

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042158.D
 Acq On : 17 Mar 2025 15:19
 Operator : SY/MD
 Sample : Q1586-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 557-SG-2

Quant Time: Mar 18 01:26:19 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	2.800	49	163274	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	382025	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	334931	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	264151	10.251	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.500%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.502	85	9601	0.565	ppbv	96
3) Chlorodifluoromethane	1.479	51	13012	0.548	ppbv #	86
4) Chloromethane	1.538	50	1815	0.289	ppbv	97
9) Propene	1.489	41	7485	0.774	ppbv	91
10) Heptane	5.011	43	1107	0.037	ppbv #	28
11) Trichlorofluoromethane	1.884	101	5041	0.296	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	1022	0.075	ppbv #	77
13) Ethanol	1.735	45	403900	658.155	ppbv	92
15) Acetone	1.845	43	218573	15.159	ppbv	96
16) 1,3-Butadiene	1.625	39	5162	0.769	ppbv #	30
17) tert-Butyl alcohol	2.059	59	10351	0.574	ppbv	97
19) Isopropyl Alcohol	1.900	45	39394	4.756	ppbv #	1
20) Methylene Chloride	2.068	84	3246	0.595	ppbv #	92
21) Allyl Chloride	2.085	41	1458	0.140	ppbv #	28
23) Vinyl Acetate	2.483	43	30164	2.975	ppbv #	51
25) Ethyl Acetate	2.858	43	3304	0.057	ppbv #	1
26) Hexane	2.835	57	16293	0.698	ppbv #	38
27) Carbon Disulfide	2.159	76	38336	2.424	ppbv #	65
29) Chloroform	2.861	83	268454	8.549	ppbv	99
30) Cyclohexane	3.878	84	1555	0.082	ppbv #	1
31) cis-1,2-Dichloroethene	2.735	61	3117	0.141	ppbv #	89
34) 2-Butanone	2.573	43	38525	1.294	ppbv	98
35) Carbon Tetrachloride	3.781	117	2456	0.093	ppbv #	96
36) Benzene	3.674	78	138238	3.457	ppbv	97
38) Trichloroethene	4.570	130	4011	0.246	ppbv	92
39) 1,2-Dichloropropane	3.975	63	96425	6.352	ppbv #	24
41) Tetrahydrofuran	3.078	42	828	0.047	ppbv #	38
42) Bromodichloromethane	4.506	83	4737	0.159	ppbv #	98
51) 2-Hexanone	7.464	43	893	0.034	ppbv #	16
52) Tetrachloroethene	8.244	164	179431	13.106	ppbv	97
53) Toluene	6.949	91	4024	0.090	ppbv #	20
59) m/p-Xylene	9.552	91	4835	0.099	ppbv #	100
60) o-Xylene	9.979	91	2357	0.048	ppbv #	59
62) Isopropylbenzene	10.555	105	45133	0.611	ppbv	98
65) tert-Butylbenzene	11.545	119	2382	0.035	ppbv #	11
66) Benzyl Chloride	11.623	91	424	0.083	ppbv #	65
69) p-Isopropyltoluene	11.937	119	4286	0.056	ppbv #	50
70) n-Butylbenzene	12.303	91	11208	0.143	ppbv #	18
72) 4-Ethyltoluene	11.134	105	2554	0.042	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.212	105	2119	0.041	ppbv	90
74) 1,2,4-Trimethylbenzene	11.549	105	20132	0.342	ppbv #	63
79) Naphthalene	13.526	128	31084	0.770	ppbv #	93
80) Naphthalene,2-methyl-	14.468	142	3244	0.294	ppbv #	44

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
557-SG-2

Quant Time: Mar 18 01:26:19 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

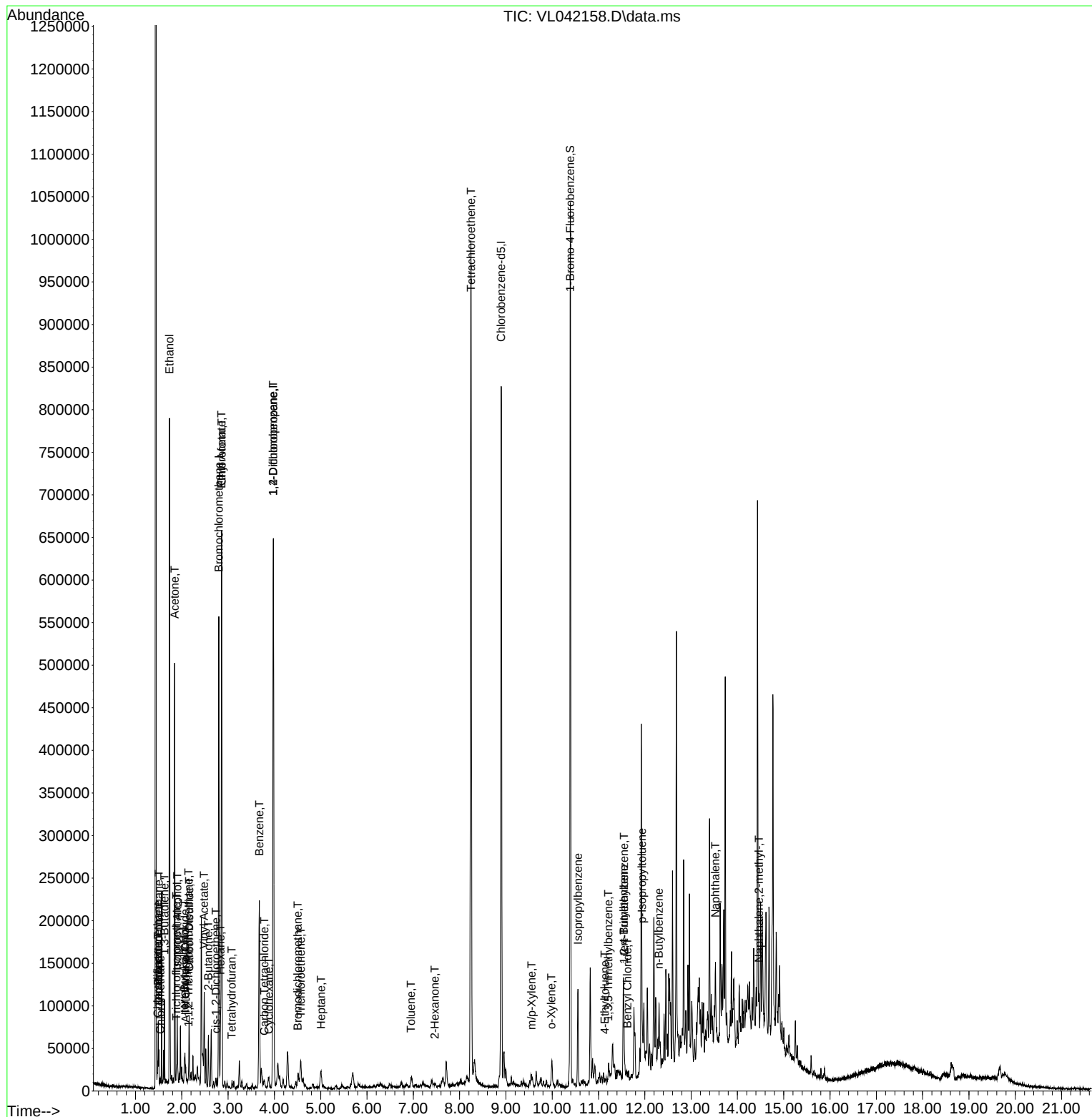
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

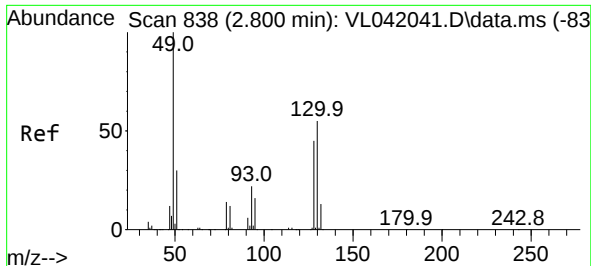
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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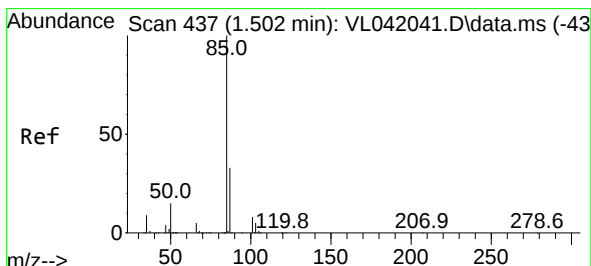
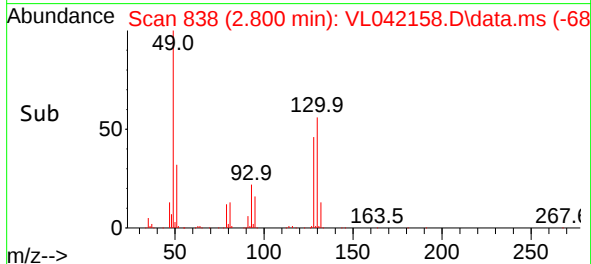
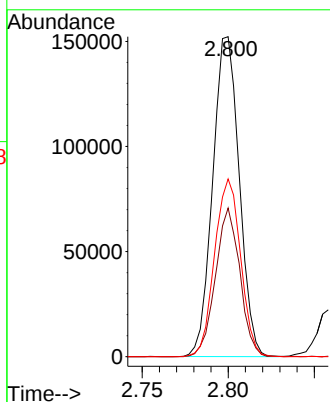
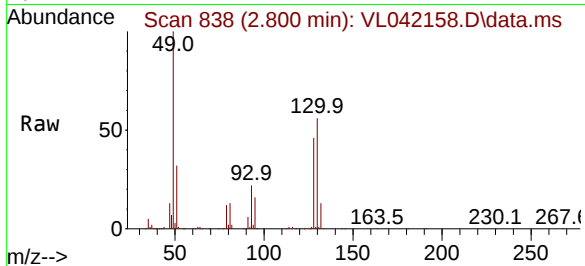




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.800 min Scan# 838
 Delta R.T. -0.000 min
 Lab File: VL042158.D
 Acq: 17 Mar 2025 15:19

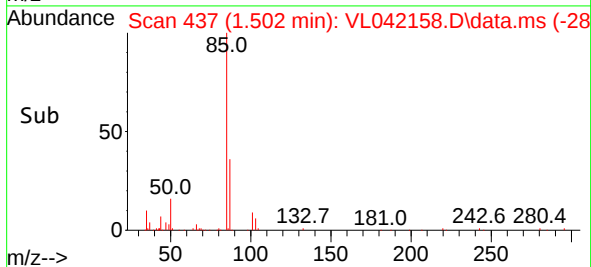
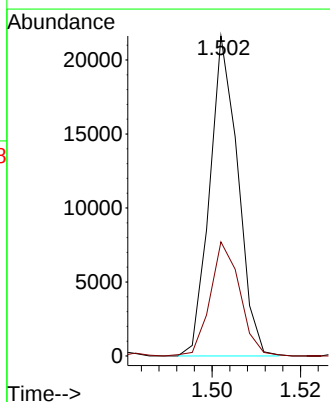
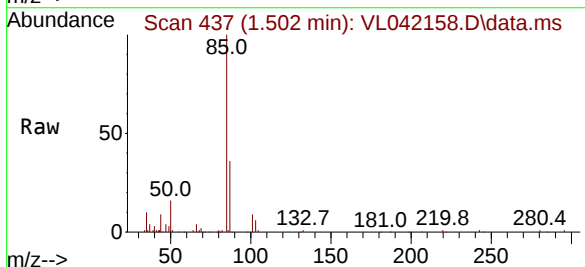
Instrument :
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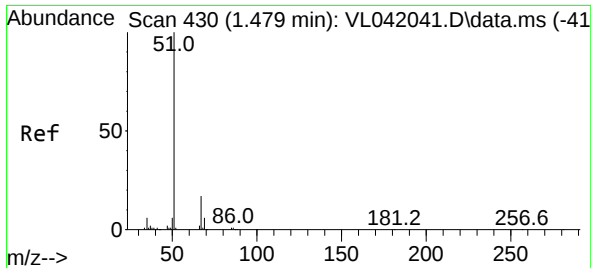
Tgt Ion: 49 Resp: 163274
 Ion Ratio Lower Upper
 49 100
 128 42.9 21.6 64.8
 130 54.4 27.8 83.4



#2
 Dichlorodifluoromethane
 Concen: 0.565 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. -0.000 min
 Lab File: VL042158.D
 Acq: 17 Mar 2025 15:19

Tgt Ion: 85 Resp: 9601
 Ion Ratio Lower Upper
 85 100
 87 35.3 26.4 39.6

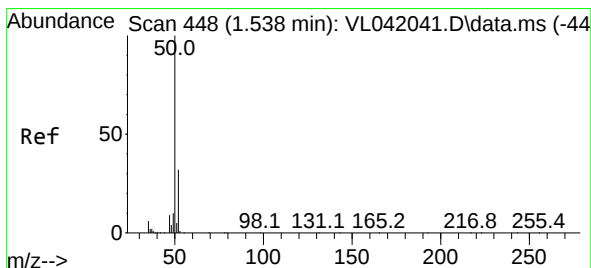
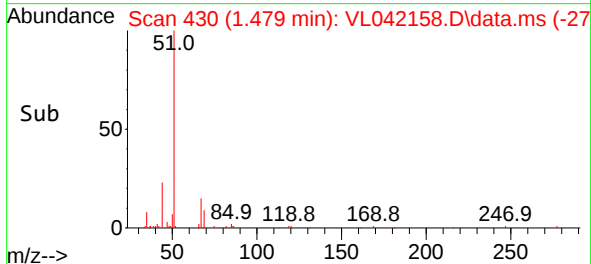
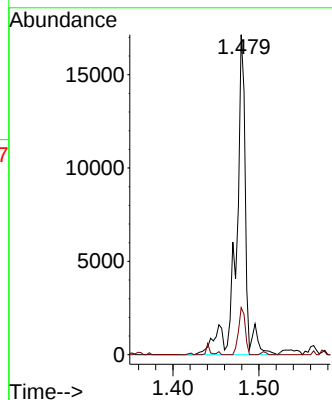
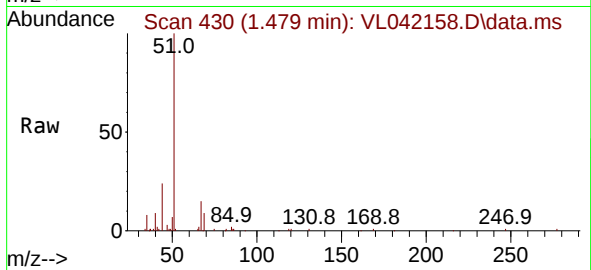




#3
Chlorodifluoromethane
Concen: 0.548 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

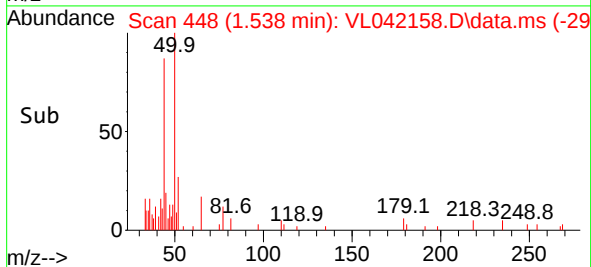
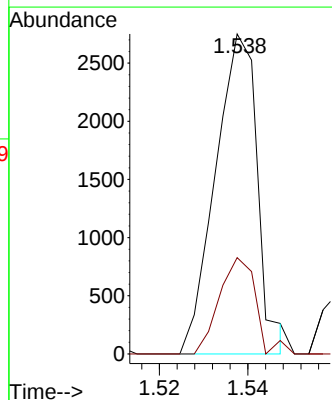
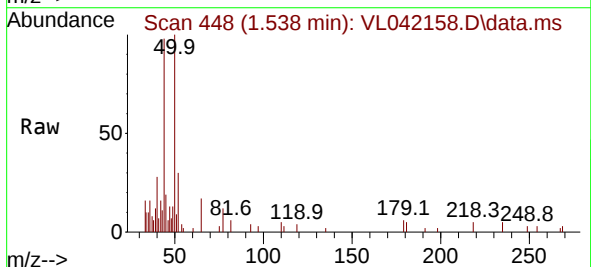
Instrument :
MSVOA_1
ClientSampleId :
557-SG-2

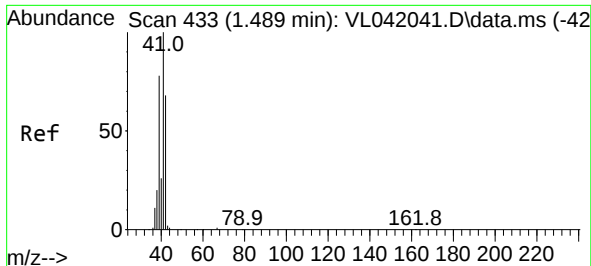
Tgt Ion: 51 Resp: 13012
Ion Ratio Lower Upper
51 100
67 10.8 13.7 20.5#



#4
Chloromethane
Concen: 0.289 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 50 Resp: 1815
Ion Ratio Lower Upper
50 100
52 30.1 25.4 38.0





#9

Propene

Concen: 0.774 ppbv

RT: 1.489 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042158.D

Acq: 17 Mar 2025 15:19

Instrument :

MSVOA_1

ClientSampleId :

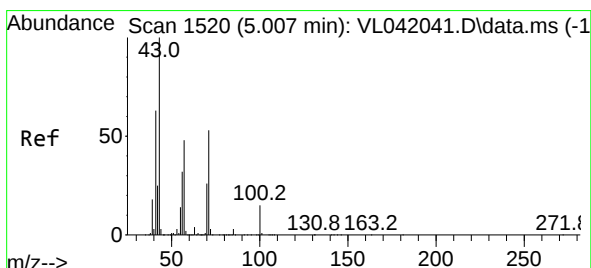
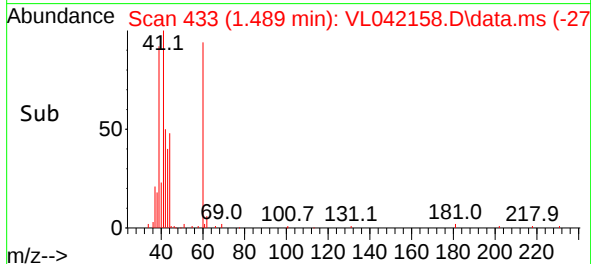
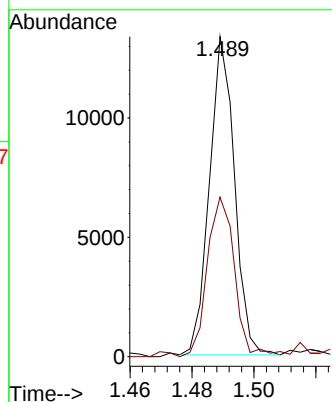
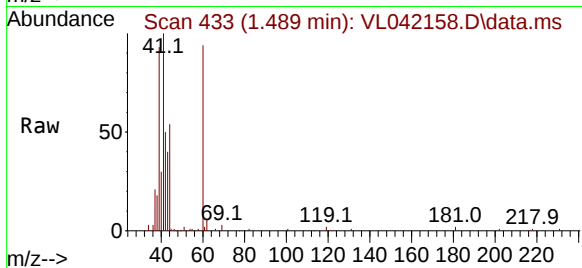
557-SG-2

Tgt Ion: 41 Resp: 7485

Ion Ratio Lower Upper

41 100

42 62.5 55.8 83.6



#10

Heptane

Concen: 0.037 ppbv

RT: 5.011 min Scan# 1521

Delta R.T. 0.003 min

Lab File: VL042158.D

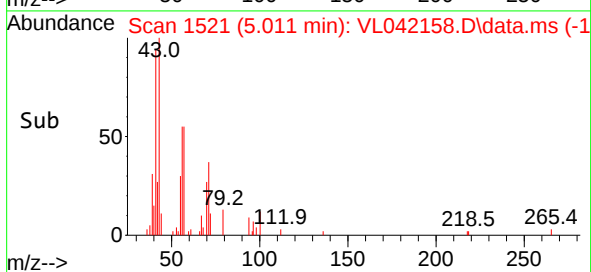
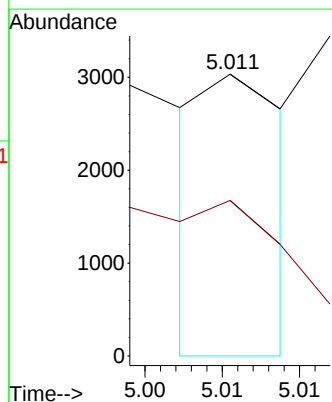
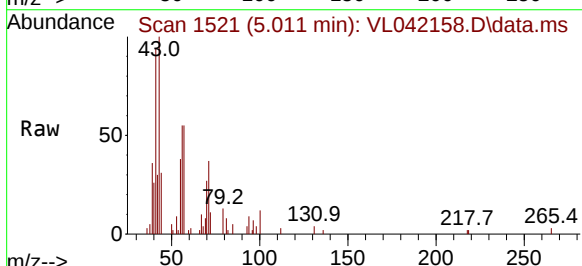
Acq: 17 Mar 2025 15:19

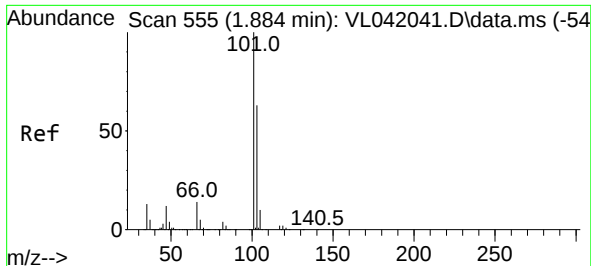
Tgt Ion: 43 Resp: 1107

Ion Ratio Lower Upper

43 100

57 0.0 39.4 59.0#

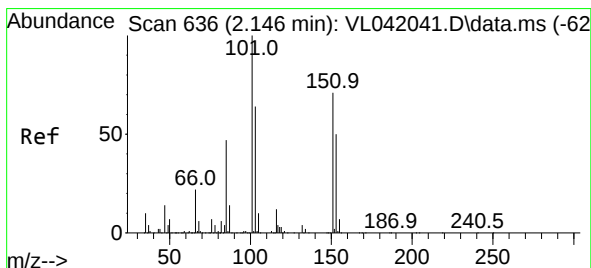
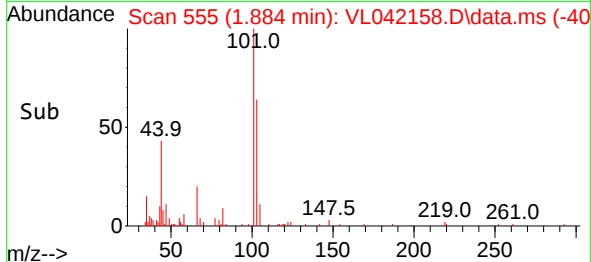
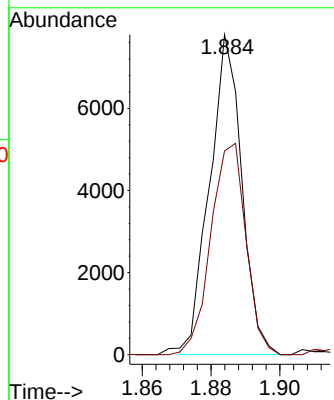
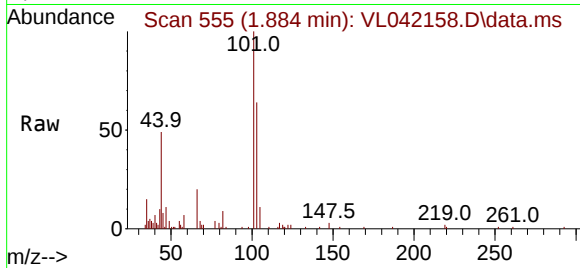




#11
 Trichlorofluoromethane
 Concen: 0.296 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042158.D
 Acq: 17 Mar 2025 15:19

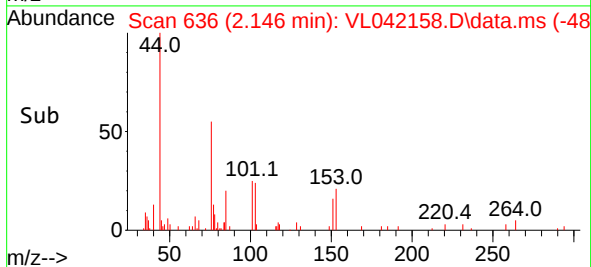
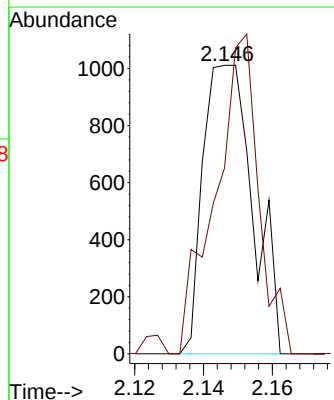
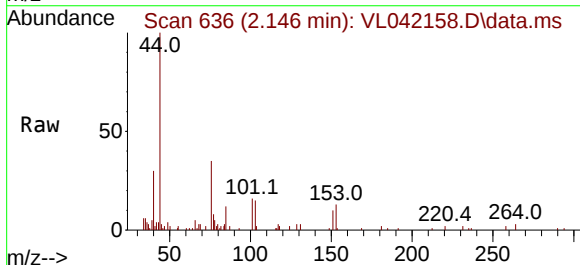
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 557-SG-2

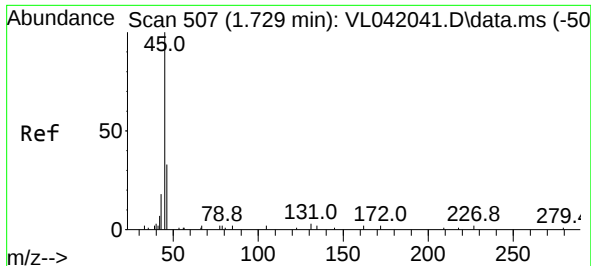
Tgt Ion:101 Resp: 5041
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.075 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. -0.000 min
 Lab File: VL042158.D
 Acq: 17 Mar 2025 15:19

Tgt Ion:101 Resp: 1022
 Ion Ratio Lower Upper
 101 100
 151 98.3 62.6 94.0#

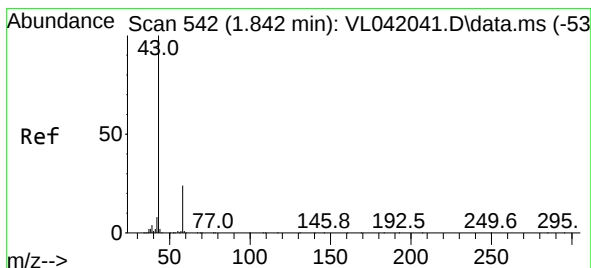
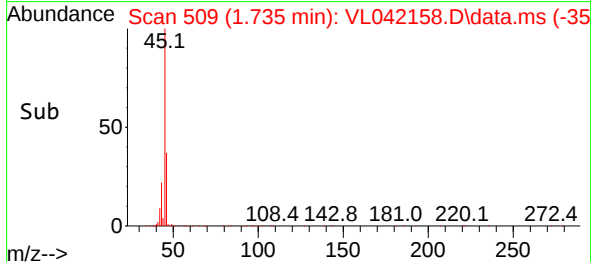
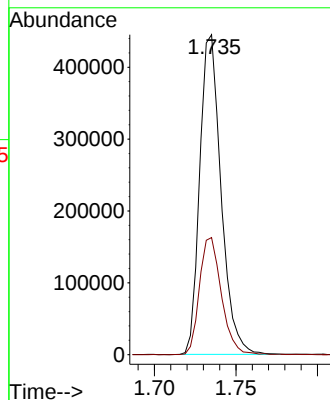
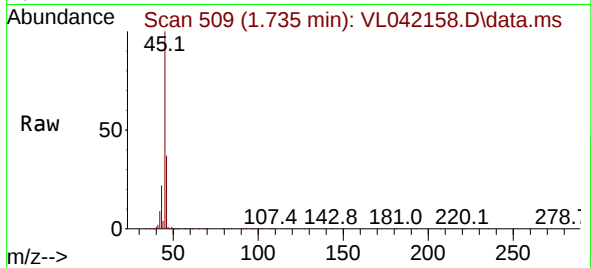




#13
Ethanol
Concen: 658.155 ppbv
RT: 1.735 min Scan# 509
Delta R.T. 0.006 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

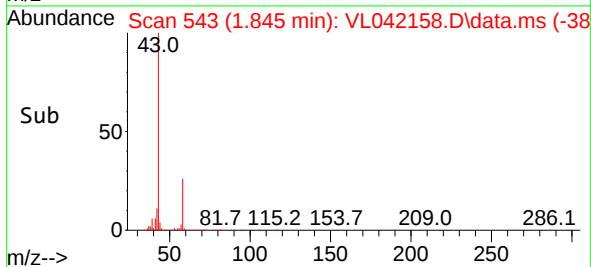
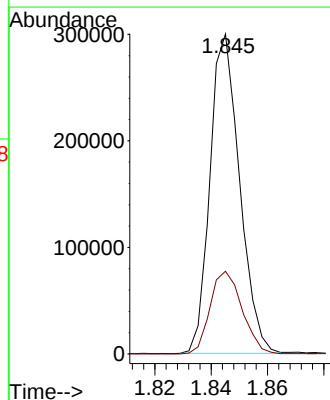
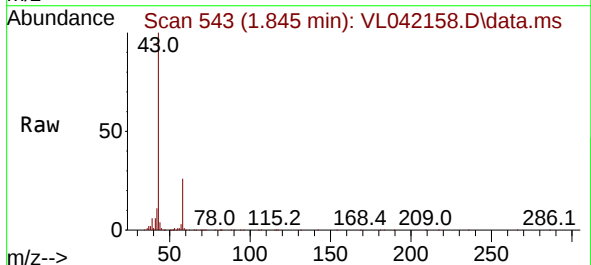
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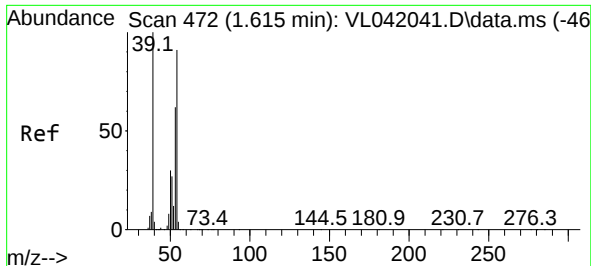
Tgt Ion: 45 Resp: 403900
Ion Ratio Lower Upper
45 100
46 37.8 17.1 68.3



#15
Acetone
Concen: 15.159 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 43 Resp: 218573
Ion Ratio Lower Upper
43 100
58 28.1 20.7 31.1

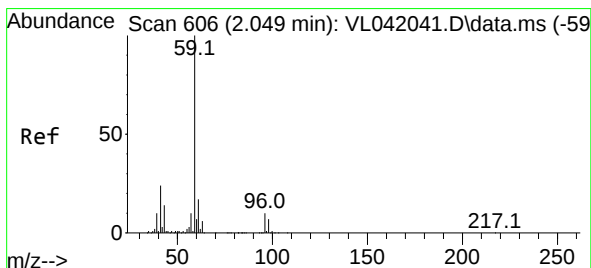
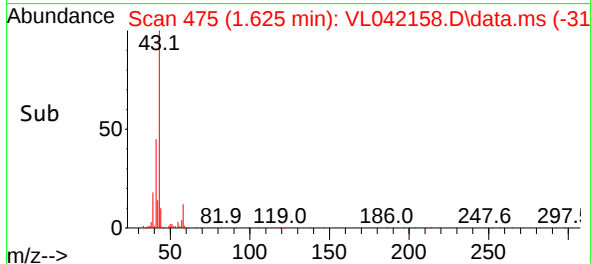
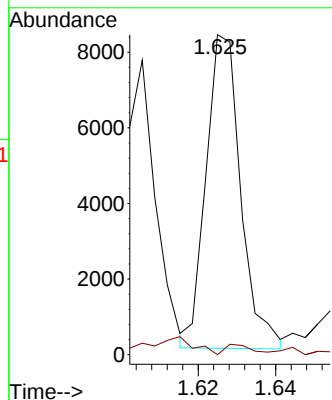
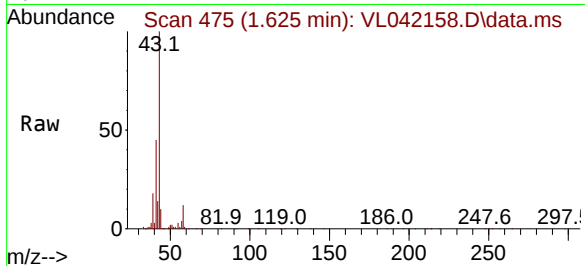




#16
1,3-Butadiene
Concen: 0.769 ppbv
RT: 1.625 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

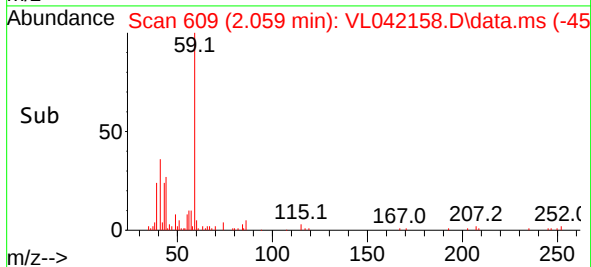
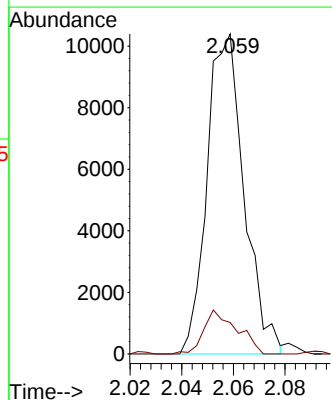
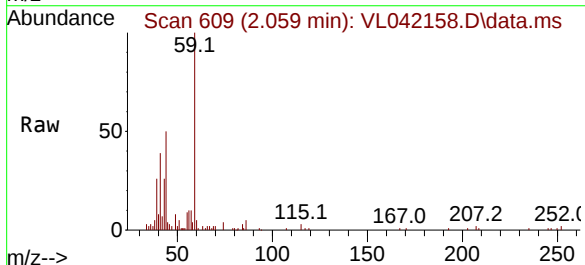
Instrument :
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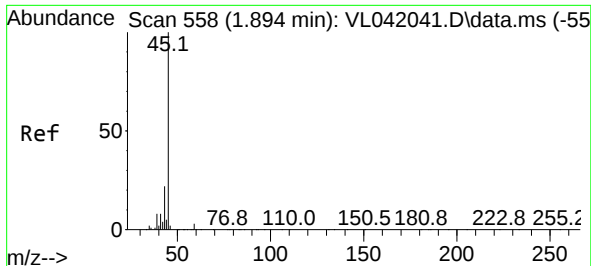
Tgt Ion: 39 Resp: 5162
Ion Ratio Lower Upper
39 100
54 15.4 59.6 89.4#



#17
tert-Butyl alcohol
Concen: 0.574 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.010 min
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Acq: 17 Mar 2025 15:19

Tgt Ion: 59 Resp: 10351
Ion Ratio Lower Upper
59 100
57 12.6 9.3 13.9

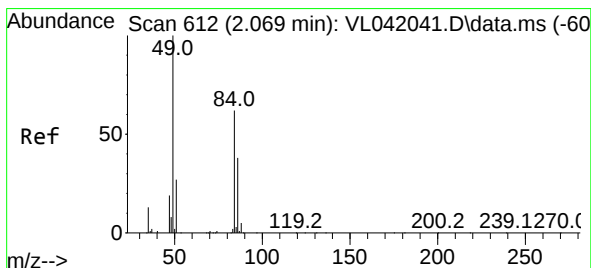
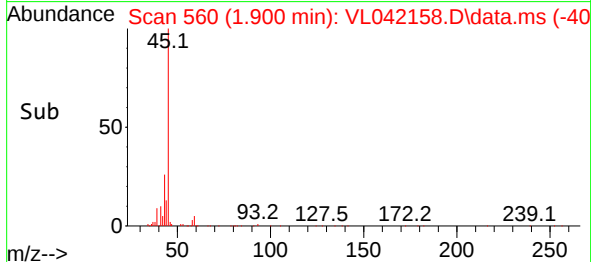
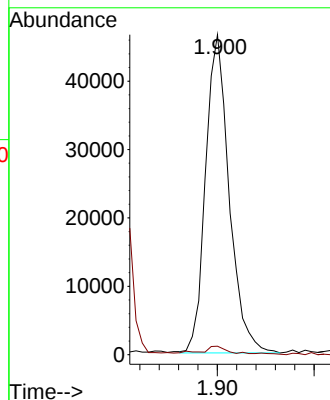
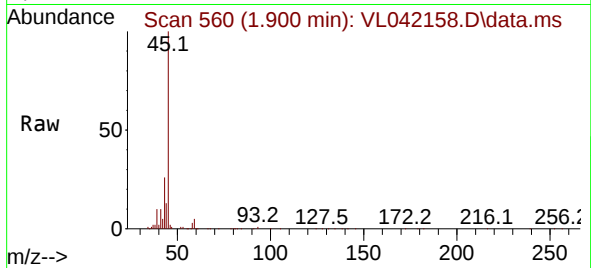




#19
Isopropyl Alcohol
Concen: 4.756 ppbv
RT: 1.900 min Scan# 519
Delta R.T. 0.006 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

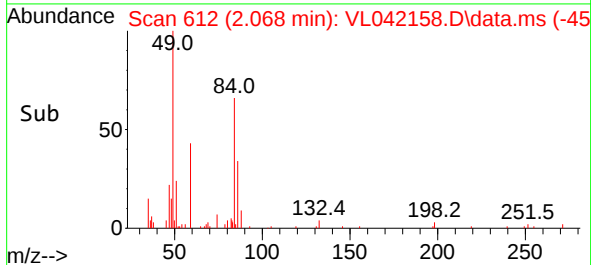
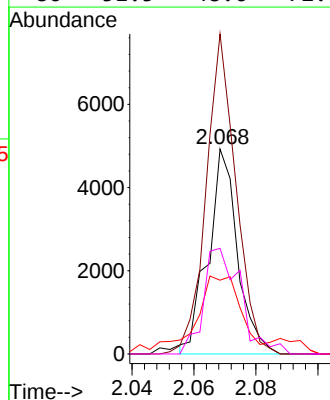
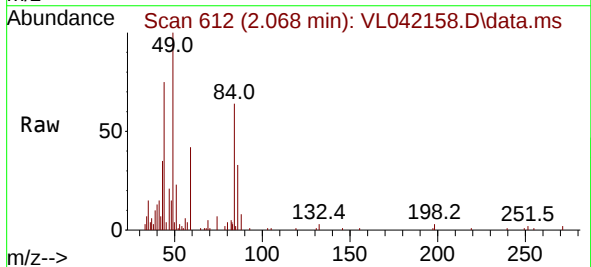
Instrument :
MSVOA_1
ClientSampleId :
557-SG-2

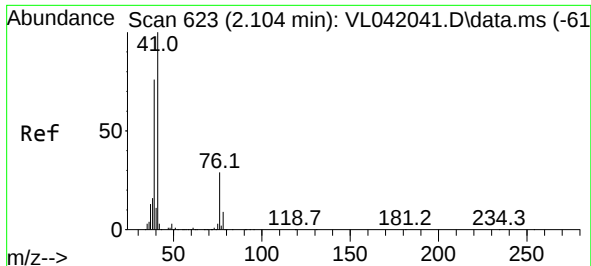
Tgt Ion: 45 Resp: 39394
Ion Ratio Lower Upper
45 100
58 156.0 35.3 52.9#



#20
Methylene Chloride
Concen: 0.595 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 84 Resp: 3246
Ion Ratio Lower Upper
84 100
49 161.7 130.0 195.0
51 29.1 37.4 56.0#
86 51.5 48.6 72.8





#21

Allyl Chloride

Concen: 0.140 ppbv

RT: 2.085 min Scan# 61

Delta R.T. -0.020 min

Lab File: VL042158.D

Acq: 17 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

557-SG-2

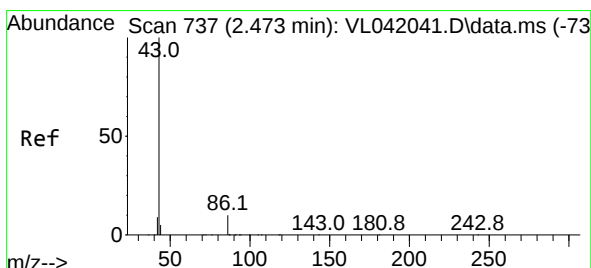
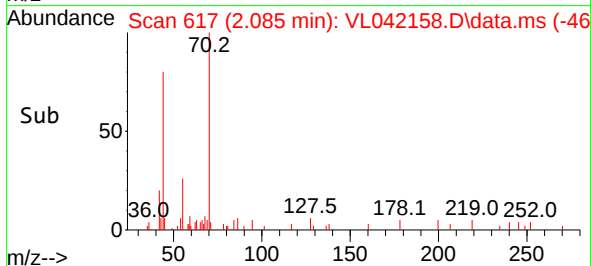
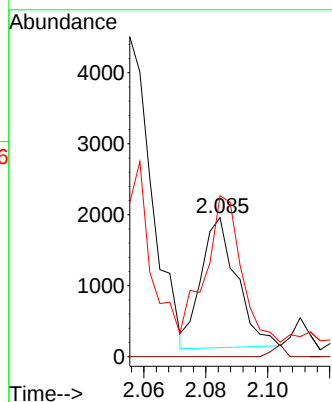
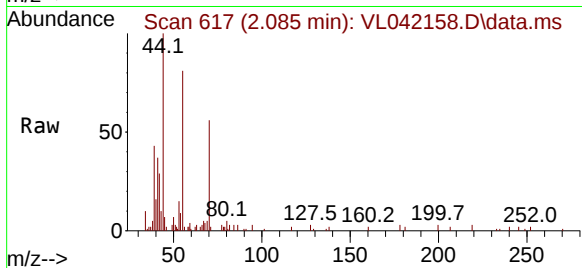
Tgt Ion: 41 Resp: 1458

Ion Ratio Lower Upper

41 100

76 0.0 23.8 35.6#

39 149.2 63.8 95.6#



#23

Vinyl Acetate

Concen: 2.975 ppbv

RT: 2.483 min Scan# 740

Delta R.T. 0.010 min

Lab File: VL042158.D

Acq: 17 Mar 2025 15:19

Tgt Ion: 43 Resp: 30164

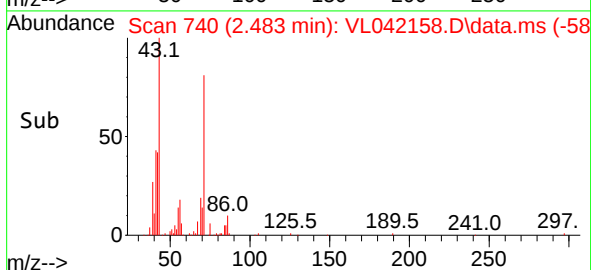
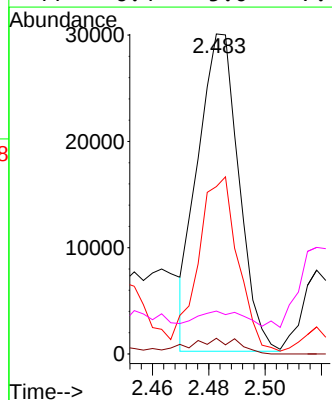
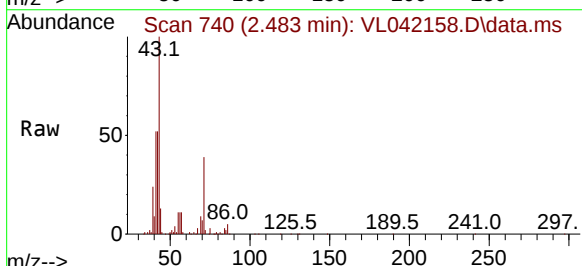
Ion Ratio Lower Upper

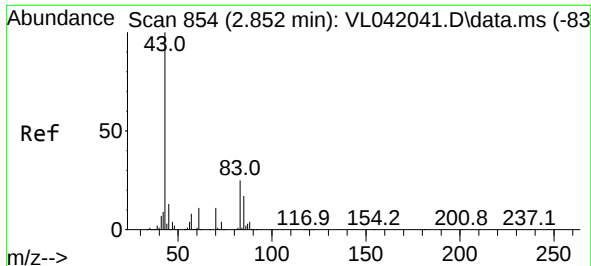
43 100

86 5.0 7.0 10.4#

42 52.1 7.6 11.4#

44 6.4 5.0 7.4

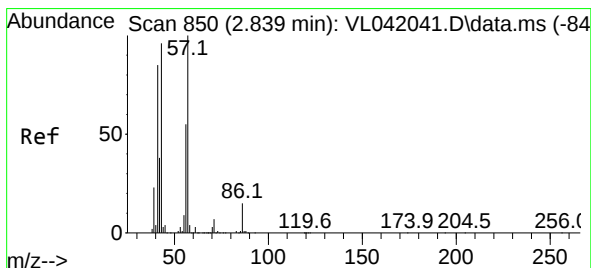
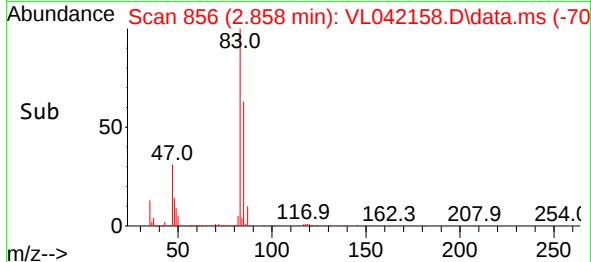
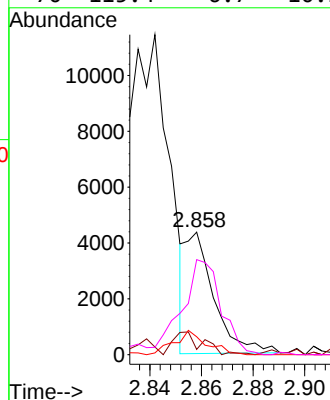
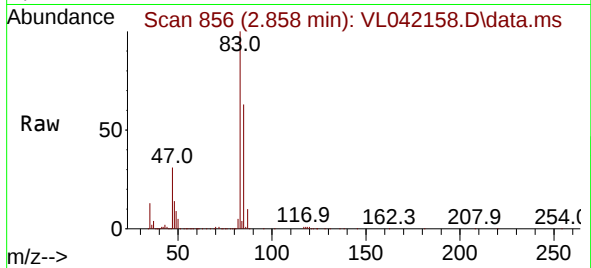




#25
Ethyl Acetate
Concen: 0.057 ppbv
RT: 2.858 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

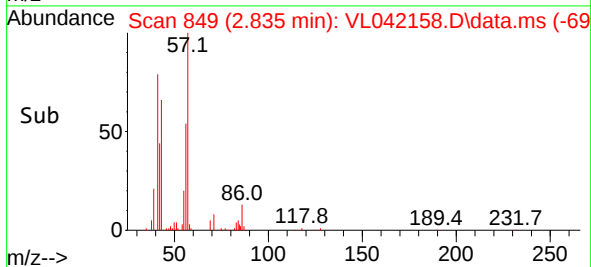
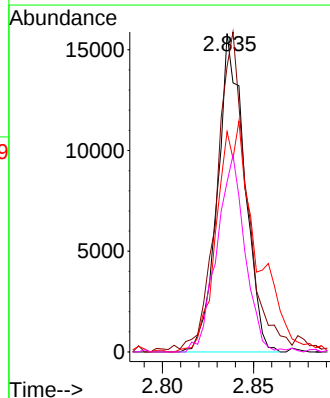
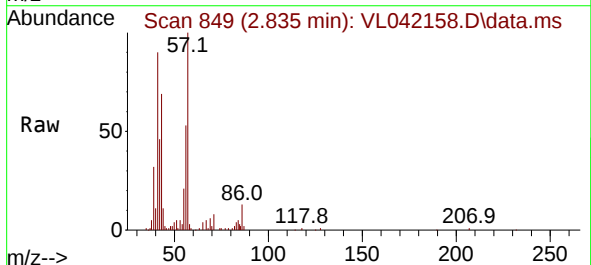
Instrument :
MSVOA_1
ClientSampleId :
557-SG-2

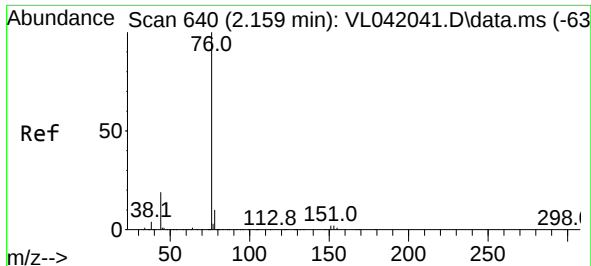
Tgt Ion: 43	Resp: 3304
Ion Ratio	Lower Upper
43 100	
45 28.9	8.1 12.1#
61 23.3	7.2 10.8#
70 115.4	6.7 10.1#



#26
Hexane
Concen: 0.698 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt	Ion: 57	Resp:	16293
Ion	Ratio	Lower	Upper
57	100		
41	116.7	70.6	106.0#
43	105.7	199.4	299.0#
56	64.8	42.6	64.0#

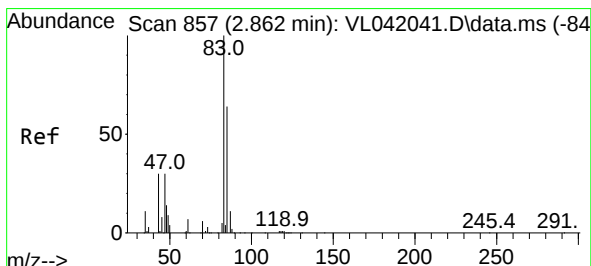
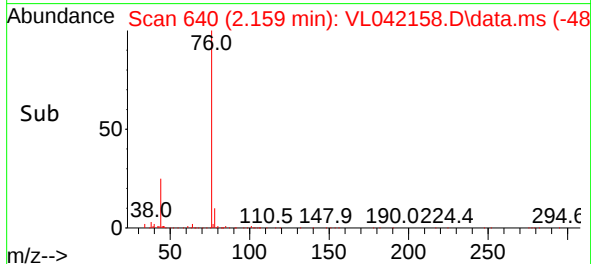
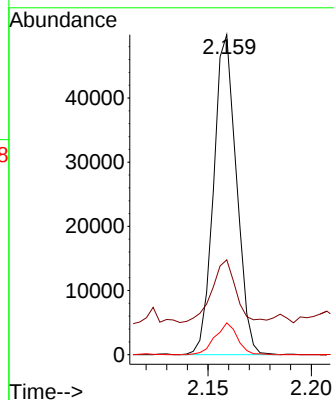
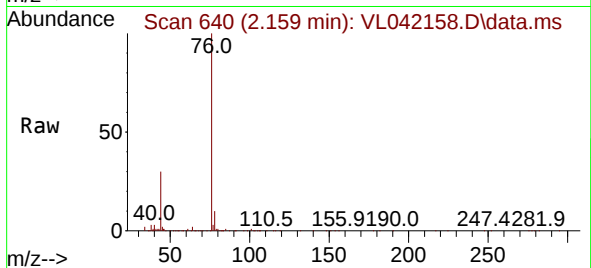




#27
Carbon Disulfide
Concen: 2.424 ppbv
RT: 2.159 min Scan# 640
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

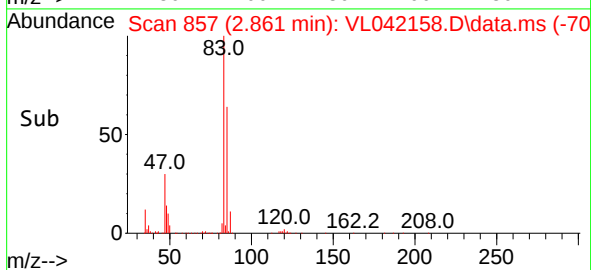
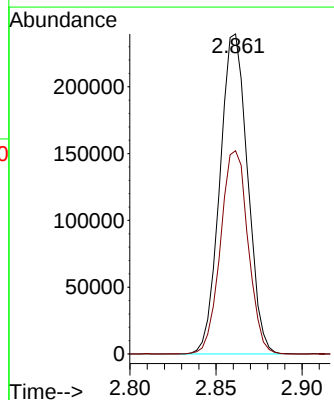
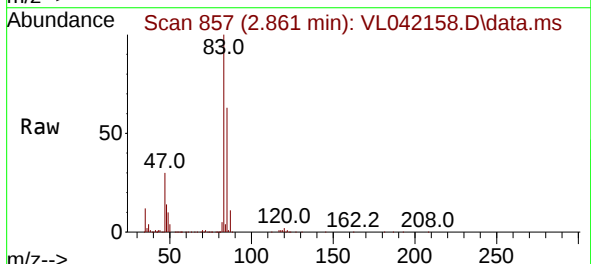
Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

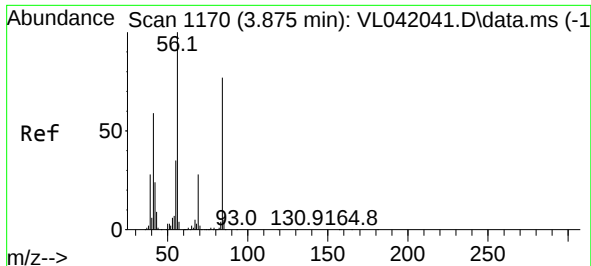
Tgt Ion: 76 Resp: 38336
Ion Ratio Lower Upper
76 100
44 44.3 16.2 24.2#
78 10.0 9.4 14.0



#29
Chloroform
Concen: 8.549 ppbv
RT: 2.861 min Scan# 857
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 83 Resp: 268454
Ion Ratio Lower Upper
83 100
85 63.4 51.2 76.8

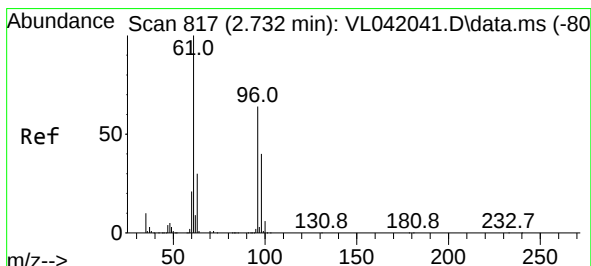
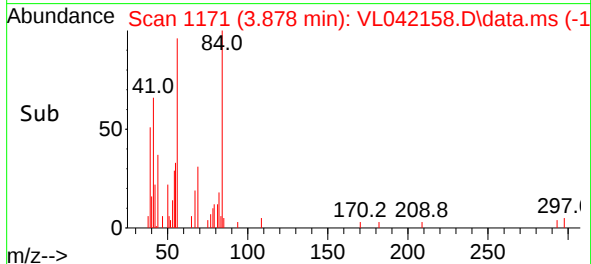
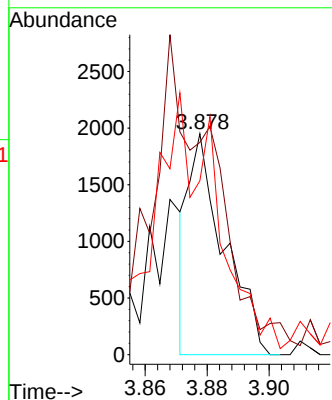
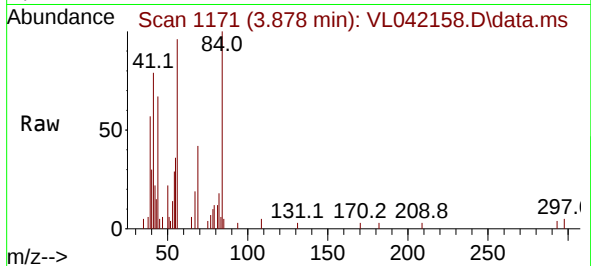




#30
Cyclohexane
Concen: 0.082 ppbv
RT: 3.878 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

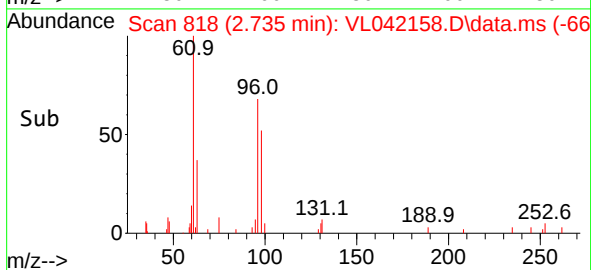
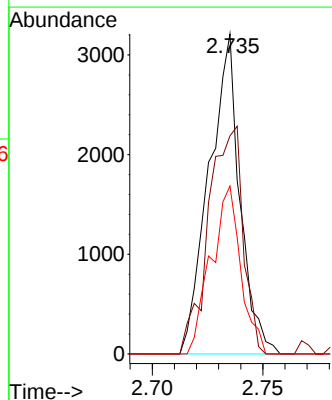
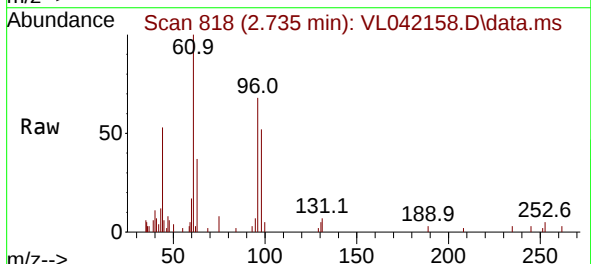
Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

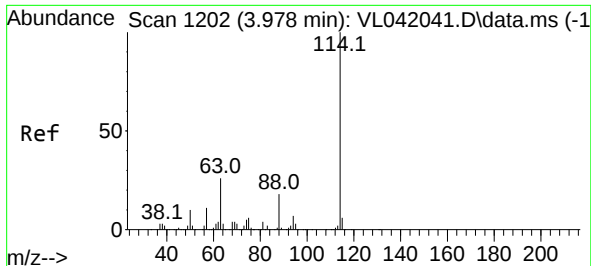
Tgt Ion: 84 Resp: 1555
Ion Ratio Lower Upper
84 100
56 0.0 101.5 152.3#
41 0.0 62.6 93.8#



#31
cis-1,2-Dichloroethene
Concen: 0.141 ppbv
RT: 2.735 min Scan# 818
Delta R.T. 0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 61 Resp: 3117
Ion Ratio Lower Upper
61 100
96 68.2 51.5 77.3
98 52.5 32.0 48.0#

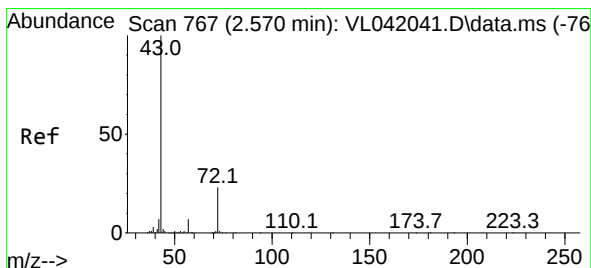
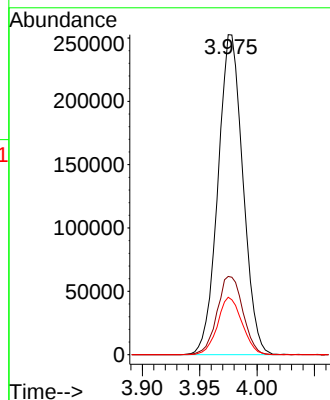
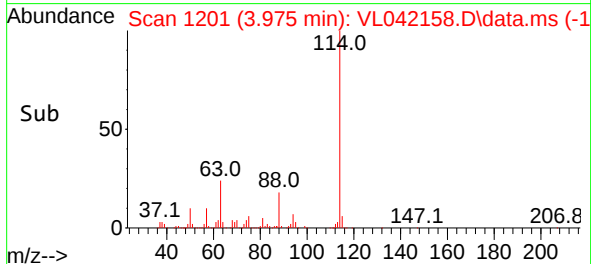
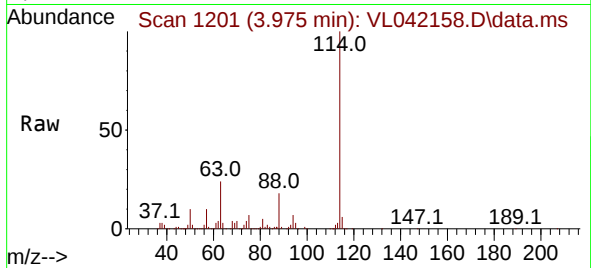




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.975 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VL042158.D
 Acq: 17 Mar 2025 15:19

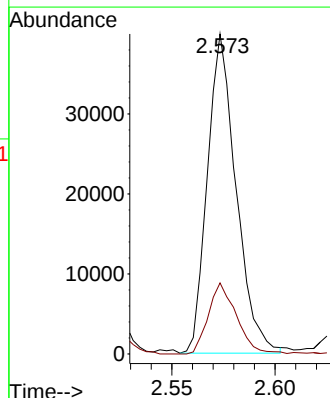
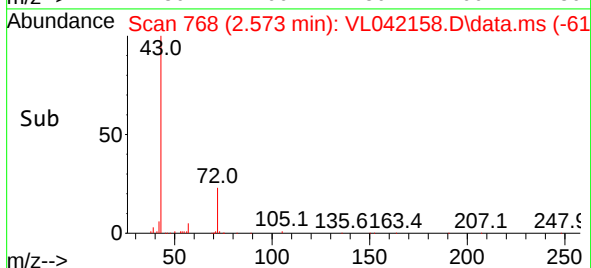
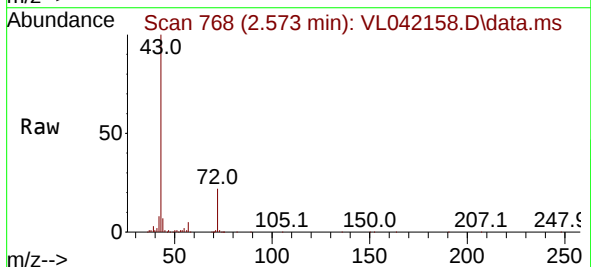
Instrument :
 MSVOA_1
 ClientSampleId :
 557-SG-2

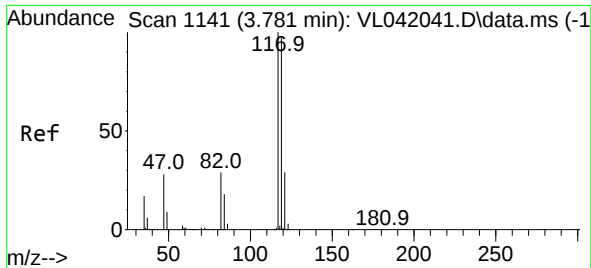
Tgt Ion:114 Resp: 382025
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.1 30.1
 88 17.6 14.3 21.5



#34
 2-Butanone
 Concen: 1.294 ppbv
 RT: 2.573 min Scan# 768
 Delta R.T. 0.003 min
 Lab File: VL042158.D
 Acq: 17 Mar 2025 15:19

Tgt Ion: 43 Resp: 38525
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.5 27.7

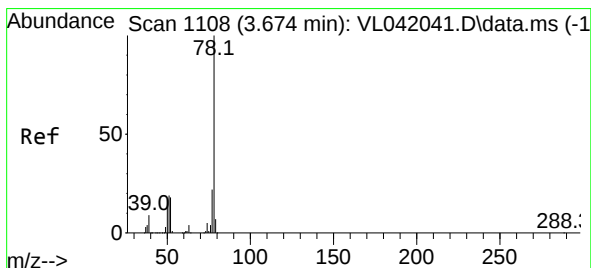
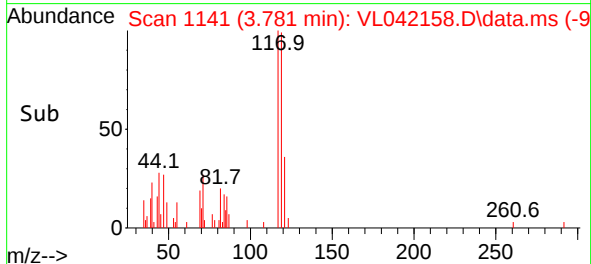
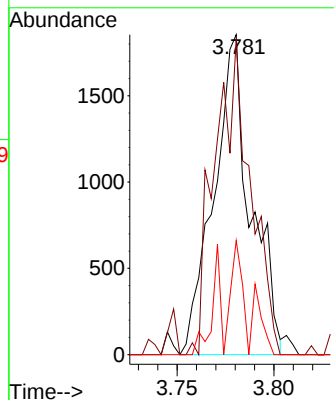
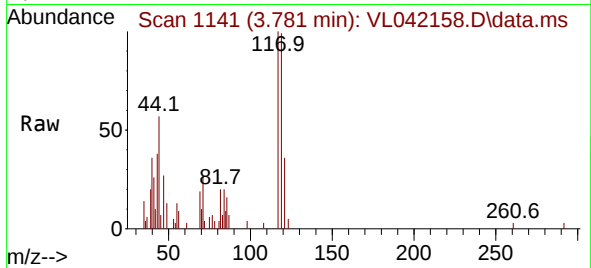




#35
Carbon Tetrachloride
Concen: 0.093 ppbv
RT: 3.781 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

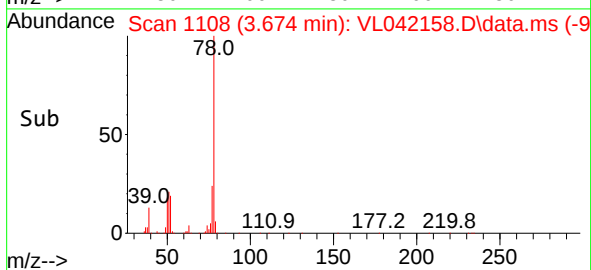
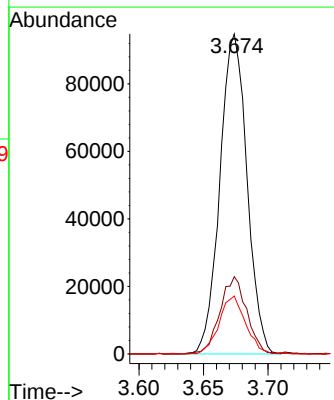
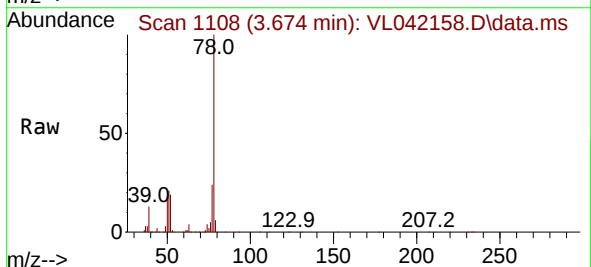
Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

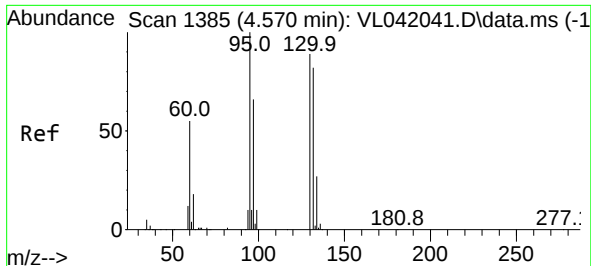
Tgt Ion:117 Resp: 2456
Ion Ratio Lower Upper
117 100
119 98.7 77.8 116.8
121 35.7 23.4 35.0#



#36
Benzene
Concen: 3.457 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 78 Resp: 138238
Ion Ratio Lower Upper
78 100
77 24.1 17.7 26.5
50 18.1 13.9 20.9





#38

Trichloroethene

Concen: 0.246 ppbv

RT: 4.570 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL042158.D

Acq: 17 Mar 2025 15:19

Instrument :

MSVOA_1

ClientSampleId :

557-SG-2

Tgt Ion:130 Resp: 4011

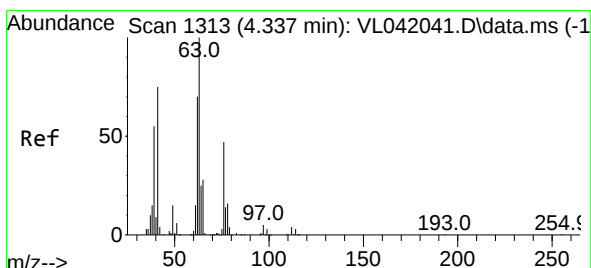
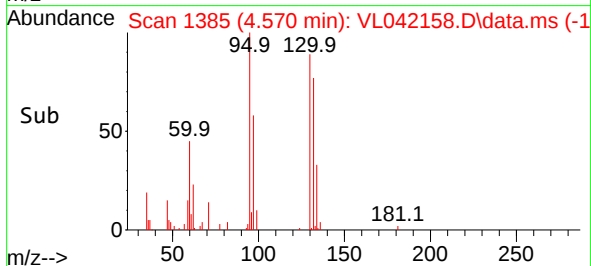
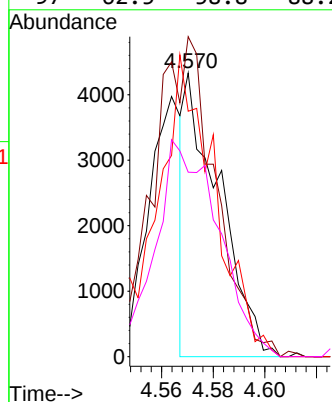
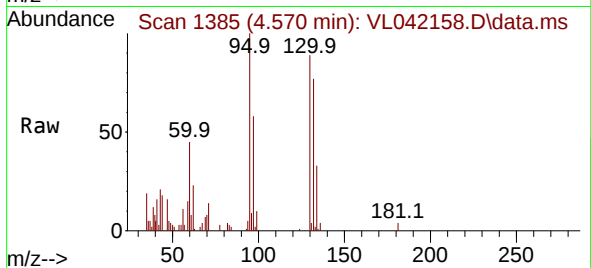
Ion Ratio Lower Upper

130 100

95 108.4 89.5 134.3

132 83.2 73.8 110.6

97 62.5 58.8 88.2



#39

1,2-Dichloropropane

Concen: 6.352 ppbv

RT: 3.975 min Scan# 1201

Delta R.T. -0.363 min

Lab File: VL042158.D

Acq: 17 Mar 2025 15:19

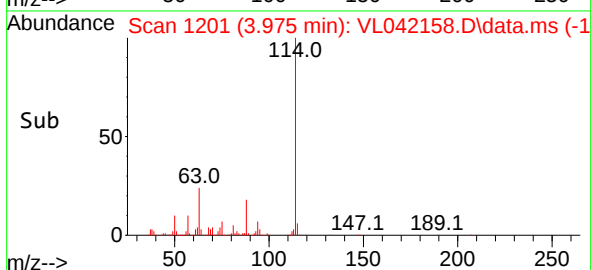
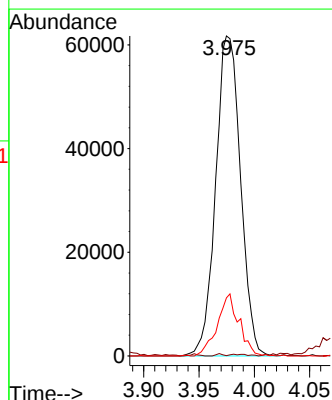
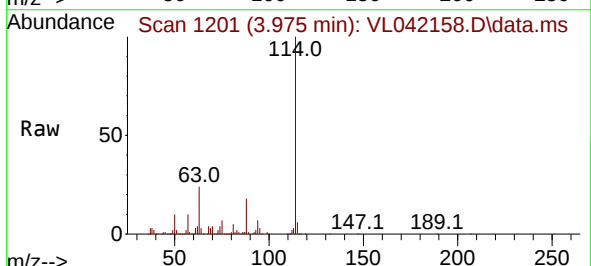
Tgt Ion: 63 Resp: 96425

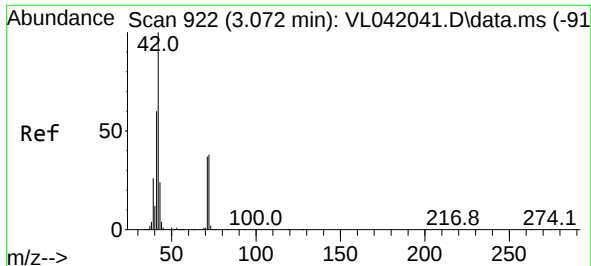
Ion Ratio Lower Upper

63 100

41 0.1 60.1 90.1#

62 18.2 55.8 83.8#

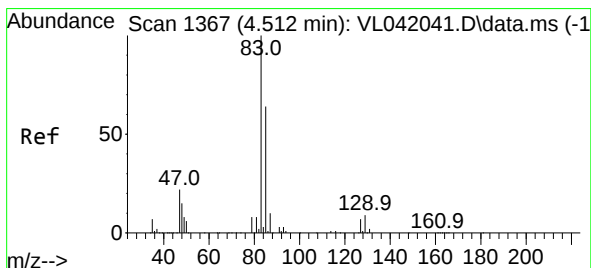
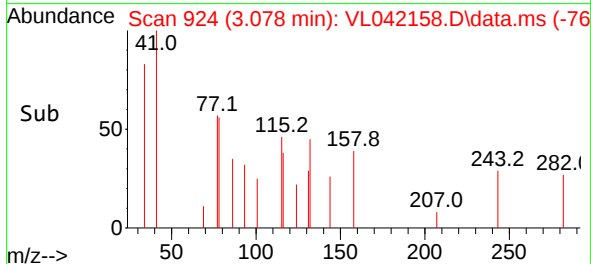
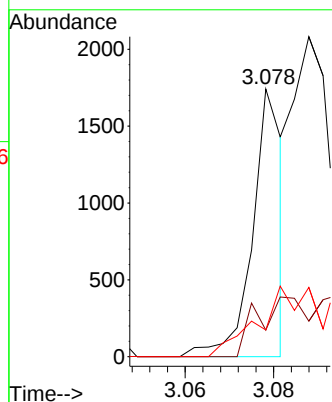
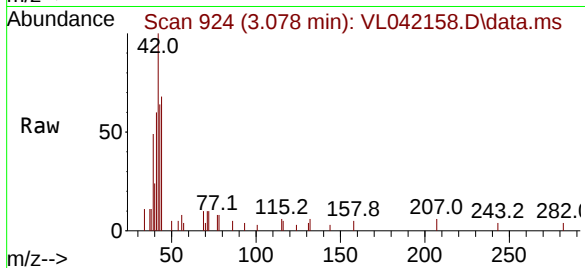




#41
Tetrahydrofuran
Concen: 0.047 ppbv
RT: 3.078 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

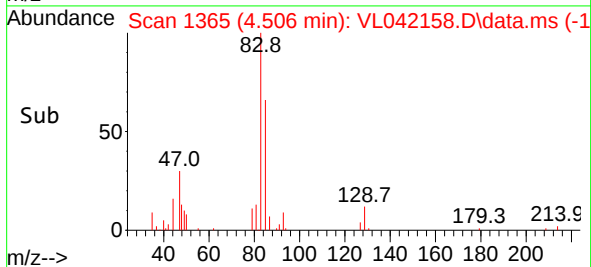
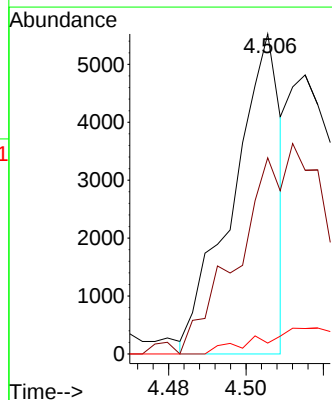
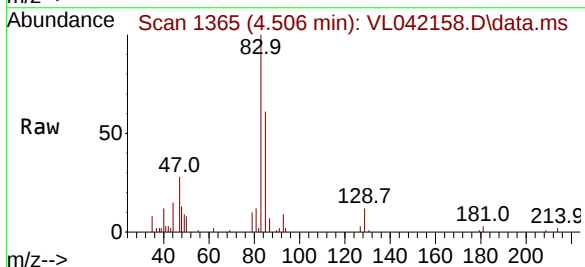
Instrument :
MSVOA_1
ClientSampleId :
557-SG-2

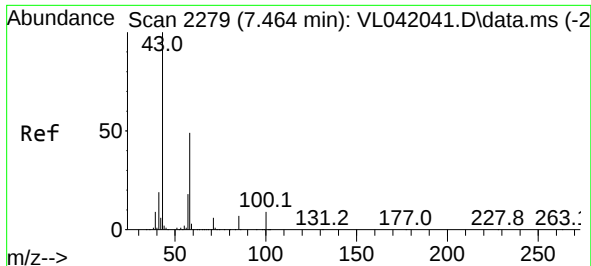
Tgt Ion: 42 Resp: 828
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2#
71 0.0 28.2 42.4#



#42
Bromodichloromethane
Concen: 0.159 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. -0.007 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 83 Resp: 4737
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.2
127 3.5 5.8 8.6#

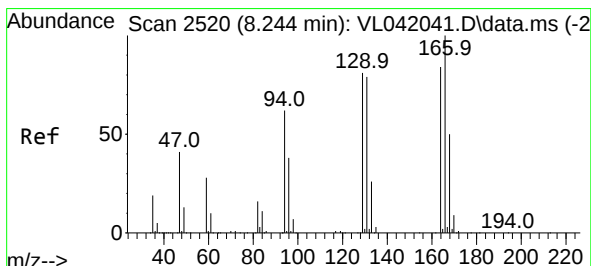
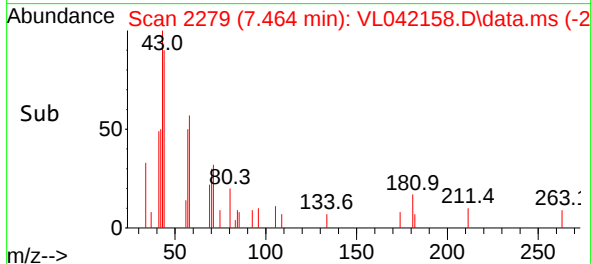
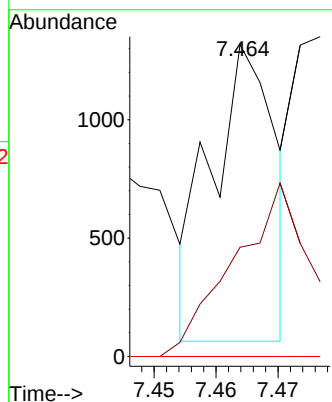
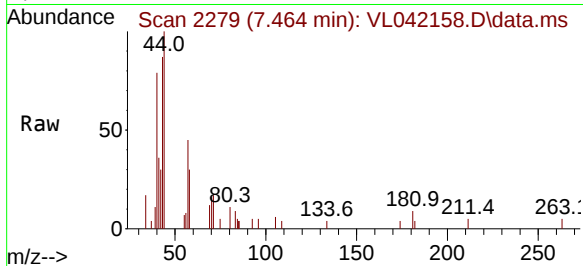




#51
2-Hexanone
Concen: 0.034 ppbv
RT: 7.464 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

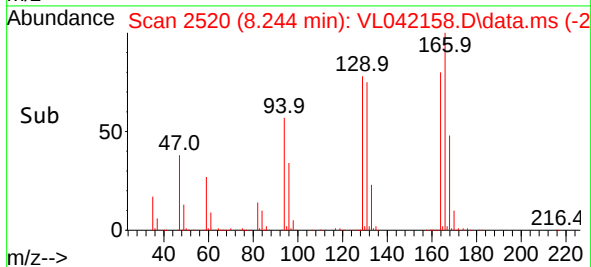
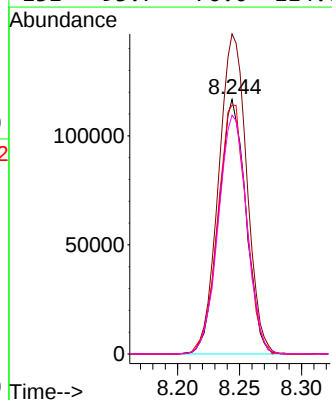
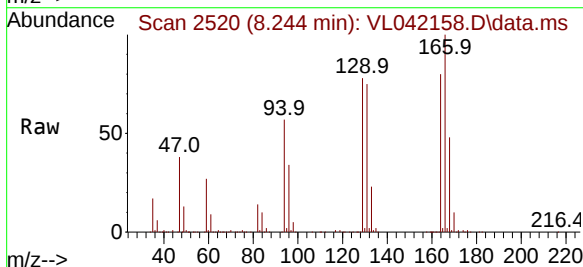
Instrument :
MSVOA_L
ClientSampleId :
557-SG-2

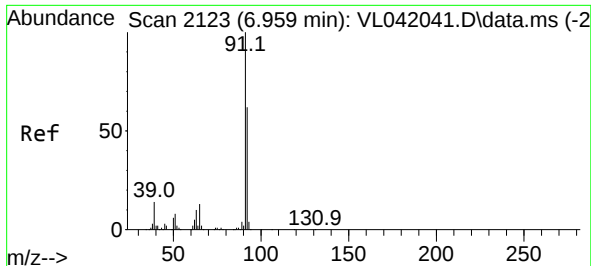
Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
58 106.0 39.0 58.6#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 13.106 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 164 Resp: 179431
Ion Ratio Lower Upper
164 100
166 125.6 95.7 143.5
129 97.7 77.1 115.7
131 93.7 76.0 114.0

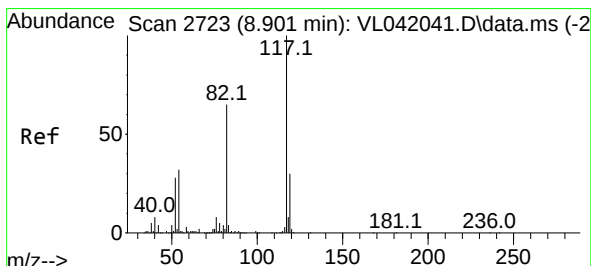
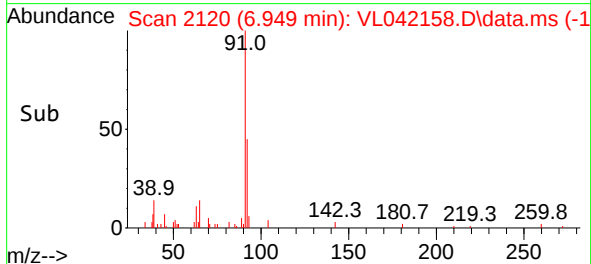
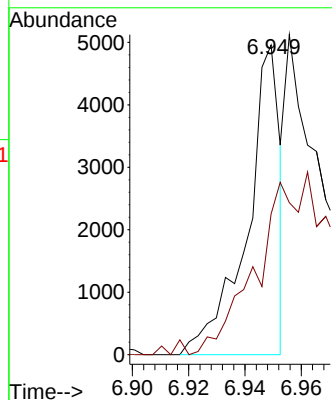
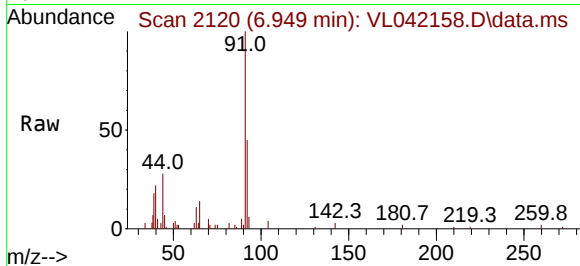




#53
Toluene
Concen: 0.090 ppbv
RT: 6.949 min Scan# 2123
Delta R.T. -0.010 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

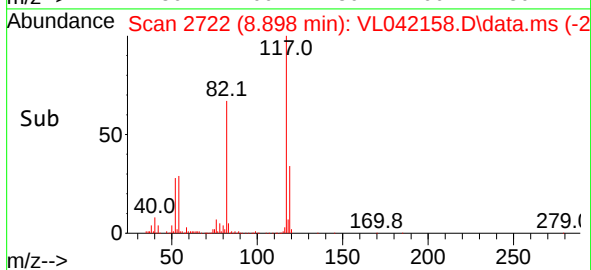
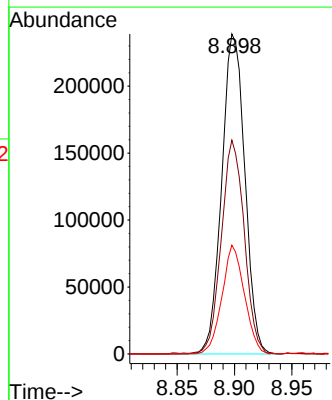
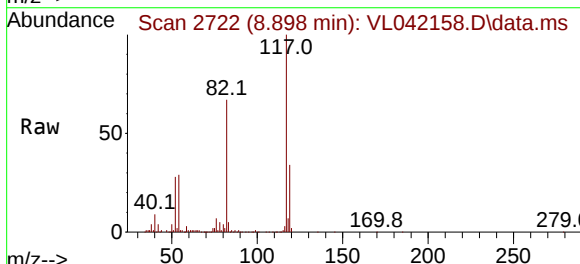
Instrument :
MSVOA_1
ClientSampleId :
557-SG-2

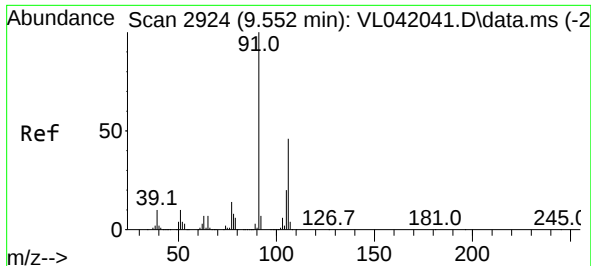
Tgt Ion: 91 Resp: 4024
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 117 Resp: 334931
Ion Ratio Lower Upper
117 100
82 66.5 55.0 82.6
119 33.0 25.9 38.9





#59

m/p-Xylene

Concen: 0.099 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. -0.000 min

Lab File: VL042158.D

Acq: 17 Mar 2025 15:19

Instrument :

MSVOA_1

ClientSampleId :

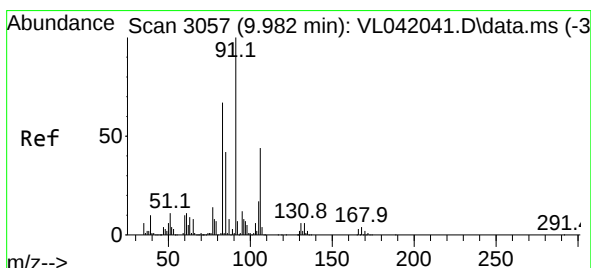
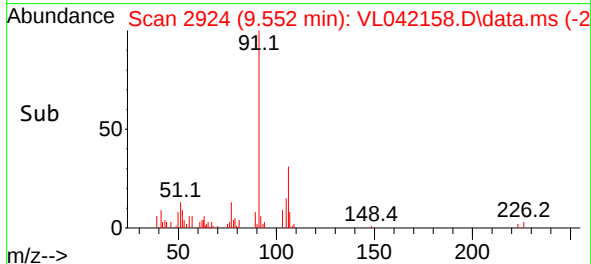
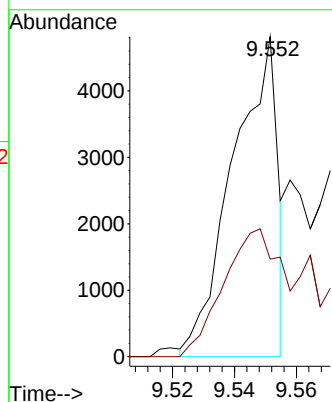
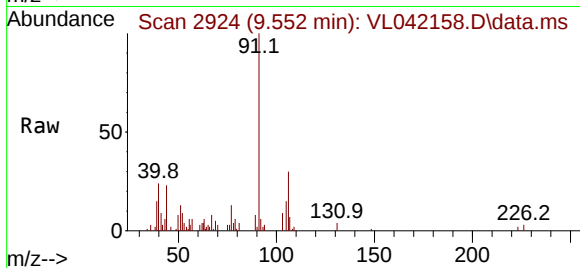
557-SG-2

Tgt Ion: 91 Resp: 4835

Ion Ratio Lower Upper

91 100

106 80.5 0.0 0.0#



#60

o-Xylene

Concen: 0.048 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. -0.003 min

Lab File: VL042158.D

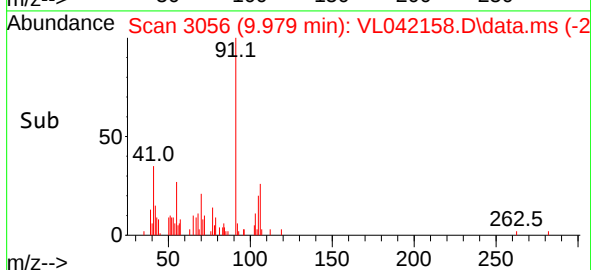
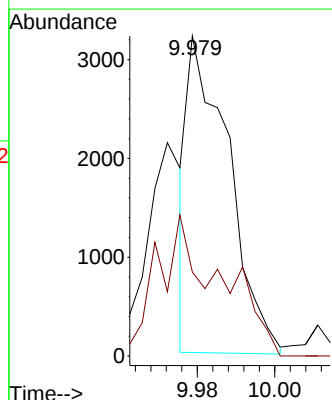
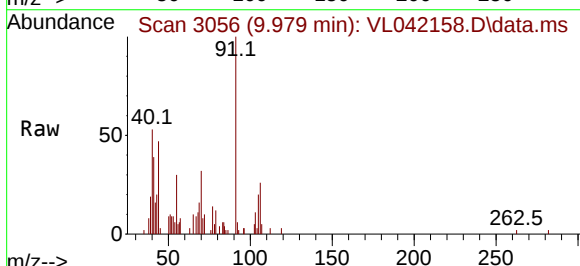
Acq: 17 Mar 2025 15:19

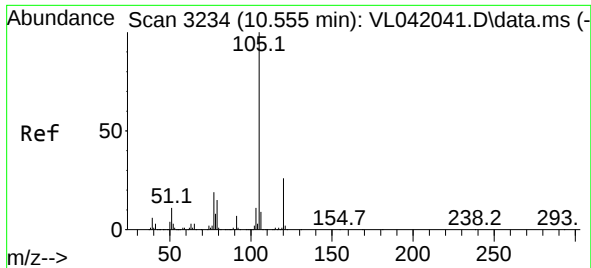
Tgt Ion: 91 Resp: 2357

Ion Ratio Lower Upper

91 100

106 71.1 22.3 66.8#

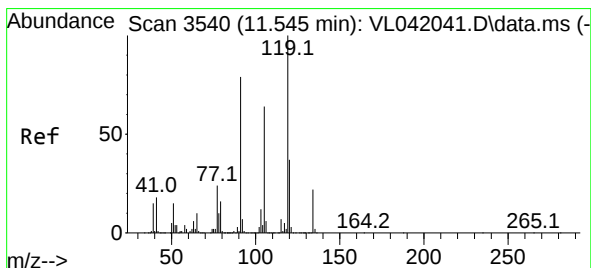
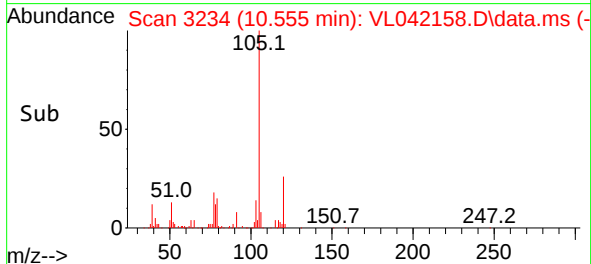
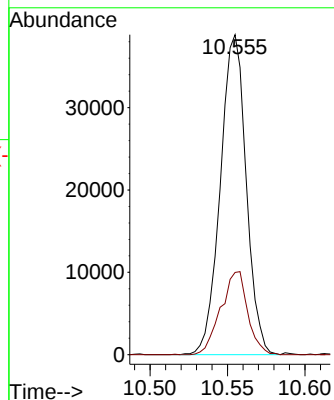
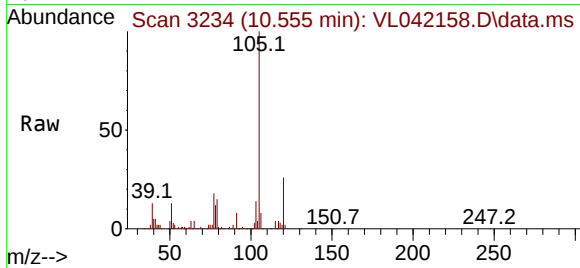




#62
Isopropylbenzene
Concen: 0.611 ppbv
RT: 10.555 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

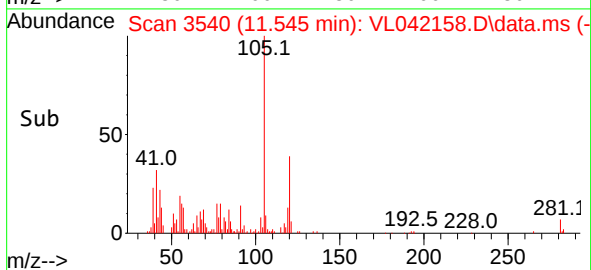
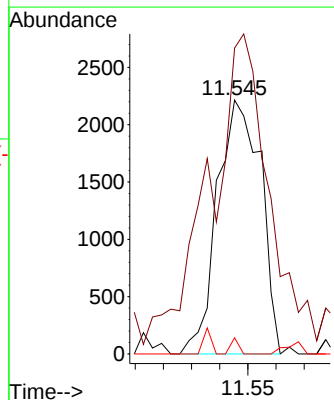
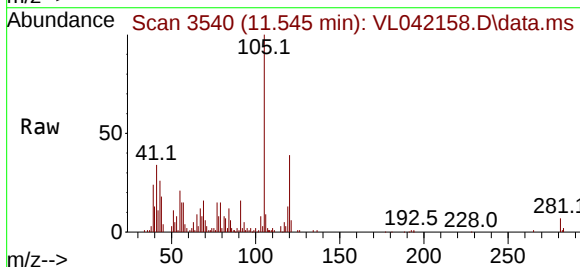
Instrument :
MSVOA_1
ClientSampleId :
557-SG-2

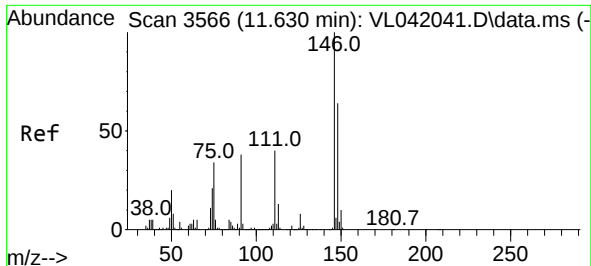
Tgt Ion:105 Resp: 45133
Ion Ratio Lower Upper
105 100
120 27.0 20.7 31.1



#65
tert-Butylbenzene
Concen: 0.035 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. -0.000 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:119 Resp: 2382
Ion Ratio Lower Upper
119 100
91 171.2 64.2 96.2#
134 4.8 17.4 26.2#

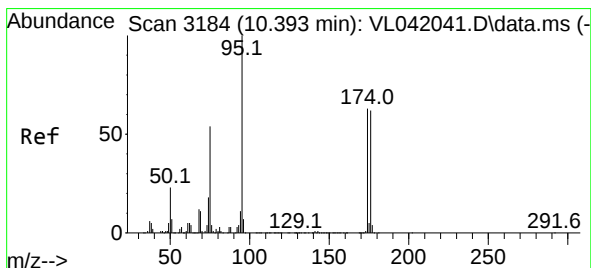
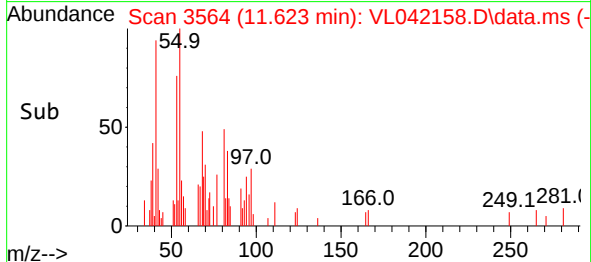
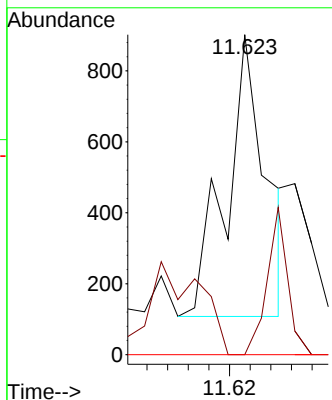
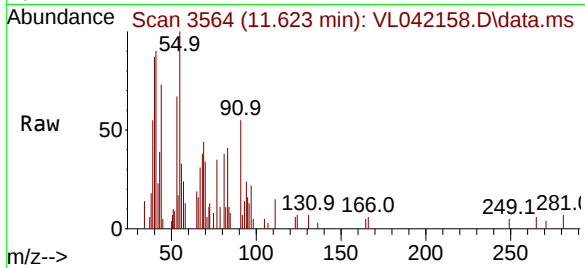




#66
Benzyl Chloride
Concen: 0.083 ppbv
RT: 11.623 min Scan# 3183
Delta R.T. -0.007 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

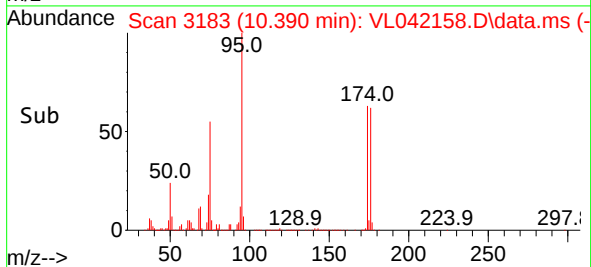
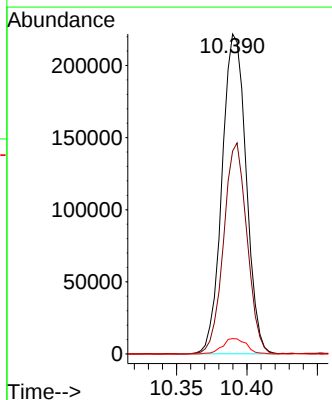
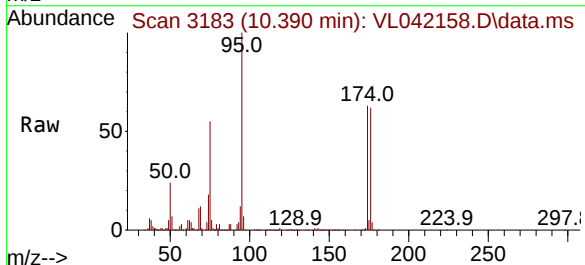
Instrument :
MSVOA_1
ClientSampleId :
557-SG-2

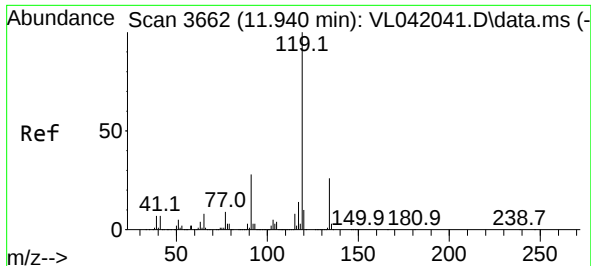
Tgt Ion: 91 Resp: 424
Ion Ratio Lower Upper
91 100
126 0.0 14.5 21.7#
128 0.0 5.4 8.2#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.251 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion: 95 Resp: 264151
Ion Ratio Lower Upper
95 100
174 64.4 51.8 77.6
175 4.8 3.9 5.9





#69

p-Isopropyltoluene

Concen: 0.056 ppbv

RT: 11.937 min Scan# 30

Delta R.T. -0.003 min

Lab File: VL042158.D

Acq: 17 Mar 2025 15:19

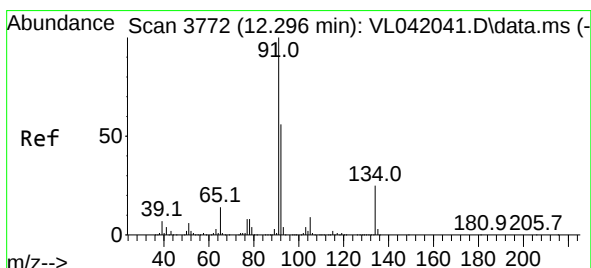
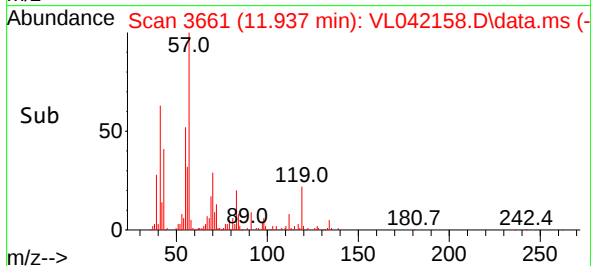
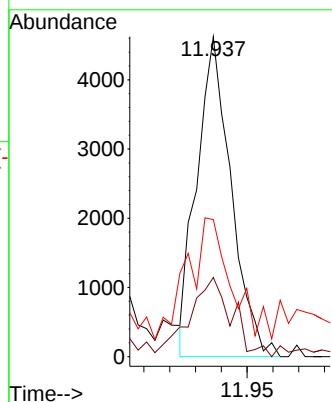
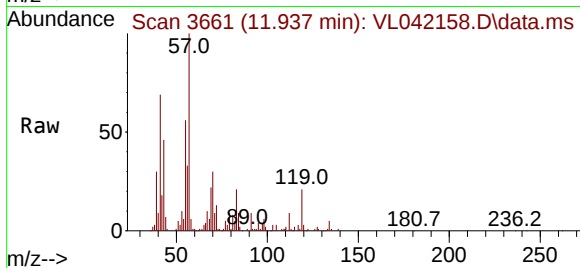
Instrument :

MSVOA_1

ClientSampleId :

557-SG-2

Tgt Ion:	119	Resp:	4286
Ion	Ratio	Lower	Upper
119	100		
134	33.2	20.9	31.3#
91	73.1	23.1	34.7#



#70

n-Butylbenzene

Concen: 0.143 ppbv

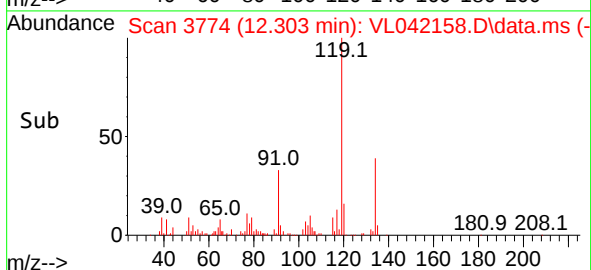
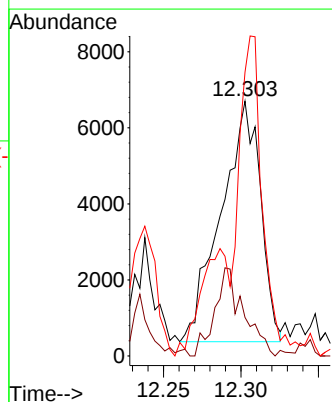
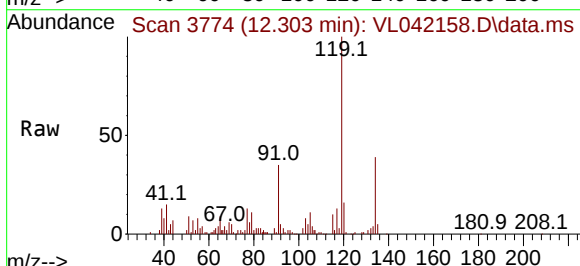
RT: 12.303 min Scan# 3774

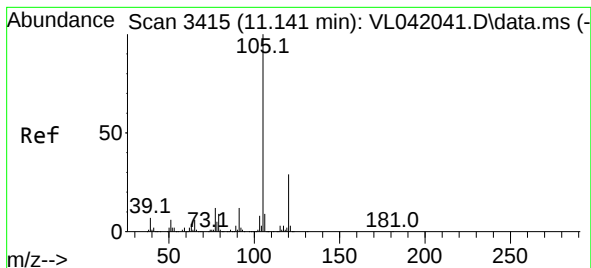
Delta R.T. 0.006 min

Lab File: VL042158.D

Acq: 17 Mar 2025 15:19

Tgt Ion:	91	Resp:	11208
Ion	Ratio	Lower	Upper
91	100		
92	27.4	44.7	67.1#
134	113.0	18.9	28.3#

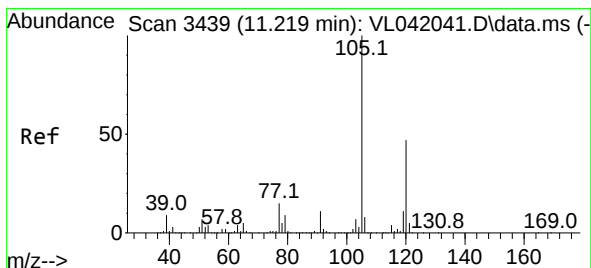
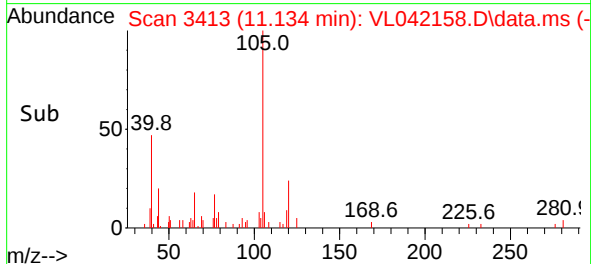
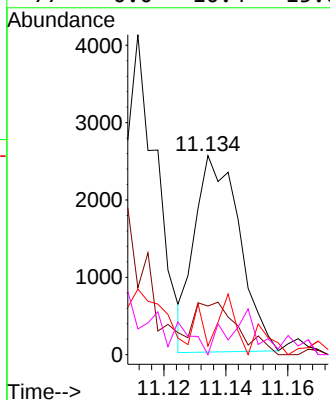
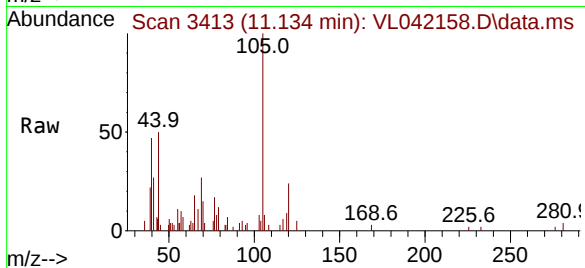




#72
4-Ethyltoluene
Concen: 0.042 ppbv
RT: 11.134 min Scan# 3415
Delta R.T. -0.007 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

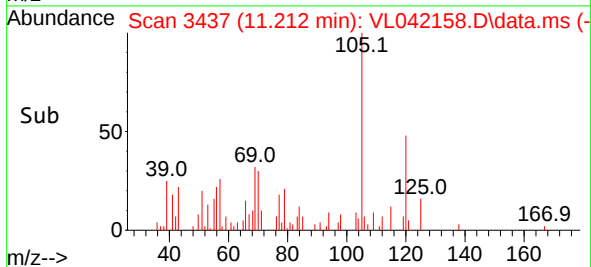
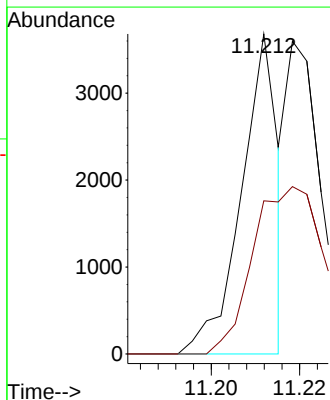
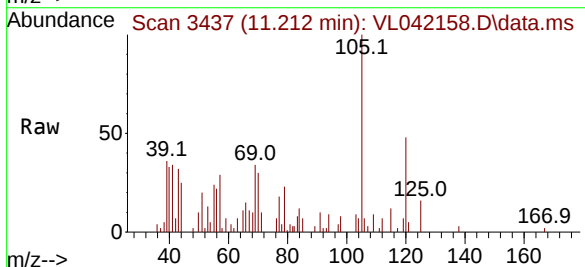
Instrument :
MSVOA_1
ClientSampleId :
557-SG-2

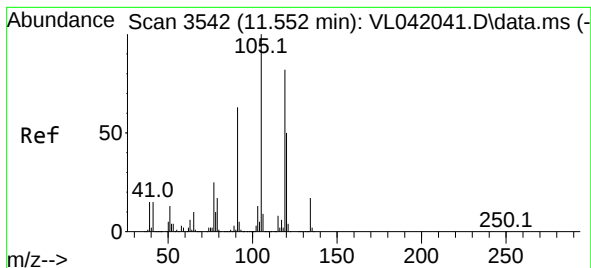
Tgt Ion:105	Resp:	2554
Ion	Ratio	Lower Upper
105	100	
120	0.0	24.1 36.1#
91	0.0	10.2 15.4#
77	0.0	10.4 15.6#



#73
1,3,5-Trimethylbenzene
Concen: 0.041 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. -0.007 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Tgt Ion:105	Resp:	2119
Ion	Ratio	Lower Upper
105	100	
120	53.4	37.4 56.0





#74

1,2,4-Trimethylbenzene

Concen: 0.342 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042158.D

Acq: 17 Mar 2025 15:19

Instrument :

MSVOA_1

ClientSampleId :

557-SG-2

Tgt Ion:105 Resp: 20132

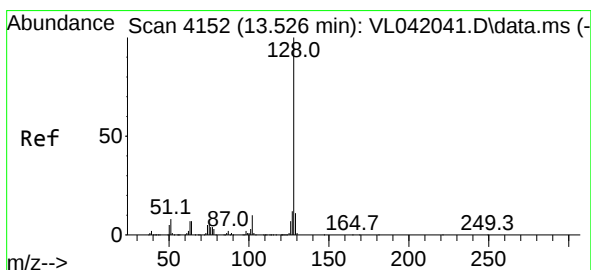
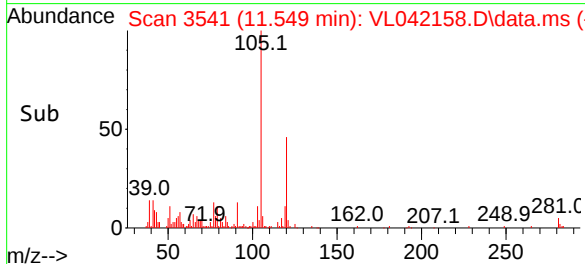
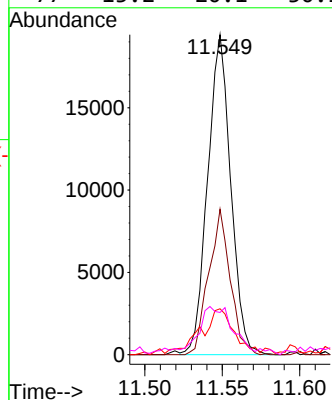
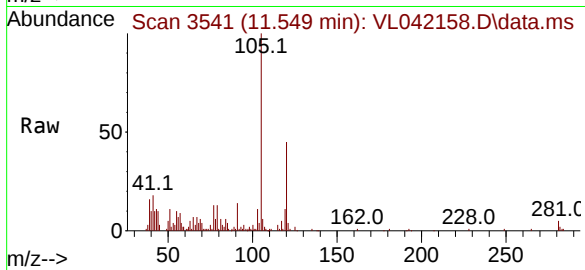
Ion Ratio Lower Upper

105 100

120 45.4 40.2 60.2

91 13.5 51.4 77.2#

77 13.2 20.1 30.1#



#79

Naphthalene

Concen: 0.770 ppbv

RT: 13.526 min Scan# 4152

Delta R.T. -0.000 min

Lab File: VL042158.D

Acq: 17 Mar 2025 15:19

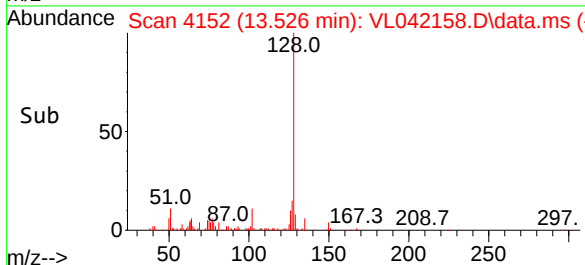
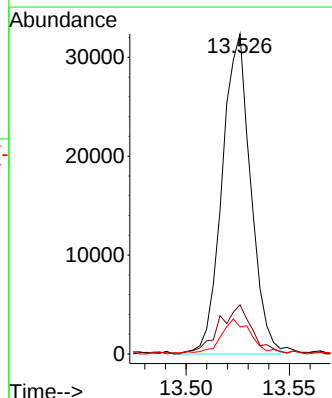
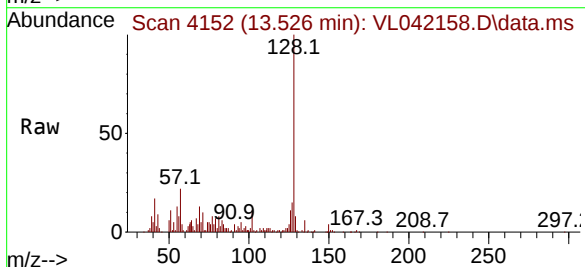
Tgt Ion:128 Resp: 31084

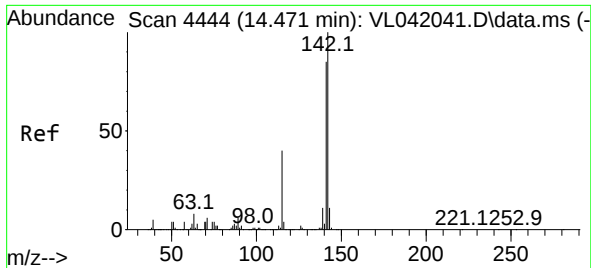
Ion Ratio Lower Upper

128 100

127 15.1 9.8 14.6#

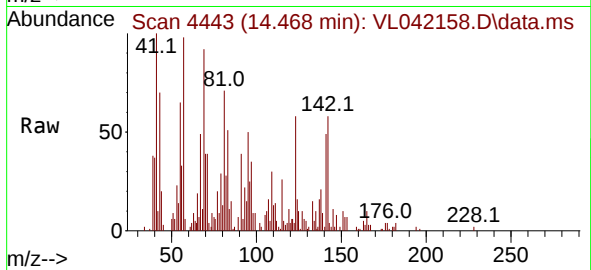
129 8.2 8.6 12.8#





#80
Naphthalene, 2-methyl-
Concen: 0.294 ppbv
RT: 14.468 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL042158.D
Acq: 17 Mar 2025 15:19

Instrument :
MSVOA_1
ClientSampleId :
557-SG-2



Tgt Ion:142 Resp: 3244
Ion Ratio Lower Upper
142 100
141 131.0 65.8 98.6#
115 72.1 29.5 44.3#

