

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041222\
 Data File : VX028060.D
 Acq On : 12 Apr 2022 16:47
 Operator : JC/MD
 Sample : N2334-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB040622

Quant Time: Apr 13 01:13:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

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

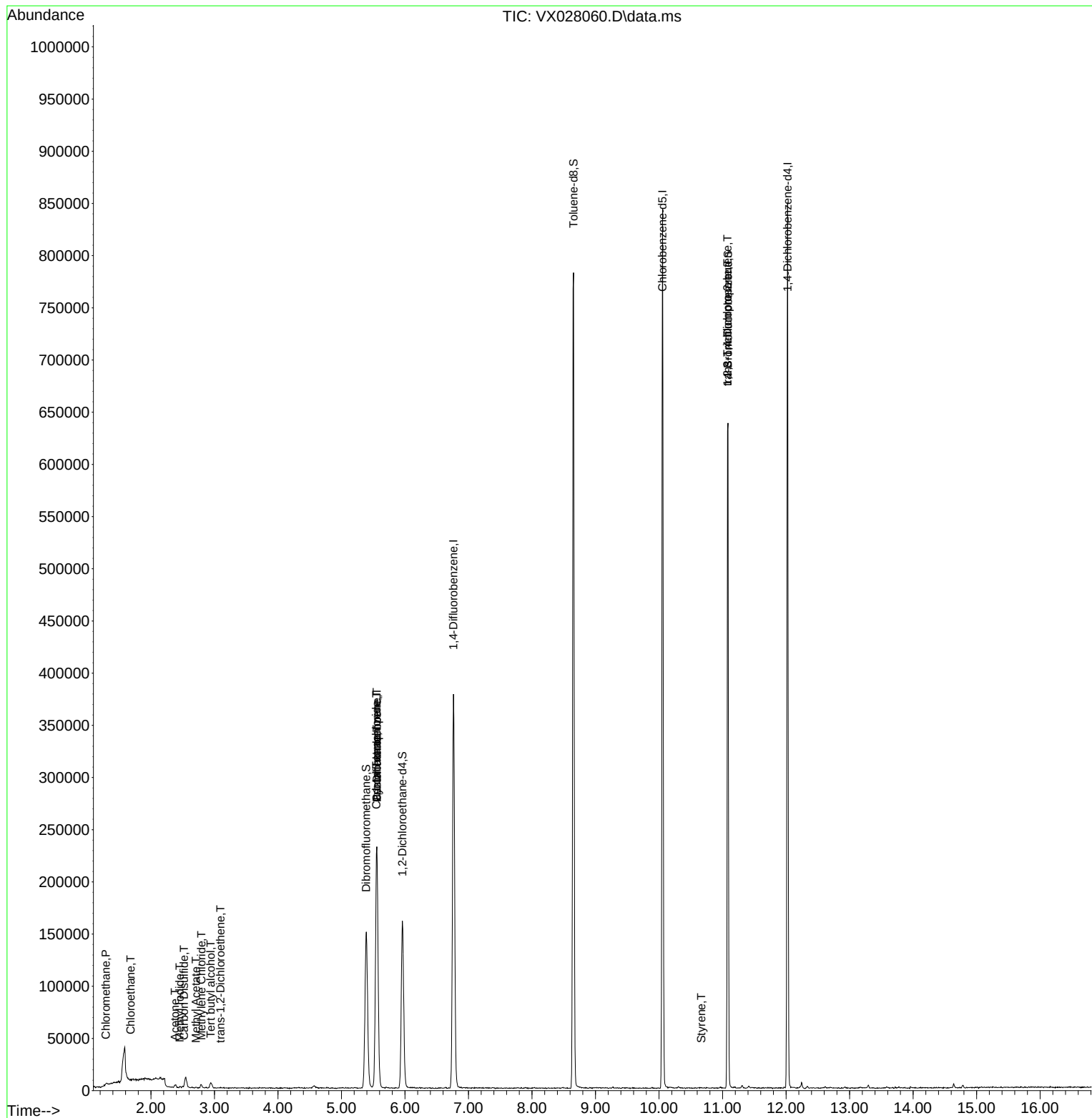
Internal Standards						
1) Pentafluorobenzene	5.556	168	223147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	383749	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145837	48.173	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.340%		
35) Dibromofluoromethane	5.385	113	124571	49.539	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.080%		
50) Toluene-d8	8.653	98	466016	49.691	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.380%		
62) 4-Bromofluorobenzene	11.085	95	154301	44.065	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.140%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	556	0.232	ug/l	97
6) Chloroethane	1.679	64	154	2.664	ug/l #	60
10) Methyl Iodide	2.453	142	842	0.321	ug/l #	87
11) Tert butyl alcohol	2.940	59	2974	4.232	ug/l #	72
13) Acrolein	2.239	56	48	Below Cal	#	15
16) Acetone	2.380	43	2944	2.334	ug/l	94
17) Carbon Disulfide	2.520	76	1163	0.201	ug/l #	75
18) Methyl Acetate	2.709	43	725	0.215	ug/l #	59
20) Methylene Chloride	2.794	84	1344	0.535	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	574	0.218	ug/l #	33
31) Cyclohexane	5.556	56	5111	1.228	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	16906	4.405	ug/l #	50
38) Carbon Tetrachloride	5.550	117	21379	5.218	ug/l #	15
70) Styrene	10.665	104	120	4.714	ug/l #	67
76) 1,2,3-Trichloropropane	11.079	75	86981	24.333	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	86981	68.533	ug/l #	15

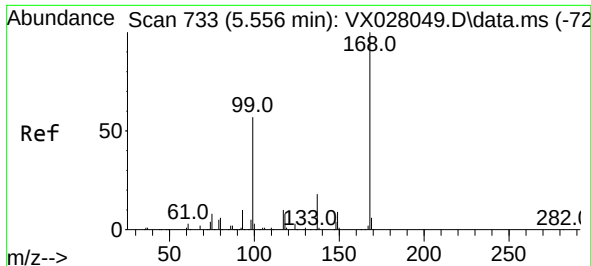
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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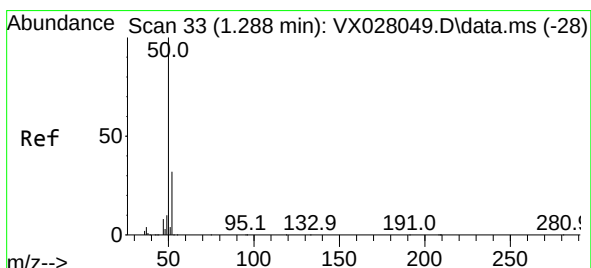
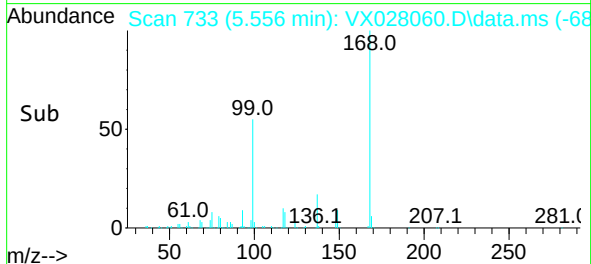
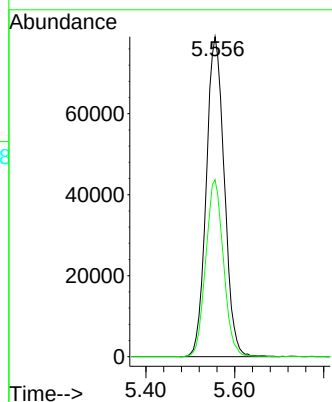
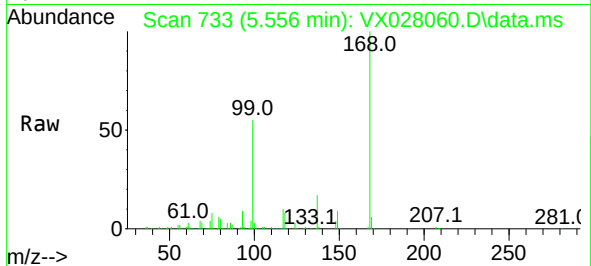




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

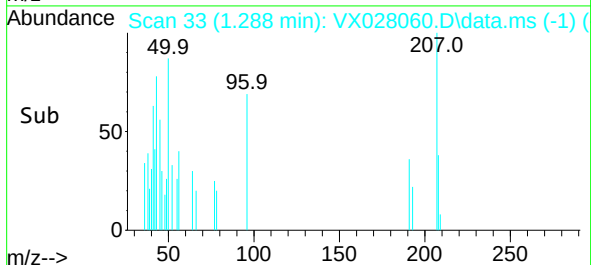
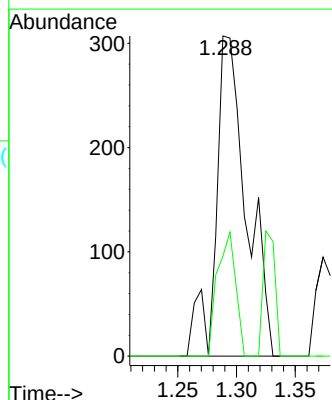
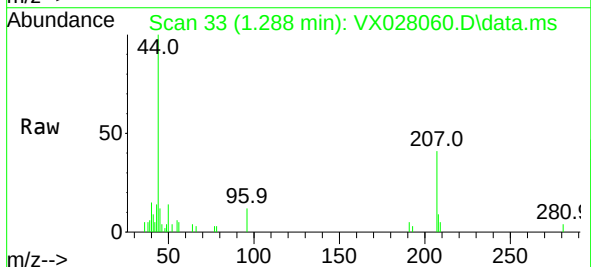
Instrument :
MSVOA_X
ClientSampleId :
FB040622

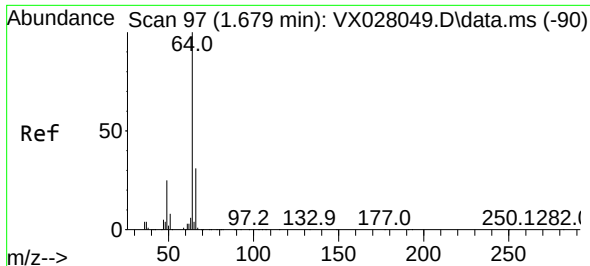
Tgt Ion:168 Resp: 223147
Ion Ratio Lower Upper
168 100
99 55.3 41.7 62.5



#3
Chloromethane
Concen: 0.232 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

Tgt Ion: 50 Resp: 556
Ion Ratio Lower Upper
50 100
52 31.3 26.4 39.6

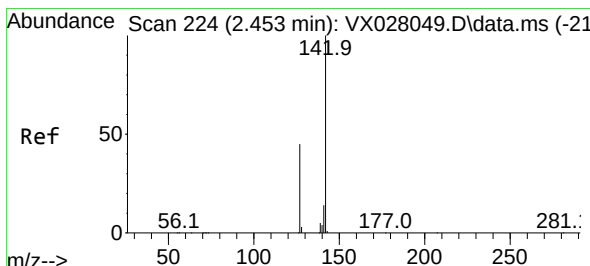
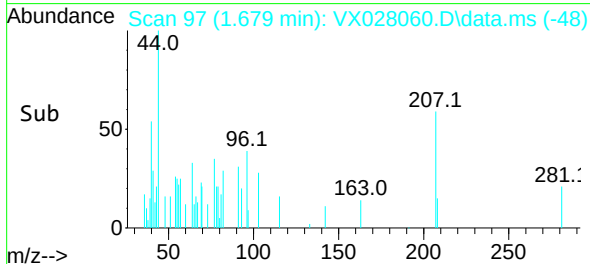
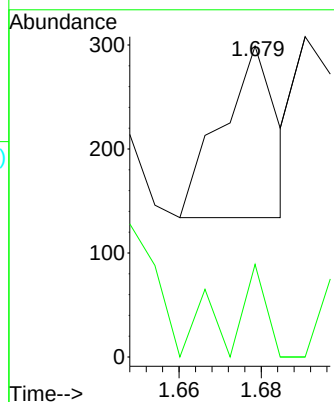
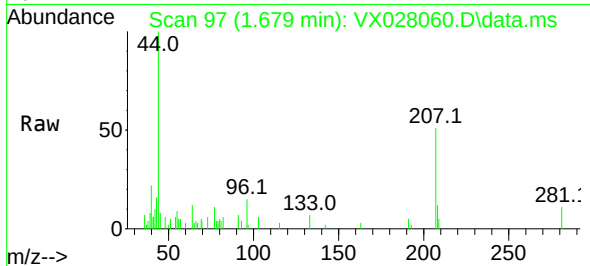




#6
Chloroethane
Concen: 2.664 ug/l
RT: 1.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

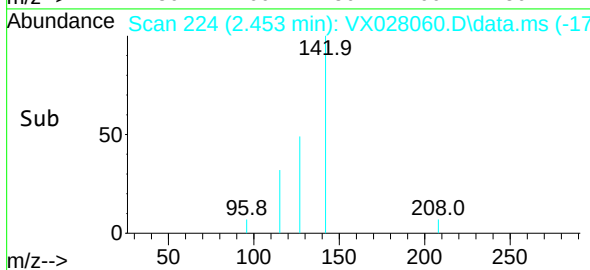
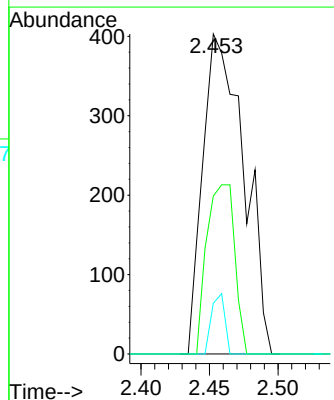
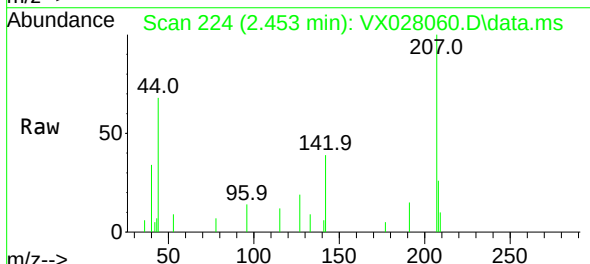
Instrument :
MSVOA_X
ClientSampleId :
FB040622

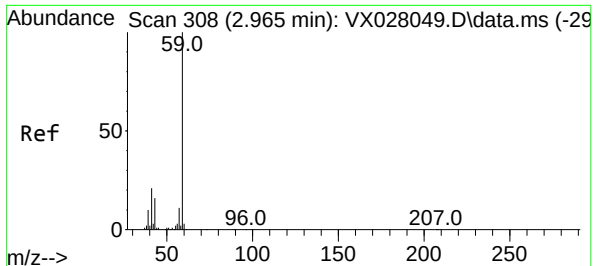
Tgt Ion: 64 Resp: 154
Ion Ratio Lower Upper
64 100
66 53.9 25.3 37.9#



#10
Methyl Iodide
Concen: 0.321 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

Tgt Ion: 142 Resp: 842
Ion Ratio Lower Upper
142 100
127 35.9 33.9 50.9
141 6.1 11.4 17.2#





#11

Tert butyl alcohol

Concen: 4.232 ug/l

RT: 2.940 min Scan# 308

Delta R.T. -0.025 min

Lab File: VX028060.D

Acq: 12 Apr 2022 16:47

Instrument :

MSVOA_X

ClientSampleId :

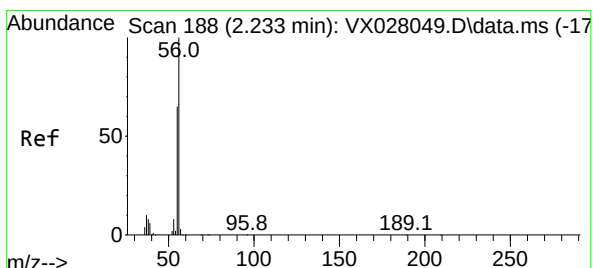
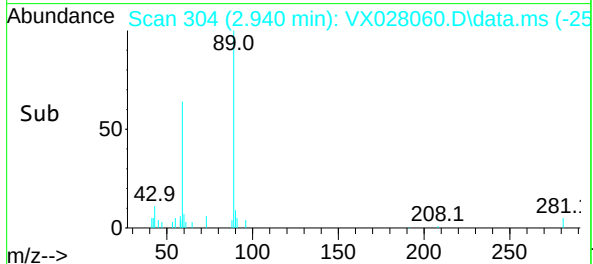
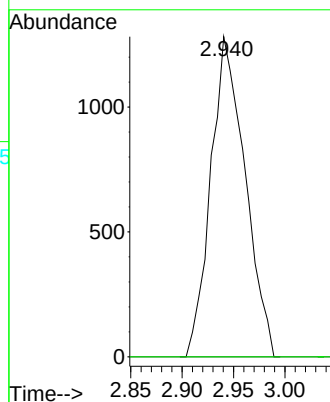
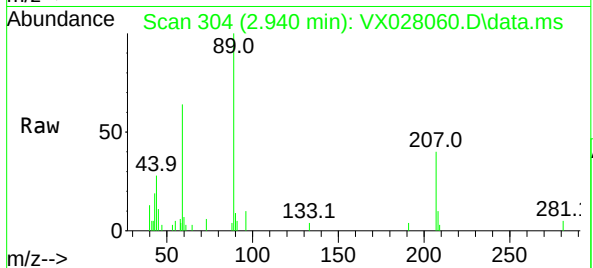
FB040622

Tgt Ion: 59 Resp: 2974

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX028060.D

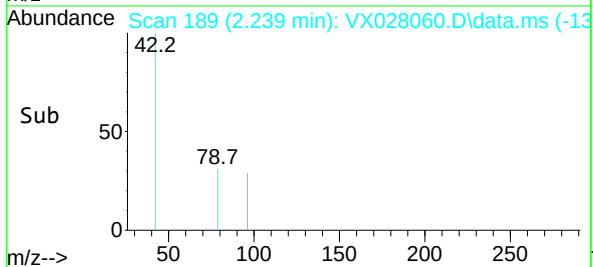
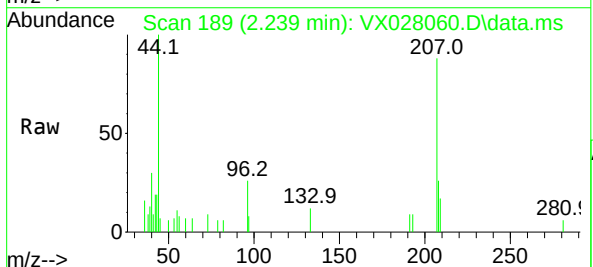
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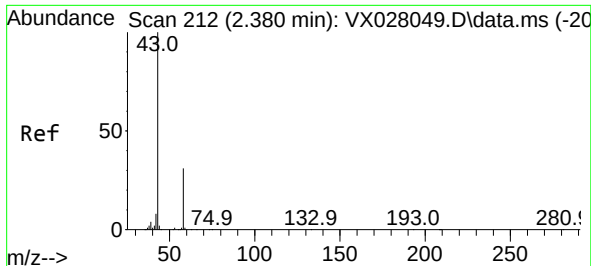
Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#

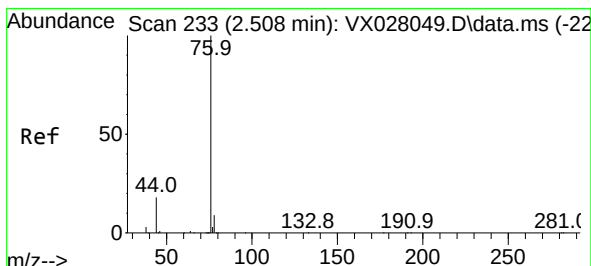
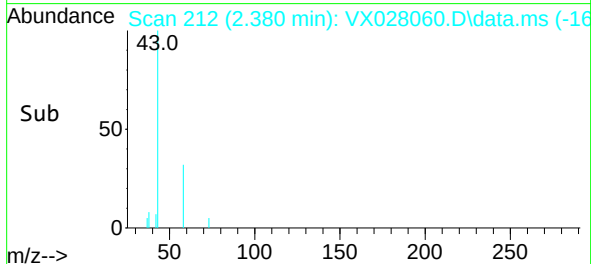
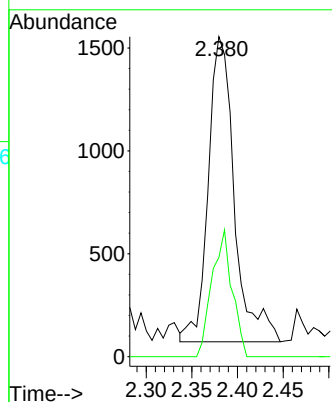
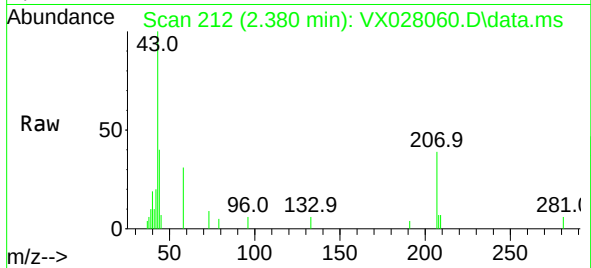




#16
Acetone
Concen: 2.334 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

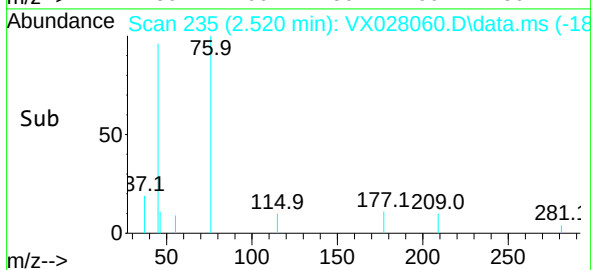
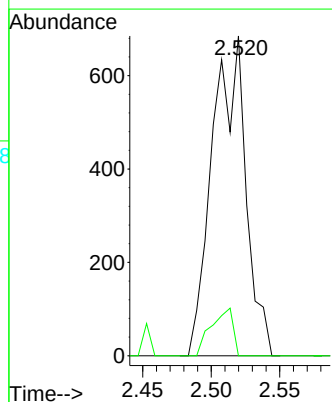
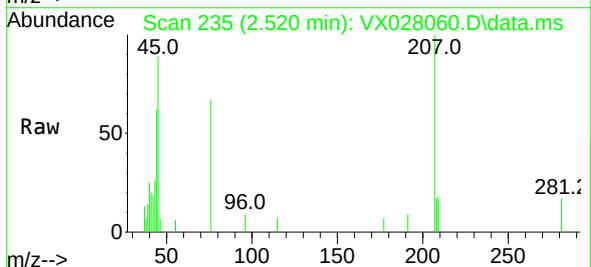
Instrument :
MSVOA_X
ClientSampleId :
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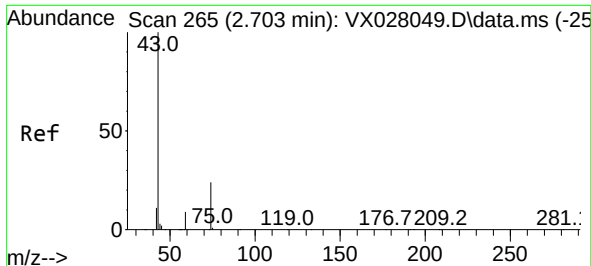
Tgt Ion: 43 Resp: 2944
Ion Ratio Lower Upper
43 100
58 32.6 28.8 43.2



#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.012 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

Tgt Ion: 76 Resp: 1163
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

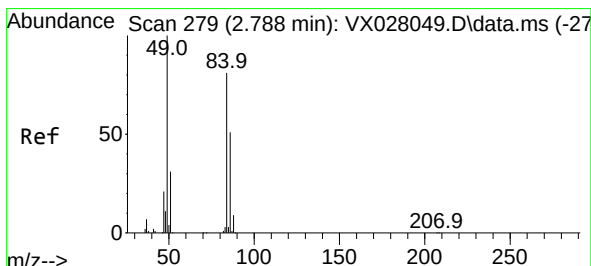
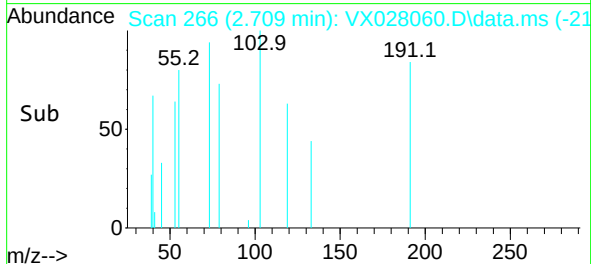
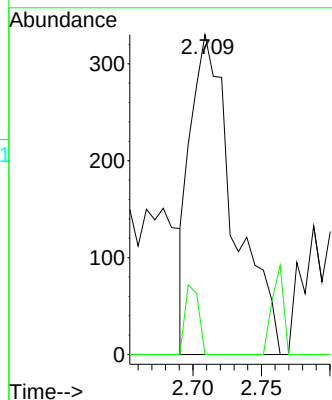
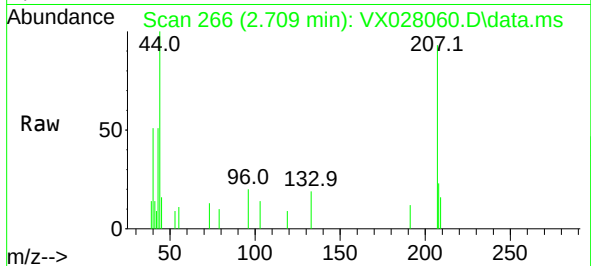




#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

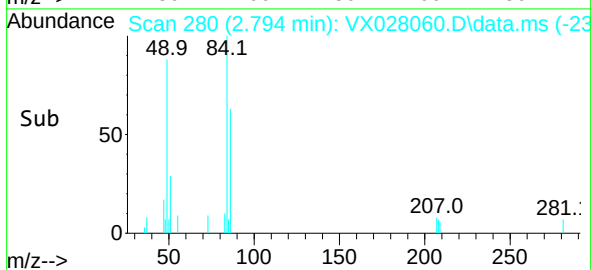
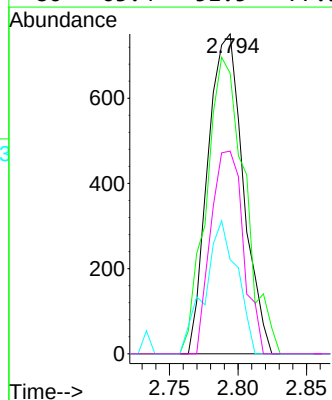
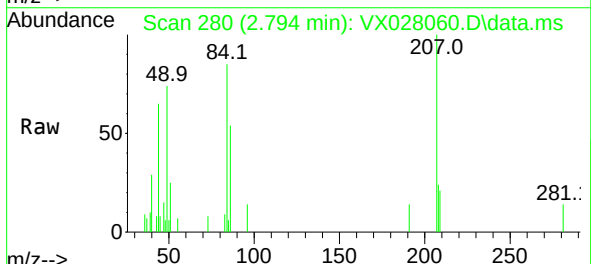
Instrument :
MSVOA_X
ClientSampleId :
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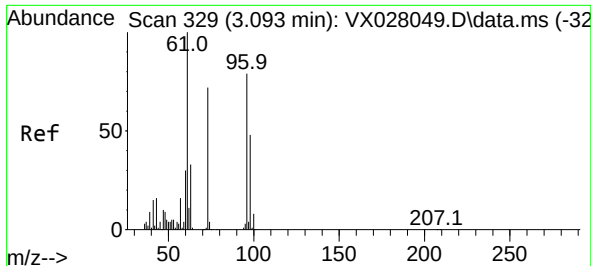
Tgt Ion: 43 Resp: 725
Ion Ratio Lower Upper
43 100
74 6.8 22.8 34.2#



#20
Methylene Chloride
Concen: 0.535 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

Tgt Ion: 84 Resp: 1344
Ion Ratio Lower Upper
84 100
49 87.7 85.5 128.3
51 29.4 26.6 39.8
86 63.4 51.5 77.3

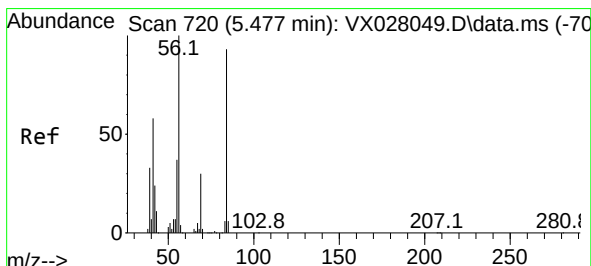
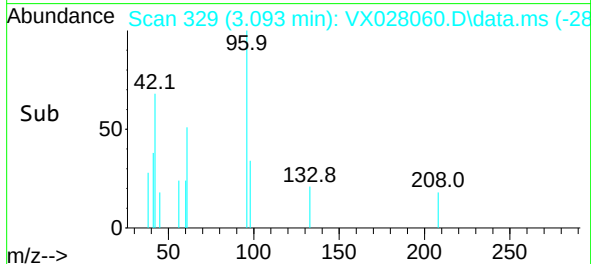
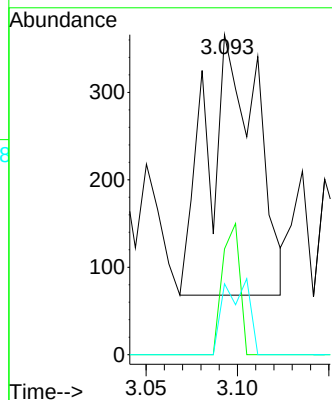
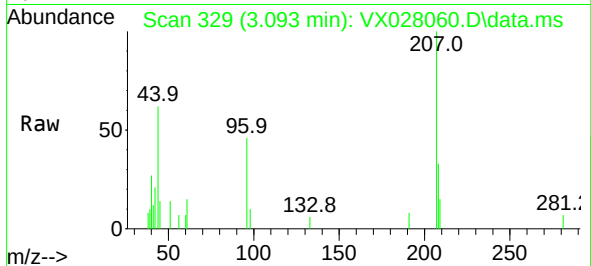




#21
trans-1,2-Dichloroethene
Concen: 0.218 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

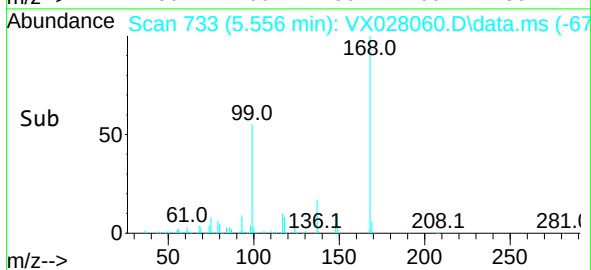
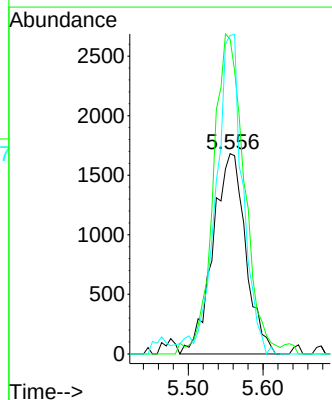
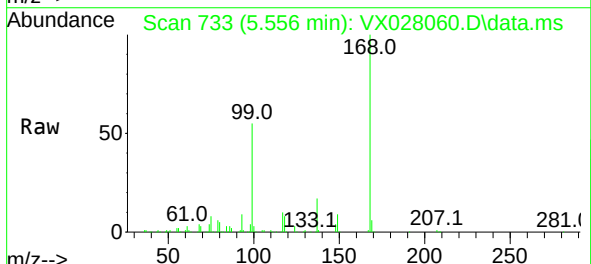
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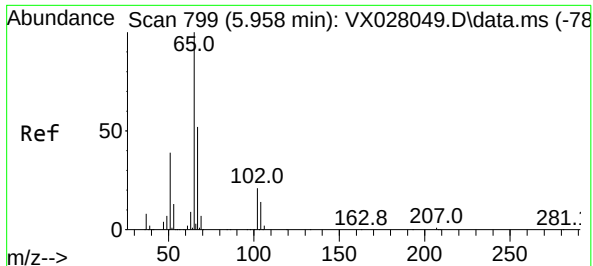
Tgt Ion: 96 Resp: 574
Ion Ratio Lower Upper
96 100
61 40.6 105.4 158.2#
98 27.2 50.0 75.0#



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

Tgt Ion: 56 Resp: 5111
Ion Ratio Lower Upper
56 100
69 154.0 26.7 40.1#
84 165.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 48.173 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028060.D

Acq: 12 Apr 2022 16:47

Instrument :

MSVOA_X

ClientSampleId :

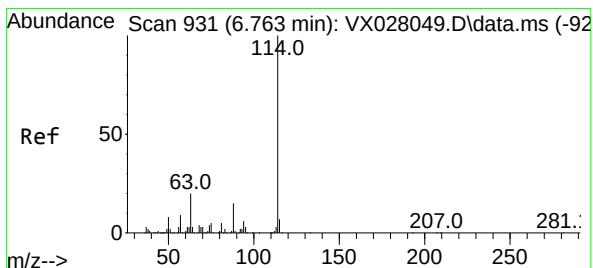
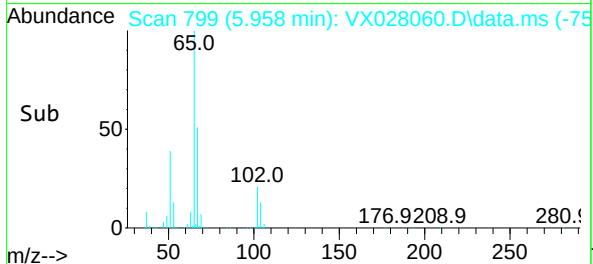
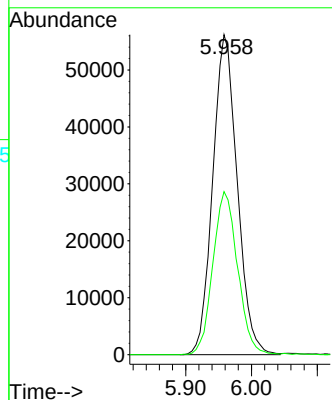
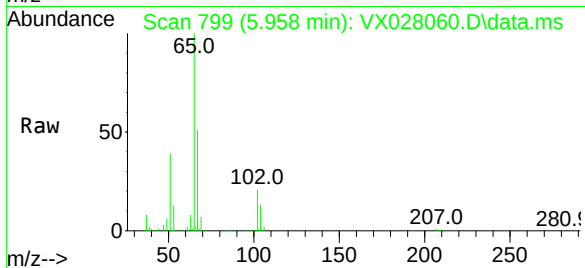
FB040622

Tgt Ion: 65 Resp: 145837

Ion Ratio Lower Upper

65 100

67 51.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028060.D

Acq: 12 Apr 2022 16:47

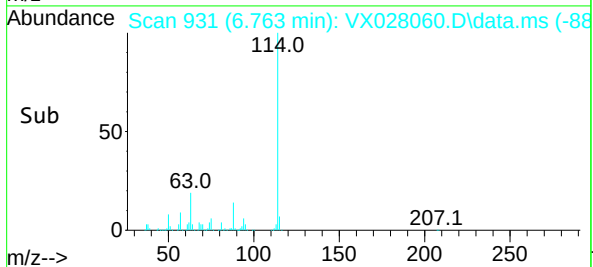
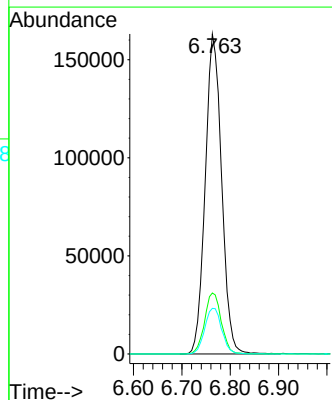
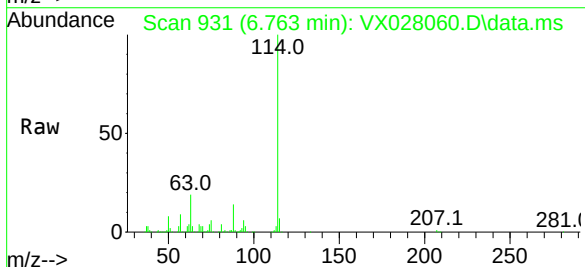
Tgt Ion: 114 Resp: 383749

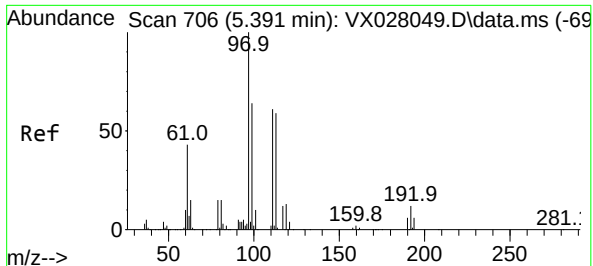
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

88 14.3 0.0 32.4

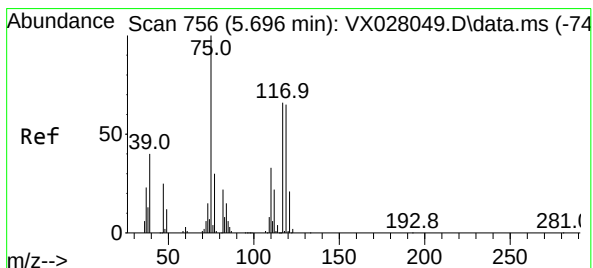
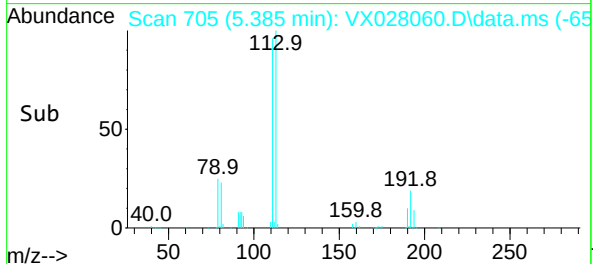
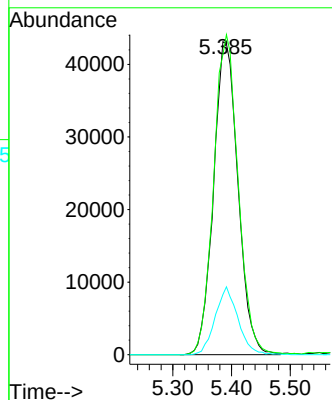
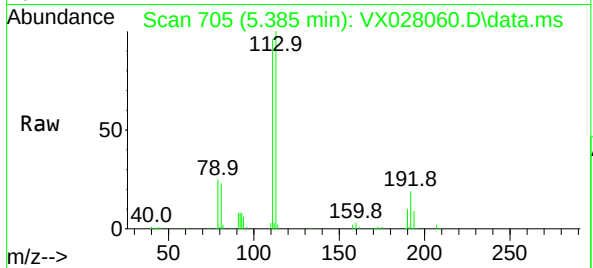




#35
Dibromofluoromethane
Concen: 49.539 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

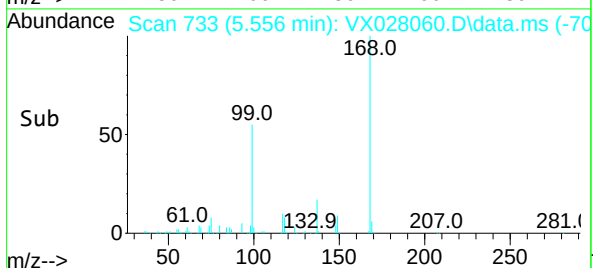
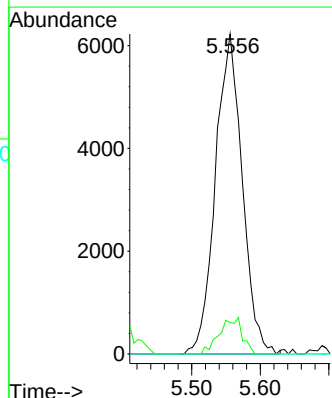
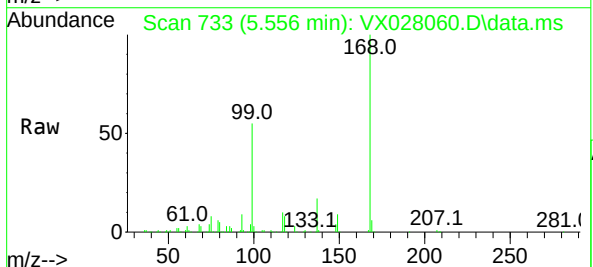
Instrument :
MSVOA_X
ClientSampleId :
FB040622

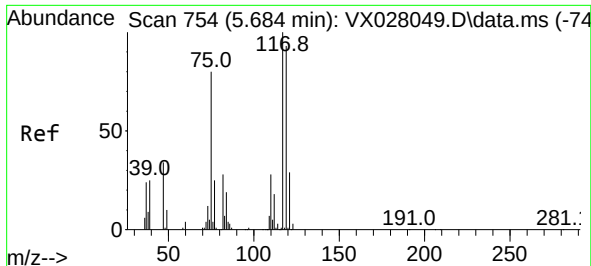
Tgt Ion:113 Resp: 124571
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.405 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

Tgt Ion: 75 Resp: 16906
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 24.8 37.2#

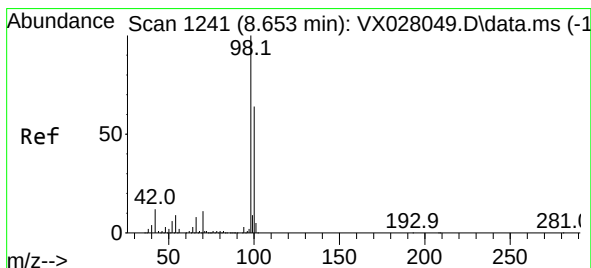
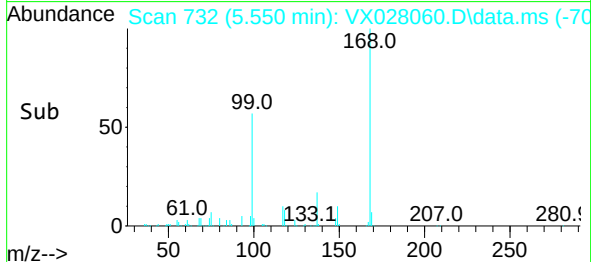
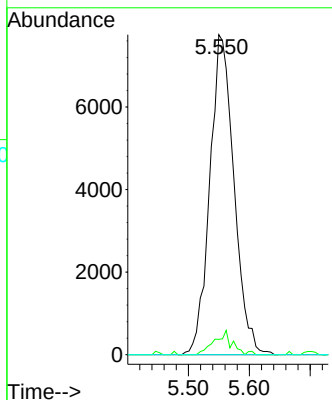
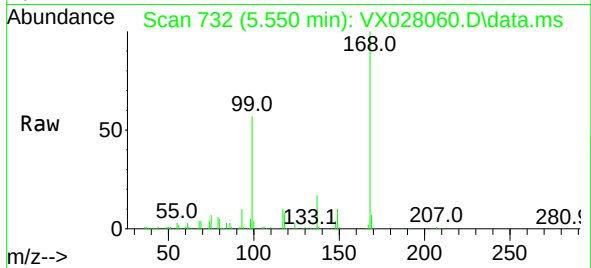




#38
Carbon Tetrachloride
Concen: 5.218 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

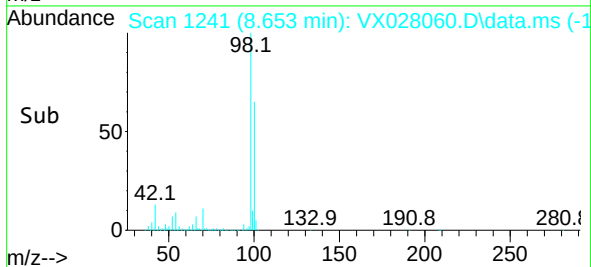
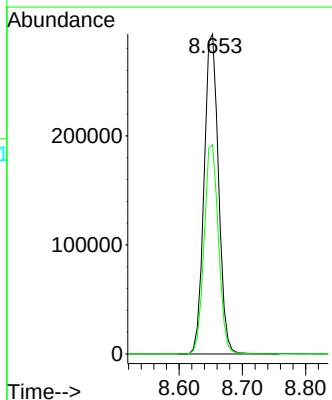
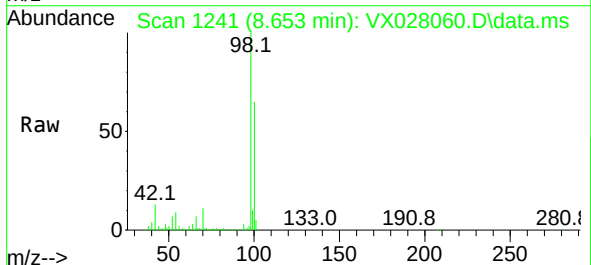
Instrument :
MSVOA_X
ClientSampleId :
FB040622

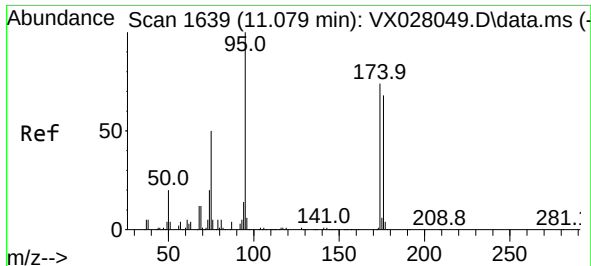
Tgt Ion:117 Resp: 21379
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.691 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

Tgt Ion: 98 Resp: 466016
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

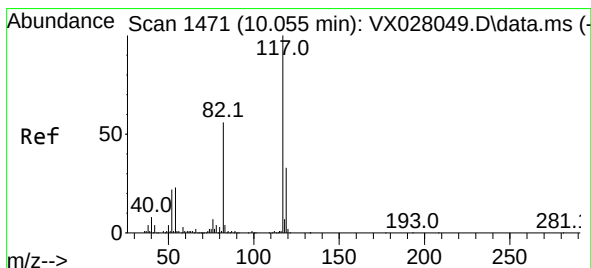
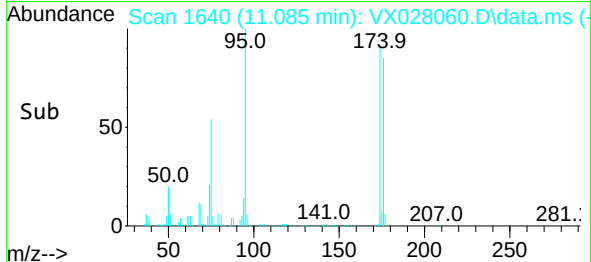
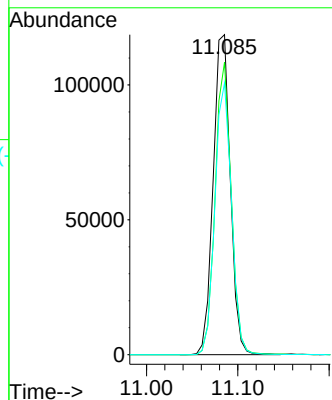
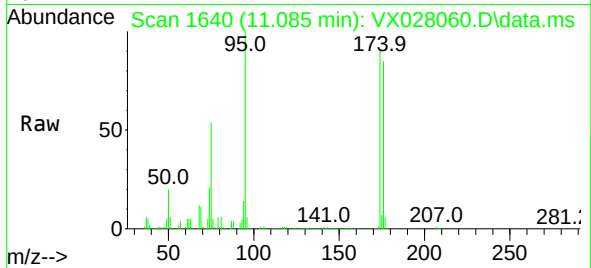




#62
4-Bromofluorobenzene
Concen: 44.065 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

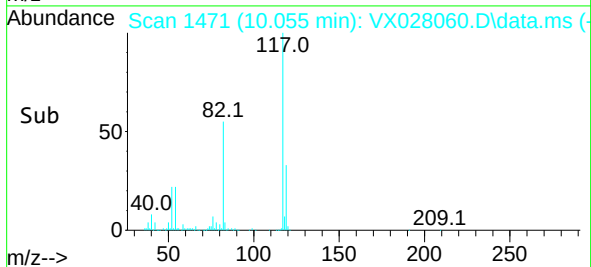
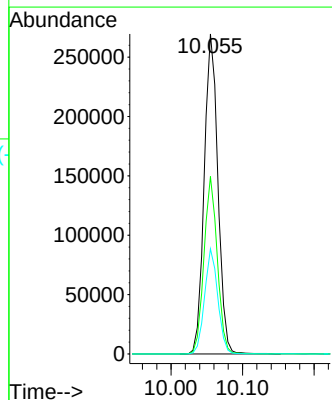
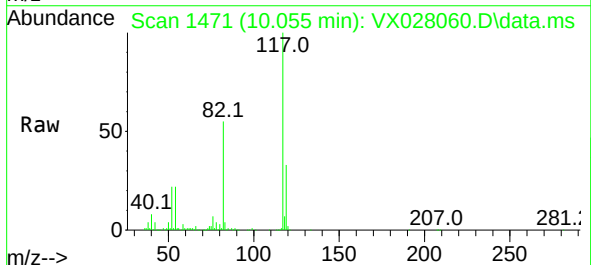
Instrument :
MSVOA_X
ClientSampleId :
FB040622

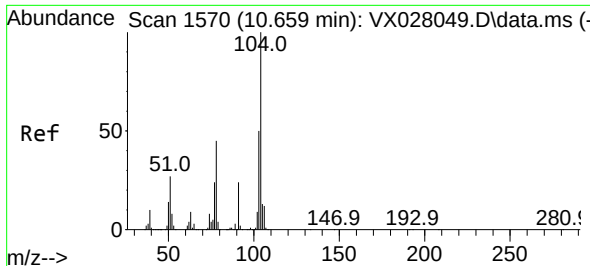
Tgt Ion: 95 Resp: 154301
Ion Ratio Lower Upper
95 100
174 86.2 0.0 163.0
176 82.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

Tgt Ion: 117 Resp: 358758
Ion Ratio Lower Upper
117 100
82 55.5 41.8 62.8
119 32.8 24.8 37.2

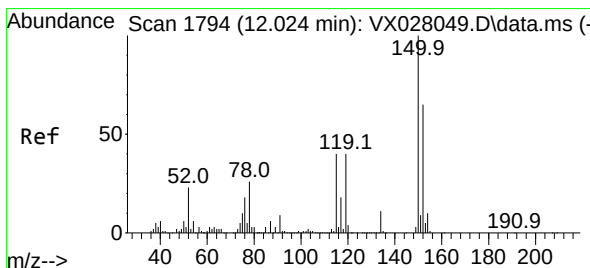
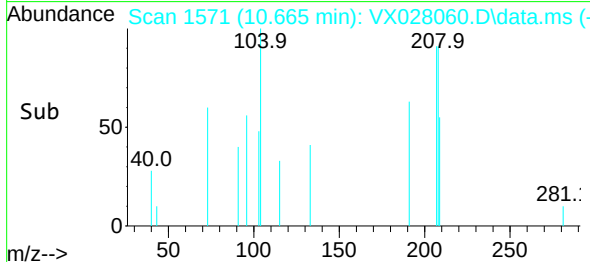
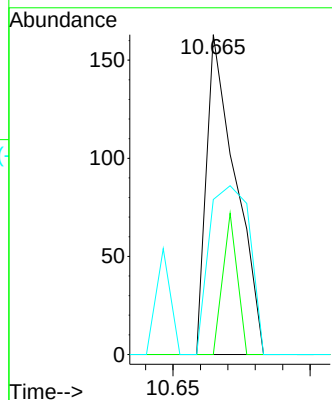
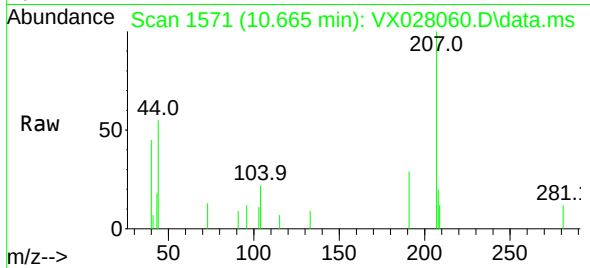




#70
Styrene
Concen: 4.714 ug/l
RT: 10.665 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

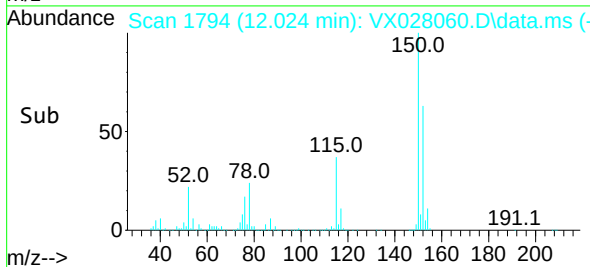
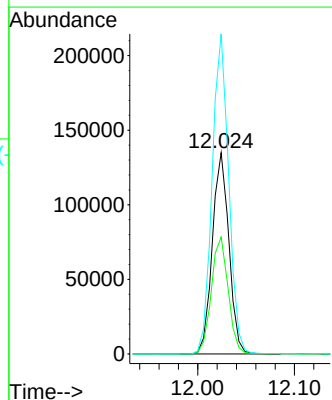
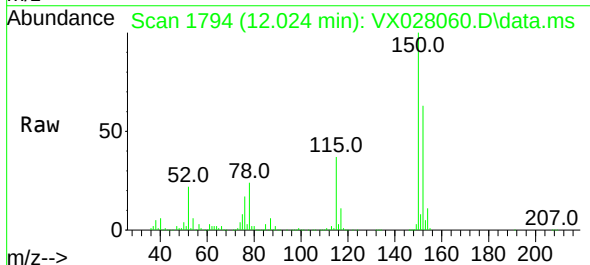
Instrument :
MSVOA_X
ClientSampleId :
FB040622

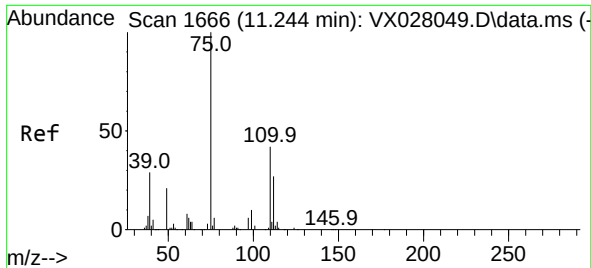
Tgt Ion:104 Resp: 120
Ion Ratio Lower Upper
104 100
78 21.7 38.6 57.8#
103 74.2 43.8 65.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

Tgt Ion:152 Resp: 160569
Ion Ratio Lower Upper
152 100
115 59.1 37.5 112.7
150 158.8 0.0 338.2

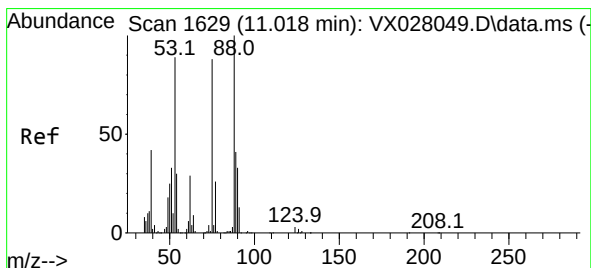
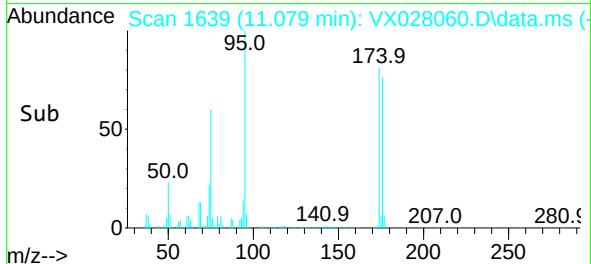
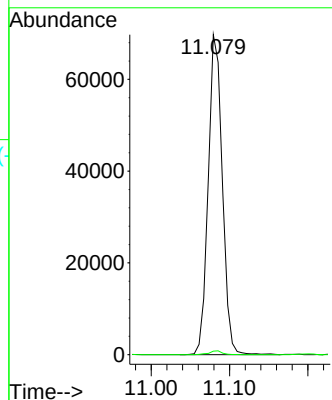
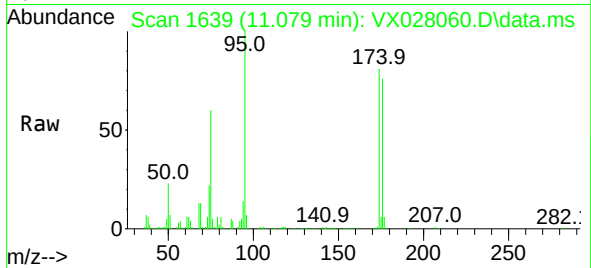




#76
1,2,3-Trichloropropane
Concen: 24.333 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

Instrument :
MSVOA_X
ClientSampleId :
FB040622

Tgt Ion: 75 Resp: 86981
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.533 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028060.D
Acq: 12 Apr 2022 16:47

Tgt Ion: 75 Resp: 86981
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

