

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042655.D
 Acq On : 19 Jun 2025 15:09
 Operator : SY/MD
 Sample : Q2368-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Jun 20 01:38:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	107855	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	293235	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.898	117	269229	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	206728	10.243	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	574	0.043	ppbv	91
3) Chlorodifluoromethane	1.440	51	153274	8.396	ppbv #	61
4) Chloromethane	1.605	50	374	0.071	ppbv #	64
5) Vinyl Chloride	1.444	62	854	0.160	ppbv #	1
7) Chloroethane	1.444	64	28762	13.843	ppbv #	63
8) Dichlorotetrafluoroethane	1.502	85	574	0.052	ppbv #	19
9) Propene	1.489	41	2449	0.333	ppbv #	80
10) Heptane	5.004	43	40824	1.970	ppbv	98
11) Trichlorofluoromethane	1.440	101	114461	9.281	ppbv #	18
13) Ethanol	1.725	45	3713	4.238	ppbv	100
15) Acetone	1.842	43	29355	2.260	ppbv	94
16) 1,3-Butadiene	1.605	39	1581	0.257	ppbv #	35
17) tert-Butyl alcohol	2.052	59	1418	0.105	ppbv #	84
19) Isopropyl Alcohol	1.894	45	1375	0.177	ppbv #	1
20) Methylene Chloride	2.072	84	976	0.228	ppbv #	53
21) Allyl Chloride	2.081	41	279	0.030	ppbv #	1
23) Vinyl Acetate	2.479	43	5321	0.303	ppbv #	42
25) Ethyl Acetate	2.835	43	78945	2.220	ppbv #	77
26) Hexane	2.835	57	109668	6.789	ppbv #	41
27) Carbon Disulfide	2.159	76	1413	0.114	ppbv #	54
29) Chloroform	2.858	83	29238	1.392	ppbv	95
30) Cyclohexane	3.868	84	1793	0.134	ppbv #	1
34) 2-Butanone	2.567	43	26717	1.278	ppbv	96
36) Benzene	3.667	78	5662	0.196	ppbv	97
39) 1,2-Dichloropropane	3.971	63	72584	6.797	ppbv #	23
40) 1,4-Dioxane	4.622	88	557	0.117	ppbv #	1
41) Tetrahydrofuran	3.075	42	6721	0.549	ppbv	99
44) 2,2,4-Trimethylpentane	4.661	57	4552	0.092	ppbv #	1
51) 2-Hexanone	7.457	43	111899	4.864	ppbv #	69
52) Tetrachloroethene	8.244	164	883	0.082	ppbv	86
53) Toluene	6.952	91	92112	2.760	ppbv	99
57) Chlorobenzene	8.885	112	10336	0.395	ppbv #	44
58) Ethyl Benzene	9.373	91	26427	0.579	ppbv	93
59) m/p-Xylene	9.548	91	152600	4.246	ppbv	98
60) o-Xylene	9.982	91	60051	1.675	ppbv	96
61) Styrene	9.888	104	1063	0.063	ppbv #	27
62) Isopropylbenzene	10.555	105	14294	0.270	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	10830	0.475	ppbv #	14
64) n-propylbenzene	11.001	120	5555	0.391	ppbv #	32
65) tert-Butylbenzene	11.542	119	6678	0.139	ppbv #	49
67) sec-Butylbenzene	11.778	105	7536	0.112	ppbv #	84
69) p-Isopropyltoluene	11.937	119	5251	0.093	ppbv #	81
71) 2-Chlorotoluene	11.005	91	28930	0.716	ppbv	70

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Acq On : 19 Jun 2025 15:09
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Sample : Q2368-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 9 Sample Multiplier: 1

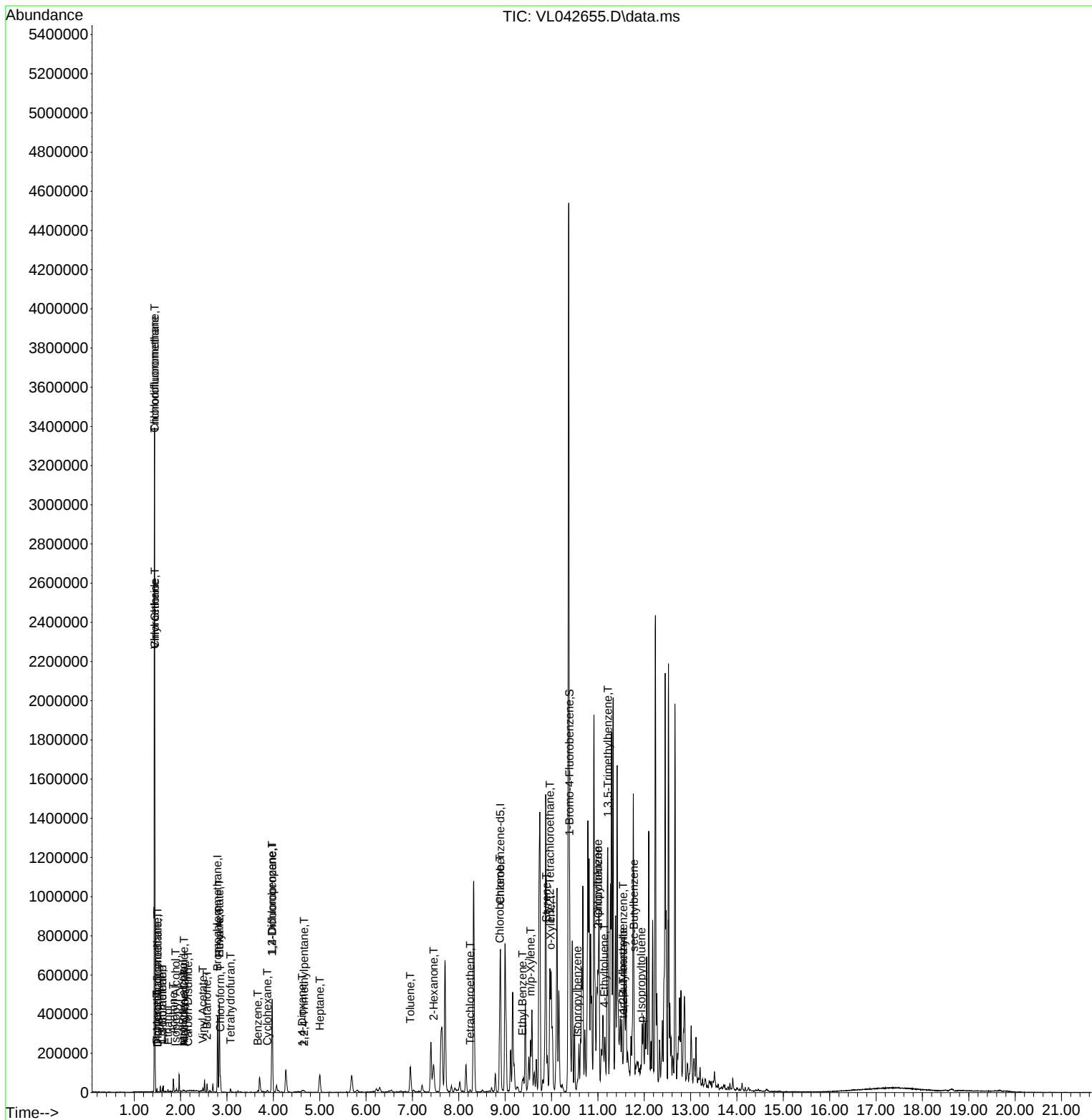
Instrument :
MSVOA_L
ClientSampleId :
SV1

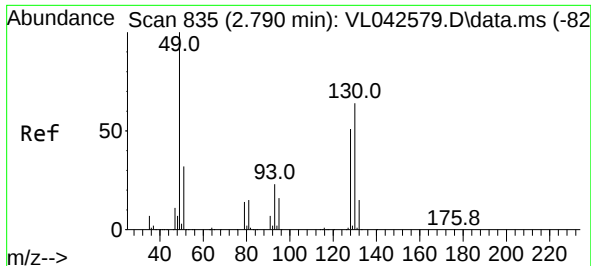
Quant Time: Jun 20 01:38:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	11.141	105	15820	0.354	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.215	105	30506	0.825	ppbv	95
74) 1,2,4-Trimethylbenzene	11.548	105	30144	0.734	ppbv #	69

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

Quant Time: Jun 20 01:38:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

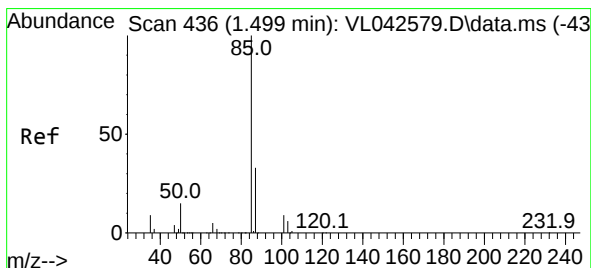
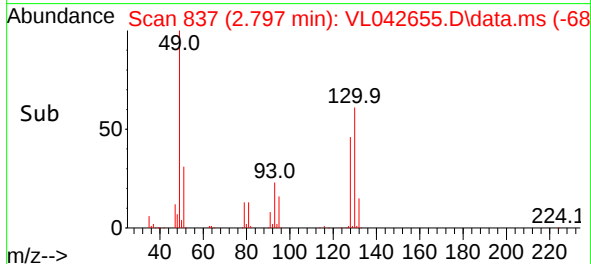
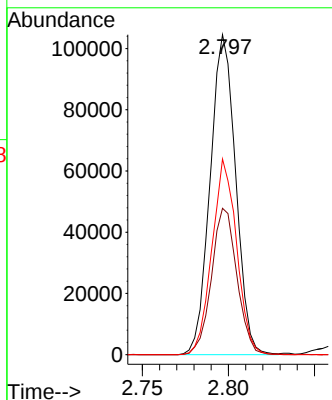
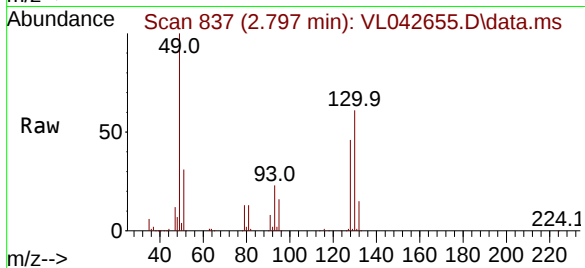




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

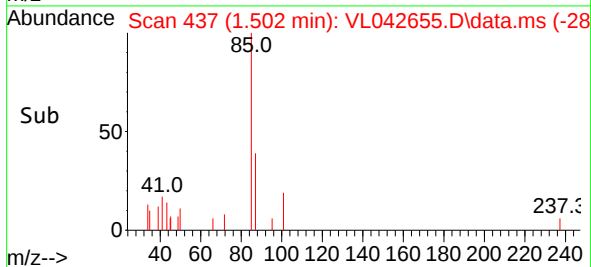
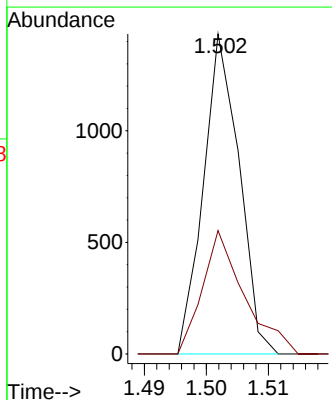
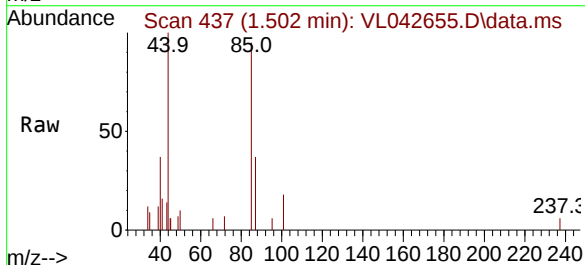
Instrument :
MSVOA_L
ClientSampleId :
SV1

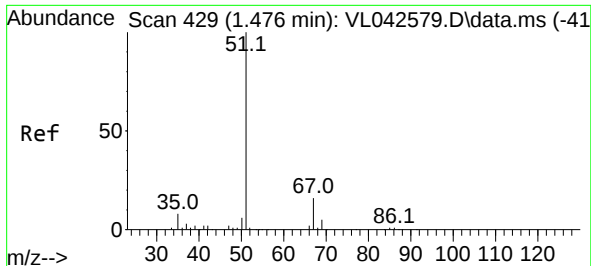
Tgt Ion: 49 Resp: 107855
Ion Ratio Lower Upper
49 100
128 45.6 24.2 72.6
130 59.2 30.4 91.2



#2
Dichlorodifluoromethane
Concen: 0.043 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 85 Resp: 574
Ion Ratio Lower Upper
85 100
87 38.6 26.6 39.8

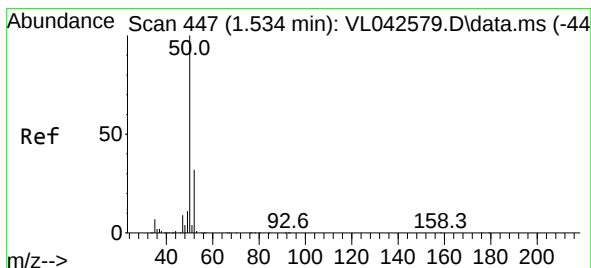
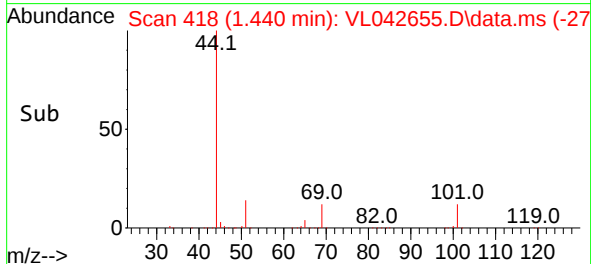
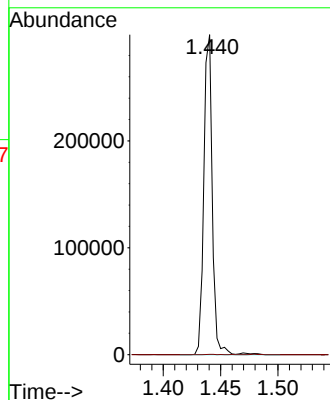
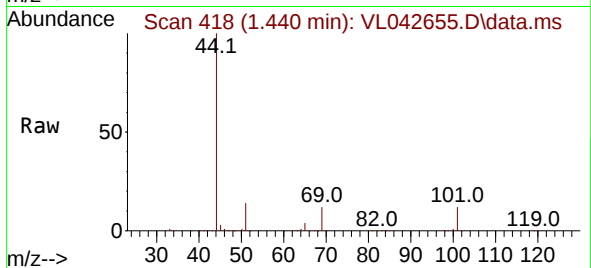




#3
Chlorodifluoromethane
Concen: 8.396 ppbv
RT: 1.440 min Scan# 41
Delta R.T. -0.036 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

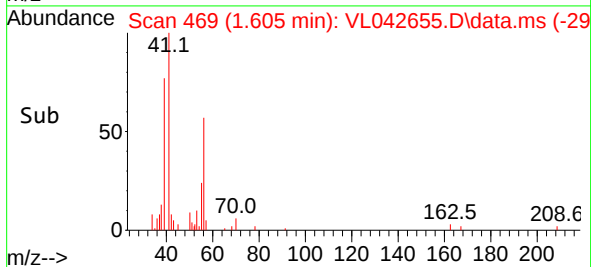
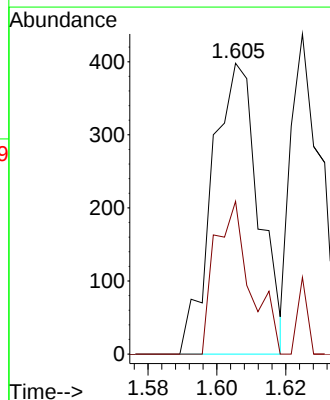
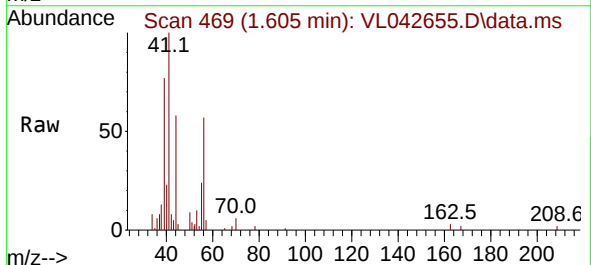
Instrument :
MSVOA_L
ClientSampleId :
SV1

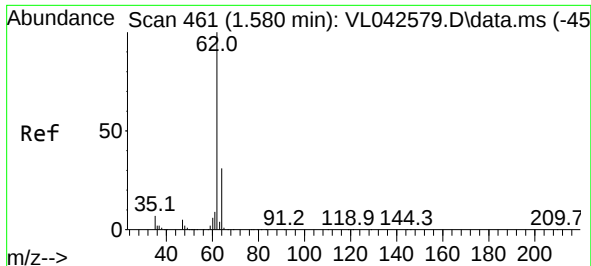
Tgt Ion: 51 Resp: 153274
Ion Ratio Lower Upper
51 100
67 0.1 13.4 20.2#



#4
Chloromethane
Concen: 0.071 ppbv
RT: 1.605 min Scan# 469
Delta R.T. 0.071 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 50 Resp: 374
Ion Ratio Lower Upper
50 100
52 52.5 25.8 38.6#

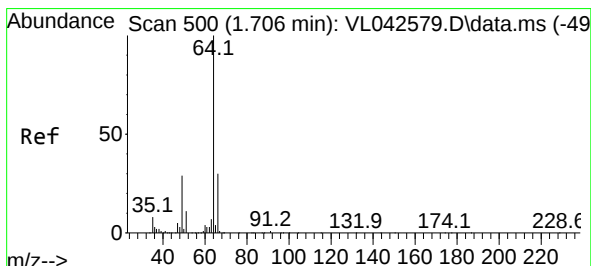
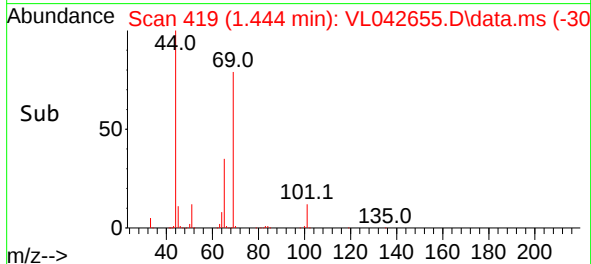
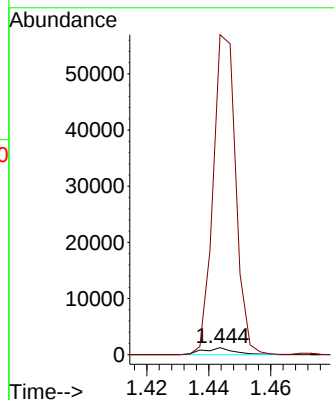
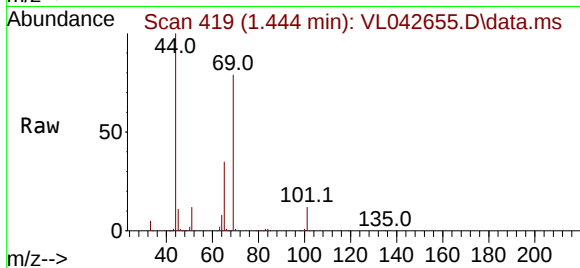




#5
 Vinyl Chloride
 Concen: 0.160 ppbv
 RT: 1.444 min Scan# 419
 Delta R.T. -0.136 min
 Lab File: VL042655.D
 Acq: 19 Jun 2025 15:09

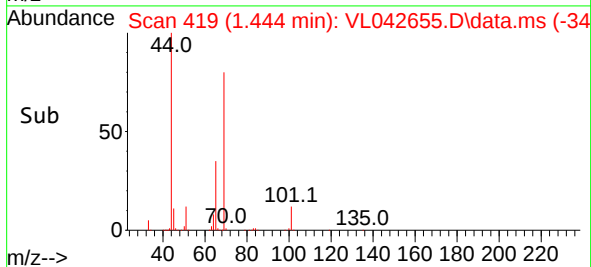
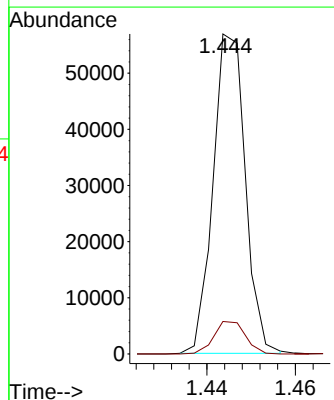
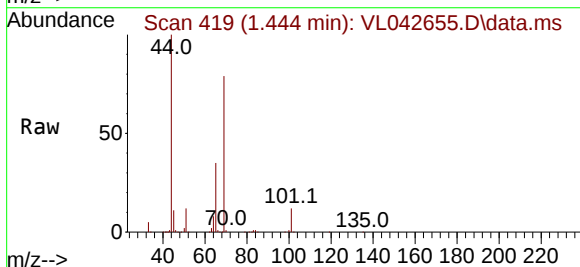
Instrument :
 MSVOA_L
 ClientSampleId :
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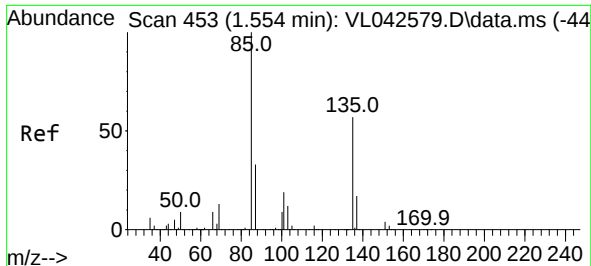
Tgt Ion: 62 Resp: 854
 Ion Ratio Lower Upper
 62 100
 64 4563.0 24.9 37.3#



#7
 Chloroethane
 Concen: 13.843 ppbv
 RT: 1.444 min Scan# 419
 Delta R.T. -0.262 min
 Lab File: VL042655.D
 Acq: 19 Jun 2025 15:09

Tgt Ion: 64 Resp: 28762
 Ion Ratio Lower Upper
 64 100
 66 10.1 24.3 36.5#

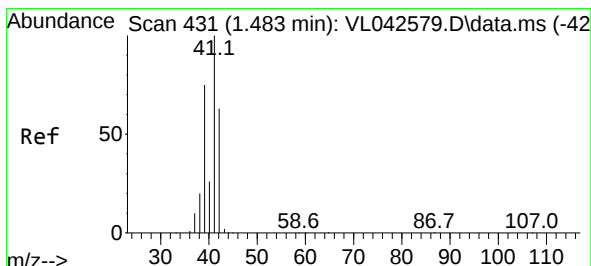
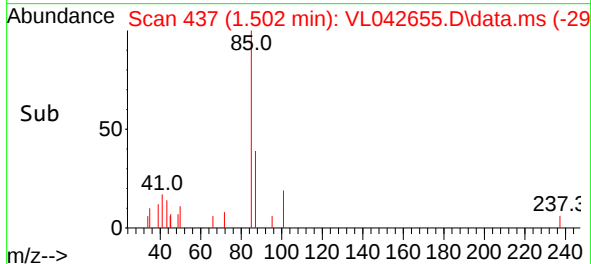
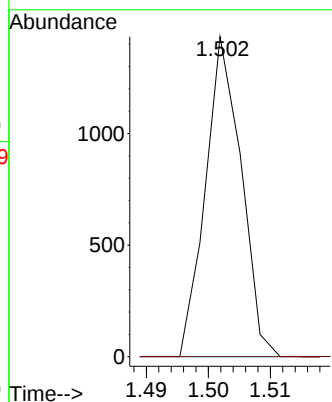
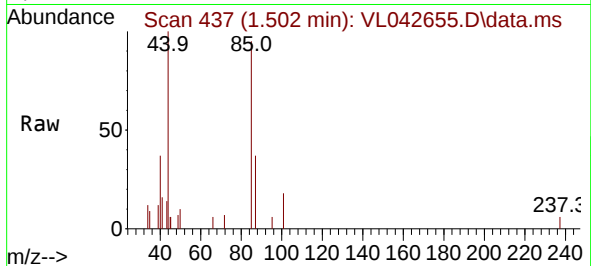




#8
Dichlorotetrafluoroethane
Concen: 0.052 ppbv
RT: 1.502 min Scan# 41
Delta R.T. -0.052 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

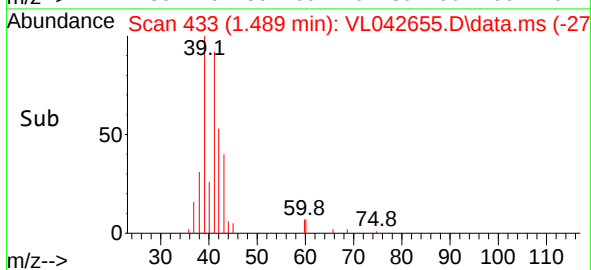
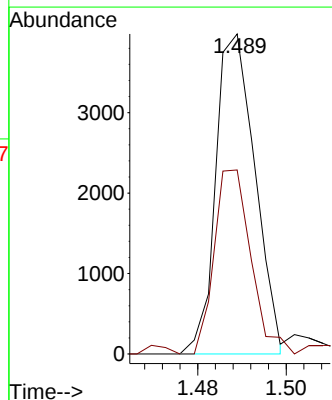
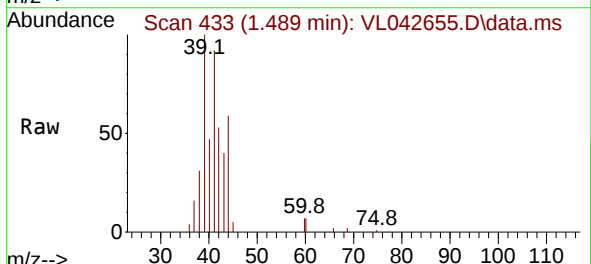
Instrument :
MSVOA_L
ClientSampleId :
SV1

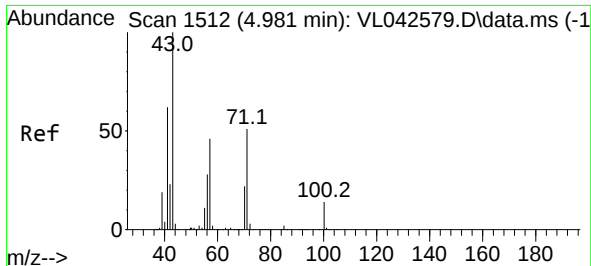
Tgt Ion: 85 Resp: 574
Ion Ratio Lower Upper
85 100
135 0.0 50.2 75.4#



#9
Propene
Concen: 0.333 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 41 Resp: 2449
Ion Ratio Lower Upper
41 100
42 50.6 53.3 79.9#

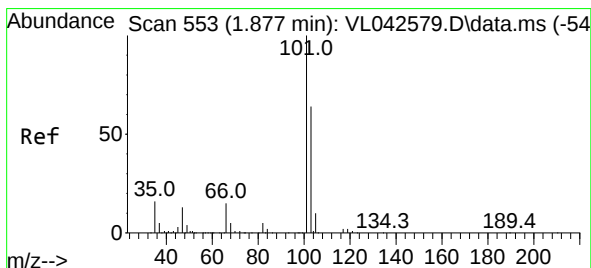
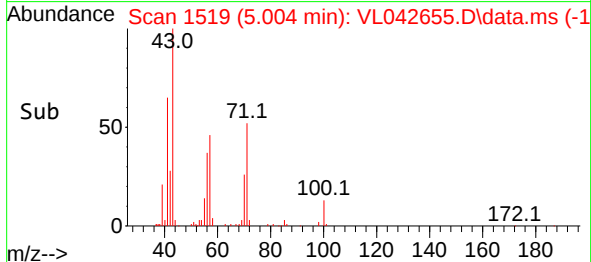
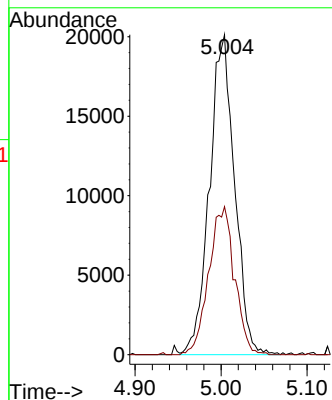
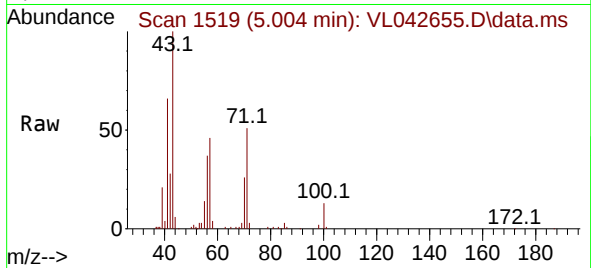




#10
Heptane
Concen: 1.970 ppbv
RT: 5.004 min Scan# 11
Delta R.T. 0.022 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

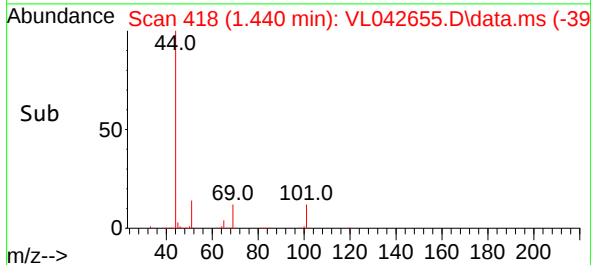
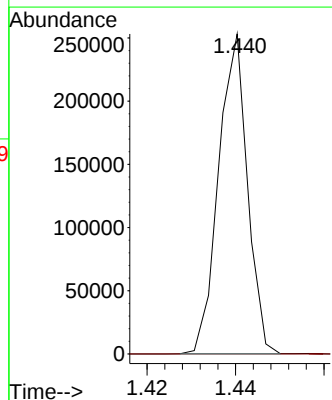
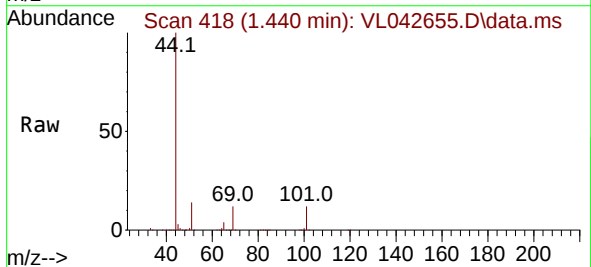
Instrument :
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ClientSampleId :
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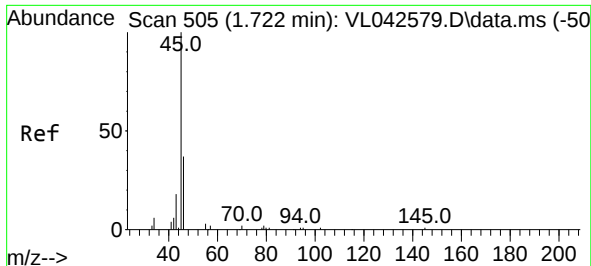
Tgt Ion: 43 Resp: 40824
Ion Ratio Lower Upper
43 100
57 47.4 38.9 58.3



#11
Trichlorofluoromethane
Concen: 9.281 ppbv
RT: 1.440 min Scan# 418
Delta R.T. -0.437 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion:101 Resp: 114461
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#

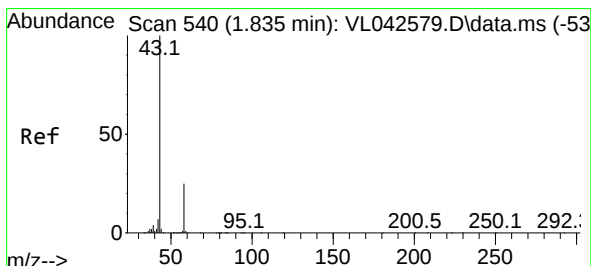
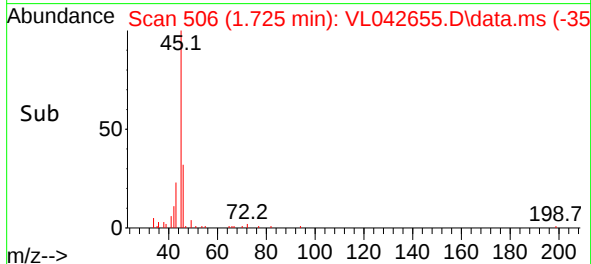
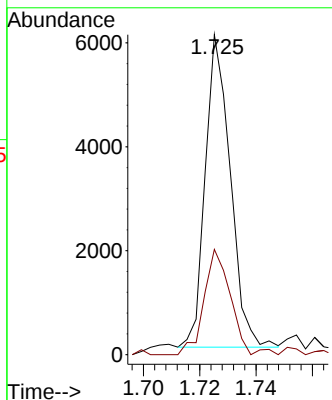
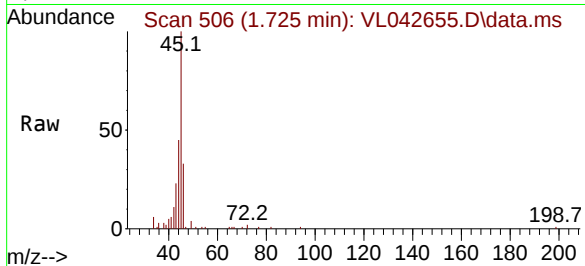




#13
Ethanol
Concen: 4.238 ppbv
RT: 1.725 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

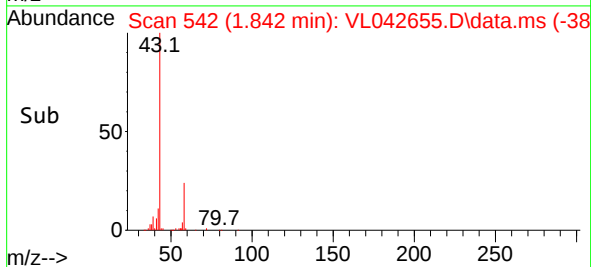
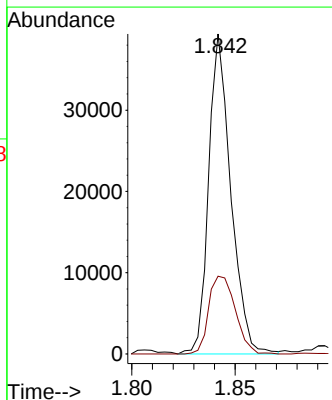
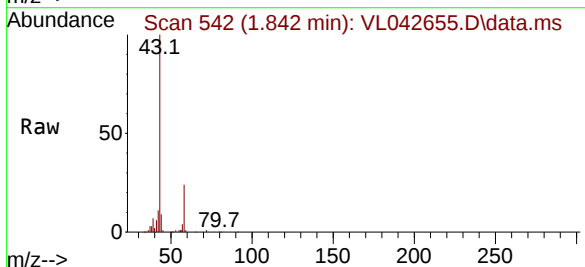
Instrument :
MSVOA_L
ClientSampleId :
SV1

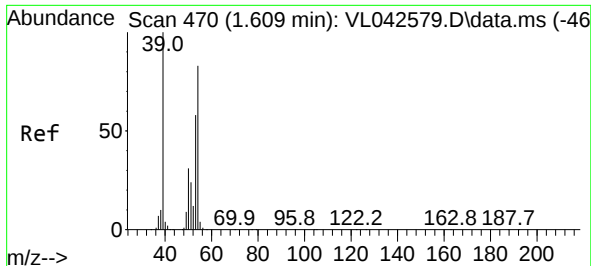
Tgt Ion: 45 Resp: 3713
Ion Ratio Lower Upper
45 100
46 36.5 14.5 58.1



#15
Acetone
Concen: 2.260 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.006 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 43 Resp: 29355
Ion Ratio Lower Upper
43 100
58 29.2 21.0 31.4

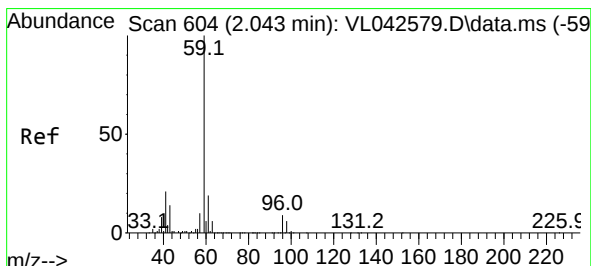
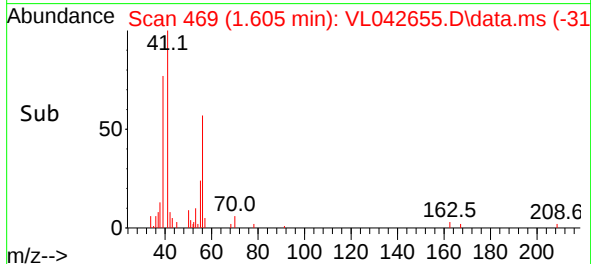
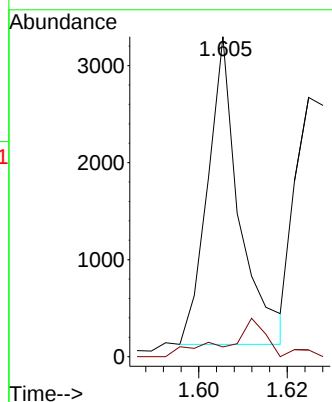
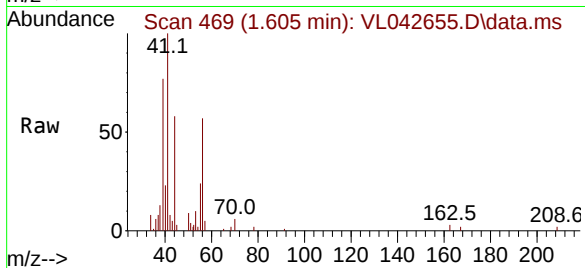




#16
1,3-Butadiene
Concen: 0.257 ppbv
RT: 1.605 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

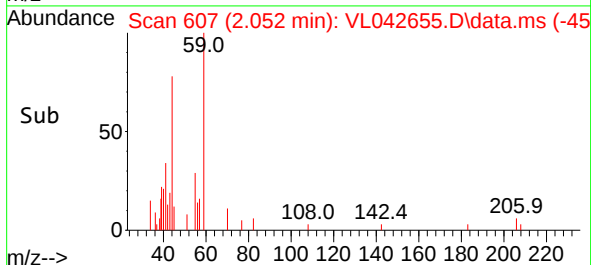
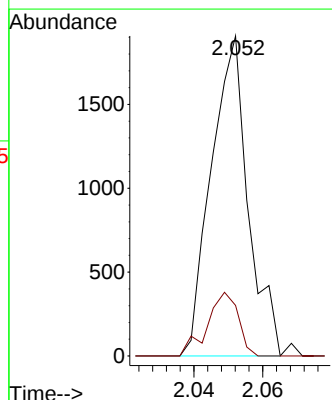
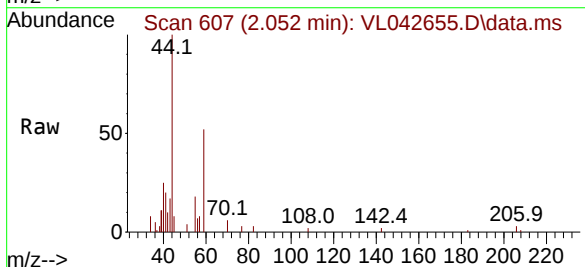
Instrument :
MSVOA_L
ClientSampleId :
SV1

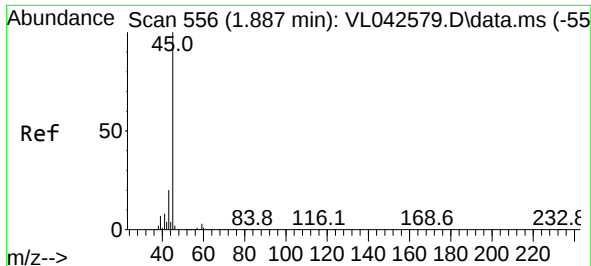
Tgt Ion: 39 Resp: 1581
Ion Ratio Lower Upper
39 100
54 18.0 57.9 86.9#



#17
tert-Butyl alcohol
Concen: 0.105 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.010 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 59 Resp: 1418
Ion Ratio Lower Upper
59 100
57 16.7 8.6 12.8#

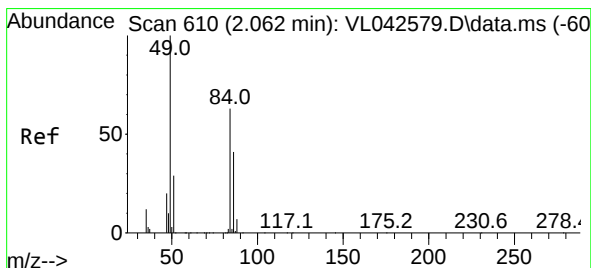
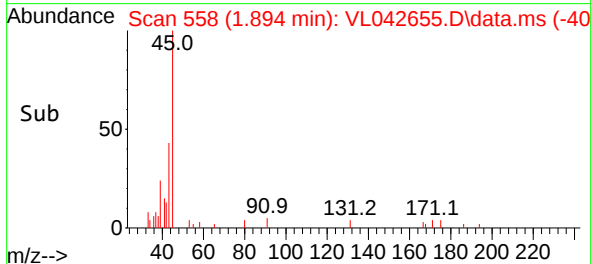
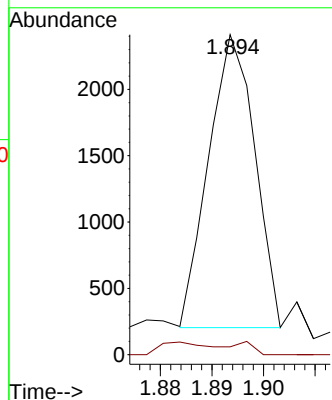
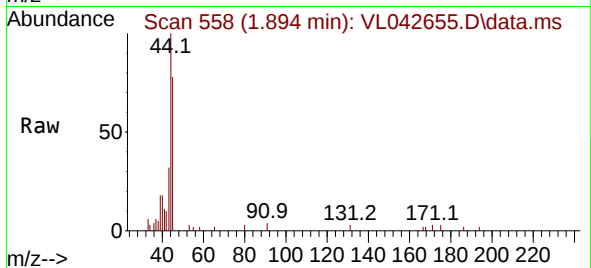




#19
Isopropyl Alcohol
Concen: 0.177 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

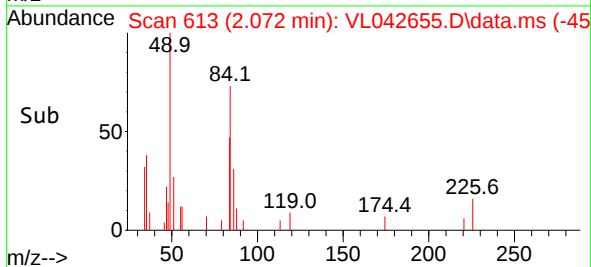
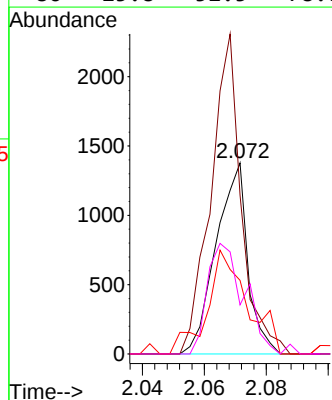
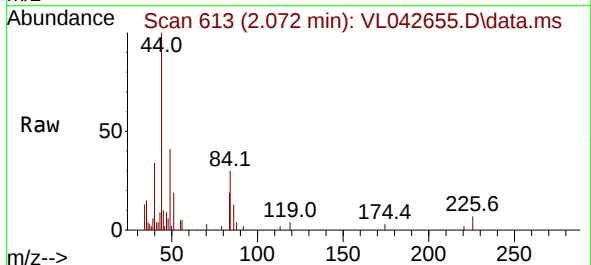
Instrument :
MSVOA_L
ClientSampleId :
SV1

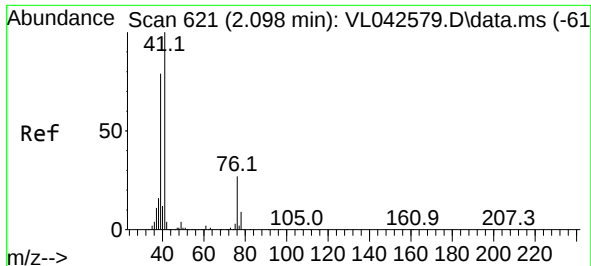
Tgt Ion: 45 Resp: 1375
Ion Ratio Lower Upper
45 100
58 624.4 29.4 44.2#



#20
Methylene Chloride
Concen: 0.228 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.010 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 84 Resp: 976
Ion Ratio Lower Upper
84 100
49 88.0 128.8 193.2#
51 38.5 38.6 57.8#
86 25.8 52.5 78.7#





#21

Allyl Chloride

Concen: 0.030 ppbv

RT: 2.081 min Scan# 61

Delta R.T. -0.016 min

Lab File: VL042655.D

Acq: 19 Jun 2025 15:09

Instrument :

MSVOA_L

ClientSampleId :

SV1

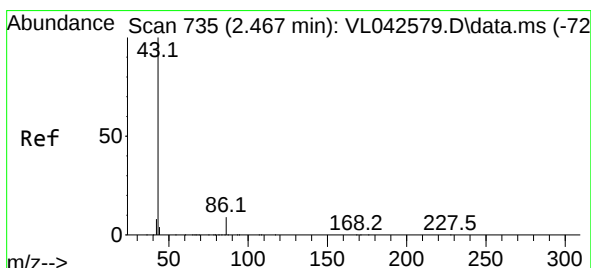
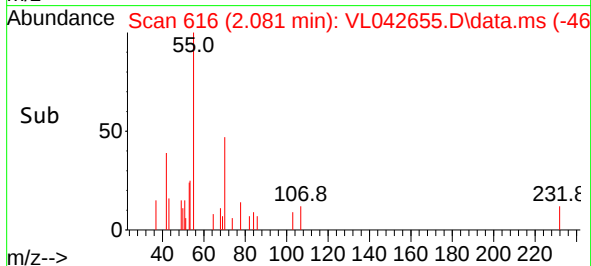
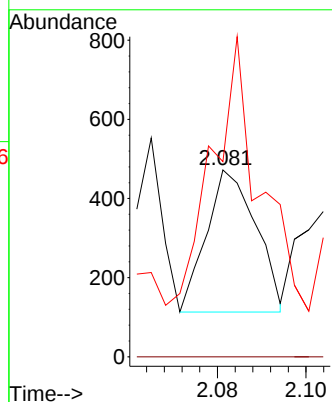
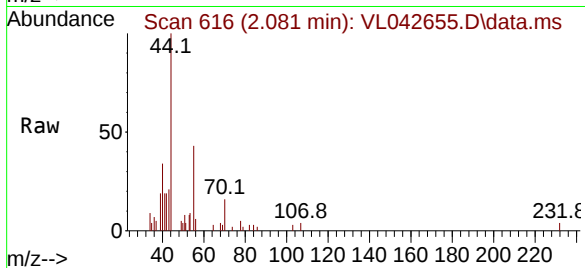
Tgt Ion: 41 Resp: 279

Ion Ratio Lower Upper

41 100

76 0.0 21.2 31.8#

39 283.9 60.9 91.3#



#23

Vinyl Acetate

Concen: 0.303 ppbv

RT: 2.479 min Scan# 739

Delta R.T. 0.013 min

Lab File: VL042655.D

Acq: 19 Jun 2025 15:09

Tgt Ion: 43 Resp: 5321

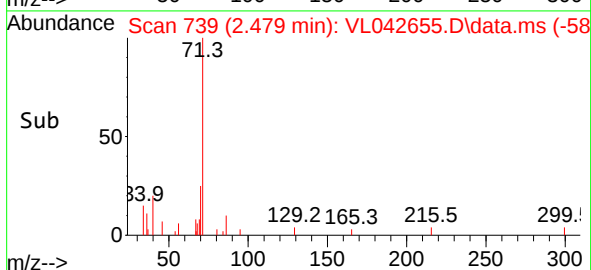
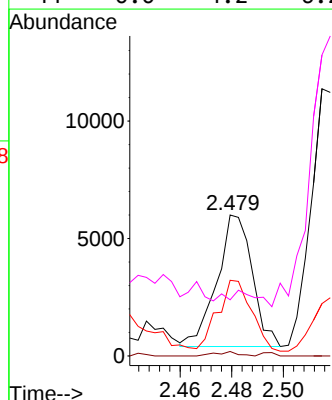
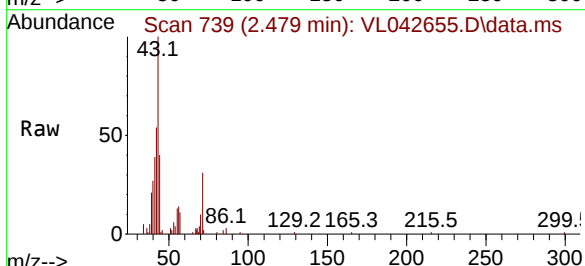
Ion Ratio Lower Upper

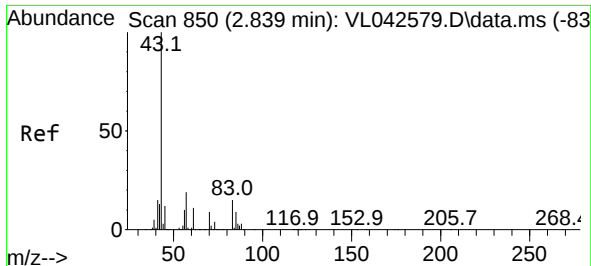
43 100

86 3.4 6.6 9.8#

42 53.9 7.0 10.4#

44 0.0 4.2 6.2#

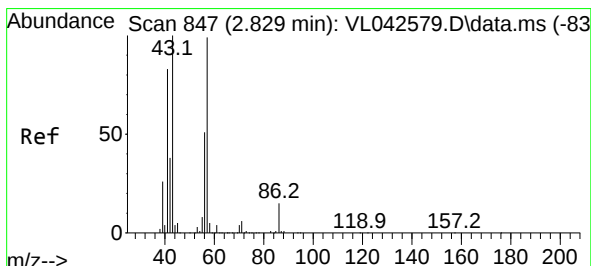
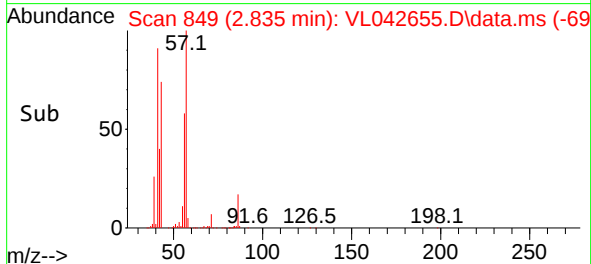
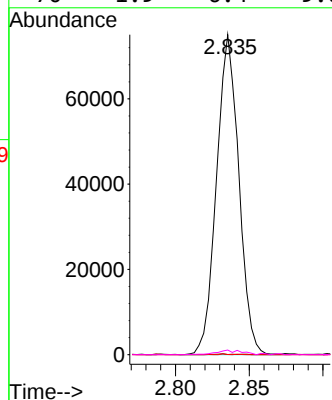
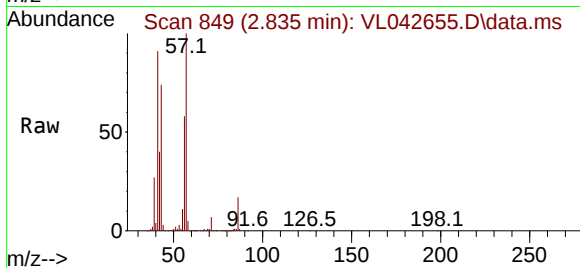




#25
Ethyl Acetate
Concen: 2.220 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

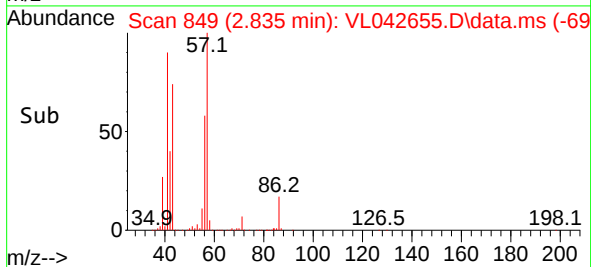
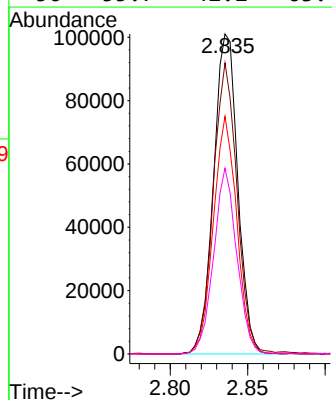
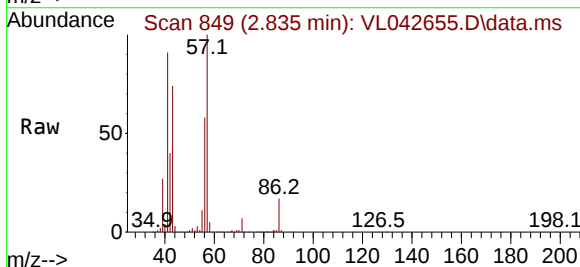
Instrument :
MSVOA_1
ClientSampleId :
SV1

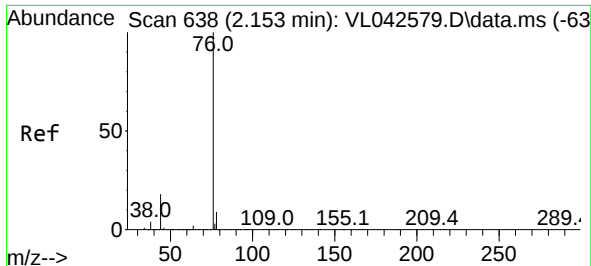
Tgt Ion: 43	Resp: 78945
Ion Ratio	Lower Upper
43 100	
45 0.2	8.2 12.2#
61 0.0	7.1 10.7#
70 1.9	6.4 9.6#



#26
Hexane
Concen: 6.789 ppbv
RT: 2.835 min Scan# 849
Delta R.T. 0.006 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 57	Resp: 109668
Ion Ratio	Lower Upper
57 100	
41 90.5	70.6 106.0
43 72.4	181.1 271.7#
56 55.7	42.2 63.4

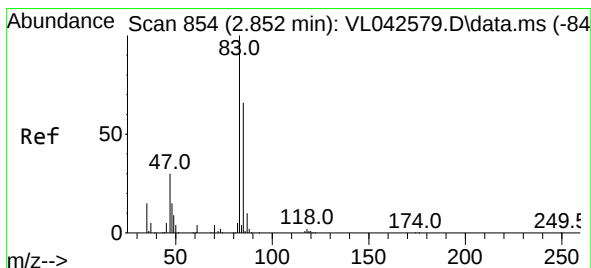
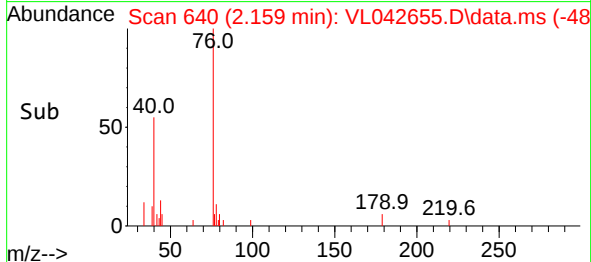
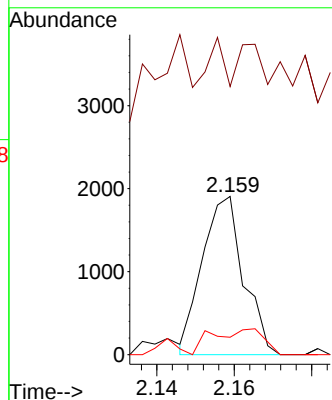
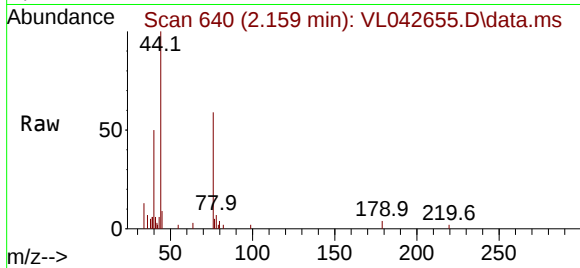




#27
Carbon Disulfide
Concen: 0.114 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.006 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

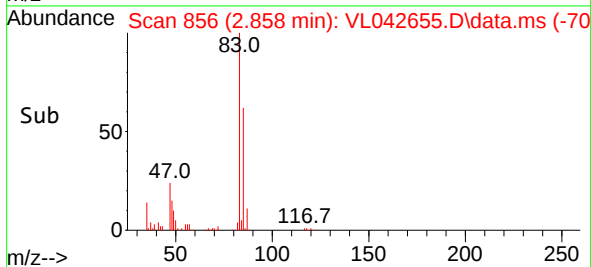
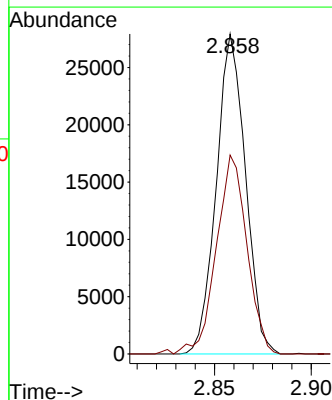
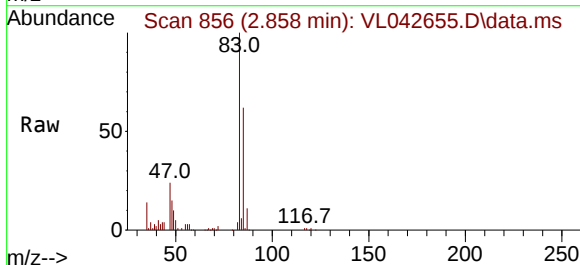
Instrument :
MSVOA_L
ClientSampleId :
SV1

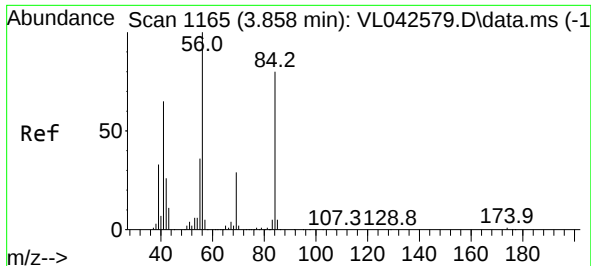
Tgt Ion: 76 Resp: 1413
Ion Ratio Lower Upper
76 100
44 0.0 21.3 31.9#
78 25.1 9.4 14.0#



#29
Chloroform
Concen: 1.392 ppbv
RT: 2.858 min Scan# 856
Delta R.T. 0.006 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 83 Resp: 29238
Ion Ratio Lower Upper
83 100
85 62.2 52.8 79.2

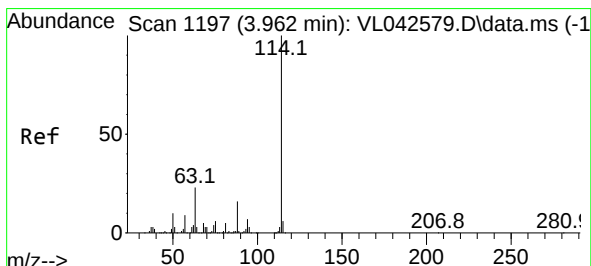
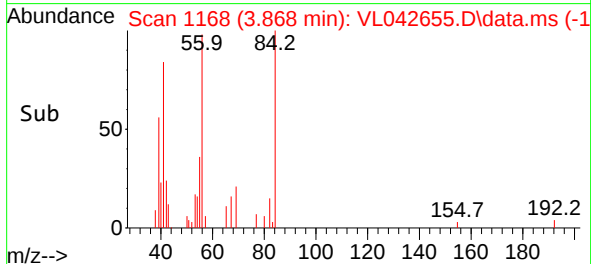
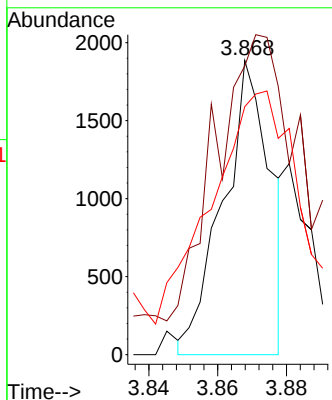
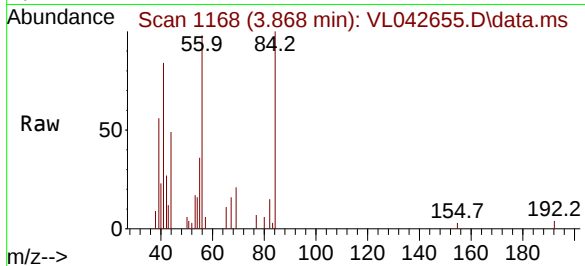




#30
Cyclohexane
Concen: 0.134 ppbv
RT: 3.868 min Scan# 1165
Delta R.T. 0.010 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

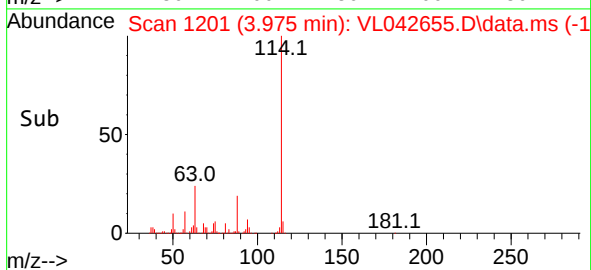
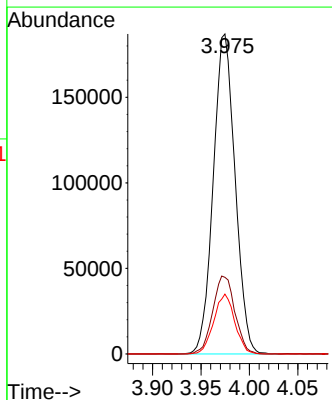
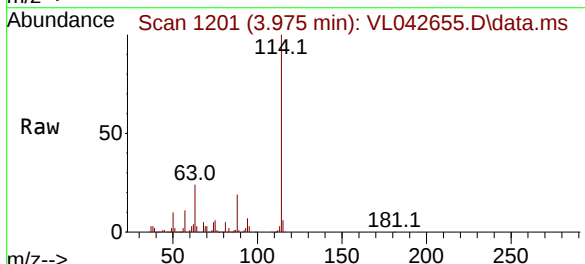
Instrument :
MSVOA_L
ClientSampleId :
SV1

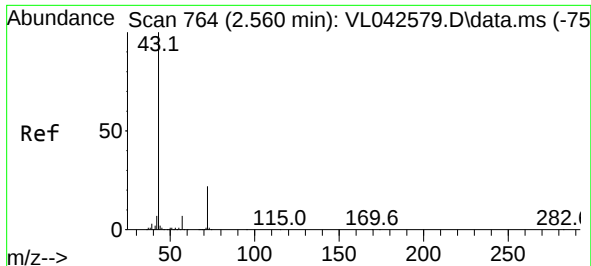
Tgt Ion: 84 Resp: 1793
Ion Ratio Lower Upper
84 100
56 234.6 103.7 155.5#
41 206.6 65.1 97.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.013 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 114 Resp: 293235
Ion Ratio Lower Upper
114 100
63 24.8 19.0 28.6
88 18.0 13.6 20.4

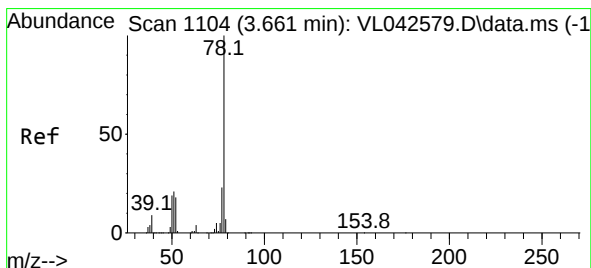
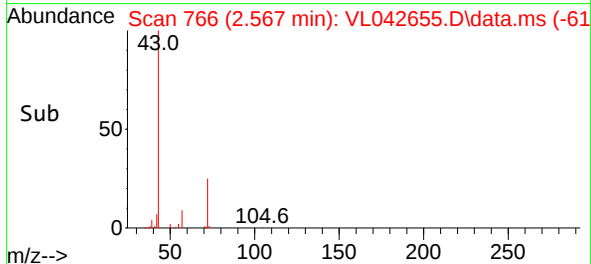
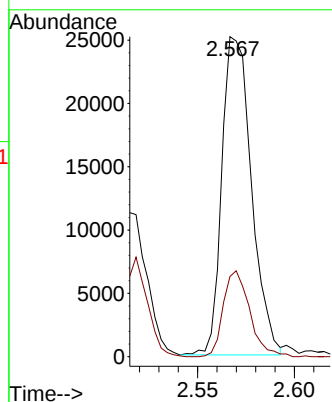
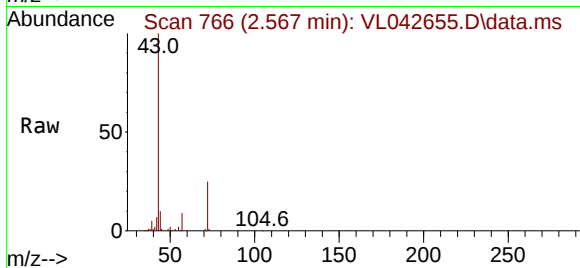




#34
2-Butanone
Concen: 1.278 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

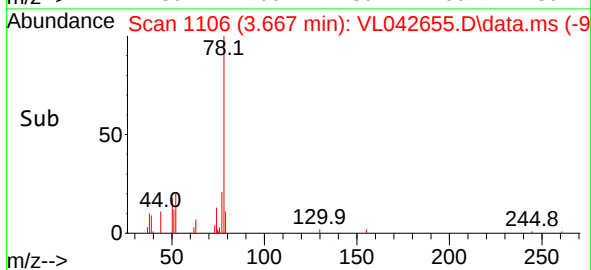
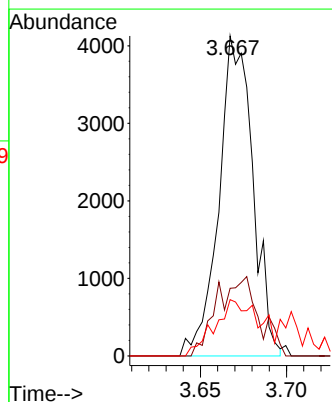
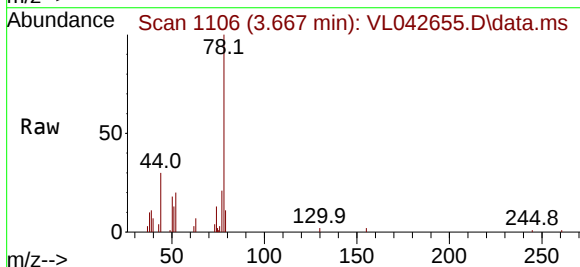
Instrument :
MSVOA_L
ClientSampleId :
SV1

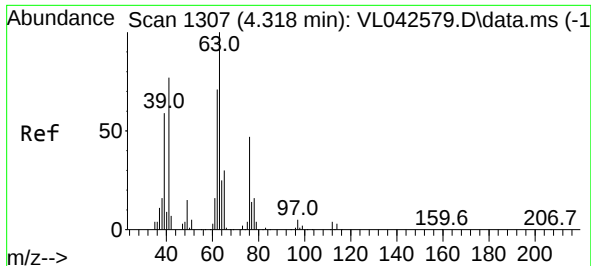
Tgt Ion: 43 Resp: 26717
Ion Ratio Lower Upper
43 100
72 24.2 17.7 26.5



#36
Benzene
Concen: 0.196 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 78 Resp: 5662
Ion Ratio Lower Upper
78 100
77 21.2 18.2 27.2
50 17.6 15.2 22.8





#39

1,2-Dichloropropane

Concen: 6.797 ppbv

RT: 3.971 min Scan# 11

Delta R.T. -0.347 min

Lab File: VL042655.D

Acq: 19 Jun 2025 15:09

Instrument :

MSVOA_L

ClientSampleId :

SV1

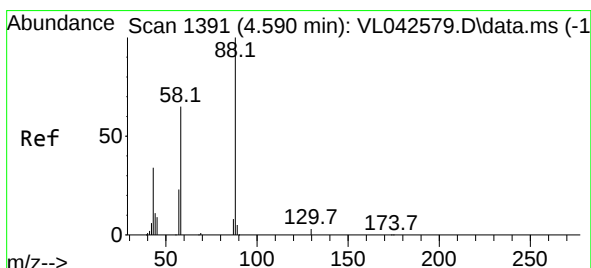
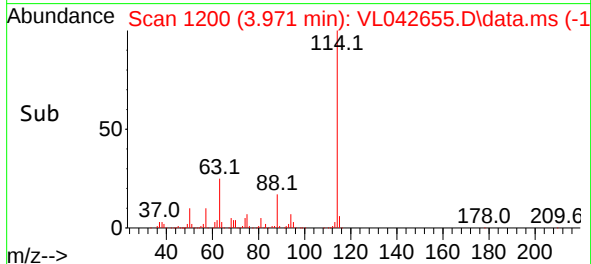
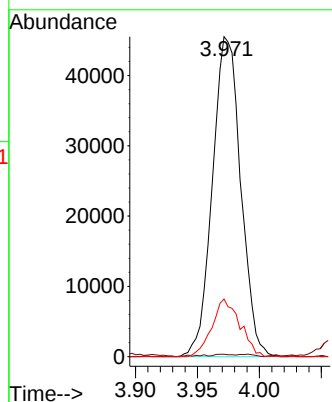
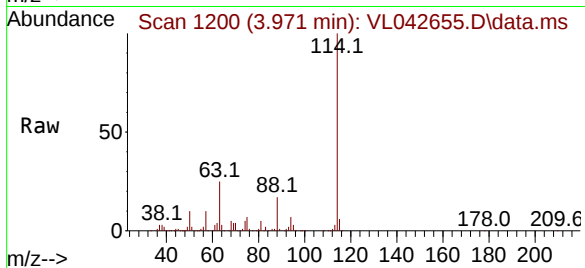
Tgt Ion: 63 Resp: 72584

Ion Ratio Lower Upper

63 100

41 0.5 61.8 92.6#

62 18.0 56.6 85.0#



#40

1,4-Dioxane

Concen: 0.117 ppbv

RT: 4.622 min Scan# 1401

Delta R.T. 0.032 min

Lab File: VL042655.D

Acq: 19 Jun 2025 15:09

Tgt Ion: 88 Resp: 557

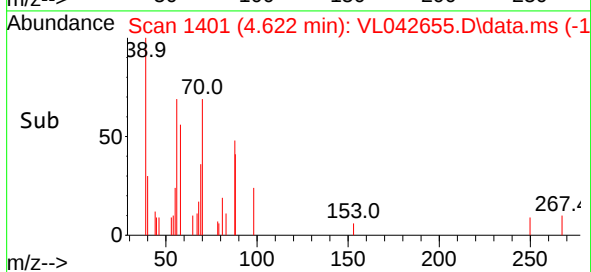
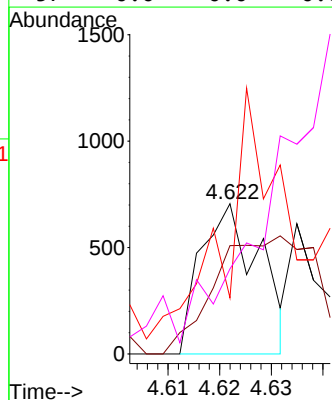
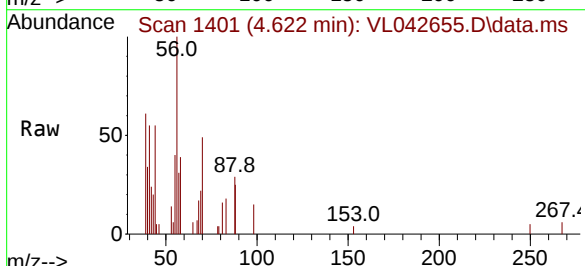
Ion Ratio Lower Upper

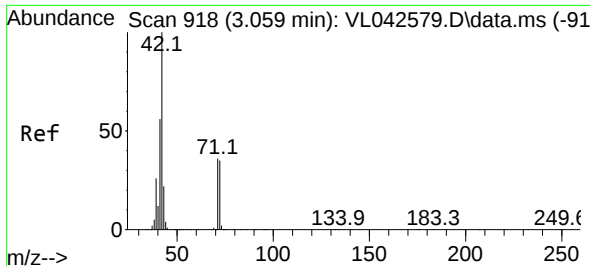
88 100

58 0.0 55.8 83.8#

43 494.3 24.8 37.2#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.549 ppbv

RT: 3.075 min Scan# 91

Delta R.T. 0.016 min

Lab File: VL042655.D

Acq: 19 Jun 2025 15:09

Instrument :

MSVOA_L

ClientSampleId :

SV1

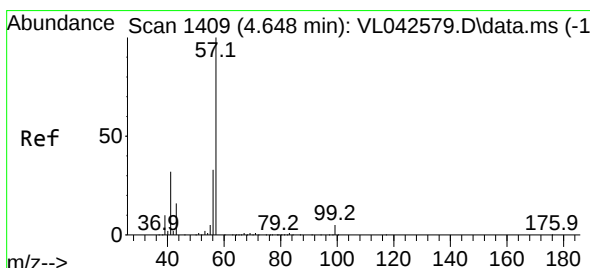
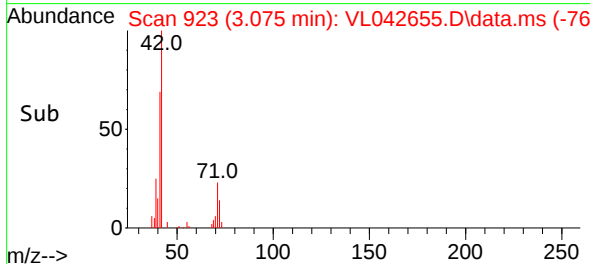
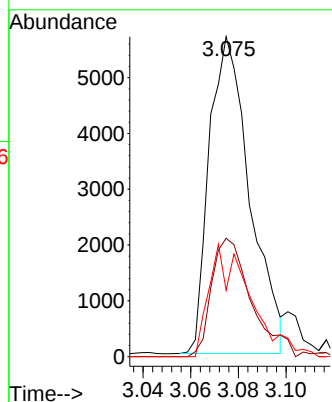
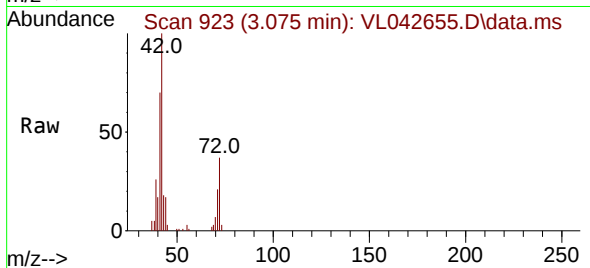
Tgt Ion: 42 Resp: 6721

Ion Ratio Lower Upper

42 100

72 37.2 28.9 43.3

71 36.0 28.5 42.7



#44

2,2,4-Trimethylpentane

Concen: 0.092 ppbv

RT: 4.661 min Scan# 1413

Delta R.T. 0.013 min

Lab File: VL042655.D

Acq: 19 Jun 2025 15:09

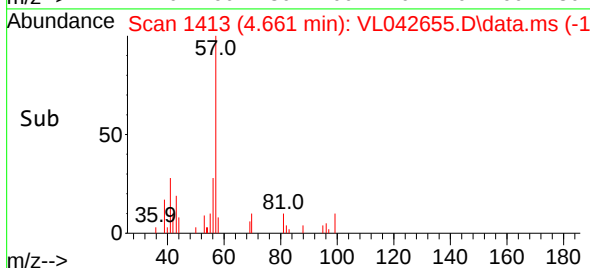
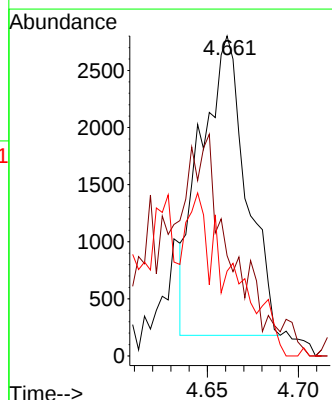
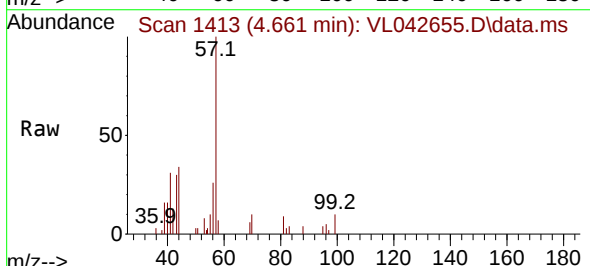
Tgt Ion: 57 Resp: 4552

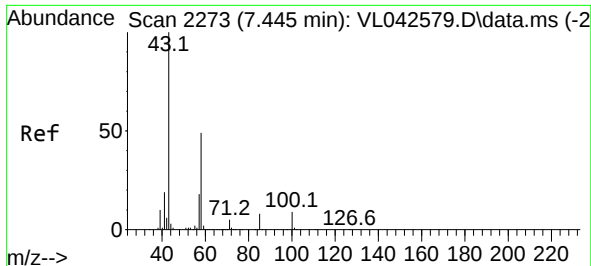
Ion Ratio Lower Upper

57 100

41 140.3 26.1 39.1#

56 107.7 25.9 38.9#

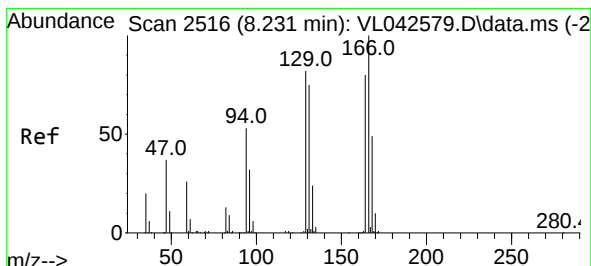
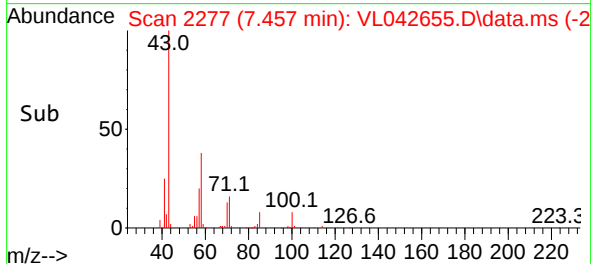
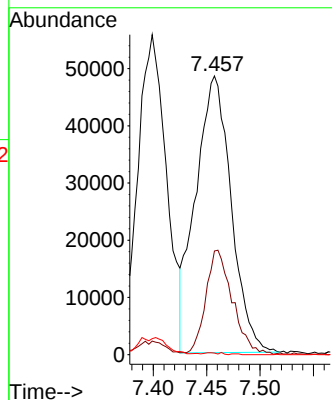
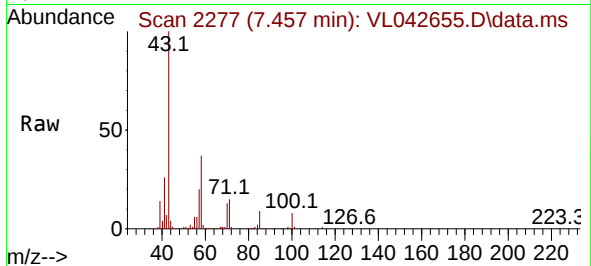




#51
2-Hexanone
Concen: 4.864 ppbv
RT: 7.457 min Scan# 2118
Delta R.T. 0.013 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

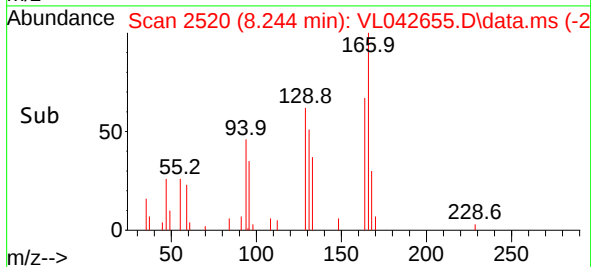
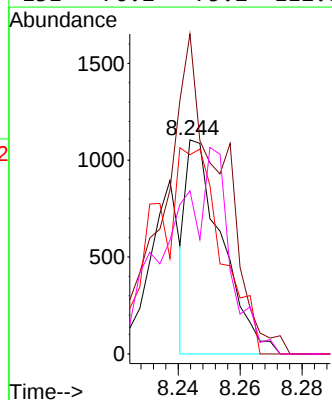
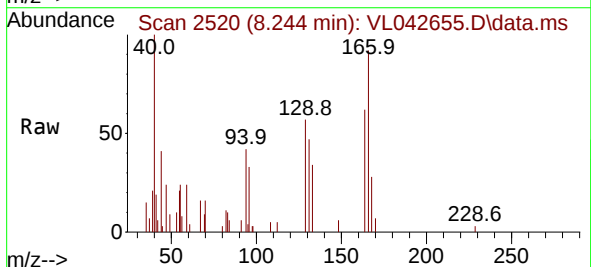
Instrument :
MSVOA_L
ClientSampleId :
SV1

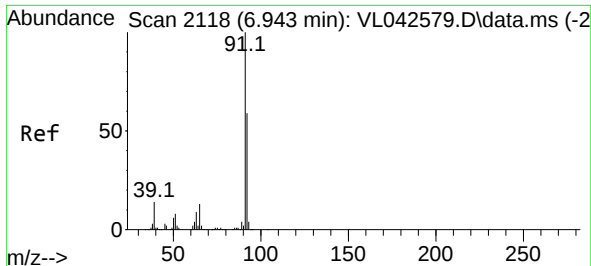
Tgt Ion: 43 Resp: 111899
Ion Ratio Lower Upper
43 100
58 28.8 39.9 59.9#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.082 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.013 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 164 Resp: 883
Ion Ratio Lower Upper
164 100
166 141.0 100.0 150.0
129 93.0 82.2 123.4
131 76.2 75.2 112.8

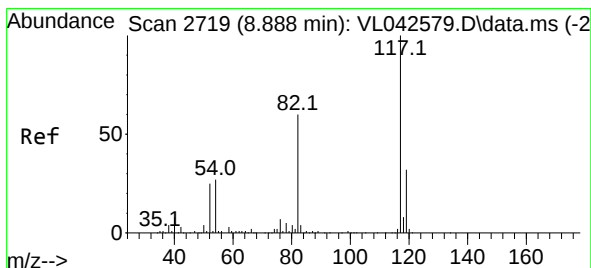
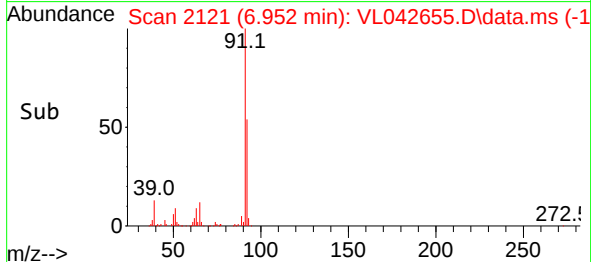
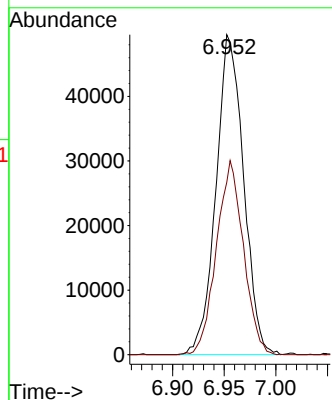
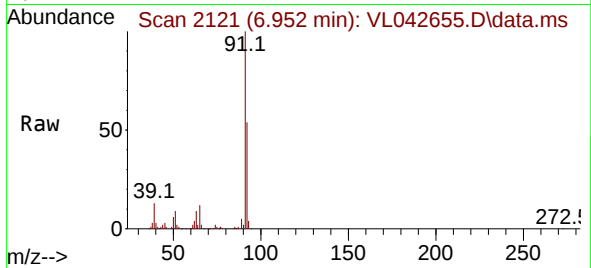




#53
Toluene
Concen: 2.760 ppbv
RT: 6.952 min Scan# 2118
Delta R.T. 0.010 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

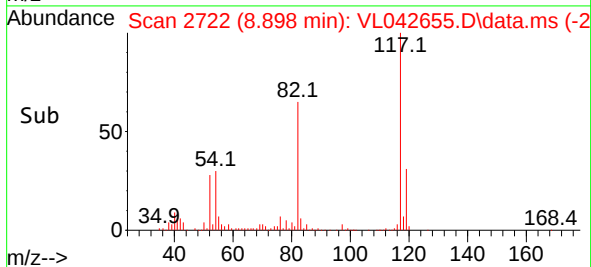
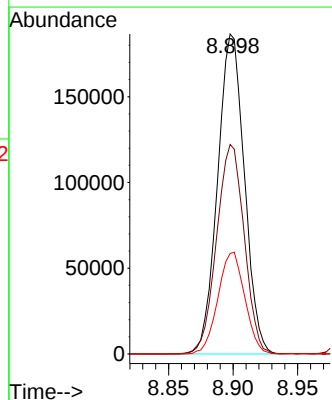
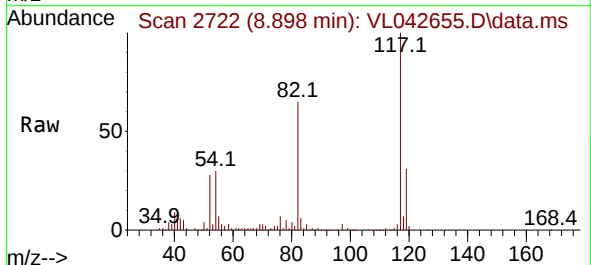
Instrument :
MSVOA_L
ClientSampleId :
SV1

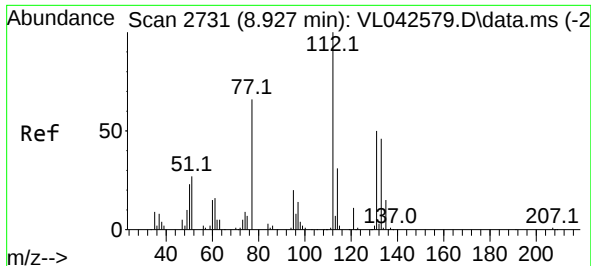
Tgt Ion: 91 Resp: 92112
Ion Ratio Lower Upper
91 100
92 59.5 48.2 72.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. 0.010 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 117 Resp: 269229
Ion Ratio Lower Upper
117 100
82 67.5 51.2 76.8
119 31.9 26.3 39.5

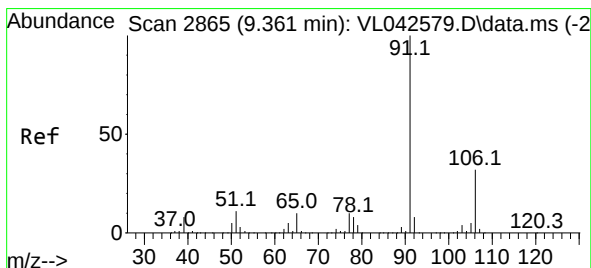
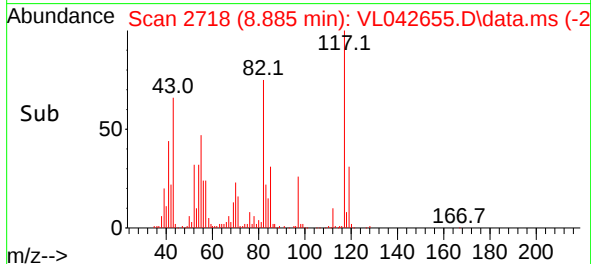
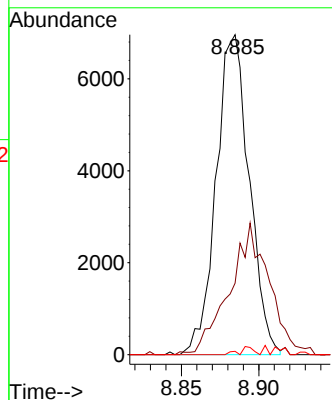
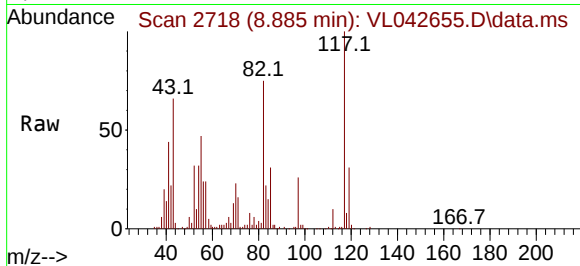




#57
Chlorobenzene
Concen: 0.395 ppbv
RT: 8.885 min Scan# 21
Delta R.T. -0.042 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

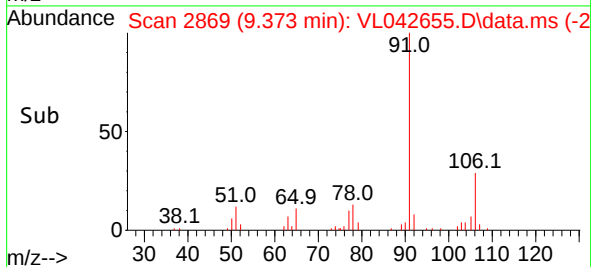
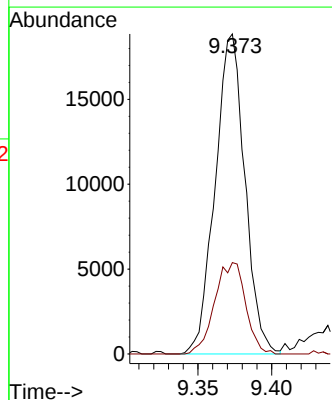
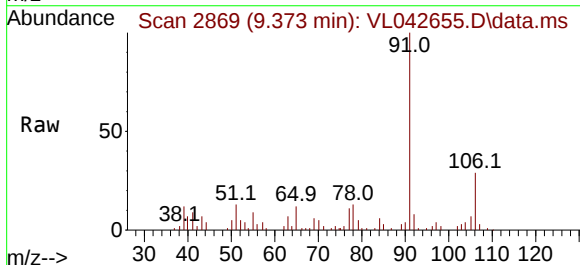
Instrument :
MSVOA_L
ClientSampleId :
SV1

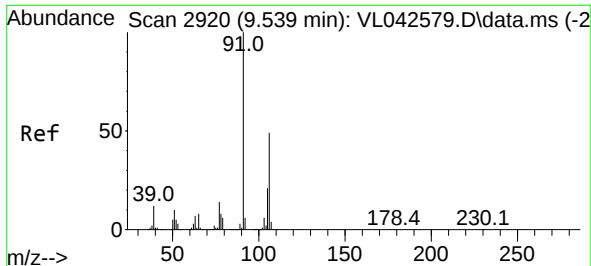
Tgt Ion:112 Resp: 10336
Ion Ratio Lower Upper
112 100
77 21.4 53.5 80.3#
114 1.0 27.8 34.0#



#58
Ethyl Benzene
Concen: 0.579 ppbv
RT: 9.373 min Scan# 2869
Delta R.T. 0.013 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 91 Resp: 26427
Ion Ratio Lower Upper
91 100
106 28.6 25.9 38.9





#59

m/p-Xylene

Concen: 4.246 ppbv

RT: 9.548 min Scan# 2920

Delta R.T. 0.010 min

Lab File: VL042655.D

Acq: 19 Jun 2025 15:09

Instrument :

MSVOA_L

ClientSampleId :

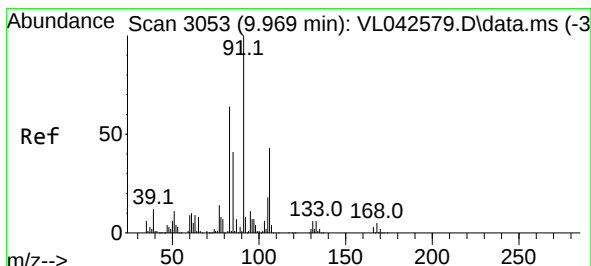
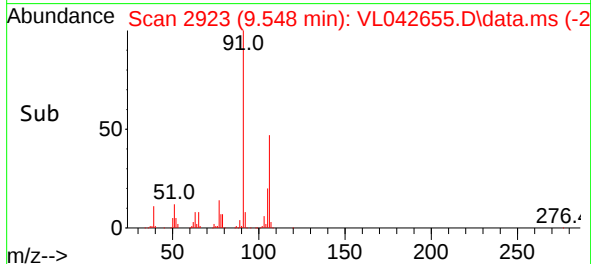
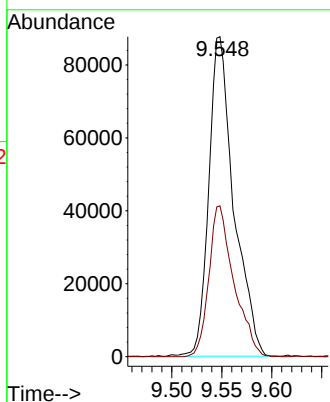
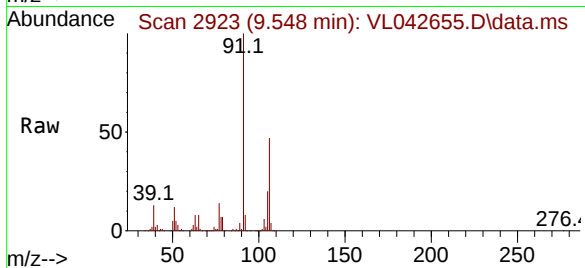
SV1

Tgt Ion: 91 Resp: 152600

Ion Ratio Lower Upper

91 100

106 47.3 38.8 58.2



#60

o-Xylene

Concen: 1.675 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. 0.013 min

Lab File: VL042655.D

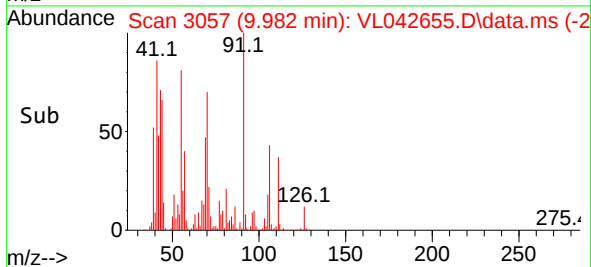
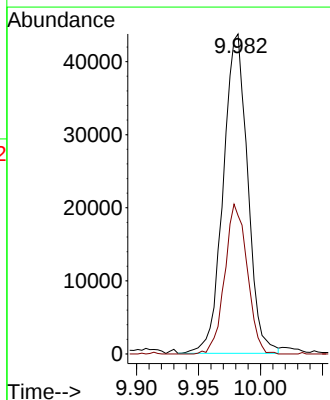
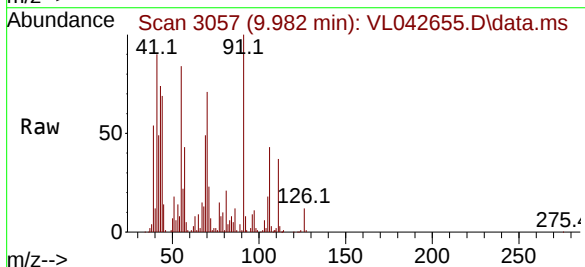
Acq: 19 Jun 2025 15:09

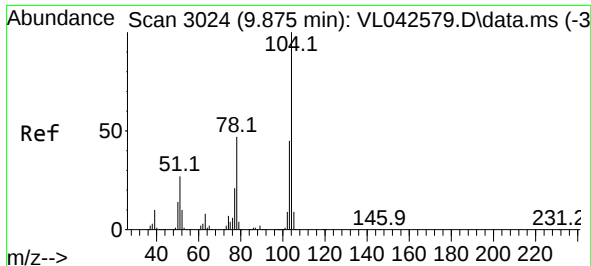
Tgt Ion: 91 Resp: 60051

Ion Ratio Lower Upper

91 100

106 43.1 22.9 68.5

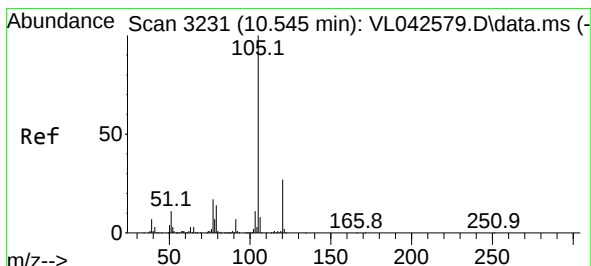
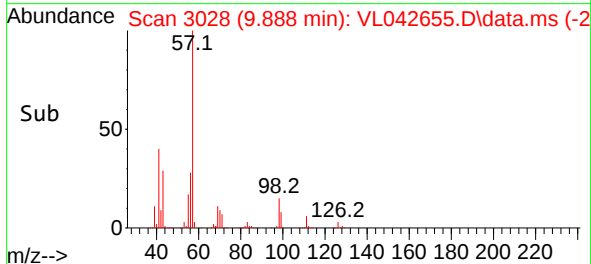
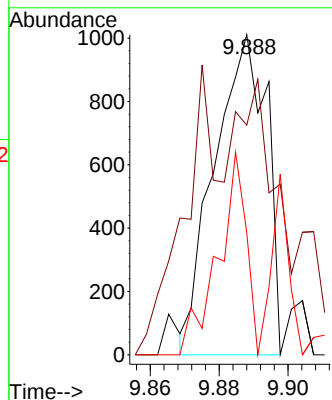
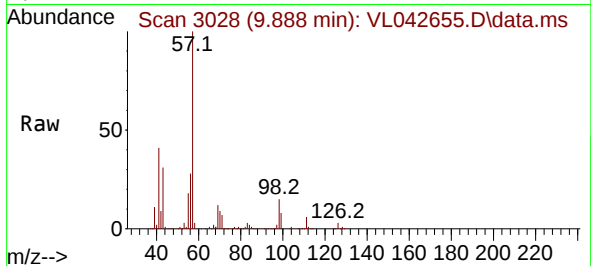




#61
Styrene
Concen: 0.063 ppbv
RT: 9.888 min Scan# 3024
Delta R.T. 0.013 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

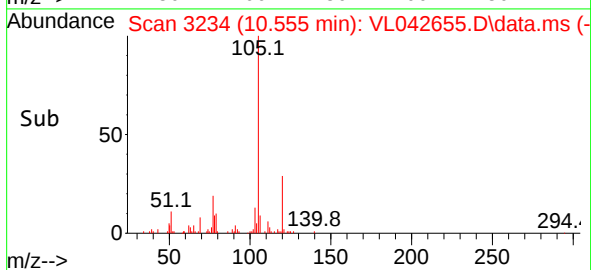
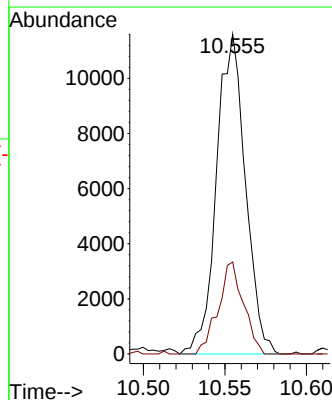
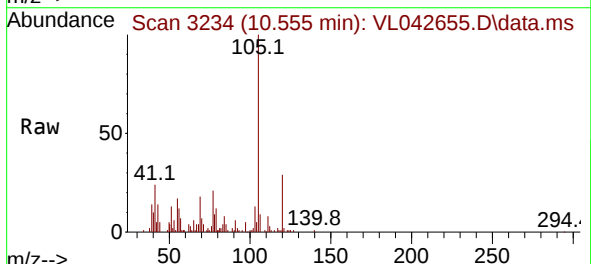
Instrument :
MSVOA_L
ClientSampleId :
SV1

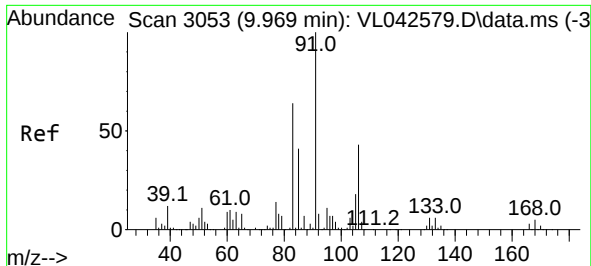
Tgt Ion:104 Resp: 1063
Ion Ratio Lower Upper
104 100
78 134.1 38.2 57.4#
103 56.3 36.7 55.1#



#62
Isopropylbenzene
Concen: 0.270 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.010 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion:105 Resp: 14294
Ion Ratio Lower Upper
105 100
120 25.2 20.9 31.3

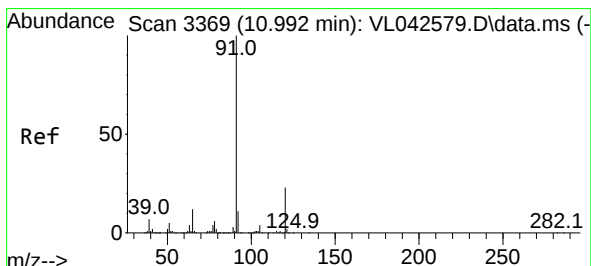
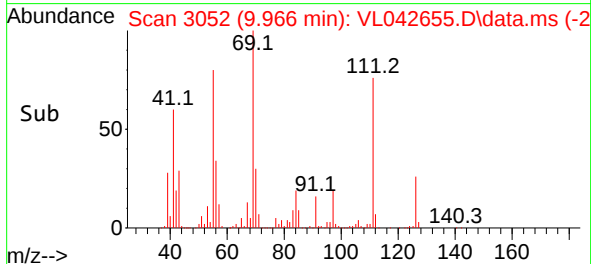
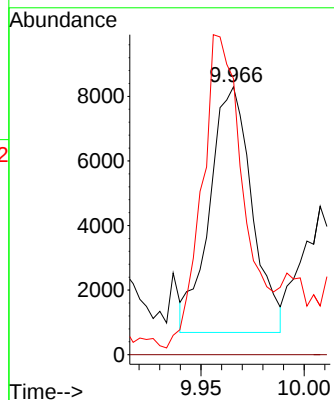
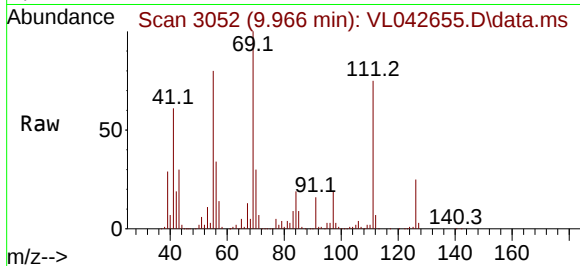




#63
1,1,2,2-Tetrachloroethane
Concen: 0.475 ppbv
RT: 9.966 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

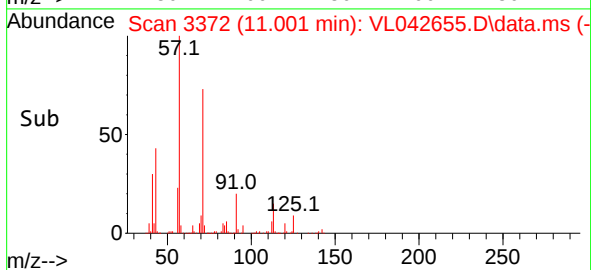
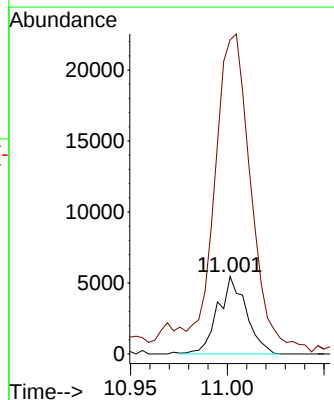
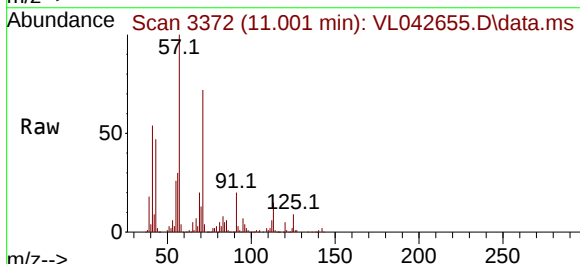
Instrument :
MSVOA_L
ClientSampleId :
SV1

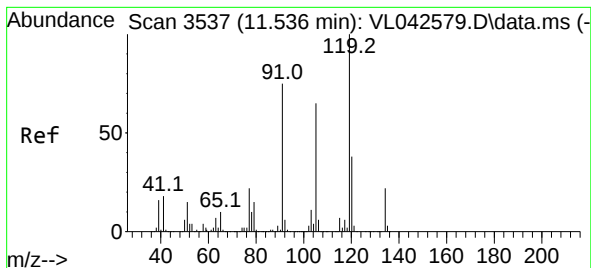
Tgt Ion: 83 Resp: 10830
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 139.9 32.5 97.4#



#64
n-propylbenzene
Concen: 0.391 ppbv
RT: 11.001 min Scan# 3372
Delta R.T. 0.010 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 120 Resp: 5555
Ion Ratio Lower Upper
120 100
91 629.0 363.0 544.6#





#65

tert-Butylbenzene

Concen: 0.139 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042655.D

Acq: 19 Jun 2025 15:09

Instrument :

MSVOA_L

ClientSampleId :

SV1

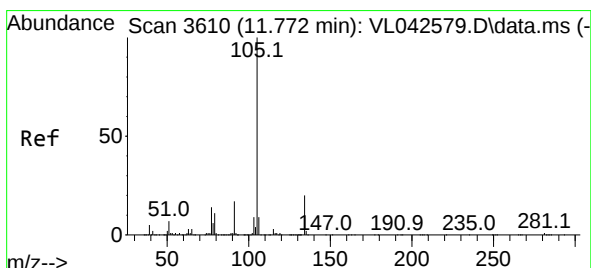
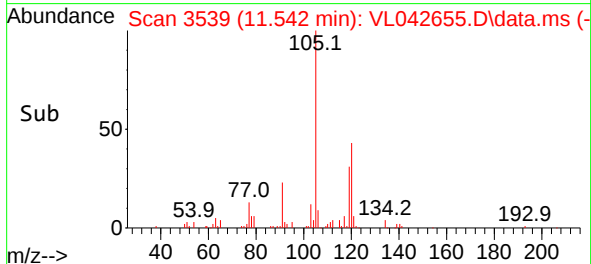
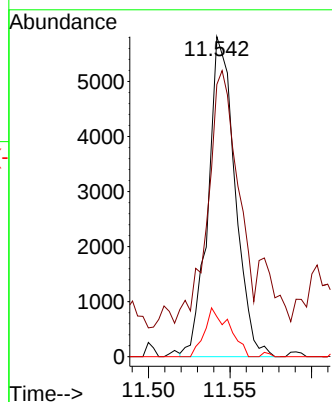
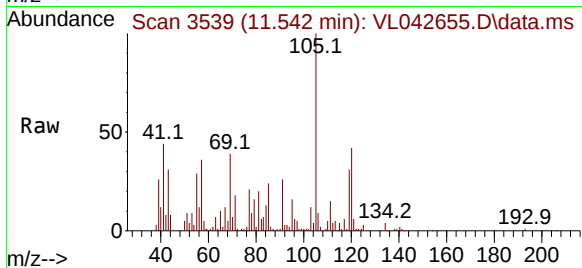
Tgt Ion:119 Resp: 6678

Ion Ratio Lower Upper

119 100

91 128.9 61.1 91.7#

134 14.4 17.4 26.2#



#67

sec-Butylbenzene

Concen: 0.112 ppbv

RT: 11.778 min Scan# 3612

Delta R.T. 0.006 min

Lab File: VL042655.D

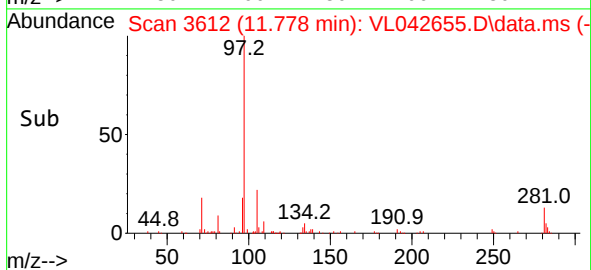
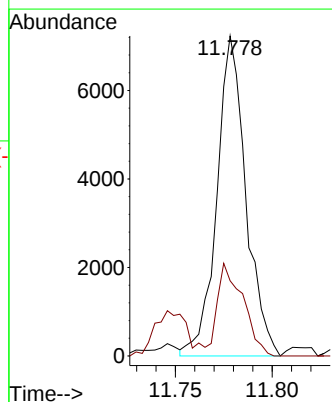
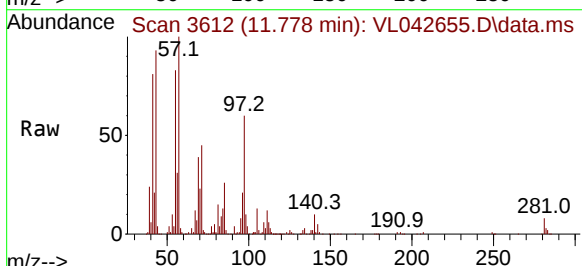
Acq: 19 Jun 2025 15:09

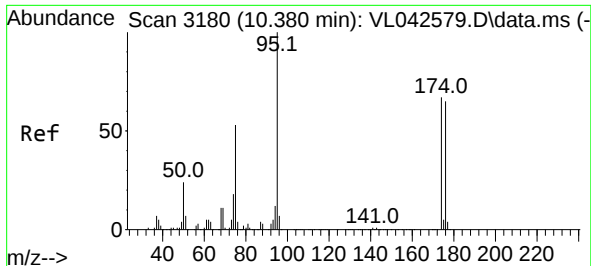
Tgt Ion:105 Resp: 7536

Ion Ratio Lower Upper

105 100

134 26.8 15.8 23.6#

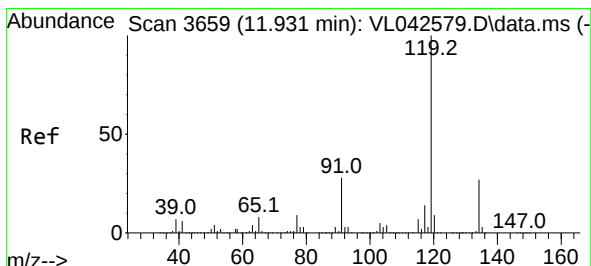
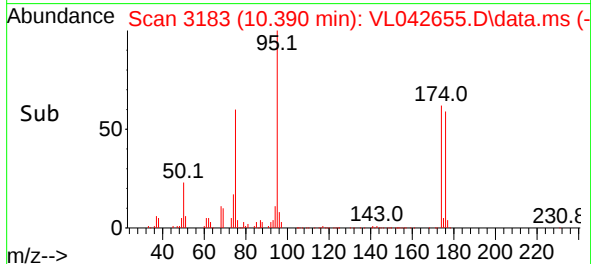
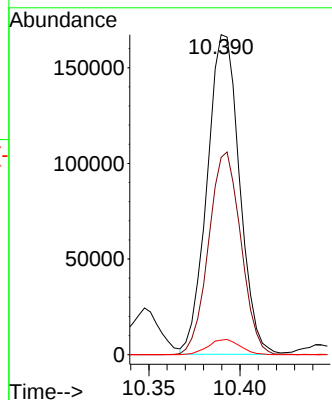
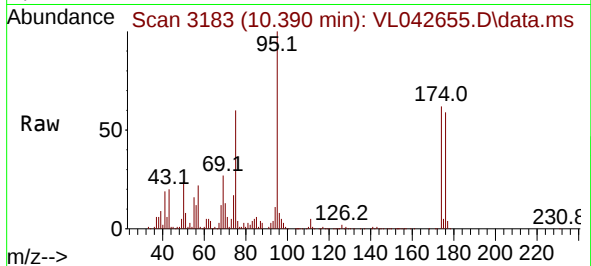




#68
1-Bromo-4-Fluorobenzene
Concen: 10.243 ppbv
RT: 10.390 min Scan# 3180
Delta R.T. 0.010 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

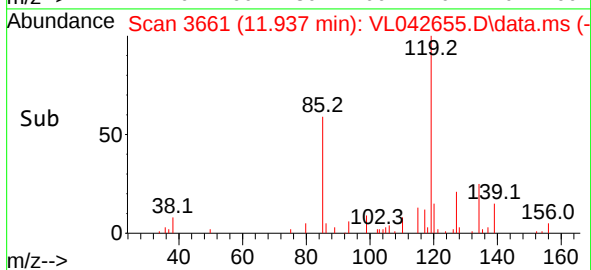
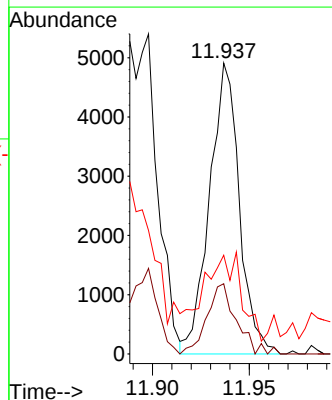
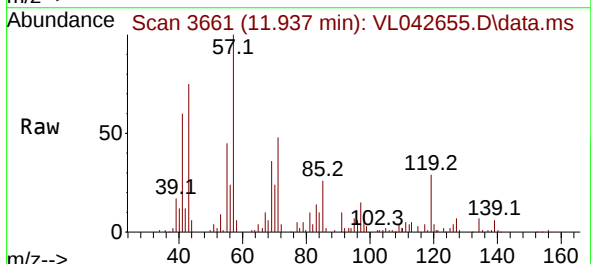
Instrument :
MSVOA_L
ClientSampleId :
SV1

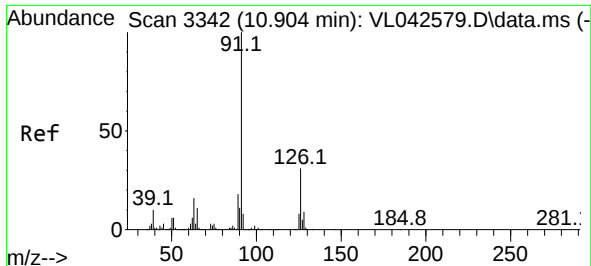
Tgt Ion: 95 Resp: 206728
Ion Ratio Lower Upper
95 100
174 63.2 53.1 79.7
175 4.7 4.2 6.2



#69
p-Isopropyltoluene
Concen: 0.093 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.006 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 119 Resp: 5251
Ion Ratio Lower Upper
119 100
134 23.5 21.1 31.7
91 43.9 21.9 32.9

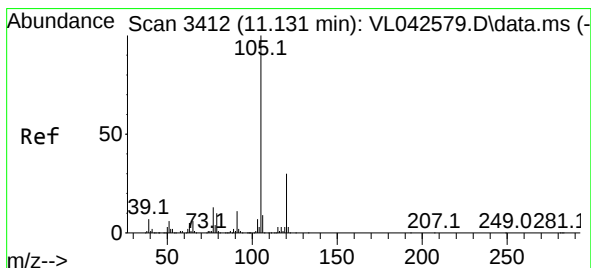
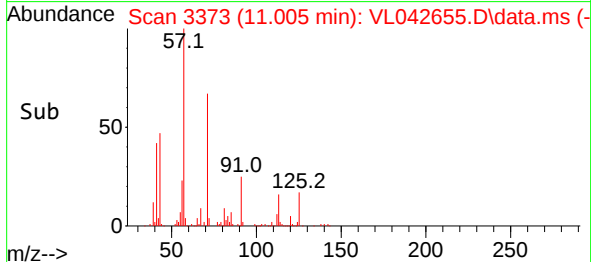
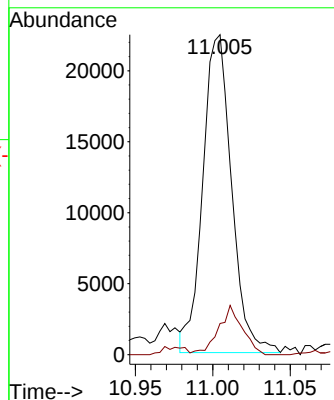
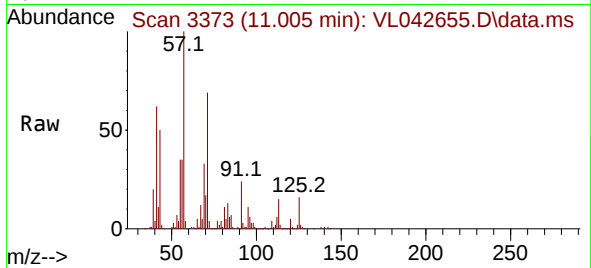




#71
2-Chlorotoluene
Concen: 0.716 ppbv
RT: 11.005 min Scan# 31
Delta R.T. 0.100 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

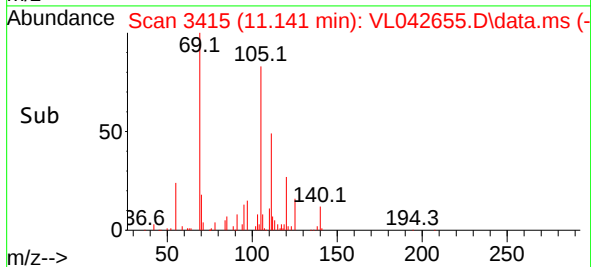
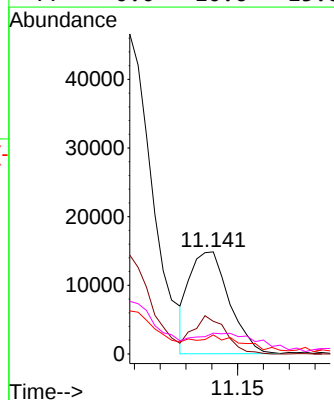
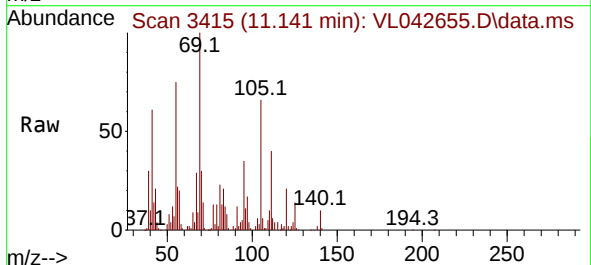
Instrument :
MSVOA_L
ClientSampleId :
SV1

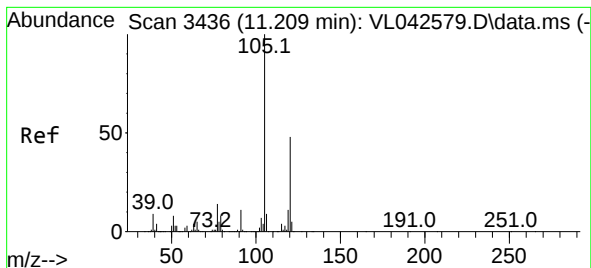
Tgt Ion: 91 Resp: 28930
Ion Ratio Lower Upper
91 100
126 14.8 12.6 50.4



#72
4-Ethyltoluene
Concen: 0.354 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.010 min
Lab File: VL042655.D
Acq: 19 Jun 2025 15:09

Tgt Ion: 105 Resp: 15820
Ion Ratio Lower Upper
105 100
120 0.0 24.6 36.8#
91 0.0 9.6 14.4#
77 0.0 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.825 ppbv

RT: 11.215 min Scan# 3436

Delta R.T. 0.006 min

Lab File: VL042655.D

Acq: 19 Jun 2025 15:09

Instrument :

MSVOA_L

ClientSampleId :

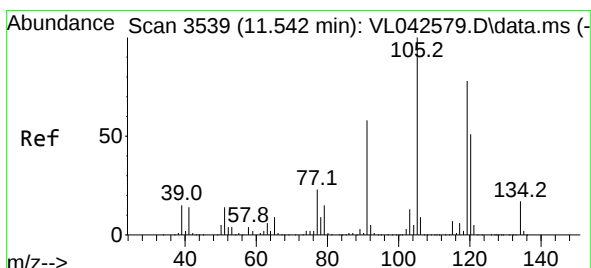
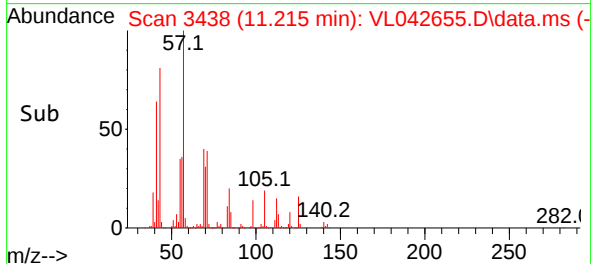
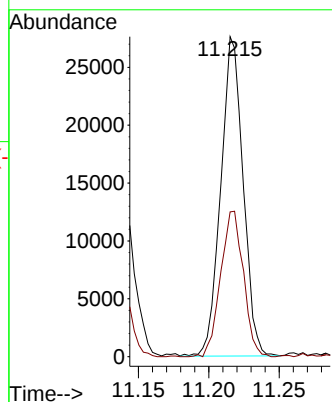
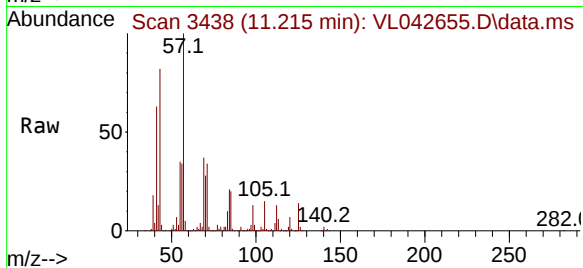
SV1

Tgt Ion:105 Resp: 30506

Ion Ratio Lower Upper

105 100

120 45.4 38.8 58.2



#74

1,2,4-Trimethylbenzene

Concen: 0.734 ppbv

RT: 11.548 min Scan# 3541

Delta R.T. 0.006 min

Lab File: VL042655.D

Acq: 19 Jun 2025 15:09

Tgt Ion:105 Resp: 30144

Ion Ratio Lower Upper

105 100

120 47.7 40.8 61.2

91 14.9 46.8 70.2#

77 13.4 18.2 27.2#

