

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083121\
 Data File : VX024042.D
 Acq On : 31 Aug 2021 14:25
 Operator : JC/MD
 Sample : M3584-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROOF-DRAIN-20210827

Quant Time: Sep 01 05:02:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	142977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	246005	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97678	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107543	53.893	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.780%	
35) Dibromofluoromethane	5.397	113	82632	50.749	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.500%	
50) Toluene-d8	8.653	98	301208	48.604	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.200%	
62) 4-Bromofluorobenzene	11.085	95	109085	47.816	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.640%	

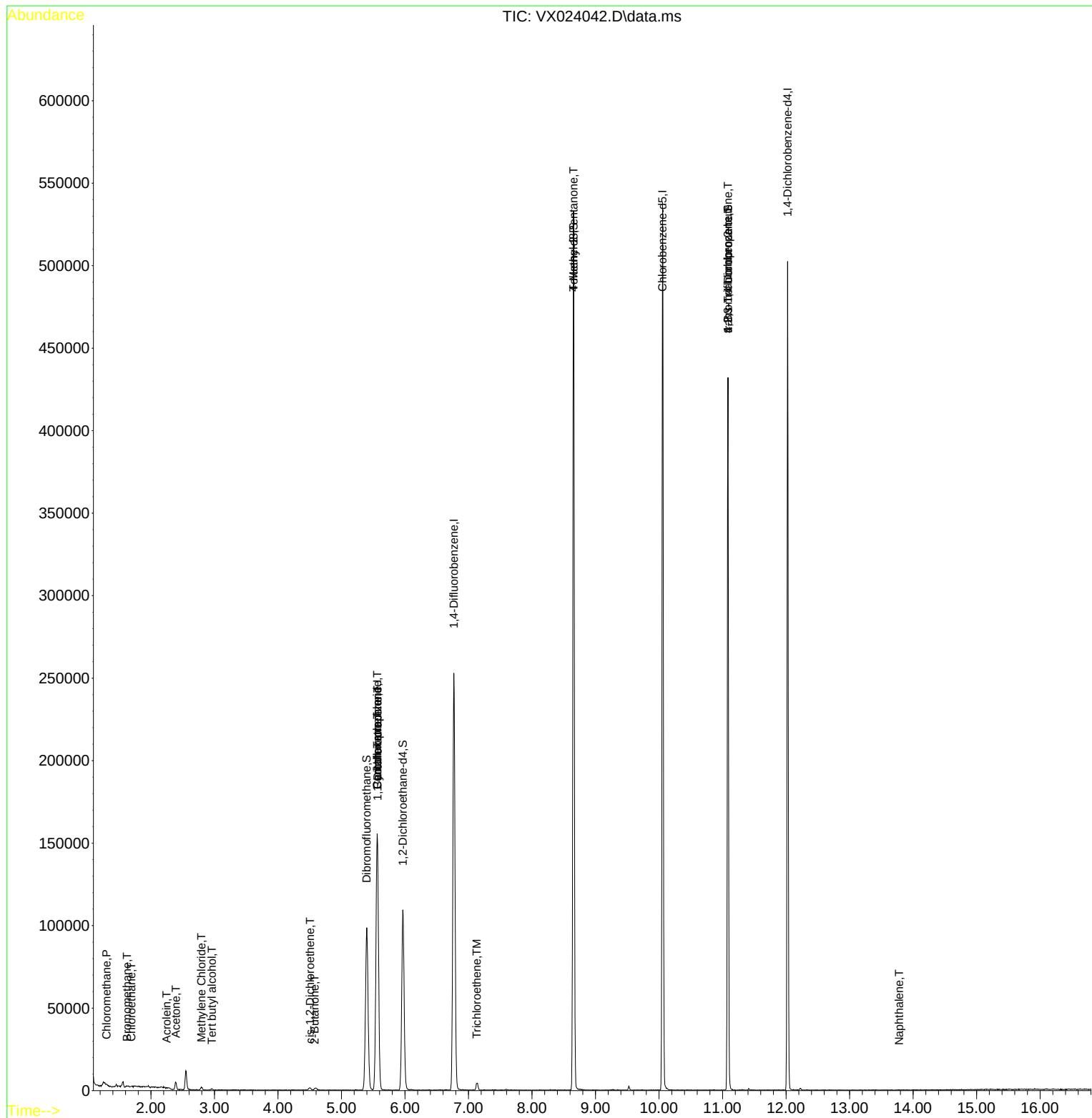
Target Compounds			Qvalue			
3) Chloromethane	1.301	50	475	0.287	ug/l #	86
5) Bromomethane	1.624	94	518	0.510	ug/l	87
6) Chloroethane	1.691	64	428	2.520	ug/l #	79
11) Tert butyl alcohol	2.959	59	643	1.593	ug/l #	73
13) Acrolein	2.246	56	84	0.350	ug/l	84
16) Acetone	2.392	43	5179	5.804	ug/l	88
20) Methylene Chloride	2.794	84	794	0.466	ug/l #	78
25) 2-Butanone	4.574	43	490	0.363	ug/l #	45
27) cis-1,2-Dichloroethene	4.507	96	856	0.491	ug/l	87
31) Cyclohexane	5.562	56	3403	1.327	ug/l #	25
36) 1,1-Dichloropropene	5.568	75	11942	5.242	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15089	6.352	ug/l #	17
44) Trichloroethene	7.129	130	1892	1.017	ug/l	78
51) 4-Methyl-2-Pentanone	8.653	43	1620	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	59778	26.235	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	59778	77.171	ug/l #	12
95) Naphthalene	13.780	128	20	1.285	ug/l #	69

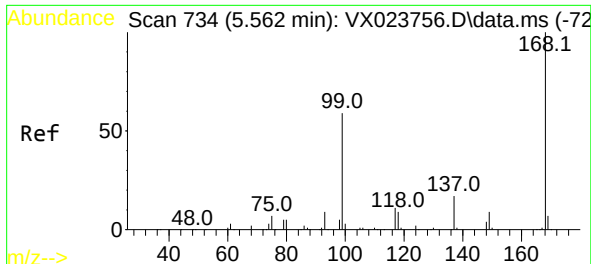
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

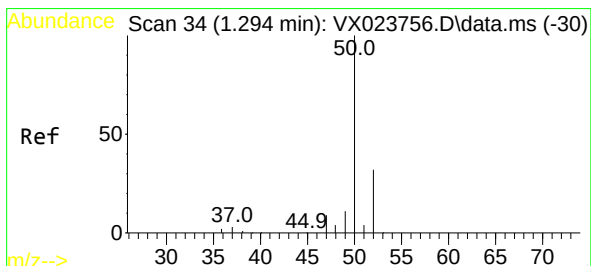
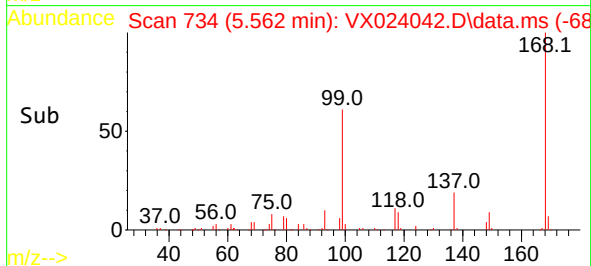
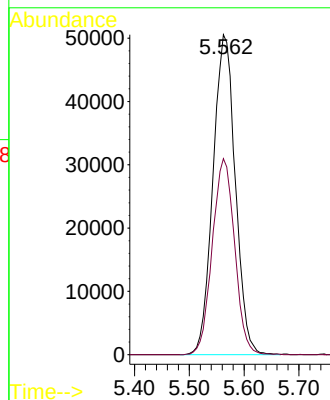
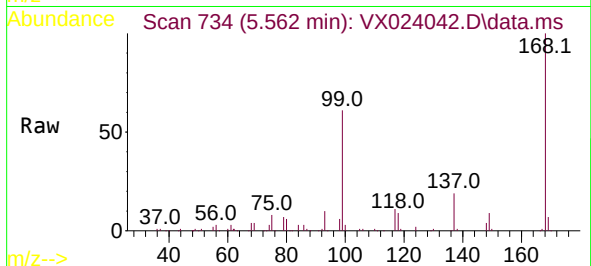




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

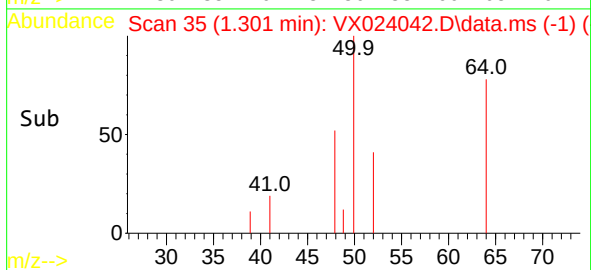
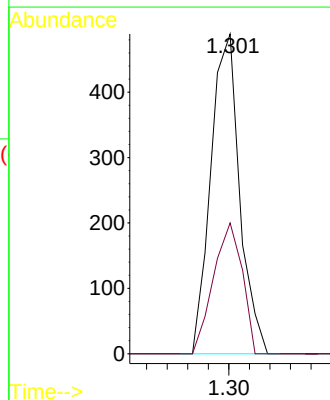
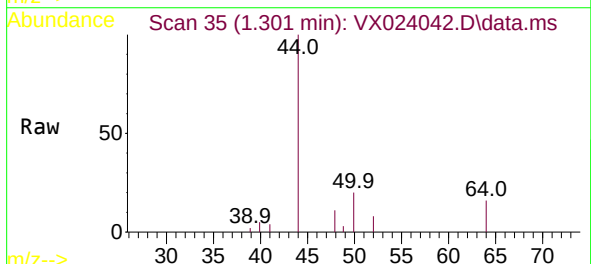
Instrument :
MSVOA_X
ClientSampleId :
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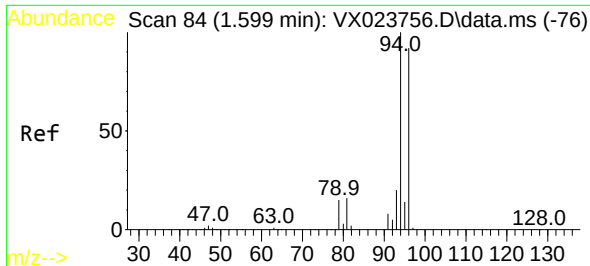
Tgt Ion:168 Resp: 142977
Ion Ratio Lower Upper
168 100
99 61.3 45.8 68.6



#3
Chloromethane
Concen: 0.287 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Tgt Ion: 50 Resp: 475
Ion Ratio Lower Upper
50 100
52 40.9 26.4 39.6#

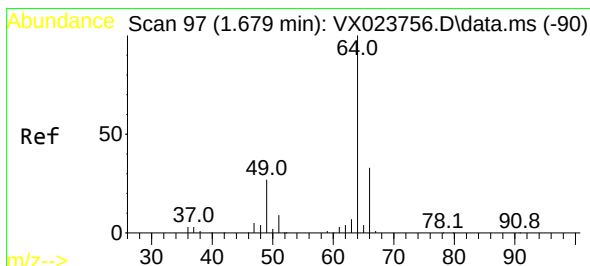
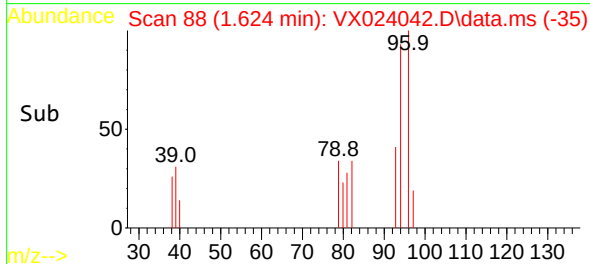
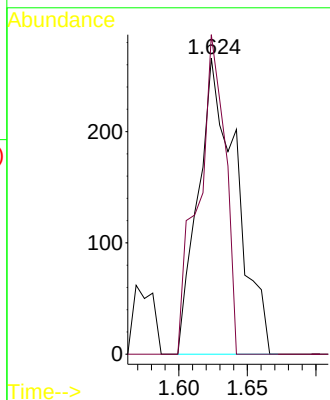
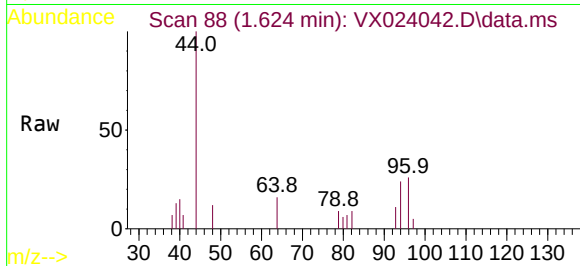




#5
Bromomethane
Concen: 0.510 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

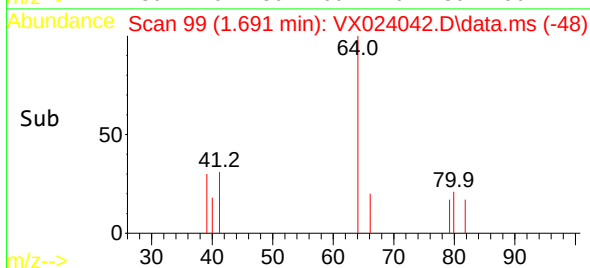
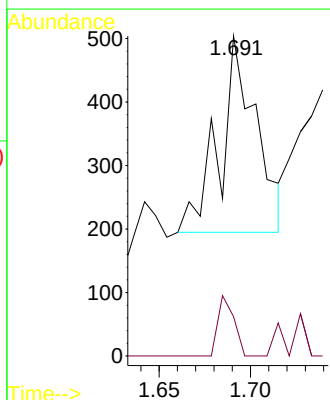
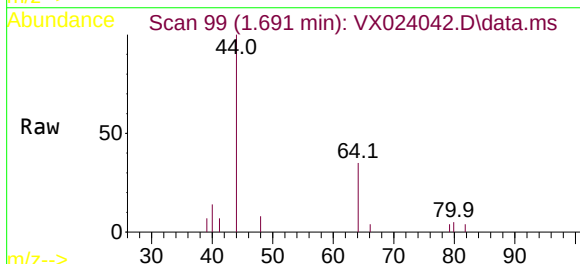
Instrument :
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ClientSampleId :
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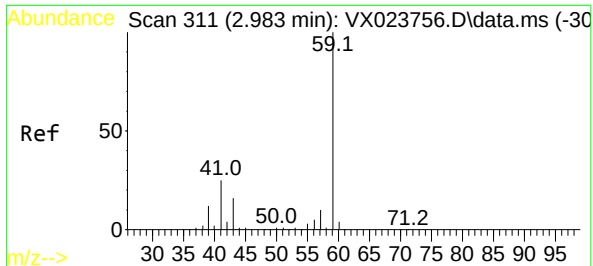
Tgt Ion: 94 Resp: 518
Ion Ratio Lower Upper
94 100
96 107.9 76.4 114.6



#6
Chloroethane
Concen: 2.520 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Tgt Ion: 64 Resp: 428
Ion Ratio Lower Upper
64 100
66 20.1 25.4 38.0#



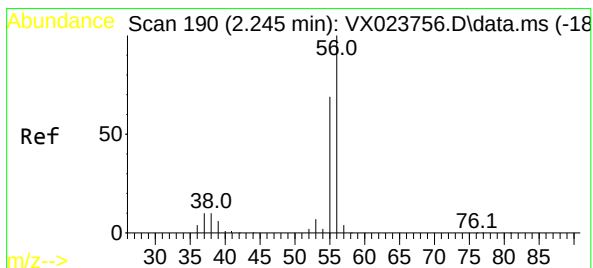
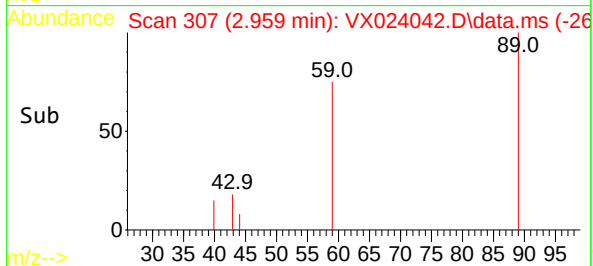
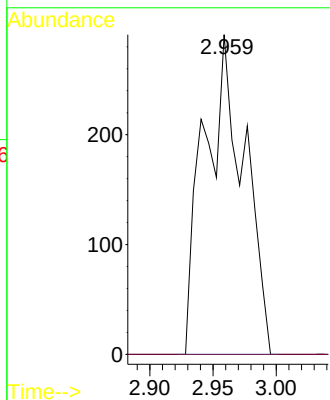
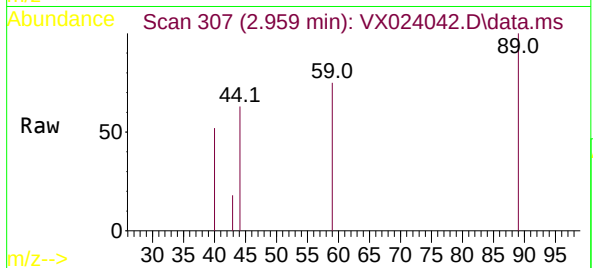


#11

Tert butyl alcohol
Concen: 1.593 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Instrument :
MSVOA_X
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ROOF-DRAIN-20210827

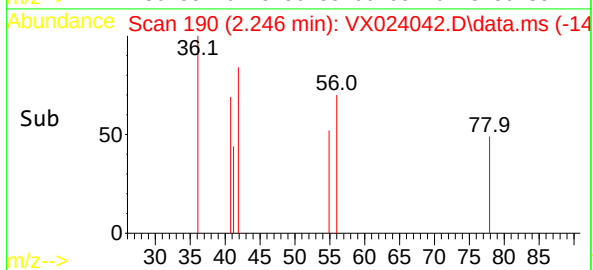
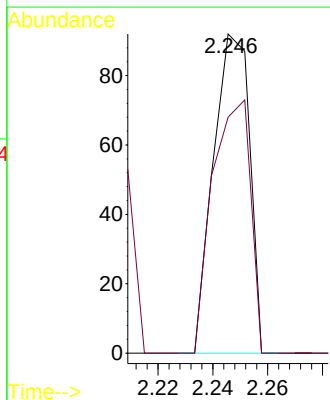
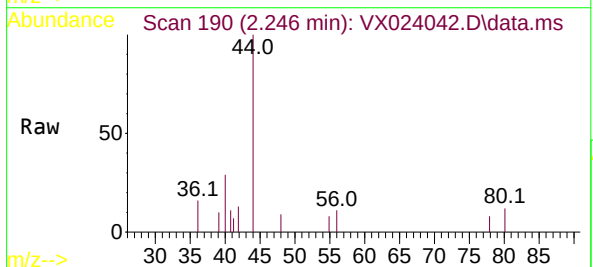
Tgt Ion: 59 Resp: 643
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

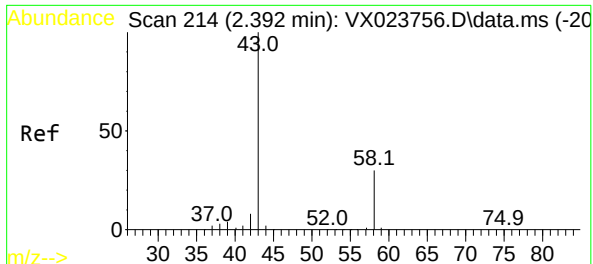


#13

Acrolein
Concen: 0.350 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.001 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 83.3 56.4 84.6

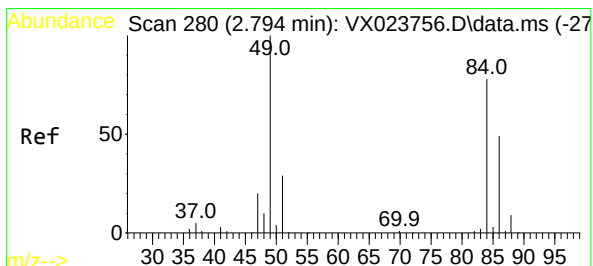
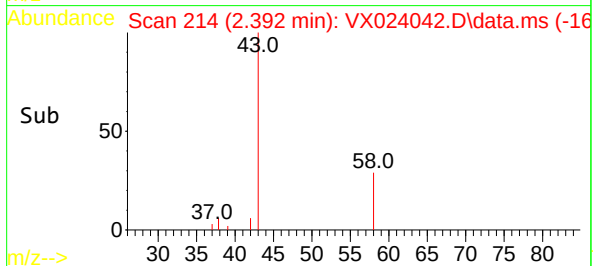
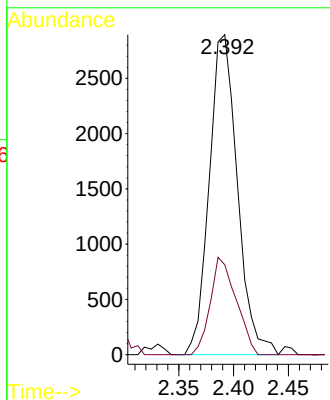
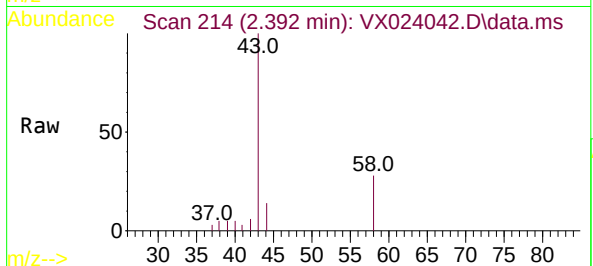




#16
Acetone
Concen: 5.804 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

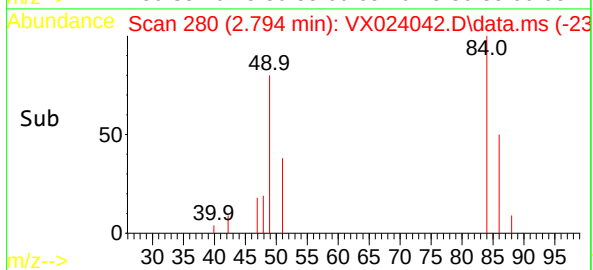
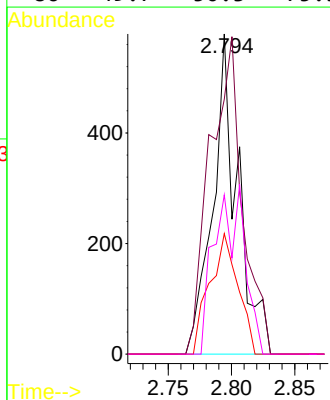
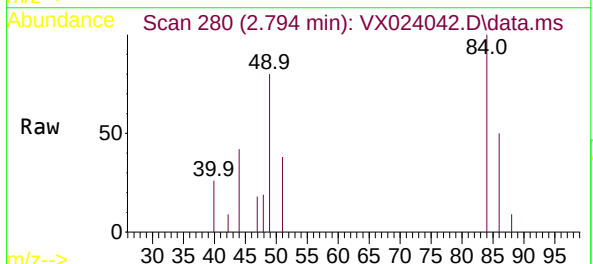
Instrument :
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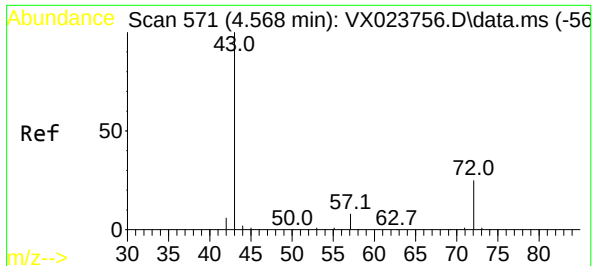
Tgt Ion: 43 Resp: 5179
Ion Ratio Lower Upper
43 100
58 28.1 27.8 41.8



#20
Methylene Chloride
Concen: 0.466 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Tgt Ion: 84 Resp: 794
Ion Ratio Lower Upper
84 100
49 79.6 88.6 132.8#
51 37.7 27.0 40.6
86 49.7 50.3 75.5#

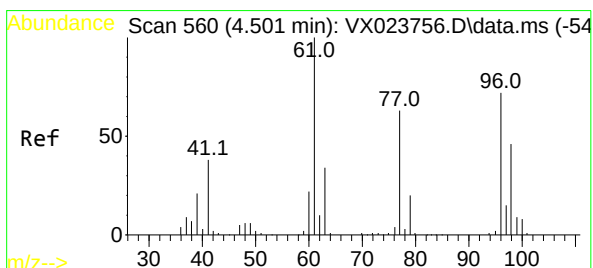
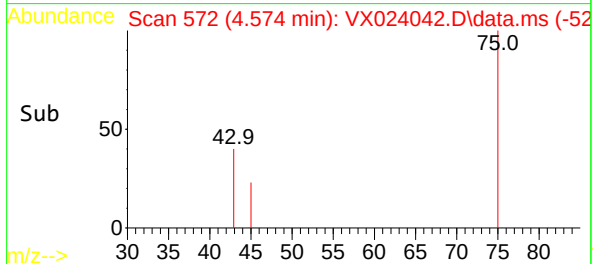
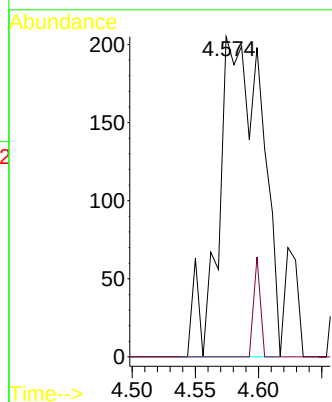
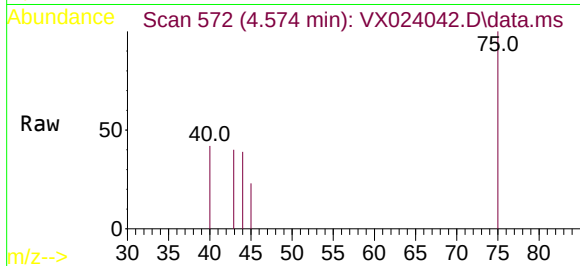




#25
2-Butanone
Concen: 0.363 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

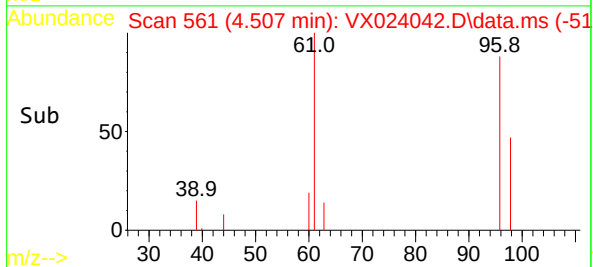
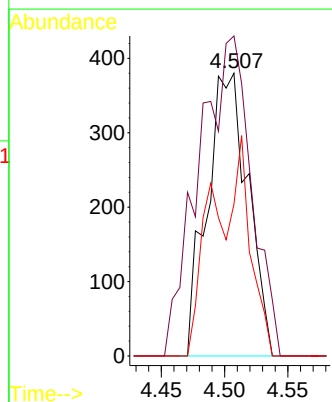
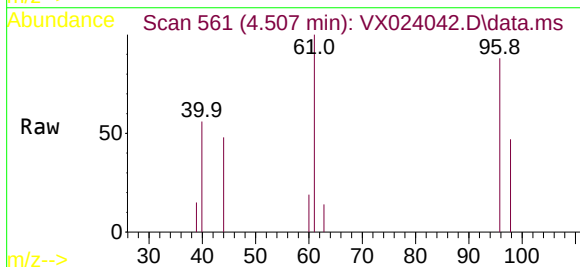
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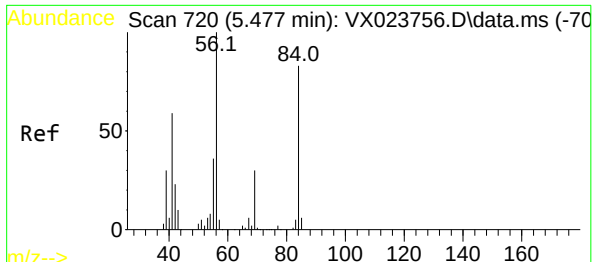
Tgt Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 0.491 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.006 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

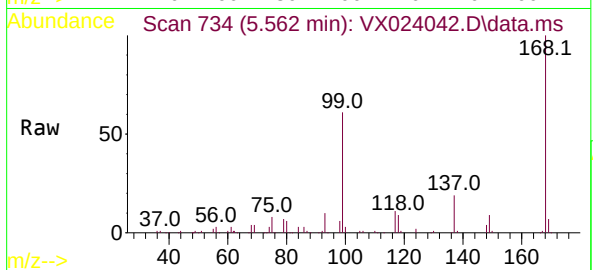
Tgt Ion: 96 Resp: 856
Ion Ratio Lower Upper
96 100
61 145.0 0.0 285.6
98 33.9 0.0 129.6



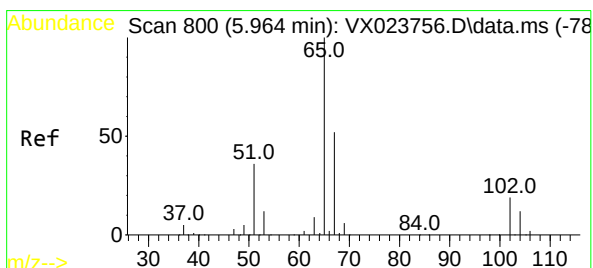
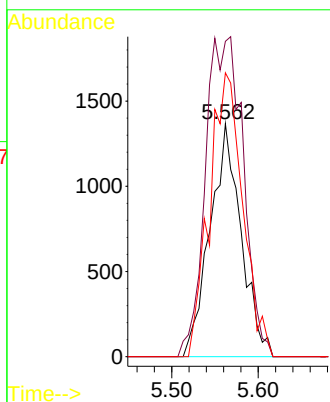
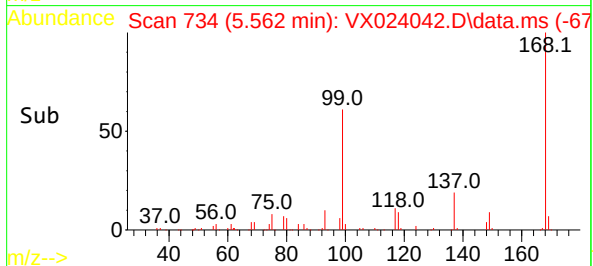


#31
Cyclohexane
Concen: 1.327 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

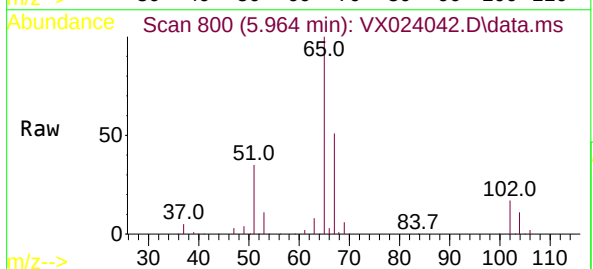
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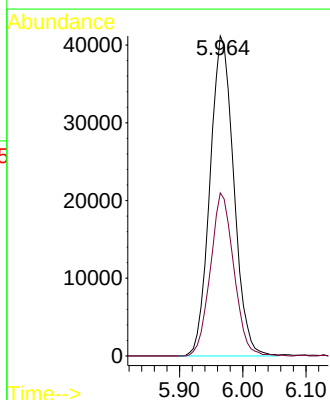
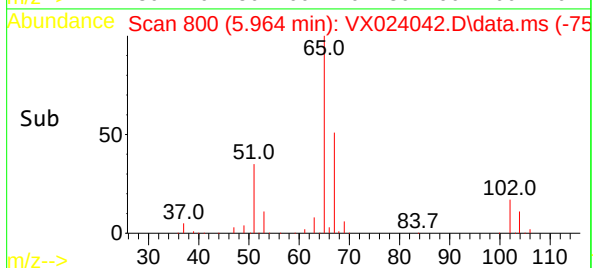
Tgt Ion: 56 Resp: 3403
Ion Ratio Lower Upper
56 100
69 135.4 25.3 37.9#
84 121.9 71.4 107.0#

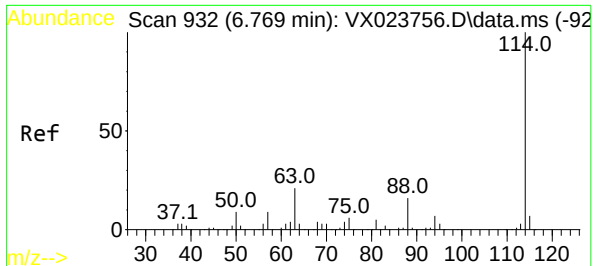


#33
1,2-Dichloroethane-d4
Concen: 53.893 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25



Tgt Ion: 65 Resp: 107543
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

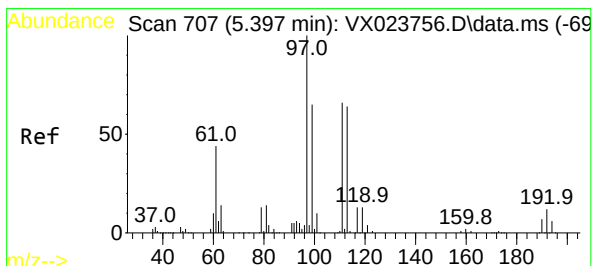
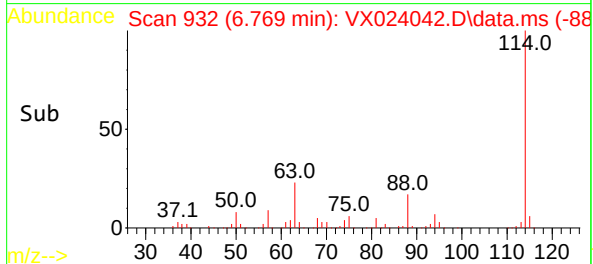
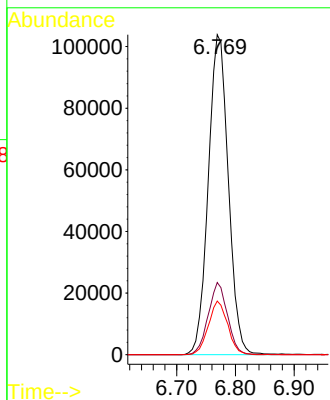
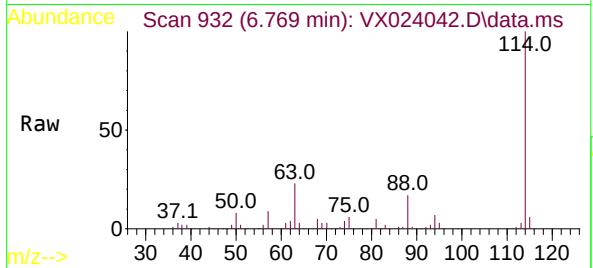




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

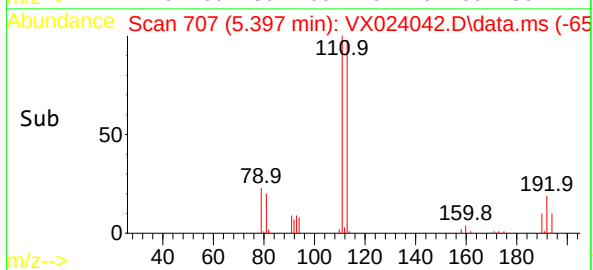
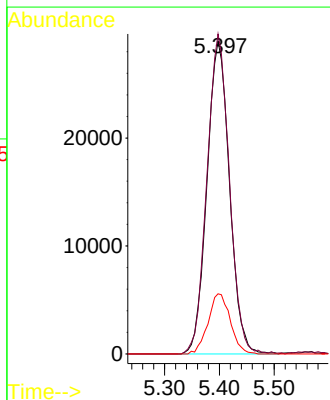
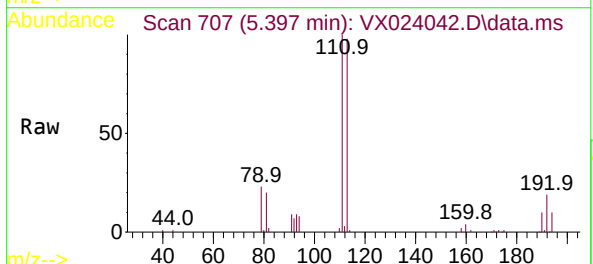
Instrument :
MSVOA_X
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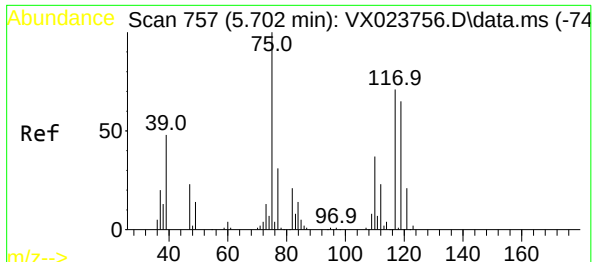
Tgt Ion:114 Resp: 246005
Ion Ratio Lower Upper
114 100
63 22.6 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.749 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Tgt Ion:113 Resp: 82632
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 19.0 16.7 25.1

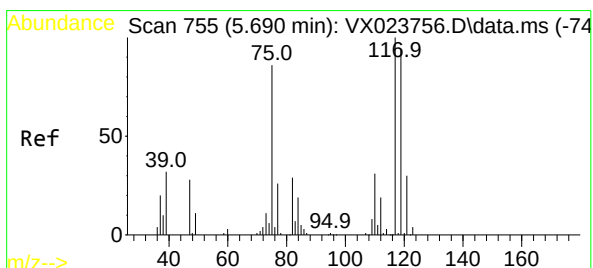
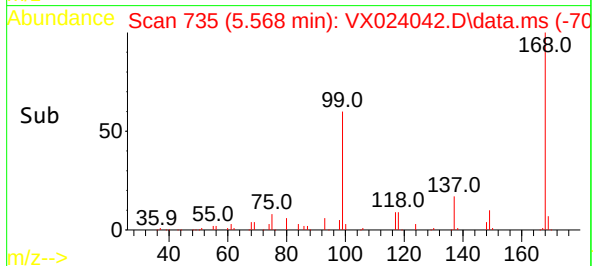
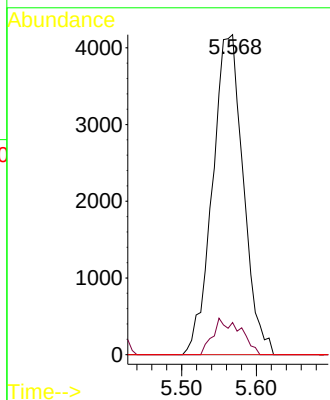
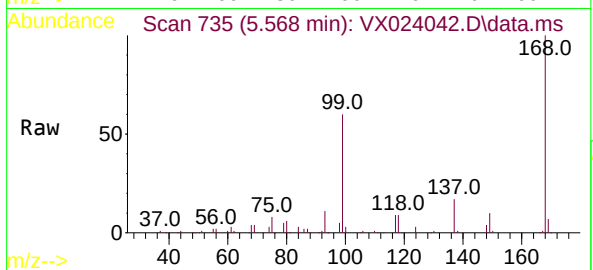




#36
1,1-Dichloropropene
Concen: 5.242 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

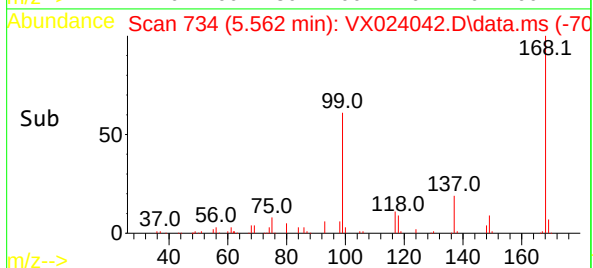
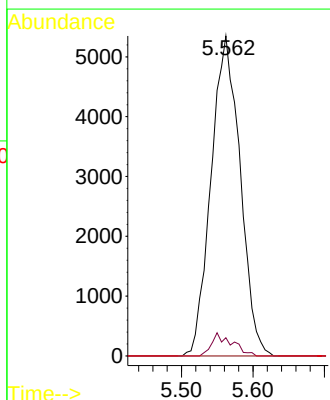
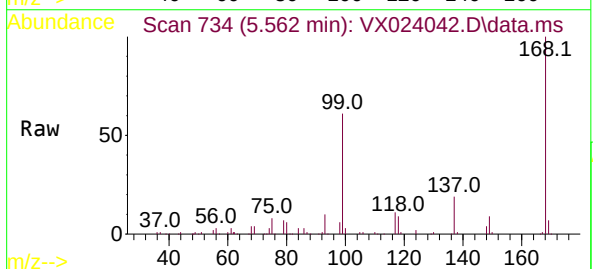
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210827

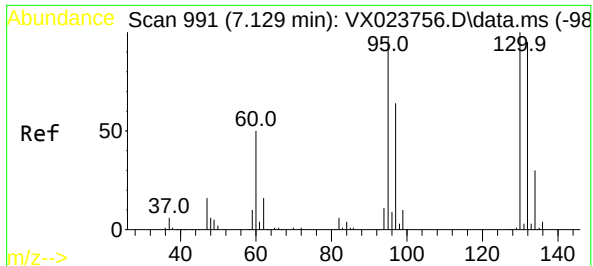
Tgt Ion: 75 Resp: 11942
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.352 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Tgt Ion: 117 Resp: 15089
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 24.8 37.2#

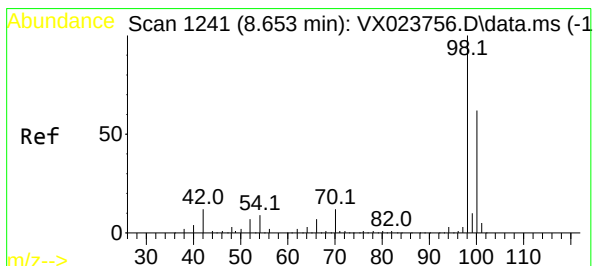
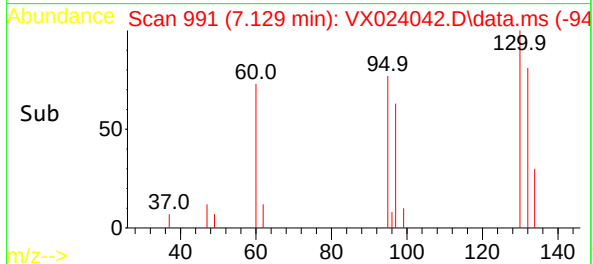
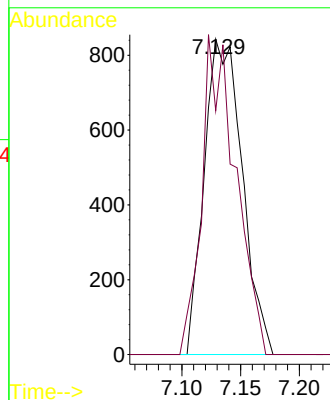
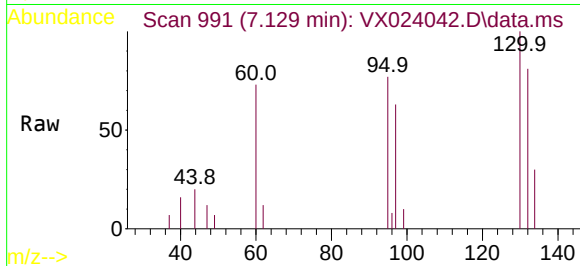




#44
Trichloroethene
Concen: 1.017 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

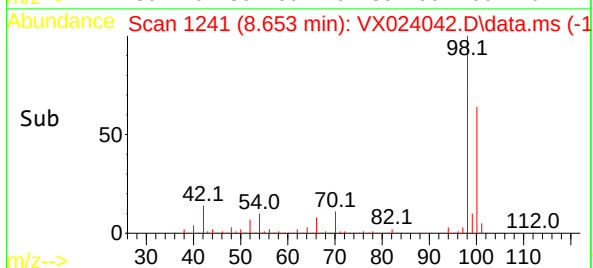
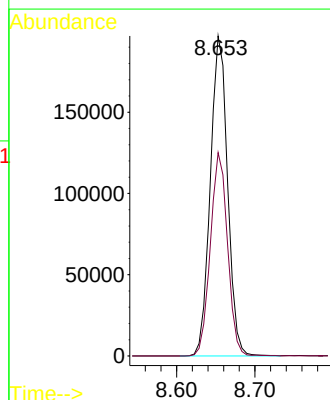
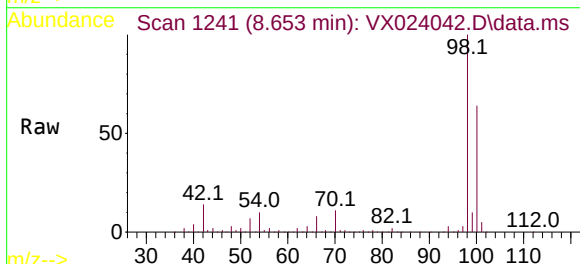
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210827

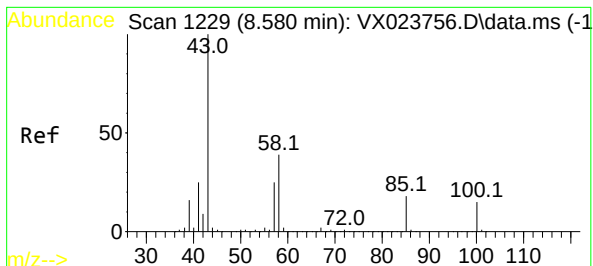
Tgt Ion:130 Resp: 1892
Ion Ratio Lower Upper
130 100
95 77.3 0.0 198.0



#50
Toluene-d8
Concen: 48.604 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Tgt Ion: 98 Resp: 301208
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

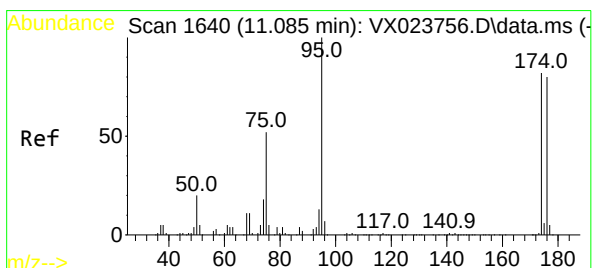
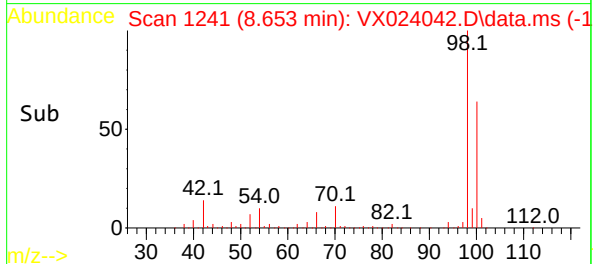
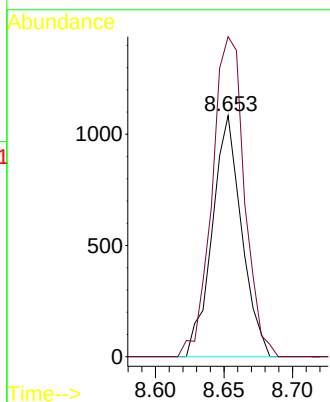
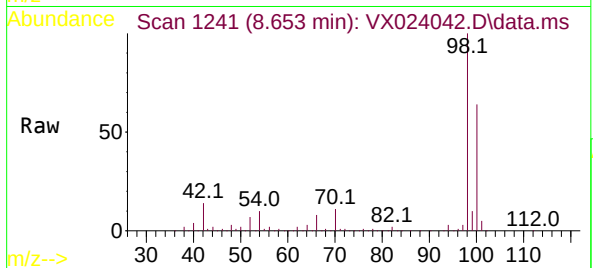




#51
4-Methyl-2-Pentanone
Concen: 0.572 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

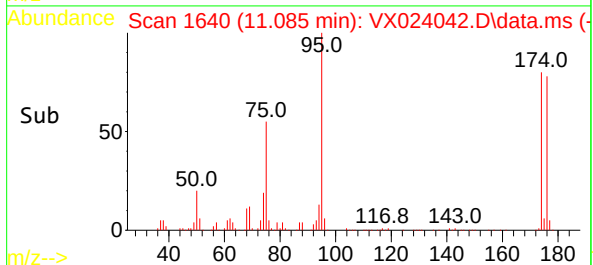
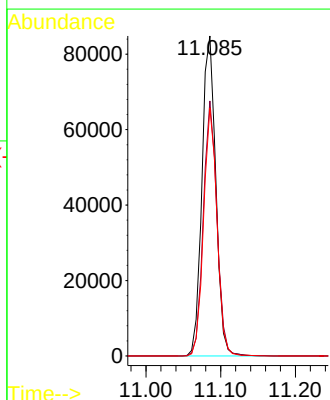
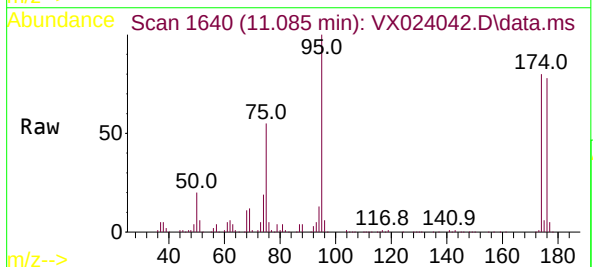
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210827

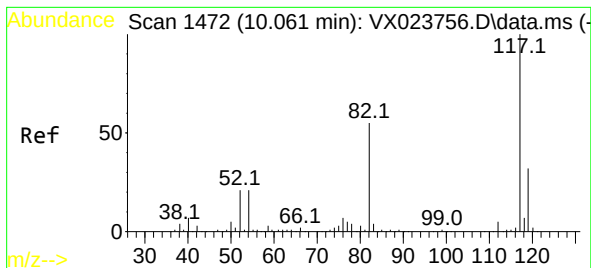
Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
58 145.9 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 47.816 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Tgt Ion: 95 Resp: 109085
Ion Ratio Lower Upper
95 100
174 78.3 0.0 154.6
176 75.1 0.0 155.8

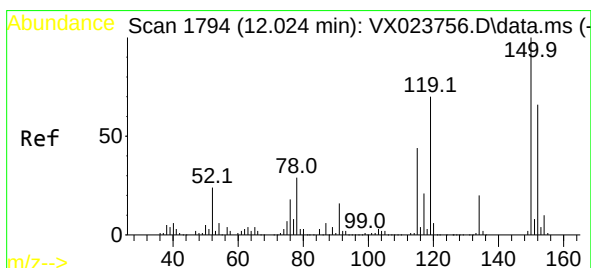
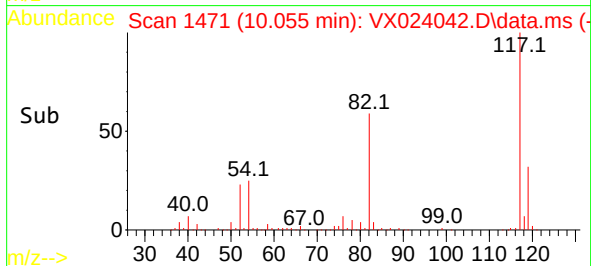
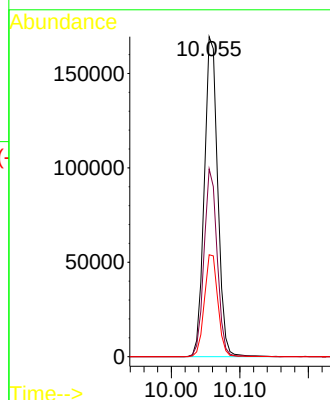
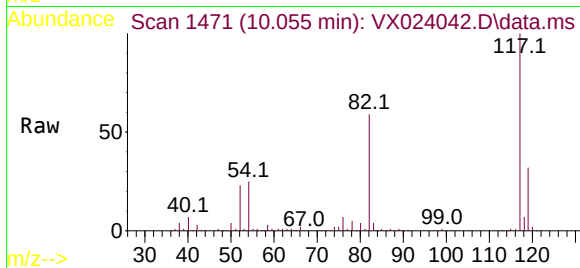




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

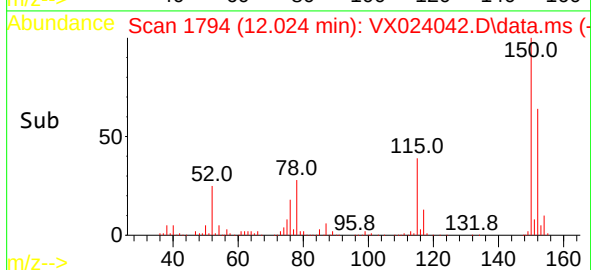
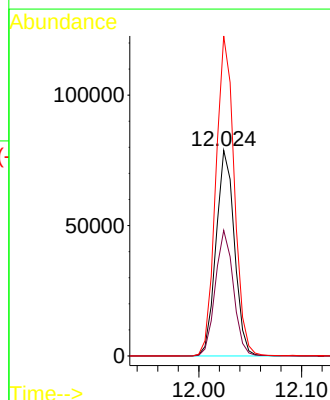
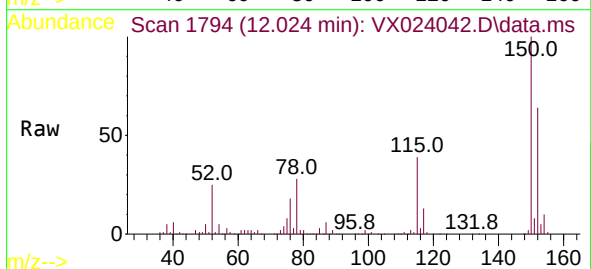
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210827

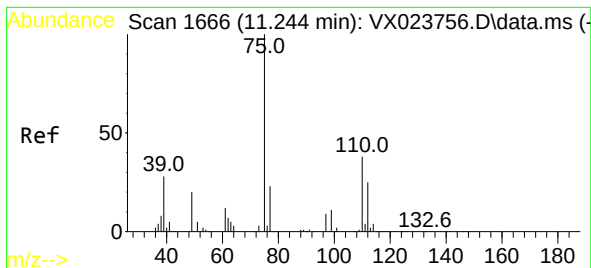
Tgt Ion:117 Resp: 231324
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Tgt Ion:152 Resp: 97678
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 156.1 0.0 349.0

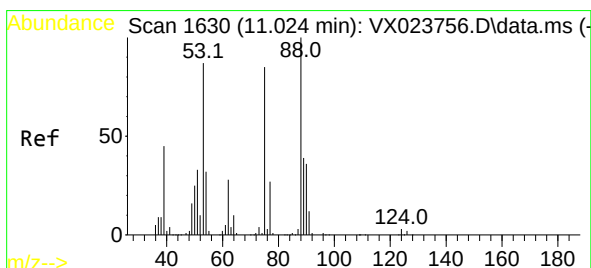
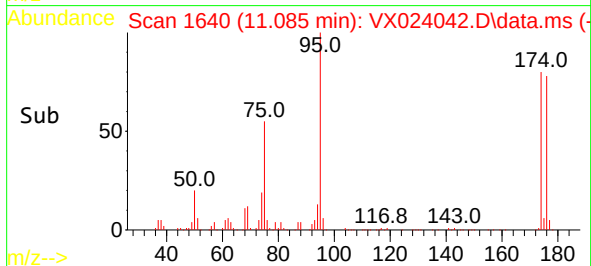
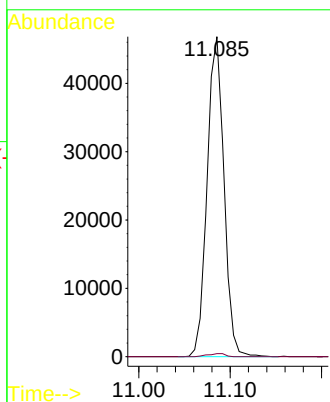
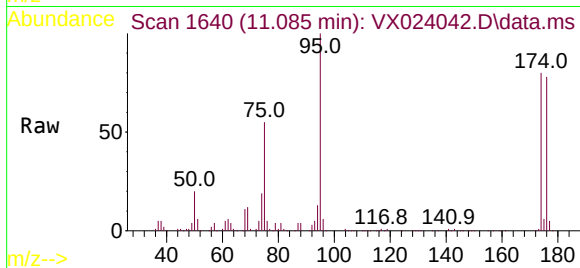




#76
1,2,3-Trichloropropane
Concen: 26.235 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

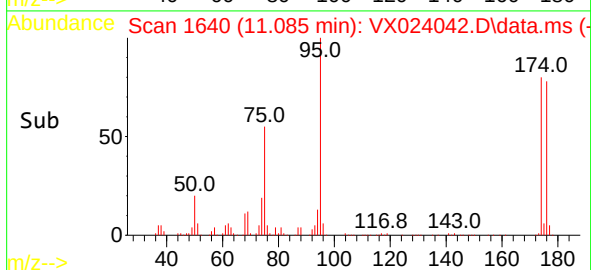
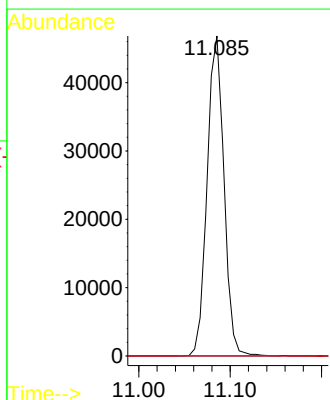
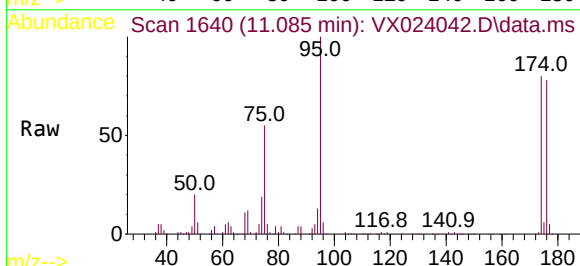
Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210827

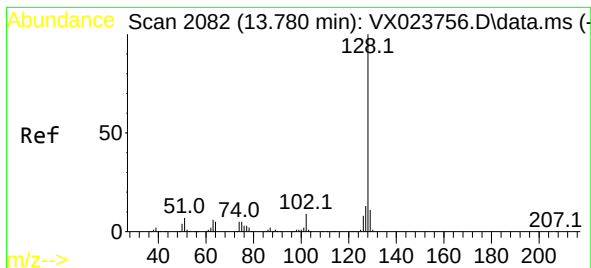
Tgt Ion: 75 Resp: 59778
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.171 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Tgt Ion: 75 Resp: 59778
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.285 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024042.D
Acq: 31 Aug 2021 14:25

Instrument :
MSVOA_X
ClientSampleId :
ROOF-DRAIN-20210827

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

