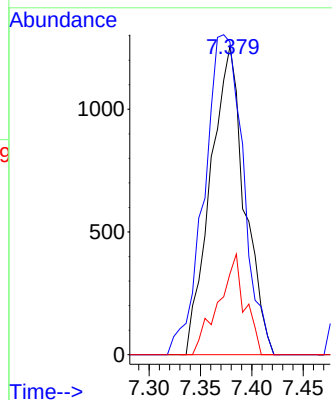
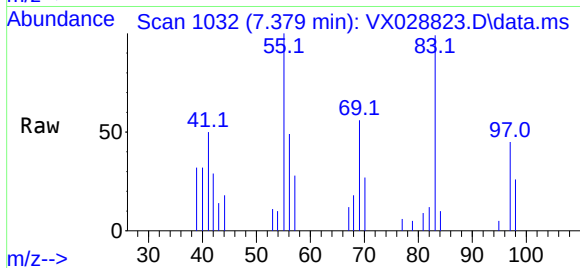
Tgt Ion: 83 Resp: 2912

Ion Ratio Lower Upper

83 100

55 101.4 54.6 81.8#

98 26.3 37.4 56.2#



#43

Isopropyl Acetate

Concen: 3.586 ug/l

RT: 6.251 min Scan# 847

Delta R.T. -0.085 min

Lab File: VX028823.D

Acq: 19 May 2022 14:23

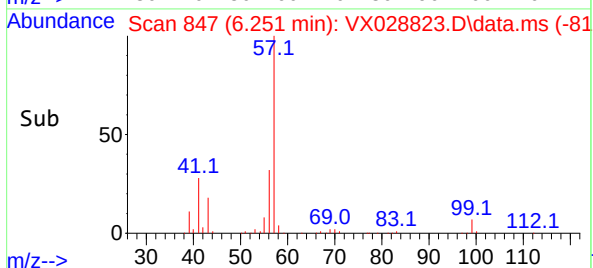
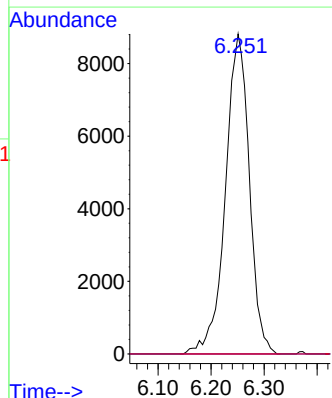
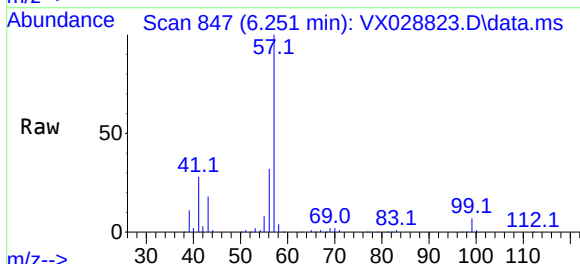
Tgt Ion: 43 Resp: 27580

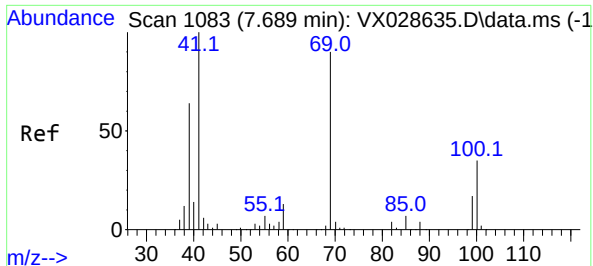
Ion Ratio Lower Upper

43 100

61 0.0 18.5 27.7#

87 0.0 13.0 19.6#





#48

Methyl methacrylate

Concen: 0.281 ug/l

RT: 7.781 min Scan# 1043

Delta R.T. 0.092 min

Lab File: VX028823.D

Acq: 19 May 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

30S-20220518

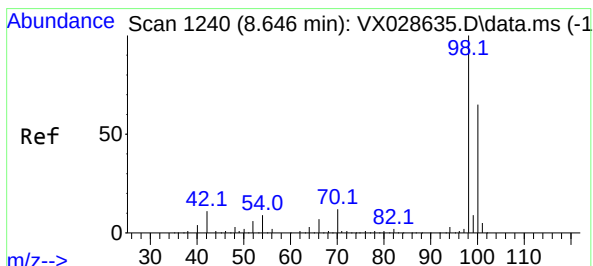
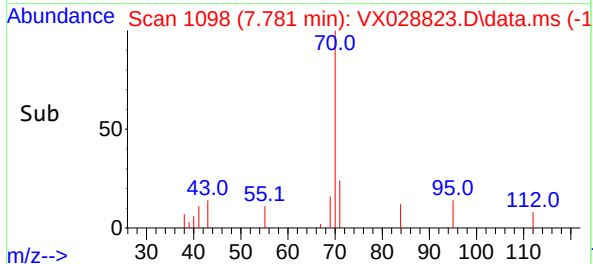
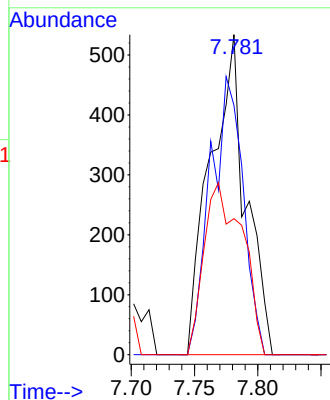
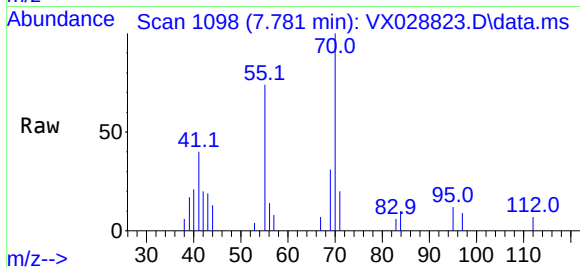
Tgt Ion: 41 Resp: 1043

Ion Ratio Lower Upper

41 100

69 79.8 82.5 123.7#

39 58.3 43.8 65.8



#50

Toluene-d8

Concen: 48.414 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028823.D

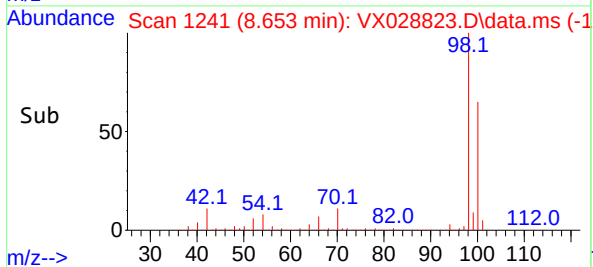
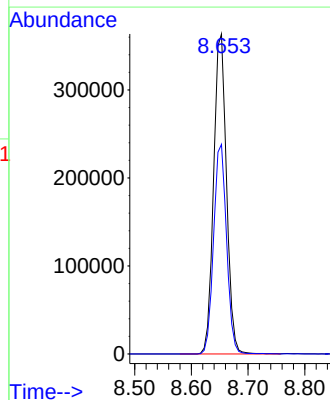
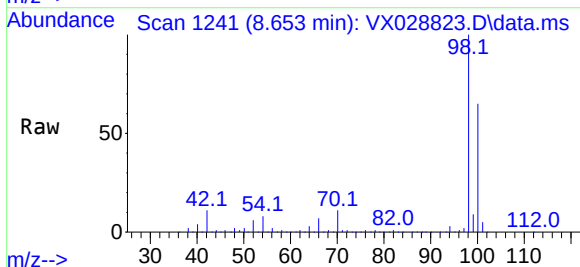
Acq: 19 May 2022 14:23

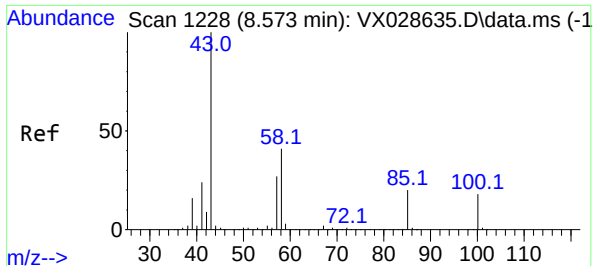
Tgt Ion: 98 Resp: 571981

Ion Ratio Lower Upper

98 100

100 66.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.644 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.080 min

Lab File: VX028823.D

Acq: 19 May 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

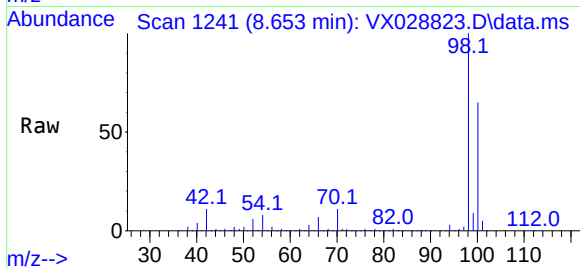
30S-20220518

Tgt Ion: 43 Resp: 3261

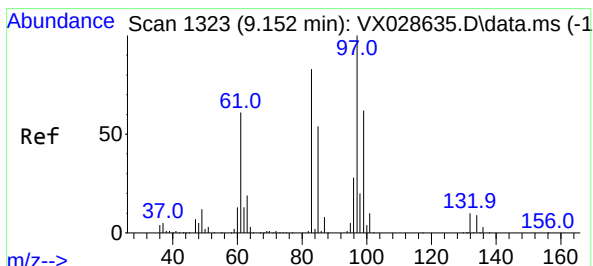
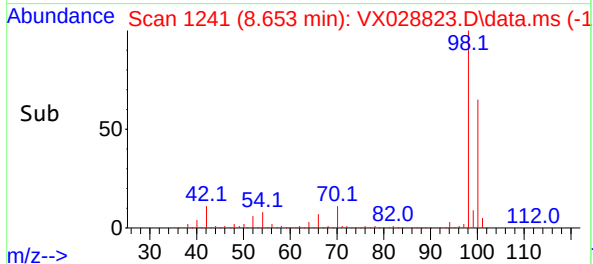
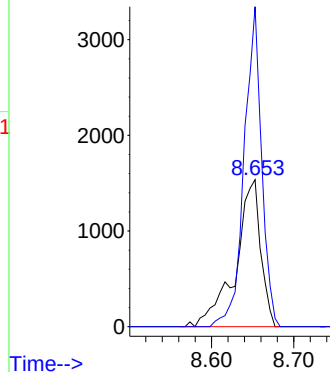
Ion Ratio Lower Upper

43 100

58 151.7 36.1 54.1#



Abundance



#55

1,1,2-Trichloroethane

Concen: 0.957 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.048 min

Lab File: VX028823.D

Acq: 19 May 2022 14:23

Tgt Ion: 97 Resp: 3397

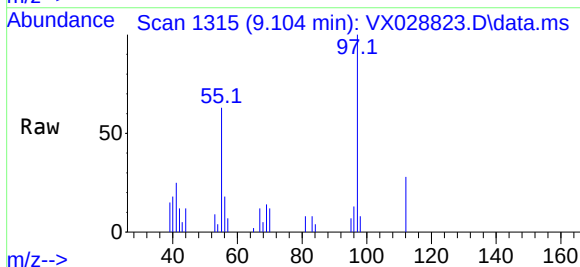
Ion Ratio Lower Upper

97 100

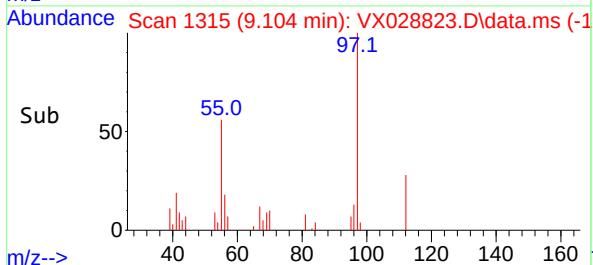
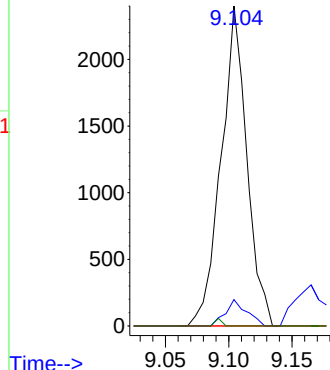
83 8.2 66.2 99.4#

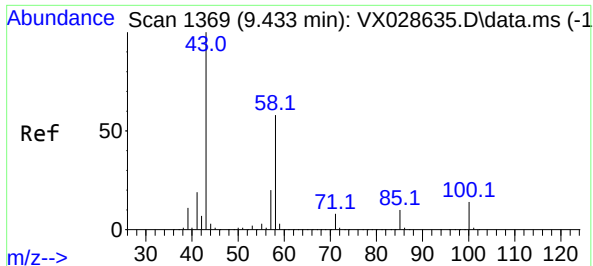
85 0.0 42.9 64.3#

99 0.0 49.0 73.6#



Abundance





#59

2-Hexanone

Concen: 0.239 ug/l

RT: 9.452 min Scan# 11

Delta R.T. 0.019 min

Lab File: VX028823.D

Acq: 19 May 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

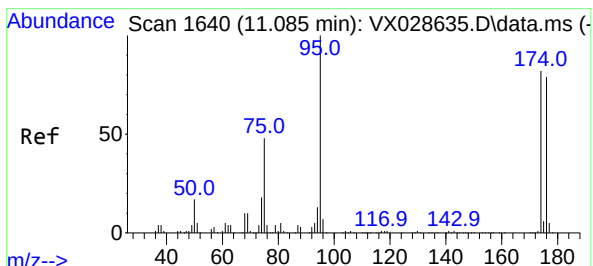
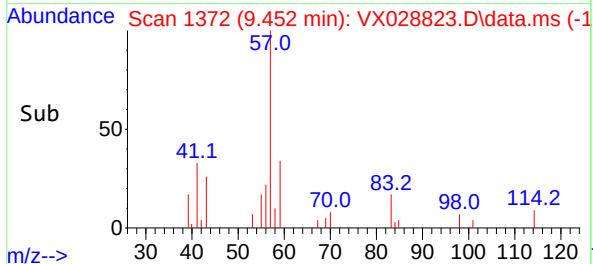
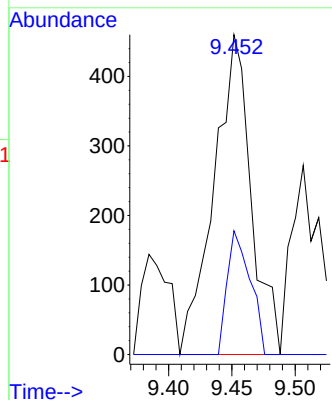
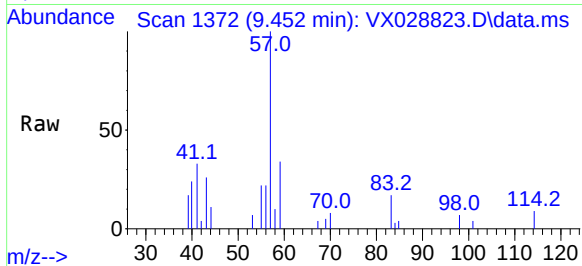
30S-20220518

Tgt Ion: 43 Resp: 941

Ion Ratio Lower Upper

43 100

58 23.9 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 50.647 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028823.D

Acq: 19 May 2022 14:23

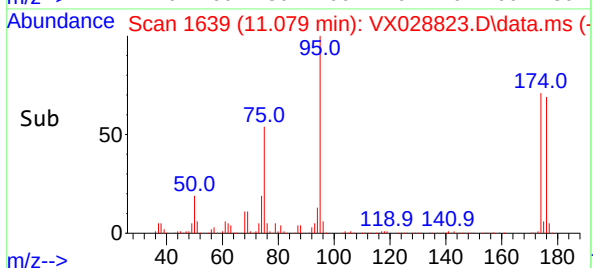
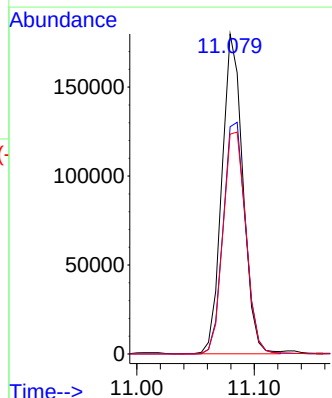
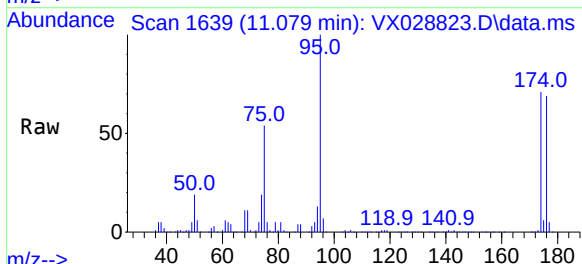
Tgt Ion: 95 Resp: 223495

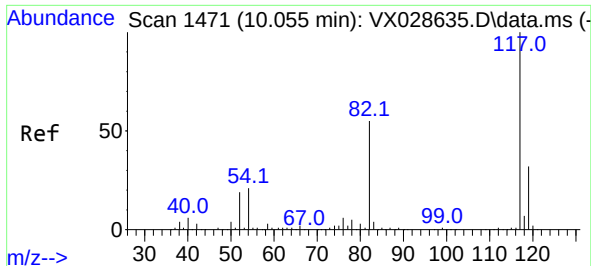
Ion Ratio Lower Upper

95 100

174 77.2 0.0 163.0

176 75.4 0.0 155.0

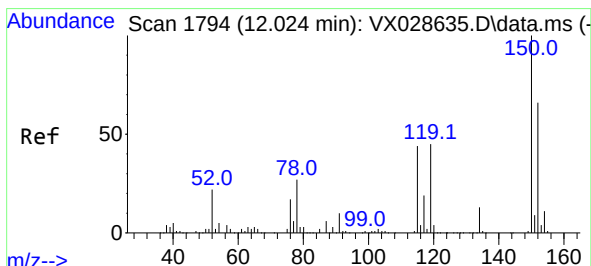
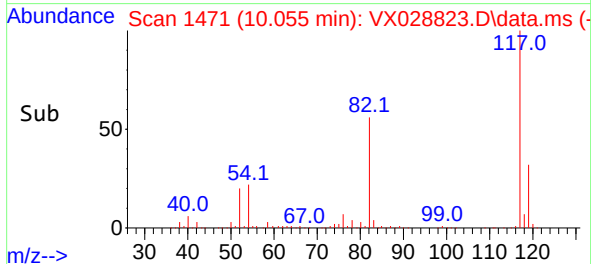
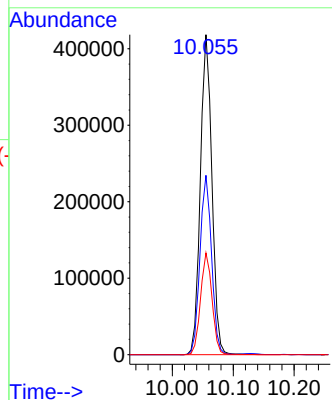
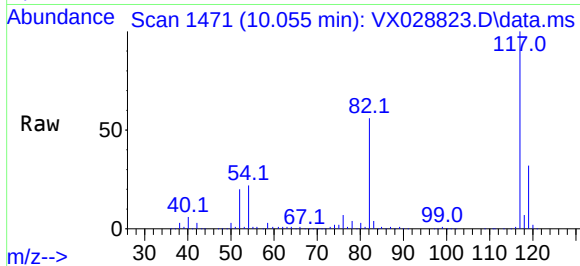




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

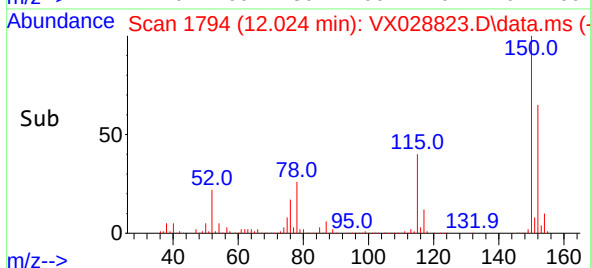
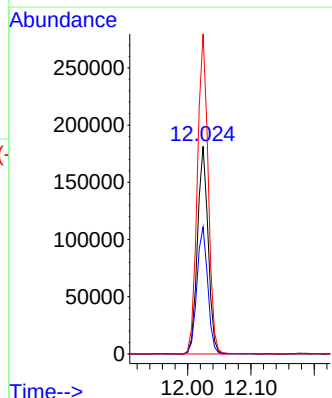
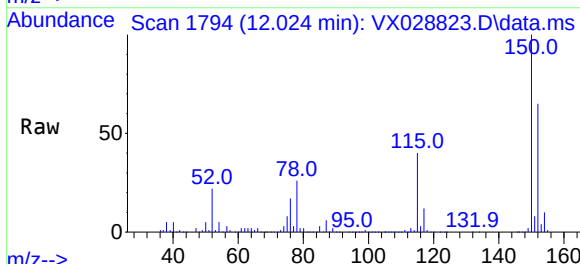
Instrument :
MSVOA_X
ClientSampleId :
30S-20220518

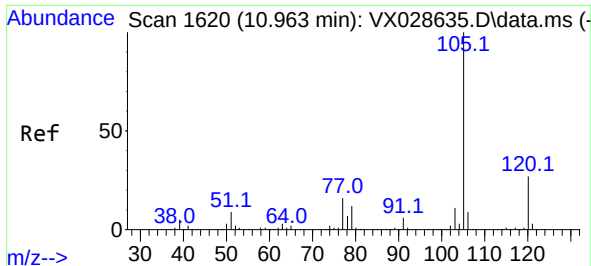
Tgt Ion:117 Resp: 549979
Ion Ratio Lower Upper
117 100
82 56.1 41.8 62.8
119 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

Tgt Ion:152 Resp: 212775
Ion Ratio Lower Upper
152 100
115 62.2 37.5 112.7
150 157.0 0.0 338.2

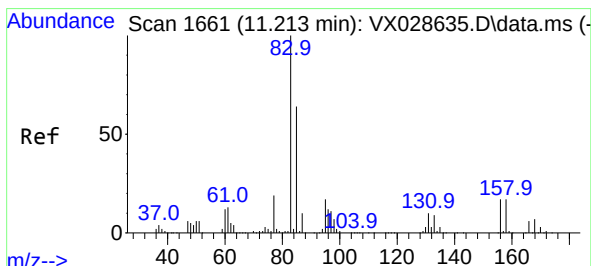
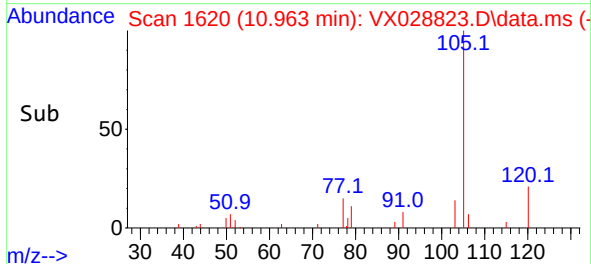
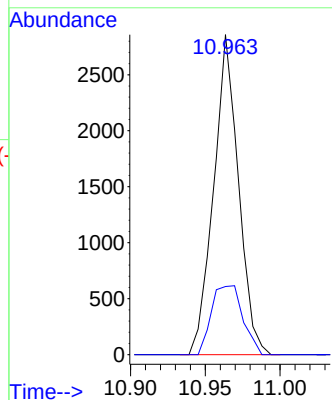
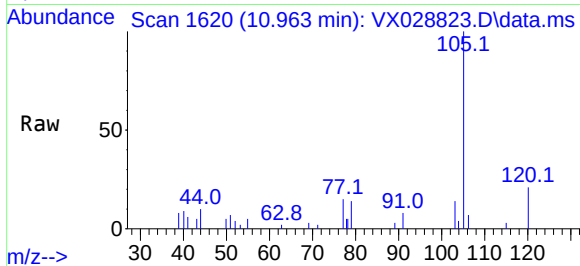




#73
Isopropylbenzene
Concen: 0.204 ug/l
RT: 10.963 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

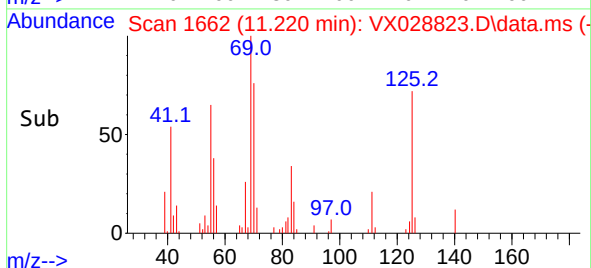
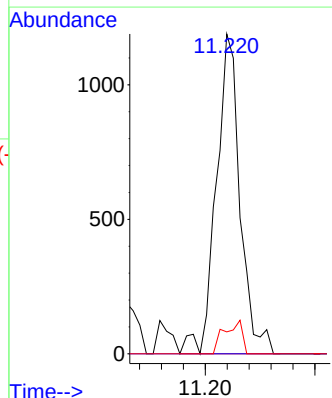
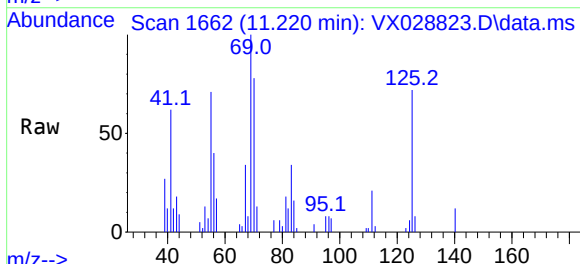
Instrument :
MSVOA_X
ClientSampleId :
30S-20220518

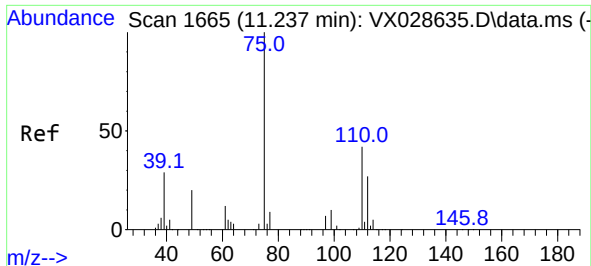
Tgt Ion:105 Resp: 3295
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.5



#75
1,1,2,2-Tetrachloroethane
Concen: 0.325 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.007 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

Tgt Ion: 83 Resp: 1798
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 7.9 32.6 97.7#

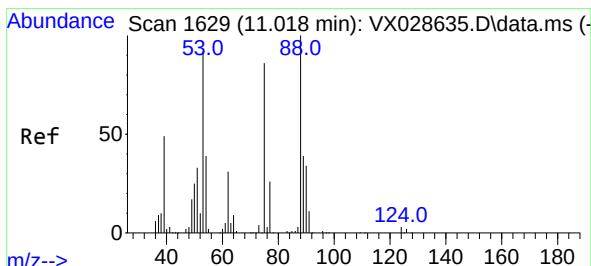
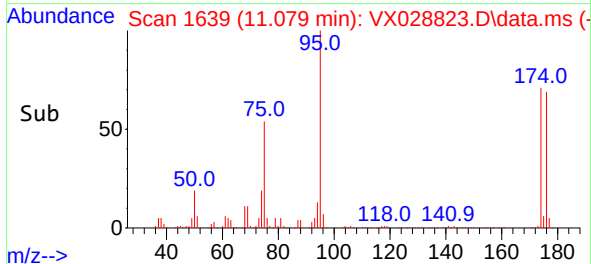
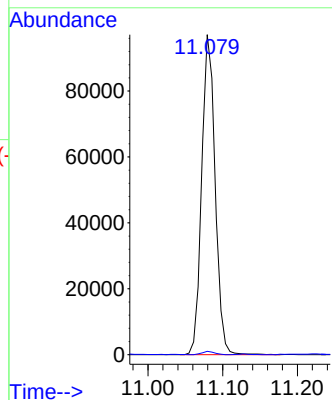
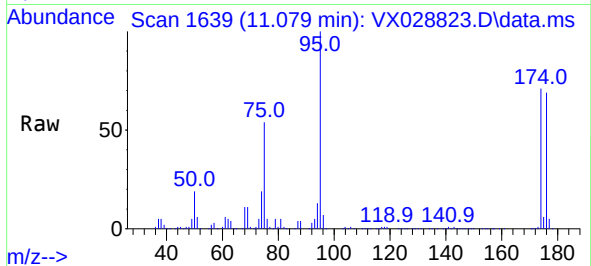




#76
1,2,3-Trichloropropane
Concen: 24.363 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

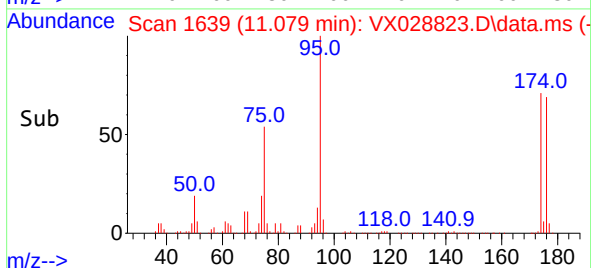
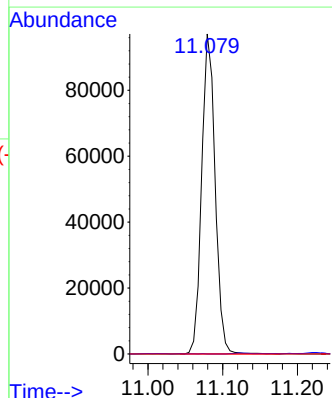
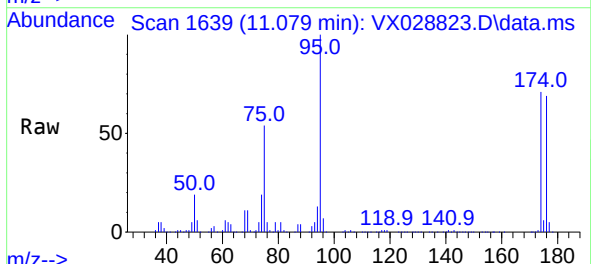
Instrument :
MSVOA_X
ClientSampleId :
30S-20220518

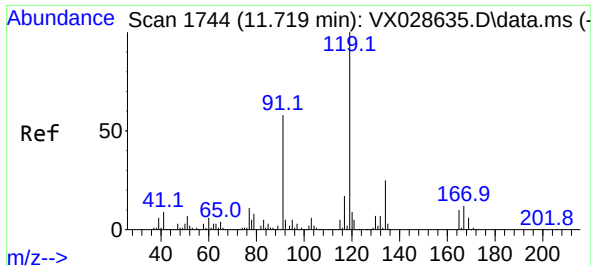
Tgt Ion: 75 Resp: 121401
Ion Ratio Lower Upper
75 100
77 0.9 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.925 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

Tgt Ion: 75 Resp: 121401
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

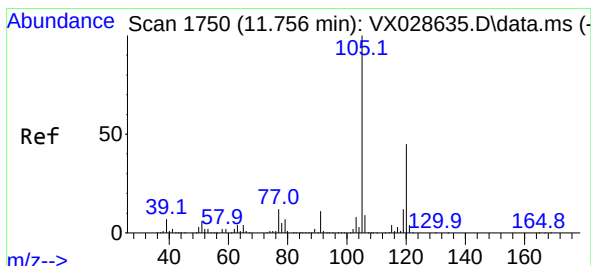
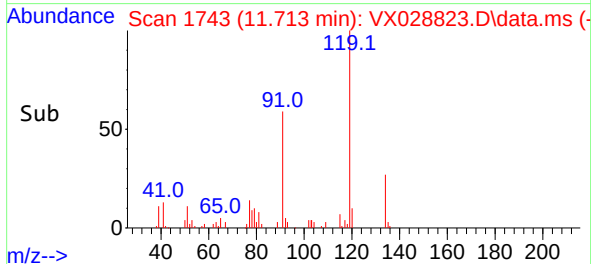
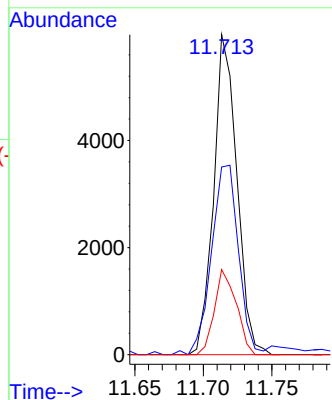
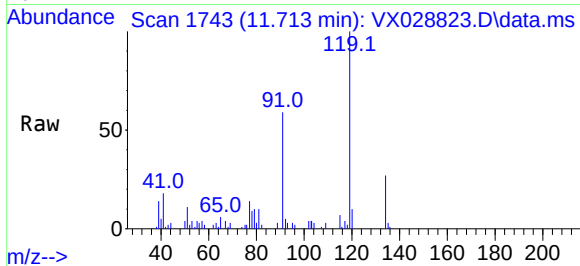




#83
tert-Butylbenzene
Concen: 0.541 ug/l
RT: 11.713 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

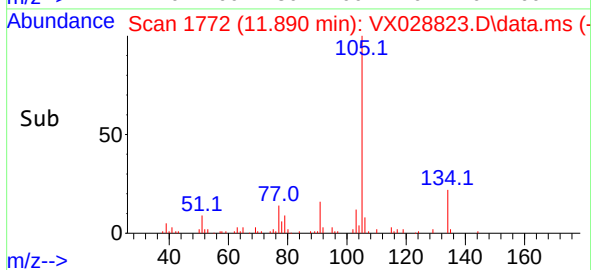
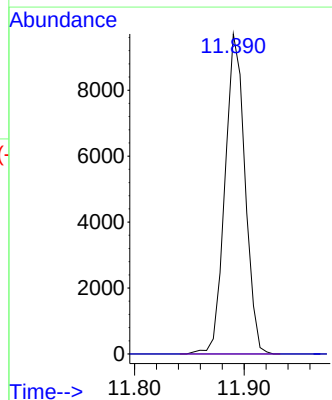
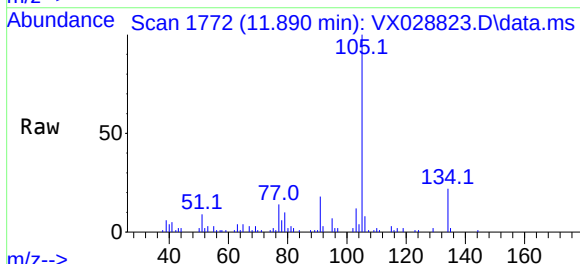
Instrument :
MSVOA_X
ClientSampleId :
30S-20220518

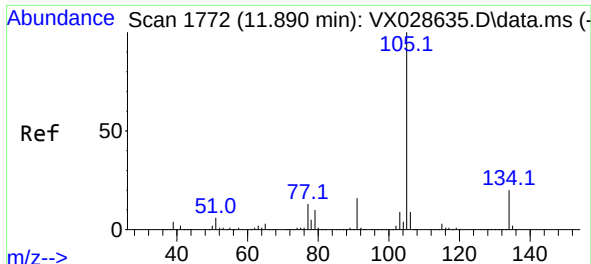
Tgt Ion:	119	Resp:	7037
Ion	Ratio	Lower	Upper
119	100		
91	68.8	26.9	80.6
134	25.0	11.4	34.2



#84
1,2,4-Trimethylbenzene
Concen: 0.915 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.134 min
Lab File: VX028823.D
Acq: 19 May 2022 14:23

Tgt Ion:	105	Resp:	12331
Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.6	67.8#

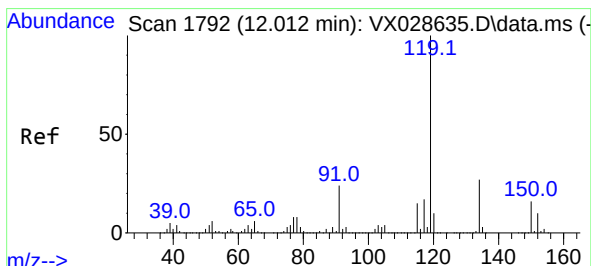
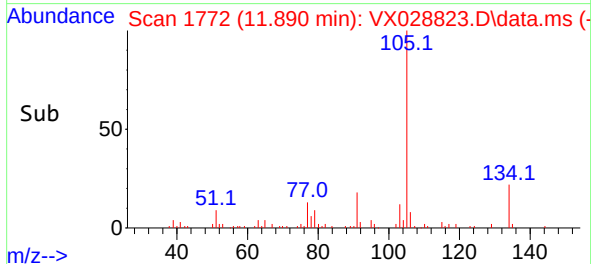
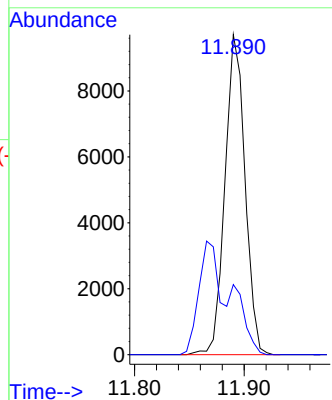
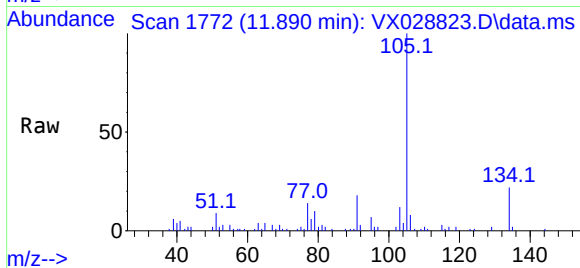




#85
 sec-Butylbenzene
 Concen: 0.768 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028823.D
 Acq: 19 May 2022 14:23

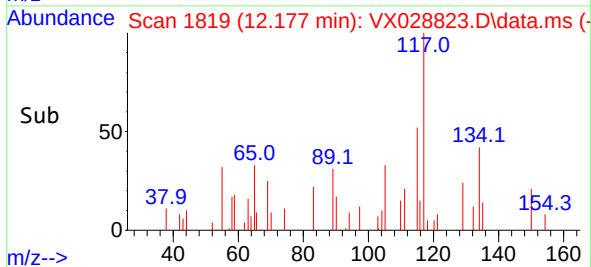
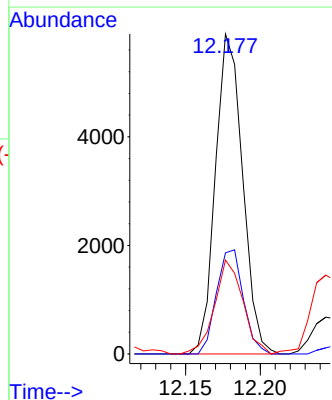
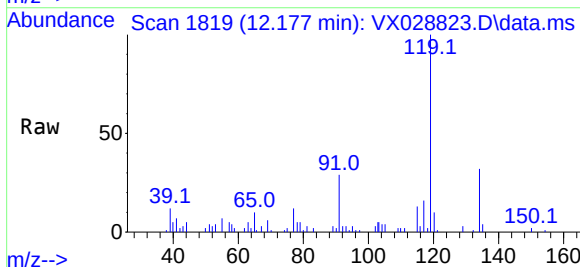
Instrument :
 MSVOA_X
 ClientSampleId :
 30S-20220518

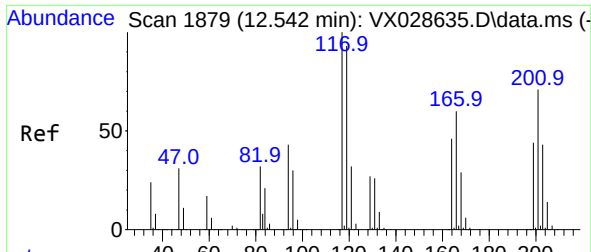
Tgt Ion:105 Resp: 12331
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 0.553 ug/l
 RT: 12.177 min Scan# 1819
 Delta R.T. 0.165 min
 Lab File: VX028823.D
 Acq: 19 May 2022 14:23

Tgt Ion:119 Resp: 7445
 Ion Ratio Lower Upper
 119 100
 134 32.1 13.0 39.0
 91 30.8 11.3 33.9





#90
 Hexachloroethane
 Concen: 9.126 ug/l
 RT: 12.646 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VX028823.D
 Acq: 19 May 2022 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 30S-20220518

Tgt Ion:117 Resp: 19885
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#

