

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110922\
 Data File : VL039850.D
 Acq On : 9 Nov 2022 16:16
 Operator : SY/AP
 Sample : N5527-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10053-BASEMENT-BARDUP

Quant Time: Nov 10 03:49:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 03 09:27:12 2022
 Response via : Initial Calibration

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

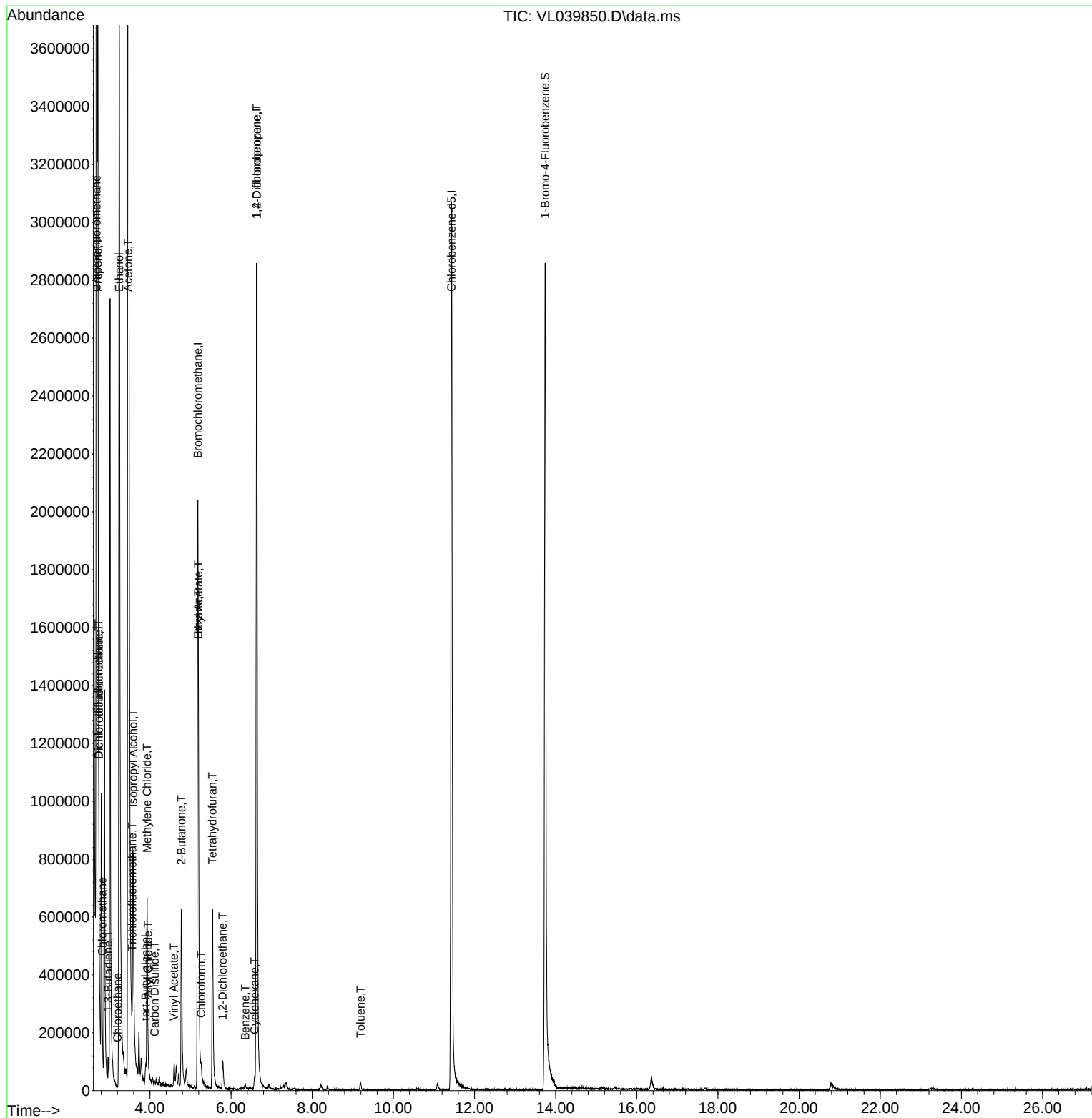
Internal Standards								
1) Bromochloromethane			5.179	49	952562	10.000	ppbv	0.00
33) 1,4-Difluorobenzene			6.632	114	2226111	10.000	ppbv	-0.01
55) Chlorobenzene-d5			11.433	117	2022688	10.000	ppbv	-0.02
System Monitoring Compounds								
68) 1-Bromo-4-Fluorobenzene			13.741	95	1578640	10.427	ppbv	-0.02
Spiked Amount		10.000	Range	65 - 135	Recovery	= 104.300%		
Target Compounds								Qvalue
2) Dichlorodifluoromethane			2.738	85	74084	0.461	ppbv	98
3) Chlorodifluoromethane			2.684	51	8240068	72.560	ppbv #	90
4) Chloromethane			2.822	50	46389	0.656	ppbv	95
7) Chloroethane			3.201	64	854	0.040	ppbv #	43
8) Dichlorotetrafluoroethane			2.738	85	74084	0.541	ppbv #	17
9) Propene			2.713	41	757227	12.798	ppbv #	59
11) Trichlorofluoromethane			3.565	101	33535	0.256	ppbv	88
13) Ethanol			3.243	45	4405929	1053.622	ppbv	93
15) Acetone			3.462	43	9932192	85.662	ppbv	92
16) 1,3-Butadiene			2.970	39	18814	0.349	ppbv #	5
17) tert-Butyl alcohol			3.896	59	19867	0.180	ppbv #	70
19) Isopropyl Alcohol			3.581	45	845304	14.730	ppbv #	1
20) Methylene Chloride			3.931	84	219924	5.302	ppbv	93
21) Allyl Chloride			3.954	41	2821	0.038	ppbv #	1
23) Vinyl Acetate			4.594	43	12712	0.275	ppbv #	1
25) Ethyl Acetate			5.195	43	252093	1.056	ppbv #	92
26) Hexane			5.195	57	231489	2.174	ppbv #	57
27) Carbon Disulfide			4.118	76	8444	0.076	ppbv #	72
29) Chloroform			5.263	83	25049	0.167	ppbv	95
30) Cyclohexane			6.578	84	12115	0.136	ppbv #	78
34) 2-Butanone			4.774	43	749321	8.159	ppbv	100
36) Benzene			6.349	78	8784	0.047	ppbv #	87
37) 1,2-Dichloroethane			5.790	62	13235	0.147	ppbv #	94
39) 1,2-Dichloropropane			6.632	63	573508	7.839	ppbv #	27
41) Tetrahydrofuran			5.542	42	387438	5.048	ppbv	98
53) Toluene			9.192	91	11324	0.053	ppbv #	38

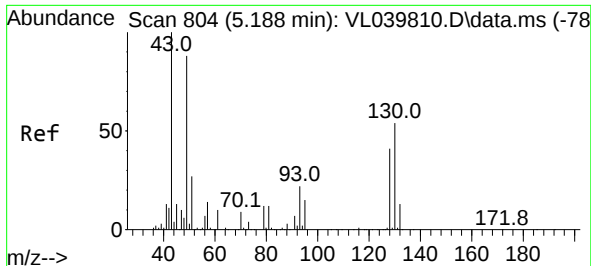
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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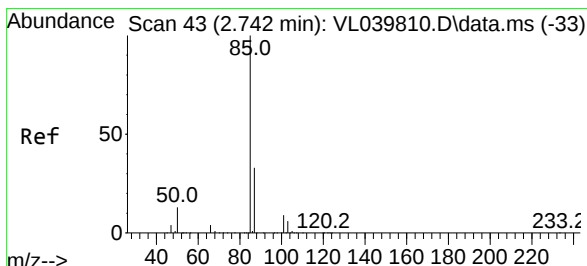
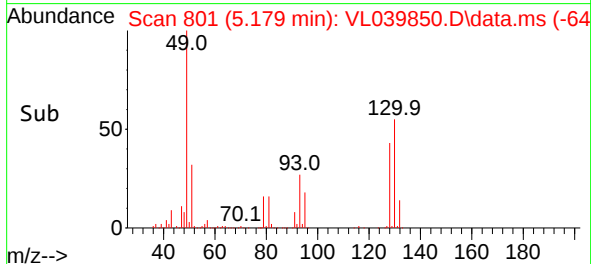
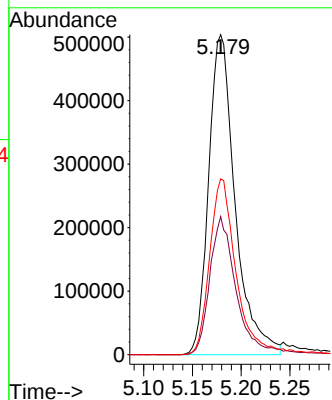
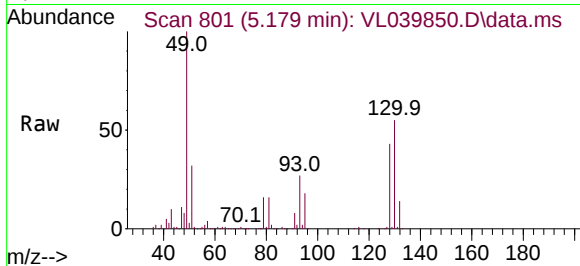




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.009 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

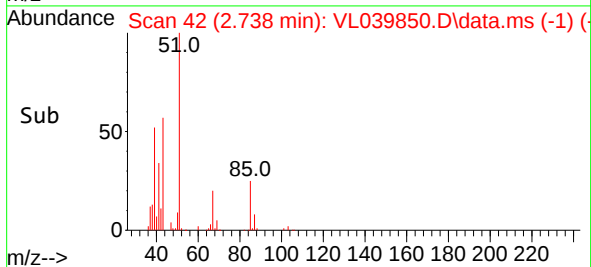
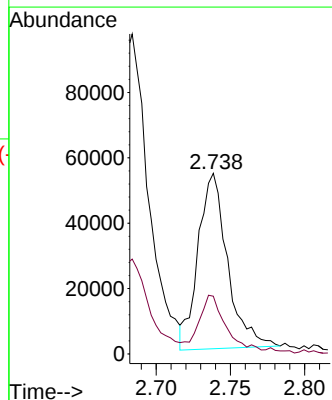
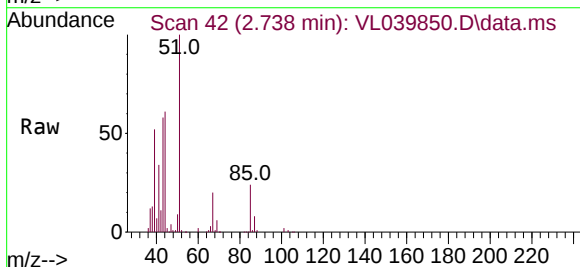
Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDUP

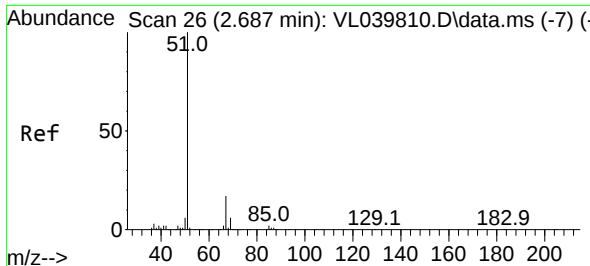
Tgt Ion: 49 Resp: 952562
Ion Ratio Lower Upper
49 100
128 43.9 24.6 73.6
130 56.5 31.1 93.2



#2
Dichlorodifluoromethane
Concen: 0.461 ppbv
RT: 2.738 min Scan# 42
Delta R.T. -0.003 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 85 Resp: 74084
Ion Ratio Lower Upper
85 100
87 31.7 26.4 39.6

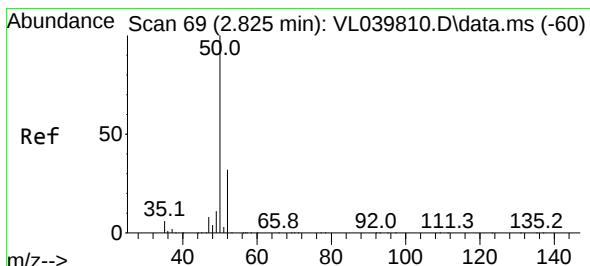
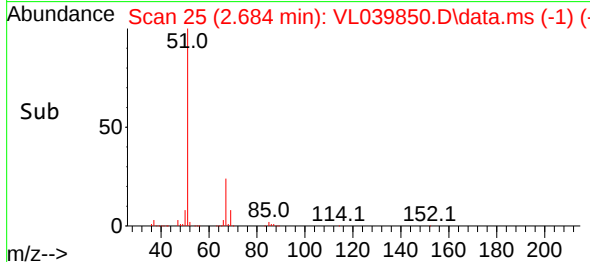
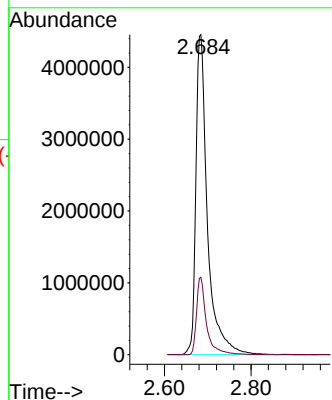
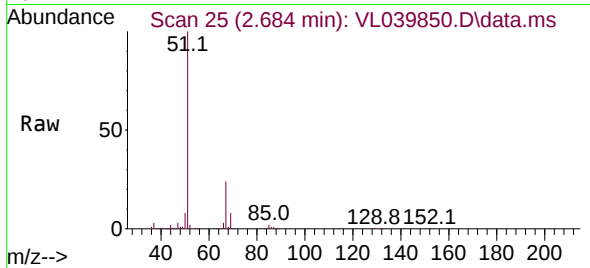




#3
Chlorodifluoromethane
Concen: 72.560 ppbv
RT: 2.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

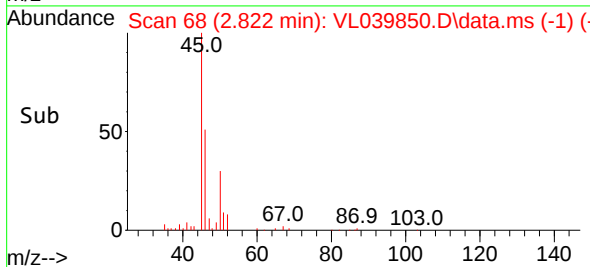
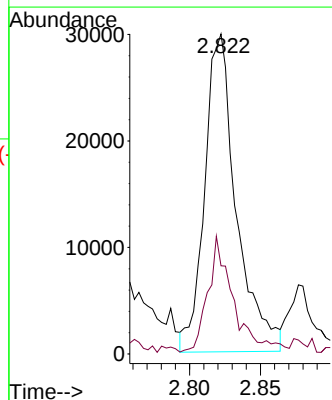
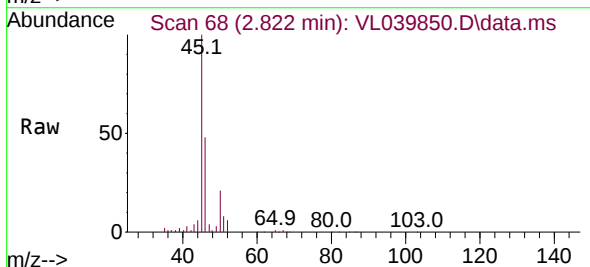
Instrument : MSVOA_L
ClientSampleId : 10053-BASEMENT-BARDUP

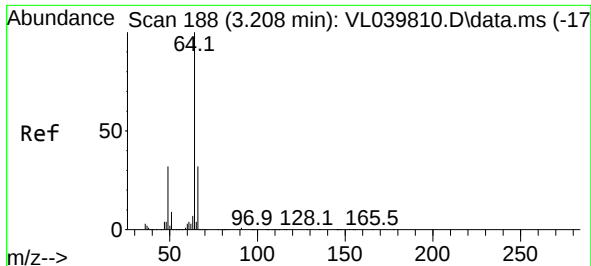
Tgt Ion: 51 Resp: 8240068
Ion Ratio Lower Upper
51 100
67 20.8 13.2 19.8#



#4
Chloromethane
Concen: 0.656 ppbv
RT: 2.822 min Scan# 68
Delta R.T. -0.003 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 50 Resp: 46389
Ion Ratio Lower Upper
50 100
52 28.9 25.5 38.3

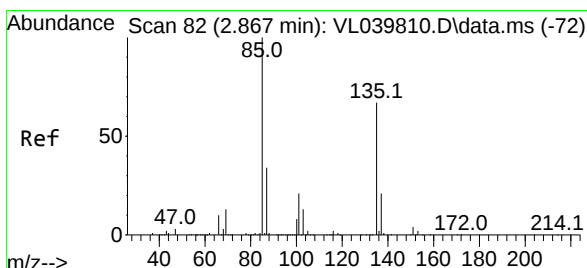
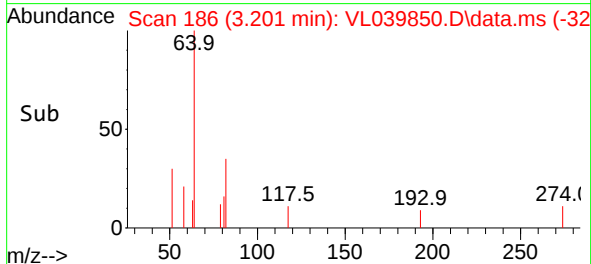
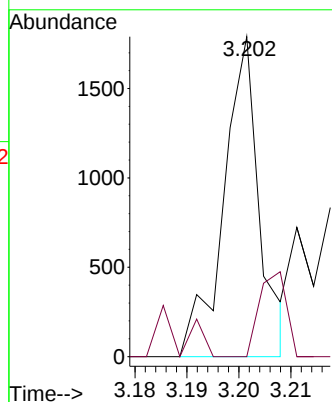
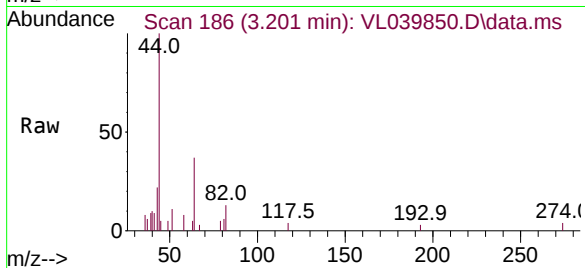




#7
Chloroethane
Concen: 0.040 ppbv
RT: 3.201 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

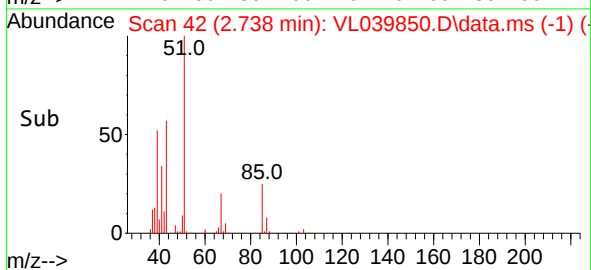
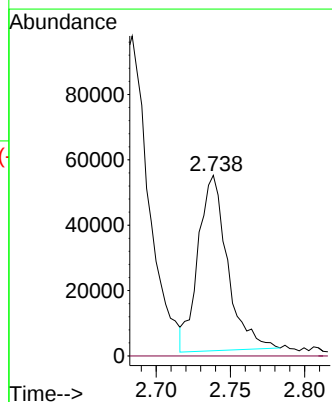
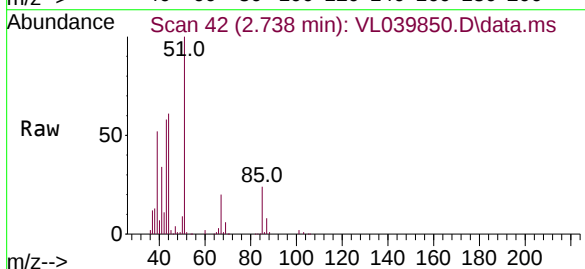
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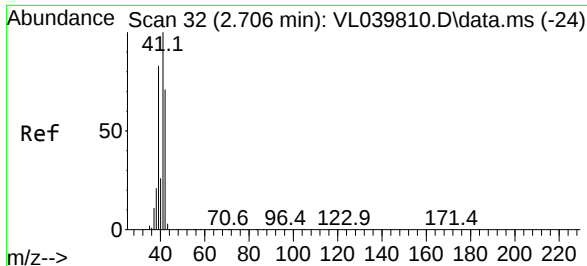
Tgt Ion: 64 Resp: 854
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



#8
Dichlorotetrafluoroethane
Concen: 0.541 ppbv
RT: 2.738 min Scan# 42
Delta R.T. -0.128 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 85 Resp: 74084
Ion Ratio Lower Upper
85 100
135 2.3 56.7 85.1#

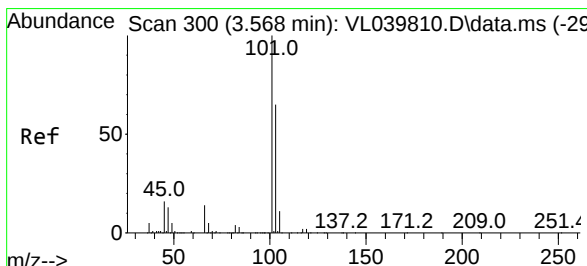
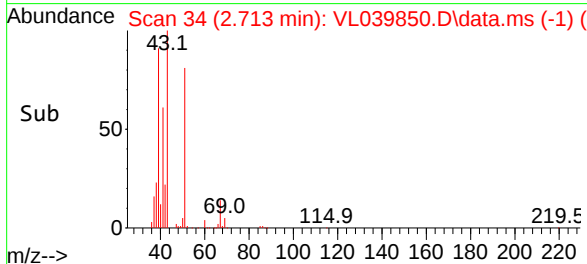
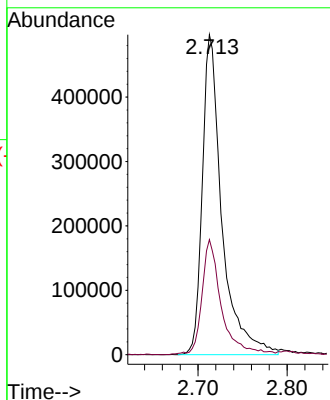
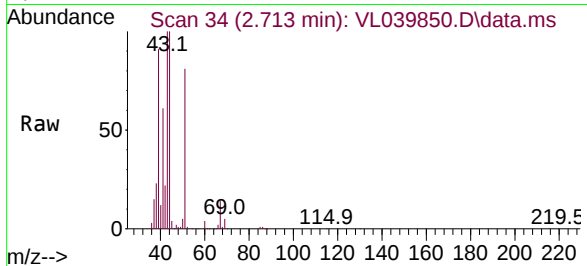




#9
Propene
Concen: 12.798 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.007 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

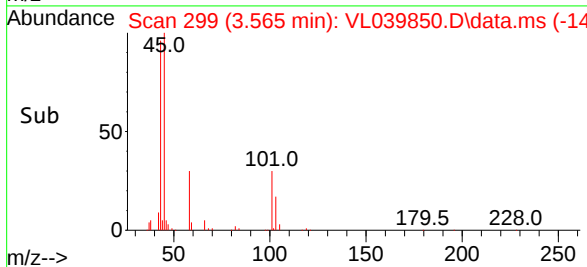
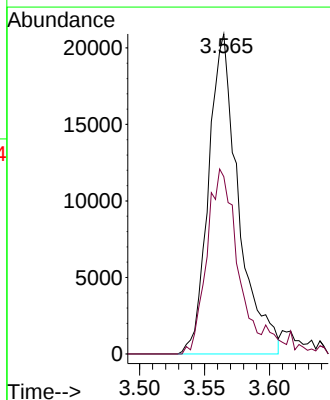
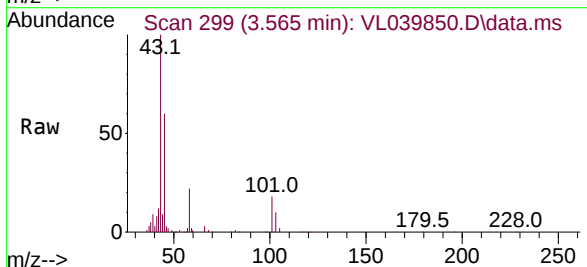
Instrument :
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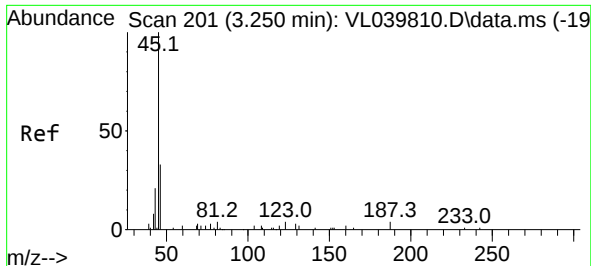
Tgt Ion: 41 Resp: 757227
Ion Ratio Lower Upper
41 100
42 36.5 56.3 84.5#



#11
Trichlorofluoromethane
Concen: 0.256 ppbv
RT: 3.565 min Scan# 299
Delta R.T. -0.003 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 101 Resp: 33535
Ion Ratio Lower Upper
101 100
103 55.4 52.2 78.2

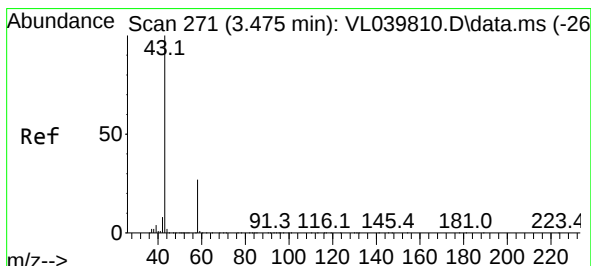
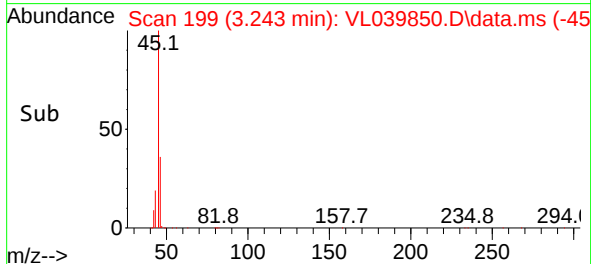
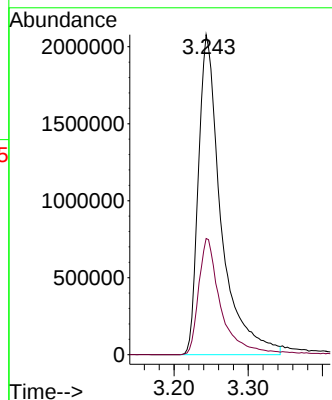
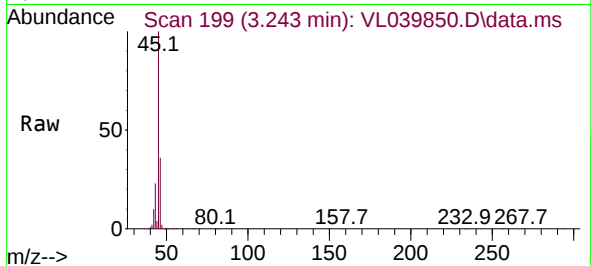




#13
Ethanol
Concen: 1053.622 ppbv
RT: 3.243 min Scan# 199
Delta R.T. -0.006 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

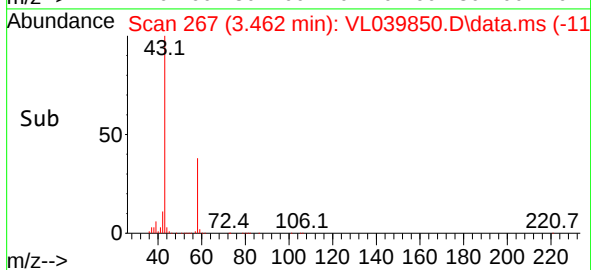
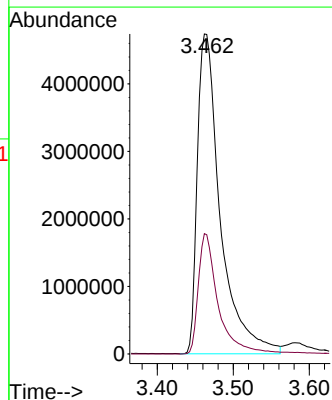
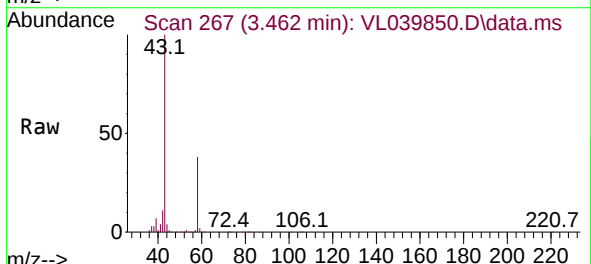
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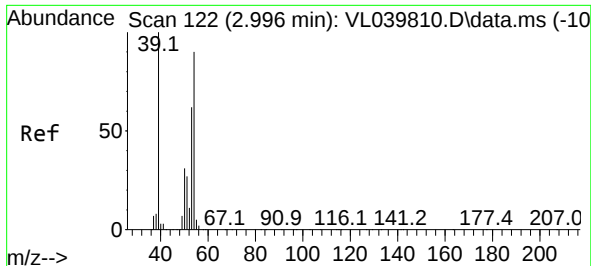
Tgt Ion: 45 Resp: 4405929
Ion Ratio Lower Upper
45 100
46 37.0 16.5 65.9



#15
Acetone
Concen: 85.662 ppbv
RT: 3.462 min Scan# 267
Delta R.T. -0.013 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 43 Resp: 9932192
Ion Ratio Lower Upper
43 100
58 33.4 23.2 34.8

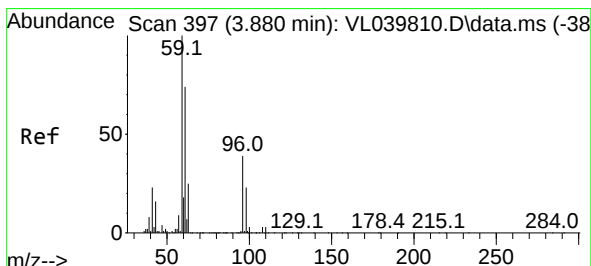
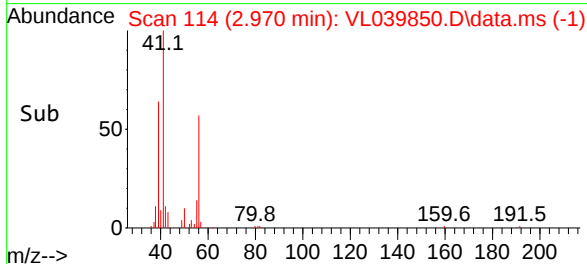
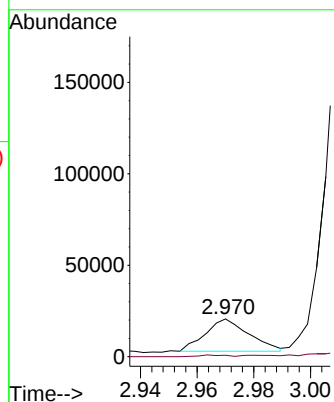
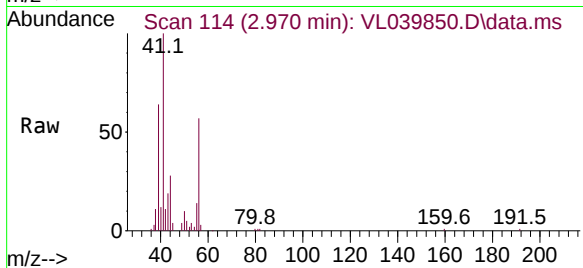




#16
1,3-Butadiene
Concen: 0.349 ppbv
RT: 2.970 min Scan# 114
Delta R.T. -0.026 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

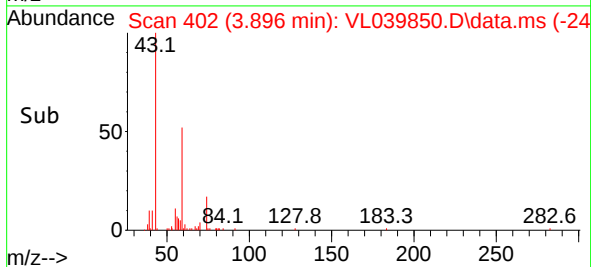
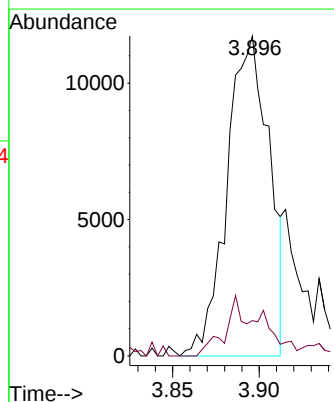
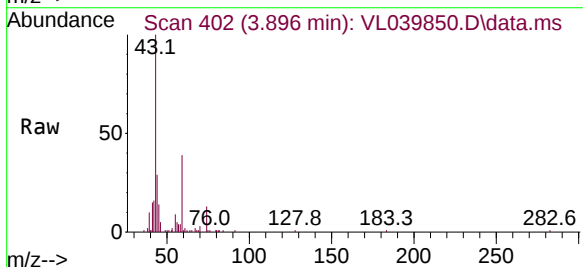
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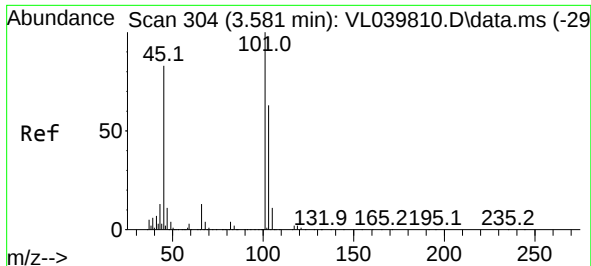
Tgt Ion: 39 Resp: 18814
Ion Ratio Lower Upper
39 100
54 0.0 71.0 106.4#



#17
tert-Butyl alcohol
Concen: 0.180 ppbv
RT: 3.896 min Scan# 402
Delta R.T. 0.016 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 59 Resp: 19867
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#

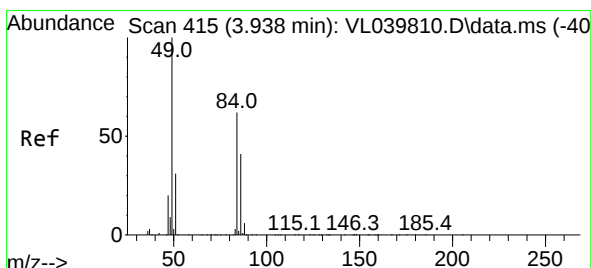
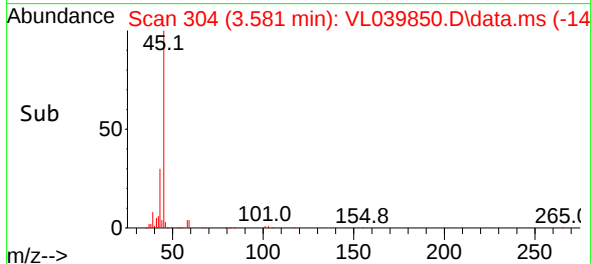
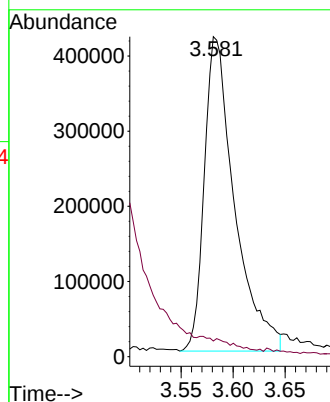
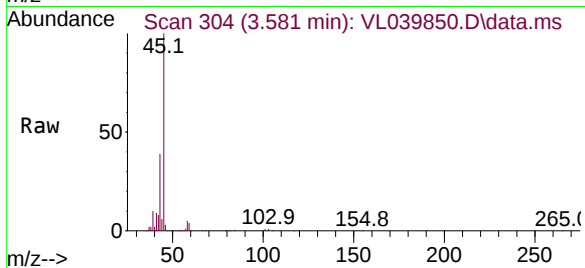




#19
Isopropyl Alcohol
Concen: 14.730 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.000 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

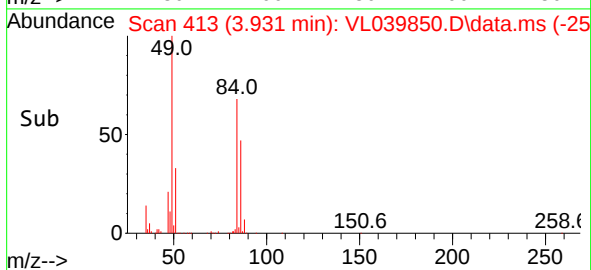
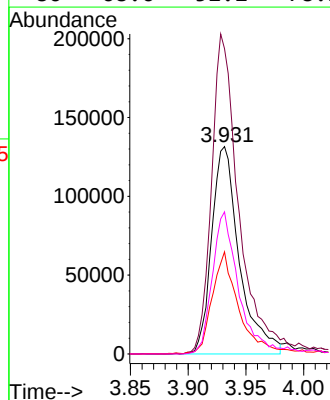
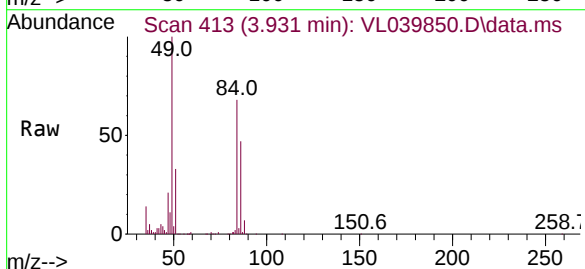
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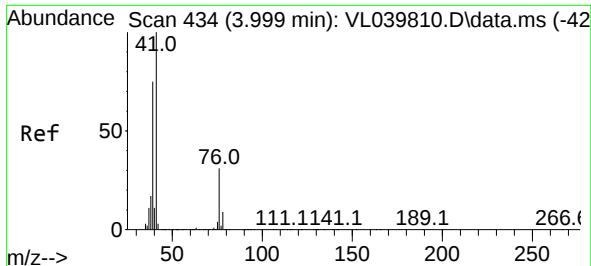
Tgt Ion: 45 Resp: 845304
Ion Ratio Lower Upper
45 100
58 392.4 38.3 57.5#



#20
Methylene Chloride
Concen: 5.302 ppbv
RT: 3.931 min Scan# 413
Delta R.T. -0.006 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 84 Resp: 219924
Ion Ratio Lower Upper
84 100
49 147.3 128.6 192.8
51 48.9 40.2 60.4
86 68.6 52.2 78.2

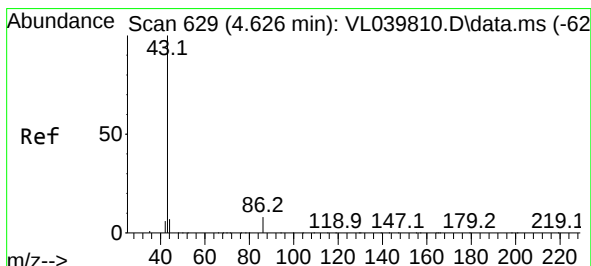
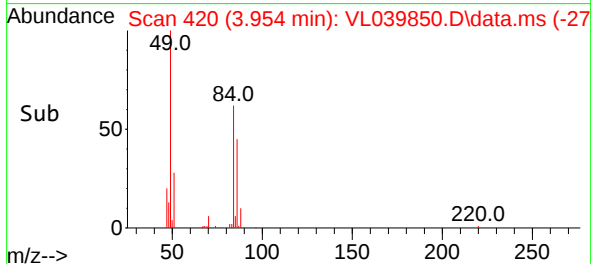
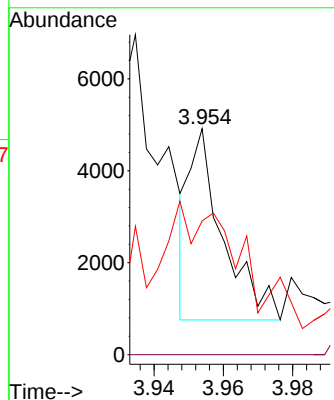
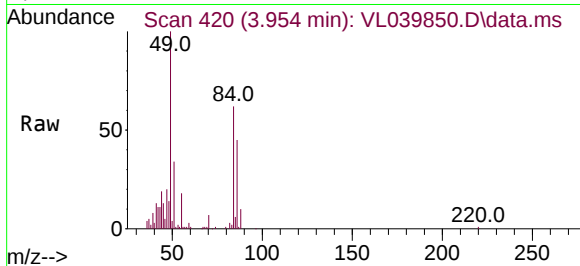




#21
 Allyl Chloride
 Concen: 0.038 ppbv
 RT: 3.954 min Scan# 41
 Delta R.T. -0.045 min
 Lab File: VL039850.D
 Acq: 9 Nov 2022 16:16

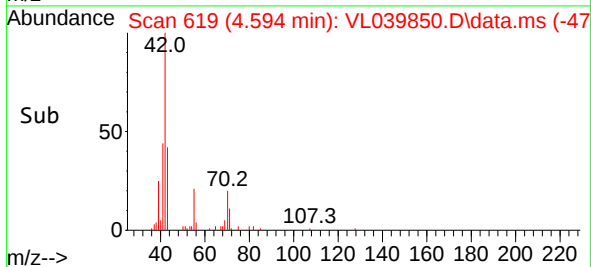
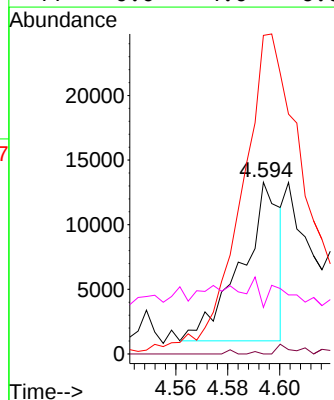
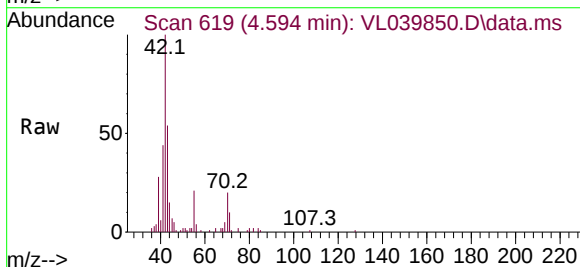
Instrument :
 MSVOA_L
 ClientSampleId :
 10053-BASEMENT-BARDUP

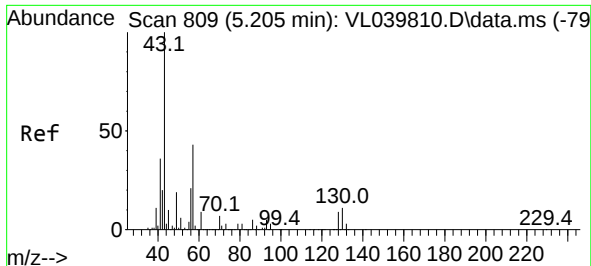
Tgt Ion: 41 Resp: 2821
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.1 36.1#
 39 265.2 64.3 96.5#



#23
 Vinyl Acetate
 Concen: 0.275 ppbv
 RT: 4.594 min Scan# 619
 Delta R.T. -0.032 min
 Lab File: VL039850.D
 Acq: 9 Nov 2022 16:16

Tgt Ion: 43 Resp: 12712
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.0 7.4#
 42 193.6 6.8 10.2#
 44 0.0 4.0 6.0#



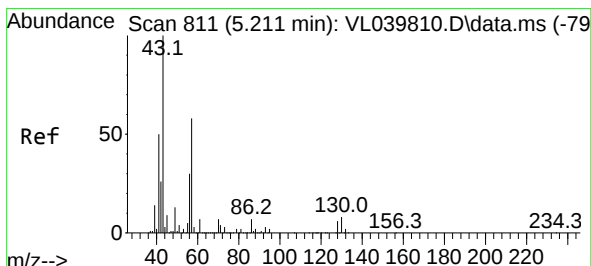
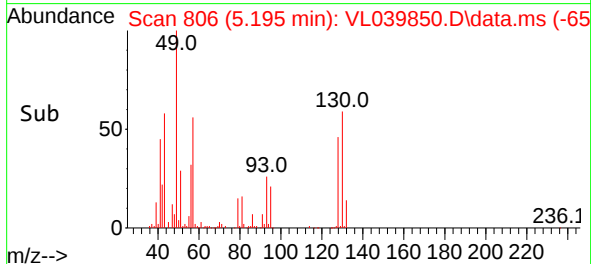
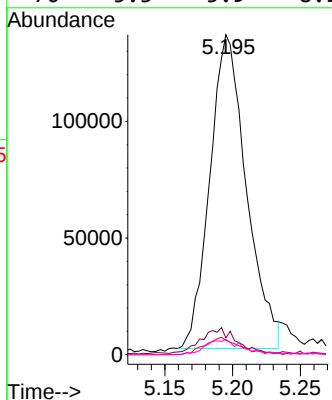
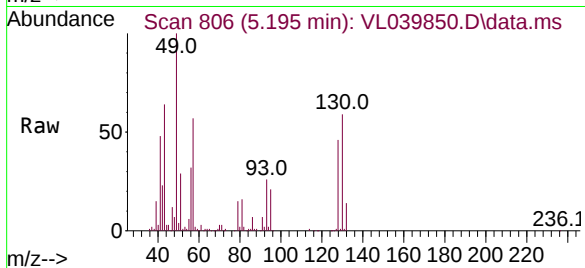


#25
Ethyl Acetate
Concen: 1.056 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.010 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDUP

Tgt Ion: 43 Resp: 252093

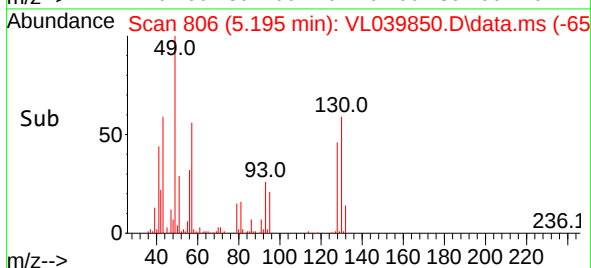
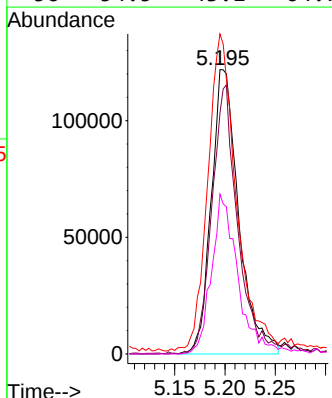
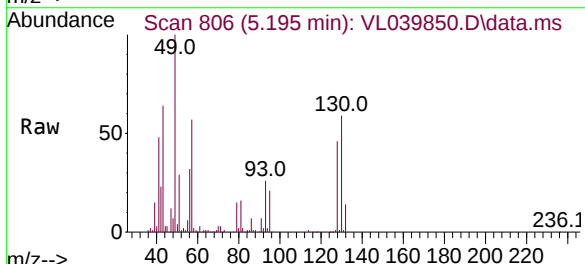
Ion	Ratio	Lower	Upper
43	100		
45	8.9	8.2	12.2
61	5.3	8.1	12.1#
70	5.3	5.9	8.9#

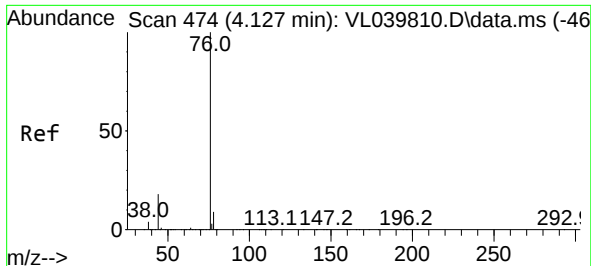


#26
Hexane
Concen: 2.174 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.016 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 57 Resp: 231489

Ion	Ratio	Lower	Upper
57	100		
41	91.9	73.7	110.5
43	120.5	189.8	284.8#
56	54.5	43.1	64.7

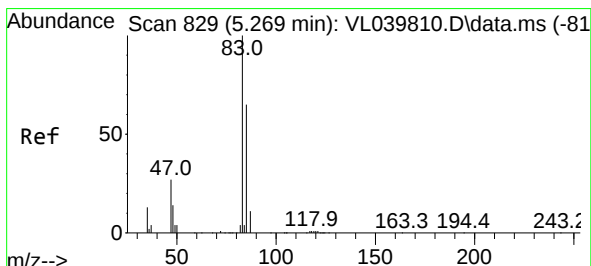
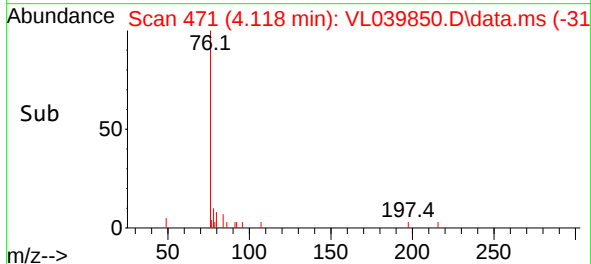
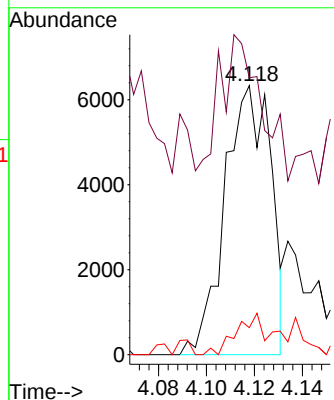
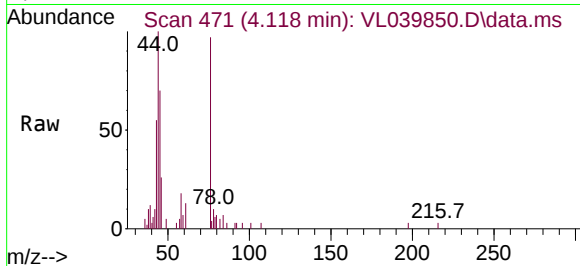




#27
Carbon Disulfide
Concen: 0.076 ppbv
RT: 4.118 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

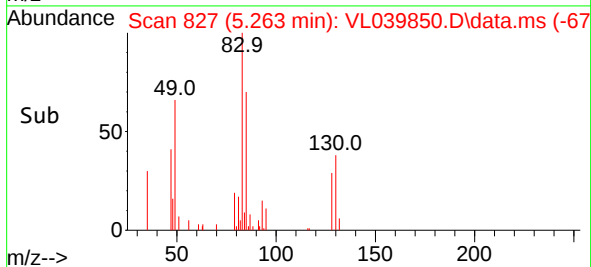
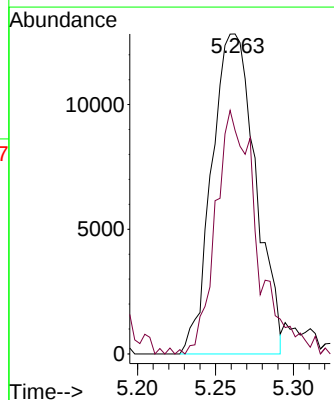
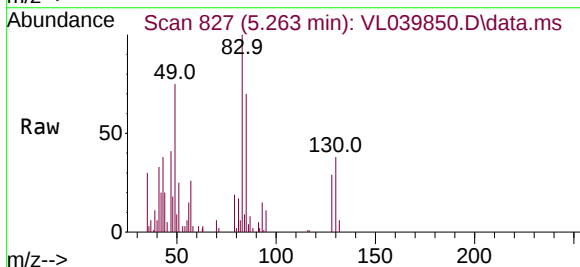
Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDUP

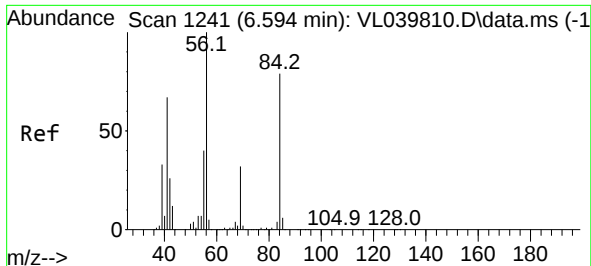
Tgt Ion: 76 Resp: 8444
Ion Ratio Lower Upper
76 100
44 31.2 14.6 22.0#
78 19.3 7.6 11.4#



#29
Chloroform
Concen: 0.167 ppbv
RT: 5.263 min Scan# 827
Delta R.T. -0.006 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 83 Resp: 25049
Ion Ratio Lower Upper
83 100
85 68.5 51.6 77.4

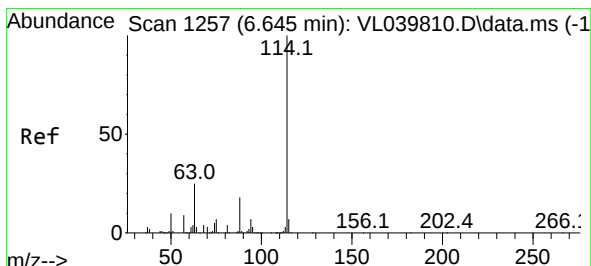
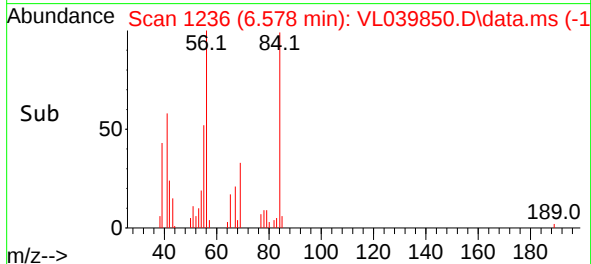
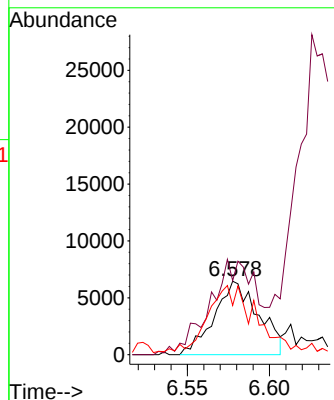
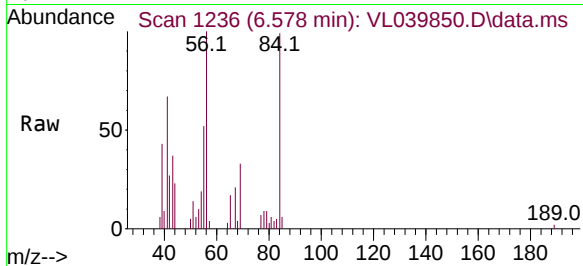




#30
Cyclohexane
Concen: 0.136 ppbv
RT: 6.578 min Scan# 1215
Delta R.T. -0.016 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

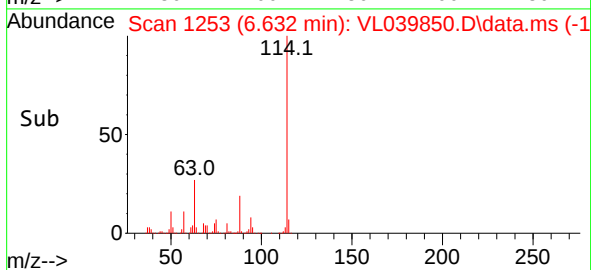
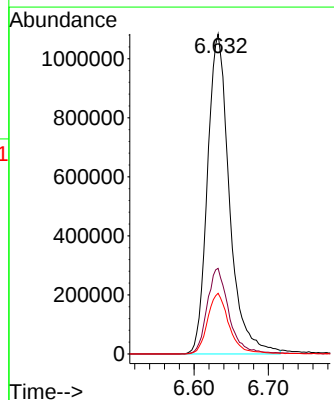
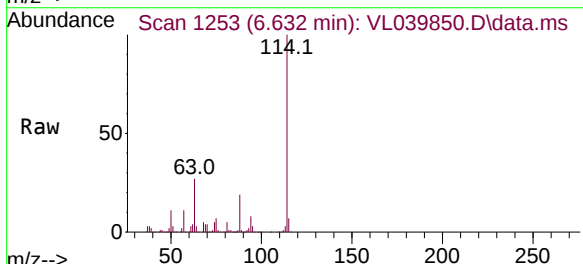
Instrument :
MSVOA_L
ClientSampleId :
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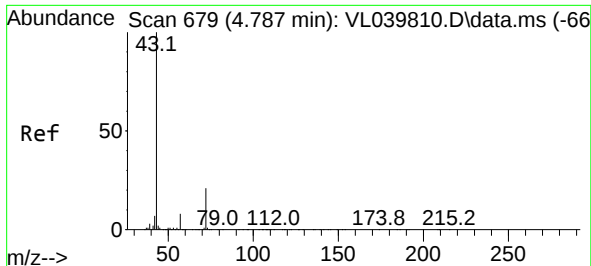
Tgt Ion: 84 Resp: 12115
Ion Ratio Lower Upper
84 100
56 127.0 114.8 172.2
41 119.6 68.6 103.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 114 Resp: 2226111
Ion Ratio Lower Upper
114 100
63 26.9 19.8 29.6
88 18.8 14.4 21.6

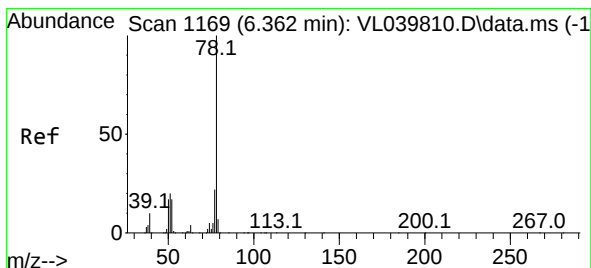
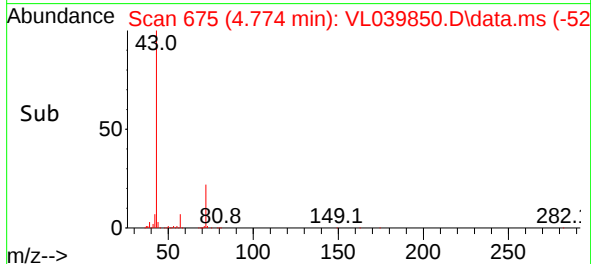
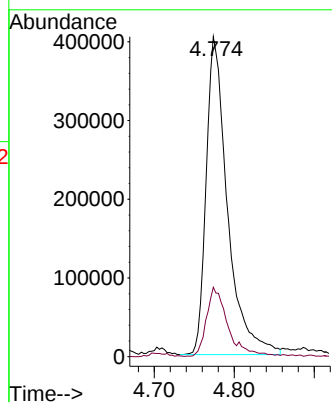
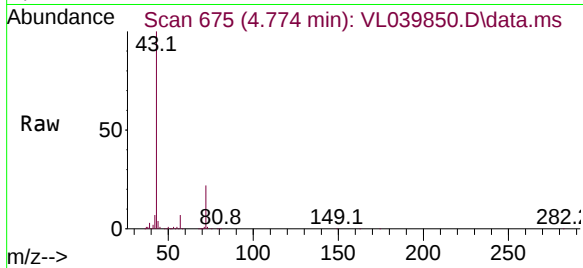




#34
2-Butanone
Concen: 8.159 ppbv
RT: 4.774 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

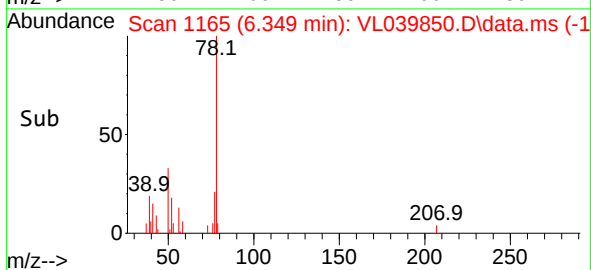
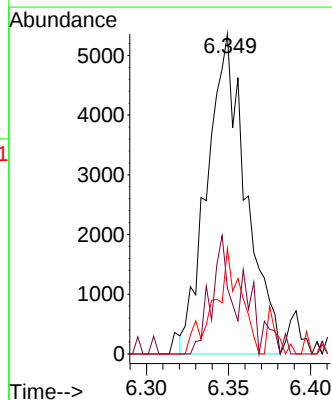
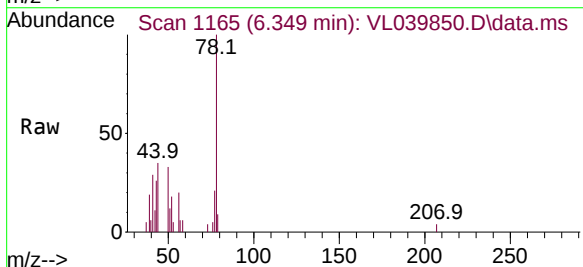
Instrument :
MSVOA_L
ClientSampleId :
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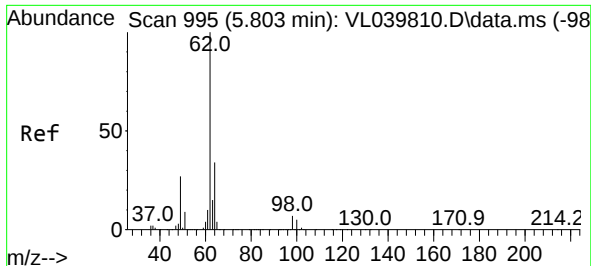
Tgt Ion: 43 Resp: 749321
Ion Ratio Lower Upper
43 100
72 22.0 17.5 26.3



#36
Benzene
Concen: 0.047 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. -0.013 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 78 Resp: 8784
Ion Ratio Lower Upper
78 100
77 20.6 17.4 26.2
50 28.3 13.9 20.9#

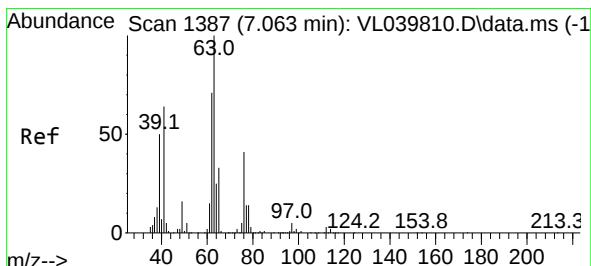
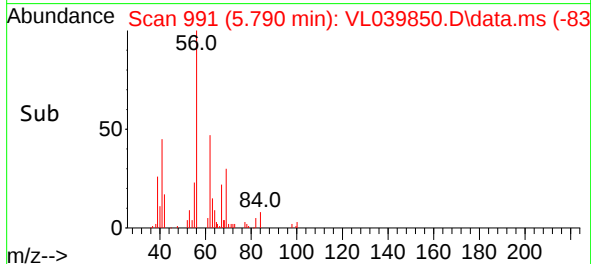
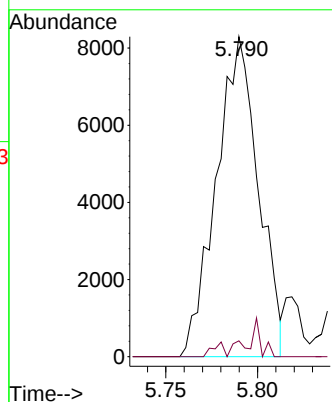
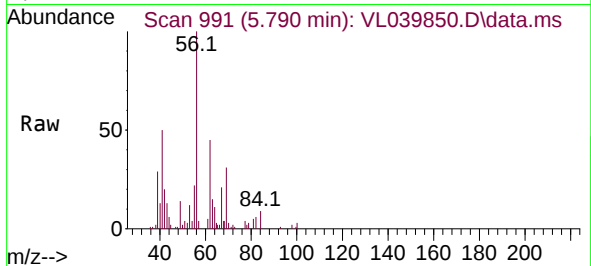




#37
1,2-Dichloroethane
Concen: 0.147 ppbv
RT: 5.790 min Scan# 91
Delta R.T. -0.013 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

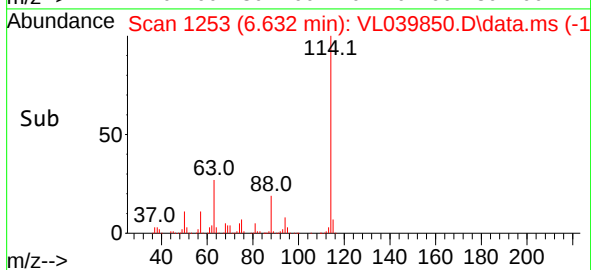
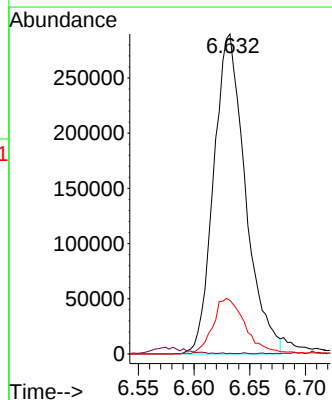
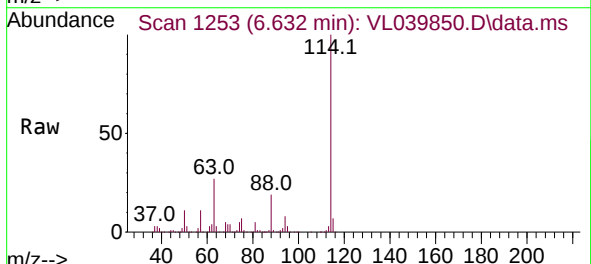
Instrument :
MSVOA_L
ClientSampleId :
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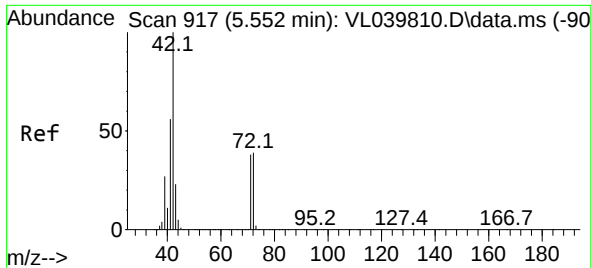
Tgt Ion: 62 Resp: 13235
Ion Ratio Lower Upper
62 100
98 4.9 5.4 8.2#



#39
1,2-Dichloropropane
Concen: 7.839 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.431 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 63 Resp: 573508
Ion Ratio Lower Upper
63 100
41 0.1 51.0 76.4#
62 16.7 56.6 85.0#

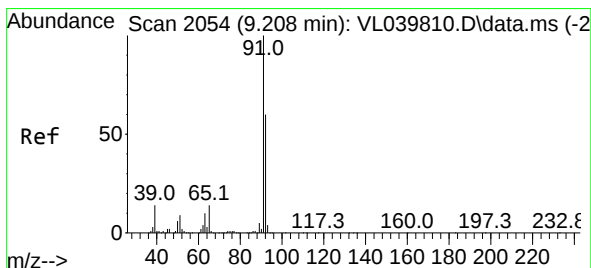
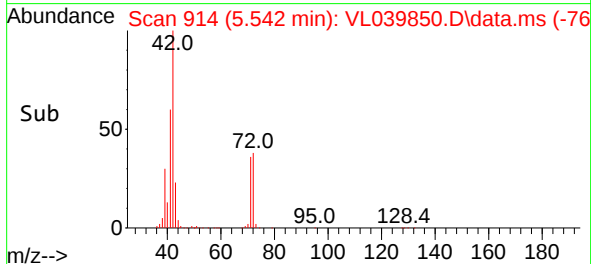
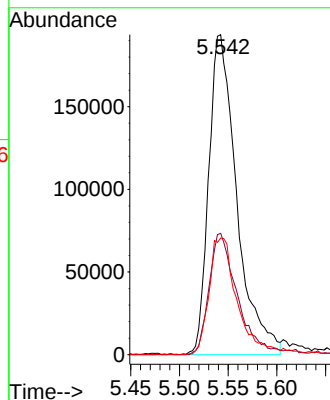
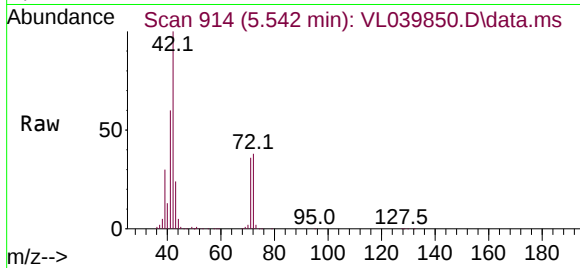




#41
Tetrahydrofuran
Concen: 5.048 ppbv
RT: 5.542 min Scan# 917
Delta R.T. -0.010 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

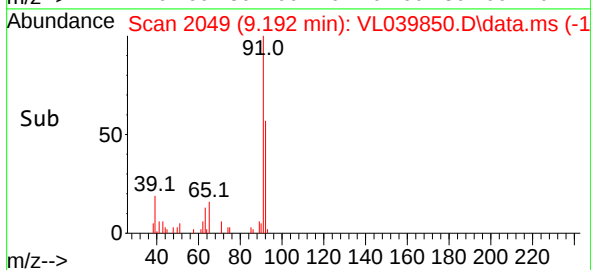
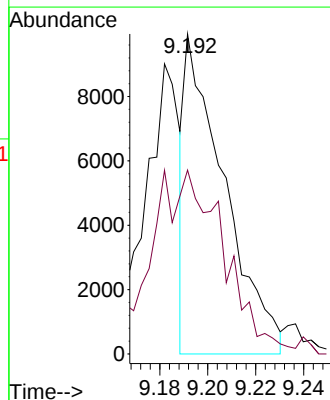
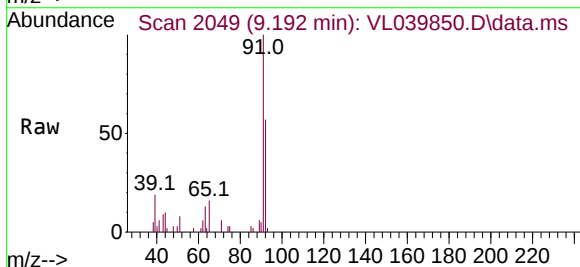
Instrument : MSVOA_L
ClientSampleId : 10053-BASEMENT-BARDUP

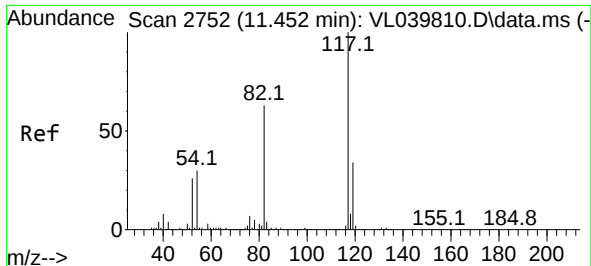
Tgt Ion: 42 Resp: 387438
Ion Ratio Lower Upper
42 100
72 39.9 31.4 47.2
71 37.7 31.5 47.3



#53
Toluene
Concen: 0.053 ppbv
RT: 9.192 min Scan# 2049
Delta R.T. -0.016 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 91 Resp: 11324
Ion Ratio Lower Upper
91 100
92 109.4 49.6 74.4#

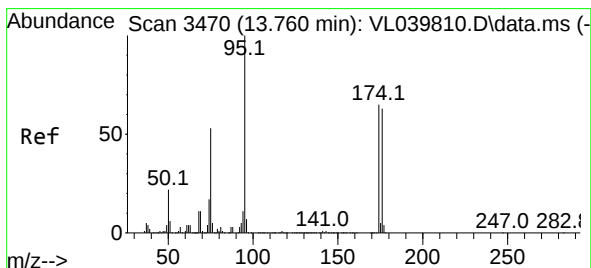
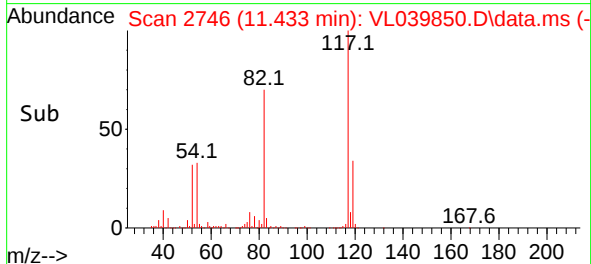
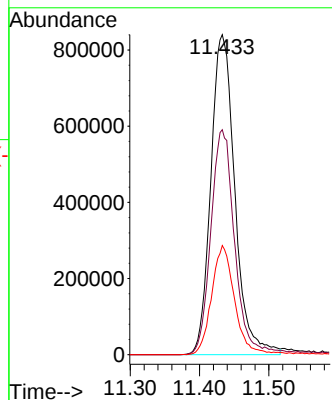
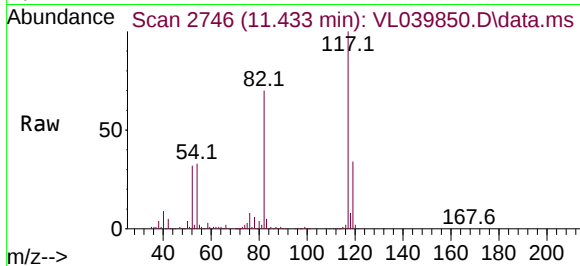




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.433 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Instrument :
MSVOA_L
ClientSampleId :
10053-BASEMENT-BARDUP

Tgt Ion:117 Resp: 2022688
Ion Ratio Lower Upper
117 100
82 71.7 51.0 76.6
119 33.2 24.7 37.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.427 ppbv
RT: 13.741 min Scan# 3464
Delta R.T. -0.019 min
Lab File: VL039850.D
Acq: 9 Nov 2022 16:16

Tgt Ion: 95 Resp: 1578640
Ion Ratio Lower Upper
95 100
174 63.2 53.4 80.0
175 4.5 4.1 6.1

