

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025279.D
 Acq On : 23 Nov 2021 17:05
 Operator : JC/MD
 Sample : M4764-03DL 2X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 24 03:14:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

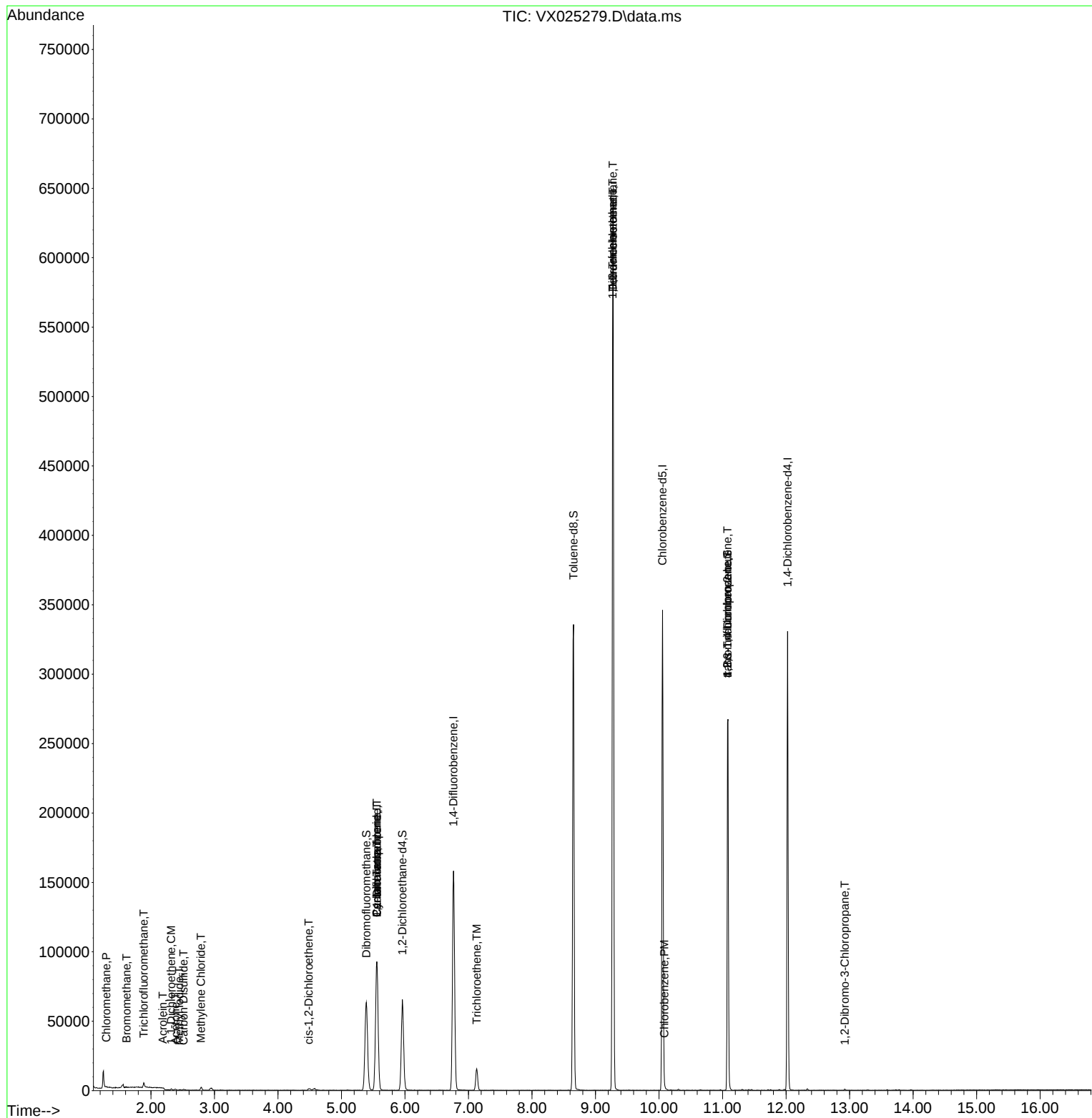
Internal Standards						
1) Pentafluorobenzene	5.556	168	97140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171827	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57286	55.948	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	111.900%	
35) Dibromofluoromethane	5.391	113	55409	52.557	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	105.120%	
50) Toluene-d8	8.653	98	202313	51.039	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	102.080%	
62) 4-Bromofluorobenzene	11.079	95	73193	48.808	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	97.620%	
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	218	0.209	ug/l #	42
5) Bromomethane	1.617	94	279	0.567	ug/l	95
7) Trichlorofluoromethane	1.886	101	1801	1.060	ug/l	95
10) Methyl Iodide	2.447	142	389	0.344	ug/l #	67
11) Tert butyl alcohol	2.959	59	1065	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	302	0.335	ug/l	86
13) Acrolein	2.184	56	44	0.938	ug/l #	1
16) Acetone	2.386	43	775	1.362	ug/l	92
17) Carbon Disulfide	2.514	76	657	0.259	ug/l #	76
20) Methylene Chloride	2.788	84	1031	0.964	ug/l #	63
27) cis-1,2-Dichloroethene	4.483	96	798	0.693	ug/l	85
31) Cyclohexane	5.556	56	1768	1.117	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6245	4.166	ug/l #	47
38) Carbon Tetrachloride	5.556	117	8713	5.277	ug/l #	18
44) Trichloroethene	7.129	130	6472	4.906	ug/l	85
55) 1,1,2-Trichloroethane	9.269	97	992	0.842	ug/l #	1
60) Dibromochloromethane	9.275	129	116130	85.625	ug/l #	11
64) Tetrachloroethene	9.275	164	126944	94.421	ug/l	92
65) Chlorobenzene	10.085	112	899	0.271	ug/l #	88
76) 1,2,3-Trichloropropane	11.079	75	35225	24.401	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35225	61.471	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.926	75	135	0.398	ug/l #	1
95) Naphthalene	13.780	128	478	Below Cal	#	69

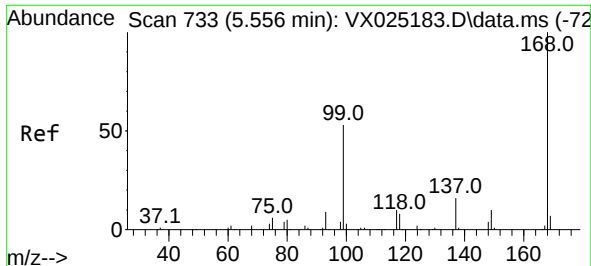
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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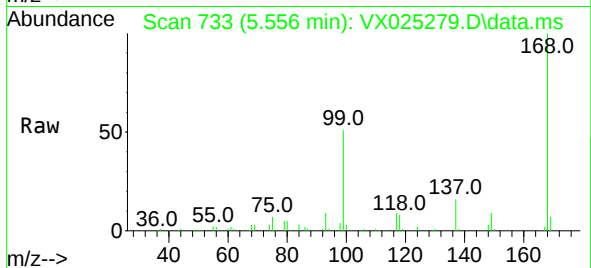


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

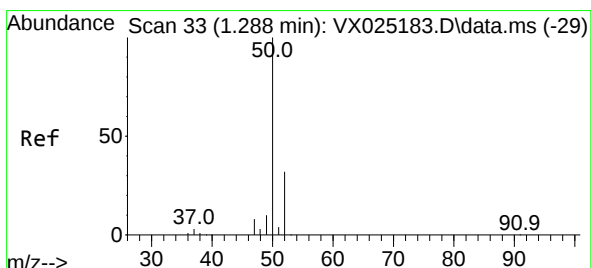
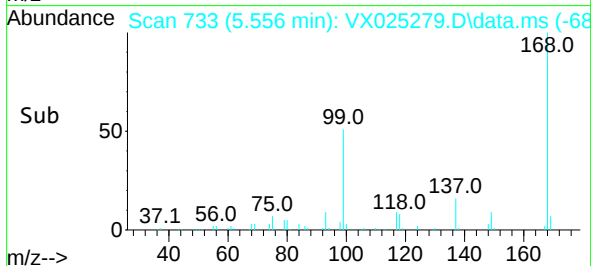
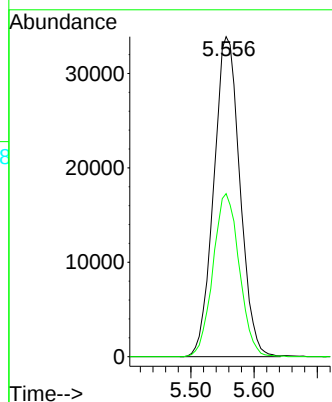
Instrument :

MSVOA_X

ClientSampleId :

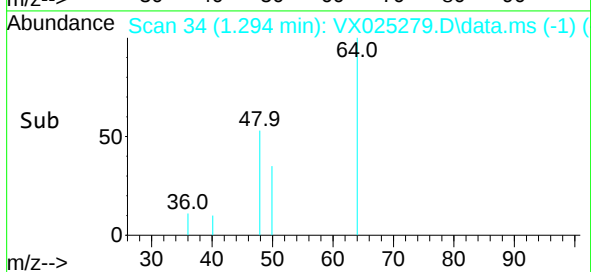
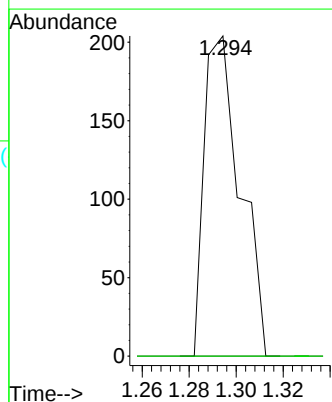
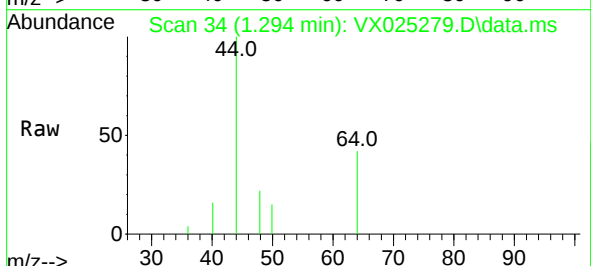


Tgt Ion:168 Resp: 97140
Ion Ratio Lower Upper
168 100
99 51.0 46.4 69.6



#3
Chloromethane
Concen: 0.209 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

Tgt Ion: 50 Resp: 218
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

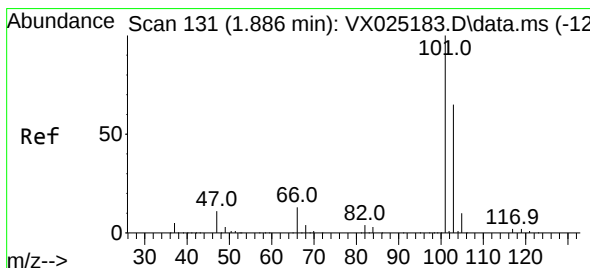
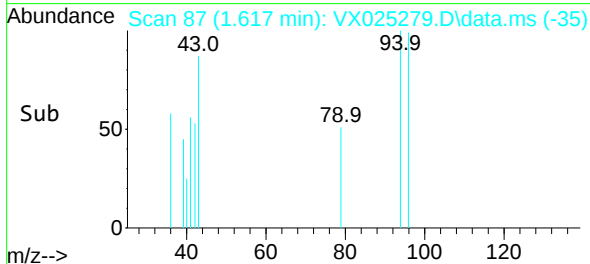
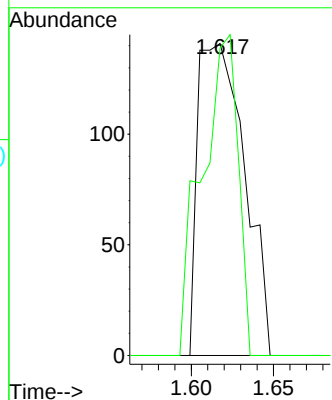
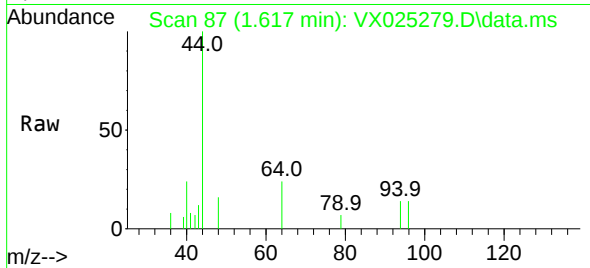




#5
Bromomethane
Concen: 0.567 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

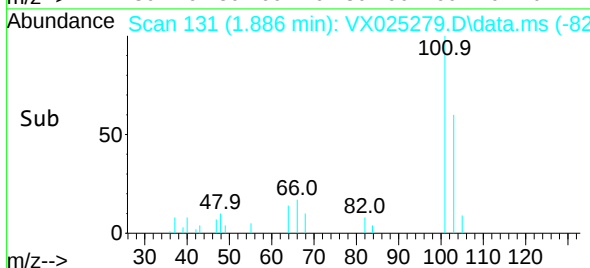
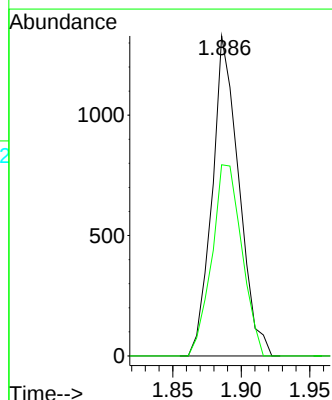
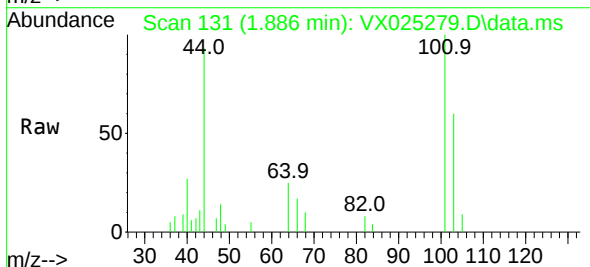
Instrument :
MSVOA_X
ClientSampleId :

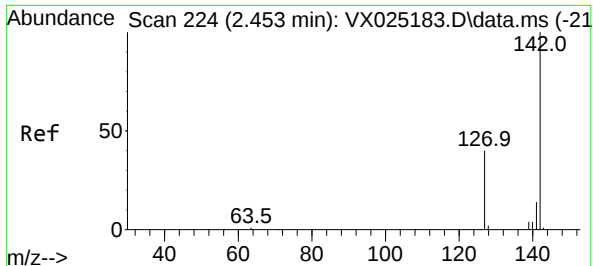
Tgt Ion: 94 Resp: 279
Ion Ratio Lower Upper
94 100
96 98.6 74.8 112.2



#7
Trichlorofluoromethane
Concen: 1.060 ug/l
RT: 1.886 min Scan# 131
Delta R.T. -0.000 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

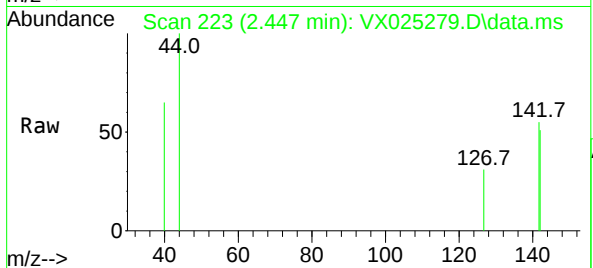
Tgt Ion: 101 Resp: 1801
Ion Ratio Lower Upper
101 100
103 59.7 51.0 76.6



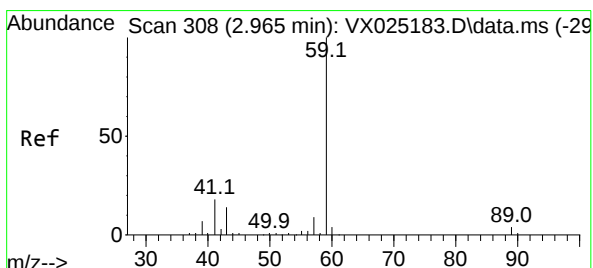
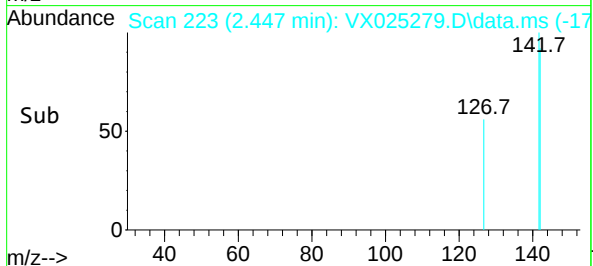
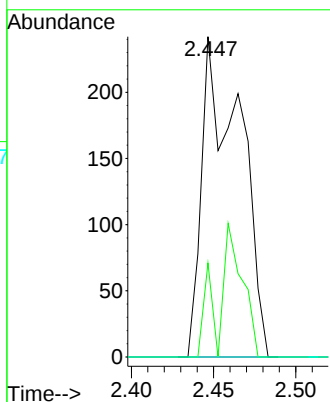


#10
Methyl Iodide
Concen: 0.344 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

Instrument :
MSVOA_X
ClientSampleId :

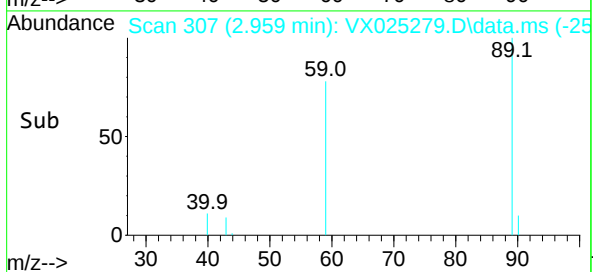
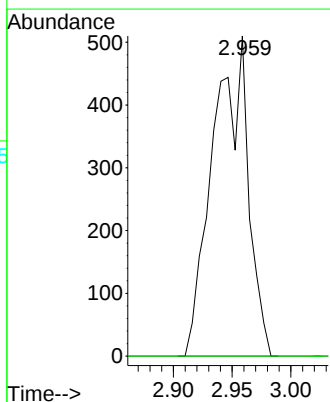
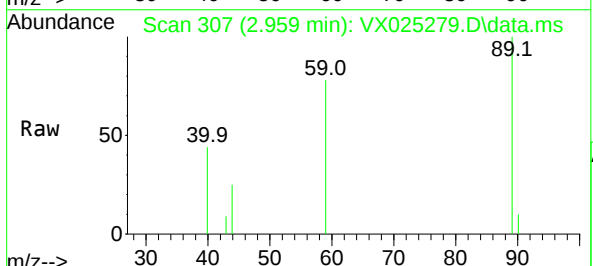


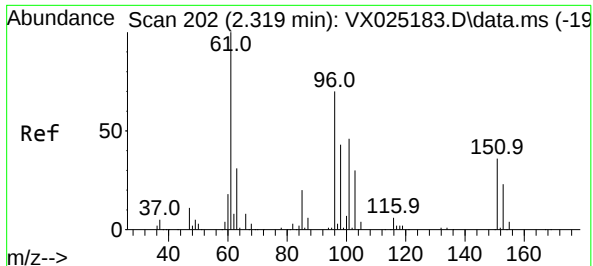
Tgt Ion:142 Resp: 389
Ion Ratio Lower Upper
142 100
127 27.0 38.9 58.3#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

Tgt Ion: 59 Resp: 1065
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 0.335 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

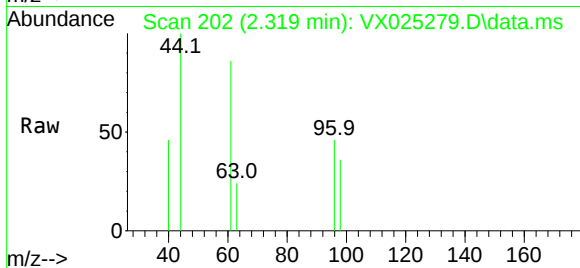
Lab File: VX025279.D

Acq: 23 Nov 2021 17:05

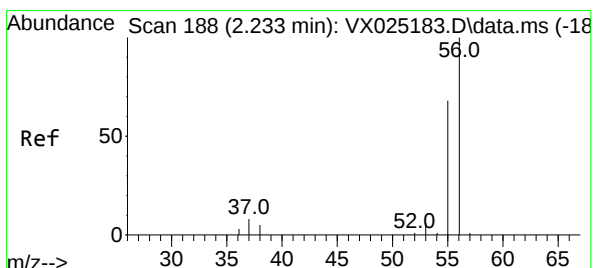
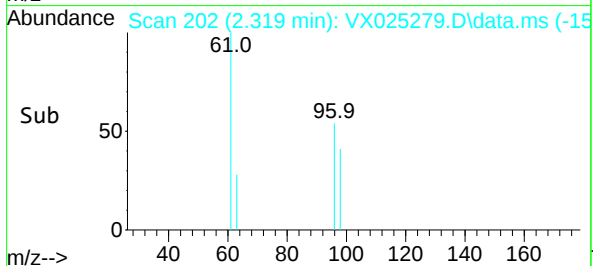
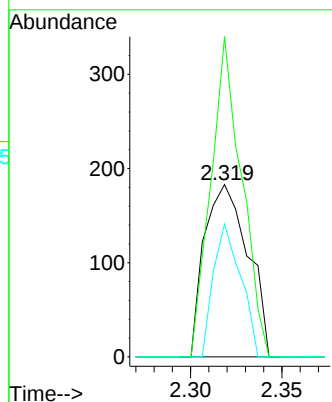
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	96	Resp:	302
Ion	Ratio	Lower	Upper
96	100		
61	185.8	134.1	201.1
98	77.0	51.5	77.3



#13

Acrolein

Concen: 0.938 ug/l

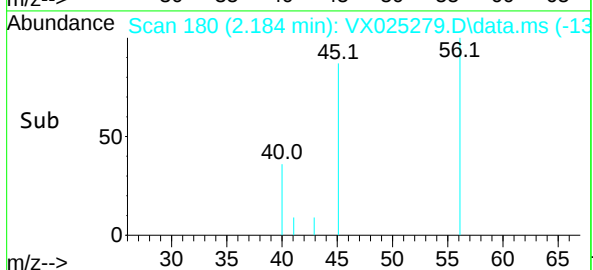
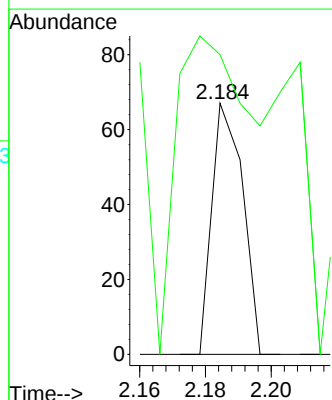
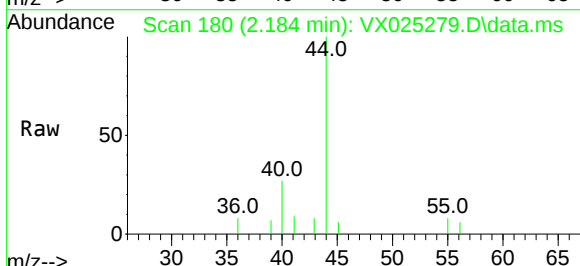
RT: 2.184 min Scan# 180

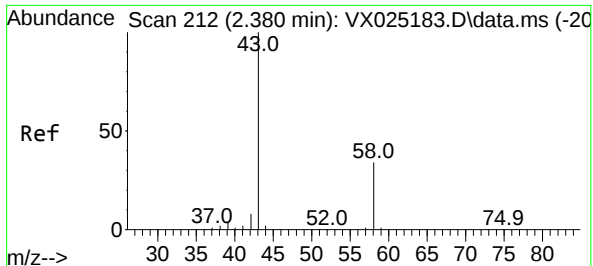
Delta R.T. -0.049 min

Lab File: VX025279.D

Acq: 23 Nov 2021 17:05

Tgt Ion:	56	Resp:	44
Ion	Ratio	Lower	Upper
56	100		
55	429.5	58.6	87.8#

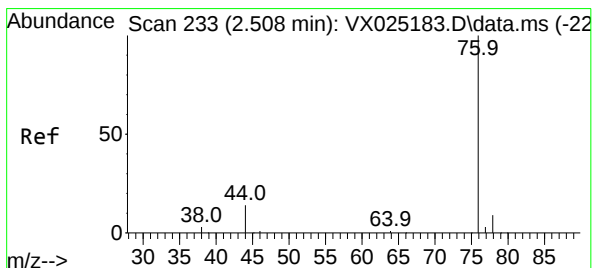
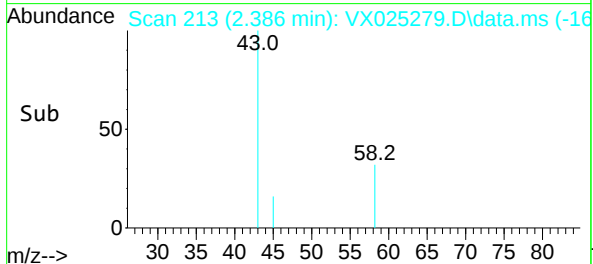
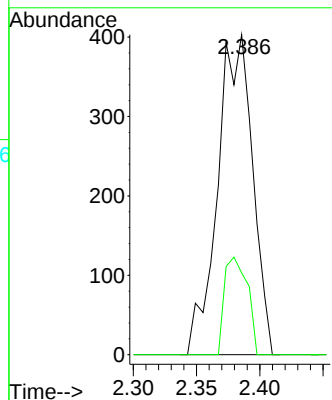
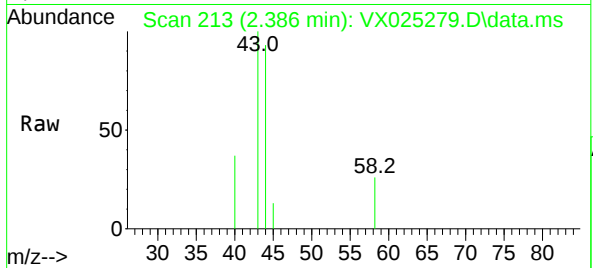




#16
Acetone
Concen: 1.362 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

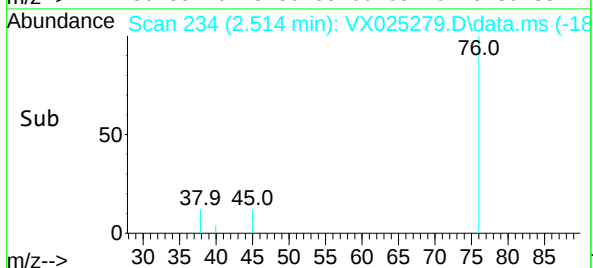
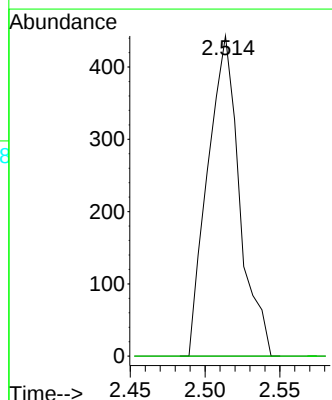
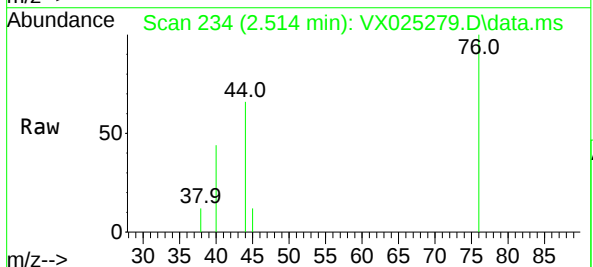
Instrument :
MSVOA_X
ClientSampleId :

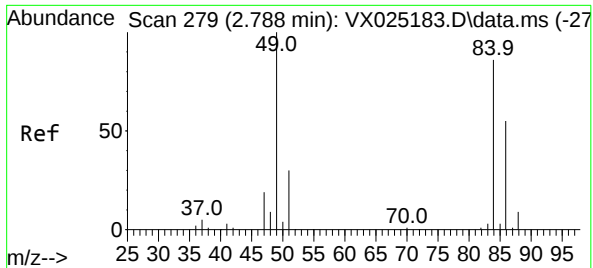
Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
58 25.6 24.0 36.0



#17
Carbon Disulfide
Concen: 0.259 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

Tgt Ion: 76 Resp: 657
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#





#20

Methylene Chloride

Concen: 0.964 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

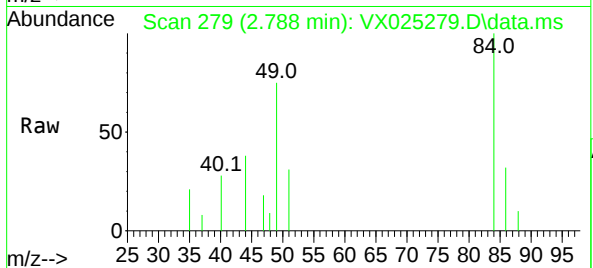
Lab File: VX025279.D

Acq: 23 Nov 2021 17:05

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1031

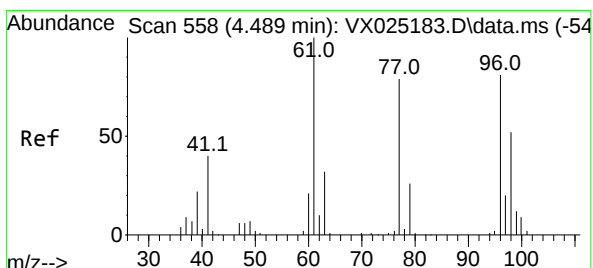
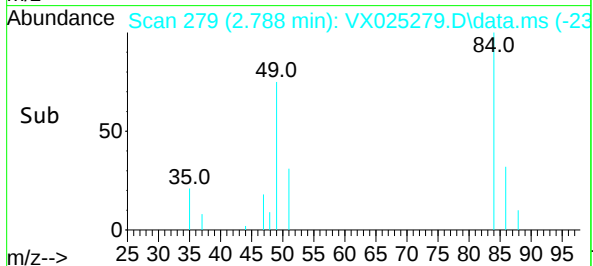
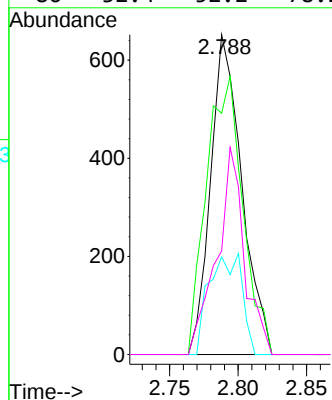
Ion Ratio Lower Upper

84 100

49 75.5 98.2 147.2#

51 30.5 30.2 45.4

86 32.4 52.2 78.2#



#27

cis-1,2-Dichloroethene

Concen: 0.693 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX025279.D

Acq: 23 Nov 2021 17:05

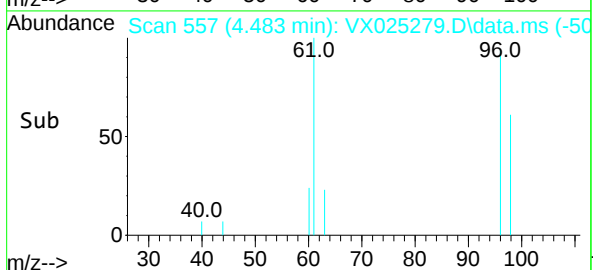
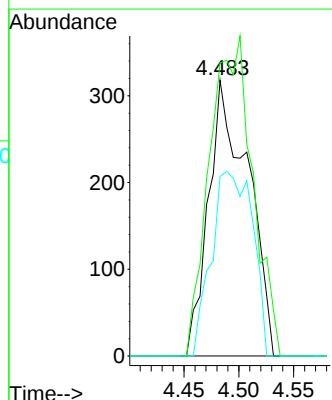
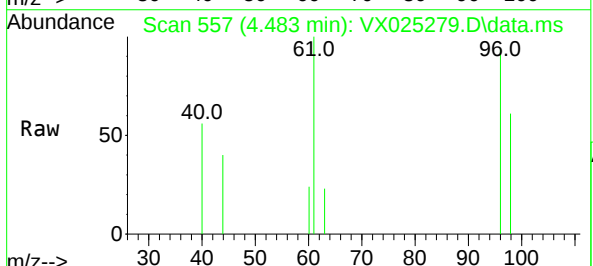
Tgt Ion: 96 Resp: 798

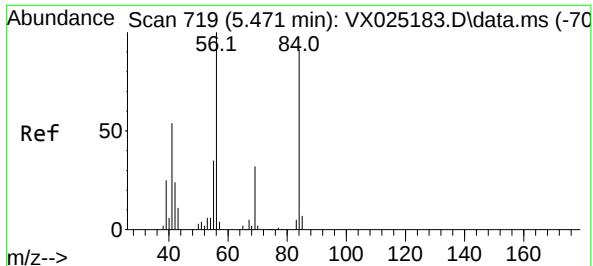
Ion Ratio Lower Upper

96 100

61 125.7 0.0 302.2

98 69.8 0.0 131.4





#31

Cyclohexane

Concen: 1.117 ug/l

RT: 5.556 min Scan# 719

Delta R.T. 0.085 min

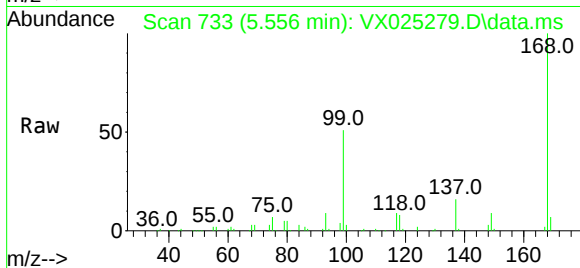
Lab File: VX025279.D

Acq: 23 Nov 2021 17:05

Instrument :

MSVOA_X

ClientSampleId :



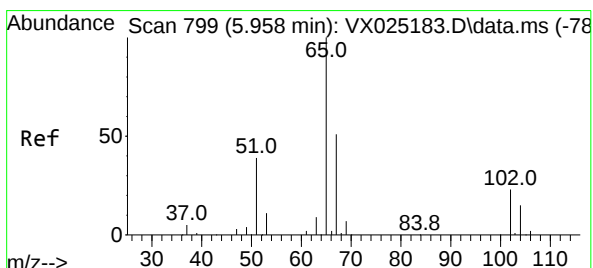
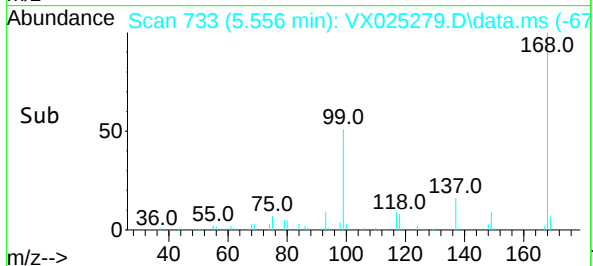
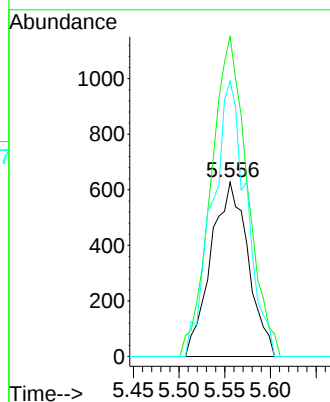
Tgt Ion: 56 Resp: 1768

Ion Ratio Lower Upper

56 100

69 183.6 24.2 36.2#

84 158.1 71.5 107.3#



#33

1,2-Dichloroethane-d4

Concen: 55.948 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025279.D

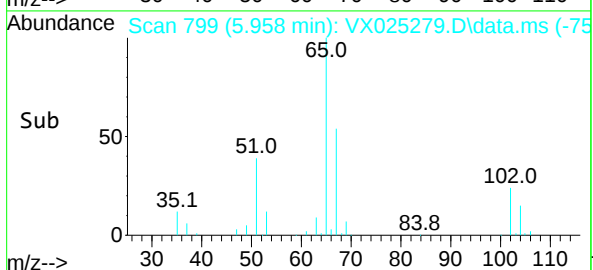
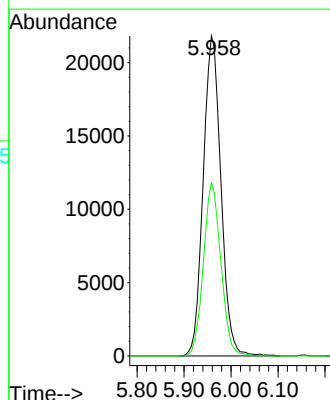
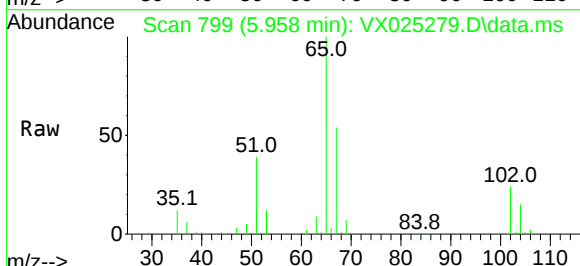
Acq: 23 Nov 2021 17:05

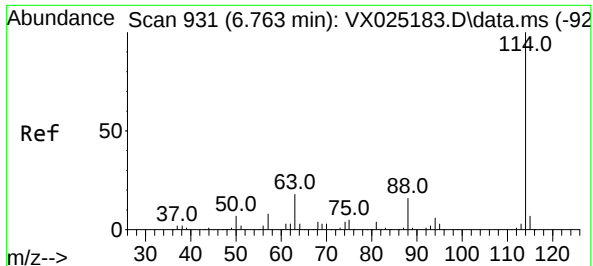
Tgt Ion: 65 Resp: 57286

Ion Ratio Lower Upper

65 100

67 53.2 0.0 101.0

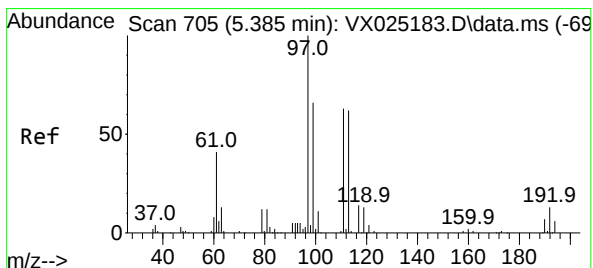
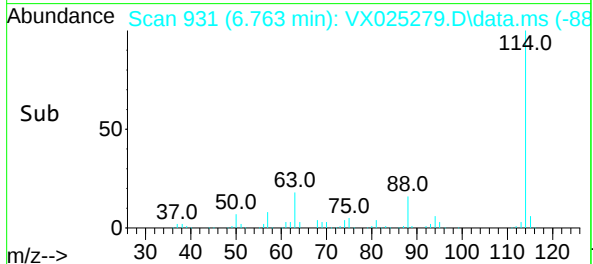
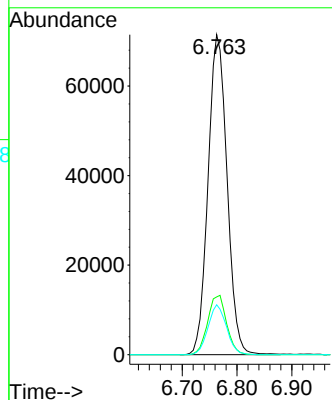
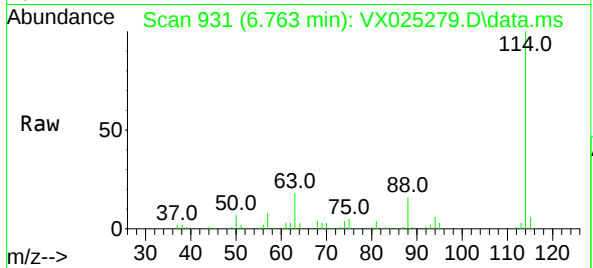




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

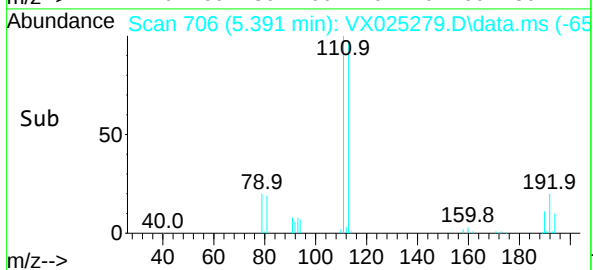
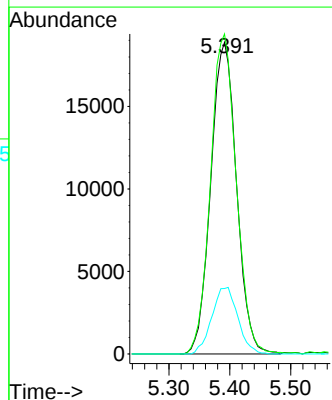
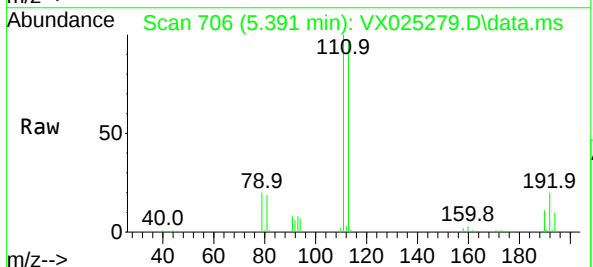
Instrument :
MSVOA_X
ClientSampleId :

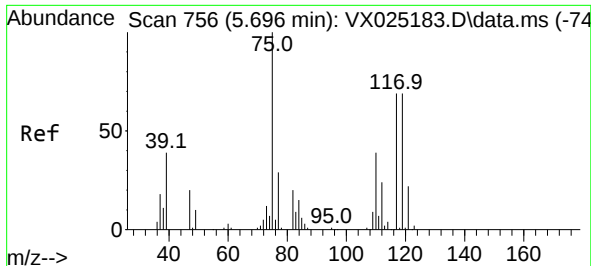
Tgt Ion:114 Resp: 171827
Ion Ratio Lower Upper
114 100
63 18.1 0.0 41.0
88 15.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 52.557 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

Tgt Ion:113 Resp: 55409
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 21.6 15.6 23.4

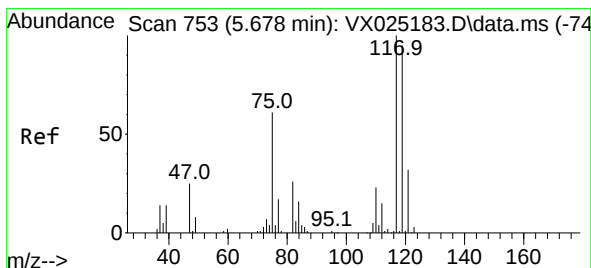
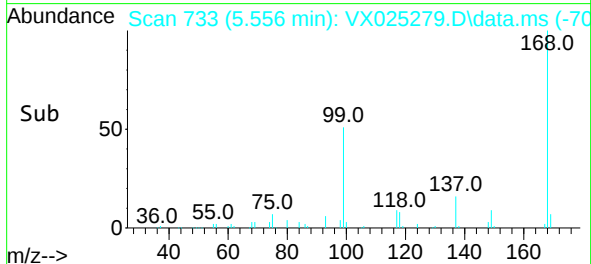
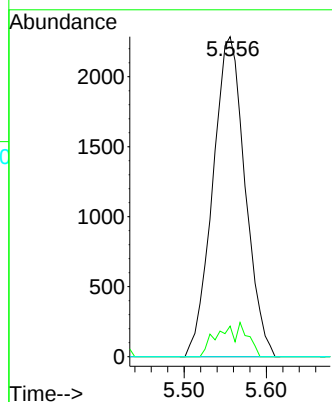
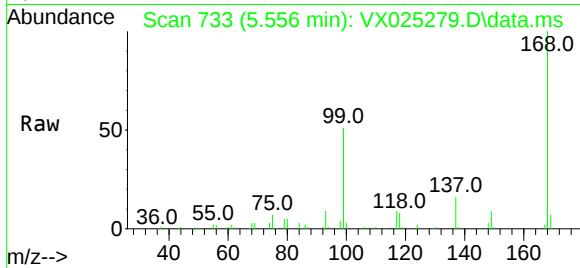




#36
1,1-Dichloropropene
Concen: 4.166 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

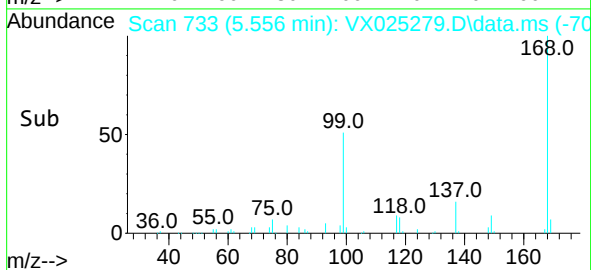
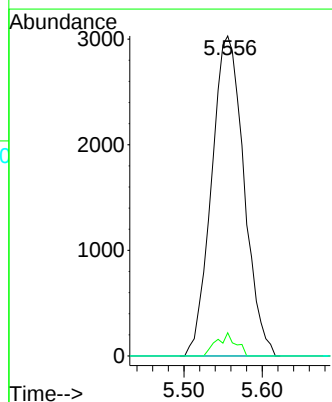
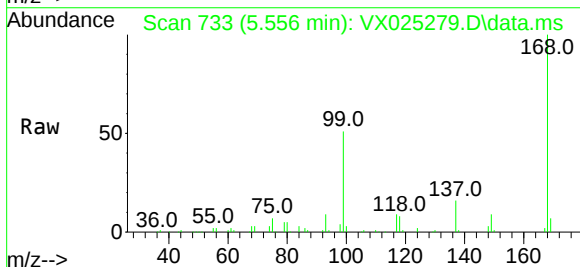
Instrument :
MSVOA_X
ClientSampleId :

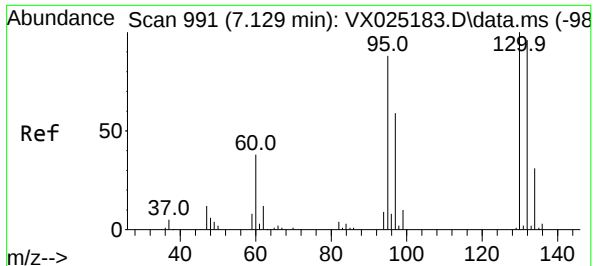
Tgt Ion: 75 Resp: 6245
Ion Ratio Lower Upper
75 100
110 5.9 18.1 54.3#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.277 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

Tgt Ion: 117 Resp: 8713
Ion Ratio Lower Upper
117 100
119 7.3 75.6 113.4#
121 0.0 23.7 35.5#

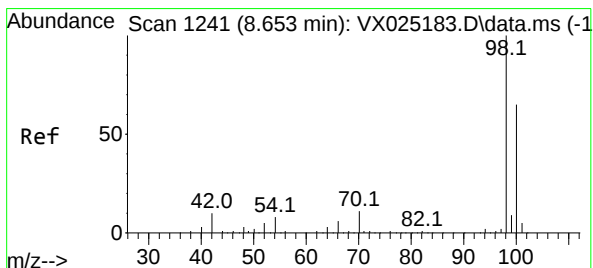
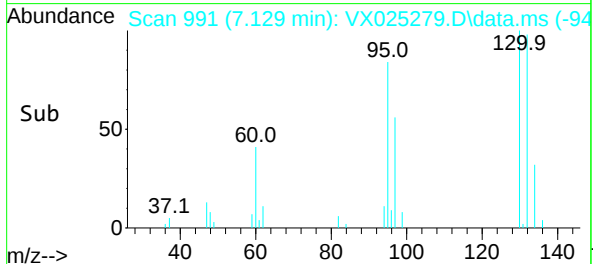
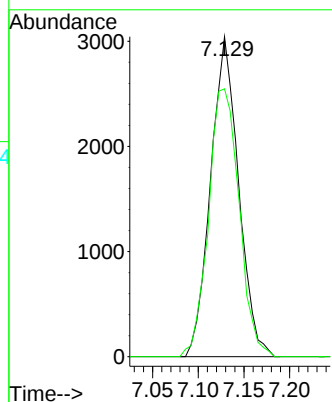
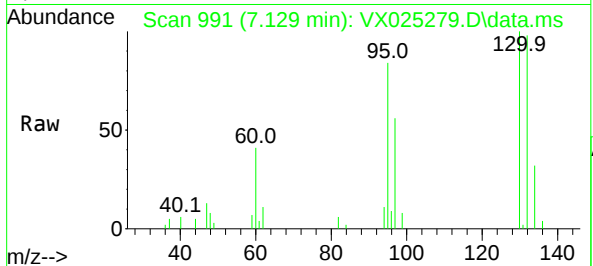




#44
Trichloroethene
Concen: 4.906 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

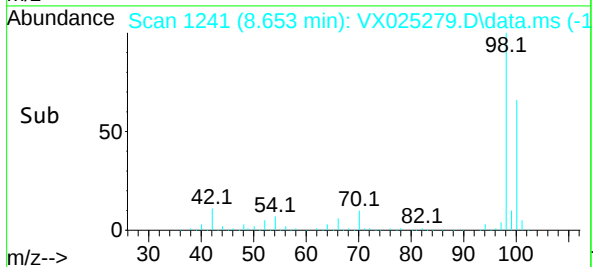
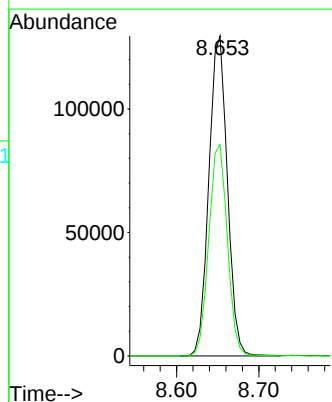
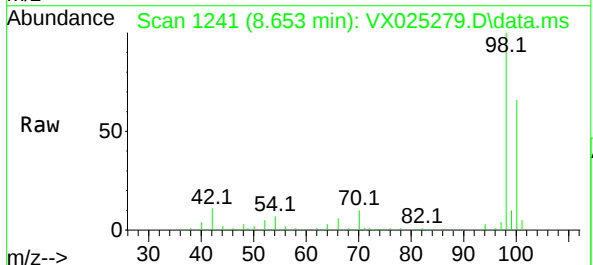
Instrument :
MSVOA_X
ClientSampleId :

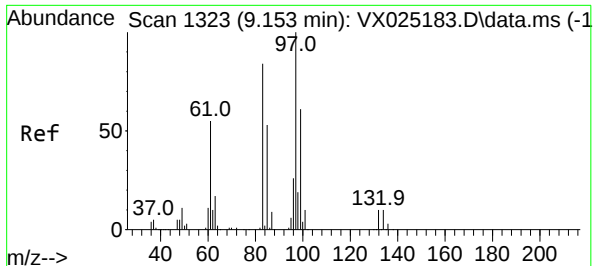
Tgt Ion:130 Resp: 6472
Ion Ratio Lower Upper
130 100
95 83.7 0.0 196.8



#50
Toluene-d8
Concen: 51.039 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

Tgt Ion: 98 Resp: 202313
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.0





#55

1,1,2-Trichloroethane

Concen: 0.842 ug/l

RT: 9.269 min Scan# 1

Delta R.T. 0.116 min

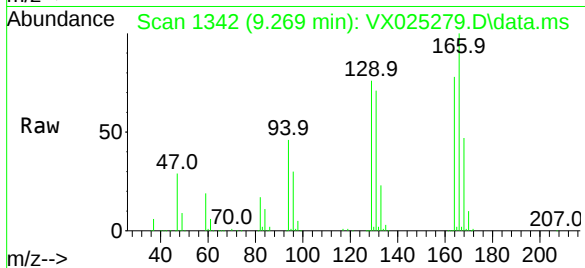
Lab File: VX025279.D

Acq: 23 Nov 2021 17:05

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 992

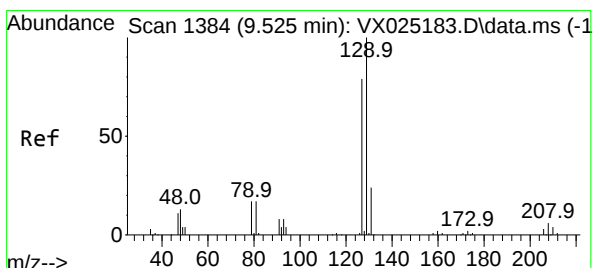
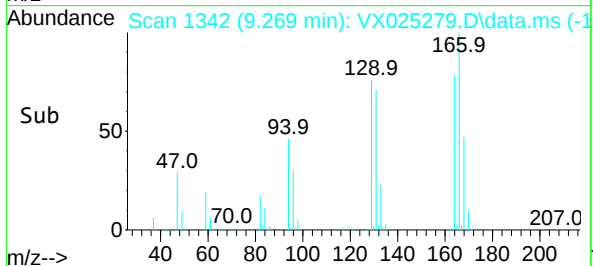
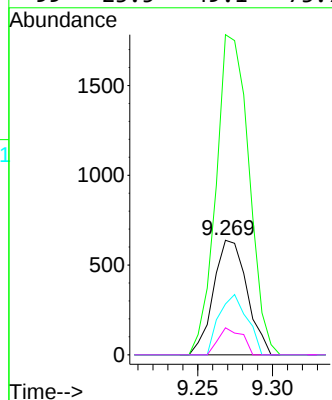
Ion Ratio Lower Upper

97 100

83 279.5 69.2 103.8#

85 44.4 43.3 64.9

99 23.5 49.1 73.7#



#60

Dibromochloromethane

Concen: 85.625 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX025279.D

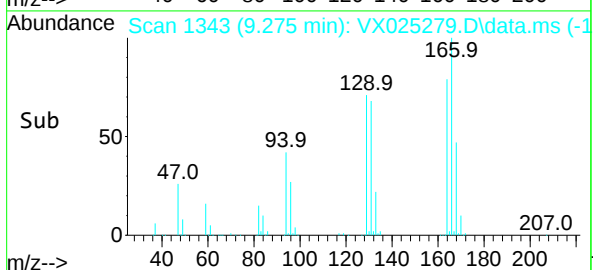
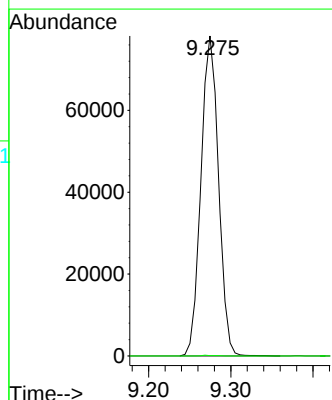
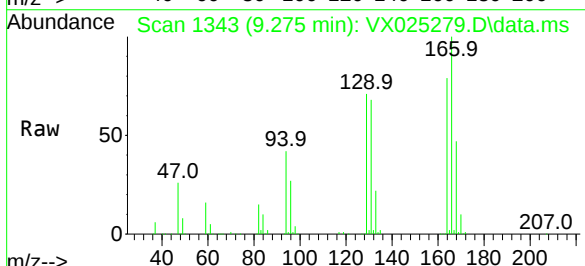
Acq: 23 Nov 2021 17:05

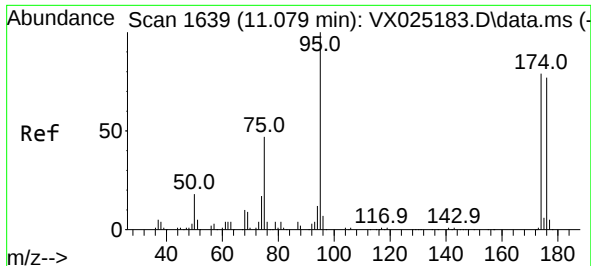
Tgt Ion: 129 Resp: 116130

Ion Ratio Lower Upper

129 100

127 0.2 38.5 115.5#

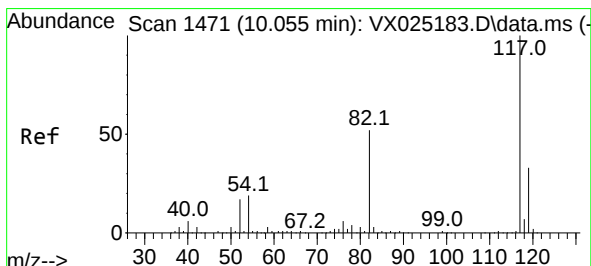
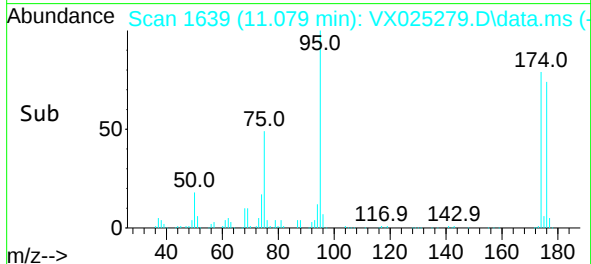
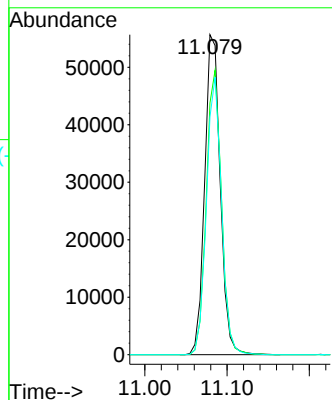
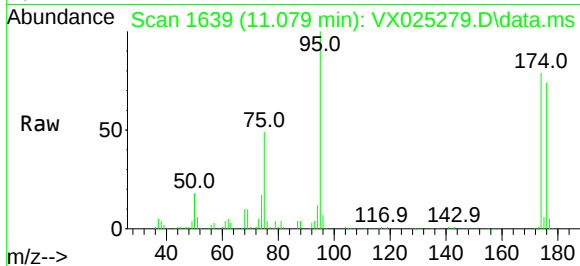




#62
4-Bromofluorobenzene
Concen: 48.808 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

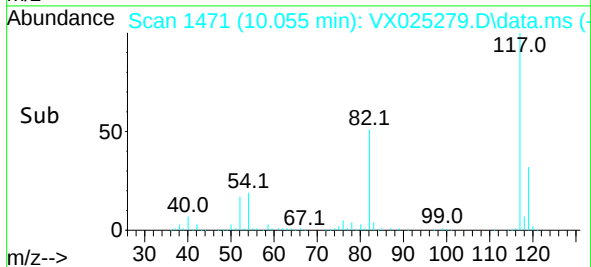
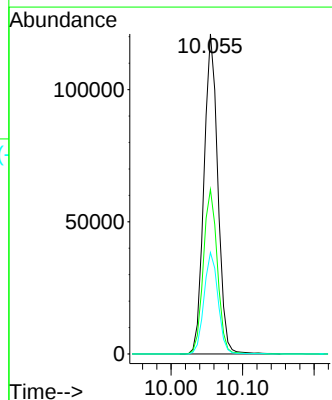
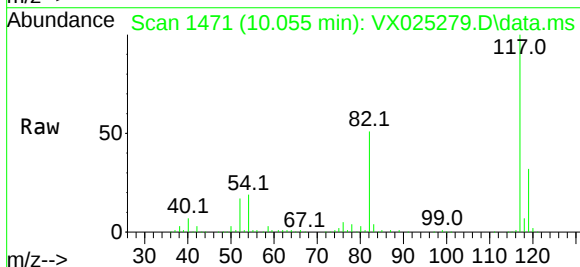
Instrument :
MSVOA_X
ClientSampleId :

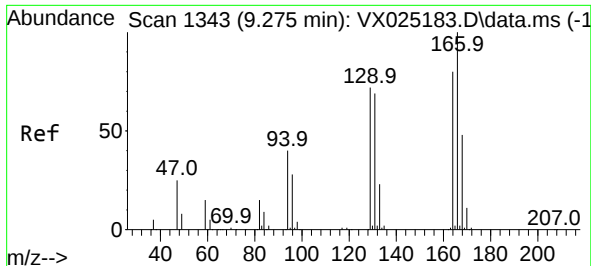
Tgt Ion: 95 Resp: 73193
Ion Ratio Lower Upper
95 100
174 87.0 0.0 158.0
176 84.4 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

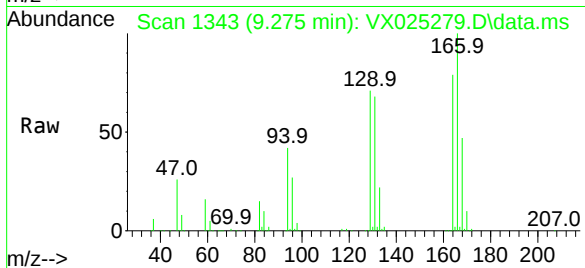
Tgt Ion: 117 Resp: 163042
Ion Ratio Lower Upper
117 100
82 51.4 44.6 67.0
119 31.7 24.8 37.2



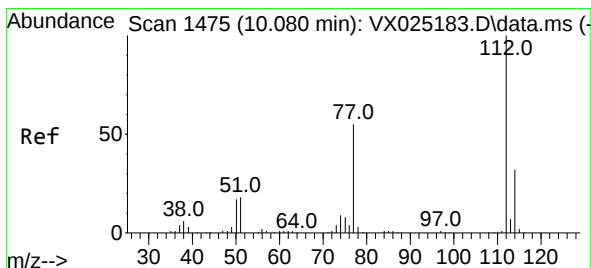
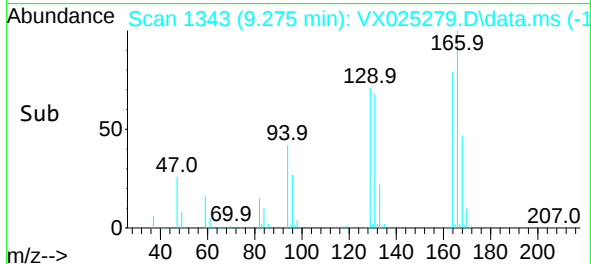
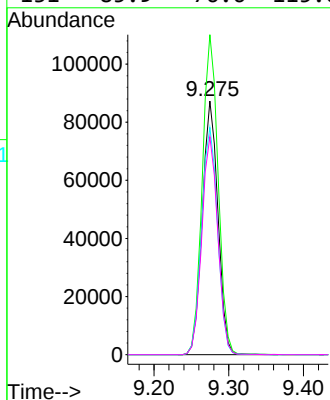


#64
Tetrachloroethene
Concen: 94.421 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

Instrument :
MSVOA_X
ClientSampleId :

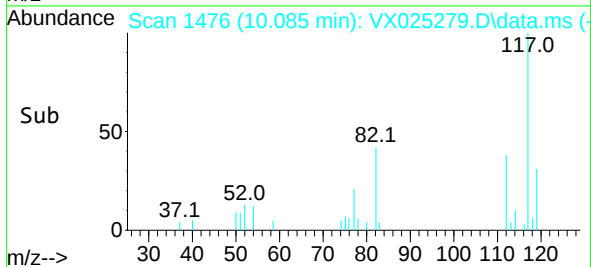
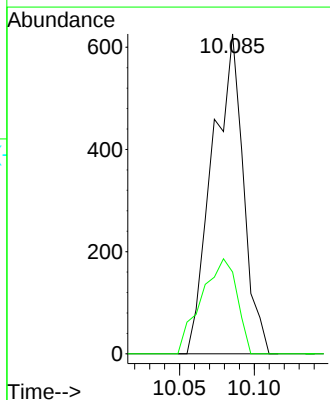
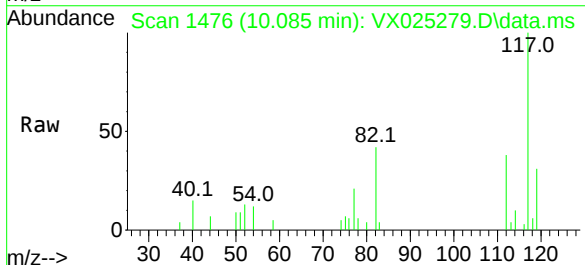


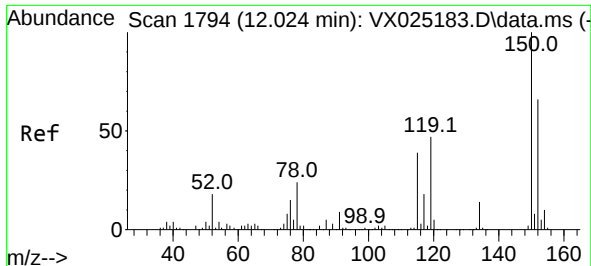
Tgt Ion:164 Resp: 126944
Ion Ratio Lower Upper
164 100
166 126.1 103.2 154.8
129 89.5 81.0 121.4
131 85.9 76.6 115.0



#65
Chlorobenzene
Concen: 0.271 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. 0.005 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

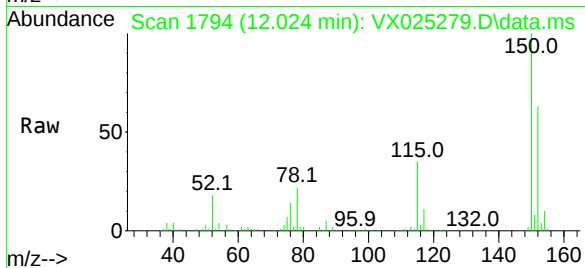
Tgt Ion:112 Resp: 899
Ion Ratio Lower Upper
112 100
114 25.6 25.8 38.6#



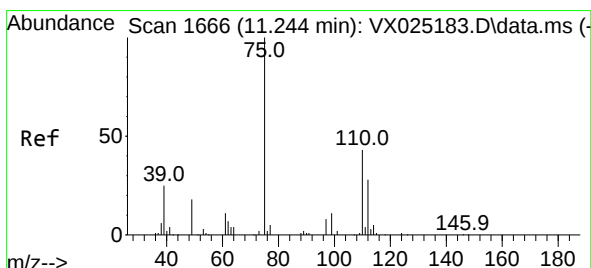
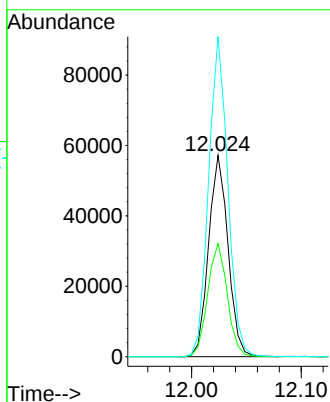
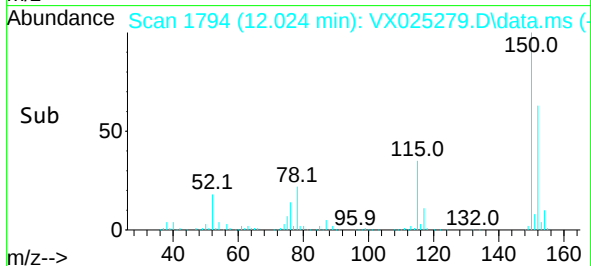


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

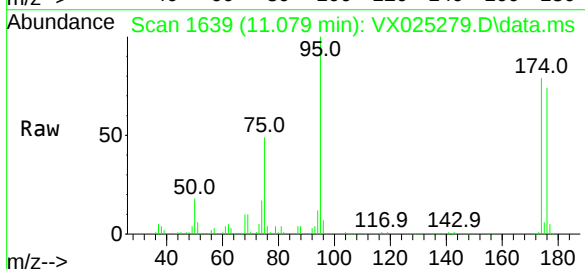
Instrument :
MSVOA_X
ClientSampleId :



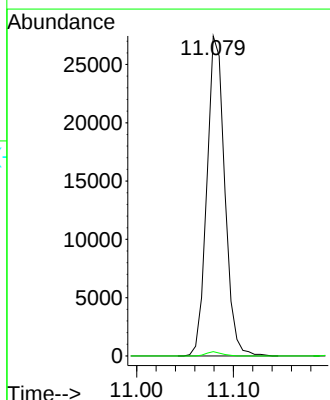
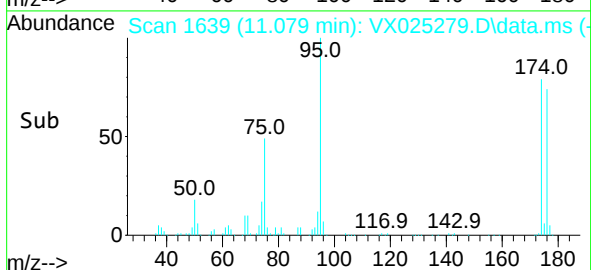
Tgt Ion:152 Resp: 70494
Ion Ratio Lower Upper
152 100
115 56.6 43.3 129.8
150 157.0 0.0 351.2

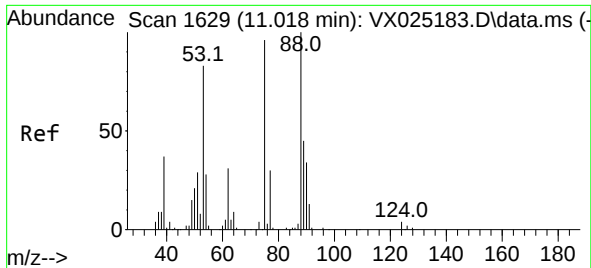


#76
1,2,3-Trichloropropane
Concen: 24.401 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05



Tgt Ion: 75 Resp: 35225
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#

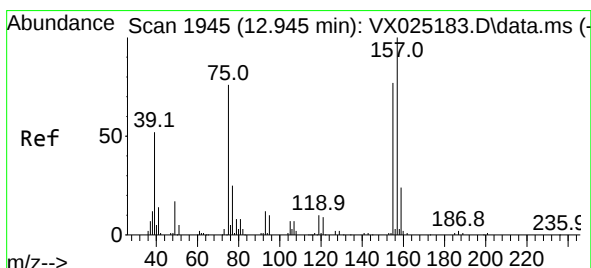
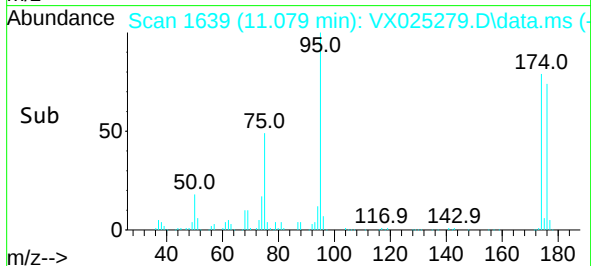
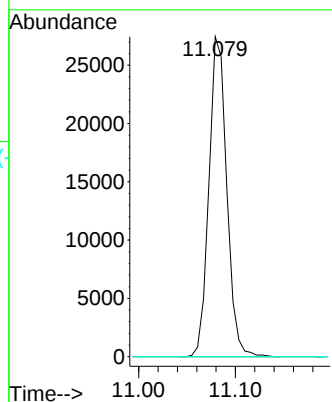
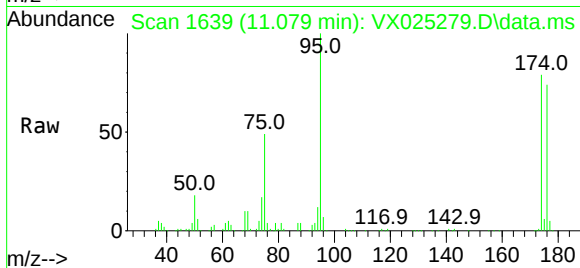




#81
trans-1,4-Dichloro-2-butene
Concen: 61.471 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

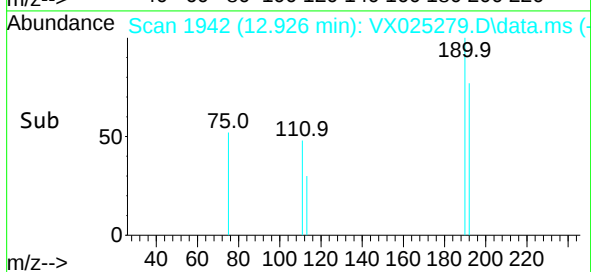
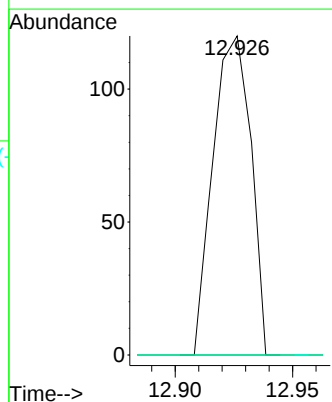
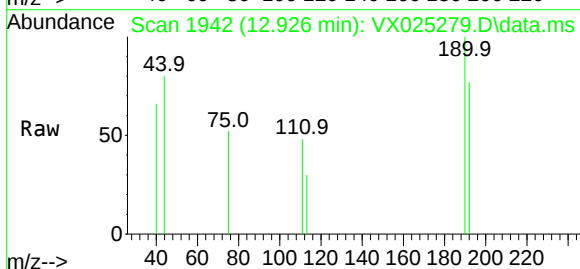
Instrument :
MSVOA_X
ClientSampleId :

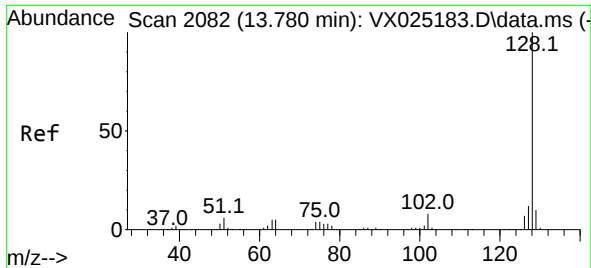
Tgt Ion: 75 Resp: 35225
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.398 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. -0.019 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

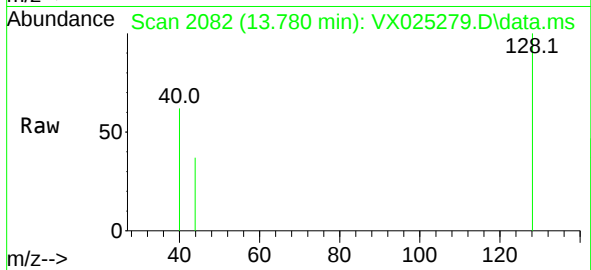
Tgt Ion: 75 Resp: 135
Ion Ratio Lower Upper
75 100
155 0.0 43.1 129.3#
157 0.0 53.6 160.9#





#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025279.D
Acq: 23 Nov 2021 17:05

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 478
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

