

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027591.D
 Acq On : 21 Mar 2022 17:12
 Operator : JC/MD
 Sample : N1998-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 05:48:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

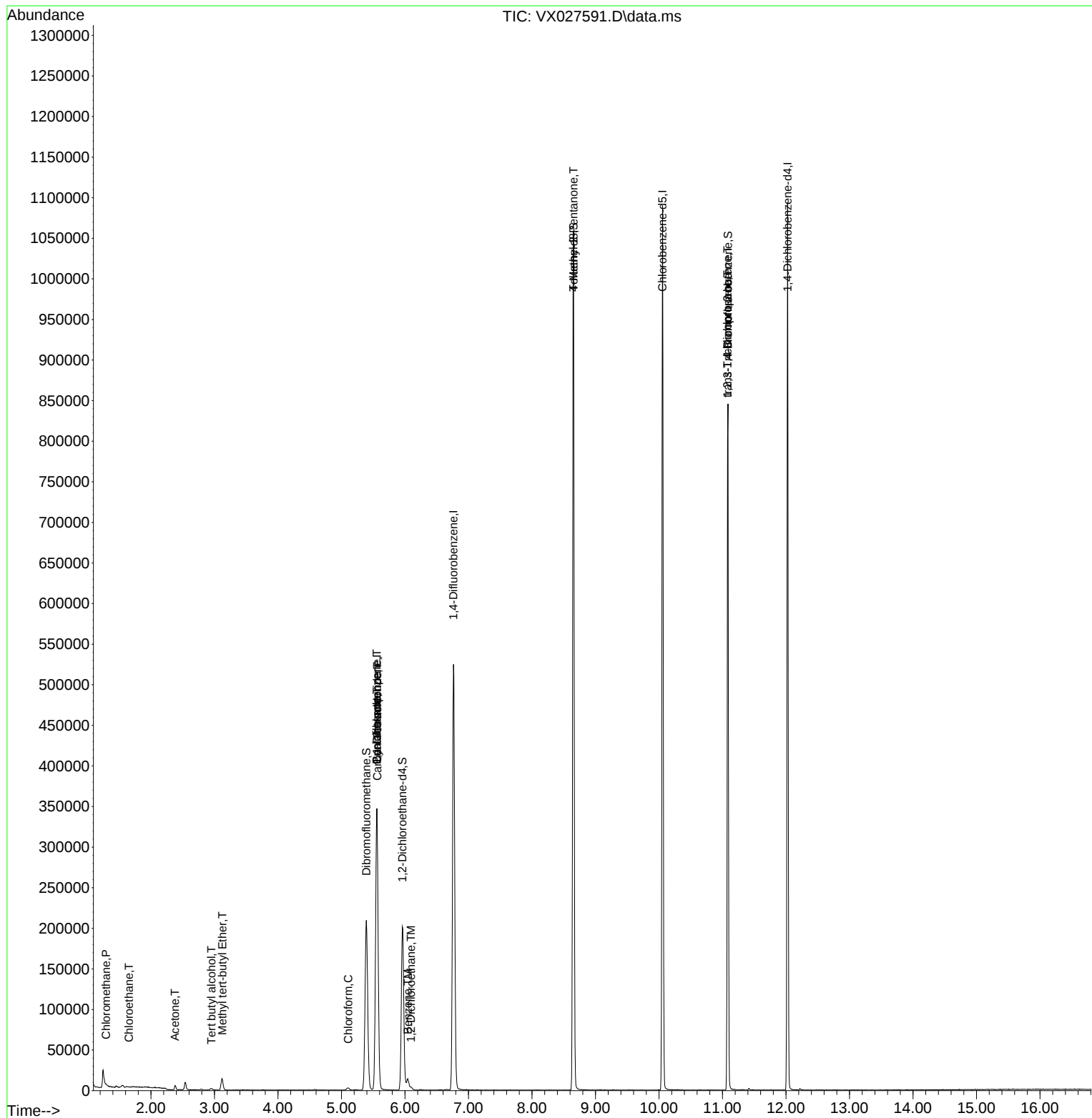
Internal Standards						
1) Pentafluorobenzene	5.556	168	344045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	566972	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	517413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	232117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	197640	46.632	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.260%
35) Dibromofluoromethane	5.391	113	185693	50.906	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.820%
50) Toluene-d8	8.653	98	662990	48.030	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.060%
62) 4-Bromofluorobenzene	11.085	95	231221	45.573	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.140%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	623	0.213	ug/l #	82
5) Bromomethane	1.618	94	608	Below Cal	#	74
6) Chloroethane	1.654	64	1226	0.590	ug/l #	43
11) Tert butyl alcohol	2.953	59	1547	1.915	ug/l #	72
16) Acetone	2.380	43	5521	3.196	ug/l #	86
19) Methyl tert-butyl Ether	3.123	73	15757	1.462	ug/l #	86
30) Chloroform	5.105	83	3356	0.512	ug/l	99
31) Cyclohexane	5.556	56	5717	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23449	4.704	ug/l #	50
38) Carbon Tetrachloride	5.562	117	33331	5.844	ug/l #	15
40) Benzene	6.044	78	15478	1.082	ug/l	97
42) 1,2-Dichloroethane	6.092	62	3790	0.707	ug/l	89
51) 4-Methyl-2-Pentanone	8.653	43	2302	0.451	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.196	63	18	Below Cal	#	45
76) 1,2,3-Trichloropropane	11.079	75	110036	22.664	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	110036	68.831	ug/l #	15

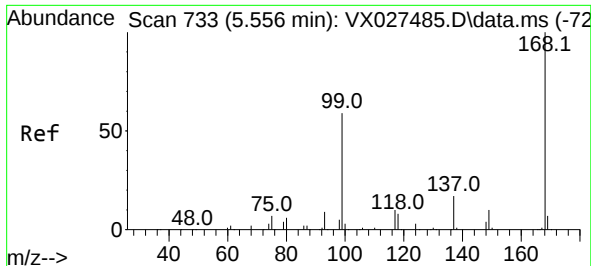
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 22 05:48:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration

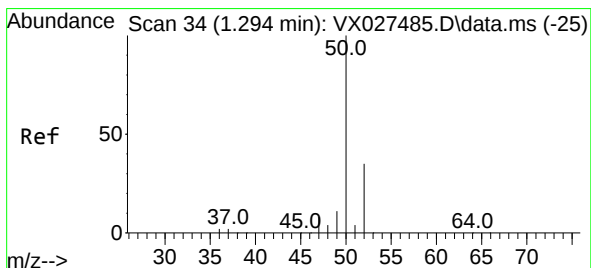
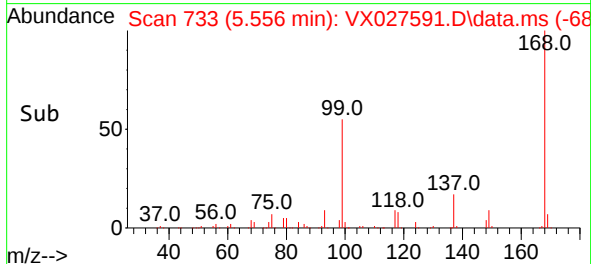
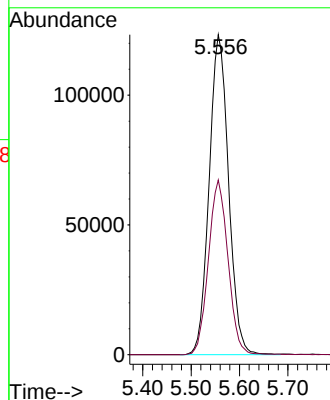
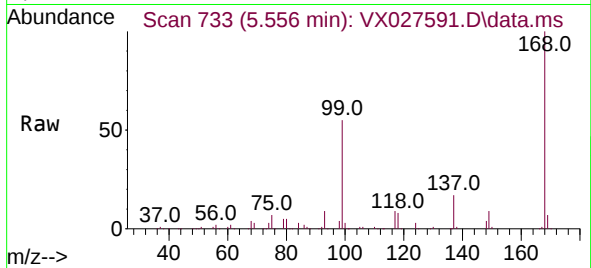




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

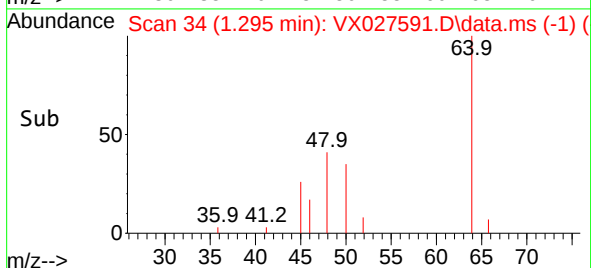
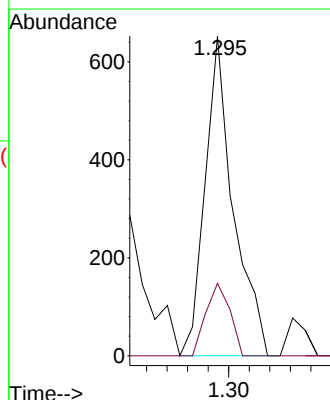
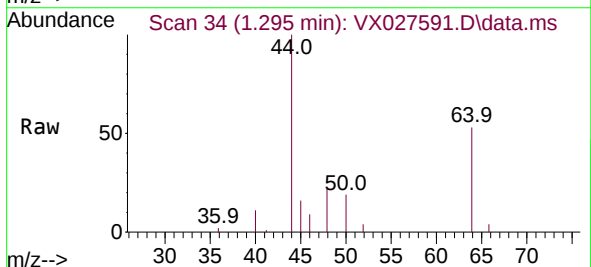
Instrument :
MSVOA_X
ClientSampleId :

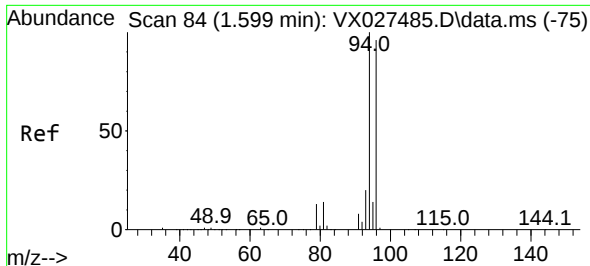
Tgt Ion:168 Resp: 344045
Ion Ratio Lower Upper
168 100
99 54.6 41.7 62.5



#3
Chloromethane
Concen: 0.213 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Tgt Ion: 50 Resp: 623
Ion Ratio Lower Upper
50 100
52 22.7 26.4 39.6#

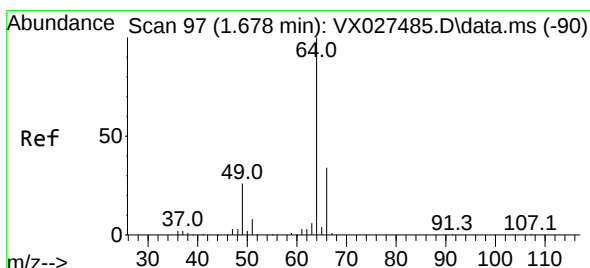
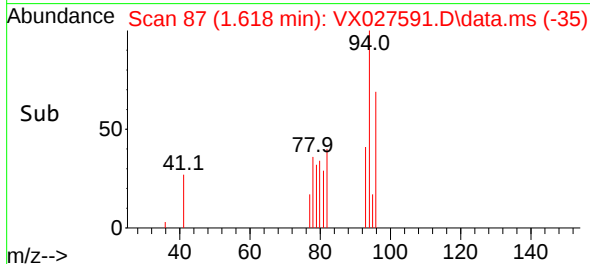
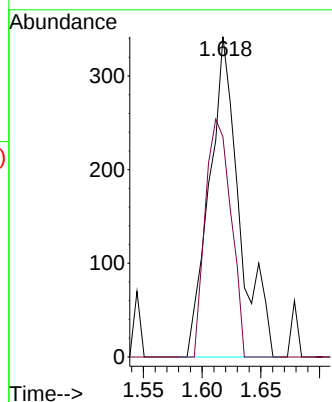
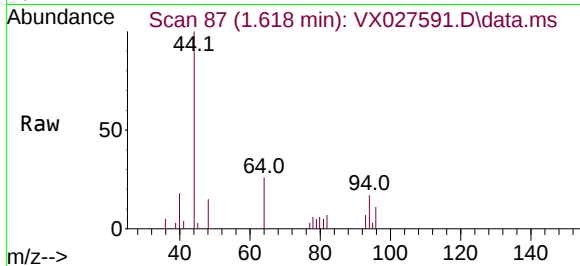




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

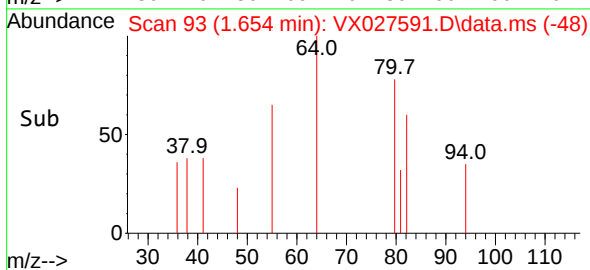
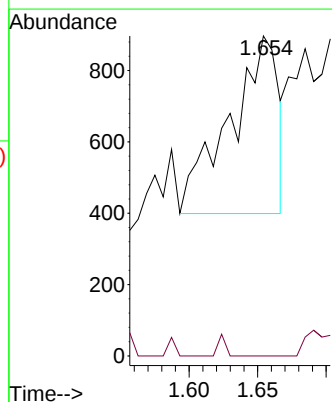
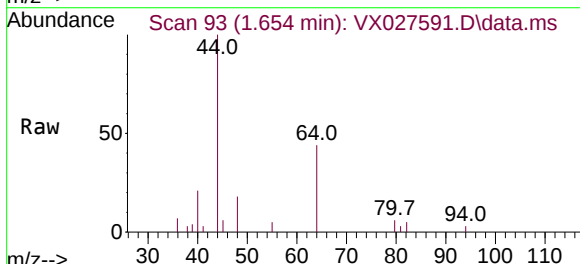
Instrument :
MSVOA_X
ClientSampleId :

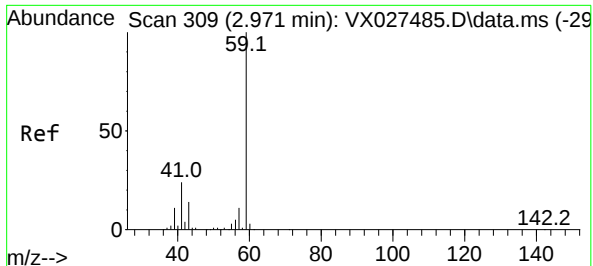
Tgt Ion: 94 Resp: 608
Ion Ratio Lower Upper
94 100
96 68.7 75.3 112.9#



#6
Chloroethane
Concen: 0.590 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.024 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Tgt Ion: 64 Resp: 1226
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: 1.915 ug/l

RT: 2.953 min Scan# 309

Delta R.T. -0.018 min

Lab File: VX027591.D

Acq: 21 Mar 2022 17:12

Instrument :

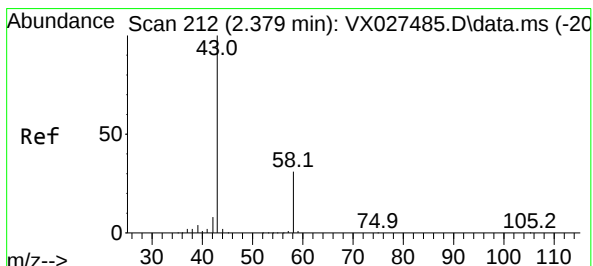
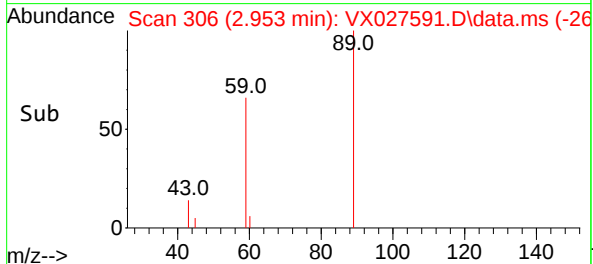
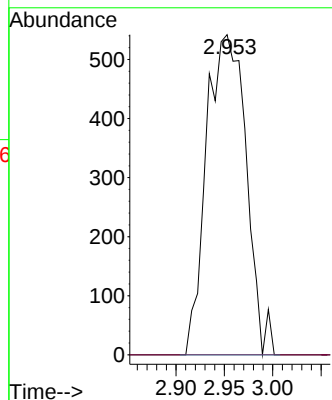
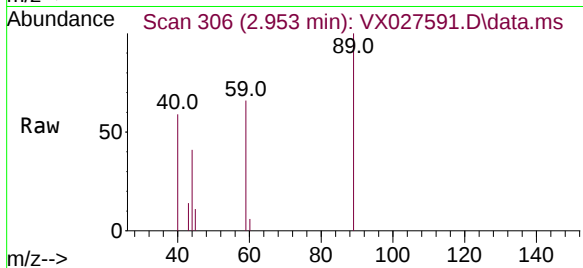
MSVOA_X

ClientSampleId :

Tgt Ion: 59 Resp: 1547

Ion Ratio Lower Upper

59 100
57 0.0 8.3 12.5#



#16

Acetone

Concen: 3.196 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

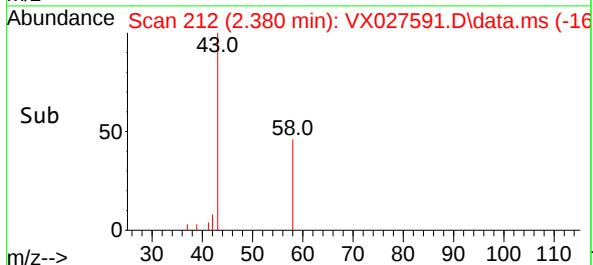
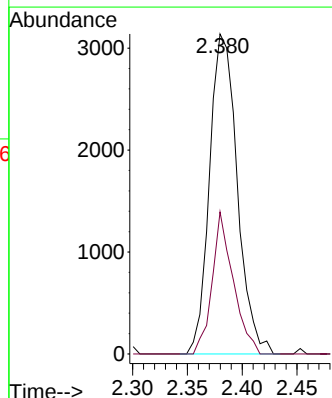
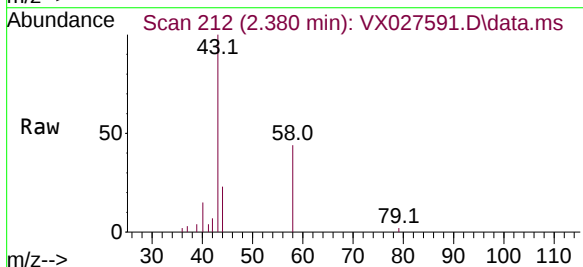
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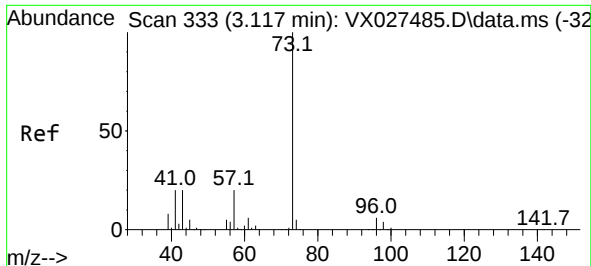
Acq: 21 Mar 2022 17:12

Tgt Ion: 43 Resp: 5521

Ion Ratio Lower Upper

43 100
58 44.4 28.8 43.2#





#19

Methyl tert-butyl Ether

Concen: 1.462 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX027591.D

Acq: 21 Mar 2022 17:12

Instrument :

MSVOA_X

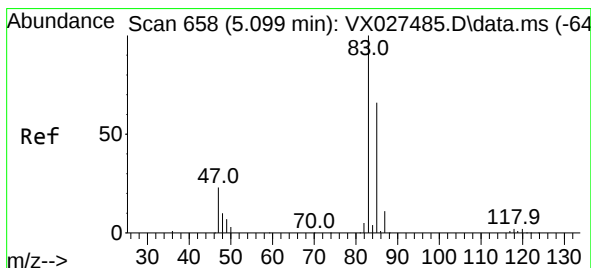
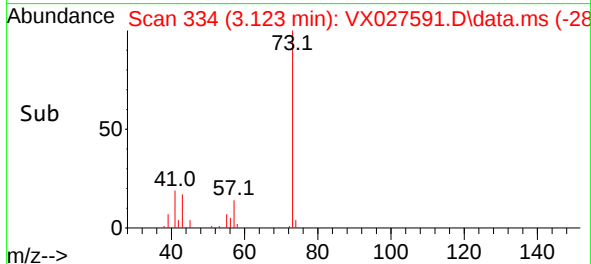
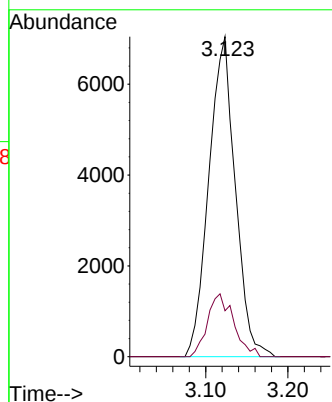
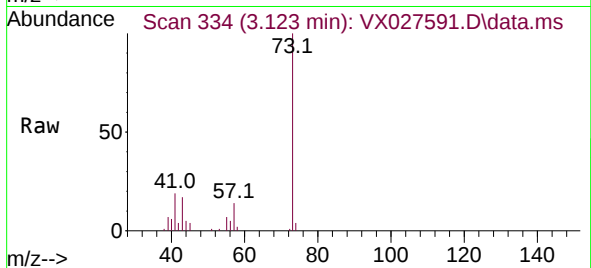
ClientSampleId :

Tgt Ion: 73 Resp: 15757

Ion Ratio Lower Upper

73 100

57 14.4 16.8 25.2#



#30

Chloroform

Concen: 0.512 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX027591.D

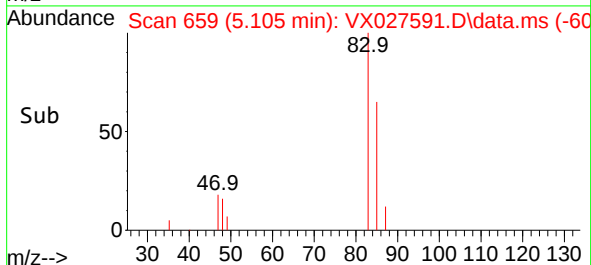
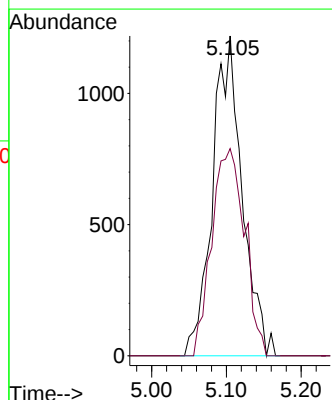
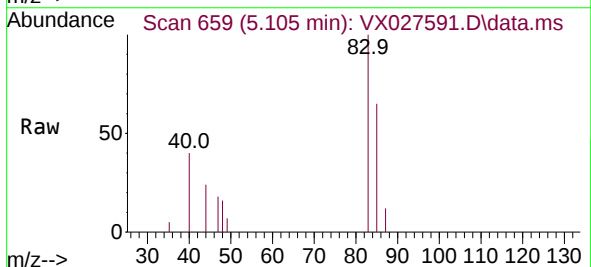
Acq: 21 Mar 2022 17:12

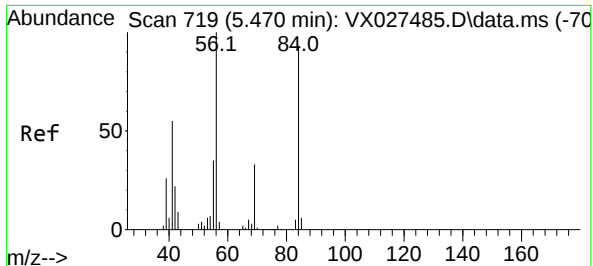
Tgt Ion: 83 Resp: 3356

Ion Ratio Lower Upper

83 100

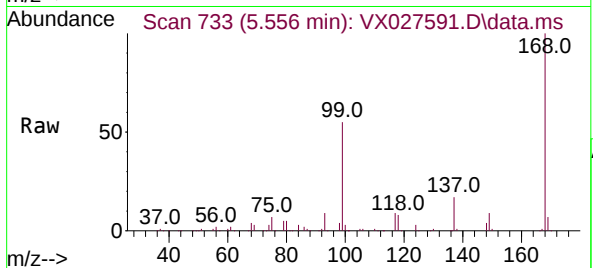
85 64.8 52.7 79.1



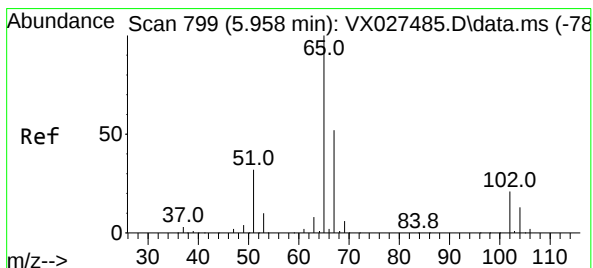
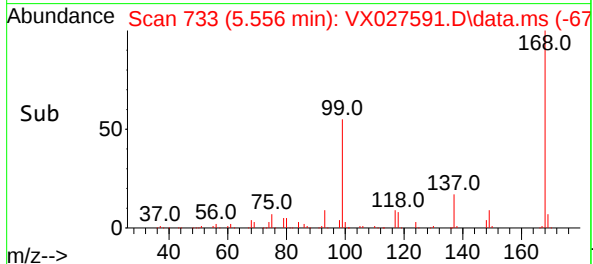
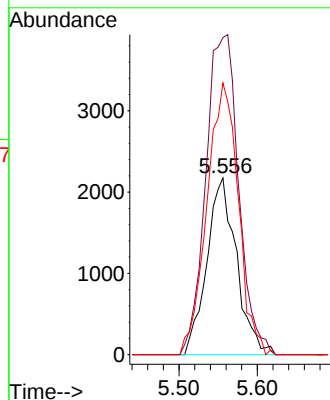


#31
Cyclohexane
Concen: 1.086 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Instrument :
MSVOA_X
ClientSampleId :

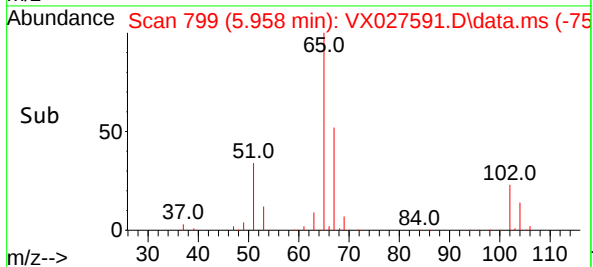
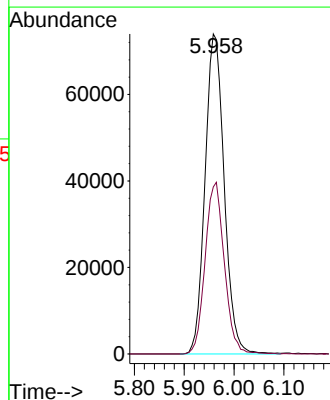
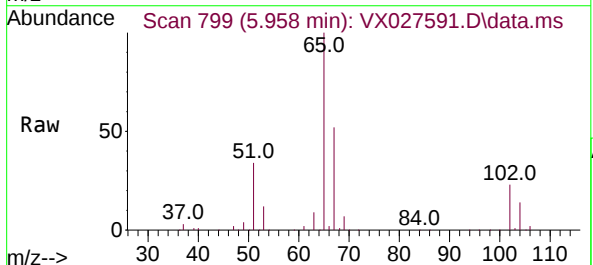


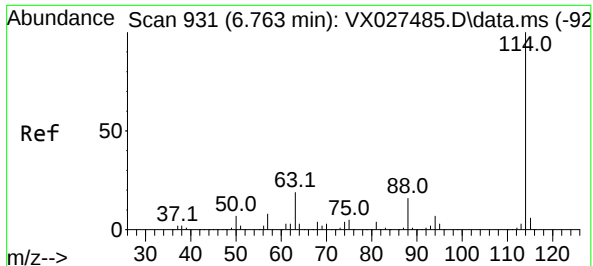
Tgt Ion: 56 Resp: 5717
Ion Ratio Lower Upper
56 100
69 179.6 26.7 40.1#
84 153.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 46.632 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Tgt Ion: 65 Resp: 197640
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.4

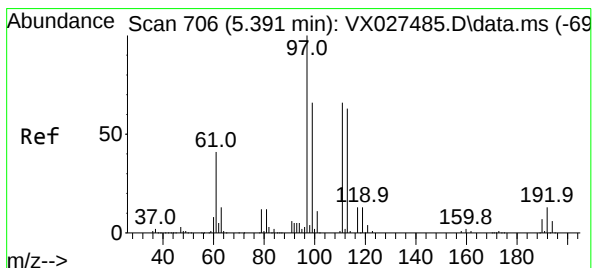
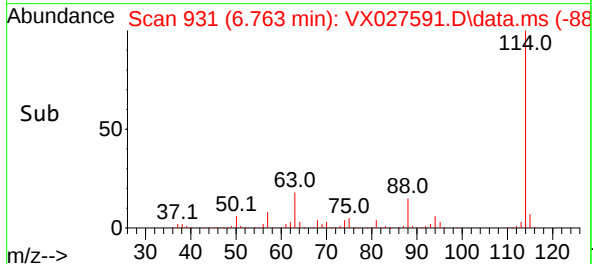
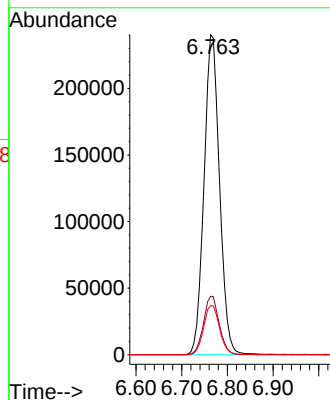
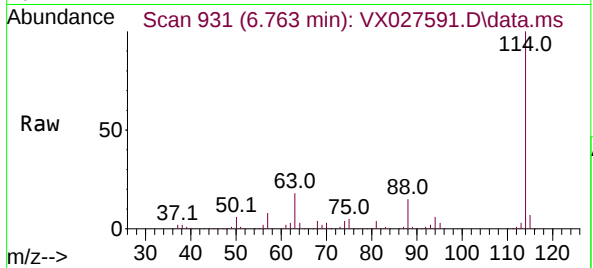




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

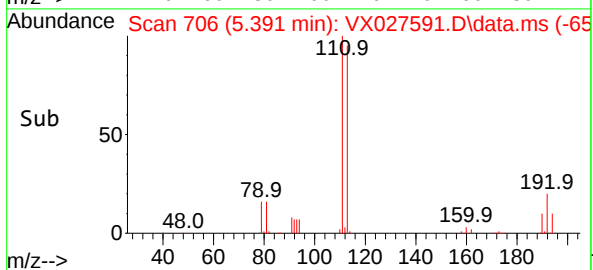
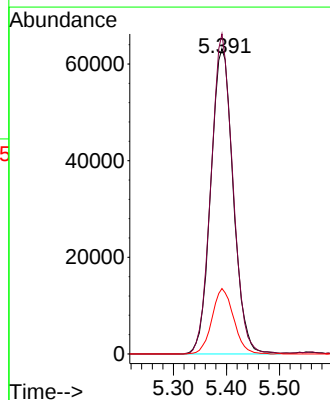
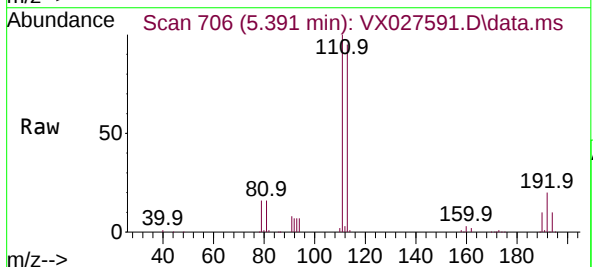
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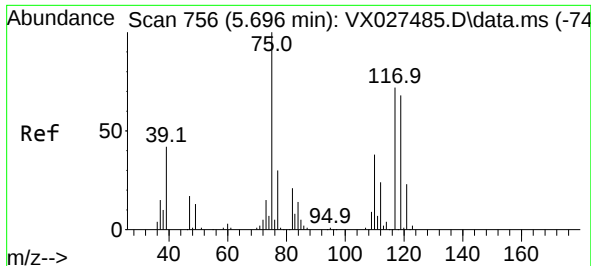
Tgt Ion:114 Resp: 566972
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.8
88 15.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.906 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

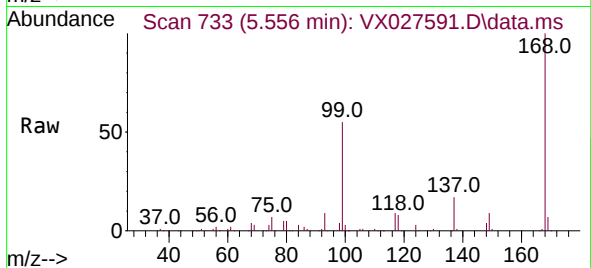
Tgt Ion:113 Resp: 185693
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 20.7 16.9 25.3



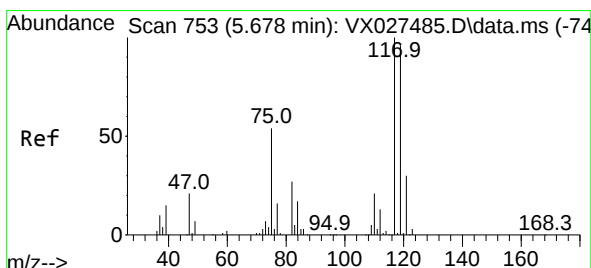
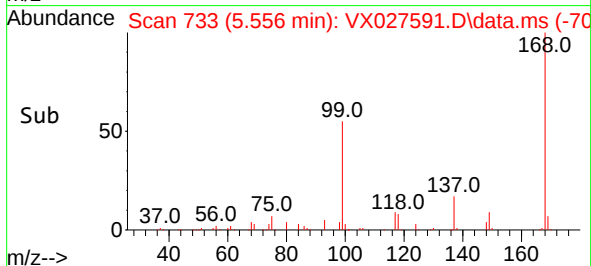
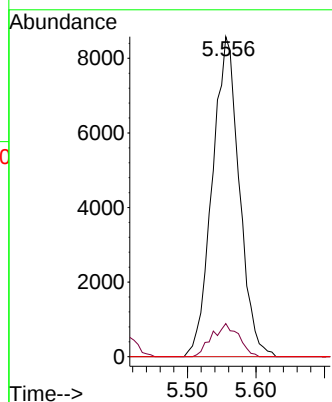


#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Instrument :
MSVOA_X
ClientSampleId :

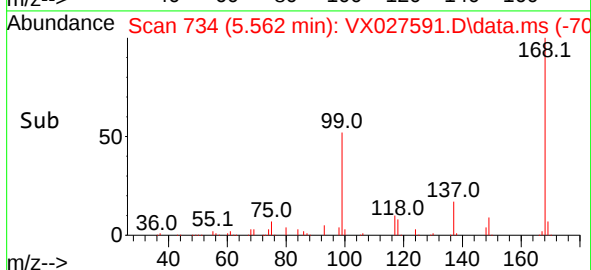
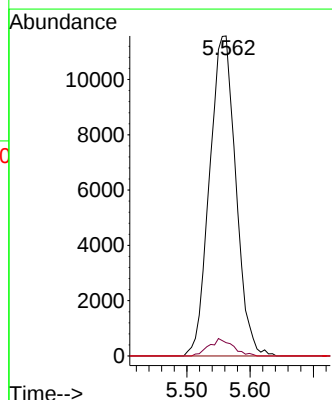
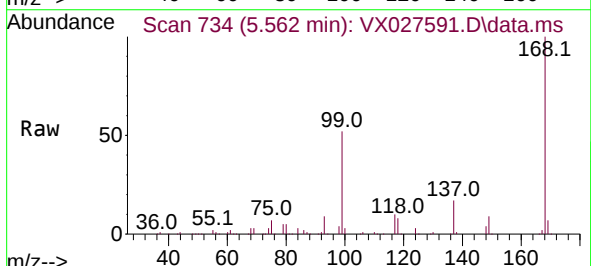


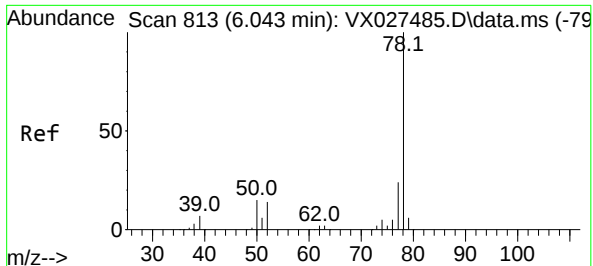
Tgt Ion: 75 Resp: 23449
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Tgt Ion: 117 Resp: 33331
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#

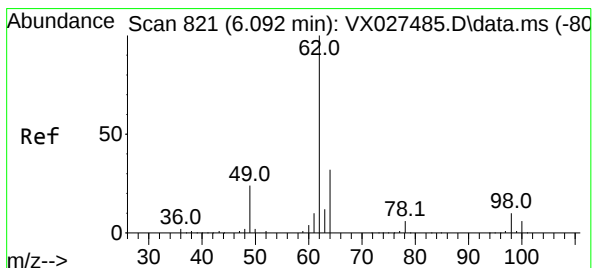
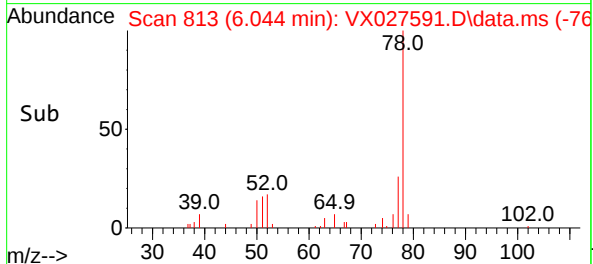
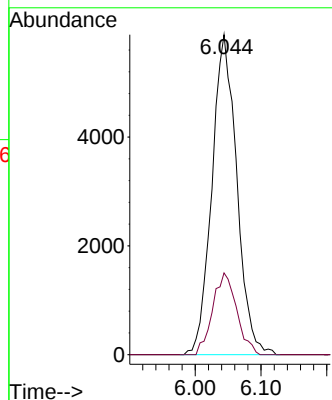
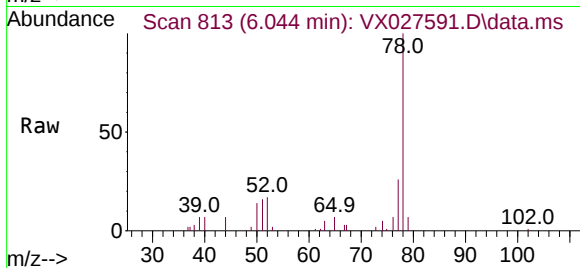




#40
Benzene
Concen: 1.082 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

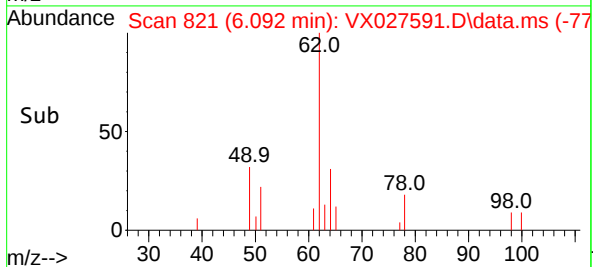
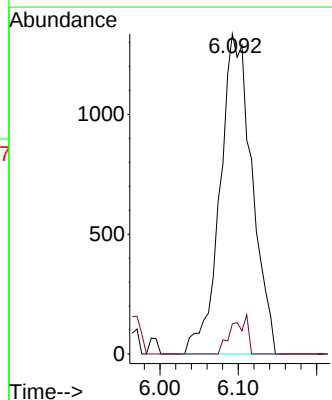
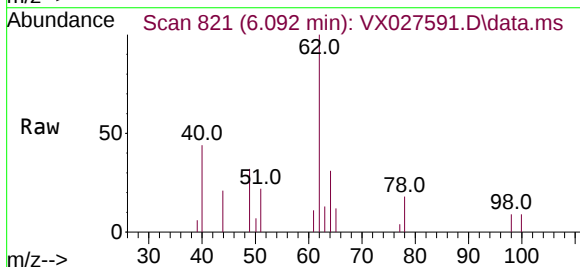
Instrument :
MSVOA_X
ClientSampleId :

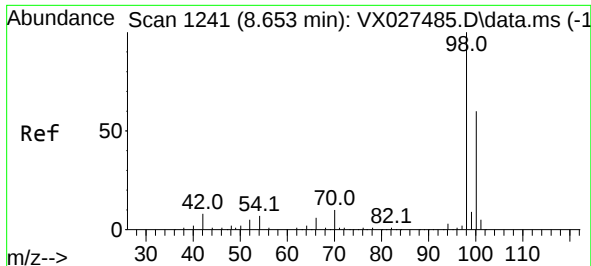
Tgt Ion: 78 Resp: 15478
Ion Ratio Lower Upper
78 100
77 25.6 19.3 28.9



#42
1,2-Dichloroethane
Concen: 0.707 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Tgt Ion: 62 Resp: 3790
Ion Ratio Lower Upper
62 100
98 6.1 0.0 20.4

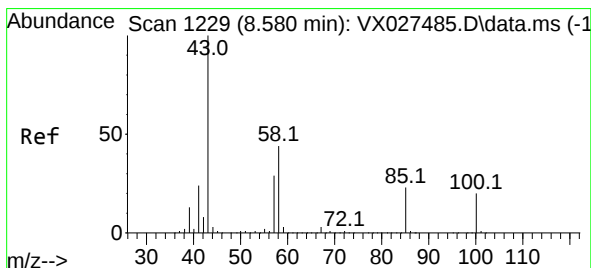
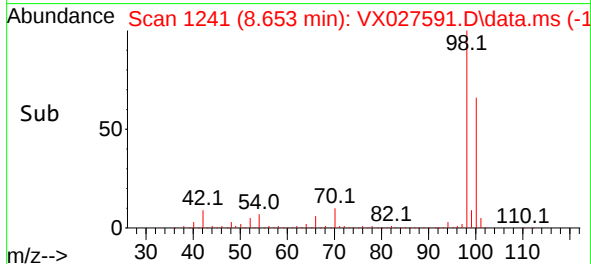
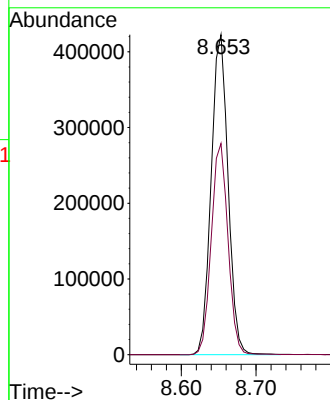
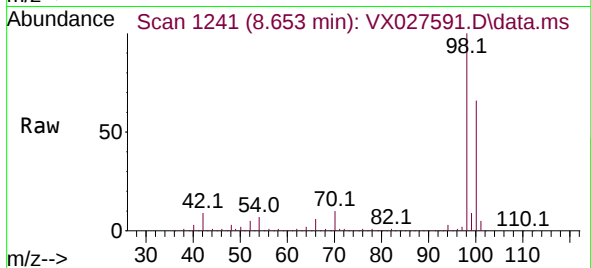




#50
Toluene-d8
Concen: 48.030 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

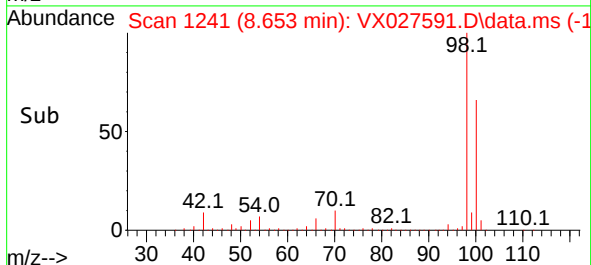
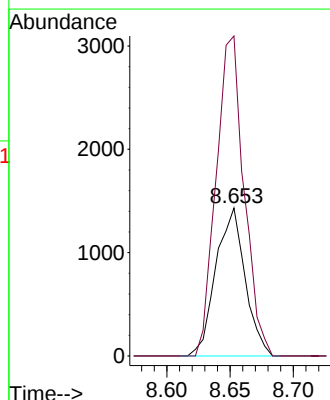
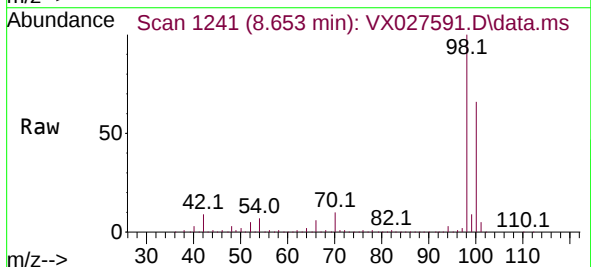
Instrument :
MSVOA_X
ClientSampleId :

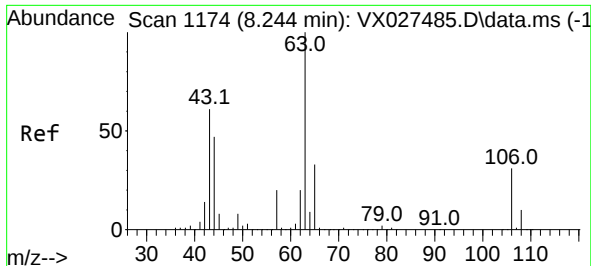
Tgt Ion: 98 Resp: 662990
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.451 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
58 206.5 36.1 54.1#

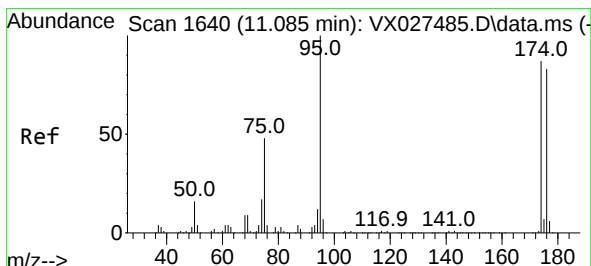
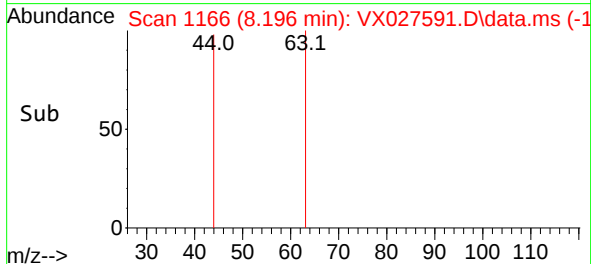
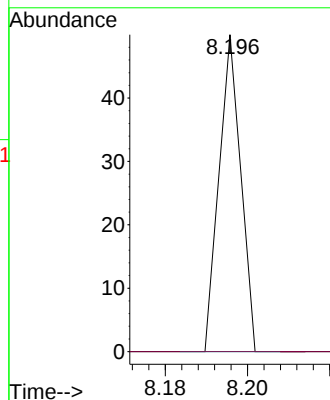
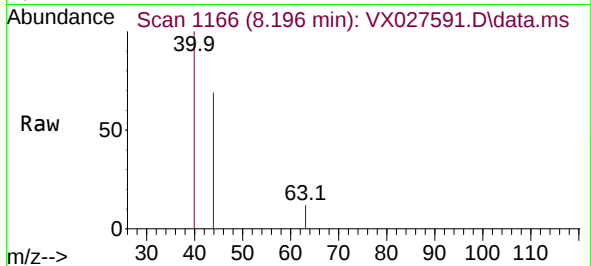




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 8.196 min Scan# 1174
Delta R.T. -0.048 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

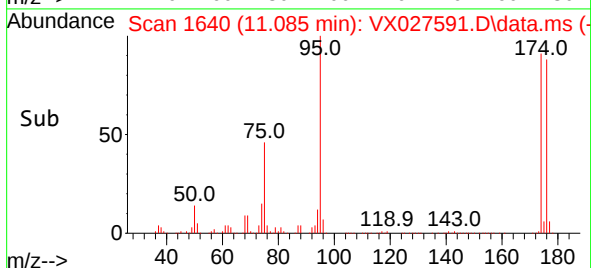
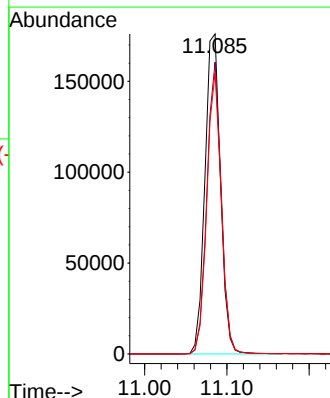
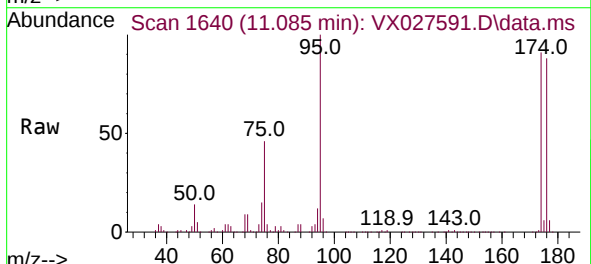
Instrument :
MSVOA_X
ClientSampleId :

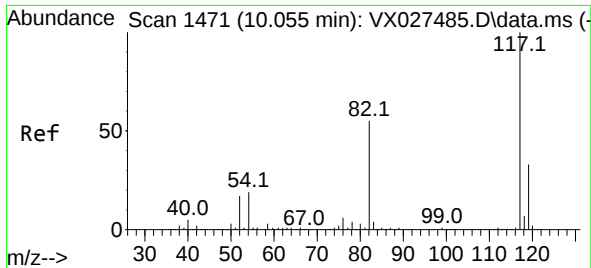
Tgt Ion: 63 Resp: 18
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#62
4-Bromofluorobenzene
Concen: 45.573 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

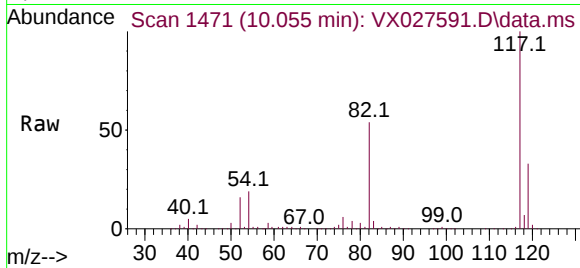
Tgt Ion: 95 Resp: 231221
Ion Ratio Lower Upper
95 100
174 84.8 0.0 163.0
176 81.6 0.0 155.0



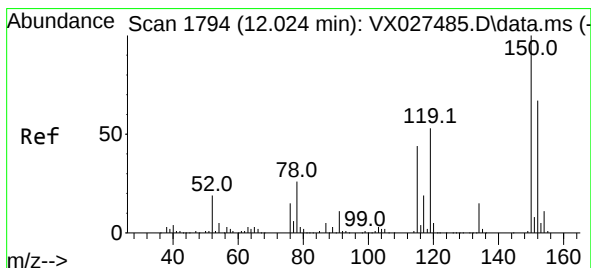
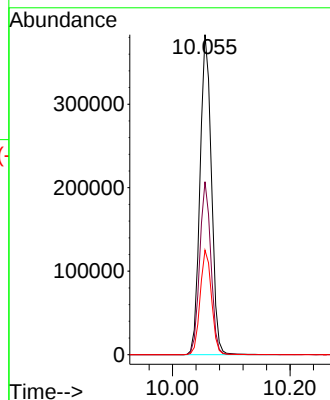
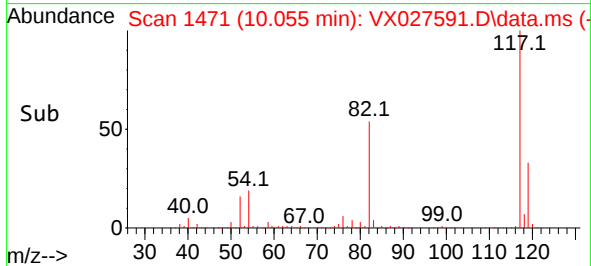


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Instrument :
MSVOA_X
ClientSampleId :

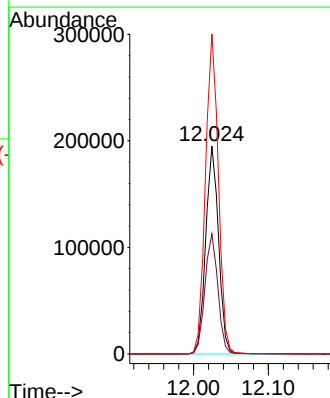
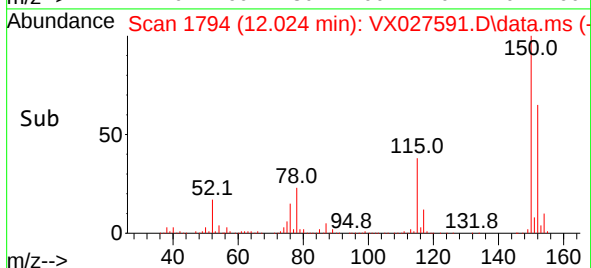
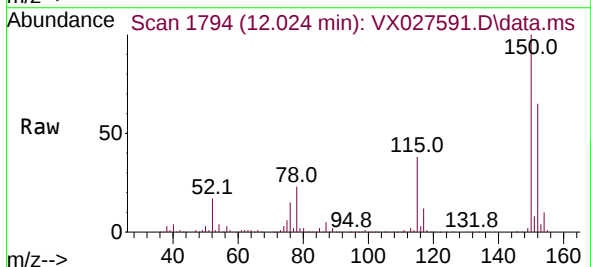


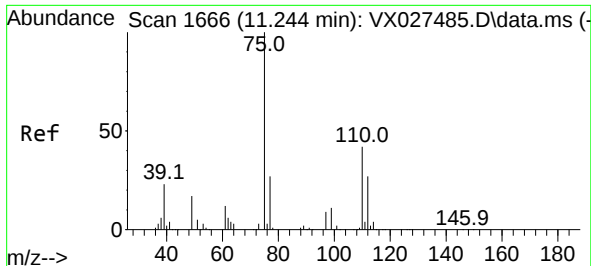
Tgt Ion:117 Resp: 517413
Ion Ratio Lower Upper
117 100
82 54.0 41.8 62.8
119 32.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Tgt Ion:152 Resp: 232117
Ion Ratio Lower Upper
152 100
115 58.5 37.5 112.7
150 155.6 0.0 338.2

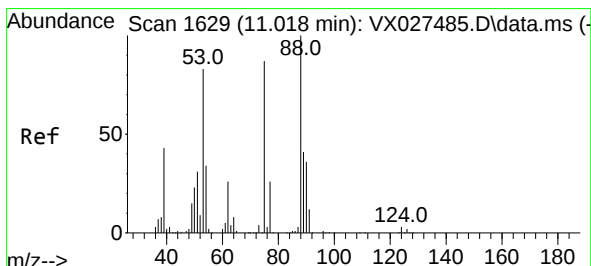
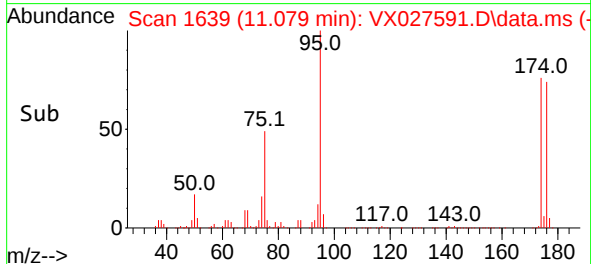
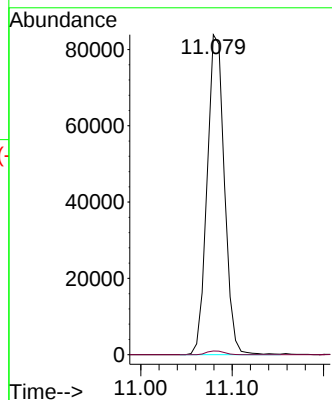
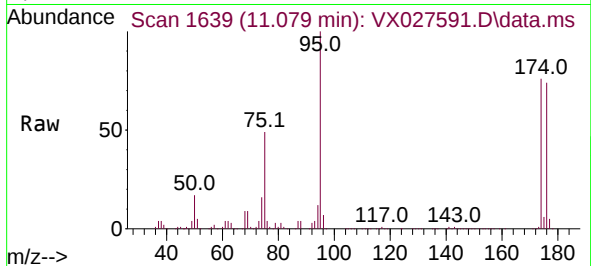




#76
1,2,3-Trichloropropane
Concen: 22.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 110036
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.831 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027591.D
Acq: 21 Mar 2022 17:12

Tgt Ion: 75 Resp: 110036
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

