

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122223\
 Data File : VX039443.D
 Acq On : 22 Dec 2023 16:27
 Operator : JC/MD
 Sample : 05966-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 23 06:26:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

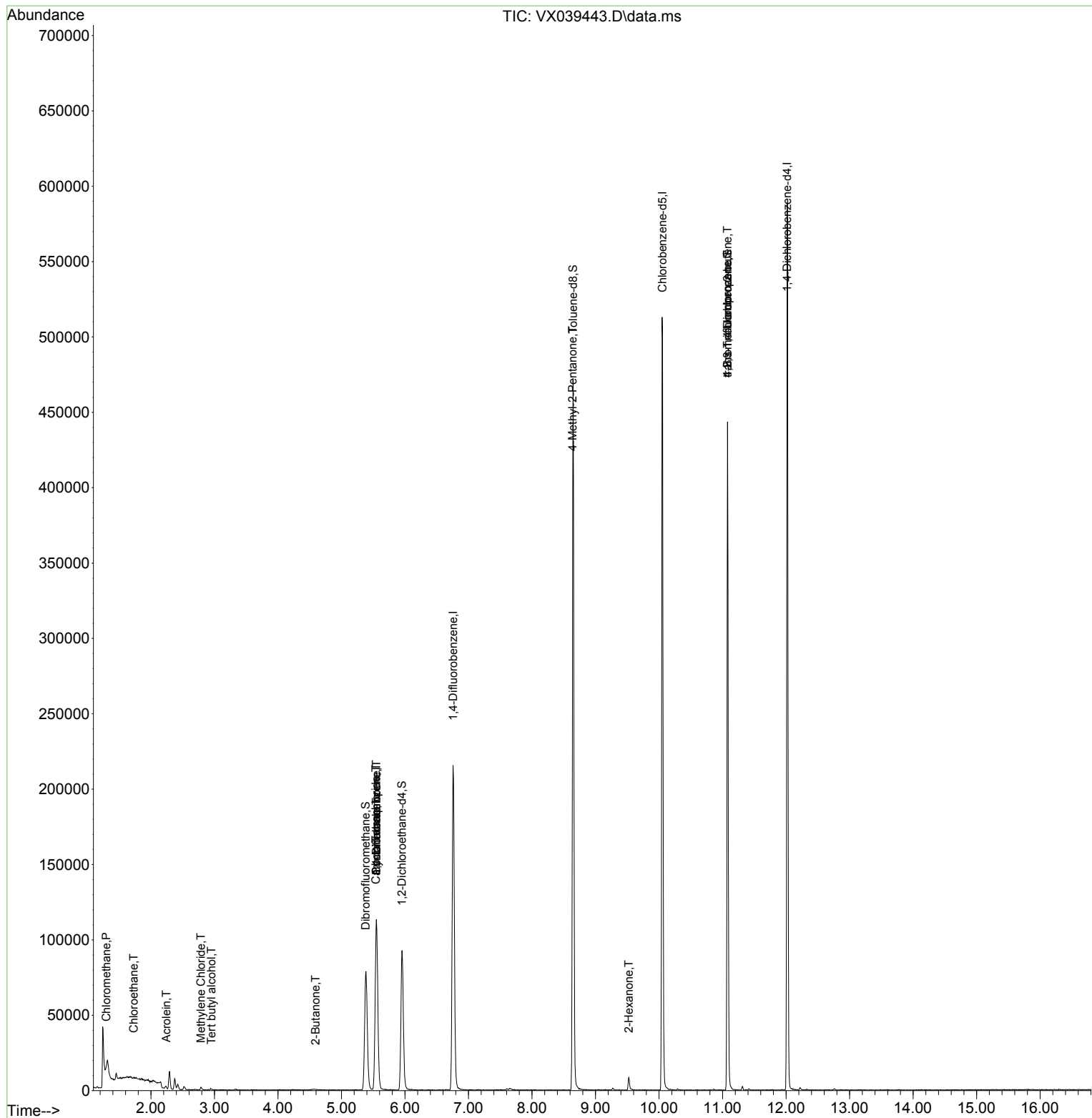
Internal Standards						
1) Pentafluorobenzene	5.550	168	98058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	210325	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	111002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90496	50.378	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.760%			
35) Dibromofluoromethane	5.379	113	69292	47.688	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.380%			
50) Toluene-d8	8.647	98	269359	49.933	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.860%			
62) 4-Bromofluorobenzene	11.079	95	121303	54.501	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.000%			
Target Compounds						Qvalue
3) Chloromethane	1.295	50	403	0.264	ug/l #	43
6) Chloroethane	1.727	64	856	1.000	ug/l #	59
11) Tert butyl alcohol	2.953	59	597	1.323	ug/l #	78
13) Acrolein	2.239	56	1078	2.996	ug/l	91
16) Acetone	2.374	43	7264	Below Cal	#	87
20) Methylene Chloride	2.788	84	753	0.503	ug/l	90
25) 2-Butanone	4.593	43	415	0.268	ug/l #	51
31) Cyclohexane	5.550	56	2965	1.278	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	9525	4.154	ug/l #	50
38) Carbon Tetrachloride	5.544	117	11025	5.038	ug/l #	15
51) 4-Methyl-2-Pentanone	8.641	43	1563	0.533	ug/l #	1
59) 2-Hexanone	9.525	43	1292	0.510	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	66668	23.215	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	66668	65.488	ug/l #	5

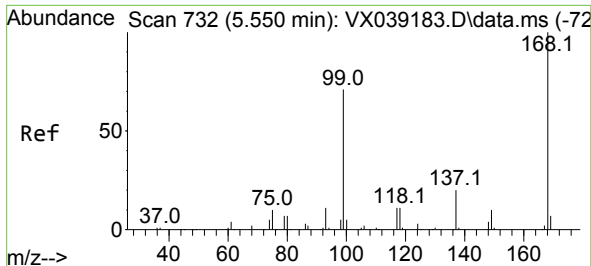
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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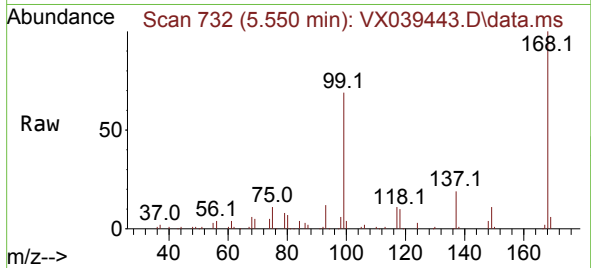


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

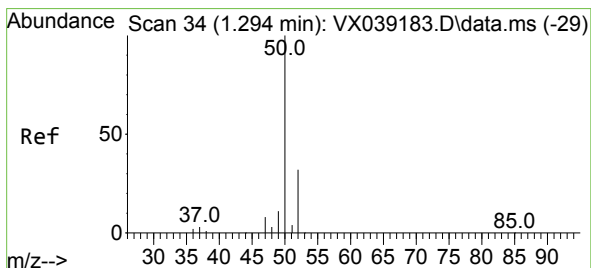
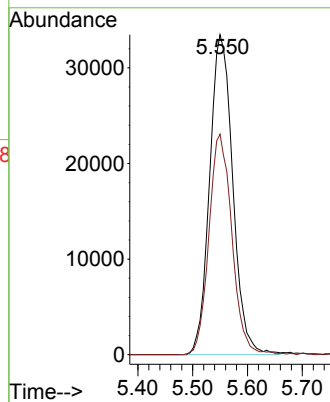
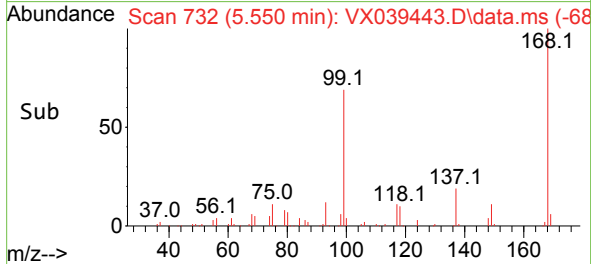
Instrument :

MSVOA_X

ClientSampleId :

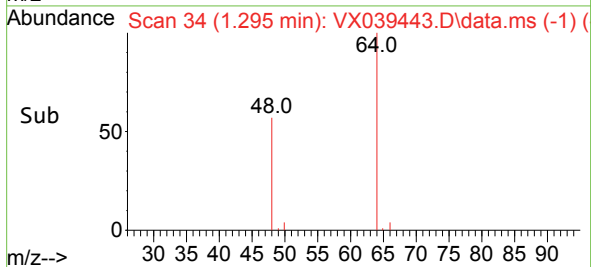
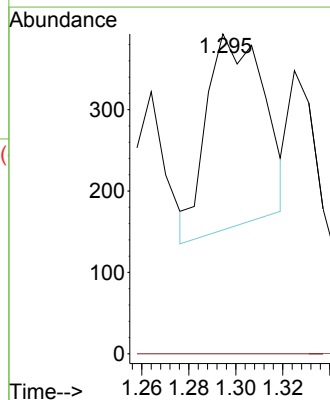
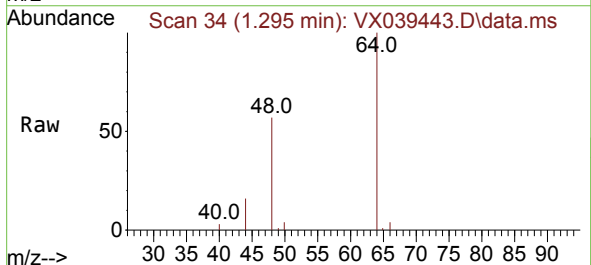


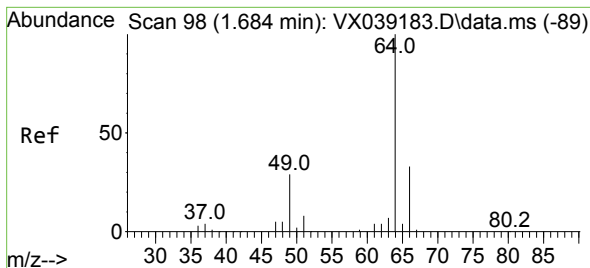
Tgt Ion:168 Resp: 98058
Ion Ratio Lower Upper
168 100
99 68.9 56.6 85.0



#3
Chloromethane
Concen: 0.264 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

Tgt Ion: 50 Resp: 403
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#6

Chloroethane

Concen: 1.000 ug/l

RT: 1.727 min Scan# 105

Delta R.T. 0.043 min

Lab File: VX039443.D

Acq: 22 Dec 2023 16:27

Instrument :

MSVOA_X

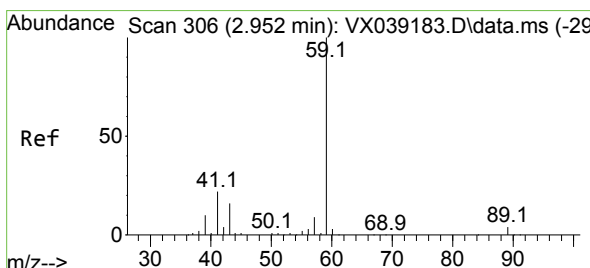
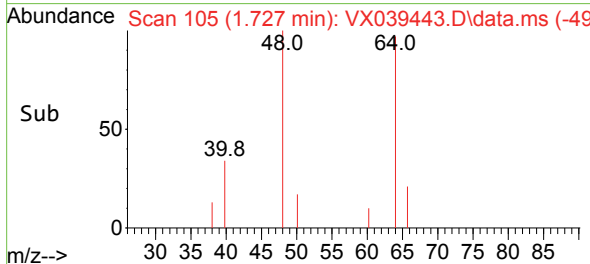
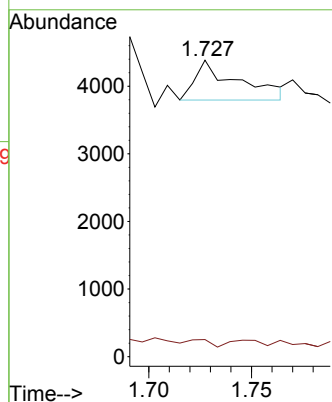
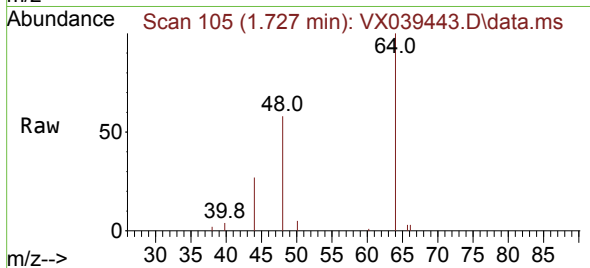
ClientSampleId :

Tgt Ion: 64 Resp: 856

Ion Ratio Lower Upper

64 100

66 8.6 25.1 37.7#



#11

Tert butyl alcohol

Concen: 1.323 ug/l

RT: 2.953 min Scan# 306

Delta R.T. 0.000 min

Lab File: VX039443.D

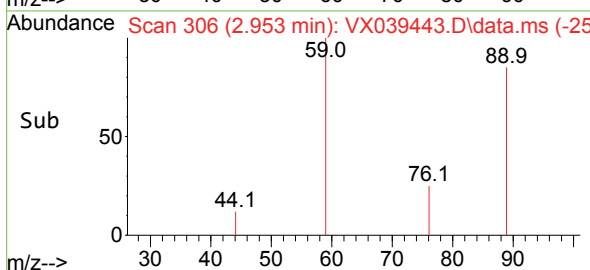
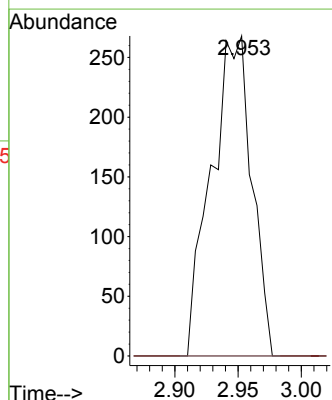
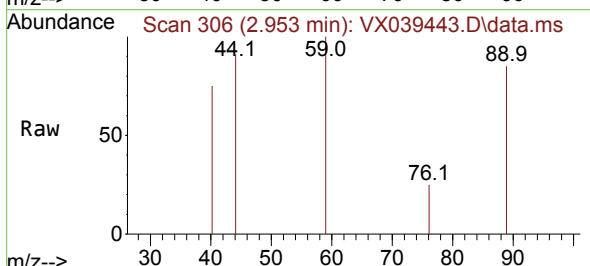
Acq: 22 Dec 2023 16:27

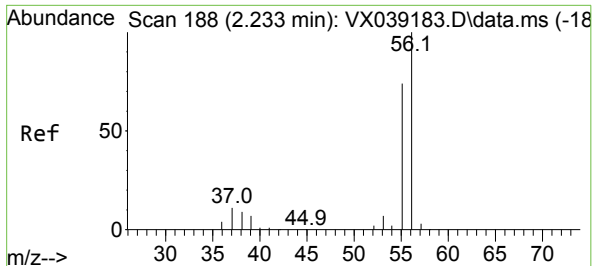
Tgt Ion: 59 Resp: 597

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#13

Acrolein

Concen: 2.996 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX039443.D

Acq: 22 Dec 2023 16:27

Instrument :

MSVOA_X

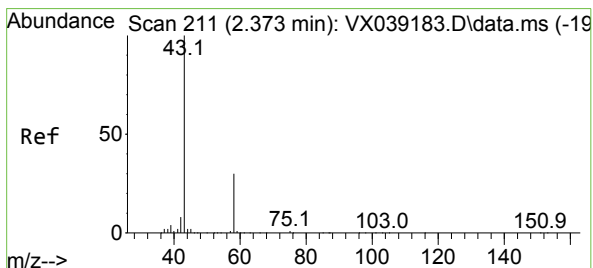
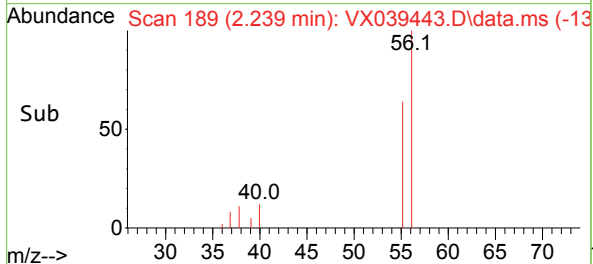
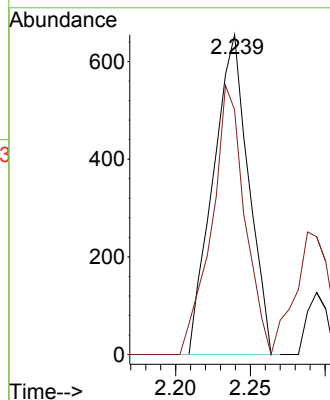
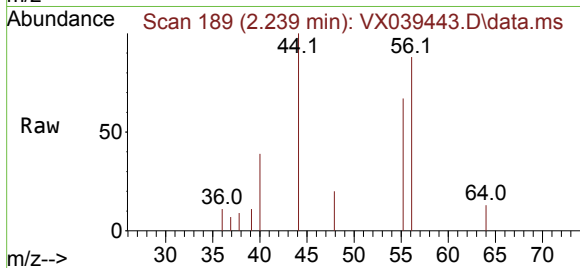
ClientSampleId :

Tgt Ion: 56 Resp: 1078

Ion Ratio Lower Upper

56 100

55 78.6 57.1 85.7



#16

Acetone

Concen: Below Cal

RT: 2.374 min Scan# 211

Delta R.T. 0.001 min

Lab File: VX039443.D

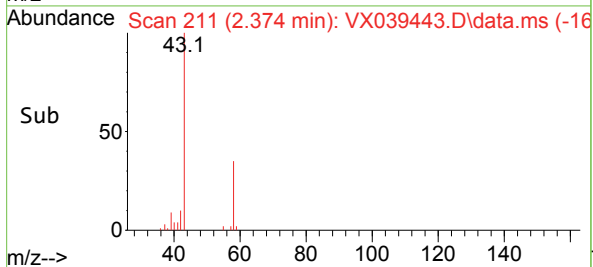
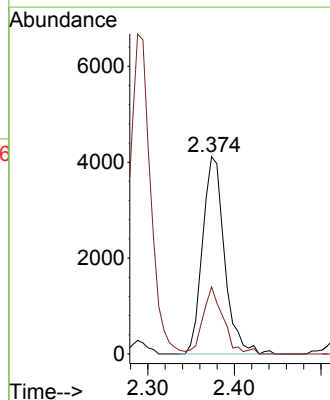
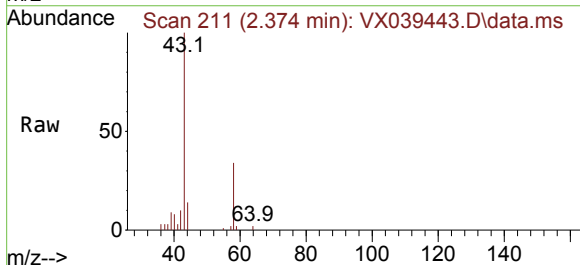
Acq: 22 Dec 2023 16:27

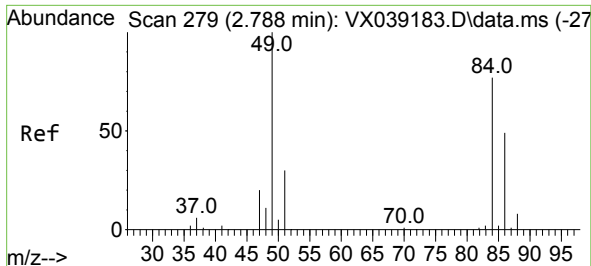
Tgt Ion: 43 Resp: 7264

Ion Ratio Lower Upper

43 100

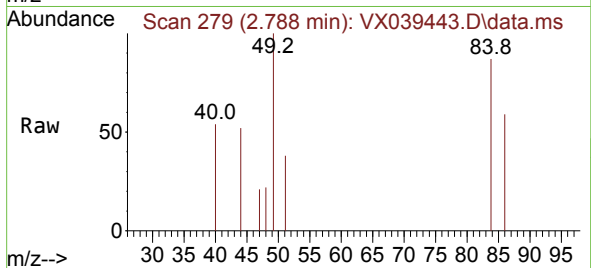
58 34.0 21.9 32.9#





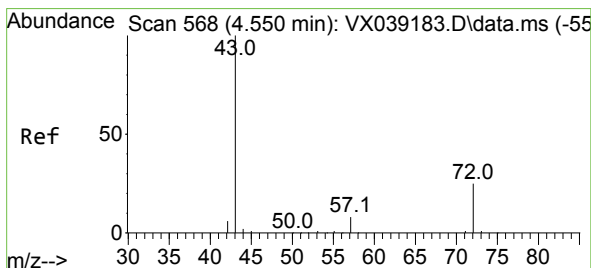
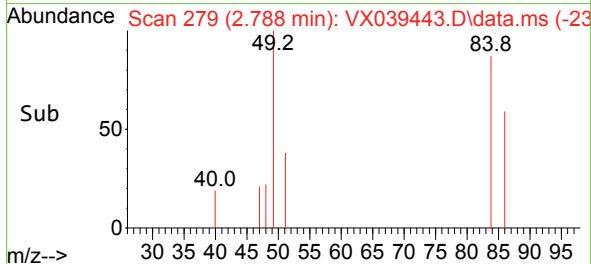
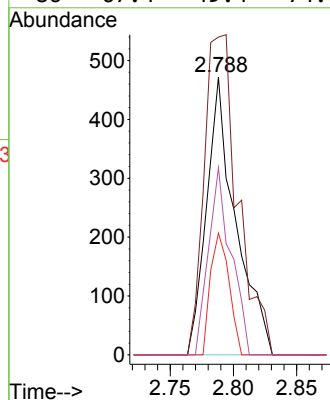
#20
Methylene Chloride
Concen: 0.503 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 753

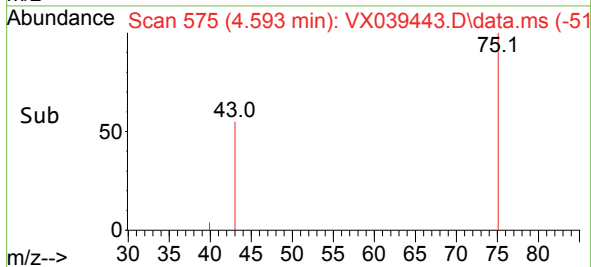
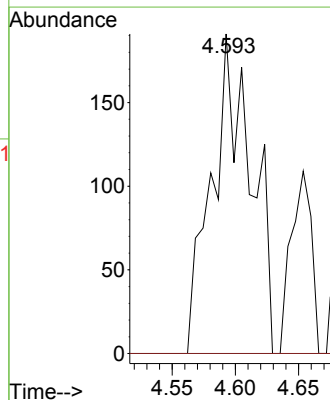
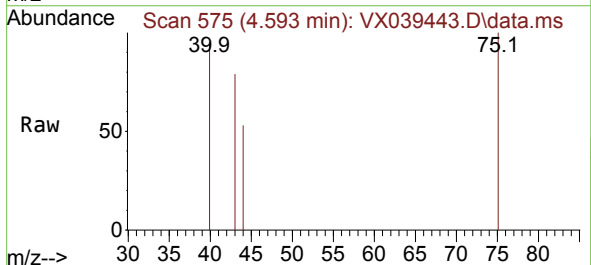
Ion	Ratio	Lower	Upper
84	100		
49	114.4	103.6	155.4
51	43.9	33.8	50.6
86	67.4	49.4	74.0

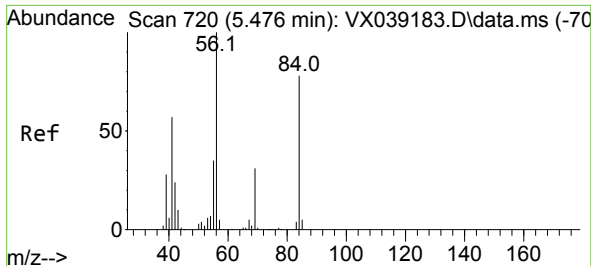


#25
2-Butanone
Concen: 0.268 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.043 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

Tgt Ion: 43 Resp: 415

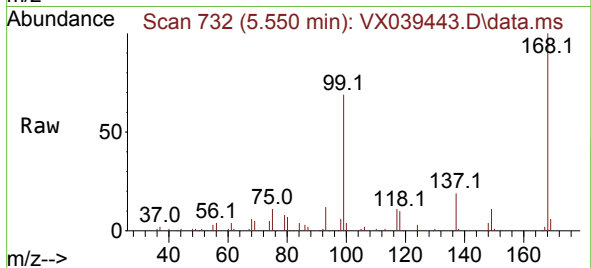
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#



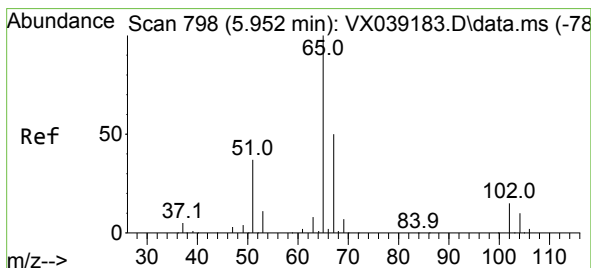
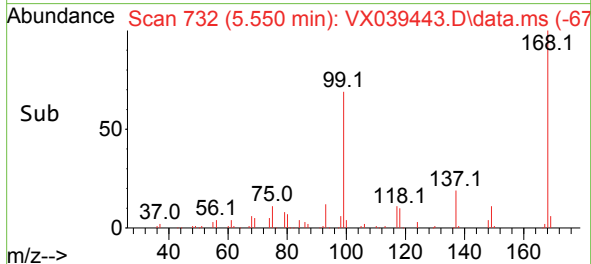
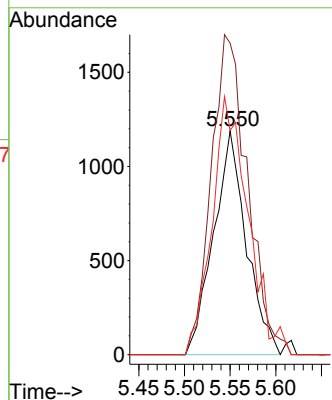


#31
Cyclohexane
Concen: 1.278 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

Instrument :
MSVOA_X
ClientSampleId :

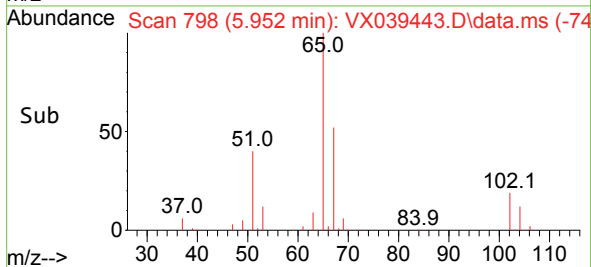
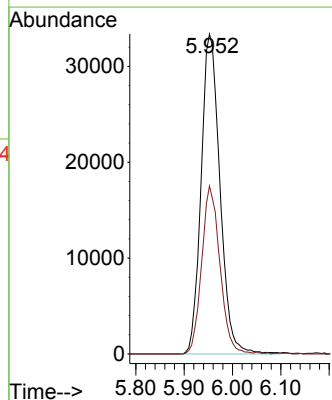
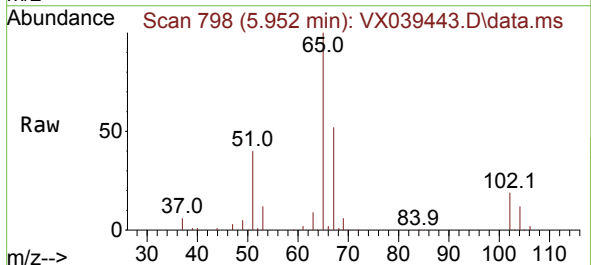


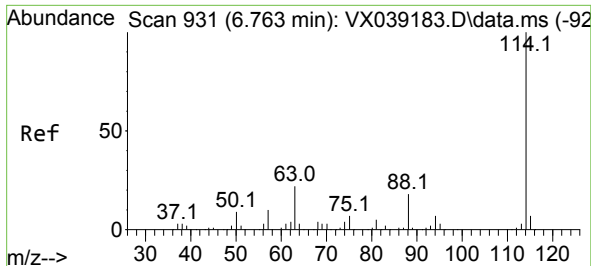
Tgt Ion: 56 Resp: 2965
Ion Ratio Lower Upper
56 100
69 139.3 23.4 35.2#
84 100.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 50.378 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

Tgt Ion: 65 Resp: 90496
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.2

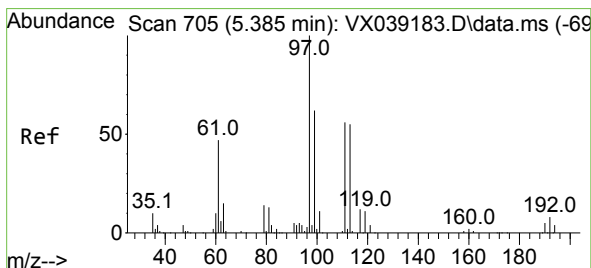
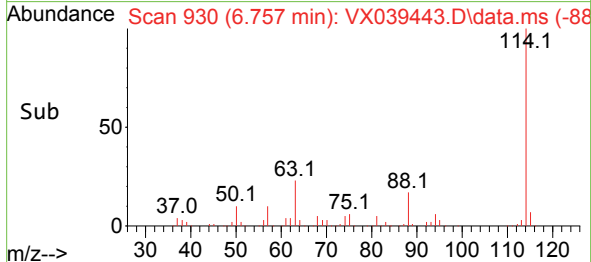
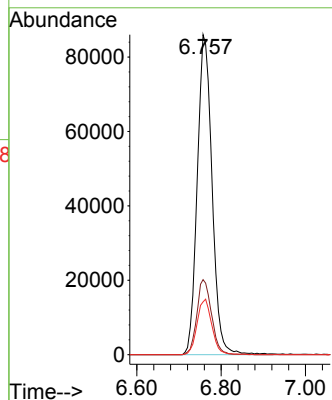
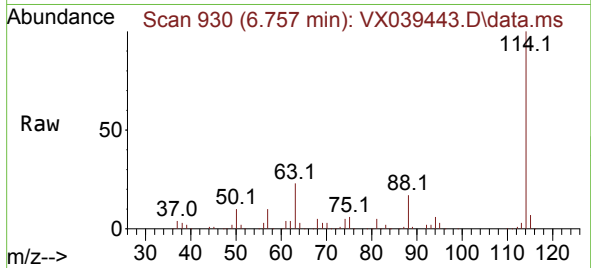




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

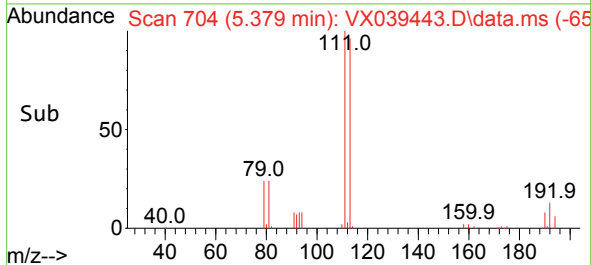
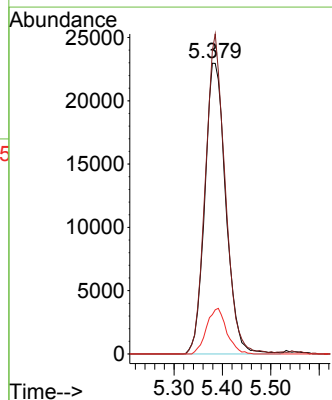
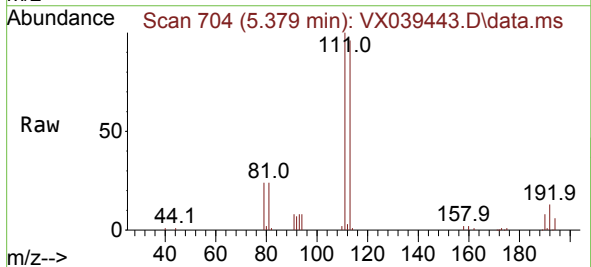
Instrument :
MSVOA_X
ClientSampleId :

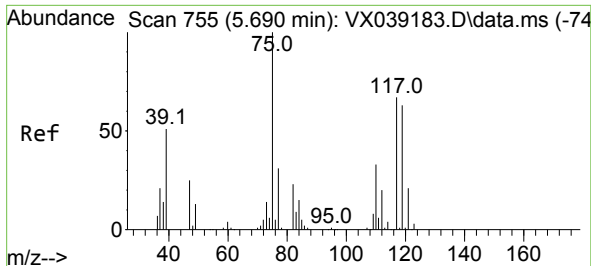
Tgt Ion:114 Resp: 210325
Ion Ratio Lower Upper
114 100
63 23.4 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.688 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

Tgt Ion:113 Resp: 69292
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 15.0 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.154 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

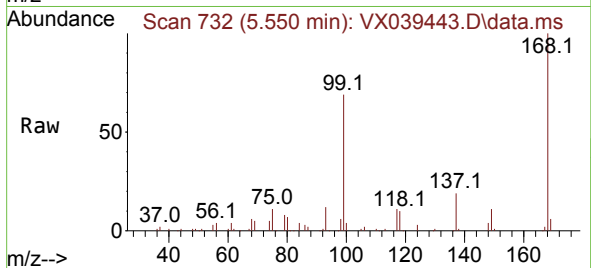
Lab File: VX039443.D

Acq: 22 Dec 2023 16:27

Instrument :

MSVOA_X

ClientSampleId :



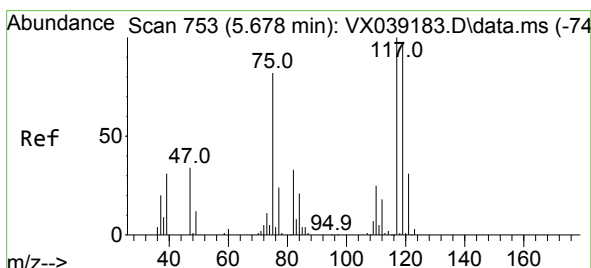
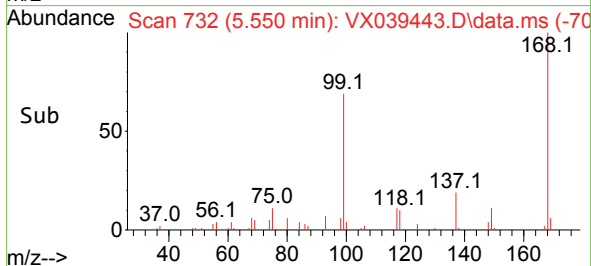
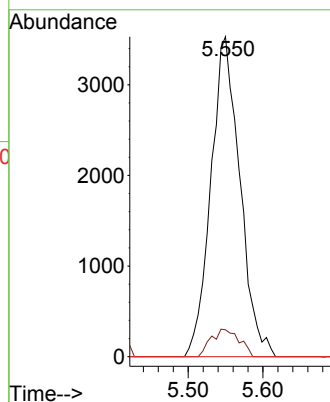
Tgt Ion: 75 Resp: 9525

Ion Ratio Lower Upper

75 100

110 8.4 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.038 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX039443.D

Acq: 22 Dec 2023 16:27

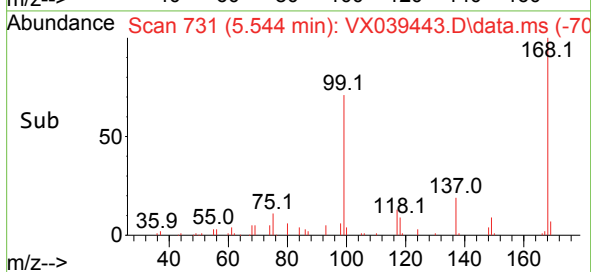
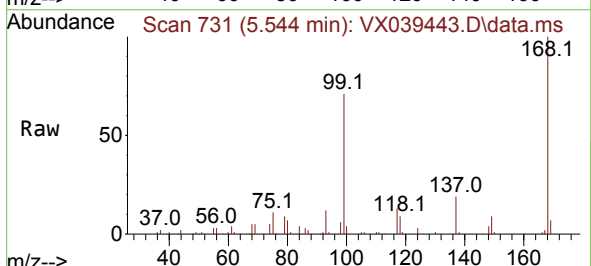
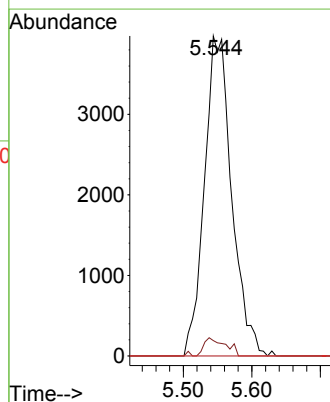
Tgt Ion: 117 Resp: 11025

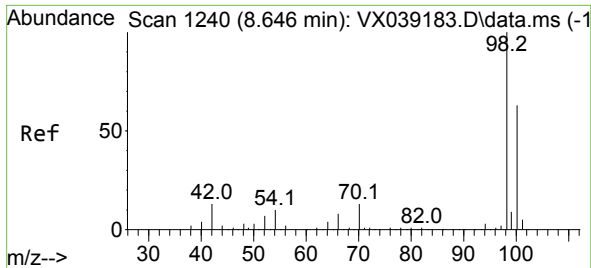
Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

121 0.0 24.4 36.6#

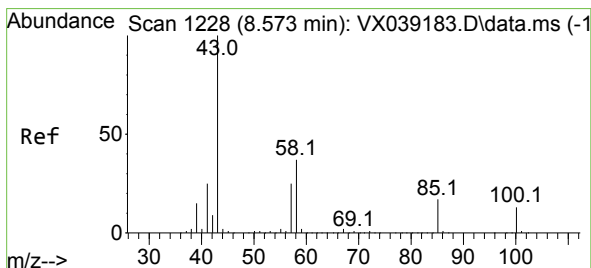
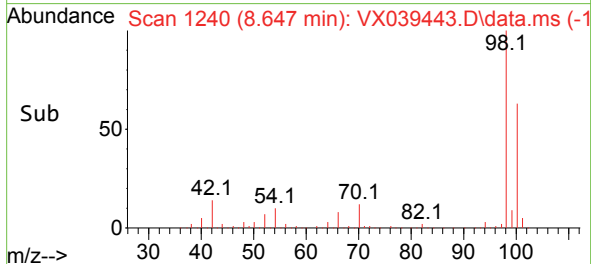
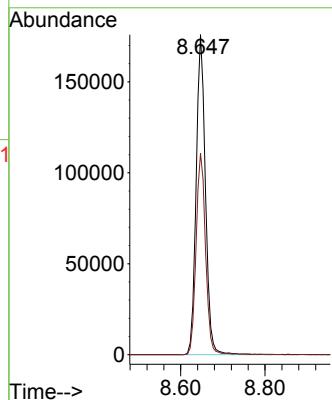
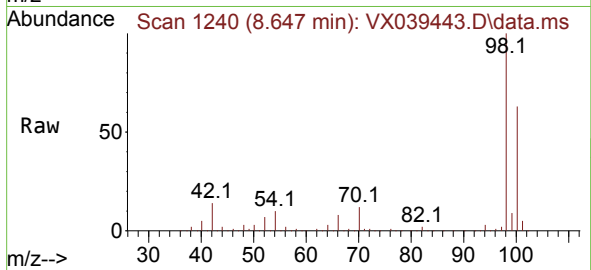




#50
Toluene-d8
Concen: 49.933 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

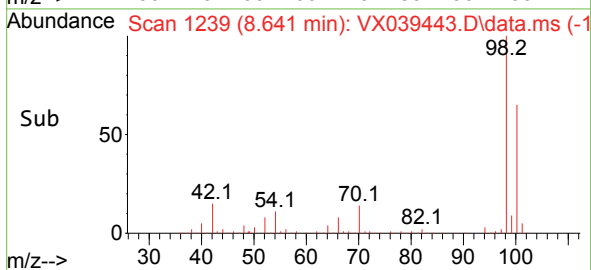
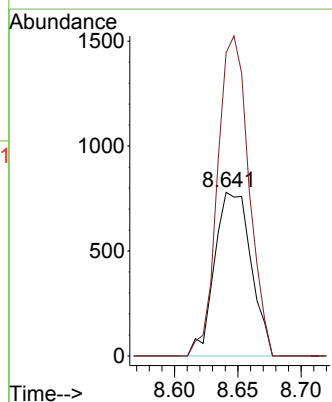
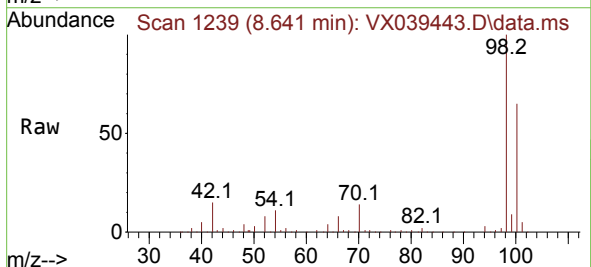
Instrument :
MSVOA_X
ClientSampleId :

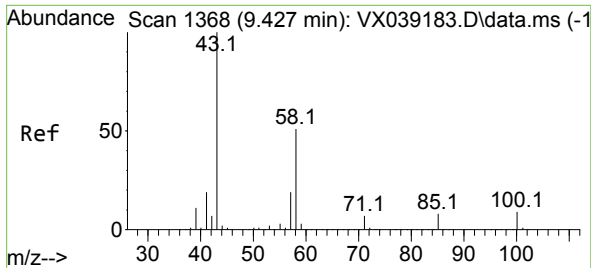
Tgt Ion: 98 Resp: 269359
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.533 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

Tgt Ion: 43 Resp: 1563
Ion Ratio Lower Upper
43 100
58 168.0 30.4 45.6#

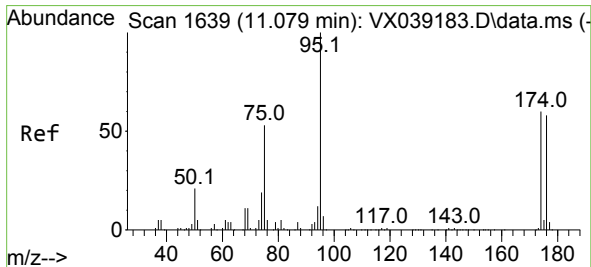
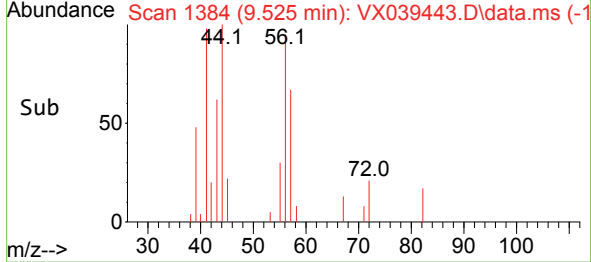
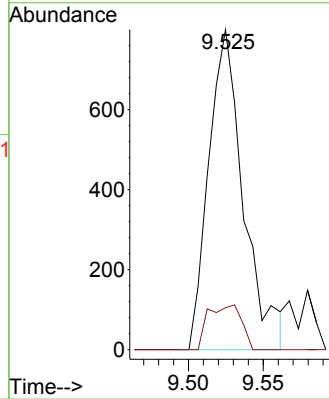
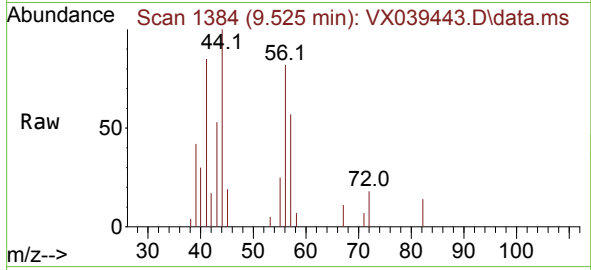




#59
2-Hexanone
Concen: 0.510 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.098 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

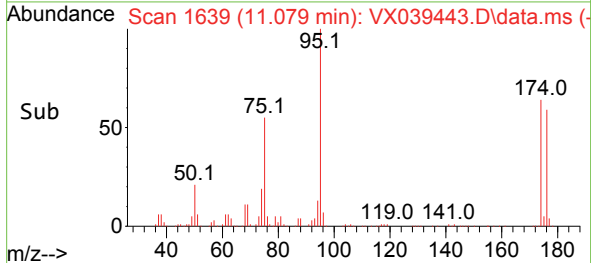
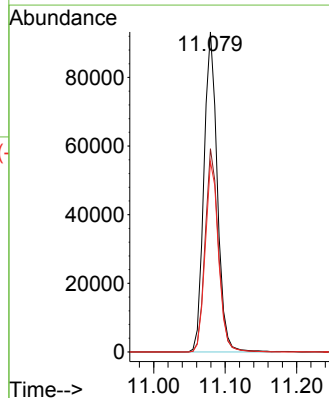
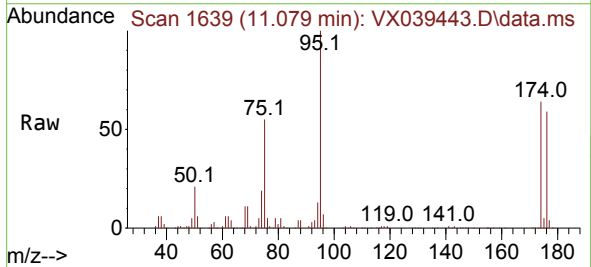
Instrument :
MSVOA_X
ClientSampleId :

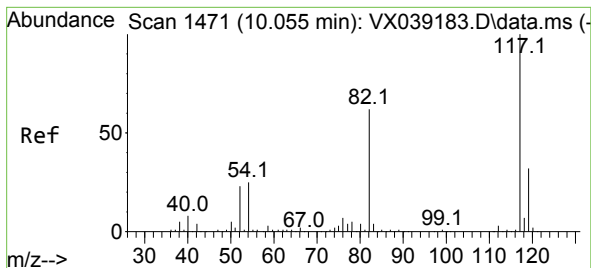
Tgt Ion: 43 Resp: 1292
Ion Ratio Lower Upper
43 100
58 13.4 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 54.501 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

Tgt Ion: 95 Resp: 121303
Ion Ratio Lower Upper
95 100
174 63.1 0.0 135.6
176 59.4 0.0 131.0

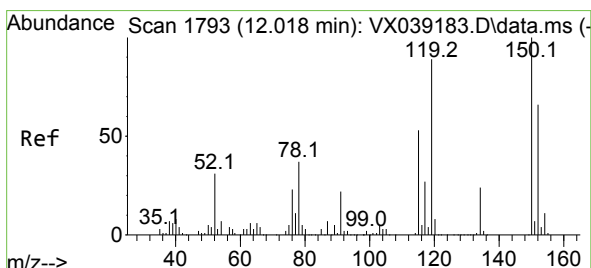
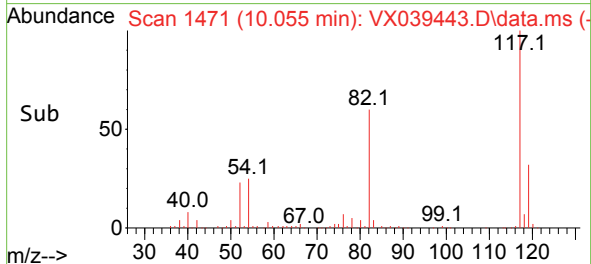
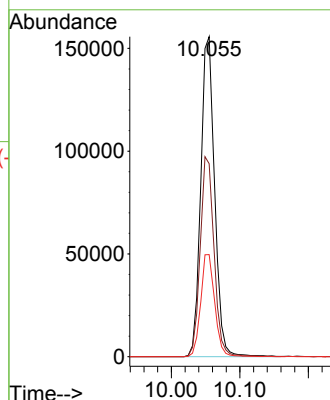
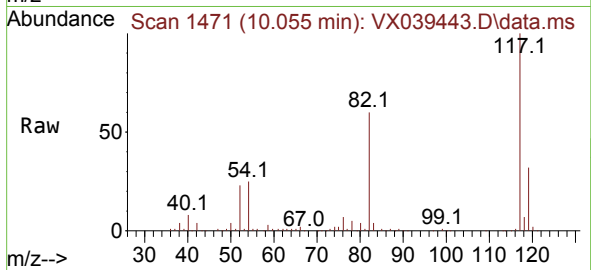




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

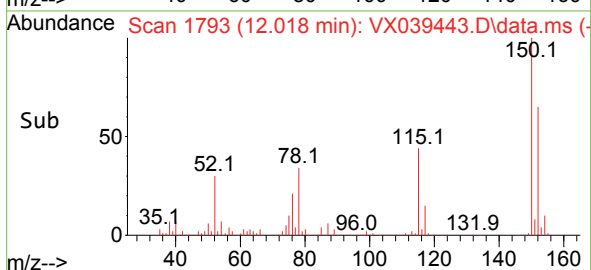
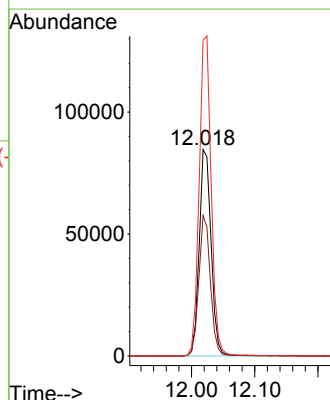
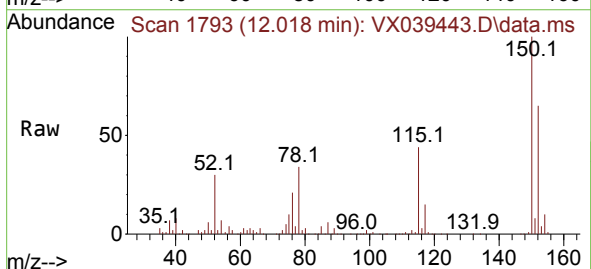
Instrument :
MSVOA_X
ClientSampleId :

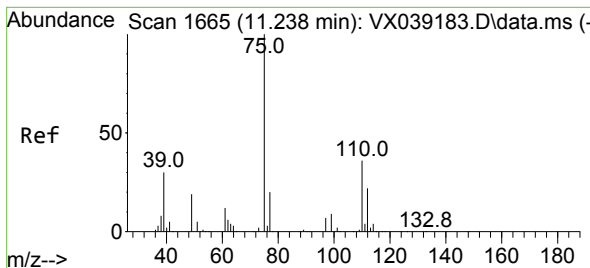
Tgt Ion:117 Resp: 219566
Ion Ratio Lower Upper
117 100
82 60.3 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX039443.D
Acq: 22 Dec 2023 16:27

Tgt Ion:152 Resp: 111002
Ion Ratio Lower Upper
152 100
115 66.2 43.3 129.9
150 157.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.215 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039443.D

Acq: 22 Dec 2023 16:27

Instrument :

MSVOA_X

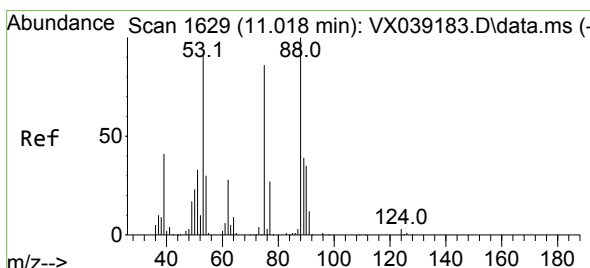
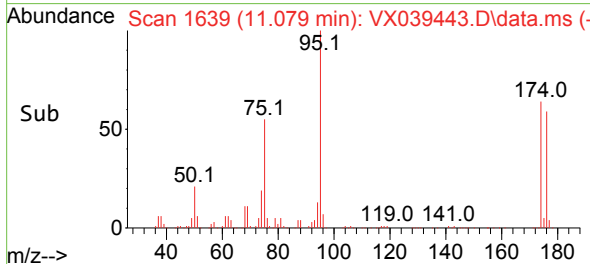
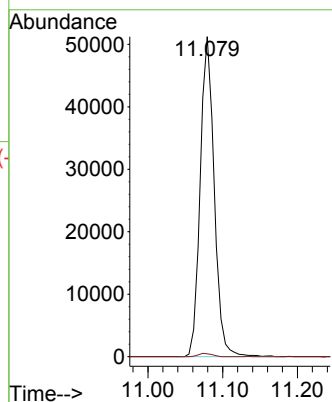
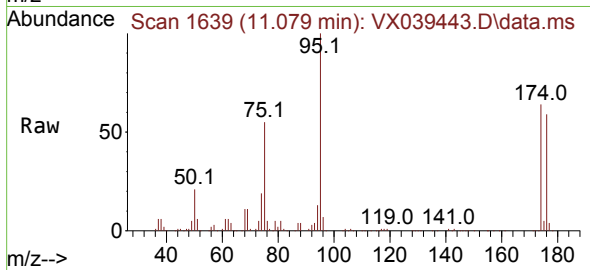
ClientSampleId :

Tgt Ion: 75 Resp: 66668

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.488 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039443.D

Acq: 22 Dec 2023 16:27

Tgt Ion: 75 Resp: 66668

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

