

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072621\
 Data File : VX023454.D
 Acq On : 26 Jul 2021 16:24
 Operator : JC/MD
 Sample : M3146-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 03:28:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	158484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	267769	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84550	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103388	52.30	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.60%
35) Dibromofluoromethane	5.397	113	85772	51.23	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.46%
50) Toluene-d8	8.653	98	321376	52.25	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.50%
62) 4-Bromofluorobenzene	11.085	95	96583	46.18	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.36%

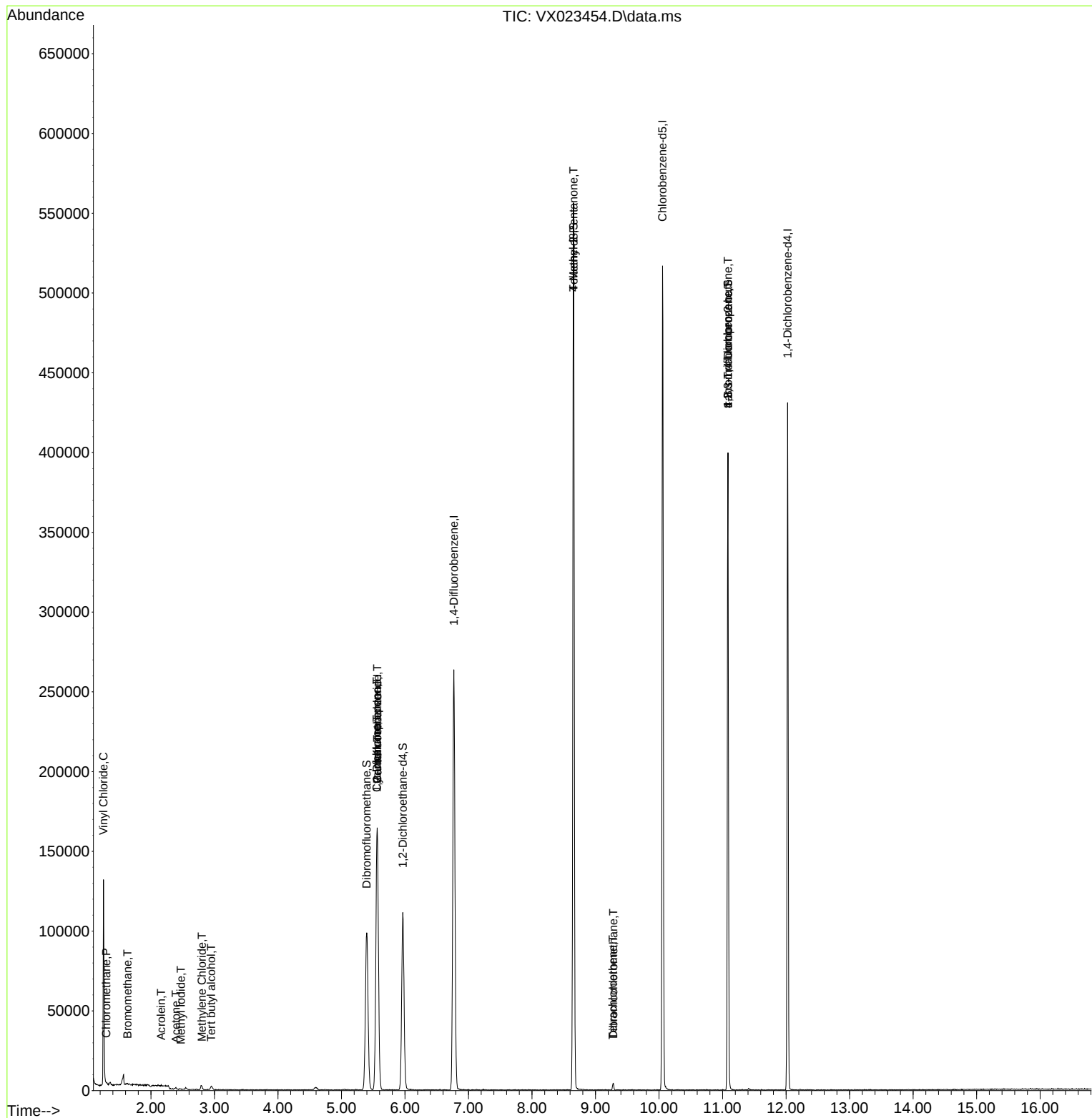
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.294	50	500	0.29	ug/l #	78
4) Vinyl Chloride	1.252	62	1117	0.65	ug/l #	1
5) Bromomethane	1.630	94	668	0.65	ug/l #	45
10) Methyl Iodide	2.471	142	450	0.23	ug/l #	77
11) Tert butyl alcohol	2.947	59	1504	3.33	ug/l #	73
13) Acrolein	2.160	56	28	1.49	ug/l #	1
16) Acetone	2.392	43	1119	1.15	ug/l #	69
20) Methylene Chloride	2.800	84	1212	0.64	ug/l	93
31) Cyclohexane	5.556	56	3541	1.21	ug/l #	23
36) 1,1-Dichloropropene	5.556	75	11900	4.91	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15954	6.48	ug/l #	17
51) 4-Methyl-2-Pentanone	8.653	43	1466	0.51	ug/l #	1
60) Dibromochloromethane	9.281	129	807	2.37	ug/l #	11
64) Tetrachloroethene	9.275	164	653	0.35	ug/l #	84
76) 1,2,3-Trichloropropane	11.085	75	50383	27.08	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	50383	72.81	ug/l #	12

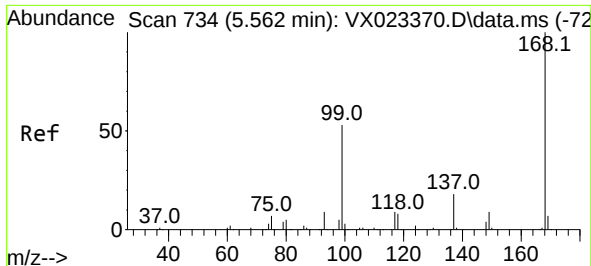
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
Quant Title : SW846 8260
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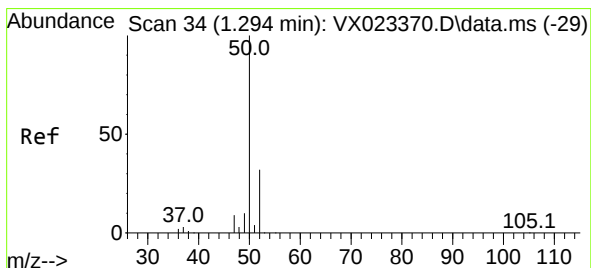
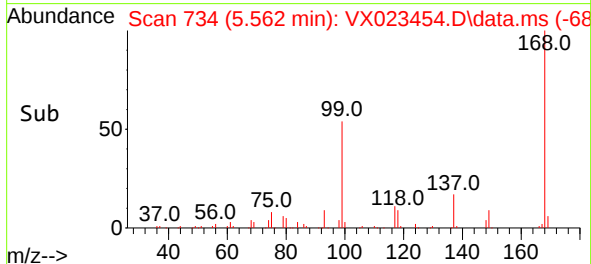
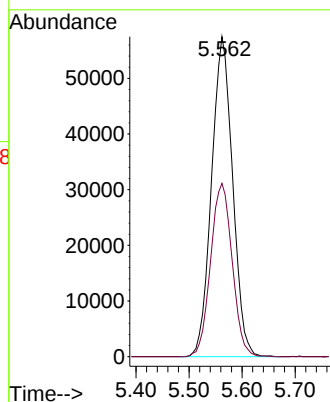
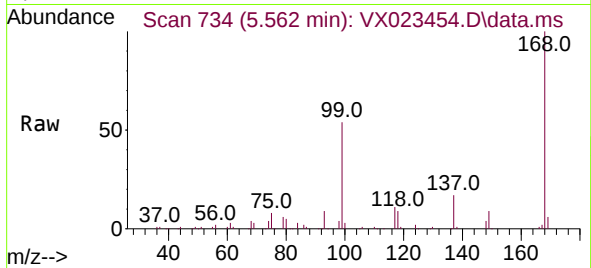




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

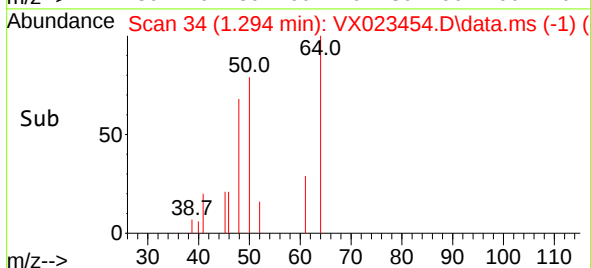
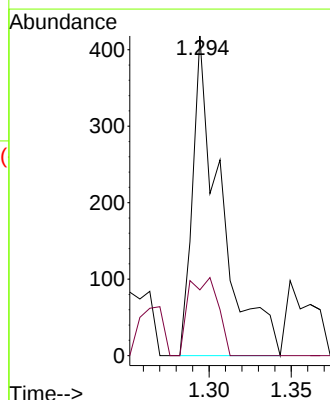
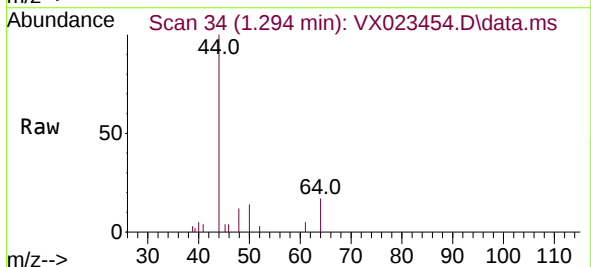
Instrument :
MSVOA_X
ClientSampled :

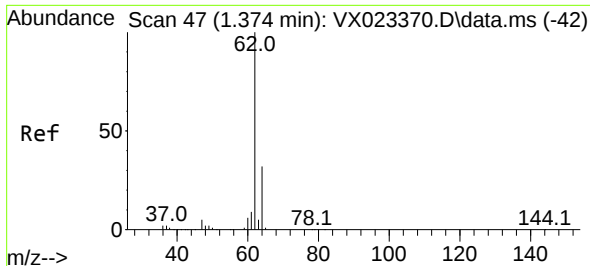
Tgt Ion:168 Resp: 158484
Ion Ratio Lower Upper
168 100
99 54.2 45.8 68.6



#3
Chloromethane
Concen: 0.29 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

Tgt Ion: 50 Resp: 500
Ion Ratio Lower Upper
50 100
52 20.6 26.4 39.6#

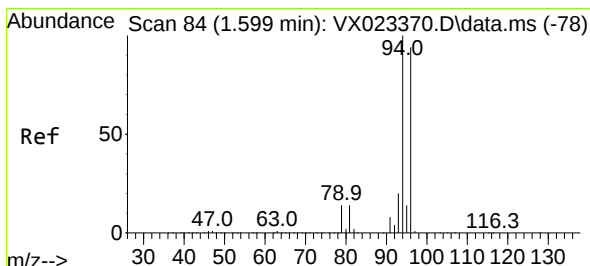
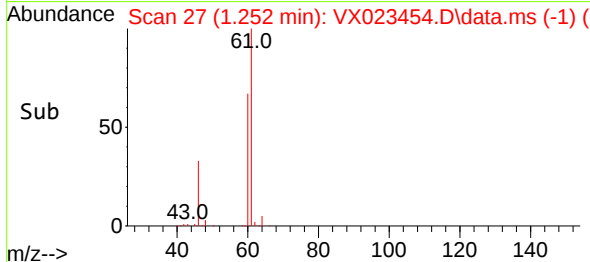
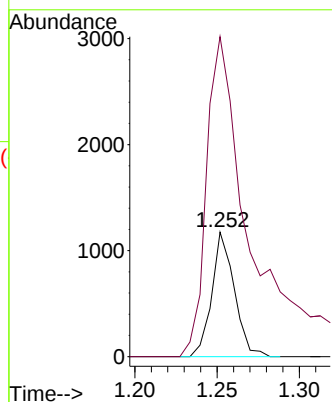
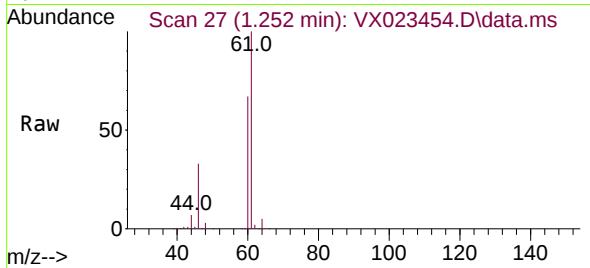




#4
 Vinyl Chloride
 Concen: 0.65 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023454.D
 Acq: 26 Jul 2021 16:24

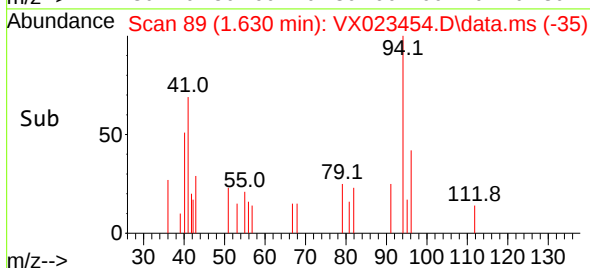
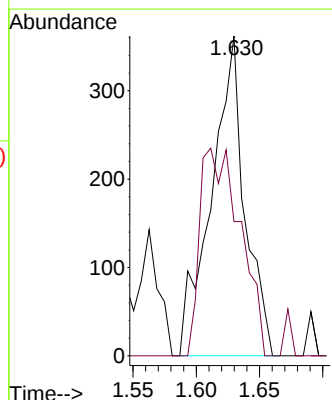
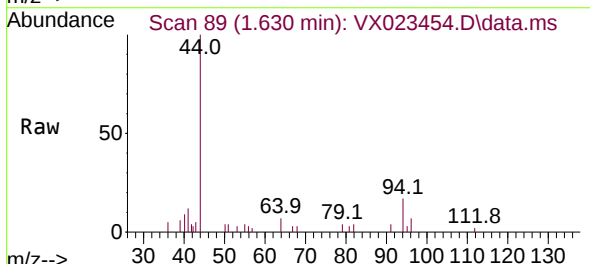
Instrument :
 MSVOA_X
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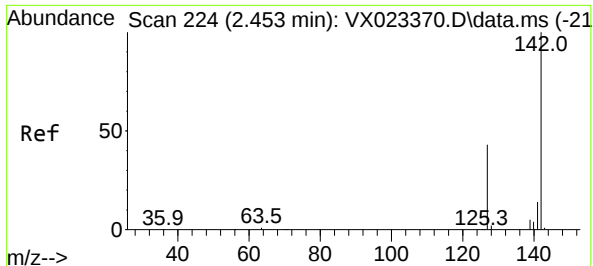
Tgt Ion: 62 Resp: 1117
 Ion Ratio Lower Upper
 62 100
 64 257.1 25.7 38.5#



#5
 Bromomethane
 Concen: 0.65 ug/l
 RT: 1.630 min Scan# 89
 Delta R.T. 0.031 min
 Lab File: VX023454.D
 Acq: 26 Jul 2021 16:24

Tgt Ion: 94 Resp: 668
 Ion Ratio Lower Upper
 94 100
 96 42.0 76.4 114.6#

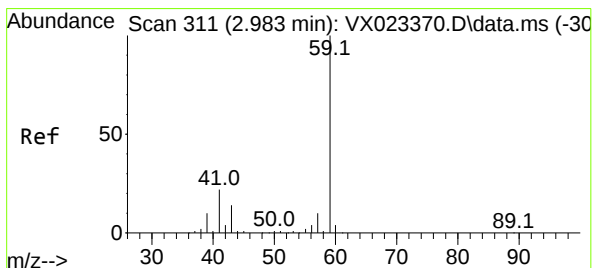
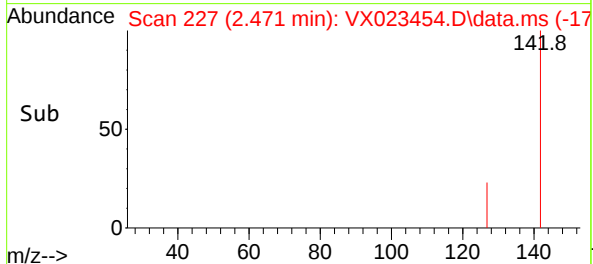
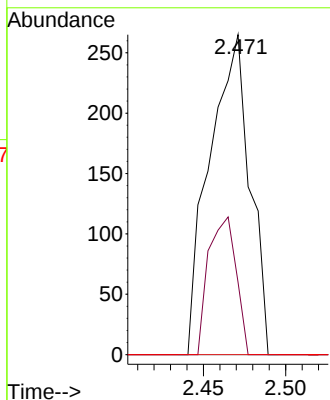
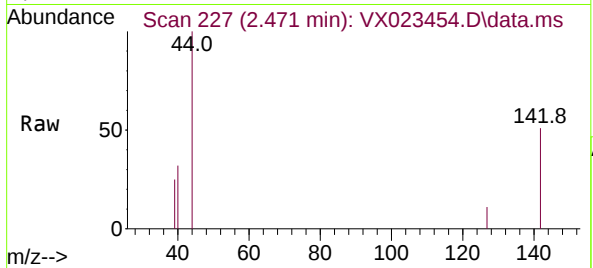




#10
Methyl Iodide
Concen: 0.23 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

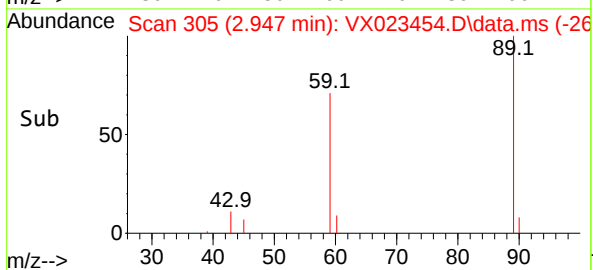
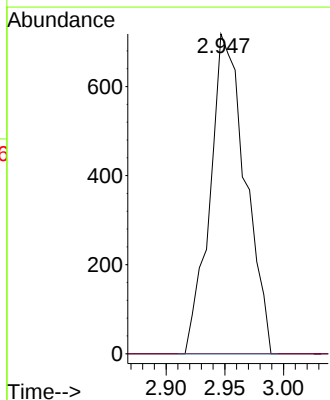
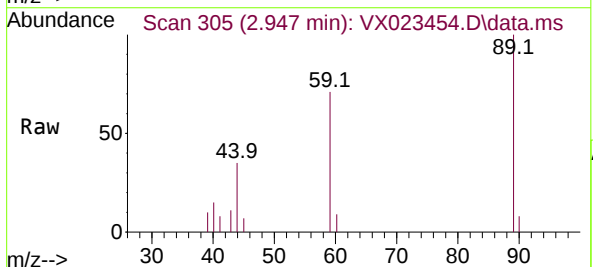
Instrument :
MSVOA_X
ClientSampleId :

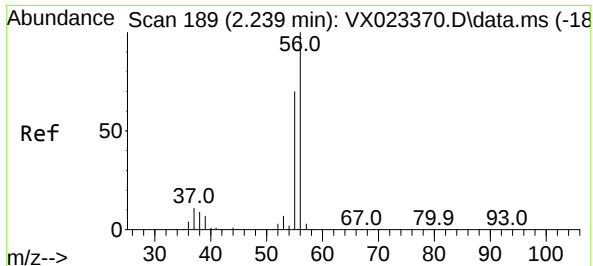
Tgt Ion:142 Resp: 450
Ion Ratio Lower Upper
142 100
127 29.6 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.33 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

Tgt Ion: 59 Resp: 1504
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

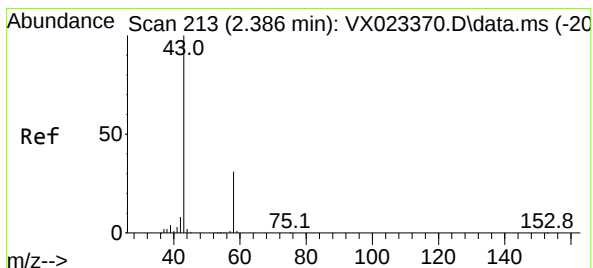
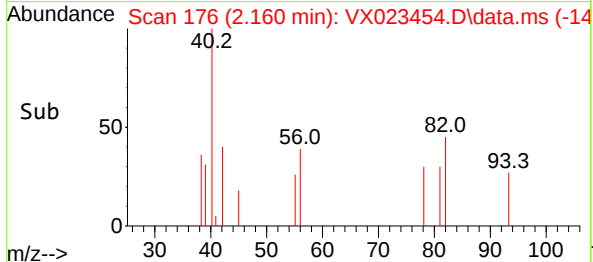
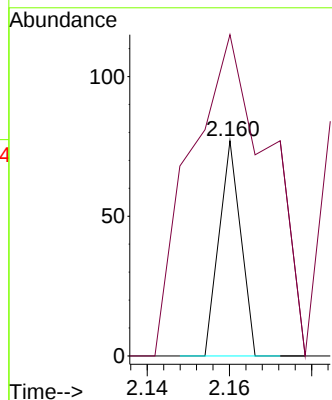
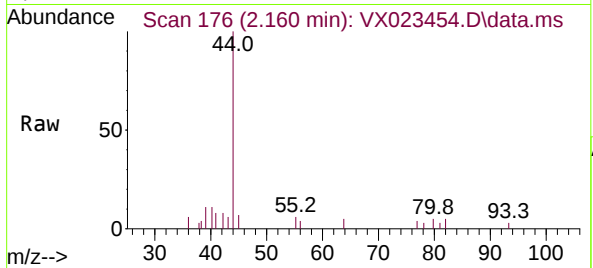




#13
Acrolein
Concen: 1.49 ug/l
RT: 2.160 min Scan# 176
Delta R.T. -0.079 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

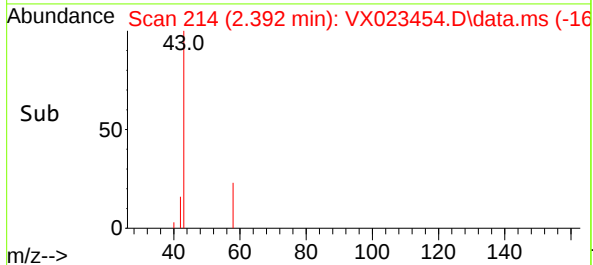
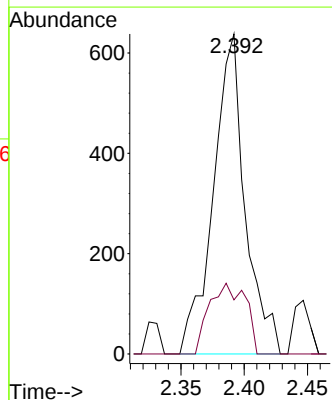
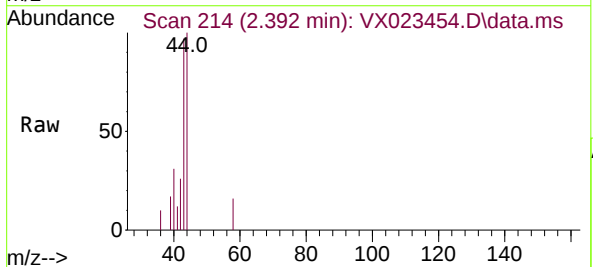
Instrument :
MSVOA_X
ClientSampleId :

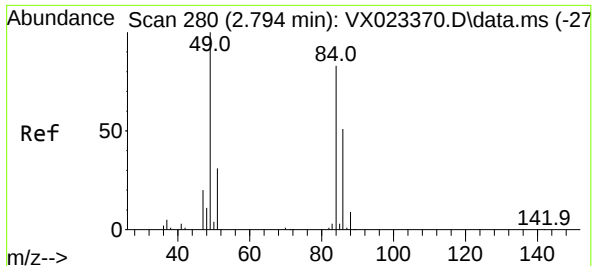
Tgt Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
55 539.3 56.4 84.6#



#16
Acetone
Concen: 1.15 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

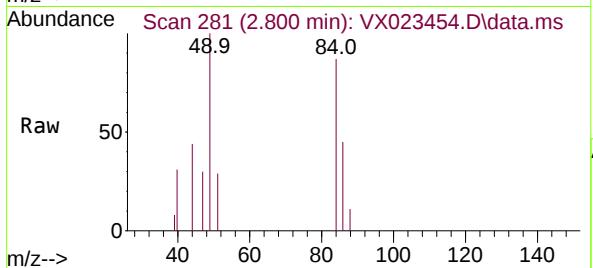
Tgt Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
58 16.9 27.8 41.8#



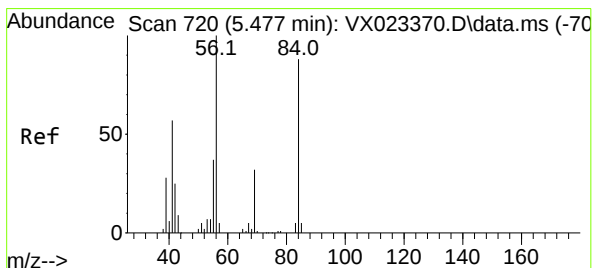
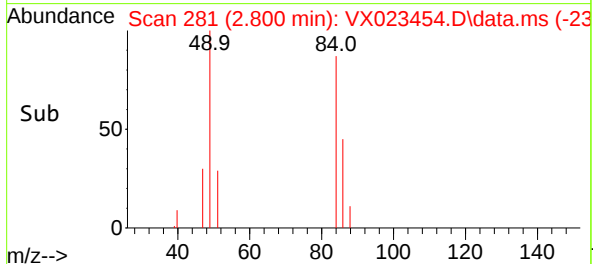
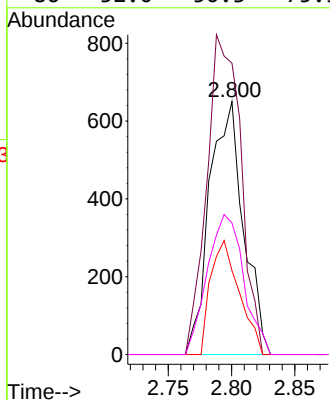


#20
Methylene Chloride
Concen: 0.64 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

Instrument :
MSVOA_X
ClientSampled :

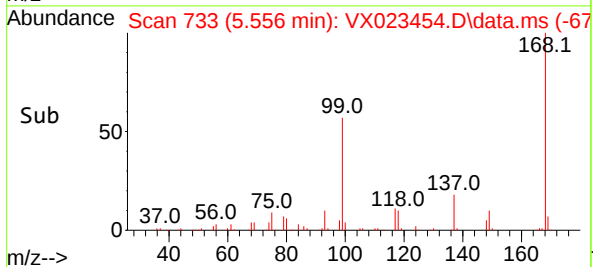
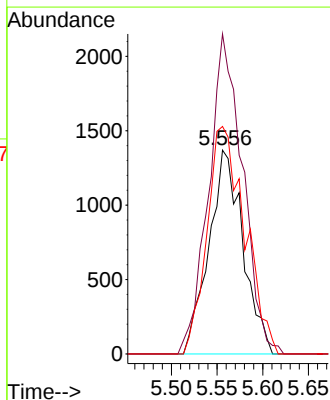
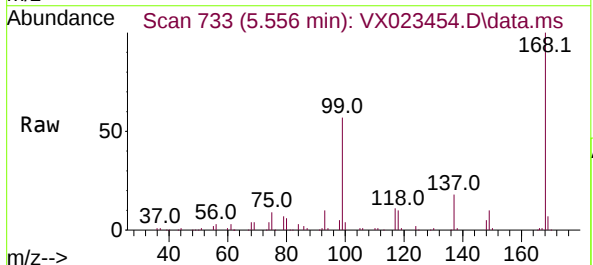


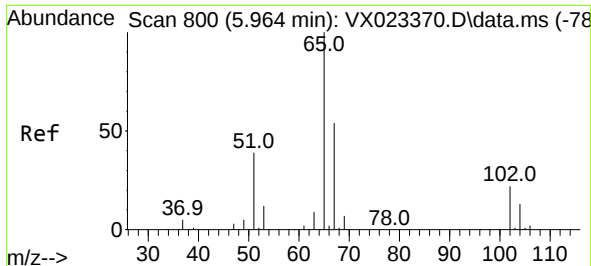
Tgt Ion:	84	Resp:	1212
Ion	Ratio	Lower	Upper
84	100		
49	115.2	88.6	132.8
51	33.2	27.0	40.6
86	52.0	50.3	75.5



#31
Cyclohexane
Concen: 1.21 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

Tgt Ion:	56	Resp:	3541
Ion	Ratio	Lower	Upper
56	100		
69	157.0	25.3	37.9#
84	111.6	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 52.30 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023454.D

Acq: 26 Jul 2021 16:24

Tgt Ion: 65 Resp: 103388

Ion Ratio Lower Upper

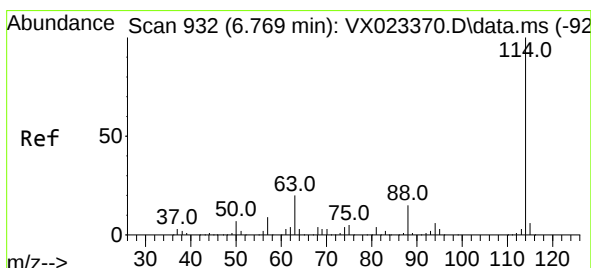
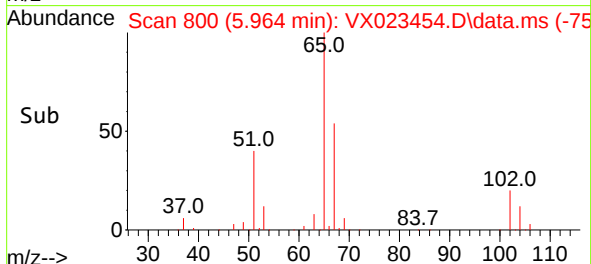
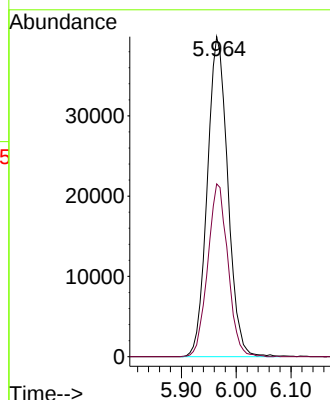
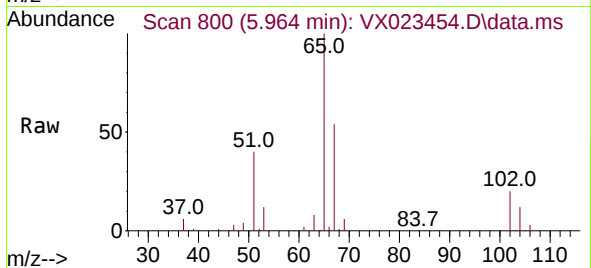
65 100

67 53.1 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX023454.D

Acq: 26 Jul 2021 16:24

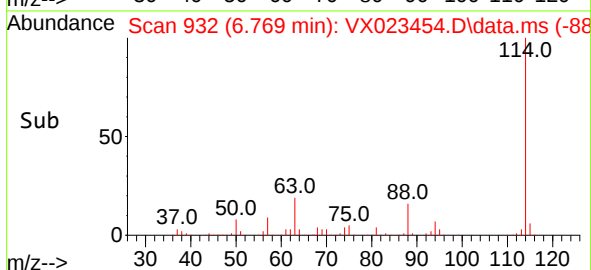
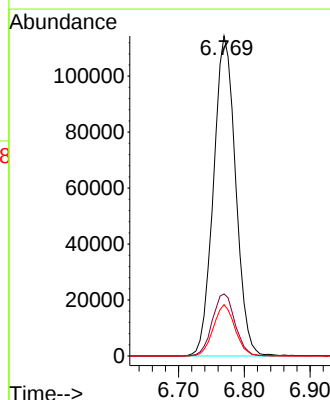
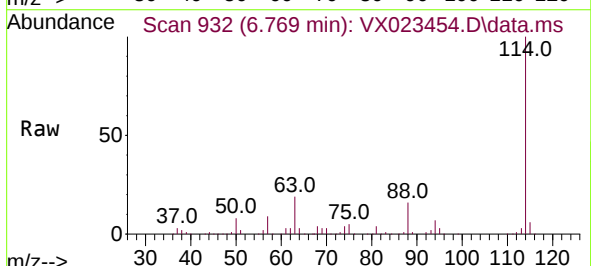
Tgt Ion: 114 Resp: 267769

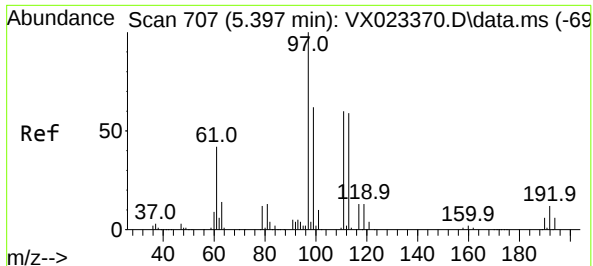
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.23 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023454.D

Acq: 26 Jul 2021 16:24

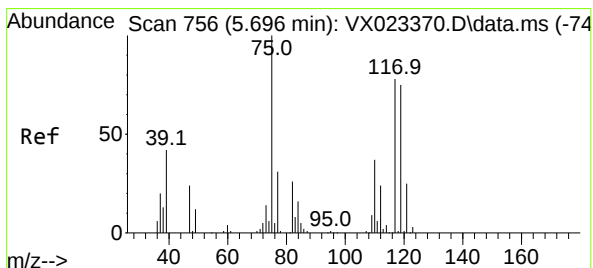
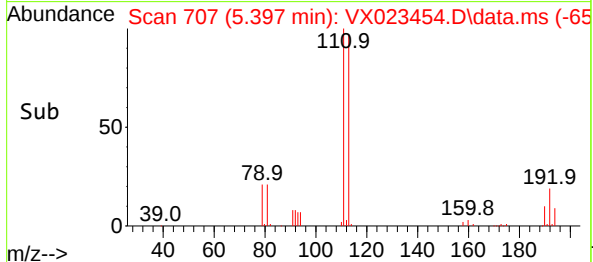
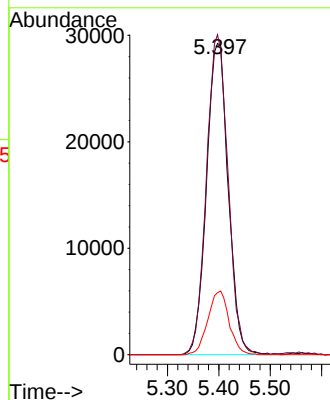
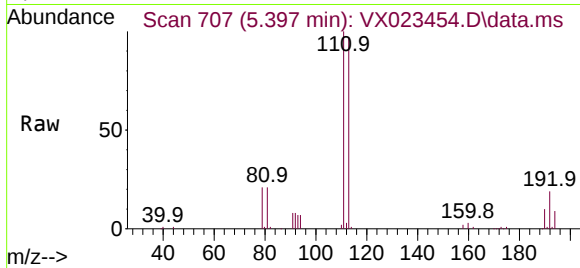
Tgt Ion:113 Resp: 85772

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

192 20.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.91 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023454.D

Acq: 26 Jul 2021 16:24

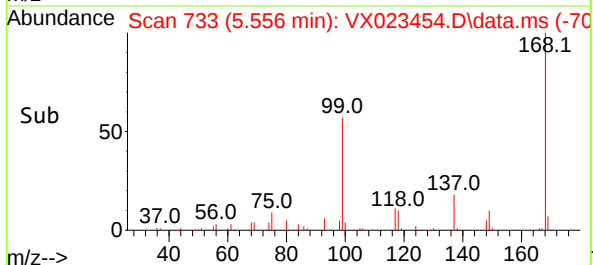
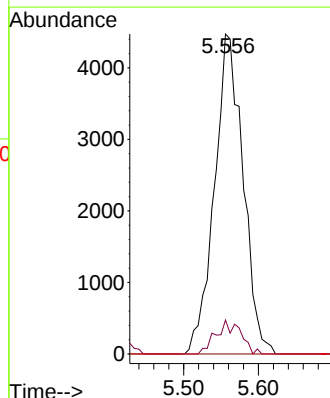
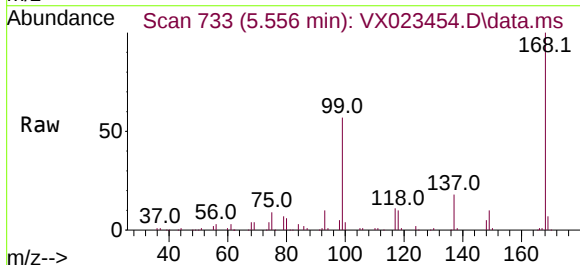
Tgt Ion: 75 Resp: 11900

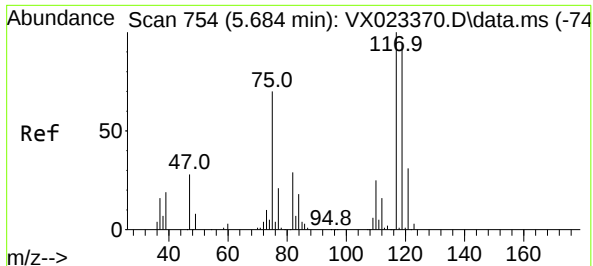
Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

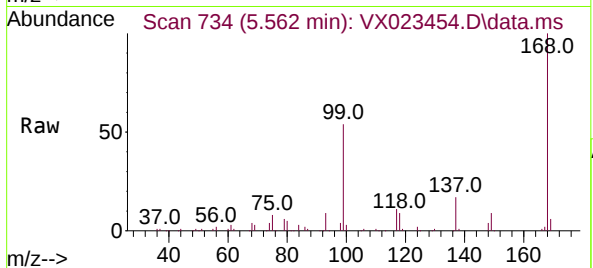
77 0.0 25.3 37.9#



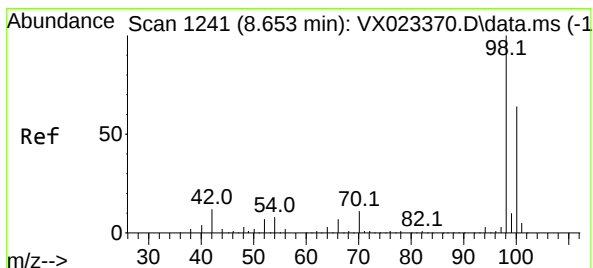
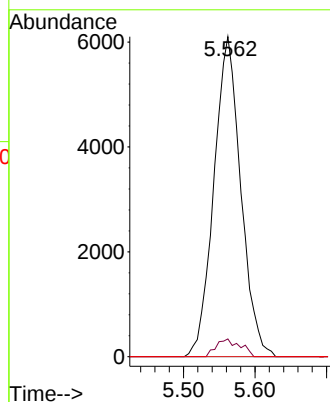
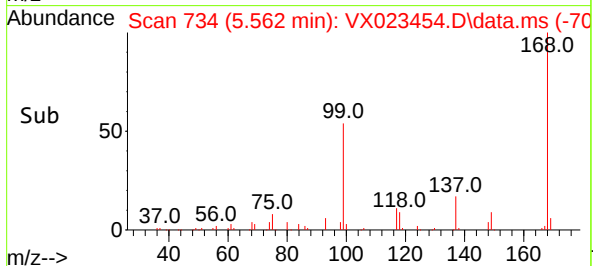


#38
Carbon Tetrachloride
Concen: 6.48 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

Instrument :
MSVOA_X
ClientSampleId :

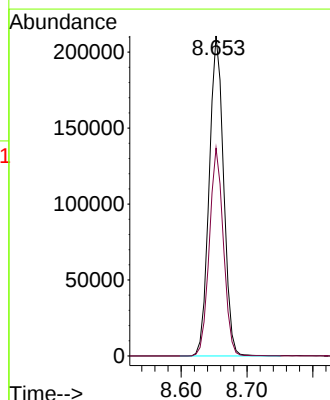
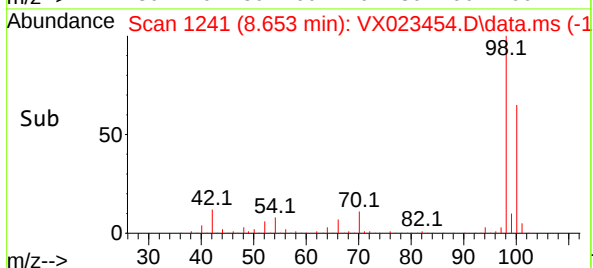
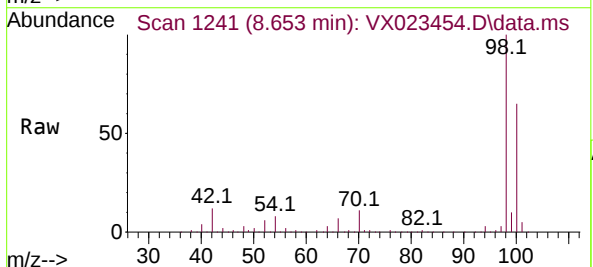


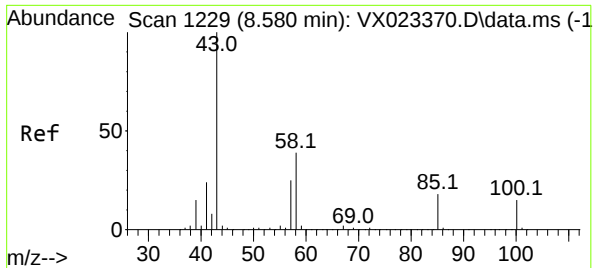
Tgt Ion:117 Resp: 15954
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.25 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

Tgt Ion: 98 Resp: 321376
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9

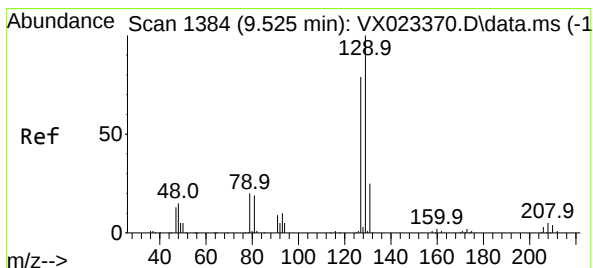
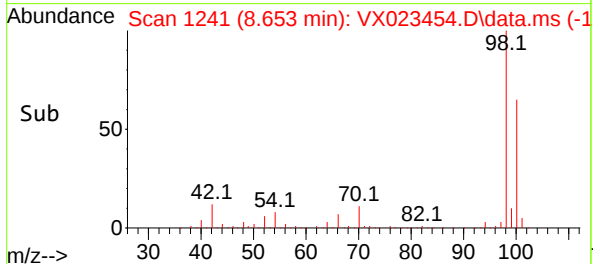
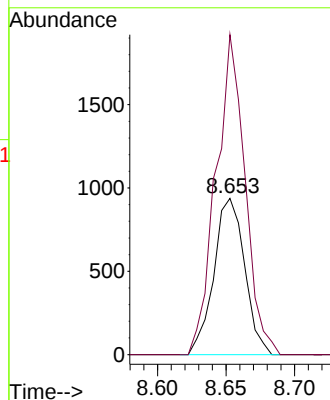
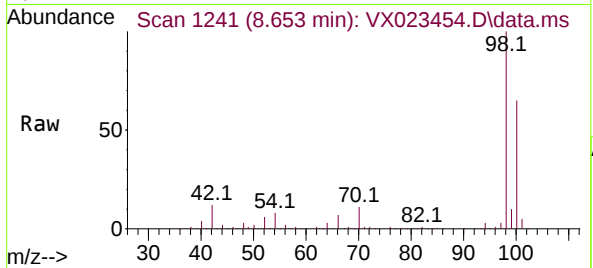




#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

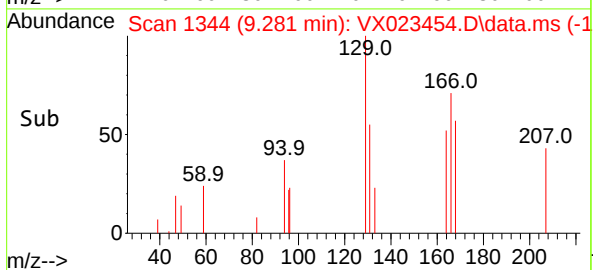
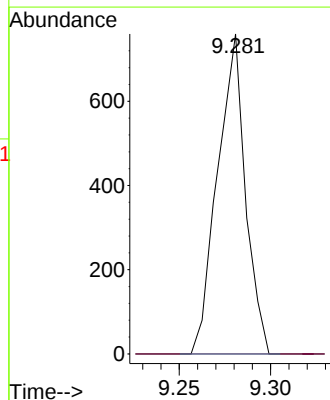
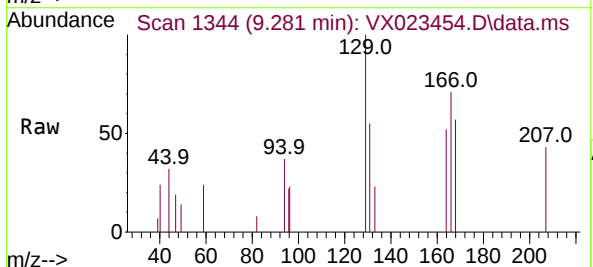
Instrument :
MSVOA_X
ClientSampled :

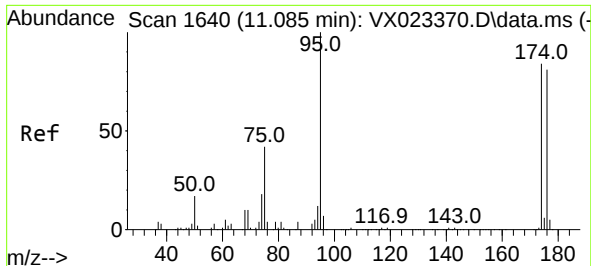
Tgt Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
58 193.9 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.37 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

Tgt Ion: 129 Resp: 807
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

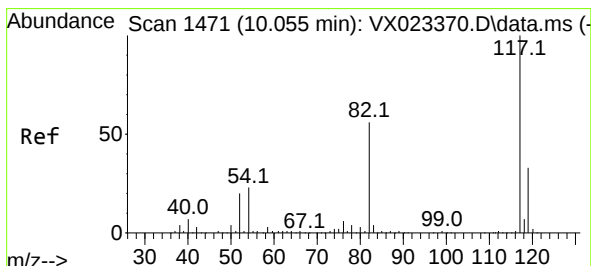
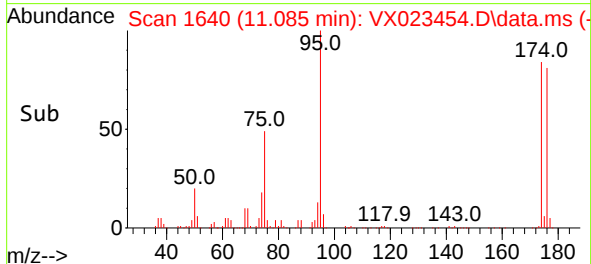
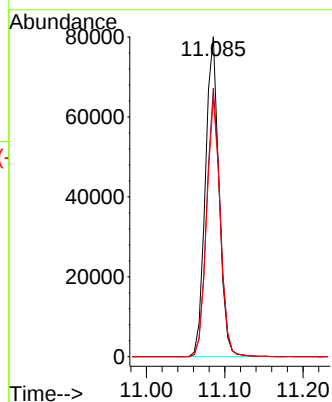
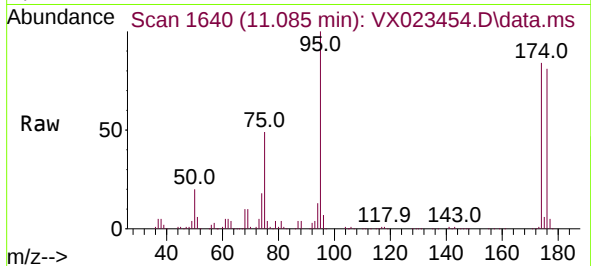




#62
4-Bromofluorobenzene
Concen: 46.18 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

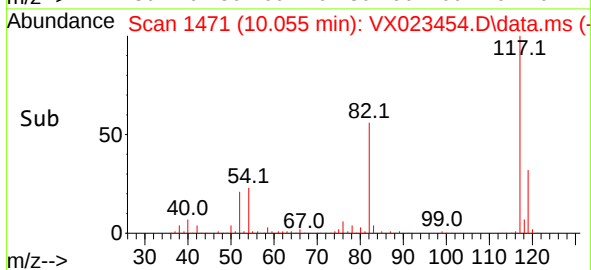
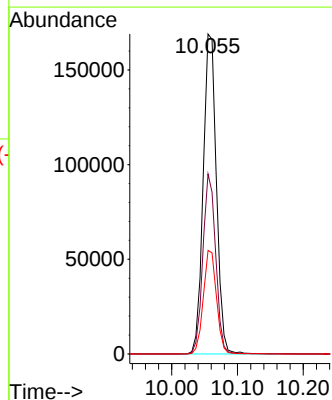
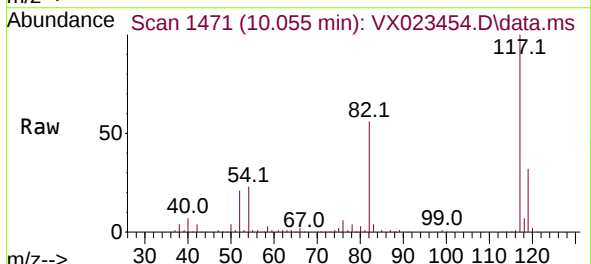
Instrument :
MSVOA_X
ClientSampled :

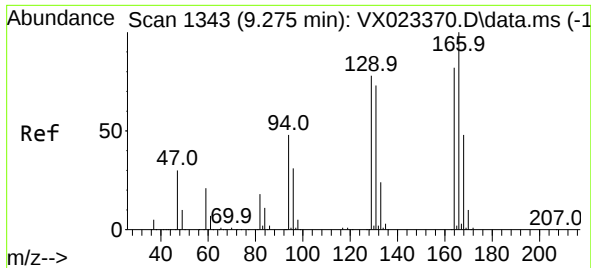
Tgt Ion: 95 Resp: 96583
Ion Ratio Lower Upper
95 100
174 83.3 0.0 154.6
176 80.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

Tgt Ion: 117 Resp: 236020
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 32.3 26.6 39.8

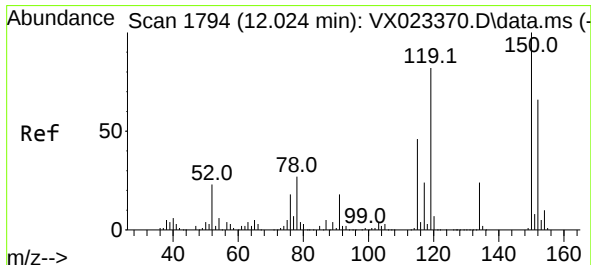
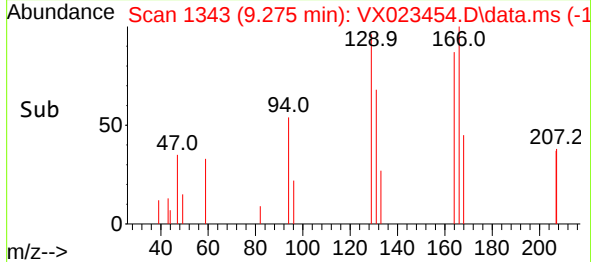
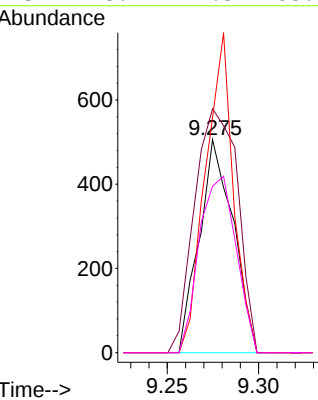
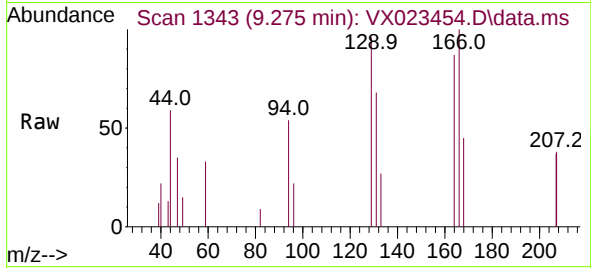




#64
Tetrachloroethene
Concen: 0.35 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

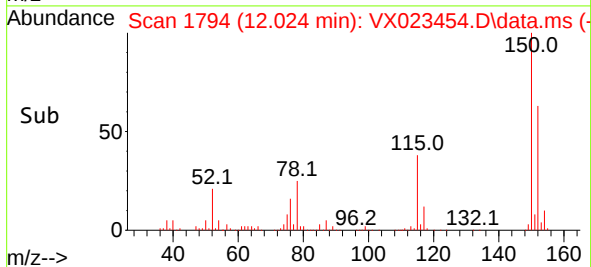
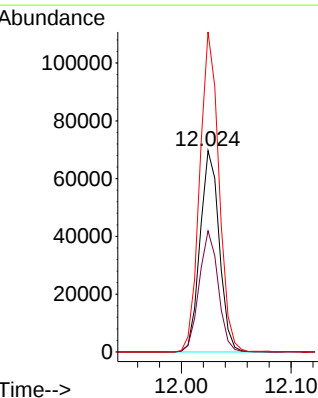
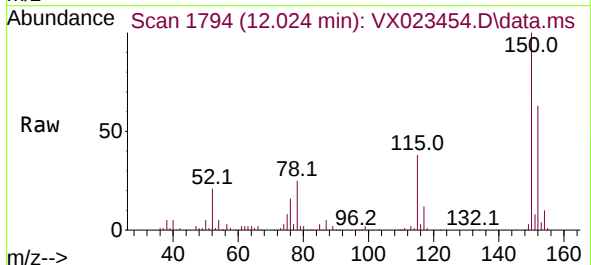
Instrument :
MSVOA_X
ClientSampled :

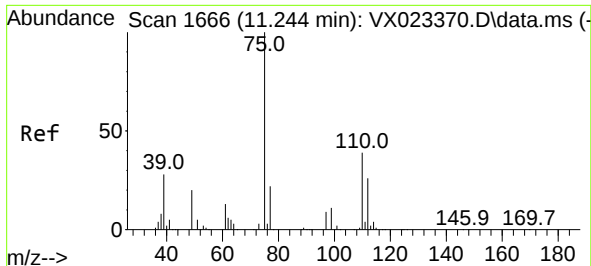
Tgt Ion:164 Resp: 653
Ion Ratio Lower Upper
164 100
166 114.4 103.4 155.2
129 110.3 70.8 106.2#
131 78.1 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

Tgt Ion:152 Resp: 84550
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 159.5 0.0 349.0

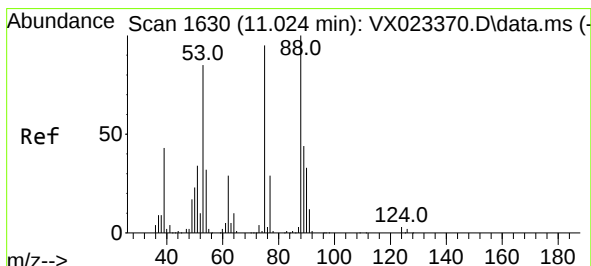
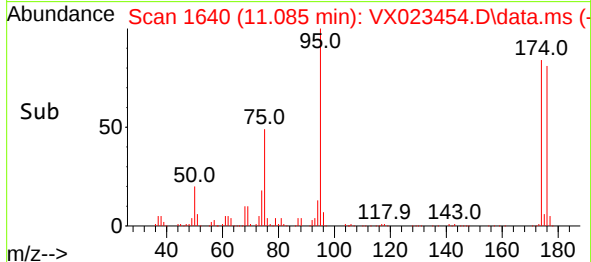
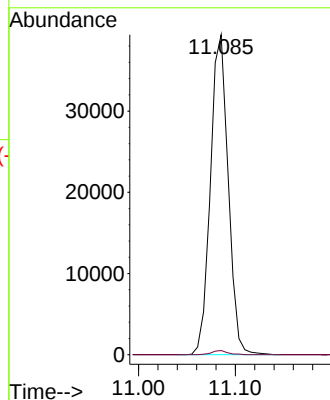
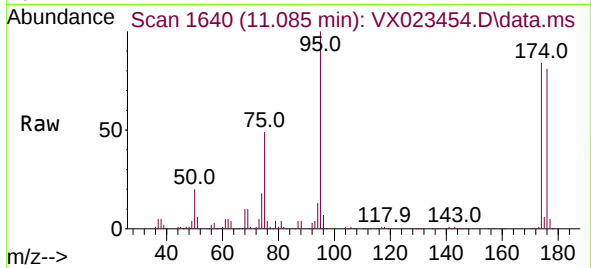




#76
1,2,3-Trichloropropane
Concen: 27.08 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 50383
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.81 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023454.D
Acq: 26 Jul 2021 16:24

Tgt Ion: 75 Resp: 50383
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

