

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071422\
 Data File : VX030069.D
 Acq On : 14 Jul 2022 18:31
 Operator : JC/MD
 Sample : N3695-06DL 500X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPC-01E-84DL

Quant Time: Jul 15 04:19:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

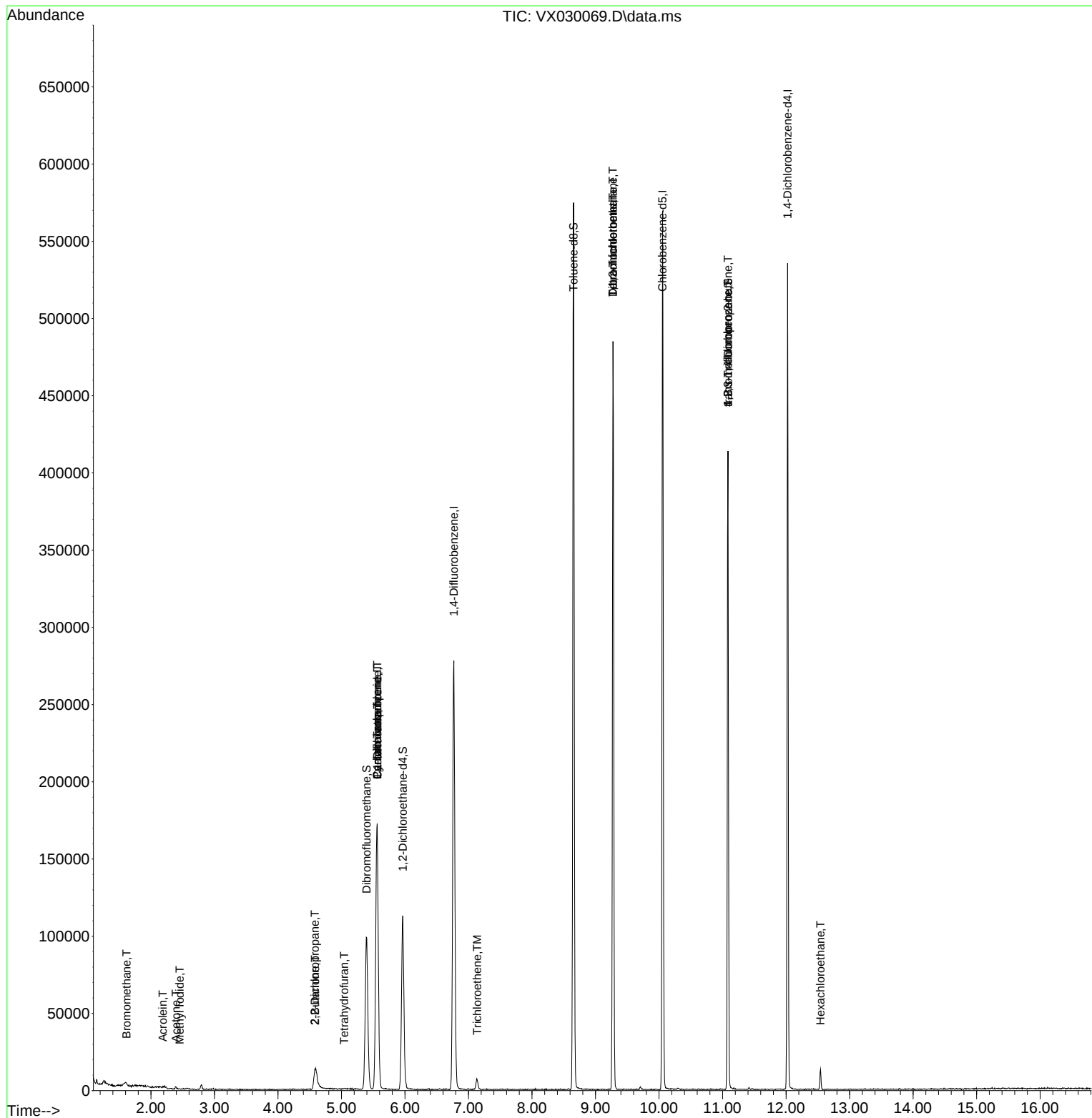
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	168759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	296871	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	260356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96417	46.939	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.880%
35) Dibromofluoromethane	5.397	113	88250	46.533	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.060%
50) Toluene-d8	8.653	98	336894	47.232	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.460%
62) 4-Bromofluorobenzene	11.085	95	111951	45.228	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	30	Below Cal	#	42
5) Bromomethane	1.617	94	267	0.322	ug/l #	76
10) Methyl Iodide	2.452	142	358	2.609	ug/l #	71
13) Acrolein	2.184	56	35	0.331	ug/l #	14
16) Acetone	2.392	43	1302	1.345	ug/l	99
17) Carbon Disulfide	2.513	76	442	Below Cal	#	74
20) Methylene Chloride	2.788	84	1265	Below Cal	#	86
25) 2-Butanone	4.586	43	1051	0.637	ug/l #	85
26) 2,2-Dichloropropane	4.580	77	1332	0.582	ug/l #	49
29) Tetrahydrofuran	5.043	42	502	0.449	ug/l #	42
31) Cyclohexane	5.562	56	3551	1.193	ug/l #	27
36) 1,1-Dichloropropene	5.562	75	13139	5.364	ug/l #	40
38) Carbon Tetrachloride	5.562	117	15785	6.910	ug/l #	19
44) Trichloroethene	7.135	130	2678	1.189	ug/l	85
55) 1,1,2-Trichloroethane	9.274	97	876	0.434	ug/l #	1
60) Dibromochloromethane	9.274	129	87630	44.549	ug/l #	11
64) Tetrachloroethene	9.274	164	89252	42.705	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	52068	20.815	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	52068	60.071	ug/l #	13
90) Hexachloroethane	12.542	117	1657	1.493	ug/l	100

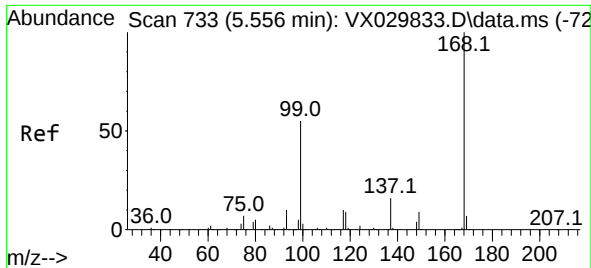
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 13 09:05:23 2022
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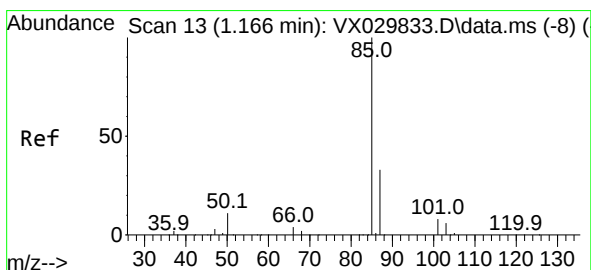
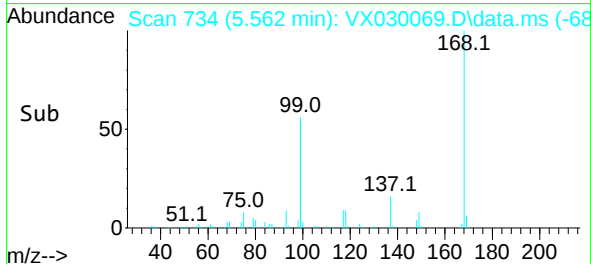
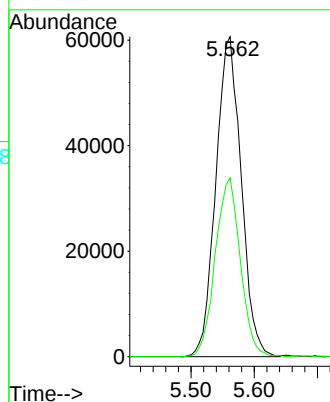
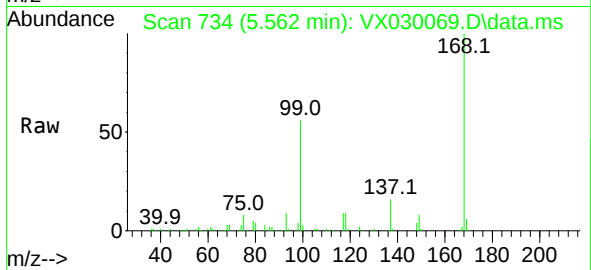




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

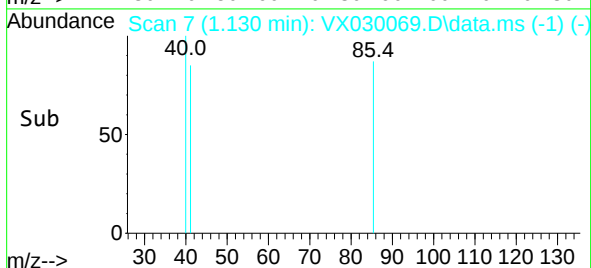
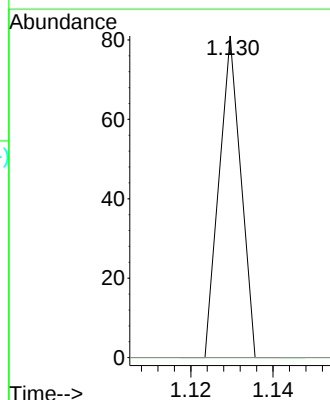
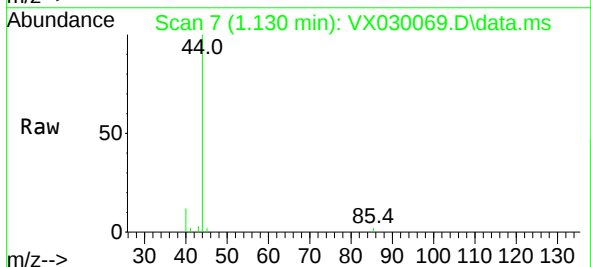
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84DL

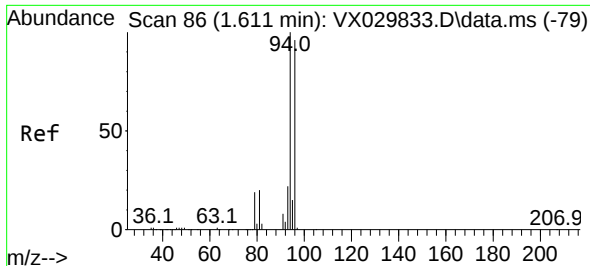
Tgt Ion:168 Resp: 168759
Ion Ratio Lower Upper
168 100
99 55.9 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.130 min Scan# 7
Delta R.T. -0.036 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Tgt Ion: 85 Resp: 30
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#

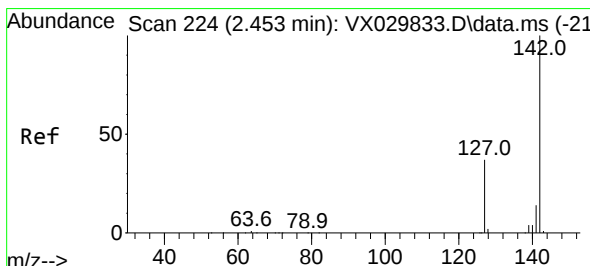
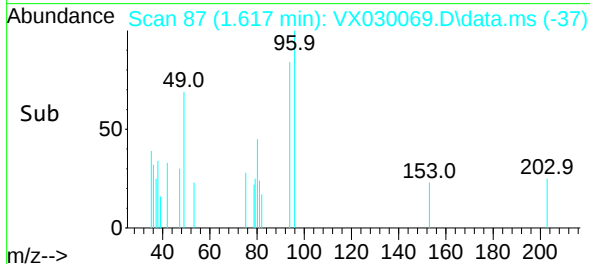
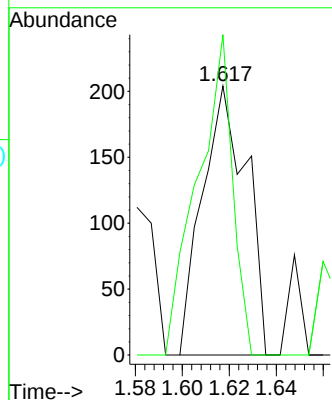
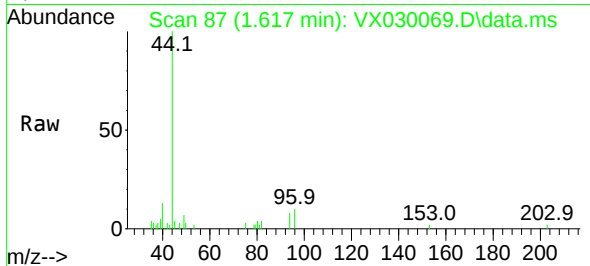




#5
Bromomethane
Concen: 0.322 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

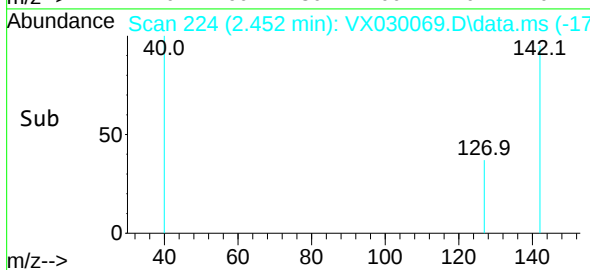
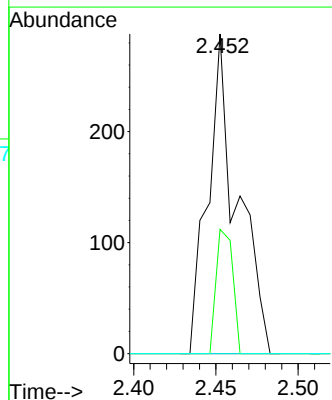
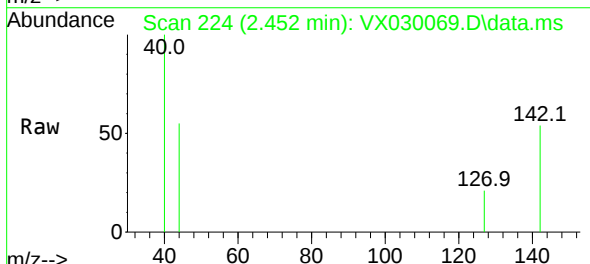
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84DL

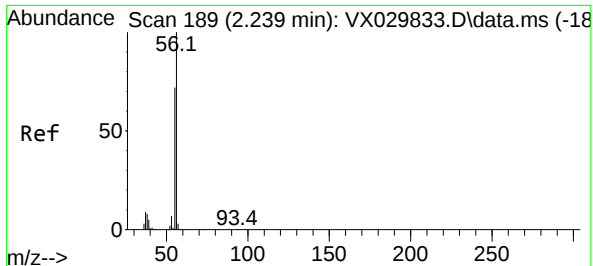
Tgt Ion: 94 Resp: 267
Ion Ratio Lower Upper
94 100
96 119.1 76.9 115.3#



#10
Methyl Iodide
Concen: 2.609 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.001 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

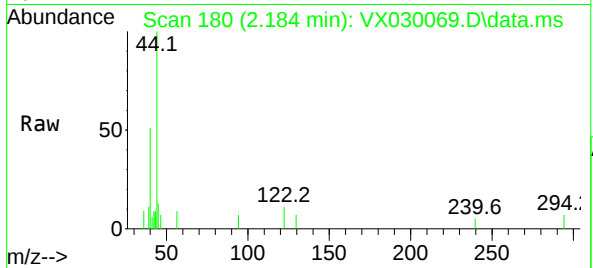
Tgt Ion: 142 Resp: 358
Ion Ratio Lower Upper
142 100
127 21.8 30.2 45.2#
141 0.0 11.3 16.9#



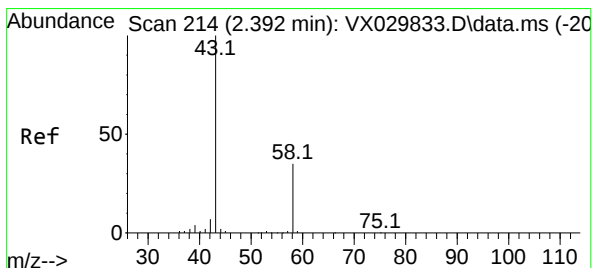
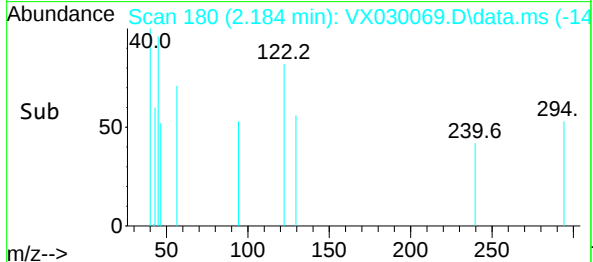
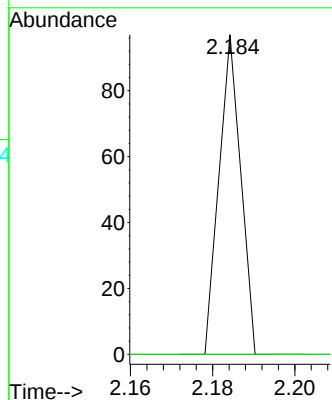


#13
Acrolein
Concen: 0.331 ug/l
RT: 2.184 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84DL

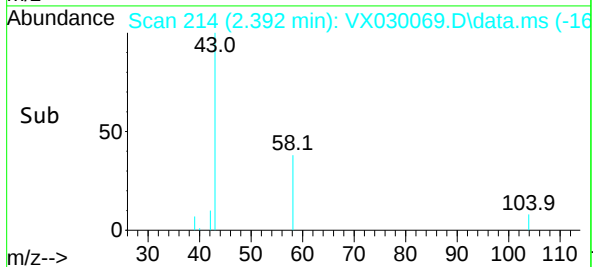
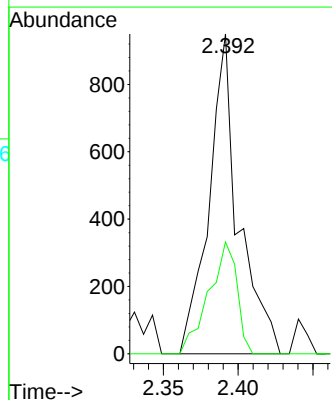
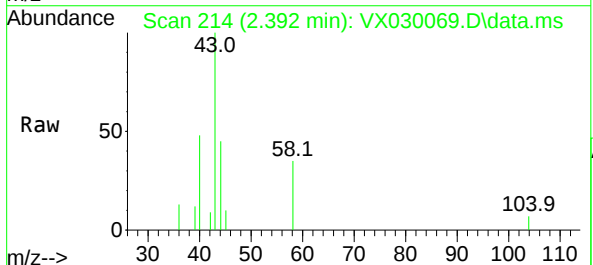


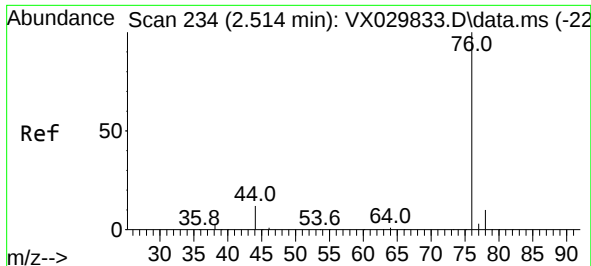
Tgt Ion: 56 Resp: 35
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 1.345 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Tgt Ion: 43 Resp: 1302
Ion Ratio Lower Upper
43 100
58 34.9 27.7 41.5

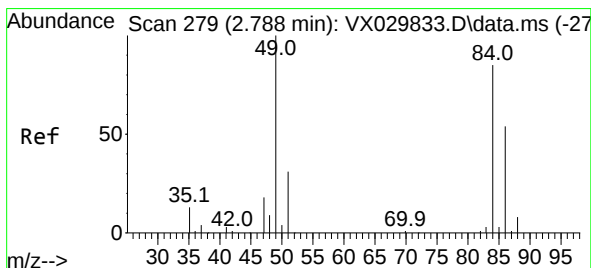
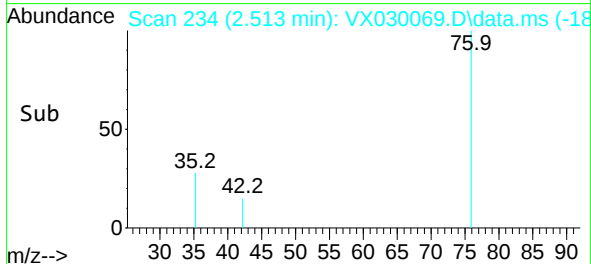
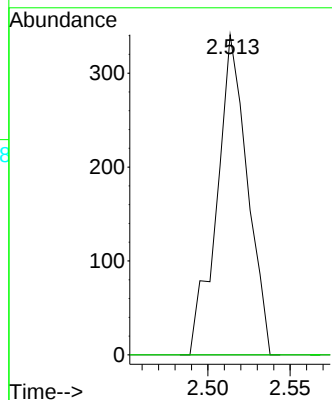
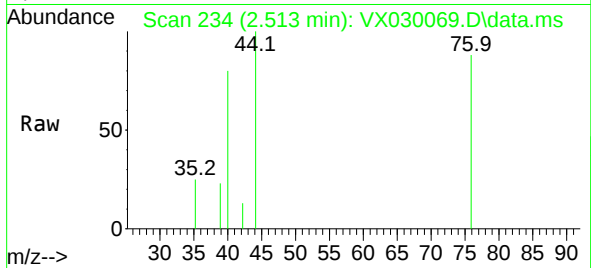




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.513 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

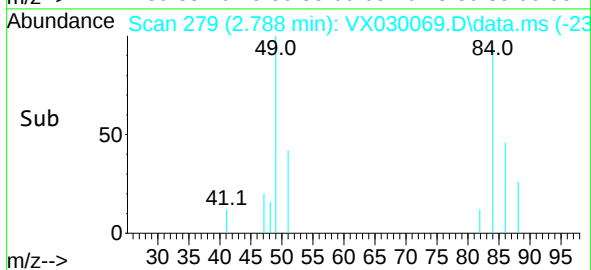
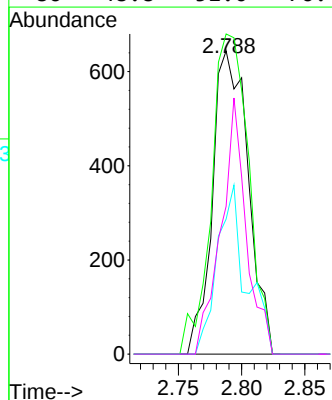
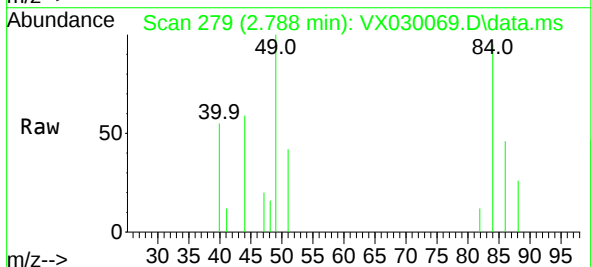
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84DL

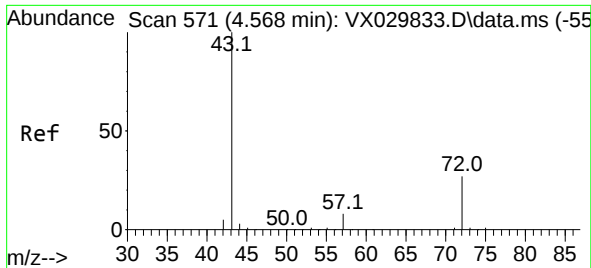
Tgt Ion: 76 Resp: 442
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Tgt Ion: 84 Resp: 1265
Ion Ratio Lower Upper
84 100
49 105.6 93.8 140.6
51 44.6 29.4 44.0#
86 48.8 51.0 76.4#

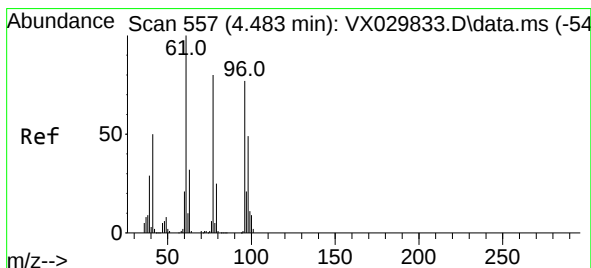
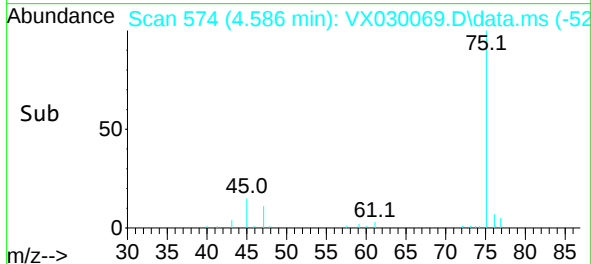
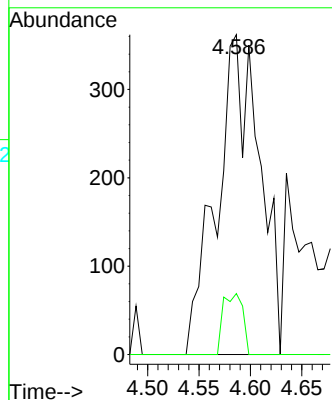
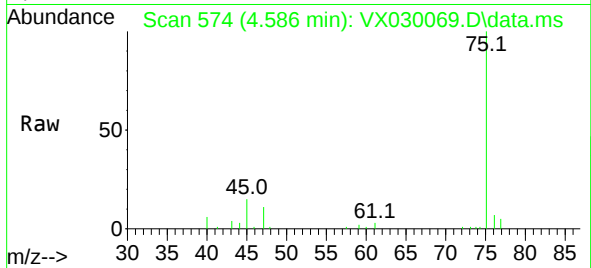




#25
2-Butanone
Concen: 0.637 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

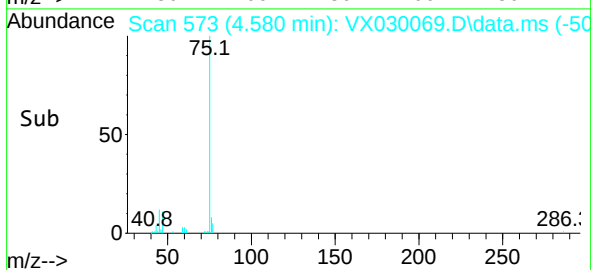
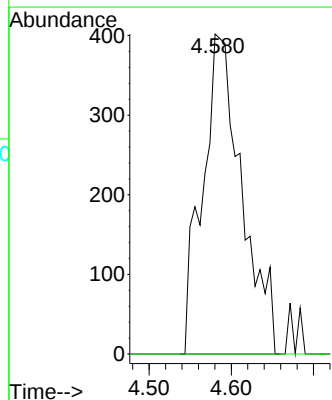
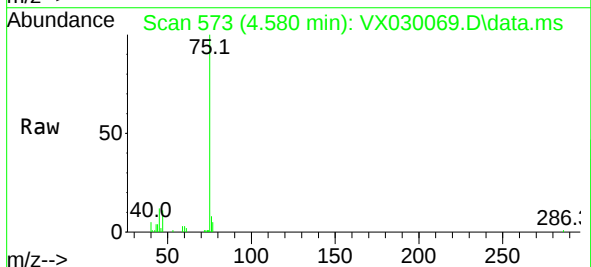
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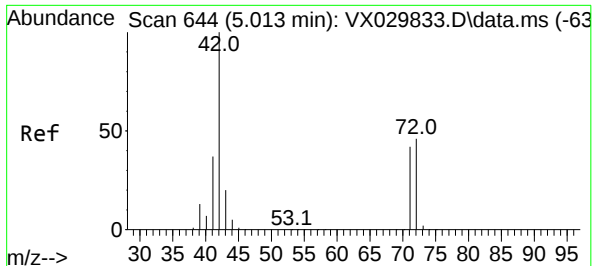
Tgt Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
72 19.1 21.7 32.5#



#26
2,2-Dichloropropane
Concen: 0.582 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.097 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Tgt Ion: 77 Resp: 1332
Ion Ratio Lower Upper
77 100
97 0.0 13.0 39.0#





#29

Tetrahydrofuran

Concen: 0.449 ug/l

RT: 5.043 min Scan# 644

Delta R.T. 0.030 min

Lab File: VX030069.D

Acq: 14 Jul 2022 18:31

Instrument :

MSVOA_X

ClientSampleId :

SPC-01E-84DL

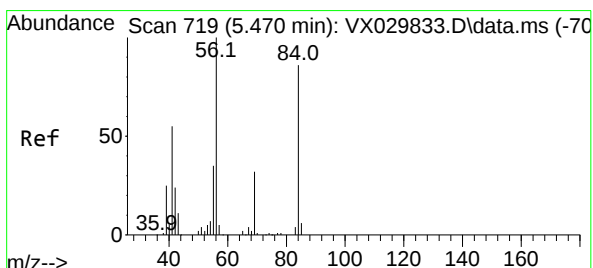
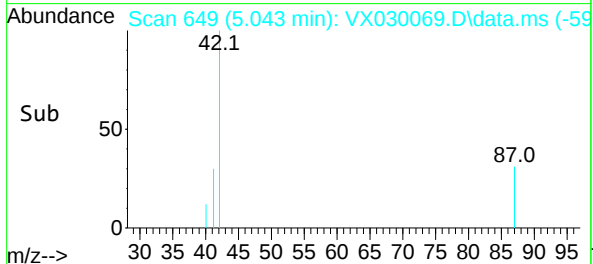
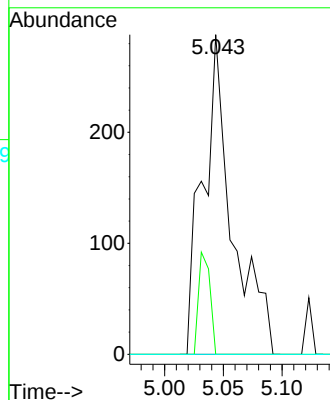
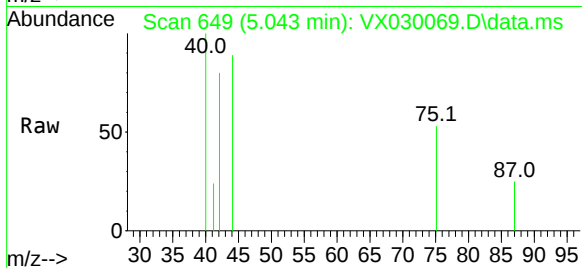
Tgt Ion: 42 Resp: 502

Ion Ratio Lower Upper

42 100

72 12.4 36.5 54.7#

71 0.0 33.9 50.9#



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX030069.D

Acq: 14 Jul 2022 18:31

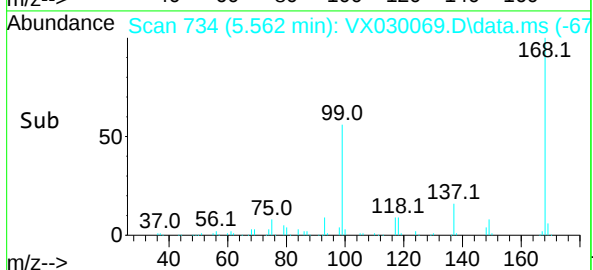
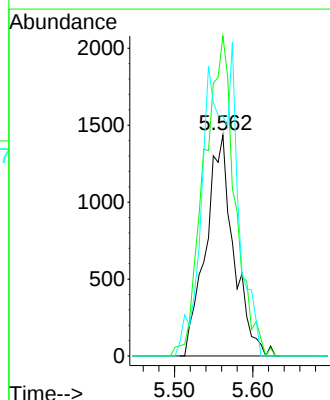
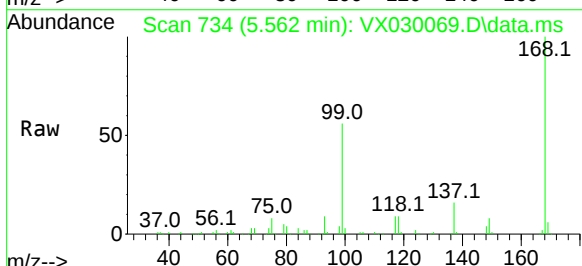
Tgt Ion: 56 Resp: 3551

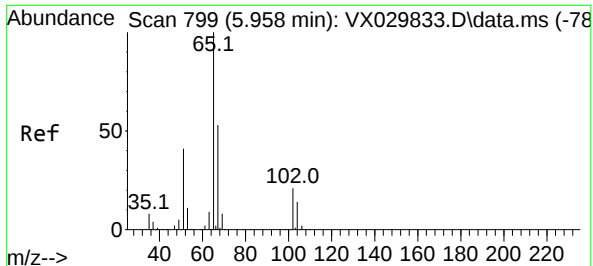
Ion Ratio Lower Upper

56 100

69 144.9 25.4 38.0#

84 108.6 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 46.939 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030069.D

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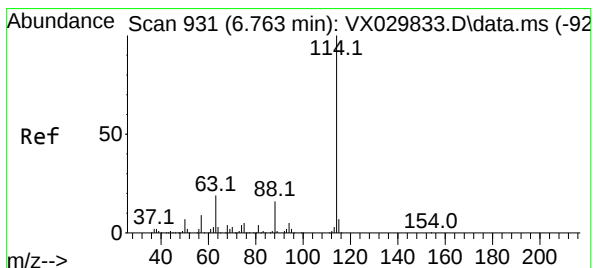
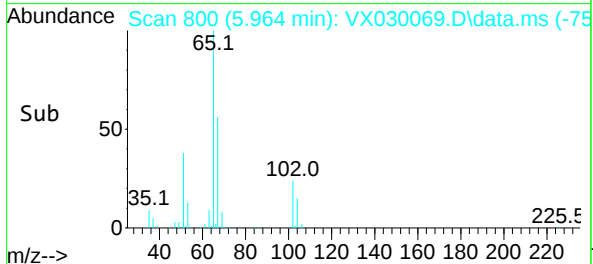
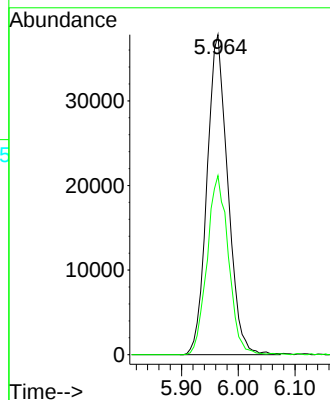
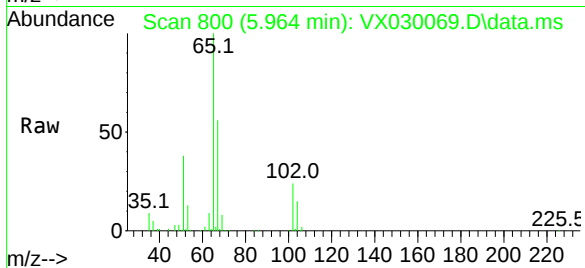
SPC-01E-84DL

Tgt Ion: 65 Resp: 96417

Ion Ratio Lower Upper

65 100

67 57.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX030069.D

Acq: 14 Jul 2022 18:31

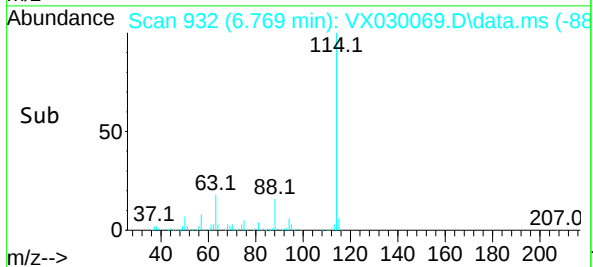
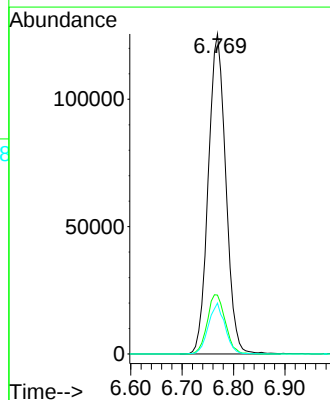
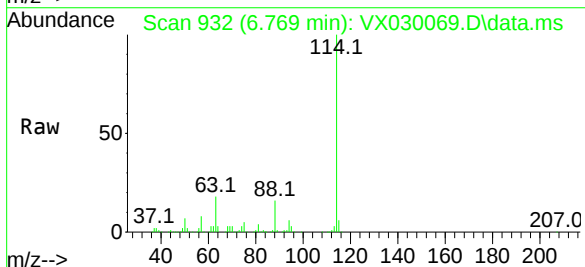
Tgt Ion: 114 Resp: 296871

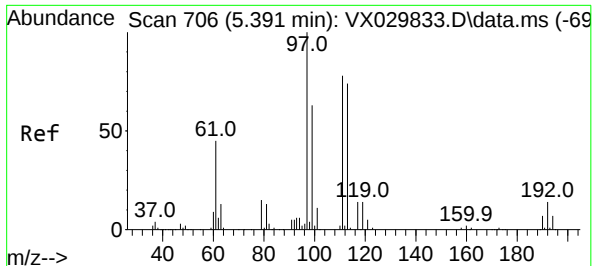
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.533 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030069.D

Acq: 14 Jul 2022 18:31

Instrument :

MSVOA_X

ClientSampleId :

SPC-01E-84DL

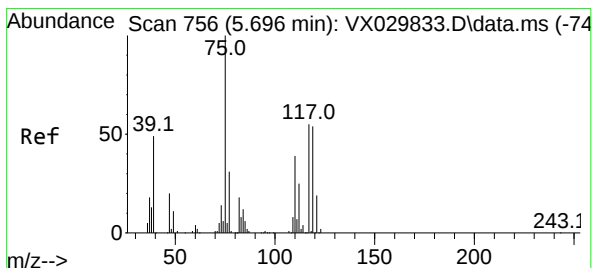
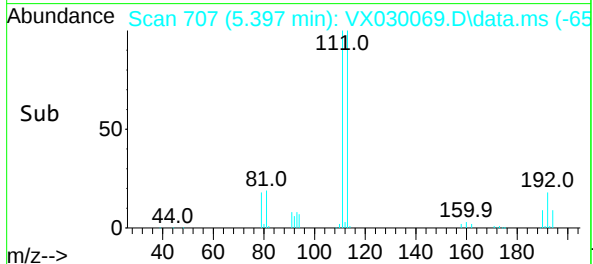
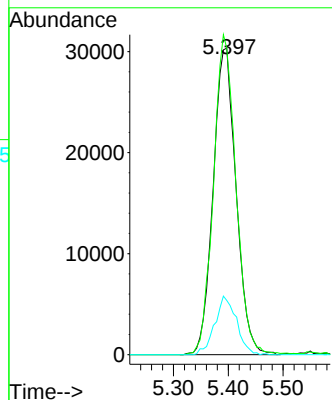
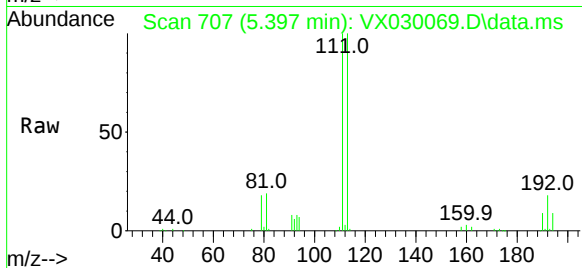
Tgt Ion:113 Resp: 88250

Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

192 18.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.364 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX030069.D

Acq: 14 Jul 2022 18:31

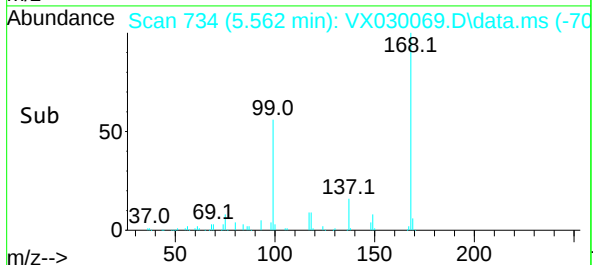
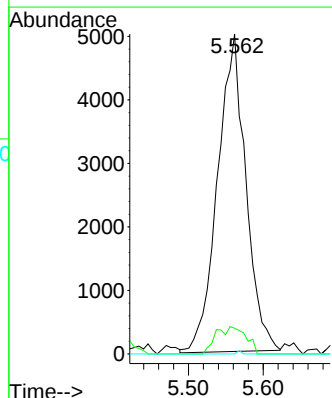
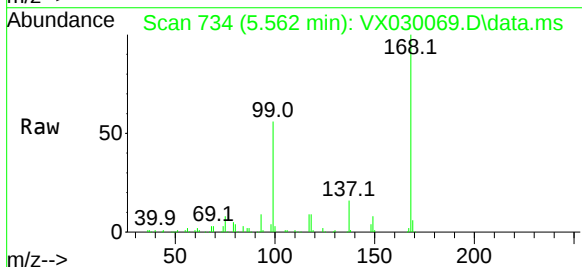
Tgt Ion: 75 Resp: 13139

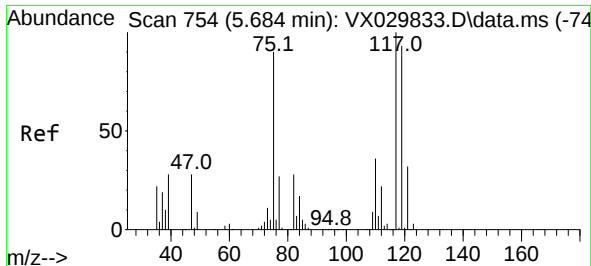
Ion Ratio Lower Upper

75 100

110 0.0 19.3 57.9#

77 0.2 24.4 36.6#

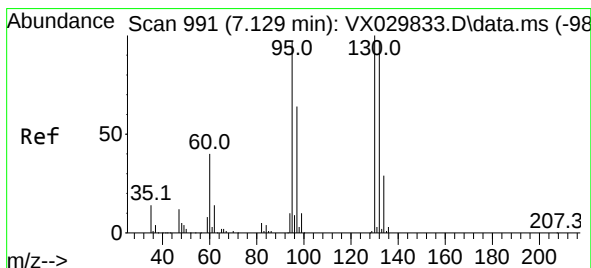
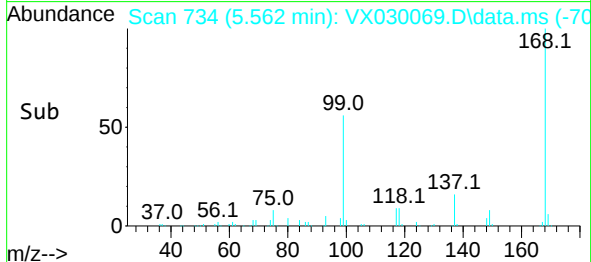
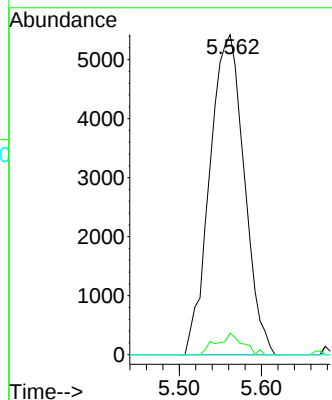
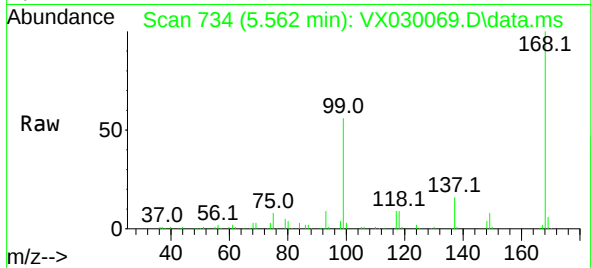




#38
Carbon Tetrachloride
Concen: 6.910 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

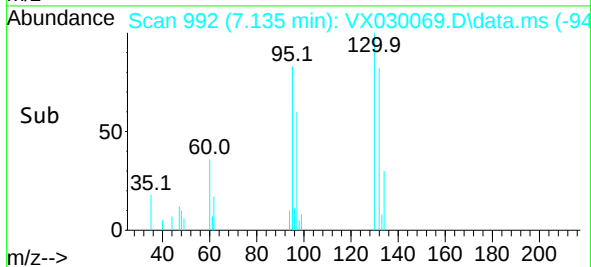
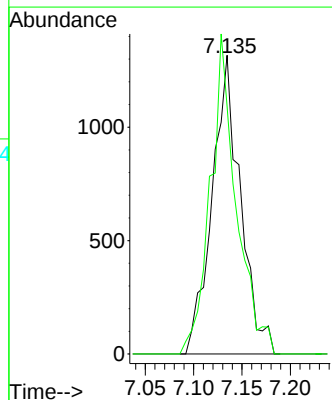
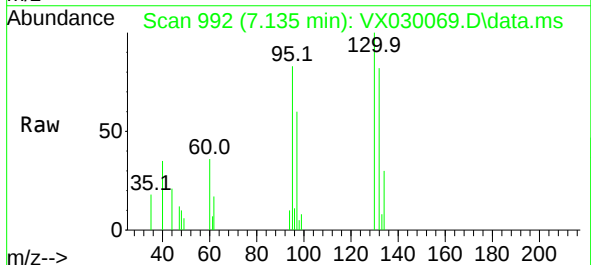
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84DL

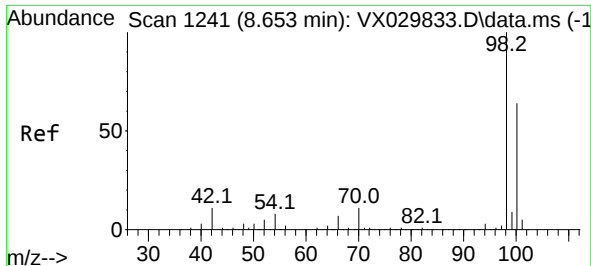
Tgt Ion:117 Resp: 15785
Ion Ratio Lower Upper
117 100
119 6.8 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 1.189 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Tgt Ion:130 Resp: 2678
Ion Ratio Lower Upper
130 100
95 82.9 0.0 194.8

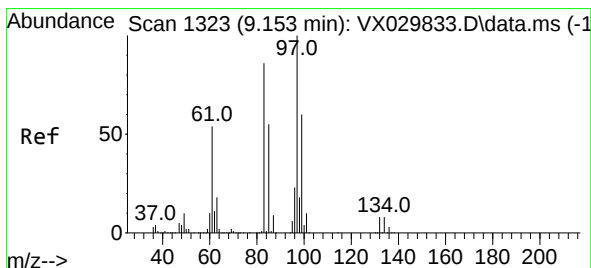
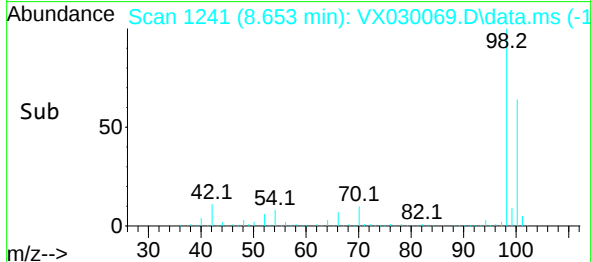
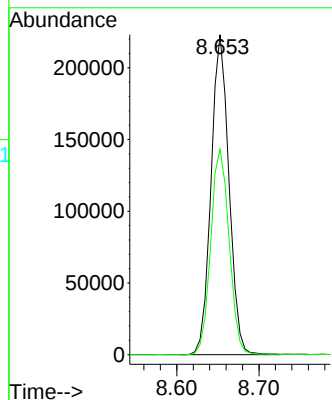
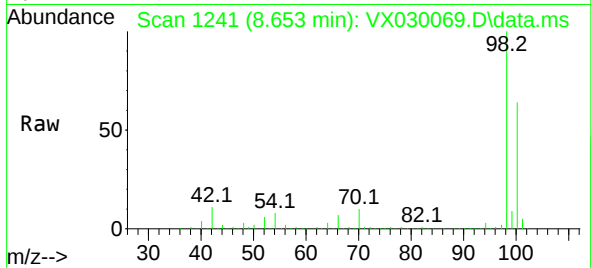




#50
Toluene-d8
Concen: 47.232 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

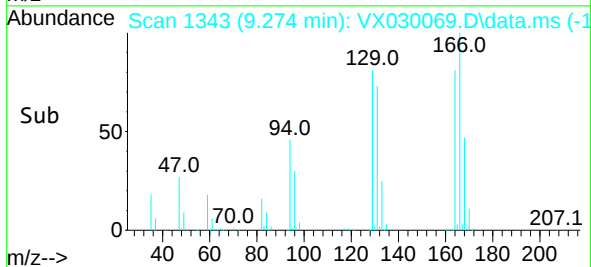
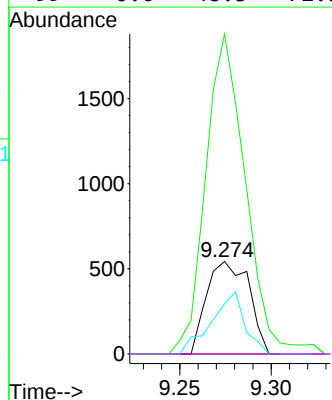
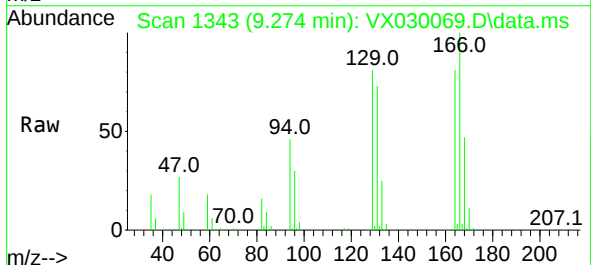
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84DL

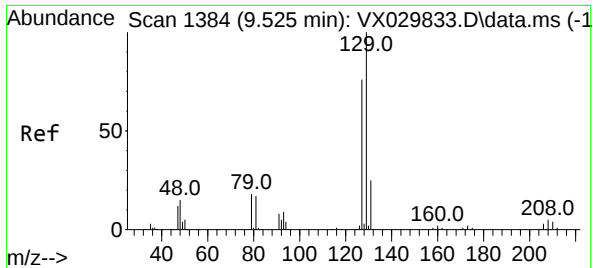
Tgt Ion: 98 Resp: 336894
Ion Ratio Lower Upper
98 100
100 66.0 52.3 78.5



#55
1,1,2-Trichloroethane
Concen: 0.434 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.121 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Tgt Ion: 97 Resp: 876
Ion Ratio Lower Upper
97 100
83 334.3 68.9 103.3#
85 54.1 44.0 66.0
99 0.0 48.3 72.5#

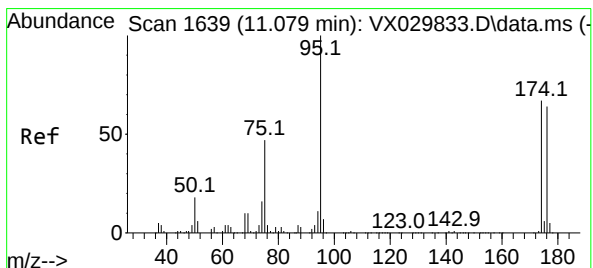
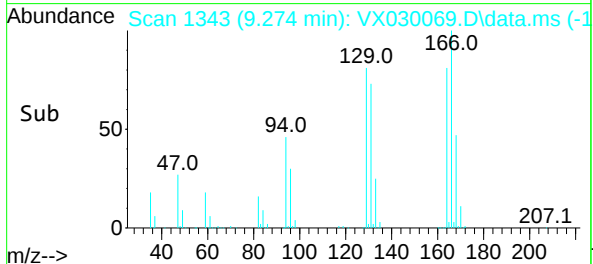
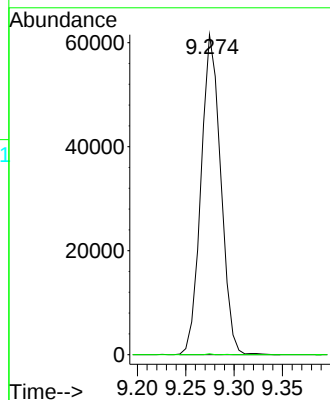
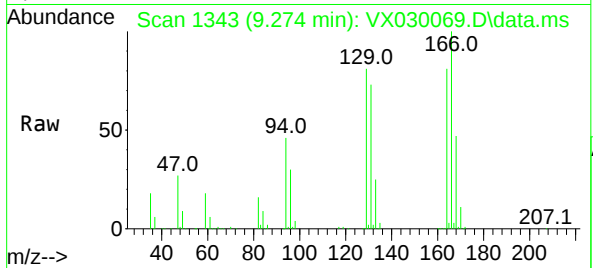




#60
Dibromochloromethane
Concen: 44.549 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.251 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

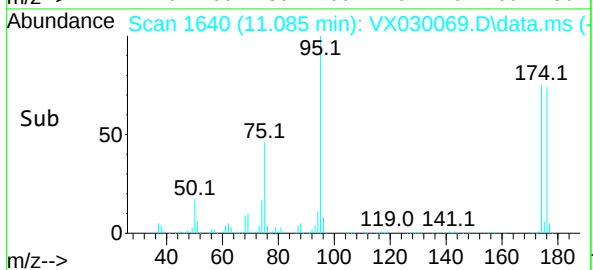
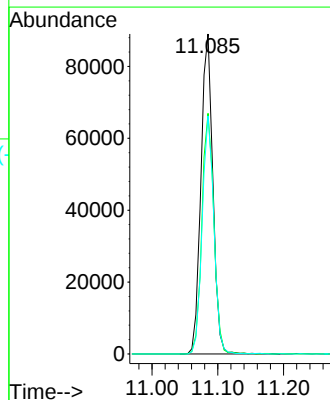
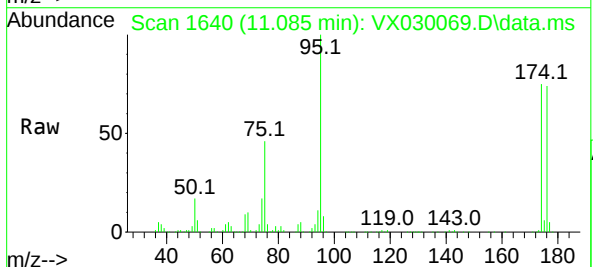
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84DL

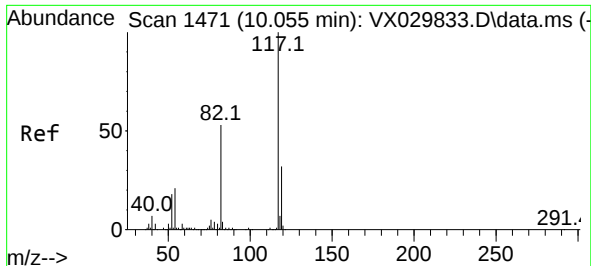
Tgt Ion:129 Resp: 87630
Ion Ratio Lower Upper
129 100
127 0.1 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 45.228 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Tgt Ion: 95 Resp: 111951
Ion Ratio Lower Upper
95 100
174 75.4 0.0 149.0
176 72.8 0.0 146.0

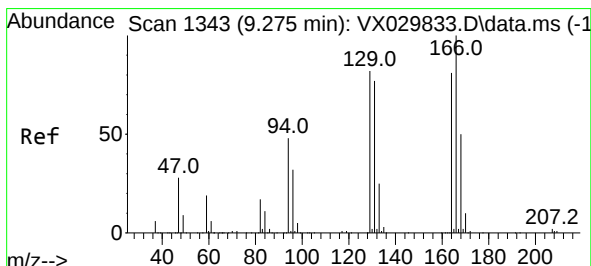
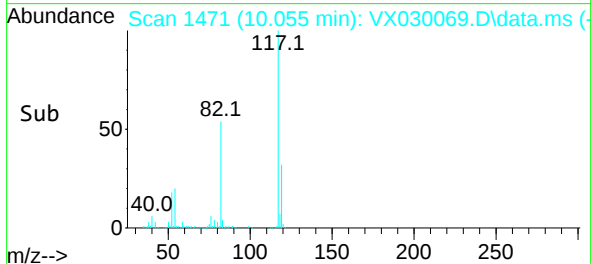
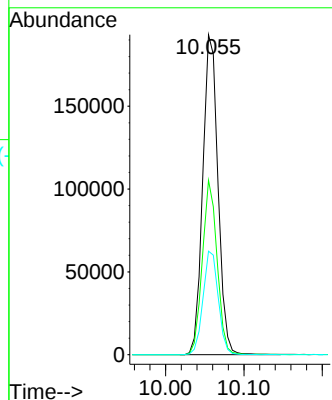
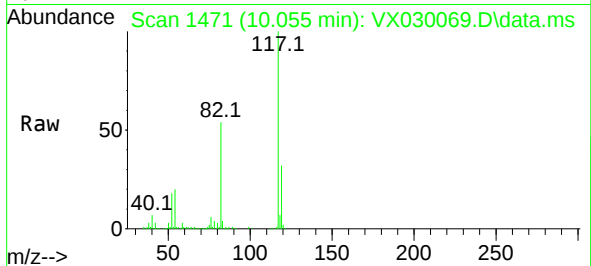




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

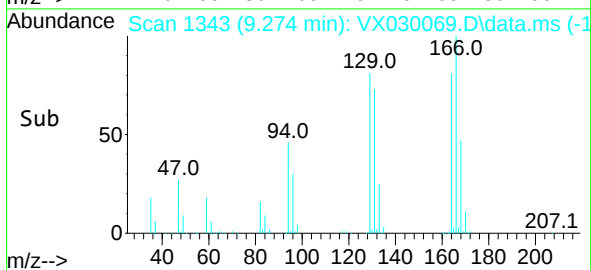
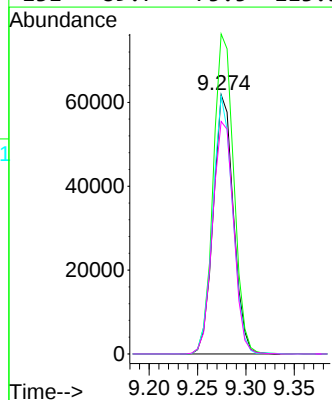
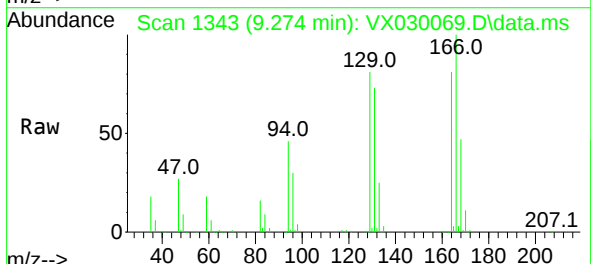
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84DL

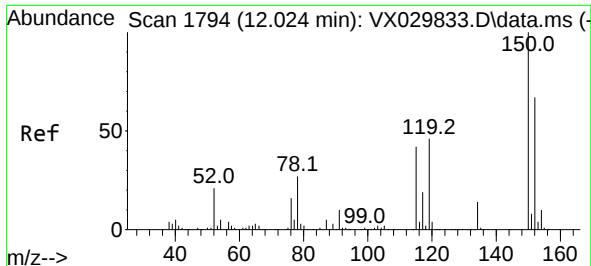
Tgt Ion:117 Resp: 260356
Ion Ratio Lower Upper
117 100
82 54.5 42.7 64.1
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 42.705 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Tgt Ion:164 Resp: 89252
Ion Ratio Lower Upper
164 100
166 123.5 98.2 147.4
129 99.5 80.8 121.2
131 89.7 75.5 113.3

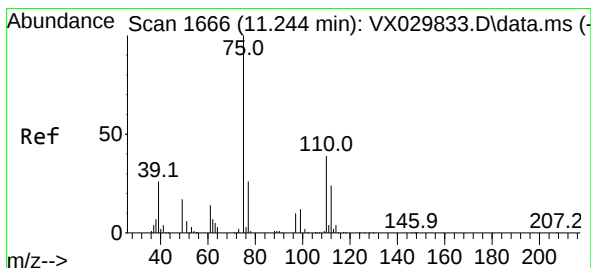
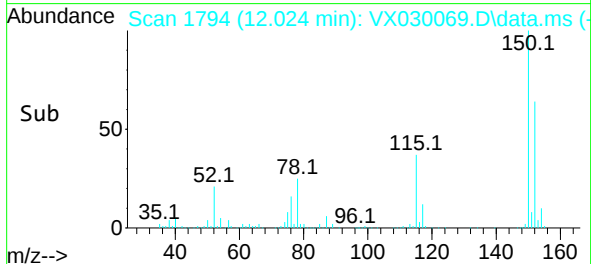
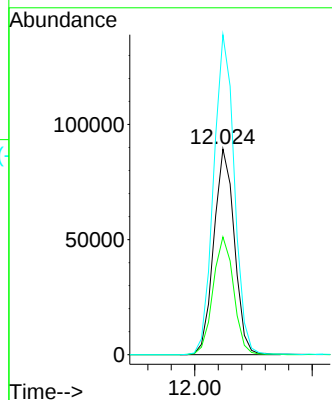
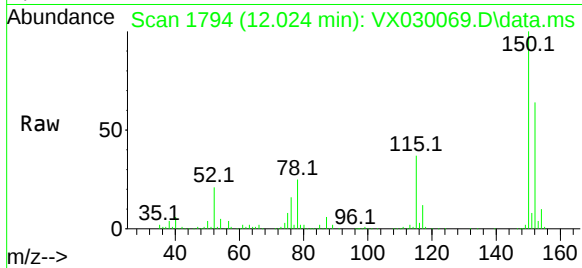




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

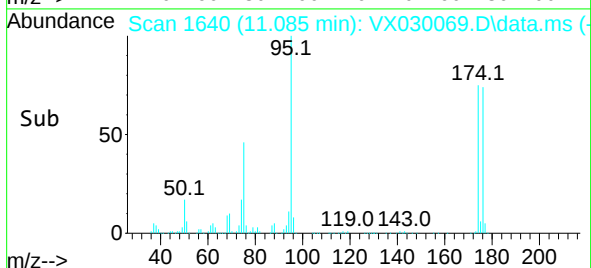
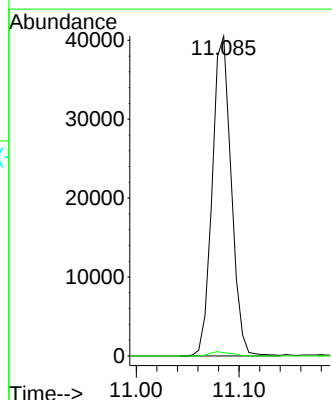
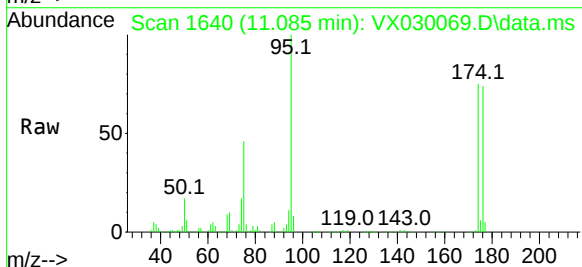
Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84DL

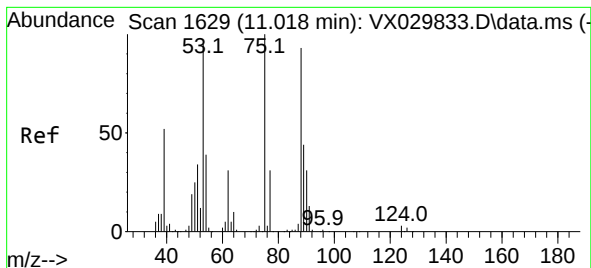
Tgt Ion:152 Resp: 108798
Ion Ratio Lower Upper
152 100
115 57.4 40.5 121.5
150 156.5 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 20.815 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Tgt Ion: 75 Resp: 52068
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#

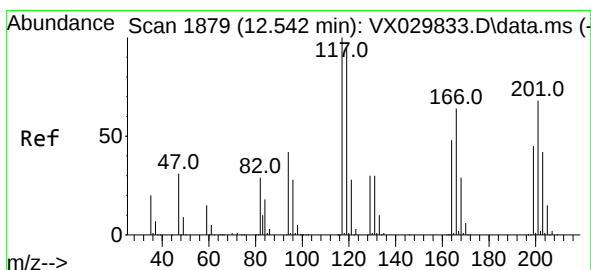
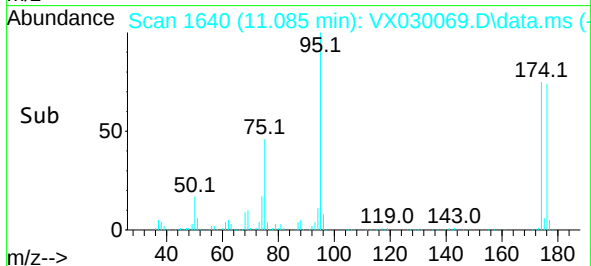
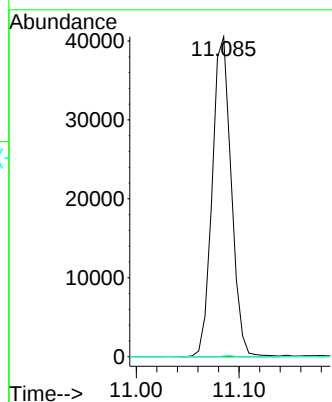
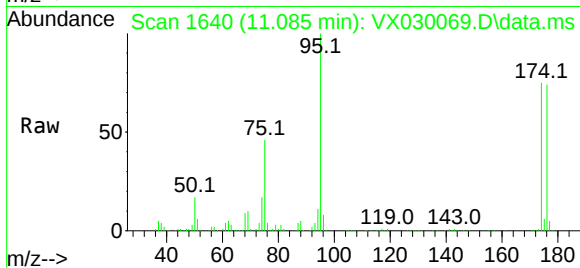




#81
trans-1,4-Dichloro-2-butene
Concen: 60.071 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Instrument :
MSVOA_X
ClientSampleId :
SPC-01E-84DL

Tgt Ion: 75 Resp: 52068
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.2 34.8 52.2#



#90
Hexachloroethane
Concen: 1.493 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX030069.D
Acq: 14 Jul 2022 18:31

Tgt Ion: 117 Resp: 1657
Ion Ratio Lower Upper
117 100
201 68.6 34.2 102.5

