

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012723\
 Data File : VX033932.D
 Acq On : 27 Jan 2023 13:05
 Operator : JC/MD
 Sample : 01327-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 N48965

Quant Time: Jan 28 03:05:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

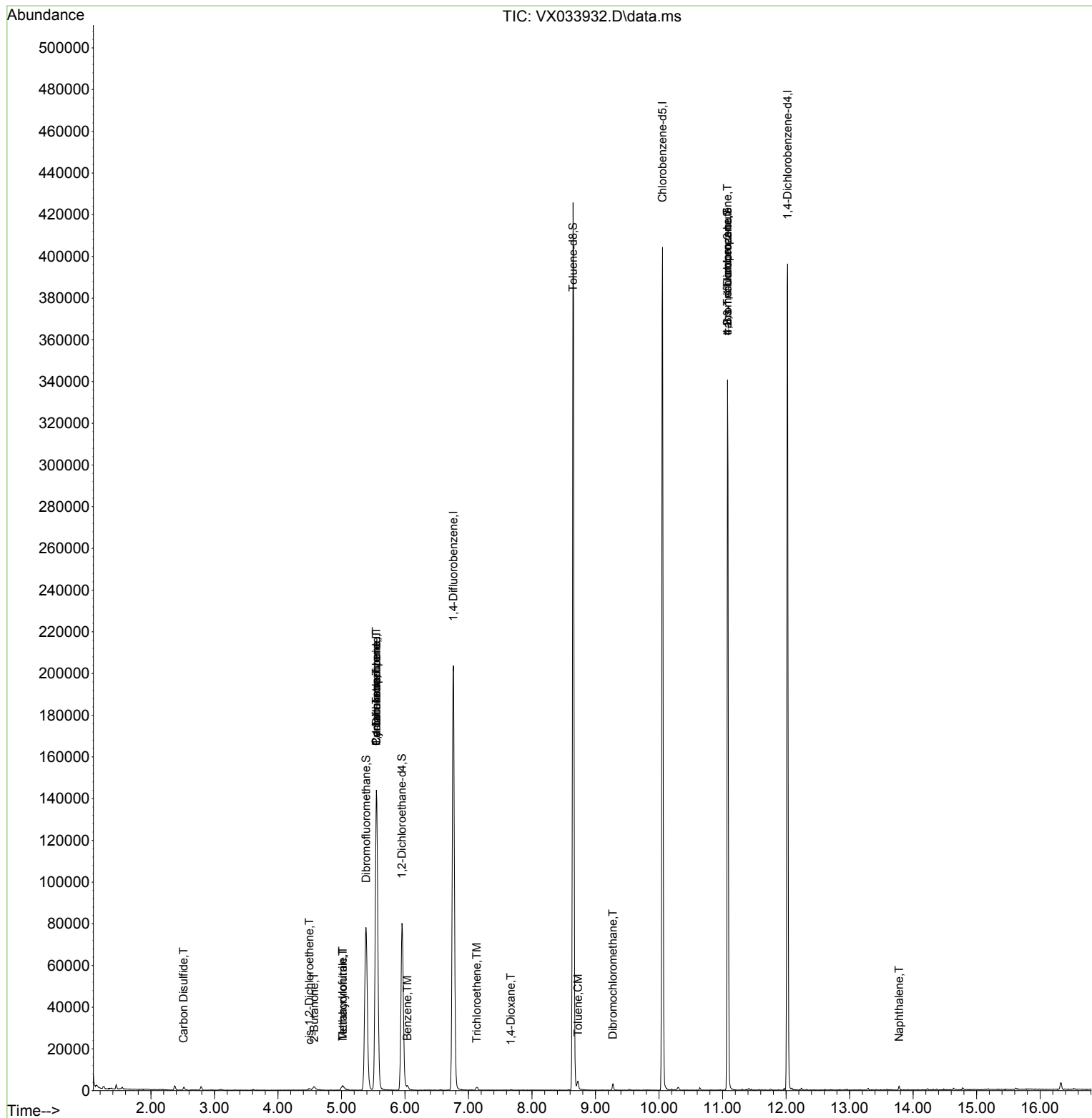
Internal Standards						
1) Pentafluorobenzene	5.550	168	159832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226387	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75391	44.799	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.600%		
35) Dibromofluoromethane	5.385	113	70199	49.937	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.880%		
50) Toluene-d8	8.647	98	256883	50.154	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.300%		
62) 4-Bromofluorobenzene	11.079	95	88375	46.473	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.940%		
Target Compounds						
					Qvalue	
16) Acetone	2.374	43	2376	Below Cal		96
17) Carbon Disulfide	2.514	76	671	2.019 ug/l #		76
20) Methylene Chloride	2.788	84	925	Below Cal #		74
25) 2-Butanone	4.568	43	3118	2.836 ug/l		95
27) cis-1,2-Dichloroethene	4.495	96	681	0.390 ug/l		79
29) Tetrahydrofuran	5.019	42	2213	3.193 ug/l		95
31) Cyclohexane	5.550	56	2218	0.896 ug/l #		1
36) 1,1-Dichloropropene	5.550	75	9106	4.438 ug/l #		48
37) Ethyl Acetate	4.568	43	3118	Below Cal #		68
38) Carbon Tetrachloride	5.550	117	13301	6.260 ug/l #		15
40) Benzene	6.037	78	2257	0.377 ug/l		94
41) Methacrylonitrile	5.019	41	1237	1.094 ug/l #		47
44) Trichloroethene	7.129	130	755	0.451 ug/l		87
49) 1,4-Dioxane	7.665	88	139	3.852 ug/l #		56
52) Toluene	8.726	92	1917	0.496 ug/l		99
60) Dibromochloromethane	9.275	129	549	0.346 ug/l #		11
64) Tetrachloroethene	9.275	164	734	Below Cal #		83
73) Isopropylbenzene	10.963	105	84	Below Cal #		48
76) 1,2,3-Trichloropropane	11.079	75	40106	23.136 ug/l #		34
79) 2-Chlorotoluene	11.372	91	261	Below Cal #		39
81) trans-1,4-Dichloro-2-b...	11.079	75	40106	71.905 ug/l #		8
82) 4-Chlorotoluene	11.457	91	195	Below Cal #		43
95) Naphthalene	13.780	128	1586	0.266 ug/l		98

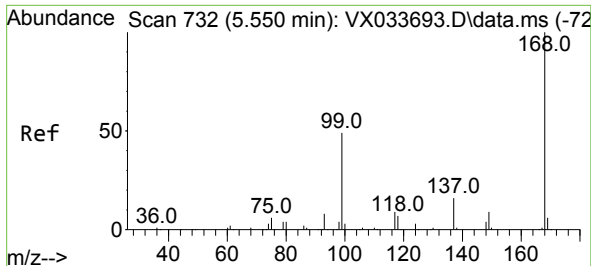
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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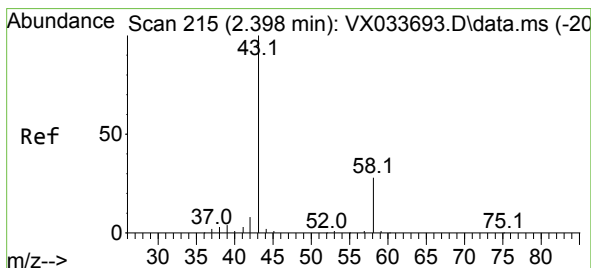
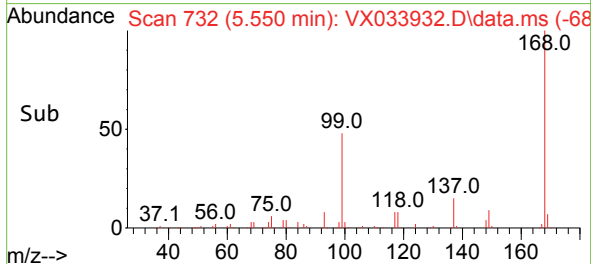
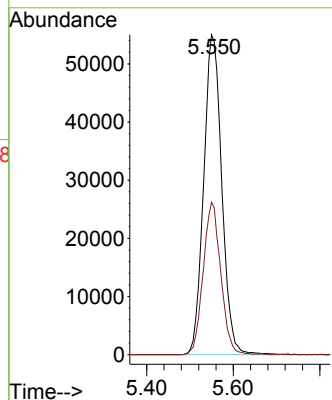
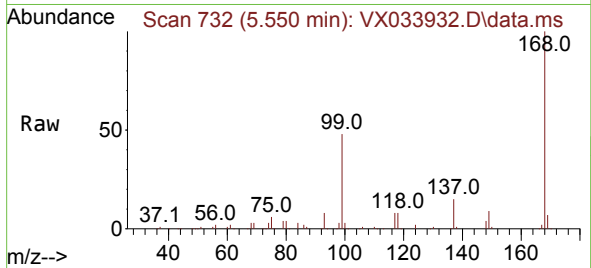




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

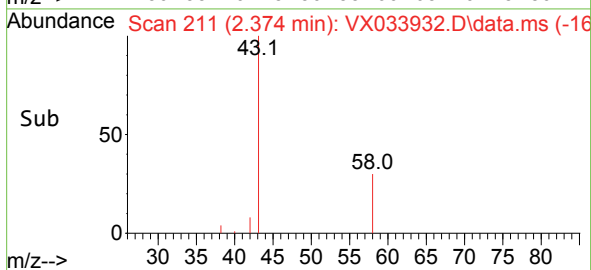
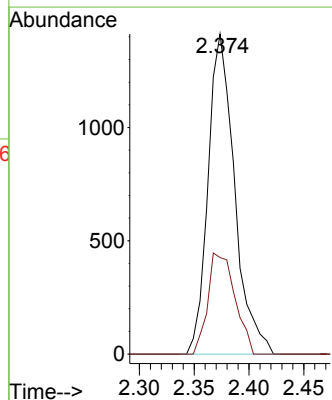
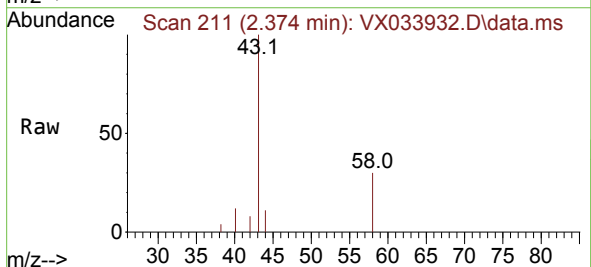
Instrument :
MSVOA_X
ClientSampleId :
N48965

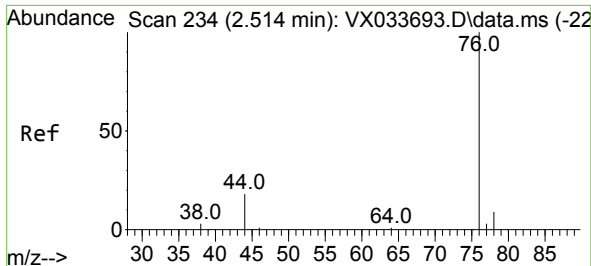
Tgt Ion:168 Resp: 159832
Ion Ratio Lower Upper
168 100
99 47.6 39.6 59.4



#16
Acetone
Concen: Below Cal
RT: 2.374 min Scan# 211
Delta R.T. -0.024 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

Tgt Ion: 43 Resp: 2376
Ion Ratio Lower Upper
43 100
58 30.1 22.6 33.8





#17

Carbon Disulfide

Concen: 2.019 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033932.D

Acq: 27 Jan 2023 13:05

Instrument :

MSVOA_X

ClientSampleId :

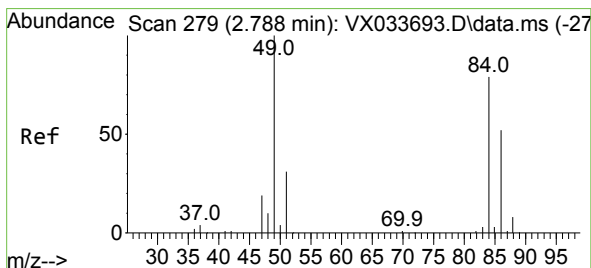
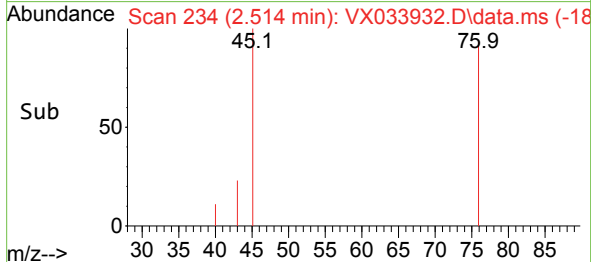
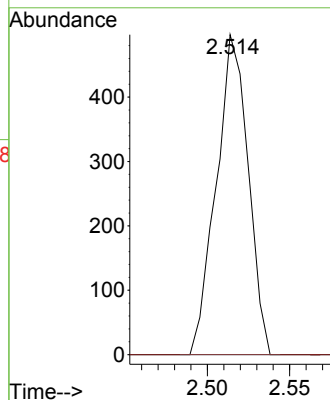
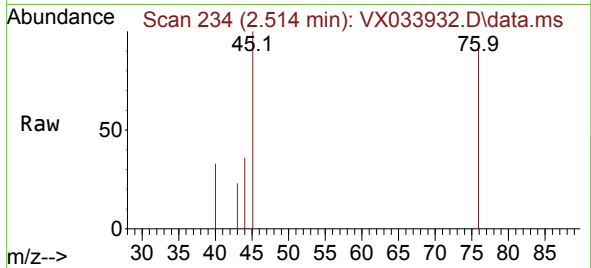
N48965

Tgt Ion: 76 Resp: 671

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX033932.D

Acq: 27 Jan 2023 13:05

Tgt Ion: 84 Resp: 925

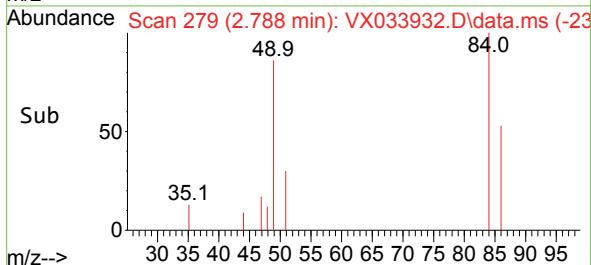
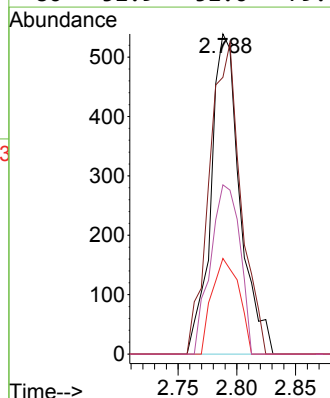
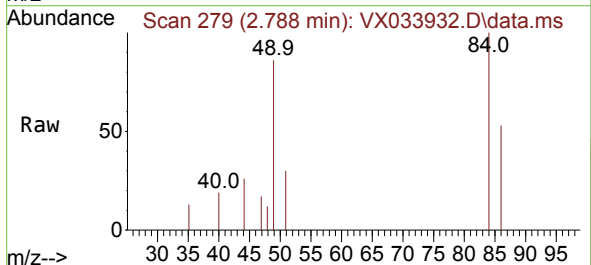
Ion Ratio Lower Upper

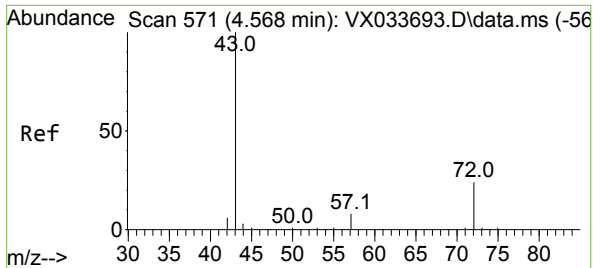
84 100

49 86.5 101.1 151.7#

51 29.9 31.0 46.6#

86 52.9 52.6 79.0

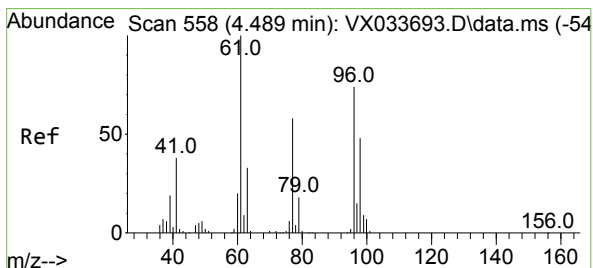
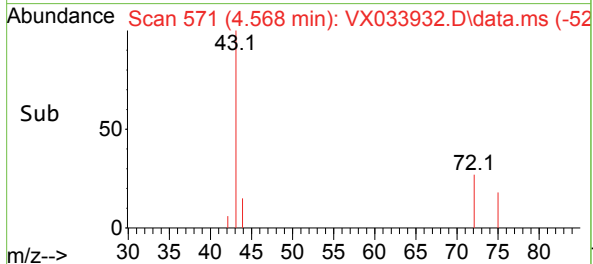
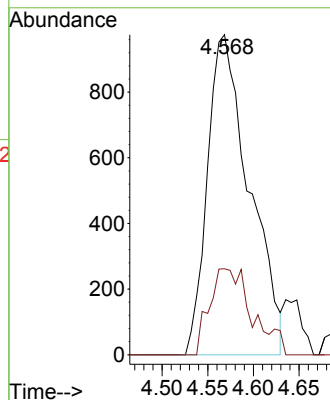
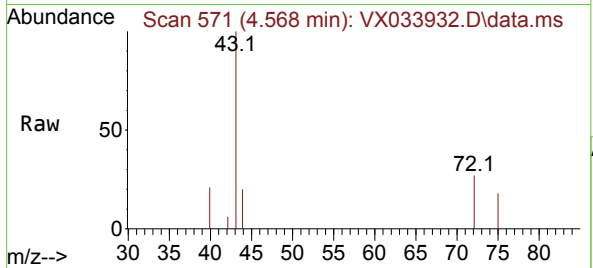




#25
2-Butanone
Concen: 2.836 ug/l
RT: 4.568 min Scan# 511
Delta R.T. -0.000 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

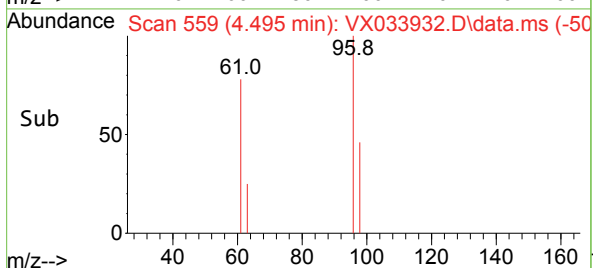
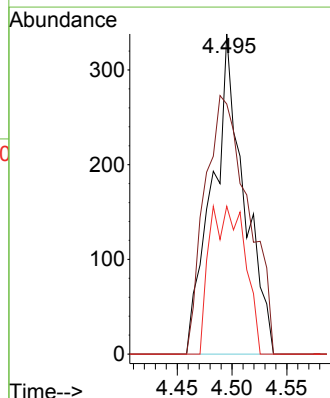
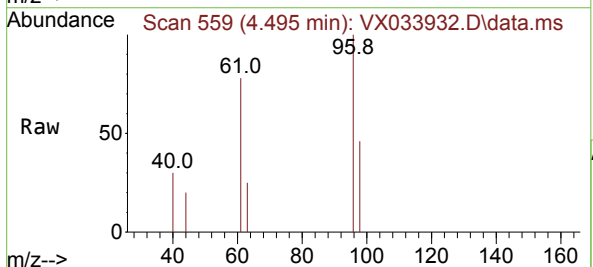
Instrument :
MSVOA_X
ClientSampleId :
N48965

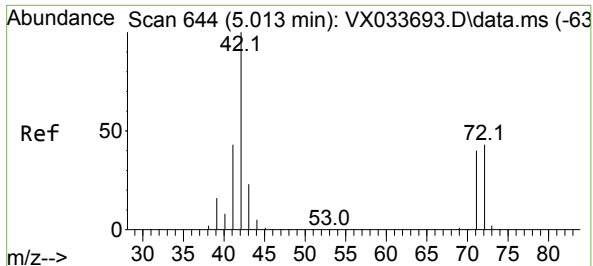
Tgt Ion: 43 Resp: 3118
Ion Ratio Lower Upper
43 100
72 26.9 19.4 29.2



#27
cis-1,2-Dichloroethene
Concen: 0.390 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

Tgt Ion: 96 Resp: 681
Ion Ratio Lower Upper
96 100
61 109.8 0.0 277.6
98 51.8 0.0 128.0





#29

Tetrahydrofuran

Concen: 3.193 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX033932.D

Acq: 27 Jan 2023 13:05

Instrument :

MSVOA_X

ClientSampleId :

N48965

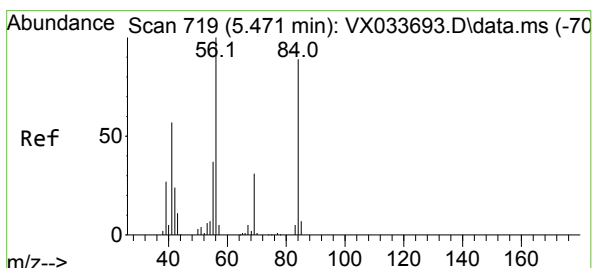
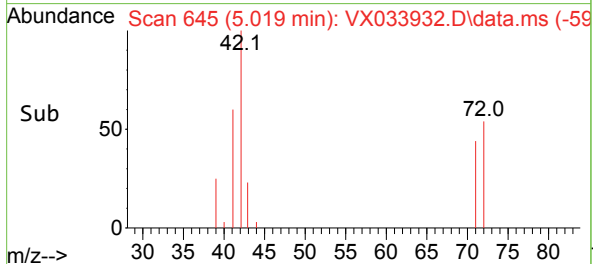
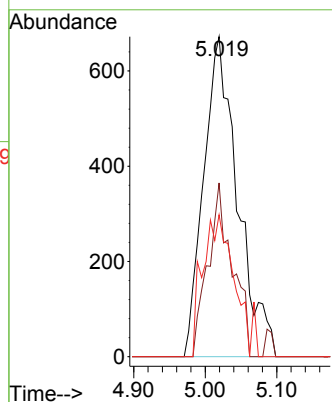
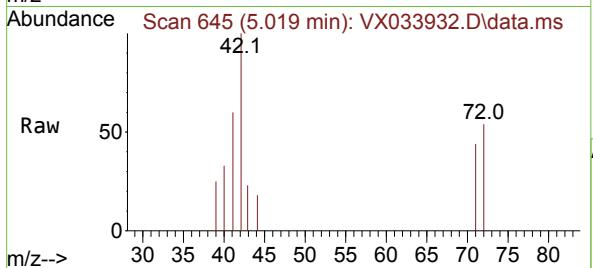
Tgt Ion: 42 Resp: 2213

Ion Ratio Lower Upper

42 100

72 39.1 34.8 52.2

71 41.8 32.2 48.2



#31

Cyclohexane

Concen: 0.896 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033932.D

Acq: 27 Jan 2023 13:05

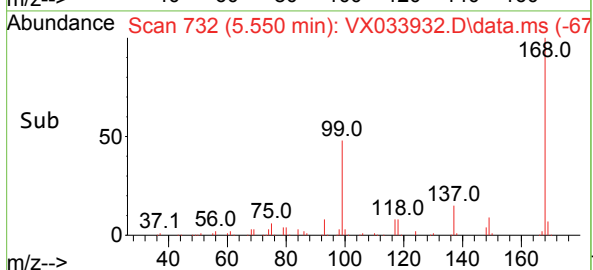
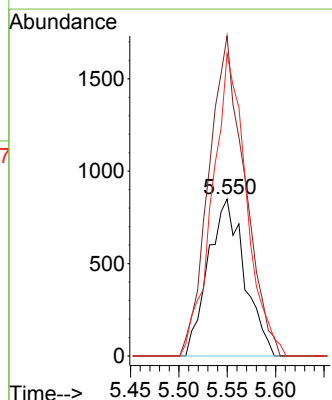
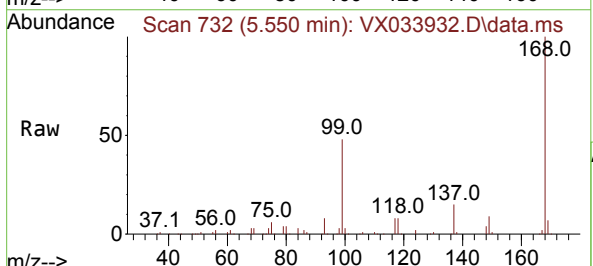
Tgt Ion: 56 Resp: 2218

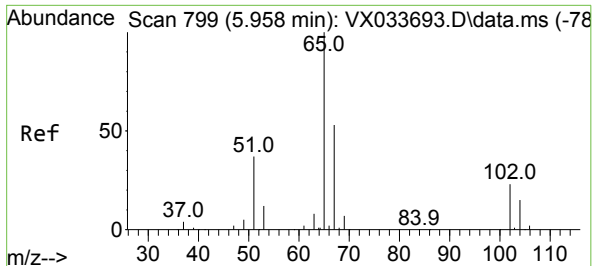
Ion Ratio Lower Upper

56 100

69 204.0 24.6 37.0#

84 192.7 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.799 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033932.D

Acq: 27 Jan 2023 13:05

Instrument :

MSVOA_X

ClientSampleId :

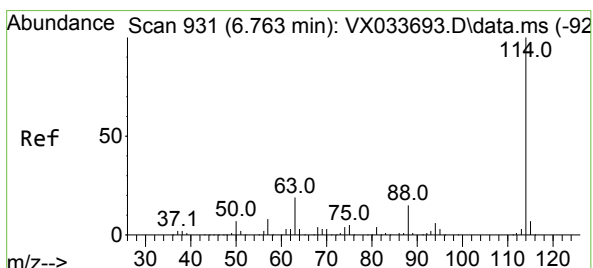
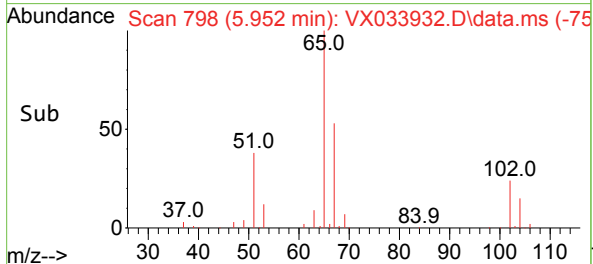
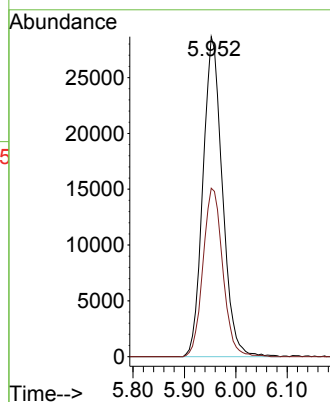
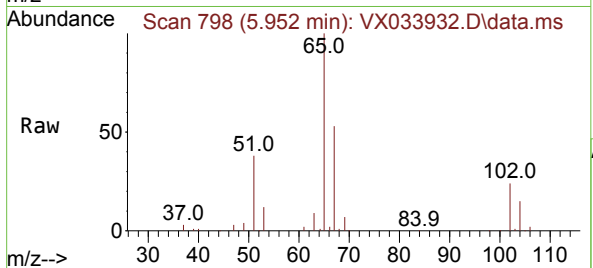
N48965

Tgt Ion: 65 Resp: 75391

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033932.D

Acq: 27 Jan 2023 13:05

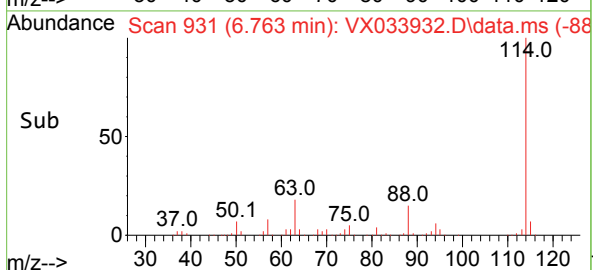
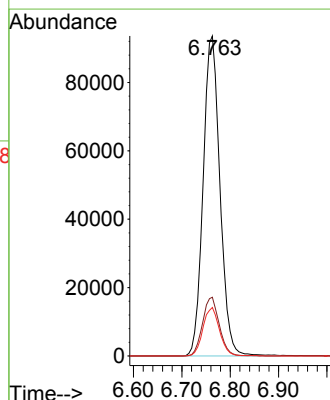
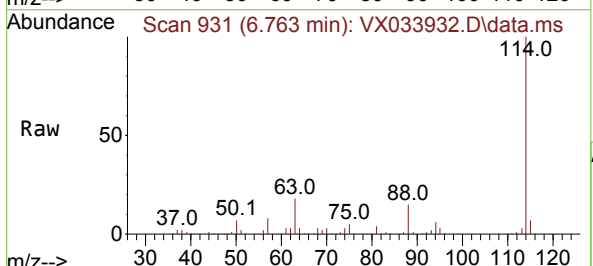
Tgt Ion:114 Resp: 226387

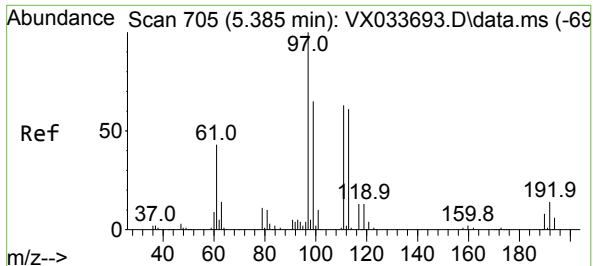
Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.4

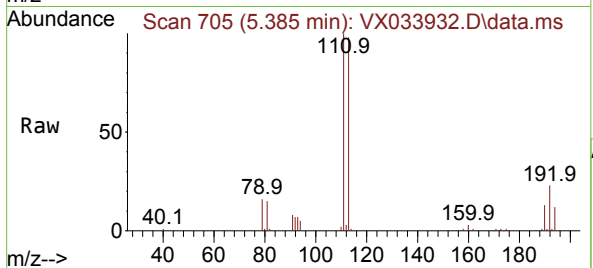
88 15.1 0.0 30.6



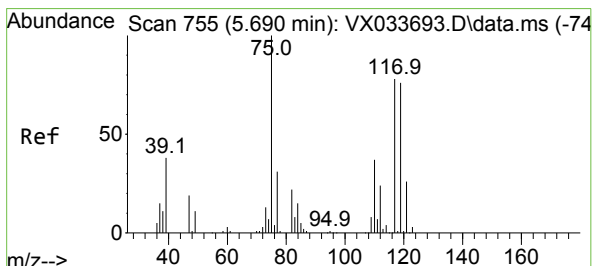
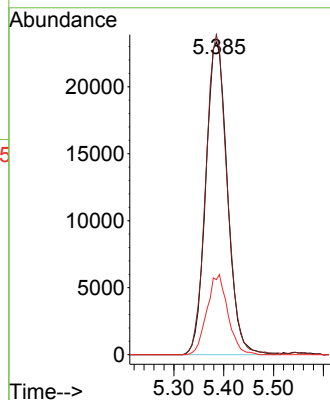
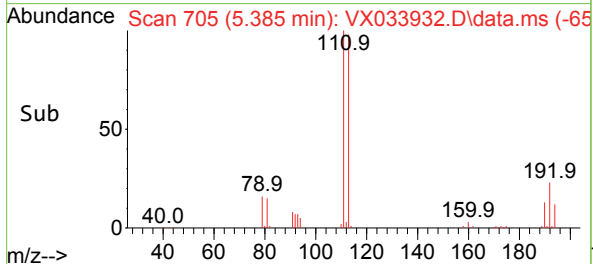


#35
Dibromofluoromethane
Concen: 49.937 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

Instrument :
MSVOA_X
ClientSampleId :
N48965

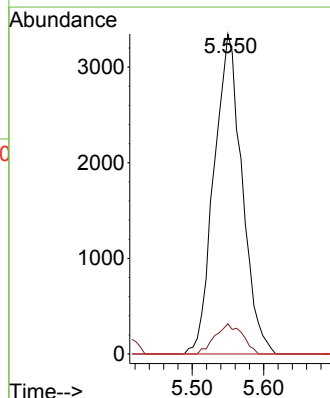
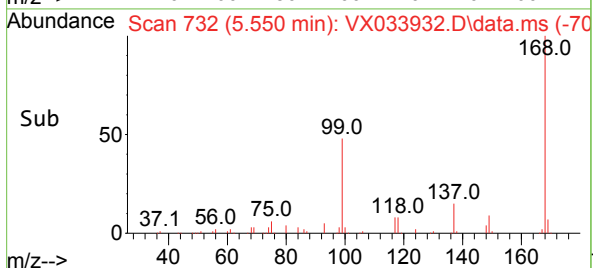
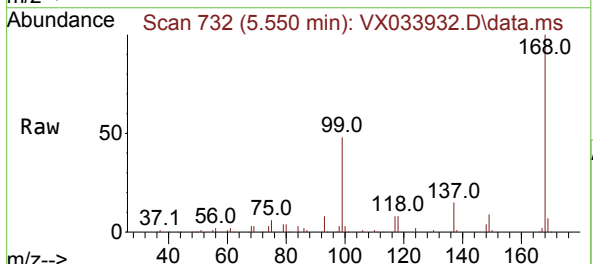


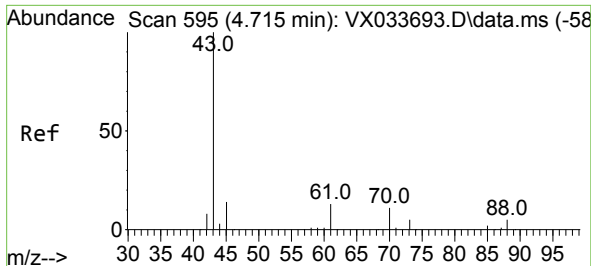
Tgt Ion:113 Resp: 70199
Ion Ratio Lower Upper
113 100
111 100.9 83.0 124.6
192 24.8 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.438 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

Tgt Ion: 75 Resp: 9106
Ion Ratio Lower Upper
75 100
110 9.2 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.568 min Scan# 51

Delta R.T. -0.147 min

Lab File: VX033932.D

Acq: 27 Jan 2023 13:05

Instrument :

MSVOA_X

ClientSampleId :

N48965

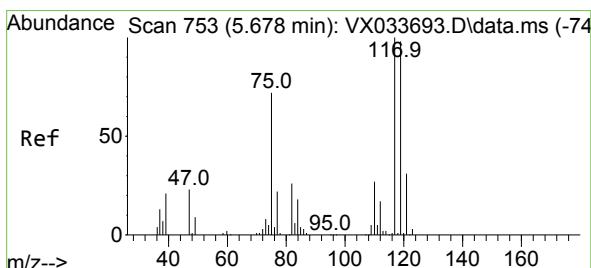
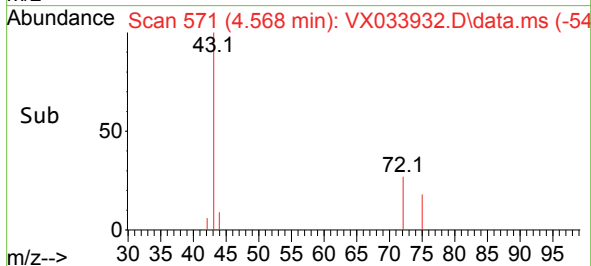
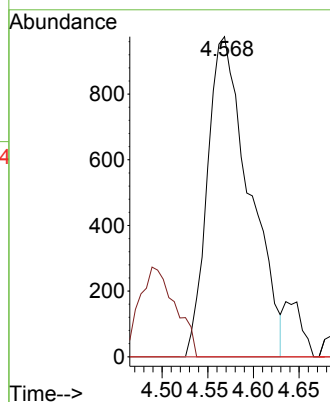
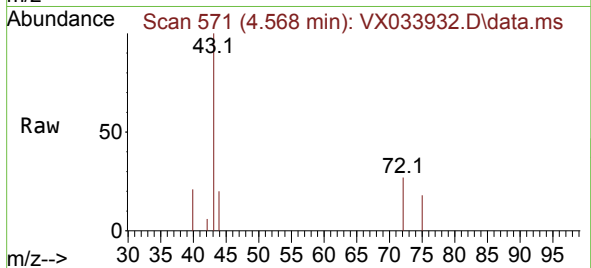
Tgt Ion: 43 Resp: 3118

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.260 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033932.D

Acq: 27 Jan 2023 13:05

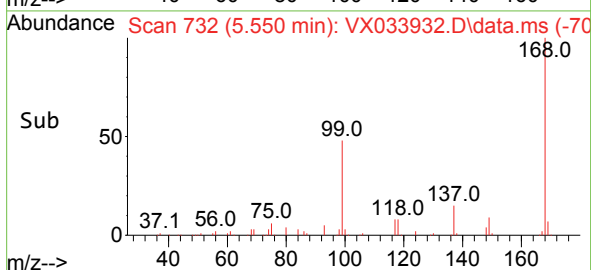
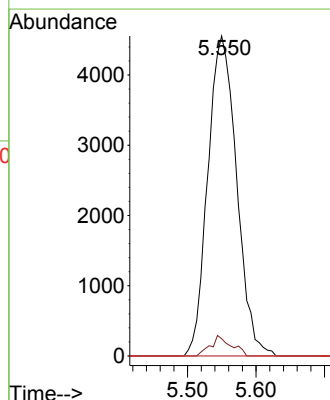
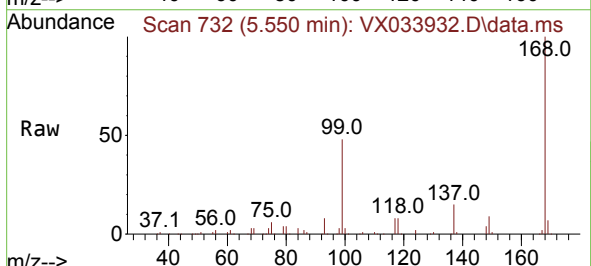
Tgt Ion: 117 Resp: 13301

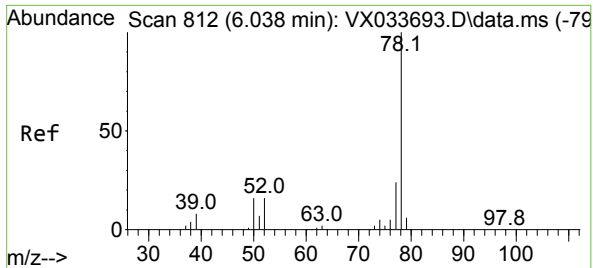
Ion Ratio Lower Upper

117 100

119 5.4 78.0 117.0#

121 0.0 24.4 36.6#





#40

Benzene

Concen: 0.377 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX033932.D

Acq: 27 Jan 2023 13:05

Instrument :

MSVOA_X

ClientSampleId :

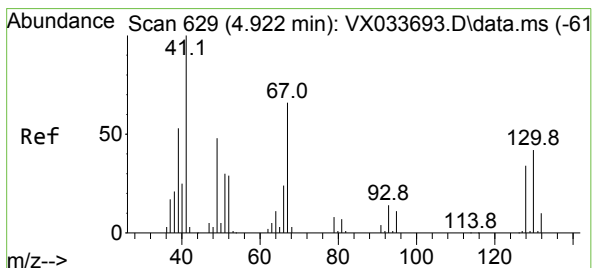
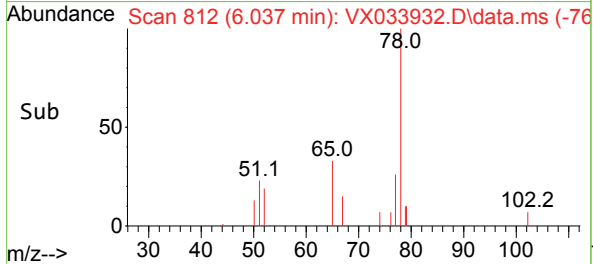
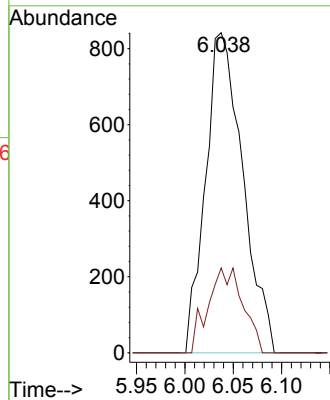
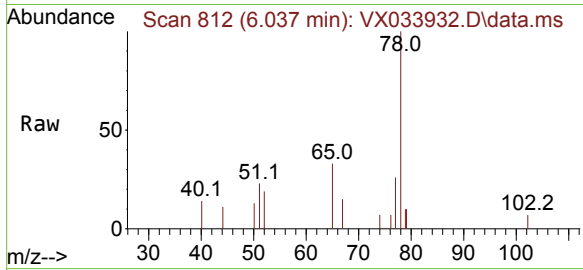
N48965

Tgt Ion: 78 Resp: 2257

Ion Ratio Lower Upper

78 100

77 26.5 19.0 28.4



#41

Methacrylonitrile

Concen: 1.094 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.097 min

Lab File: VX033932.D

Acq: 27 Jan 2023 13:05

Tgt Ion: 41 Resp: 1237

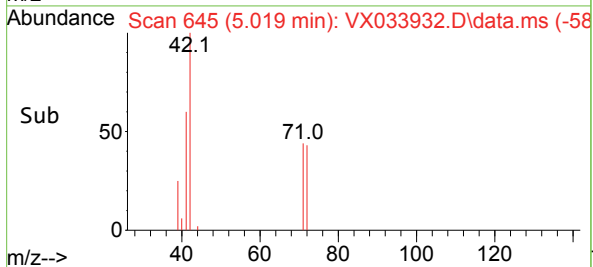
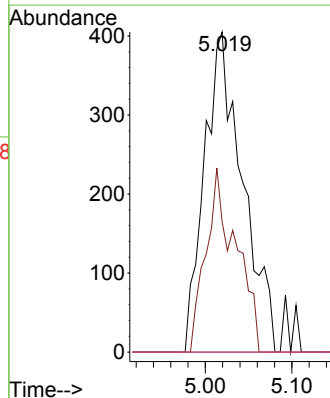
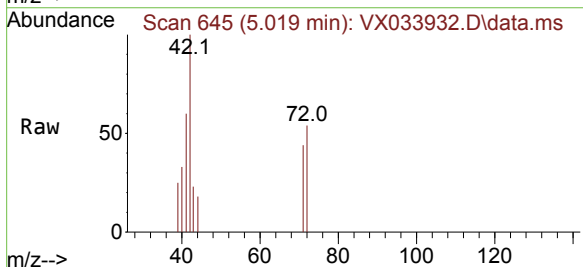
Ion Ratio Lower Upper

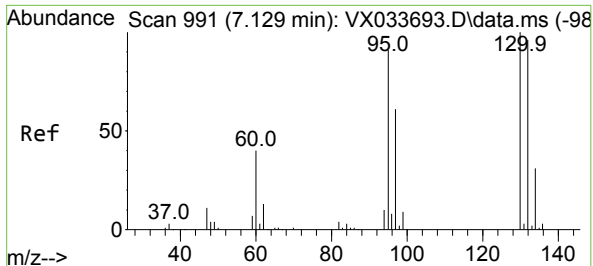
41 100

39 45.3 43.8 65.6

67 0.0 54.8 82.2#

52 0.0 23.0 34.6#

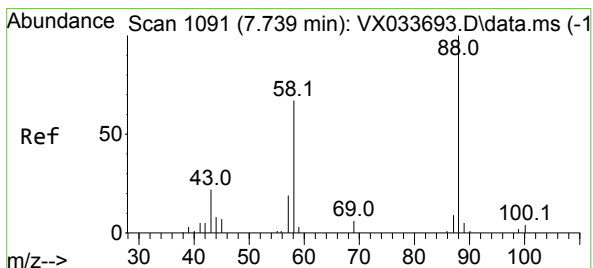
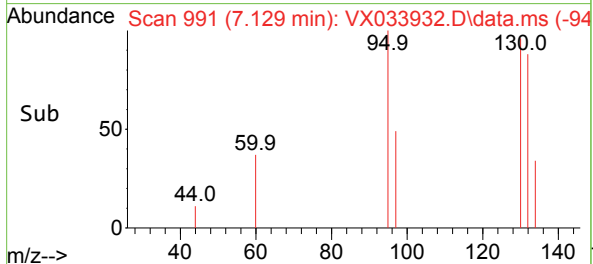
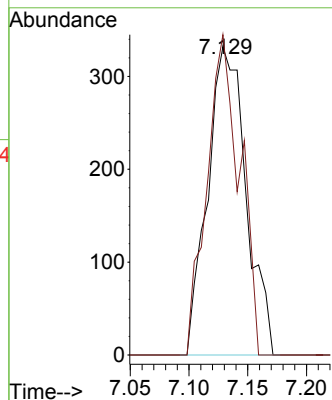
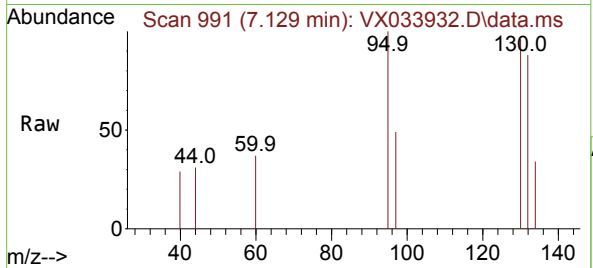




#44
Trichloroethene
Concen: 0.451 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

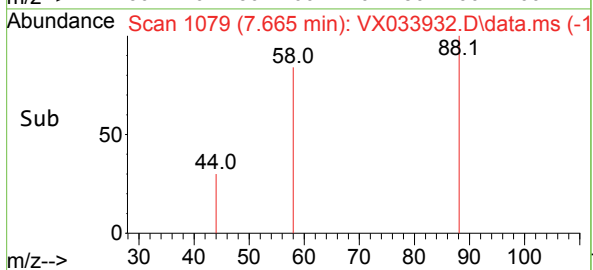
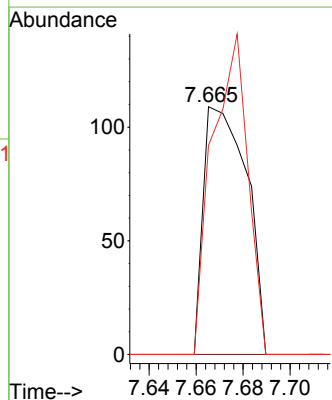
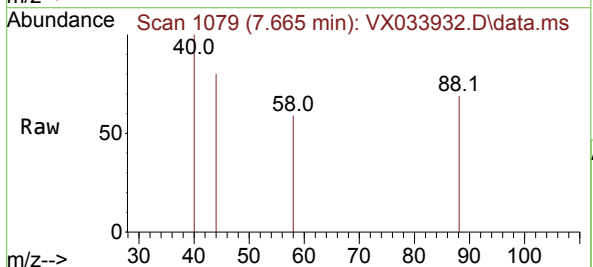
Instrument :
MSVOA_X
ClientSampleId :
N48965

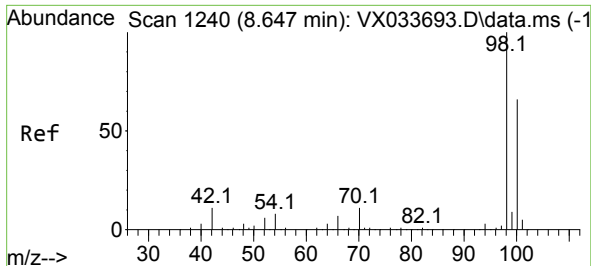
Tgt Ion:130 Resp: 755
Ion Ratio Lower Upper
130 100
95 103.9 0.0 182.6



#49
1,4-Dioxane
Concen: 3.852 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. -0.073 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

Tgt Ion: 88 Resp: 139
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 106.5 56.5 84.7#

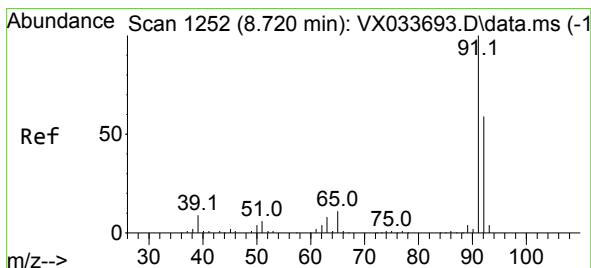
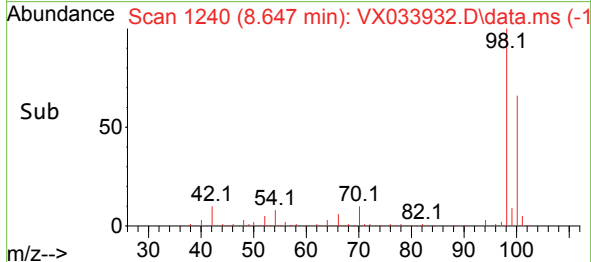
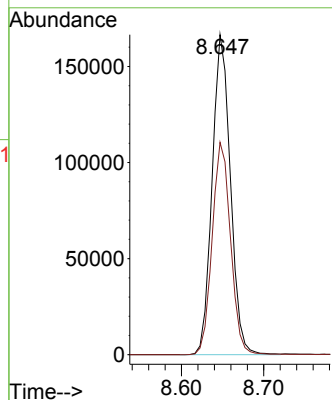
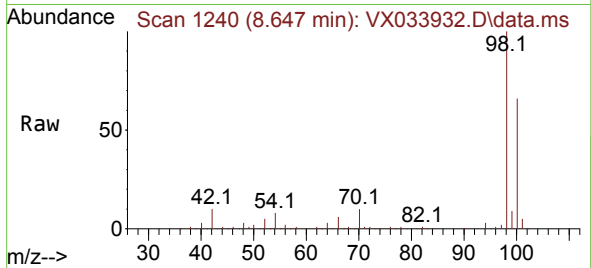




#50
Toluene-d8
Concen: 50.154 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

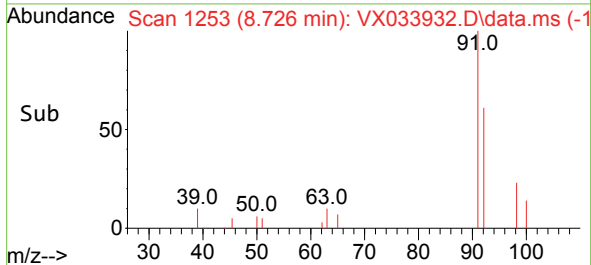
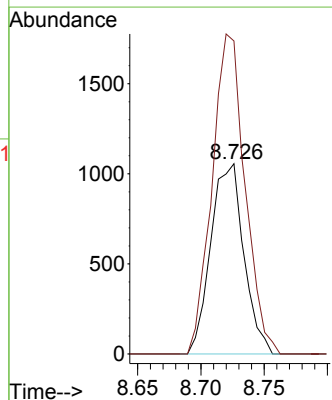
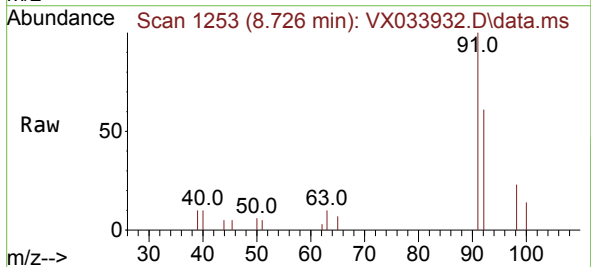
Instrument :
MSVOA_X
ClientSampleId :
N48965

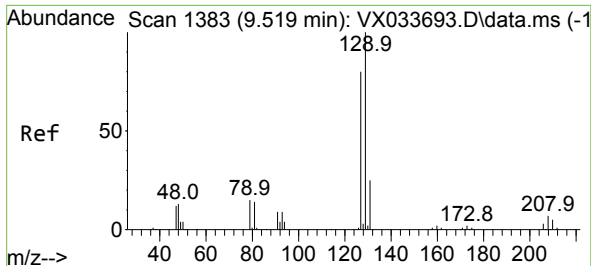
Tgt Ion: 98 Resp: 256883
Ion Ratio Lower Upper
98 100
100 66.9 53.6 80.4



#52
Toluene
Concen: 0.496 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

Tgt Ion: 92 Resp: 1917
Ion Ratio Lower Upper
92 100
91 167.8 135.5 203.3

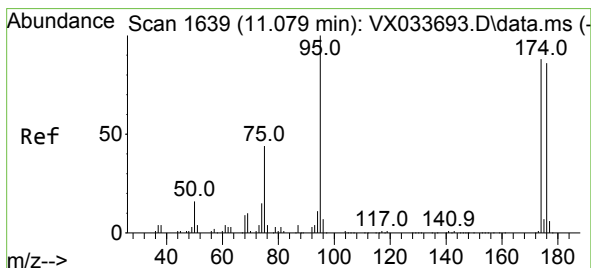
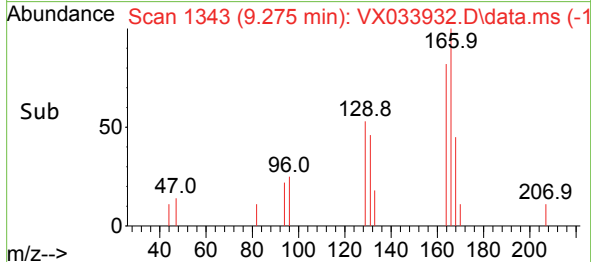
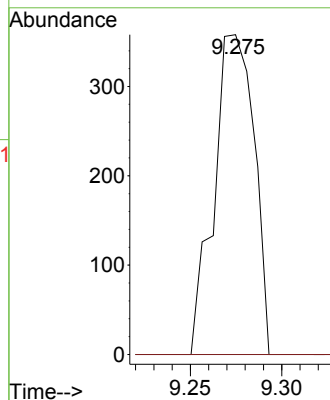
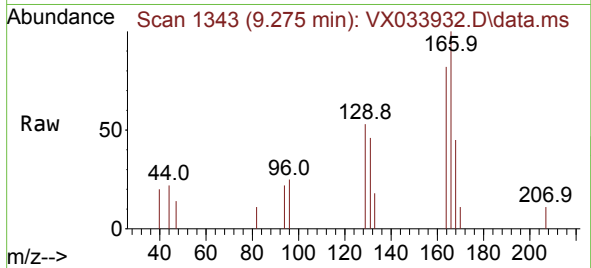




#60
Dibromochloromethane
Concen: 0.346 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

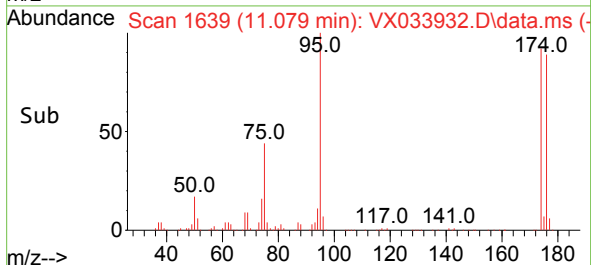
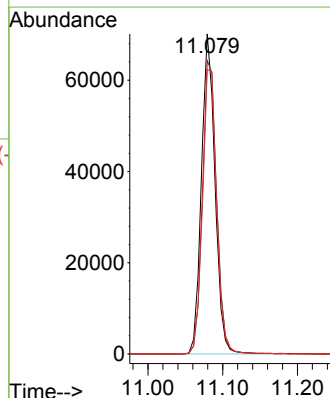
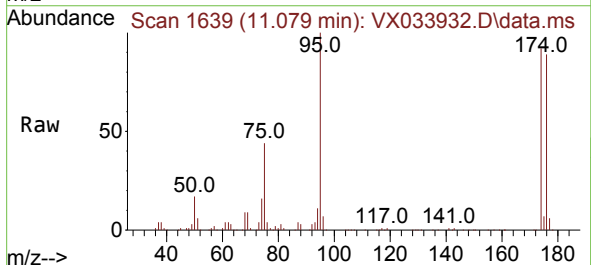
Instrument :
MSVOA_X
ClientSampleId :
N48965

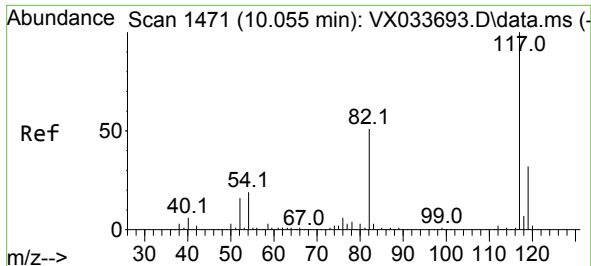
Tgt Ion:129 Resp: 549
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 46.473 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

Tgt Ion: 95 Resp: 88375
Ion Ratio Lower Upper
95 100
174 96.0 0.0 184.4
176 93.7 0.0 178.8

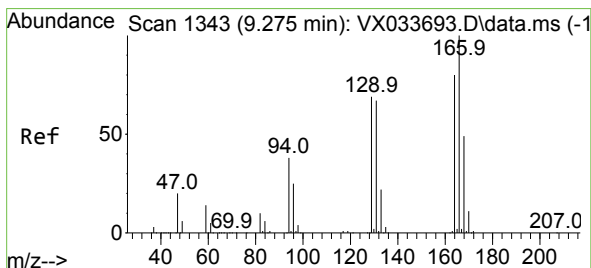
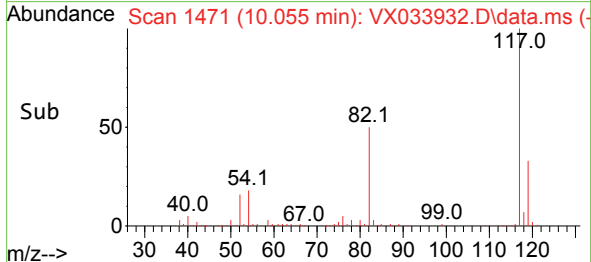
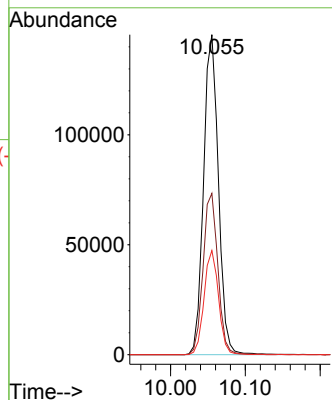
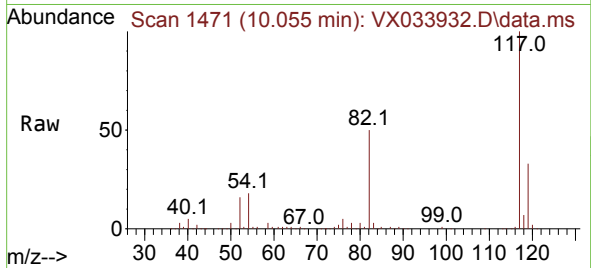




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

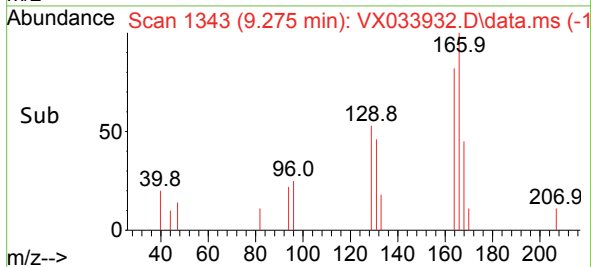
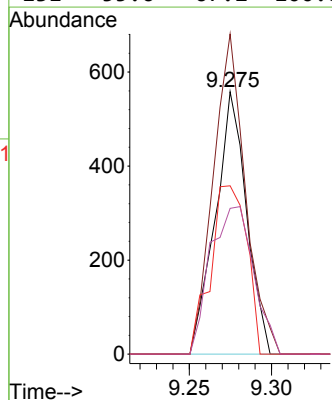
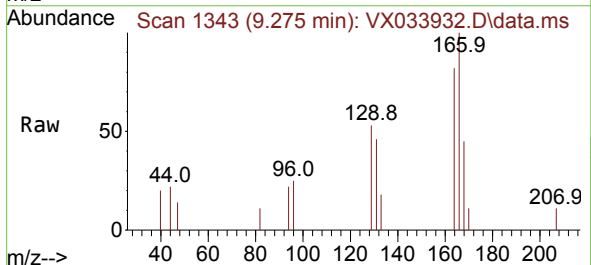
Instrument :
MSVOA_X
ClientSampleId :
N48965

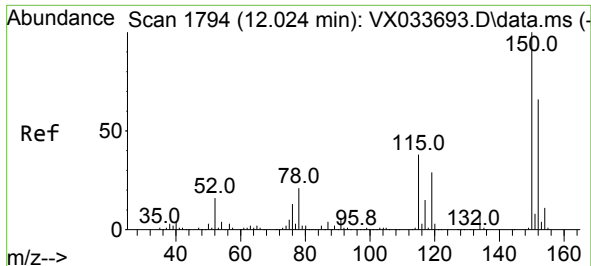
Tgt Ion:117 Resp: 200278
Ion Ratio Lower Upper
117 100
82 50.4 40.6 60.8
119 32.6 25.6 38.4



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

Tgt Ion:164 Resp: 734
Ion Ratio Lower Upper
164 100
166 122.0 100.2 150.2
129 64.2 69.2 103.8#
131 55.6 67.2 100.8#

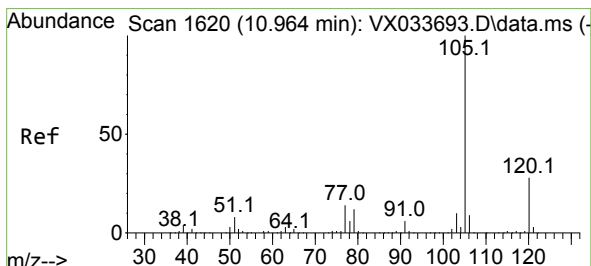
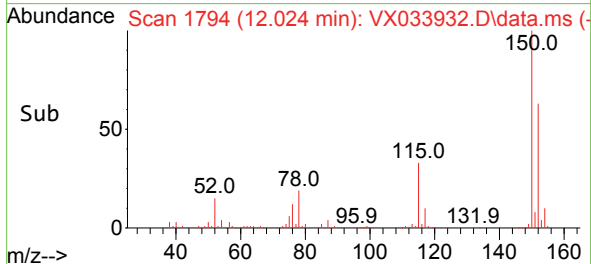
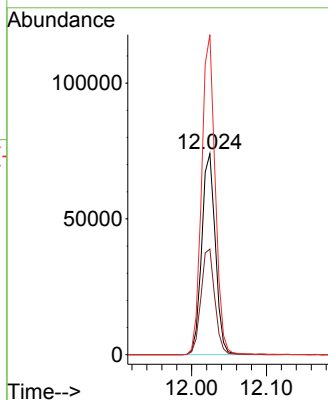
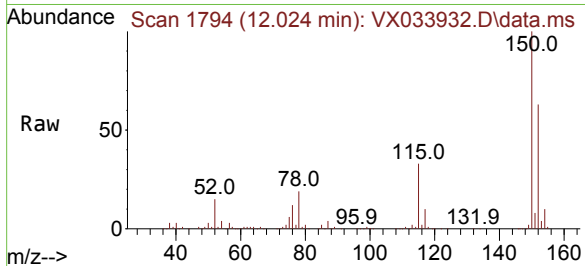




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

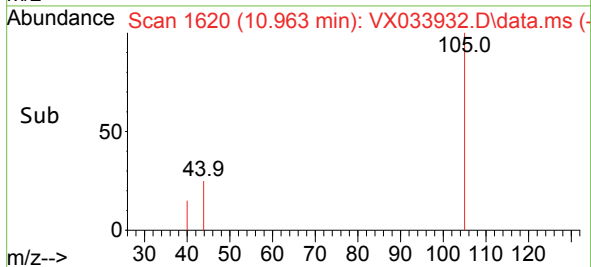
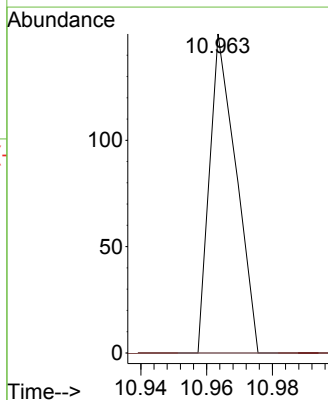
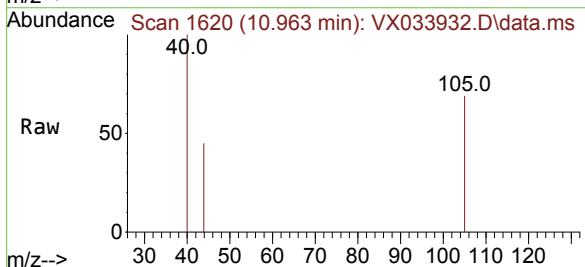
Instrument :
MSVOA_X
ClientSampleId :
N48965

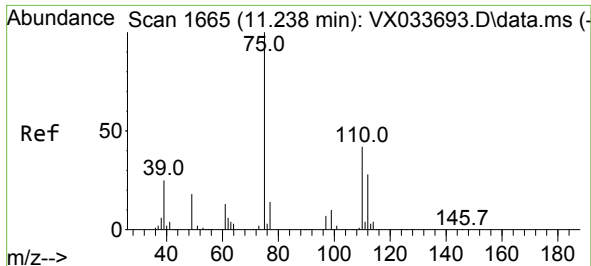
Tgt Ion:152 Resp: 94346
Ion Ratio Lower Upper
152 100
115 53.3 38.7 116.1
150 157.4 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

Tgt Ion:105 Resp: 84
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#

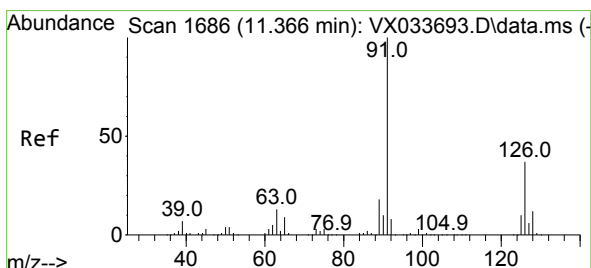
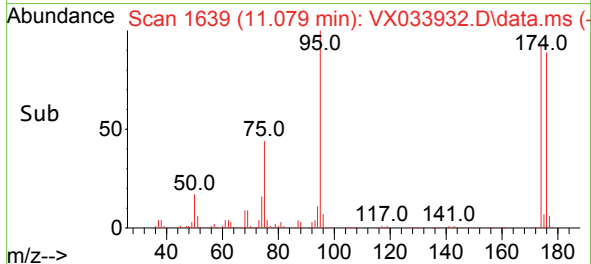
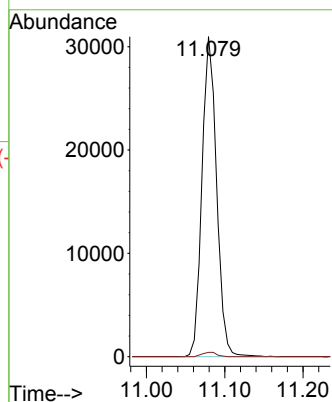
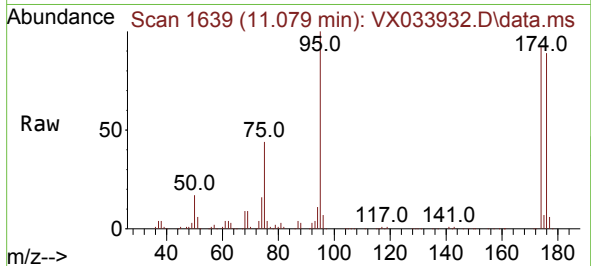




#76
1,2,3-Trichloropropane
Concen: 23.136 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

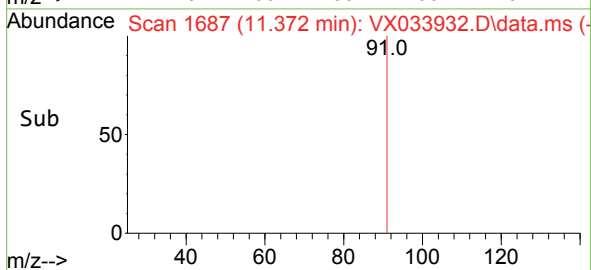
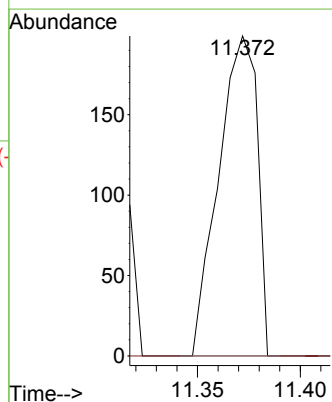
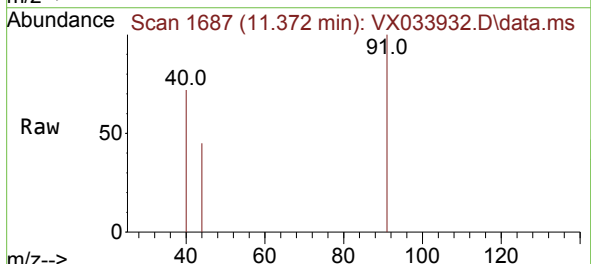
Instrument :
MSVOA_X
ClientSampleId :
N48965

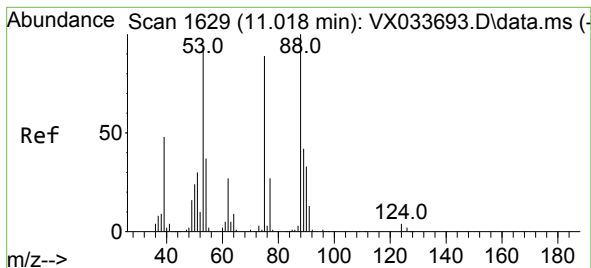
Tgt Ion: 75 Resp: 40106
Ion Ratio Lower Upper
75 100
77 1.4 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.372 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

Tgt Ion: 91 Resp: 261
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

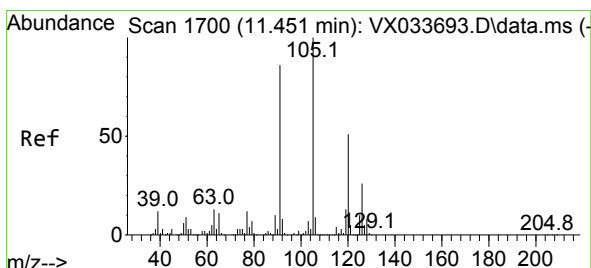
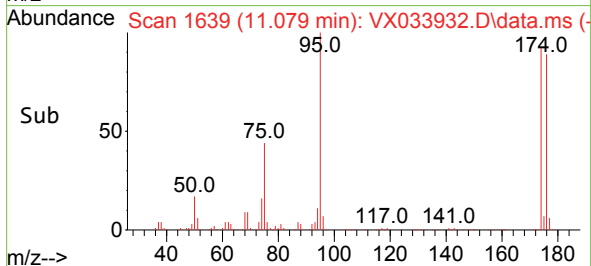
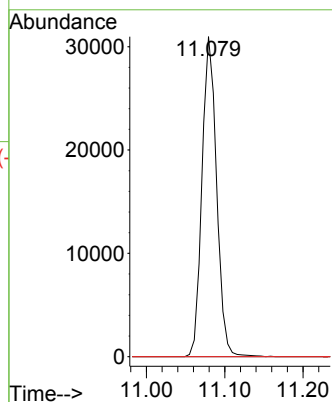
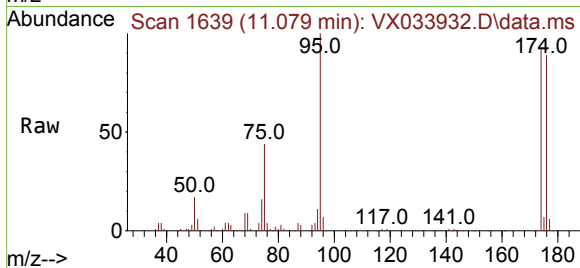




#81
trans-1,4-Dichloro-2-butene
Concen: 71.905 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

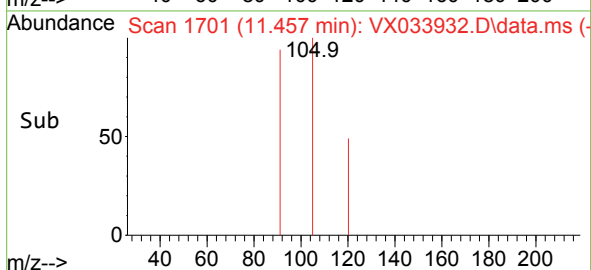
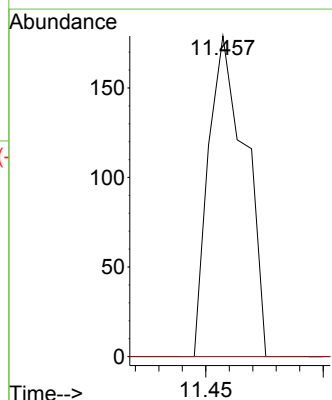
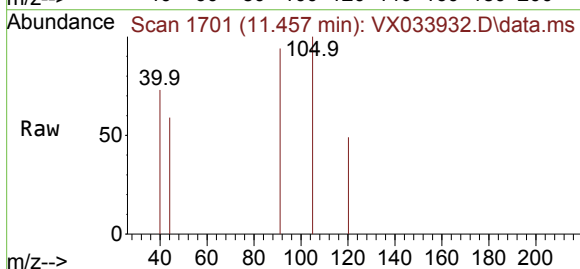
Instrument :
MSVOA_X
ClientSampleId :
N48965

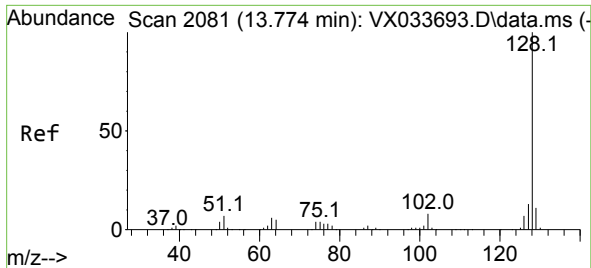
Tgt Ion: 75 Resp: 40106
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX033932.D
Acq: 27 Jan 2023 13:05

Tgt Ion: 91 Resp: 195
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#





#95

Naphthalene

Concen: 0.266 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX033932.D

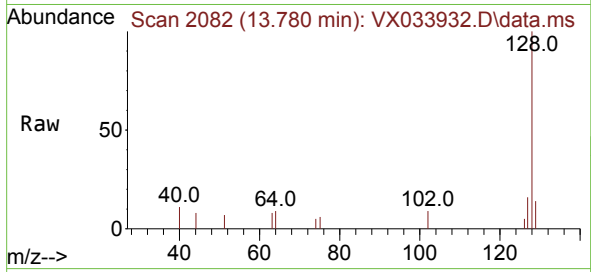
Acq: 27 Jan 2023 13:05

Instrument :

MSVOA_X

ClientSampleId :

N48965



Tgt Ion:128 Resp: 1586

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

129 10.2 8.7 13.1

