

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028557.D
 Acq On : 06 May 2022 18:05
 Operator : JC/MD
 Sample : N2723-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MMC-PIT1

Quant Time: May 07 06:05:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

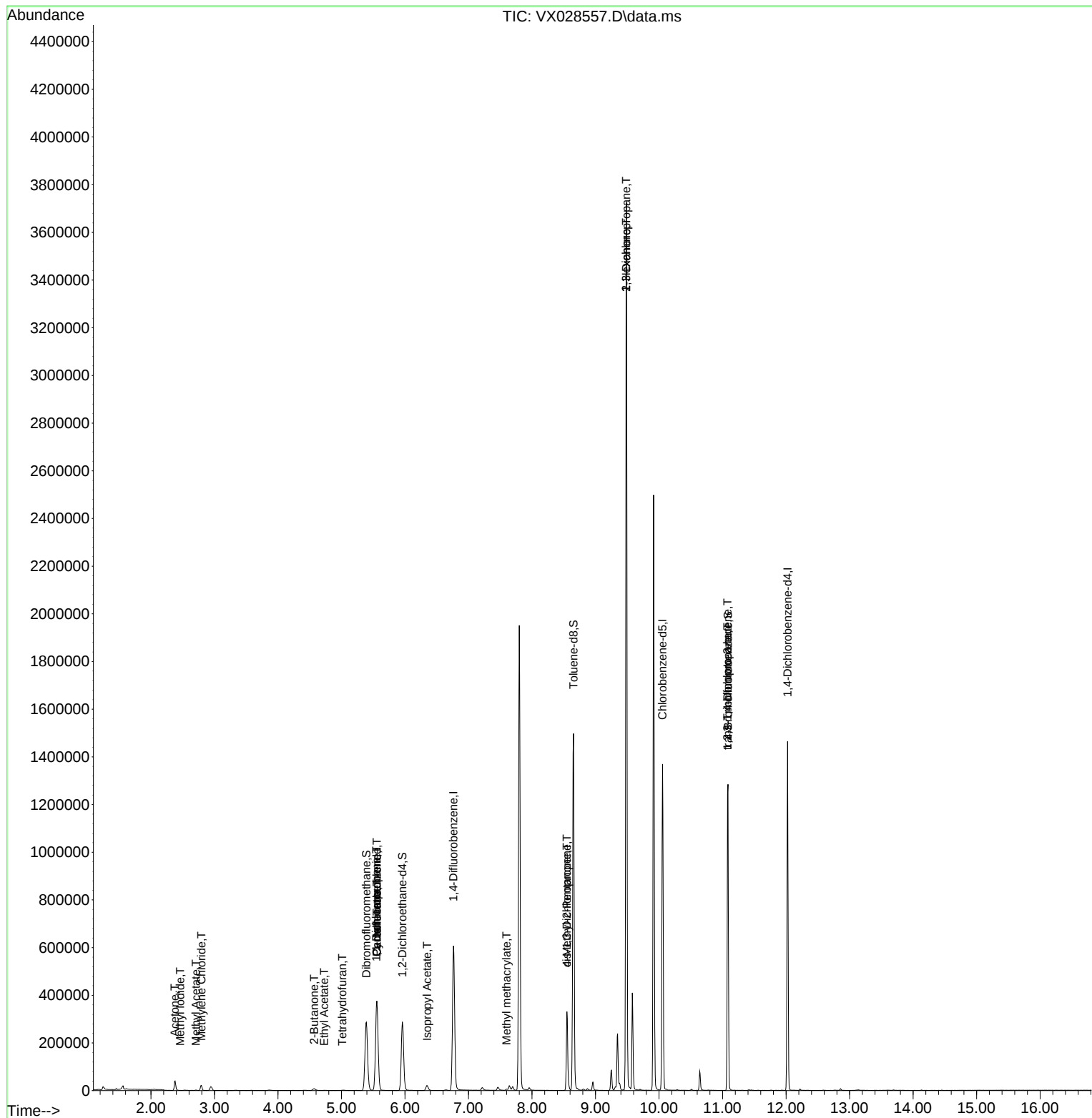
Internal Standards						
1) Pentafluorobenzene	5.556	168	368864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	644036	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	637539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	292830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	272343	56.625	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	113.260%
35) Dibromofluoromethane	5.391	113	249356	55.209	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	110.420%
50) Toluene-d8	8.653	98	917213	52.874	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.740%
62) 4-Bromofluorobenzene	11.085	95	330104	49.768	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.540%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	287	Below Cal		95
5) Bromomethane	1.617	94	952	Below Cal	#	75
6) Chloroethane	1.642	64	552	Below Cal	#	43
8) Diethyl Ether	2.136	74	43	Below Cal	#	1
10) Methyl Iodide	2.459	142	234	5.286	ug/l #	51
16) Acetone	2.373	43	43419	28.319	ug/l	92
18) Methyl Acetate	2.709	43	2436	0.570	ug/l #	81
20) Methylene Chloride	2.794	84	10479	2.936	ug/l	90
25) 2-Butanone	4.568	43	8289	2.910	ug/l	92
29) Tetrahydrofuran	5.013	42	500	0.269	ug/l #	43
31) Cyclohexane	5.556	56	7019	1.198	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	27025	4.587	ug/l #	50
37) Ethyl Acetate	4.727	43	1256	0.210	ug/l #	76
38) Carbon Tetrachloride	5.556	117	36523	5.492	ug/l #	15
43) Isopropyl Acetate	6.348	43	28246	2.903	ug/l	97
48) Methyl methacrylate	7.598	41	7708	1.726	ug/l #	7
51) 4-Methyl-2-Pentanone	8.549	43	107050	17.146	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	56037	7.715	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	36095	4.594	ug/l #	43
59) 2-Hexanone	9.482	43	411364	85.059	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	166908	28.962	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	166908	86.066	ug/l #	15

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

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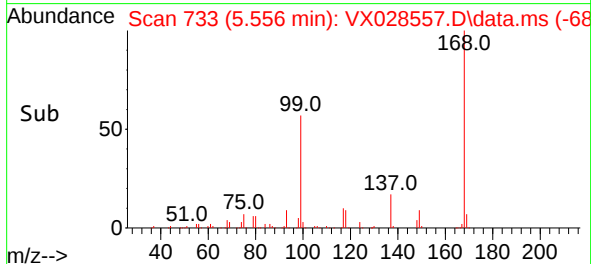
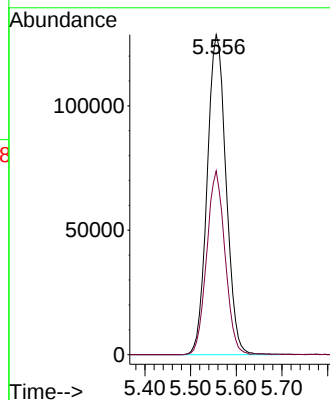
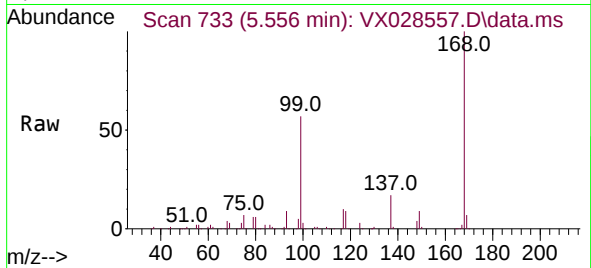




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

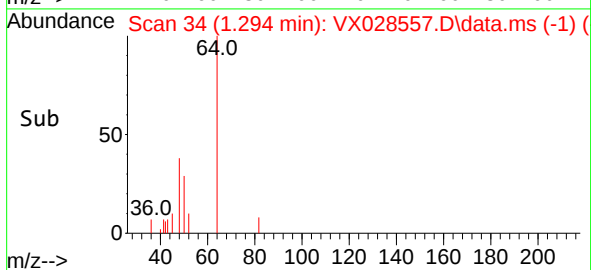
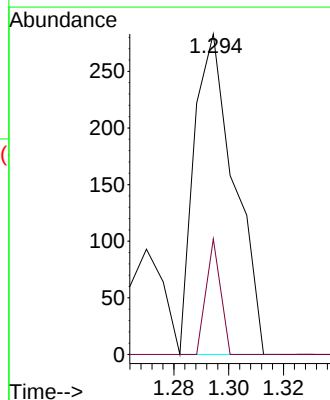
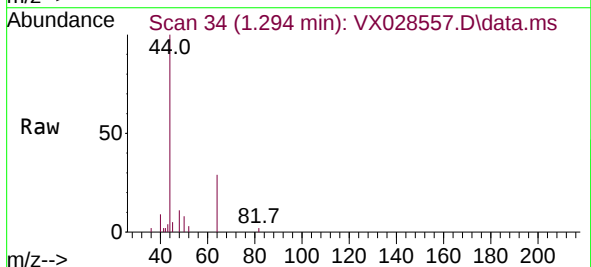
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT1

Tgt Ion:168 Resp: 368864
Ion Ratio Lower Upper
168 100
99 57.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

Tgt Ion: 50 Resp: 287
Ion Ratio Lower Upper
50 100
52 36.0 26.4 39.6

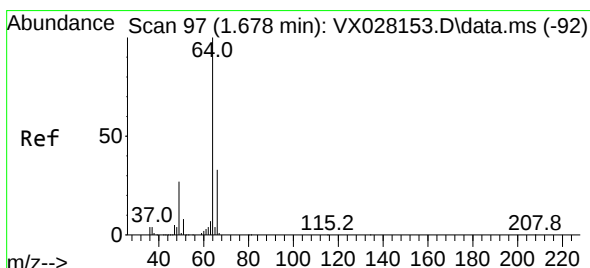
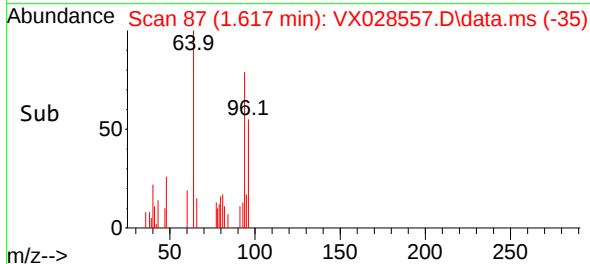
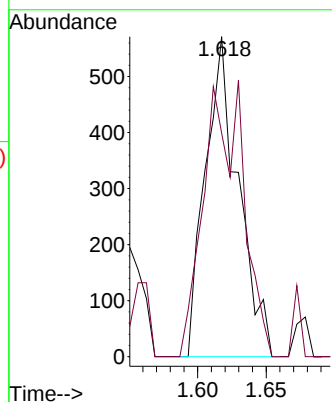
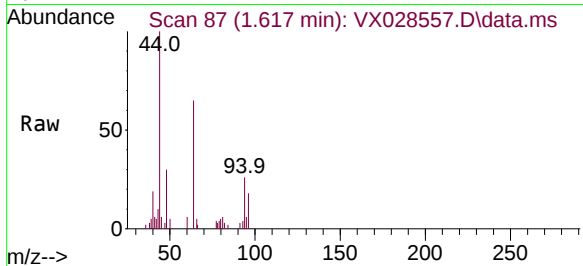




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

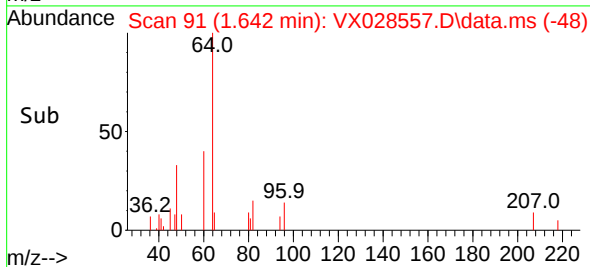
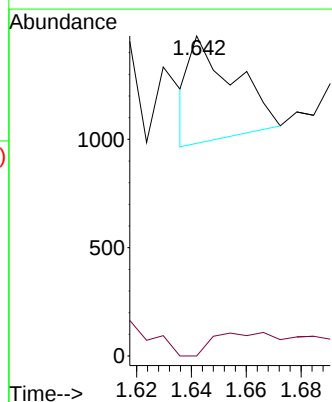
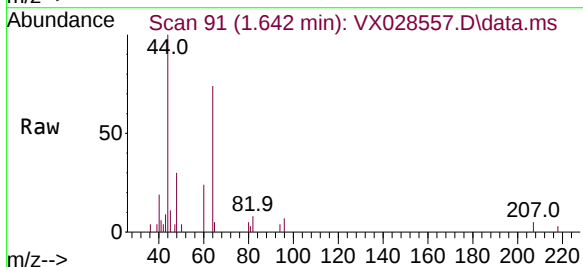
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT1

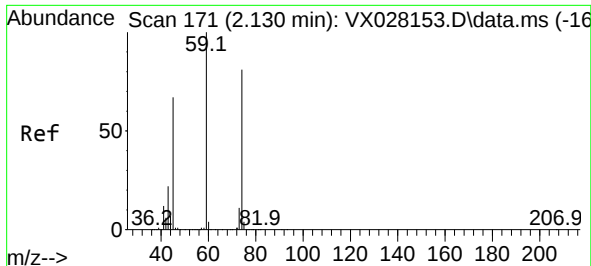
Tgt Ion: 94 Resp: 952
Ion Ratio Lower Upper
94 100
96 69.9 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

Tgt Ion: 64 Resp: 552
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

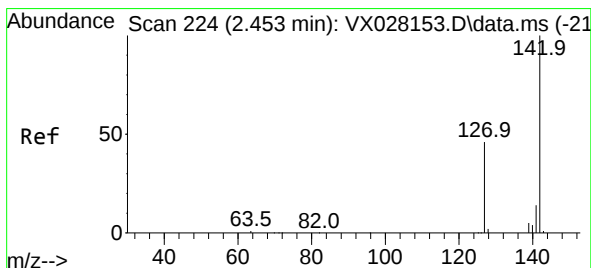
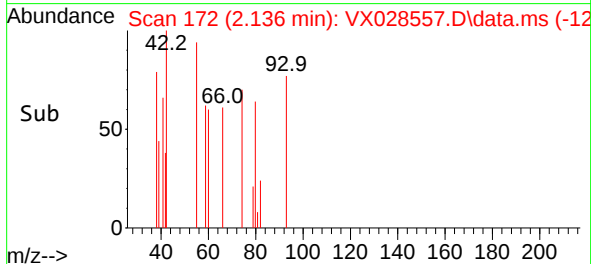
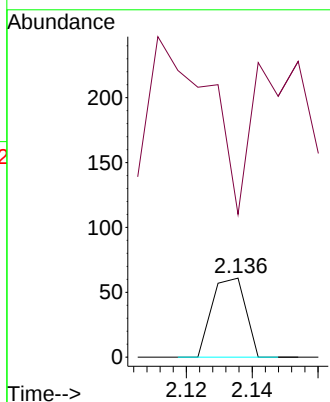
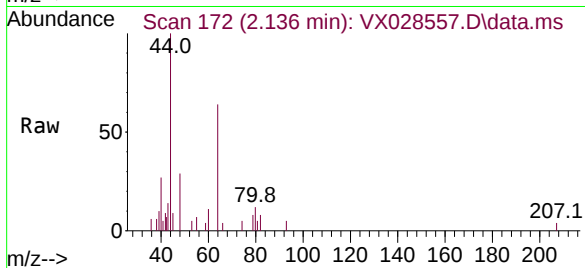




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

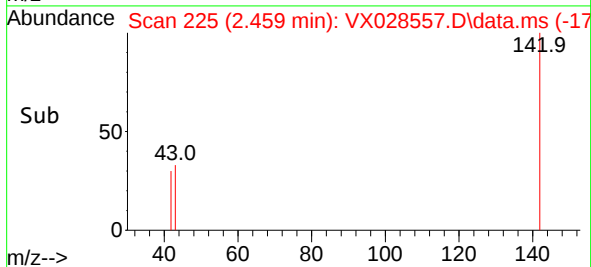
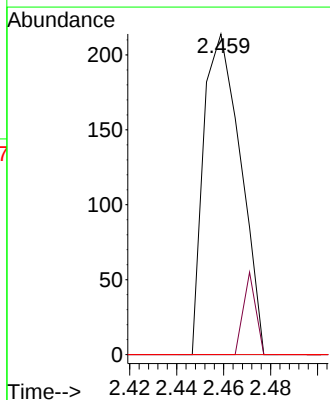
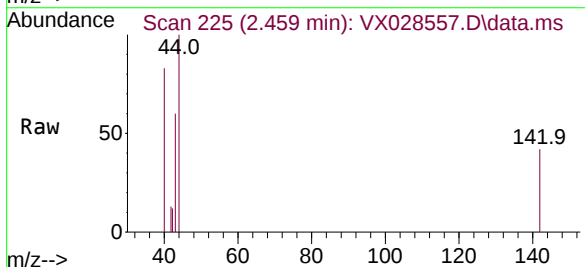
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT1

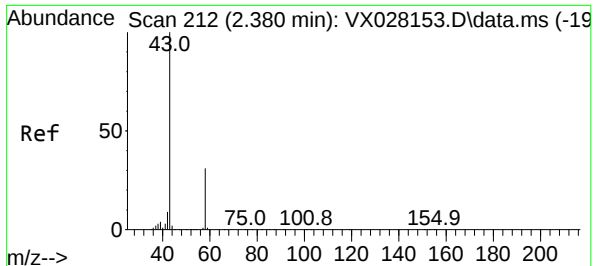
Tgt Ion: 74 Resp: 43
Ion Ratio Lower Upper
74 100
45 848.8 42.0 126.0#



#10
Methyl Iodide
Concen: 5.286 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

Tgt Ion: 142 Resp: 234
Ion Ratio Lower Upper
142 100
127 8.5 33.9 50.9#
141 0.0 11.4 17.2#

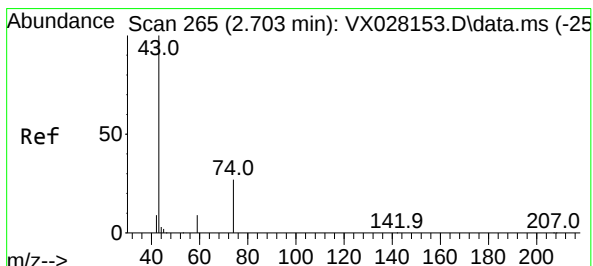
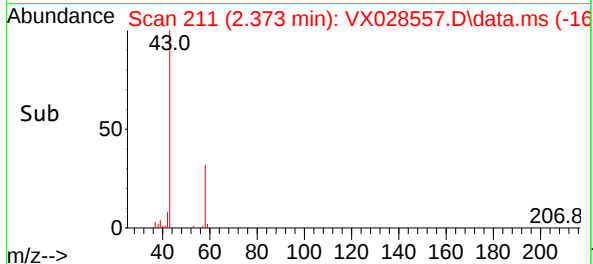
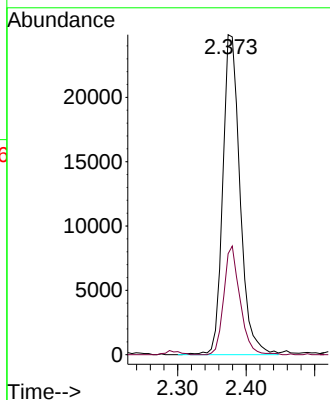
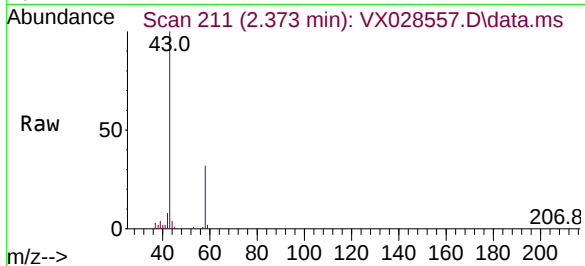




#16
Acetone
Concen: 28.319 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

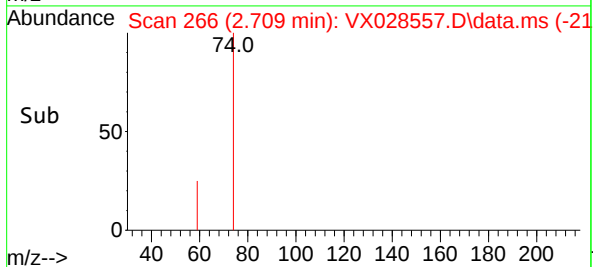
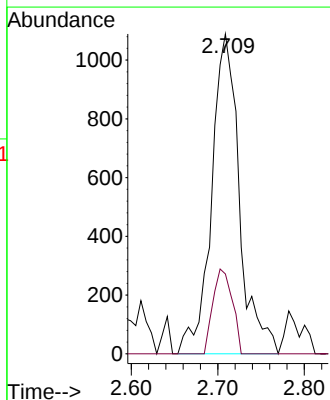
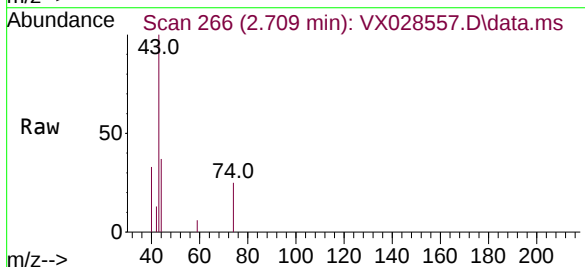
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT1

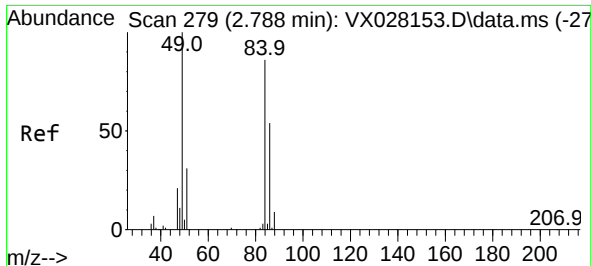
Tgt Ion: 43 Resp: 43419
Ion Ratio Lower Upper
43 100
58 31.2 28.8 43.2



#18
Methyl Acetate
Concen: 0.570 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

Tgt Ion: 43 Resp: 2436
Ion Ratio Lower Upper
43 100
74 18.4 22.8 34.2#

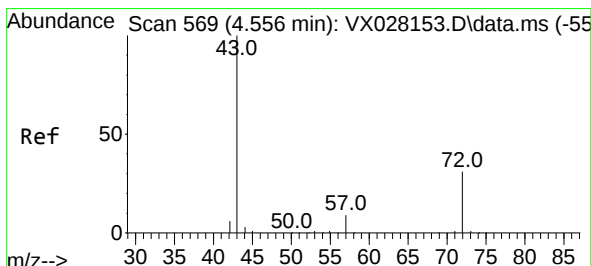
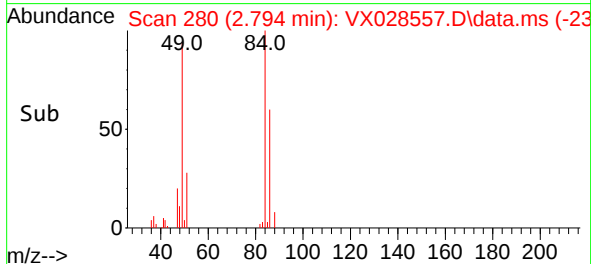
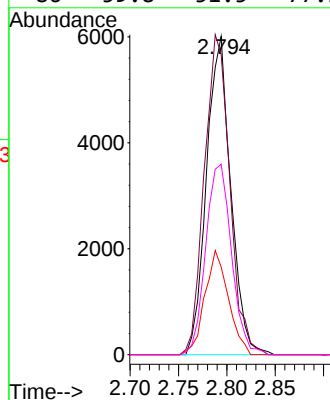
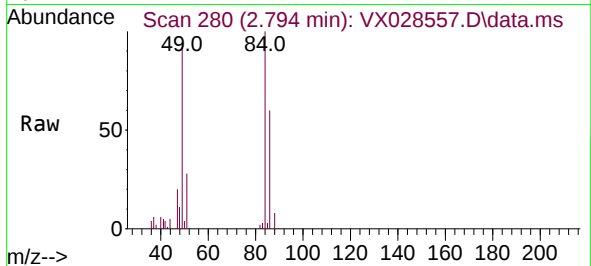




#20
Methylene Chloride
Concen: 2.936 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

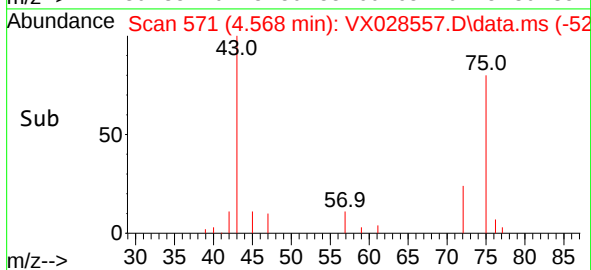
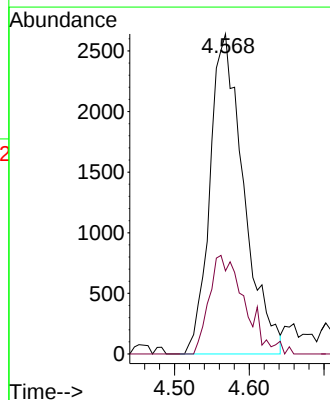
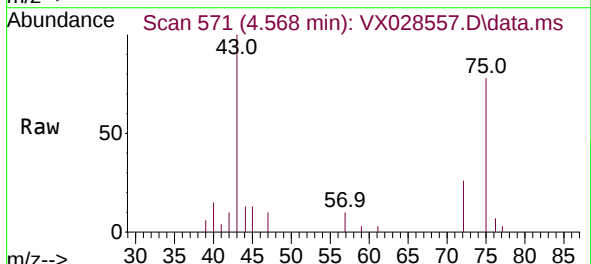
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT1

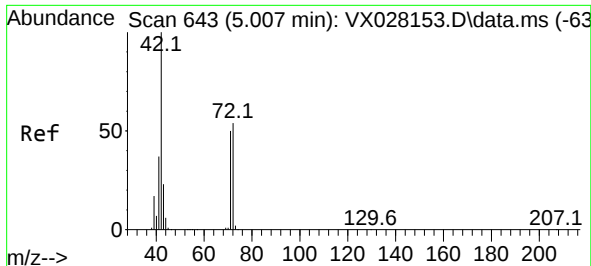
Tgt Ion:	84	Resp:	10479
Ion	Ratio	Lower	Upper
84	100		
49	94.3	85.5	128.3
51	27.5	26.6	39.8
86	59.8	51.5	77.3



#25
2-Butanone
Concen: 2.910 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

Tgt Ion:	43	Resp:	8289
Ion	Ratio	Lower	Upper
43	100		
72	25.9	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.269 ug/l

RT: 5.013 min Scan# 643

Delta R.T. 0.006 min

Lab File: VX028557.D

Acq: 06 May 2022 18:05

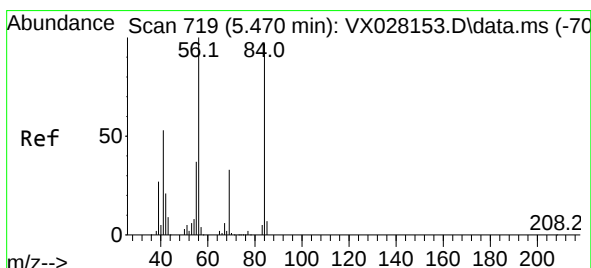
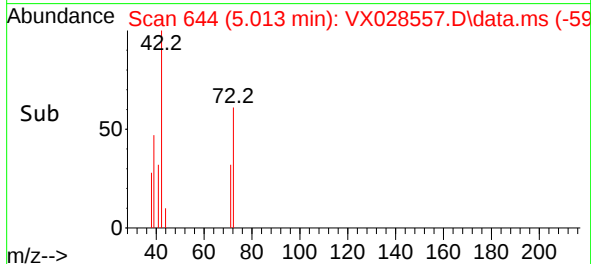
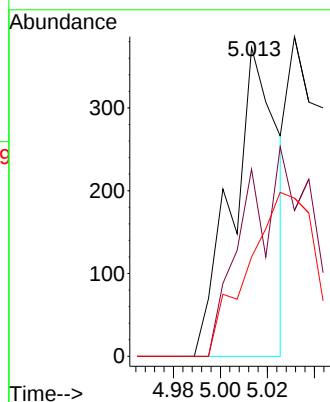
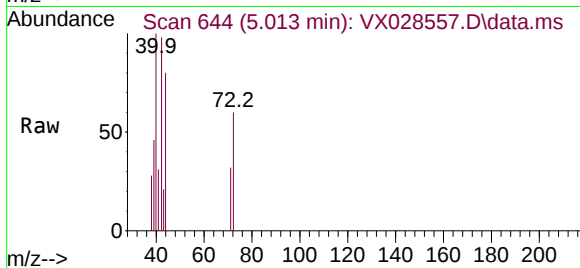
Instrument :

MSVOA_X

ClientSampleId :

MMC-PIT1

Tgt Ion: 42	Resp: 500
Ion Ratio	Lower Upper
42	100
72	100.4 44.1 66.1#
71	86.4 40.5 60.7#



#31

Cyclohexane

Concen: 1.198 ug/l

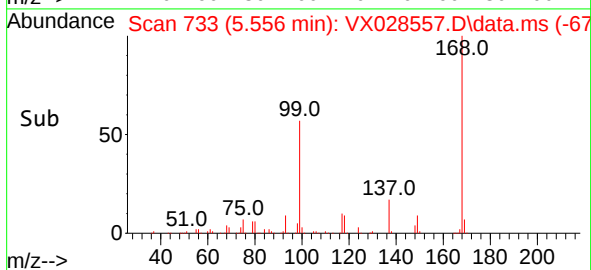
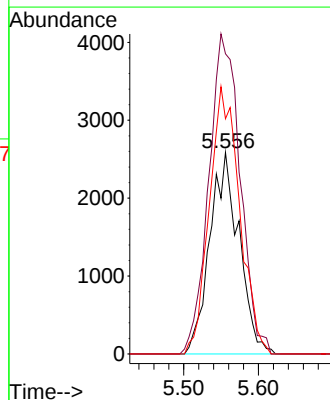
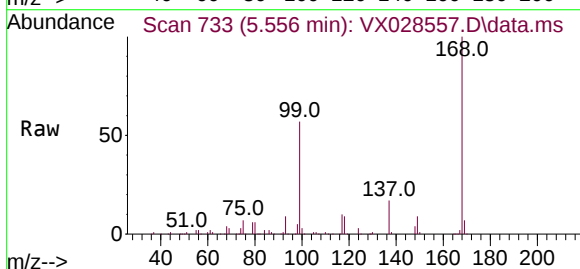
RT: 5.556 min Scan# 733

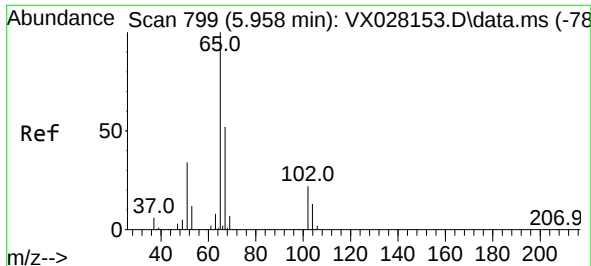
Delta R.T. 0.086 min

Lab File: VX028557.D

Acq: 06 May 2022 18:05

Tgt Ion: 56	Resp: 7019
Ion Ratio	Lower Upper
56	100
69	148.9 26.7 40.1#
84	116.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 56.625 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028557.D

Acq: 06 May 2022 18:05

Instrument :

MSVOA_X

ClientSampleId :

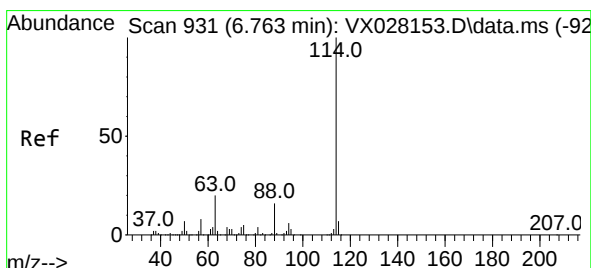
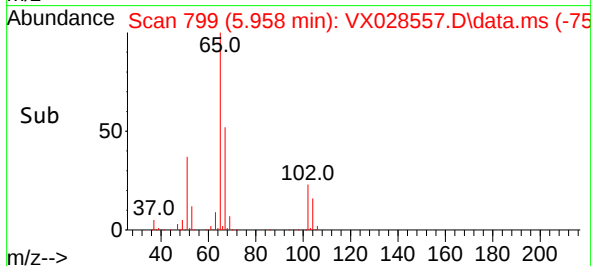
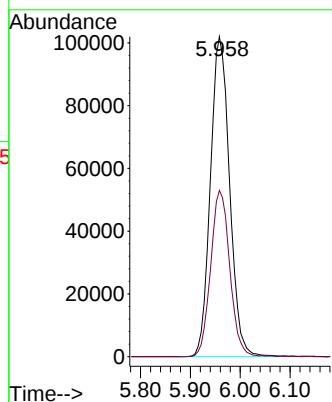
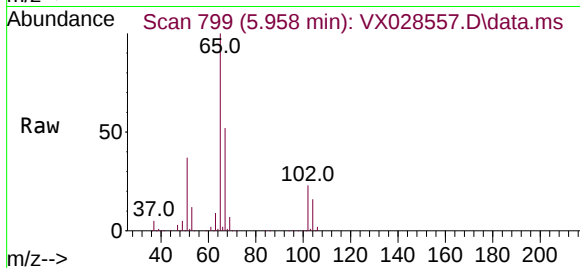
MMC-PIT1

Tgt Ion: 65 Resp: 272343

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028557.D

Acq: 06 May 2022 18:05

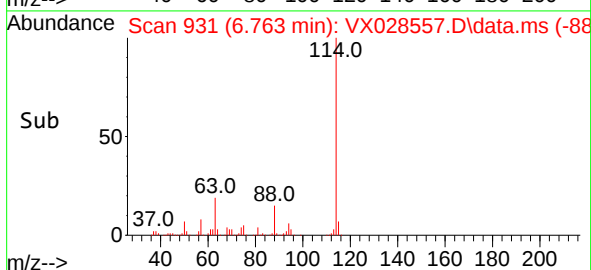
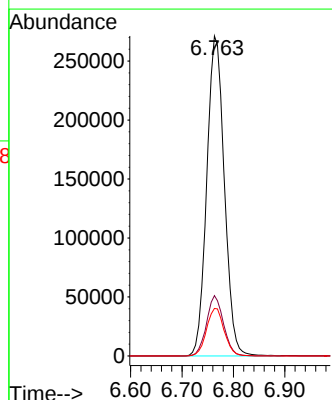
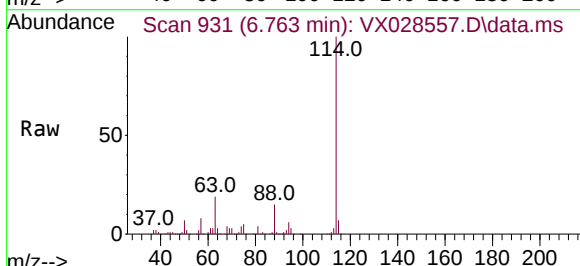
Tgt Ion: 114 Resp: 644036

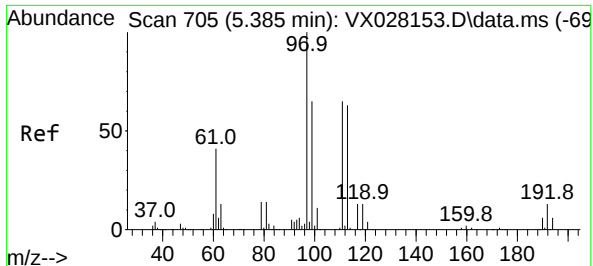
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.8

88 14.9 0.0 32.4

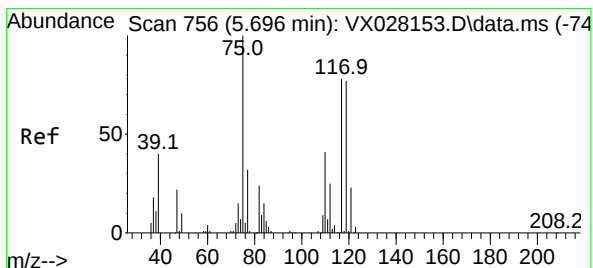
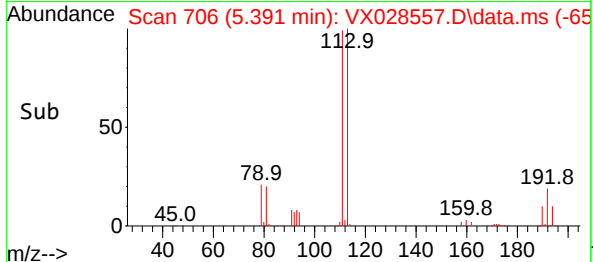
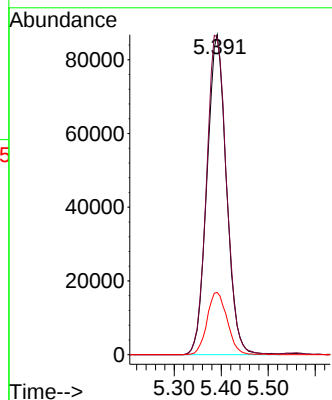
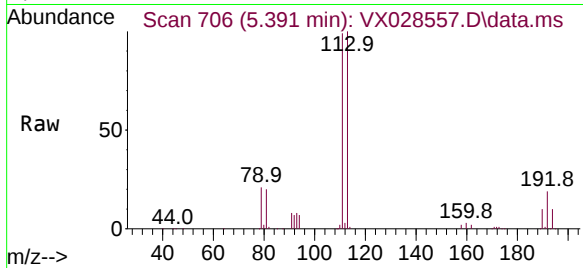




#35
Dibromofluoromethane
Concen: 55.209 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

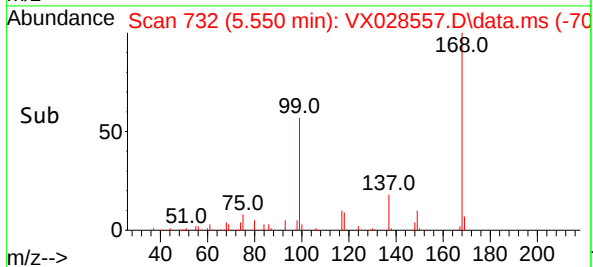
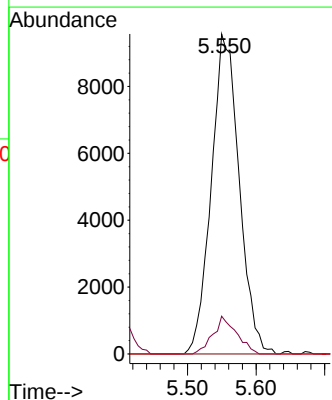
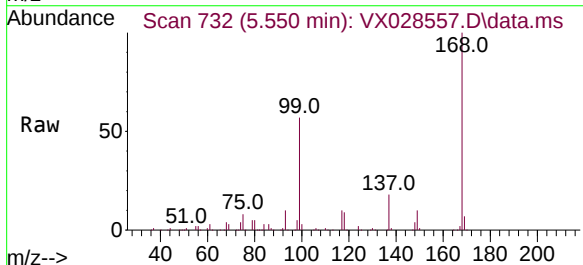
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT1

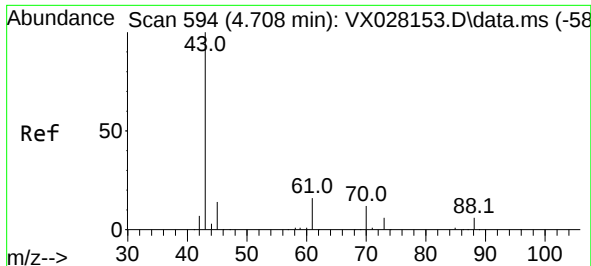
Tgt Ion:113 Resp: 249356
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.587 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

Tgt Ion: 75 Resp: 27025
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.210 ug/l

RT: 4.727 min Scan# 594

Delta R.T. 0.019 min

Lab File: VX028557.D

Acq: 06 May 2022 18:05

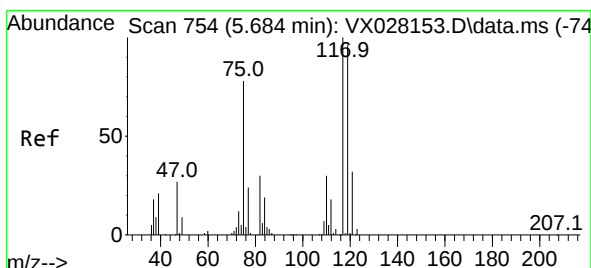
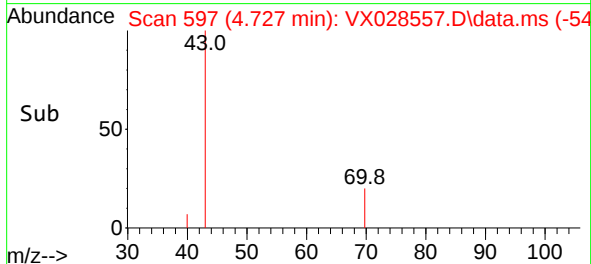
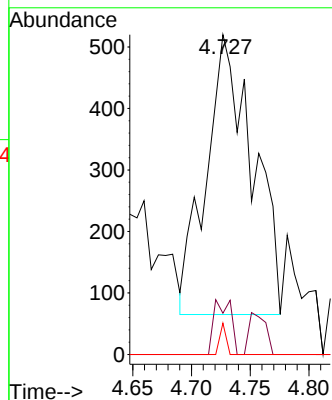
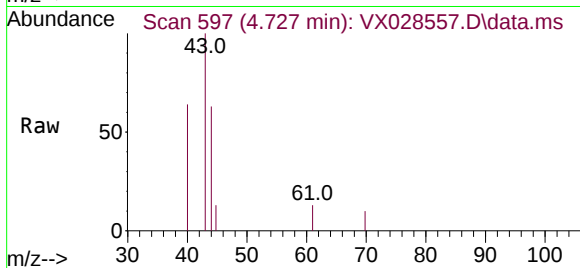
Instrument :

MSVOA_X

ClientSampleId :

MMC-PIT1

Tgt Ion: 43	Resp:	1256
Ion	Ratio	Lower Upper
43	100	
61	7.1	12.6 19.0#
70	1.5	10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.492 ug/l

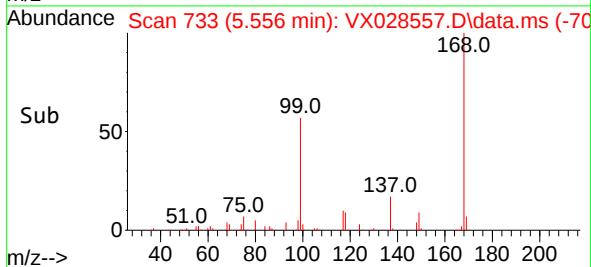
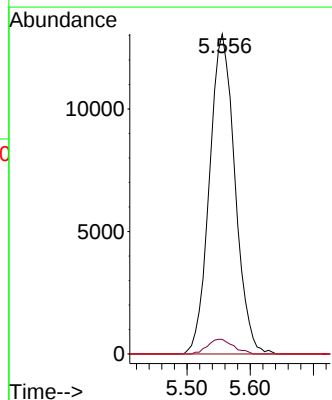
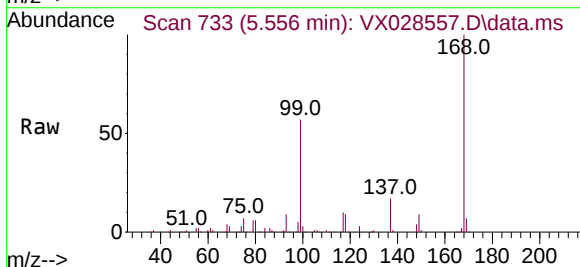
RT: 5.556 min Scan# 733

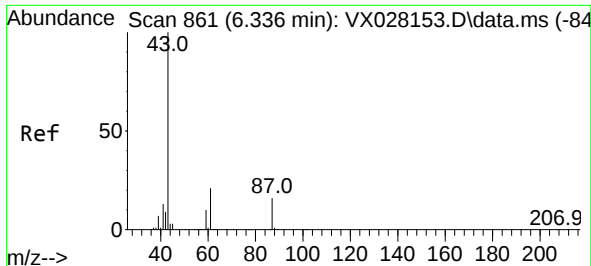
Delta R.T. -0.128 min

Lab File: VX028557.D

Acq: 06 May 2022 18:05

Tgt Ion: 117	Resp:	36523
Ion	Ratio	Lower Upper
117	100	
119	4.6	77.3 115.9#
121	0.0	24.2 36.2#

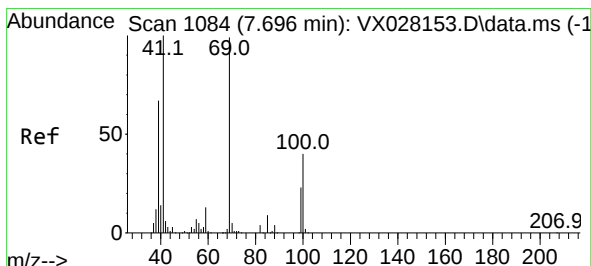
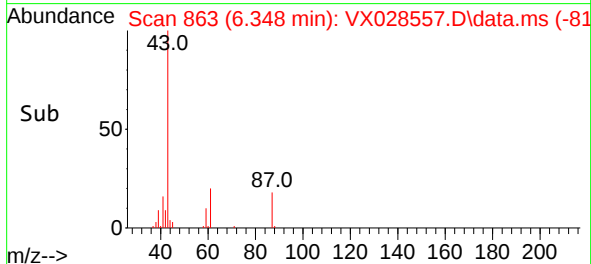
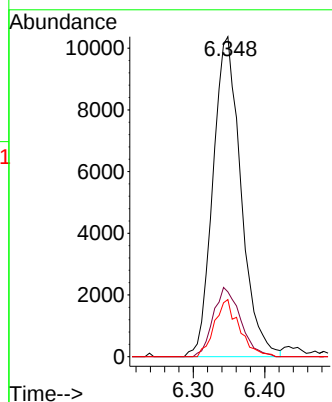
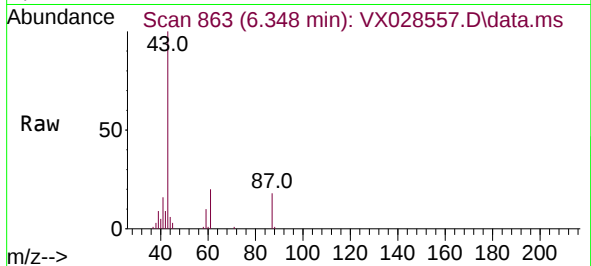




#43
Isopropyl Acetate
Concen: 2.903 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

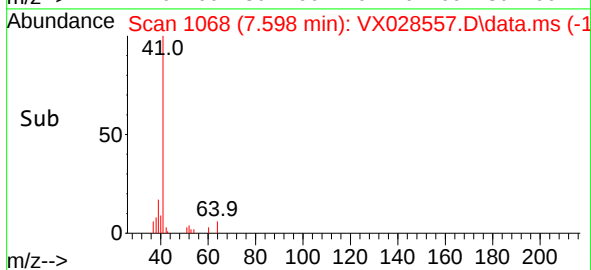
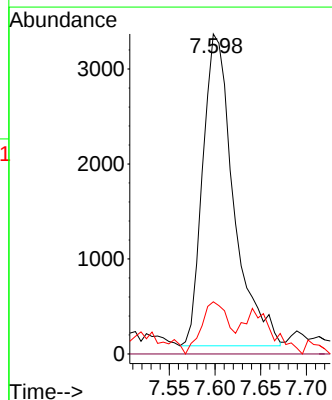
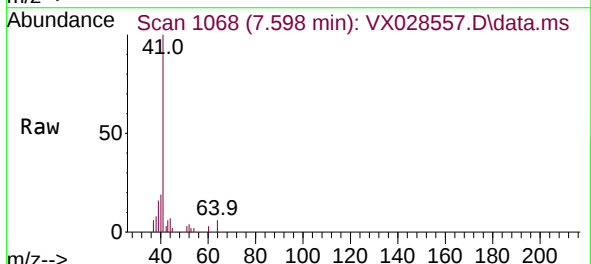
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT1

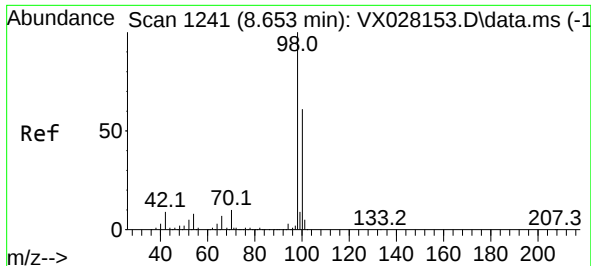
Tgt Ion: 43 Resp: 28246
Ion Ratio Lower Upper
43 100
61 21.0 18.5 27.7
87 15.9 13.0 19.6



#48
Methyl methacrylate
Concen: 1.726 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

Tgt Ion: 41 Resp: 7708
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#

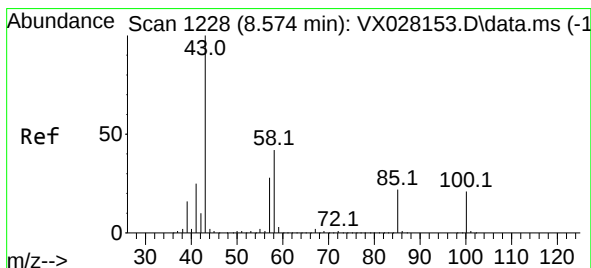
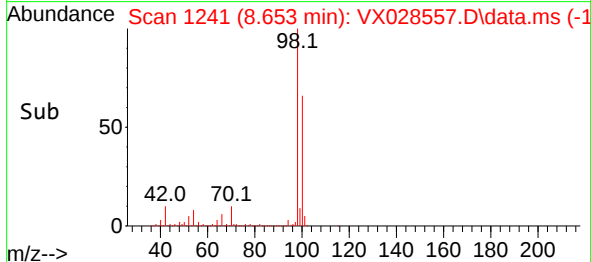
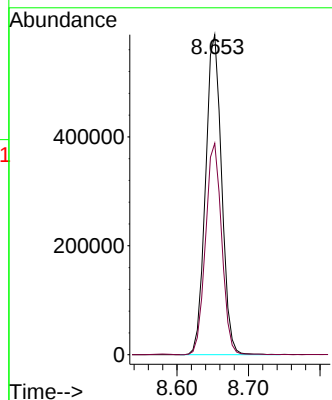
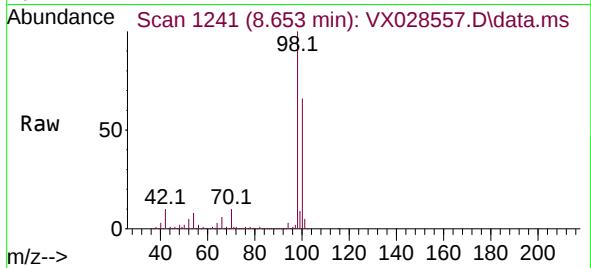




#50
Toluene-d8
Concen: 52.874 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

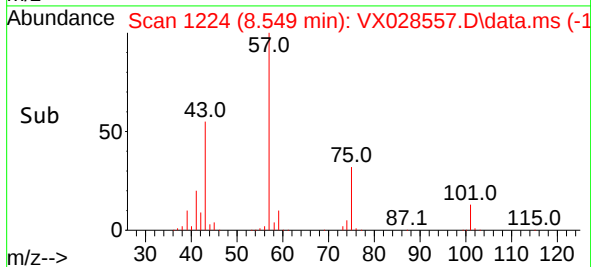
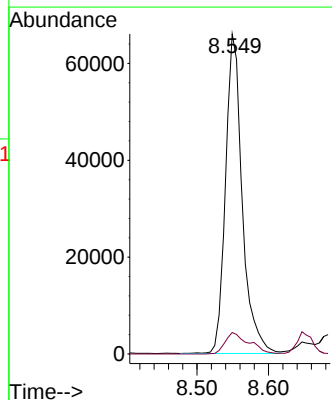
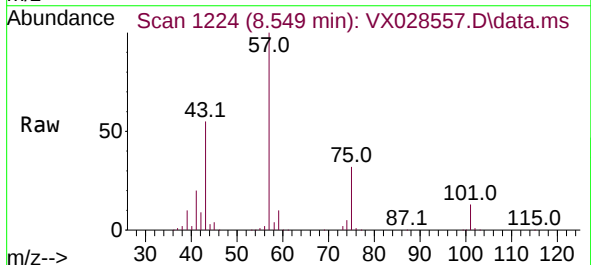
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT1

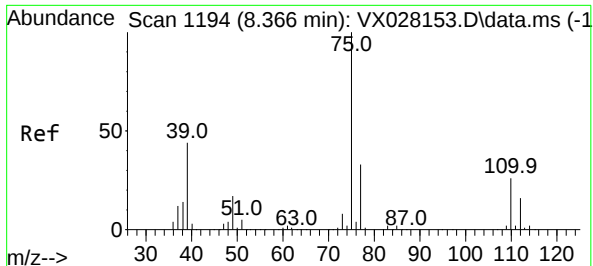
Tgt Ion: 98 Resp: 917213
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.146 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

Tgt Ion: 43 Resp: 107050
Ion Ratio Lower Upper
43 100
58 9.6 36.1 54.1#

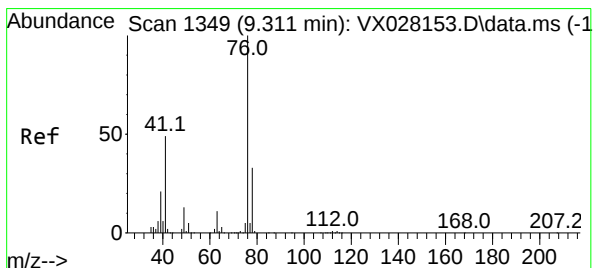
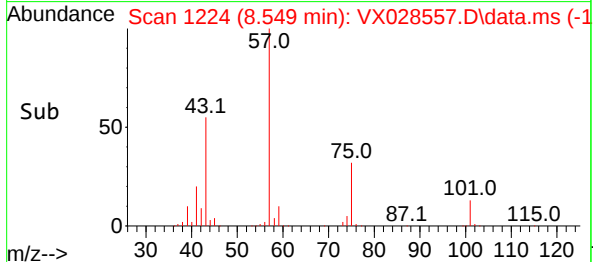
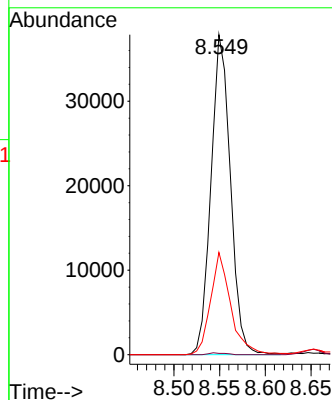
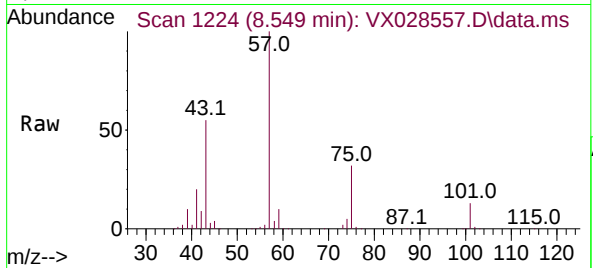




#54
 cis-1,3-Dichloropropene
 Concen: 7.715 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028557.D
 Acq: 06 May 2022 18:05

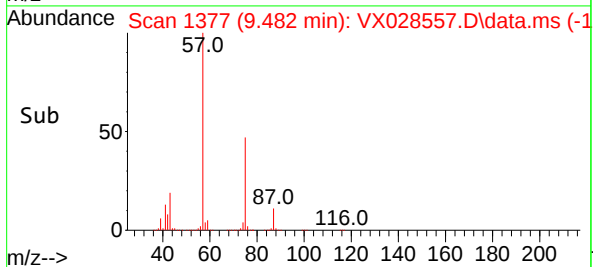
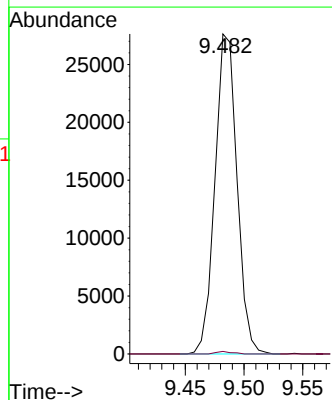
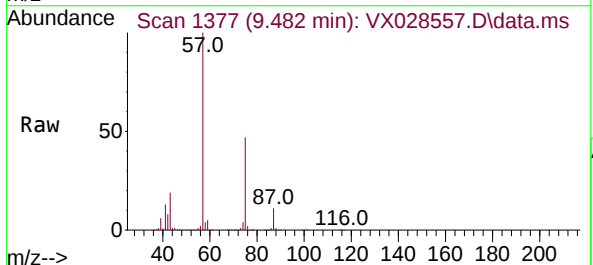
Instrument :
 MSVOA_X
 ClientSampleId :
 MMC-PIT1

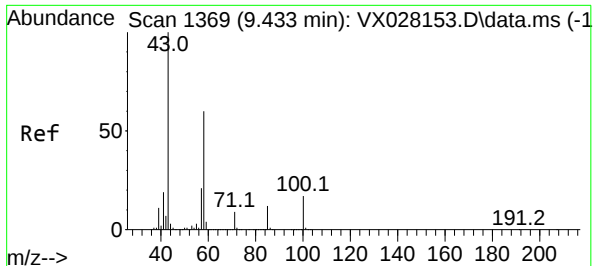
Tgt Ion: 75 Resp: 56037
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 32.0 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.594 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028557.D
 Acq: 06 May 2022 18:05

Tgt Ion: 76 Resp: 36095
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#

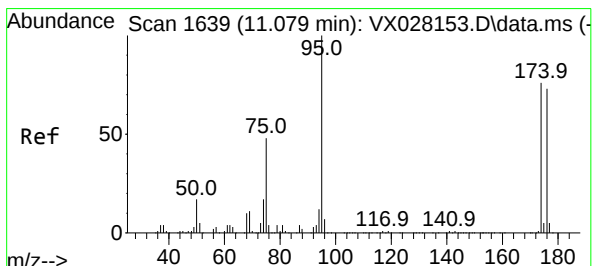
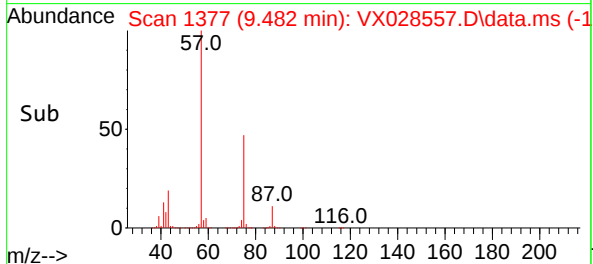
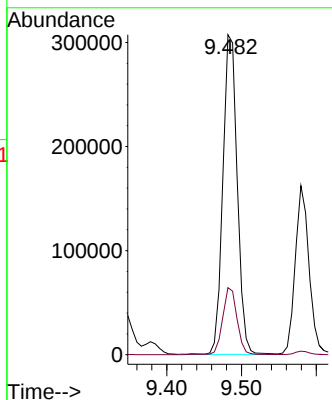
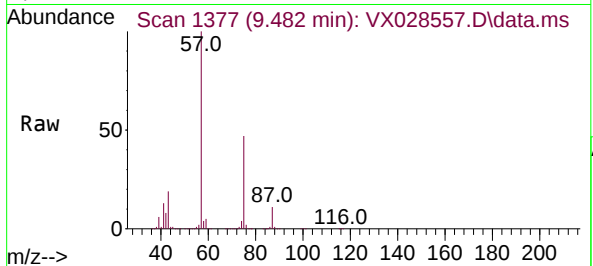




#59
2-Hexanone
Concen: 85.059 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

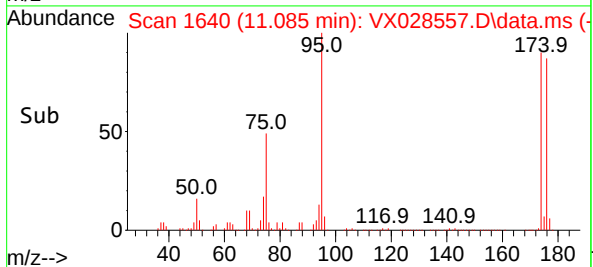
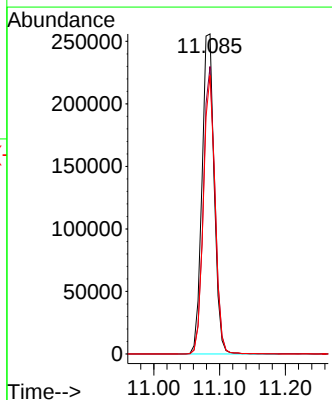
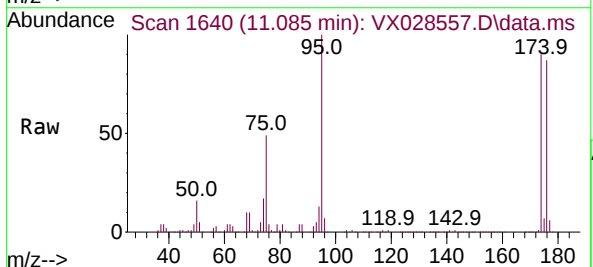
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT1

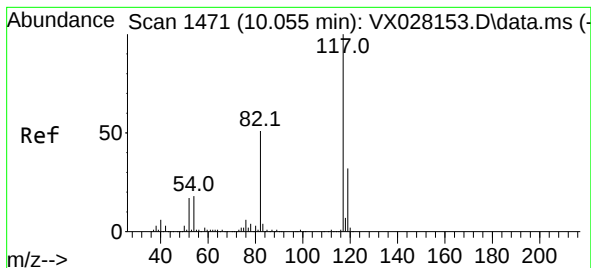
Tgt Ion: 43 Resp: 411364
Ion Ratio Lower Upper
43 100
58 20.9 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 49.768 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

Tgt Ion: 95 Resp: 330104
Ion Ratio Lower Upper
95 100
174 85.9 0.0 163.0
176 83.5 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: VX028557.D

Acq: 06 May 2022 18:05

Instrument :

MSVOA_X

ClientSampleId :

MMC-PIT1

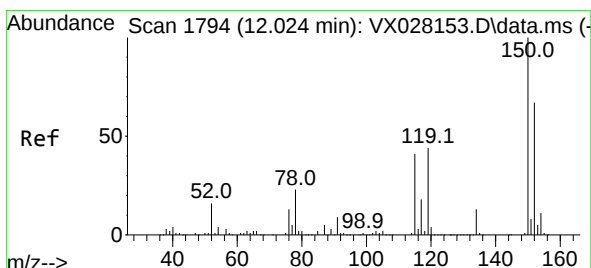
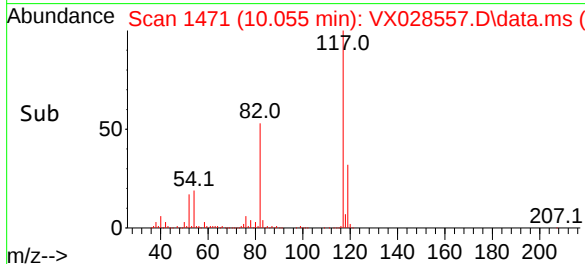
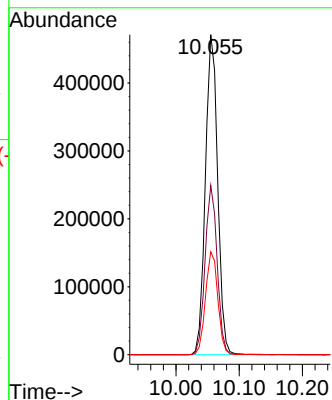
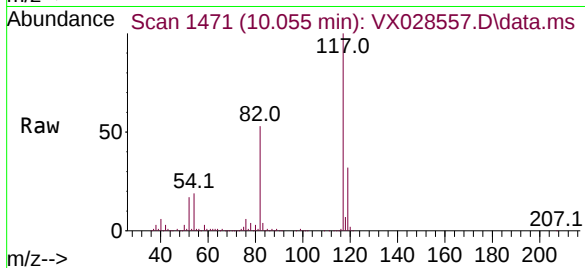
Tgt Ion:117 Resp: 637539

Ion Ratio Lower Upper

117 100

82 52.9 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: VX028557.D

Acq: 06 May 2022 18:05

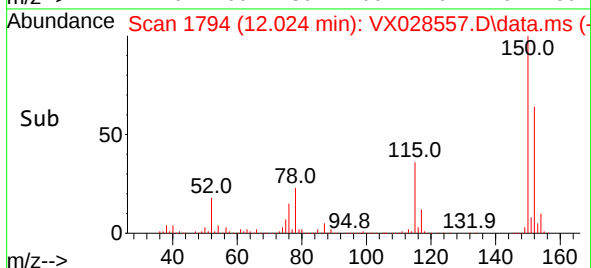
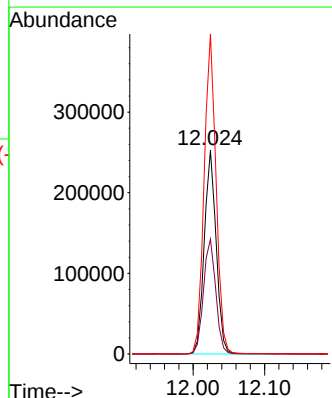
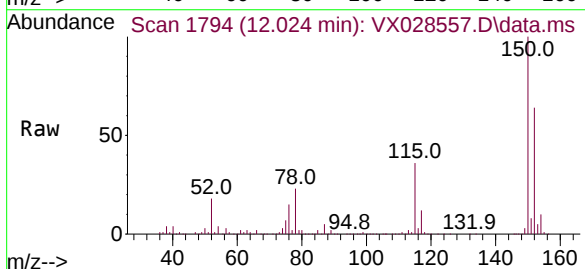
Tgt Ion:152 Resp: 292830

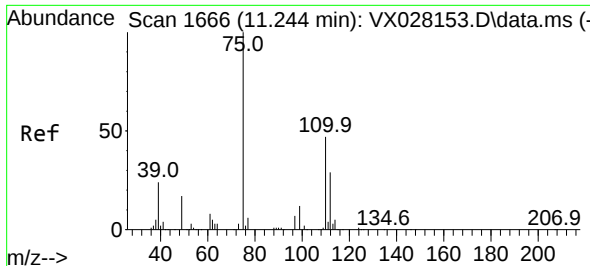
Ion Ratio Lower Upper

152 100

115 58.0 37.5 112.7

150 157.1 0.0 338.2

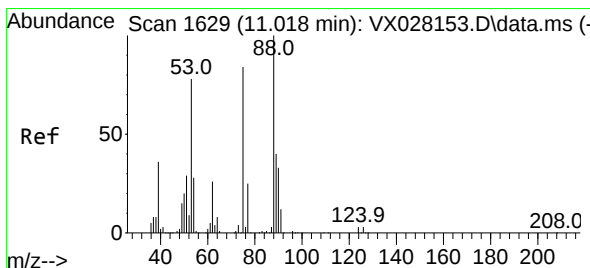
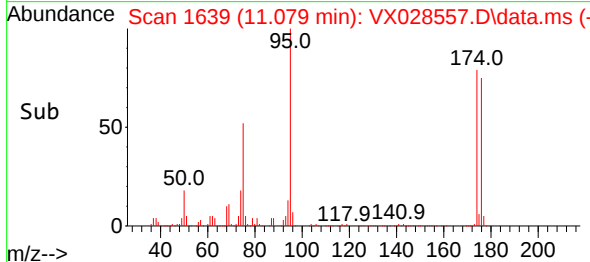
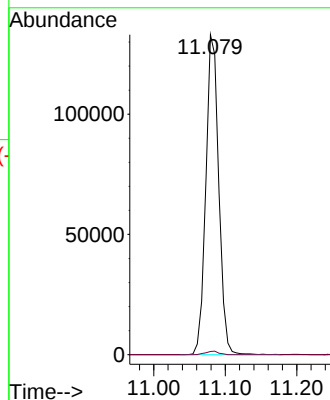
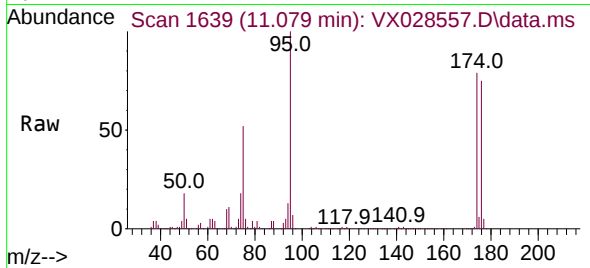




#76
1,2,3-Trichloropropane
Concen: 28.962 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT1

Tgt Ion: 75 Resp: 166908
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.066 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028557.D
Acq: 06 May 2022 18:05

Tgt Ion: 75 Resp: 166908
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

