

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091321\
 Data File : VX024191.D
 Acq On : 13 Sep 2021 17:59
 Operator : JC/MD
 Sample : M3686-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MAIN-GUARD-HOUSE-JET-GROUT

Quant Time: Sep 14 05:25:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091321W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 13 12:27:19 2021
 Response via : Initial Calibration

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

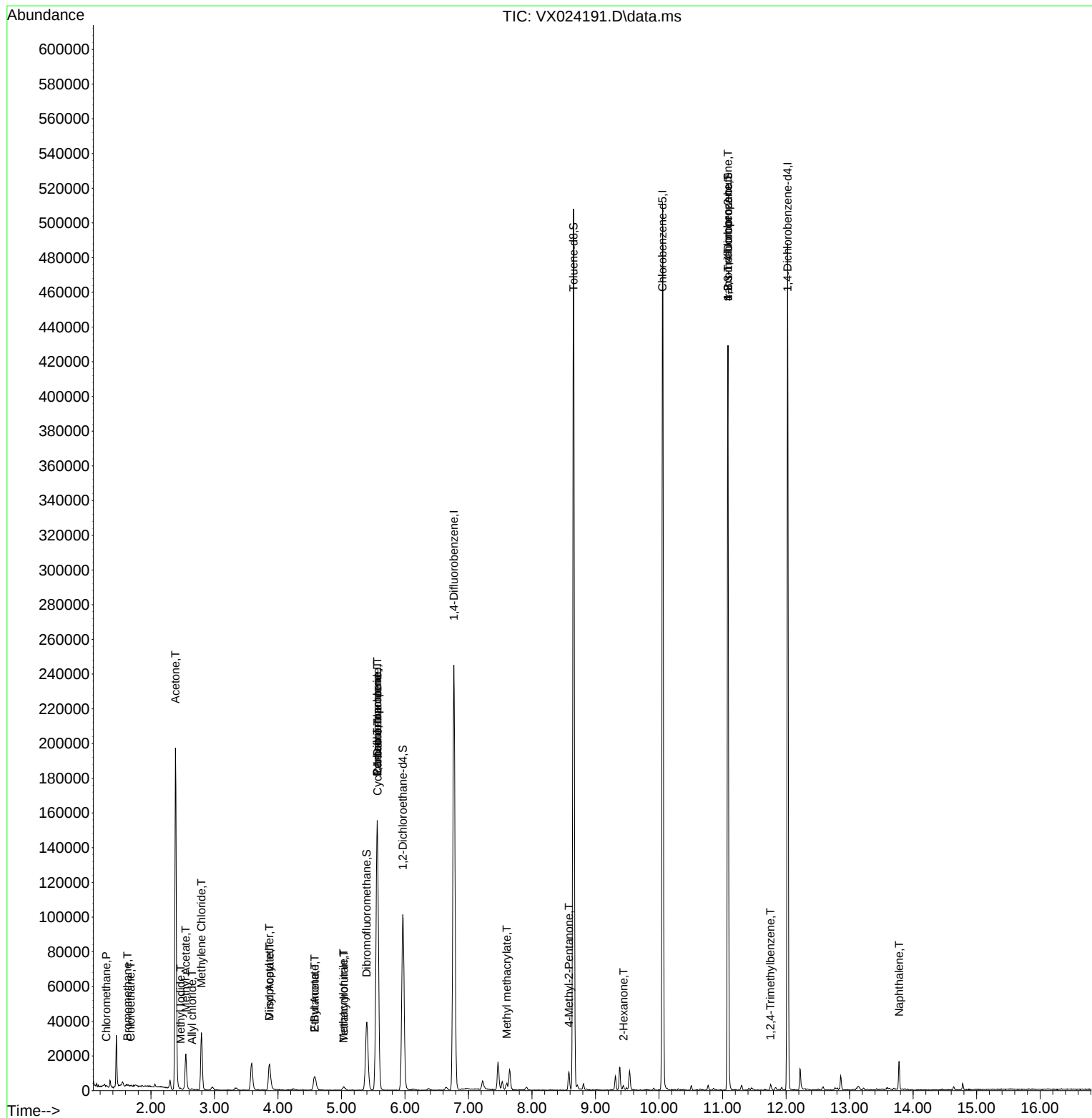
Internal Standards						
1) Pentafluorobenzene	5.562	168	141709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	238773	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104038	51.967	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.940%			
35) Dibromofluoromethane	5.397	113	33170	20.303	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 40.600%#			
50) Toluene-d8	8.653	98	296554	49.978	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.960%			
62) 4-Bromofluorobenzene	11.085	95	110047	48.096	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.200%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	223	0.819	ug/l	96
5) Bromomethane	1.630	94	515	0.660	ug/l #	64
6) Chloroethane	1.679	64	247	0.275	ug/l #	43
10) Methyl Iodide	2.465	142	582	0.331	ug/l #	91
11) Tert butyl alcohol	2.965	59	1840	Below Cal	#	78
14) Allyl chloride	2.648	41	496	0.214	ug/l #	25
16) Acetone	2.386	43	200760	256.594	ug/l	90
18) Methyl Acetate	2.544	43	6472	2.906	ug/l #	47
20) Methylene Chloride	2.794	84	14436	10.414	ug/l	88
22) Diisopropyl ether	3.861	45	1002	0.217	ug/l #	1
23) Vinyl Acetate	3.867	43	2715	0.741	ug/l #	68
25) 2-Butanone	4.574	43	13377	10.663	ug/l	90
29) Tetrahydrofuran	5.038	42	1360	1.722	ug/l #	83
31) Cyclohexane	5.568	56	3301	1.479	ug/l #	50
36) 1,1-Dichloropropene	5.562	75	11726	5.322	ug/l #	49
37) Ethyl Acetate	4.574	43	13377	5.329	ug/l #	64
38) Carbon Tetrachloride	5.562	117	15115	6.267	ug/l #	16
41) Methacrylonitrile	5.032	41	1057	0.792	ug/l #	44
48) Methyl methacrylate	7.604	41	5423	2.804	ug/l #	17
51) 4-Methyl-2-Pentanone	8.580	43	6792	2.644	ug/l	87
59) 2-Hexanone	9.439	43	1126	0.560	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	58565	26.674	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	58565	78.748	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	1246	0.208	ug/l #	40
95) Naphthalene	13.780	128	10037	1.629	ug/l	97

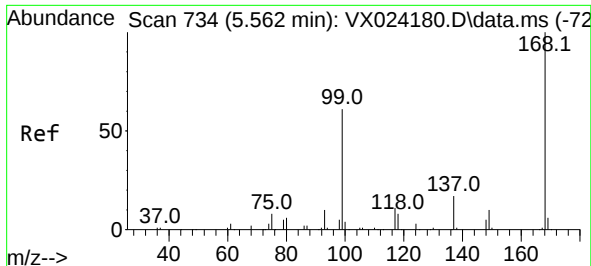
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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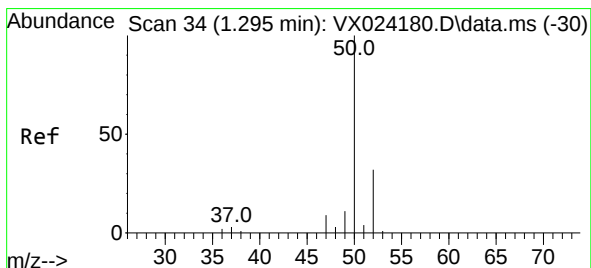
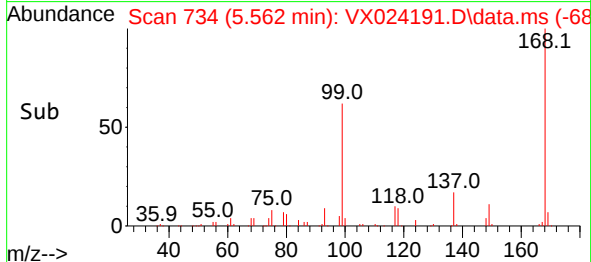
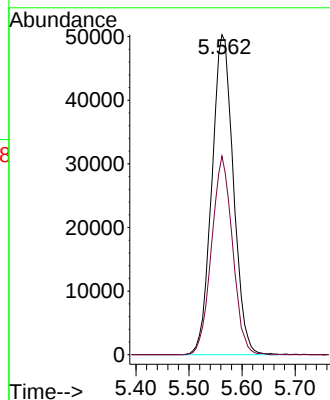
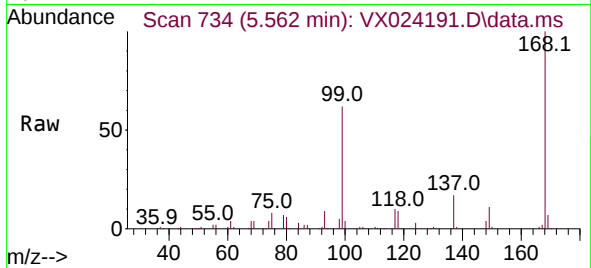




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

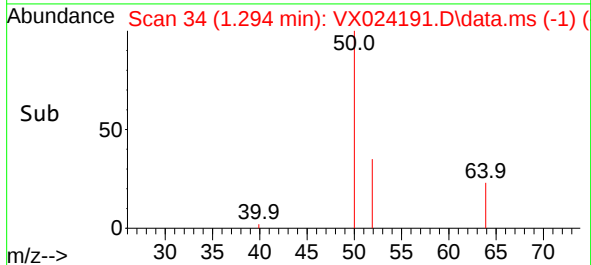
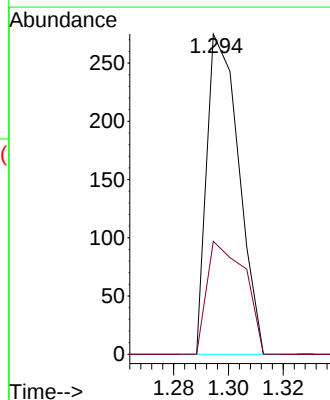
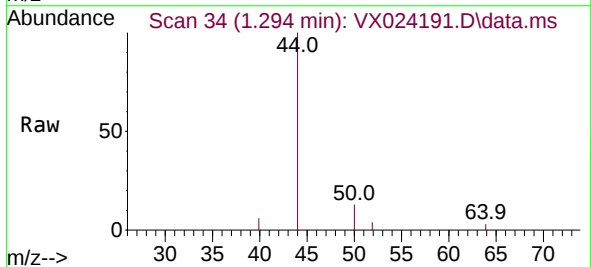
Instrument :
MSVOA_X
ClientSampleId :
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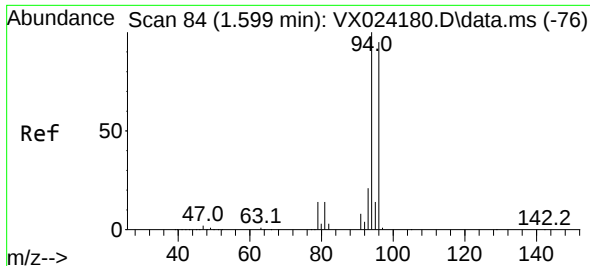
Tgt Ion:168 Resp: 141709
Ion Ratio Lower Upper
168 100
99 62.1 45.8 68.6



#3
Chloromethane
Concen: 0.819 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 50 Resp: 223
Ion Ratio Lower Upper
50 100
52 35.3 26.4 39.6

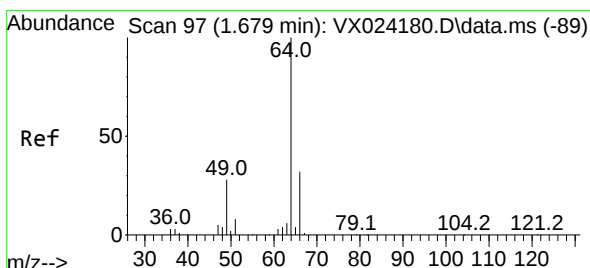
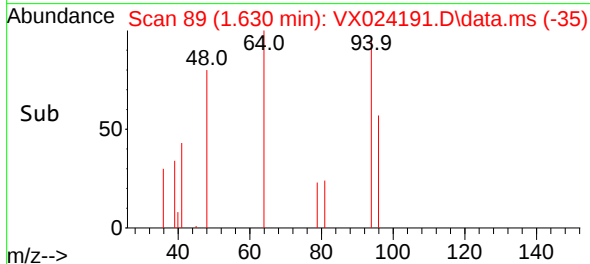
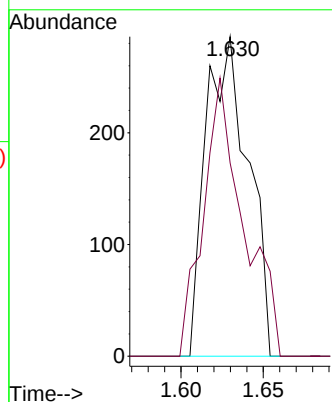
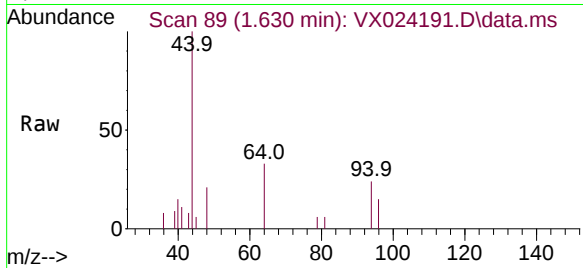




#5
Bromomethane
Concen: 0.660 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

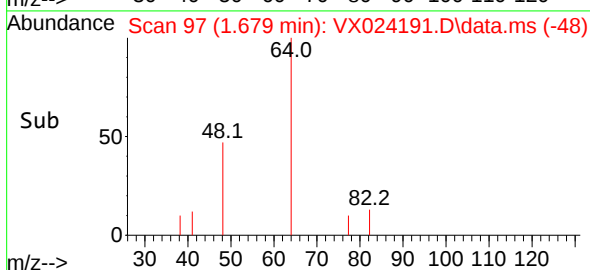
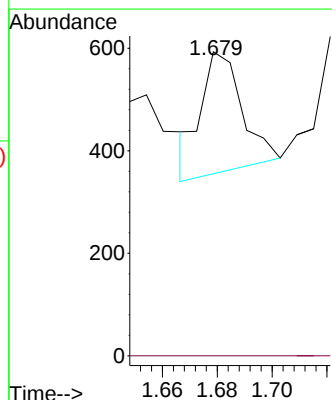
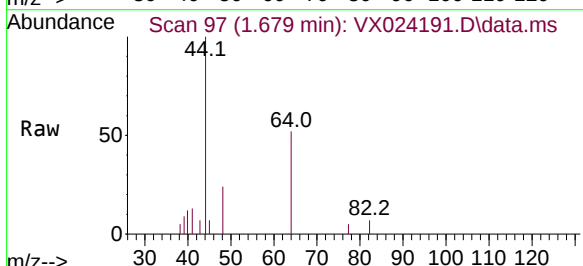
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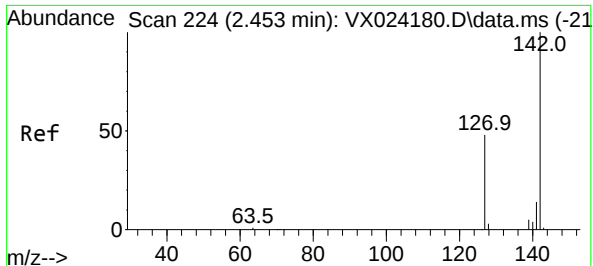
Tgt Ion: 94 Resp: 515
Ion Ratio Lower Upper
94 100
96 60.5 76.4 114.6#



#6
Chloroethane
Concen: 0.275 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 64 Resp: 247
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

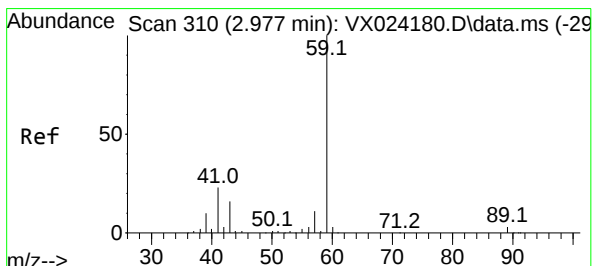
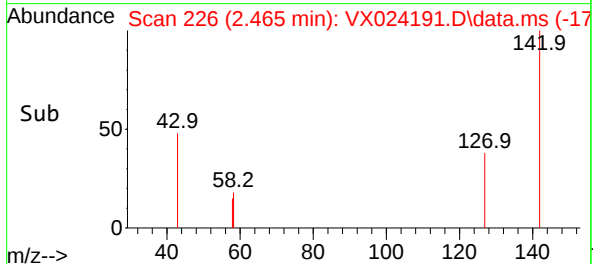
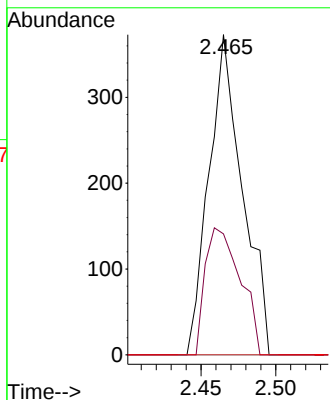
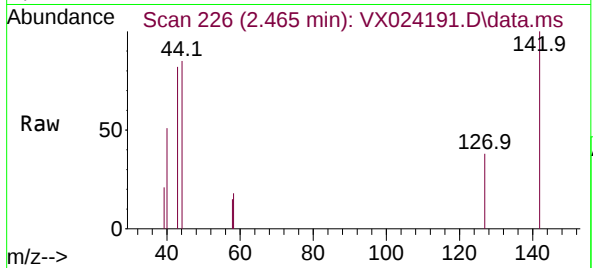




#10
Methyl Iodide
Concen: 0.331 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

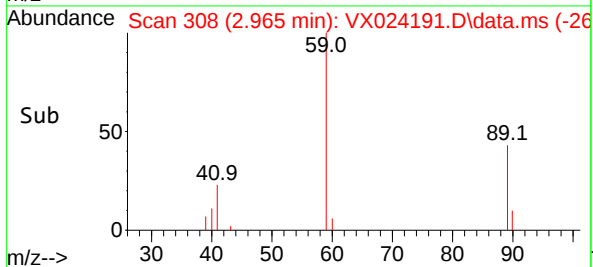
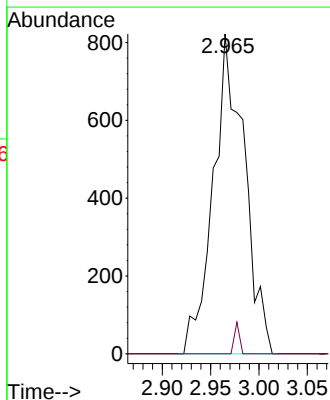
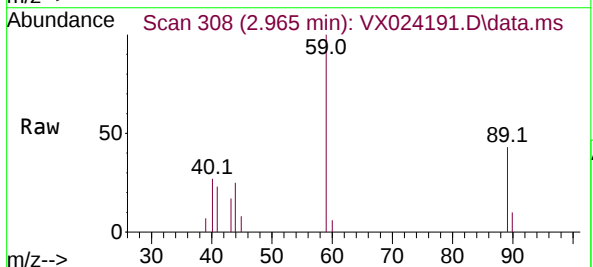
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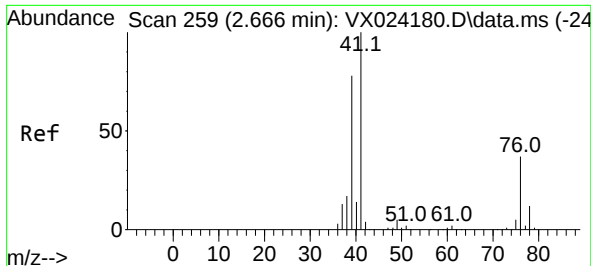
Tgt Ion:142 Resp: 582
Ion Ratio Lower Upper
142 100
127 41.6 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 59 Resp: 1840
Ion Ratio Lower Upper
59 100
57 1.6 7.8 11.8#

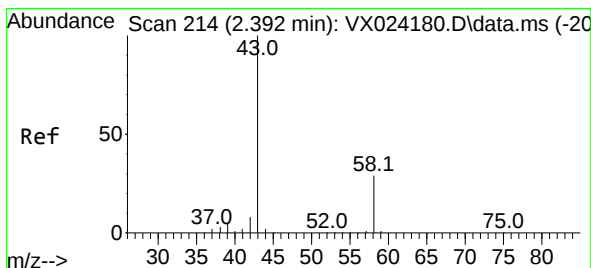
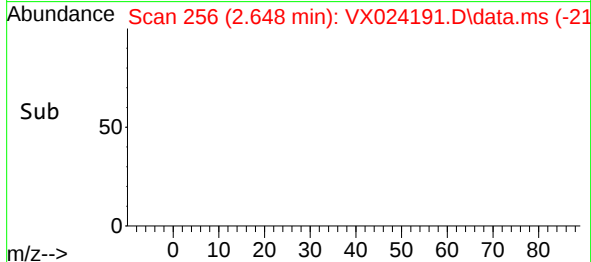
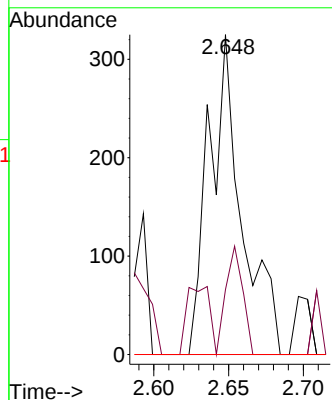
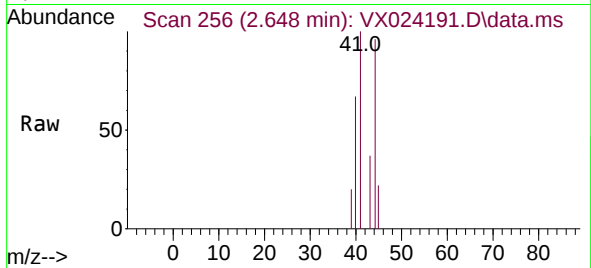




#14
 Allyl chloride
 Concen: 0.214 ug/l
 RT: 2.648 min Scan# 256
 Delta R.T. -0.018 min
 Lab File: VX024191.D
 Acq: 13 Sep 2021 17:59

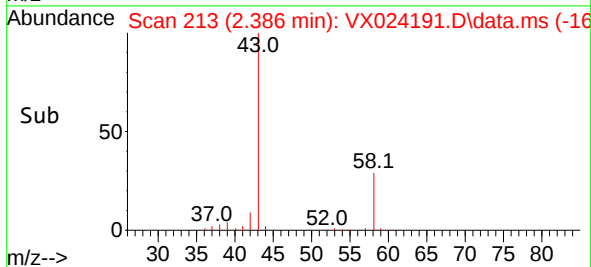
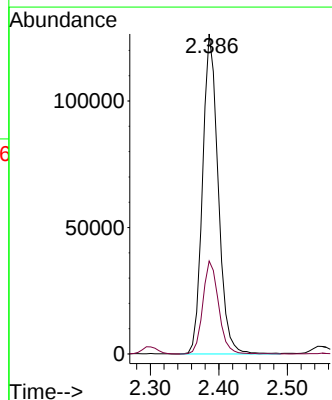
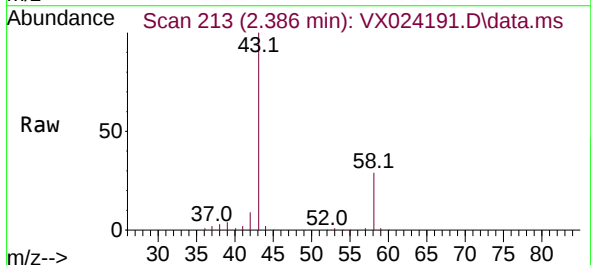
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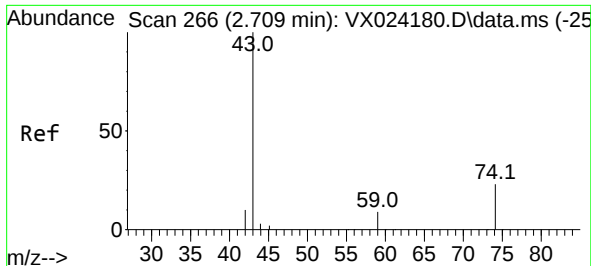
Tgt Ion: 41 Resp: 496
 Ion Ratio Lower Upper
 41 100
 39 0.0 51.6 77.4#
 76 0.0 30.5 45.7#



#16
 Acetone
 Concen: 256.594 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX024191.D
 Acq: 13 Sep 2021 17:59

Tgt Ion: 43 Resp: 200760
 Ion Ratio Lower Upper
 43 100
 58 29.0 27.8 41.8

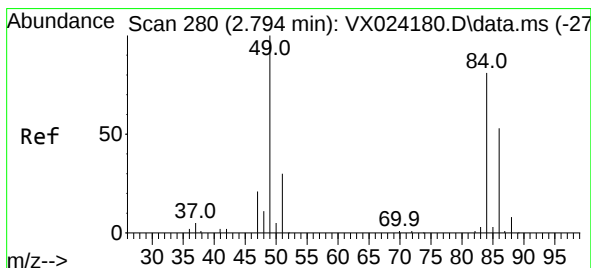
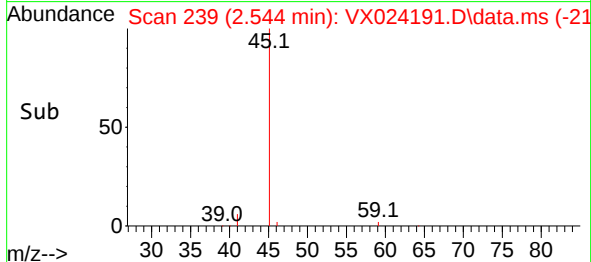
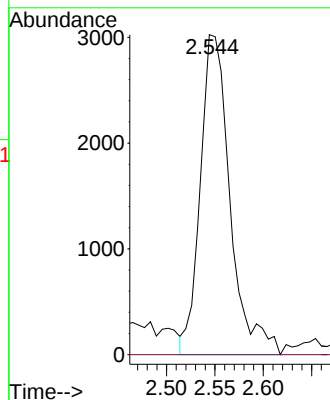
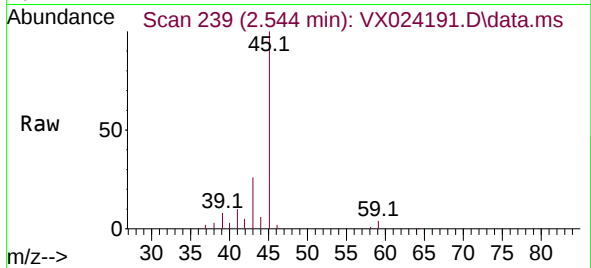




#18
Methyl Acetate
Concen: 2.906 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.165 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

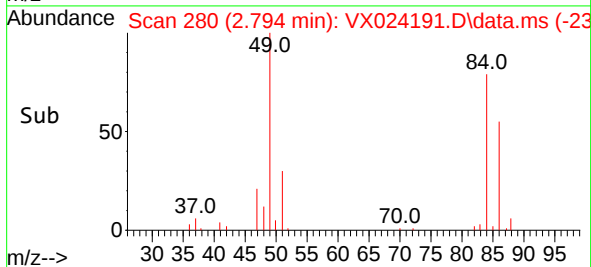
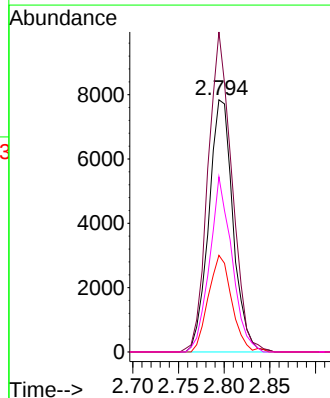
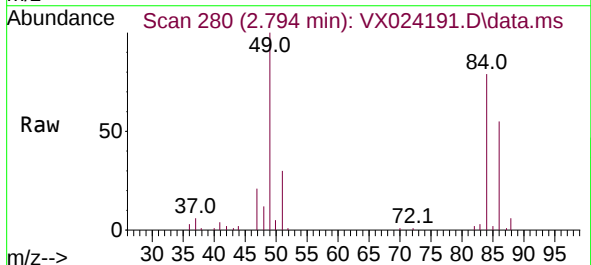
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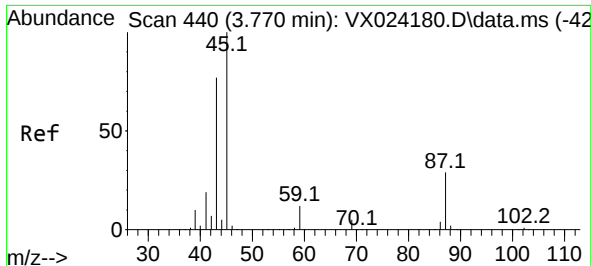
Tgt Ion: 43 Resp: 6472
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 10.414 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 84 Resp: 14436
Ion Ratio Lower Upper
84 100
49 126.9 88.6 132.8
51 38.3 27.0 40.6
86 69.5 50.3 75.5

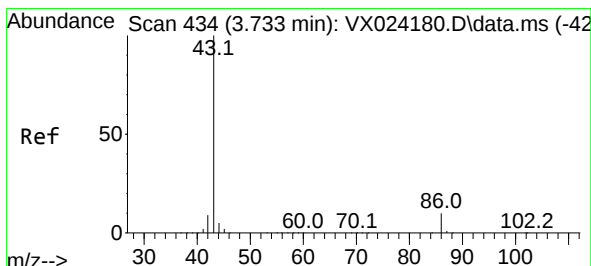
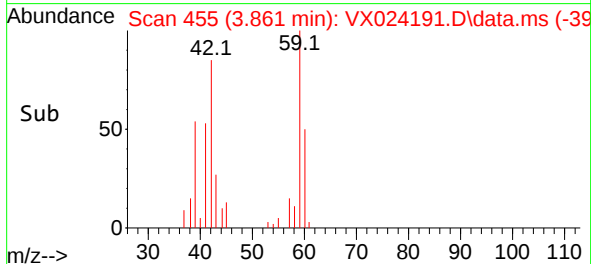
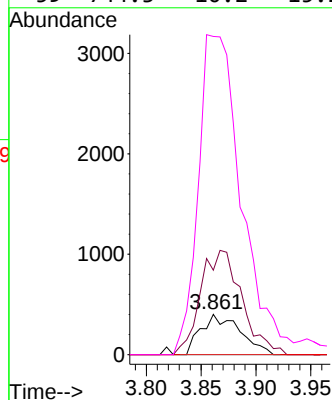
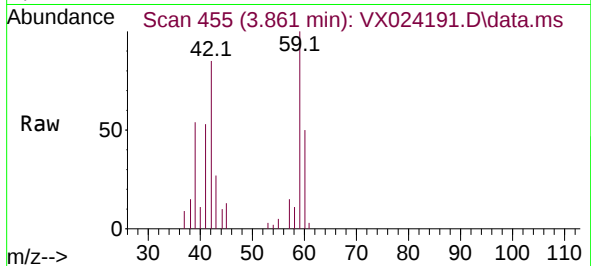




#22
Diisopropyl ether
Concen: 0.217 ug/l
RT: 3.861 min Scan# 455
Delta R.T. 0.091 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

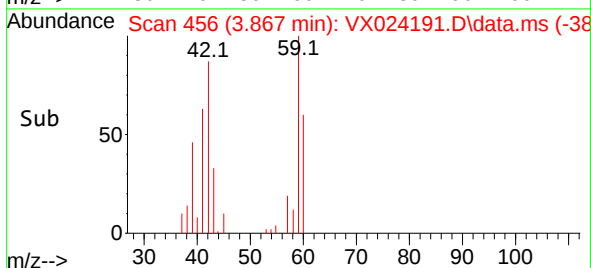
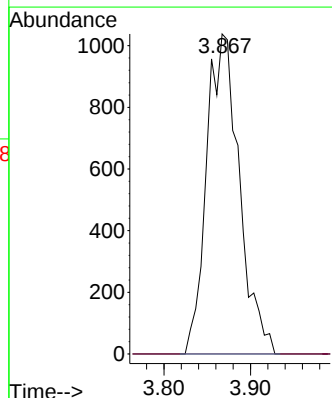
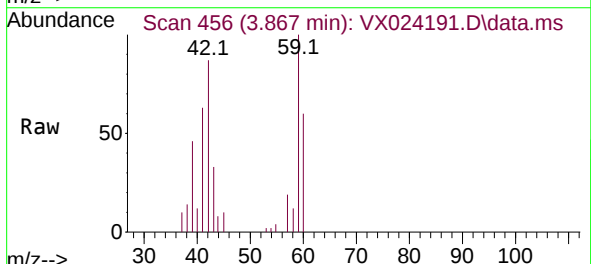
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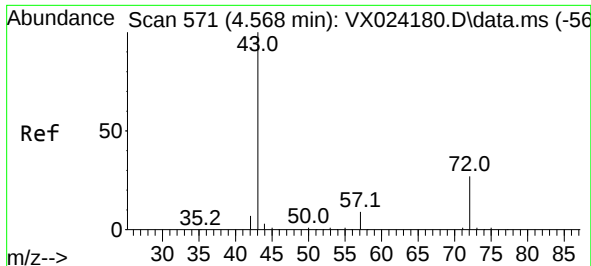
Tgt Ion:	45	Resp:	1002
Ion	Ratio	Lower	Upper
45	100		
43	192.8	58.0	87.0#
87	0.0	25.4	38.0#
59	744.3	10.2	15.2#



#23
Vinyl Acetate
Concen: 0.741 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.134 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion:	43	Resp:	2715
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.9	14.9#

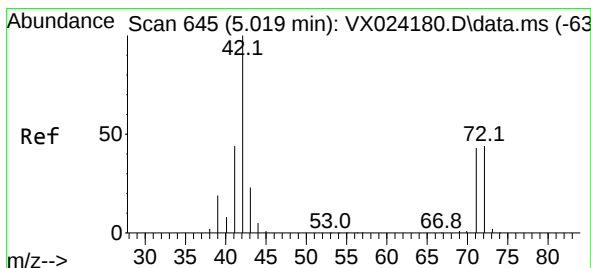
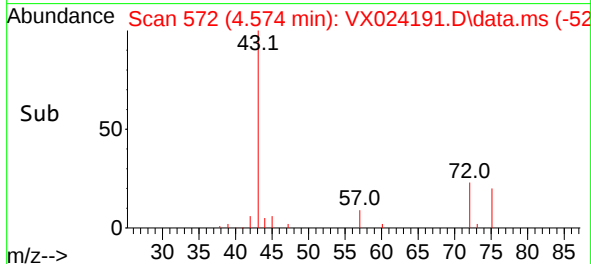
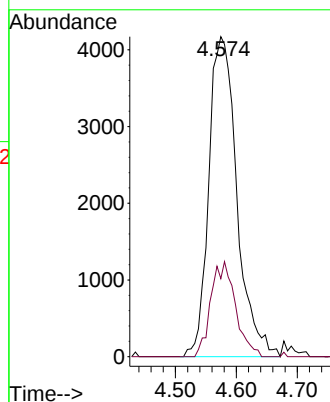
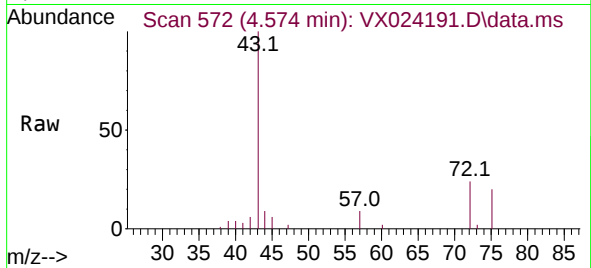




#25
2-Butanone
Concen: 10.663 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

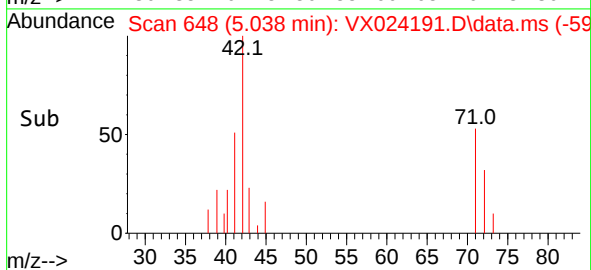
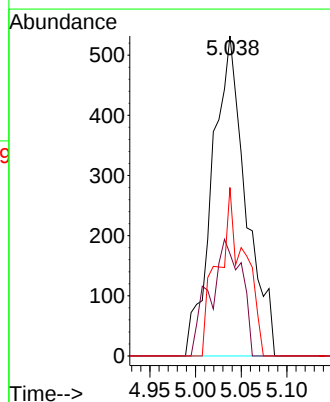
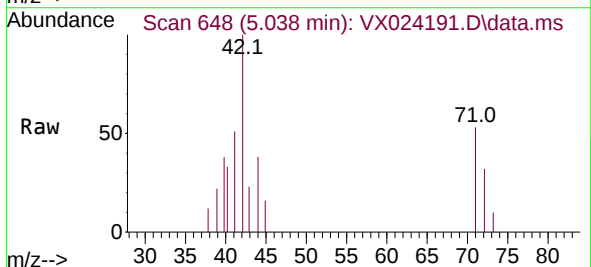
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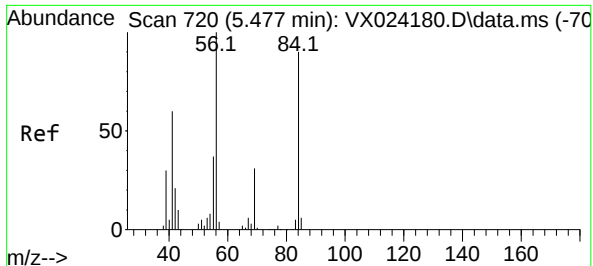
Tgt Ion: 43 Resp: 13377
Ion Ratio Lower Upper
43 100
72 24.4 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.722 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 42 Resp: 1360
Ion Ratio Lower Upper
42 100
72 34.3 41.7 62.5#
71 42.1 38.4 57.6

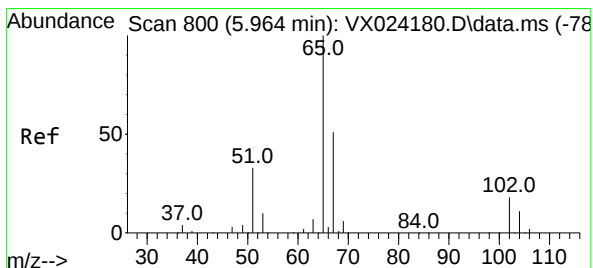
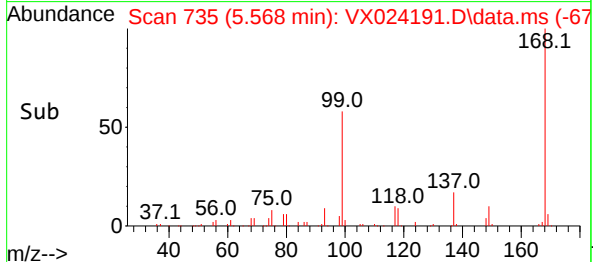
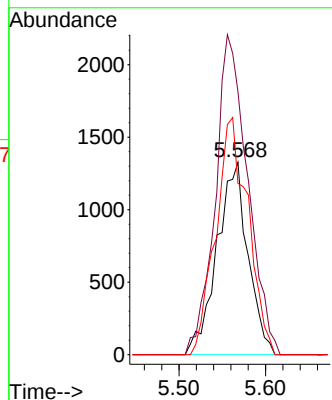
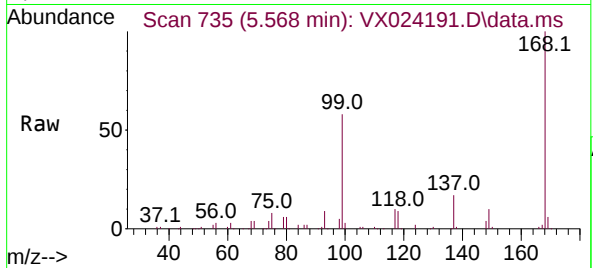




#31
Cyclohexane
Concen: 1.479 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

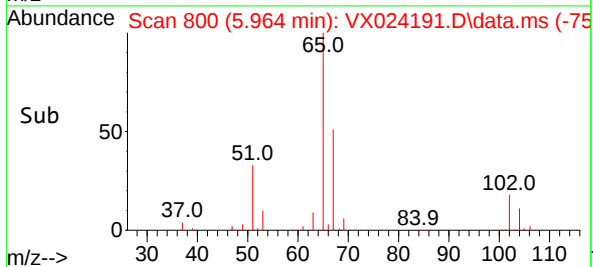
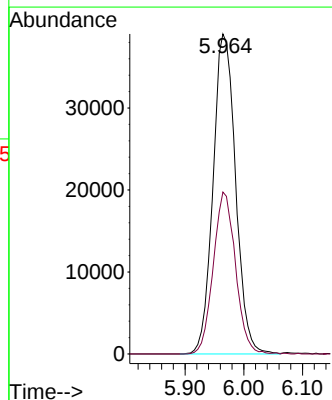
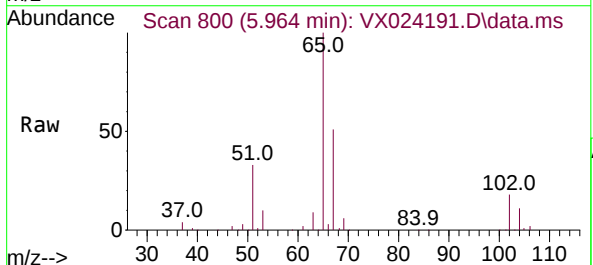
Instrument :
MSVOA_X
ClientSampleId :
MAIN-GUARD-HOUSE-JET-GROUT

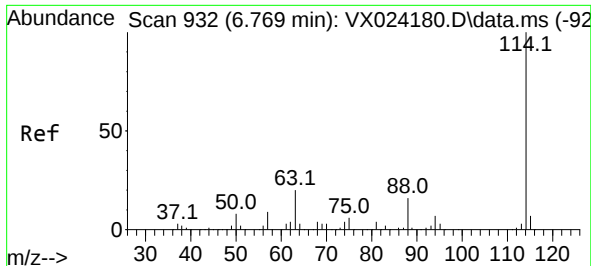
Tgt Ion: 56 Resp: 3301
Ion Ratio Lower Upper
56 100
69 136.8 25.3 37.9#
84 89.0 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.967 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 65 Resp: 104038
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4

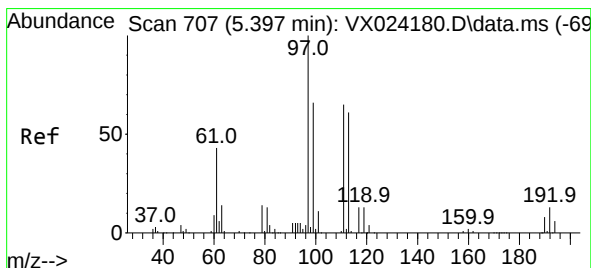
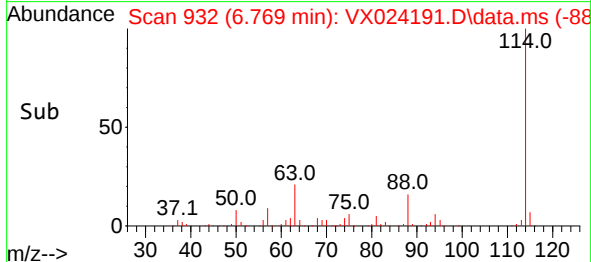
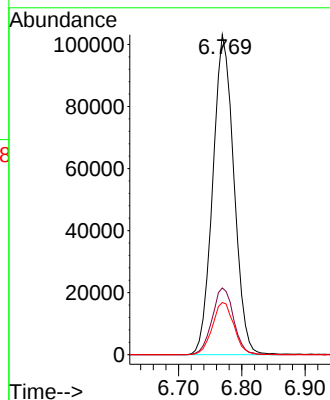
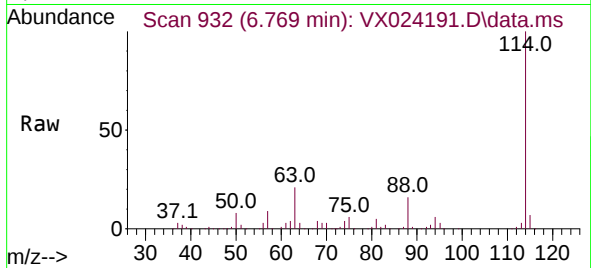




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

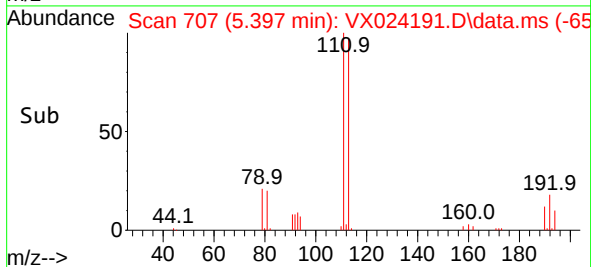
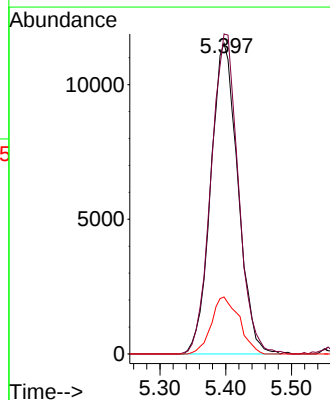
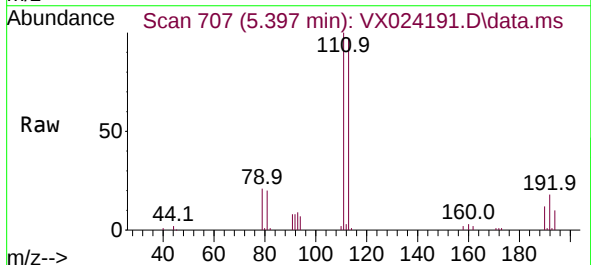
Instrument :
MSVOA_X
ClientSampleId :
MAIN-GUARD-HOUSE-JET-GROUT

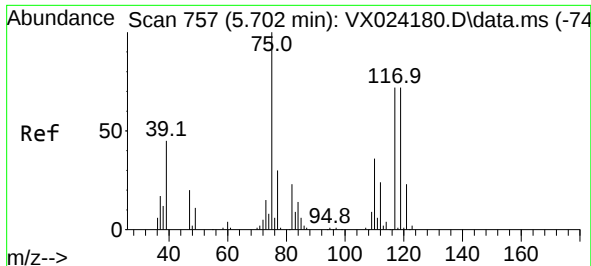
Tgt Ion:114 Resp: 238773
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 20.303 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion:113 Resp: 33170
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 18.8 16.7 25.1

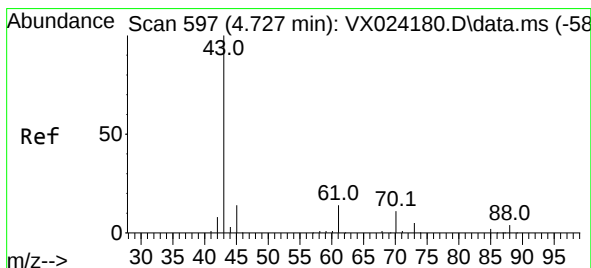
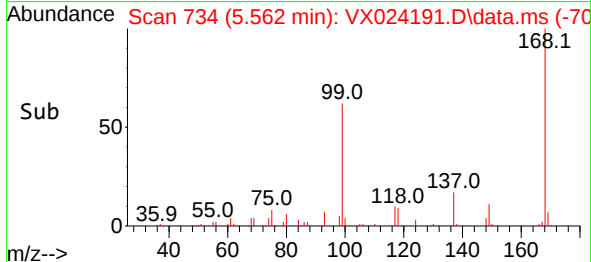
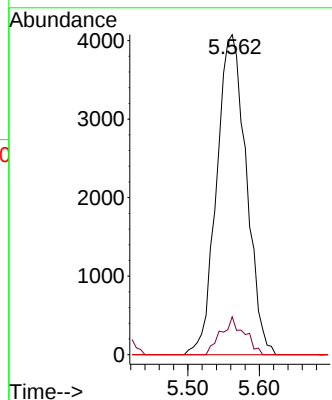
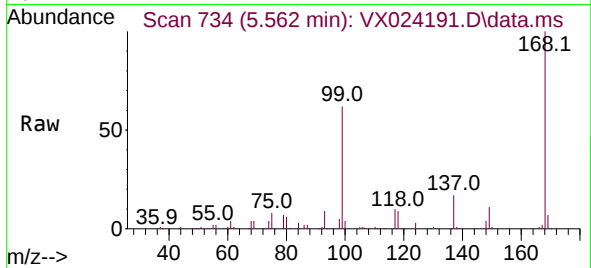




#36
1,1-Dichloropropene
Concen: 5.322 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

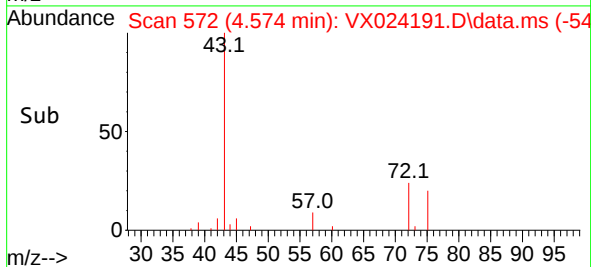
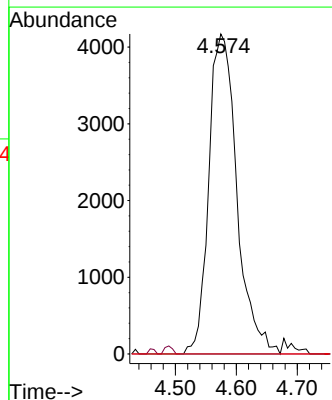
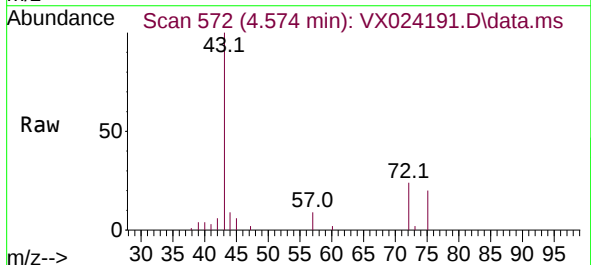
Instrument :
MSVOA_X
ClientSampleId :
MAIN-GUARD-HOUSE-JET-GROUT

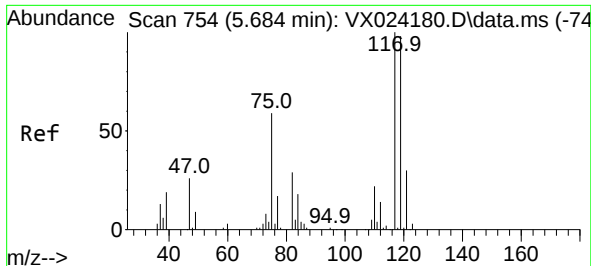
Tgt Ion: 75 Resp: 11726
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 5.329 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 43 Resp: 13377
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#

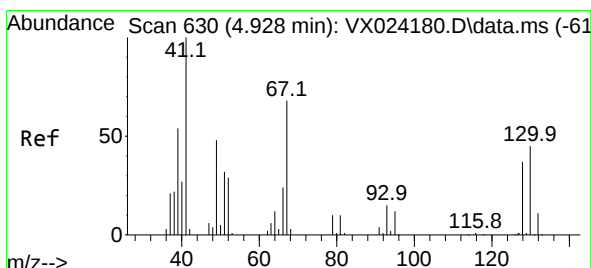
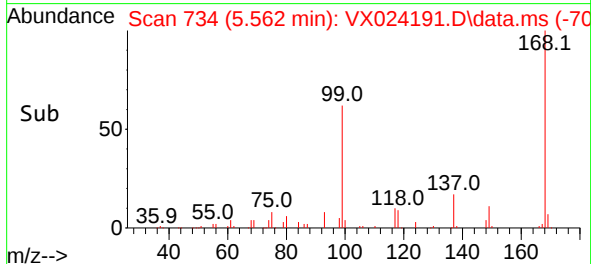
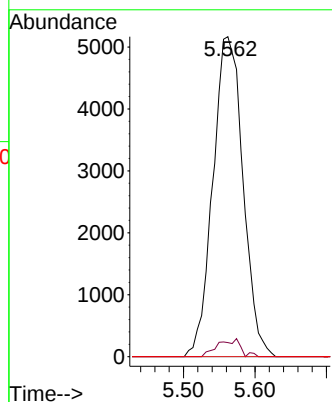
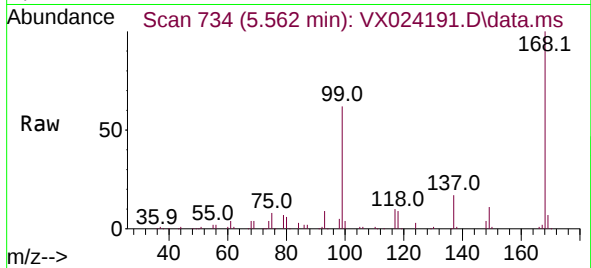




#38
Carbon Tetrachloride
Concen: 6.267 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

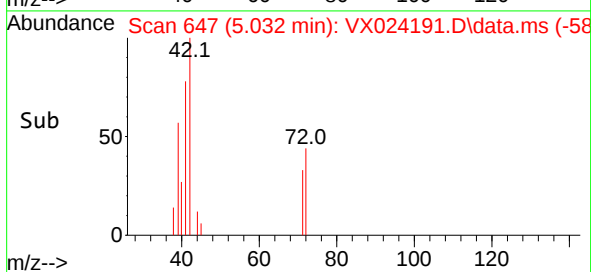
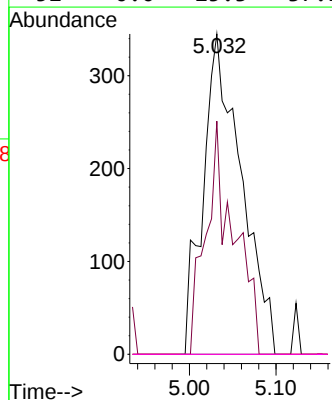
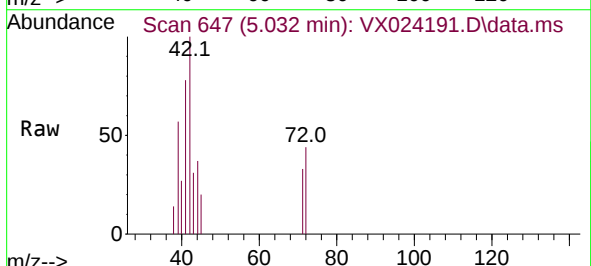
Instrument :
MSVOA_X
ClientSampleId :
MAIN-GUARD-HOUSE-JET-GROUT

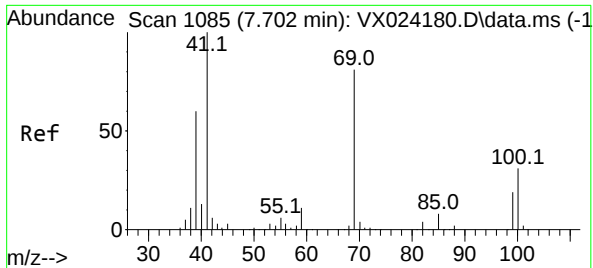
Tgt Ion: 117 Resp: 15115
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.792 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 41 Resp: 1057
Ion Ratio Lower Upper
41 100
39 53.6 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

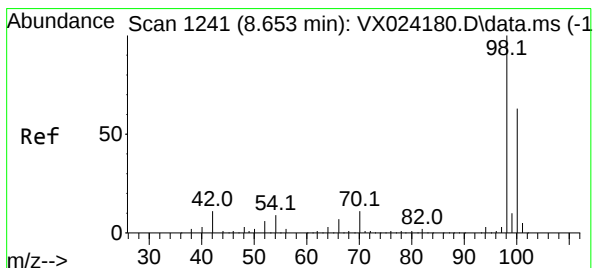
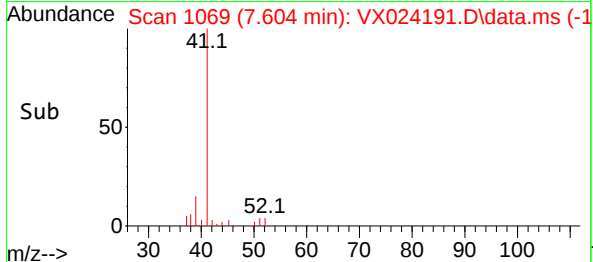
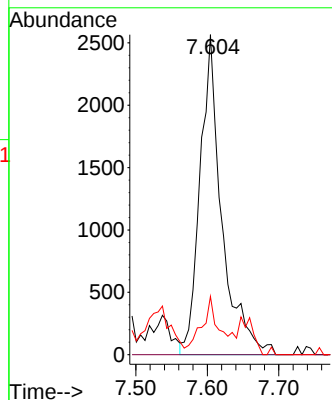
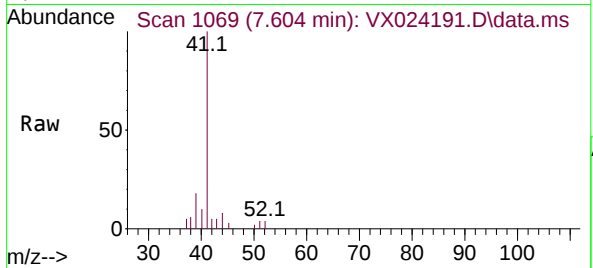




#48
Methyl methacrylate
Concen: 2.804 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

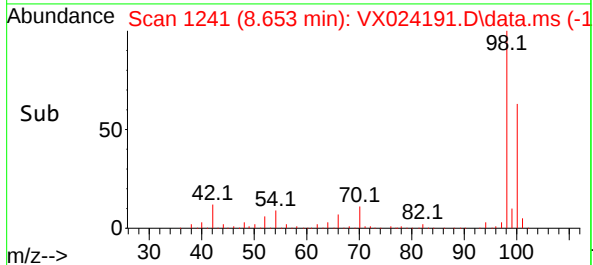
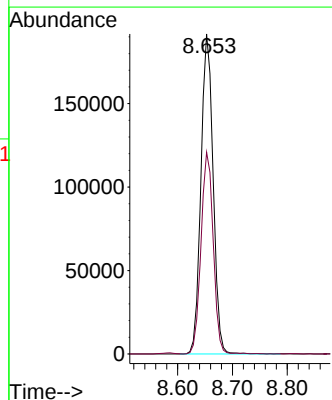
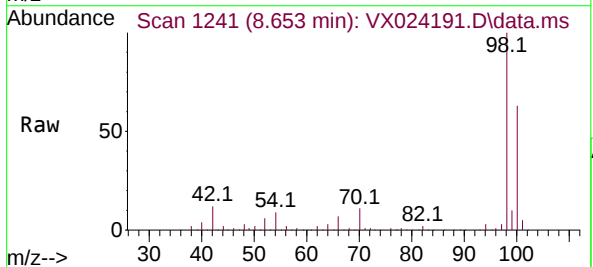
Instrument :
MSVOA_X
ClientSampleId :
MAIN-GUARD-HOUSE-JET-GROUT

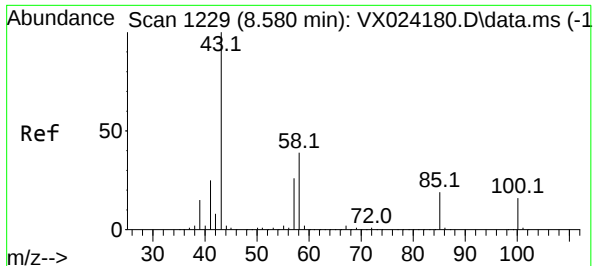
Tgt Ion: 41 Resp: 5423
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 13.0 44.6 67.0#



#50
Toluene-d8
Concen: 49.978 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 98 Resp: 296554
Ion Ratio Lower Upper
98 100
100 63.0 51.9 77.9

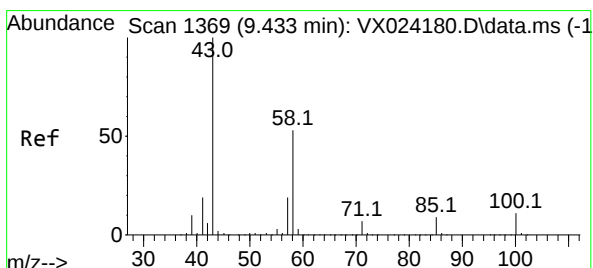
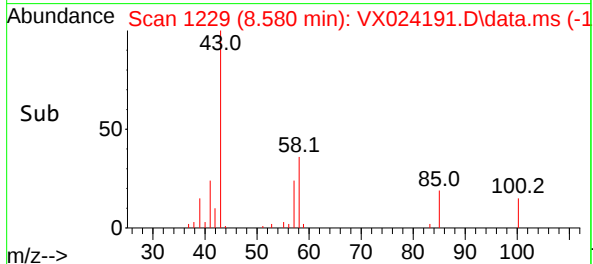
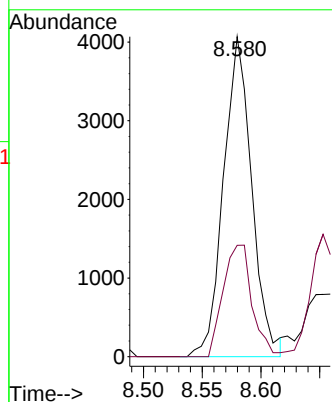
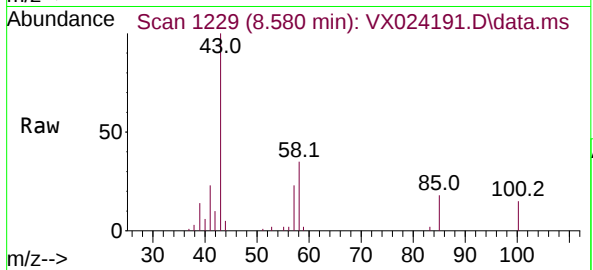




#51
4-Methyl-2-Pentanone
Concen: 2.644 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

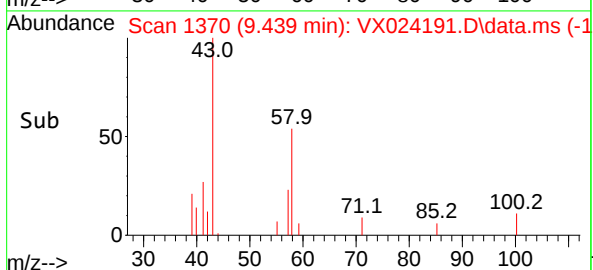
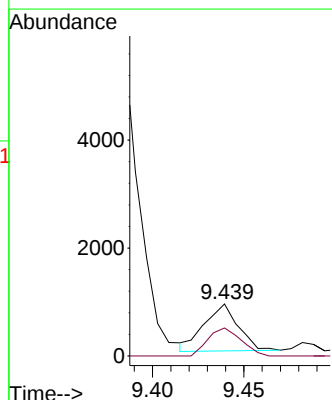
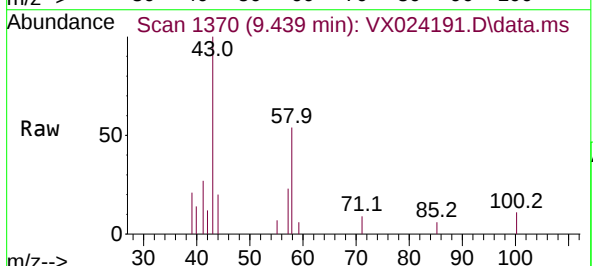
Instrument :
MSVOA_X
ClientSampleId :
MAIN-GUARD-HOUSE-JET-GROUT

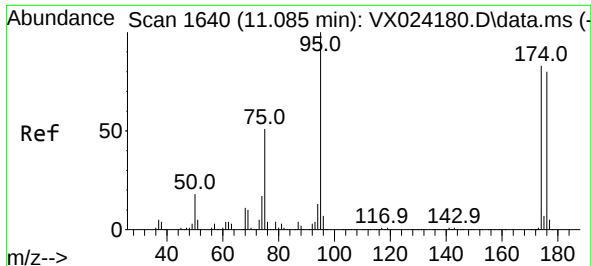
Tgt Ion: 43 Resp: 6792
Ion Ratio Lower Upper
43 100
58 35.8 35.4 53.0



#59
2-Hexanone
Concen: 0.560 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 43 Resp: 1126
Ion Ratio Lower Upper
43 100
58 58.1 30.9 92.8

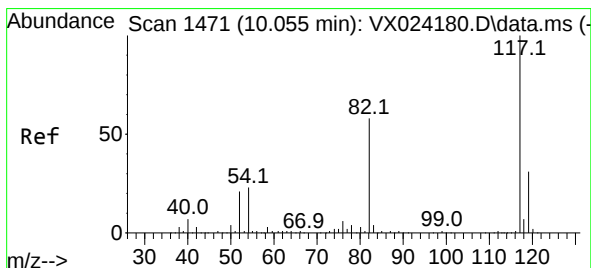
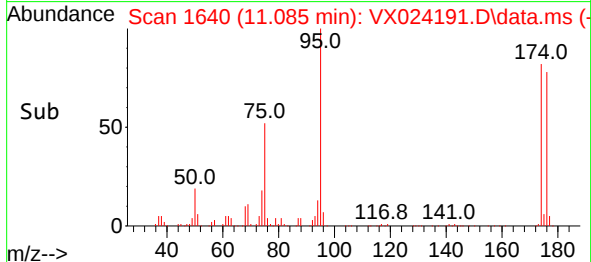
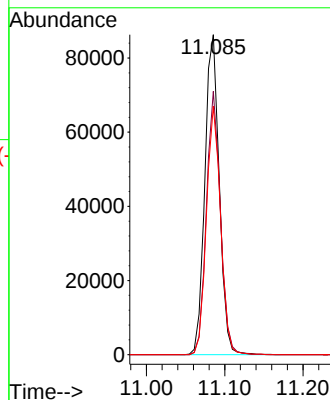
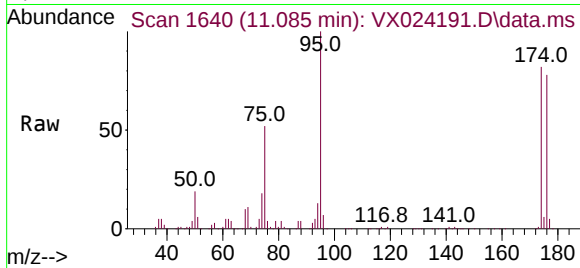




#62
4-Bromofluorobenzene
Concen: 48.096 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

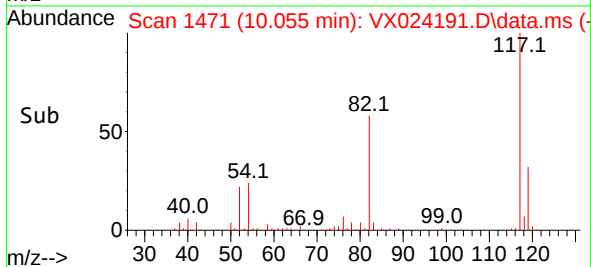
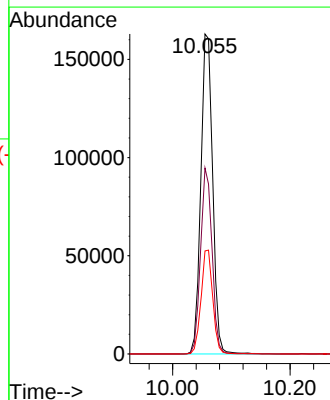
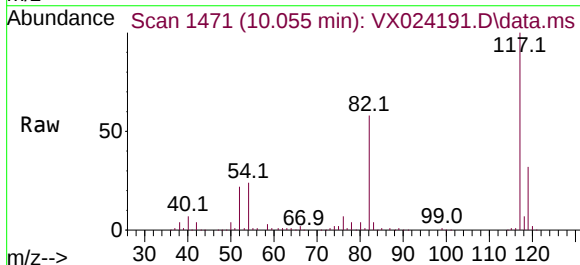
Instrument :
MSVOA_X
ClientSampleId :
MAIN-GUARD-HOUSE-JET-GROUT

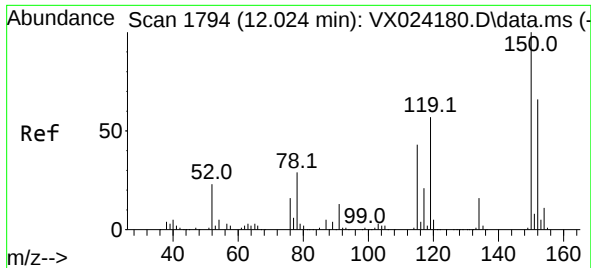
Tgt Ion: 95 Resp: 110047
Ion Ratio Lower Upper
95 100
174 79.9 0.0 154.6
176 76.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 117 Resp: 227916
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.2 26.6 39.8

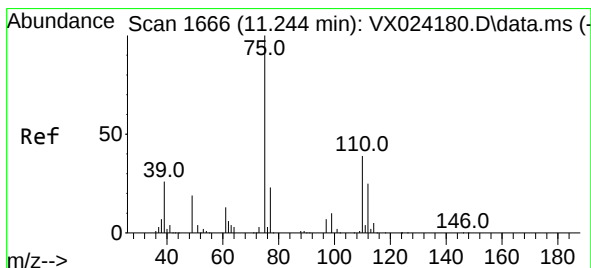
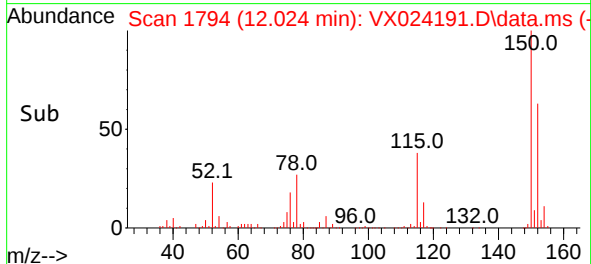
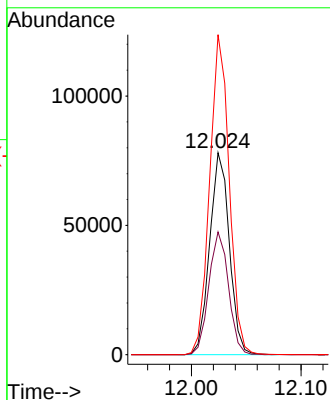
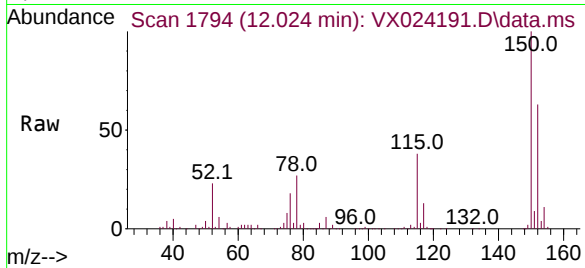




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024191.D
 Acq: 13 Sep 2021 17:59

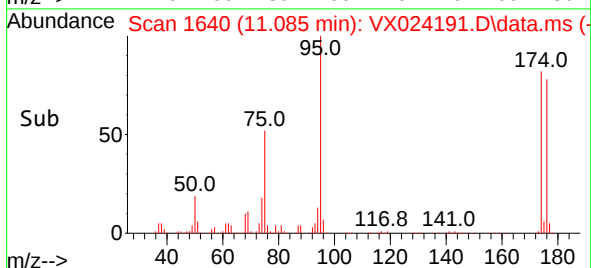
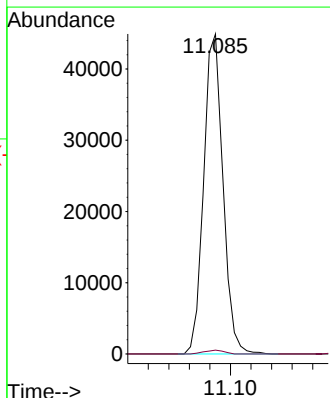
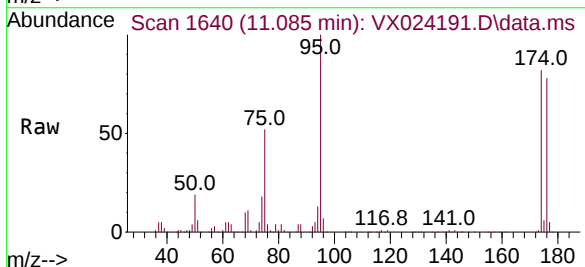
Instrument :
 MSVOA_X
 ClientSampleId :
 MAIN-GUARD-HOUSE-JET-GROUT

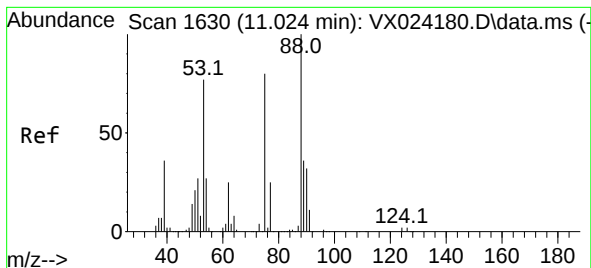
Tgt Ion:152 Resp: 97393
 Ion Ratio Lower Upper
 152 100
 115 60.8 41.1 123.3
 150 157.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.674 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024191.D
 Acq: 13 Sep 2021 17:59

Tgt Ion: 75 Resp: 58565
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

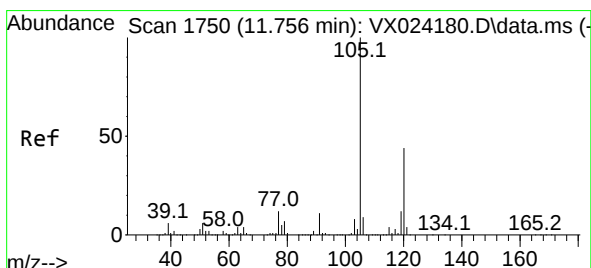
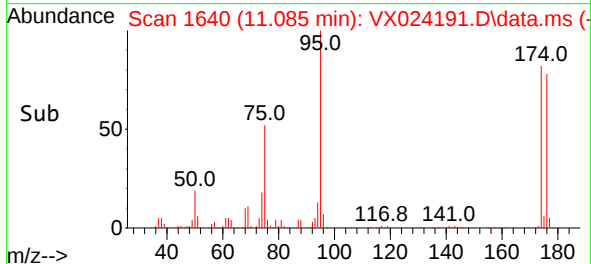
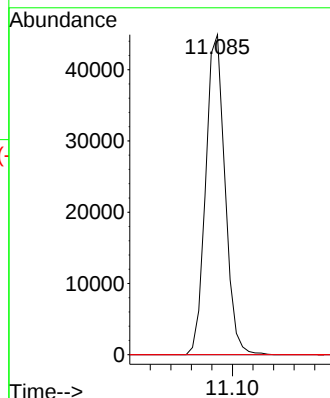
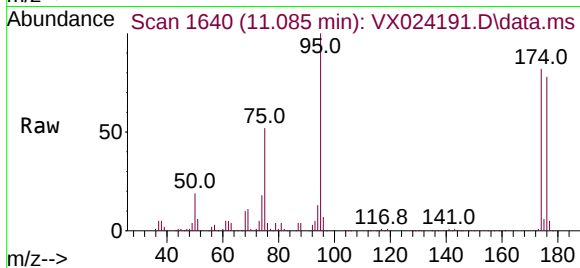




#81
trans-1,4-Dichloro-2-butene
Concen: 78.748 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

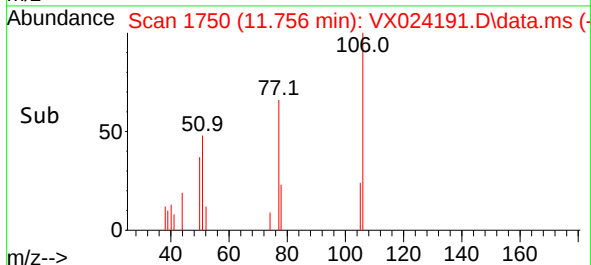
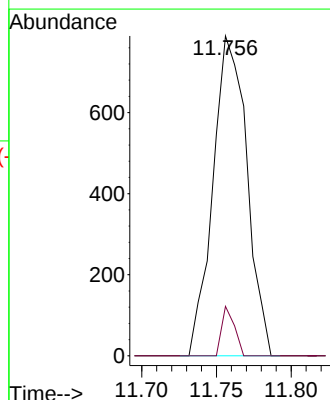
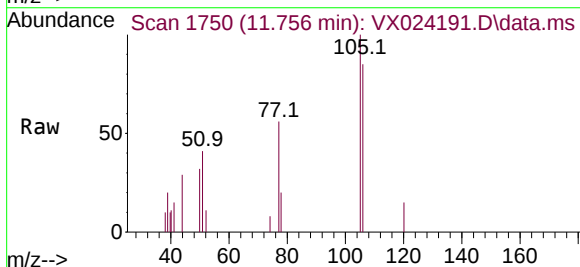
Instrument :
MSVOA_X
ClientSampleId :
MAIN-GUARD-HOUSE-JET-GROUT

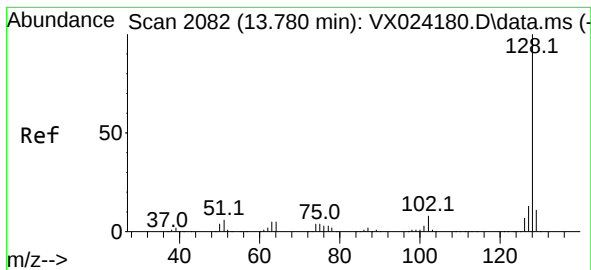
Tgt Ion: 75 Resp: 58565
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.208 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Tgt Ion: 105 Resp: 1246
Ion Ratio Lower Upper
105 100
120 5.8 22.4 67.3#





#95
Naphthalene
Concen: 1.629 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024191.D
Acq: 13 Sep 2021 17:59

Instrument :
MSVOA_X
ClientSampleId :
MAIN-GUARD-HOUSE-JET-GROUT

Tgt Ion:	128	Resp:	10037
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.3	15.5
129	10.4	8.8	13.2

