

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042154.D
 Acq On : 17 Mar 2025 12:51
 Operator : SY/MD
 Sample : Q1586-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 565-SG-1

Quant Time: Mar 18 01:24:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	191555	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	526330	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	471205	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	349708	9.647	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	3076	0.154	ppbv	97
3) Chlorodifluoromethane	1.625	51	42997	1.544	ppbv #	61
4) Chloromethane	1.602	50	5426	0.737	ppbv #	74
5) Vinyl Chloride	1.784	62	930	0.133	ppbv #	65
7) Chloroethane	1.780	64	159	0.056	ppbv #	1
9) Propene	1.560	41	87372	7.704	ppbv #	15
10) Heptane	5.027	43	5052114	143.063	ppbv	86
11) Trichlorofluoromethane	1.881	101	1305	0.065	ppbv #	76
13) Ethanol	1.725	45	21840	30.334	ppbv #	33
15) Acetone	1.845	43	4043924	239.055	ppbv #	76
16) 1,3-Butadiene	1.602	39	38544	4.896	ppbv #	12
17) tert-Butyl alcohol	2.049	59	10601	0.501	ppbv #	70
19) Isopropyl Alcohol	1.890	45	17018	1.751	ppbv #	1
20) Methylene Chloride	2.049	84	73592	11.501	ppbv #	8
21) Allyl Chloride	2.081	41	2027073	165.846	ppbv #	44
23) Vinyl Acetate	2.454	43	5264911	442.629	ppbv #	1
24) 1,1-Dichloroethane	2.450	63	47394	3.037	ppbv #	87
25) Ethyl Acetate	2.855	43	5660661	83.600	ppbv #	78
26) Hexane	2.855	57	6634605	242.367	ppbv #	31
27) Carbon Disulfide	2.156	76	2468	0.133	ppbv #	62
28) Methyl tert-Butyl Ether	2.457	73	5150	0.378	ppbv #	54
29) Chloroform	2.936	83	57220	1.553	ppbv #	1
30) Cyclohexane	3.881	84	4024741	181.143	ppbv #	86
31) cis-1,2-Dichloroethene	2.690	61	11676	0.451	ppbv #	26
34) 2-Butanone	2.567	43	343349	8.374	ppbv	100
36) Benzene	3.677	78	3929144	71.311	ppbv #	75
37) 1,2-Dichloroethane	3.221	62	2144	0.070	ppbv #	1
39) 1,2-Dichloropropane	4.318	63	11498	0.550	ppbv #	1
41) Tetrahydrofuran	3.130	42	587025	24.229	ppbv #	39
42) Bromodichloromethane	4.473	83	748943	18.196	ppbv #	24
43) Methyl Methacrylate	4.839	69	483309	22.461	ppbv #	47
44) 2,2,4-Trimethylpentane	4.635	57	189214	1.946	ppbv #	1
47) 1,1,2-Trichloroethane	6.503	97	131446	6.191	ppbv #	43
50) 4-Methyl-2-Pentanone	5.820	43	133553	2.518	ppbv	93
51) 2-Hexanone	7.448	43	868528	23.796	ppbv #	32
52) Tetrachloroethene	8.247	164	84220	4.465	ppbv	93
53) Toluene	6.959	91	305311	4.958	ppbv	98
57) Chlorobenzene	8.891	112	8584	0.176	ppbv #	36
58) Ethyl Benzene	9.374	91	232110	2.675	ppbv	98
59) m/p-Xylene	9.548	91	672715	9.741	ppbv #	100
60) o-Xylene	9.982	91	201180	2.898	ppbv	97
61) Styrene	9.888	104	7224	0.221	ppbv #	73
62) Isopropylbenzene	10.555	105	22053	0.212	ppbv	93

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ClientSampleId :
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Quant Time: Mar 18 01:24:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

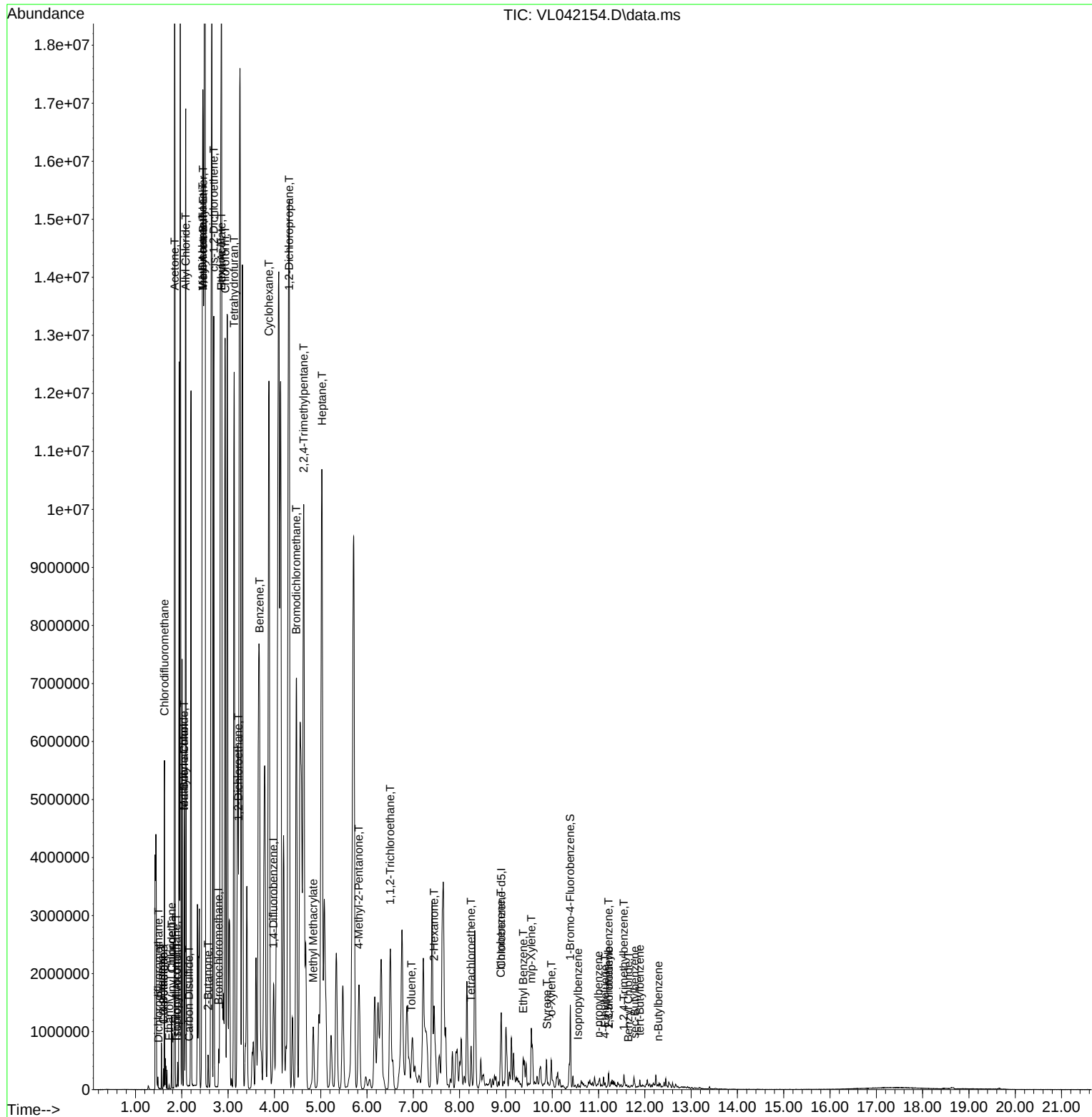
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	11.002	120	5898	0.216	ppbv	83
65) tert-Butylbenzene	11.892	119	8598	0.091	ppbv	92
66) Benzyl Chloride	11.642	91	306	0.042	ppbv #	1
67) sec-Butylbenzene	11.782	105	5614	0.041	ppbv #	50
70) n-Butylbenzene	12.290	91	5711	0.052	ppbv #	67
71) 2-Chlorotoluene	11.218	91	4983	0.062	ppbv	90
72) 4-Ethyltoluene	11.138	105	24902	0.294	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.215	105	38025	0.517	ppbv	93
74) 1,2,4-Trimethylbenzene	11.549	105	74719	0.902	ppbv #	60

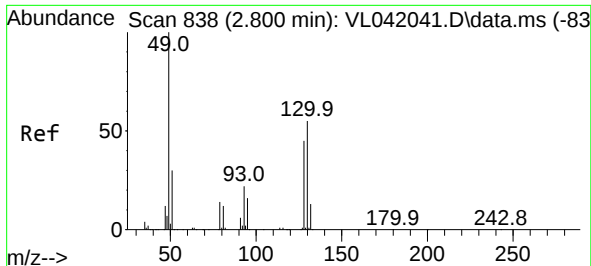
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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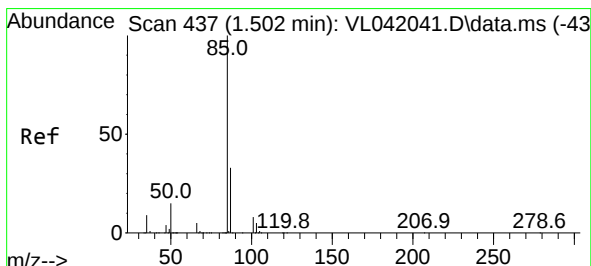
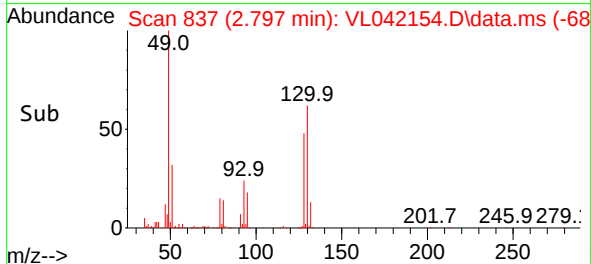
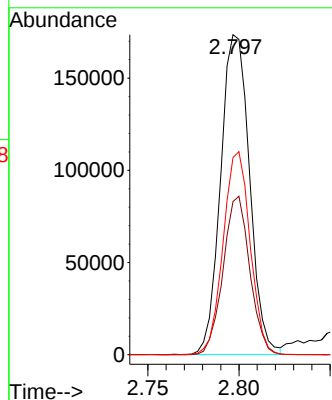
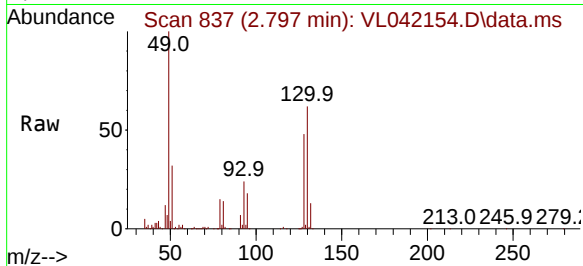




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

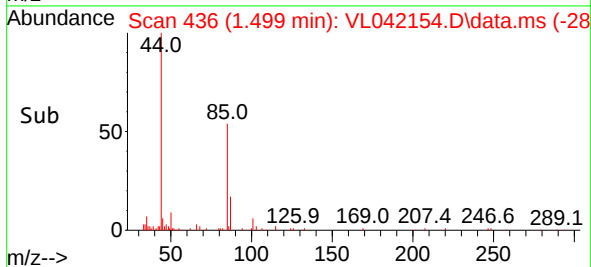
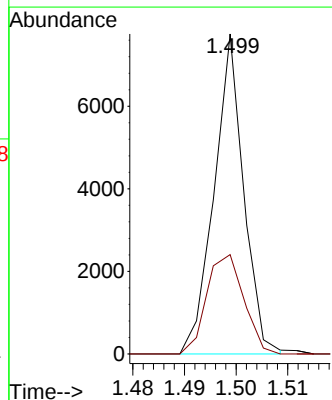
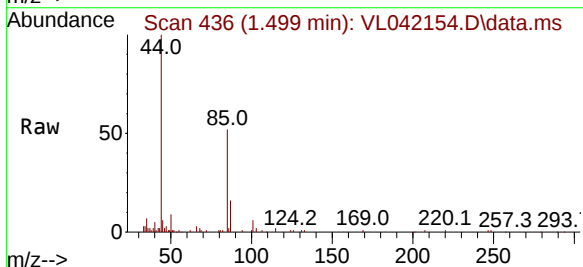
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

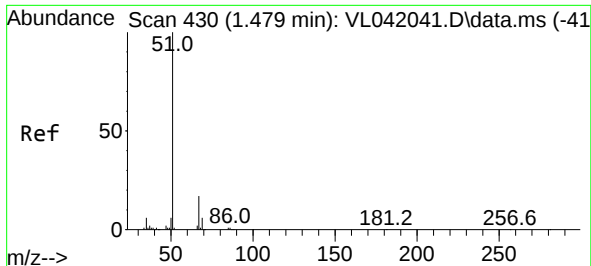
Tgt Ion: 49 Resp: 191555
Ion Ratio Lower Upper
49 100
128 45.7 21.6 64.8
130 59.4 27.8 83.4



#2
Dichlorodifluoromethane
Concen: 0.154 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 85 Resp: 3076
Ion Ratio Lower Upper
85 100
87 31.0 26.4 39.6

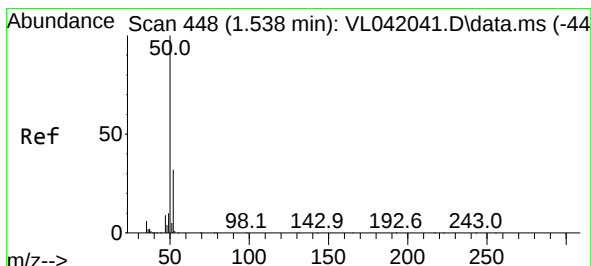
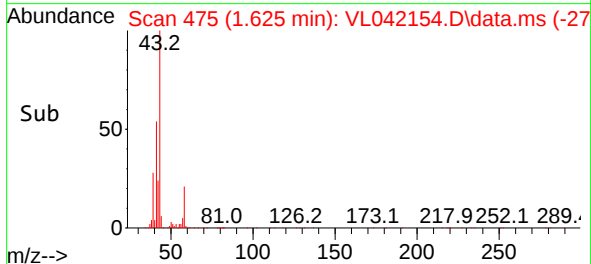
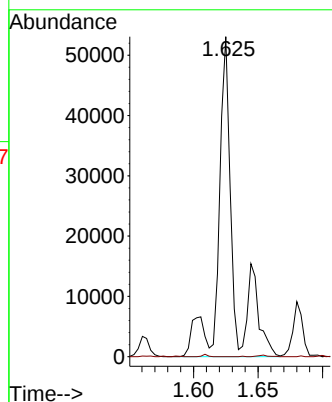
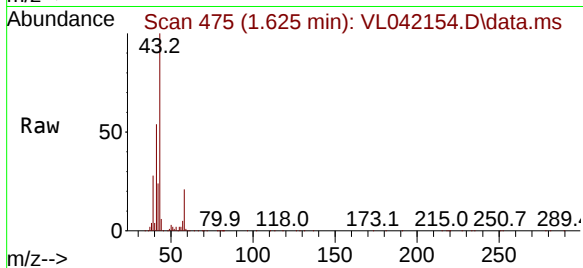




#3
Chlorodifluoromethane
Concen: 1.544 ppbv
RT: 1.625 min Scan# 41
Delta R.T. 0.146 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

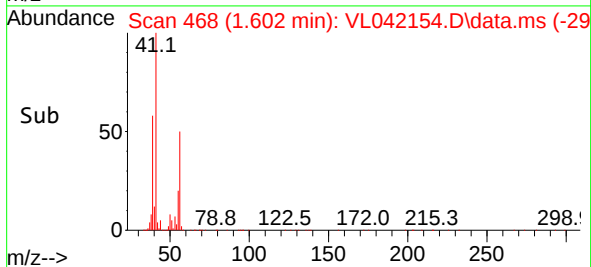
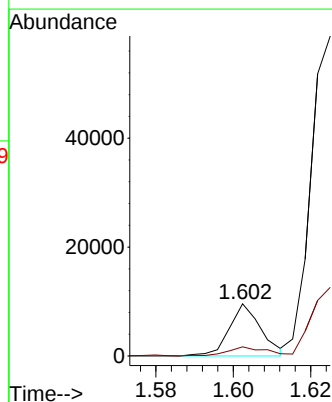
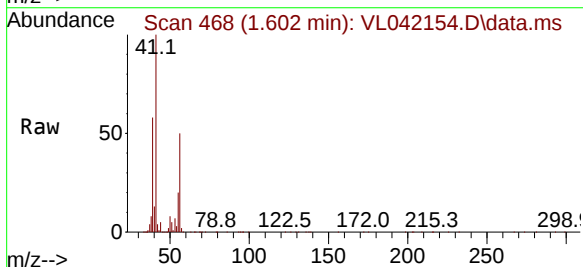
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

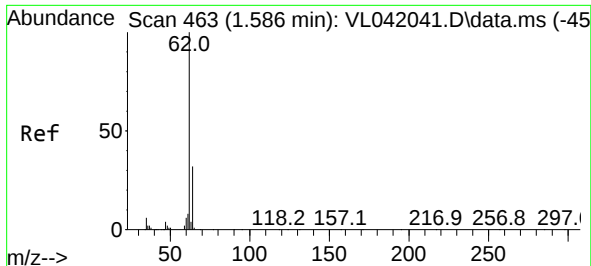
Tgt Ion: 51 Resp: 42997
Ion Ratio Lower Upper
51 100
67 0.0 13.7 20.5#



#4
Chloromethane
Concen: 0.737 ppbv
RT: 1.602 min Scan# 468
Delta R.T. 0.065 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 50 Resp: 5426
Ion Ratio Lower Upper
50 100
52 17.5 25.4 38.0#

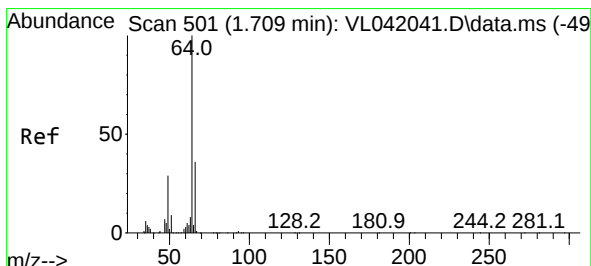
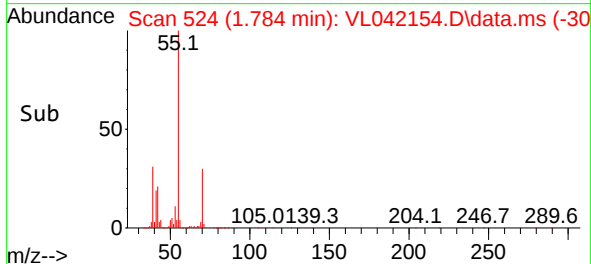
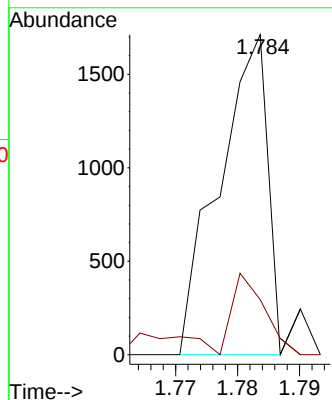
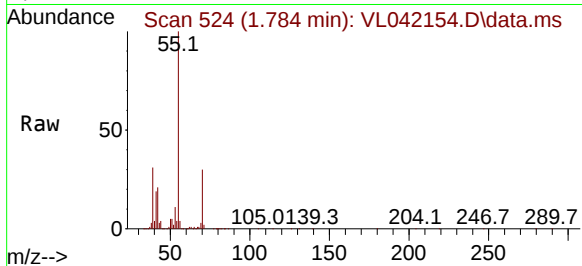




#5
 Vinyl Chloride
 Concen: 0.133 ppbv
 RT: 1.784 min Scan# 51
 Delta R.T. 0.197 min
 Lab File: VL042154.D
 Acq: 17 Mar 2025 12:51

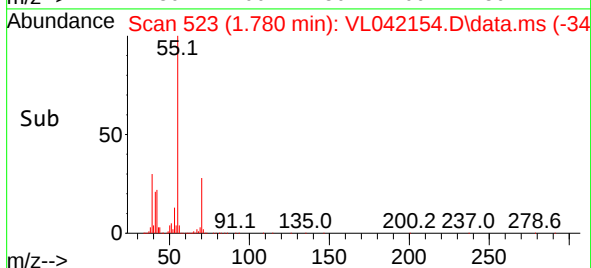
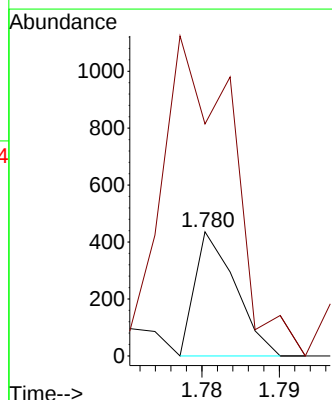
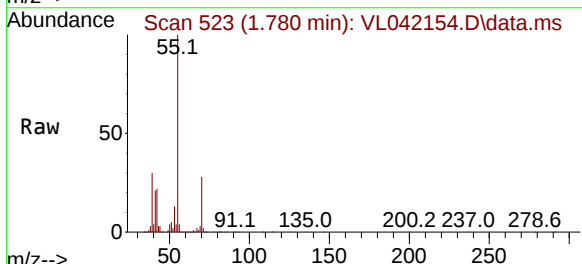
Instrument :
 MSVOA_1
 ClientSampleId :
 565-SG-1

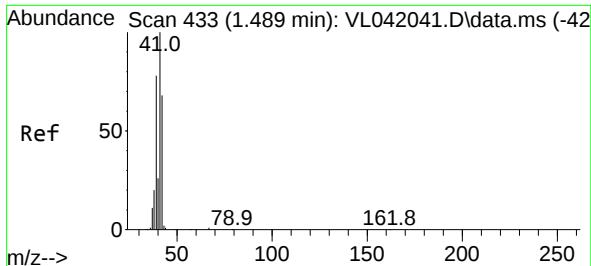
Tgt Ion: 62 Resp: 930
 Ion Ratio Lower Upper
 62 100
 64 12.1 25.3 37.9#



#7
 Chloroethane
 Concen: 0.056 ppbv
 RT: 1.780 min Scan# 523
 Delta R.T. 0.071 min
 Lab File: VL042154.D
 Acq: 17 Mar 2025 12:51

Tgt Ion: 64 Resp: 159
 Ion Ratio Lower Upper
 64 100
 66 186.9 28.4 42.6#





#9

Propene

Concen: 7.704 ppbv

RT: 1.560 min Scan# 41

Delta R.T. 0.071 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

Instrument :

MSVOA_1

ClientSampleId :

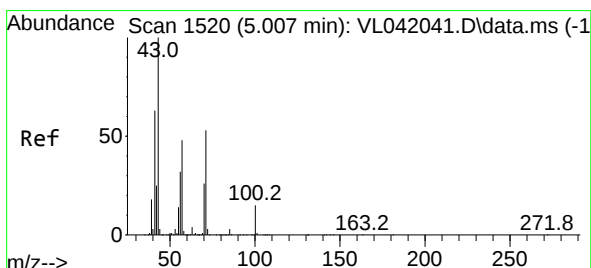
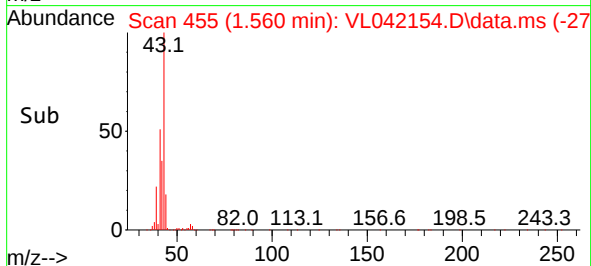
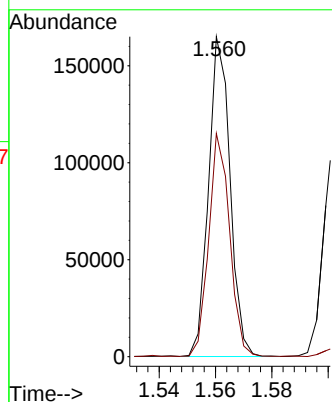
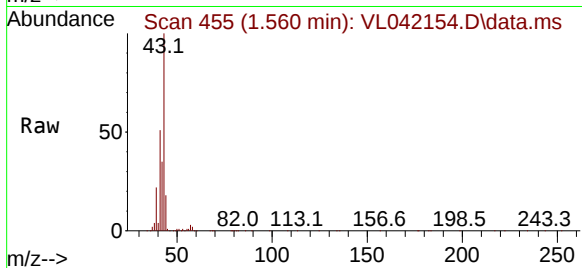
565-SG-1

Tgt Ion: 41 Resp: 87372

Ion Ratio Lower Upper

41 100

42 0.0 55.8 83.6#



#10

Heptane

Concen: 143.063 ppbv

RT: 5.027 min Scan# 1526

Delta R.T. 0.019 min

Lab File: VL042154.D

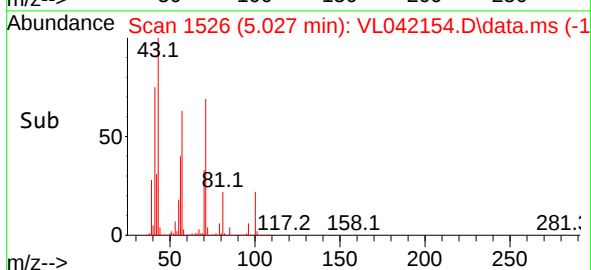
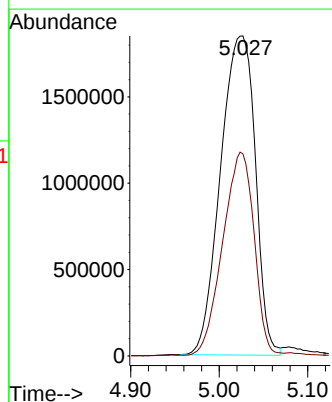
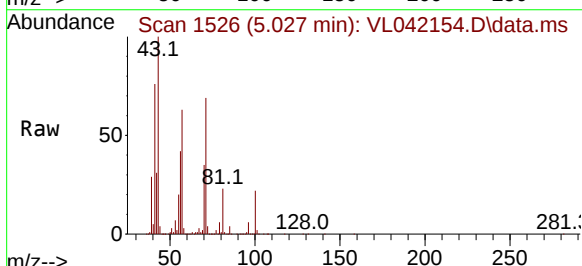
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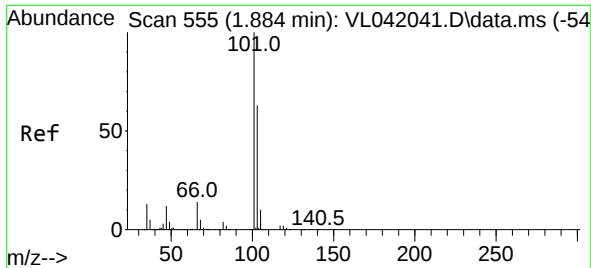
Tgt Ion: 43 Resp: 5052114

Ion Ratio Lower Upper

43 100

57 58.4 39.4 59.0

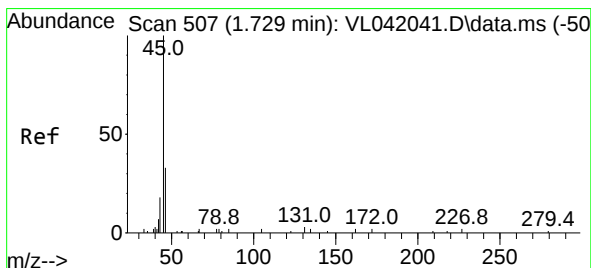
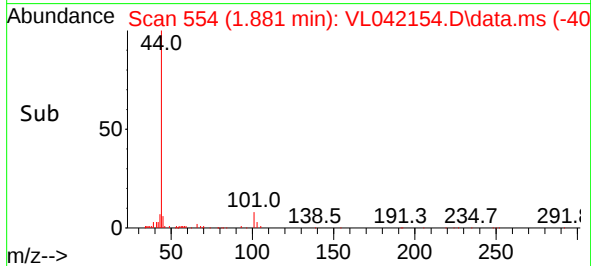
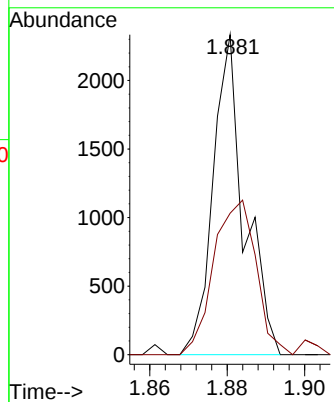
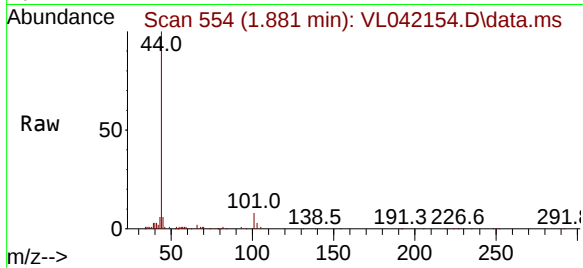




#11
 Trichlorofluoromethane
 Concen: 0.065 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL042154.D
 Acq: 17 Mar 2025 12:51

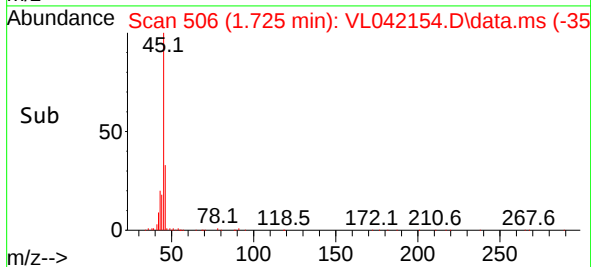
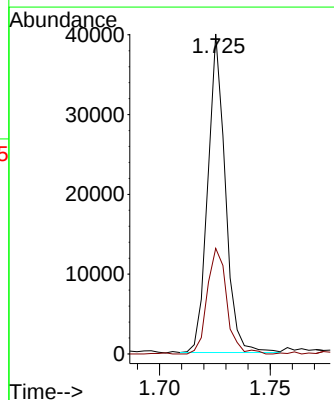
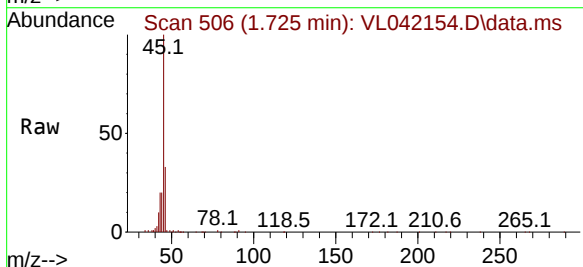
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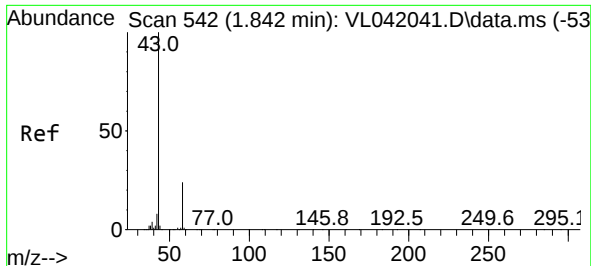
Tgt Ion:101 Resp: 1305
 Ion Ratio Lower Upper
 101 100
 103 44.2 50.6 75.8#



#13
 Ethanol
 Concen: 30.334 ppbv
 RT: 1.725 min Scan# 506
 Delta R.T. -0.003 min
 Lab File: VL042154.D
 Acq: 17 Mar 2025 12:51

Tgt Ion: 45 Resp: 21840
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.1 68.3#

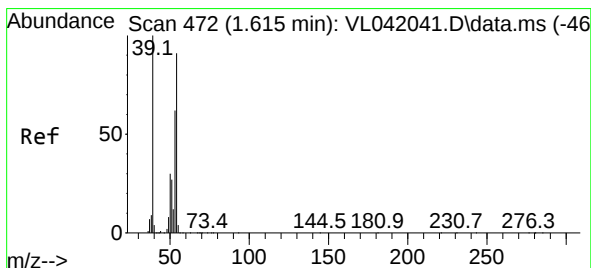
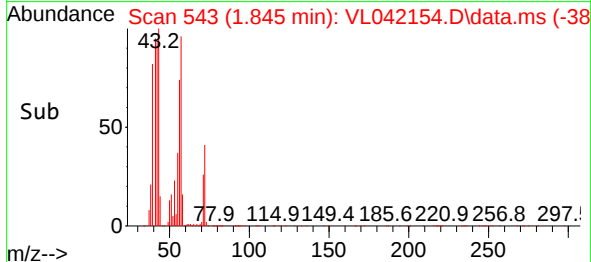
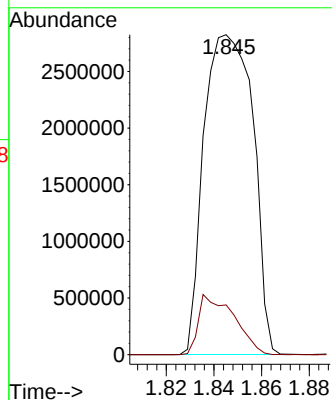
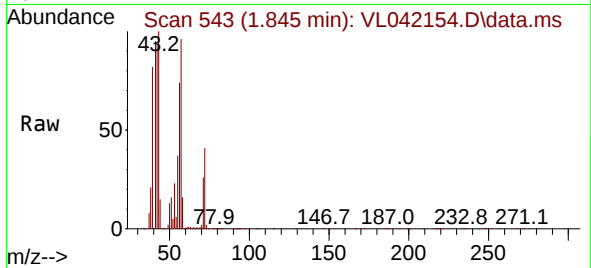




#15
Acetone
Concen: 239.055 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

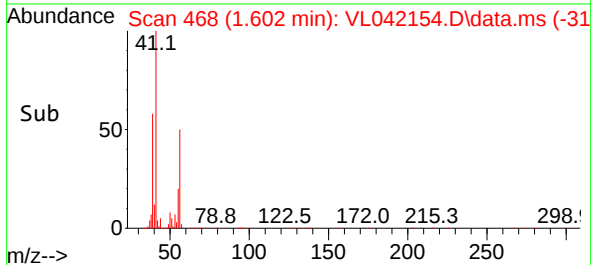
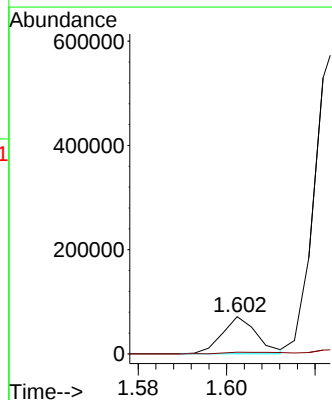
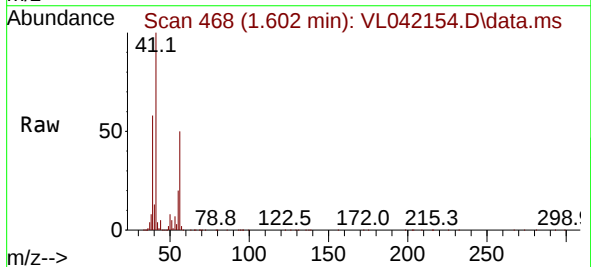
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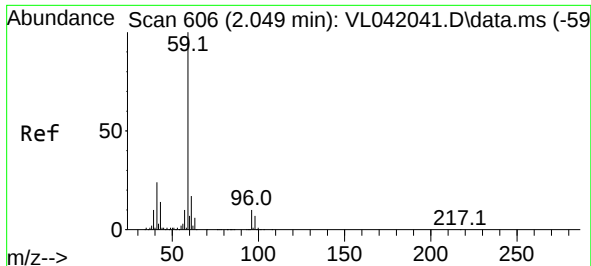
Tgt Ion: 43 Resp: 4043924
Ion Ratio Lower Upper
43 100
58 13.7 20.7 31.1#



#16
1,3-Butadiene
Concen: 4.896 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.013 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 39 Resp: 38544
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#





#17

tert-Butyl alcohol

Concen: 0.501 ppbv

RT: 2.049 min Scan# 606

Delta R.T. -0.000 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

Instrument :

MSVOA_L

ClientSampleId :

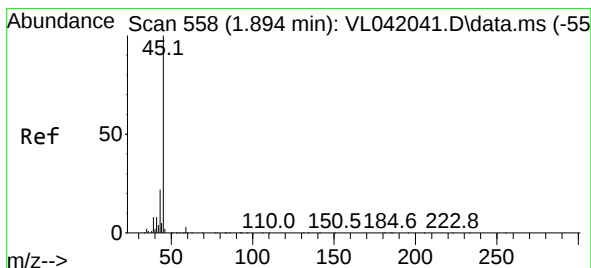
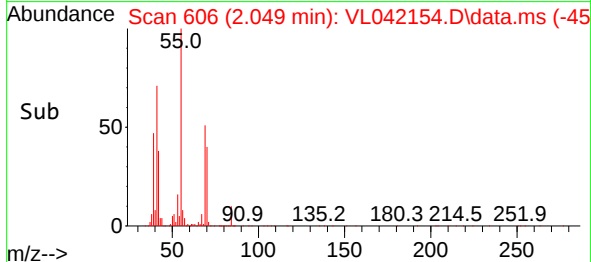
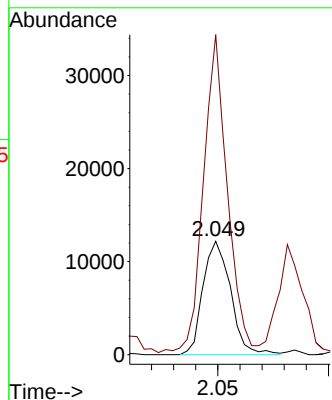
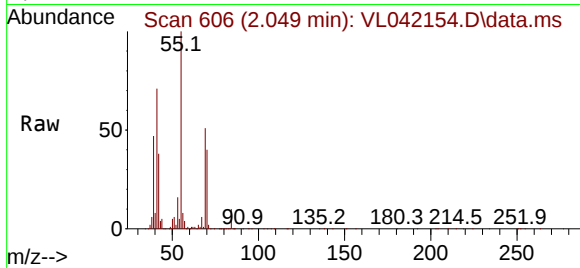
565-SG-1

Tgt Ion: 59 Resp: 10601

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



#19

Isopropyl Alcohol

Concen: 1.751 ppbv

RT: 1.890 min Scan# 557

Delta R.T. -0.003 min

Lab File: VL042154.D

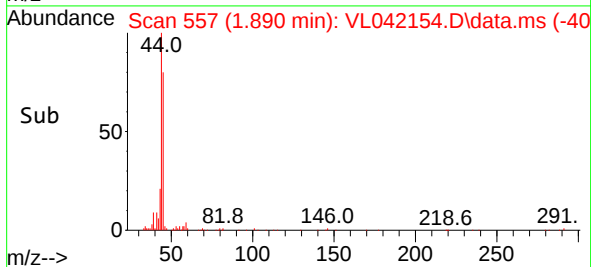
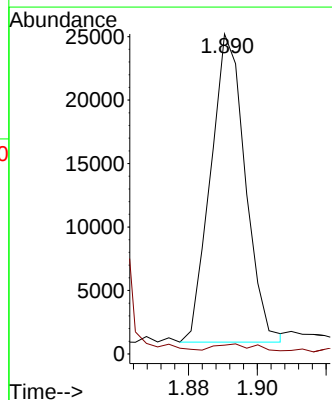
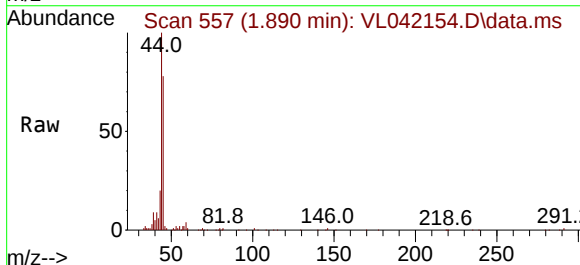
Acq: 17 Mar 2025 12:51

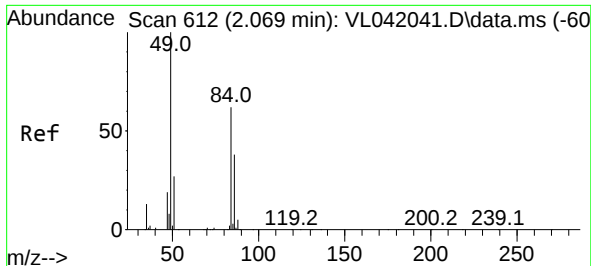
Tgt Ion: 45 Resp: 17018

Ion Ratio Lower Upper

45 100

58 3252.6 35.3 52.9#

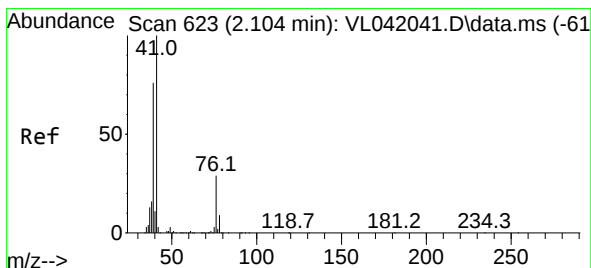
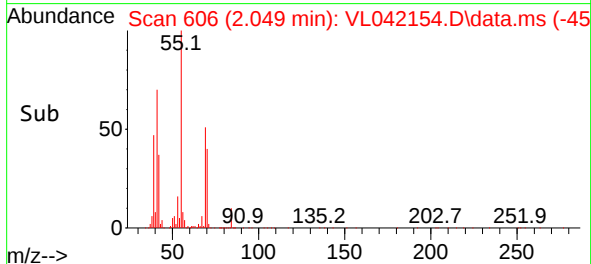
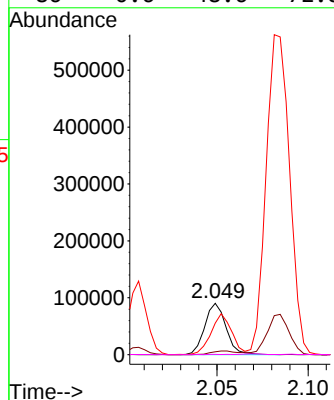
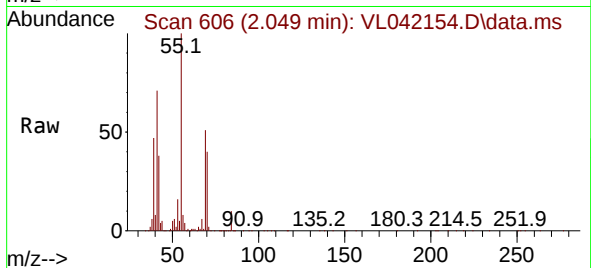




#20
Methylene Chloride
Concen: 11.501 ppbv
RT: 2.049 min Scan# 612
Delta R.T. -0.020 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

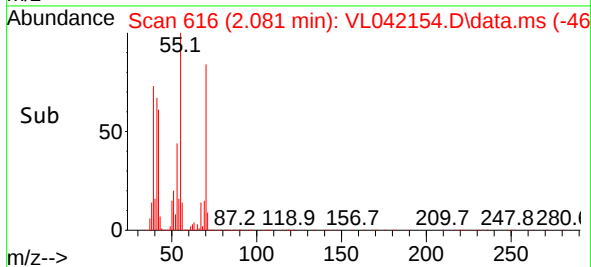
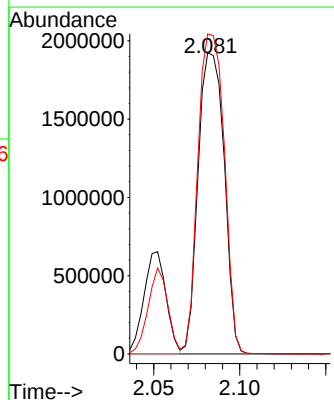
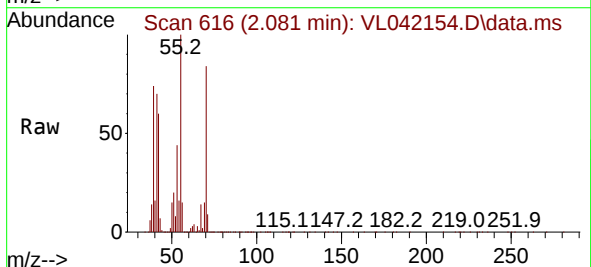
Instrument :
MSVOA_1
ClientSampleId :
565-SG-1

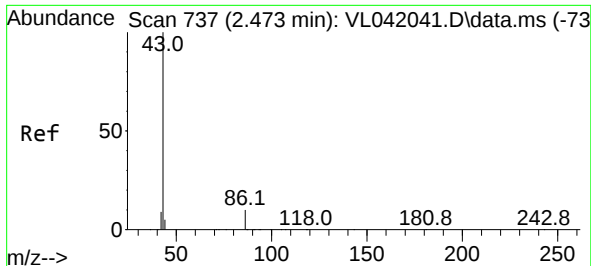
Tgt Ion: 84 Resp: 73592
Ion Ratio Lower Upper
84 100
49 5.7 130.0 195.0#
51 60.6 37.4 56.0#
86 0.6 48.6 72.8#



#21
Allyl Chloride
Concen: 165.846 ppbv
RT: 2.081 min Scan# 616
Delta R.T. -0.023 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 41 Resp: 2027073
Ion Ratio Lower Upper
41 100
76 0.0 23.8 35.6#
39 129.2 63.8 95.6#





#23

Vinyl Acetate

Concen: 442.629 ppbv

RT: 2.454 min Scan# 71

Delta R.T. -0.020 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

Instrument :

MSVOA_L

ClientSampleId :

565-SG-1

Tgt Ion: 43 Resp: 5264911

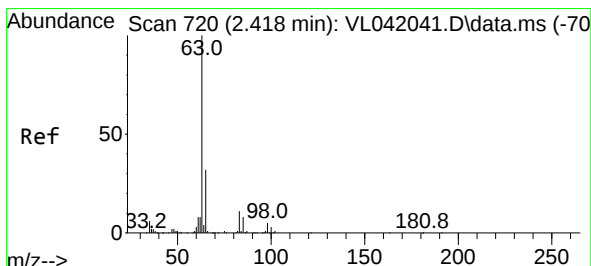
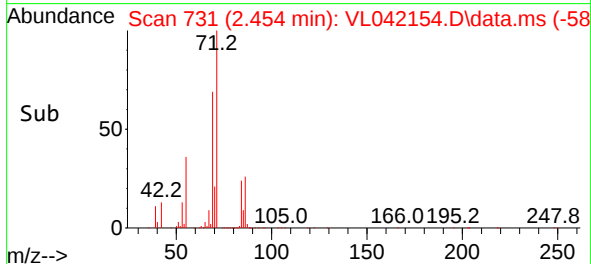
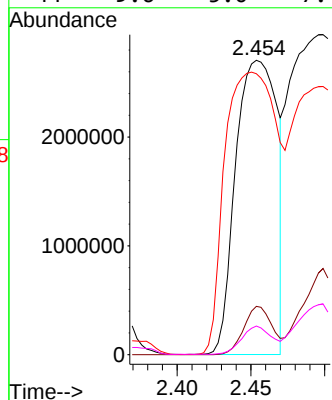
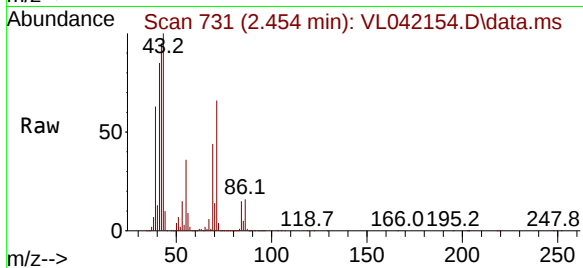
Ion Ratio Lower Upper

43 100

86 16.4 7.0 10.4#

42 95.4 7.6 11.4#

44 9.6 5.0 7.4#



#24

1,1-Dichloroethane

Concen: 3.037 ppbv

RT: 2.450 min Scan# 730

Delta R.T. 0.032 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

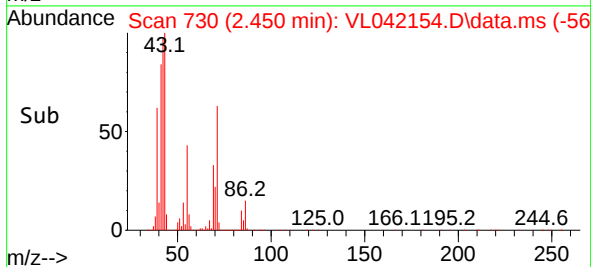
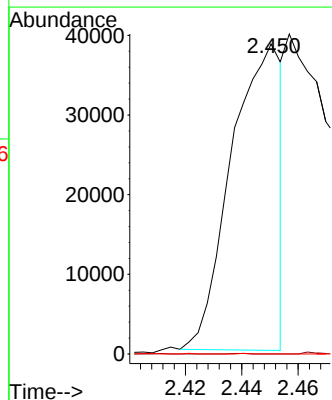
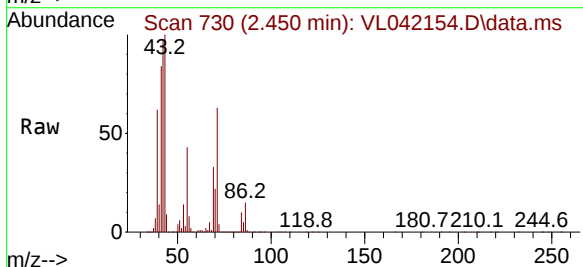
Tgt Ion: 63 Resp: 47394

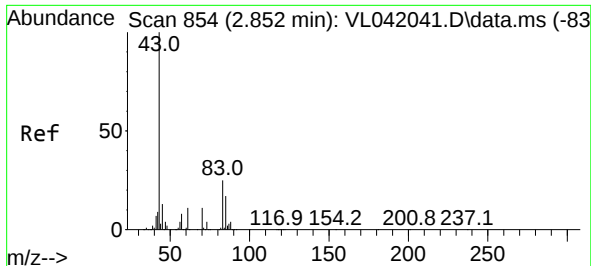
Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.2#

100 0.0 1.7 5.0#

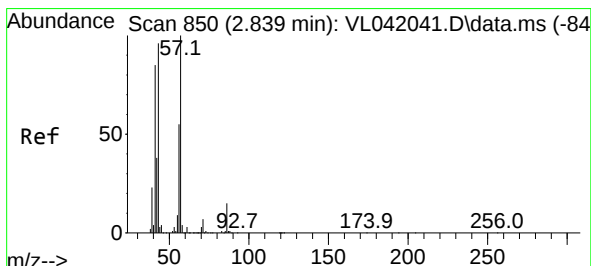
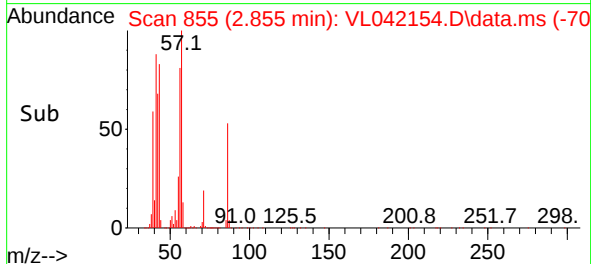
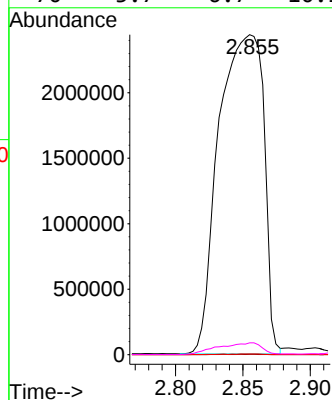
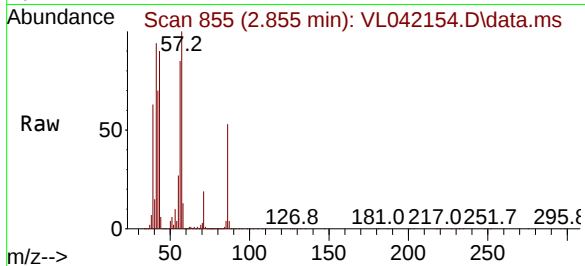




#25
Ethyl Acetate
Concen: 83.600 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

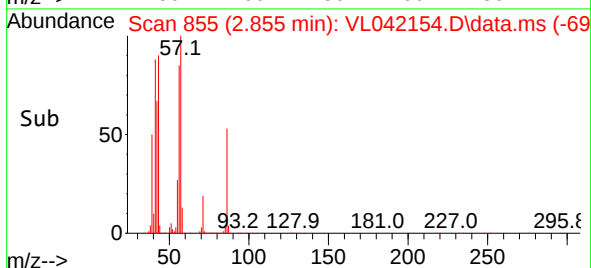
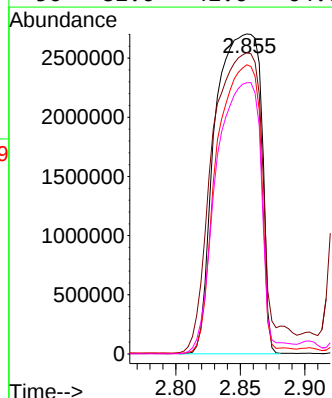
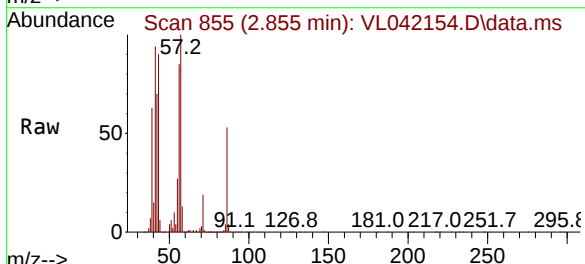
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

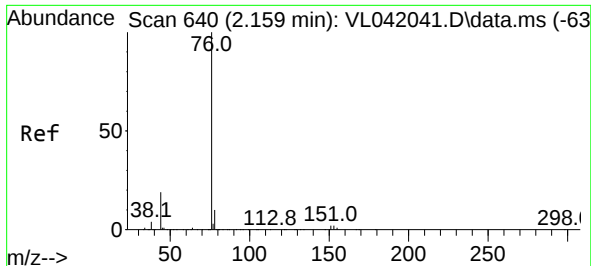
Tgt Ion: 43 Resp: 5660661
Ion Ratio Lower Upper
43 100
45 0.1 8.1 12.1#
61 0.3 7.2 10.8#
70 3.7 6.7 10.1#



#26
Hexane
Concen: 242.367 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.016 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 57 Resp: 6634605
Ion Ratio Lower Upper
57 100
41 102.5 70.6 106.0
43 85.8 199.4 299.0#
56 82.6 42.6 64.0#

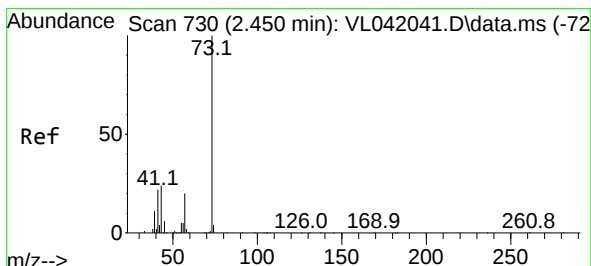
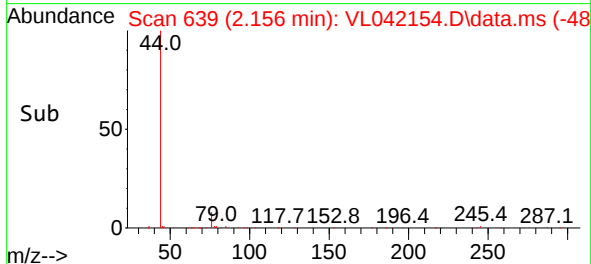
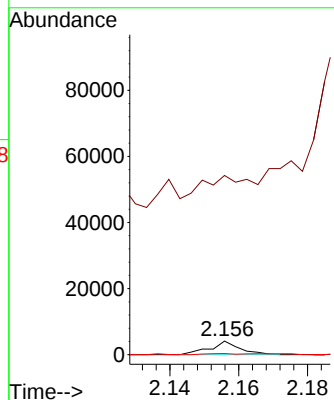
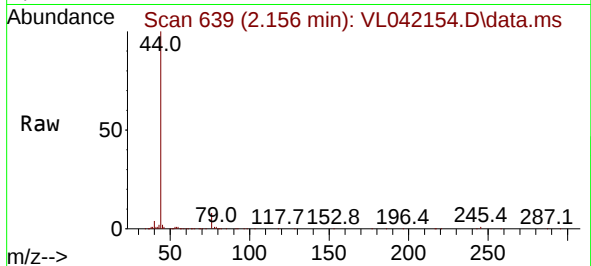




#27
Carbon Disulfide
Concen: 0.133 ppbv
RT: 2.156 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

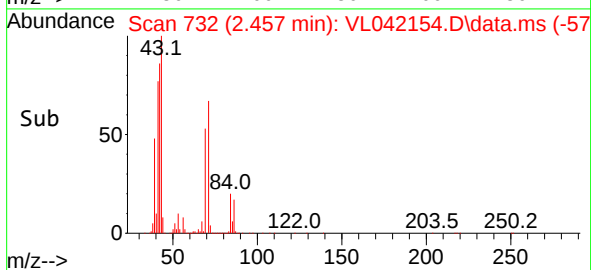
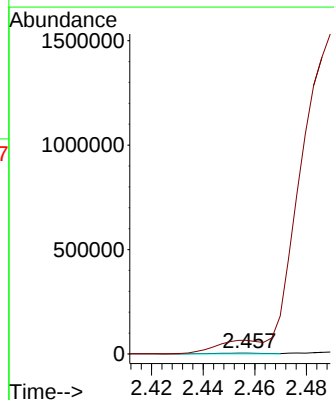
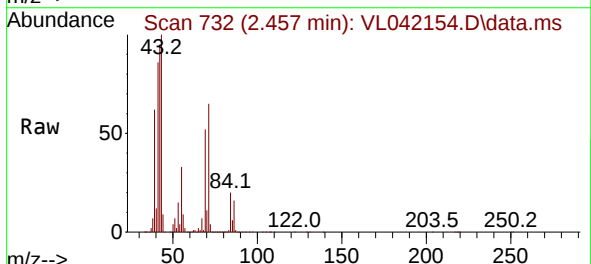
Instrument :
MSVOA_1
ClientSampleId :
565-SG-1

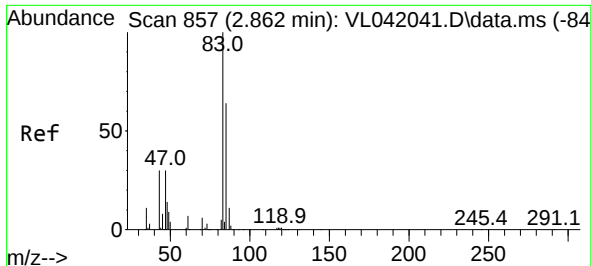
Tgt Ion: 76 Resp: 2468
Ion Ratio Lower Upper
76 100
44 0.0 16.2 24.2#
78 22.1 9.4 14.0#



#28
Methyl tert-Butyl Ether
Concen: 0.378 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.006 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 73 Resp: 5150
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#





#29

Chloroform

Concen: 1.553 ppbv

RT: 2.936 min Scan# 81

Delta R.T. 0.074 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

Instrument :

MSVOA_L

ClientSampleId :

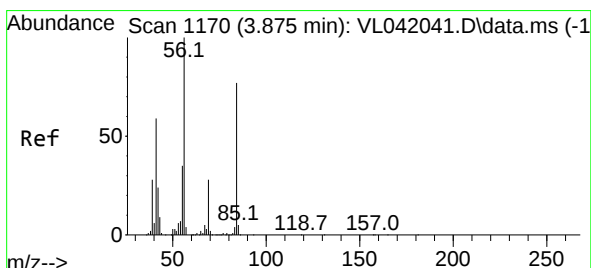
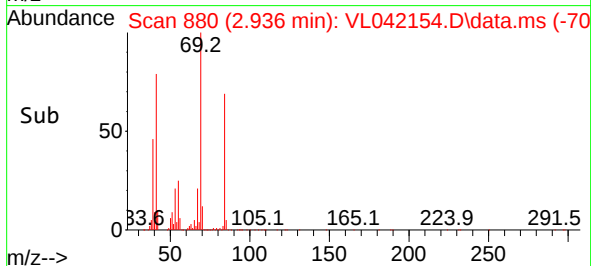
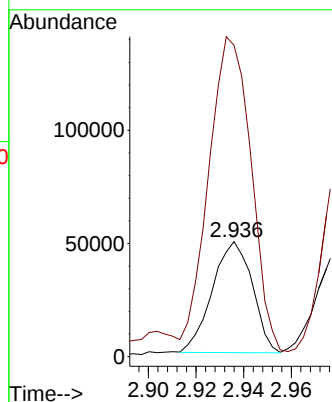
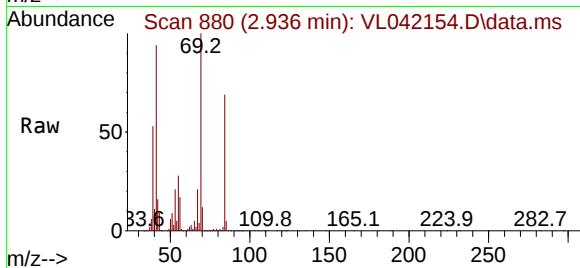
565-SG-1

Tgt Ion: 83 Resp: 57220

Ion Ratio Lower Upper

83 100

85 275.1 51.2 76.8#



#30

Cyclohexane

Concen: 181.143 ppbv

RT: 3.881 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

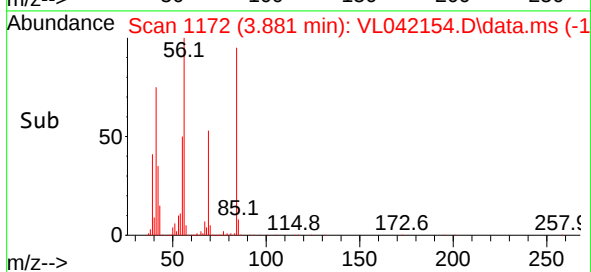
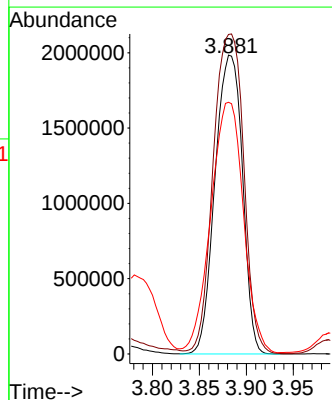
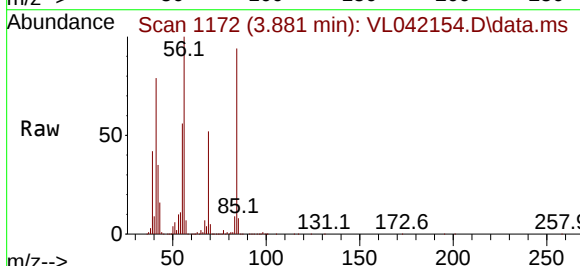
Tgt Ion: 84 Resp: 4024741

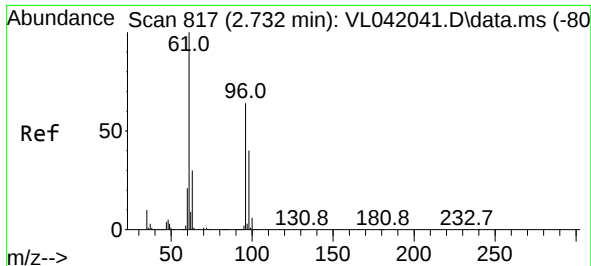
Ion Ratio Lower Upper

84 100

56 119.1 101.5 152.3

41 99.4 62.6 93.8#

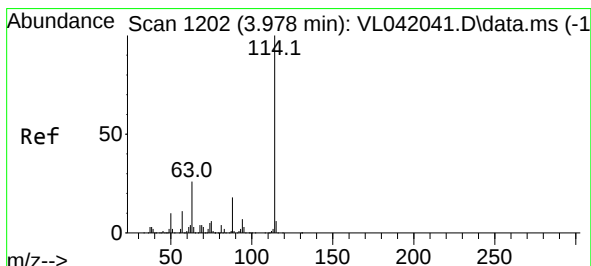
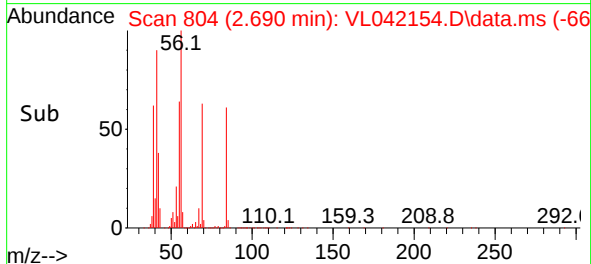
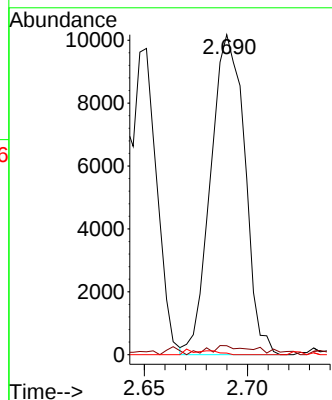
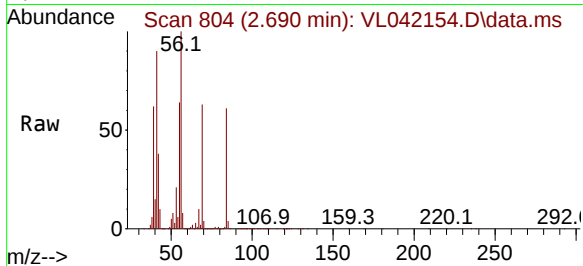




#31
 cis-1,2-Dichloroethene
 Concen: 0.451 ppbv
 RT: 2.690 min Scan# 804
 Delta R.T. -0.042 min
 Lab File: VL042154.D
 Acq: 17 Mar 2025 12:51

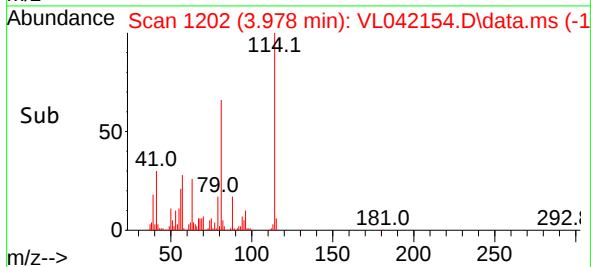
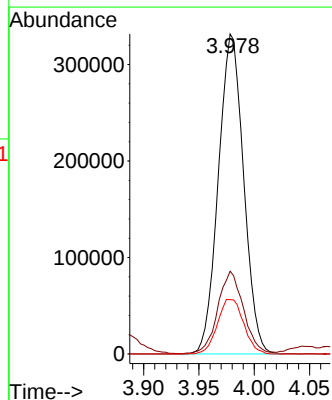
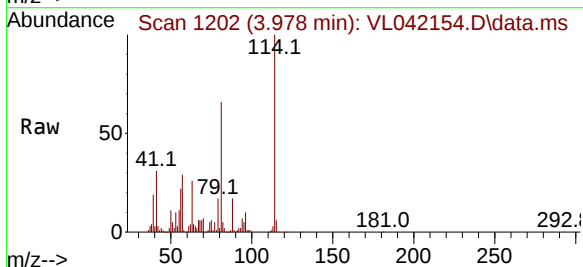
Instrument :
 MSVOA_L
 ClientSampleId :
 565-SG-1

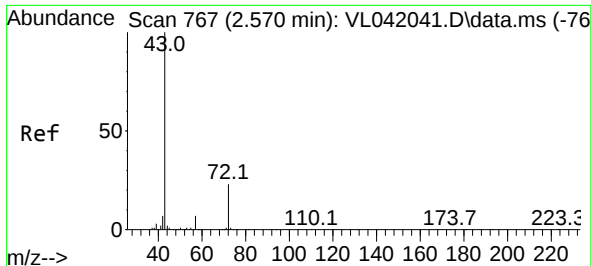
Tgt Ion: 61 Resp: 11676
 Ion Ratio Lower Upper
 61 100
 96 2.0 51.5 77.3#
 98 0.5 32.0 48.0#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.978 min Scan# 1202
 Delta R.T. -0.000 min
 Lab File: VL042154.D
 Acq: 17 Mar 2025 12:51

Tgt Ion: 114 Resp: 526330
 Ion Ratio Lower Upper
 114 100
 63 26.4 20.1 30.1
 88 17.7 14.3 21.5

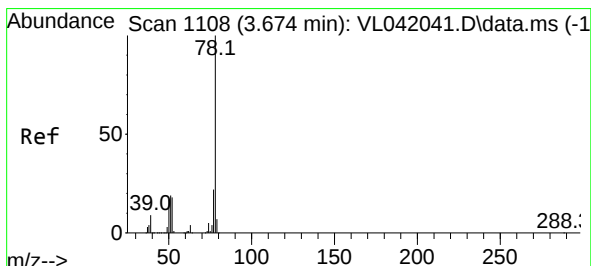
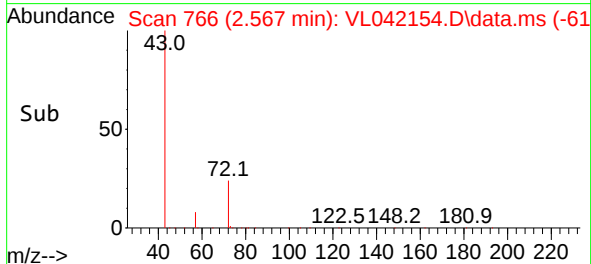
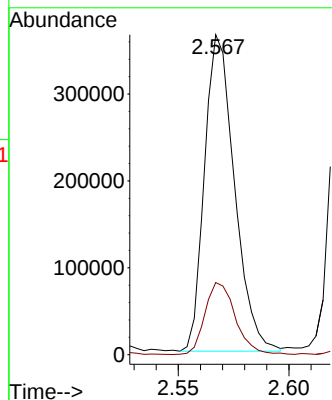
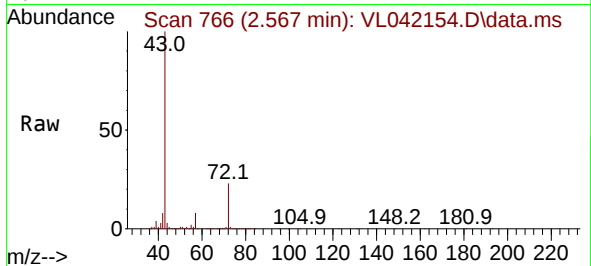




#34
2-Butanone
Concen: 8.374 ppbv
RT: 2.567 min Scan# 766
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

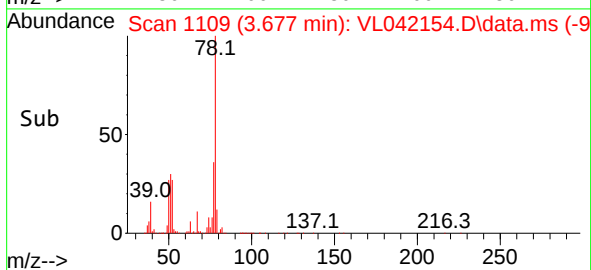
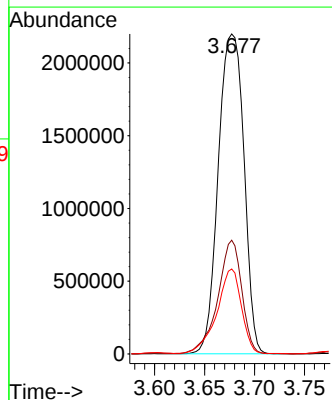
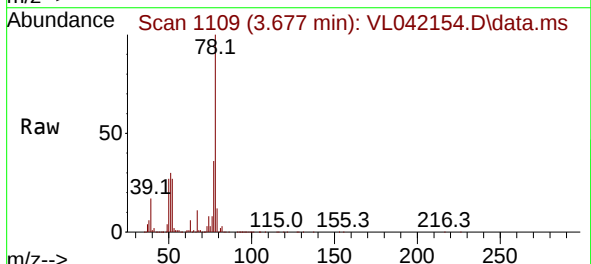
Instrument : MSVOA_1
ClientSampleId : 565-SG-1

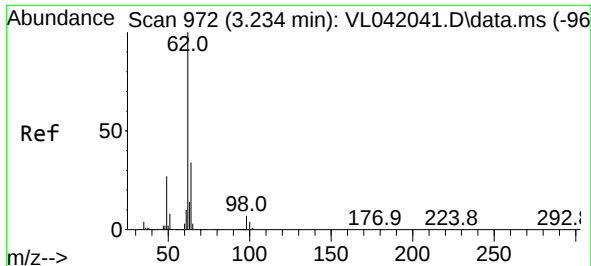
Tgt Ion: 43 Resp: 343349
Ion Ratio Lower Upper
43 100
72 23.1 18.5 27.7



#36
Benzene
Concen: 71.311 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 78 Resp: 3929144
Ion Ratio Lower Upper
78 100
77 35.4 17.7 26.5#
50 26.4 13.9 20.9#

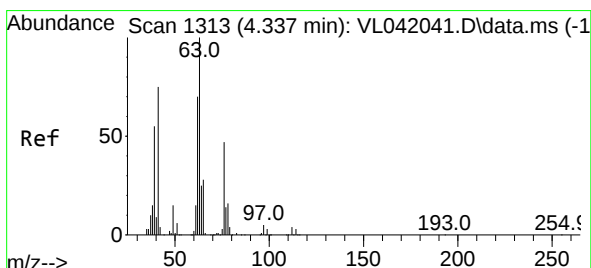
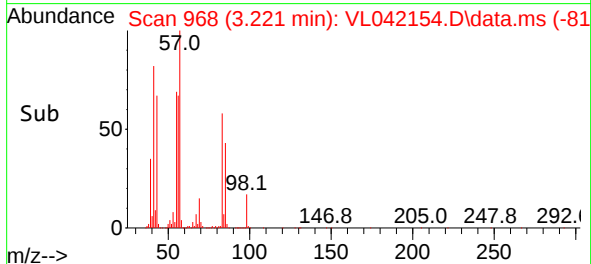
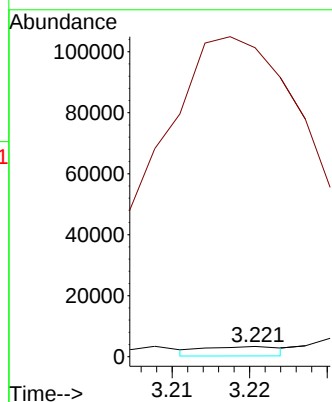
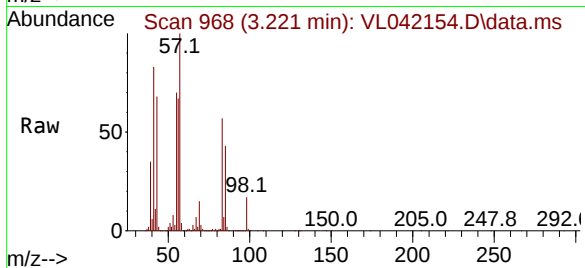




#37
 1,2-Dichloroethane
 Concen: 0.070 ppbv
 RT: 3.221 min Scan# 90
 Delta R.T. -0.013 min
 Lab File: VL042154.D
 Acq: 17 Mar 2025 12:51

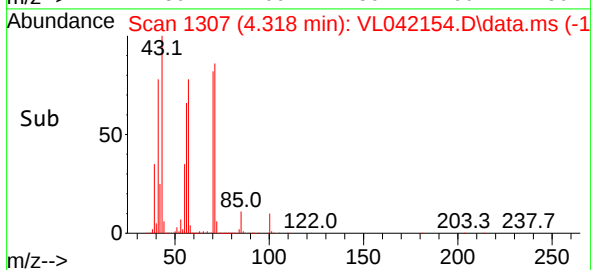
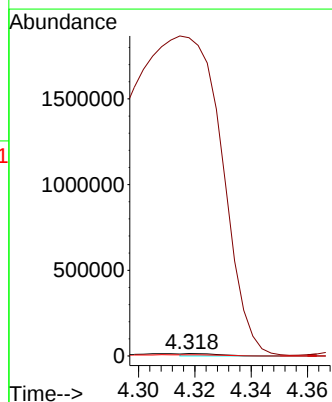
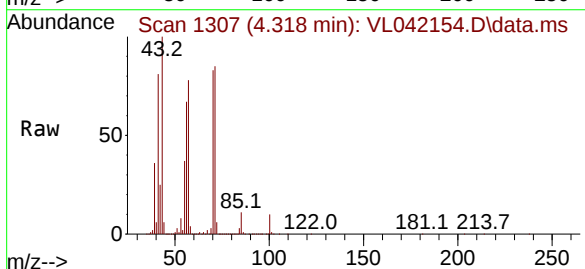
Instrument :
 MSVOA_L
 ClientSampleId :
 565-SG-1

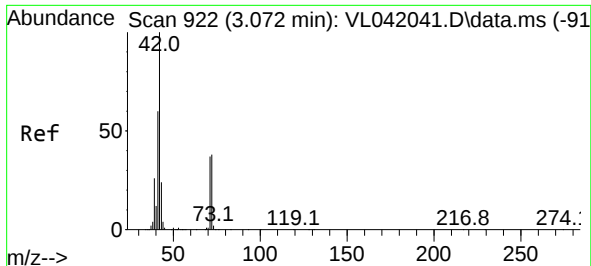
Tgt Ion: 62 Resp: 2144
 Ion Ratio Lower Upper
 62 100
 98 8037.7 5.7 8.5#



#39
 1,2-Dichloropropane
 Concen: 0.550 ppbv
 RT: 4.318 min Scan# 1307
 Delta R.T. -0.020 min
 Lab File: VL042154.D
 Acq: 17 Mar 2025 12:51

Tgt Ion: 63 Resp: 11498
 Ion Ratio Lower Upper
 63 100
 41 13492.2 60.1 90.1#
 62 49.7 55.8 83.8#

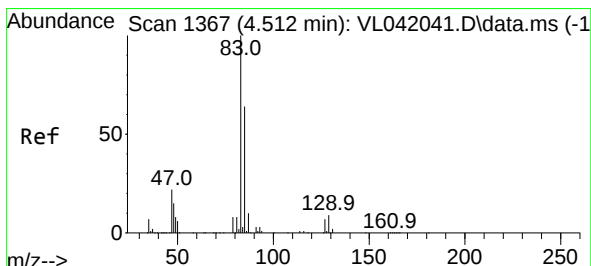
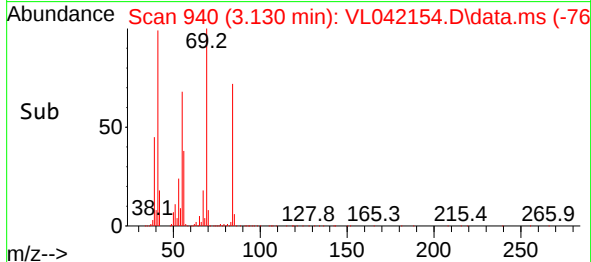
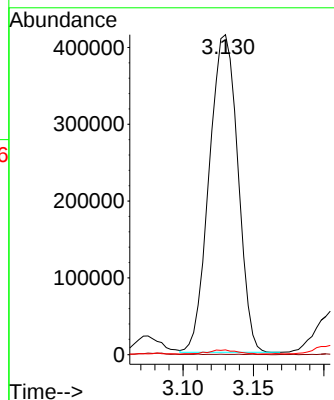
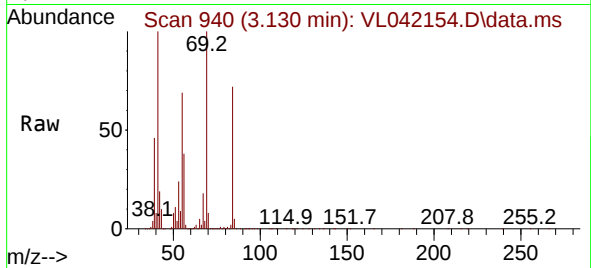




#41
Tetrahydrofuran
Concen: 24.229 ppbv
RT: 3.130 min Scan# 941
Delta R.T. 0.058 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

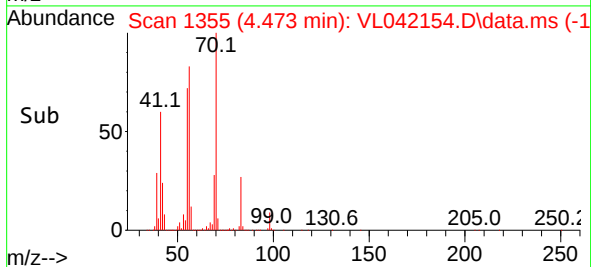
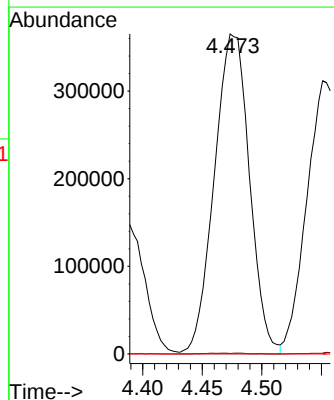
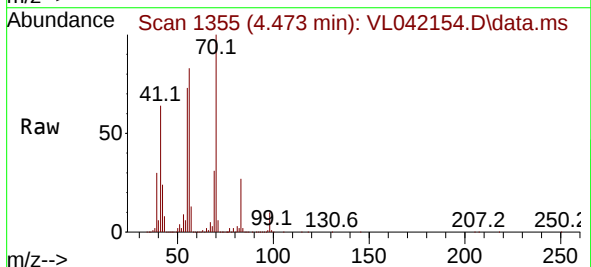
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

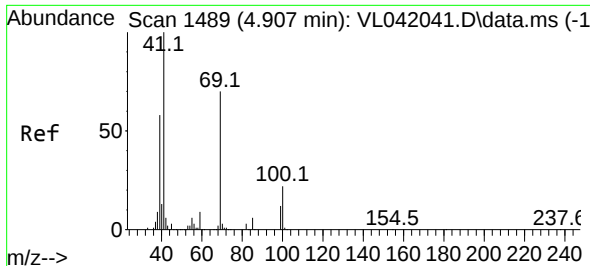
Tgt Ion: 42 Resp: 587025
Ion Ratio Lower Upper
42 100
72 0.4 30.2 45.2#
71 0.0 28.2 42.4#



#42
Bromodichloromethane
Concen: 18.196 ppbv
RT: 4.473 min Scan# 1355
Delta R.T. -0.039 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 83 Resp: 748943
Ion Ratio Lower Upper
83 100
85 0.2 51.4 77.2#
127 0.0 5.8 8.6#

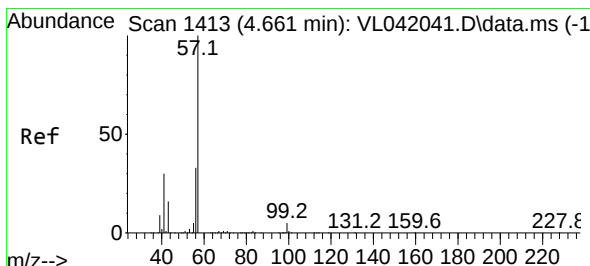
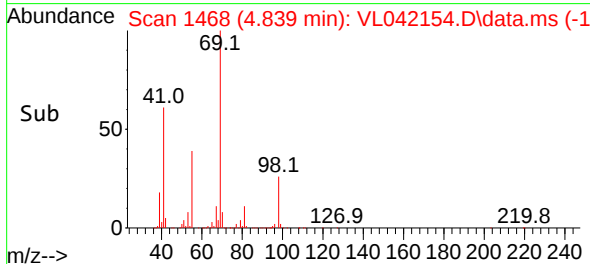
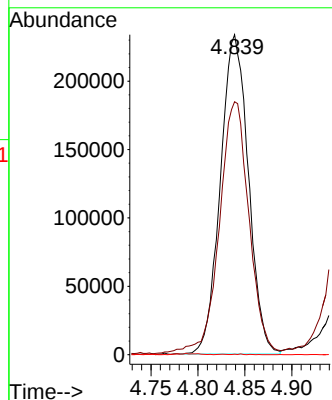
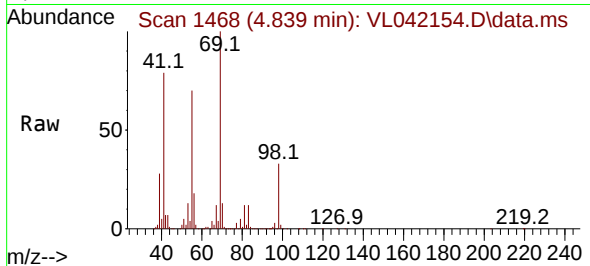




#43
Methyl Methacrylate
Concen: 22.461 ppbv
RT: 4.839 min Scan# 1489
Delta R.T. -0.068 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

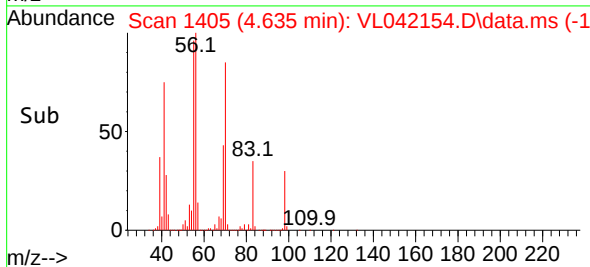
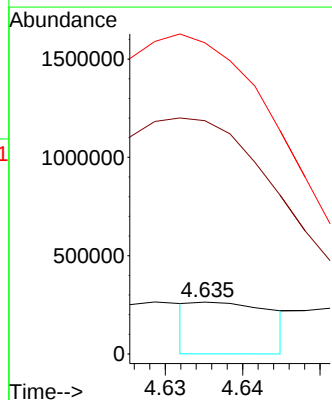
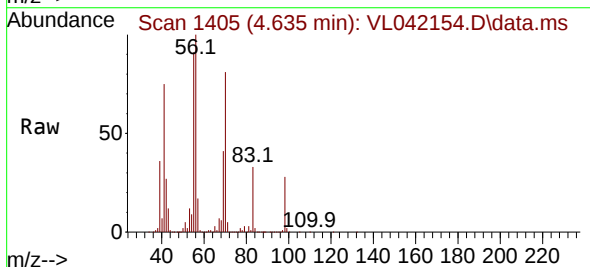
Instrument :
MSVOA_1
ClientSampleId :
565-SG-1

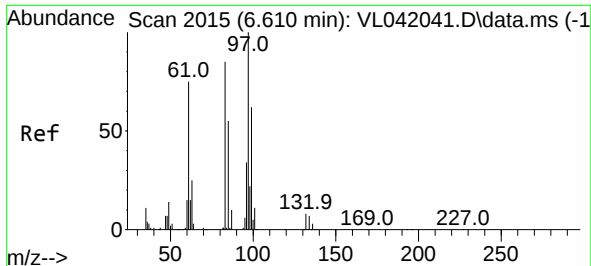
Tgt Ion: 69 Resp: 483309
Ion Ratio Lower Upper
69 100
41 82.5 118.2 177.4#
100 0.0 27.0 40.4#



#44
2,2,4-Trimethylpentane
Concen: 1.946 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.026 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 57 Resp: 189214
Ion Ratio Lower Upper
57 100
41 1788.8 24.4 36.6#
56 2214.0 26.5 39.7#





#47

1,1,2-Trichloroethane

Concen: 6.191 ppbv

RT: 6.503 min Scan# 1982

Delta R.T. -0.107 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

Instrument :

MSVOA_L

ClientSampleId :

565-SG-1

Tgt Ion: 97 Resp: 131446

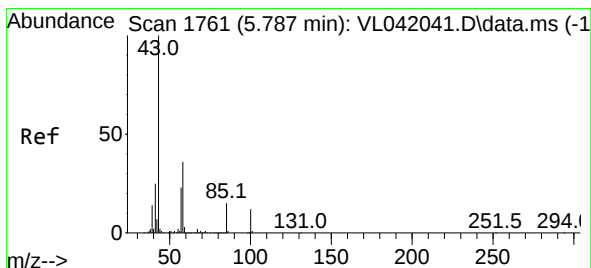
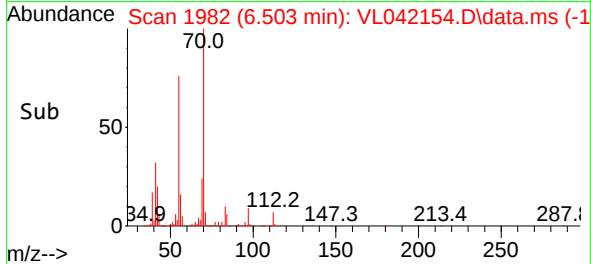
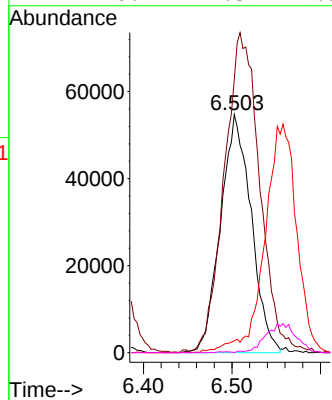
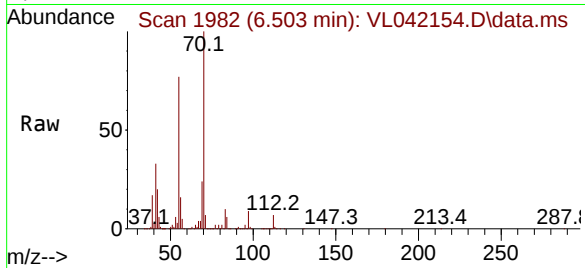
Ion Ratio Lower Upper

97 100

83 114.4 68.1 102.1#

85 5.0 44.0 66.0#

99 0.1 49.5 74.3#



#50

4-Methyl-2-Pentanone

Concen: 2.518 ppbv

RT: 5.820 min Scan# 1771

Delta R.T. 0.032 min

Lab File: VL042154.D

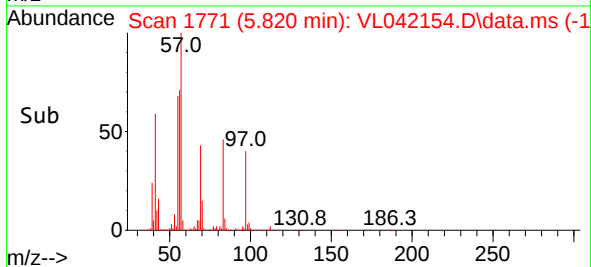
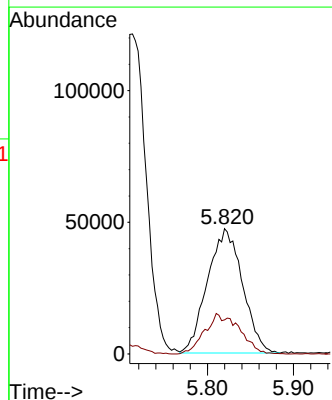
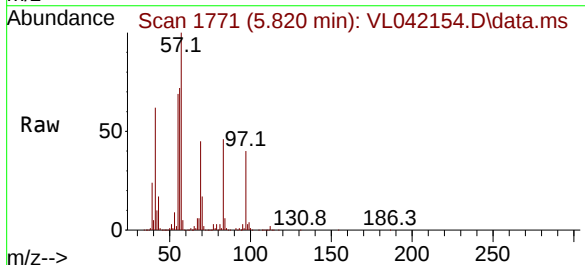
Acq: 17 Mar 2025 12:51

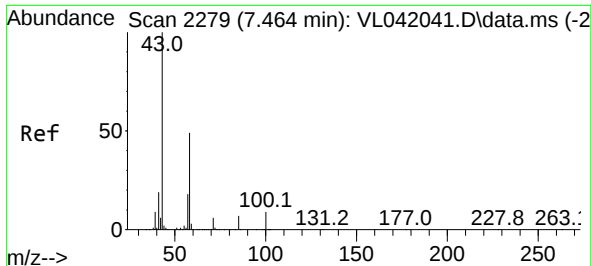
Tgt Ion: 43 Resp: 133553

Ion Ratio Lower Upper

43 100

58 32.2 29.3 43.9

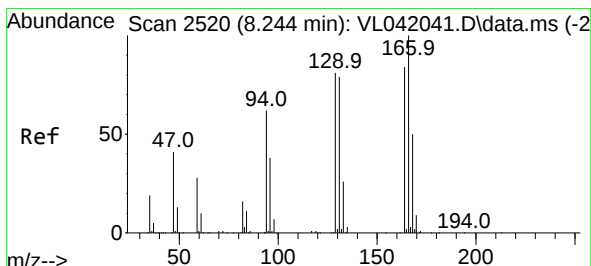
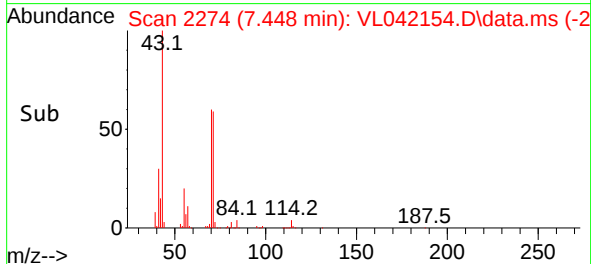
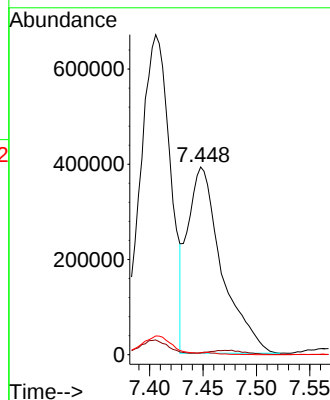
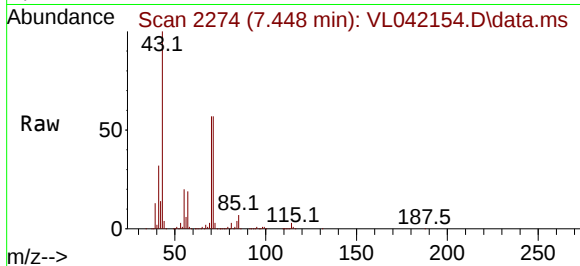




#51
2-Hexanone
Concen: 23.796 ppbv
RT: 7.448 min Scan# 211
Delta R.T. -0.016 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

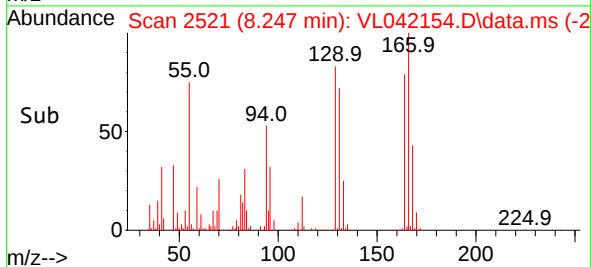
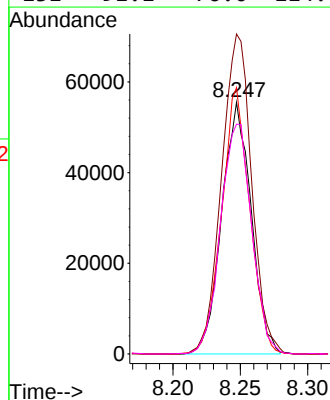
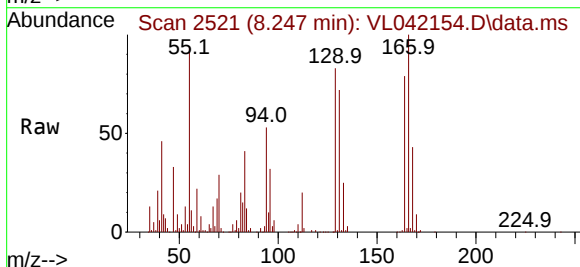
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

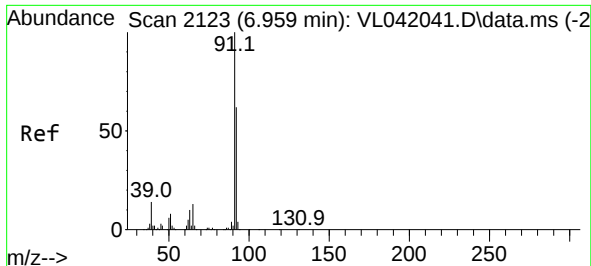
Tgt Ion: 43 Resp: 868528
Ion Ratio Lower Upper
43 100
58 2.6 39.0 58.6#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 4.465 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 164 Resp: 84220
Ion Ratio Lower Upper
164 100
166 127.2 95.7 143.5
129 105.7 77.1 115.7
131 91.1 76.0 114.0

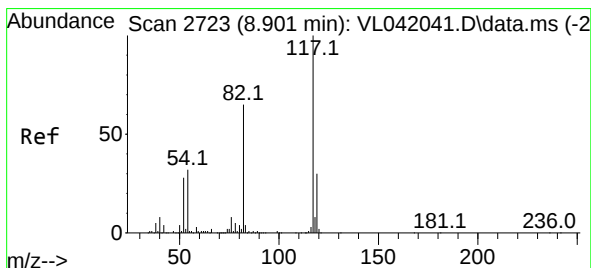
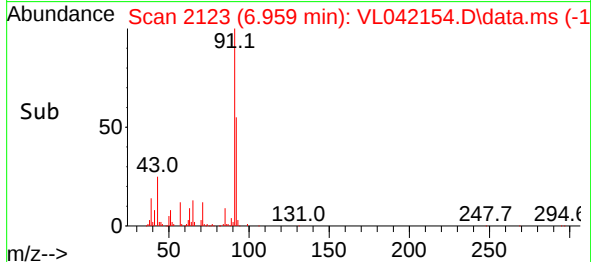
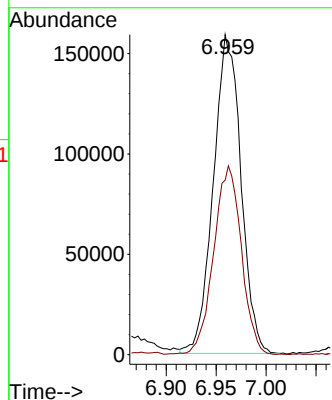
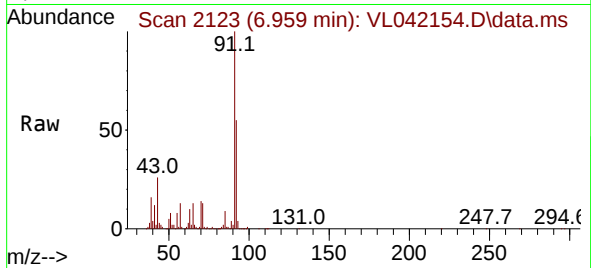




#53
Toluene
Concen: 4.958 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

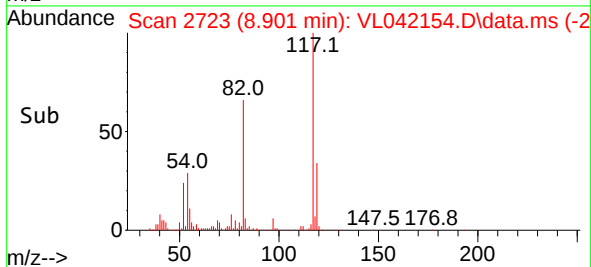
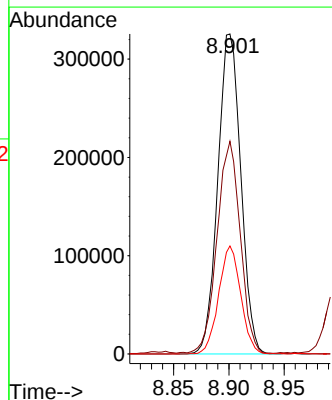
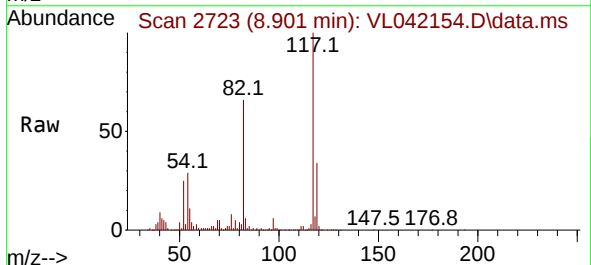
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

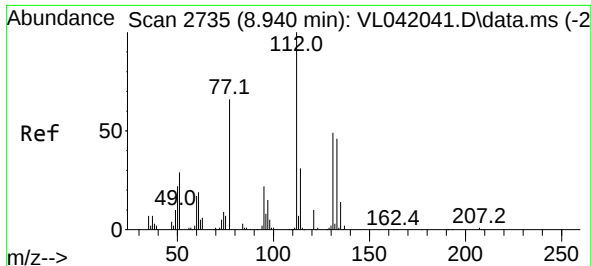
Tgt Ion: 91 Resp: 305311
Ion Ratio Lower Upper
91 100
92 59.5 49.0 73.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 117 Resp: 471205
Ion Ratio Lower Upper
117 100
82 66.6 55.0 82.6
119 32.3 25.9 38.9





#57

Chlorobenzene

Concen: 0.176 ppbv

RT: 8.891 min Scan# 21

Delta R.T. -0.049 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

Instrument :

MSVOA_1

ClientSampleId :

565-SG-1

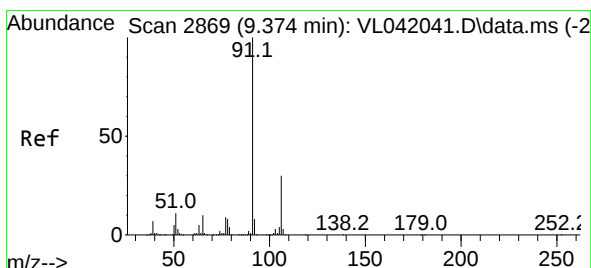
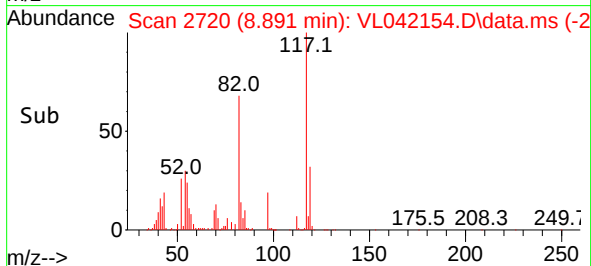
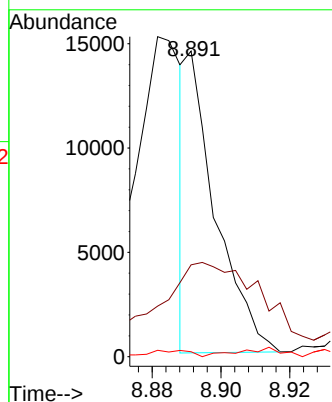
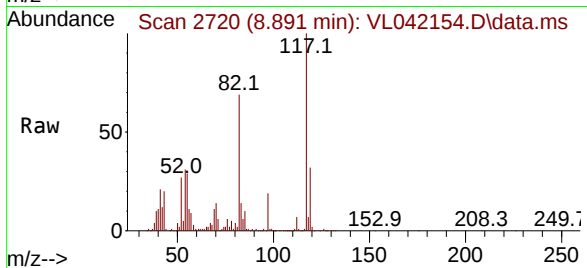
Tgt Ion:112 Resp: 8584

Ion Ratio Lower Upper

112 100

77 12.6 53.4 80.2#

114 0.5 28.3 34.5#



#58

Ethyl Benzene

Concen: 2.675 ppbv

RT: 9.374 min Scan# 2869

Delta R.T. -0.000 min

Lab File: VL042154.D

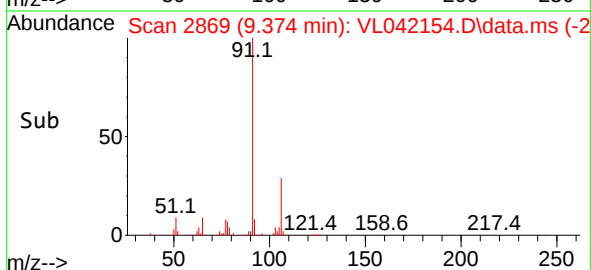
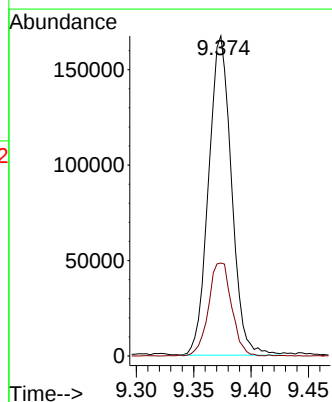
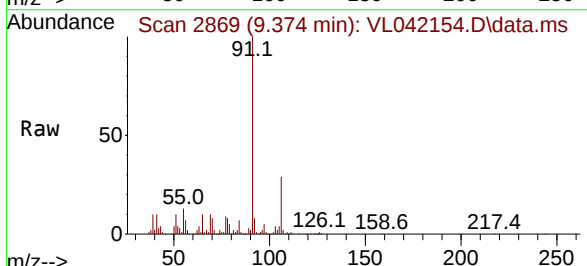
Acq: 17 Mar 2025 12:51

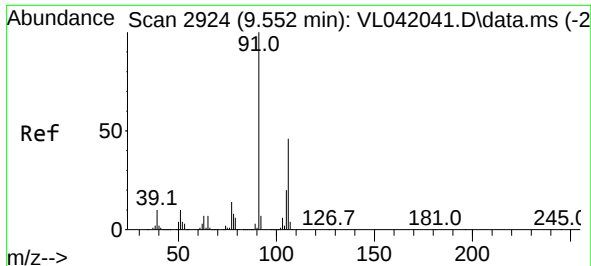
Tgt Ion: 91 Resp: 232110

Ion Ratio Lower Upper

91 100

106 29.0 24.2 36.2





#59

m/p-Xylene

Concen: 9.741 ppbv

RT: 9.548 min Scan# 2924

Delta R.T. -0.003 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

Instrument :

MSVOA_1

ClientSampleId :

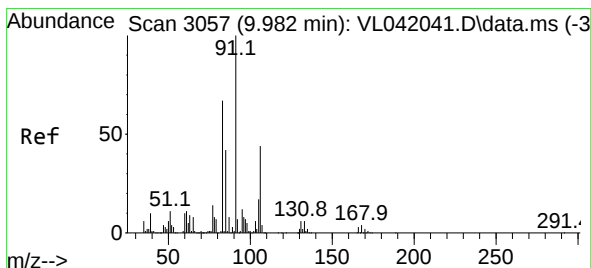
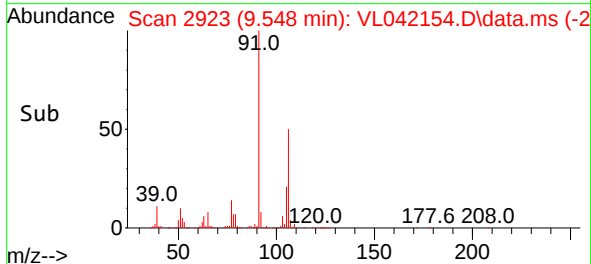
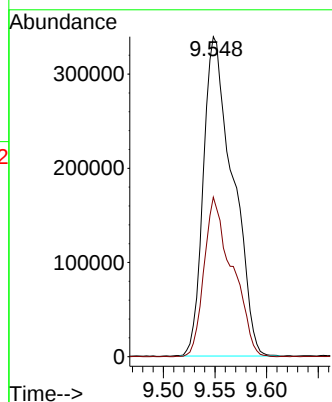
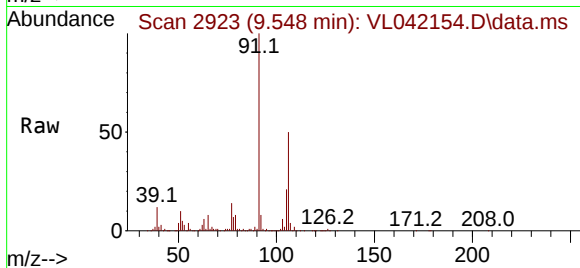
565-SG-1

Tgt Ion: 91 Resp: 672715

Ion Ratio Lower Upper

91 100

106 47.9 0.0 0.0#



#60

o-Xylene

Concen: 2.898 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. -0.000 min

Lab File: VL042154.D

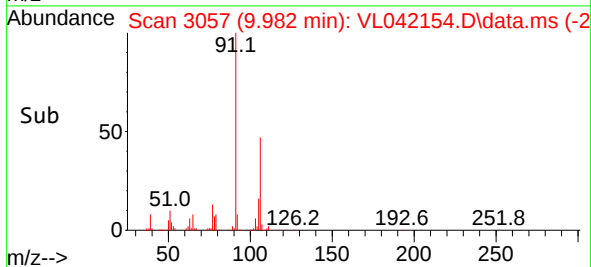
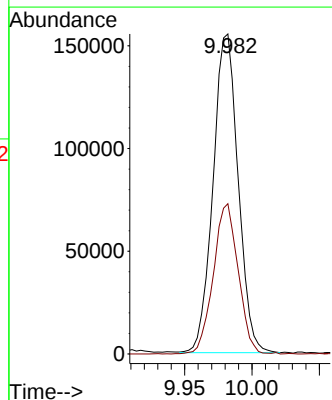
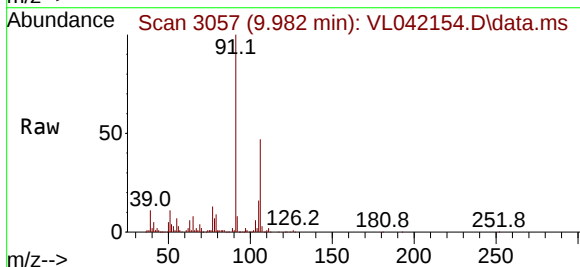
Acq: 17 Mar 2025 12:51

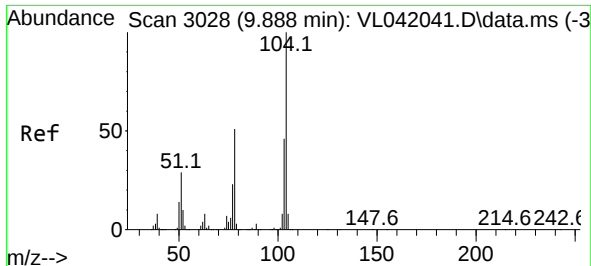
Tgt Ion: 91 Resp: 201180

Ion Ratio Lower Upper

91 100

106 46.7 22.3 66.8

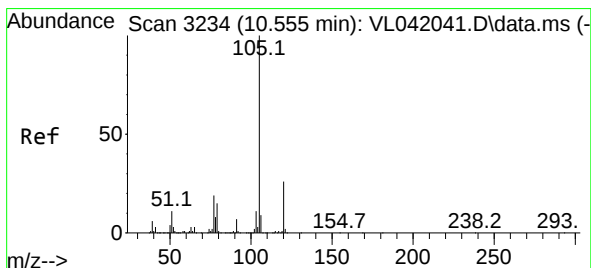
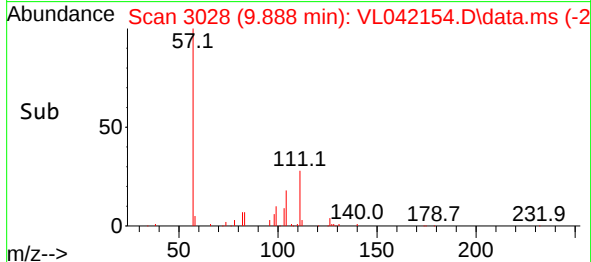
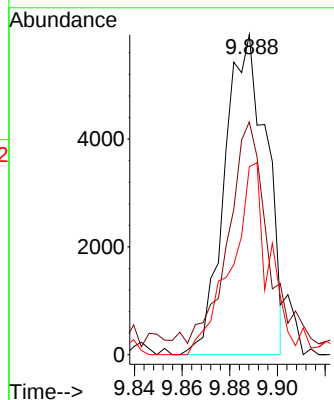
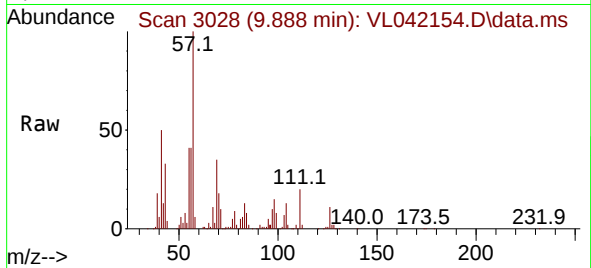




#61
Styrene
Concen: 0.221 ppbv
RT: 9.888 min Scan# 3028
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

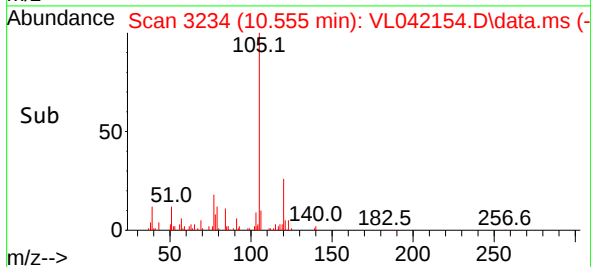
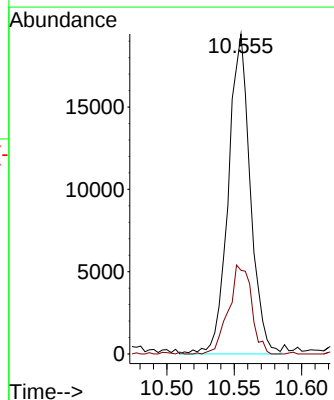
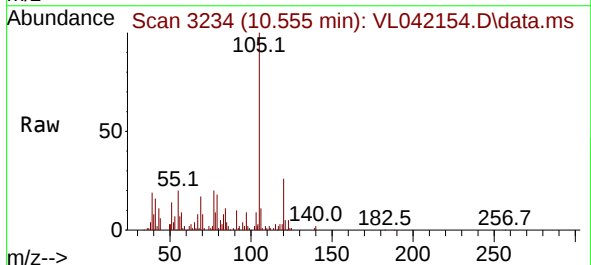
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

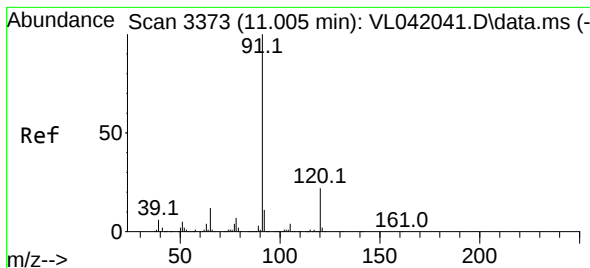
Tgt Ion:104 Resp: 7224
Ion Ratio Lower Upper
104 100
78 77.0 41.0 61.4#
103 57.5 37.0 55.6#



#62
Isopropylbenzene
Concen: 0.212 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:105 Resp: 22053
Ion Ratio Lower Upper
105 100
120 29.4 20.7 31.1





#64

n-propylbenzene

Concen: 0.216 ppbv

RT: 11.002 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

Instrument :

MSVOA_1

ClientSampleId :

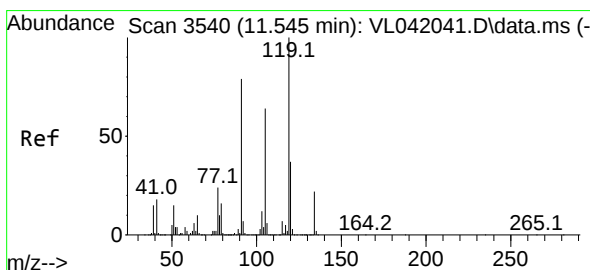
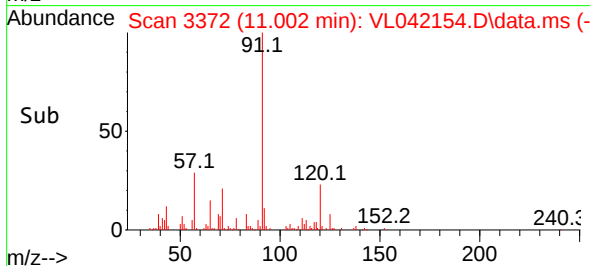
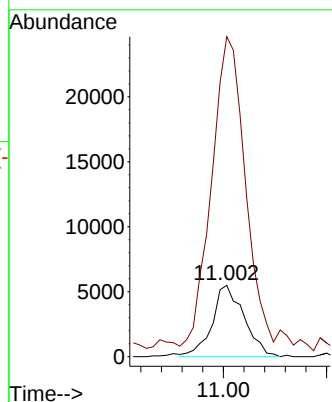
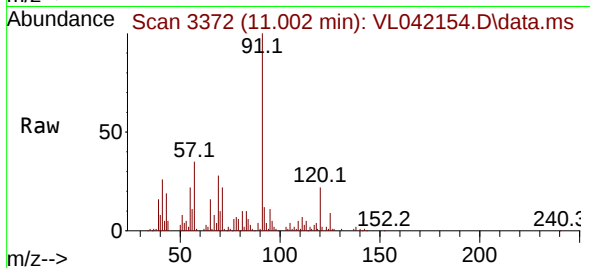
565-SG-1

Tgt Ion:120 Resp: 5898

Ion Ratio Lower Upper

120 100

91 507.1 370.6 556.0



#65

tert-Butylbenzene

Concen: 0.091 ppbv

RT: 11.892 min Scan# 3647

Delta R.T. 0.346 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

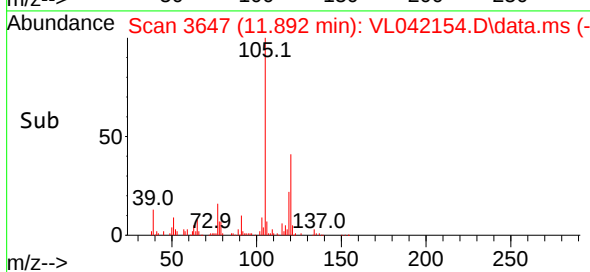
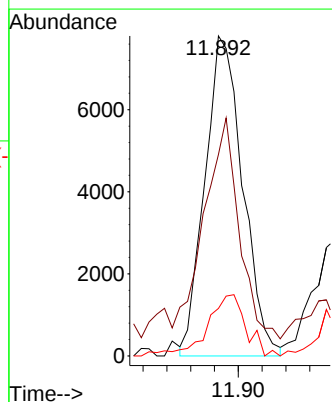
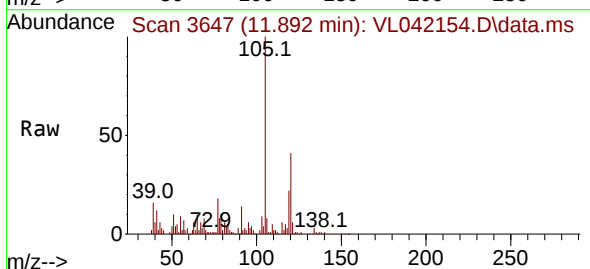
Tgt Ion:119 Resp: 8598

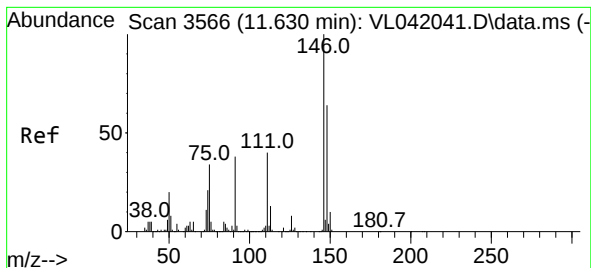
Ion Ratio Lower Upper

119 100

91 72.4 64.2 96.2

134 19.9 17.4 26.2

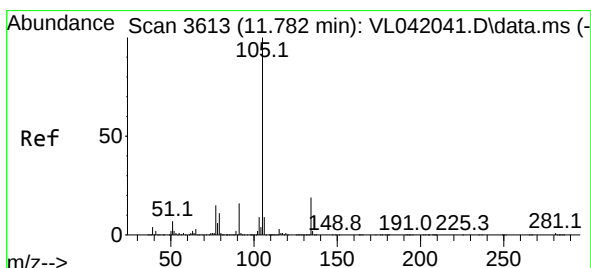
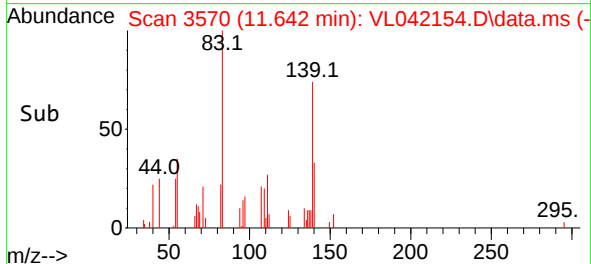
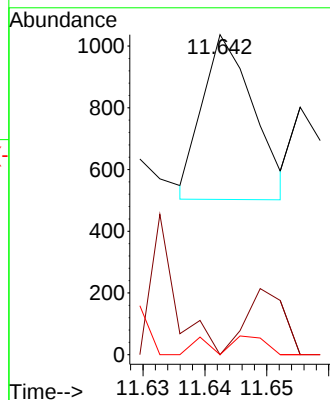
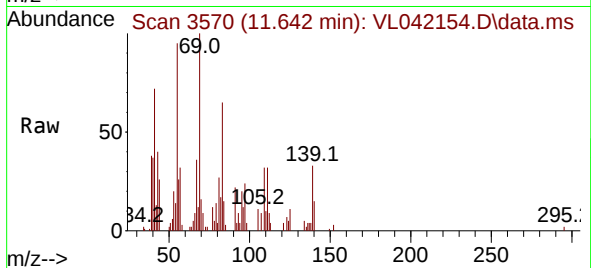




#66
Benzyl Chloride
Concen: 0.042 ppbv
RT: 11.642 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

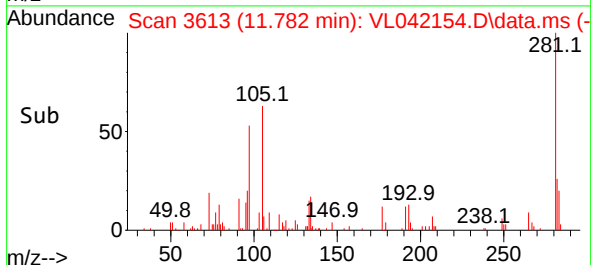
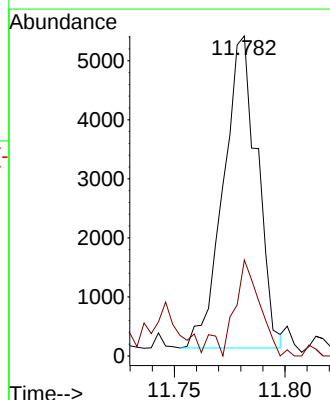
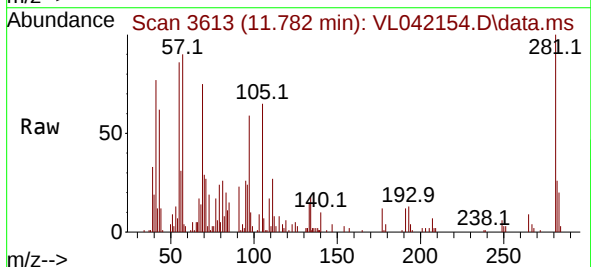
Instrument :
MSVOA_1
ClientSampleId :
565-SG-1

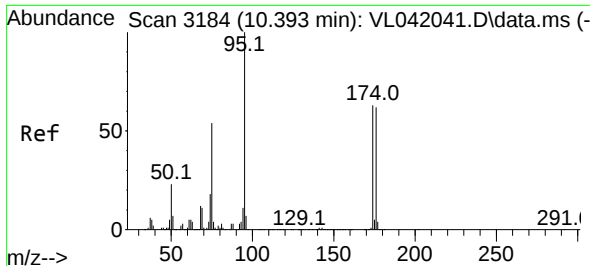
Tgt Ion: 91 Resp: 306
Ion Ratio Lower Upper
91 100
126 90.8 14.5 21.7#
128 20.9 5.4 8.2#



#67
sec-Butylbenzene
Concen: 0.041 ppbv
RT: 11.782 min Scan# 3613
Delta R.T. -0.000 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 105 Resp: 5614
Ion Ratio Lower Upper
105 100
134 41.1 14.9 22.3#

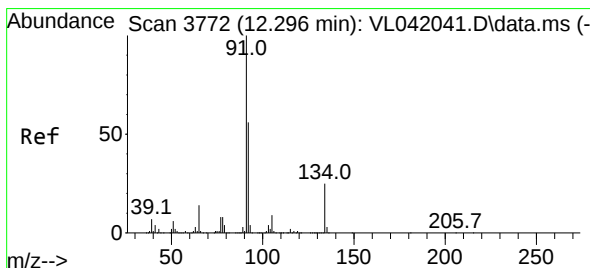
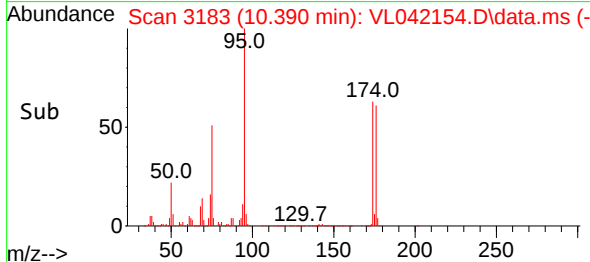
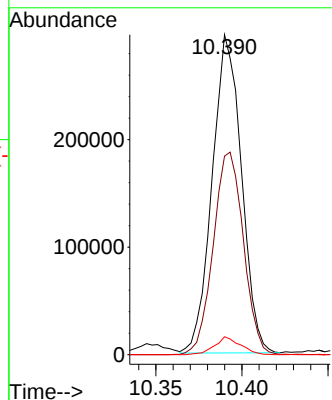
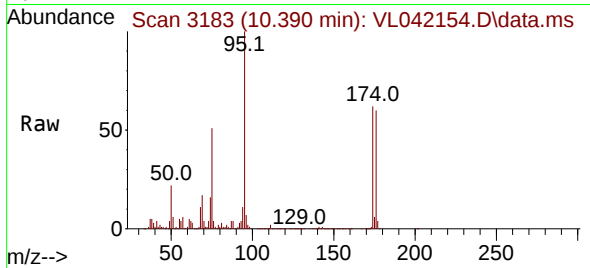




#68
1-Bromo-4-Fluorobenzene
Concen: 9.647 ppbv
RT: 10.390 min Scan# 3184
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

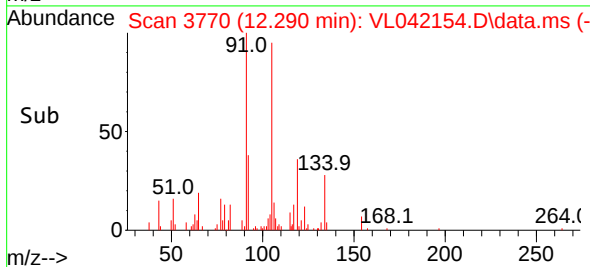
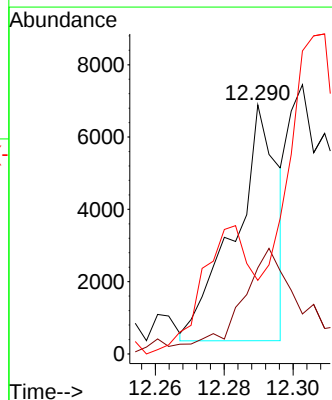
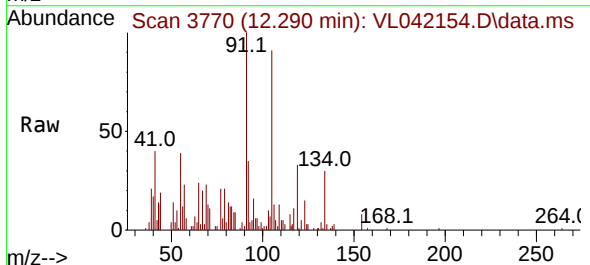
Instrument :
MSVOA_L
ClientSampleId :
565-SG-1

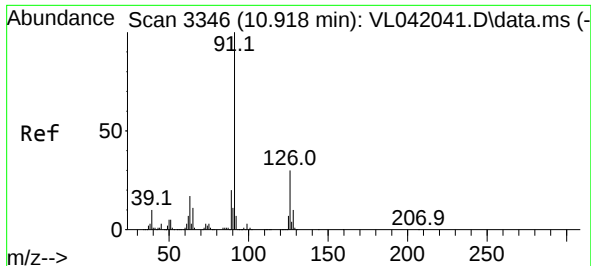
Tgt Ion: 95 Resp: 349708
Ion Ratio Lower Upper
95 100
174 65.7 51.8 77.6
175 5.0 3.9 5.9



#70
n-Butylbenzene
Concen: 0.052 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. -0.007 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion: 91 Resp: 5711
Ion Ratio Lower Upper
91 100
92 75.8 44.7 67.1#
134 0.0 18.9 28.3#

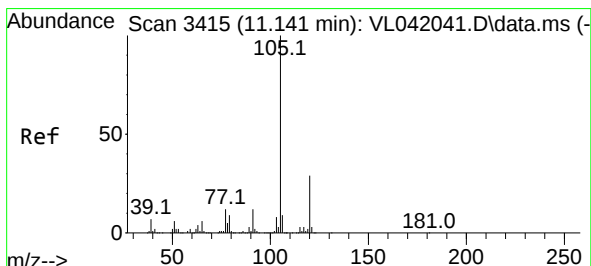
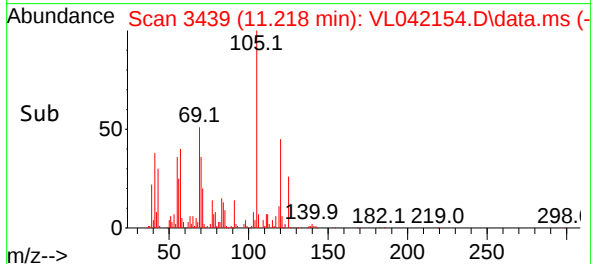
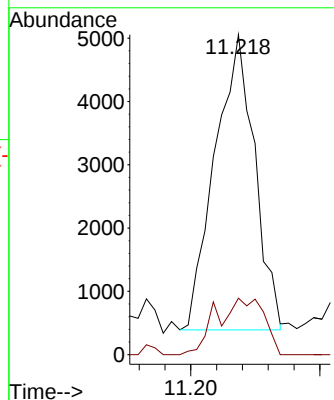
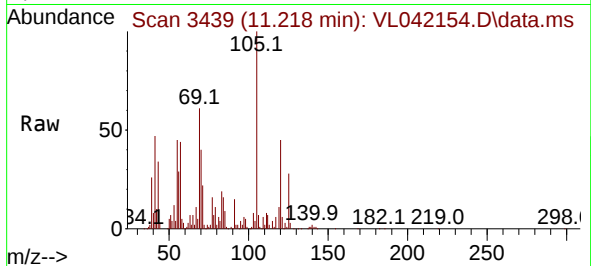




#71
2-Chlorotoluene
Concen: 0.062 ppbv
RT: 11.218 min Scan# 3414
Delta R.T. 0.301 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

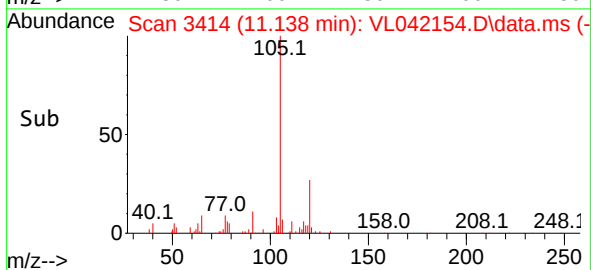
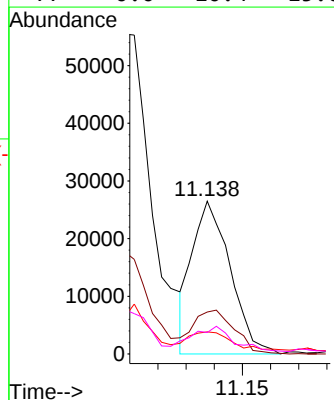
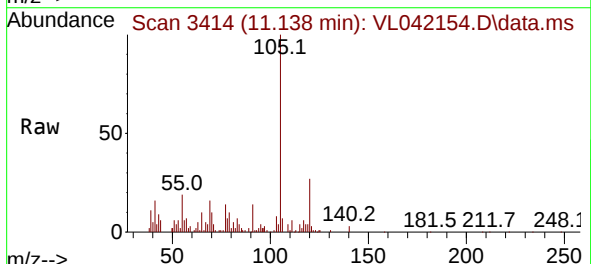
Instrument :
MSVOA_1
ClientSampleId :
565-SG-1

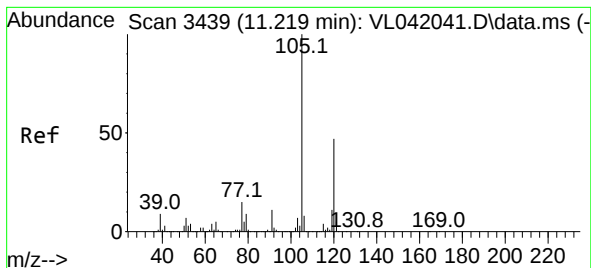
Tgt Ion: 91 Resp: 4983
Ion Ratio Lower Upper
91 100
126 24.1 11.9 47.5



#72
4-Ethyltoluene
Concen: 0.294 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042154.D
Acq: 17 Mar 2025 12:51

Tgt Ion:105 Resp: 24902
Ion Ratio Lower Upper
105 100
120 0.0 24.1 36.1#
91 0.0 10.2 15.4#
77 0.0 10.4 15.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.517 ppbv

RT: 11.215 min Scan# 3439

Delta R.T. -0.003 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

Instrument :

MSVOA_1

ClientSampleId :

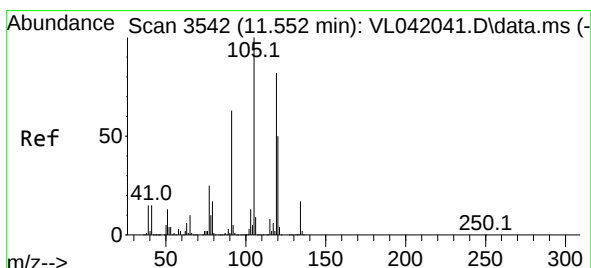
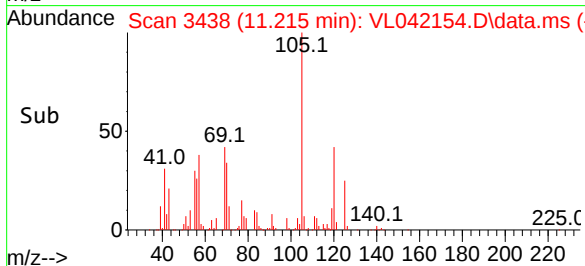
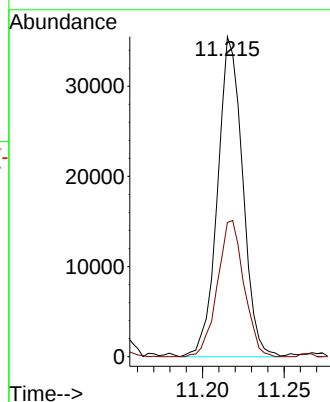
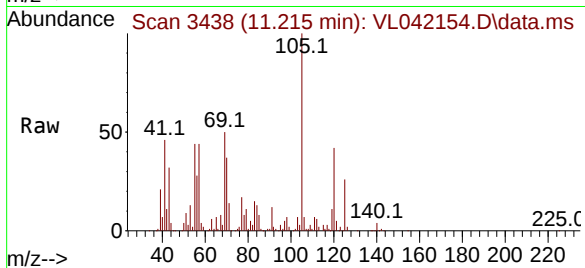
565-SG-1

Tgt Ion:105 Resp: 38025

Ion Ratio Lower Upper

105 100

120 41.9 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 0.902 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042154.D

Acq: 17 Mar 2025 12:51

Tgt Ion:105 Resp: 74719

Ion Ratio Lower Upper

105 100

120 43.8 40.2 60.2

91 9.9 51.4 77.2#

77 13.2 20.1 30.1#

