

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025815.D
 Acq On : 15 Dec 2021 15:28
 Operator : JC/MD
 Sample : M4988-01DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 16 07:29:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

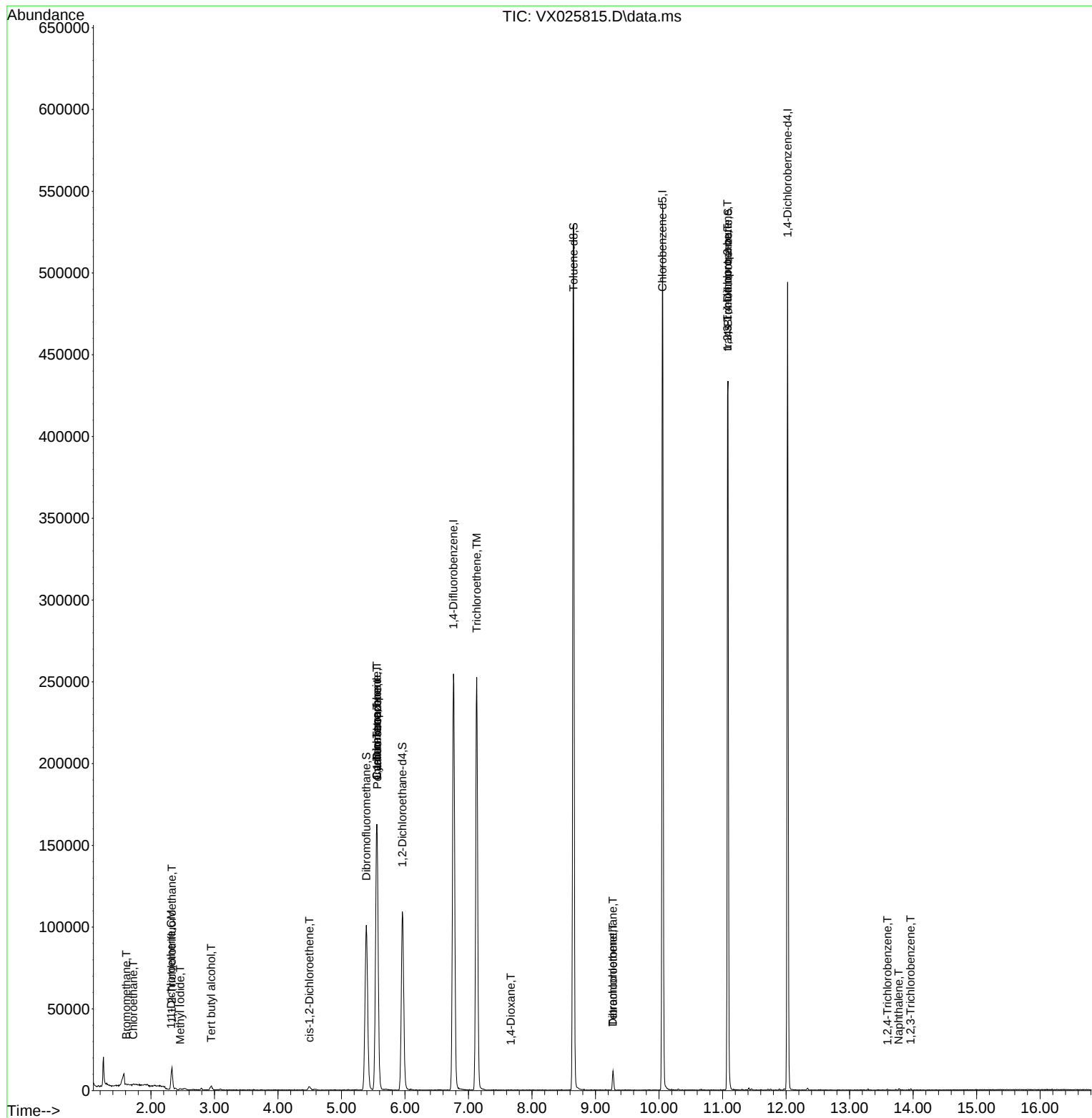
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	154851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	268915	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103626	46.510	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.020%
35) Dibromofluoromethane	5.391	113	85936	45.822	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.640%
50) Toluene-d8	8.653	98	311310	45.558	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.120%#
62) 4-Bromofluorobenzene	11.085	95	117958	45.444	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.880%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	300	0.219	ug/l	90
6) Chloroethane	1.721	64	459	0.330	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	4399	2.668	ug/l	96
10) Methyl Iodide	2.459	142	773	0.368	ug/l #	92
11) Tert butyl alcohol	2.946	59	1576	3.526	ug/l #	73
12) 1,1-Dichloroethene	2.318	96	1059	0.646	ug/l #	81
16) Acetone	2.379	43	929	Below Cal		90
20) Methylene Chloride	2.800	84	411	Below Cal	#	60
27) cis-1,2-Dichloroethene	4.495	96	1310	0.604	ug/l	97
31) Cyclohexane	5.556	56	3510	1.295	ug/l #	25
36) 1,1-Dichloropropene	5.556	75	12490	4.911	ug/l #	50
38) Carbon Tetrachloride	5.556	117	16128	5.450	ug/l #	16
44) Trichloroethene	7.129	130	98579	46.672	ug/l	98
49) 1,4-Dioxane	7.665	88	98	2.094	ug/l #	75
60) Dibromochloromethane	9.275	129	2019	0.858	ug/l #	11
64) Tetrachloroethene	9.275	164	2062	1.070	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	60754	26.398	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	60754	81.840	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.597	180	304	3.512	ug/l #	83
95) Naphthalene	13.774	128	742	2.514	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	269	3.121	ug/l #	76

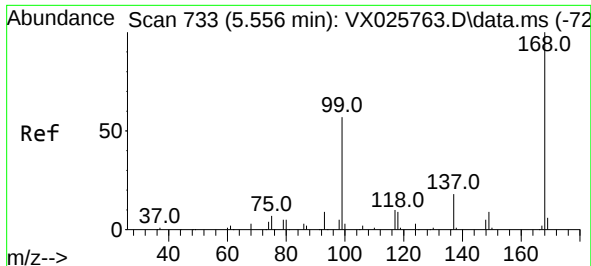
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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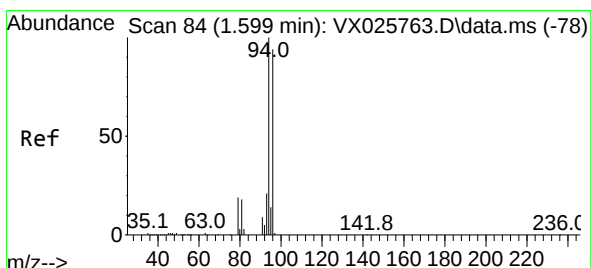
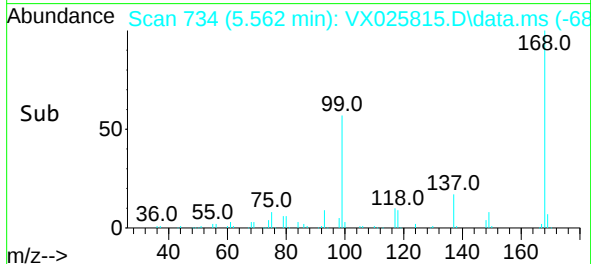
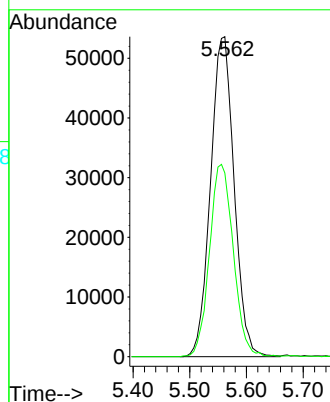
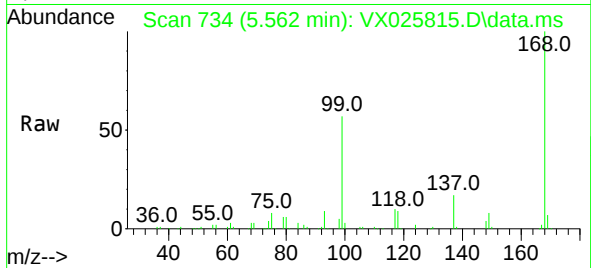




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

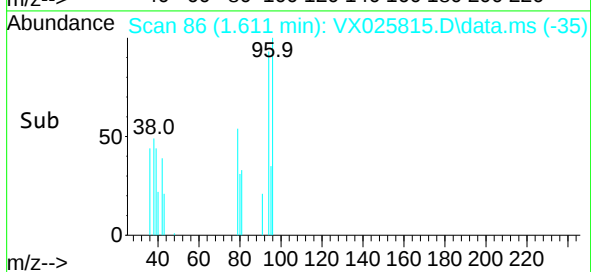
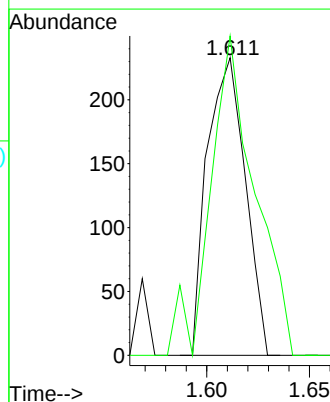
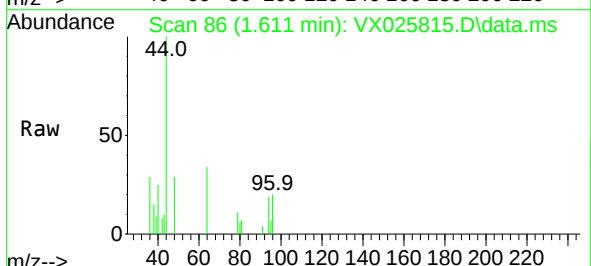
Instrument :
MSVOA_X
ClientSampleId :

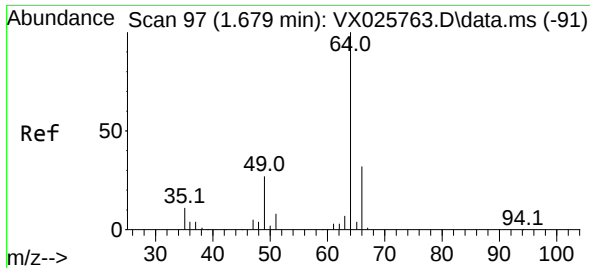
Tgt Ion:168 Resp: 154851
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.8



#5
Bromomethane
Concen: 0.219 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

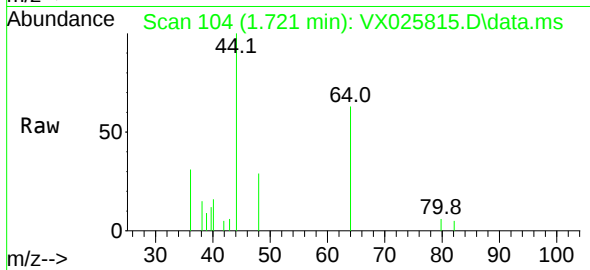
Tgt Ion: 94 Resp: 300
Ion Ratio Lower Upper
94 100
96 83.7 75.0 112.4



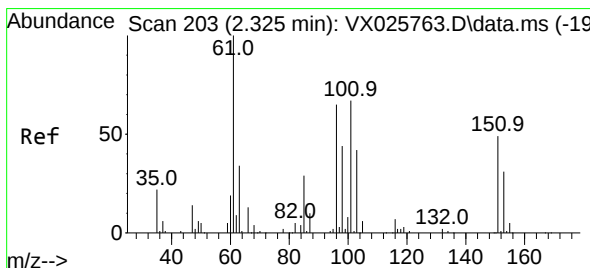
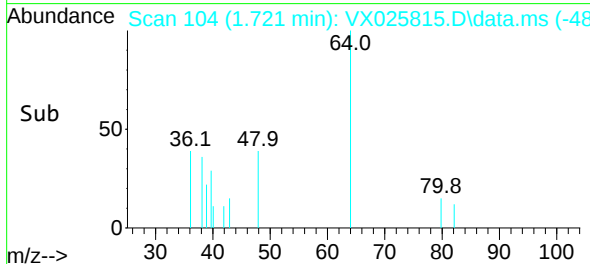
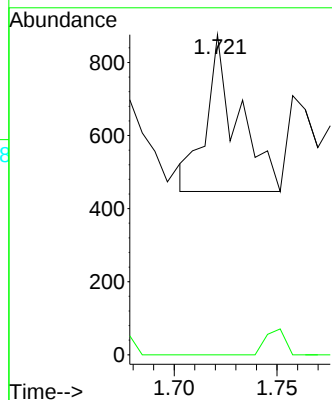


#6
Chloroethane
Concen: 0.330 ug/l
RT: 1.721 min Scan# 104
Delta R.T. 0.042 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Instrument :
MSVOA_X
ClientSampleId :

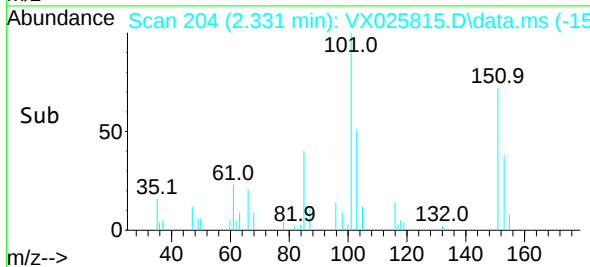
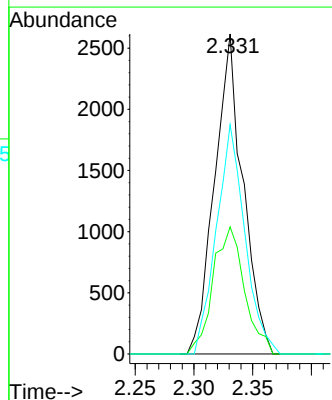
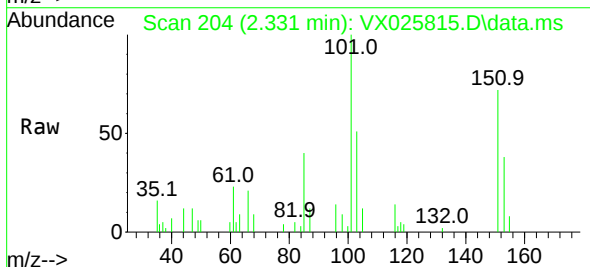


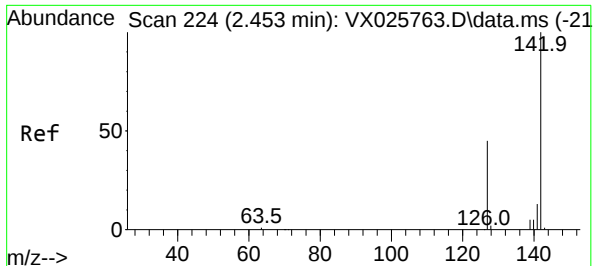
Tgt Ion: 64 Resp: 459
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.668 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

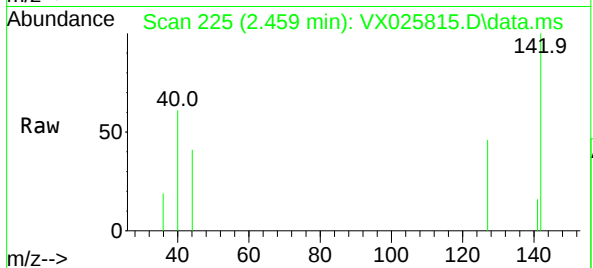
Tgt Ion: 101 Resp: 4399
Ion Ratio Lower Upper
101 100
85 43.9 36.5 54.7
151 72.1 60.6 90.8



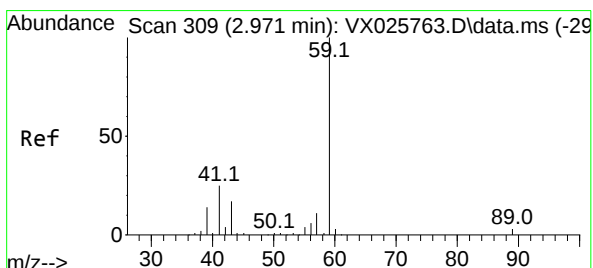
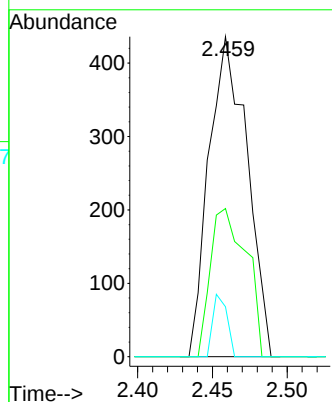
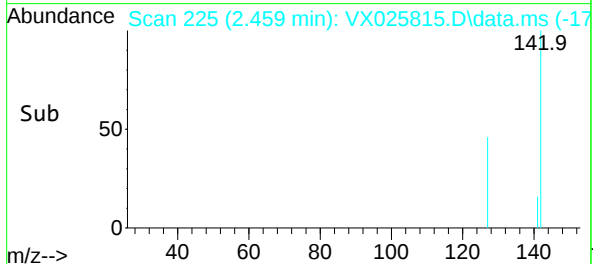


#10
Methyl Iodide
Concen: 0.368 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Instrument :
MSVOA_X
ClientSampleId :

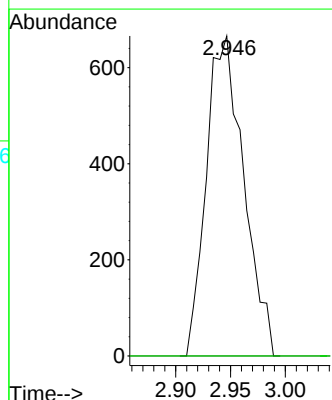
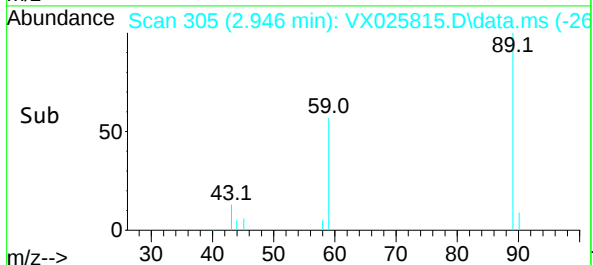
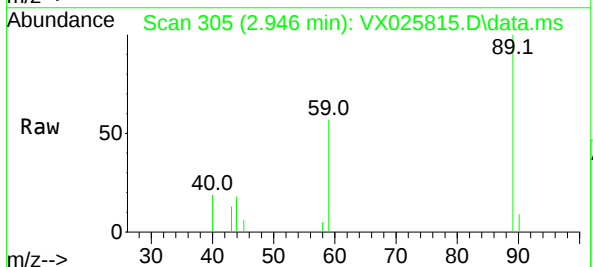


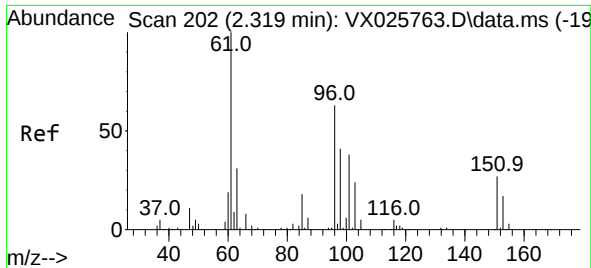
Tgt Ion:142 Resp: 773
Ion Ratio Lower Upper
142 100
127 43.6 37.5 56.3
141 7.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.526 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

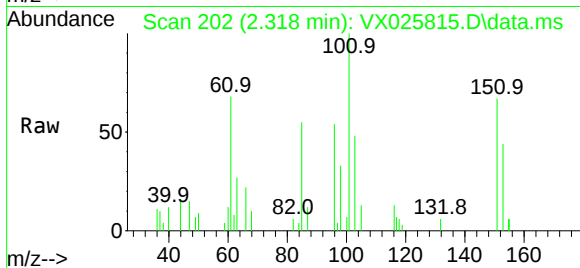
Tgt Ion: 59 Resp: 1576
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



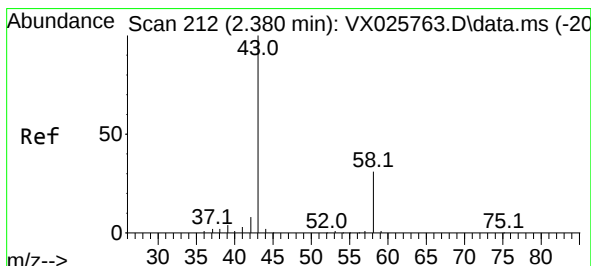
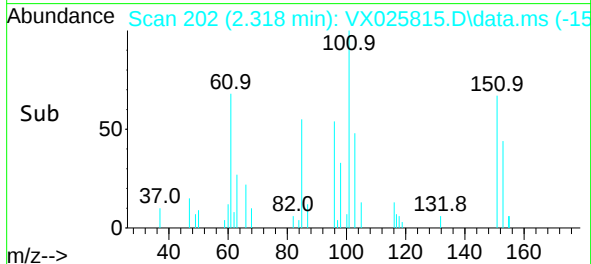
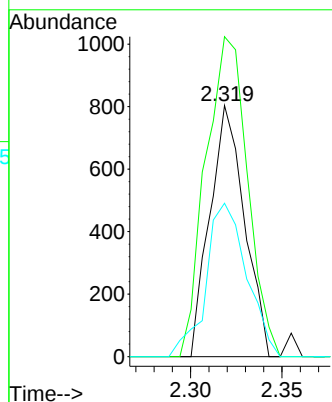


#12
 1,1-Dichloroethene
 Concen: 0.646 ug/l
 RT: 2.318 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX025815.D
 Acq: 15 Dec 2021 15:28

Instrument :
 MSVOA_X
 ClientSampleId :

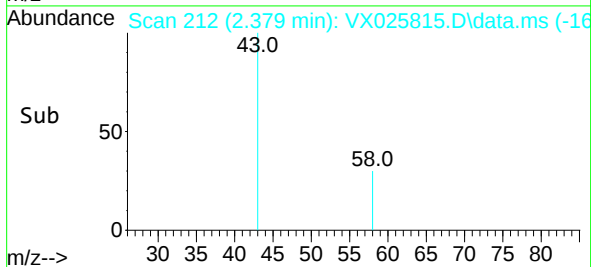
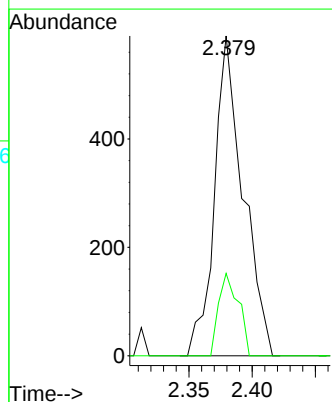
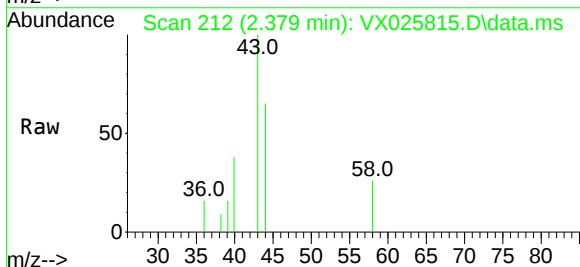


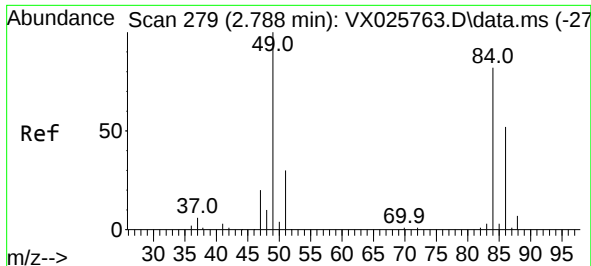
Tgt Ion: 96 Resp: 1059
 Ion Ratio Lower Upper
 96 100
 61 127.4 127.5 191.3#
 98 61.1 52.0 78.0



#16
 Acetone
 Concen: Below Cal
 RT: 2.379 min Scan# 212
 Delta R.T. -0.001 min
 Lab File: VX025815.D
 Acq: 15 Dec 2021 15:28

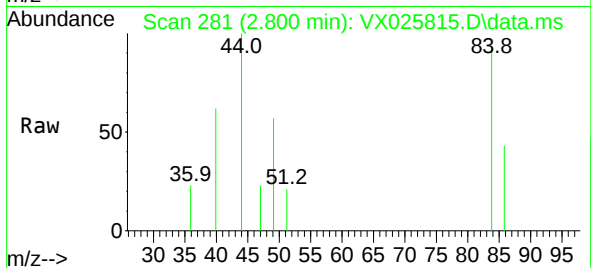
Tgt Ion: 43 Resp: 929
 Ion Ratio Lower Upper
 43 100
 58 25.8 24.8 37.2



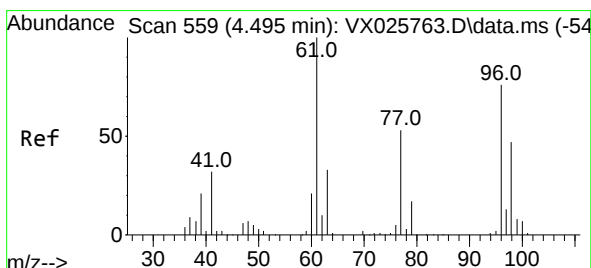
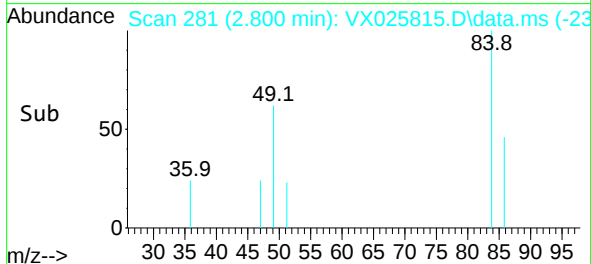
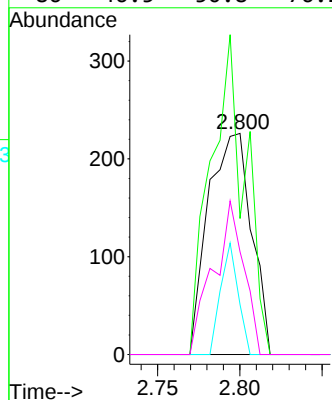


#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Instrument :
MSVOA_X
ClientSampleId :

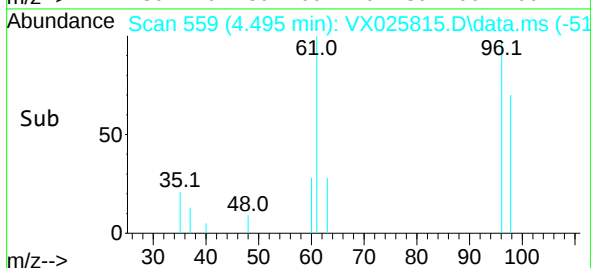
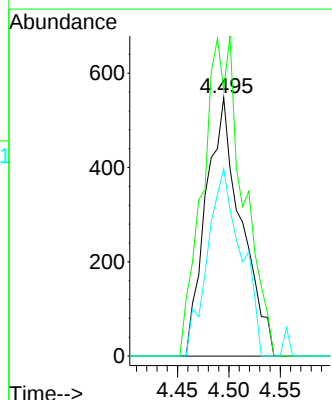
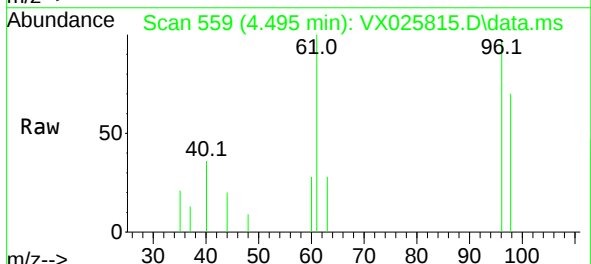


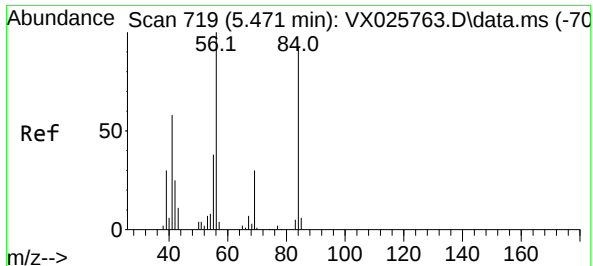
Tgt Ion:	84	Resp:	411
Ion	Ratio	Lower	Upper
84	100		
49	61.5	97.1	145.7#
51	22.6	29.3	43.9#
86	46.5	50.8	76.2#



#27
cis-1,2-Dichloroethene
Concen: 0.604 ug/l
RT: 4.495 min Scan# 559
Delta R.T. -0.000 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

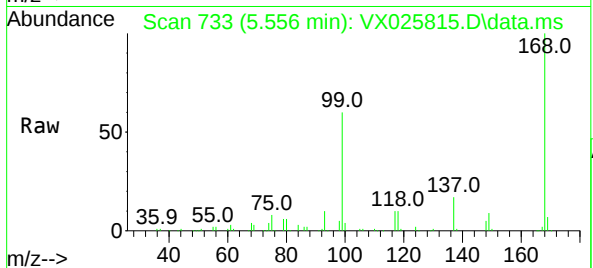
Tgt Ion:	96	Resp:	1310
Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	276.8
98	69.4	0.0	130.6



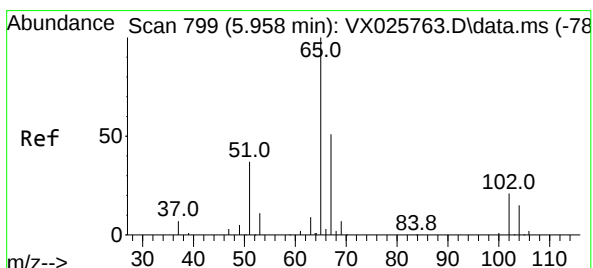
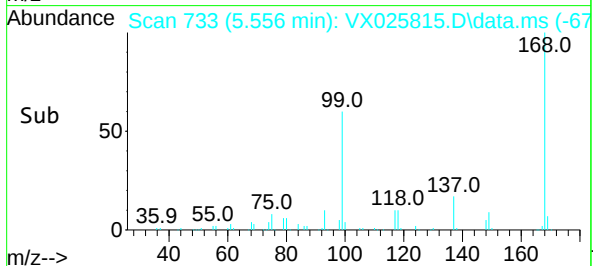
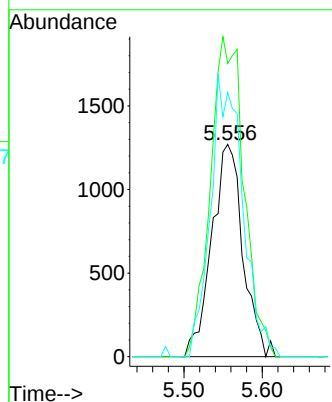


#31
Cyclohexane
Concen: 1.295 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

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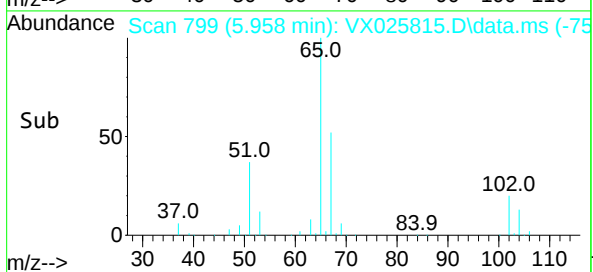
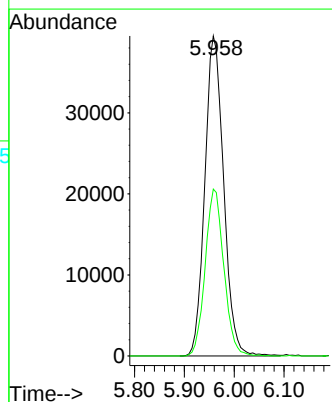
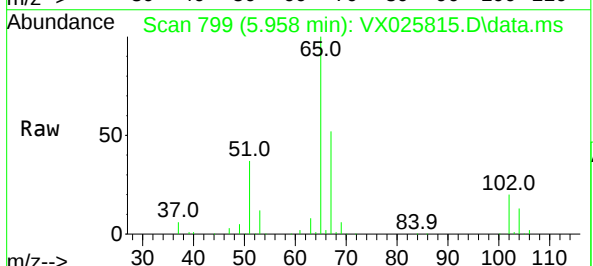


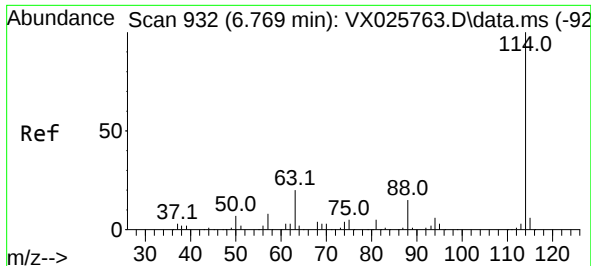
Tgt Ion: 56 Resp: 3510
Ion Ratio Lower Upper
56 100
69 138.0 23.9 35.9#
84 124.5 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 46.510 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Tgt Ion: 65 Resp: 103626
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4

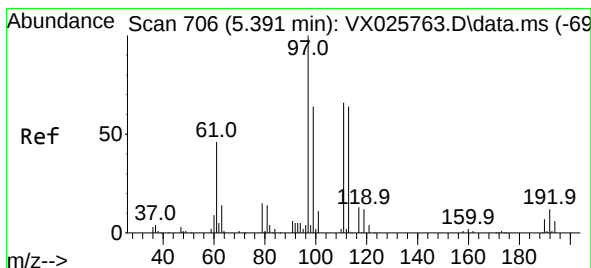
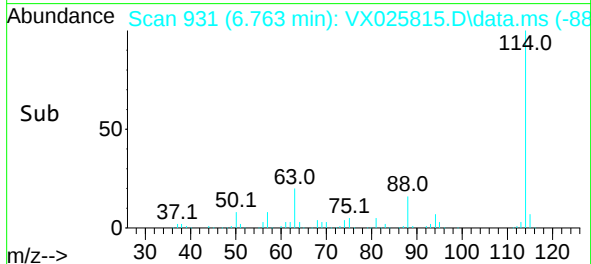
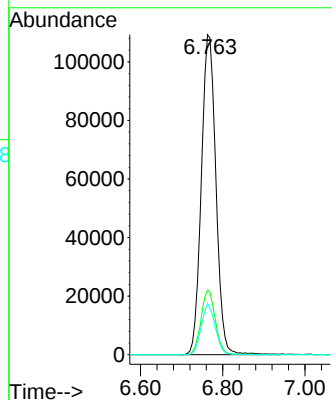
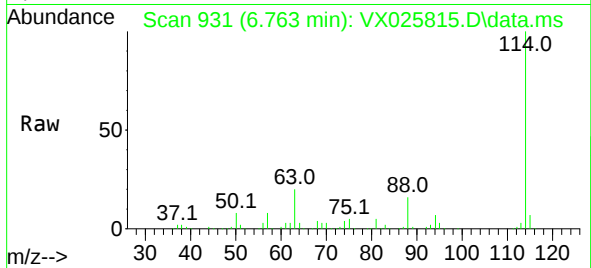




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

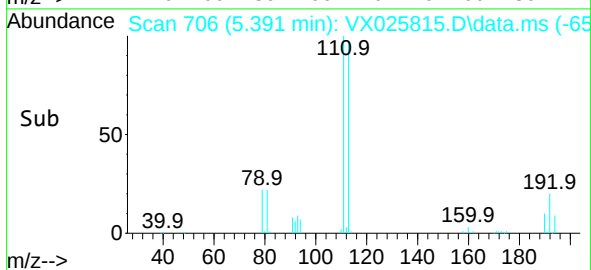
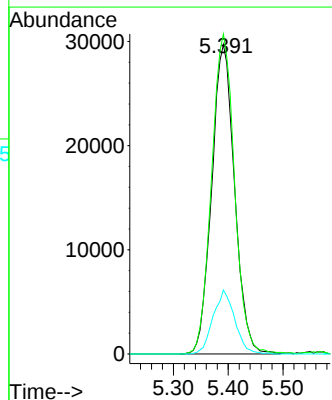
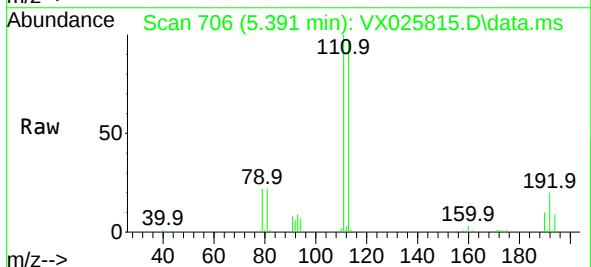
Instrument :
MSVOA_X
ClientSampleId :

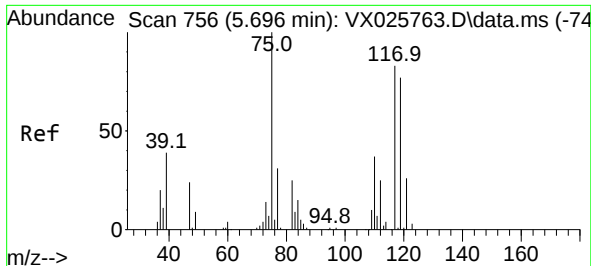
Tgt Ion:114 Resp: 268915
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.0
88 16.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.822 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

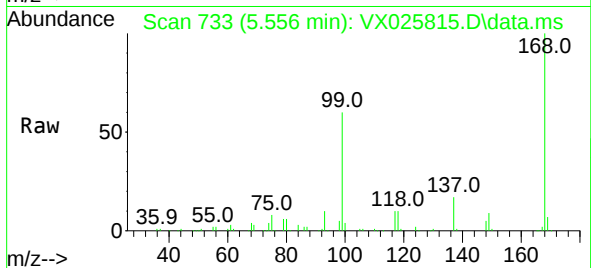
Tgt Ion:113 Resp: 85936
Ion Ratio Lower Upper
113 100
111 104.1 81.8 122.8
192 19.6 15.0 22.4



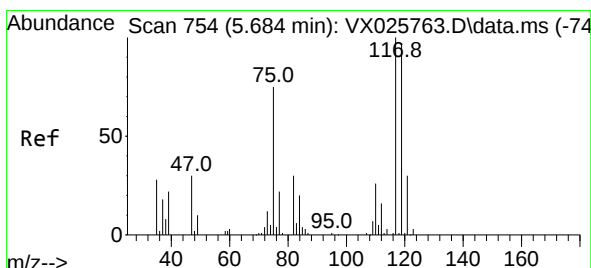
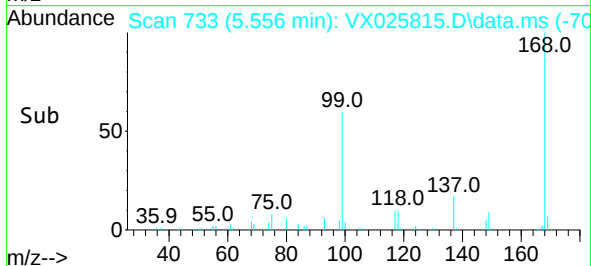
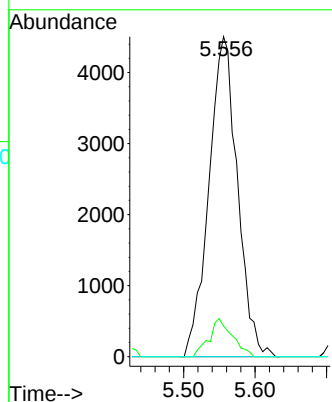


#36
1,1-Dichloropropene
Concen: 4.911 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Instrument :
MSVOA_X
ClientSampleId :

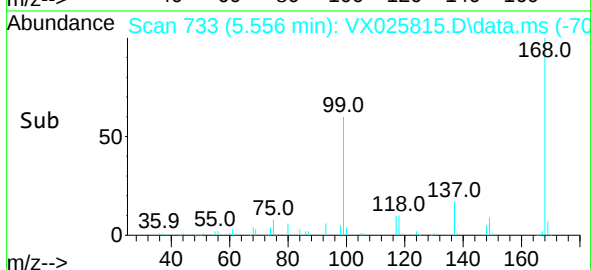
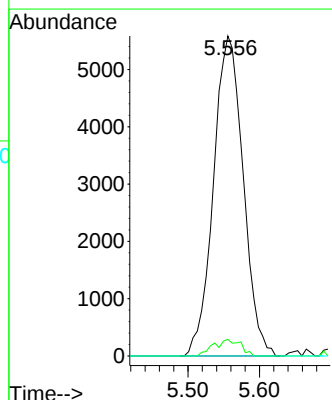
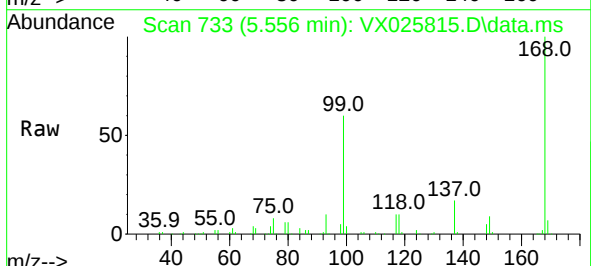


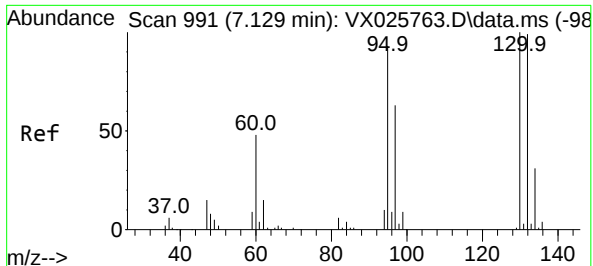
Tgt Ion: 75 Resp: 12490
Ion Ratio Lower Upper
75 100
110 9.7 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.450 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Tgt Ion: 117 Resp: 16128
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 23.8 35.8#

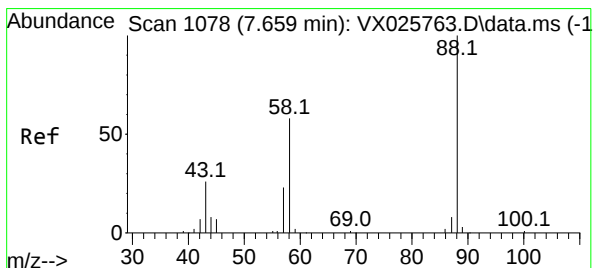
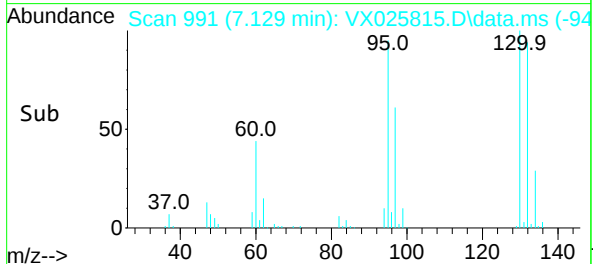
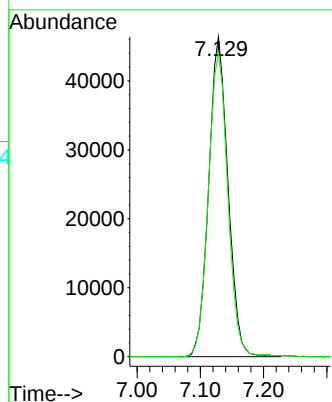
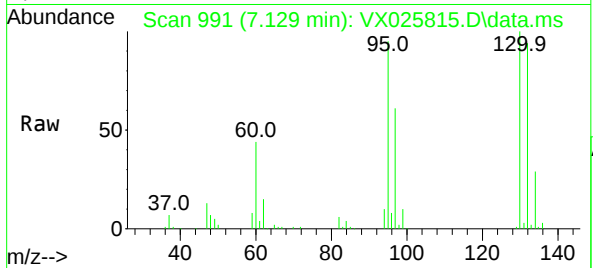




#44
Trichloroethene
Concen: 46.672 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

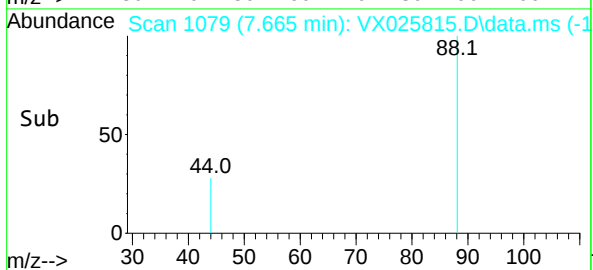
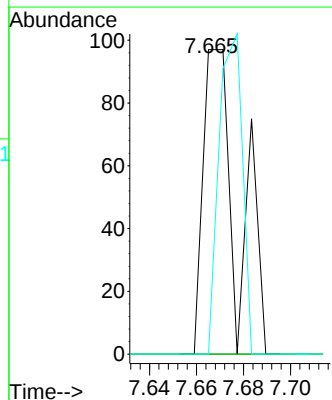
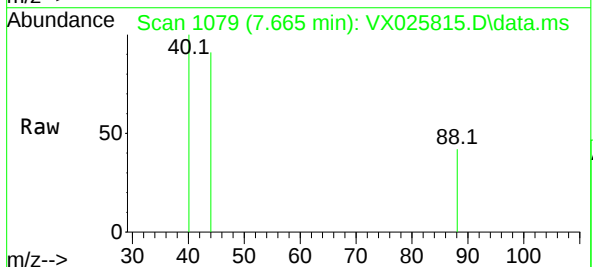
Instrument :
MSVOA_X
ClientSampleId :

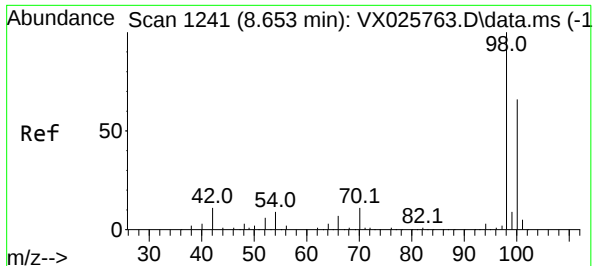
Tgt Ion:130 Resp: 98579
Ion Ratio Lower Upper
130 100
95 95.0 0.0 186.4



#49
1,4-Dioxane
Concen: 2.094 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Tgt Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 72.4 51.8 77.6

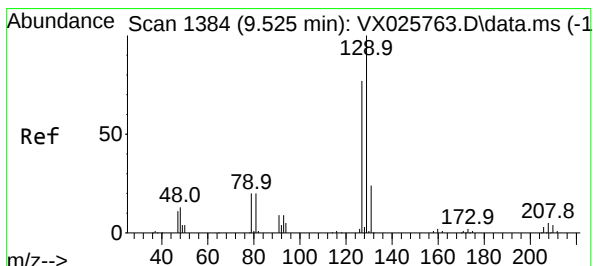
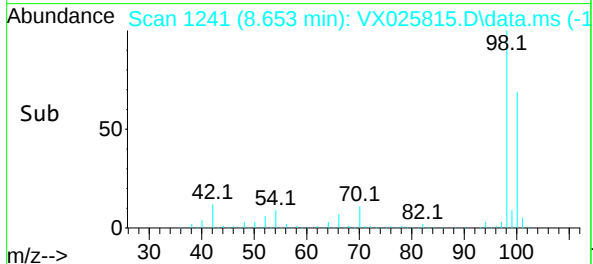
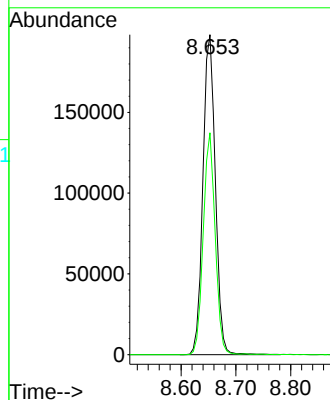
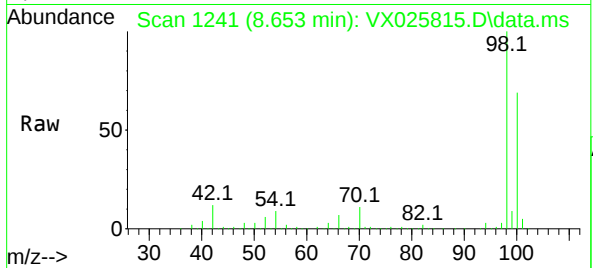




#50
Toluene-d8
Concen: 45.558 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

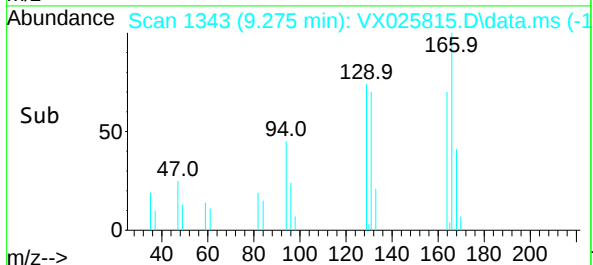
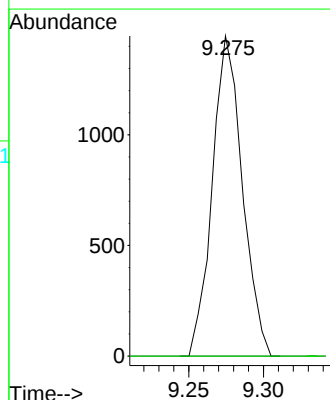
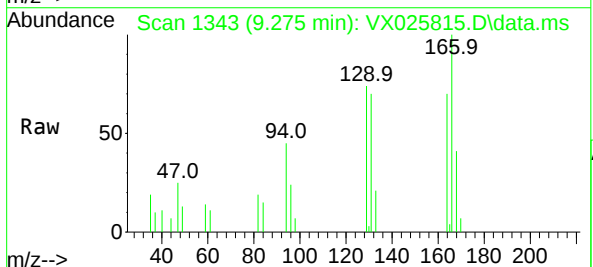
Instrument :
MSVOA_X
ClientSampleId :

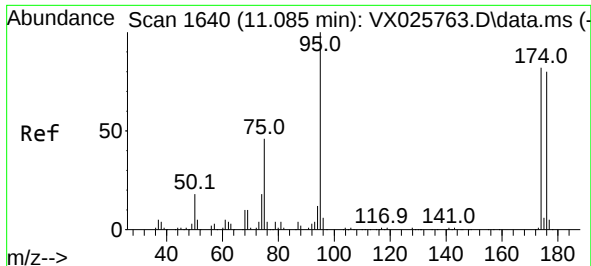
Tgt Ion: 98 Resp: 311310
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



#60
Dibromochloromethane
Concen: 0.858 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Tgt Ion:129 Resp: 2019
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#

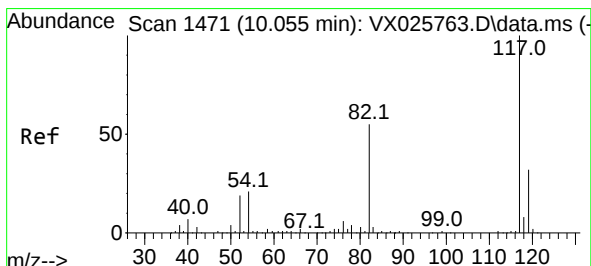
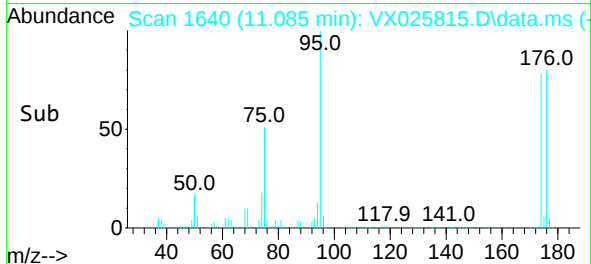
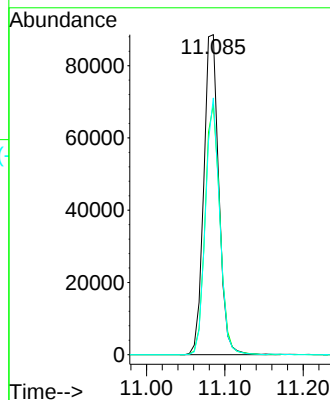
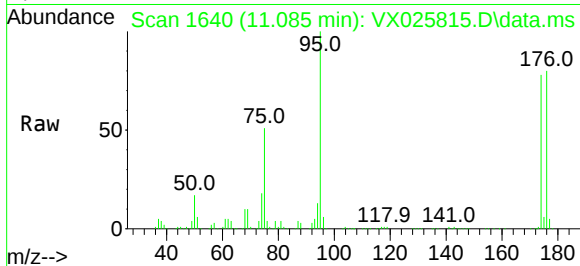




#62
4-Bromofluorobenzene
Concen: 45.444 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

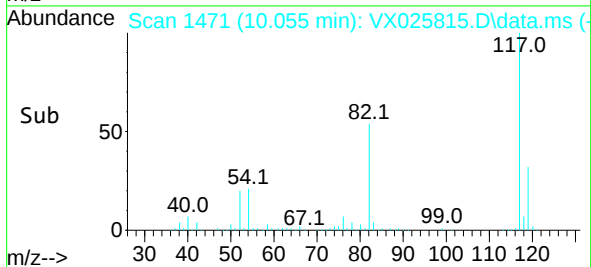
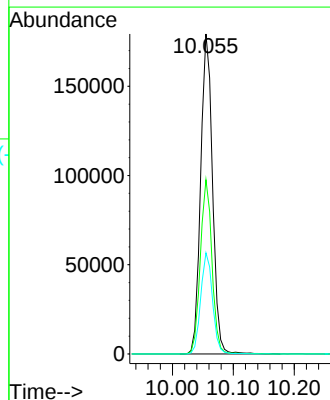
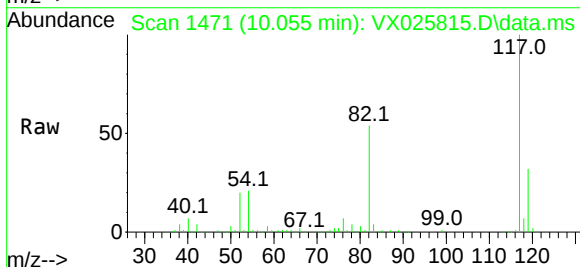
Instrument :
MSVOA_X
ClientSampleId :

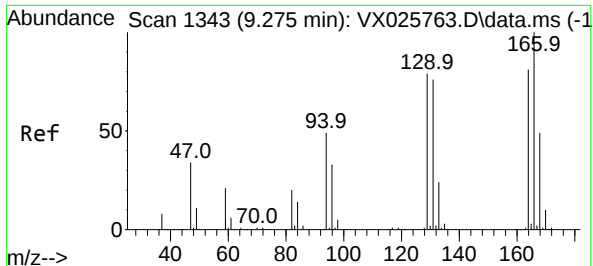
Tgt Ion: 95 Resp: 117958
Ion Ratio Lower Upper
95 100
174 77.0 0.0 157.4
176 75.8 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

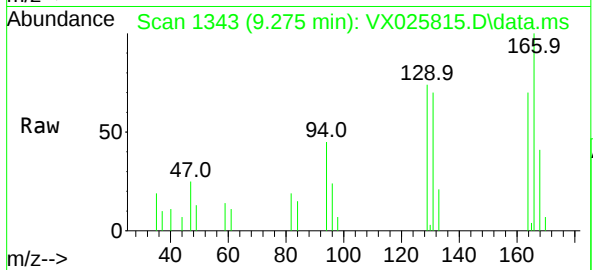
Tgt Ion: 117 Resp: 241549
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.6
119 31.6 25.2 37.8



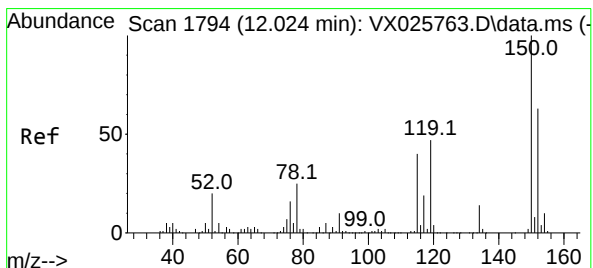
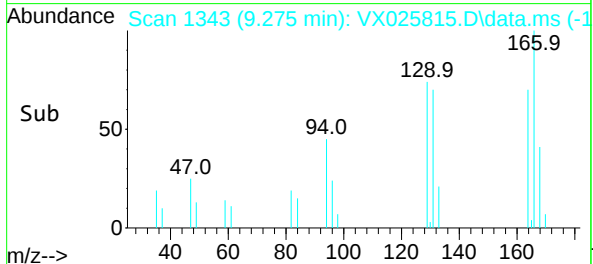
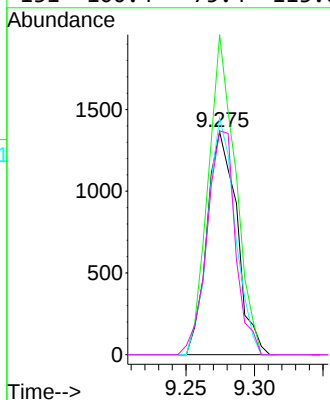


#64
Tetrachloroethene
Concen: 1.070 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Instrument :
MSVOA_X
ClientSampleId :

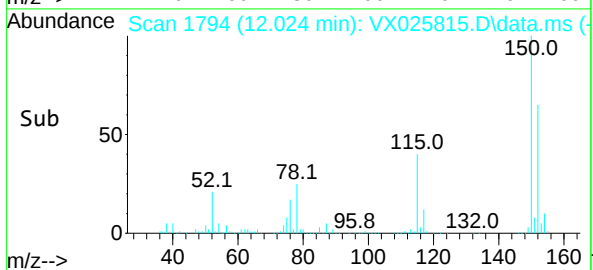
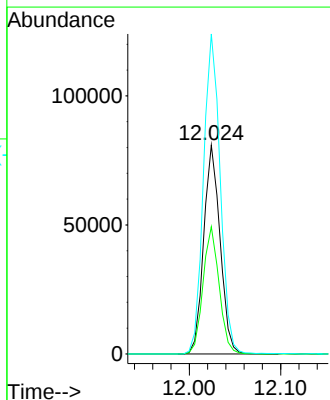
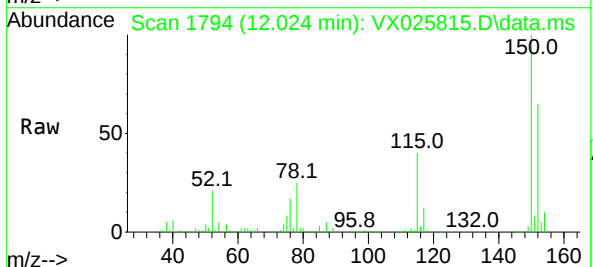


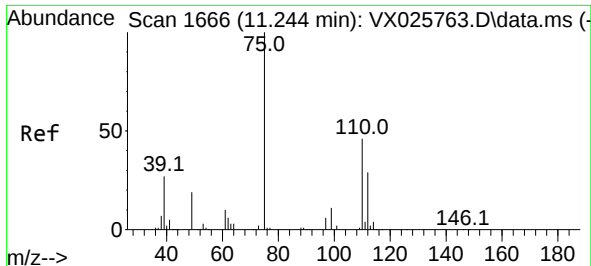
Tgt Ion:	164	Resp:	2062
Ion	Ratio	Lower	Upper
164	100		
166	143.5	99.4	149.0
129	106.1	78.6	118.0
131	100.4	75.4	113.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Tgt Ion:	152	Resp:	100450
Ion	Ratio	Lower	Upper
152	100		
115	59.9	41.3	123.9
150	156.6	0.0	351.8

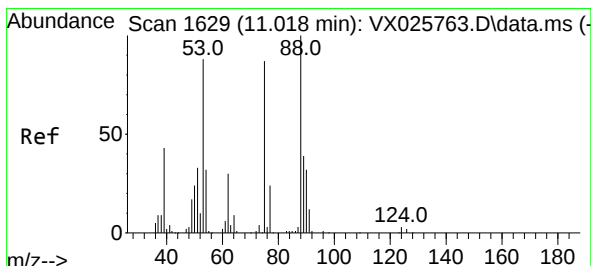
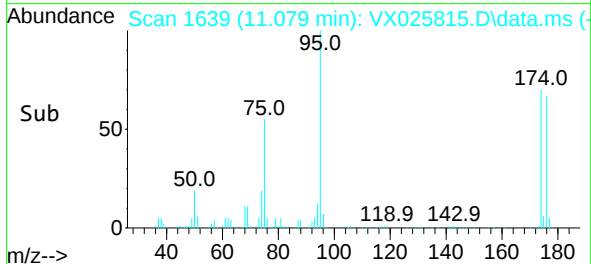
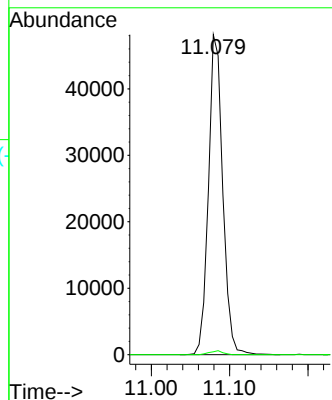
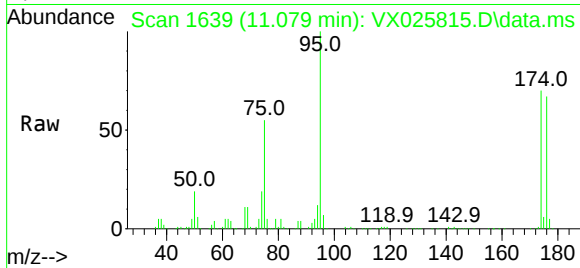




#76
1,2,3-Trichloropropane
Concen: 26.398 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

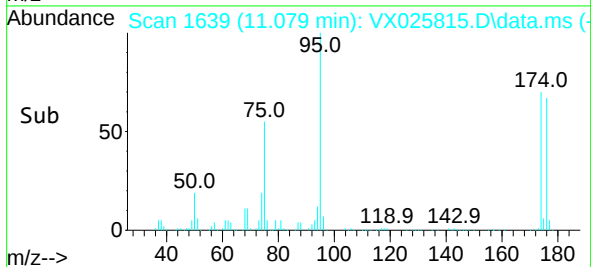
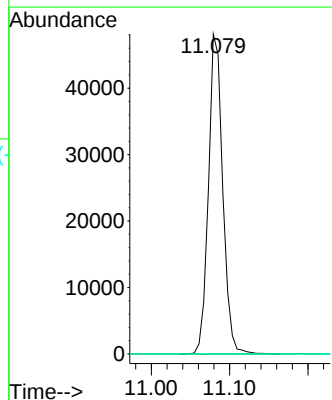
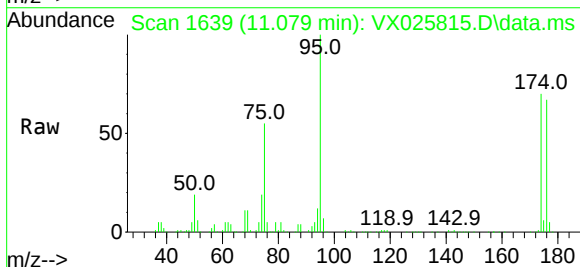
Instrument :
MSVOA_X
ClientSampleId :

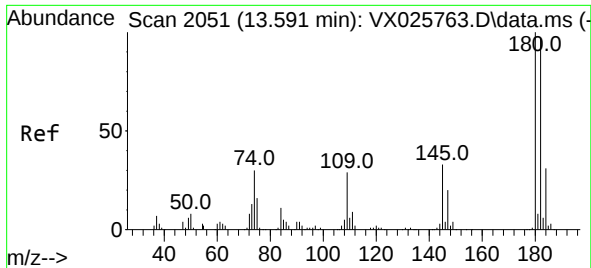
Tgt Ion: 75 Resp: 60754
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.840 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

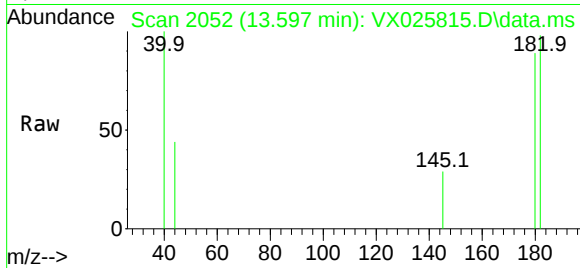
Tgt Ion: 75 Resp: 60754
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



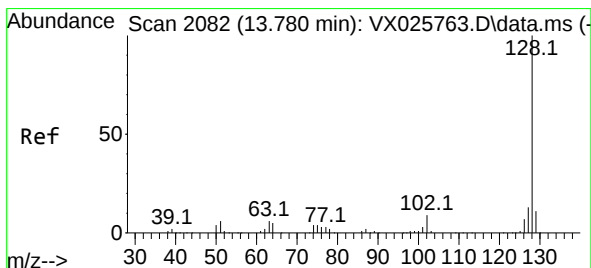
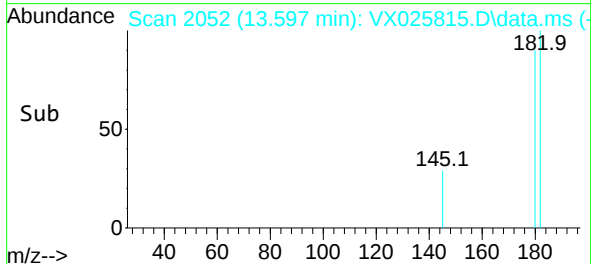
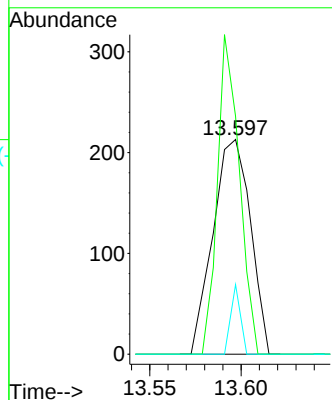


#93
1,2,4-Trichlorobenzene
Concen: 3.512 ug/l
RT: 13.597 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Instrument :
MSVOA_X
ClientSampleId :

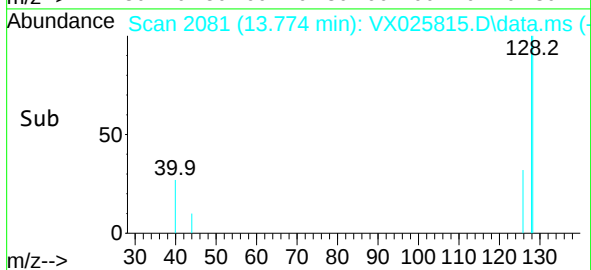
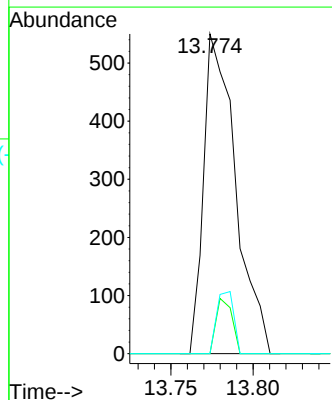
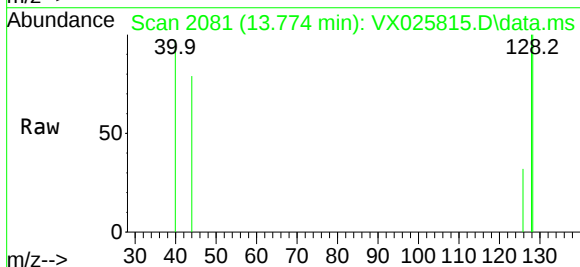


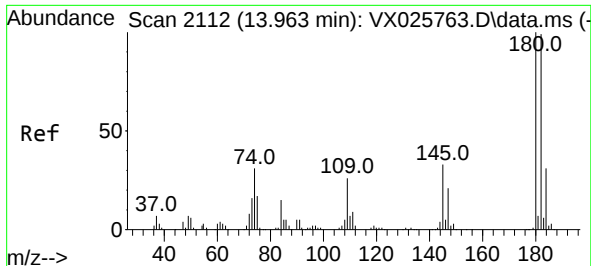
Tgt Ion:180 Resp: 304
Ion Ratio Lower Upper
180 100
182 86.8 47.2 141.6
145 8.2 16.3 48.9#



#95
Naphthalene
Concen: 2.514 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX025815.D
Acq: 15 Dec 2021 15:28

Tgt Ion:128 Resp: 742
Ion Ratio Lower Upper
128 100
127 8.6 10.3 15.5#
129 10.2 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 3.121 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

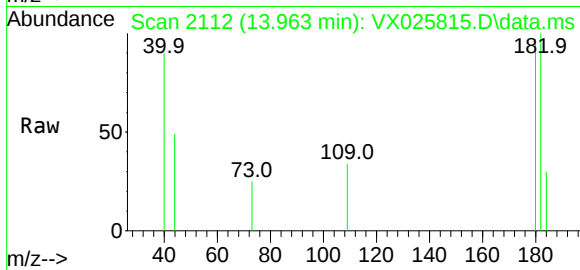
Lab File: VX025815.D

Acq: 15 Dec 2021 15:28

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 269

Ion Ratio Lower Upper

180 100

182 111.2 47.5 142.6

145 8.2 16.7 50.1#

