

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052622\
 Data File : VX029007.D
 Acq On : 26 May 2022 18:22
 Operator : JC/MD
 Sample : N3053-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 27 07:35:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

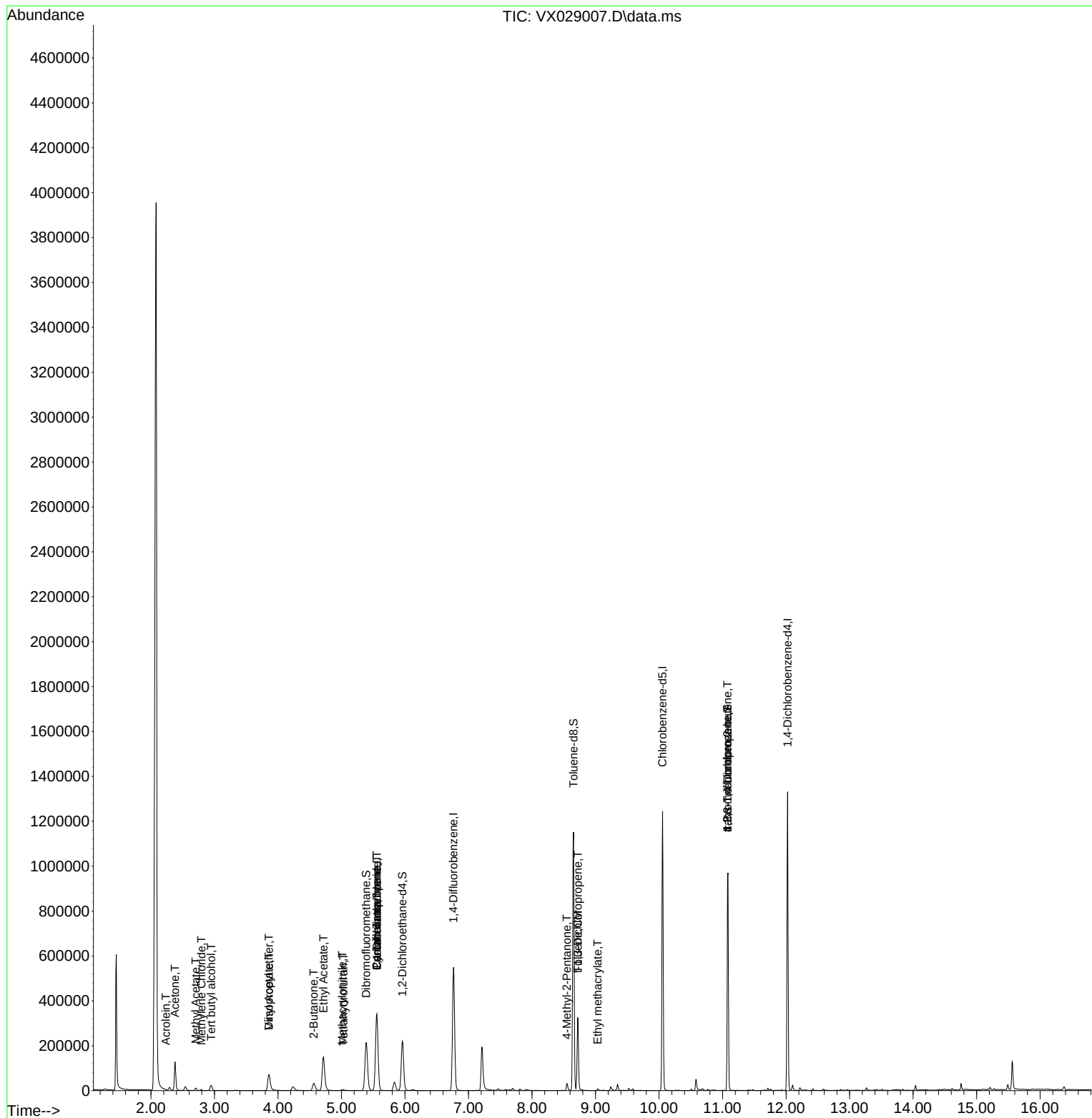
Internal Standards						
1) Pentafluorobenzene	5.556	168	321696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	573198	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	563300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	267042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	218228	49.488	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.980%		
35) Dibromofluoromethane	5.385	113	191936	51.108	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.220%		
50) Toluene-d8	8.653	98	689466	48.695	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.380%		
62) 4-Bromofluorobenzene	11.079	95	275376	52.071	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.140%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	918	Below Cal		97
6) Chloroethane	1.691	64	365	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	14383	7.634	ug/l #	78
13) Acrolein	2.233	56	161	0.222	ug/l	99
16) Acetone	2.380	43	130140	68.765	ug/l	95
18) Methyl Acetate	2.703	43	12412	2.619	ug/l	98
20) Methylene Chloride	2.794	84	2146	0.540	ug/l	94
22) Diisopropyl ether	3.855	45	5627	0.493	ug/l #	1
23) Vinyl Acetate	3.855	43	12308	1.251	ug/l #	66
25) 2-Butanone	4.562	43	46182	15.546	ug/l	91
29) Tetrahydrofuran	5.032	42	689	0.357	ug/l #	49
31) Cyclohexane	5.556	56	6211	1.015	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24558	4.354	ug/l #	50
37) Ethyl Acetate	4.715	43	250940	42.593	ug/l	99
38) Carbon Tetrachloride	5.556	117	32781	5.775	ug/l #	17
41) Methacrylonitrile	5.013	41	1367	0.433	ug/l #	32
51) 4-Methyl-2-Pentanone	8.549	43	13238	2.180	ug/l #	31
52) Toluene	8.720	92	122920	11.787	ug/l	98
53) t-1,3-Dichloropropene	8.720	75	1673	1.891	ug/l #	1
56) Ethyl methacrylate	9.031	69	1405	0.218	ug/l #	24
76) 1,2,3-Trichloropropane	11.079	75	135730	21.703	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	135730	63.605	ug/l #	15

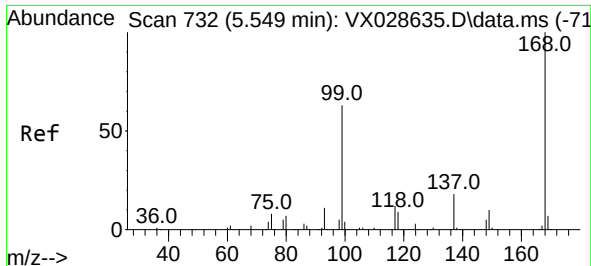
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

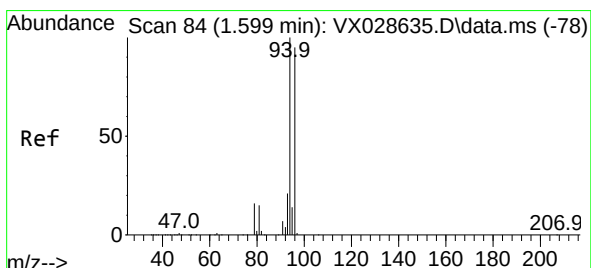
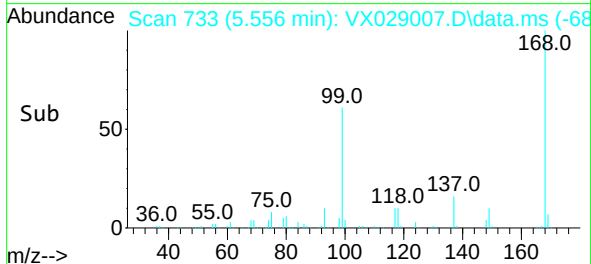
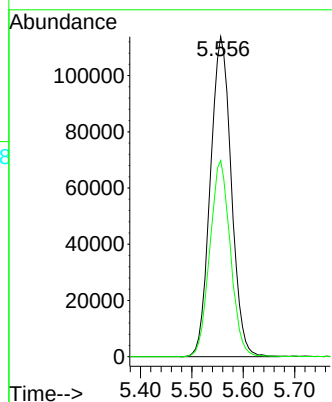
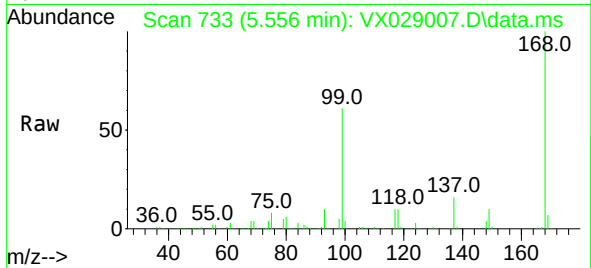




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

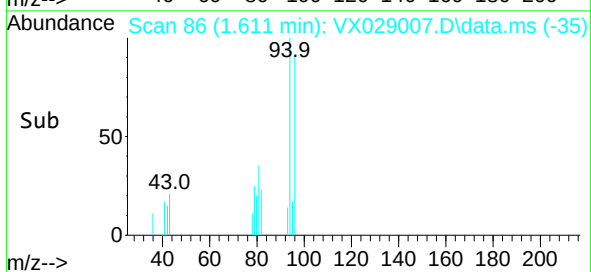
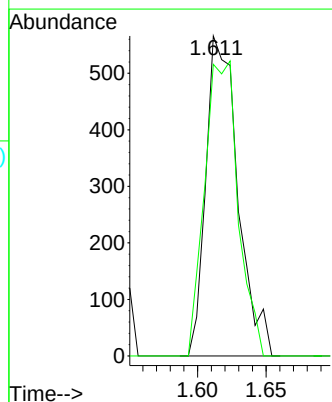
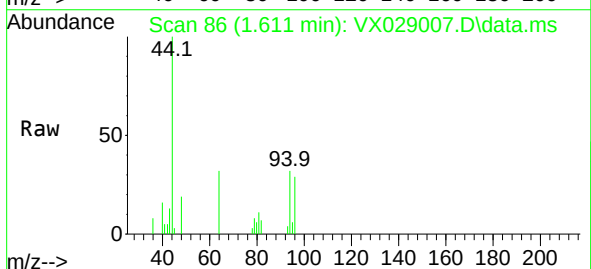
Instrument :
MSVOA_X
ClientSampleId :

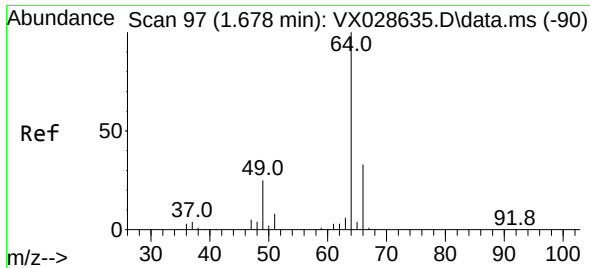
Tgt Ion:168 Resp: 321696
Ion Ratio Lower Upper
168 100
99 61.3 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Tgt Ion: 94 Resp: 918
Ion Ratio Lower Upper
94 100
96 91.2 75.3 112.9

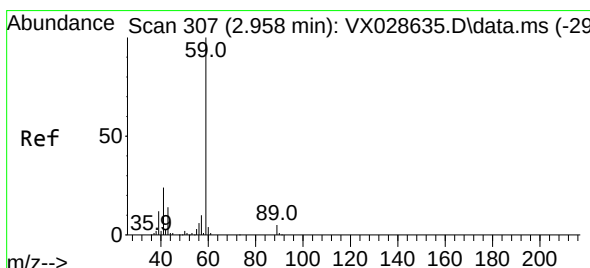
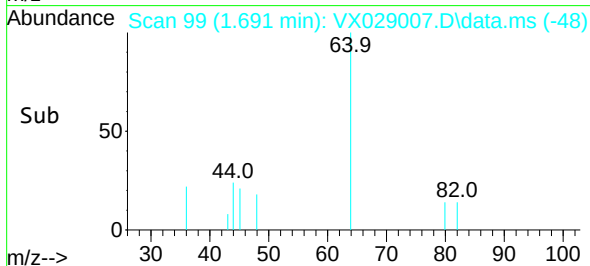
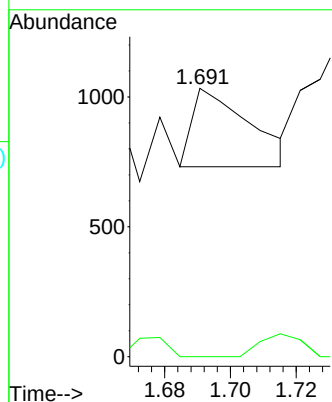
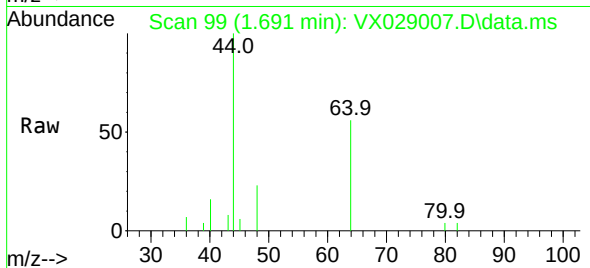




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.013 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

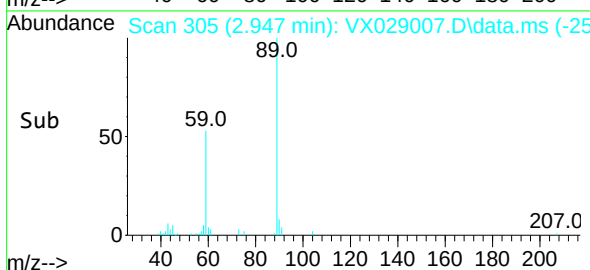
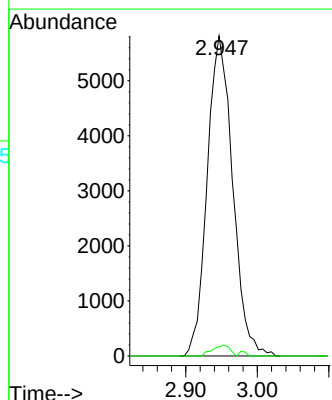
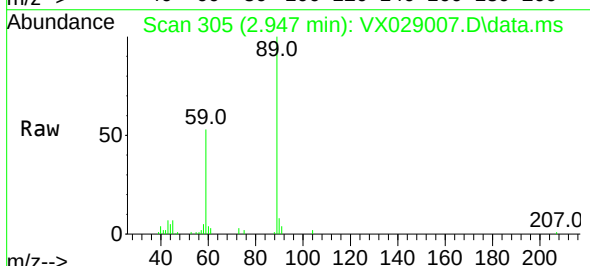
Instrument :
MSVOA_X
ClientSampleId :

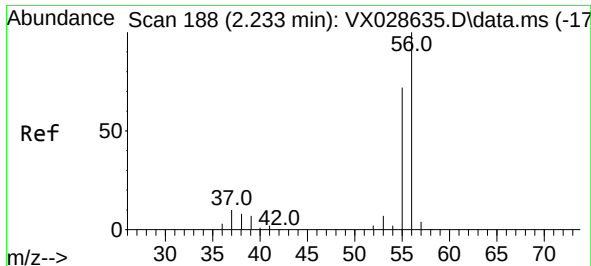
Tgt Ion: 64 Resp: 365
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 7.634 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

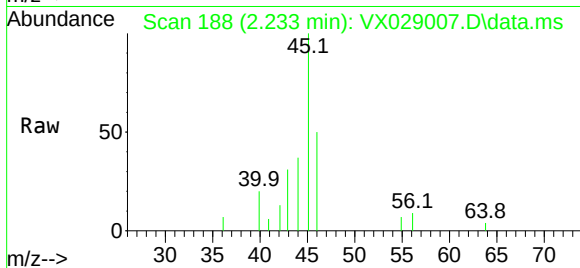
Tgt Ion: 59 Resp: 14383
Ion Ratio Lower Upper
59 100
57 2.3 8.3 12.5#



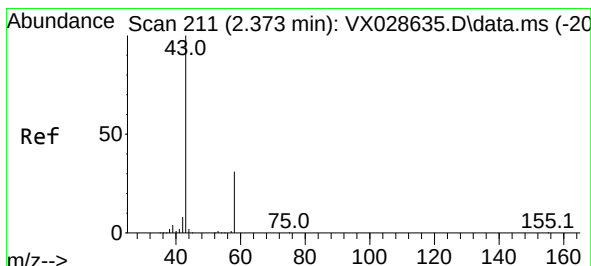
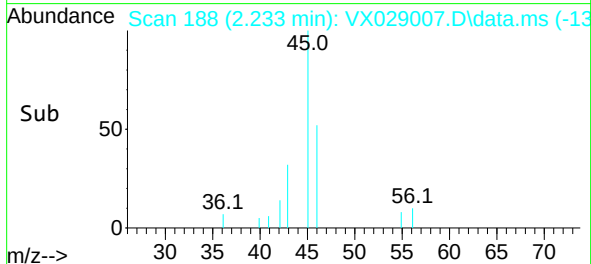
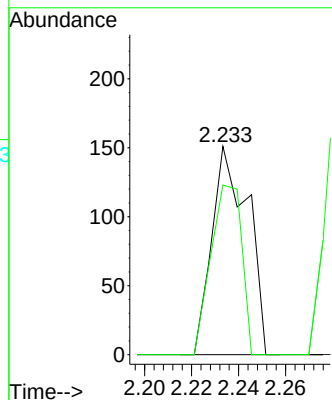


#13
Acrolein
Concen: 0.222 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Instrument :
MSVOA_X
ClientSampleId :

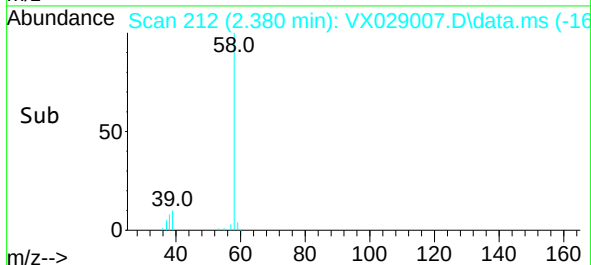
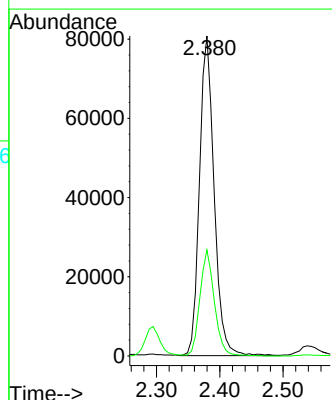
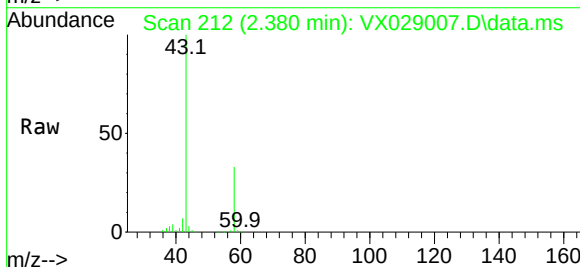


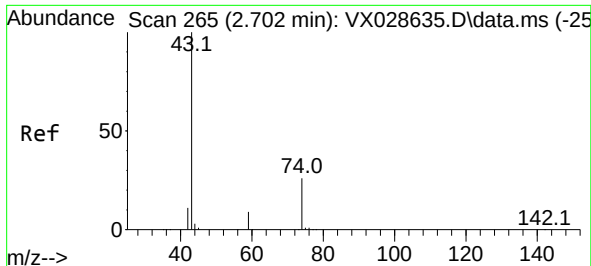
Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 69.6 55.0 82.6



#16
Acetone
Concen: 68.765 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Tgt Ion: 43 Resp: 130140
Ion Ratio Lower Upper
43 100
58 33.2 28.8 43.2

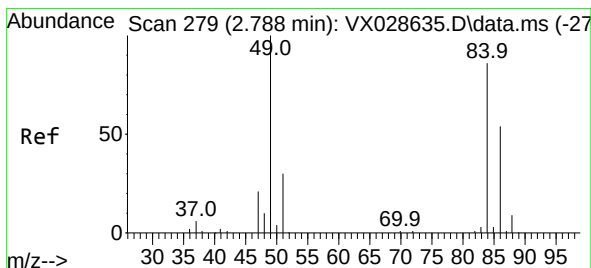
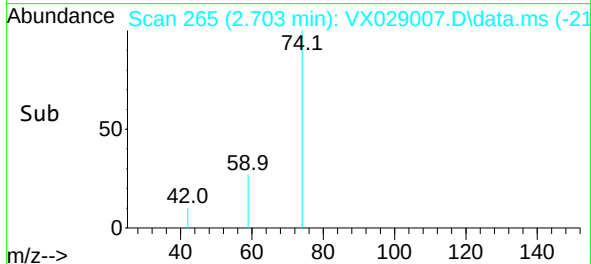
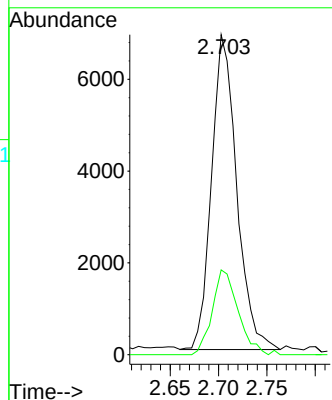
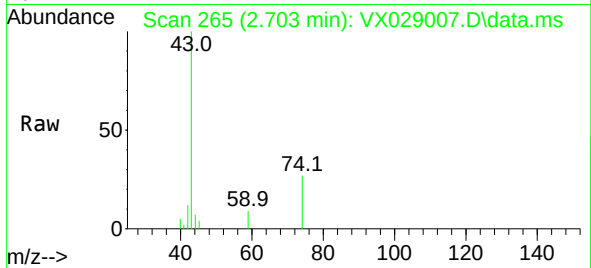




#18
Methyl Acetate
Concen: 2.619 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

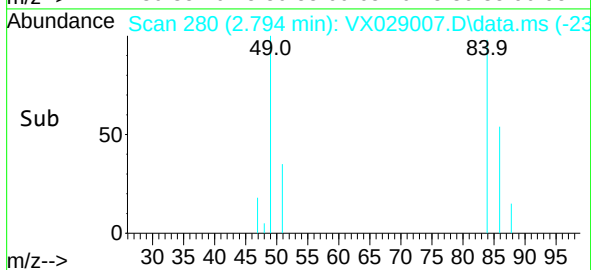
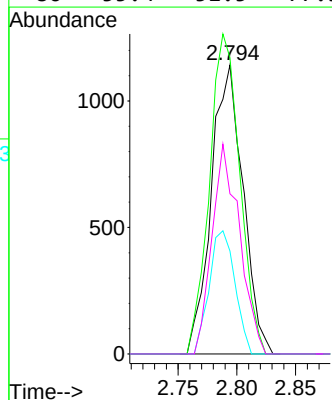
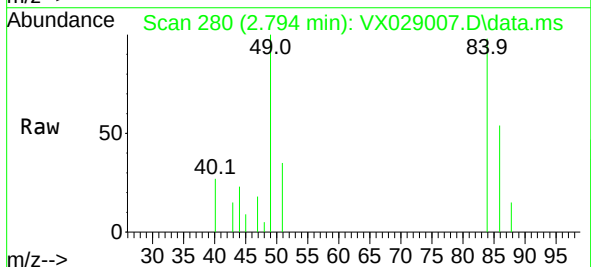
Instrument :
MSVOA_X
ClientSampleId :

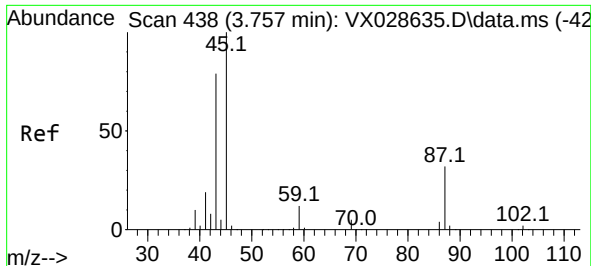
Tgt Ion: 43 Resp: 12412
Ion Ratio Lower Upper
43 100
74 27.4 22.8 34.2



#20
Methylene Chloride
Concen: 0.540 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

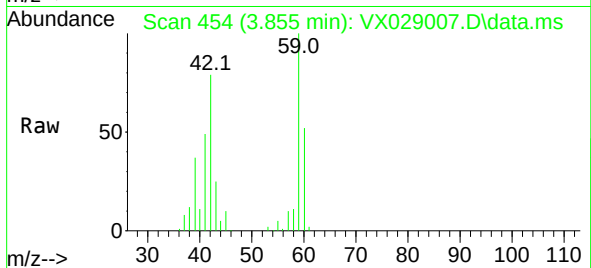
Tgt Ion: 84 Resp: 2146
Ion Ratio Lower Upper
84 100
49 102.5 85.5 128.3
51 35.6 26.6 39.8
86 55.4 51.5 77.3



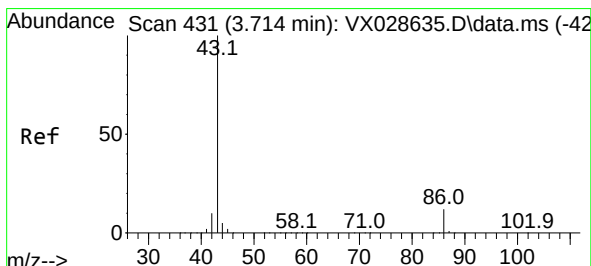
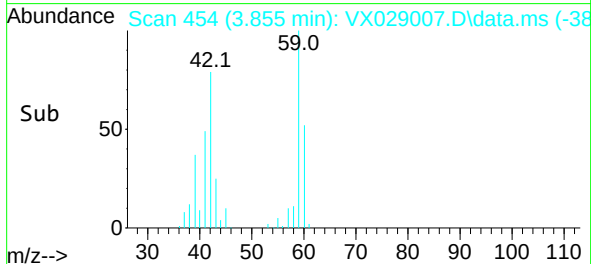
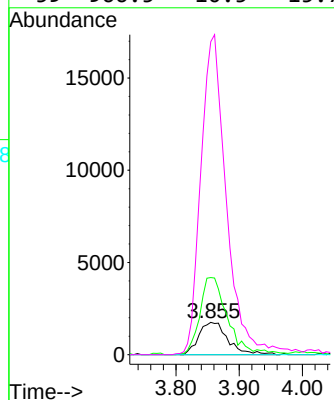


#22
Diisopropyl ether
Concen: 0.493 ug/l
RT: 3.855 min Scan# 454
Delta R.T. 0.098 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Instrument :
MSVOA_X
ClientSampleId :

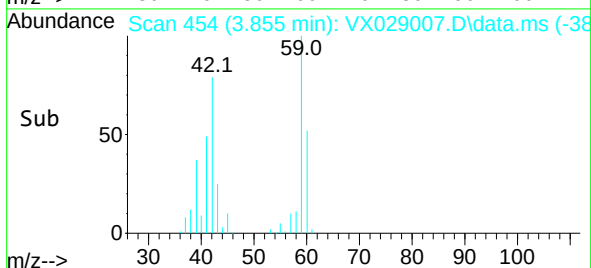
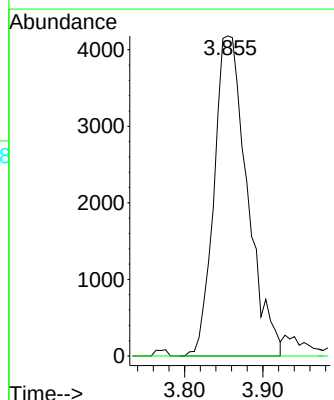
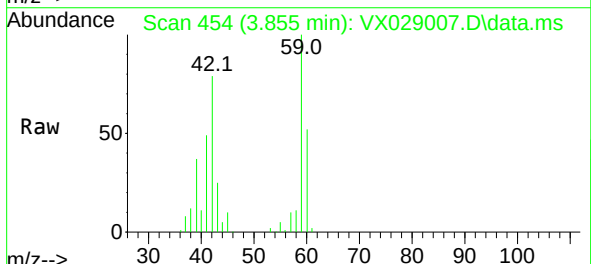


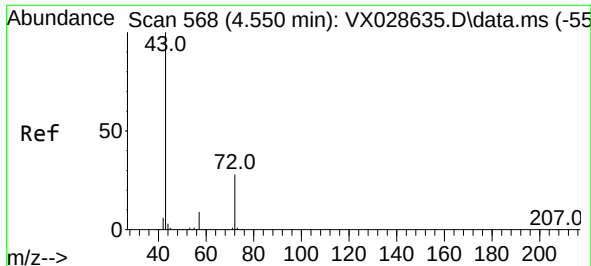
Tgt Ion:	45	Resp:	5627
Ion	Ratio	Lower	Upper
45	100		
43	235.8	50.8	76.2#
87	0.0	26.6	39.8#
59	966.5	10.5	15.7#



#23
Vinyl Acetate
Concen: 1.251 ug/l
RT: 3.855 min Scan# 454
Delta R.T. 0.141 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

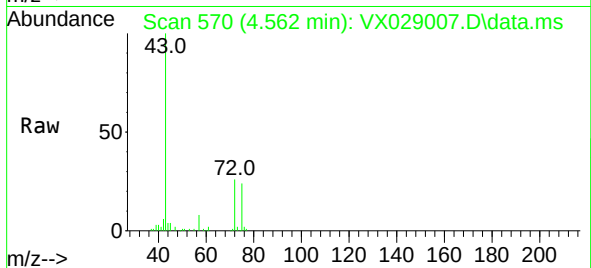
Tgt Ion:	43	Resp:	12308
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.8	16.2#



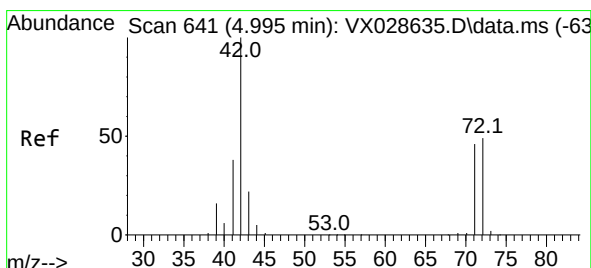
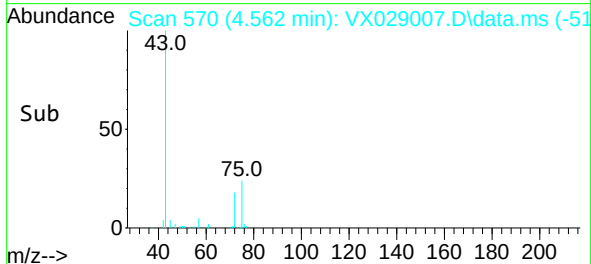
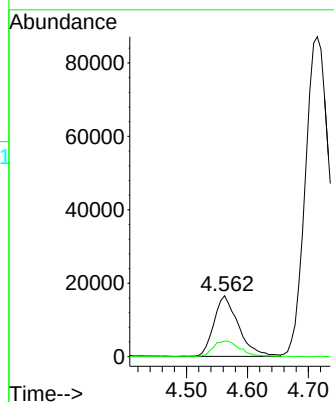


#25
2-Butanone
Concen: 15.546 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Instrument :
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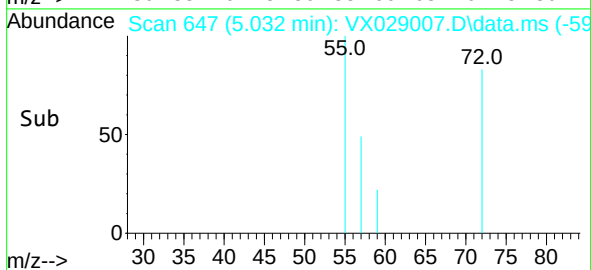
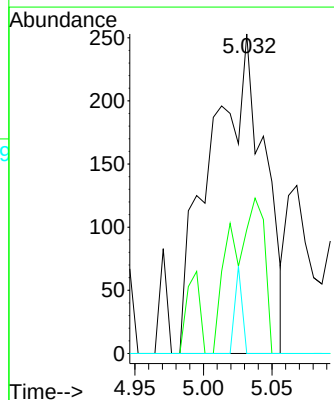
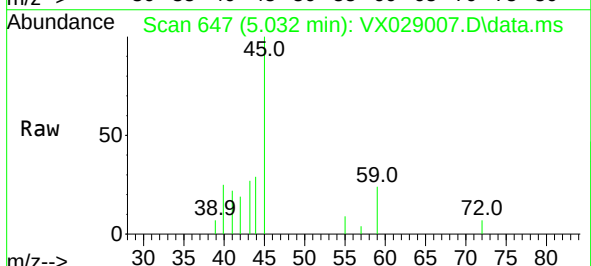


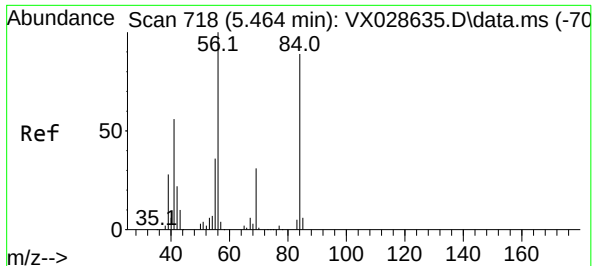
Tgt Ion: 43 Resp: 46182
Ion Ratio Lower Upper
43 100
72 25.6 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.357 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.037 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

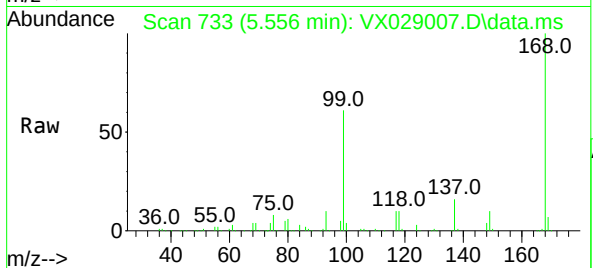
Tgt Ion: 42 Resp: 689
Ion Ratio Lower Upper
42 100
72 29.9 44.1 66.1#
71 3.6 40.5 60.7#



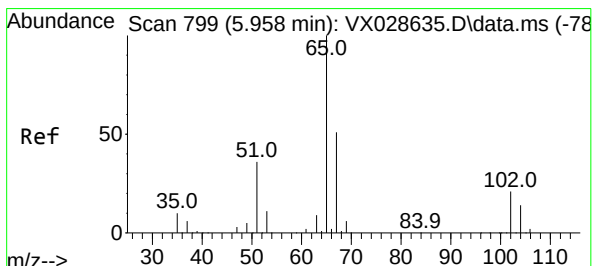
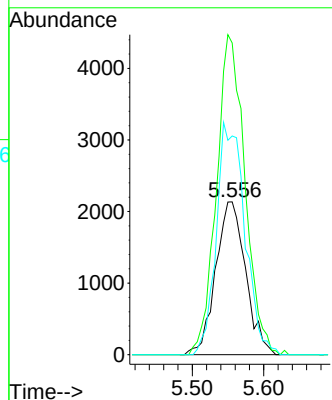
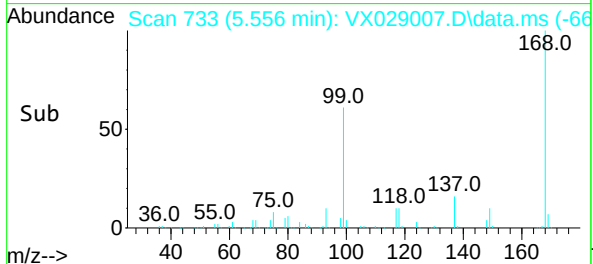


#31
Cyclohexane
Concen: 1.015 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Instrument :
MSVOA_X
ClientSampleId :

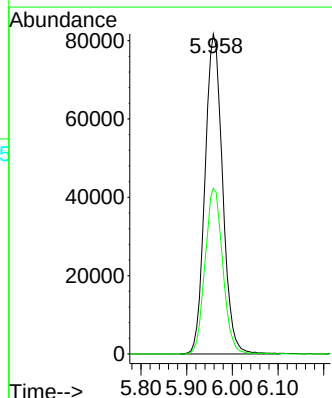
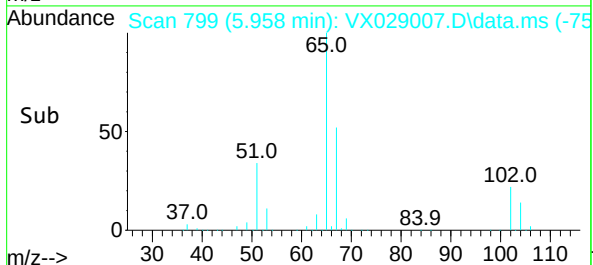
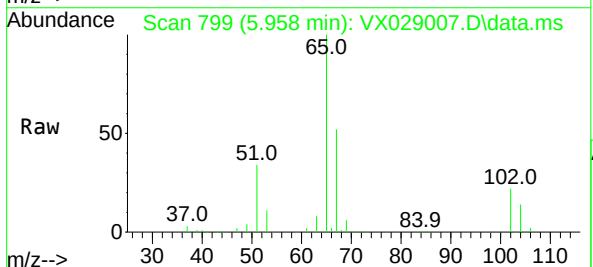


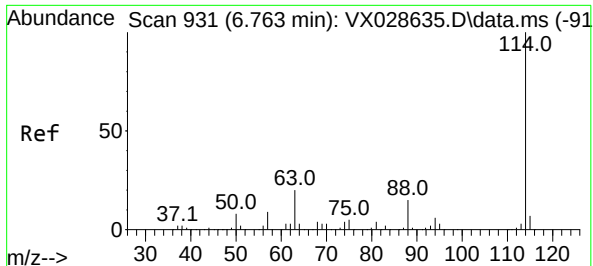
Tgt Ion: 56 Resp: 6211
Ion Ratio Lower Upper
56 100
69 203.9 26.7 40.1#
84 143.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 49.488 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Tgt Ion: 65 Resp: 218228
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

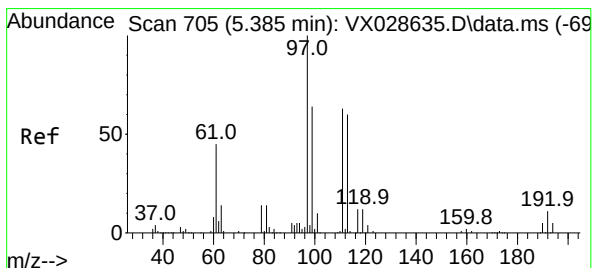
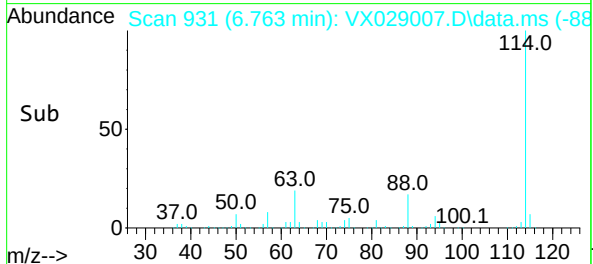
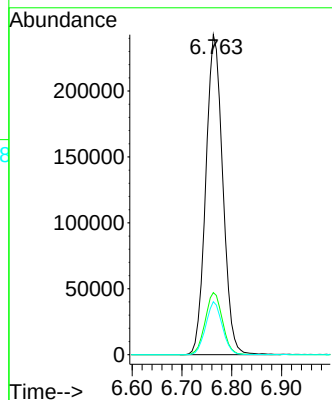
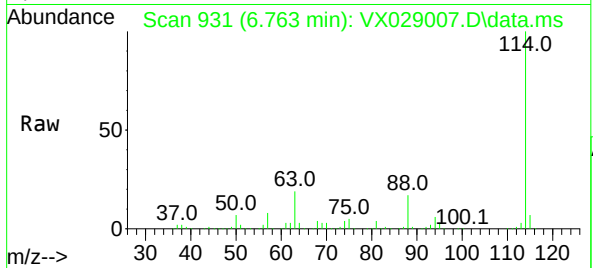




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

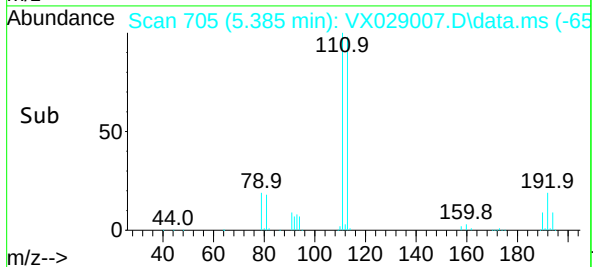
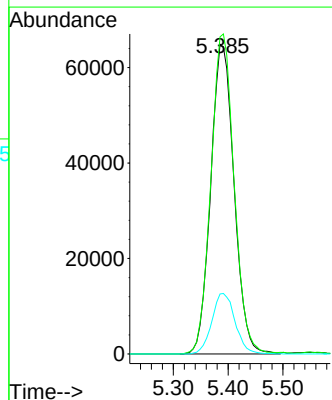
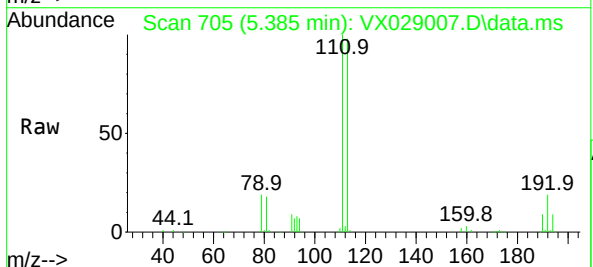
Instrument :
MSVOA_X
ClientSampleId :

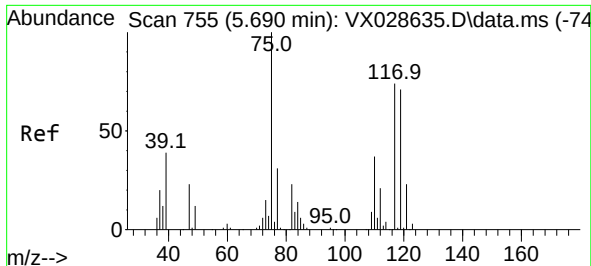
Tgt Ion:114 Resp: 573198
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.8
88 16.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.108 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

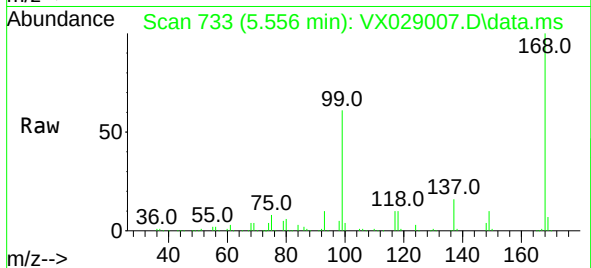
Tgt Ion:113 Resp: 191936
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 19.5 16.9 25.3



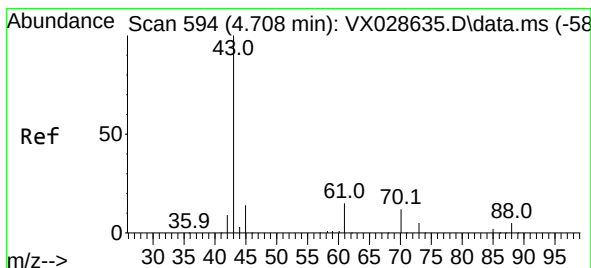
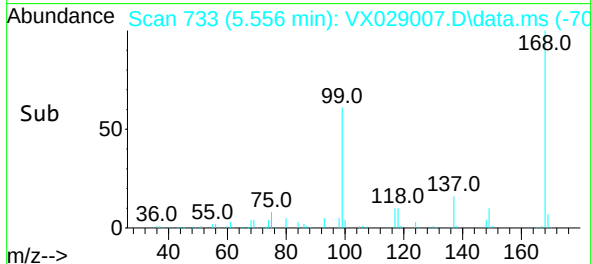
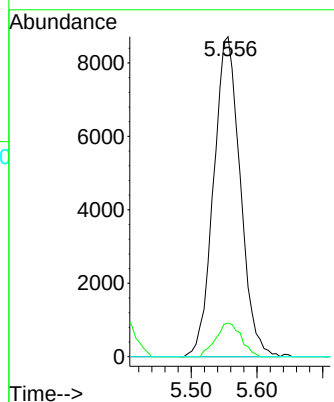


#36
1,1-Dichloropropene
Concen: 4.354 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Instrument :
MSVOA_X
ClientSampleId :

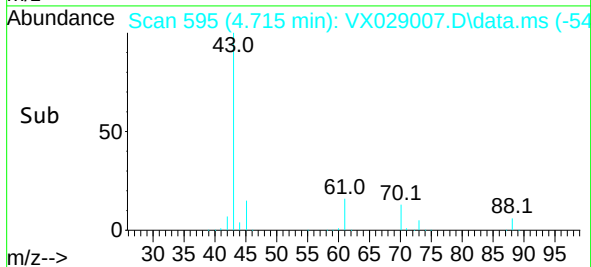
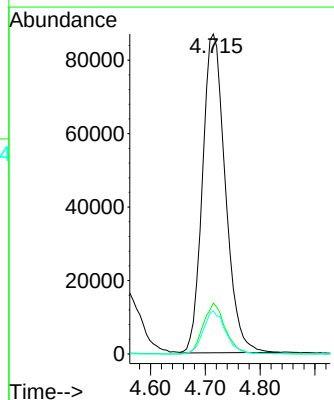
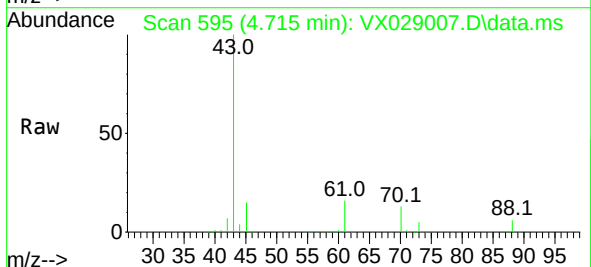


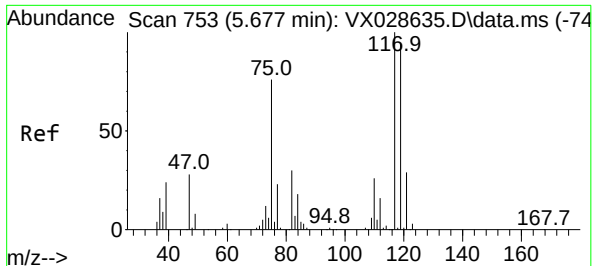
Tgt Ion: 75 Resp: 24558
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 42.593 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.007 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

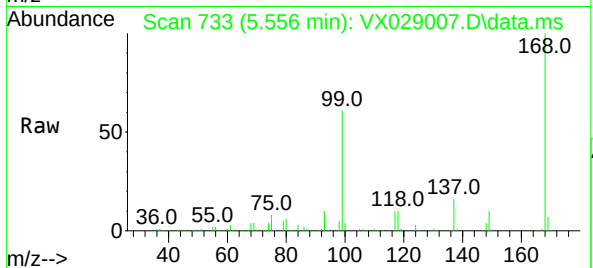
Tgt Ion: 43 Resp: 250940
Ion Ratio Lower Upper
43 100
61 15.5 12.6 19.0
70 13.2 10.2 15.2



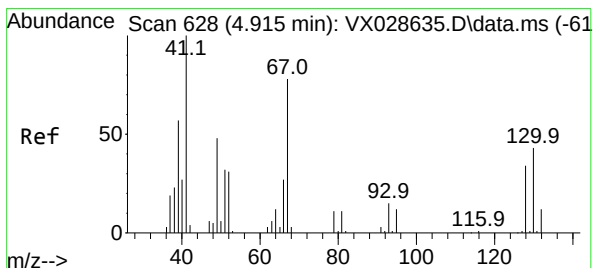
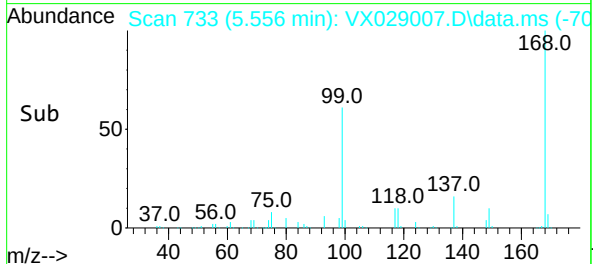
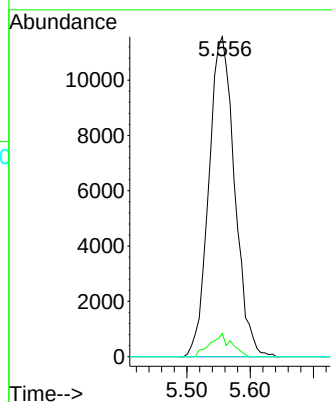


#38
Carbon Tetrachloride
Concen: 5.775 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Instrument :
MSVOA_X
ClientSampleId :

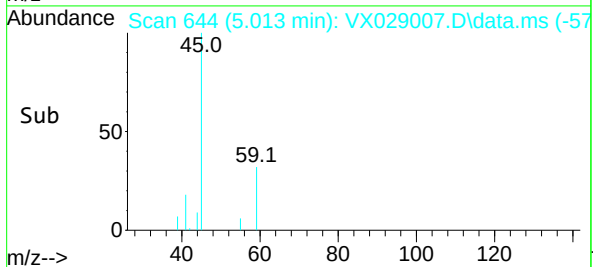
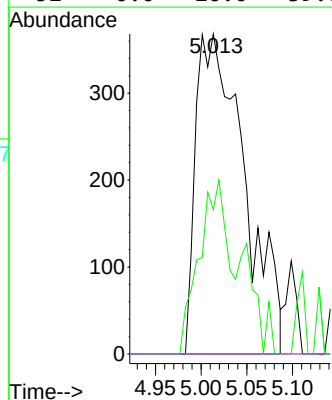
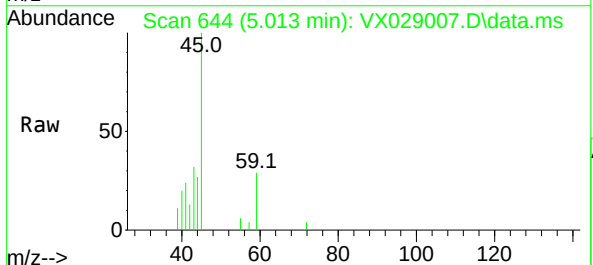


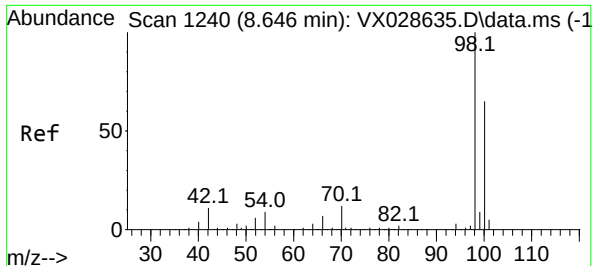
Tgt Ion:117 Resp: 32781
Ion Ratio Lower Upper
117 100
119 7.2 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.433 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.098 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Tgt Ion: 41 Resp: 1367
Ion Ratio Lower Upper
41 100
39 32.8 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

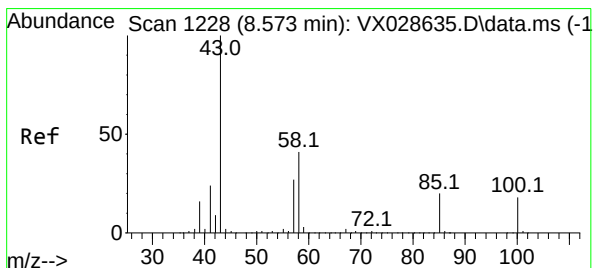
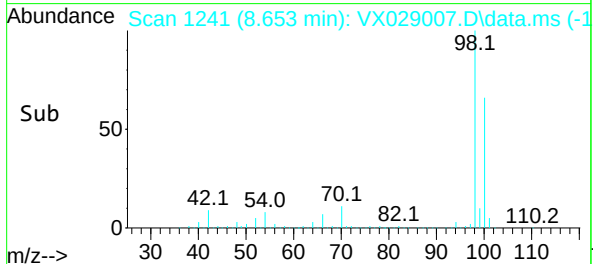
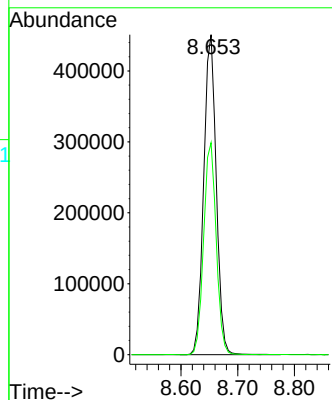
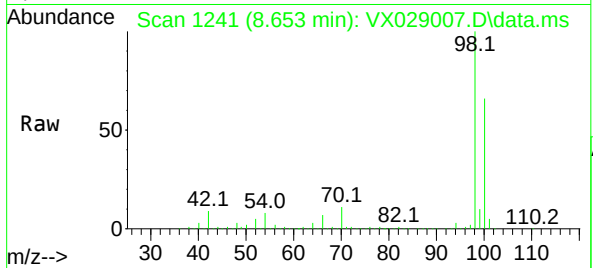




#50
Toluene-d8
Concen: 48.695 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

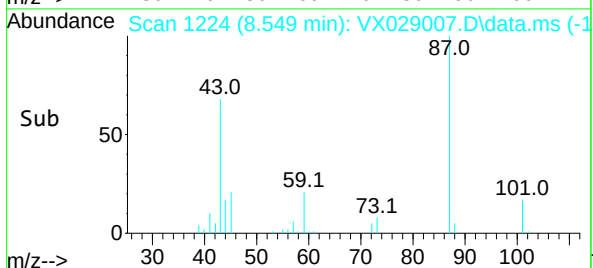
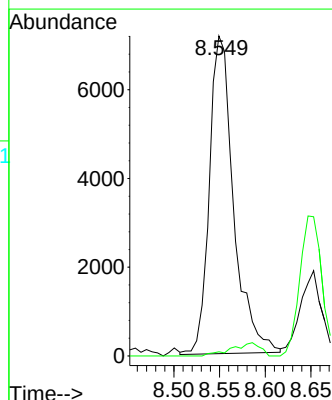
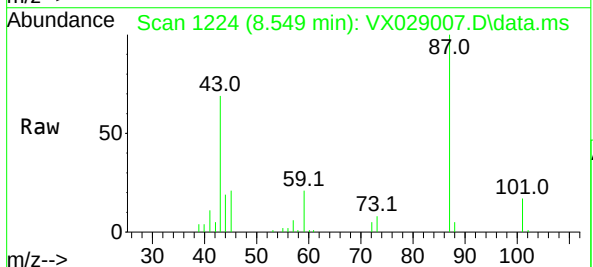
Instrument :
MSVOA_X
ClientSampleId :

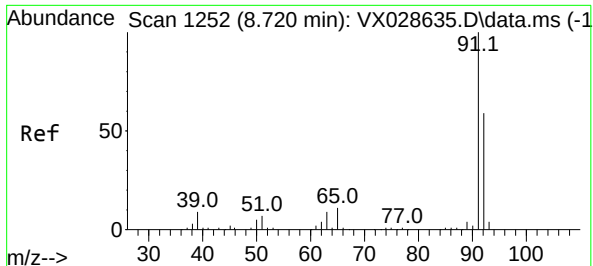
Tgt Ion: 98 Resp: 689466
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.180 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Tgt Ion: 43 Resp: 13238
Ion Ratio Lower Upper
43 100
58 0.0 36.1 54.1#

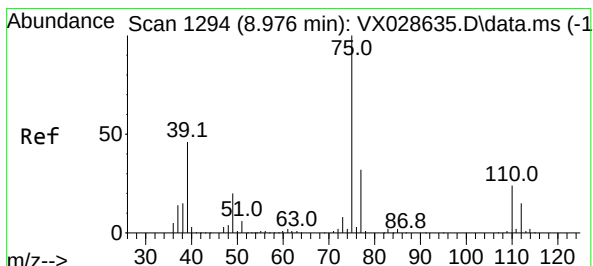
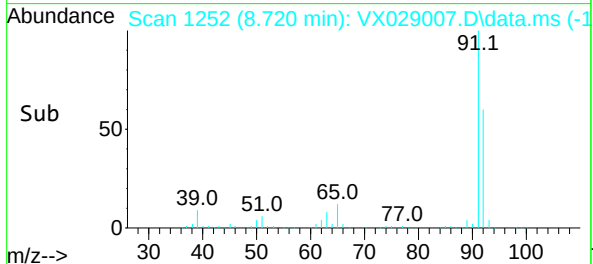
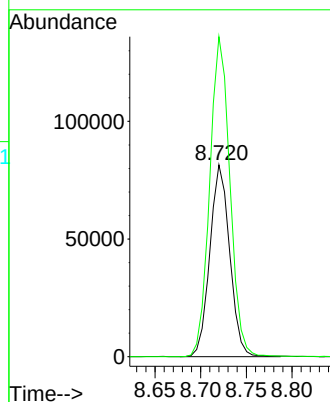
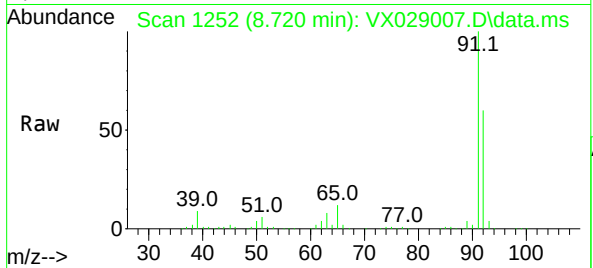




#52
Toluene
Concen: 11.787 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

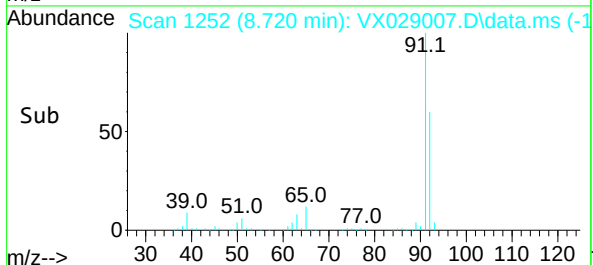
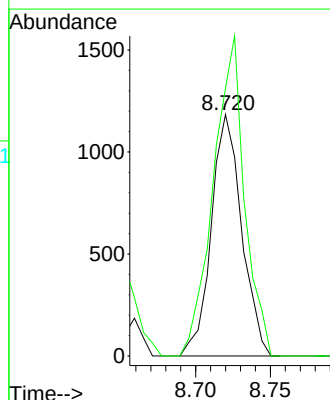
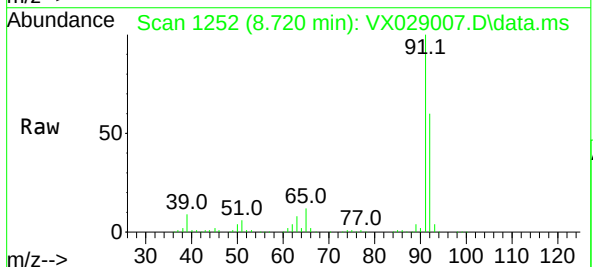
Instrument :
MSVOA_X
ClientSampleId :

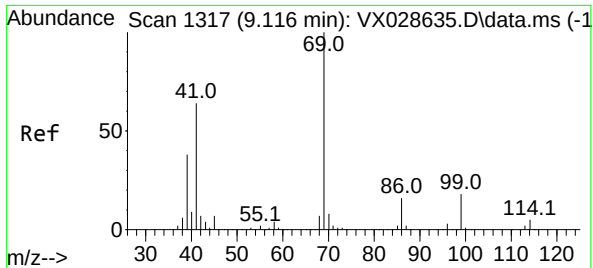
Tgt Ion: 92 Resp: 122920
Ion Ratio Lower Upper
92 100
91 169.8 137.5 206.3



#53
t-1,3-Dichloropropene
Concen: 1.891 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.256 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Tgt Ion: 75 Resp: 1673
Ion Ratio Lower Upper
75 100
77 110.9 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.218 ug/l

RT: 9.031 min Scan# 1

Delta R.T. -0.085 min

Lab File: VX029007.D

Acq: 26 May 2022 18:22

Instrument :

MSVOA_X

ClientSampleId :

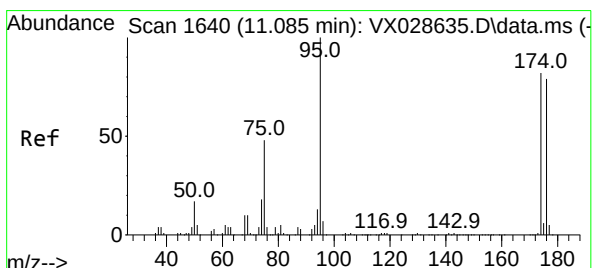
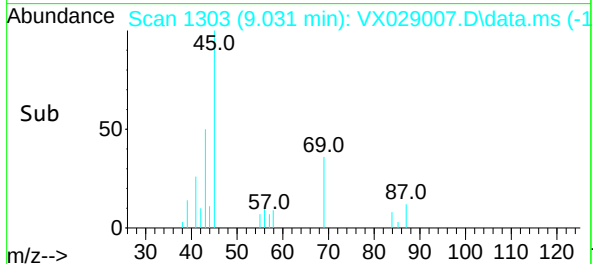
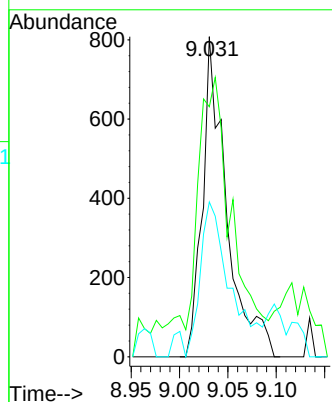
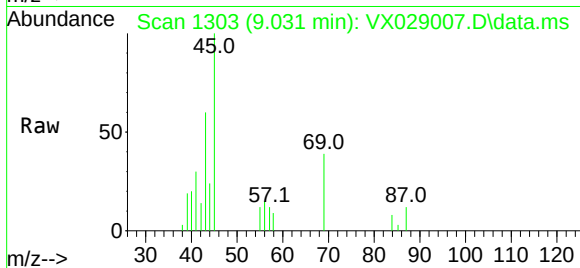
Tgt Ion: 69 Resp: 1405

Ion Ratio Lower Upper

69 100

41 114.7 43.8 65.6#

39 60.4 22.2 33.2#



#62

4-Bromofluorobenzene

Concen: 52.071 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX029007.D

Acq: 26 May 2022 18:22

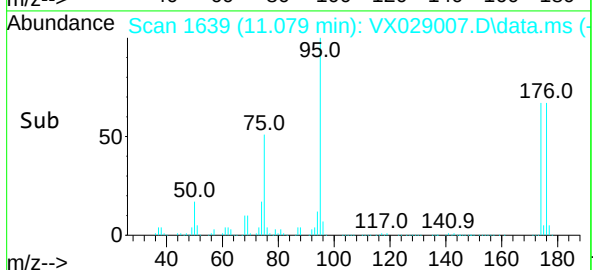
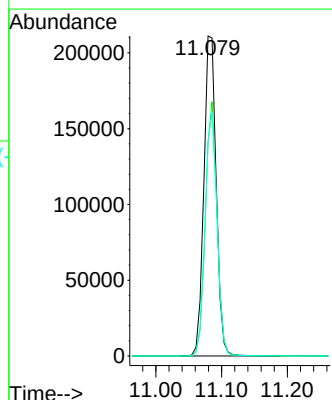
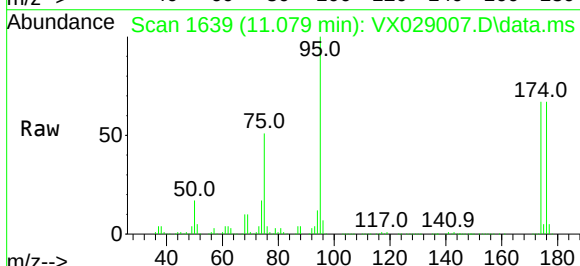
Tgt Ion: 95 Resp: 275376

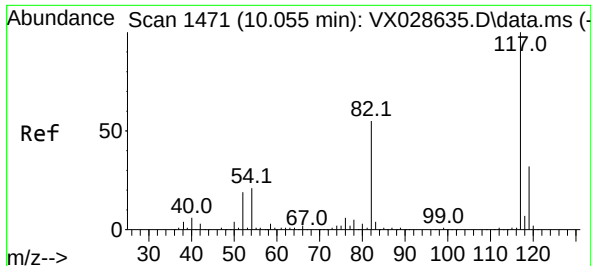
Ion Ratio Lower Upper

95 100

174 75.5 0.0 163.0

176 73.5 0.0 155.0

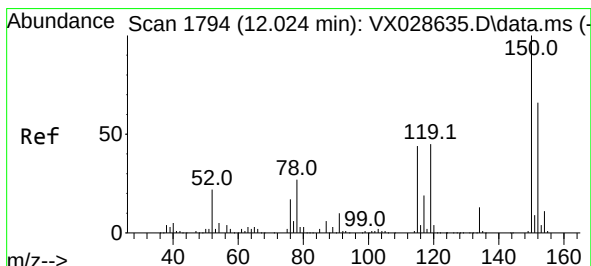
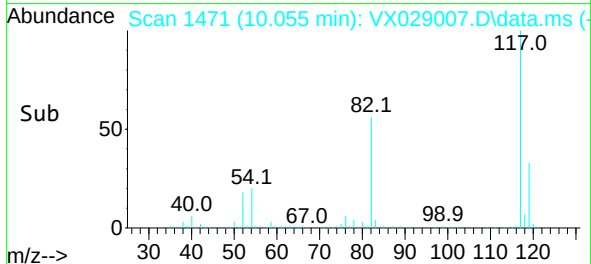
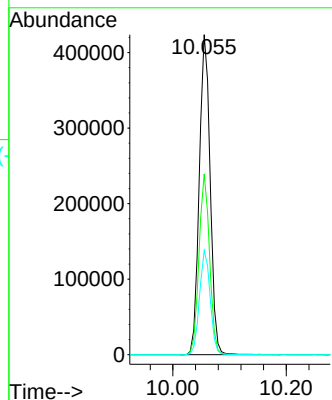
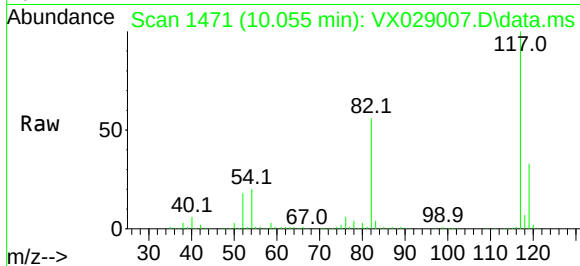




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

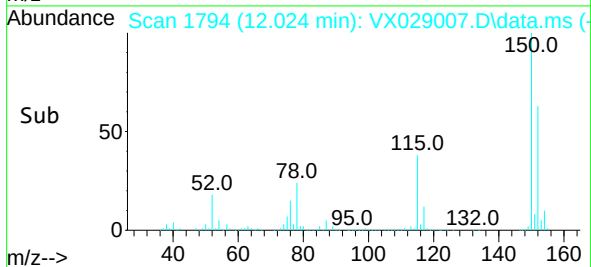
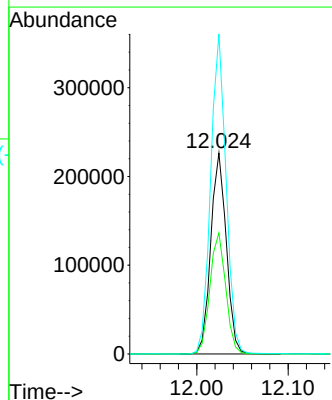
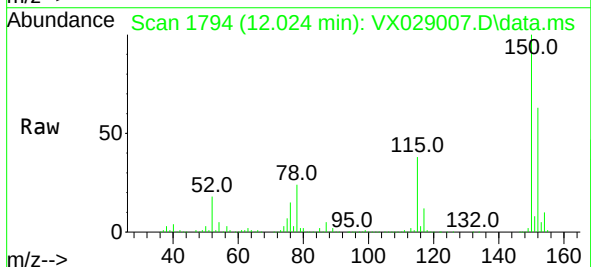
Instrument :
MSVOA_X
ClientSampleId :

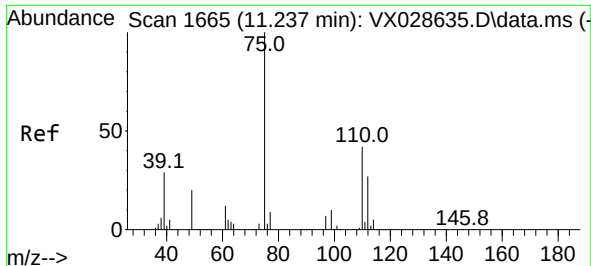
Tgt Ion:117 Resp: 563300
Ion Ratio Lower Upper
117 100
82 56.5 41.8 62.8
119 32.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Tgt Ion:152 Resp: 267042
Ion Ratio Lower Upper
152 100
115 61.2 37.5 112.7
150 157.7 0.0 338.2

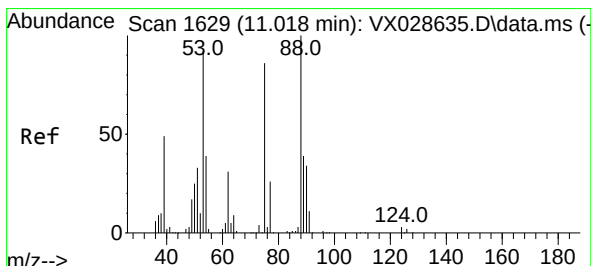
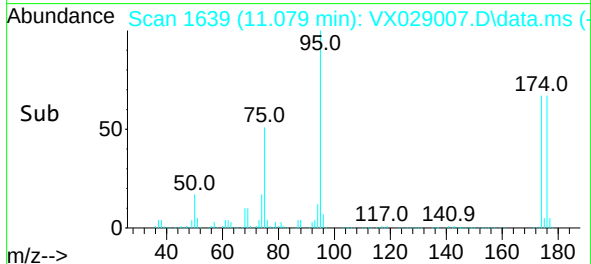
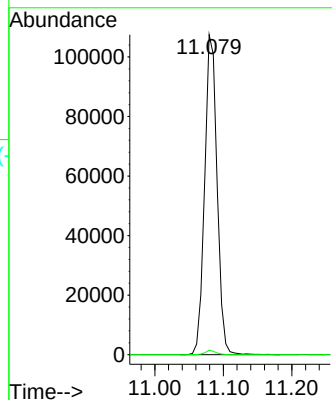
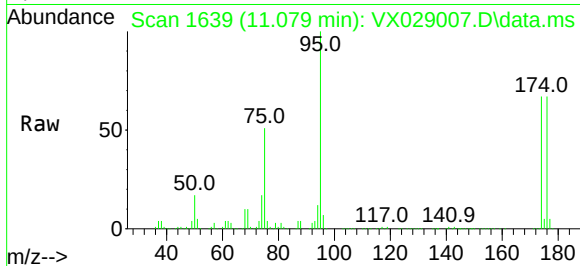




#76
1,2,3-Trichloropropane
Concen: 21.703 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 135730
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.605 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029007.D
Acq: 26 May 2022 18:22

Tgt Ion: 75 Resp: 135730
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

