

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041312.D
 Acq On : 4 Jun 2024 19:28
 Operator : SY/MD
 Sample : P2673-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOC-1-EPOXY-AREADL

Quant Time: Jun 05 05:29:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

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

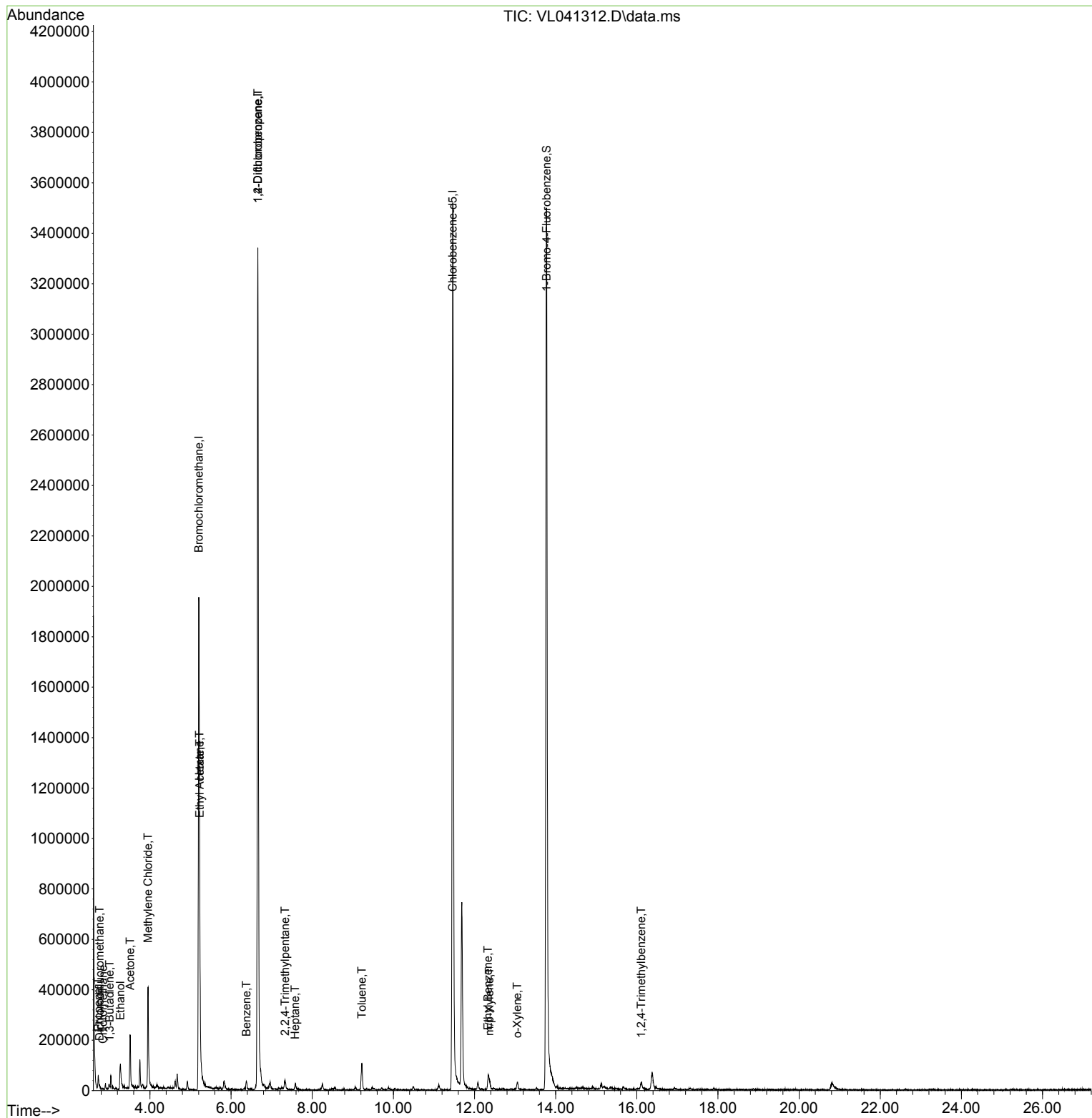
Internal Standards						
1) Bromochloromethane	5.205	49	952084	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2507111	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2307402	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1796177	10.082	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.761	85	7659	0.050	ppbv #	70
4) Chloromethane	2.841	50	2707	0.048	ppbv	92
9) Propene	2.726	41	17784	0.332	ppbv #	80
10) Heptane	7.581	43	8010	0.063	ppbv	88
13) Ethanol	3.269	45	116023	8.322	ppbv	87
15) Acetone	3.510	43	101667	0.935	ppbv #	77
16) 1,3-Butadiene	3.005	39	1863	0.034	ppbv #	17
20) Methylene Chloride	3.954	84	118822	3.007	ppbv	98
25) Ethyl Acetate	5.227	43	123291	0.573	ppbv #	78
26) Hexane	5.224	57	174794	1.807	ppbv #	41
36) Benzene	6.378	78	26516	0.136	ppbv #	92
39) 1,2-Dichloropropane	6.658	63	635617	8.214	ppbv #	24
44) 2,2,4-Trimethylpentane	7.330	57	18099	0.054	ppbv #	47
53) Toluene	9.224	91	43192	0.193	ppbv #	39
58) Ethyl Benzene	12.333	91	17487	0.059	ppbv	91
59) m/p-Xylene	12.365	91	8673	0.034	ppbv #	31
60) o-Xylene	13.053	91	11283	0.047	ppbv #	31
74) 1,2,4-Trimethylbenzene	16.108	105	10801	0.039	ppbv #	81

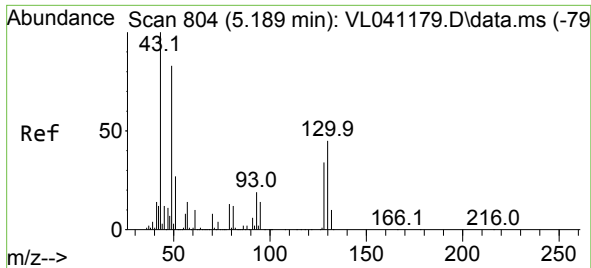
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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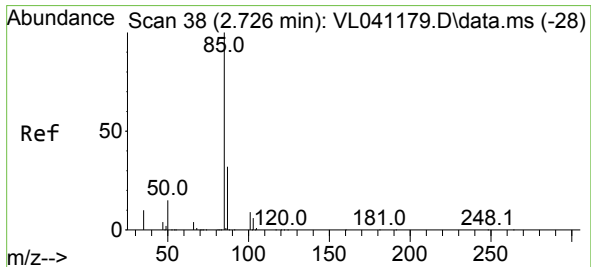
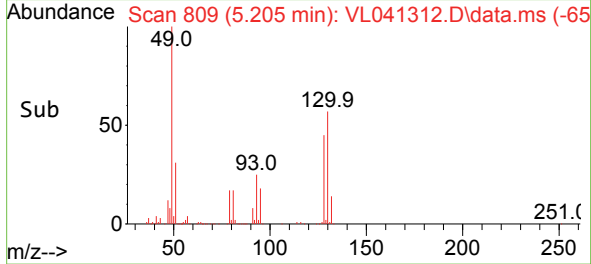
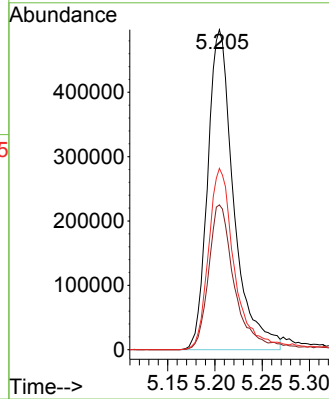
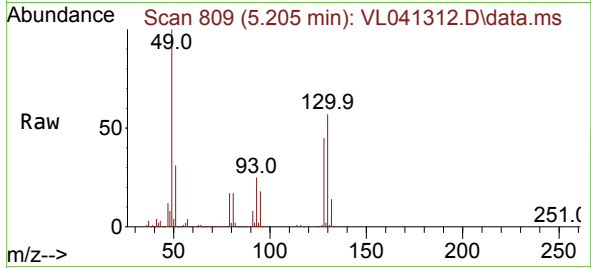




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.205 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL041312.D
 Acq: 4 Jun 2024 19:28

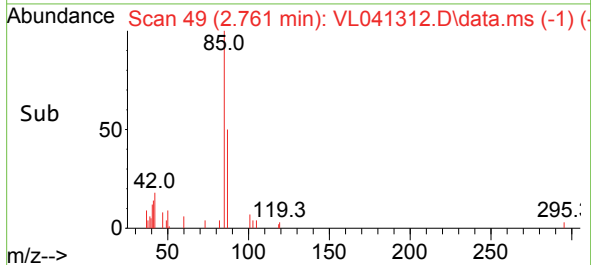
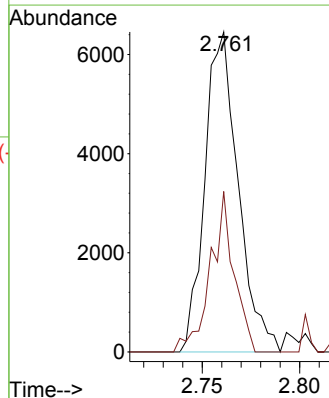
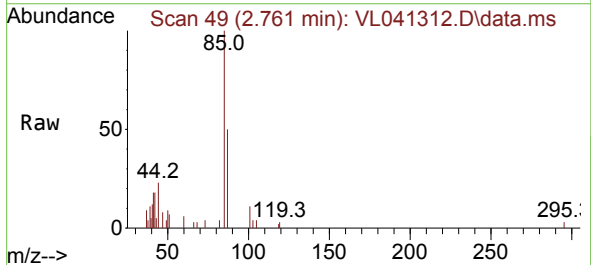
Instrument :
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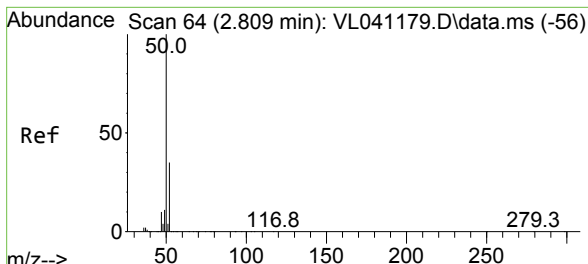
Tgt Ion: 49 Resp: 952084
 Ion Ratio Lower Upper
 49 100
 128 47.4 22.8 68.3
 130 59.0 28.4 85.3



#2
 Dichlorodifluoromethane
 Concen: 0.050 ppbv
 RT: 2.761 min Scan# 49
 Delta R.T. 0.003 min
 Lab File: VL041312.D
 Acq: 4 Jun 2024 19:28

Tgt Ion: 85 Resp: 7659
 Ion Ratio Lower Upper
 85 100
 87 50.2 26.5 39.7

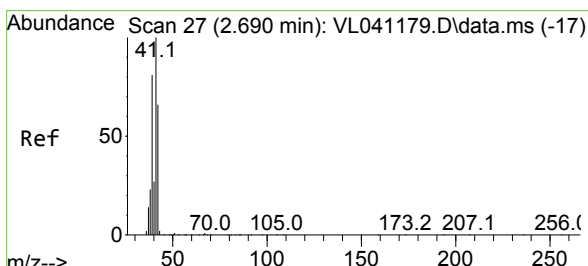
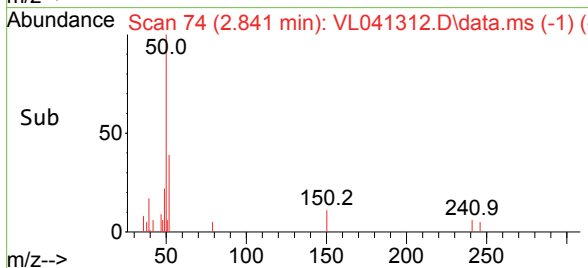
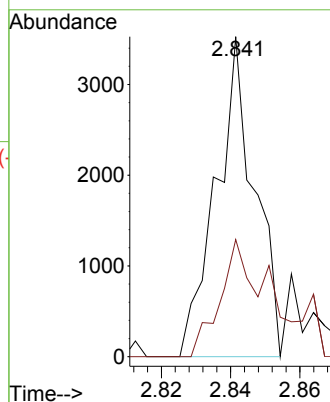
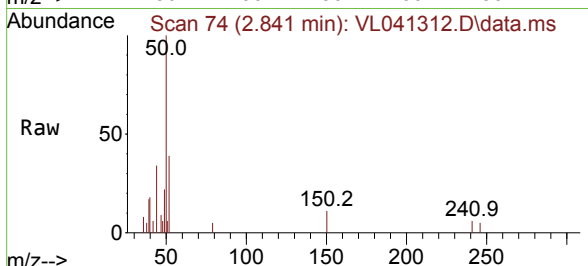




#4
Chloromethane
Concen: 0.048 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.003 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

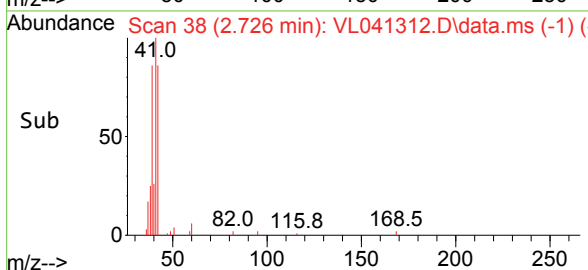
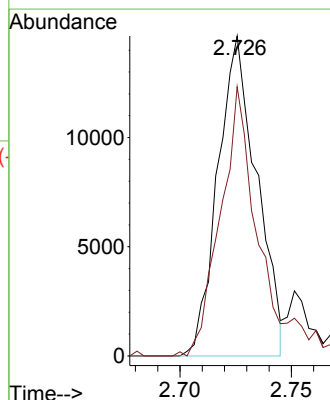
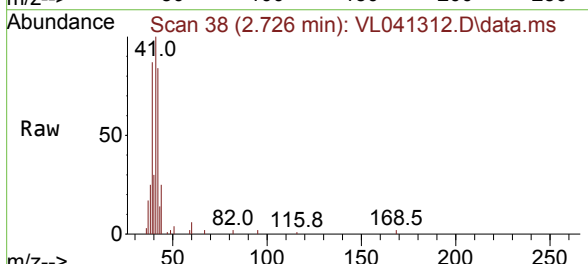
Instrument :
MSVOA_L
ClientSampleId :
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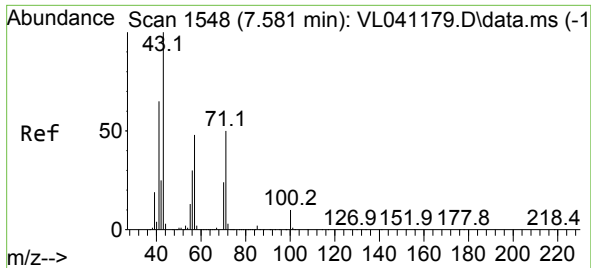
Tgt Ion: 50 Resp: 2707
Ion Ratio Lower Upper
50 100
52 36.6 25.6 38.4



#9
Propene
Concen: 0.332 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.003 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

Tgt Ion: 41 Resp: 17784
Ion Ratio Lower Upper
41 100
42 85.6 55.2 82.8

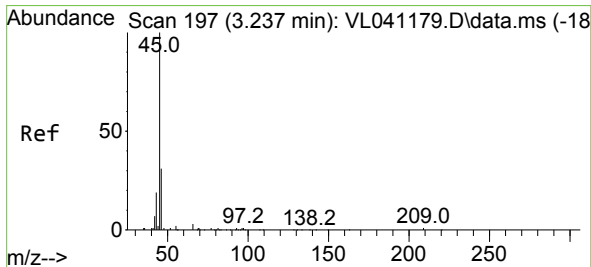
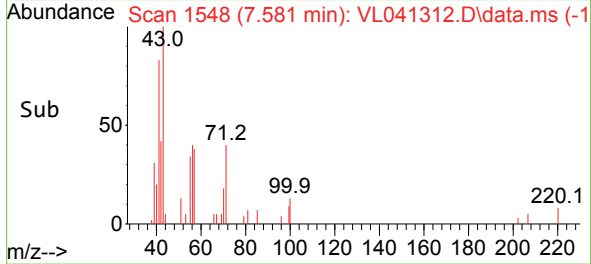
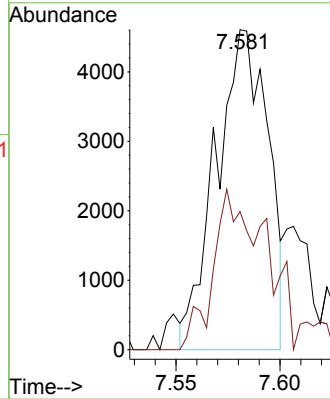
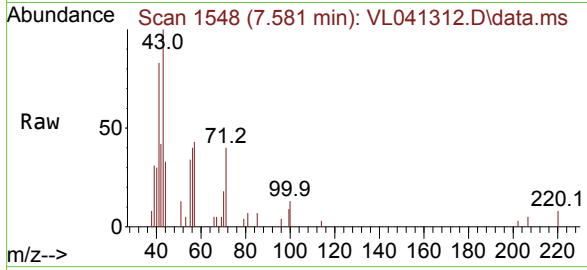




#10
Heptane
Concen: 0.063 ppbv
RT: 7.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

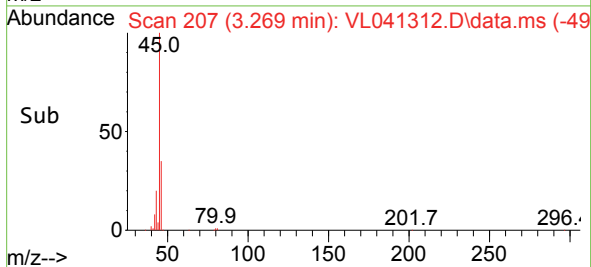
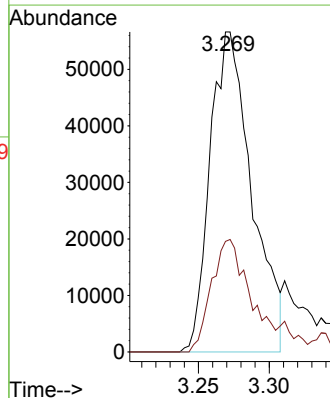
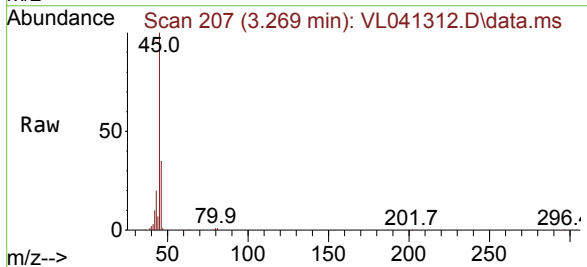
Instrument :
MSVOA_L
ClientSampleId :
LOC-1-EPOXY-AREADL

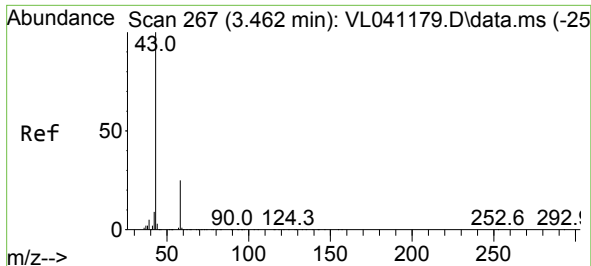
Tgt Ion: 43 Resp: 8010
Ion Ratio Lower Upper
43 100
57 56.6 39.0 58.4



#13
Ethanol
Concen: 8.322 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.006 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

Tgt Ion: 45 Resp: 116023
Ion Ratio Lower Upper
45 100
46 43.0 14.2 56.6

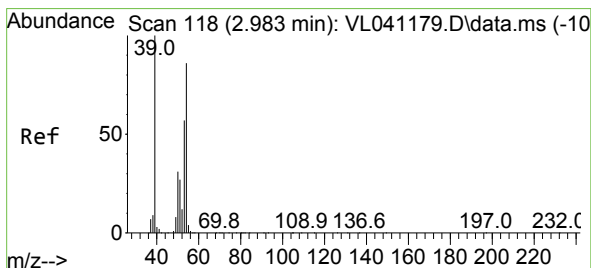
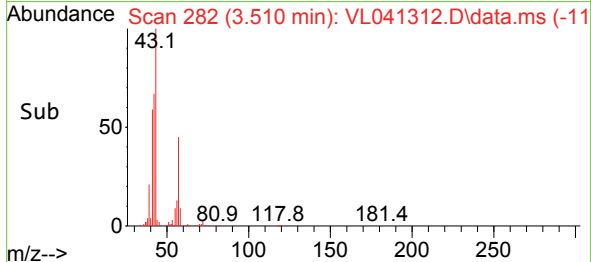
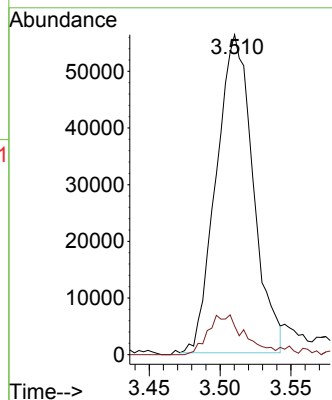
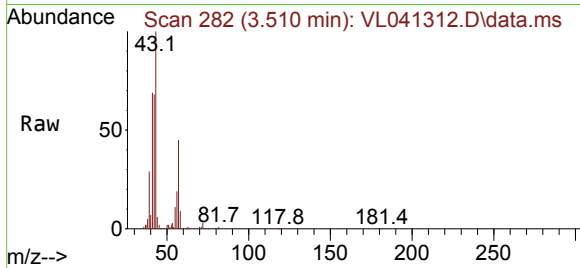




#15
Acetone
Concen: 0.935 ppbv
RT: 3.510 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

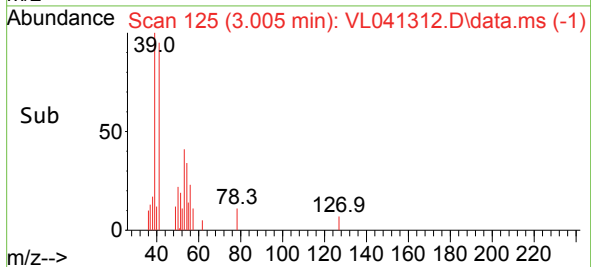
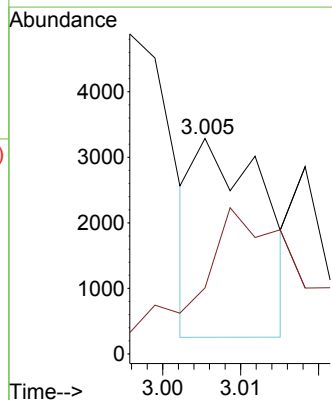
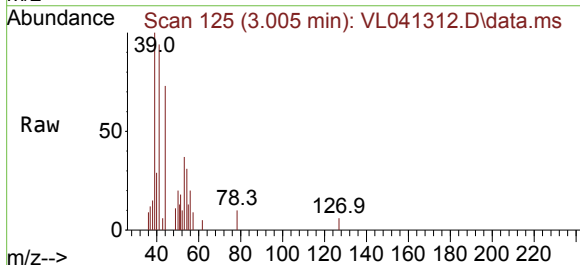
Instrument :
MSVOA_L
ClientSampleId :
LOC-1-EPOXY-AREADL

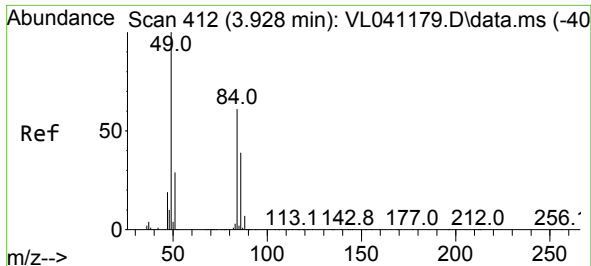
Tgt Ion: 43 Resp: 101667
Ion Ratio Lower Upper
43 100
58 14.3 20.6 31.0#



#16
1,3-Butadiene
Concen: 0.034 ppbv
RT: 3.005 min Scan# 125
Delta R.T. -0.003 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

Tgt Ion: 39 Resp: 1863
Ion Ratio Lower Upper
39 100
54 146.4 60.5 90.7#

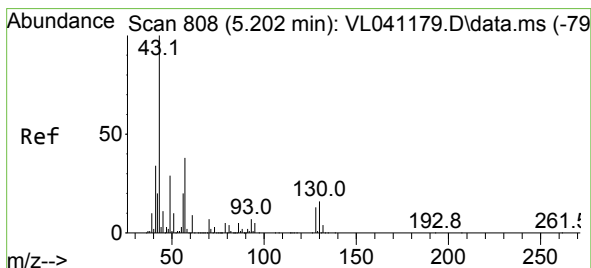
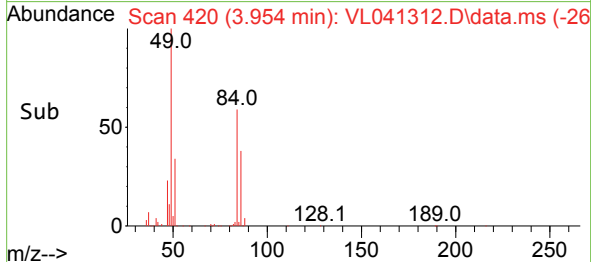
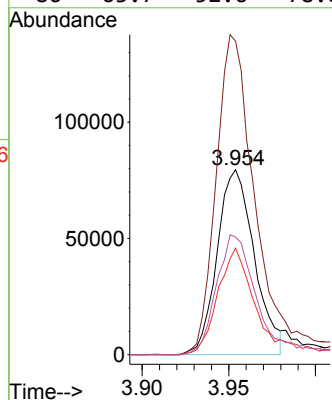
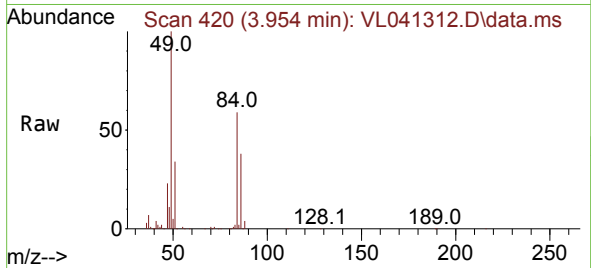




#20
Methylene Chloride
Concen: 3.007 ppbv
RT: 3.954 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

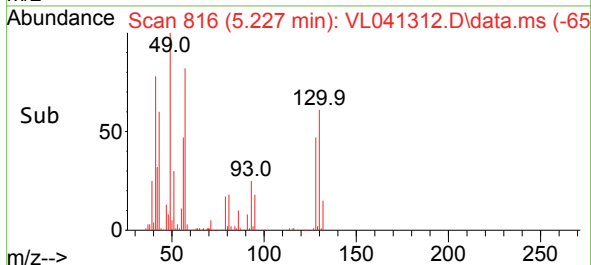
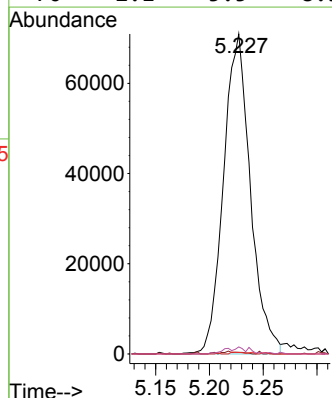
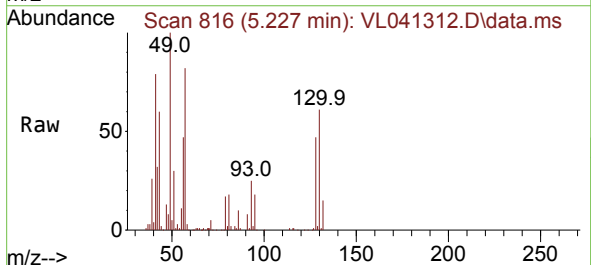
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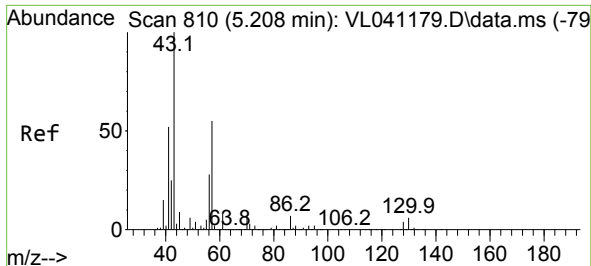
Tgt Ion: 84 Resp: 118822
Ion Ratio Lower Upper
84 100
49 169.5 136.2 204.2
51 57.3 41.9 62.9
86 63.7 52.6 78.8



#25
Ethyl Acetate
Concen: 0.573 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.013 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

Tgt Ion: 43 Resp: 123291
Ion Ratio Lower Upper
43 100
45 0.8 8.1 12.1#
61 0.4 7.4 11.0#
70 2.1 5.5 8.3#

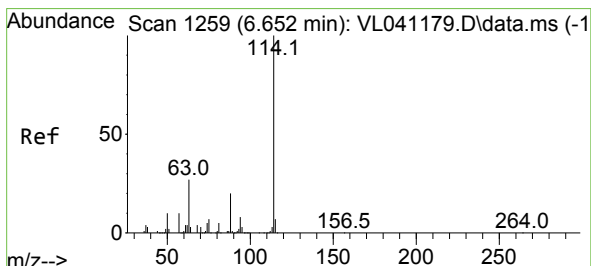
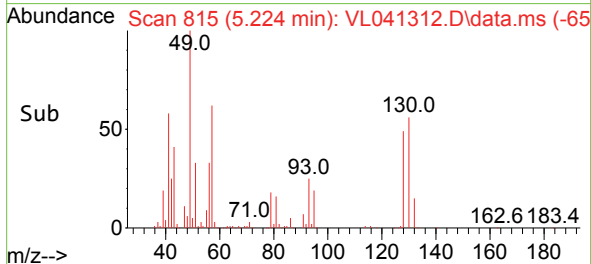
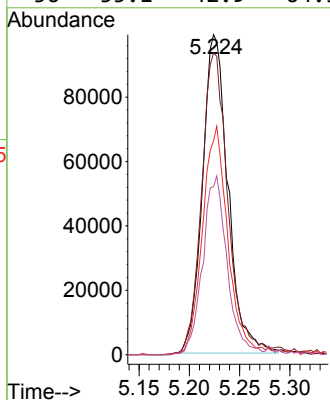
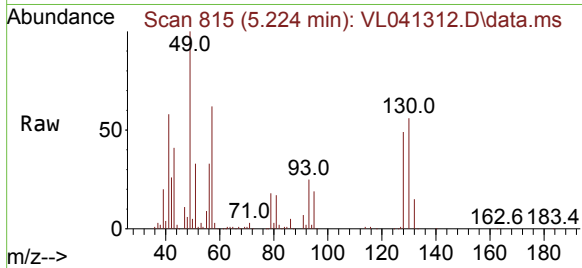




#26
Hexane
Concen: 1.807 ppbv
RT: 5.224 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

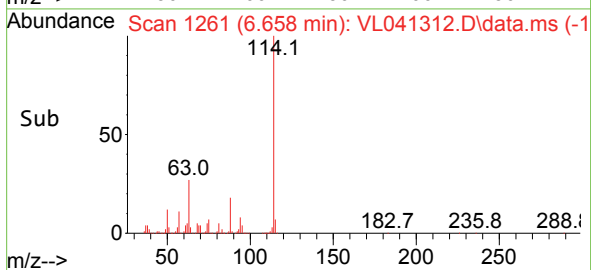
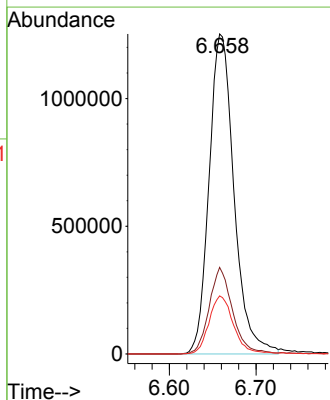
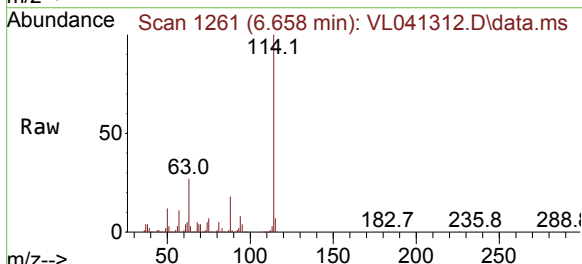
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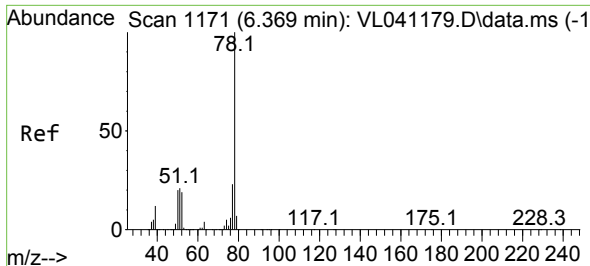
Tgt Ion: 57 Resp: 174794
Ion Ratio Lower Upper
57 100
41 99.8 77.1 115.7
43 73.4 186.1 279.1#
56 55.1 42.9 64.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

Tgt Ion:114 Resp: 2507111
Ion Ratio Lower Upper
114 100
63 25.8 20.6 30.8
88 18.0 14.5 21.7

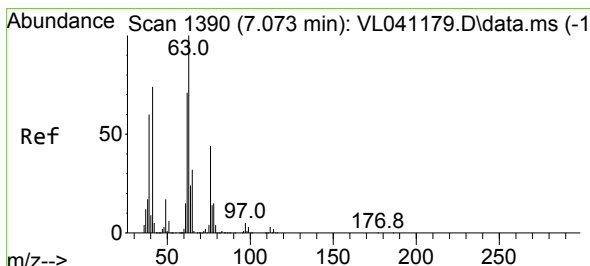
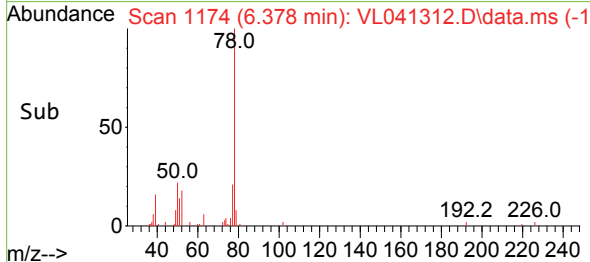
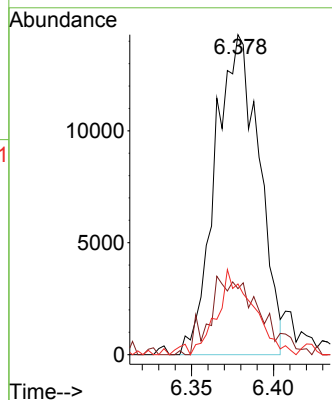
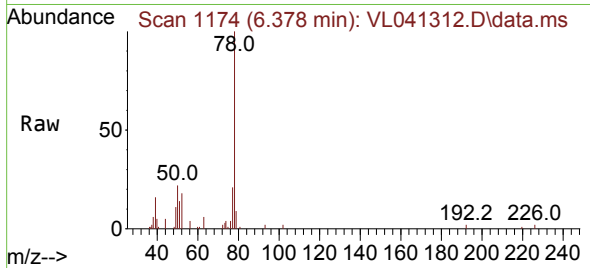




#36
Benzene
Concen: 0.136 ppbv
RT: 6.378 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

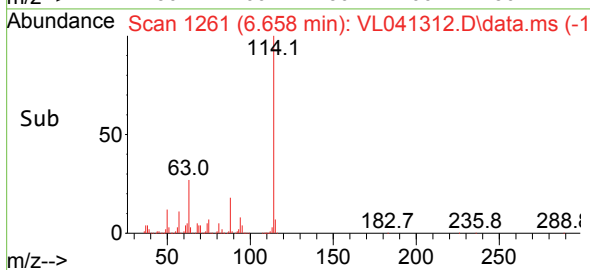
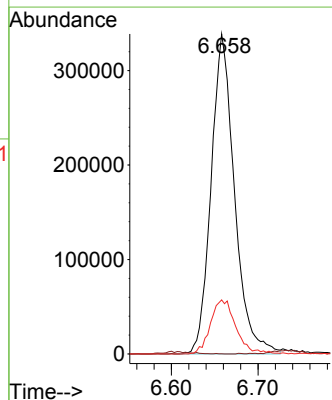
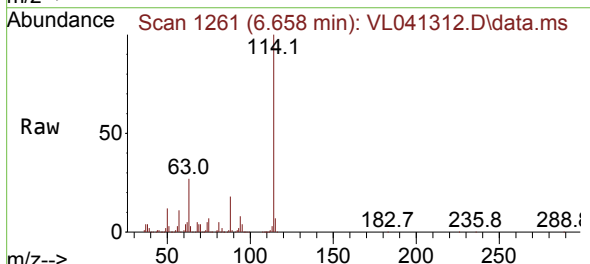
Instrument :
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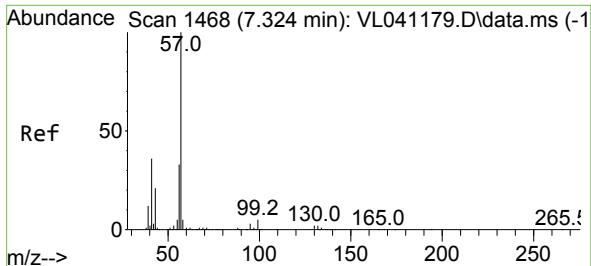
Tgt Ion: 78 Resp: 26516
Ion Ratio Lower Upper
78 100
77 17.8 18.6 28.0#
50 18.0 16.0 24.0



#39
1,2-Dichloropropane
Concen: 8.214 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.421 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

Tgt Ion: 63 Resp: 635617
Ion Ratio Lower Upper
63 100
41 0.0 59.9 89.9#
62 16.9 53.8 80.6#

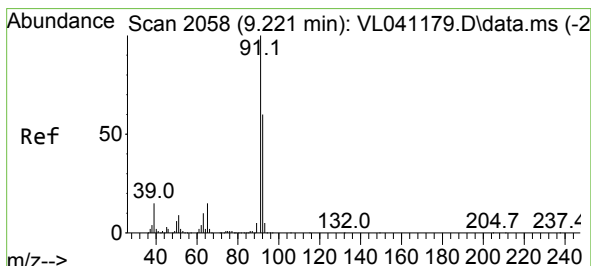
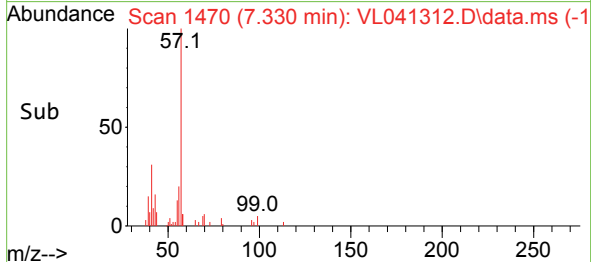
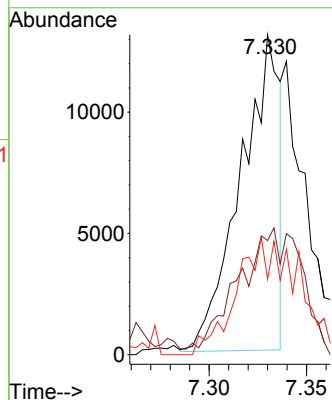
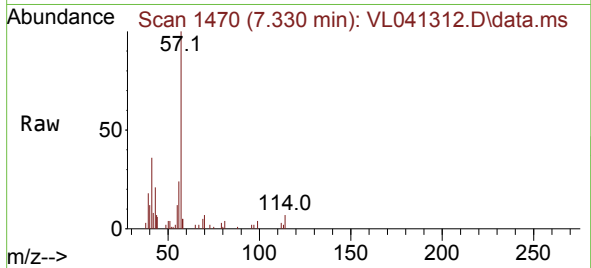




#44
2,2,4-Trimethylpentane
Concen: 0.054 ppbv
RT: 7.330 min Scan# 1468
Delta R.T. -0.003 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

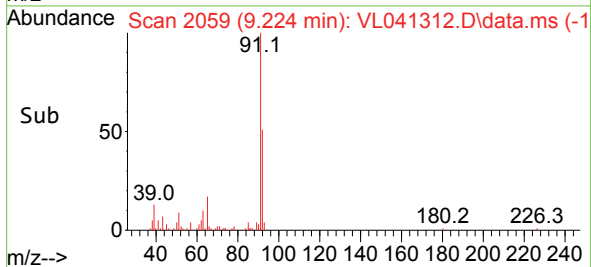
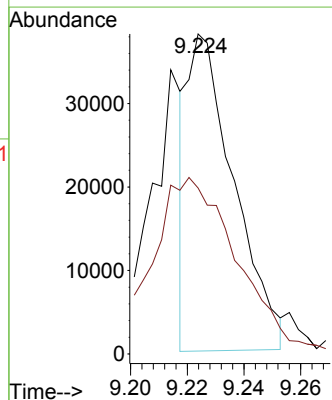
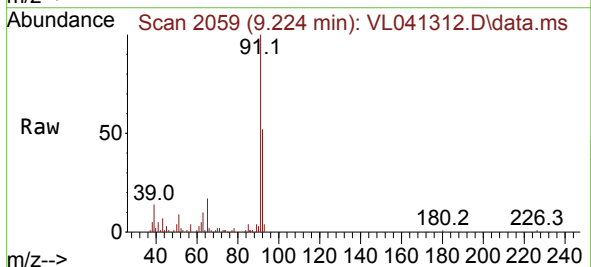
Instrument :
MSVOA_L
ClientSampleId :
LOC-1-EPOXY-AREADL

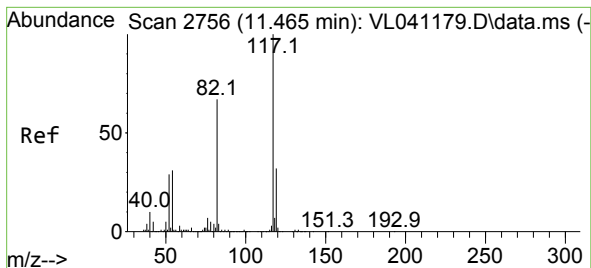
Tgt Ion: 57 Resp: 18099
Ion Ratio Lower Upper
57 100
41 68.6 29.4 44.2#
56 60.6 25.0 37.4#



#53
Toluene
Concen: 0.193 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

Tgt Ion: 91 Resp: 43192
Ion Ratio Lower Upper
91 100
92 108.5 49.2 73.8#

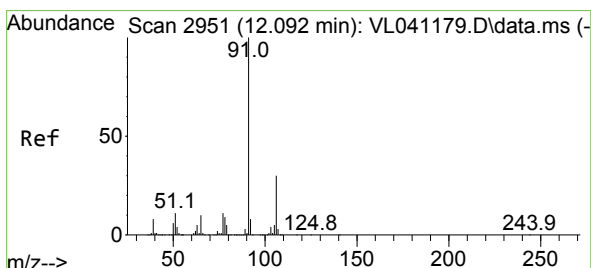
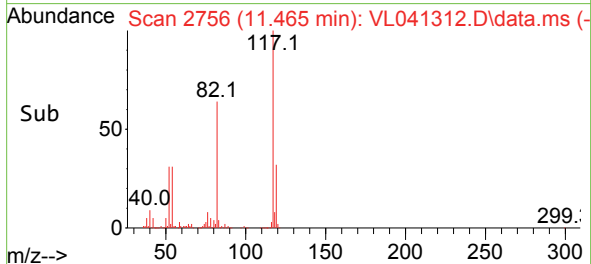
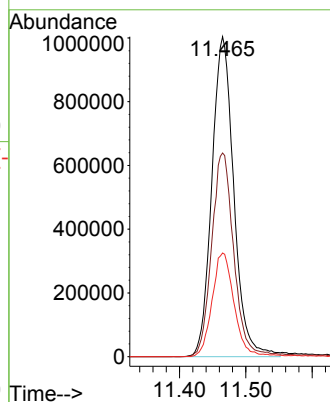
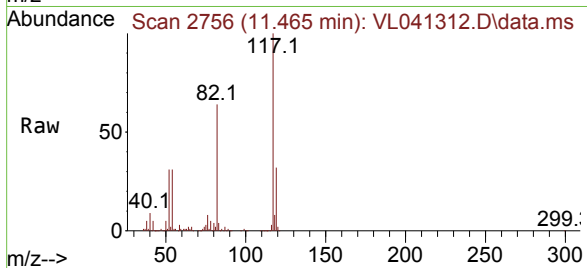




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

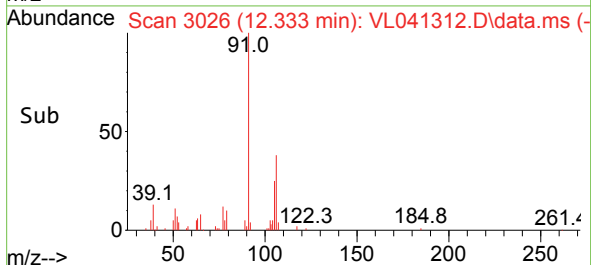
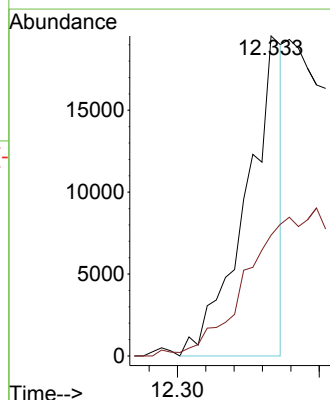
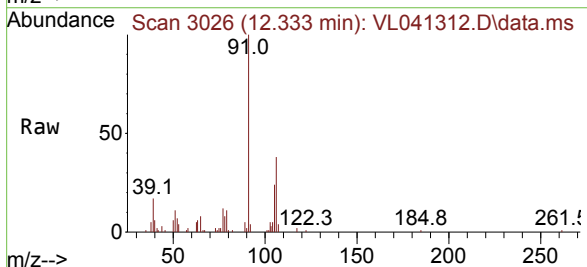
Instrument :
MSVOA_L
ClientSampleId :
LOC-1-EPOXY-AREADL

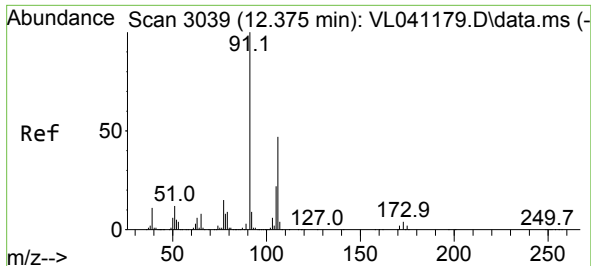
Tgt Ion:117 Resp: 2307402
Ion Ratio Lower Upper
117 100
82 65.0 52.3 78.5
119 32.7 26.2 39.2



#58
Ethyl Benzene
Concen: 0.059 ppbv
RT: 12.333 min Scan# 3026
Delta R.T. 0.251 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

Tgt Ion: 91 Resp: 17487
Ion Ratio Lower Upper
91 100
106 36.6 25.5 38.3

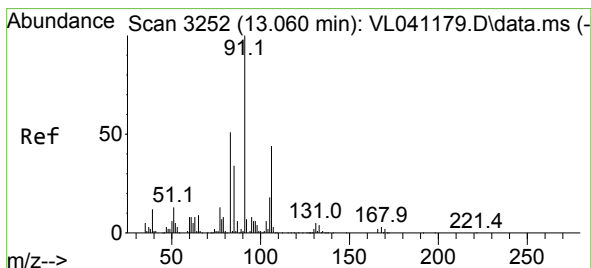
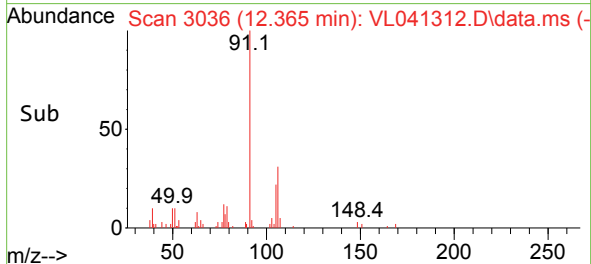
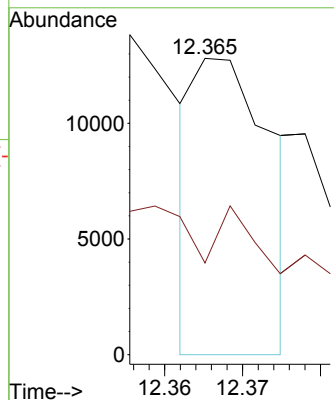
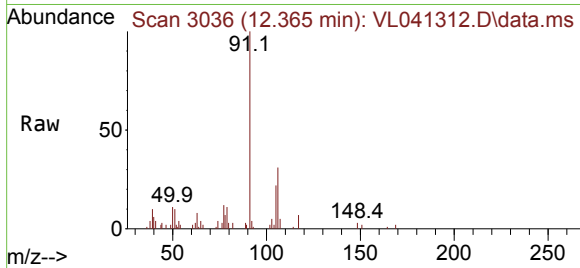




#59
m/p-Xylene
Concen: 0.034 ppbv
RT: 12.365 min Scan# 3036
Delta R.T. 0.000 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

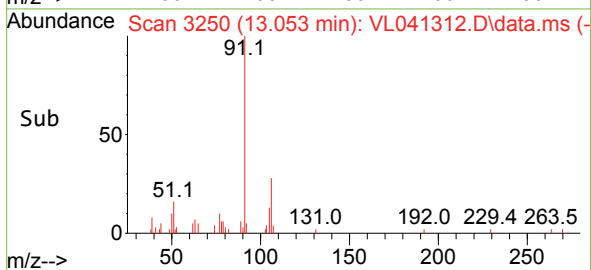
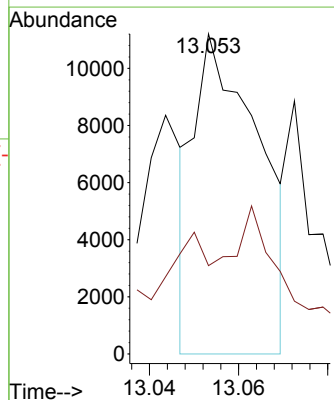
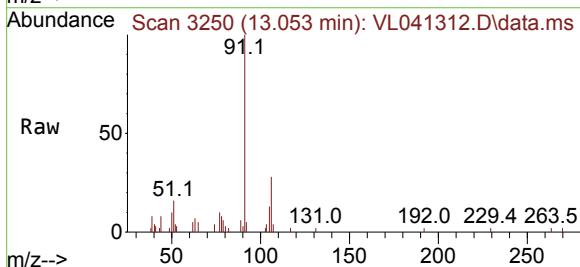
Instrument :
MSVOA_L
ClientSampleId :
LOC-1-EPOXY-AREADL

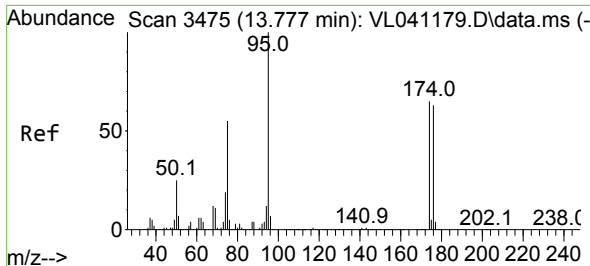
Tgt Ion: 91 Resp: 8673
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#



#60
o-Xylene
Concen: 0.047 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

Tgt Ion: 91 Resp: 11283
Ion Ratio Lower Upper
91 100
106 91.2 22.8 68.4#

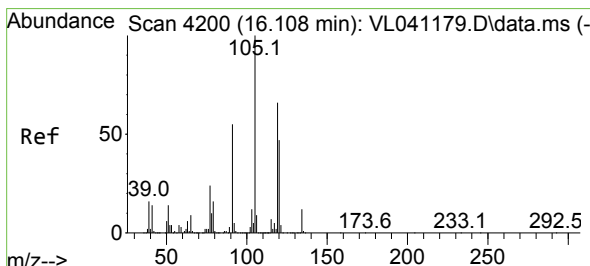
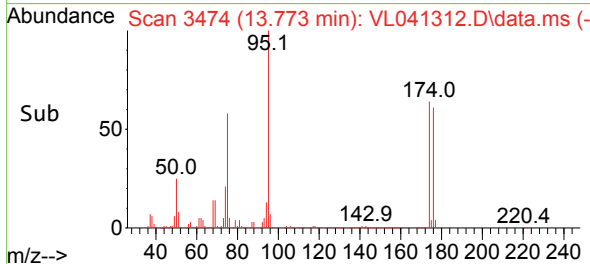
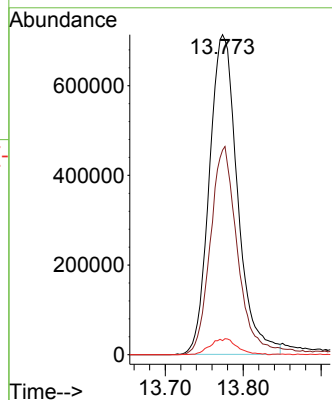
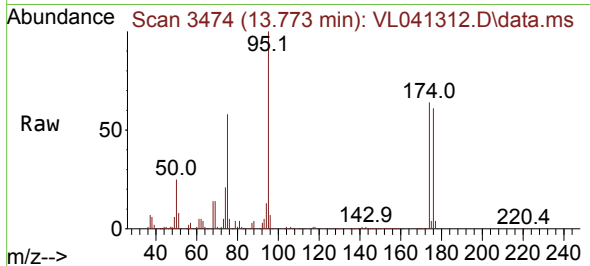




#68
1-Bromo-4-Fluorobenzene
Concen: 10.082 ppbv
RT: 13.773 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOC-1-EPOXY-AREADL

Tgt Ion: 95 Resp: 1796177
Ion Ratio Lower Upper
95 100
174 63.6 52.2 78.2
175 4.8 4.1 6.1



#74
1,2,4-Trimethylbenzene
Concen: 0.039 ppbv
RT: 16.108 min Scan# 4200
Delta R.T. 0.003 min
Lab File: VL041312.D
Acq: 4 Jun 2024 19:28

Tgt Ion: 105 Resp: 10801
Ion Ratio Lower Upper
105 100
120 49.1 37.0 55.6
91 18.0 36.2 54.4#
77 19.8 16.6 24.8

