

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030945.D
 Acq On : 30 Aug 2022 17:45
 Operator : JC/MD
 Sample : N4378-01
 Misc : 5.21g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-082522

Quant Time: Sep 06 01:13:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

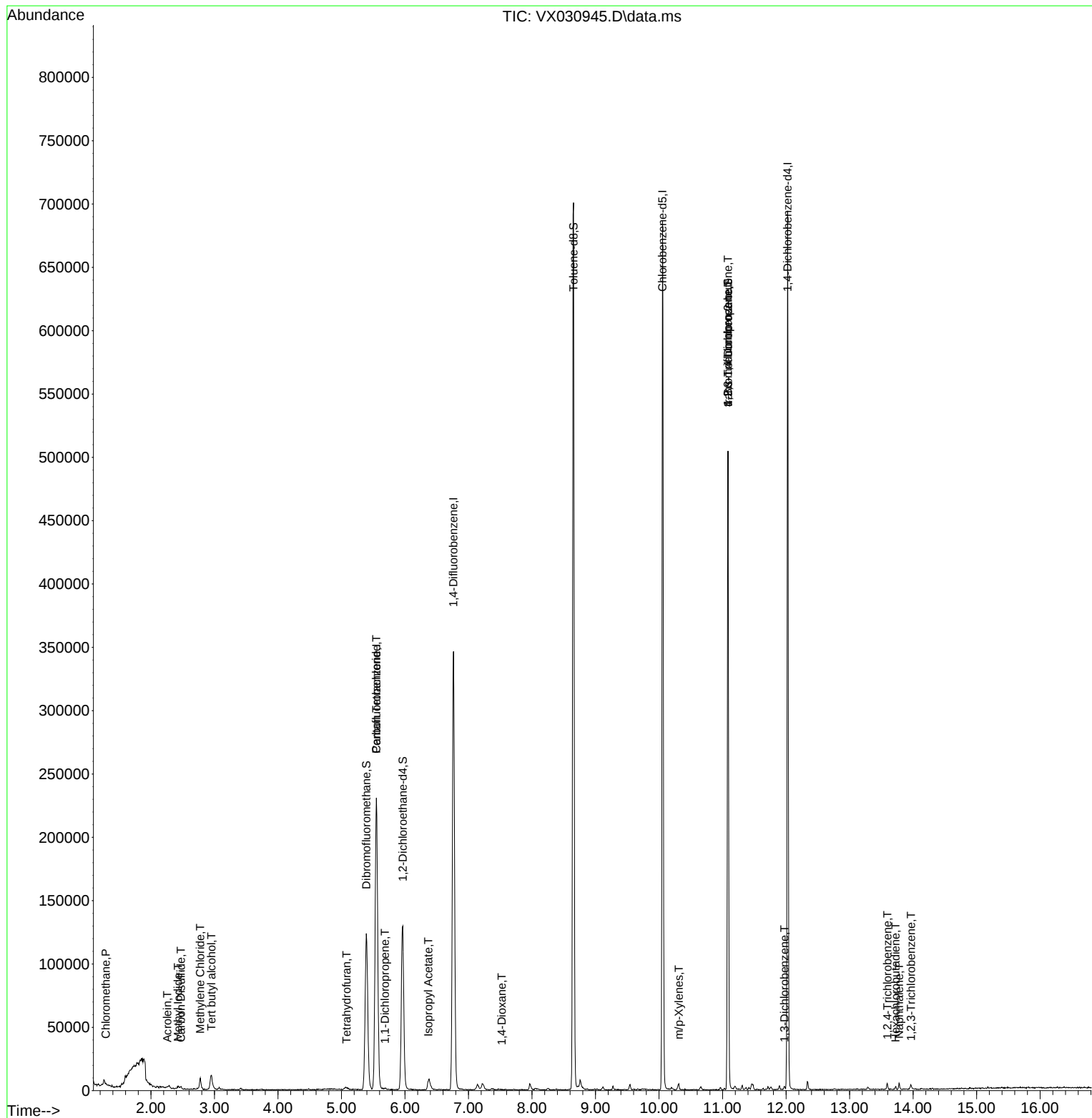
Internal Standards						
1) Pentafluorobenzene	5.550	168	225373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	376244	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	327076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	126444	39.117	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	78.240%		
35) Dibromofluoromethane	5.391	113	113379	40.880	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	81.760%		
50) Toluene-d8	8.653	98	448631	43.679	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.360%		
62) 4-Bromofluorobenzene	11.085	95	141148	38.590	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	77.180%#		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	614	0.256	ug/l #	69
5) Bromomethane	1.599	94	1119	Below Cal		81
10) Methyl Iodide	2.428	142	1894	5.047	ug/l #	92
11) Tert butyl alcohol	2.953	59	7412	9.678	ug/l #	74
13) Acrolein	2.258	56	90	7.499	ug/l #	51
17) Carbon Disulfide	2.471	76	2049	0.283	ug/l	97
20) Methylene Chloride	2.776	84	3971	1.197	ug/l #	82
29) Tetrahydrofuran	5.080	42	1614	1.056	ug/l #	57
36) 1,1-Dichloropropene	5.684	75	1127	0.273	ug/l #	44
38) Carbon Tetrachloride	5.550	117	22168	5.649	ug/l #	16
43) Isopropyl Acetate	6.367	43	4240	0.630	ug/l #	60
49) 1,4-Dioxane	7.525	88	21	0.237	ug/l #	1
68) m/p-Xylenes	10.311	106	1209	0.233	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	65869	18.435	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	65869	54.811	ug/l #	12
87) 1,3-Dichlorobenzene	11.975	146	1108	0.202	ug/l	94
93) 1,2,4-Trichlorobenzene	13.597	180	1530	0.430	ug/l	73
94) Hexachlorobutadiene	13.725	225	339	0.224	ug/l #	68
95) Naphthalene	13.780	128	3508	0.276	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.969	180	1384	0.385	ug/l	83

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

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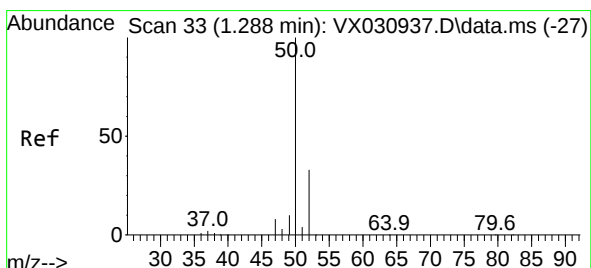
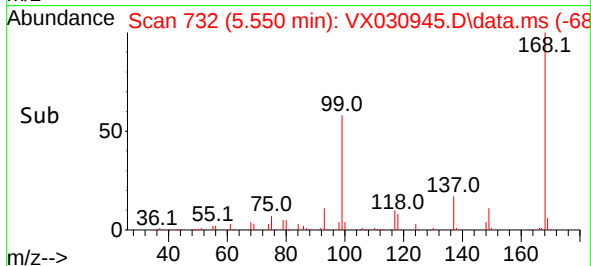
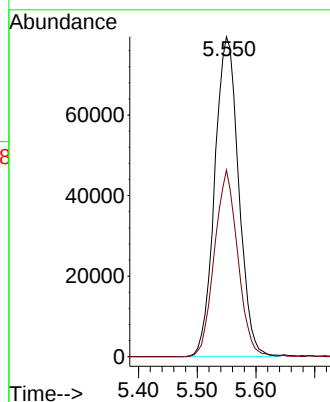
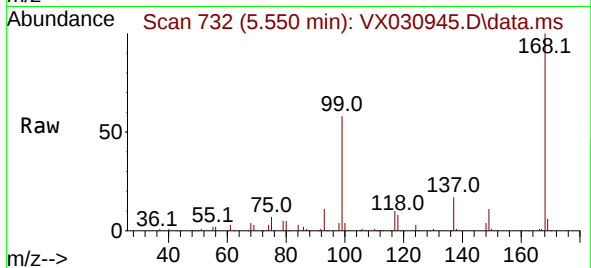




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

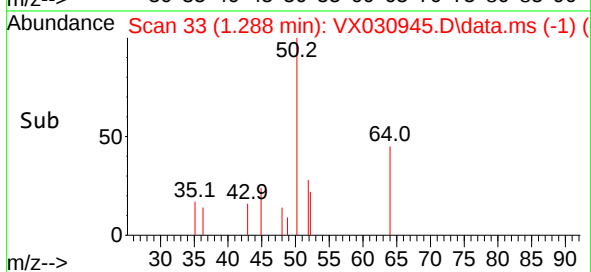
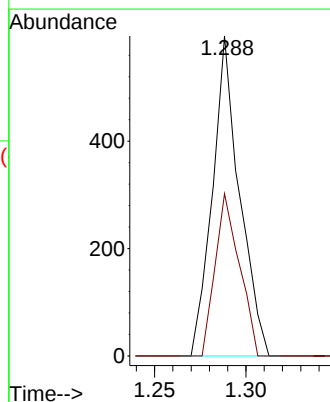
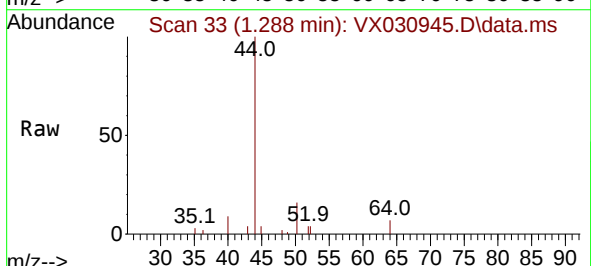
Instrument :
MSVOA_X
ClientSampleId :
CL-01-082522

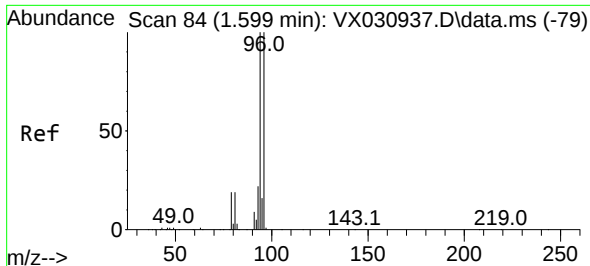
Tgt Ion:168 Resp: 225373
Ion Ratio Lower Upper
168 100
99 58.4 44.0 66.0



#3
Chloromethane
Concen: 0.256 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

Tgt Ion: 50 Resp: 614
Ion Ratio Lower Upper
50 100
52 50.7 26.3 39.5#

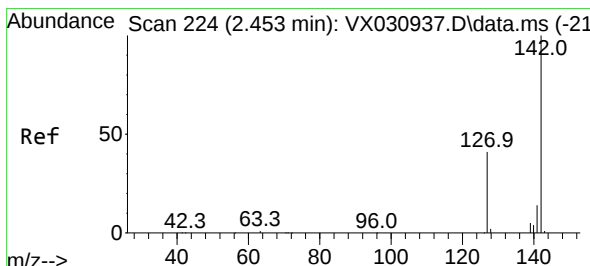
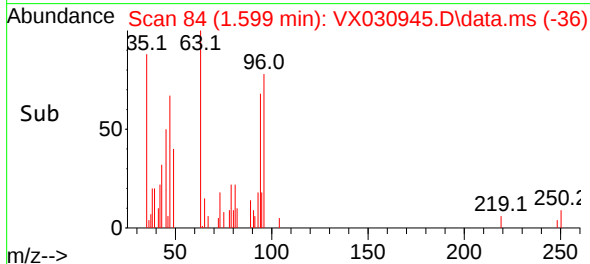
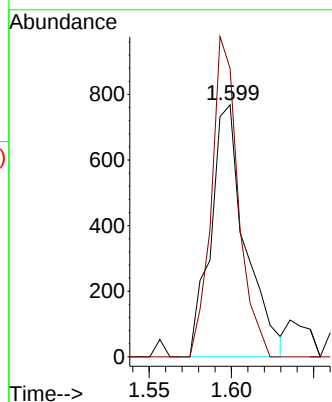
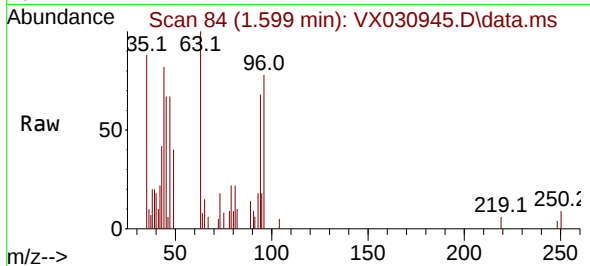




#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

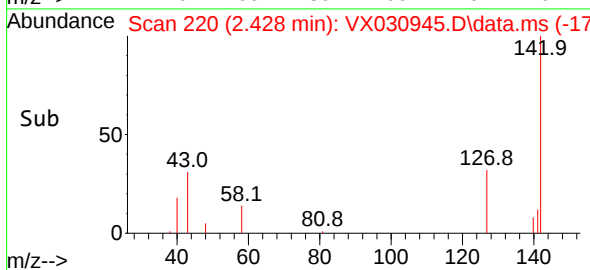
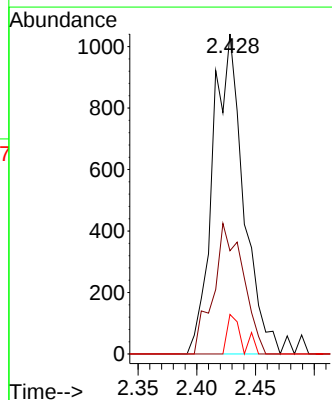
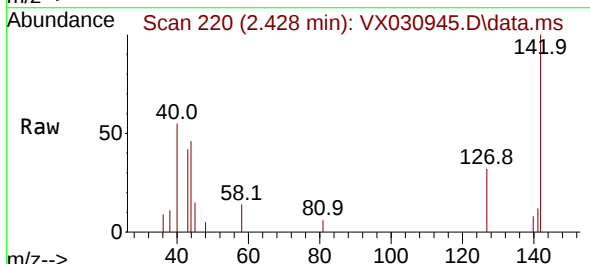
Instrument :
MSVOA_X
ClientSampleId :
CL-01-082522

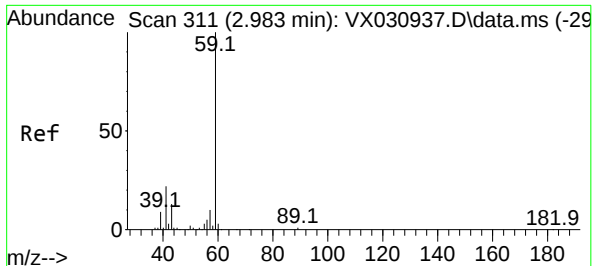
Tgt Ion: 94 Resp: 1119
Ion Ratio Lower Upper
94 100
96 114.5 76.9 115.3



#10
Methyl Iodide
Concen: 5.047 ug/l
RT: 2.428 min Scan# 220
Delta R.T. -0.025 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

Tgt Ion: 142 Resp: 1894
Ion Ratio Lower Upper
142 100
127 39.5 30.2 45.2
141 5.9 11.3 16.9





#11

Tert butyl alcohol

Concen: 9.678 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.036 min

Lab File: VX030945.D

Acq: 30 Aug 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

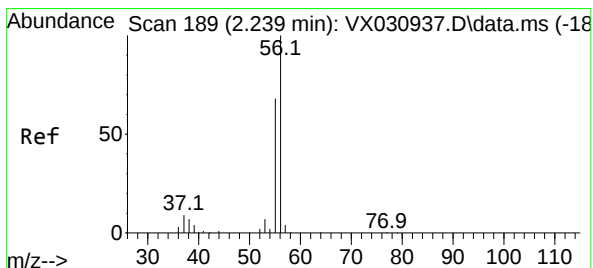
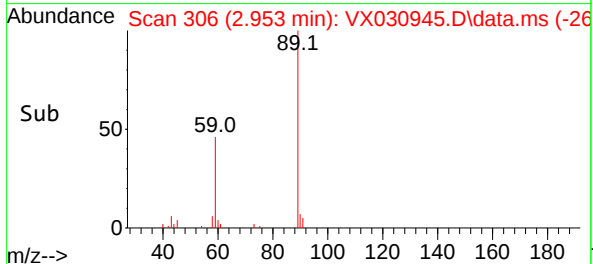
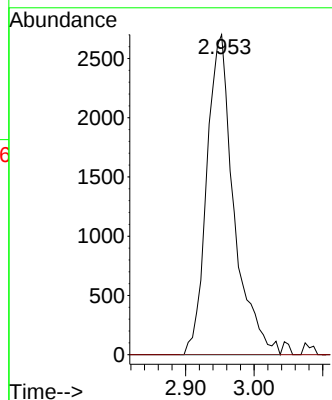
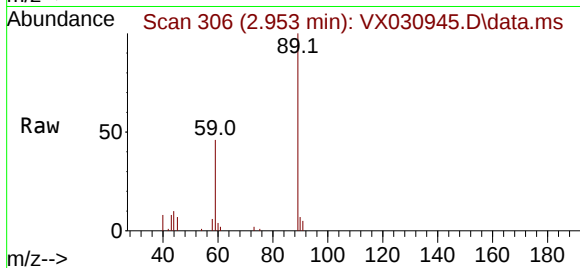
CL-01-082522

Tgt Ion: 59 Resp: 7412

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 7.499 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.019 min

Lab File: VX030945.D

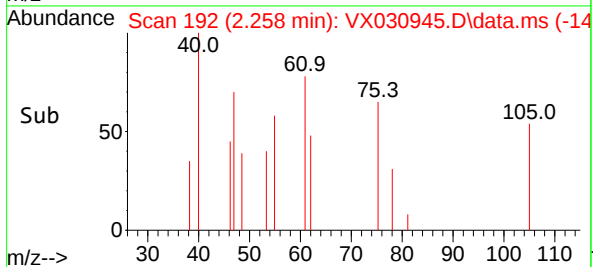
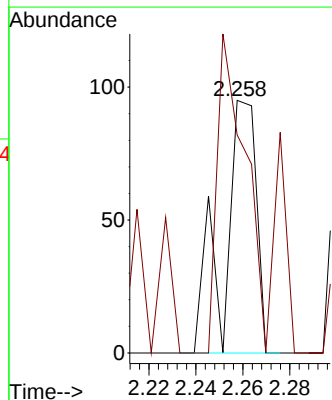
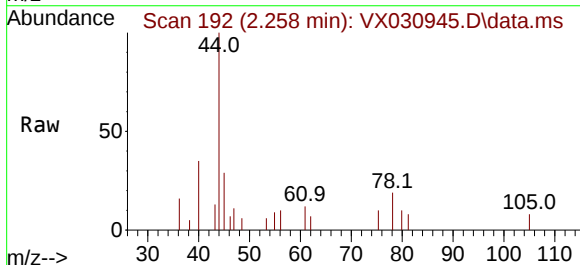
Acq: 30 Aug 2022 17:45

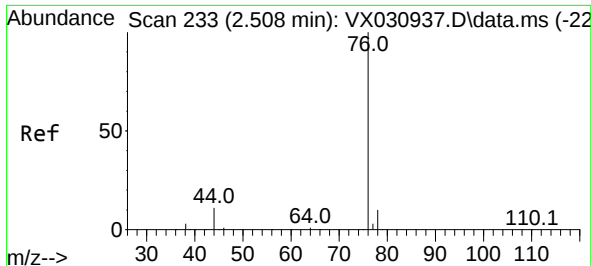
Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 111.1 56.6 84.8#





#17

Carbon Disulfide

Concen: 0.283 ug/l

RT: 2.471 min Scan# 21

Delta R.T. -0.043 min

Lab File: VX030945.D

Acq: 30 Aug 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

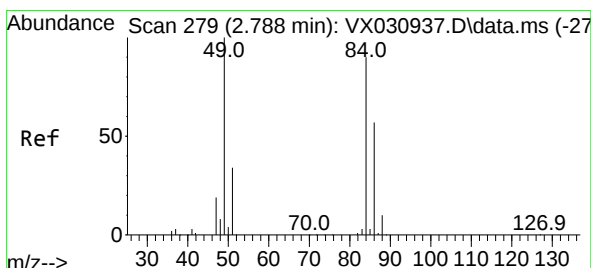
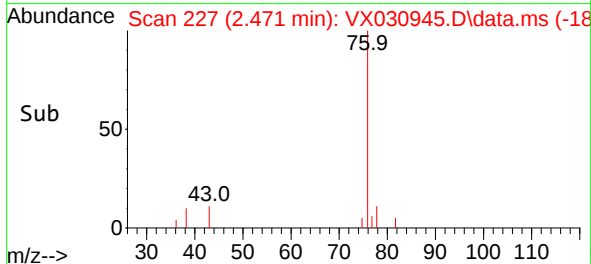
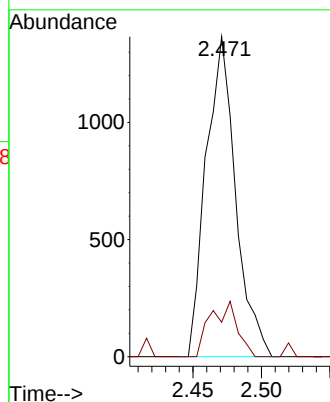
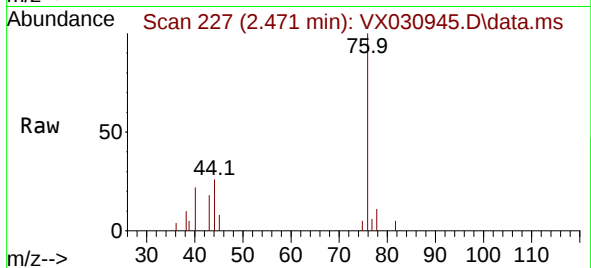
CL-01-082522

Tgt Ion: 76 Resp: 2049

Ion Ratio Lower Upper

76 100

78 10.8 7.8 11.6



#20

Methylene Chloride

Concen: 1.197 ug/l

RT: 2.776 min Scan# 277

Delta R.T. -0.012 min

Lab File: VX030945.D

Acq: 30 Aug 2022 17:45

Tgt Ion: 84 Resp: 3971

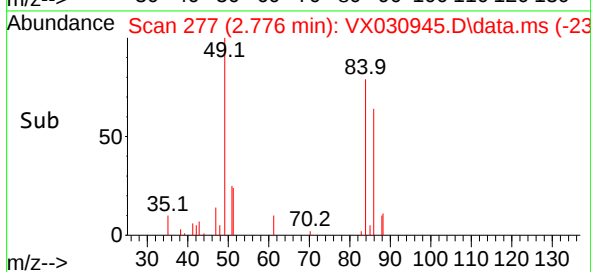
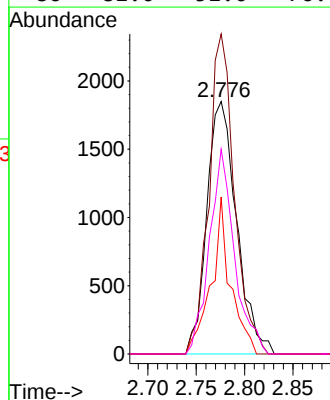
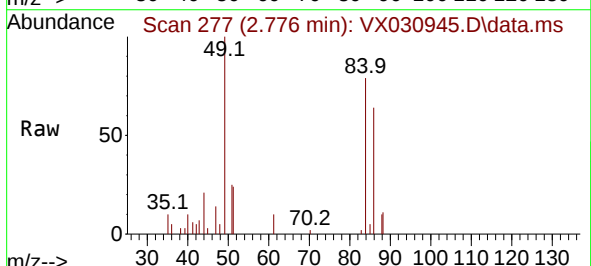
Ion Ratio Lower Upper

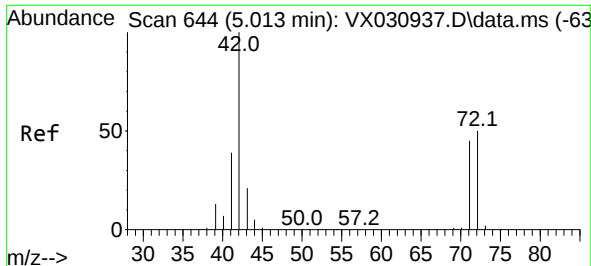
84 100

49 126.7 93.8 140.6

51 62.2 29.4 44.0#

86 81.0 51.0 76.4#





#29

Tetrahydrofuran

Concen: 1.056 ug/l

RT: 5.080 min Scan# 61

Delta R.T. 0.067 min

Lab File: VX030945.D

Acq: 30 Aug 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

CL-01-082522

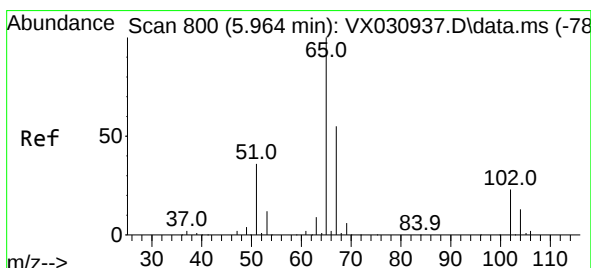
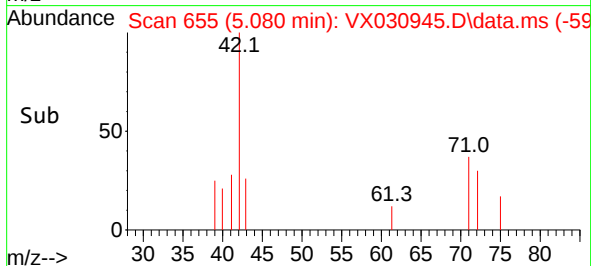
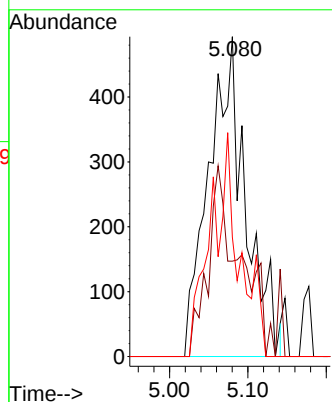
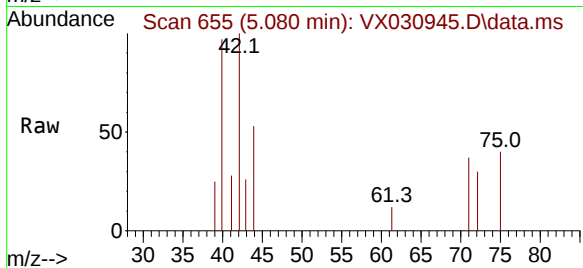
Tgt Ion: 42 Resp: 1614

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 32.7 33.9 50.9#



#33

1,2-Dichloroethane-d4

Concen: 39.117 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030945.D

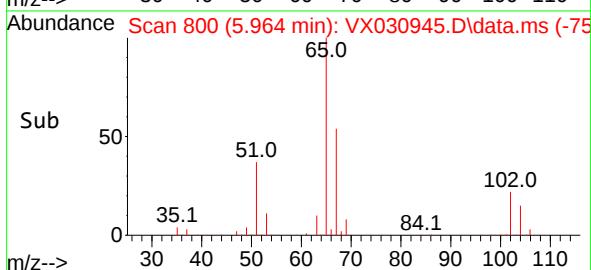
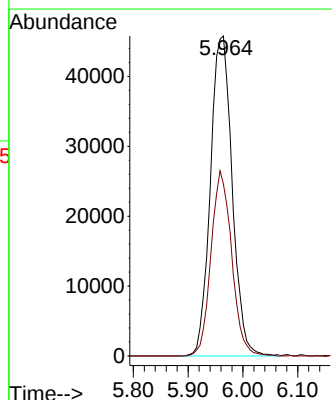
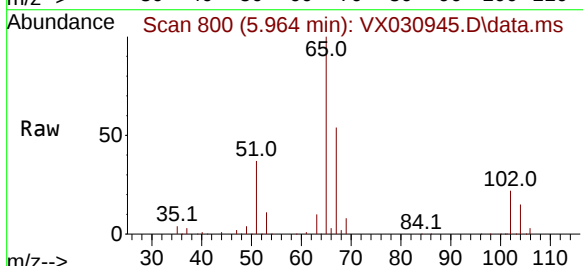
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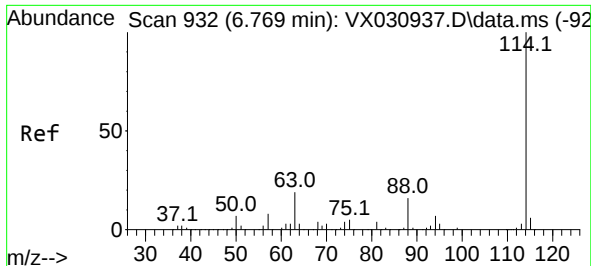
Tgt Ion: 65 Resp: 126444

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.6

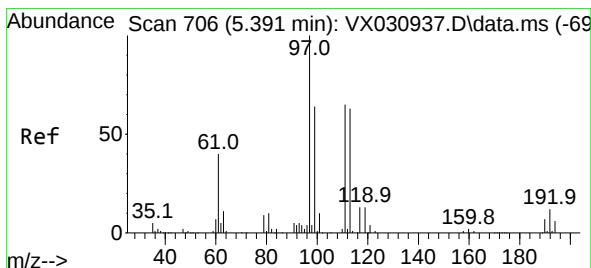
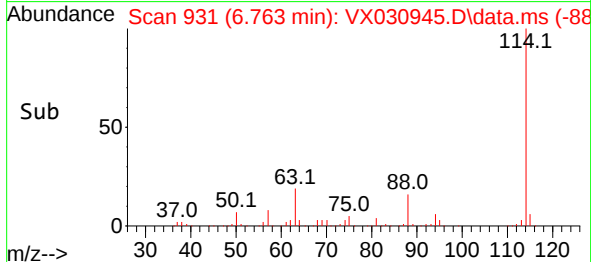
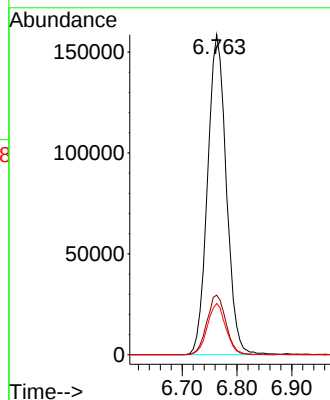
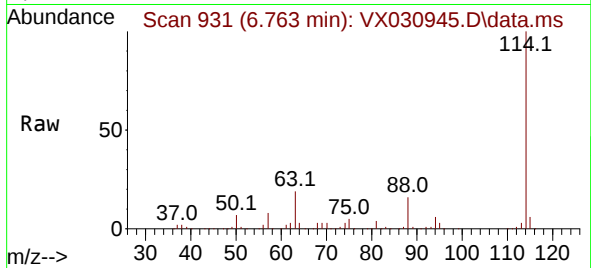




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX030945.D
 Acq: 30 Aug 2022 17:45

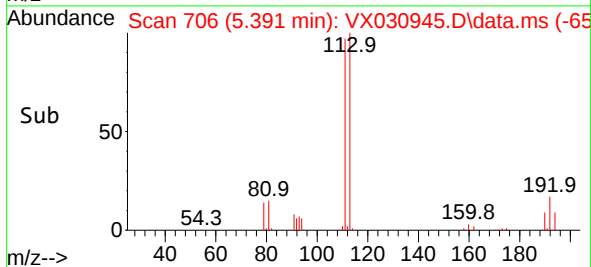
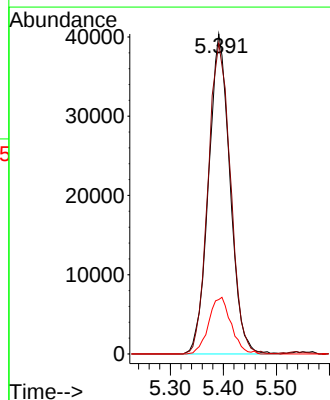
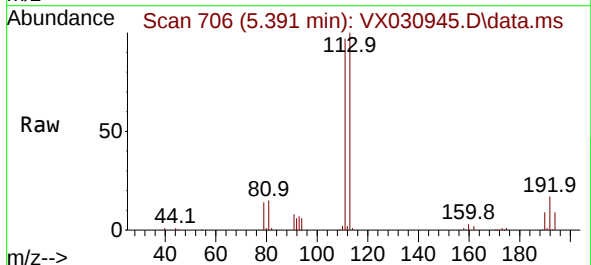
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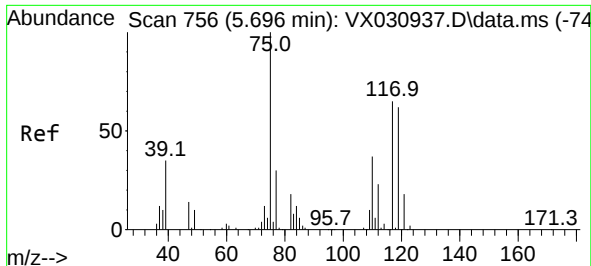
Tgt Ion:114 Resp: 376244
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.4
 88 16.0 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 40.880 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.000 min
 Lab File: VX030945.D
 Acq: 30 Aug 2022 17:45

Tgt Ion:113 Resp: 113379
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.2 124.8
 192 18.5 14.8 22.2

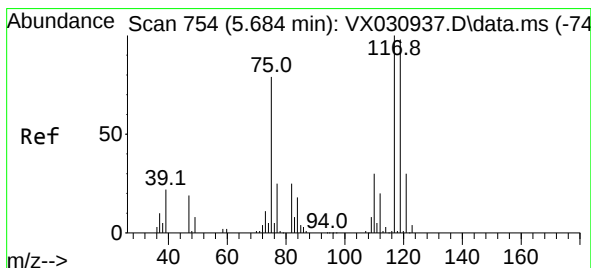
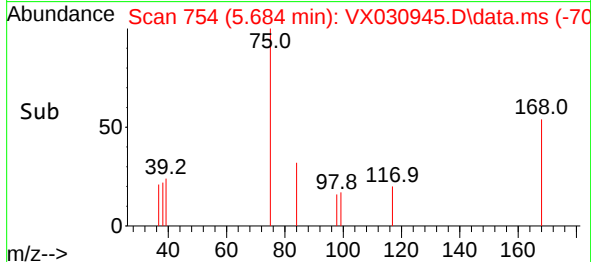
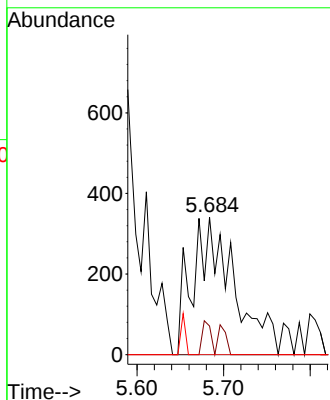
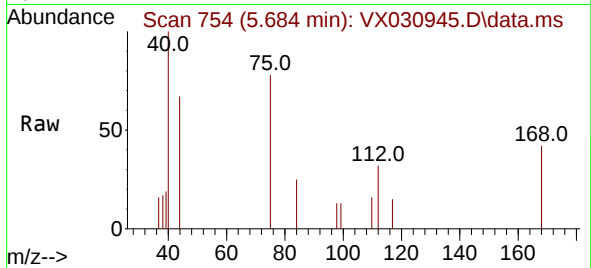




#36
1,1-Dichloropropene
Concen: 0.273 ug/l
RT: 5.684 min Scan# 712
Delta R.T. -0.012 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

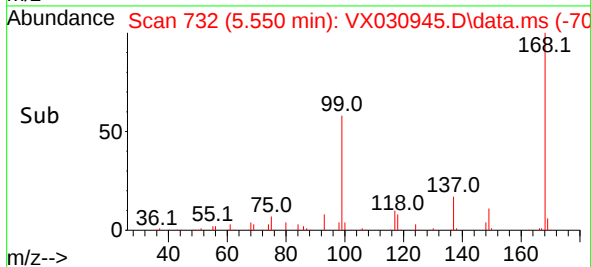
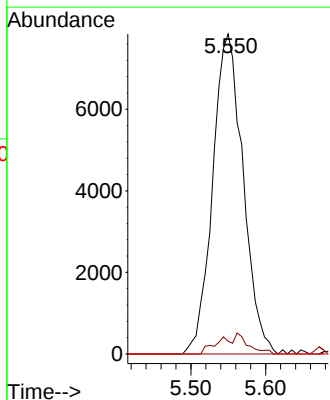
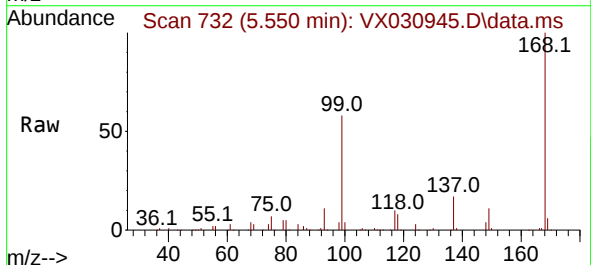
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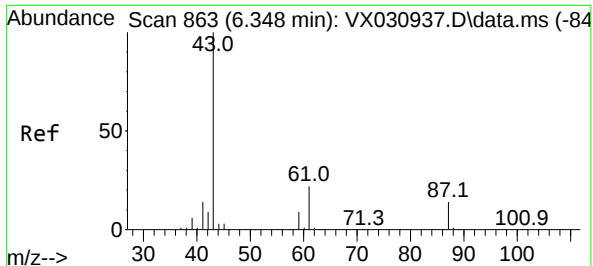
Tgt Ion: 75 Resp: 1127
Ion Ratio Lower Upper
75 100
110 5.1 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.649 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

Tgt Ion: 117 Resp: 22168
Ion Ratio Lower Upper
117 100
119 4.0 74.1 111.1#
121 0.0 25.8 38.8#

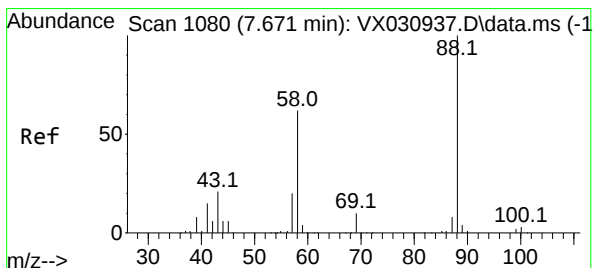
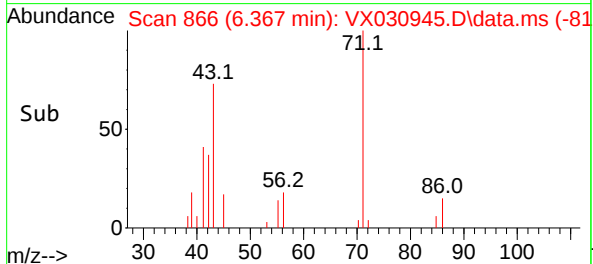
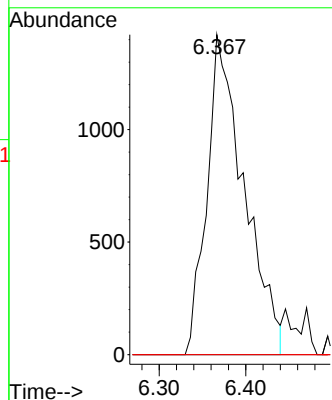
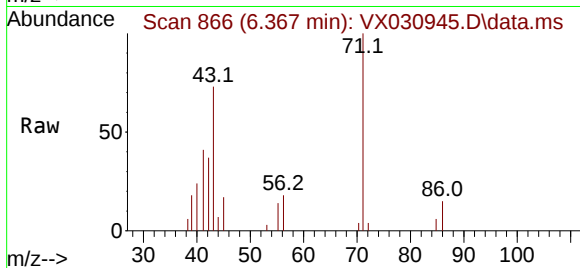




#43
Isopropyl Acetate
Concen: 0.630 ug/l
RT: 6.367 min Scan# 80
Delta R.T. 0.019 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

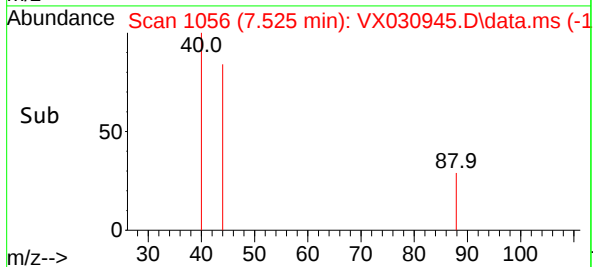
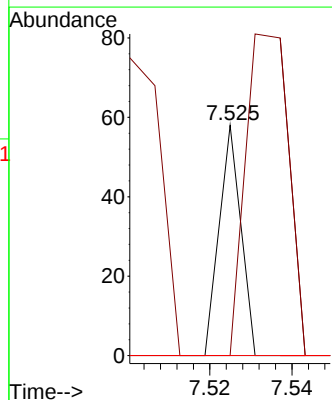
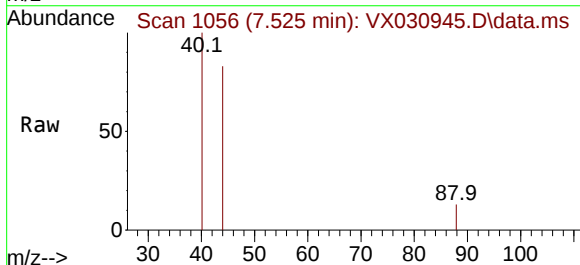
Instrument :
MSVOA_X
ClientSampleId :
CL-01-082522

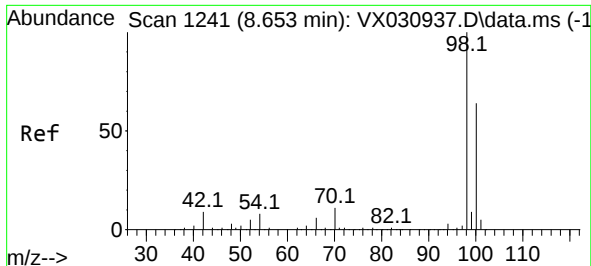
Tgt Ion: 43 Resp: 4240
Ion Ratio Lower Upper
43 100
61 0.0 16.5 24.7#
87 0.0 11.1 16.7#



#49
1,4-Dioxane
Concen: 0.237 ug/l
RT: 7.525 min Scan# 1056
Delta R.T. -0.152 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 281.0 23.8 35.8#
58 0.0 53.8 80.6#

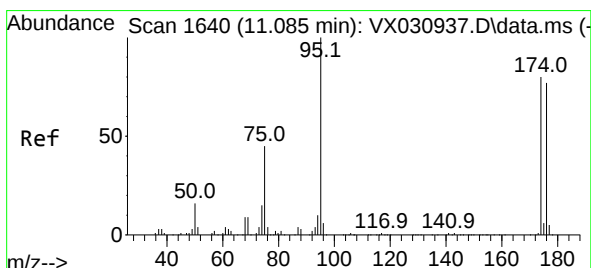
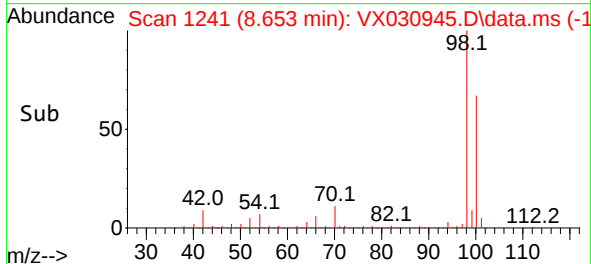
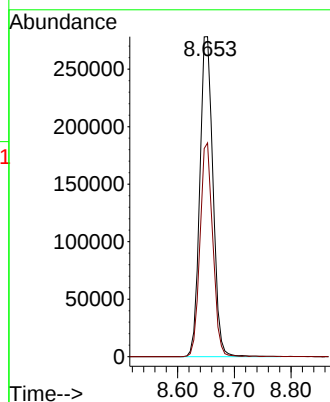
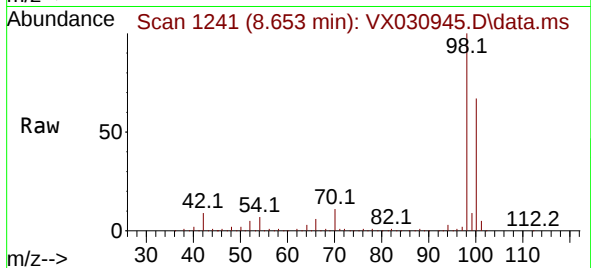




#50
Toluene-d8
Concen: 43.679 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

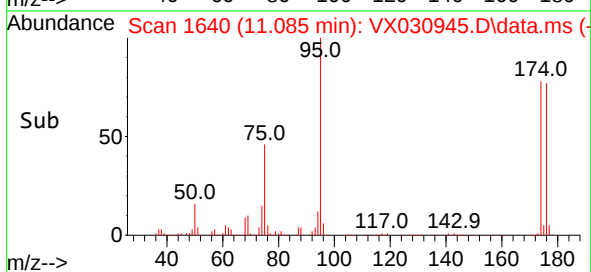
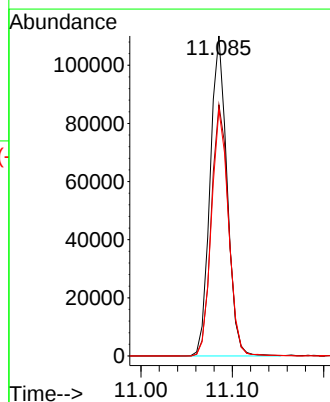
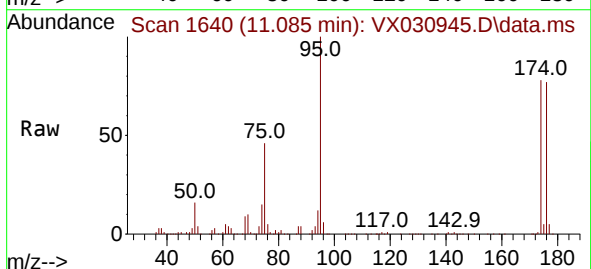
Instrument :
MSVOA_X
ClientSampleId :
CL-01-082522

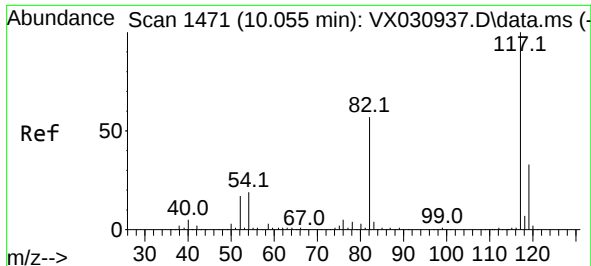
Tgt Ion: 98 Resp: 448631
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 38.590 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

Tgt Ion: 95 Resp: 141148
Ion Ratio Lower Upper
95 100
174 79.8 0.0 149.0
176 77.6 0.0 146.0

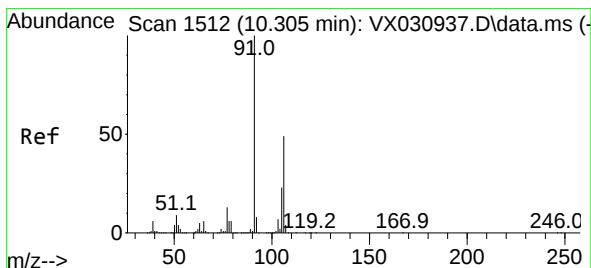
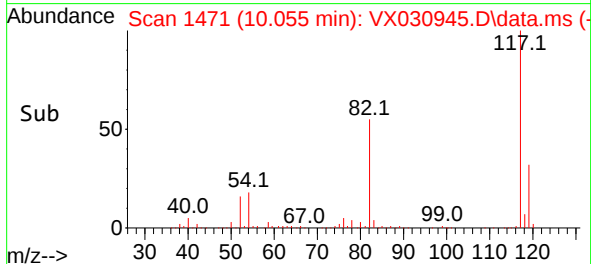
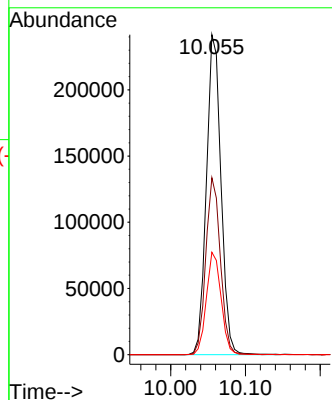
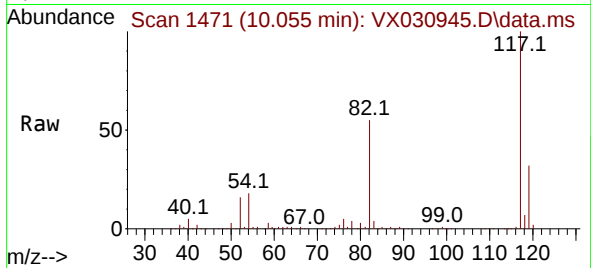




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

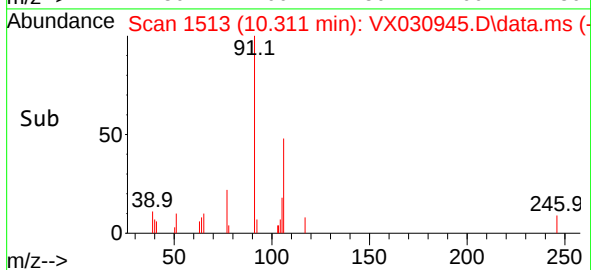
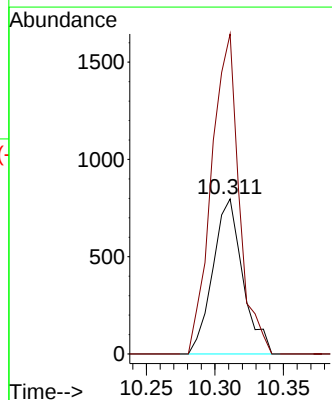
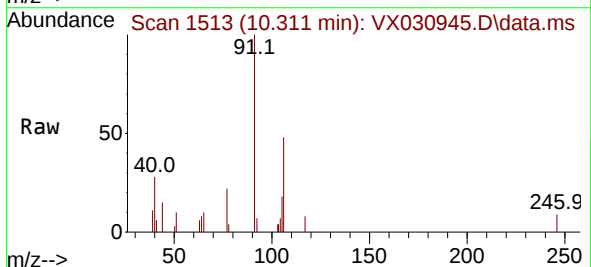
Instrument :
MSVOA_X
ClientSampleId :
CL-01-082522

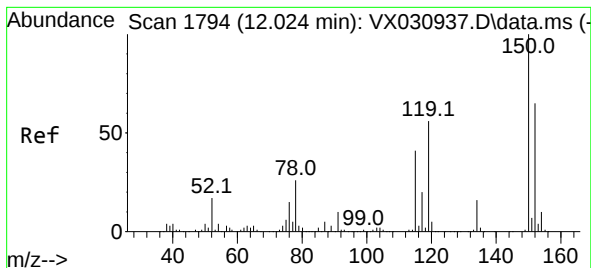
Tgt Ion:117 Resp: 327076
Ion Ratio Lower Upper
117 100
82 55.3 42.7 64.1
119 32.0 25.4 38.2



#68
m/p-Xylenes
Concen: 0.233 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

Tgt Ion:106 Resp: 1209
Ion Ratio Lower Upper
106 100
91 190.7 158.2 237.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030945.D

Acq: 30 Aug 2022 17:45

Instrument :

MSVOA_X

ClientSampleId :

CL-01-082522

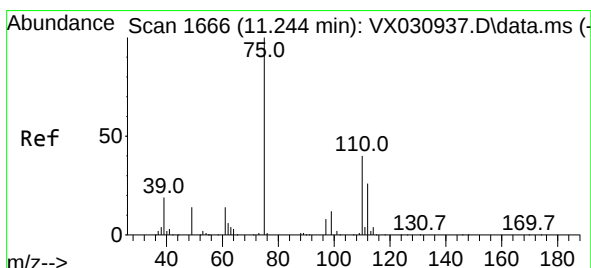
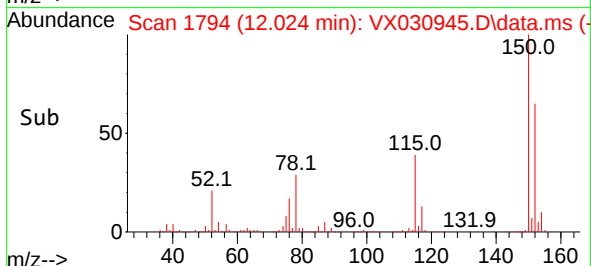
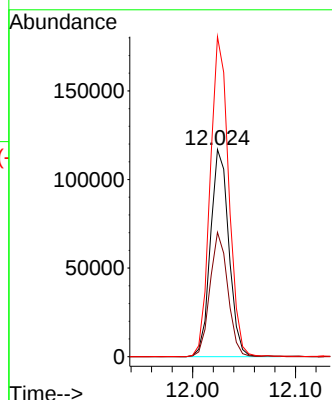
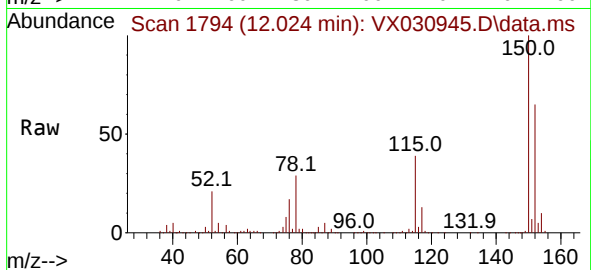
Tgt Ion:152 Resp: 145132

Ion Ratio Lower Upper

152 100

115 58.4 40.5 121.5

150 155.8 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 18.435 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX030945.D

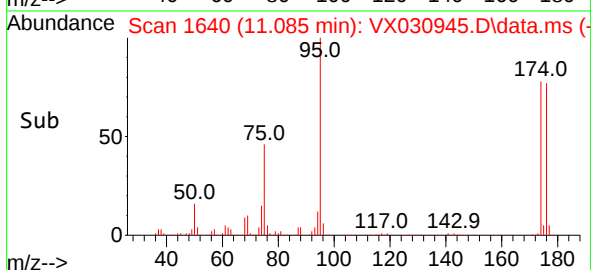
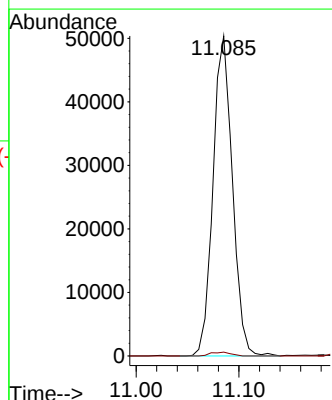
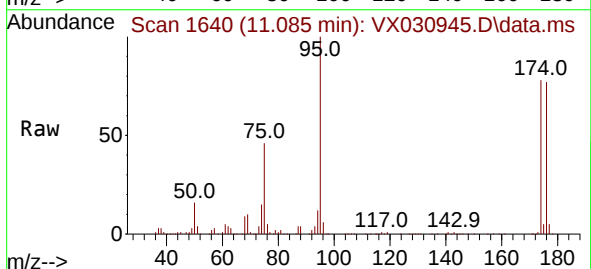
Acq: 30 Aug 2022 17:45

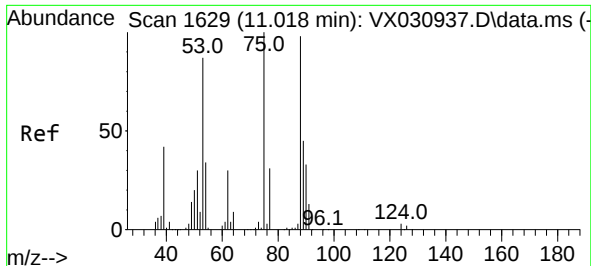
Tgt Ion: 75 Resp: 65869

Ion Ratio Lower Upper

75 100

77 1.2 19.8 59.3#

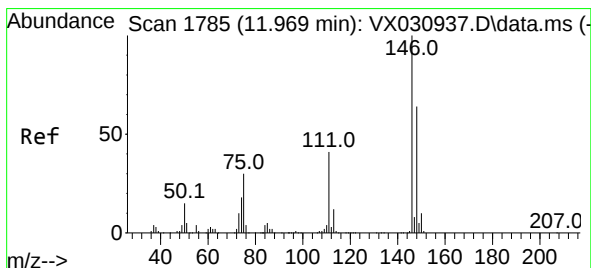
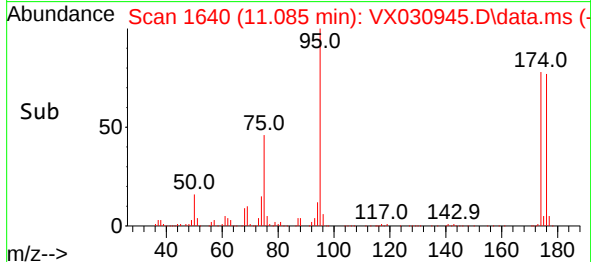
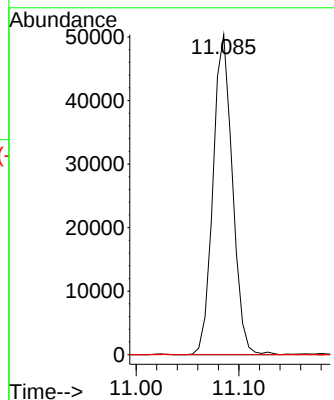
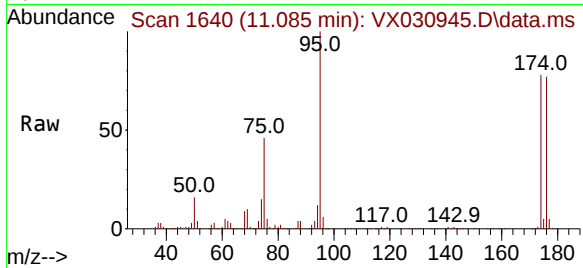




#81
trans-1,4-Dichloro-2-butene
Concen: 54.811 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

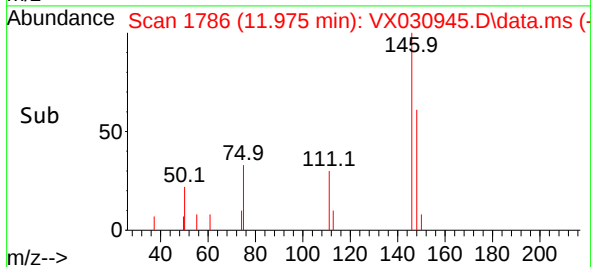
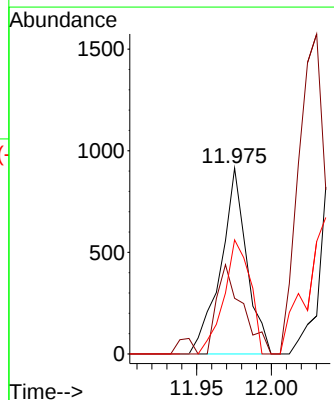
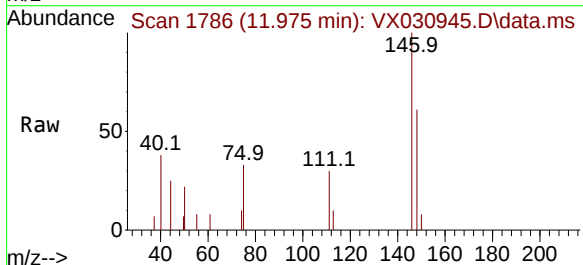
Instrument :
MSVOA_X
ClientSampleId :
CL-01-082522

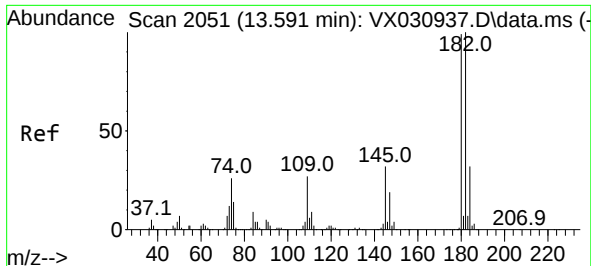
Tgt Ion: 75 Resp: 65869
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#87
1,3-Dichlorobenzene
Concen: 0.202 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

Tgt Ion:146 Resp: 1108
Ion Ratio Lower Upper
146 100
111 47.5 20.3 60.8
148 61.8 31.8 95.3

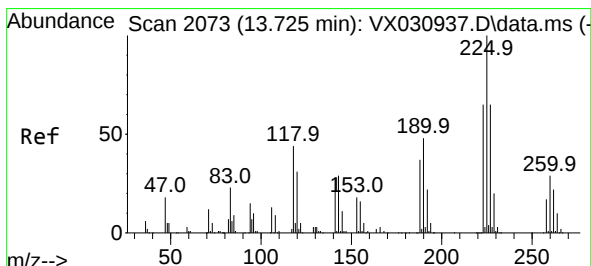
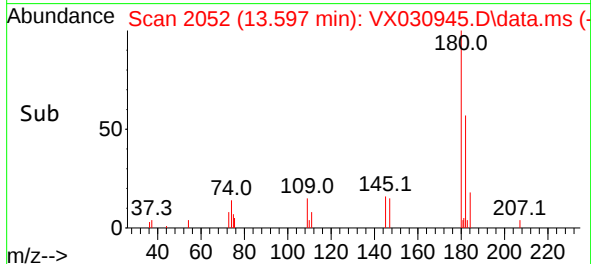
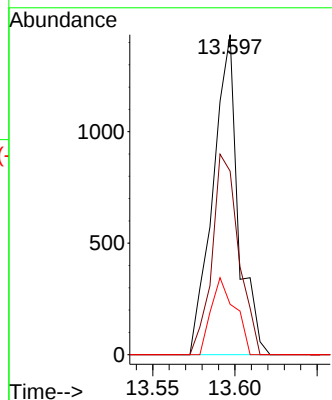
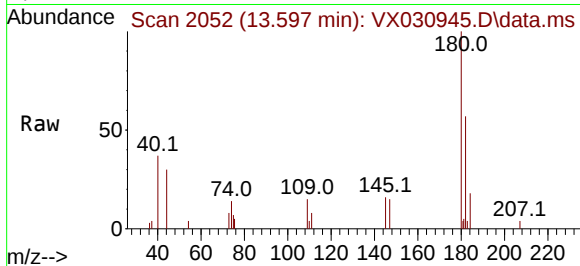




#93
1,2,4-Trichlorobenzene
Concen: 0.430 ug/l
RT: 13.597 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

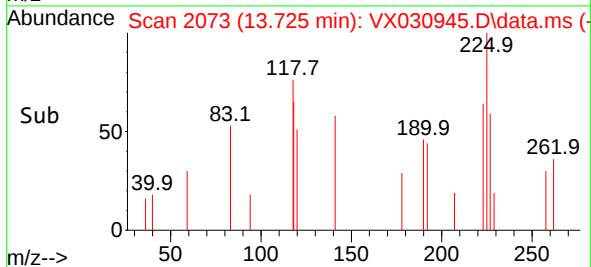
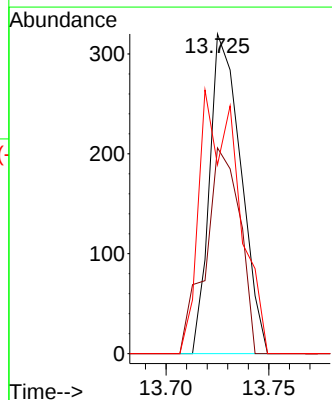
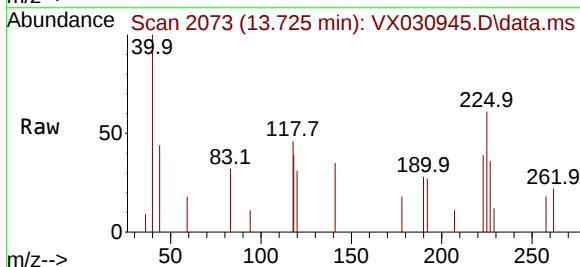
Instrument :
MSVOA_X
ClientSampleId :
CL-01-082522

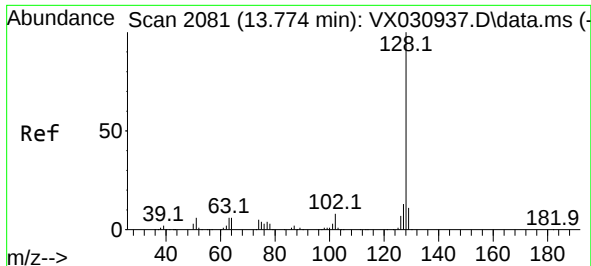
Tgt Ion:180 Resp: 1530
Ion Ratio Lower Upper
180 100
182 65.9 48.2 144.6
145 22.9 15.9 47.6



#94
Hexachlorobutadiene
Concen: 0.224 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

Tgt Ion:225 Resp: 339
Ion Ratio Lower Upper
225 100
223 71.1 30.6 91.6
227 102.4 31.9 95.9#

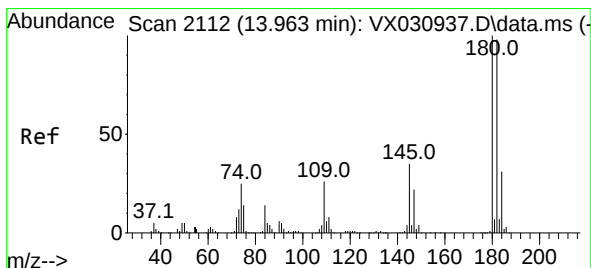
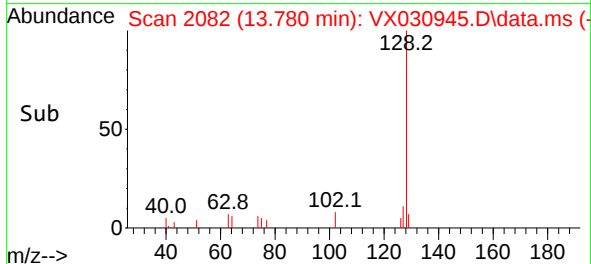
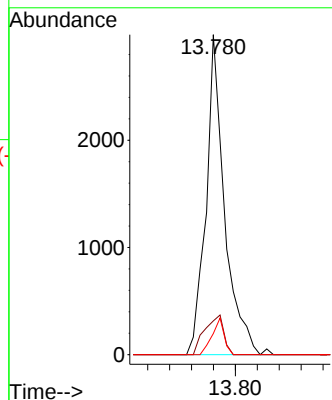
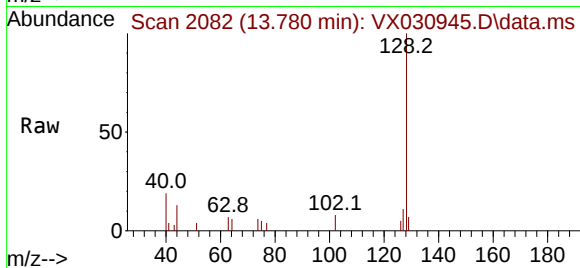




#95
Naphthalene
Concen: 0.276 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

Instrument :
MSVOA_X
ClientSampleId :
CL-01-082522

Tgt Ion:128 Resp: 3508
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 7.4 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.385 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX030945.D
Acq: 30 Aug 2022 17:45

Tgt Ion:180 Resp: 1384
Ion Ratio Lower Upper
180 100
182 73.0 47.0 141.0
145 32.4 17.0 50.9

