

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073021\
 Data File : VX023512.D
 Acq On : 29 Jul 2021 14:47
 Operator : JC/MD
 Sample : PB138025ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 30 03:42:40 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	162977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	273631	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88597	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103754	51.035	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.080%
35) Dibromofluoromethane	5.397	113	84588	49.442	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.880%
50) Toluene-d8	8.653	98	328626	52.281	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.560%
62) 4-Bromofluorobenzene	11.085	95	103409	48.380	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.760%

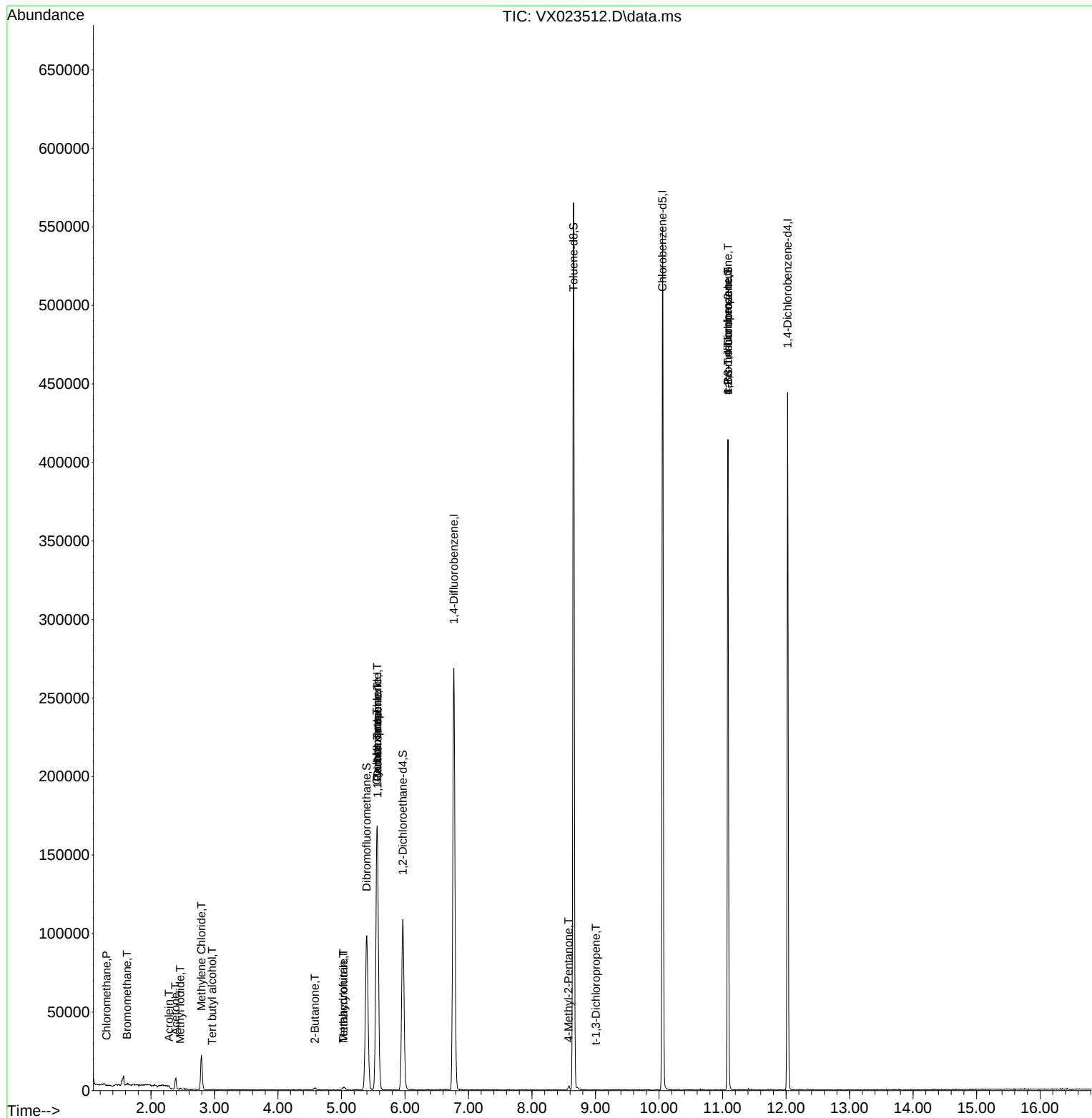
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.301	50	359	0.206	ug/l #	80
5) Bromomethane	1.624	94	586	0.558	ug/l #	69
10) Methyl Iodide	2.459	142	917	0.454	ug/l #	90
11) Tert butyl alcohol	2.965	59	266	0.573	ug/l #	73
13) Acrolein	2.282	56	59	1.612	ug/l #	1
16) Acetone	2.386	43	7436	7.456	ug/l #	84
20) Methylene Chloride	2.794	84	9346	4.818	ug/l	95
25) 2-Butanone	4.580	43	2336	1.509	ug/l	94
29) Tetrahydrofuran	5.025	42	1673	1.649	ug/l #	52
31) Cyclohexane	5.556	56	3702	1.229	ug/l #	15
36) 1,1-Dichloropropene	5.568	75	12655	5.113	ug/l #	48
38) Carbon Tetrachloride	5.562	117	15880	6.308	ug/l #	15
41) Methacrylonitrile	5.032	41	1160	0.704	ug/l #	42
51) 4-Methyl-2-Pentanone	8.574	43	1834	0.620	ug/l #	83
53) t-1,3-Dichloropropene	9.006	75	48	1.832	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	53946	27.670	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53946	74.401	ug/l #	12

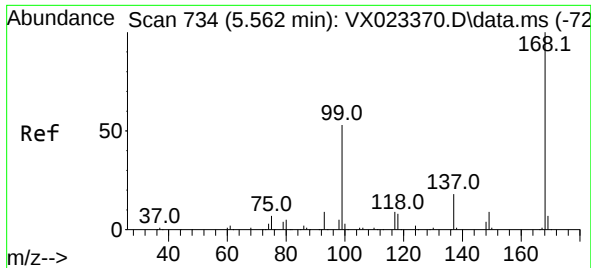
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

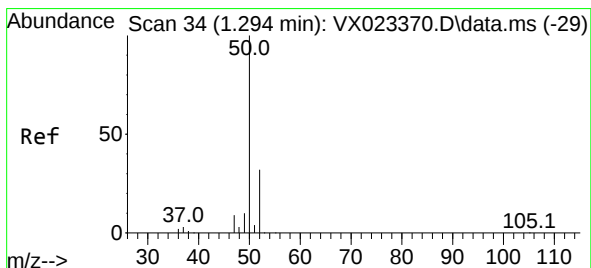
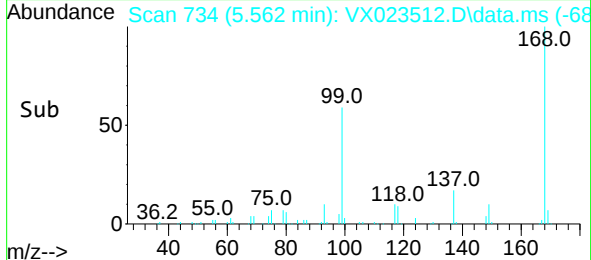
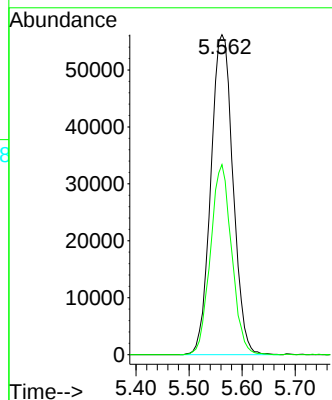
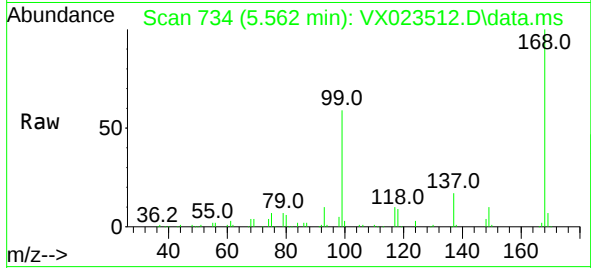




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

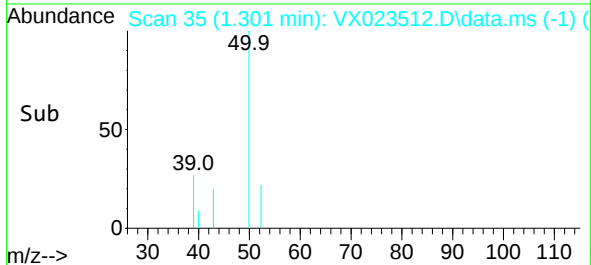
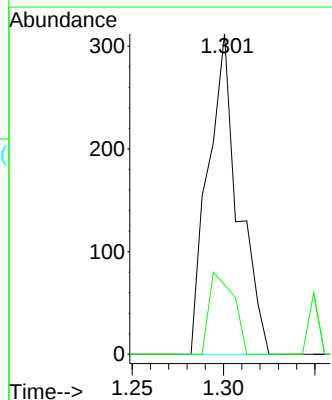
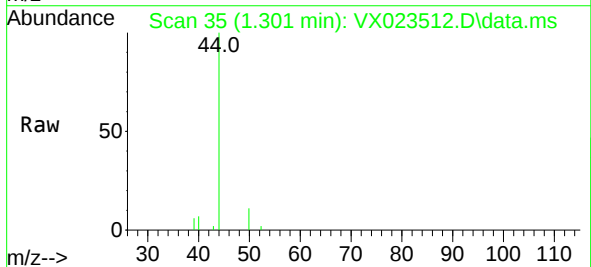
Instrument :
MSVOA_X
ClientSampleId :

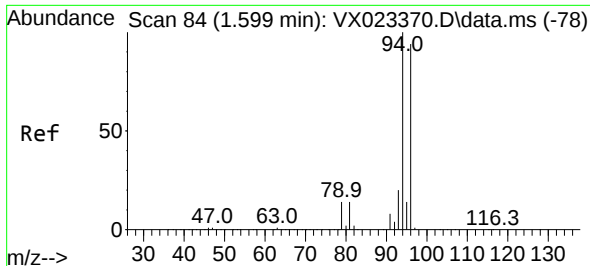
Tgt Ion:168 Resp: 162977
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#3
Chloromethane
Concen: 0.206 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

Tgt Ion: 50 Resp: 359
Ion Ratio Lower Upper
50 100
52 21.8 26.4 39.6#

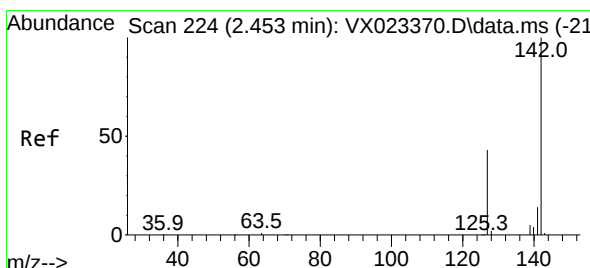
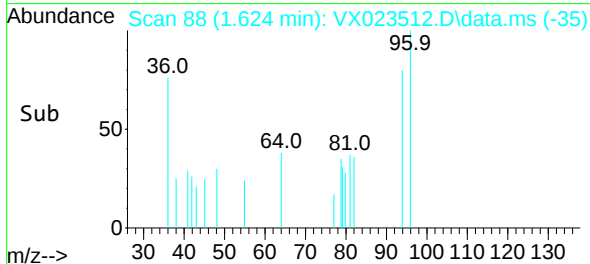
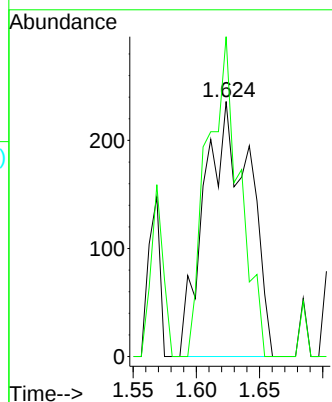
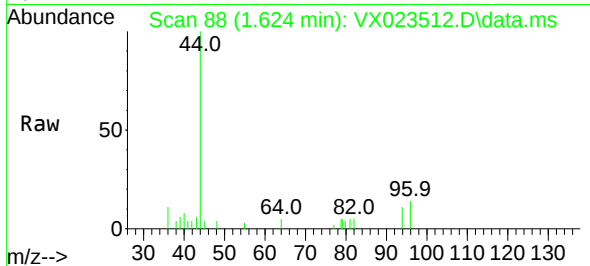




#5
Bromomethane
Concen: 0.558 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

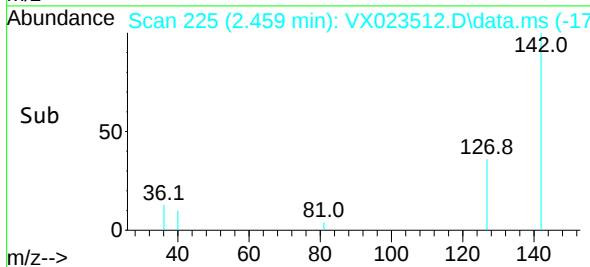
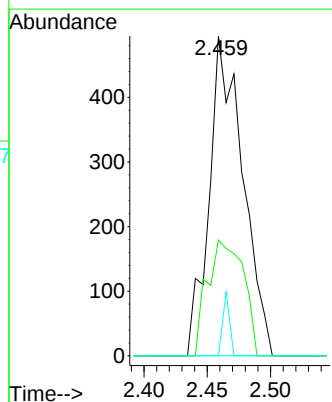
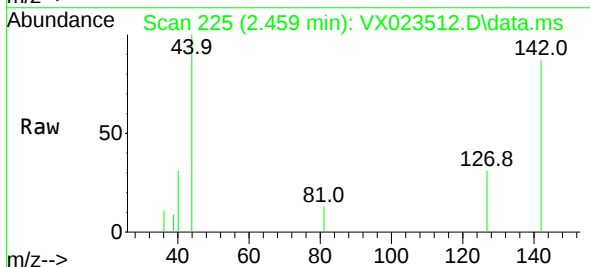
Instrument :
MSVOA_X
ClientSampled :

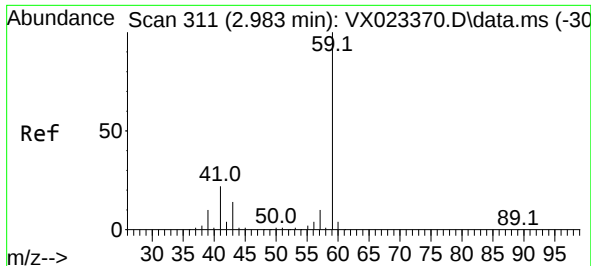
Tgt Ion: 94 Resp: 586
Ion Ratio Lower Upper
94 100
96 125.4 76.4 114.6#



#10
Methyl Iodide
Concen: 0.454 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

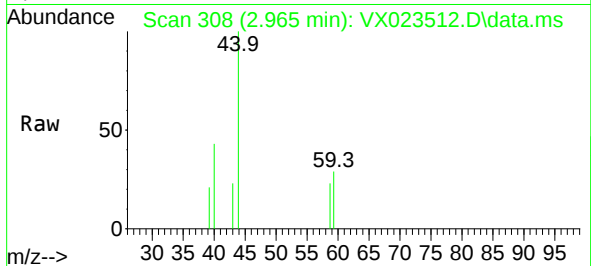
Tgt Ion: 142 Resp: 917
Ion Ratio Lower Upper
142 100
127 38.7 33.3 49.9
141 3.9 11.4 17.0#



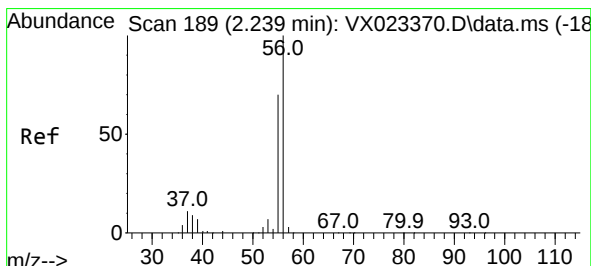
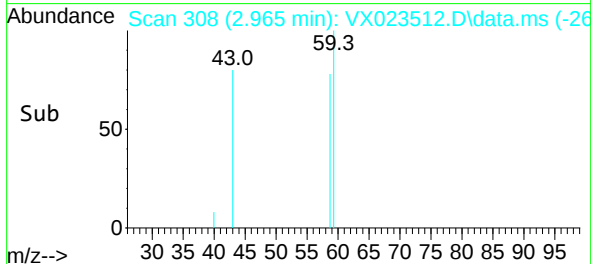
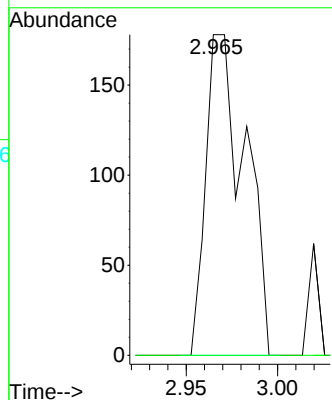


#11
Tert butyl alcohol
Concen: 0.573 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

Instrument :
MSVOA_X
ClientSampled :

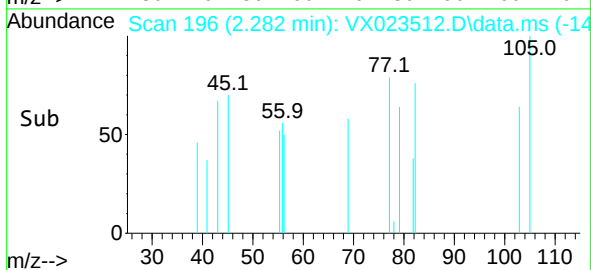
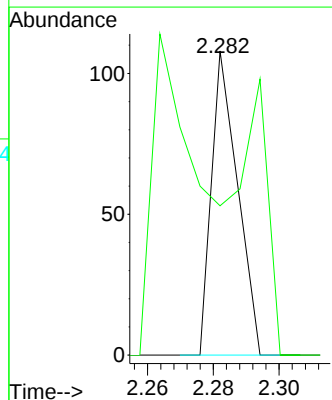
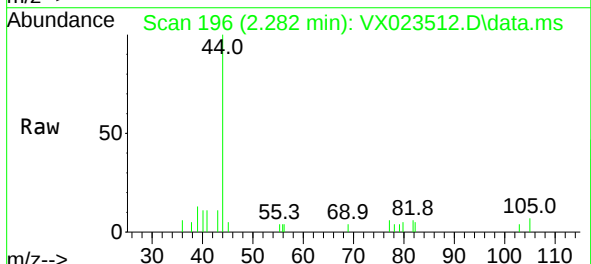


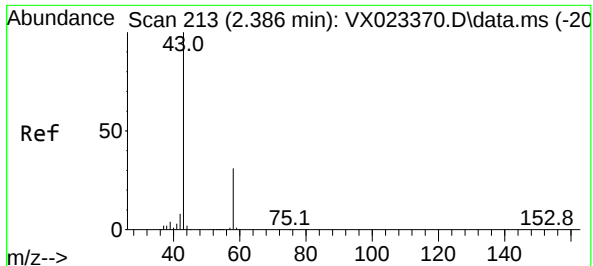
Tgt Ion: 59 Resp: 266
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 1.612 ug/l
RT: 2.282 min Scan# 196
Delta R.T. 0.043 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 191.5 56.4 84.6#

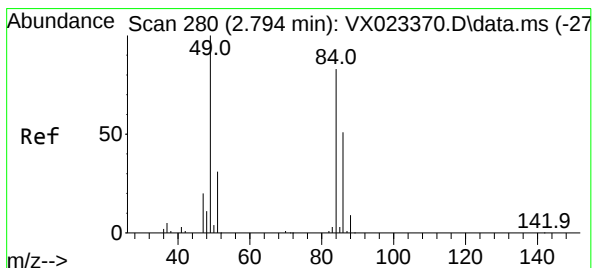
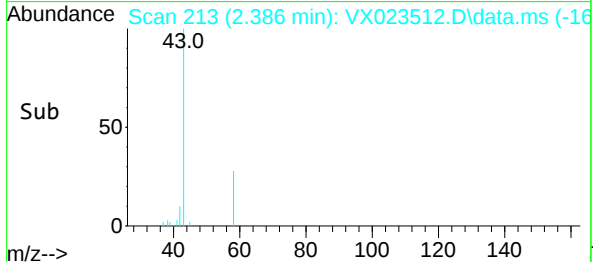
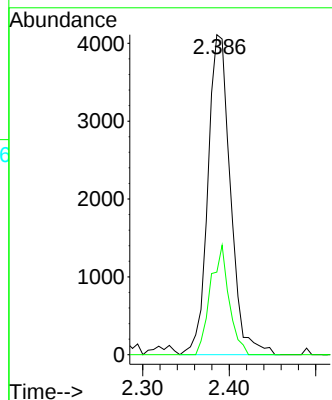
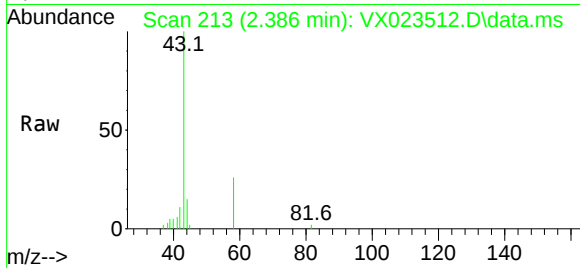




#16
Acetone
Concen: 7.456 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

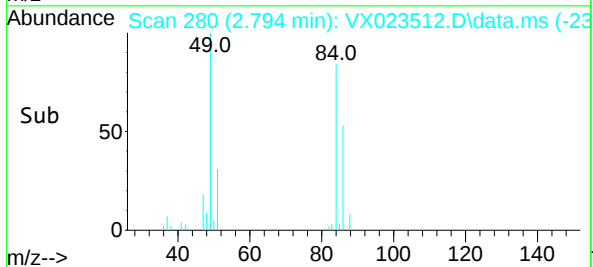
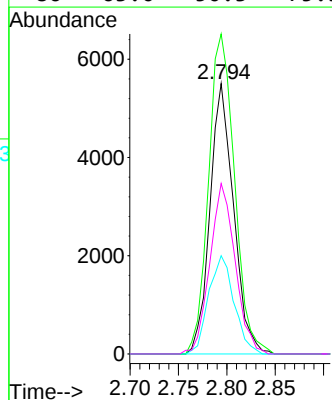
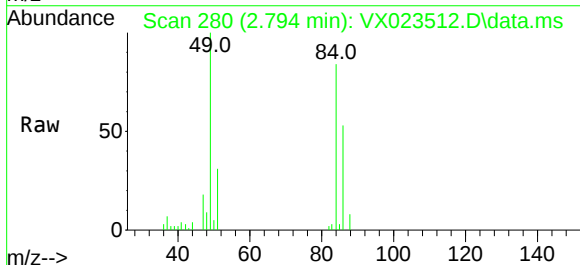
Instrument :
MSVOA_X
ClientSampled :

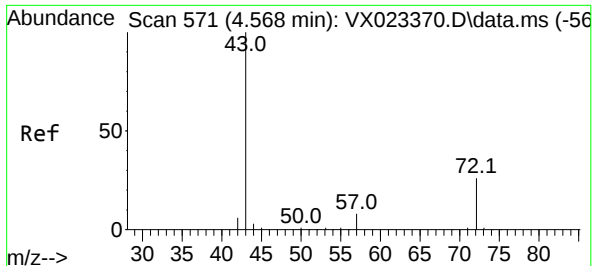
Tgt Ion: 43 Resp: 7436
Ion Ratio Lower Upper
43 100
58 25.8 27.8 41.8#



#20
Methylene Chloride
Concen: 4.818 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

Tgt Ion: 84 Resp: 9346
Ion Ratio Lower Upper
84 100
49 118.4 88.6 132.8
51 36.3 27.0 40.6
86 63.0 50.3 75.5

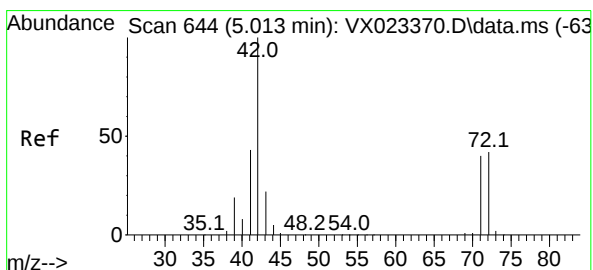
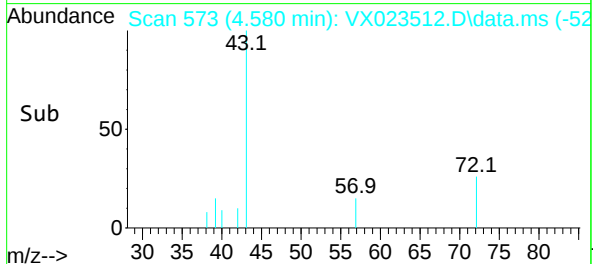
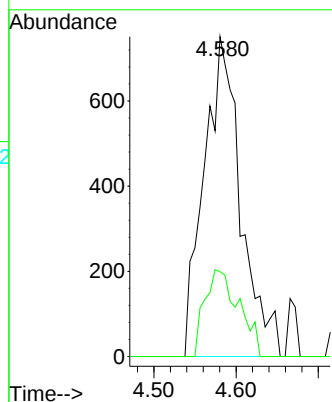
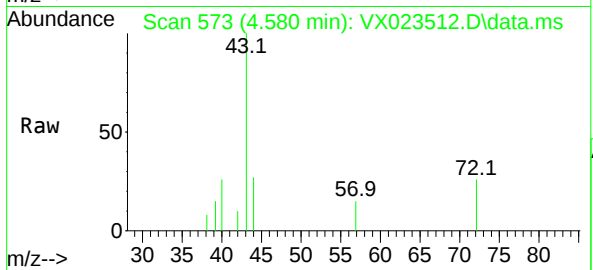




#25
2-Butanone
Concen: 1.509 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

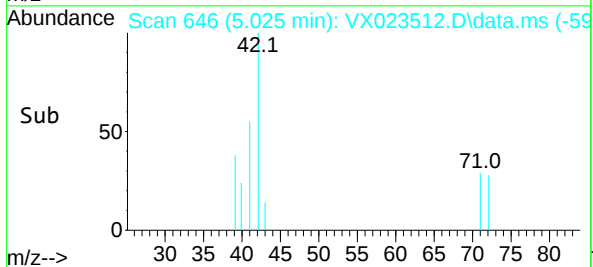
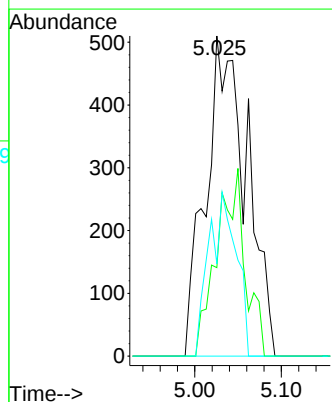
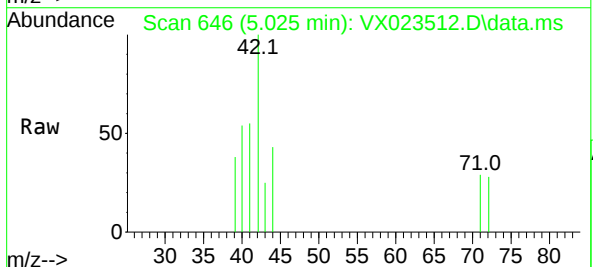
Instrument :
MSVOA_X
ClientSampled :

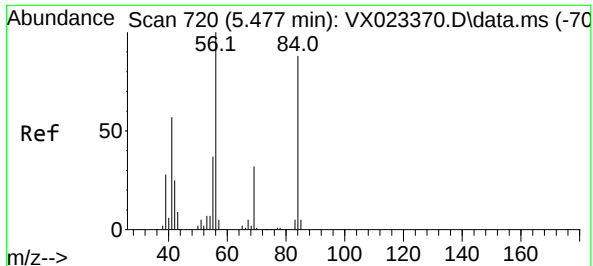
Tgt Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
72 26.5 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.649 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

Tgt Ion: 42 Resp: 1673
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 34.1 38.4 57.6#

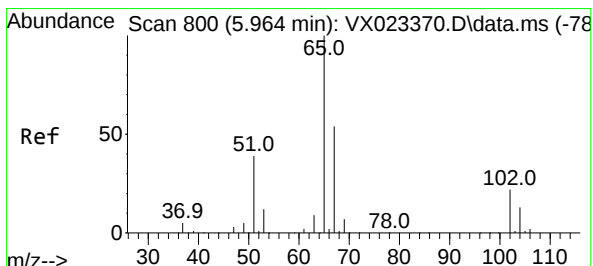
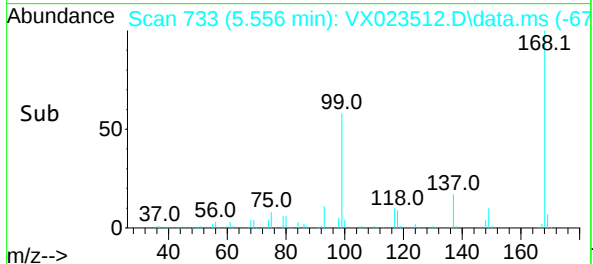
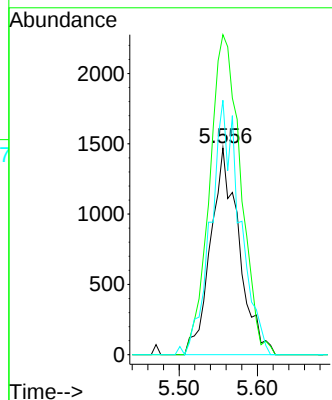
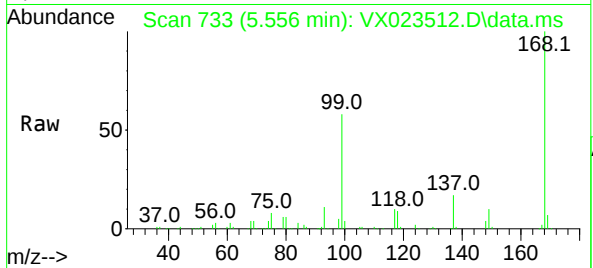




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

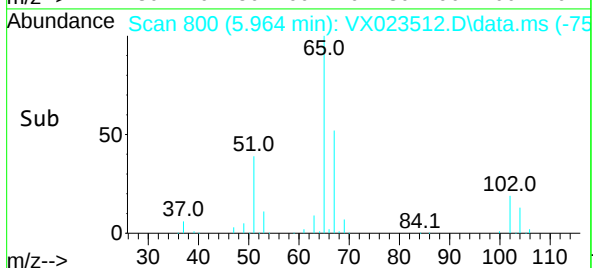
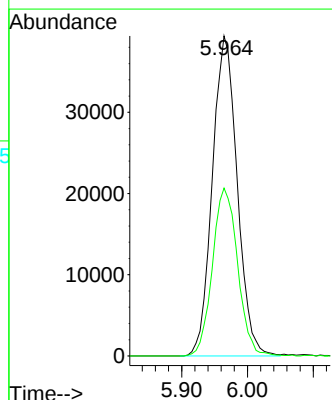
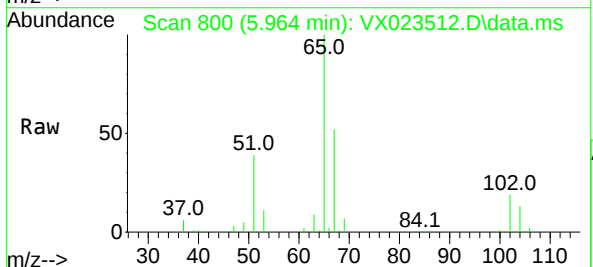
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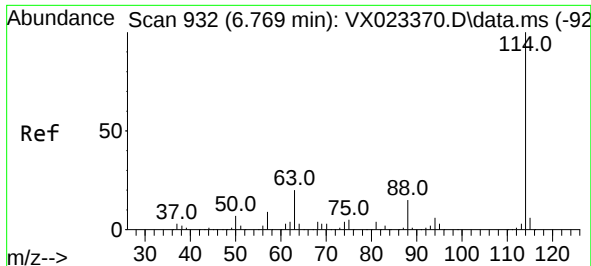
Tgt Ion: 56 Resp: 3702
Ion Ratio Lower Upper
56 100
69 154.8 25.3 37.9#
84 123.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.035 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

Tgt Ion: 65 Resp: 103754
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4

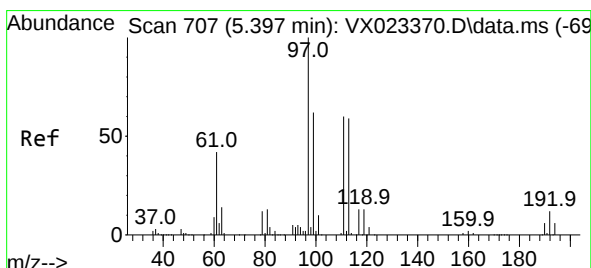
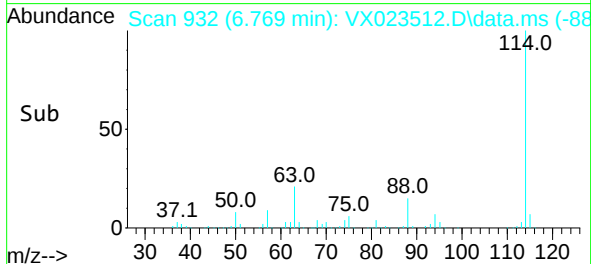
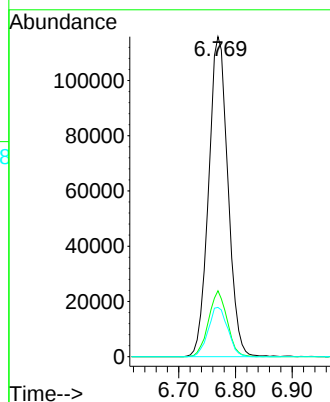
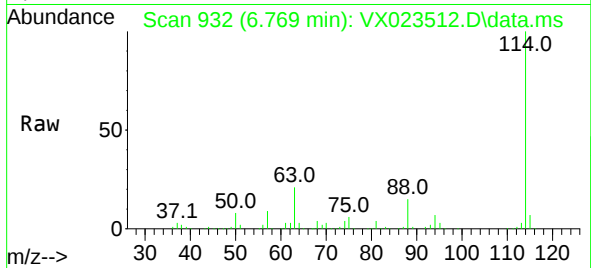




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

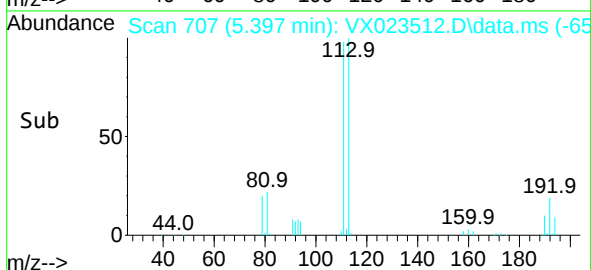
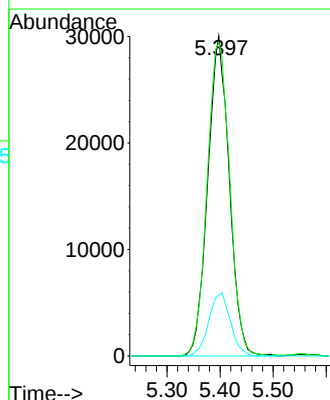
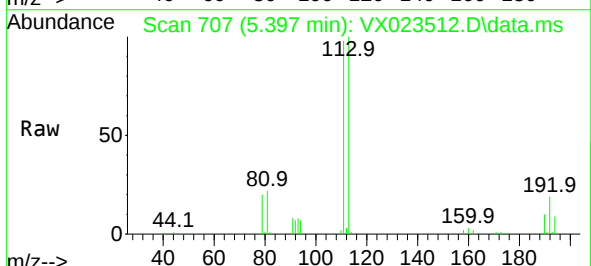
Instrument :
MSVOA_X
ClientSampled :

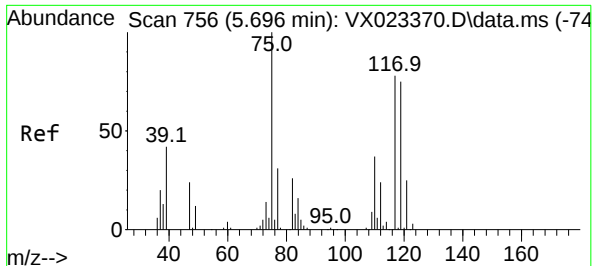
Tgt Ion:114 Resp: 273631
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 15.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.442 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

Tgt Ion:113 Resp: 84588
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 19.8 16.7 25.1

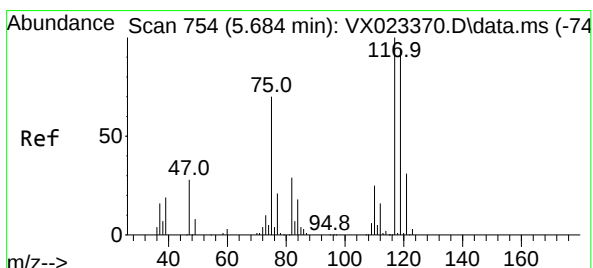
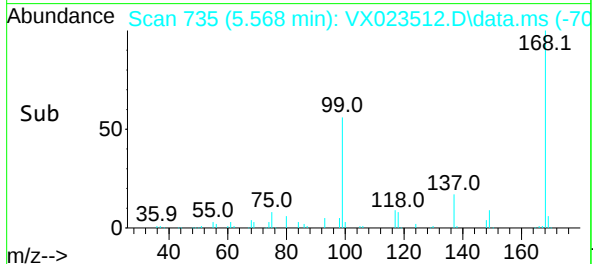
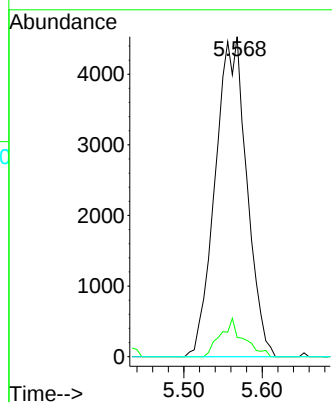
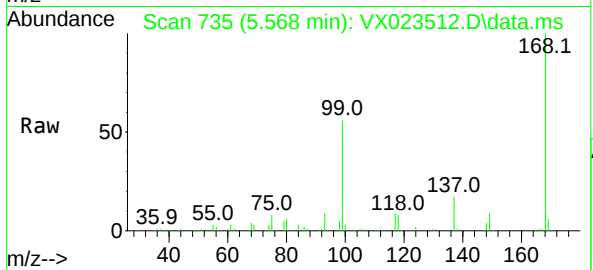




#36
1,1-Dichloropropene
Concen: 5.113 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

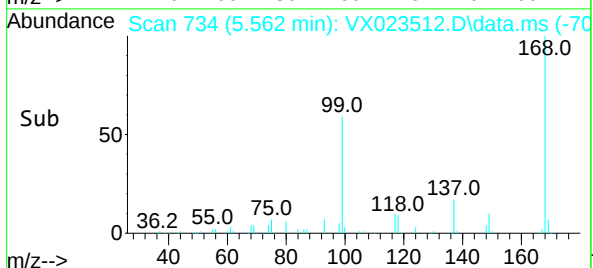
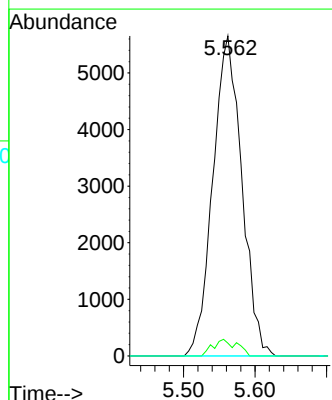
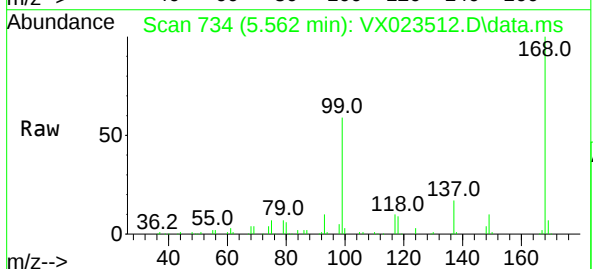
Instrument :
MSVOA_X
ClientSampleId :

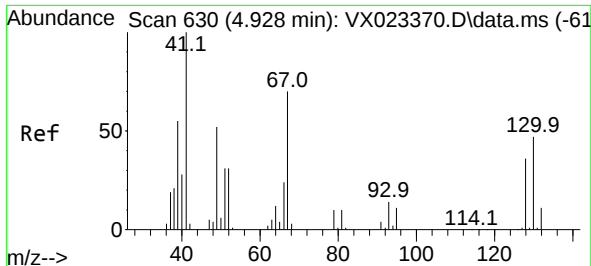
Tgt Ion: 75 Resp: 12655
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.308 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

Tgt Ion: 117 Resp: 15880
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.8 37.2#

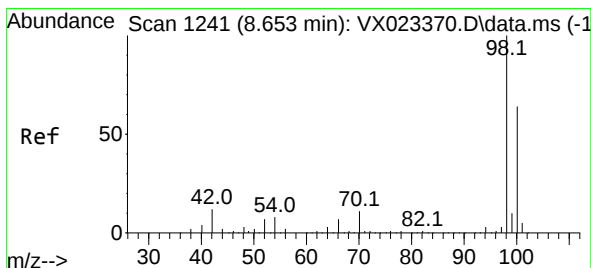
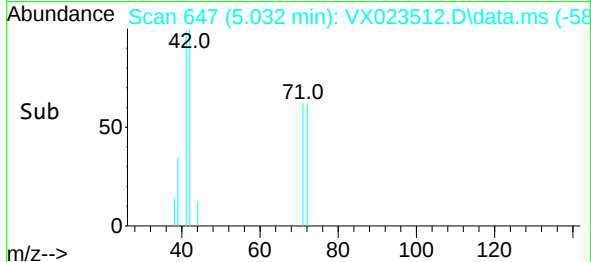
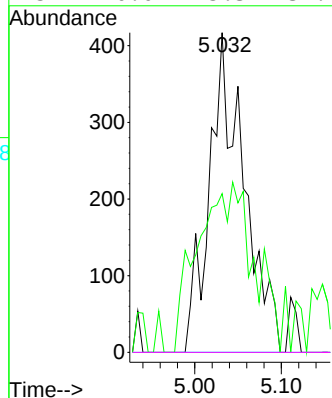
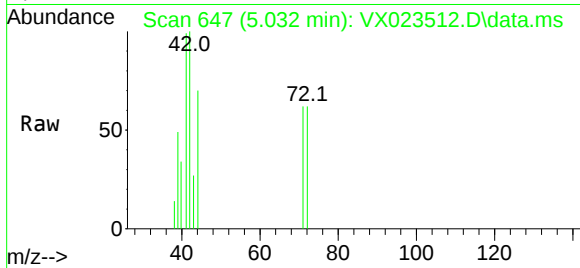




#41
Methacrylonitrile
Concen: 0.704 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

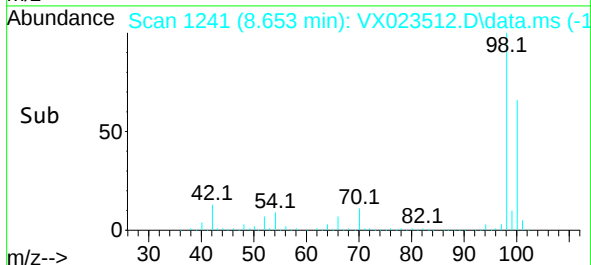
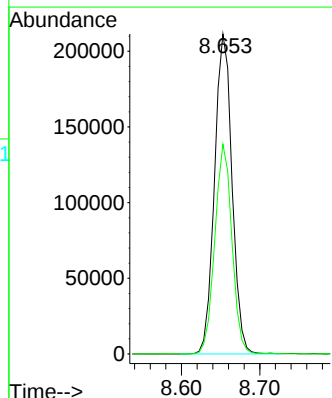
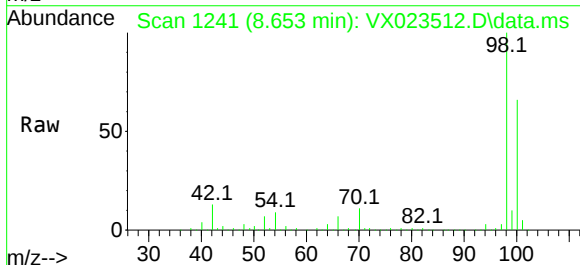
Instrument :
MSVOA_X
ClientSampleId :

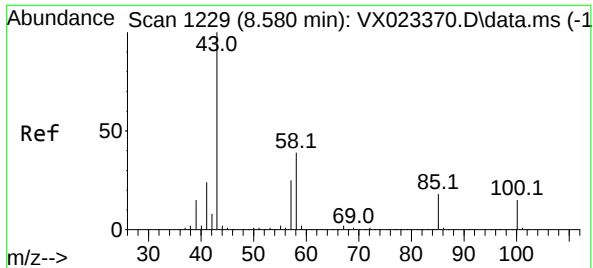
Tgt Ion:	41	Resp:	1160
Ion	Ratio	Lower	Upper
41	100		
39	47.9	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#50
Toluene-d8
Concen: 52.281 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

Tgt Ion:	98	Resp:	328626
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.9	77.9

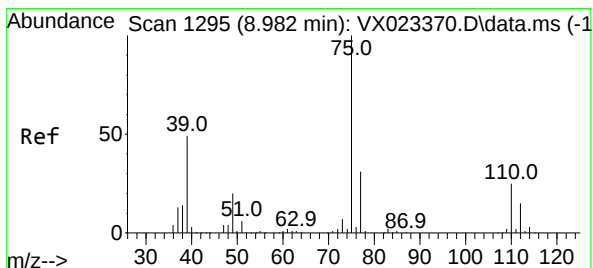
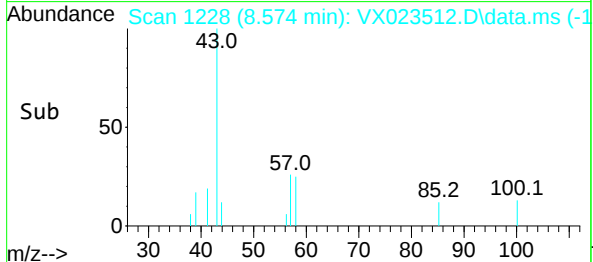
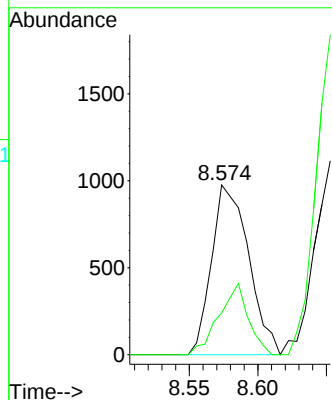
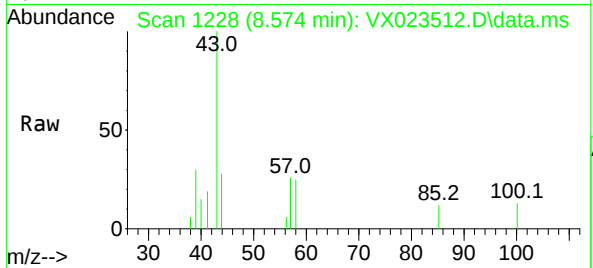




#51
4-Methyl-2-Pentanone
Concen: 0.620 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

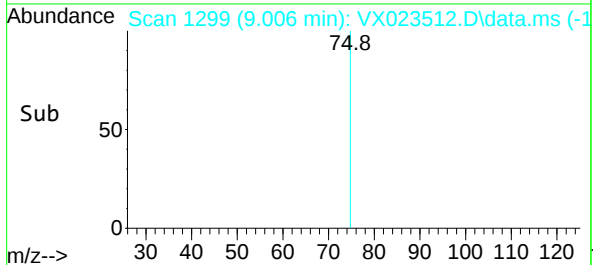
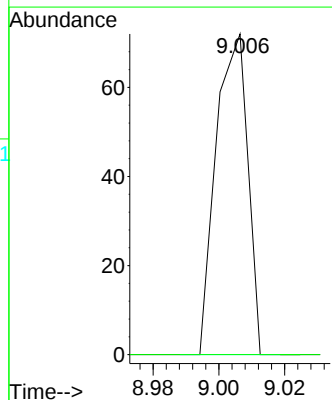
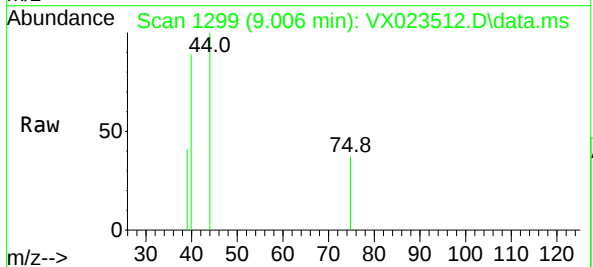
Instrument :
MSVOA_X
ClientSampled :

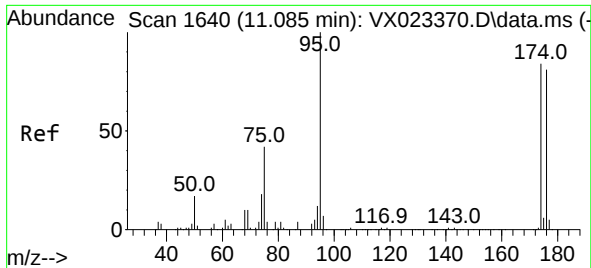
Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
58 33.4 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 1.832 ug/l
RT: 9.006 min Scan# 1299
Delta R.T. 0.024 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

Tgt Ion: 75 Resp: 48
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

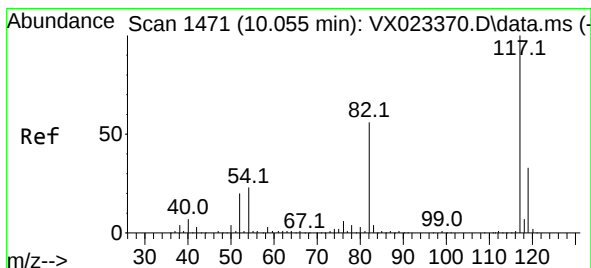
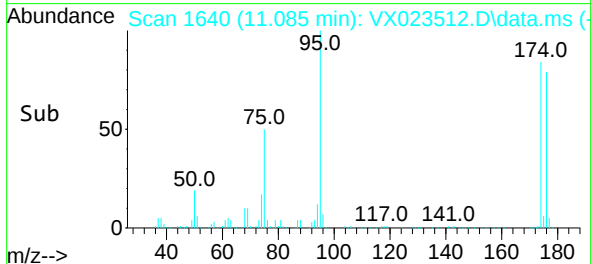
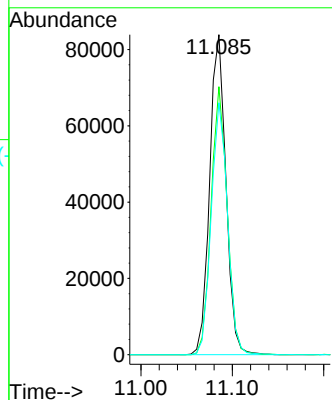
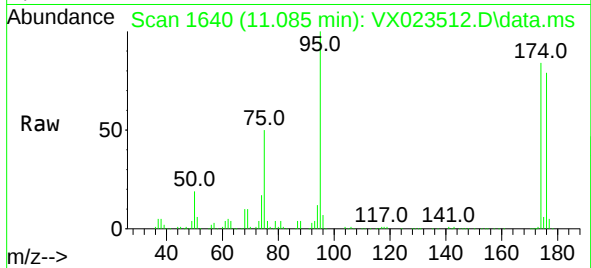




#62
4-Bromofluorobenzene
Concen: 48.380 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

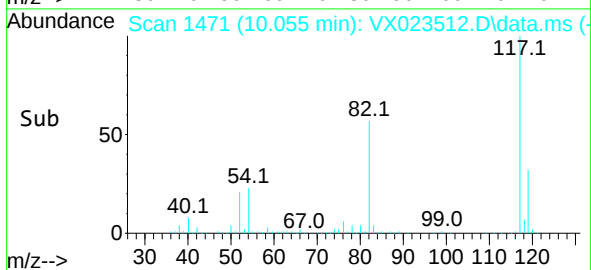
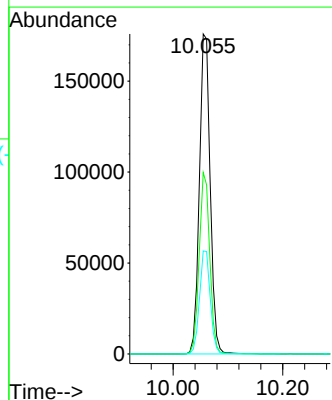
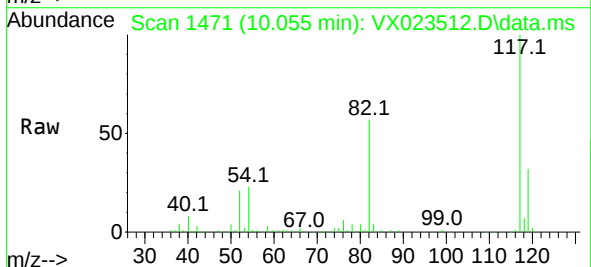
Instrument :
MSVOA_X
ClientSampleId :

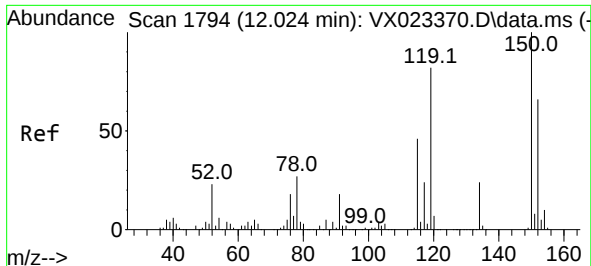
Tgt Ion: 95 Resp: 103409
Ion Ratio Lower Upper
95 100
174 82.5 0.0 154.6
176 79.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023512.D
Acq: 29 Jul 2021 14:47

Tgt Ion: 117 Resp: 241620
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 32.2 26.6 39.8

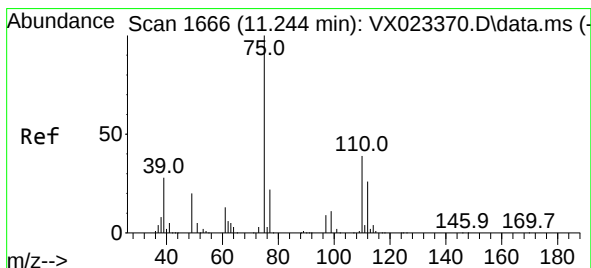
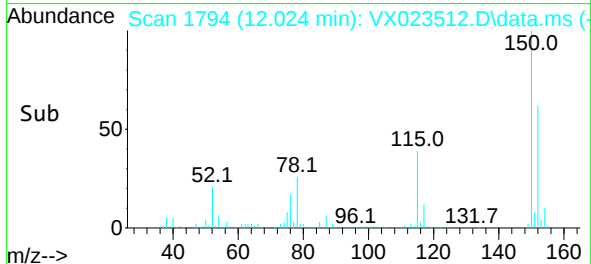
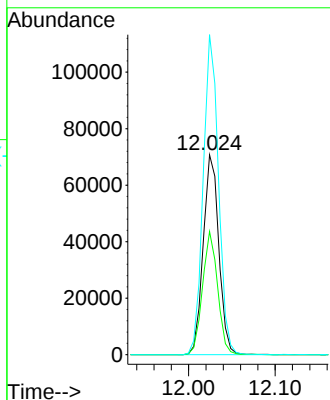
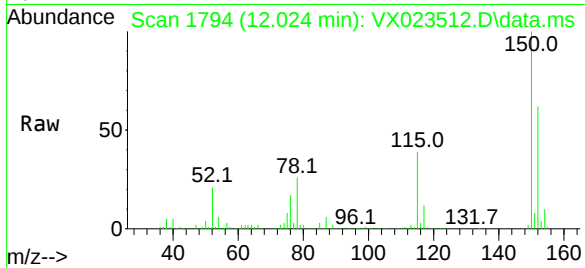




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023512.D
 Acq: 29 Jul 2021 14:47

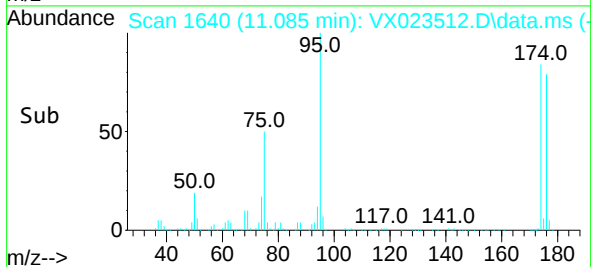
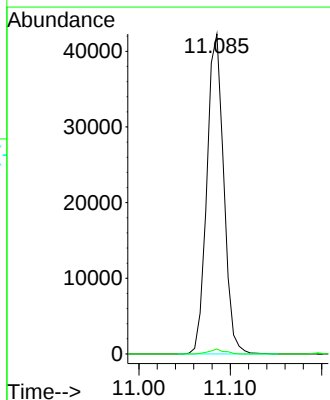
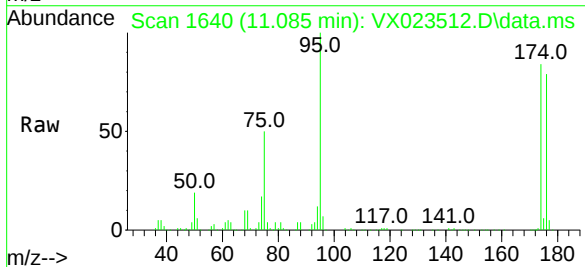
Instrument :
 MSVOA_X
 ClientSampleId :

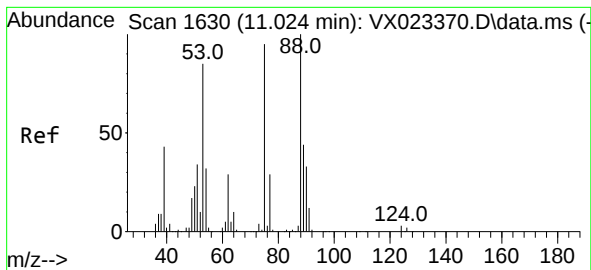
Tgt Ion:152 Resp: 88597
 Ion Ratio Lower Upper
 152 100
 115 59.5 41.1 123.3
 150 156.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.670 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023512.D
 Acq: 29 Jul 2021 14:47

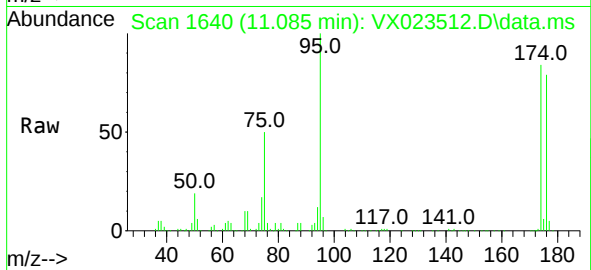
Tgt Ion: 75 Resp: 53946
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.401 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023512.D
 Acq: 29 Jul 2021 14:47

Instrument :
 MSVOA_X
 ClientSampleId :



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

