

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039202.D
 Acq On : 14 Dec 2023 12:30
 Operator : JC/MD
 Sample : 05719-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 02:59:09 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)

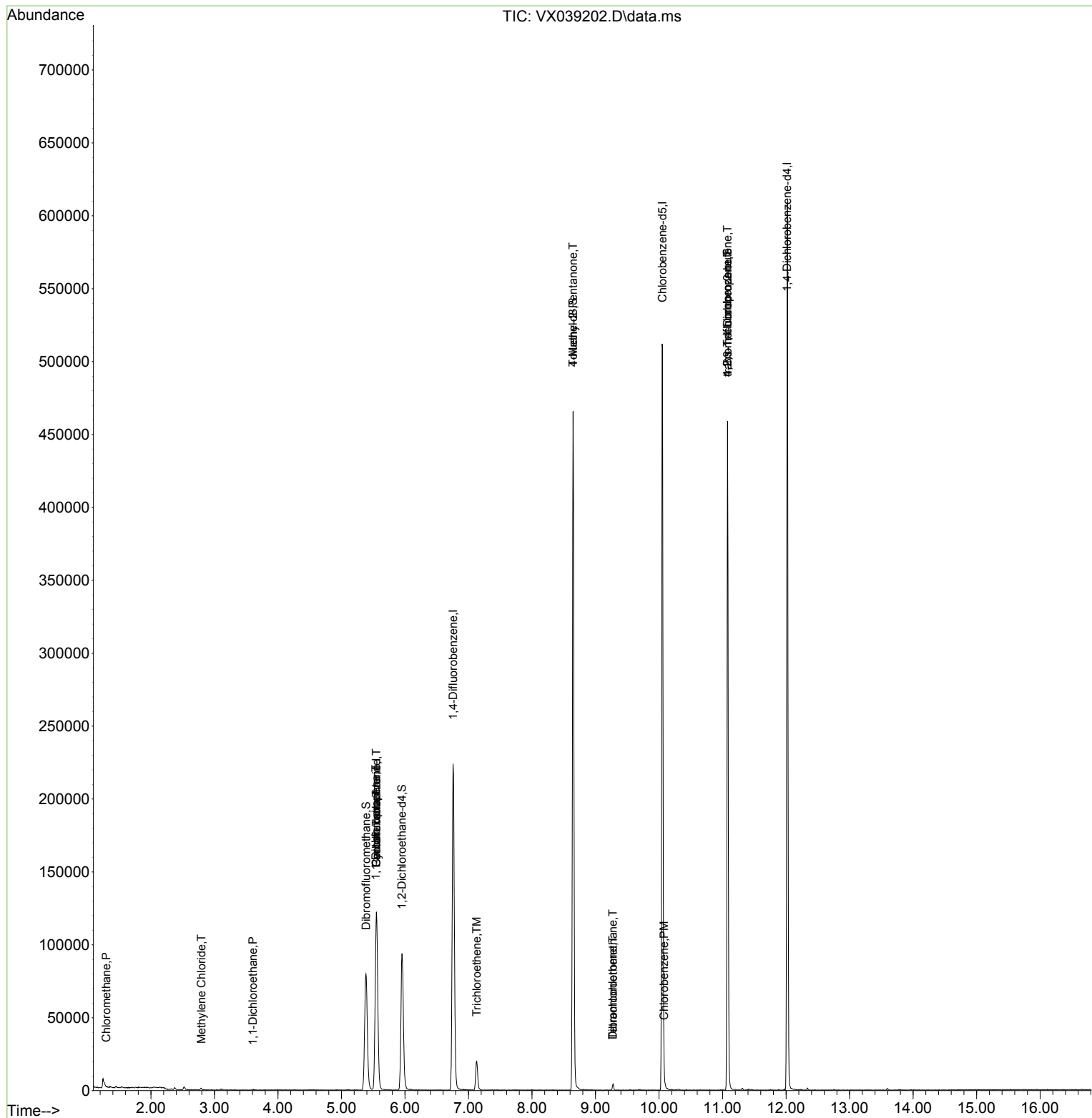
Internal Standards						
1) Pentafluorobenzene	5.550	168	104042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	215122	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93242	48.921	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.840%		
35) Dibromofluoromethane	5.385	113	71028	47.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.580%		
50) Toluene-d8	8.647	98	270663	49.056	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.120%		
62) 4-Bromofluorobenzene	11.079	95	125443	55.104	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.200%		
Target Compounds			Qvalue			
3) Chloromethane	1.294	50	342	0.211	ug/l	96
16) Acetone	2.380	43	1531	Below Cal	#	77
20) Methylene Chloride	2.794	84	451	0.284	ug/l #	66
24) 1,1-Dichloroethane	3.605	63	558	0.200	ug/l #	83
31) Cyclohexane	5.550	56	3261	1.325	ug/l #	54
36) 1,1-Dichloropropene	5.544	75	10178	4.340	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12151	5.429	ug/l #	14
44) Trichloroethene	7.129	130	7212	4.308	ug/l	91
51) 4-Methyl-2-Pentanone	8.647	43	1390	0.463	ug/l #	1
60) Dibromochloromethane	9.275	129	624	0.369	ug/l #	11
64) Tetrachloroethene	9.275	164	597	0.415	ug/l #	85
65) Chlorobenzene	10.079	112	1238	0.258	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	68748	23.469	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	68748	66.205	ug/l #	5

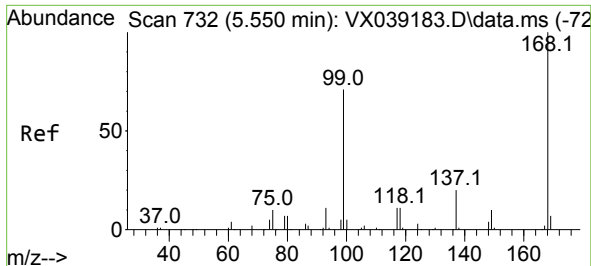
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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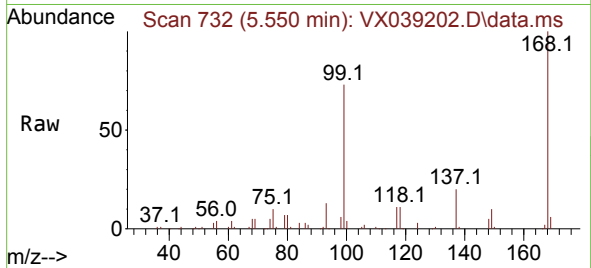


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

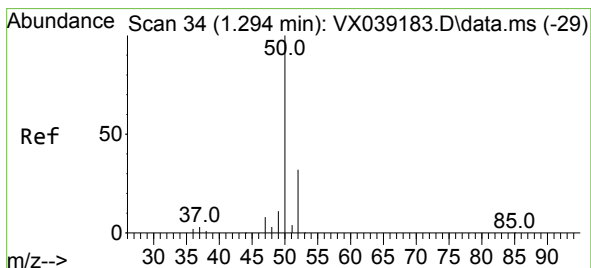
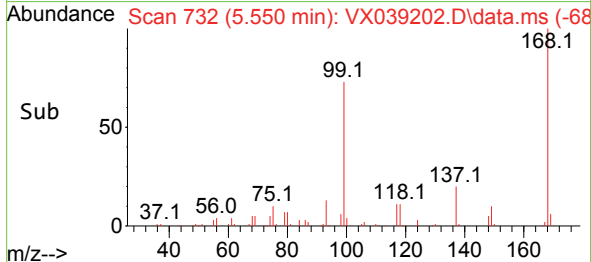
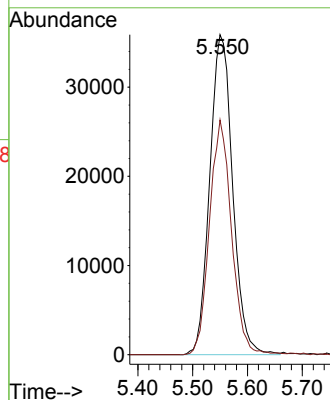
Instrument :

MSVOA_X

ClientSampleId :

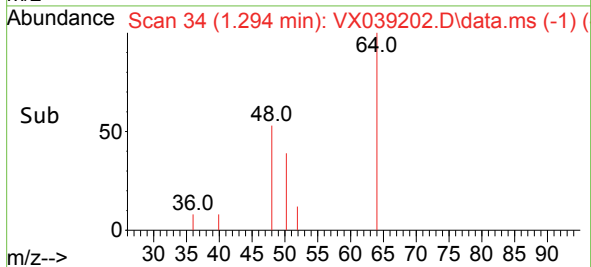
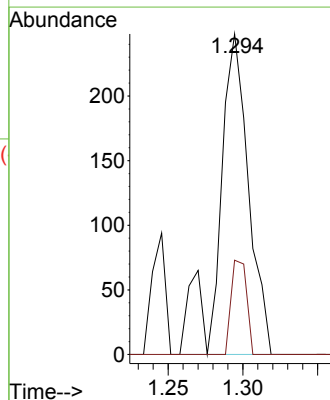
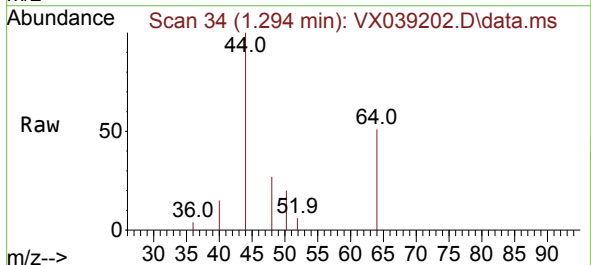


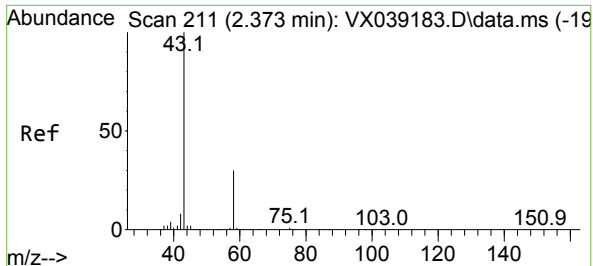
Tgt Ion:168 Resp: 104042
Ion Ratio Lower Upper
168 100
99 73.4 56.6 85.0



#3
Chloromethane
Concen: 0.211 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

Tgt Ion: 50 Resp: 342
Ion Ratio Lower Upper
50 100
52 29.4 25.5 38.3

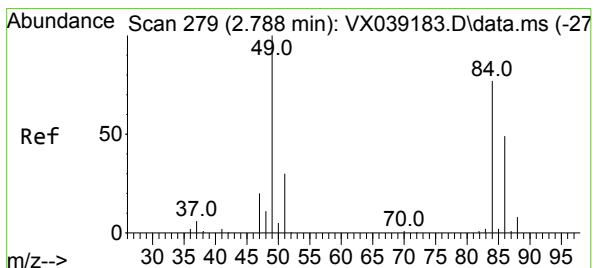
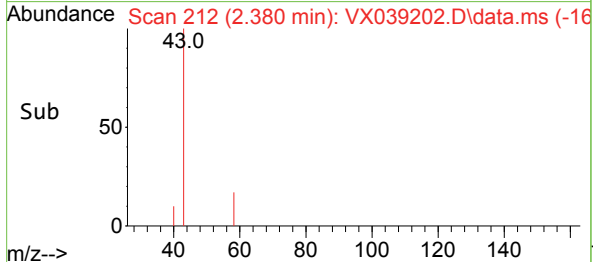
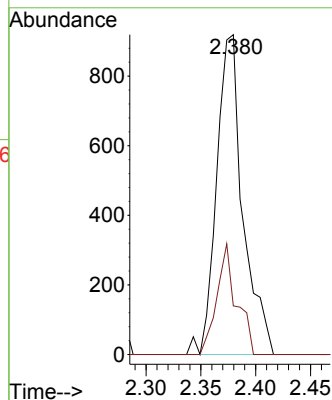
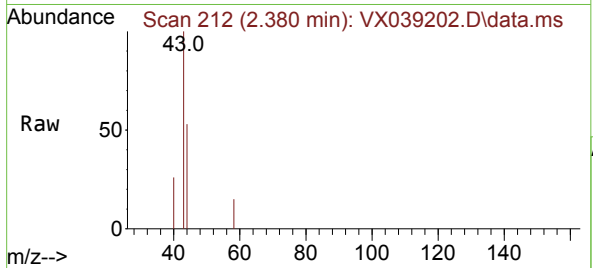




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

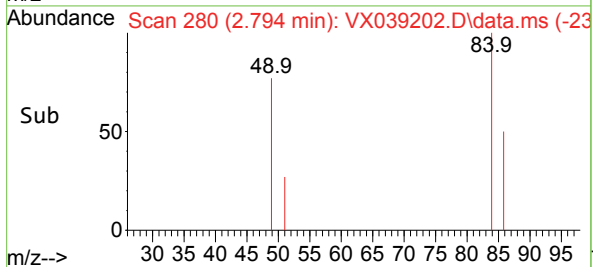
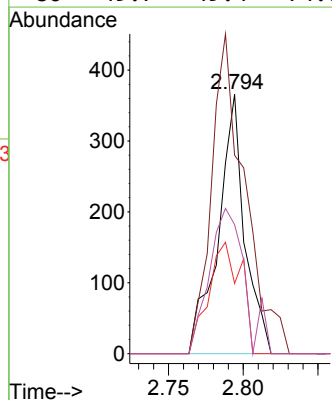
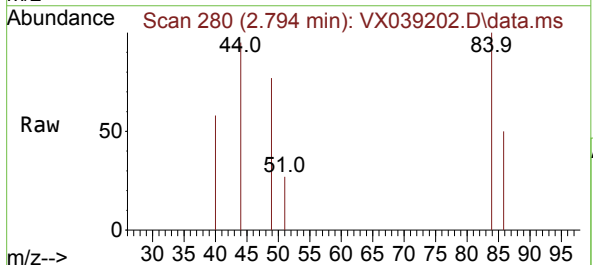
Instrument :
MSVOA_X
ClientSampleId :

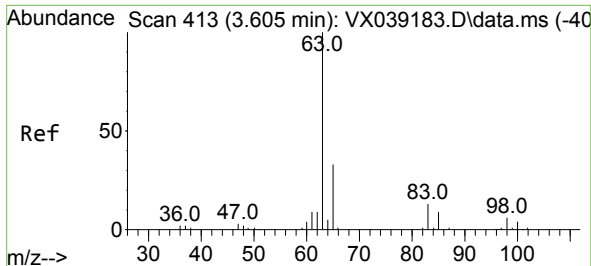
Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
58 15.2 21.9 32.9#



#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

Tgt Ion: 84 Resp: 451
Ion Ratio Lower Upper
84 100
49 76.5 103.6 155.4#
51 27.0 33.8 50.6#
86 49.7 49.4 74.0





#24

1,1-Dichloroethane

Concen: 0.200 ug/l

RT: 3.605 min Scan# 41

Delta R.T. 0.000 min

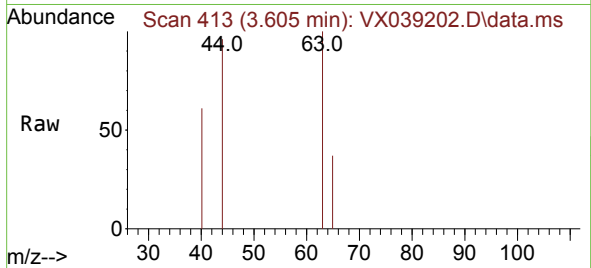
Lab File: VX039202.D

Acq: 14 Dec 2023 12:30

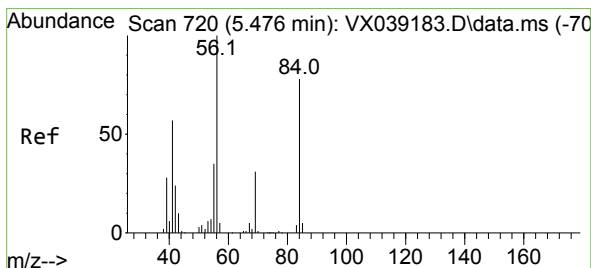
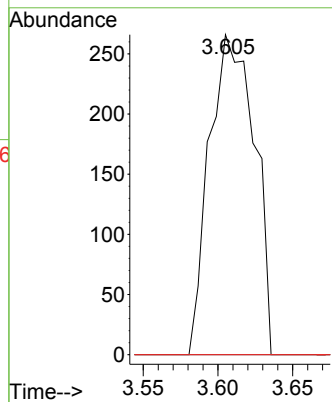
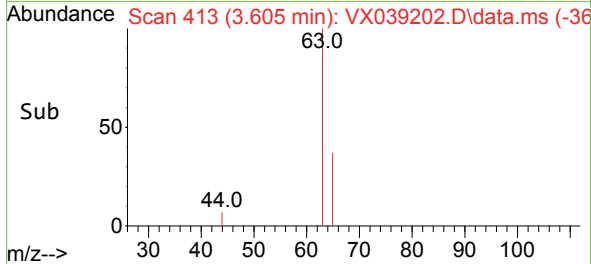
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 63	Resp: 558
Ion Ratio	Lower Upper
63	100
98	0.0 3.3 9.8#
100	0.0 2.1 6.5#



#31

Cyclohexane

Concen: 1.325 ug/l

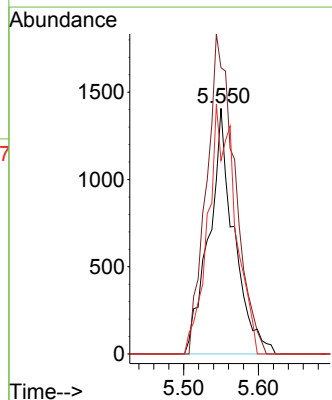
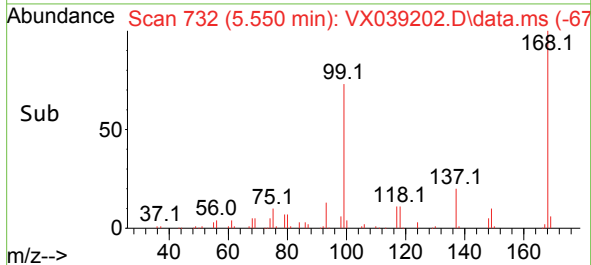
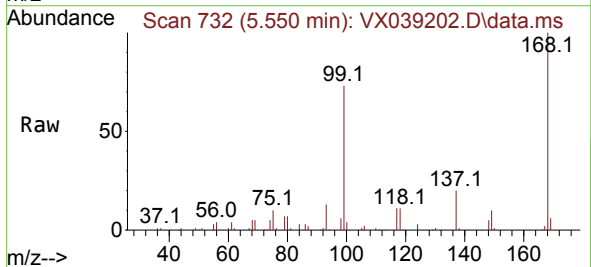
RT: 5.550 min Scan# 732

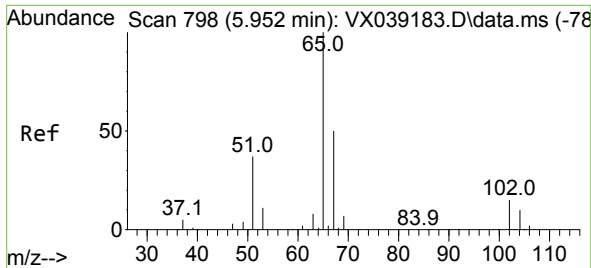
Delta R.T. 0.073 min

Lab File: VX039202.D

Acq: 14 Dec 2023 12:30

Tgt Ion: 56	Resp: 3261
Ion Ratio	Lower Upper
56	100
69	116.5 23.4 35.2#
84	78.8 65.9 98.9

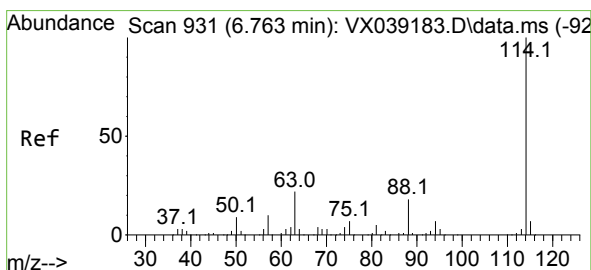
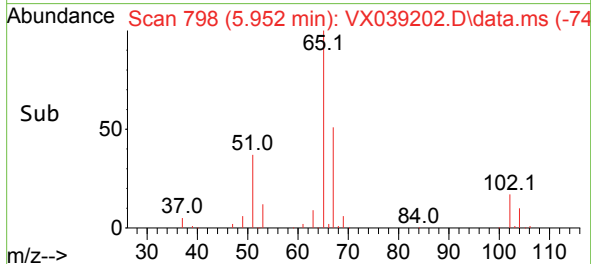
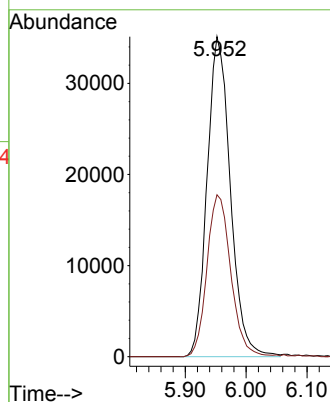
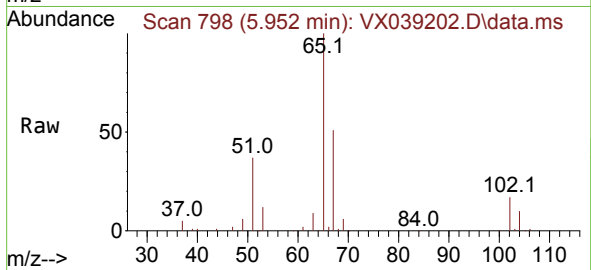




#33
 1,2-Dichloroethane-d4
 Concen: 48.921 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039202.D
 Acq: 14 Dec 2023 12:30

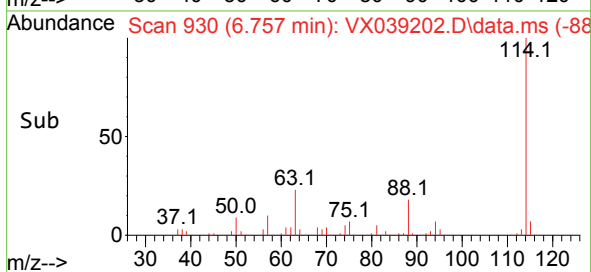
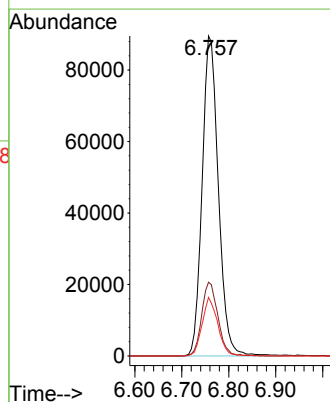
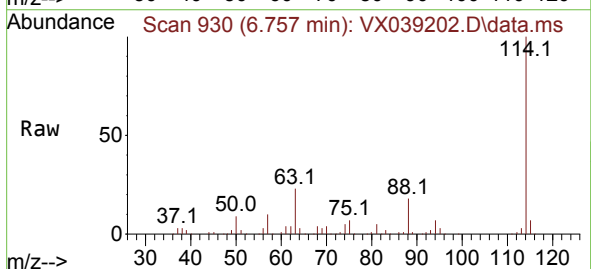
Instrument :
 MSVOA_X
 ClientSampleId :

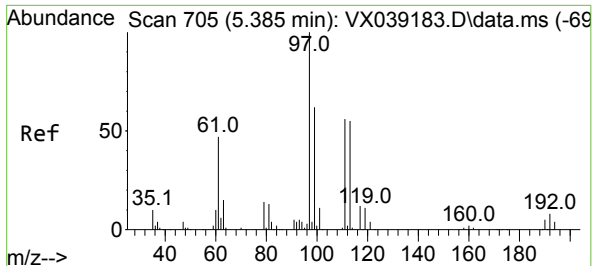
Tgt Ion: 65 Resp: 93242
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039202.D
 Acq: 14 Dec 2023 12:30

Tgt Ion:114 Resp: 215122
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.0
 88 18.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.793 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

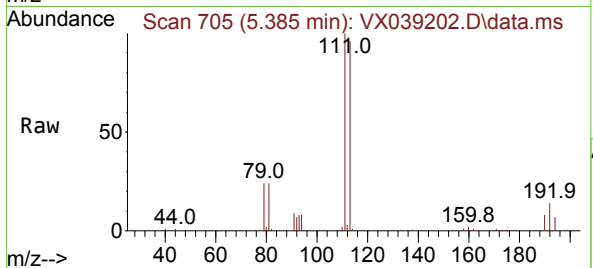
Lab File: VX039202.D

Acq: 14 Dec 2023 12:30

Instrument :

MSVOA_X

ClientSampleId :



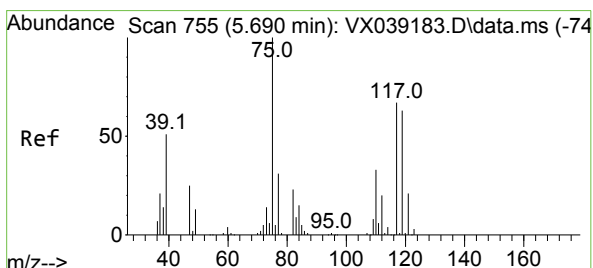
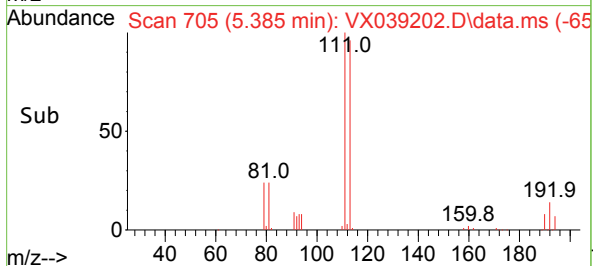
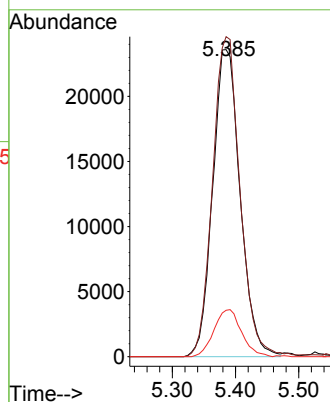
Tgt Ion:113 Resp: 71028

Ion Ratio Lower Upper

113 100

111 104.2 82.9 124.3

192 15.4 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.340 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX039202.D

Acq: 14 Dec 2023 12:30

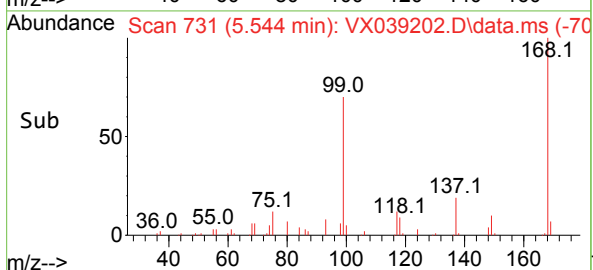
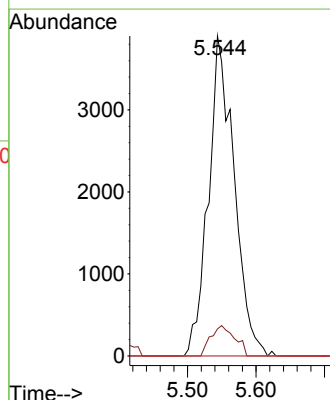
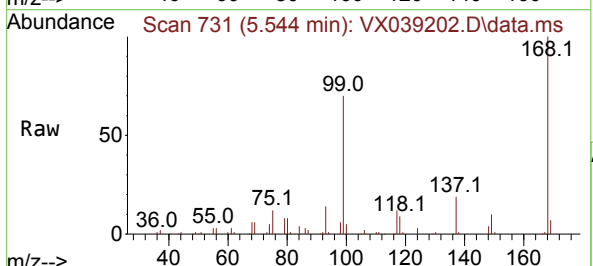
Tgt Ion: 75 Resp: 10178

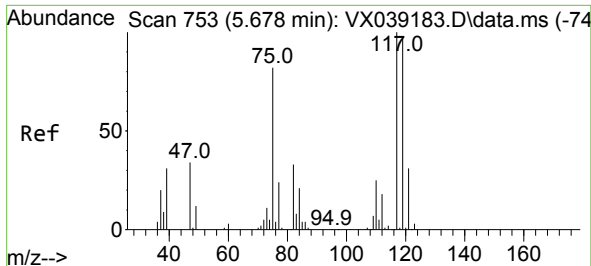
Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

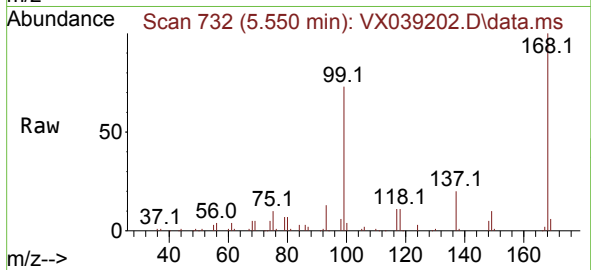
77 0.0 24.7 37.1#



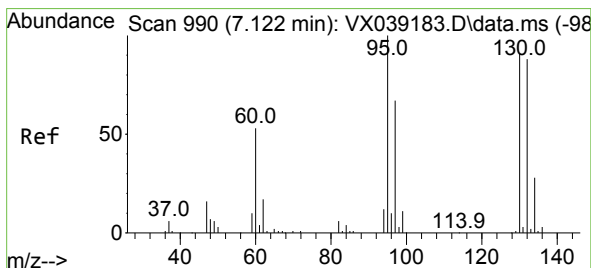
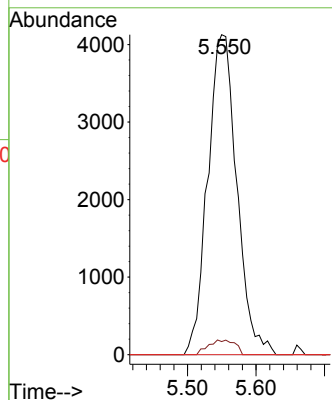
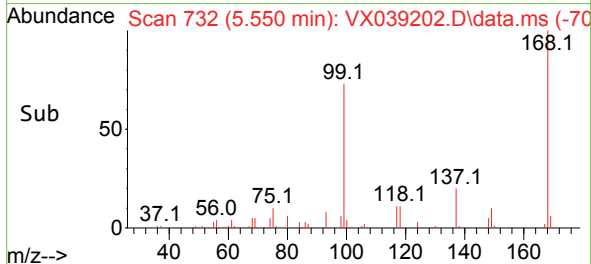


#38
Carbon Tetrachloride
Concen: 5.429 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

Instrument :
MSVOA_X
ClientSampleId :

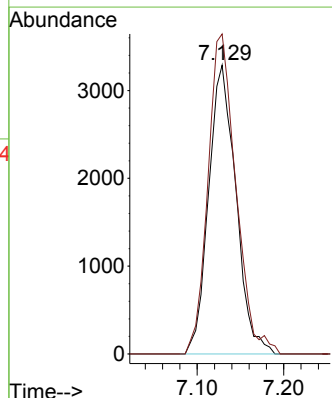
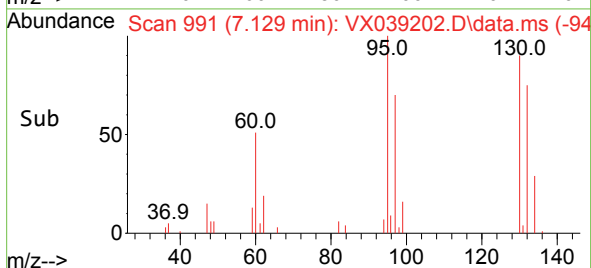
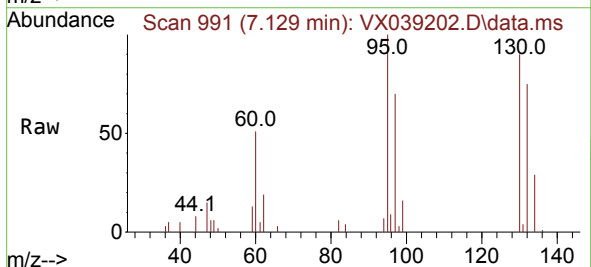


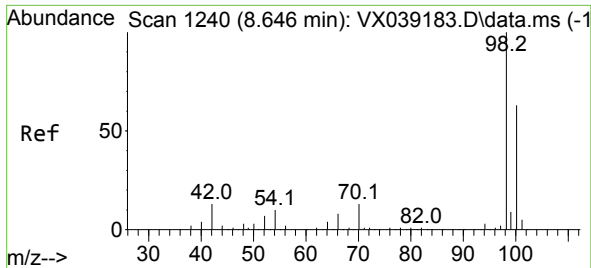
Tgt Ion:117 Resp: 12151
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 4.308 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

Tgt Ion:130 Resp: 7212
Ion Ratio Lower Upper
130 100
95 110.8 0.0 204.4

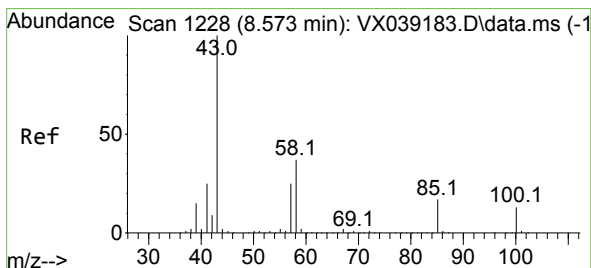
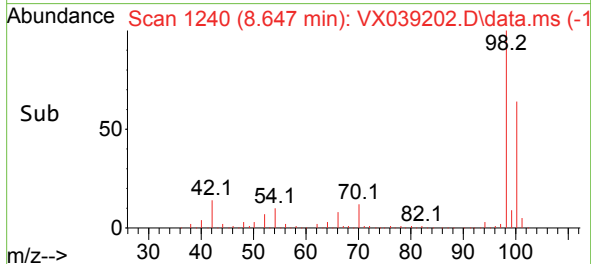
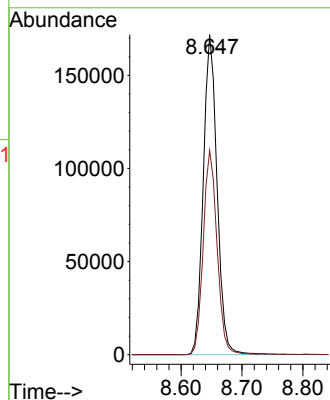
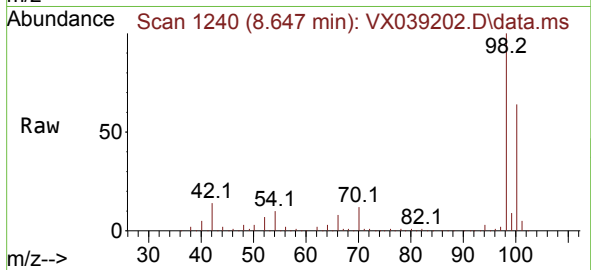




#50
Toluene-d8
Concen: 49.056 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

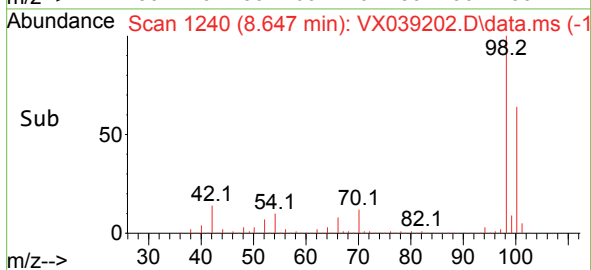
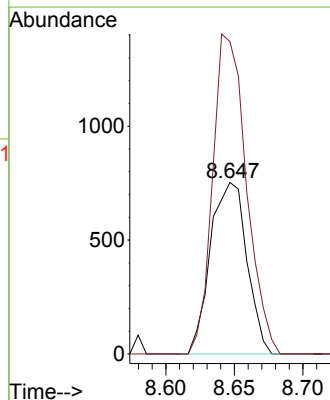
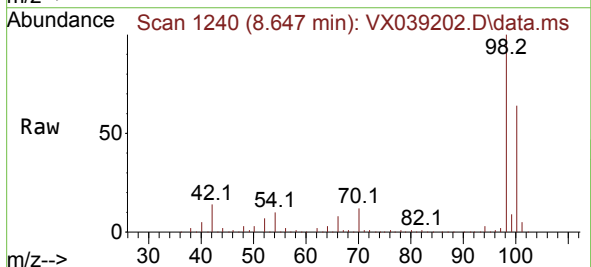
Instrument :
MSVOA_X
ClientSampleId :

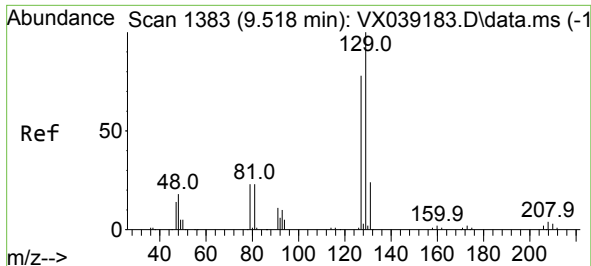
Tgt Ion: 98 Resp: 270663
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.463 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

Tgt Ion: 43 Resp: 1390
Ion Ratio Lower Upper
43 100
58 172.9 30.4 45.6#

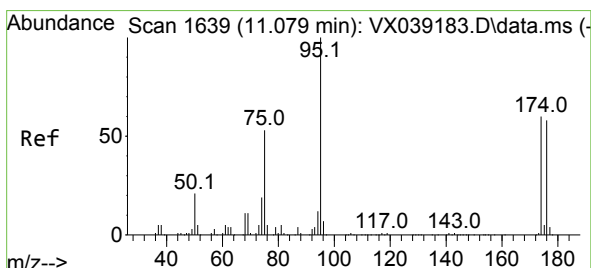
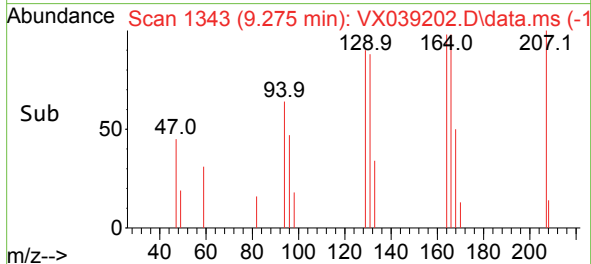
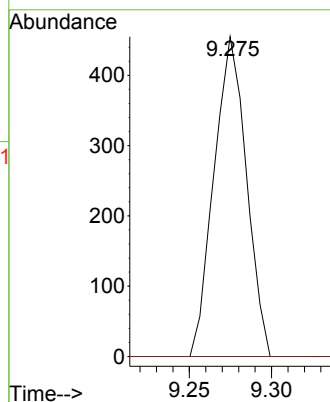
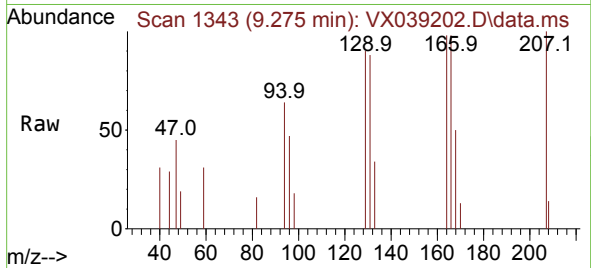




#60
Dibromochloromethane
Concen: 0.369 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

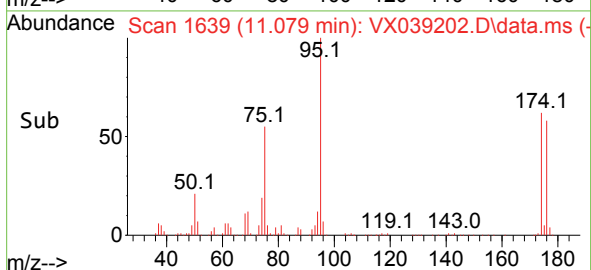
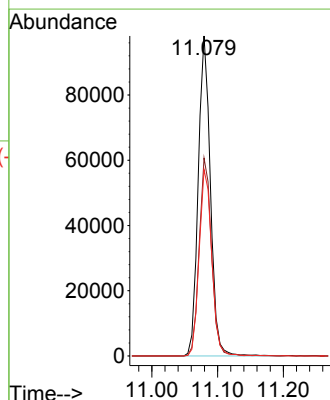
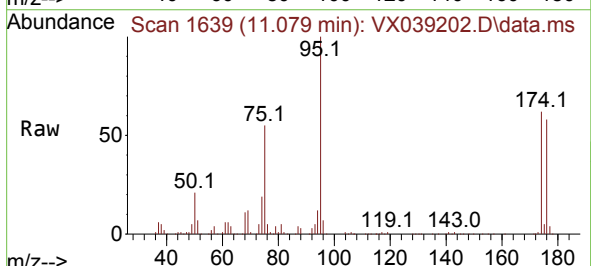
Instrument :
MSVOA_X
ClientSampleId :

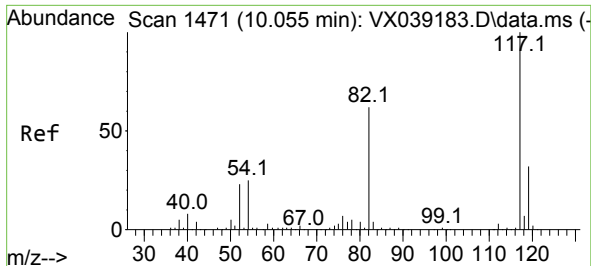
Tgt Ion:129 Resp: 624
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 55.104 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

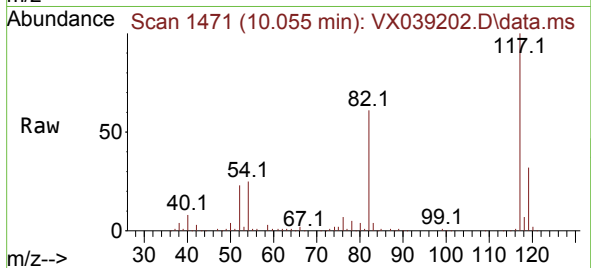
Tgt Ion: 95 Resp: 125443
Ion Ratio Lower Upper
95 100
174 63.0 0.0 135.6
176 60.3 0.0 131.0



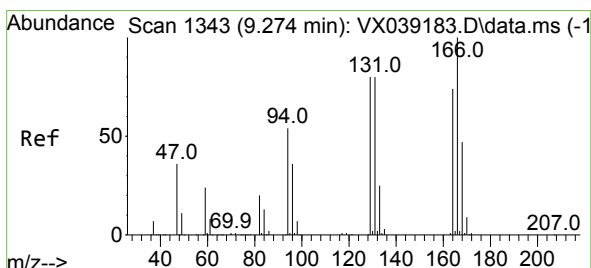
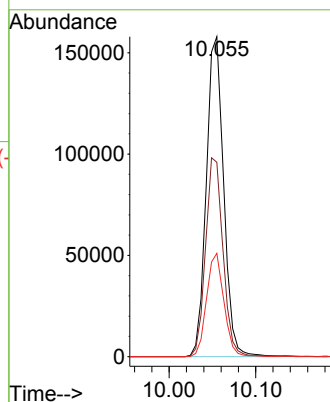
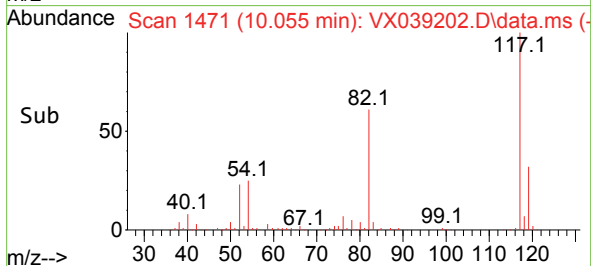


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

Instrument :
MSVOA_X
ClientSampleId :

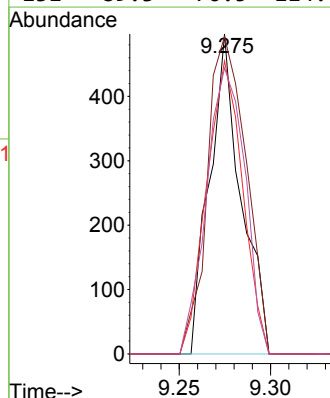
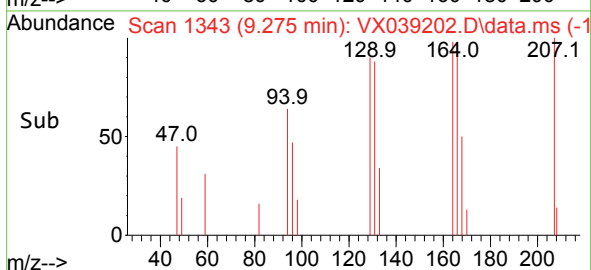
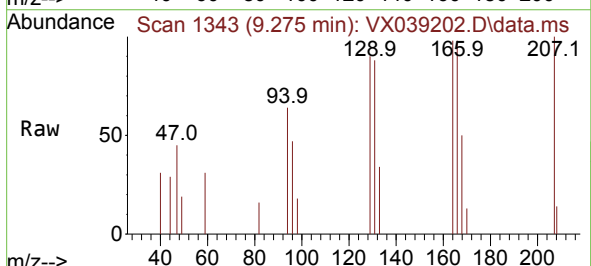


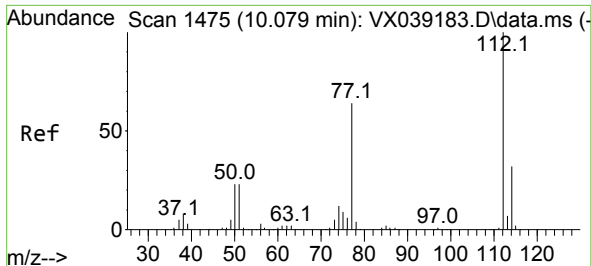
Tgt Ion:117 Resp: 220150
Ion Ratio Lower Upper
117 100
82 60.8 46.2 69.4
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.415 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

Tgt Ion:164 Resp: 597
Ion Ratio Lower Upper
164 100
166 99.2 102.7 154.1#
129 91.5 80.4 120.6
131 89.3 76.5 114.7

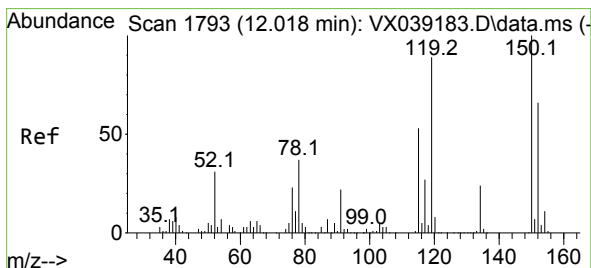
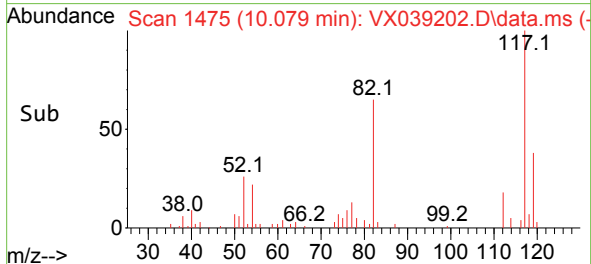
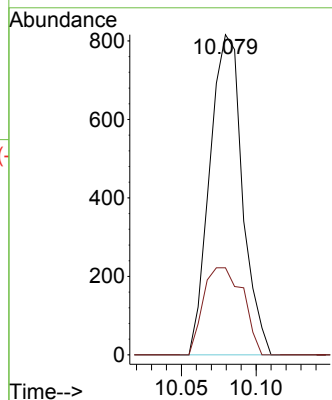
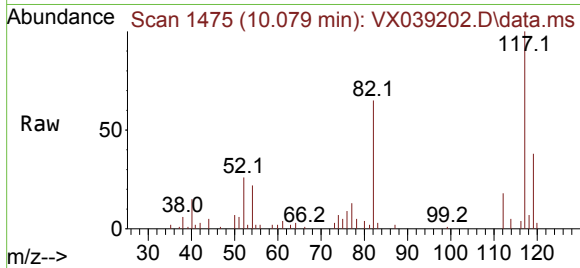




#65
Chlorobenzene
Concen: 0.258 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

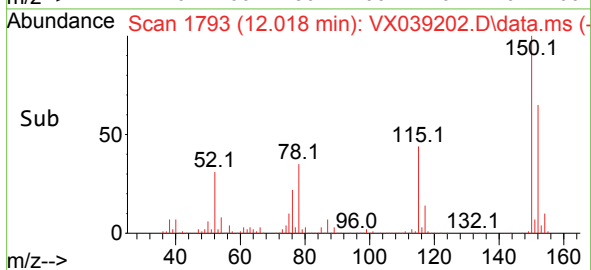
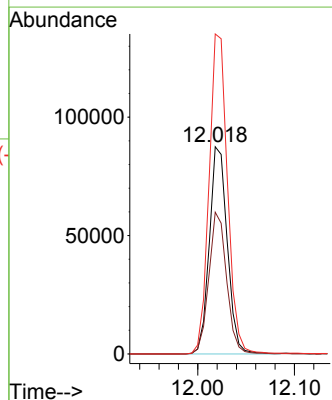
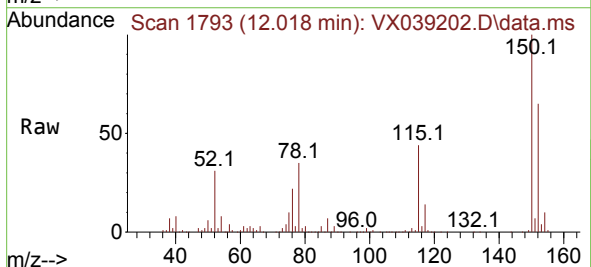
Instrument :
MSVOA_X
ClientSampleId :

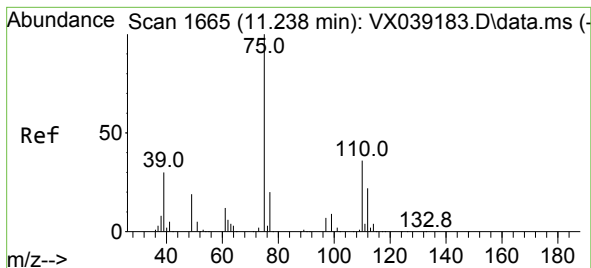
Tgt Ion:112 Resp: 1238
Ion Ratio Lower Upper
112 100
114 27.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX039202.D
Acq: 14 Dec 2023 12:30

Tgt Ion:152 Resp: 113226
Ion Ratio Lower Upper
152 100
115 67.9 43.3 129.9
150 158.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.469 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039202.D

Acq: 14 Dec 2023 12:30

Instrument :

MSVOA_X

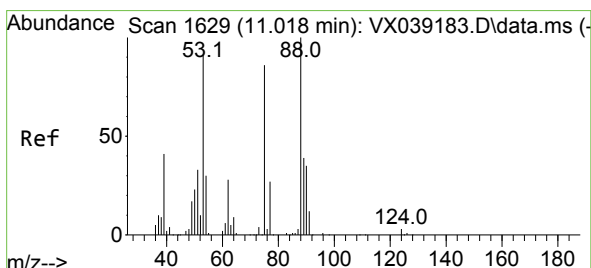
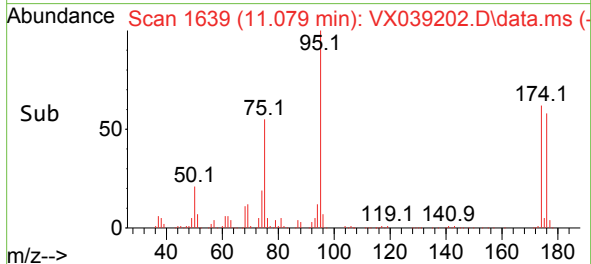
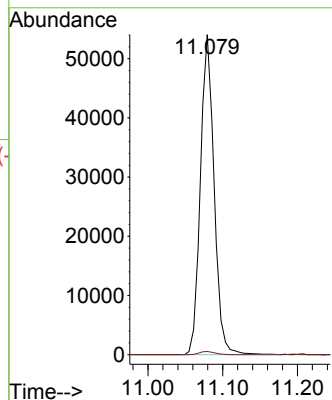
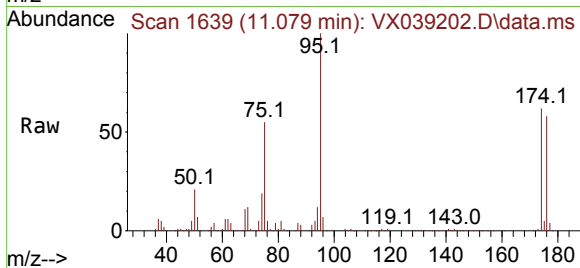
ClientSampleId :

Tgt Ion: 75 Resp: 68748

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.205 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039202.D

Acq: 14 Dec 2023 12:30

Tgt Ion: 75 Resp: 68748

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

