

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072723\
 Data File : VX036681.D
 Acq On : 27 Jul 2023 17:05
 Operator : JC/MD
 Sample : 03771-01DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 28 06:14:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

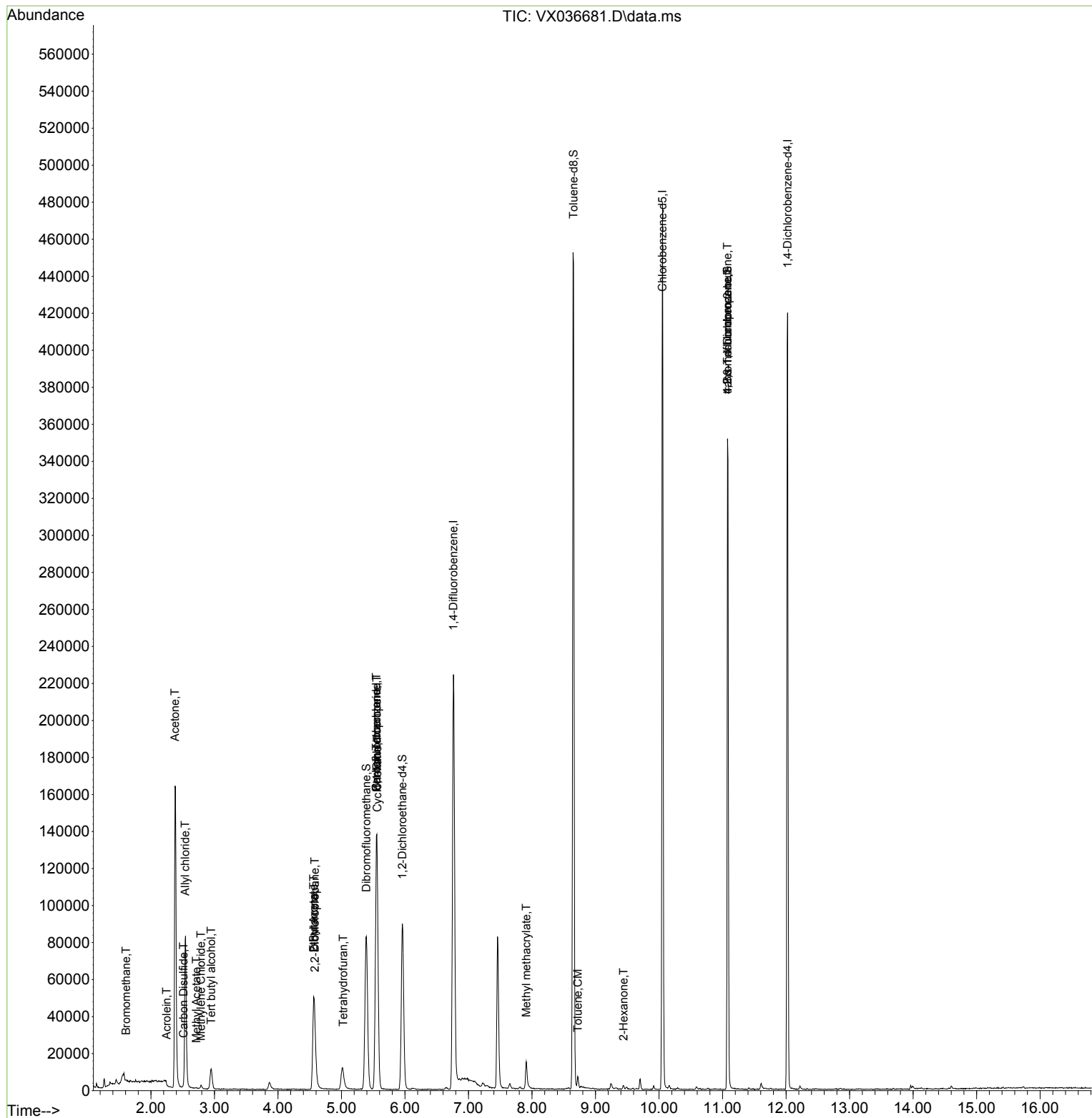
Internal Standards						
1) Pentafluorobenzene	5.549	168	128484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86306	45.398	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.800%		
35) Dibromofluoromethane	5.391	113	73616	46.577	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.160%		
50) Toluene-d8	8.652	98	272465	48.612	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.220%		
62) 4-Bromofluorobenzene	11.079	95	97322	46.023	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.040%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	190	0.202	ug/l #	12
11) Tert butyl alcohol	2.946	59	7162	15.913	ug/l #	87
13) Acrolein	2.245	56	571	2.223	ug/l #	66
14) Allyl chloride	2.538	41	7539	2.661	ug/l #	69
16) Acetone	2.379	43	181821	230.477	ug/l	92
17) Carbon Disulfide	2.513	76	1235	0.311	ug/l	99
18) Methyl Acetate	2.715	43	788	0.237	ug/l #	82
20) Methylene Chloride	2.788	84	1022	0.583	ug/l #	91
25) 2-Butanone	4.562	43	75330	58.855	ug/l	95
26) 2,2-Dichloropropane	4.580	77	880	0.310	ug/l #	54
29) Tetrahydrofuran	5.025	42	895	1.085	ug/l #	43
31) Cyclohexane	5.562	56	3043	1.156	ug/l #	5
36) 1,1-Dichloropropene	5.555	75	10608	4.503	ug/l #	51
37) Ethyl Acetate	4.562	43	75169	28.192	ug/l #	70
38) Carbon Tetrachloride	5.549	117	13413	5.356	ug/l #	15
48) Methyl methacrylate	7.909	41	1732	0.811	ug/l #	42
52) Toluene	8.720	92	2113	0.492	ug/l	89
59) 2-Hexanone	9.439	43	1277	0.677	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	51012	24.661	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51012	55.897	ug/l #	5

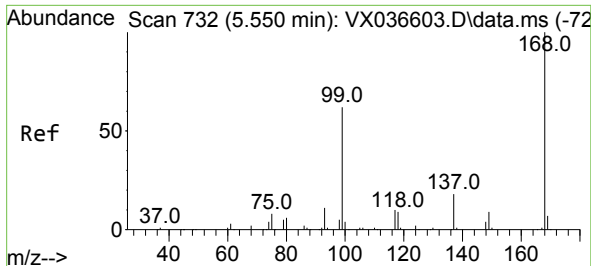
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
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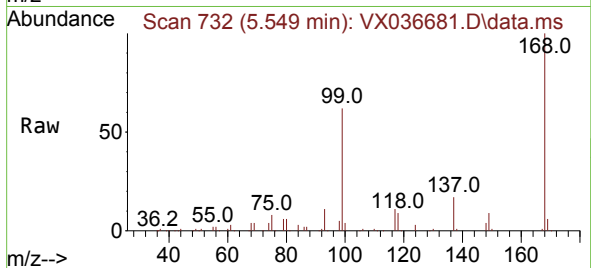
Quant Time: Jul 28 06:14:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



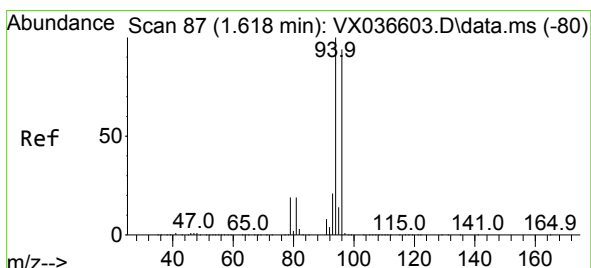
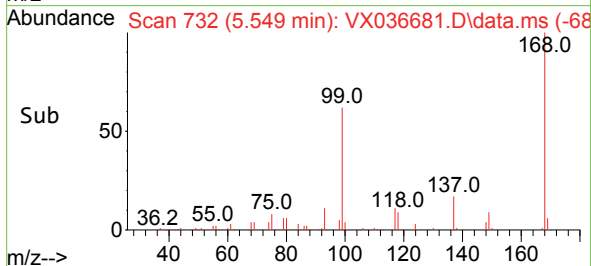
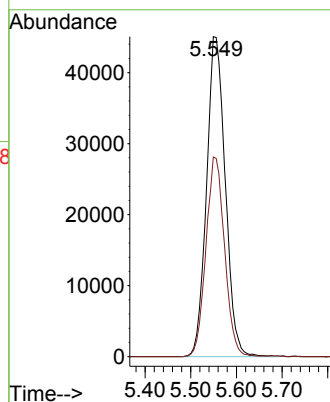


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :

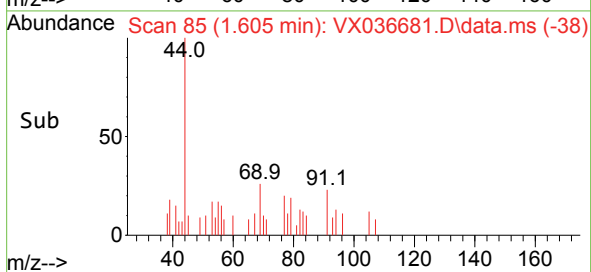
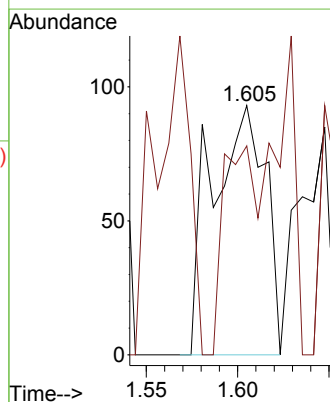
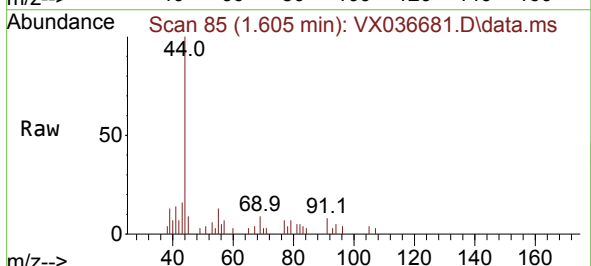


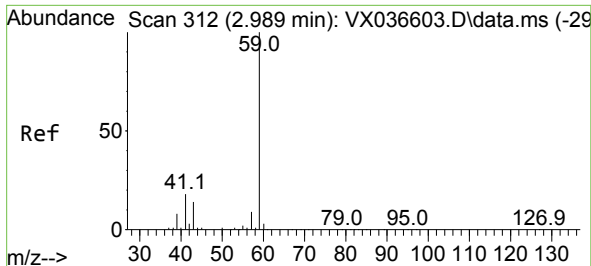
Tgt Ion:168 Resp: 128484
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.013 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

Tgt Ion: 94 Resp: 190
Ion Ratio Lower Upper
94 100
96 8.6 74.6 111.8#

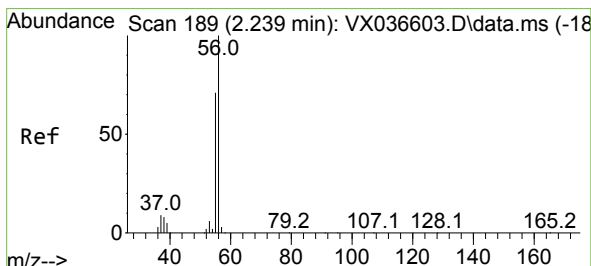
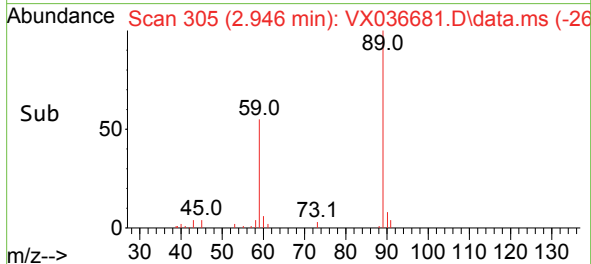
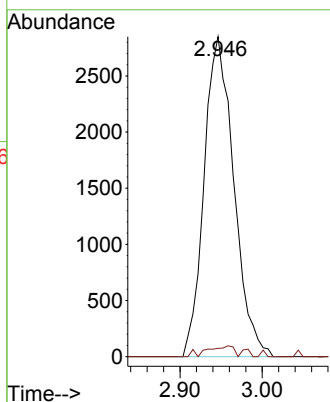
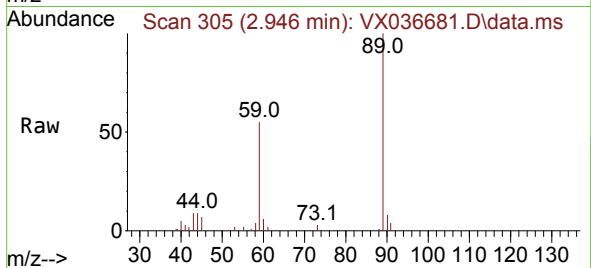




#11
Tert butyl alcohol
Concen: 15.913 ug/l
RT: 2.946 min Scan# 30
Delta R.T. -0.043 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

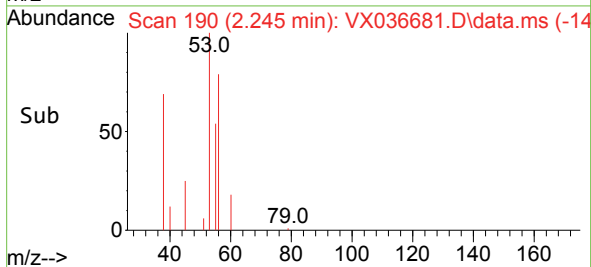
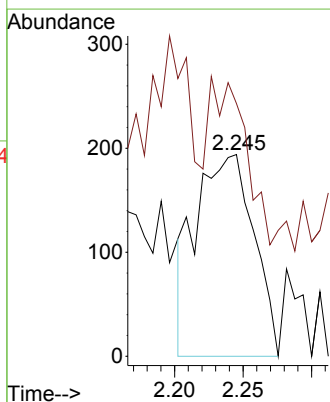
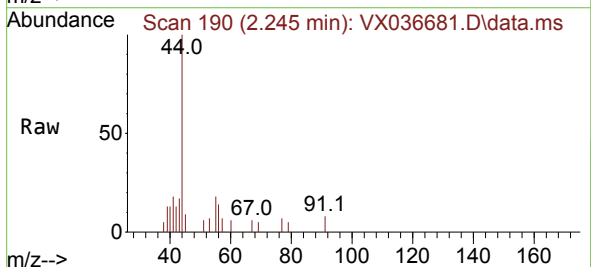
Instrument :
MSVOA_X
ClientSampleId :

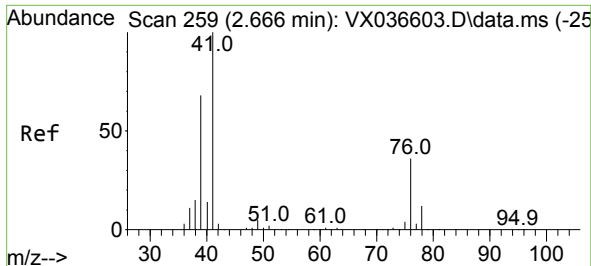
Tgt Ion: 59 Resp: 7162
Ion Ratio Lower Upper
59 100
57 3.0 6.0 9.0#



#13
Acrolein
Concen: 2.223 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

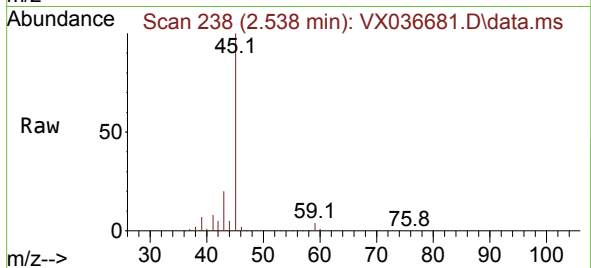
Tgt Ion: 56 Resp: 571
Ion Ratio Lower Upper
56 100
55 43.1 57.1 85.7#



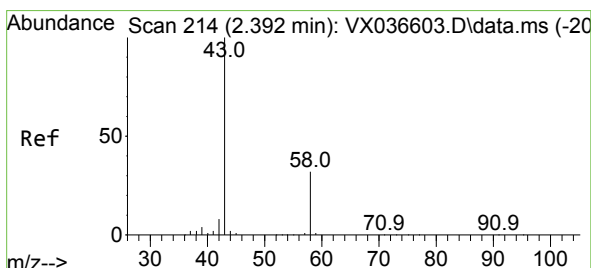
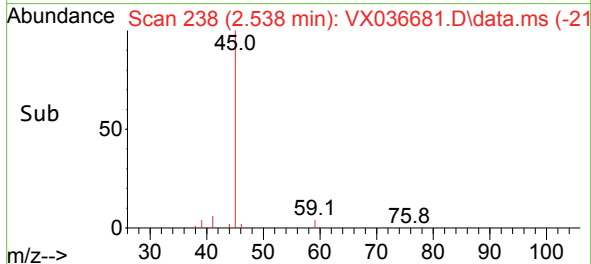
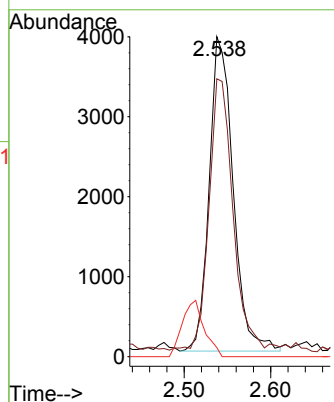


#14
 Allyl chloride
 Concen: 2.661 ug/l
 RT: 2.538 min Scan# 212
 Delta R.T. -0.128 min
 Lab File: VX036681.D
 Acq: 27 Jul 2023 17:05

Instrument :
 MSVOA_X
 ClientSampleId :

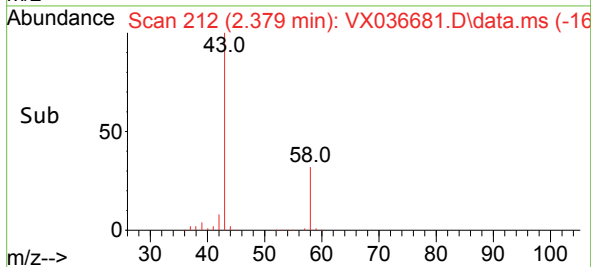
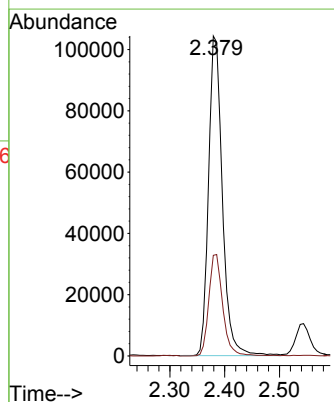
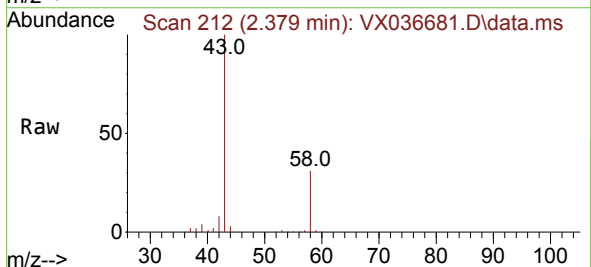


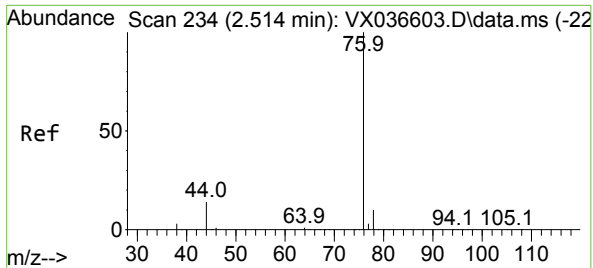
Tgt Ion: 41 Resp: 7539
 Ion Ratio Lower Upper
 41 100
 39 86.6 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 230.477 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.013 min
 Lab File: VX036681.D
 Acq: 27 Jul 2023 17:05

Tgt Ion: 43 Resp: 181821
 Ion Ratio Lower Upper
 43 100
 58 31.5 21.9 32.9

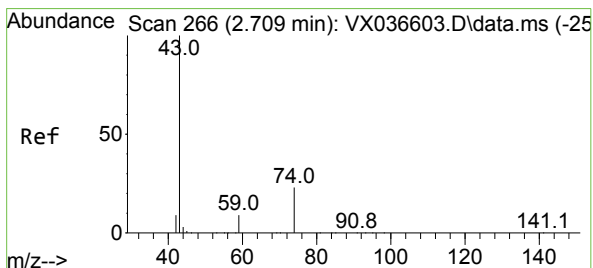
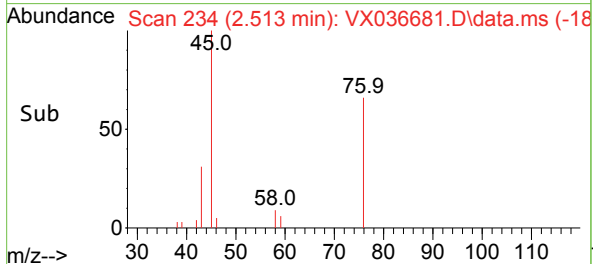
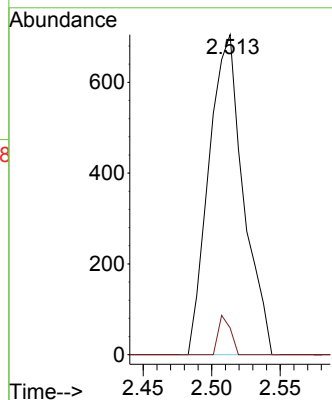
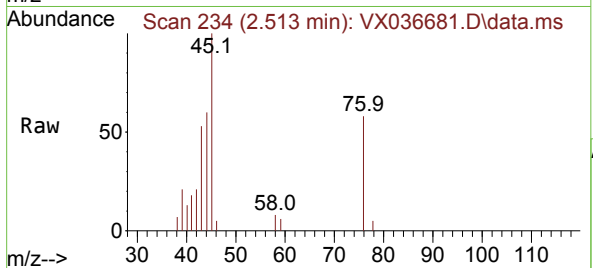




#17
Carbon Disulfide
Concen: 0.311 ug/l
RT: 2.513 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

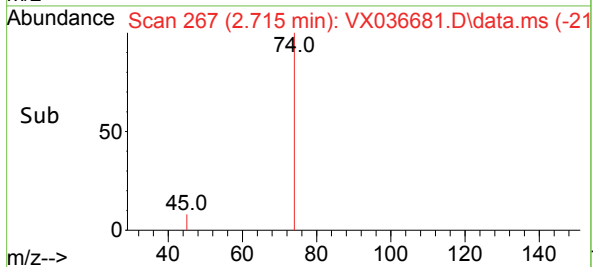
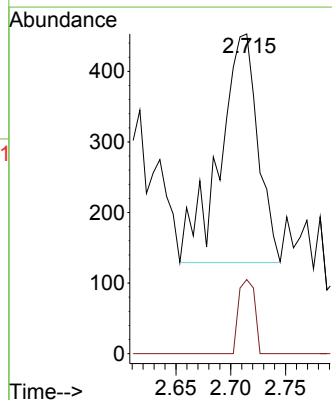
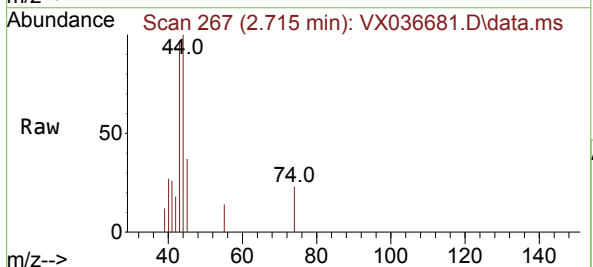
Instrument :
MSVOA_X
ClientSampleId :

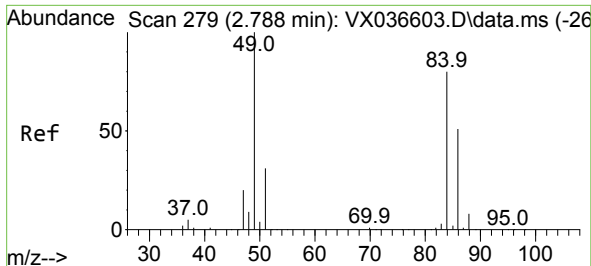
Tgt Ion: 76 Resp: 1235
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6



#18
Methyl Acetate
Concen: 0.237 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
74 13.5 17.8 26.8#





#20

Methylene Chloride

Concen: 0.583 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

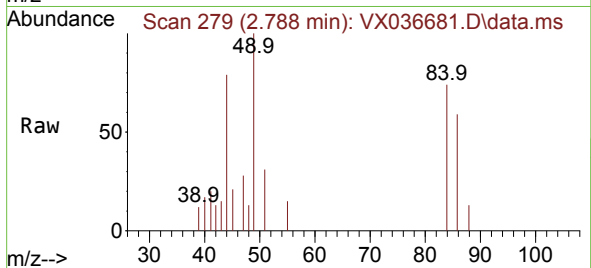
Lab File: VX036681.D

Acq: 27 Jul 2023 17:05

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1022

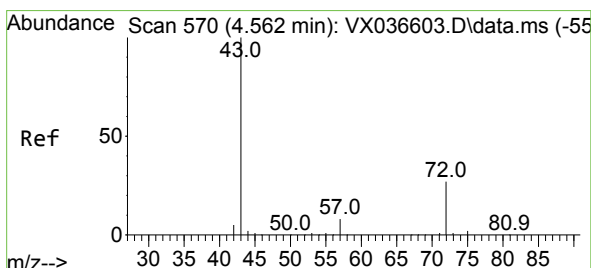
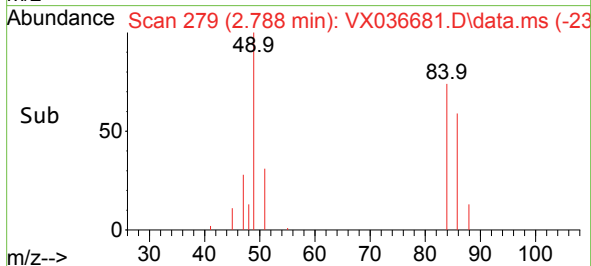
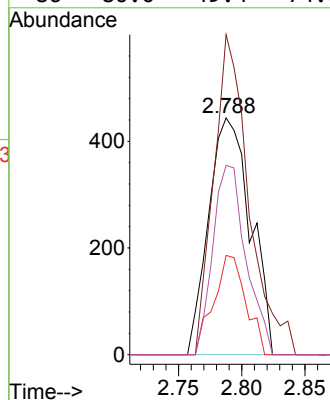
Ion Ratio Lower Upper

84 100

49 135.1 103.6 155.4

51 41.9 33.8 50.6

86 80.0 49.4 74.0#



#25

2-Butanone

Concen: 58.855 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.000 min

Lab File: VX036681.D

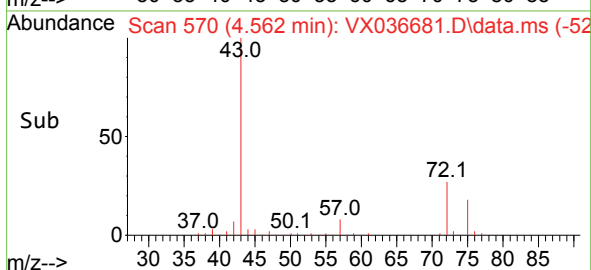
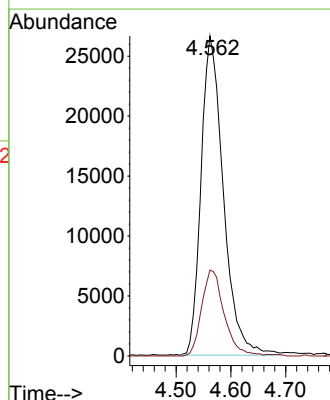
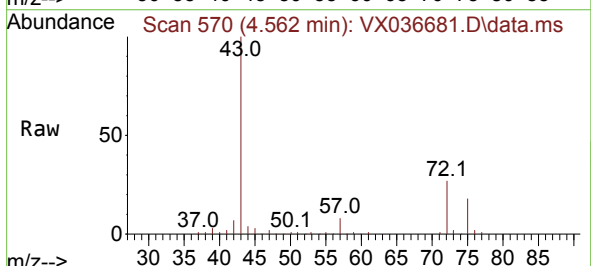
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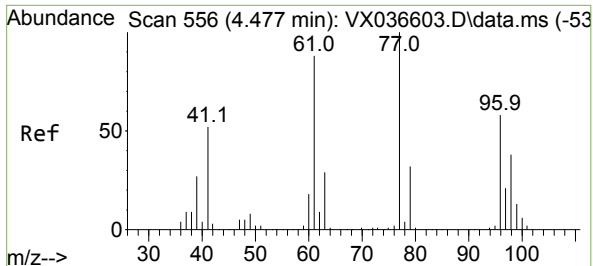
Tgt Ion: 43 Resp: 75330

Ion Ratio Lower Upper

43 100

72 26.9 19.4 29.2





#26

2,2-Dichloropropane

Concen: 0.310 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.103 min

Lab File: VX036681.D

Acq: 27 Jul 2023 17:05

Instrument :

MSVOA_X

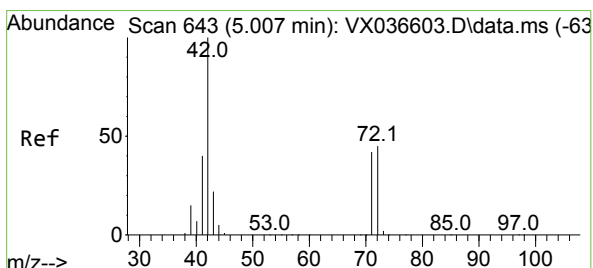
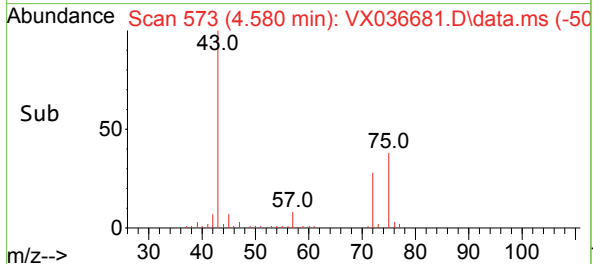
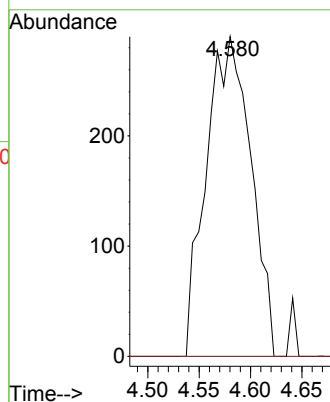
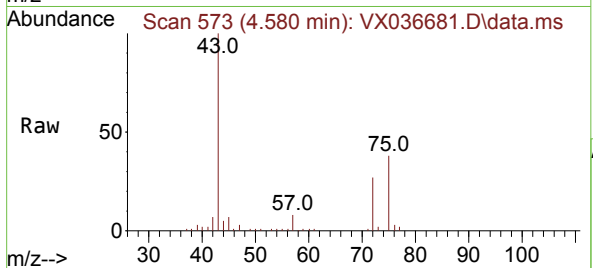
ClientSampleId :

Tgt Ion: 77 Resp: 880

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#29

Tetrahydrofuran

Concen: 1.085 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX036681.D

Acq: 27 Jul 2023 17:05

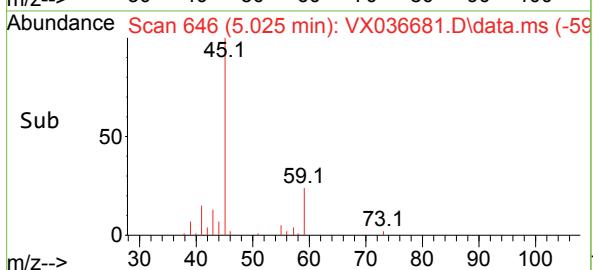
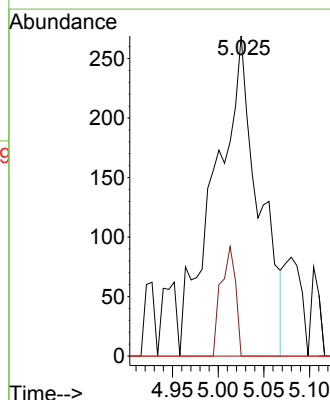
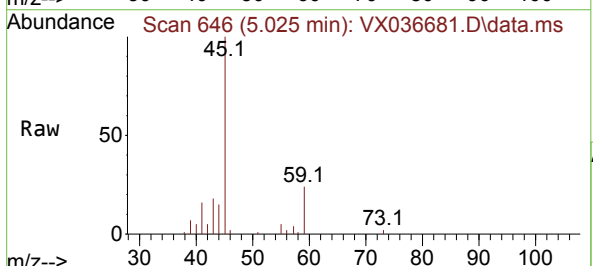
Tgt Ion: 42 Resp: 895

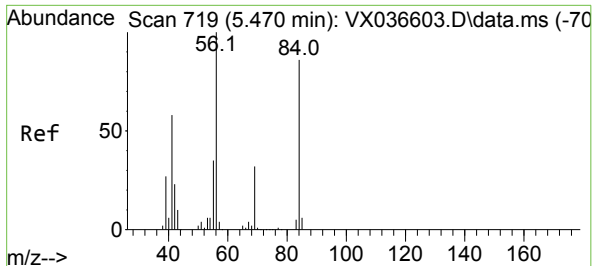
Ion Ratio Lower Upper

42 100

72 11.4 34.2 51.4#

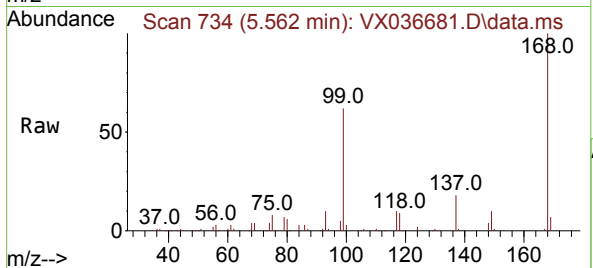
71 0.0 32.2 48.2#



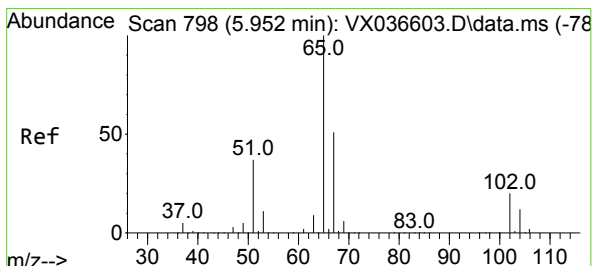
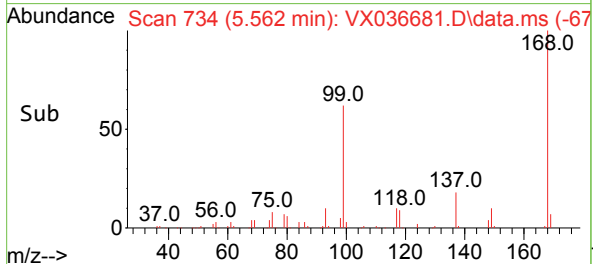
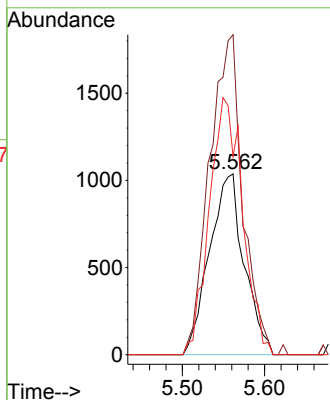


#31
Cyclohexane
Concen: 1.156 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :

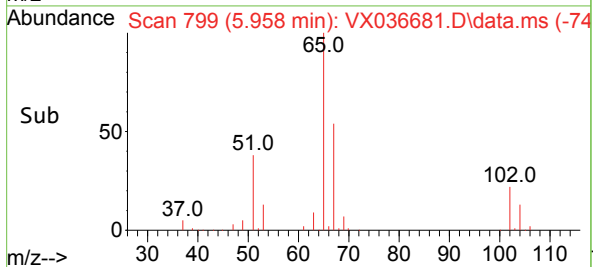
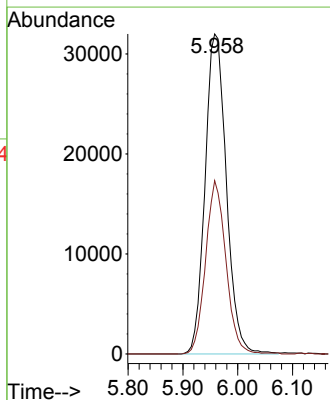
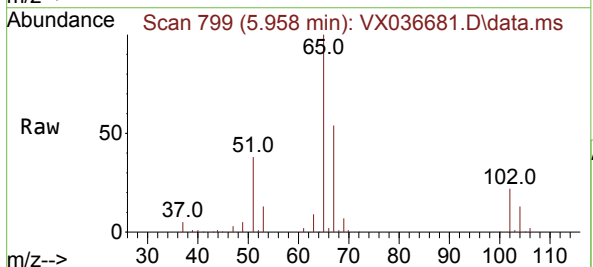


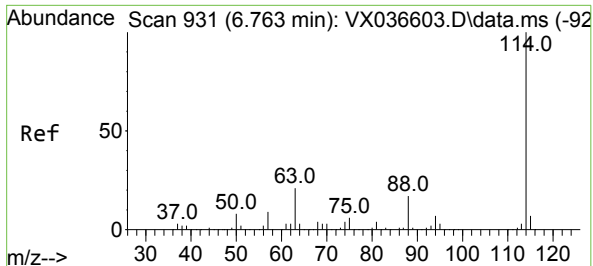
Tgt Ion: 56 Resp: 3043
Ion Ratio Lower Upper
56 100
69 177.0 23.4 35.2#
84 109.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.398 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

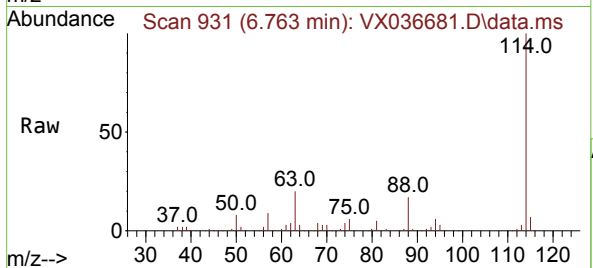
Tgt Ion: 65 Resp: 86306
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2



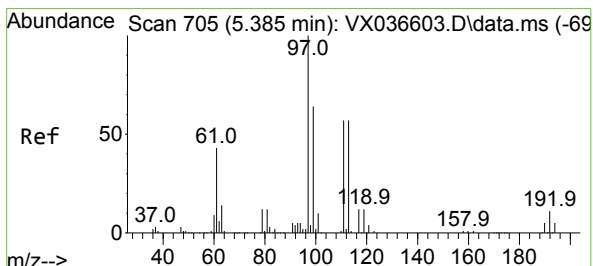
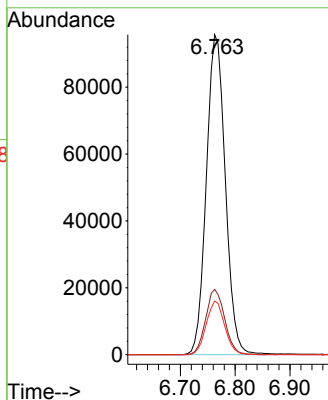
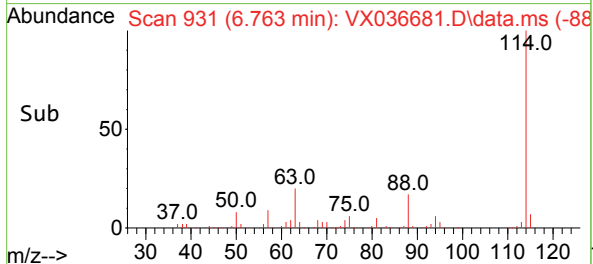


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

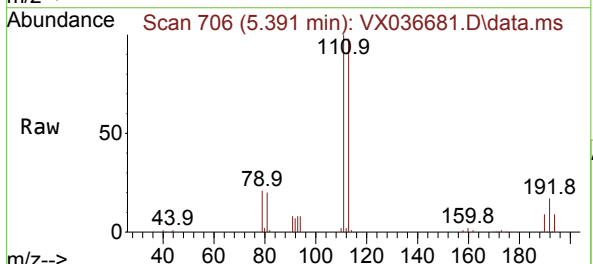
Instrument :
MSVOA_X
ClientSampleId :



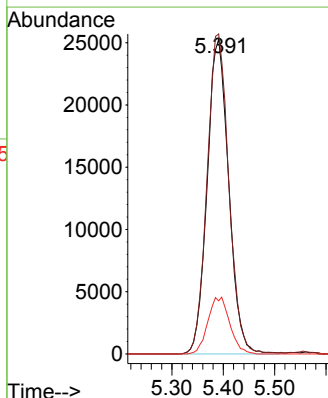
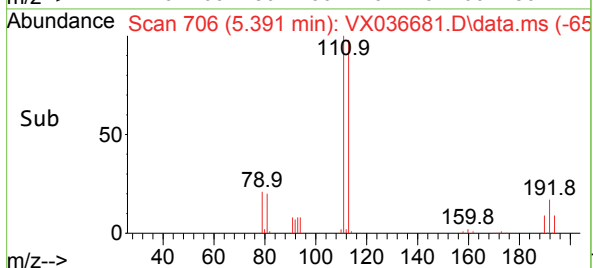
Tgt Ion:114 Resp: 229947
Ion Ratio Lower Upper
114 100
63 20.4 0.0 45.0
88 16.8 0.0 36.6

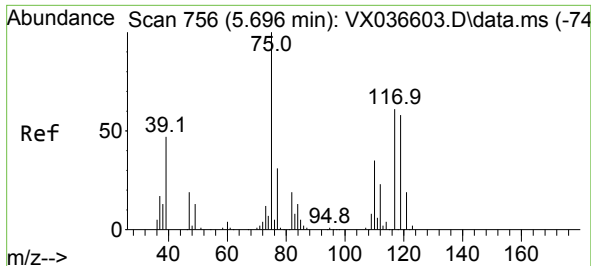


#35
Dibromofluoromethane
Concen: 46.577 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05



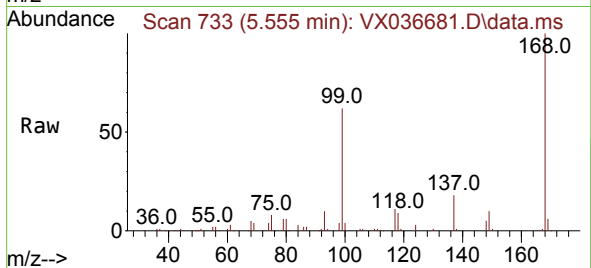
Tgt Ion:113 Resp: 73616
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 18.3 13.3 19.9



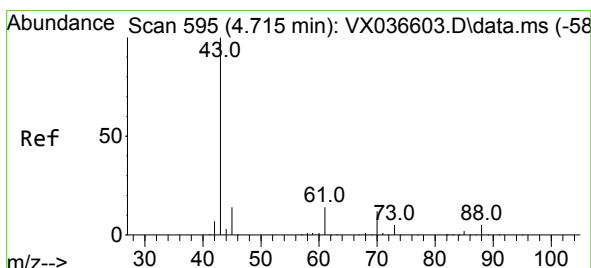
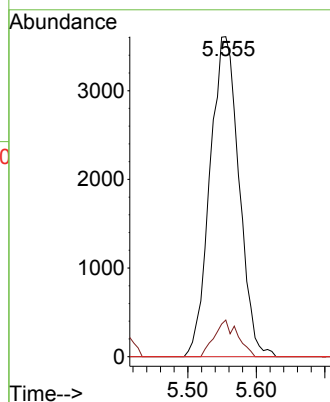
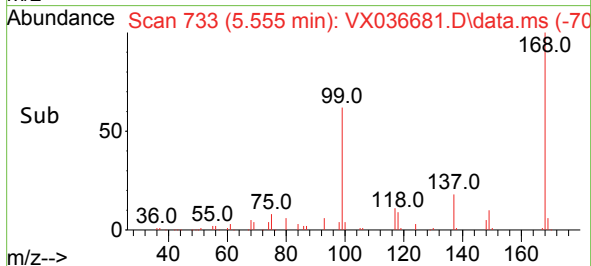


#36
1,1-Dichloropropene
Concen: 4.503 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :

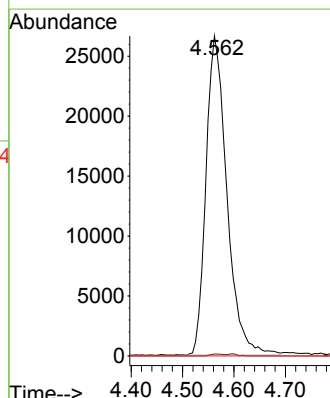
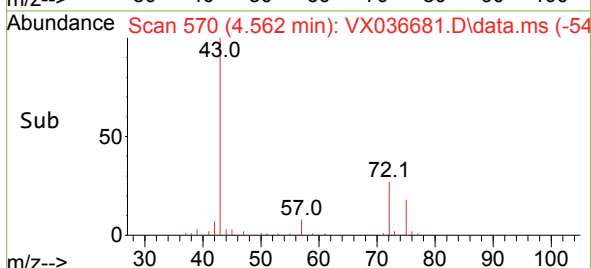
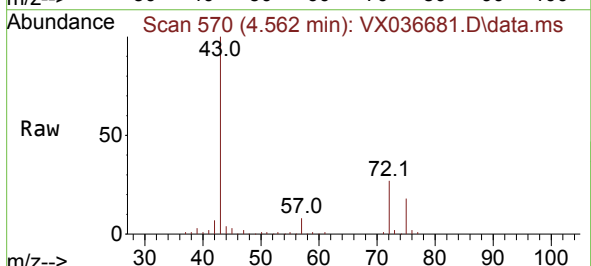


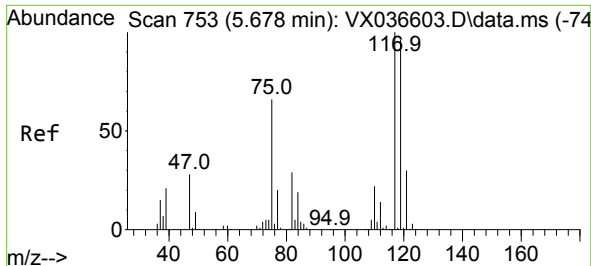
Tgt Ion: 75 Resp: 10608
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 28.192 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.153 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

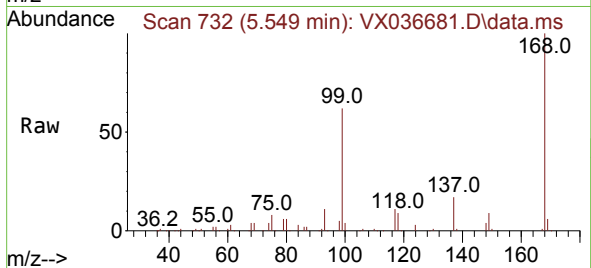
Tgt Ion: 43 Resp: 75169
Ion Ratio Lower Upper
43 100
61 0.4 10.6 16.0#
70 0.0 8.3 12.5#



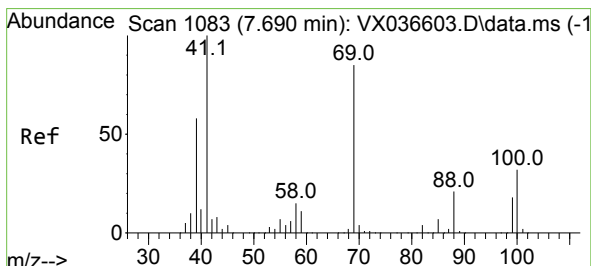
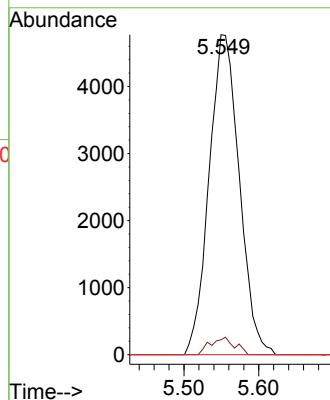
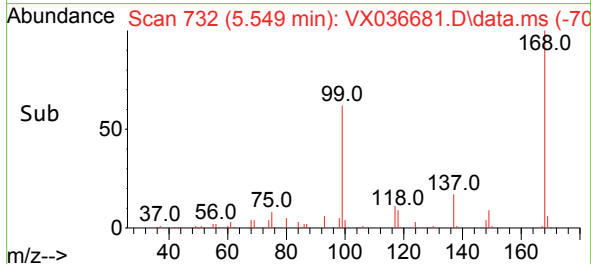


#38
Carbon Tetrachloride
Concen: 5.356 ug/l
RT: 5.549 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :

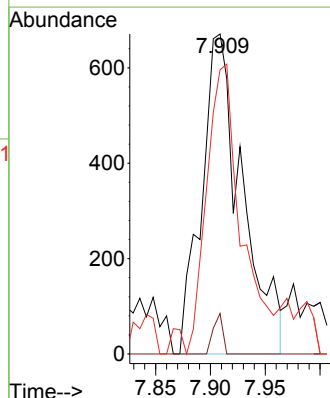
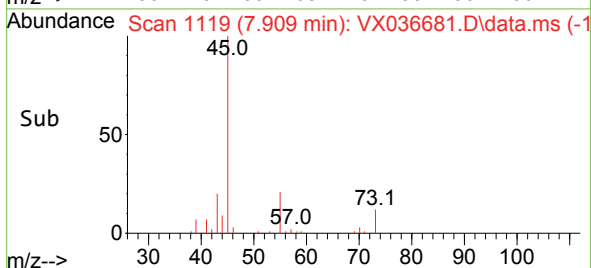
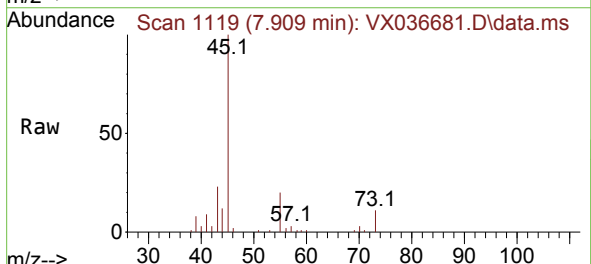


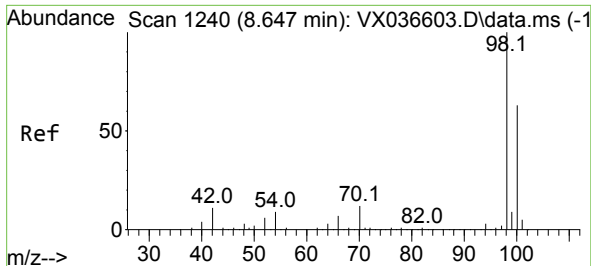
Tgt Ion:117 Resp: 13413
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 0.811 ug/l
RT: 7.909 min Scan# 1119
Delta R.T. 0.219 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

Tgt Ion: 41 Resp: 1732
Ion Ratio Lower Upper
41 100
69 2.9 59.2 88.8#
39 78.8 47.7 71.5#

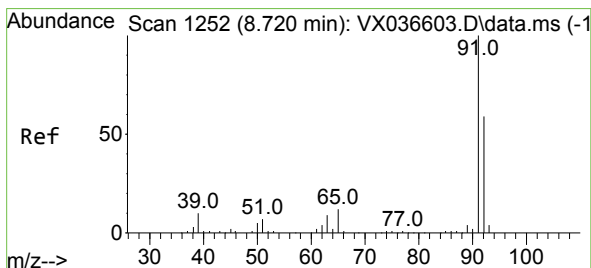
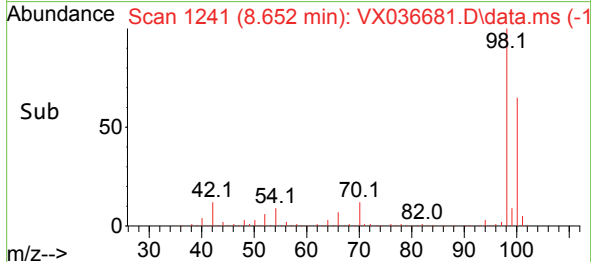
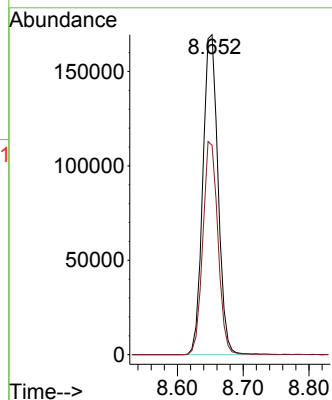
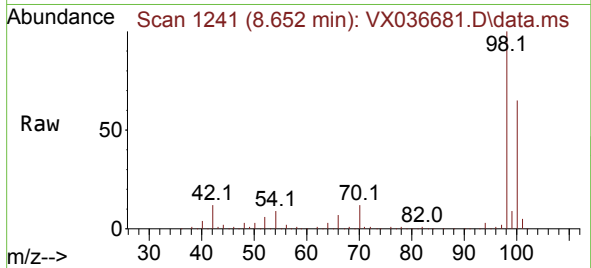




#50
Toluene-d8
Concen: 48.612 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

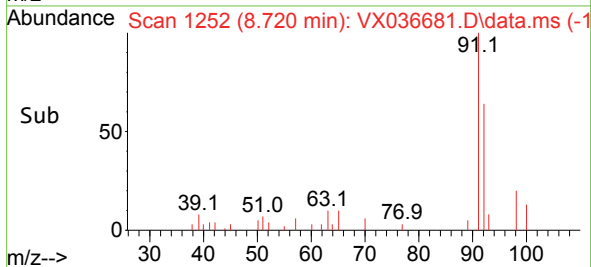
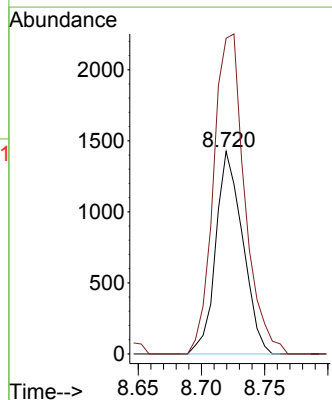
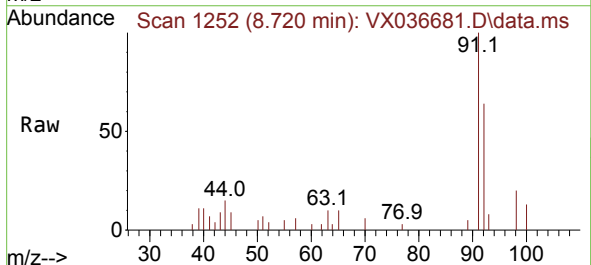
Instrument :
MSVOA_X
ClientSampleId :

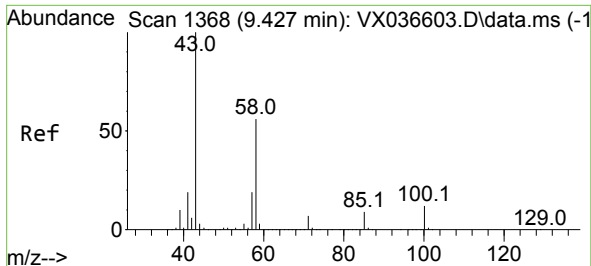
Tgt Ion: 98 Resp: 272465
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#52
Toluene
Concen: 0.492 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

Tgt Ion: 92 Resp: 2113
Ion Ratio Lower Upper
92 100
91 182.6 134.2 201.2

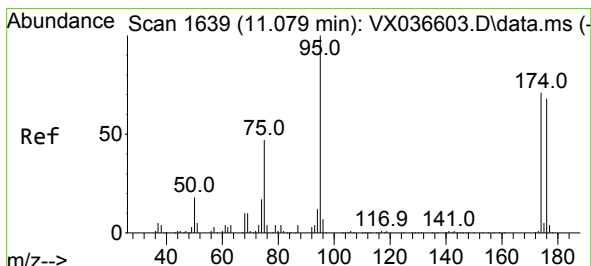
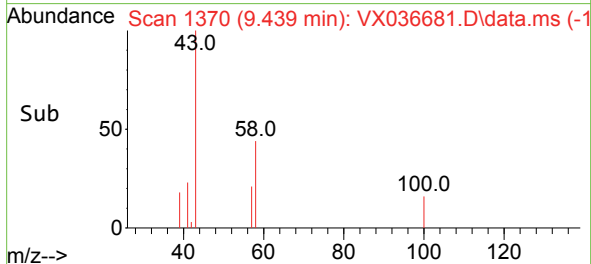
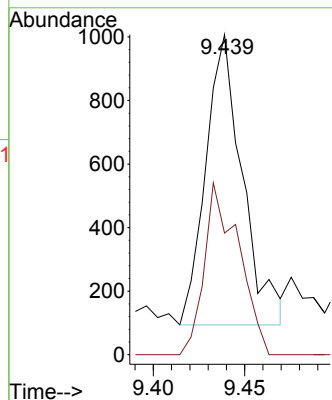
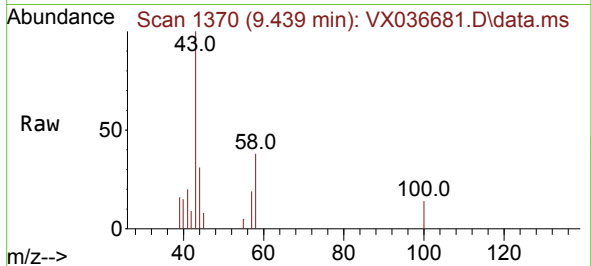




#59
2-Hexanone
Concen: 0.677 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

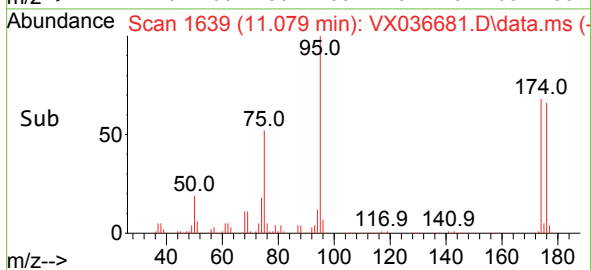
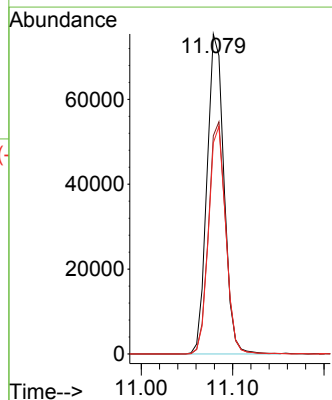
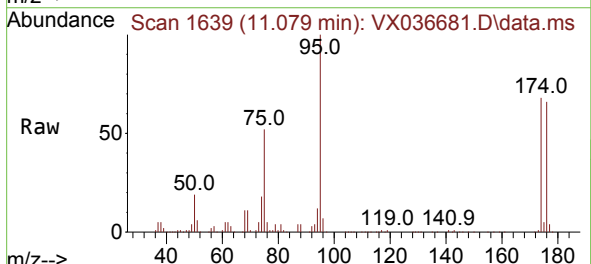
Instrument :
MSVOA_X
ClientSampleId :

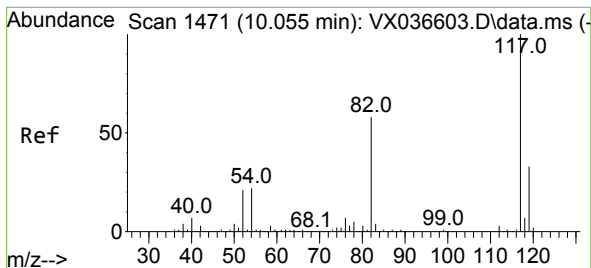
Tgt Ion: 43 Resp: 1277
Ion Ratio Lower Upper
43 100
58 55.4 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 46.023 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

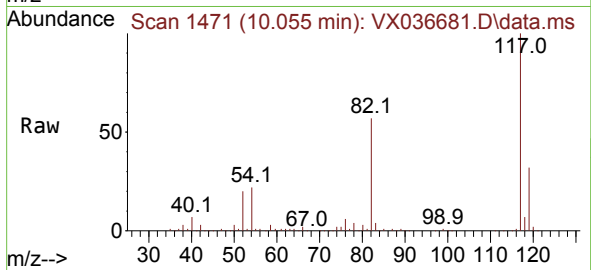
Tgt Ion: 95 Resp: 97322
Ion Ratio Lower Upper
95 100
174 73.0 0.0 135.6
176 71.6 0.0 131.0



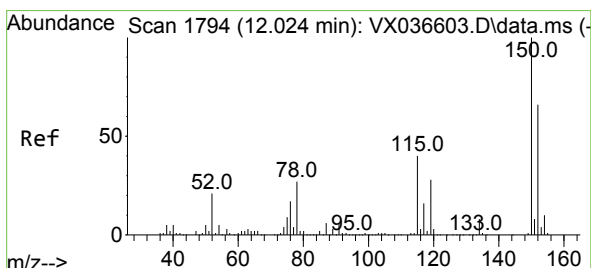
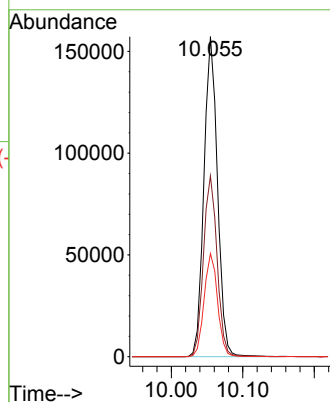
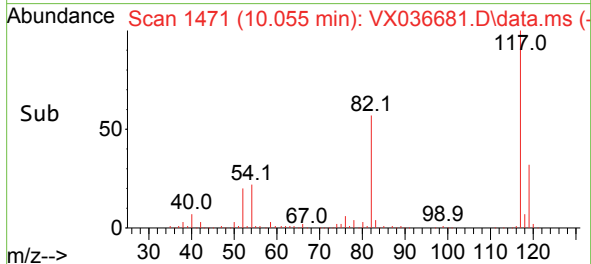


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

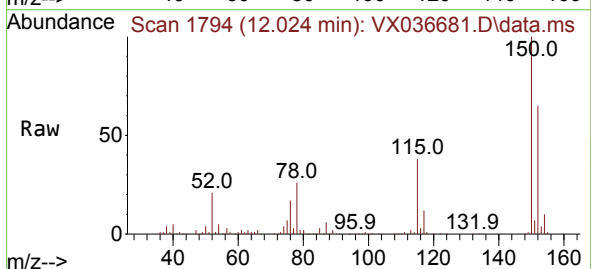
Instrument :
MSVOA_X
ClientSampleId :



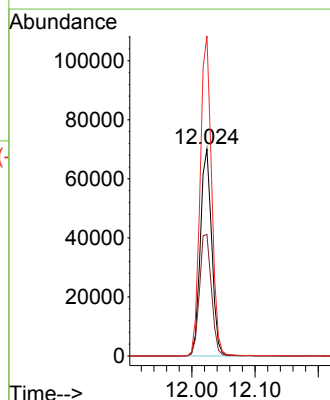
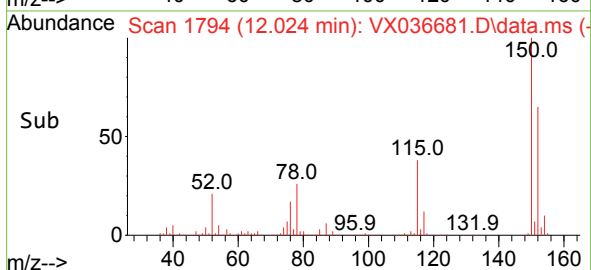
Tgt Ion:117 Resp: 207089
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 32.2 25.5 38.3

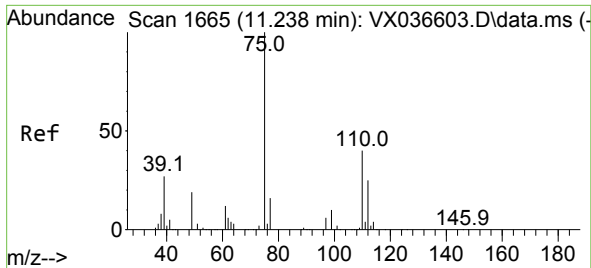


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05



Tgt Ion:152 Resp: 87942
Ion Ratio Lower Upper
152 100
115 61.4 43.3 129.9
150 155.7 0.0 345.0

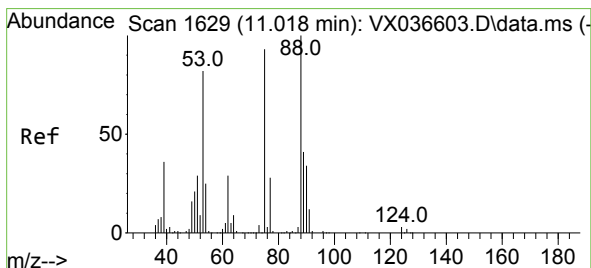
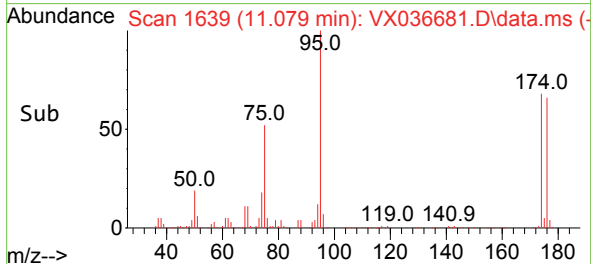
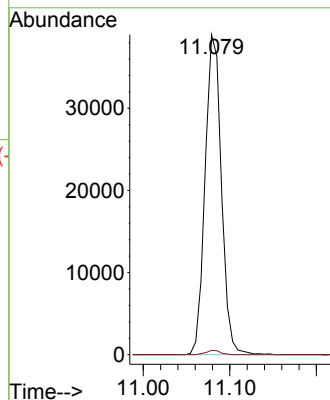
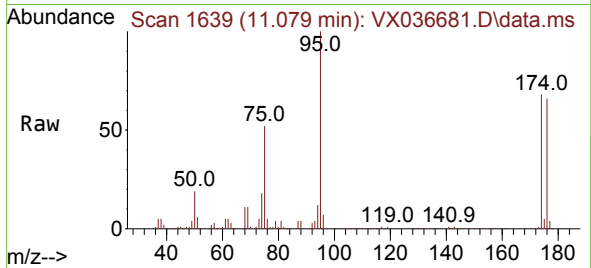




#76
1,2,3-Trichloropropane
Concen: 24.661 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 51012
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.897 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036681.D
Acq: 27 Jul 2023 17:05

Tgt Ion: 75 Resp: 51012
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

