

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039511.D
 Acq On : 28 Dec 2023 13:15
 Operator : JC/MD
 Sample : 06025-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50230

Quant Time: Dec 28 22:49:21 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)

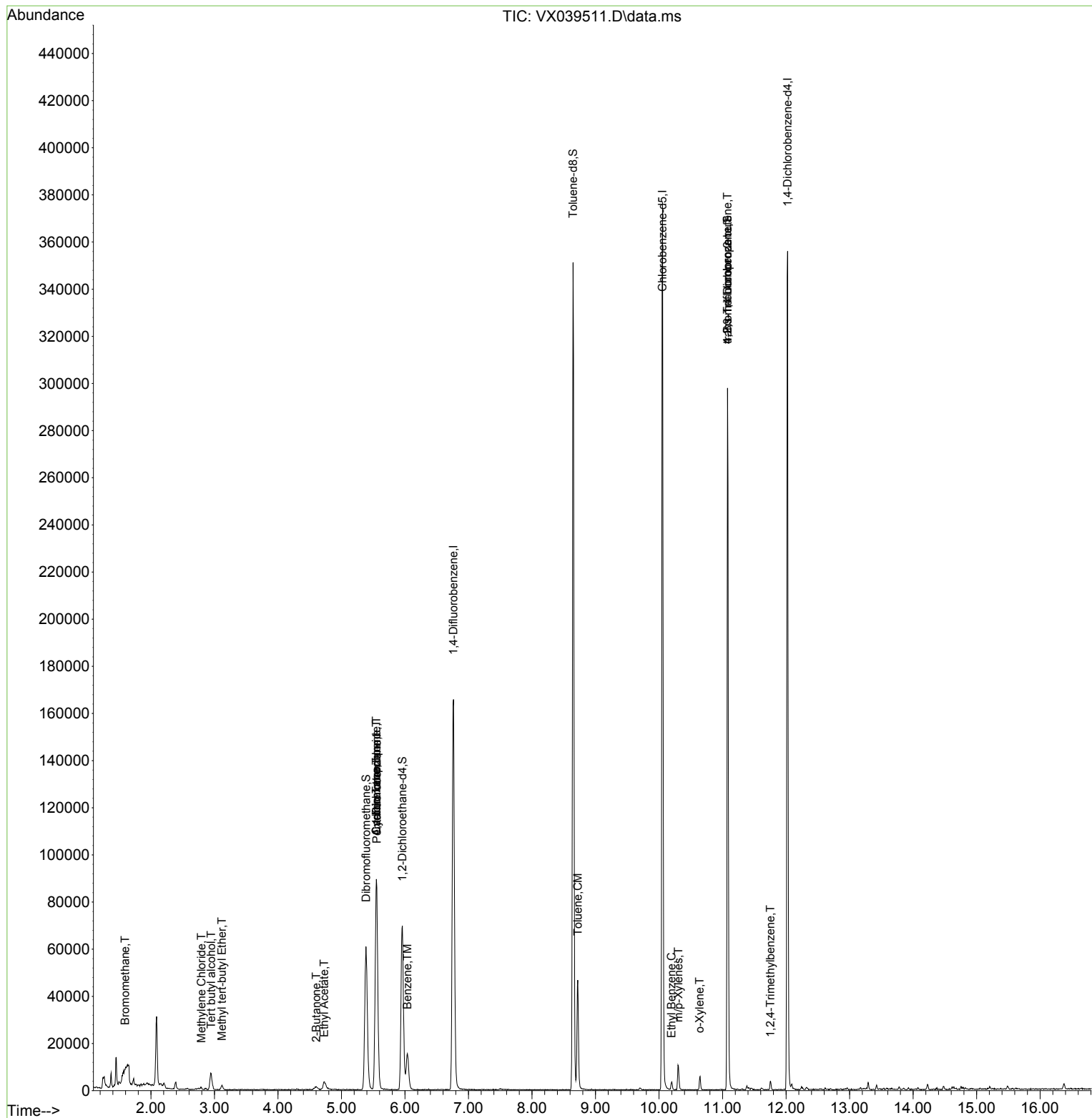
Internal Standards						
1) Pentafluorobenzene	5.556	168	76604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	162194	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	159981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68470	48.791	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.580%
35) Dibromofluoromethane	5.385	113	52504	46.857	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.720%
50) Toluene-d8	8.647	98	206096	49.543	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.080%
62) 4-Bromofluorobenzene	11.079	95	83020	48.369	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.740%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	306	0.479	ug/l #	37
11) Tert butyl alcohol	2.946	59	4696	13.326	ug/l #	80
16) Acetone	2.392	43	3218	Below Cal		96
19) Methyl tert-butyl Ether	3.117	73	1705	0.479	ug/l	95
20) Methylene Chloride	2.794	84	486	0.415	ug/l #	76
25) 2-Butanone	4.605	43	755	0.623	ug/l #	51
31) Cyclohexane	5.550	56	2219	1.224	ug/l #	5
36) 1,1-Dichloropropene	5.550	75	7718	4.365	ug/l #	49
37) Ethyl Acetate	4.727	43	6674	3.055	ug/l	98
38) Carbon Tetrachloride	5.550	117	9109	5.398	ug/l #	15
40) Benzene	6.037	78	18642	3.727	ug/l	99
52) Toluene	8.720	92	17637	5.842	ug/l	94
67) Ethyl Benzene	10.195	91	2241	0.345	ug/l	94
68) m/p-Xylenes	10.305	106	2582	1.108	ug/l	86
69) o-Xylene	10.640	106	1334	0.592	ug/l	85
76) 1,2,3-Trichloropropane	11.079	75	45409	26.010	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	45409	73.375	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2104	0.463	ug/l	96

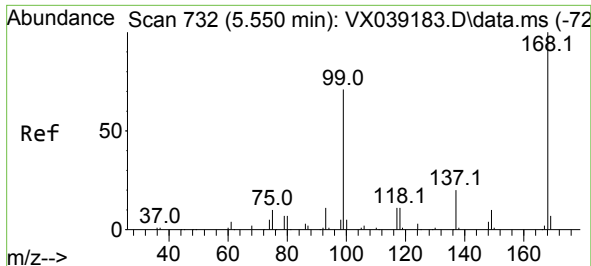
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
Data File : VX039511.D
Acq On : 28 Dec 2023 13:15
Operator : JC/MD
Sample : 06025-02 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
50230

Quant Time: Dec 28 22:49:21 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

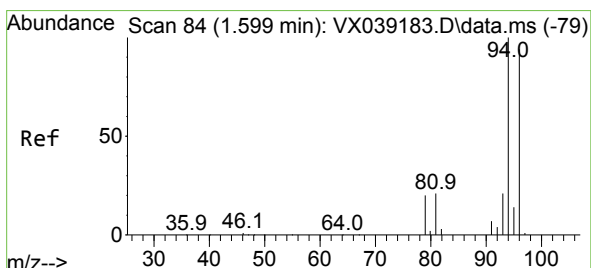
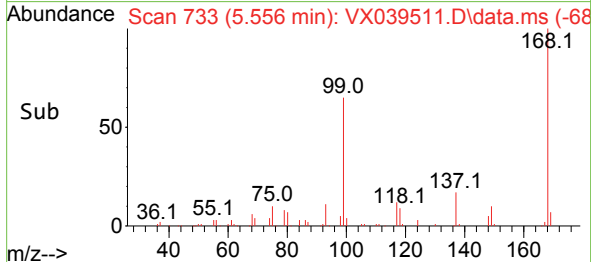
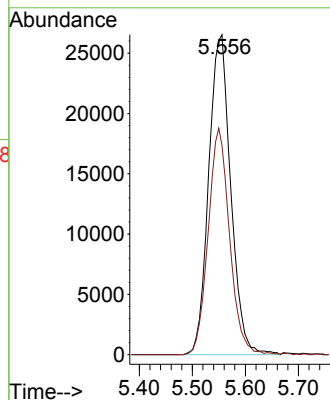
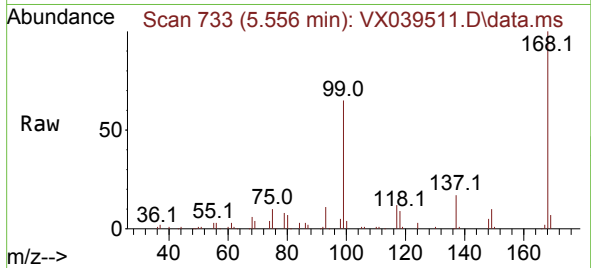




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

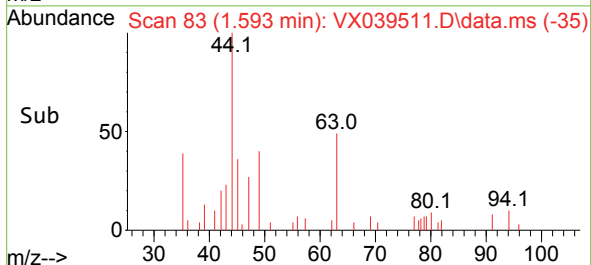
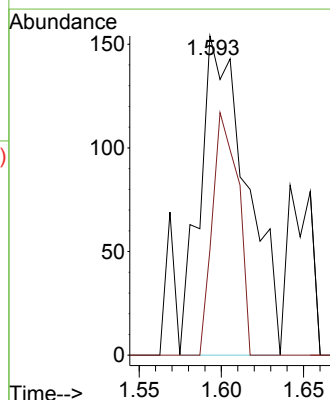
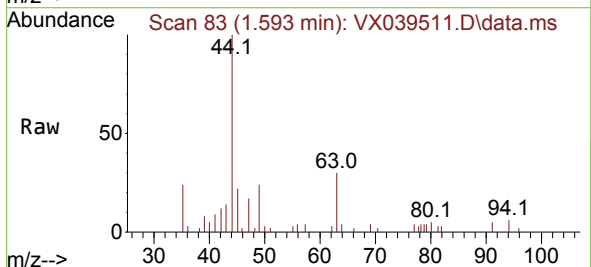
Instrument :
MSVOA_X
ClientSampleId :
50230

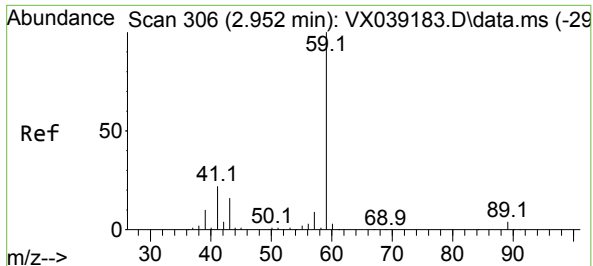
Tgt Ion:168 Resp: 76604
Ion Ratio Lower Upper
168 100
99 65.5 56.6 85.0



#5
Bromomethane
Concen: 0.479 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 33.1 74.6 111.8#





#11

Tert butyl alcohol

Concen: 13.326 ug/l

RT: 2.946 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX039511.D

Acq: 28 Dec 2023 13:15

Instrument :

MSVOA_X

ClientSampleId :

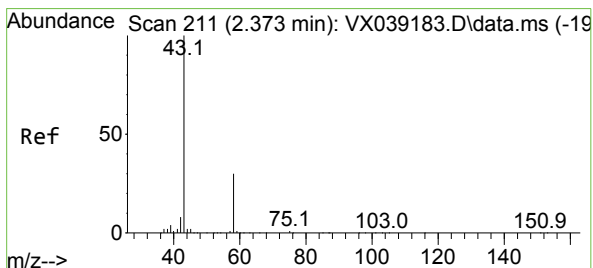
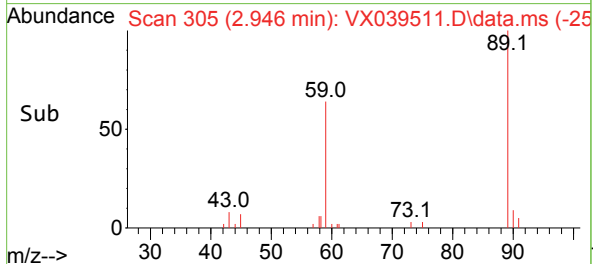
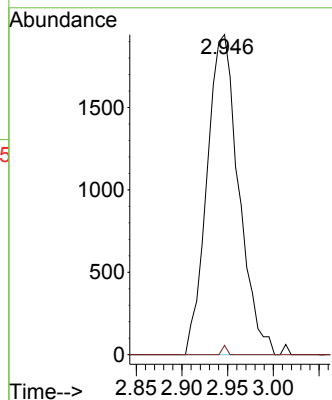
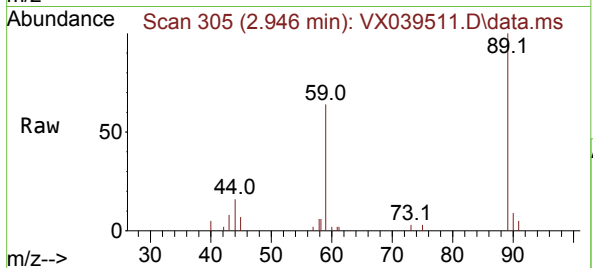
50230

Tgt Ion: 59 Resp: 4696

Ion Ratio Lower Upper

59 100

57 0.4 6.0 9.0#



#16

Acetone

Concen: Below Cal

RT: 2.392 min Scan# 214

Delta R.T. 0.019 min

Lab File: VX039511.D

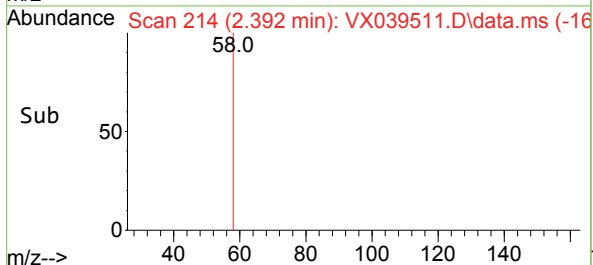
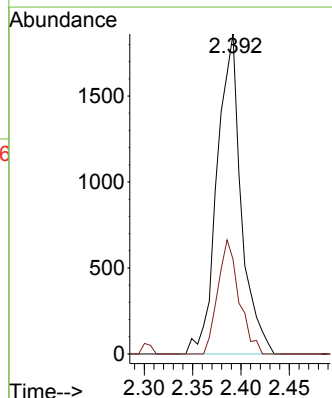
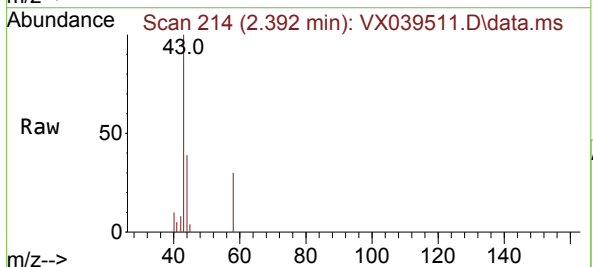
Acq: 28 Dec 2023 13:15

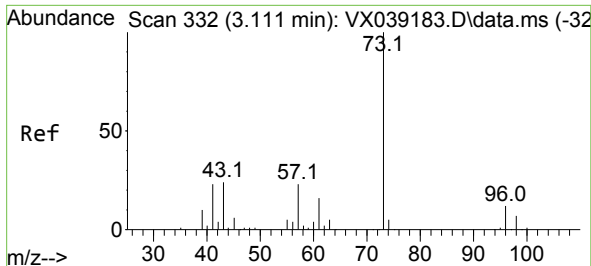
Tgt Ion: 43 Resp: 3218

Ion Ratio Lower Upper

43 100

58 29.6 21.9 32.9





#19

Methyl tert-butyl Ether

Concen: 0.479 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX039511.D

Acq: 28 Dec 2023 13:15

Instrument :

MSVOA_X

ClientSampleId :

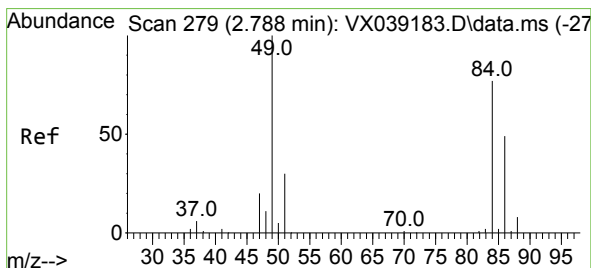
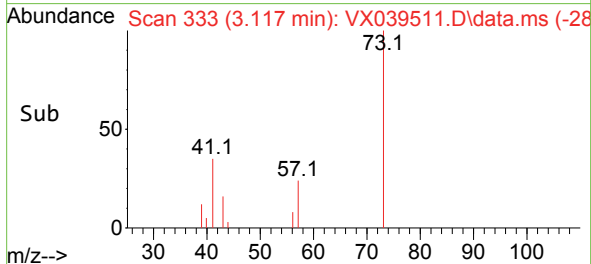
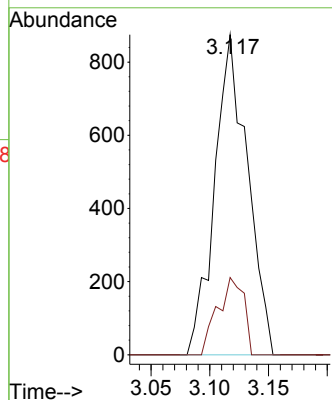
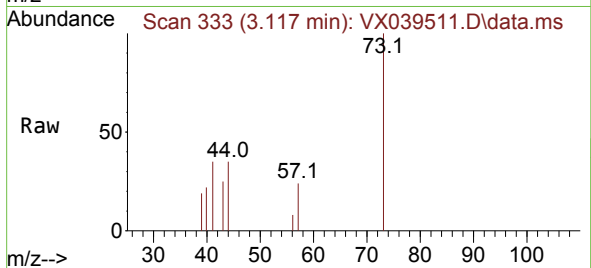
50230

Tgt Ion: 73 Resp: 1705

Ion Ratio Lower Upper

73 100

57 24.1 17.3 25.9



#20

Methylene Chloride

Concen: 0.415 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX039511.D

Acq: 28 Dec 2023 13:15

Tgt Ion: 84 Resp: 486

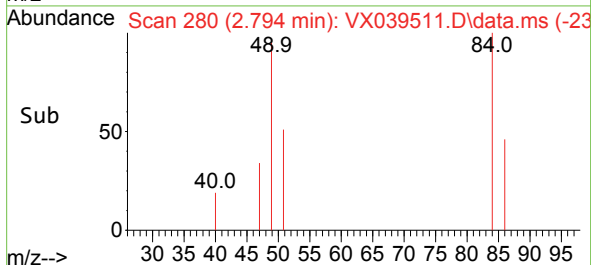
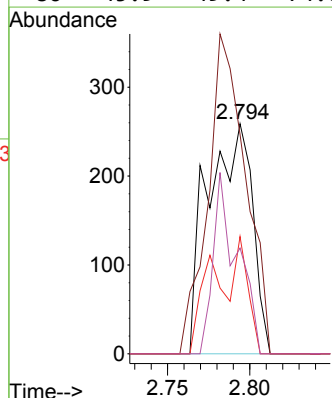
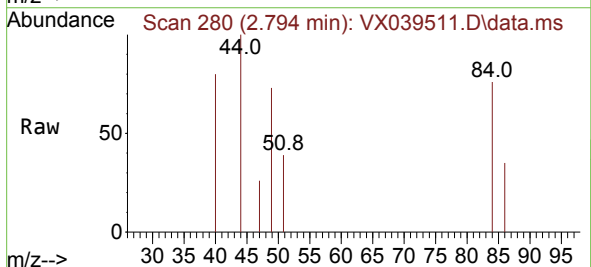
Ion Ratio Lower Upper

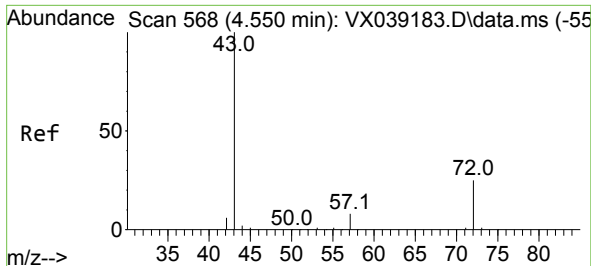
84 100

49 95.4 103.6 155.4#

51 51.0 33.8 50.6#

86 45.9 49.4 74.0#

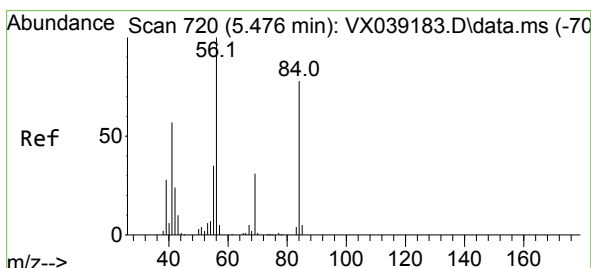
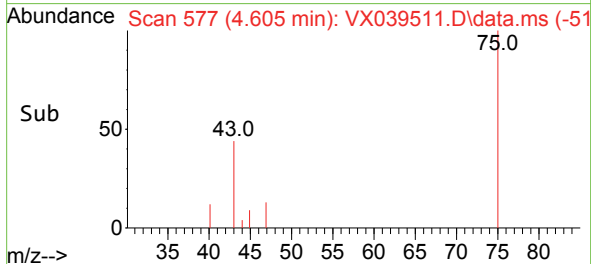
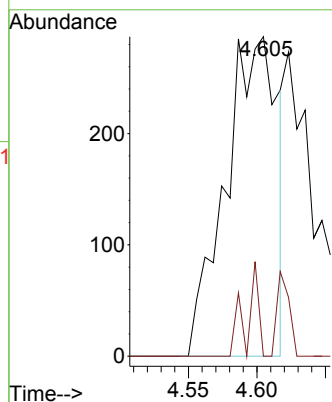
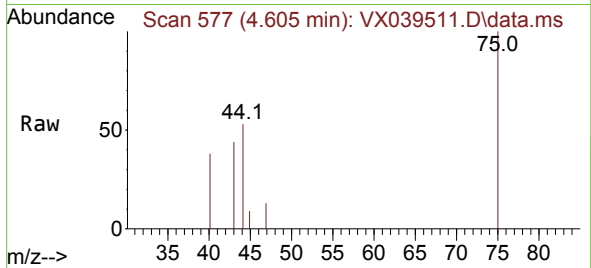




#25
2-Butanone
Concen: 0.623 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.055 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

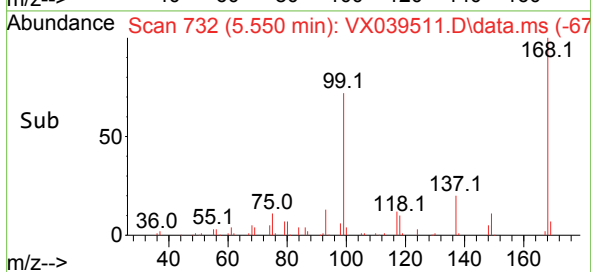
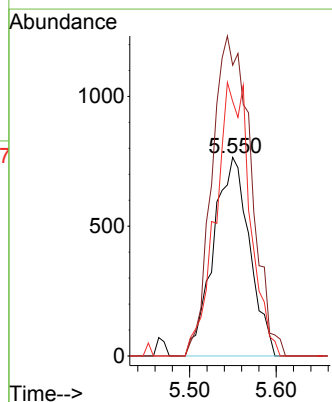
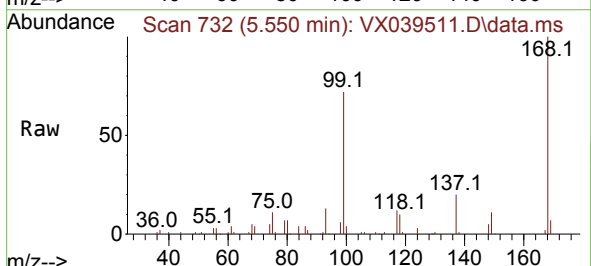
Instrument :
MSVOA_X
ClientSampleId :
50230

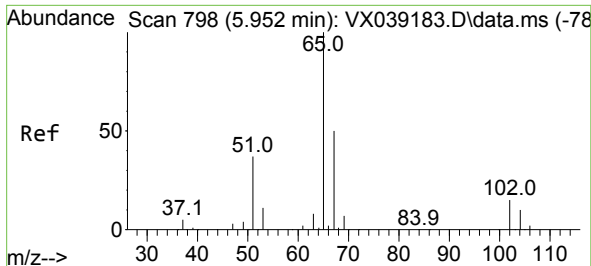
Tgt Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.224 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion: 56 Resp: 2219
Ion Ratio Lower Upper
56 100
69 146.4 23.4 35.2#
84 128.2 65.9 98.9#

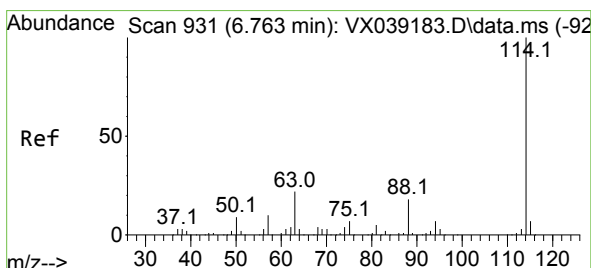
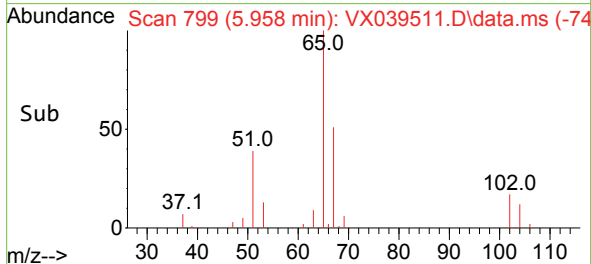
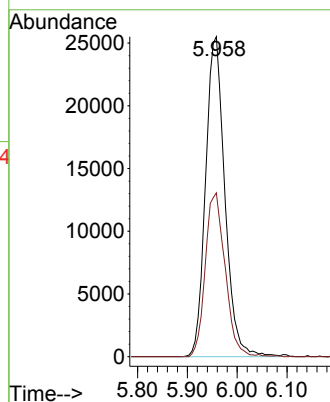
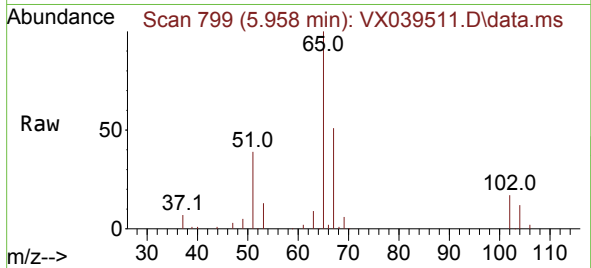




#33
 1,2-Dichloroethane-d4
 Concen: 48.791 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX039511.D
 Acq: 28 Dec 2023 13:15

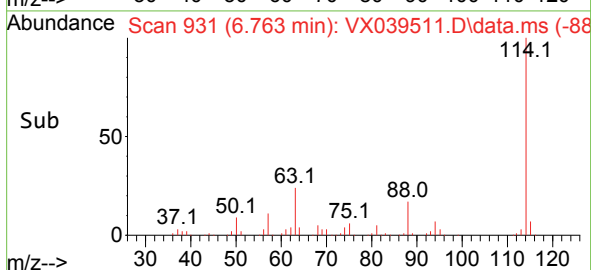
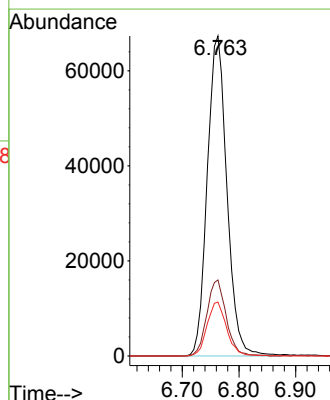
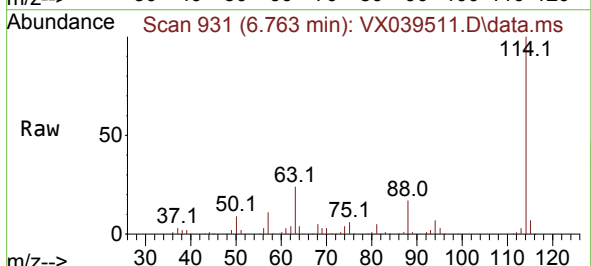
Instrument :
 MSVOA_X
 ClientSampleId :
 50230

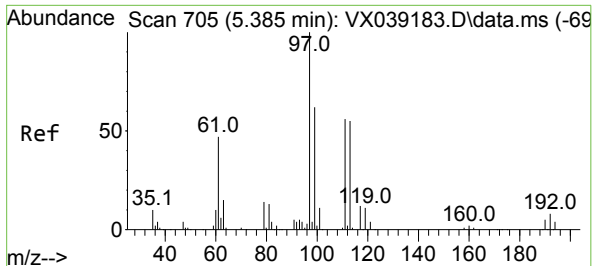
Tgt Ion: 65 Resp: 68470
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX039511.D
 Acq: 28 Dec 2023 13:15

Tgt Ion: 114 Resp: 162194
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.0
 88 16.9 0.0 36.6

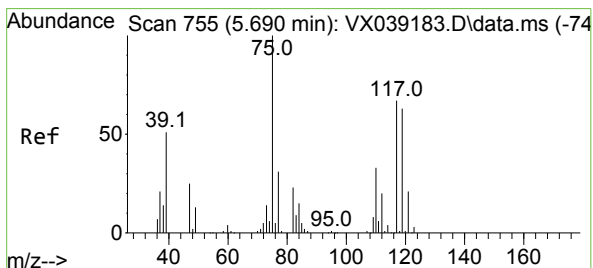
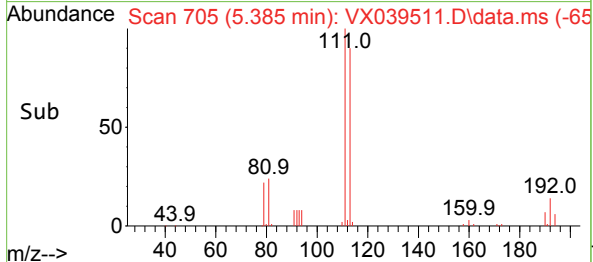
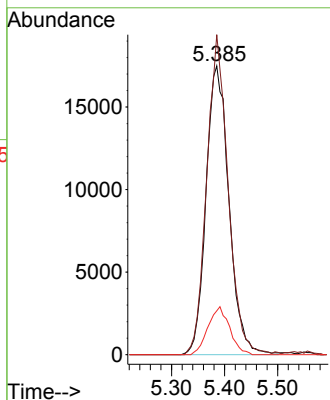
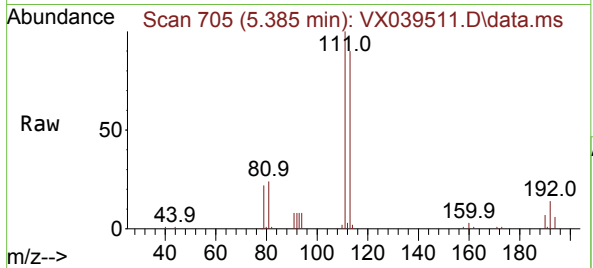




#35
Dibromofluoromethane
Concen: 46.857 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

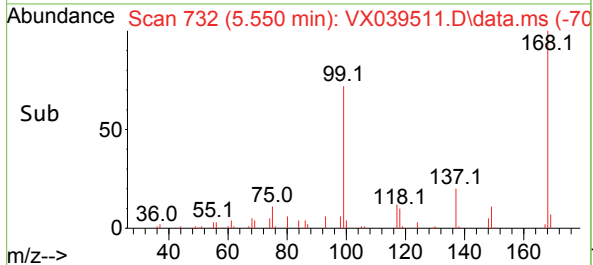
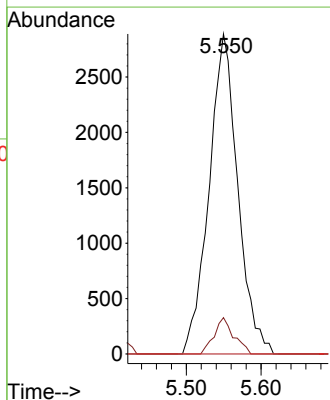
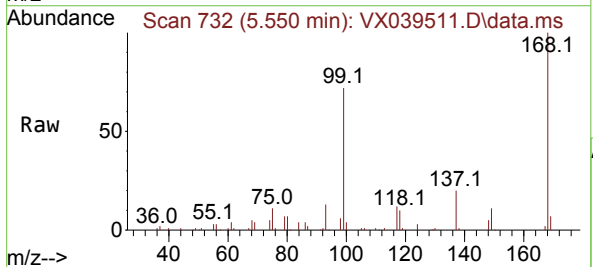
Instrument :
MSVOA_X
ClientSampleId :
50230

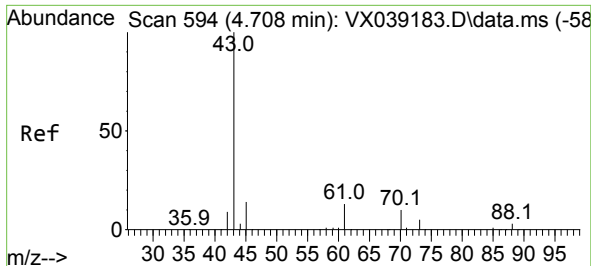
Tgt Ion:113 Resp: 52504
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 15.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.365 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion: 75 Resp: 7718
Ion Ratio Lower Upper
75 100
110 7.8 17.0 50.9#
77 0.0 24.7 37.1#

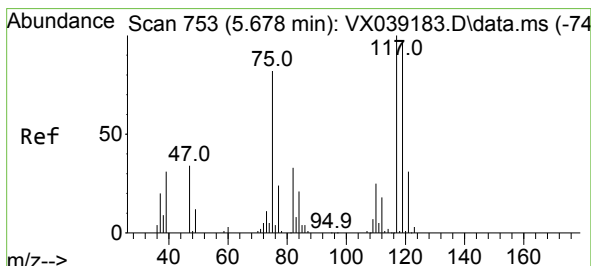
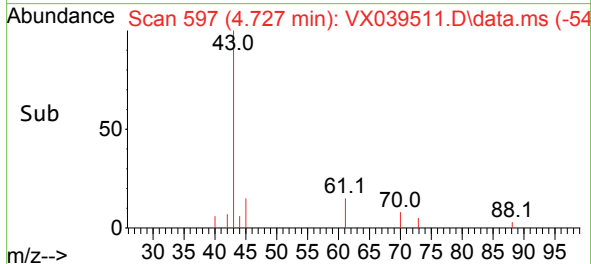
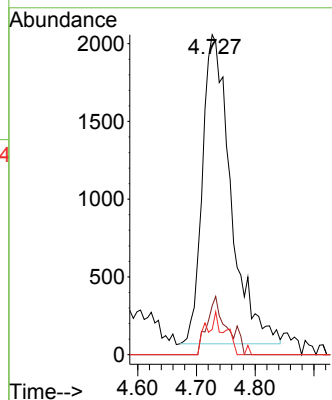
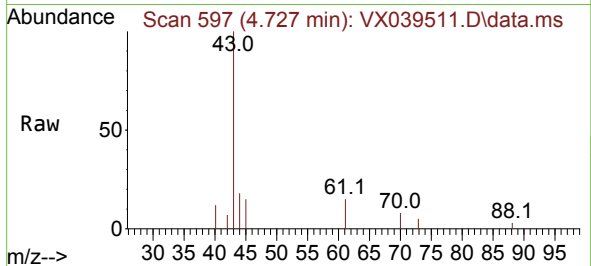




#37
Ethyl Acetate
Concen: 3.055 ug/l
RT: 4.727 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

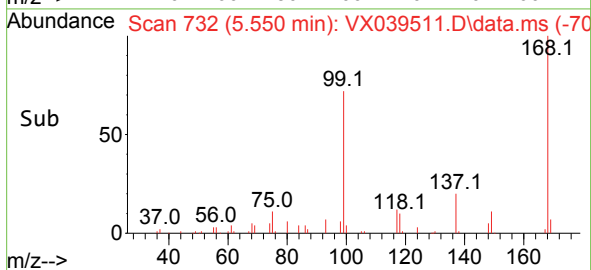
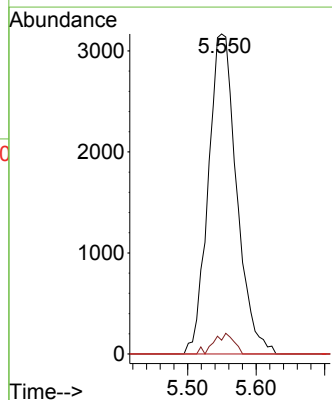
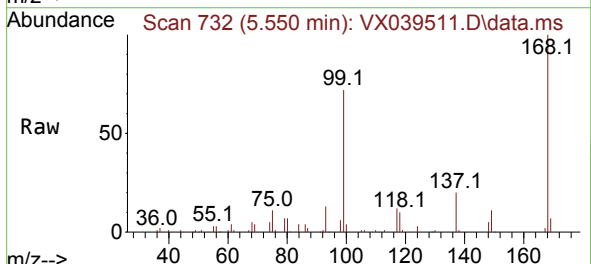
Instrument :
MSVOA_X
ClientSampleId :
50230

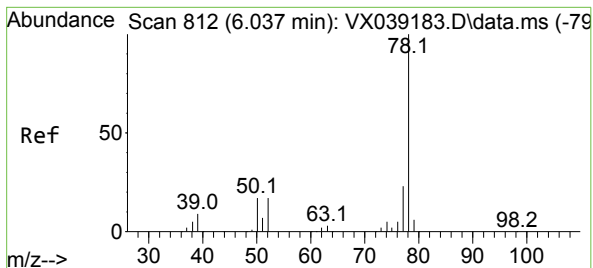
Tgt Ion: 43 Resp: 6674
Ion Ratio Lower Upper
43 100
61 13.1 10.6 16.0
70 8.9 8.3 12.5



#38
Carbon Tetrachloride
Concen: 5.398 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion: 117 Resp: 9109
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#





#40

Benzene

Concen: 3.727 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX039511.D

Acq: 28 Dec 2023 13:15

Instrument :

MSVOA_X

ClientSampleId :

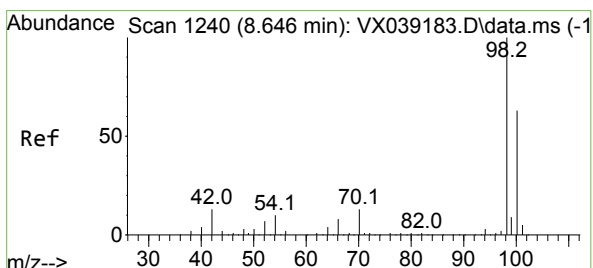
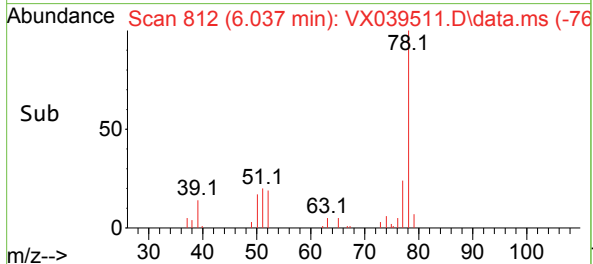
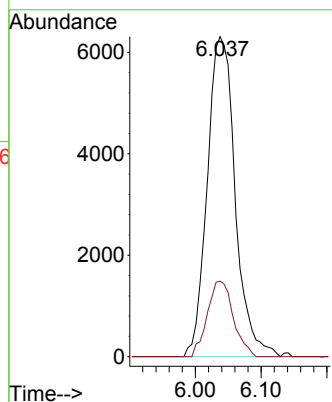
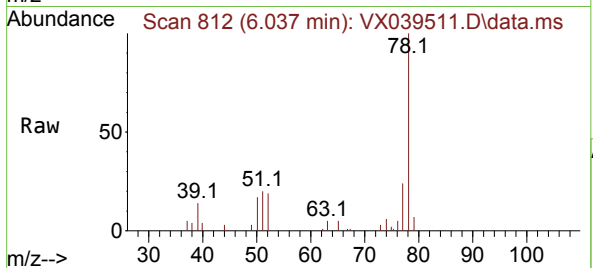
50230

Tgt Ion: 78 Resp: 18642

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9



#50

Toluene-d8

Concen: 49.543 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039511.D

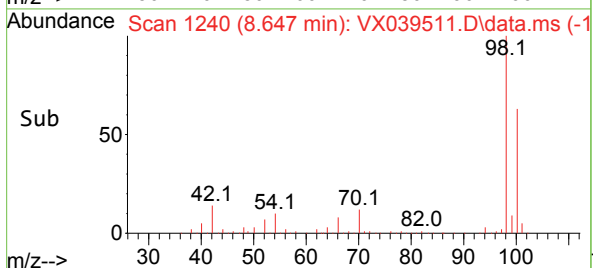
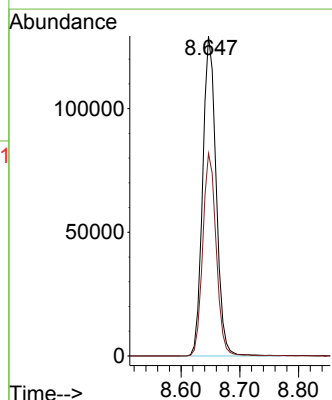
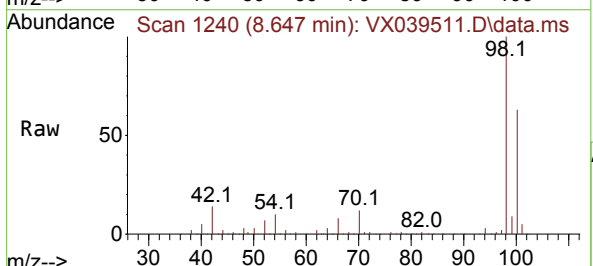
Acq: 28 Dec 2023 13:15

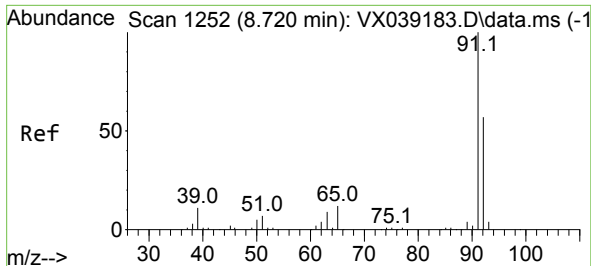
Tgt Ion: 98 Resp: 206096

Ion Ratio Lower Upper

98 100

100 63.2 53.1 79.7

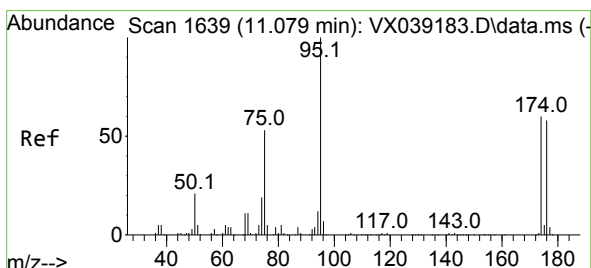
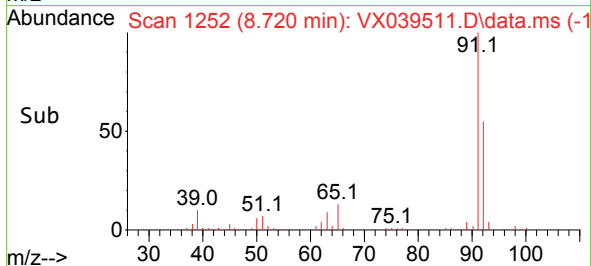
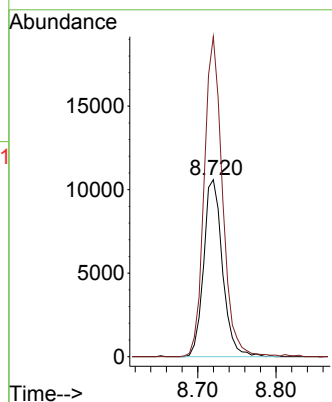
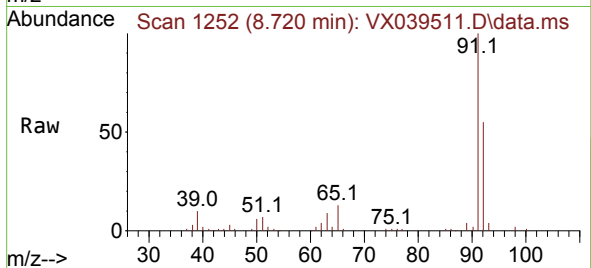




#52
Toluene
Concen: 5.842 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

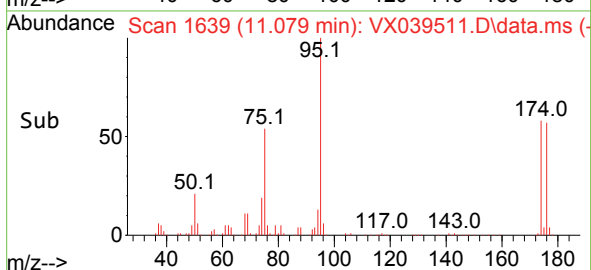
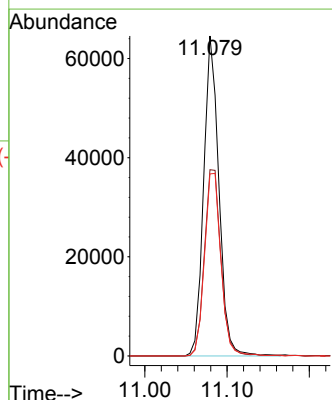
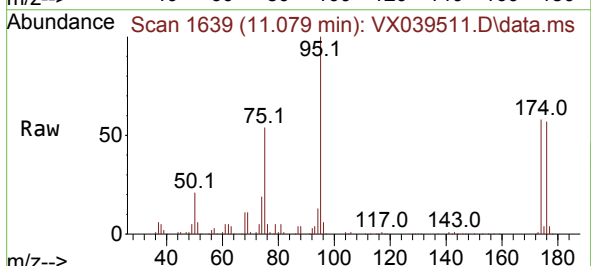
Instrument :
MSVOA_X
ClientSampleId :
50230

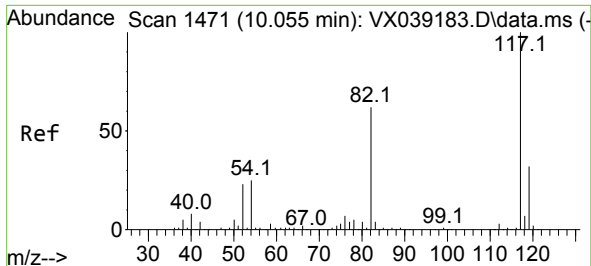
Tgt Ion: 92 Resp: 17637
Ion Ratio Lower Upper
92 100
91 176.0 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 48.369 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion: 95 Resp: 83020
Ion Ratio Lower Upper
95 100
174 63.4 0.0 135.6
176 61.7 0.0 131.0

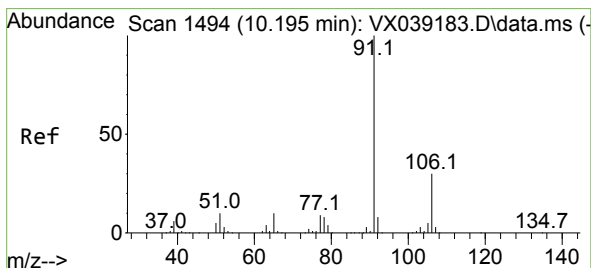
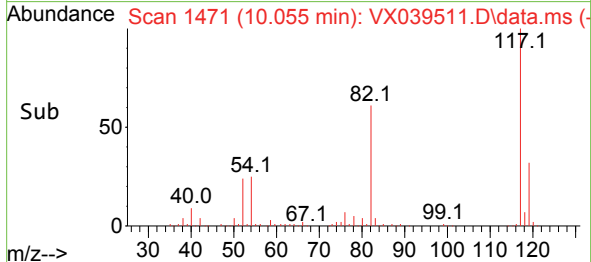
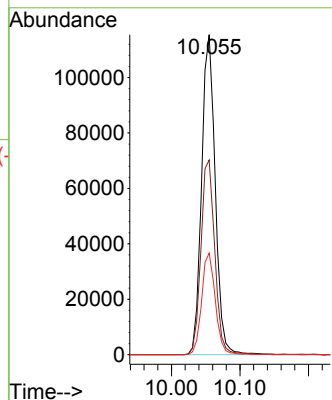
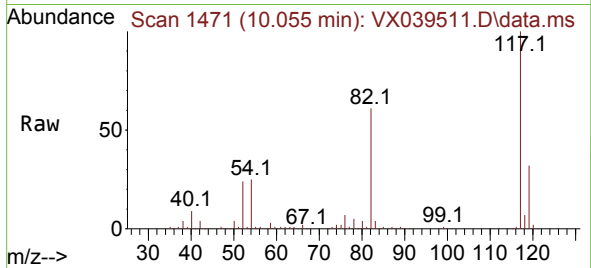




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

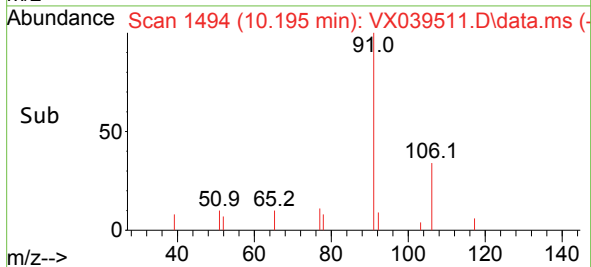
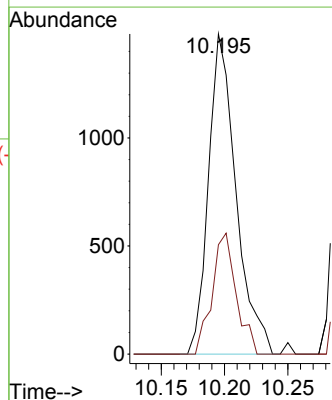
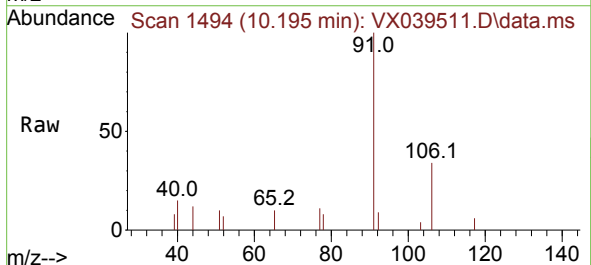
Instrument :
MSVOA_X
ClientSampleId :
50230

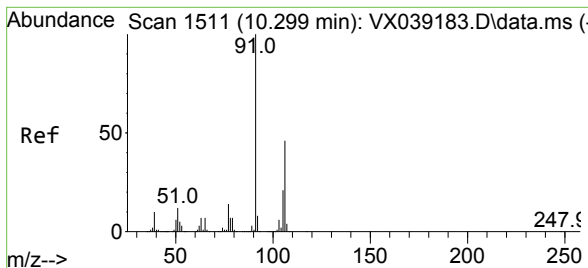
Tgt Ion:117 Resp: 159981
Ion Ratio Lower Upper
117 100
82 60.8 46.2 69.4
119 31.7 25.5 38.3



#67
Ethyl Benzene
Concen: 0.345 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion: 91 Resp: 2241
Ion Ratio Lower Upper
91 100
106 34.2 24.9 37.3

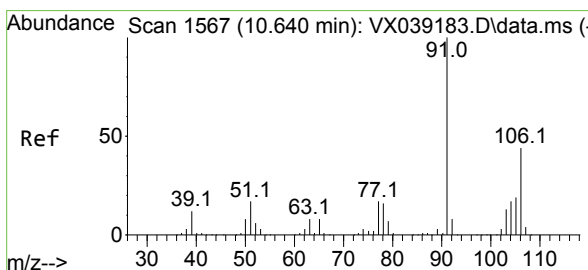
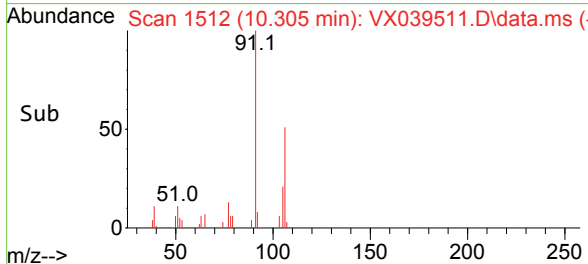
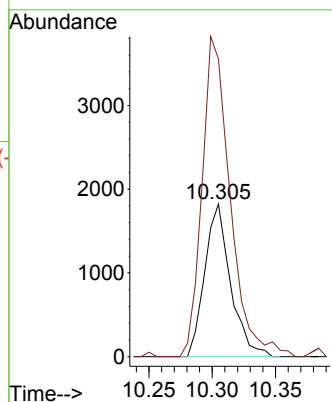
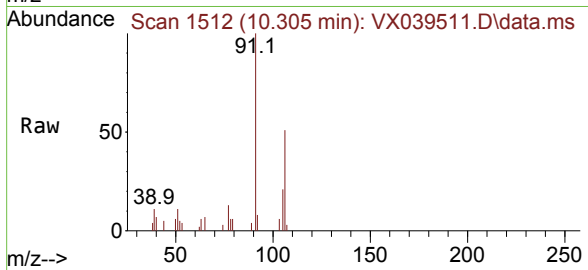




#68
m/p-Xylenes
Concen: 1.108 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

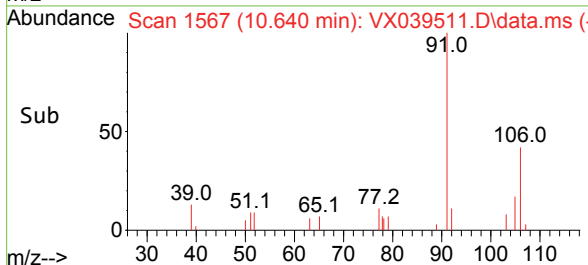
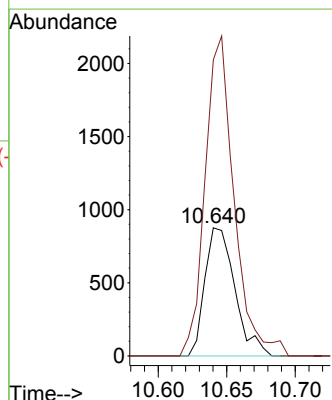
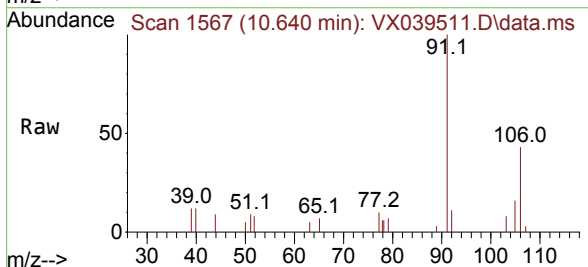
Instrument :
MSVOA_X
ClientSampleId :
50230

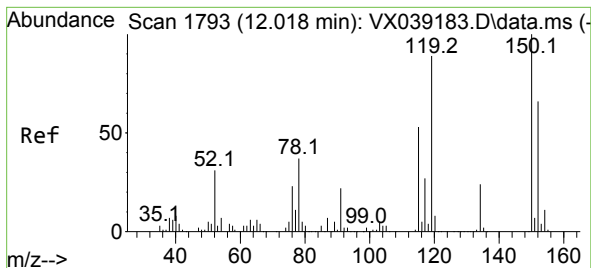
Tgt Ion:106 Resp: 2582
Ion Ratio Lower Upper
106 100
91 229.3 165.5 248.3



#69
o-Xylene
Concen: 0.592 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion:106 Resp: 1334
Ion Ratio Lower Upper
106 100
91 241.6 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039511.D

Acq: 28 Dec 2023 13:15

Instrument :

MSVOA_X

ClientSampleId :

50230

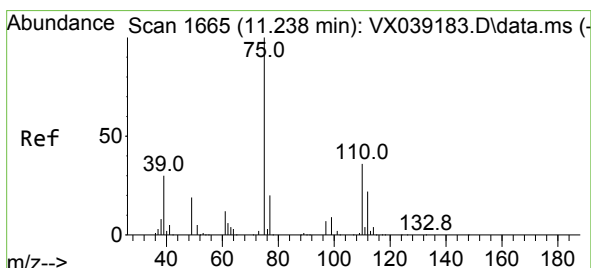
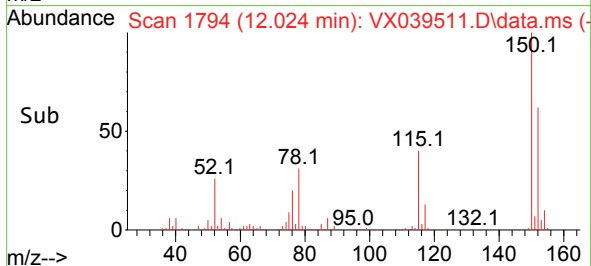
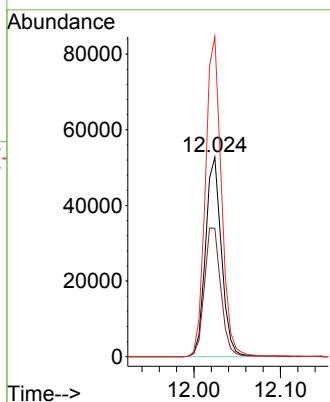
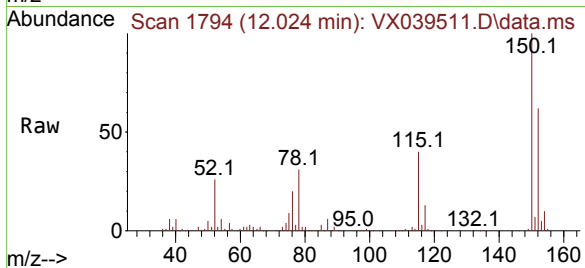
Tgt Ion:152 Resp: 67479

Ion Ratio Lower Upper

152 100

115 66.9 43.3 129.9

150 161.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.010 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039511.D

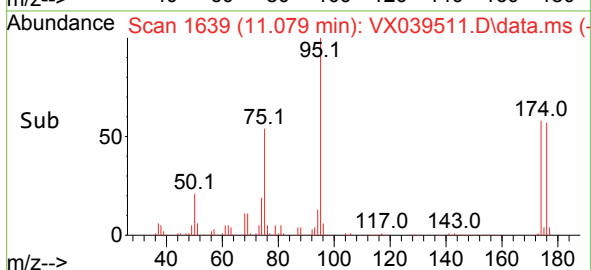
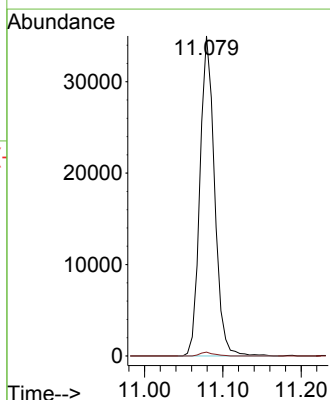
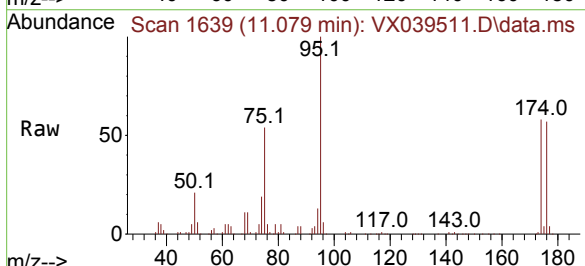
Acq: 28 Dec 2023 13:15

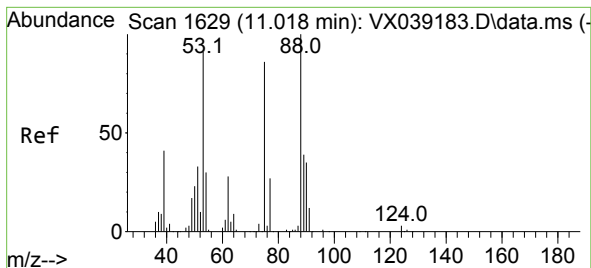
Tgt Ion: 75 Resp: 45409

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

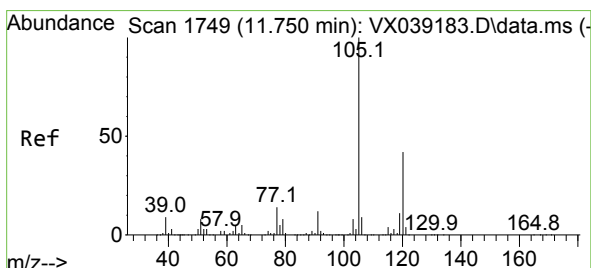
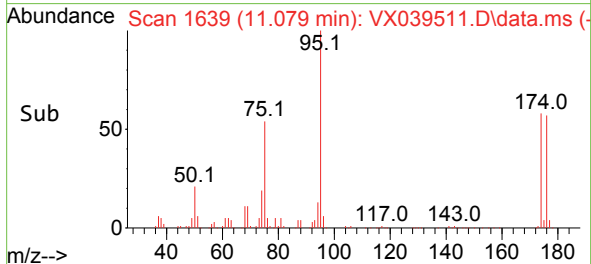
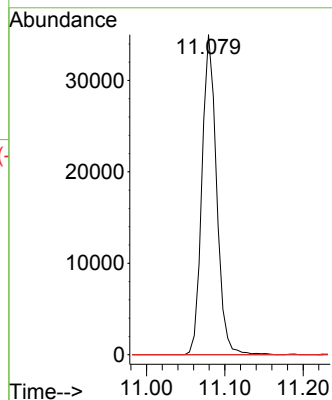
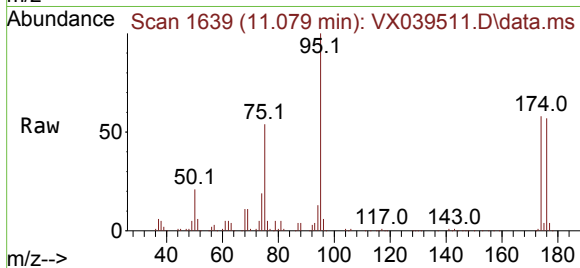




#81
trans-1,4-Dichloro-2-butene
Concen: 73.375 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Instrument :
MSVOA_X
ClientSampleId :
50230

Tgt Ion: 75 Resp: 45409
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.463 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion: 105 Resp: 2104
Ion Ratio Lower Upper
105 100
120 40.1 21.2 63.6

