

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122223\
 Data File : VX039437.D
 Acq On : 22 Dec 2023 14:10
 Operator : JC/MD
 Sample : 05966-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 23 06:24:43 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)

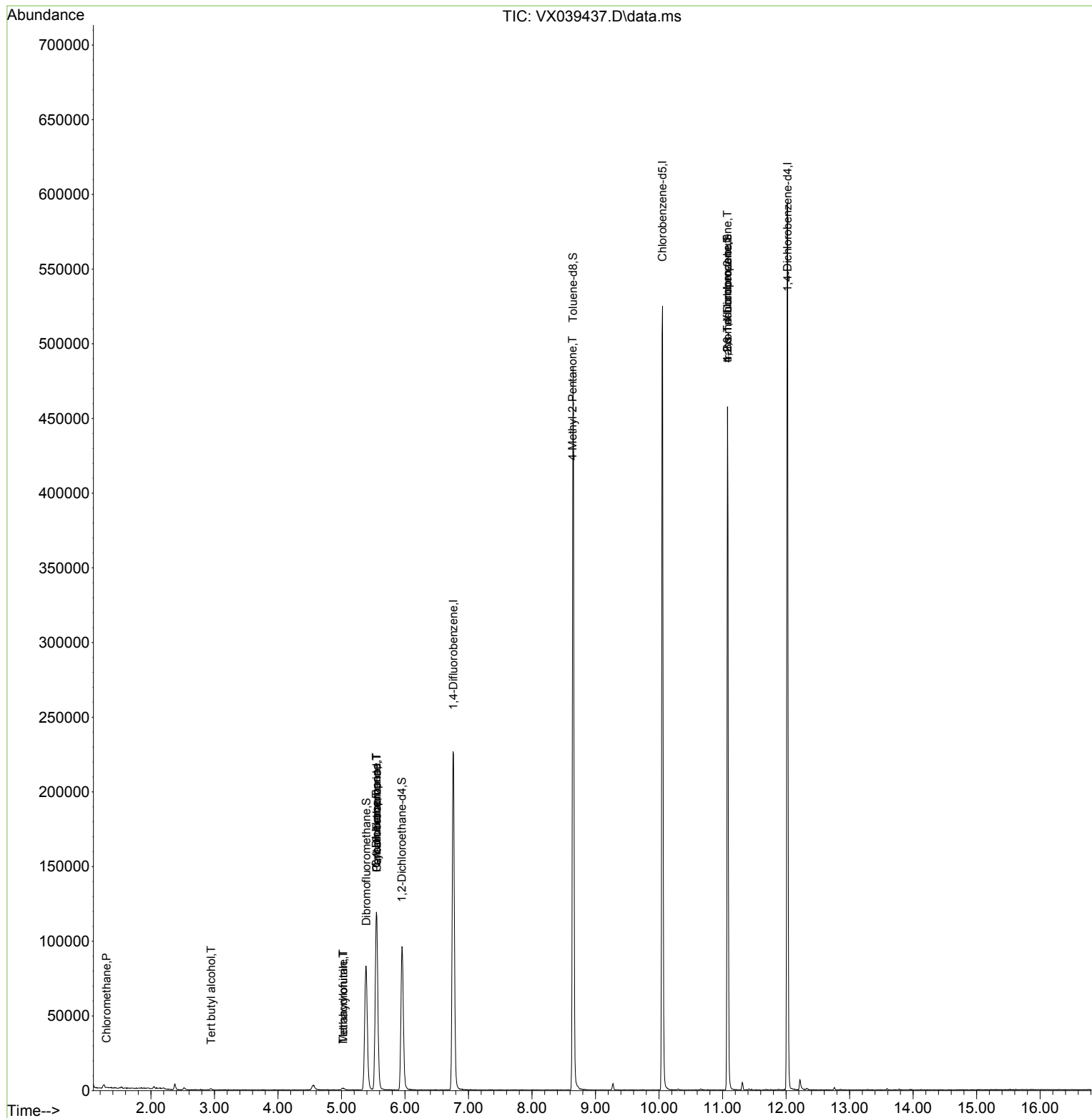
Internal Standards						
1) Pentafluorobenzene	5.556	168	103988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	221740	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94288	49.495	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.000%
35) Dibromofluoromethane	5.391	113	72902	47.590	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.180%
50) Toluene-d8	8.647	98	282318	49.641	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.280%
62) 4-Bromofluorobenzene	11.079	95	127456	54.317	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.640%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	343	0.212	ug/l #	43
11) Tert butyl alcohol	2.946	59	657	1.373	ug/l #	78
16) Acetone	2.373	43	4052	Below Cal		93
29) Tetrahydrofuran	5.025	42	1298	1.430	ug/l #	81
31) Cyclohexane	5.550	56	2998	1.218	ug/l #	27
36) 1,1-Dichloropropene	5.550	75	10221	4.228	ug/l #	51
38) Carbon Tetrachloride	5.556	117	11953	5.181	ug/l #	15
41) Methacrylonitrile	5.025	41	808	0.507	ug/l #	41
51) 4-Methyl-2-Pentanone	8.640	43	1670	0.540	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	69032	22.793	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	69032	64.299	ug/l #	5

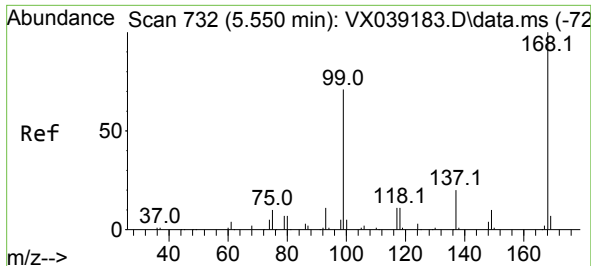
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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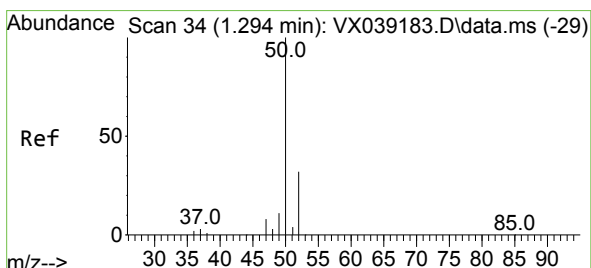
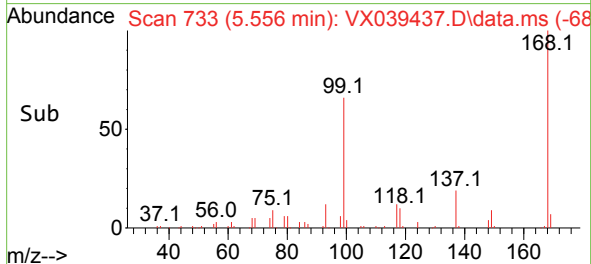
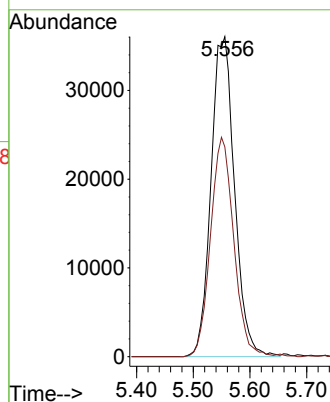
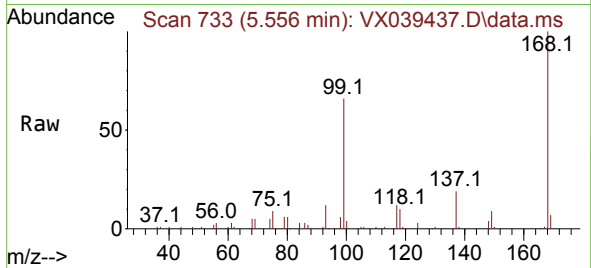




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

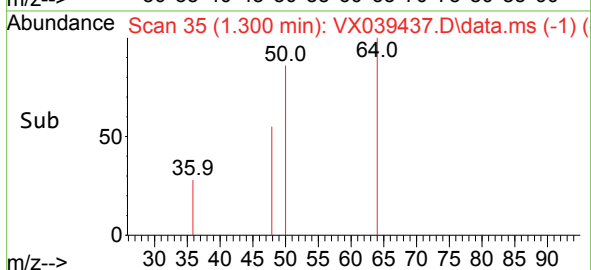
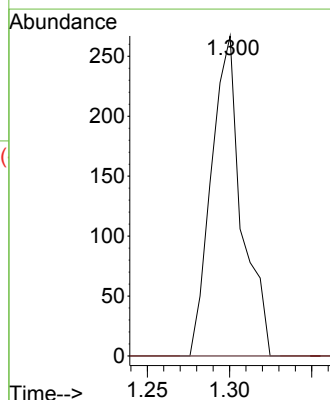
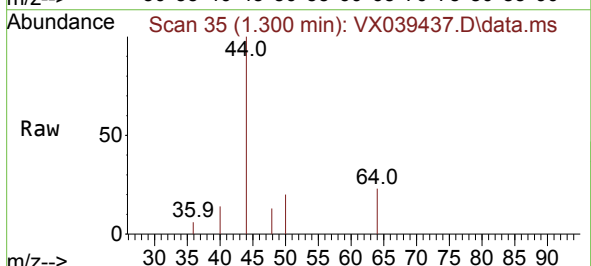
Instrument :
MSVOA_X
ClientSampleId :

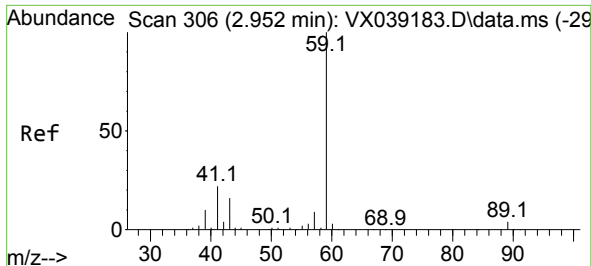
Tgt Ion:168 Resp: 103988
Ion Ratio Lower Upper
168 100
99 65.5 56.6 85.0



#3
Chloromethane
Concen: 0.212 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

Tgt Ion: 50 Resp: 343
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#11

Tert butyl alcohol

Concen: 1.373 ug/l

RT: 2.946 min Scan# 306

Delta R.T. -0.006 min

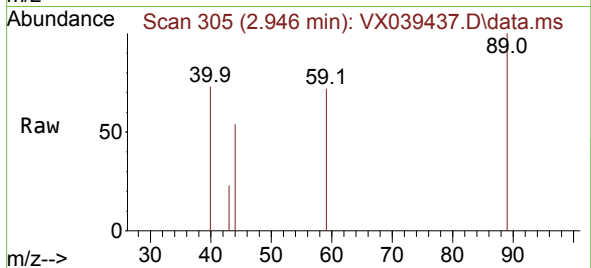
Lab File: VX039437.D

Acq: 22 Dec 2023 14:10

Instrument :

MSVOA_X

ClientSampleId :

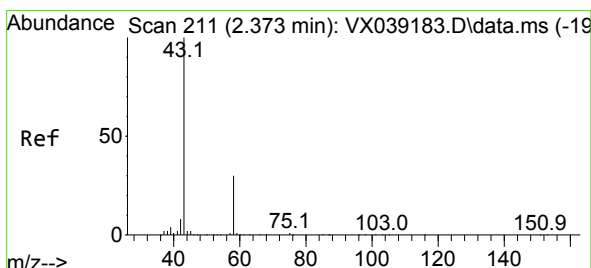
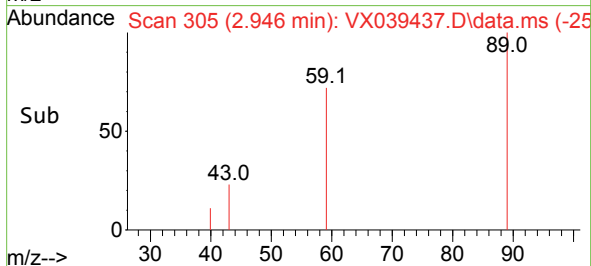
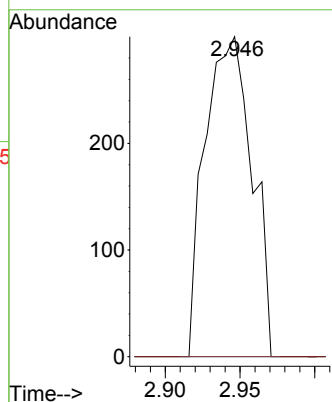


Tgt Ion: 59 Resp: 657

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: Below Cal

RT: 2.373 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX039437.D

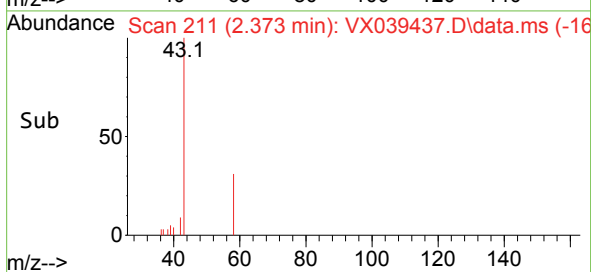
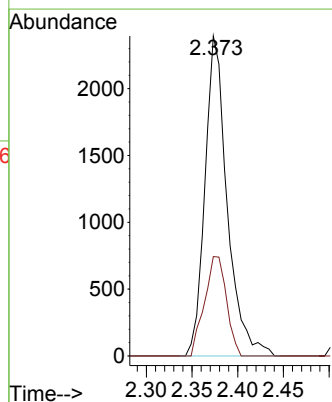
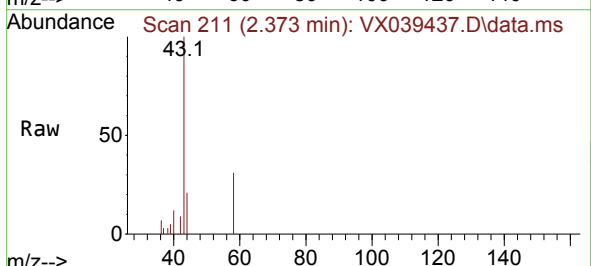
Acq: 22 Dec 2023 14:10

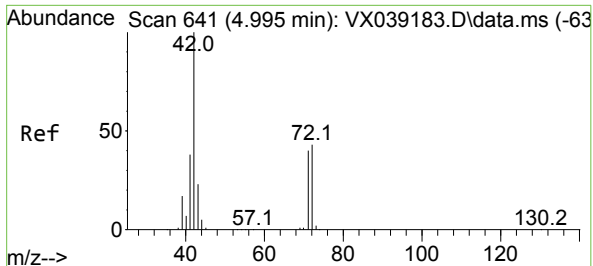
Tgt Ion: 43 Resp: 4052

Ion Ratio Lower Upper

43 100

58 31.0 21.9 32.9





#29

Tetrahydrofuran

Concen: 1.430 ug/l

RT: 5.025 min Scan# 641

Delta R.T. 0.031 min

Lab File: VX039437.D

Acq: 22 Dec 2023 14:10

Instrument :

MSVOA_X

ClientSampleId :

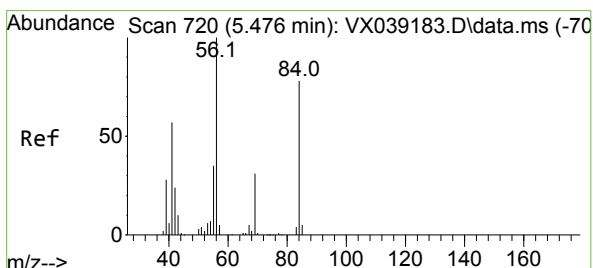
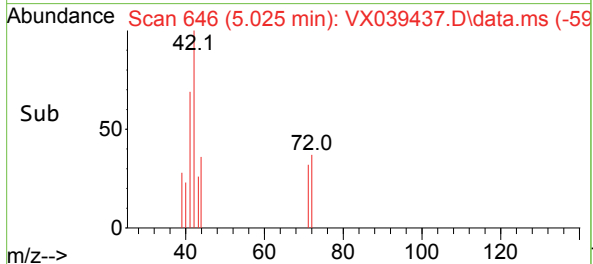
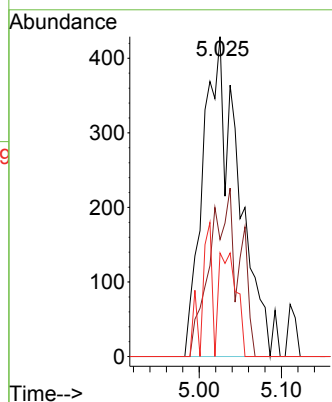
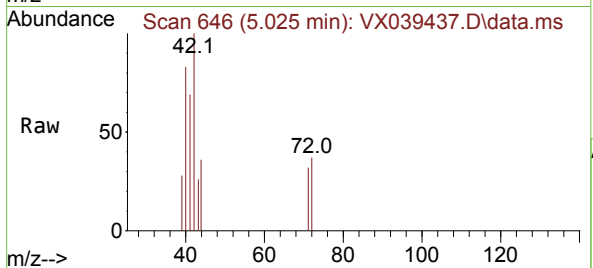
Tgt Ion: 42 Resp: 1298

Ion Ratio Lower Upper

42 100

72 42.9 34.2 51.4

71 16.2 32.2 48.2#



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX039437.D

Acq: 22 Dec 2023 14:10

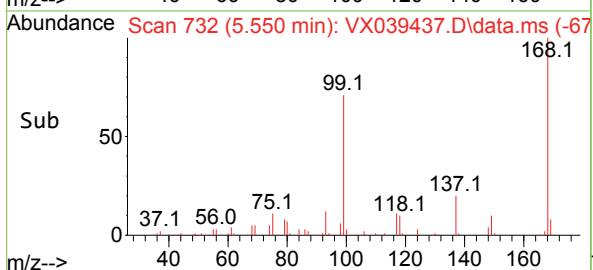
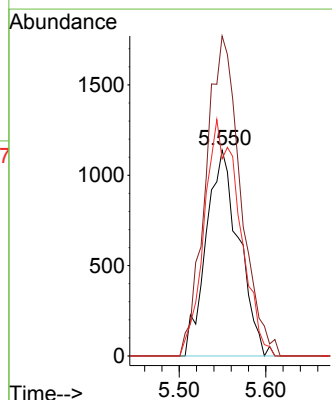
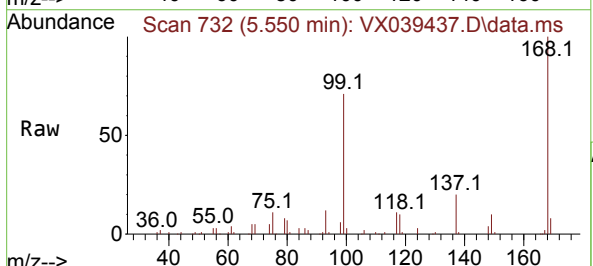
Tgt Ion: 56 Resp: 2998

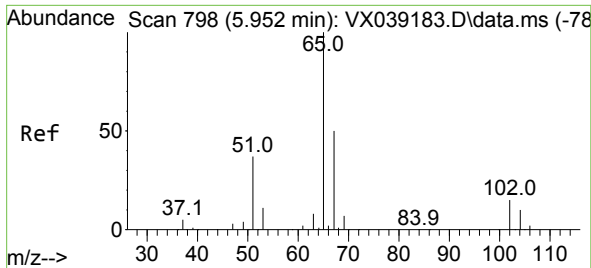
Ion Ratio Lower Upper

56 100

69 155.5 23.4 35.2#

84 95.8 65.9 98.9

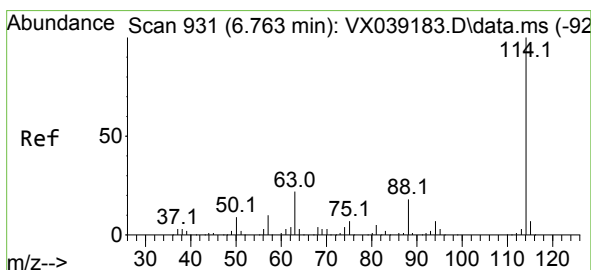
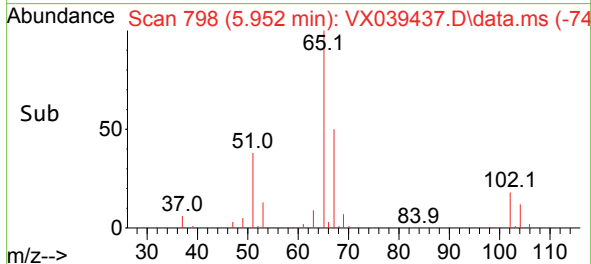
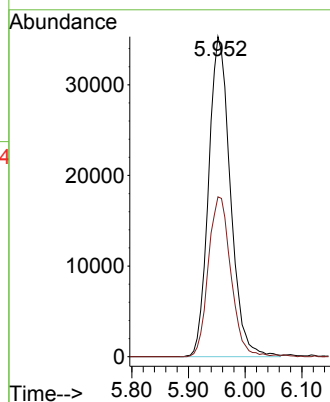
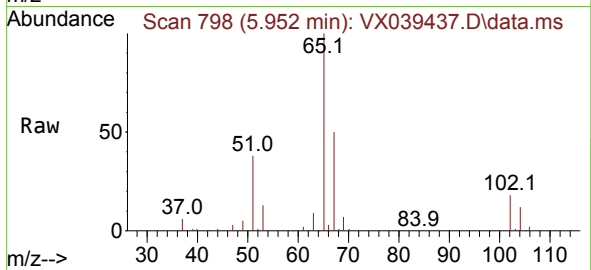




#33
1,2-Dichloroethane-d4
Concen: 49.495 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

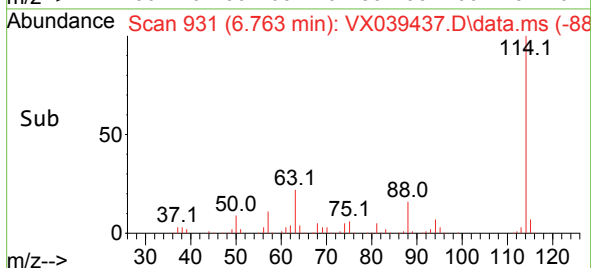
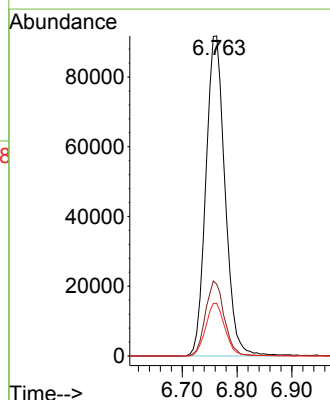
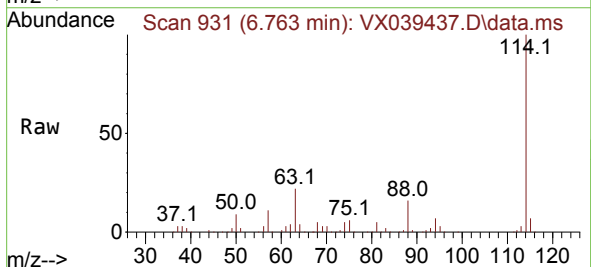
Instrument :
MSVOA_X
ClientSampleId :

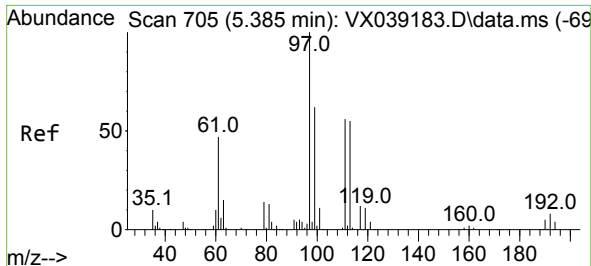
Tgt Ion: 65 Resp: 94288
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

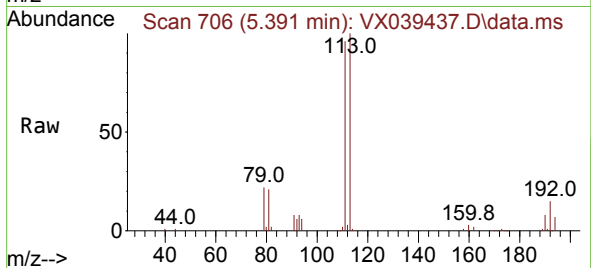
Tgt Ion: 114 Resp: 221740
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.0
88 16.5 0.0 36.6



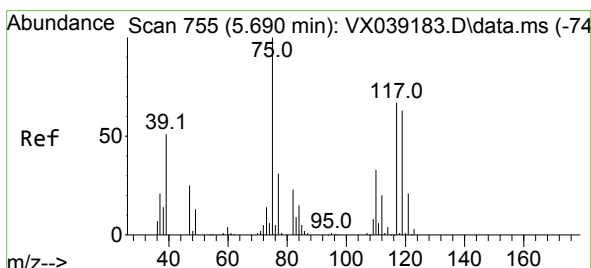
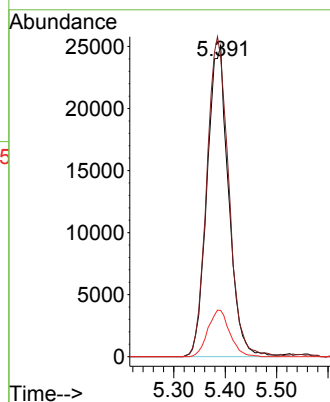
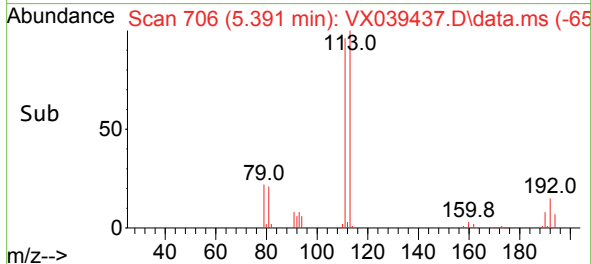


#35
Dibromofluoromethane
Concen: 47.590 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

Instrument :
MSVOA_X
ClientSampleId :

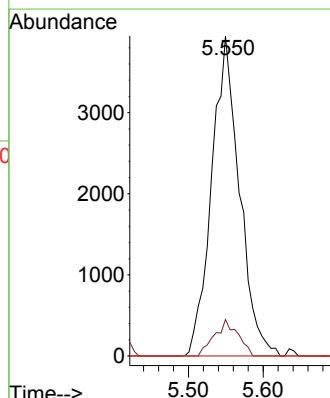
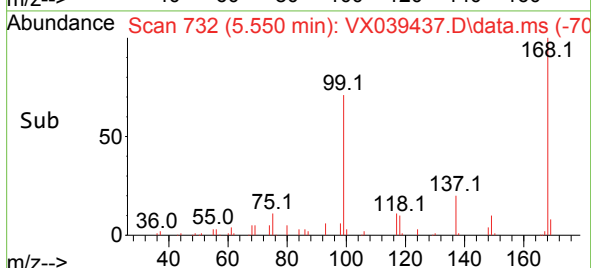
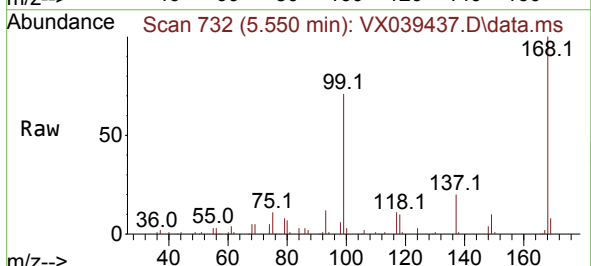


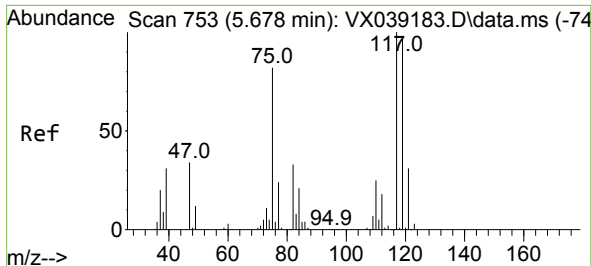
Tgt Ion:113 Resp: 72902
Ion Ratio Lower Upper
113 100
111 104.7 82.9 124.3
192 15.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.228 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

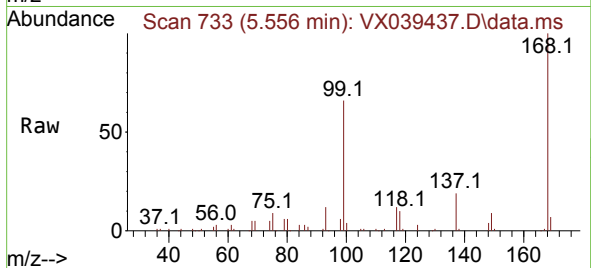
Tgt Ion: 75 Resp: 10221
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



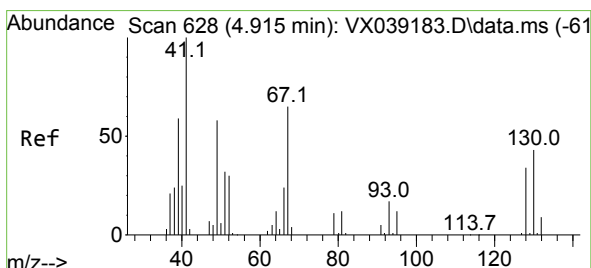
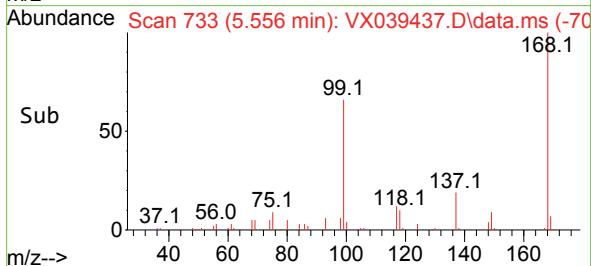
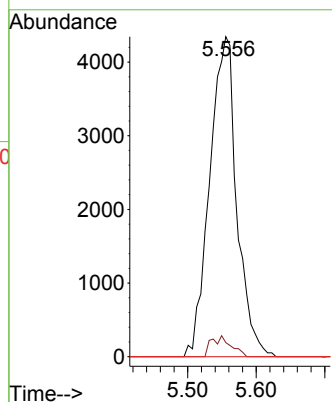


#38
Carbon Tetrachloride
Concen: 5.181 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

Instrument :
MSVOA_X
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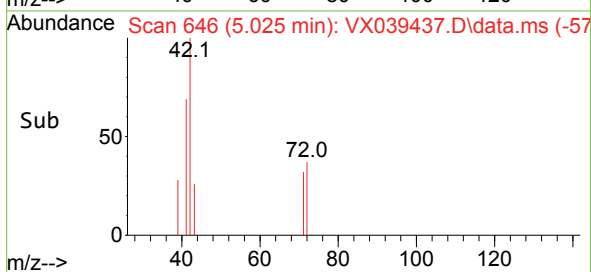
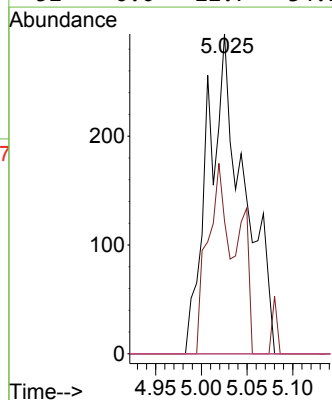
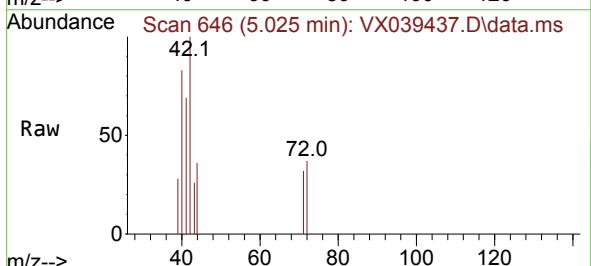


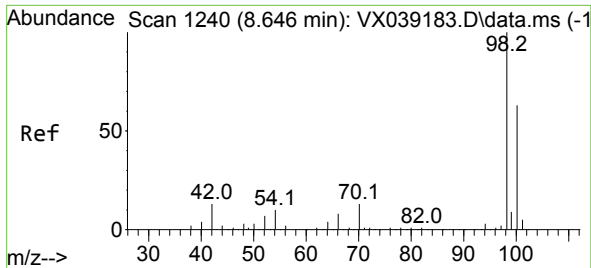
Tgt Ion:117 Resp: 11953
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.507 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

Tgt Ion: 41 Resp: 808
Ion Ratio Lower Upper
41 100
39 31.8 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

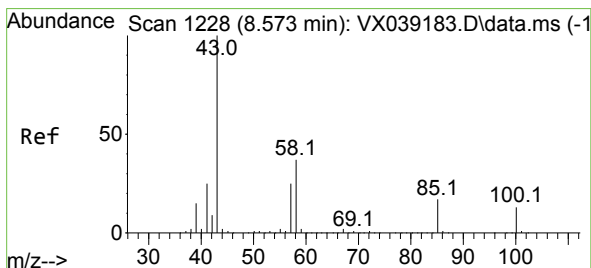
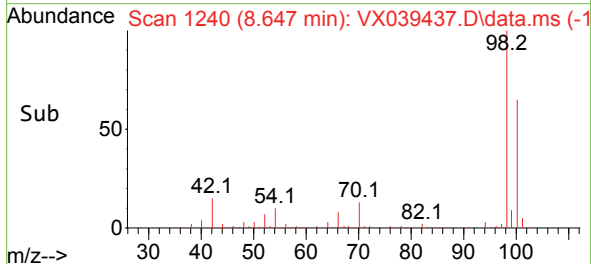
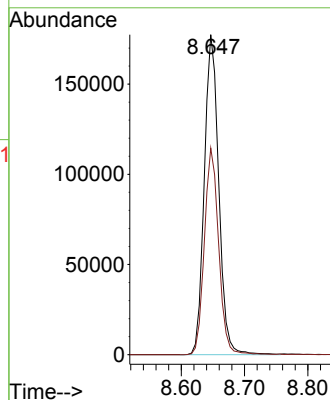
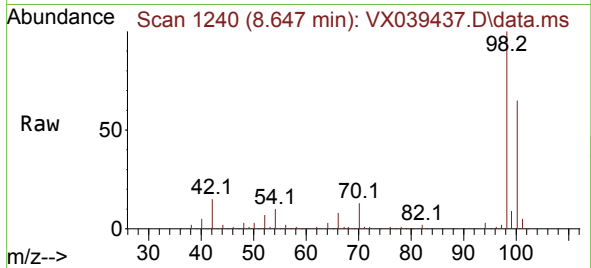




#50
Toluene-d8
Concen: 49.641 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

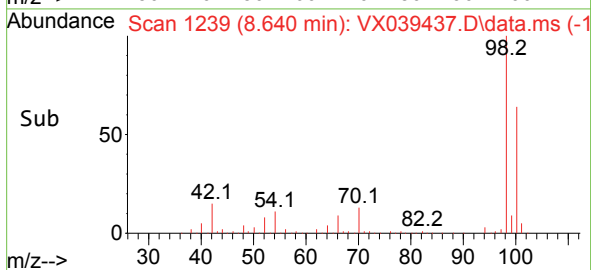
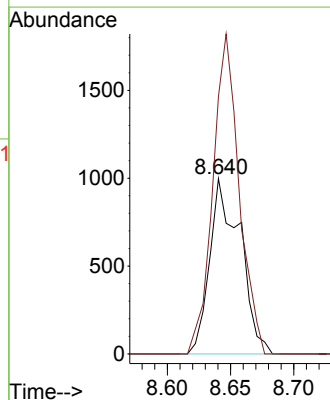
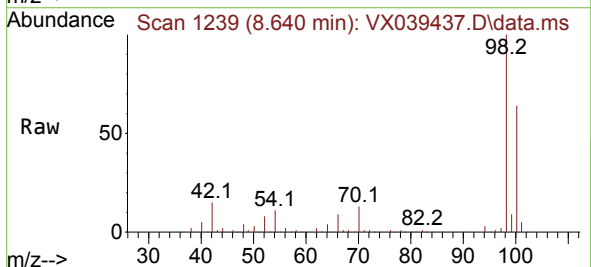
Instrument :
MSVOA_X
ClientSampleId :

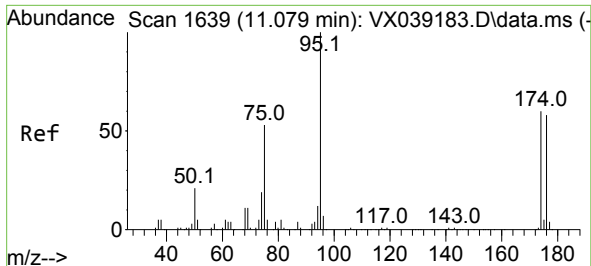
Tgt Ion: 98 Resp: 282318
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.540 ug/l
RT: 8.640 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

Tgt Ion: 43 Resp: 1670
Ion Ratio Lower Upper
43 100
58 157.7 30.4 45.6#

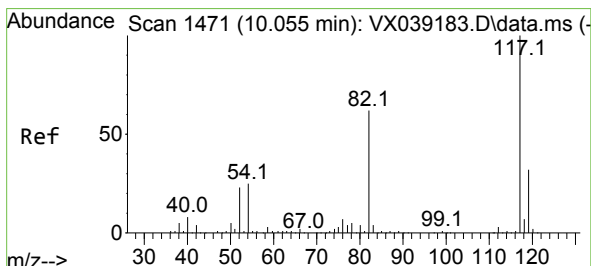
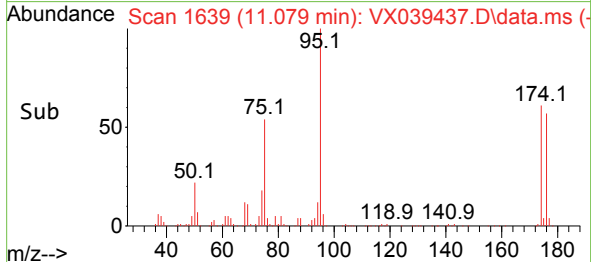
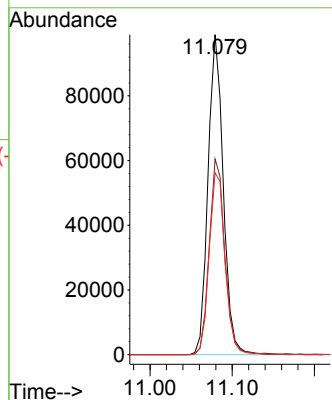
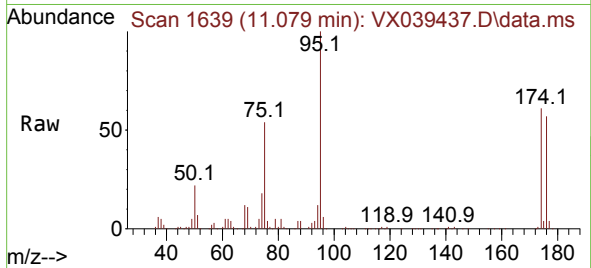




#62
4-Bromofluorobenzene
Concen: 54.317 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

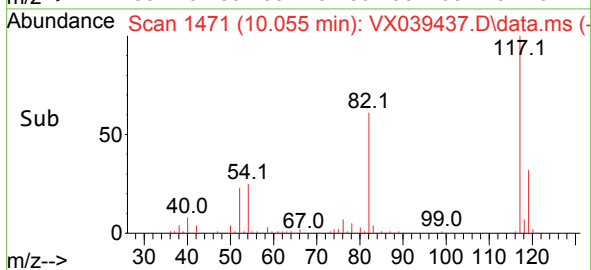
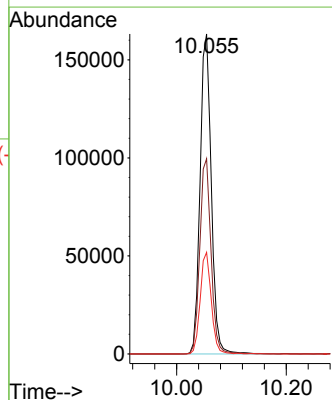
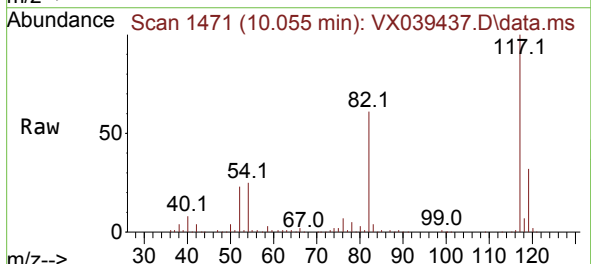
Instrument :
MSVOA_X
ClientSampleId :

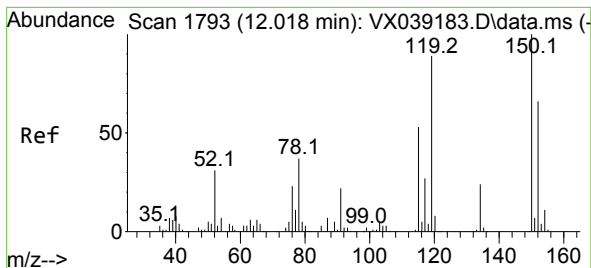
Tgt Ion: 95 Resp: 127456
Ion Ratio Lower Upper
95 100
174 62.4 0.0 135.6
176 59.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039437.D
Acq: 22 Dec 2023 14:10

Tgt Ion: 117 Resp: 231986
Ion Ratio Lower Upper
117 100
82 61.0 46.2 69.4
119 31.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039437.D

Acq: 22 Dec 2023 14:10

Instrument :

MSVOA_X

ClientSampleId :

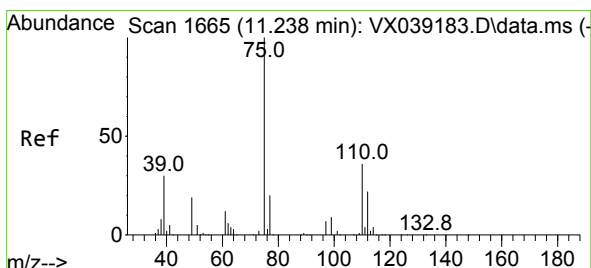
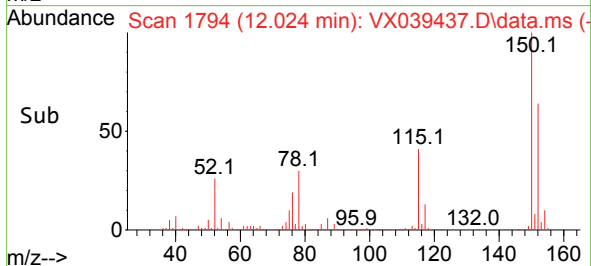
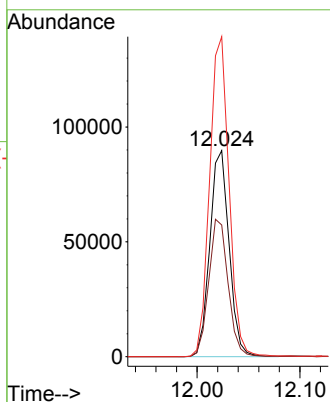
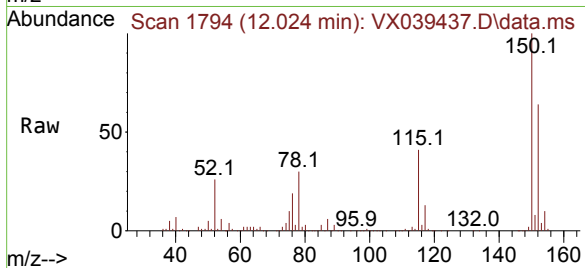
Tgt Ion:152 Resp: 117064

Ion Ratio Lower Upper

152 100

115 67.3 43.3 129.9

150 156.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.793 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039437.D

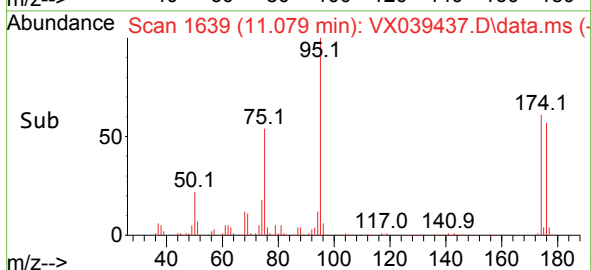
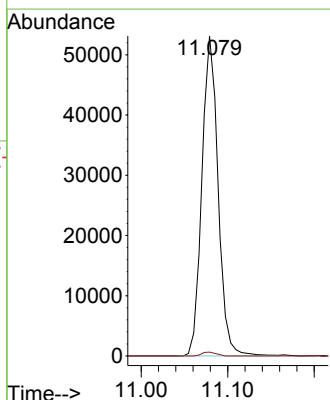
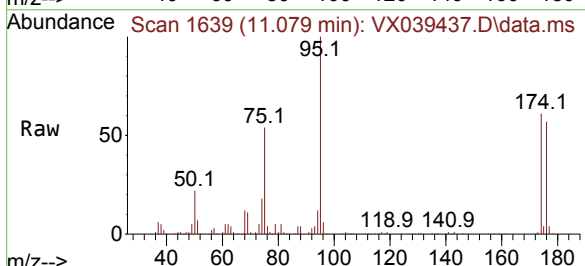
Acq: 22 Dec 2023 14:10

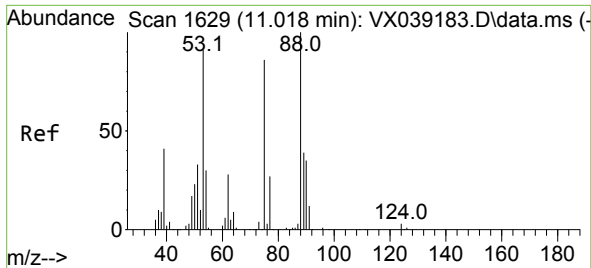
Tgt Ion: 75 Resp: 69032

Ion Ratio Lower Upper

75 100

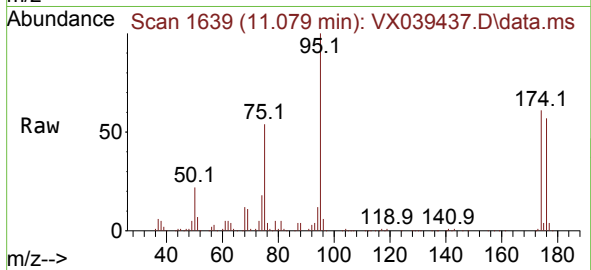
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.299 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039437.D
 Acq: 22 Dec 2023 14:10

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 69032
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

