

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042651.D
 Acq On : 19 Jun 2025 11:58
 Operator : SY/MD
 Sample : Q2359-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Quant Time: Jun 20 01:36:17 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	2.803	49	116867	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.978	114	292359	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.898	117	253888	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	204963	10.769	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	8300	0.578	ppbv	91
3) Chlorodifluoromethane	1.450	51	39873	2.016	ppbv #	62
4) Chloromethane	1.534	50	13534	2.379	ppbv	99
5) Vinyl Chloride	1.583	62	194	0.033	ppbv #	44
7) Chloroethane	1.712	64	333	0.148	ppbv #	44
8) Dichlorotetrafluoroethane	1.499	85	8300	0.694	ppbv #	21
9) Propene	1.486	41	11276	1.415	ppbv	90
10) Heptane	5.007	43	44827	1.996	ppbv	95
11) Trichlorofluoromethane	1.887	101	3341	0.250	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.153	101	878	0.084	ppbv	86
13) Ethanol	1.729	45	96433	101.573	ppbv	96
15) Acetone	1.842	43	415203	29.495	ppbv	100
16) 1,3-Butadiene	1.625	39	1263	0.189	ppbv #	13
17) tert-Butyl alcohol	2.049	59	12937	0.882	ppbv	97
19) Isopropyl Alcohol	1.894	45	31874	3.788	ppbv #	1
20) Methylene Chloride	2.075	84	15655	3.370	ppbv	98
21) Allyl Chloride	2.091	41	655	0.066	ppbv #	21
22) trans-1,2-Dichloroethene	2.735	96	56862	10.466	ppbv	88
23) Vinyl Acetate	2.489	43	2635	0.138	ppbv #	62
24) 1,1-Dichloroethane	2.421	63	687	0.061	ppbv #	88
25) Ethyl Acetate	2.852	43	45842	1.190	ppbv #	96
26) Hexane	2.845	57	18589	1.062	ppbv	82
27) Carbon Disulfide	2.156	76	689	0.051	ppbv #	55
29) Chloroform	2.865	83	6123	0.269	ppbv	96
31) cis-1,2-Dichloroethene	2.735	61	88276	5.513	ppbv	95
34) 2-Butanone	2.570	43	60913	2.922	ppbv	99
35) Carbon Tetrachloride	3.781	117	2514	0.130	ppbv #	81
36) Benzene	3.677	78	16370	0.569	ppbv #	93
37) 1,2-Dichloroethane	3.234	62	895	0.063	ppbv #	78
39) 1,2-Dichloropropane	3.978	63	73493	6.903	ppbv #	22
41) Tetrahydrofuran	3.069	42	192120	15.742	ppbv	99
51) 2-Hexanone	7.470	43	804	0.035	ppbv #	28
53) Toluene	6.962	91	29076	0.874	ppbv	96
58) Ethyl Benzene	9.374	91	23504	0.546	ppbv	94
59) m/p-Xylene	9.548	91	100363	2.961	ppbv	98
60) o-Xylene	9.979	91	28349	0.839	ppbv	98
61) Styrene	9.885	104	1313	0.082	ppbv #	78
64) n-propylbenzene	11.005	120	1409	0.105	ppbv	72
65) tert-Butylbenzene	11.549	119	4306	0.095	ppbv #	46
67) sec-Butylbenzene	11.782	105	3567	0.056	ppbv #	6
69) p-Isopropyltoluene	11.937	119	3934	0.074	ppbv	93
70) n-Butylbenzene	12.303	91	1635	0.031	ppbv #	1
72) 4-Ethyltoluene	11.137	105	7640	0.181	ppbv #	55

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
Data File : VL042651.D
Acq On : 19 Jun 2025 11:58
Operator : SY/MD
Sample : Q2359-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

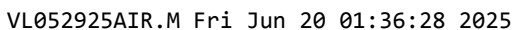
Instrument :
MSVOA_L
ClientSampleId :
SS-1

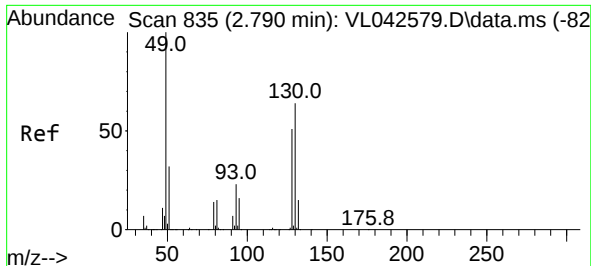
Quant Time: Jun 20 01:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	11.215	105	6608	0.189	ppbv	91
74) 1,2,4-Trimethylbenzene	11.549	105	34784	0.899	ppbv #	64
79) Naphthalene	13.523	128	19325	0.530	ppbv	95
80) Naphthalene,2-methyl-	14.465	142	12637	0.767	ppbv #	83

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

Quant Time: Jun 20 01:36:17 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

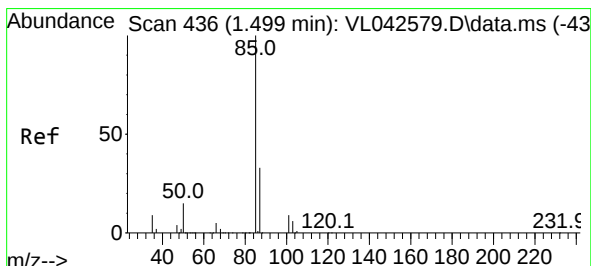
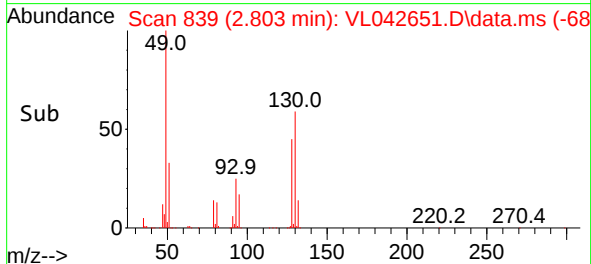
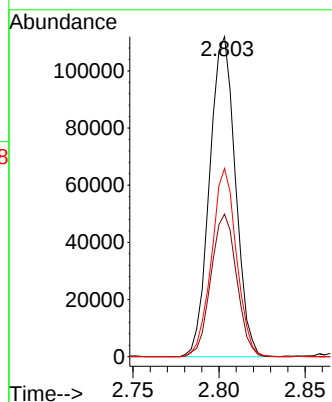
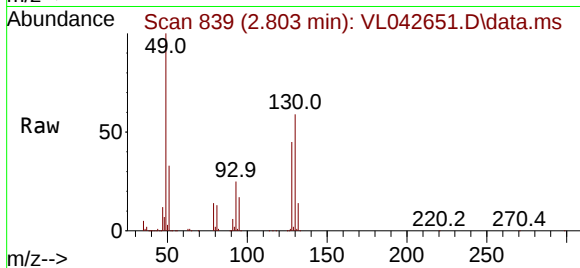




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

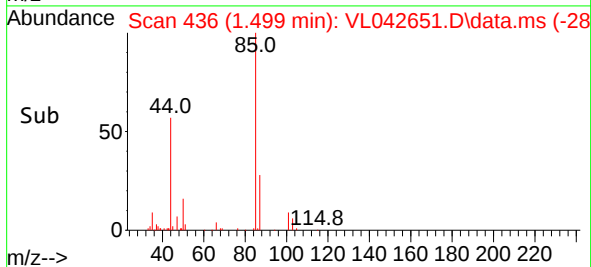
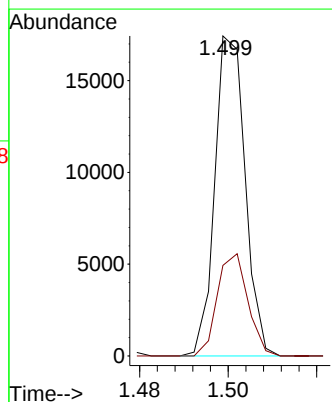
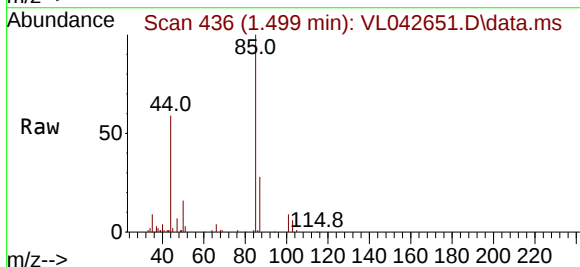
Instrument :
MSVOA_L
ClientSampleId :
SS-1

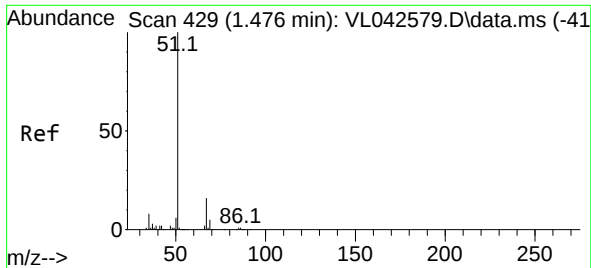
Tgt Ion: 49 Resp: 116867
Ion Ratio Lower Upper
49 100
128 44.3 24.2 72.6
130 56.8 30.4 91.2



#2
Dichlorodifluoromethane
Concen: 0.578 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 85 Resp: 8300
Ion Ratio Lower Upper
85 100
87 28.3 26.6 39.8

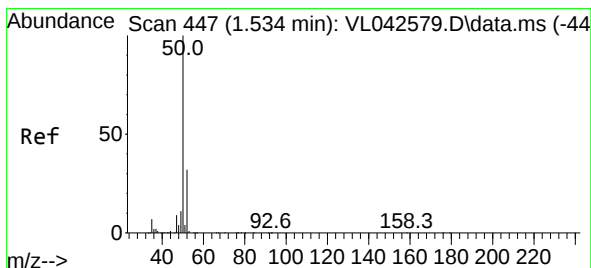
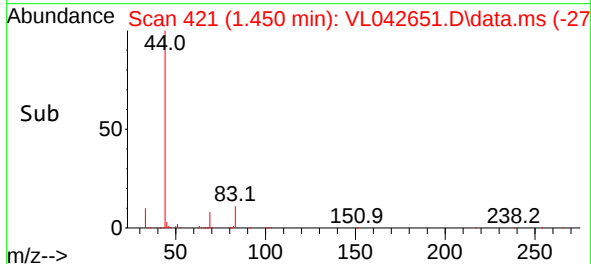
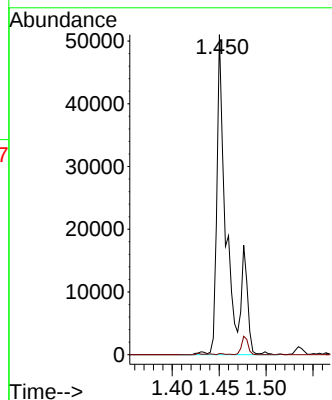
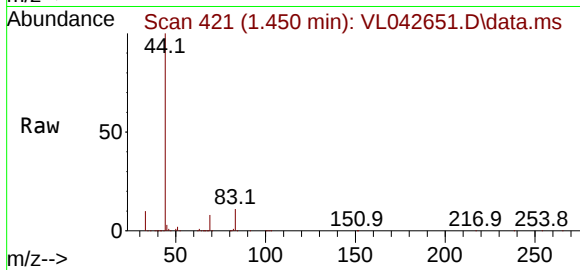




#3
Chlorodifluoromethane
Concen: 2.016 ppbv
RT: 1.450 min Scan# 41
Delta R.T. -0.026 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

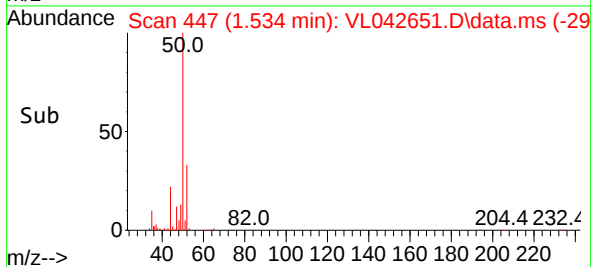
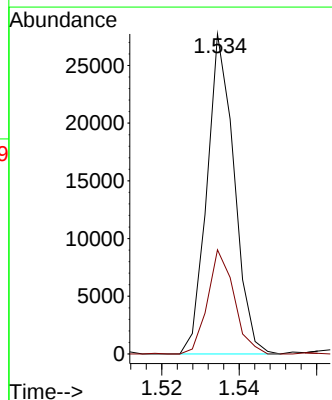
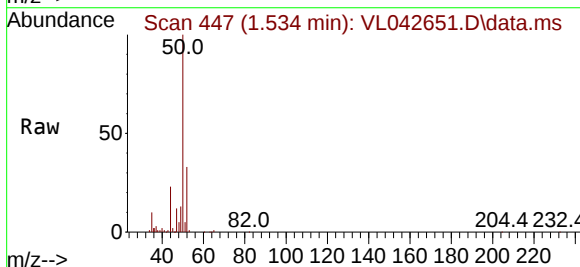
Instrument :
MSVOA_L
ClientSampleId :
SS-1

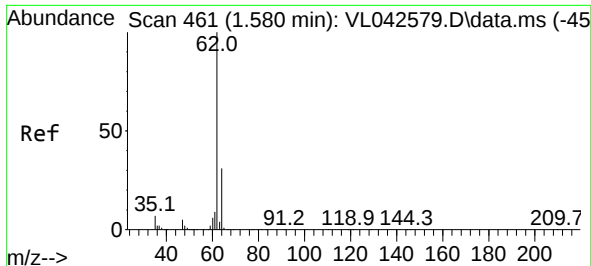
Tgt Ion: 51 Resp: 39873
Ion Ratio Lower Upper
51 100
67 0.3 13.4 20.2#



#4
Chloromethane
Concen: 2.379 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 50 Resp: 13534
Ion Ratio Lower Upper
50 100
52 32.6 25.8 38.6

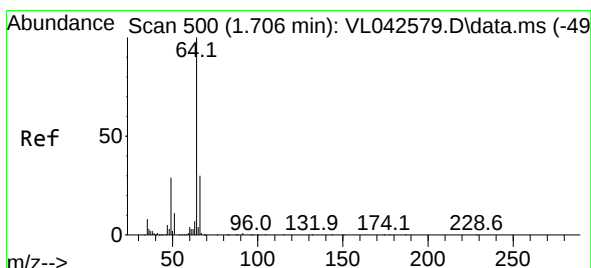
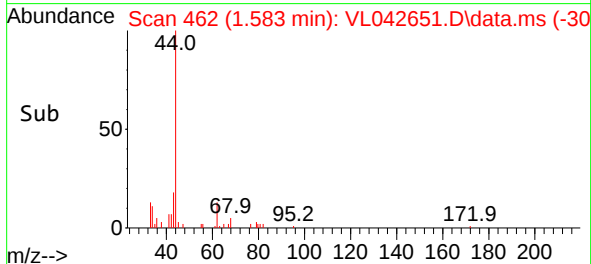
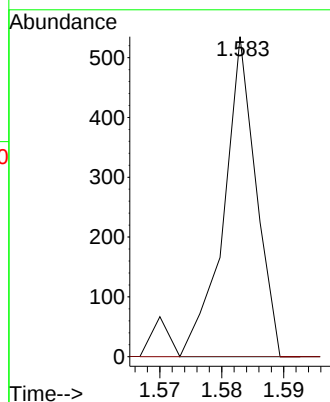
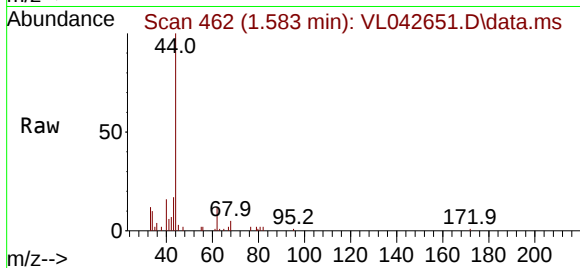




#5
 Vinyl Chloride
 Concen: 0.033 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042651.D
 Acq: 19 Jun 2025 11:58

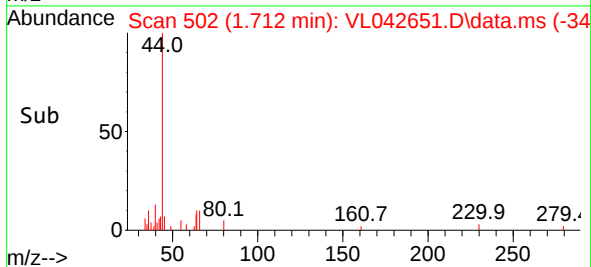
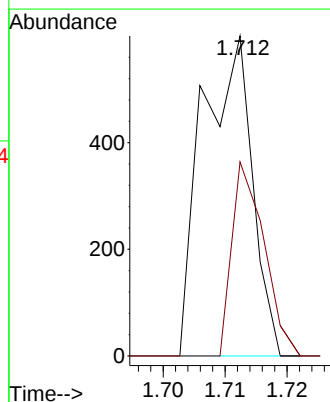
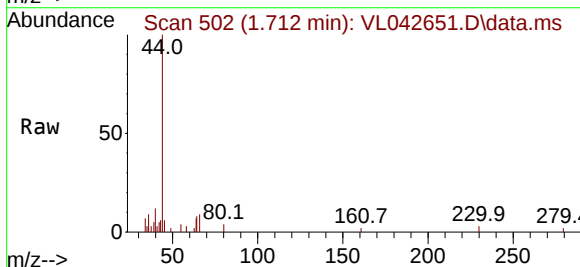
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

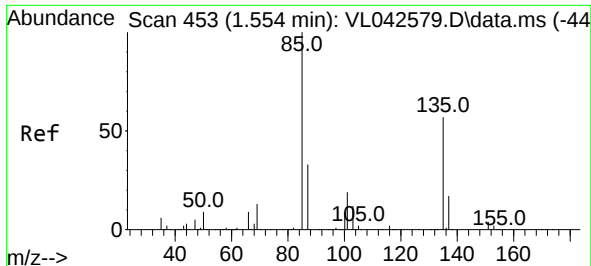
Tgt Ion: 62 Resp: 194
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.9 37.3#



#7
 Chloroethane
 Concen: 0.148 ppbv
 RT: 1.712 min Scan# 502
 Delta R.T. 0.006 min
 Lab File: VL042651.D
 Acq: 19 Jun 2025 11:58

Tgt Ion: 64 Resp: 333
 Ion Ratio Lower Upper
 64 100
 66 60.7 24.3 36.5#

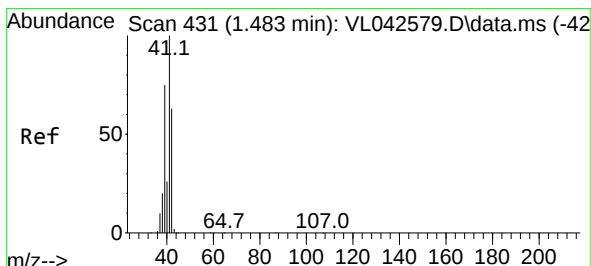
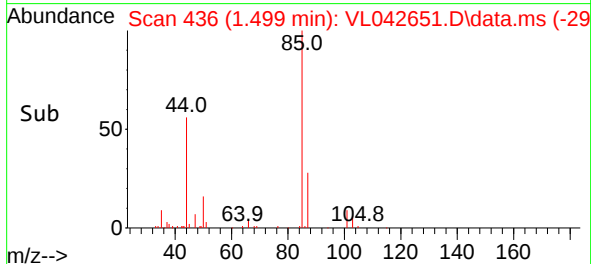
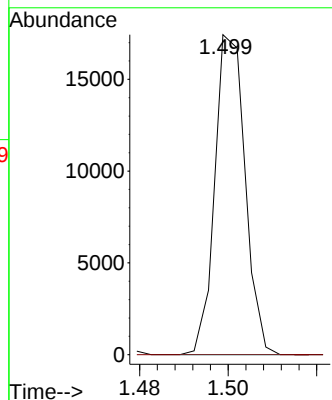
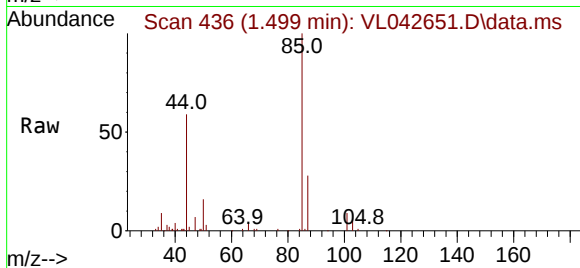




#8
Dichlorotetrafluoroethane
Concen: 0.694 ppbv
RT: 1.499 min Scan# 41
Delta R.T. -0.055 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

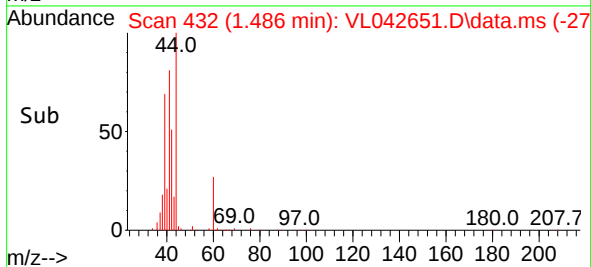
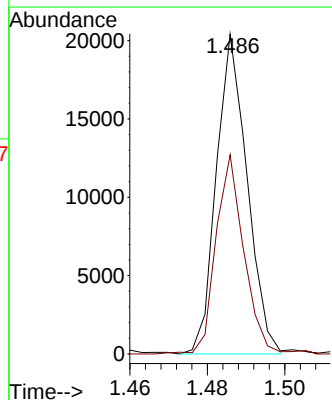
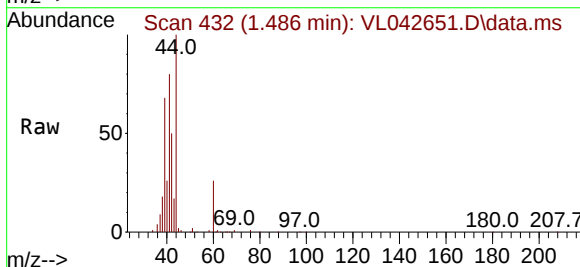
Instrument :
MSVOA_L
ClientSampleId :
SS-1

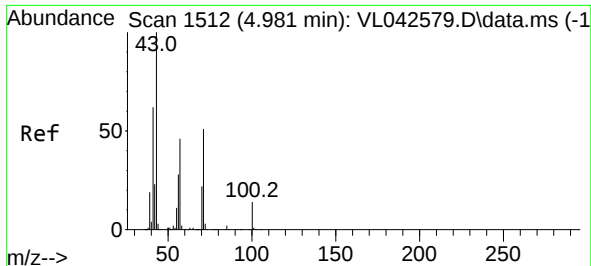
Tgt Ion: 85 Resp: 8300
Ion Ratio Lower Upper
85 100
135 2.0 50.2 75.4#



#9
Propene
Concen: 1.415 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 41 Resp: 11276
Ion Ratio Lower Upper
41 100
42 58.3 53.3 79.9





#10

Heptane

Concen: 1.996 ppbv

RT: 5.007 min Scan# 11

Delta R.T. 0.026 min

Lab File: VL042651.D

Acq: 19 Jun 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

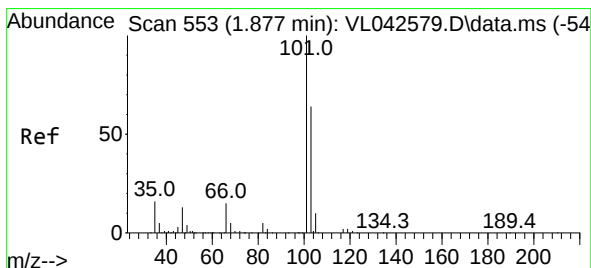
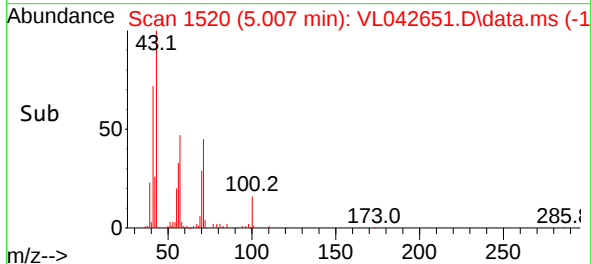
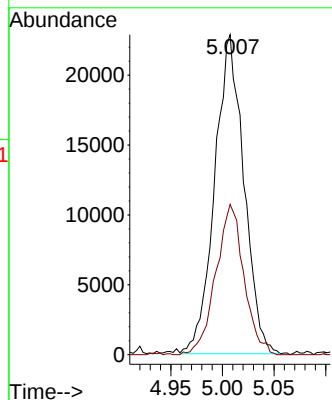
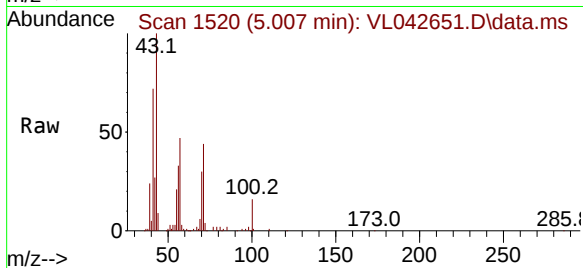
SS-1

Tgt Ion: 43 Resp: 44827

Ion Ratio Lower Upper

43 100

57 45.4 38.9 58.3



#11

Trichlorofluoromethane

Concen: 0.250 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.010 min

Lab File: VL042651.D

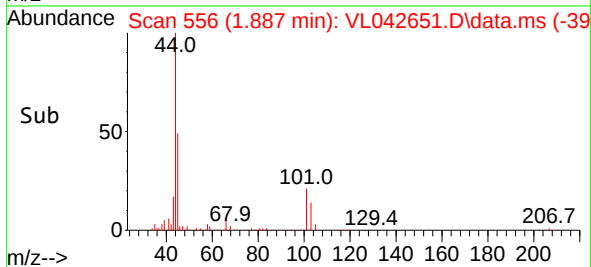
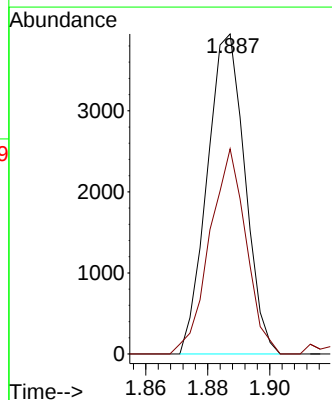
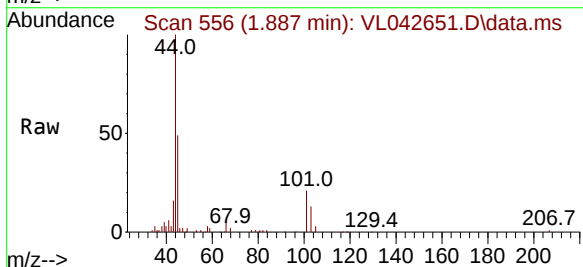
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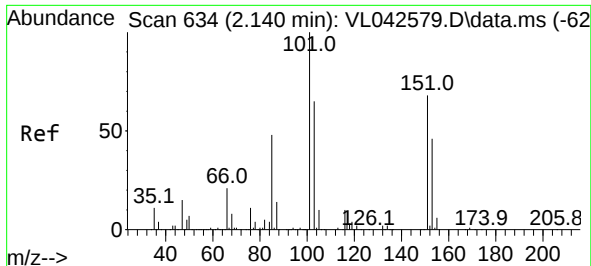
Tgt Ion:101 Resp: 3341

Ion Ratio Lower Upper

101 100

103 64.1 51.5 77.3

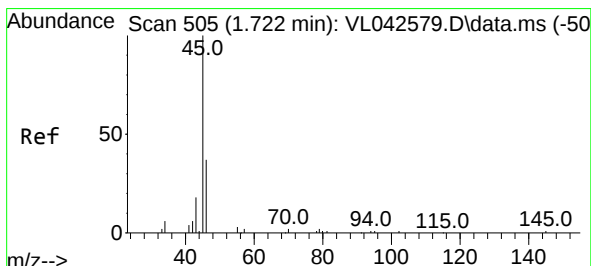
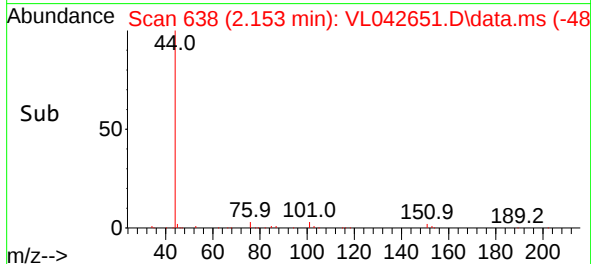
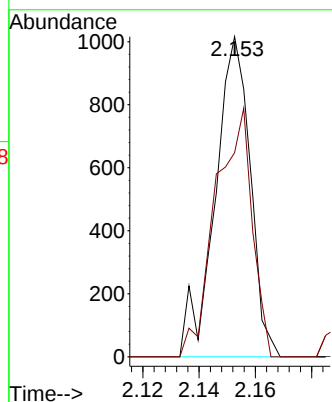
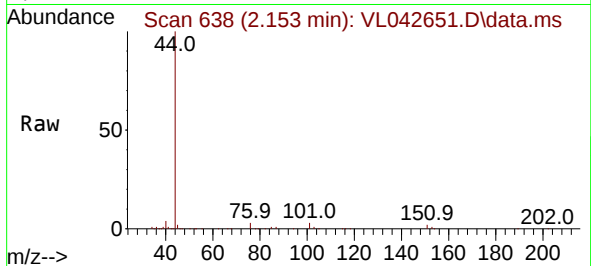




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.084 ppbv
 RT: 2.153 min Scan# 61
 Delta R.T. 0.013 min
 Lab File: VL042651.D
 Acq: 19 Jun 2025 11:58

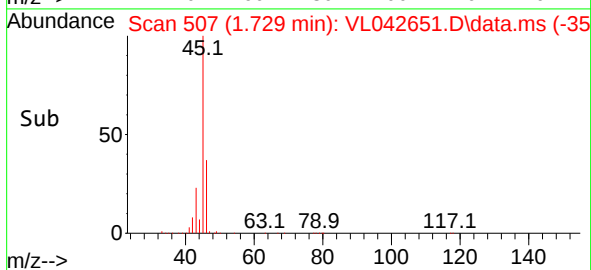
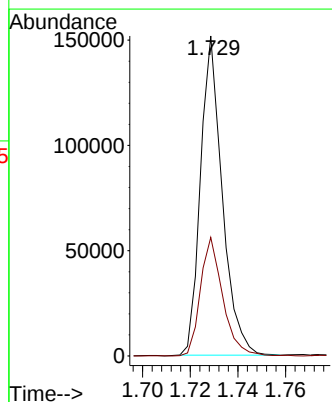
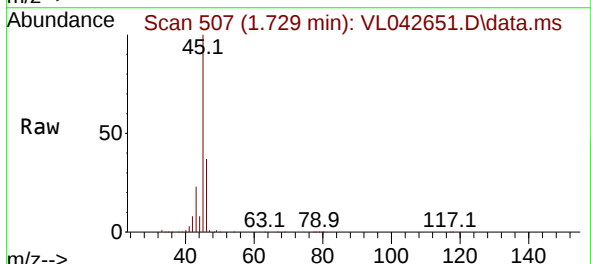
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

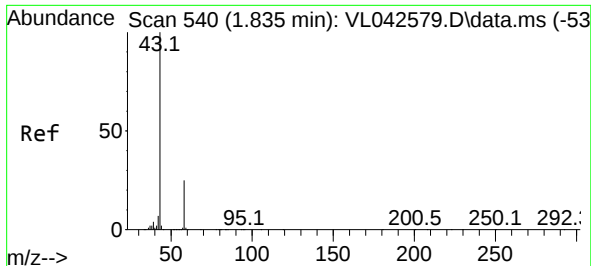
Tgt Ion:101 Resp: 878
 Ion Ratio Lower Upper
 101 100
 151 80.9 55.3 82.9



#13
 Ethanol
 Concen: 101.573 ppbv
 RT: 1.729 min Scan# 507
 Delta R.T. 0.006 min
 Lab File: VL042651.D
 Acq: 19 Jun 2025 11:58

Tgt Ion: 45 Resp: 96433
 Ion Ratio Lower Upper
 45 100
 46 38.4 14.5 58.1





#15

Acetone

Concen: 29.495 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.006 min

Lab File: VL042651.D

Acq: 19 Jun 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

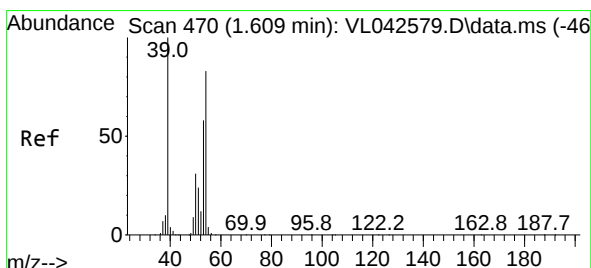
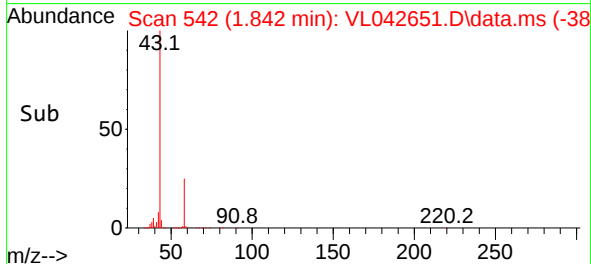
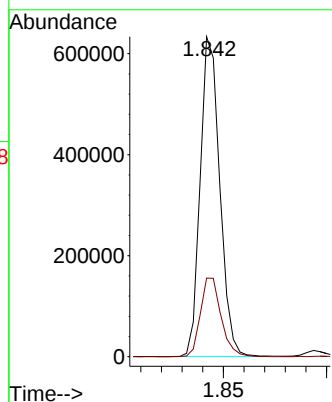
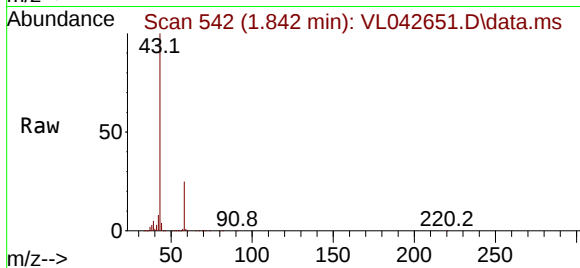
SS-1

Tgt Ion: 43 Resp: 415203

Ion Ratio Lower Upper

43 100

58 26.1 21.0 31.4



#16

1,3-Butadiene

Concen: 0.189 ppbv

RT: 1.625 min Scan# 475

Delta R.T. 0.016 min

Lab File: VL042651.D

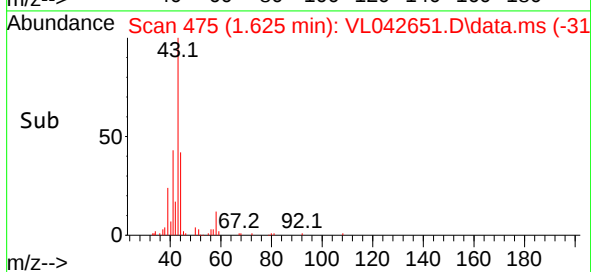
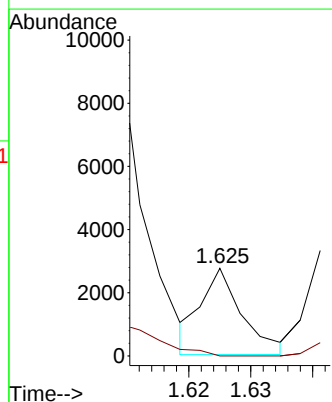
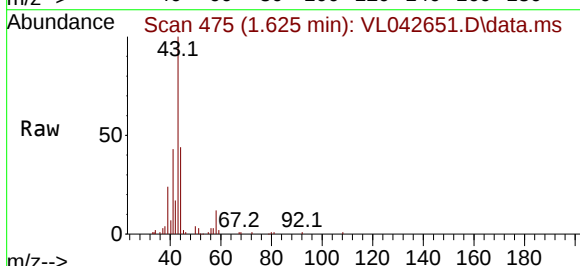
Acq: 19 Jun 2025 11:58

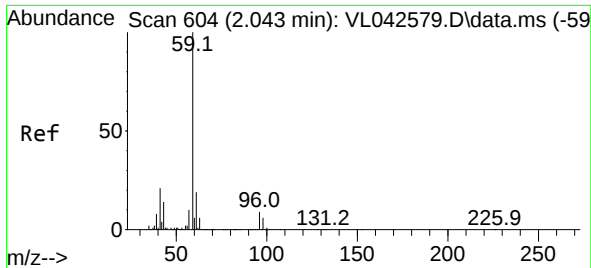
Tgt Ion: 39 Resp: 1263

Ion Ratio Lower Upper

39 100

54 0.0 57.9 86.9#

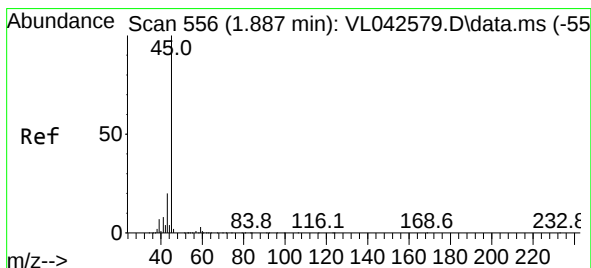
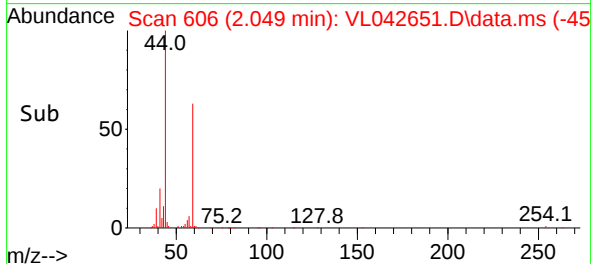
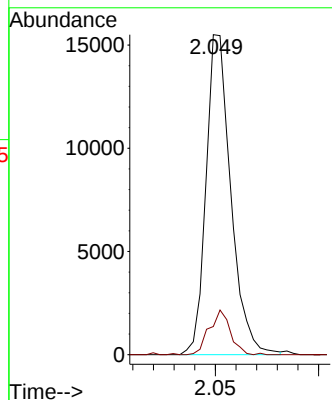
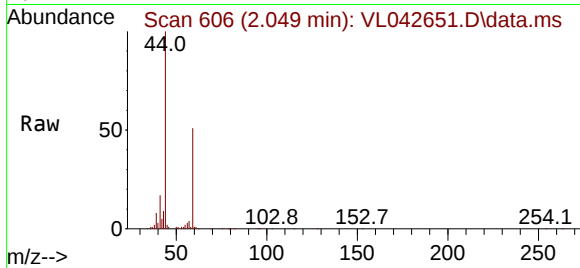




#17
tert-Butyl alcohol
Concen: 0.882 ppbv
RT: 2.049 min Scan# 604
Delta R.T. 0.006 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

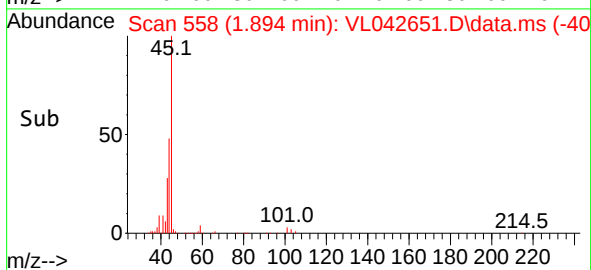
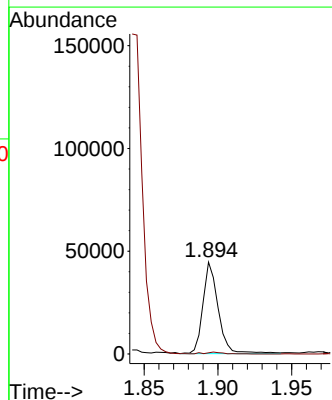
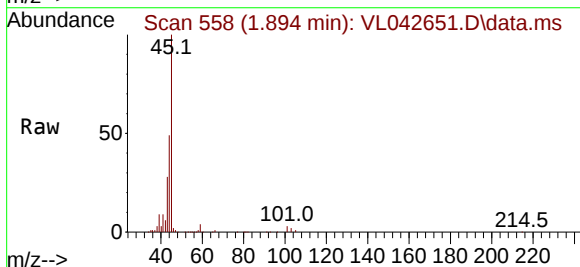
Instrument :
MSVOA_L
ClientSampleId :
SS-1

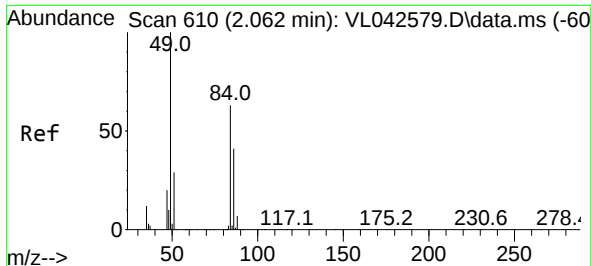
Tgt Ion: 59 Resp: 12937
Ion Ratio Lower Upper
59 100
57 11.9 8.6 12.8



#19
Isopropyl Alcohol
Concen: 3.788 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.006 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 45 Resp: 31874
Ion Ratio Lower Upper
45 100
58 339.3 29.4 44.2#

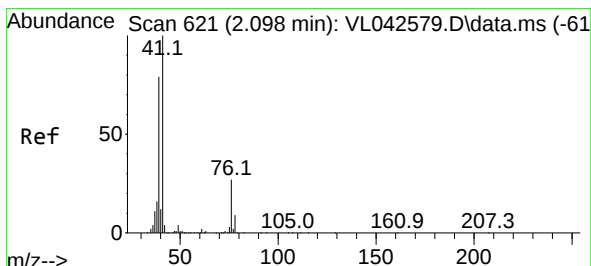
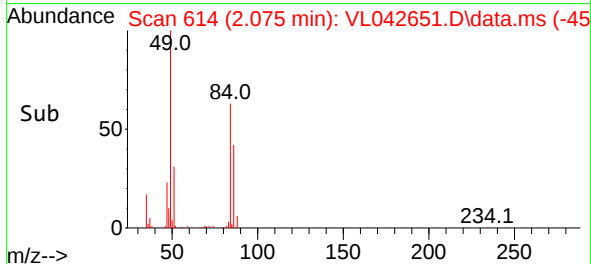
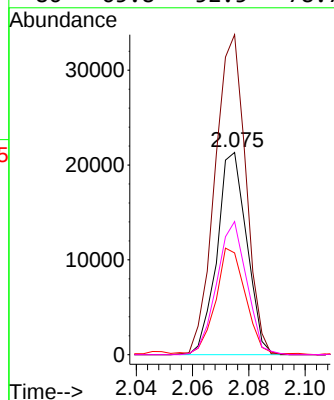
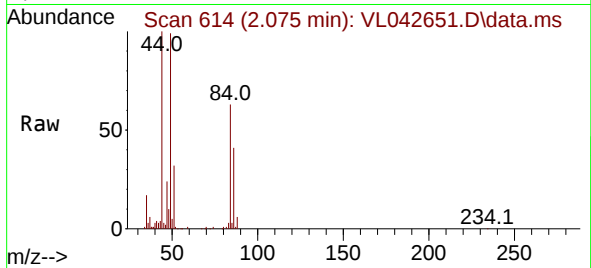




#20
Methylene Chloride
Concen: 3.370 ppbv
RT: 2.075 min Scan# 610
Delta R.T. 0.013 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

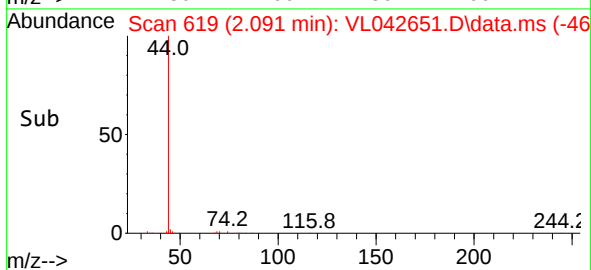
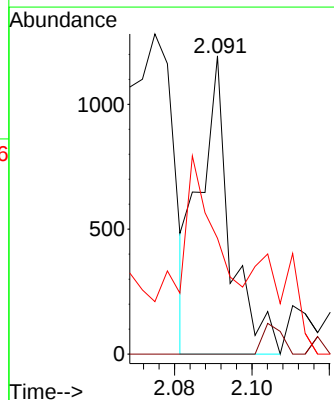
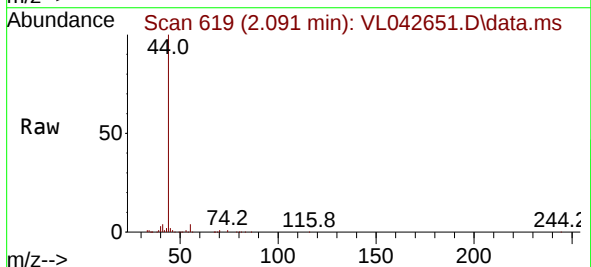
Instrument :
MSVOA_L
ClientSampleId :
SS-1

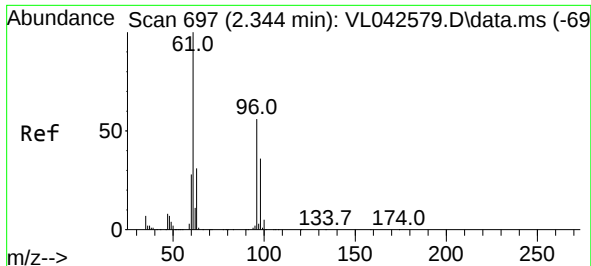
Tgt Ion:	84	Resp:	15655
Ion	Ratio	Lower	Upper
84	100		
49	157.8	128.8	193.2
51	49.8	38.6	57.8
86	65.8	52.5	78.7



#21
Allyl Chloride
Concen: 0.066 ppbv
RT: 2.091 min Scan# 619
Delta R.T. -0.006 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion:	41	Resp:	655
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.2	31.8#
39	0.0	60.9	91.3#

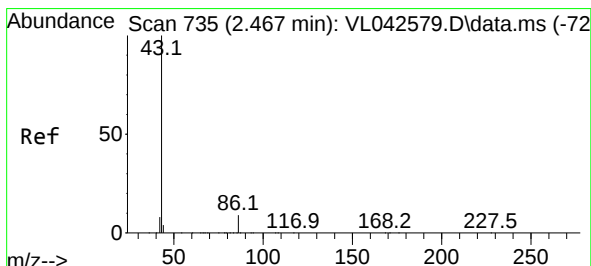
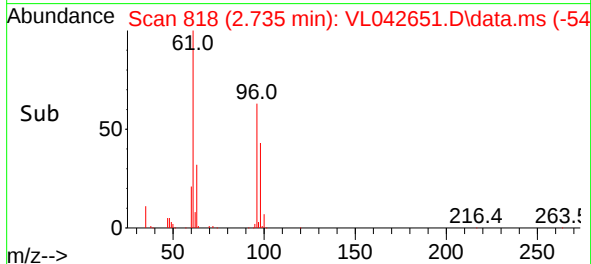
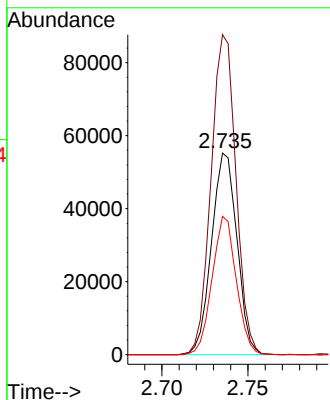
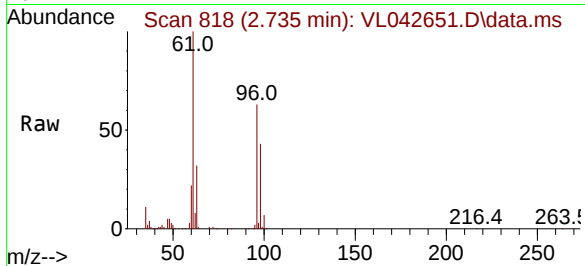




#22
trans-1,2-Dichloroethene
Concen: 10.466 ppbv
RT: 2.735 min Scan# 81
Delta R.T. 0.392 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

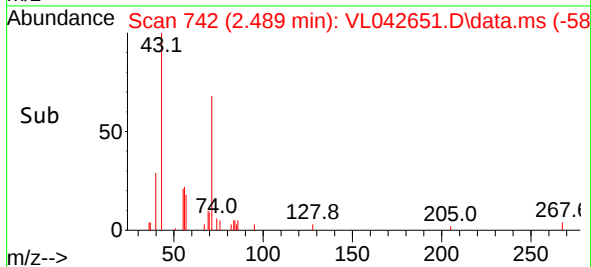
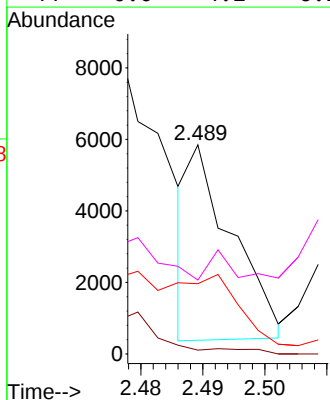
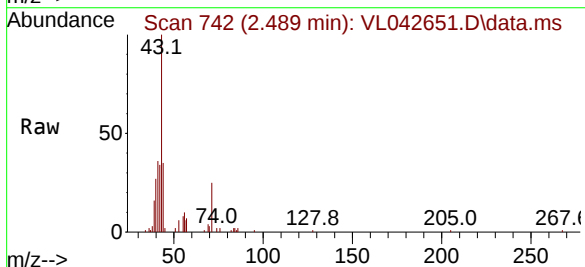
Instrument :
MSVOA_L
ClientSampleId :
SS-1

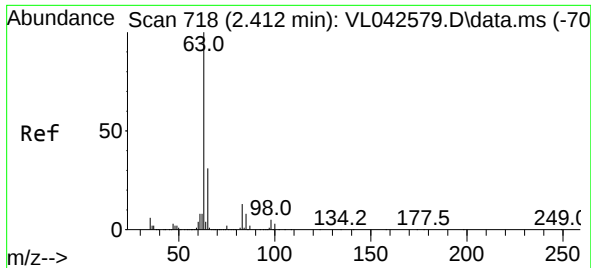
Tgt Ion: 96 Resp: 56862
Ion Ratio Lower Upper
96 100
61 158.7 142.6 214.0
98 68.7 51.0 76.4



#23
Vinyl Acetate
Concen: 0.138 ppbv
RT: 2.489 min Scan# 742
Delta R.T. 0.023 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 43 Resp: 2635
Ion Ratio Lower Upper
43 100
86 2.1 6.6 9.8#
42 33.8 7.0 10.4#
44 0.0 4.2 6.2#

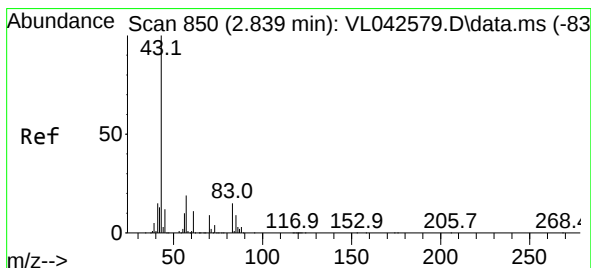
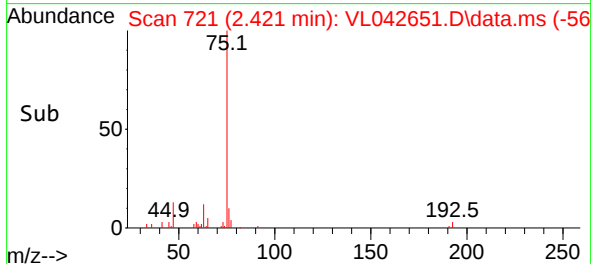
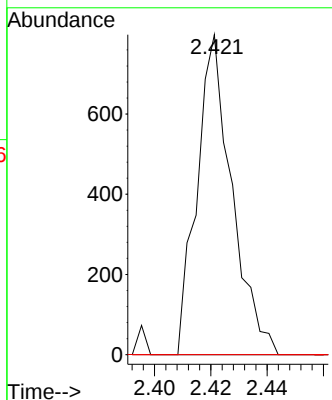
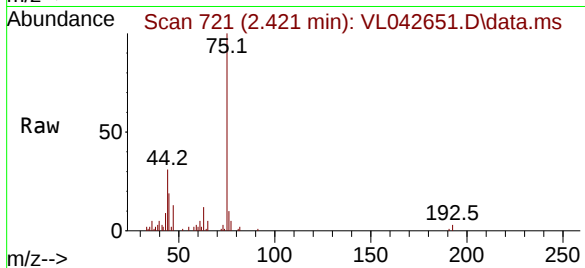




#24
 1,1-Dichloroethane
 Concen: 0.061 ppbv
 RT: 2.421 min Scan# 718
 Delta R.T. 0.010 min
 Lab File: VL042651.D
 Acq: 19 Jun 2025 11:58

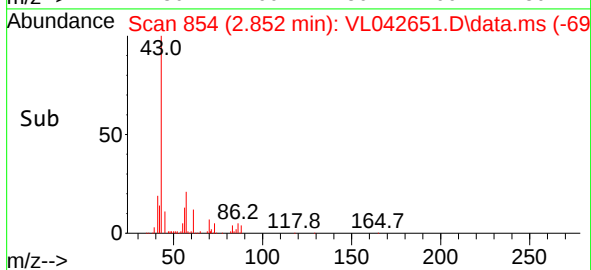
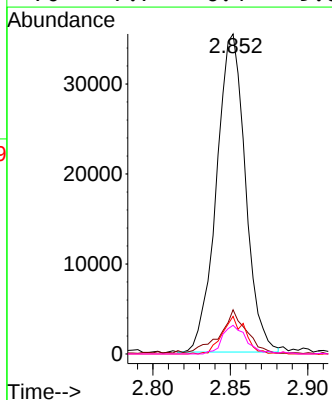
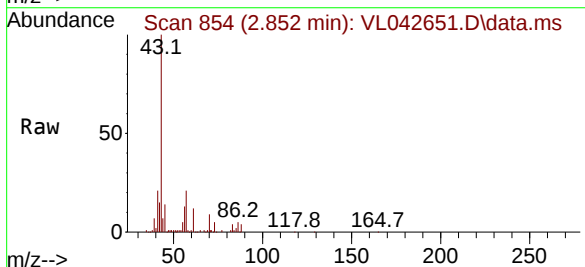
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

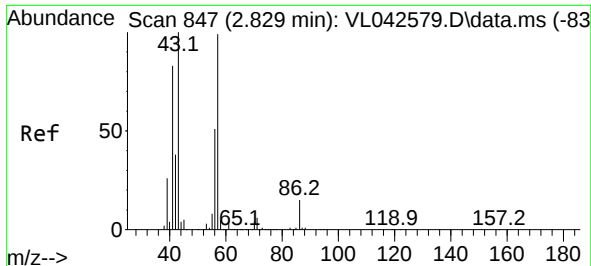
Tgt Ion: 63	Resp: 687
Ion Ratio	Lower Upper
63 100	
98 0.0	2.4 7.1#
100 0.0	1.4 4.0#



#25
 Ethyl Acetate
 Concen: 1.190 ppbv
 RT: 2.852 min Scan# 854
 Delta R.T. 0.013 min
 Lab File: VL042651.D
 Acq: 19 Jun 2025 11:58

Tgt Ion: 43	Resp: 45842
Ion Ratio	Lower Upper
43 100	
45 13.7	8.2 12.2#
61 9.6	7.1 10.7
70 7.7	6.4 9.6

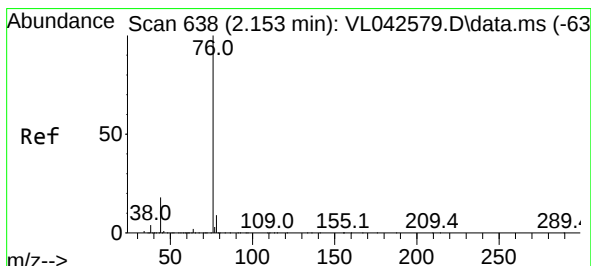
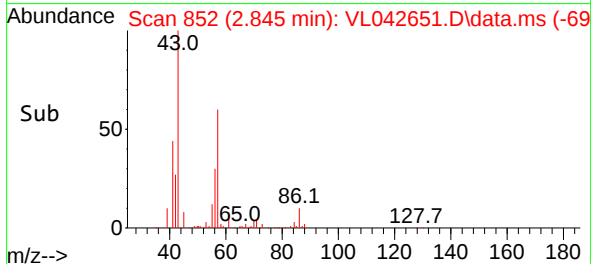
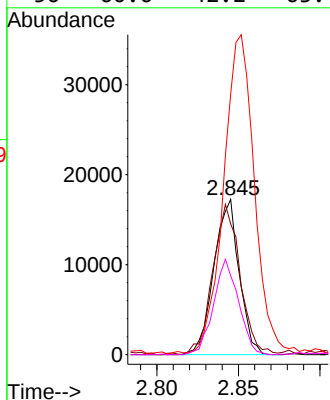
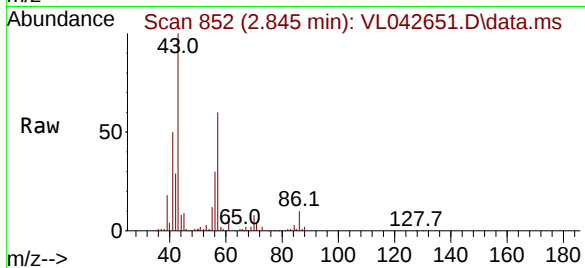




#26
Hexane
Concen: 1.062 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

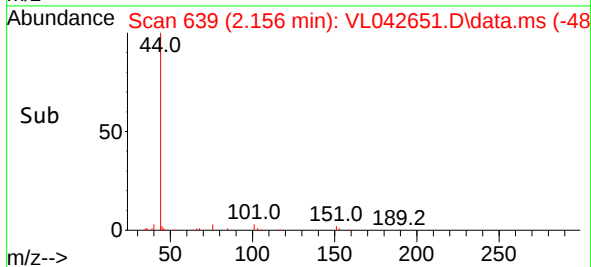
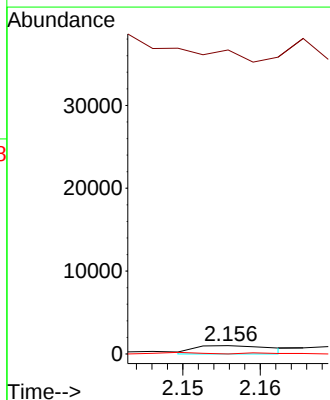
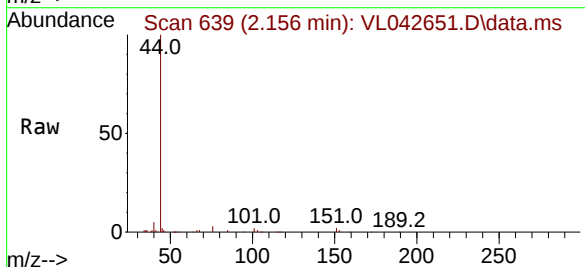
Instrument :
MSVOA_L
ClientSampleId :
SS-1

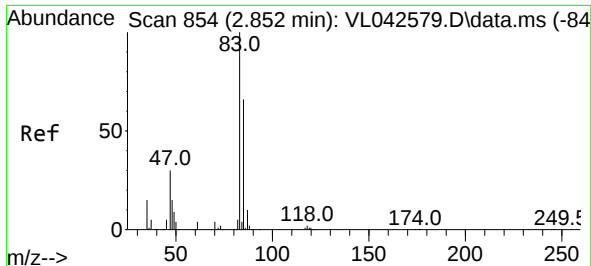
Tgt Ion: 57 Resp: 18589
Ion Ratio Lower Upper
57 100
41 101.5 70.6 106.0
43 260.7 181.1 271.7
56 60.6 42.2 63.4



#27
Carbon Disulfide
Concen: 0.051 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.003 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 76 Resp: 689
Ion Ratio Lower Upper
76 100
44 0.0 21.3 31.9#
78 0.0 9.4 14.0#





#29

Chloroform

Concen: 0.269 ppbv

RT: 2.865 min Scan# 81

Delta R.T. 0.013 min

Lab File: VL042651.D

Acq: 19 Jun 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

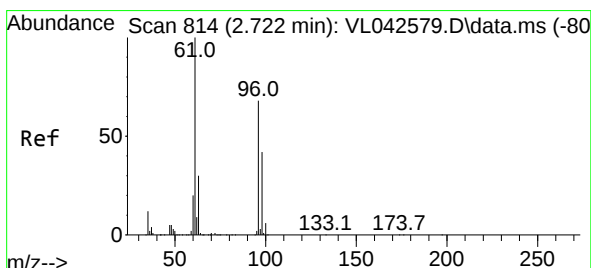
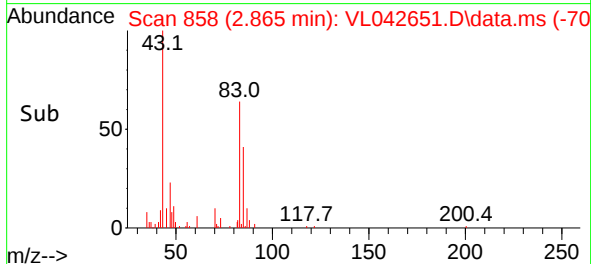
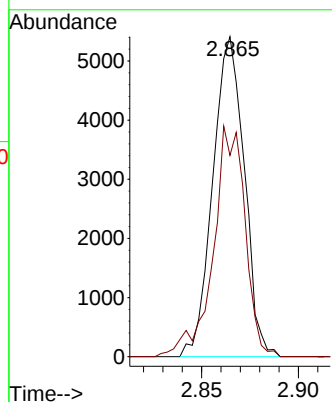
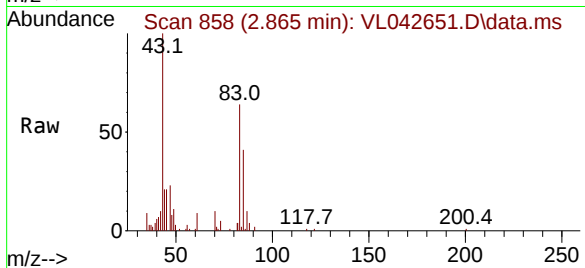
SS-1

Tgt Ion: 83 Resp: 6123

Ion Ratio Lower Upper

83 100

85 62.9 52.8 79.2



#31

cis-1,2-Dichloroethene

Concen: 5.513 ppbv

RT: 2.735 min Scan# 818

Delta R.T. 0.013 min

Lab File: VL042651.D

Acq: 19 Jun 2025 11:58

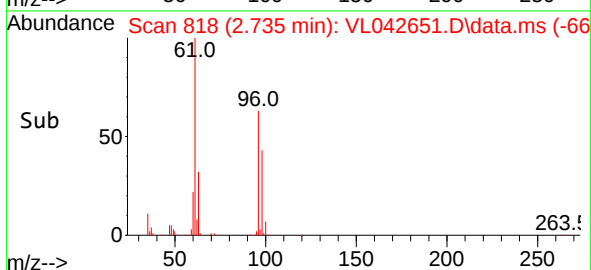
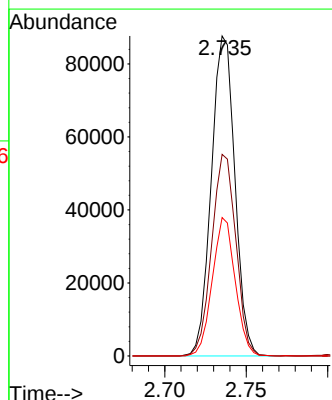
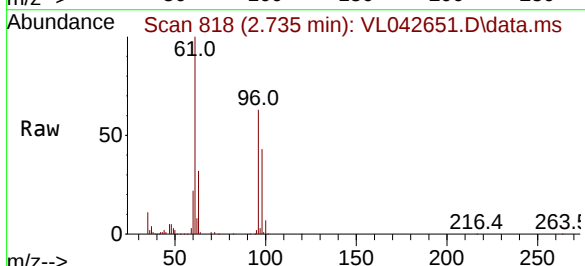
Tgt Ion: 61 Resp: 88276

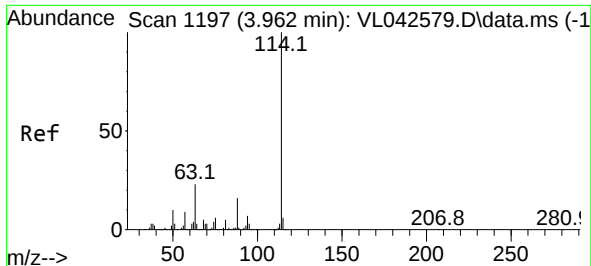
Ion Ratio Lower Upper

61 100

96 63.0 54.5 81.7

98 43.3 33.4 50.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 1197

Delta R.T. 0.016 min

Lab File: VL042651.D

Acq: 19 Jun 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

SS-1

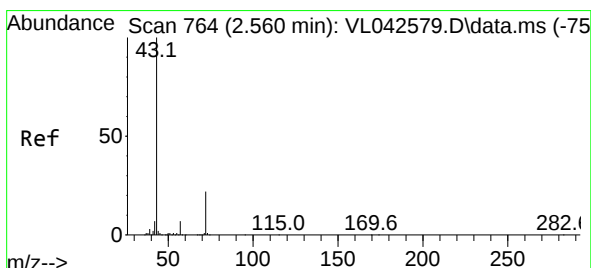
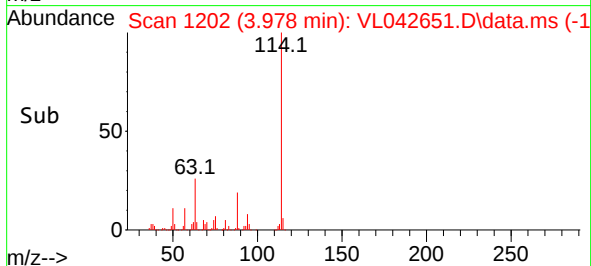
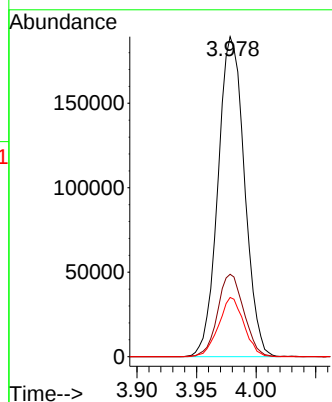
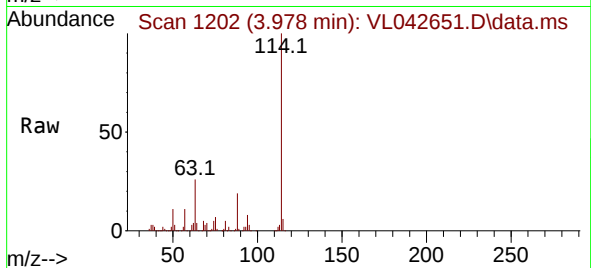
Tgt Ion:114 Resp: 292359

Ion Ratio Lower Upper

114 100

63 25.6 19.0 28.6

88 17.7 13.6 20.4



#34

2-Butanone

Concen: 2.922 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.010 min

Lab File: VL042651.D

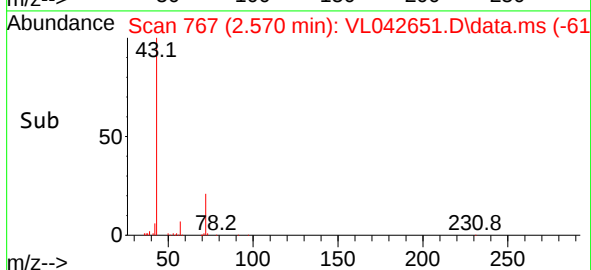
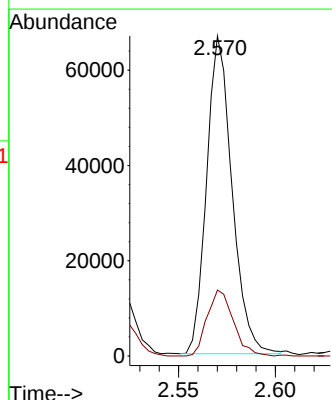
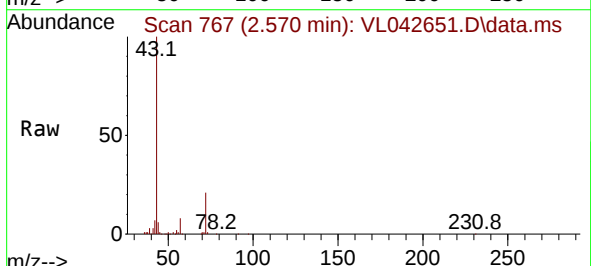
Acq: 19 Jun 2025 11:58

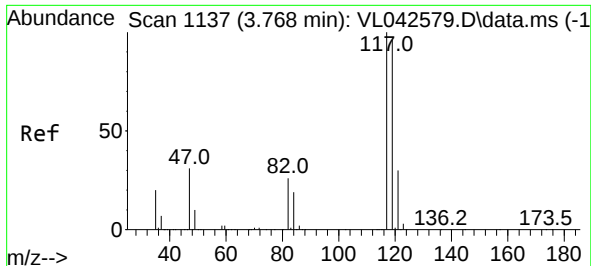
Tgt Ion: 43 Resp: 60913

Ion Ratio Lower Upper

43 100

72 21.5 17.7 26.5

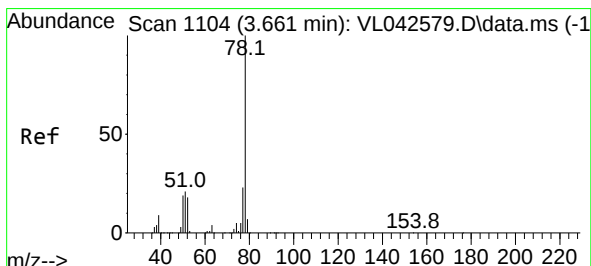
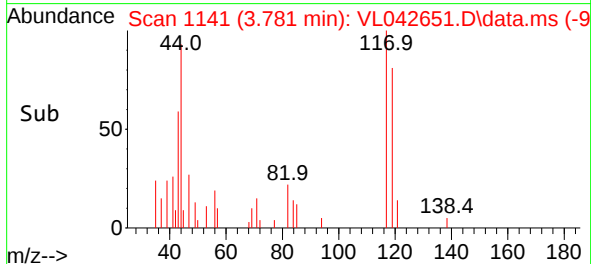
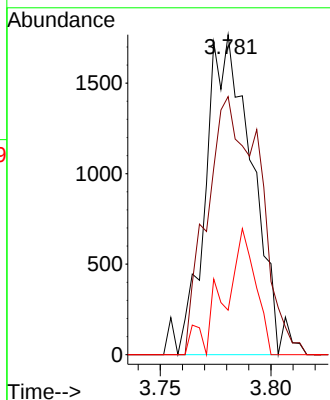
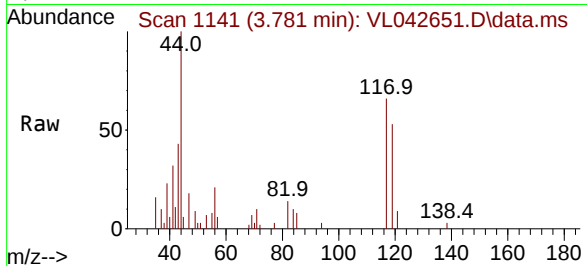




#35
Carbon Tetrachloride
Concen: 0.130 ppbv
RT: 3.781 min Scan# 1137
Delta R.T. 0.013 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

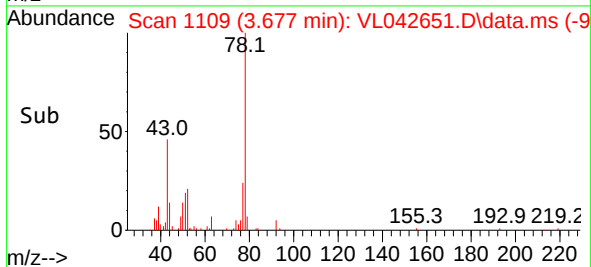
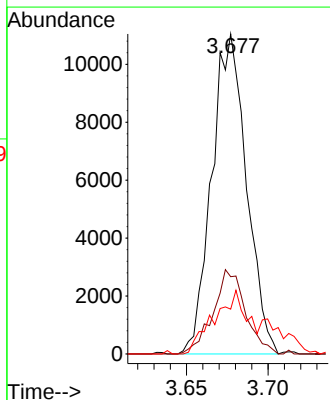
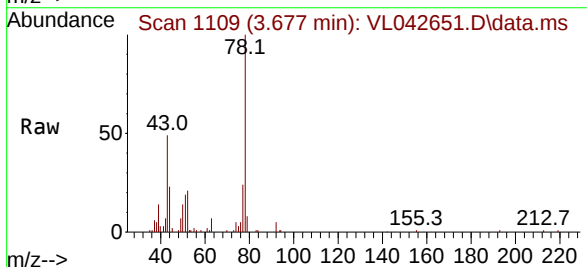
Instrument :
MSVOA_L
ClientSampleId :
SS-1

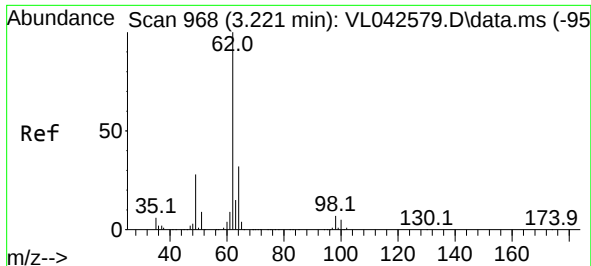
Tgt Ion:117 Resp: 2514
Ion Ratio Lower Upper
117 100
119 80.7 76.8 115.2
121 13.9 24.3 36.5#



#36
Benzene
Concen: 0.569 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.016 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 78 Resp: 16370
Ion Ratio Lower Upper
78 100
77 24.2 18.2 27.2
50 13.4 15.2 22.8#





#37

1,2-Dichloroethane

Concen: 0.063 ppbv

RT: 3.234 min Scan# 91

Delta R.T. 0.013 min

Lab File: VL042651.D

Acq: 19 Jun 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

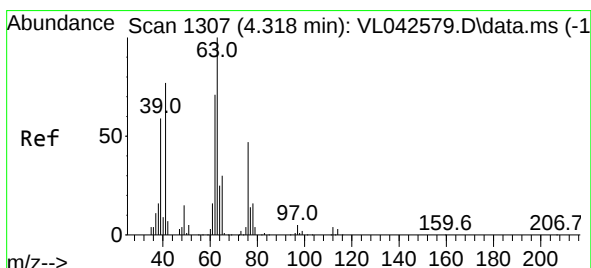
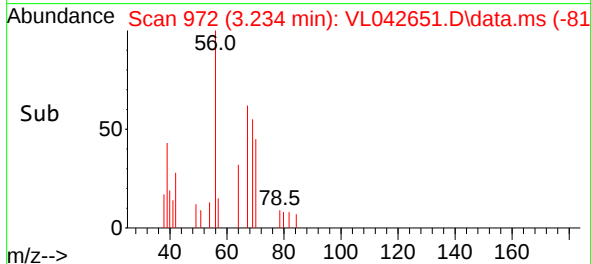
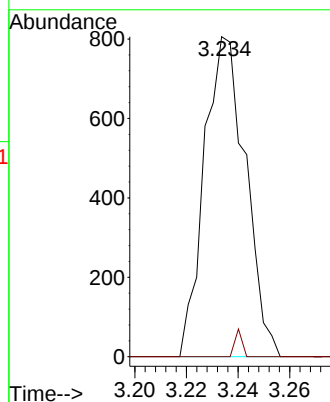
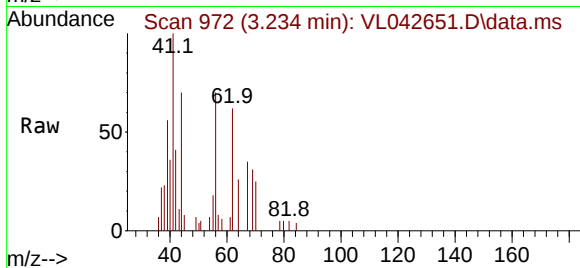
SS-1

Tgt Ion: 62 Resp: 895

Ion Ratio Lower Upper

62 100

98 0.0 6.1 9.1#



#39

1,2-Dichloropropane

Concen: 6.903 ppbv

RT: 3.978 min Scan# 1202

Delta R.T. -0.340 min

Lab File: VL042651.D

Acq: 19 Jun 2025 11:58

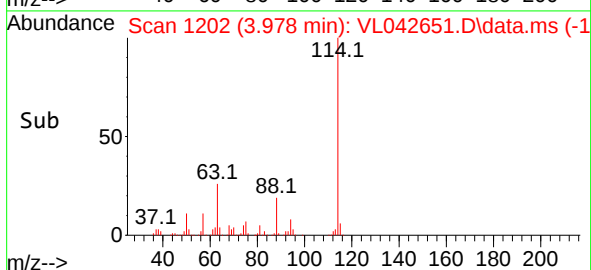
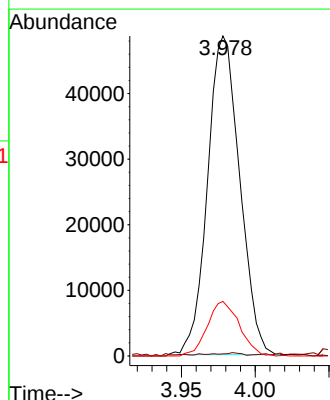
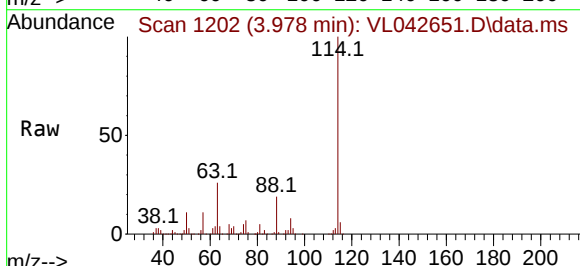
Tgt Ion: 63 Resp: 73493

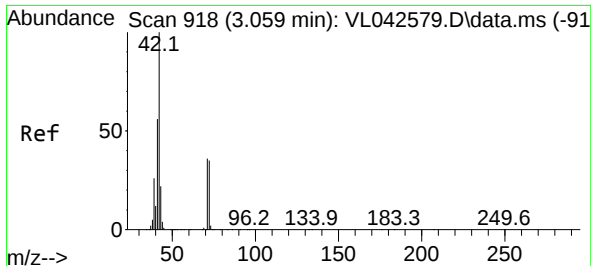
Ion Ratio Lower Upper

63 100

41 0.2 61.8 92.6#

62 17.1 56.6 85.0#

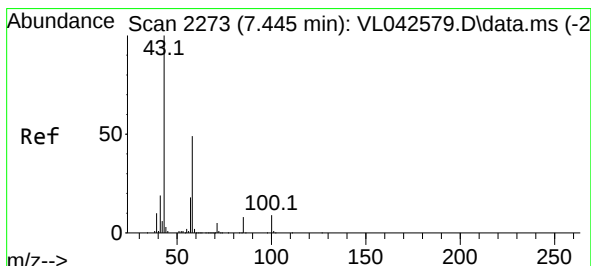
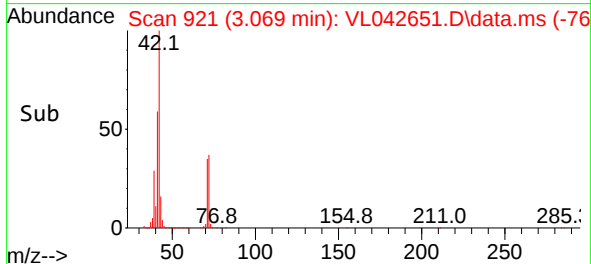
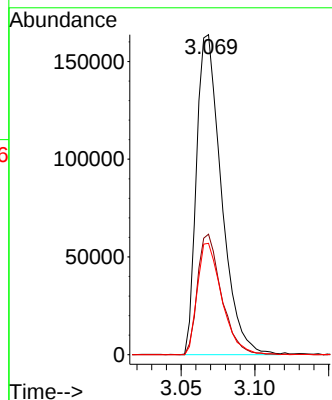
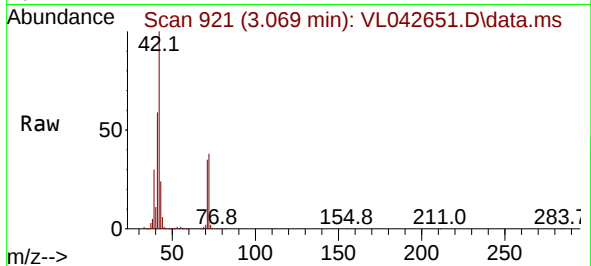




#41
Tetrahydrofuran
Concen: 15.742 ppbv
RT: 3.069 min Scan# 918
Delta R.T. 0.010 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

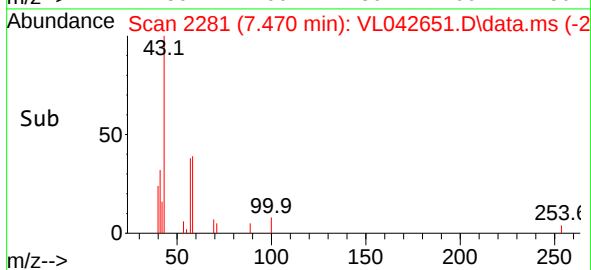
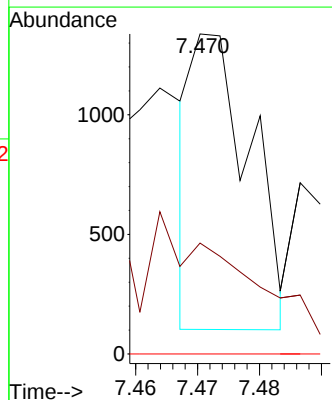
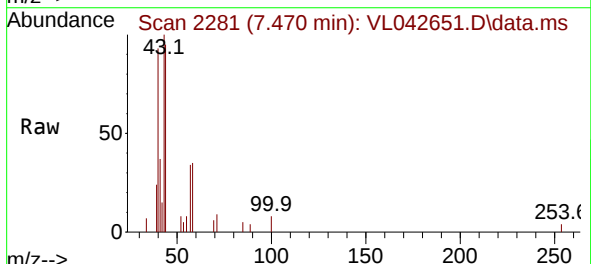
Instrument :
MSVOA_L
ClientSampleId :
SS-1

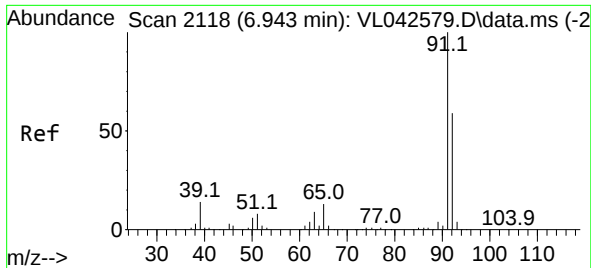
Tgt Ion: 42 Resp: 192120
Ion Ratio Lower Upper
42 100
72 36.2 28.9 43.3
71 34.3 28.5 42.7



#51
2-Hexanone
Concen: 0.035 ppbv
RT: 7.470 min Scan# 2281
Delta R.T. 0.026 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
58 0.0 39.9 59.9#
98 0.0 0.1 0.1#

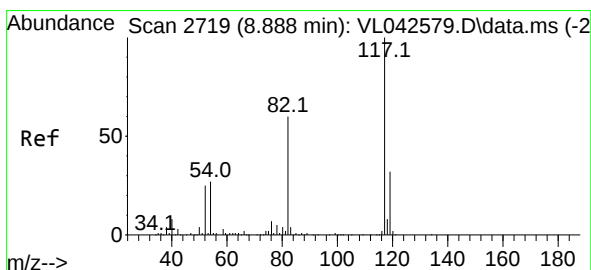
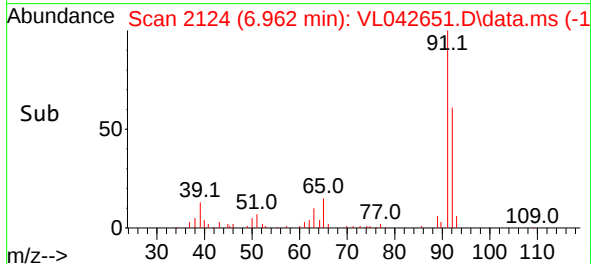
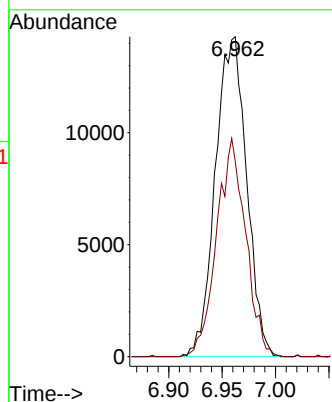
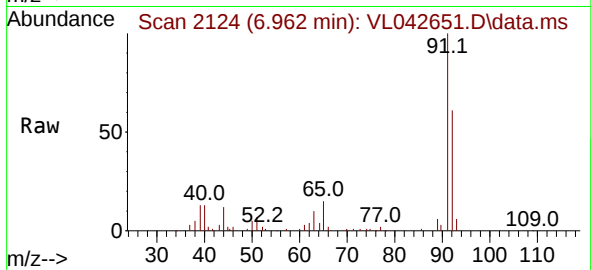




#53
Toluene
Concen: 0.874 ppbv
RT: 6.962 min Scan# 2118
Delta R.T. 0.019 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

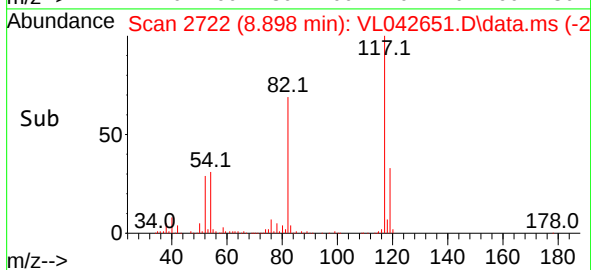
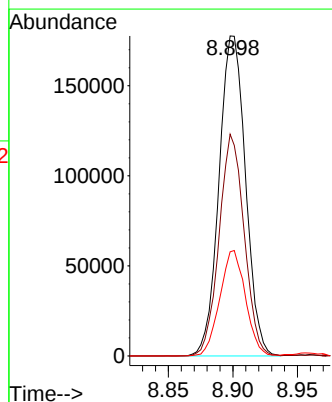
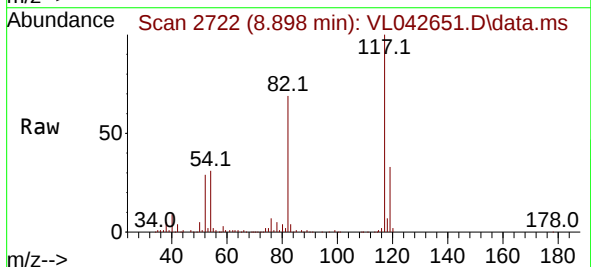
Instrument :
MSVOA_L
ClientSampleId :
SS-1

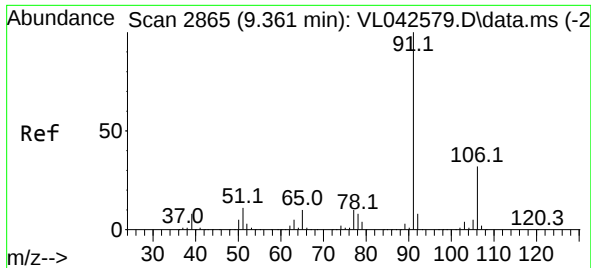
Tgt Ion: 91 Resp: 29076
Ion Ratio Lower Upper
91 100
92 63.4 48.2 72.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. 0.010 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 117 Resp: 253888
Ion Ratio Lower Upper
117 100
82 65.6 51.2 76.8
119 32.0 26.3 39.5

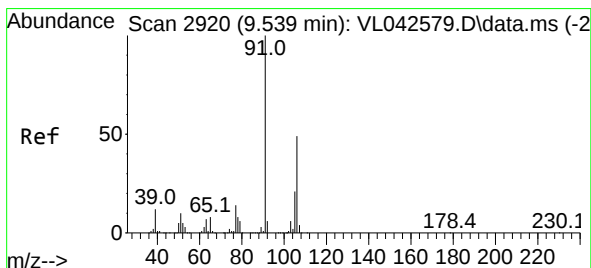
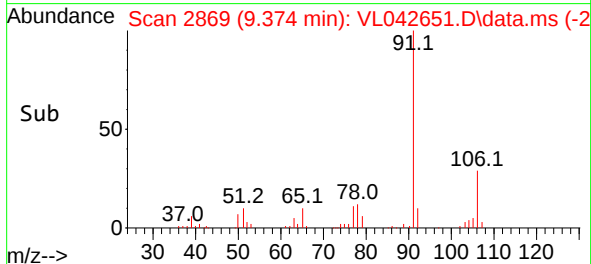
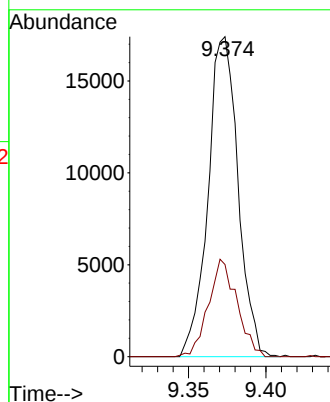
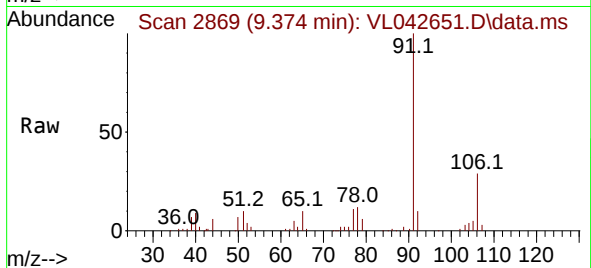




#58
Ethyl Benzene
Concen: 0.546 ppbv
RT: 9.374 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

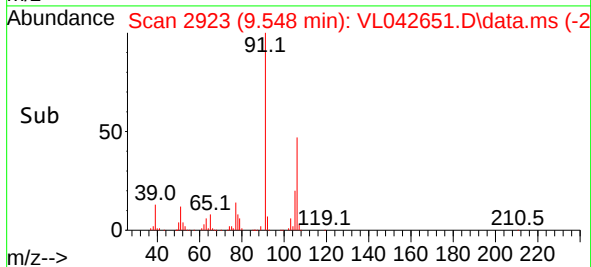
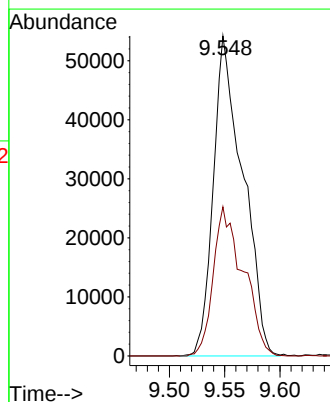
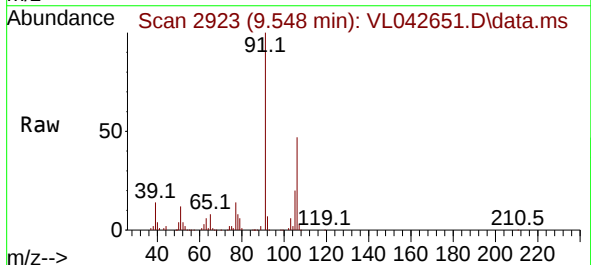
Instrument :
MSVOA_1
ClientSampleId :
SS-1

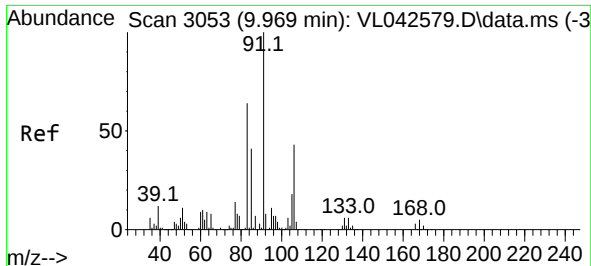
Tgt Ion: 91 Resp: 23504
Ion Ratio Lower Upper
91 100
106 28.8 25.9 38.9



#59
m/p-Xylene
Concen: 2.961 ppbv
RT: 9.548 min Scan# 2923
Delta R.T. 0.010 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 91 Resp: 100363
Ion Ratio Lower Upper
91 100
106 47.3 38.8 58.2

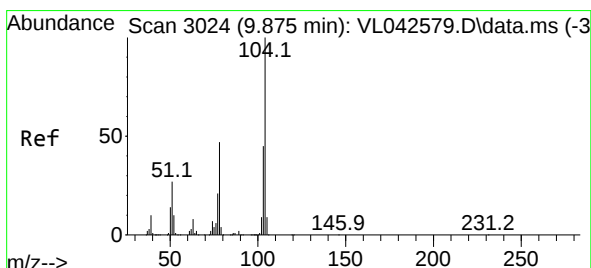
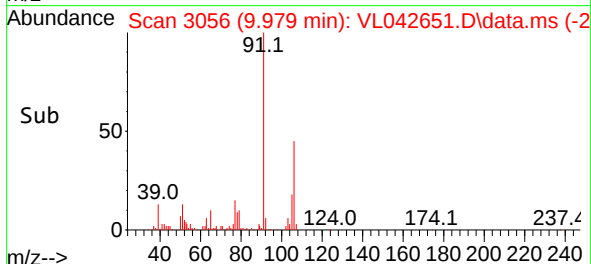
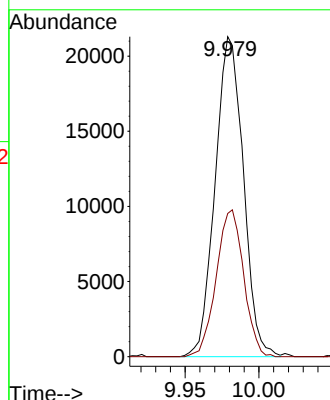
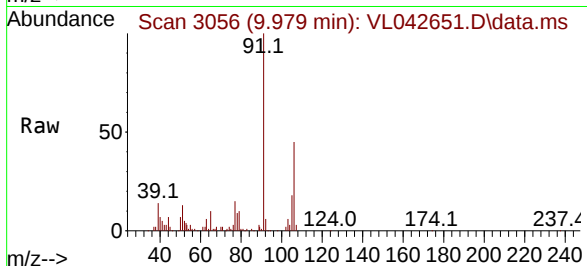




#60
o-Xylene
Concen: 0.839 ppbv
RT: 9.979 min Scan# 3053
Delta R.T. 0.010 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

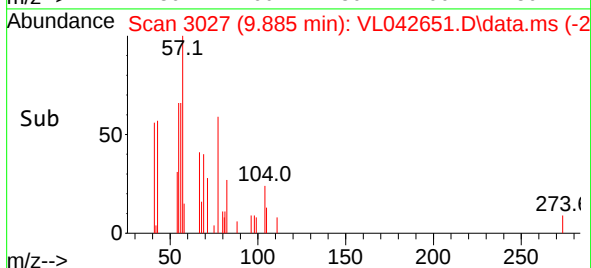
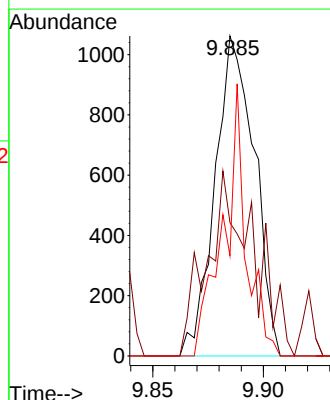
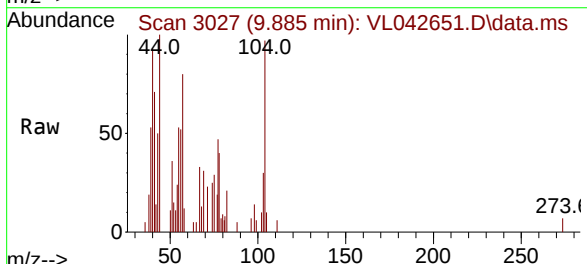
Instrument :
MSVOA_L
ClientSampleId :
SS-1

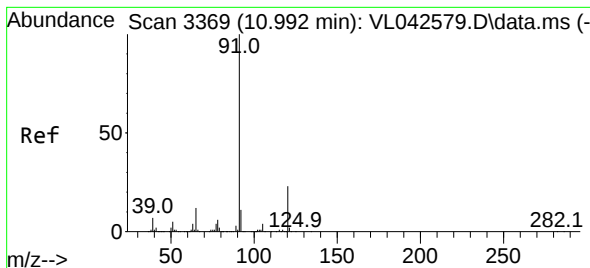
Tgt Ion: 91 Resp: 28349
Ion Ratio Lower Upper
91 100
106 44.5 22.9 68.5



#61
Styrene
Concen: 0.082 ppbv
RT: 9.885 min Scan# 3027
Delta R.T. 0.010 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 104 Resp: 1313
Ion Ratio Lower Upper
104 100
78 73.6 38.2 57.4#
103 49.2 36.7 55.1





#64

n-propylbenzene

Concen: 0.105 ppbv

RT: 11.005 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL042651.D

Acq: 19 Jun 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

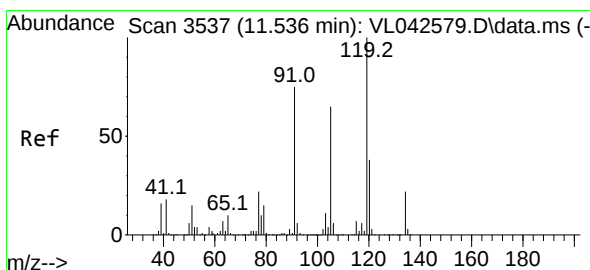
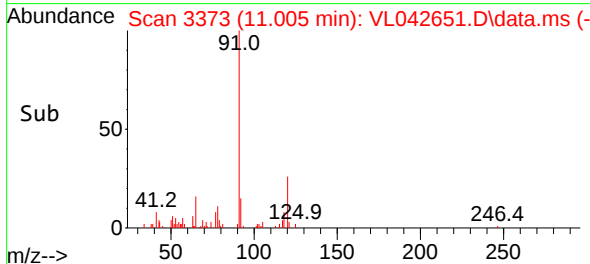
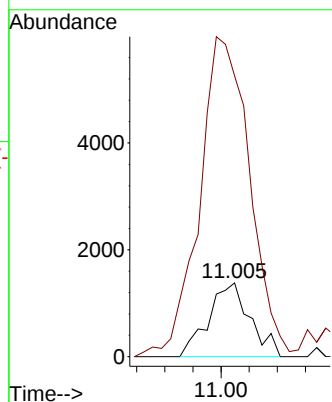
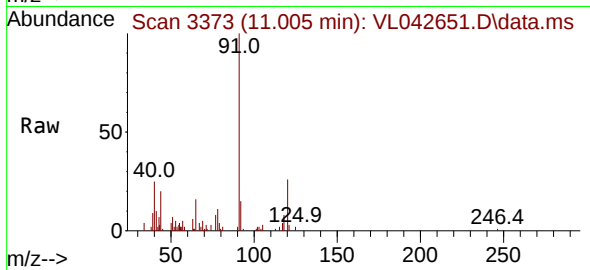
SS-1

Tgt Ion:120 Resp: 1409

Ion Ratio Lower Upper

120 100

91 526.2 363.0 544.6



#65

tert-Butylbenzene

Concen: 0.095 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. 0.013 min

Lab File: VL042651.D

Acq: 19 Jun 2025 11:58

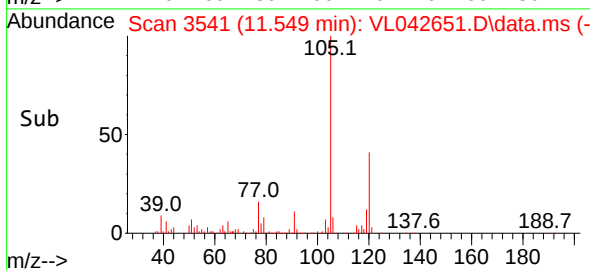
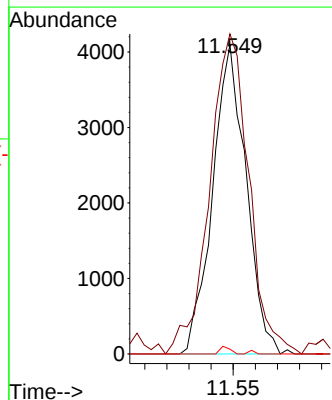
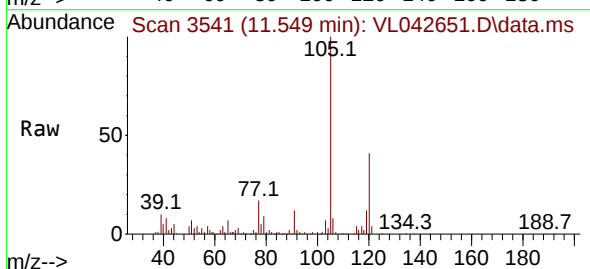
Tgt Ion:119 Resp: 4306

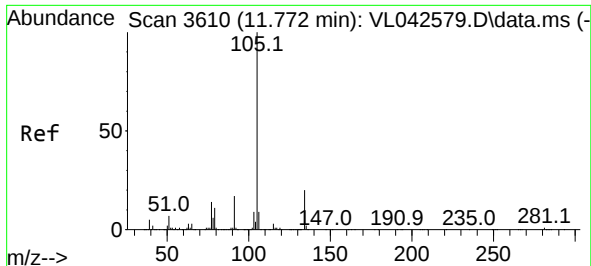
Ion Ratio Lower Upper

119 100

91 124.8 61.1 91.7#

134 0.0 17.4 26.2#

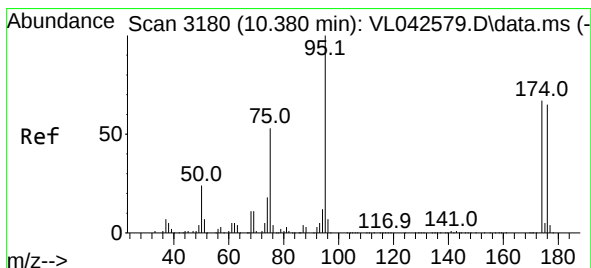
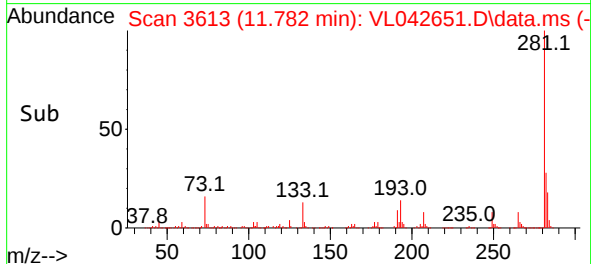
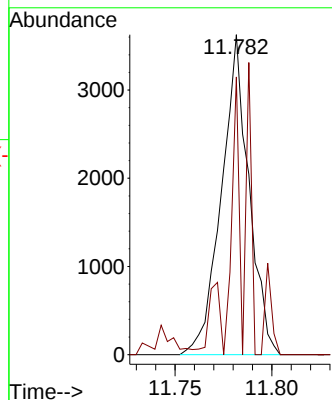
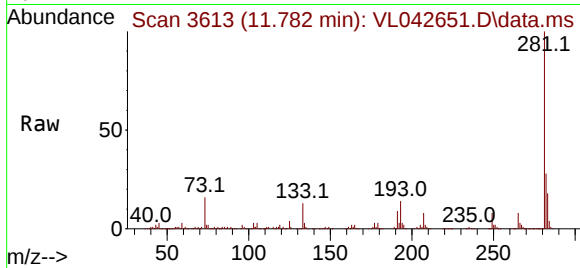




#67
 sec-Butylbenzene
 Concen: 0.056 ppbv
 RT: 11.782 min Scan# 3613
 Delta R.T. 0.010 min
 Lab File: VL042651.D
 Acq: 19 Jun 2025 11:58

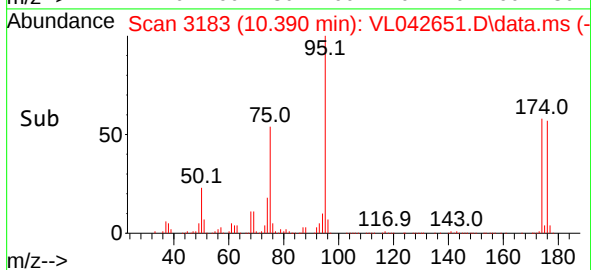
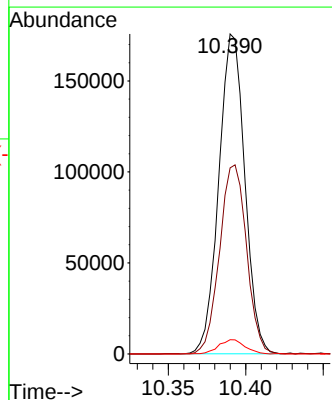
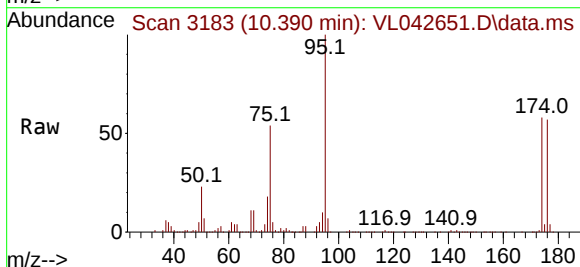
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

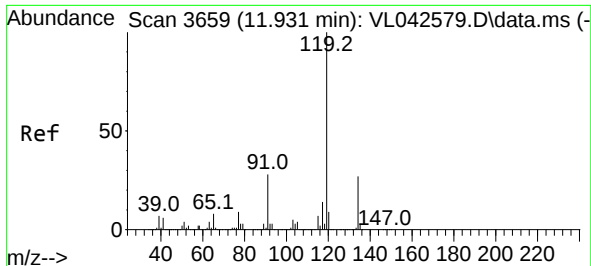
Tgt Ion:105 Resp: 3567
 Ion Ratio Lower Upper
 105 100
 134 62.9 15.8 23.6#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.769 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. 0.010 min
 Lab File: VL042651.D
 Acq: 19 Jun 2025 11:58

Tgt Ion: 95 Resp: 204963
 Ion Ratio Lower Upper
 95 100
 174 61.5 53.1 79.7
 175 4.6 4.2 6.2

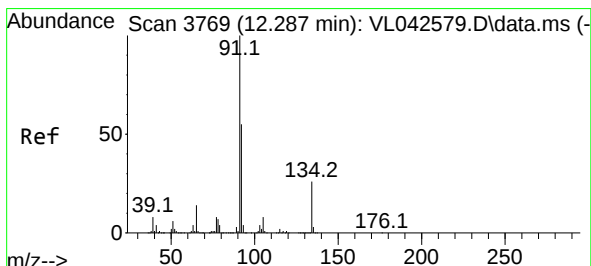
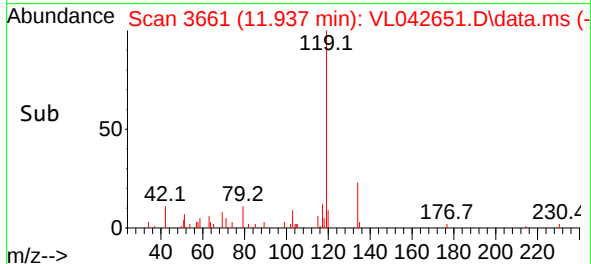
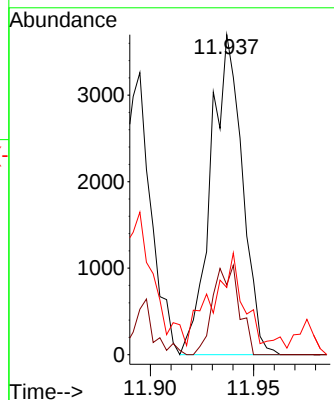
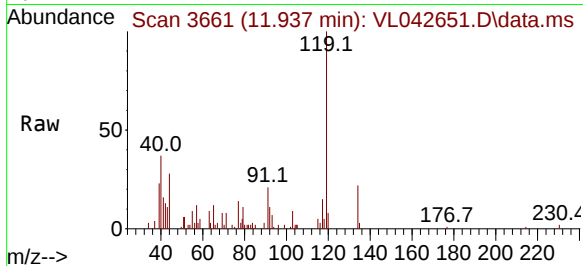




#69
p-Isopropyltoluene
Concen: 0.074 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.006 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

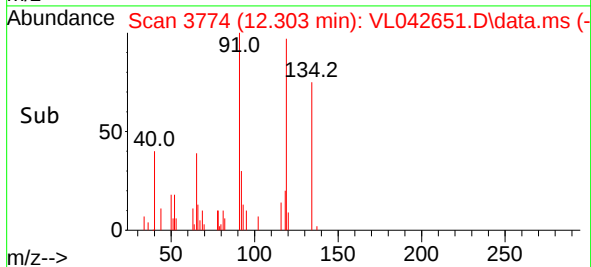
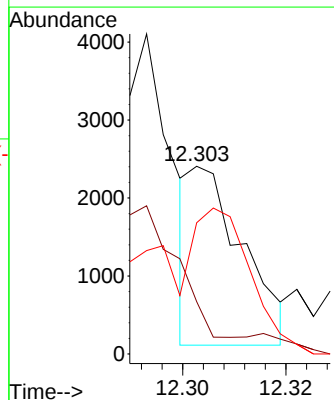
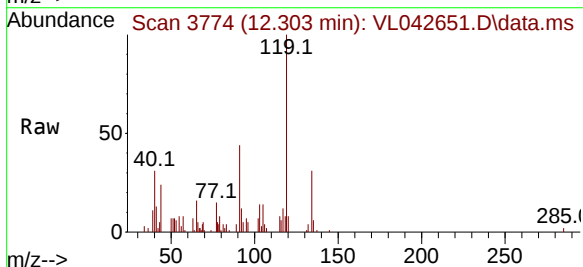
Instrument :
MSVOA_1
ClientSampleId :
SS-1

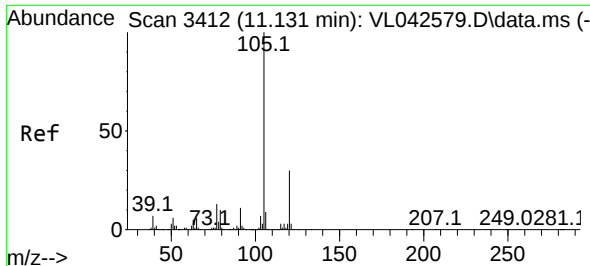
Tgt Ion: 119 Resp: 3934
Ion Ratio Lower Upper
119 100
134 23.1 21.1 31.7
91 31.1 21.9 32.9



#70
n-Butylbenzene
Concen: 0.031 ppbv
RT: 12.303 min Scan# 3774
Delta R.T. 0.016 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion: 91 Resp: 1635
Ion Ratio Lower Upper
91 100
92 0.0 44.4 66.6#
134 201.5 20.1 30.1#

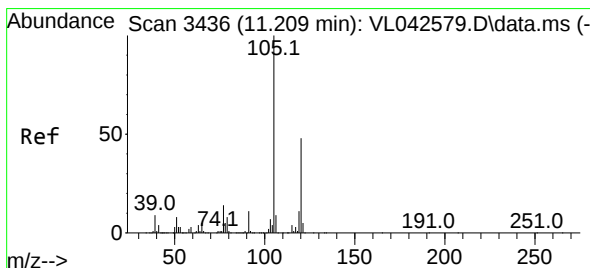
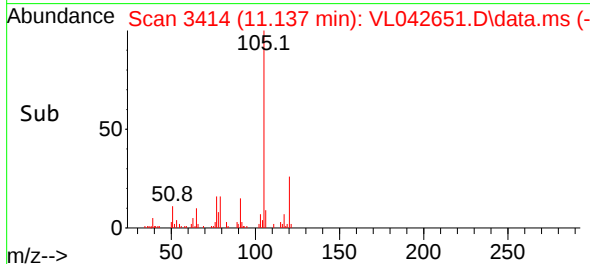
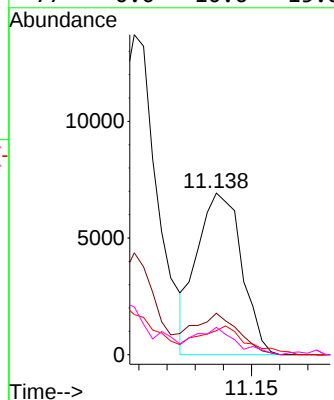
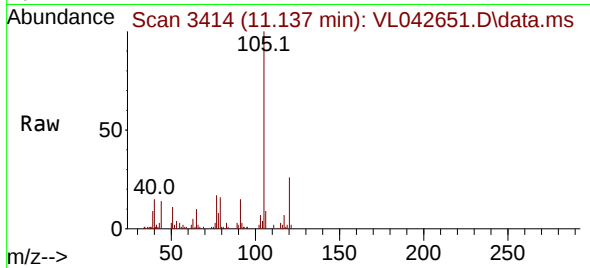




#72
4-Ethyltoluene
Concen: 0.181 ppbv
RT: 11.137 min Scan# 3412
Delta R.T. 0.006 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

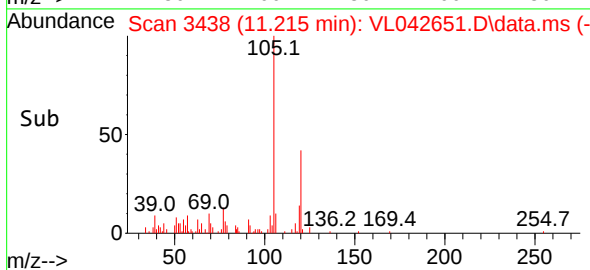
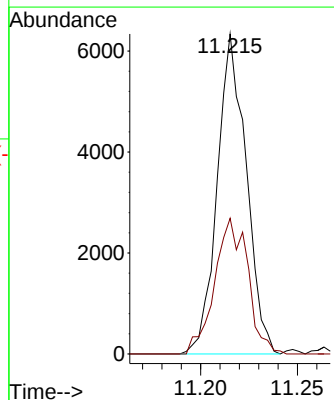
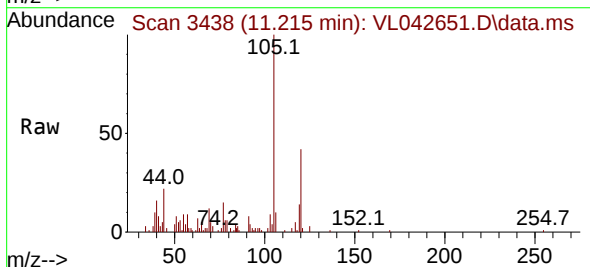
Instrument :
MSVOA_L
ClientSampleId :
SS-1

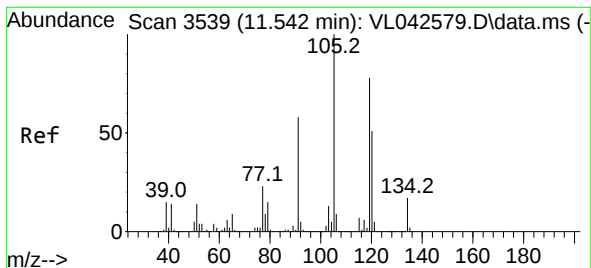
Tgt Ion:105	Resp:	7640
Ion Ratio	Lower	Upper
105	100	
120	0.0	24.6 36.8#
91	0.0	9.6 14.4#
77	0.0	10.6 15.8#



#73
1,3,5-Trimethylbenzene
Concen: 0.189 ppbv
RT: 11.215 min Scan# 3438
Delta R.T. 0.006 min
Lab File: VL042651.D
Acq: 19 Jun 2025 11:58

Tgt Ion:105	Resp:	6608
Ion Ratio	Lower	Upper
105	100	
120	42.4	38.8 58.2





#74

1,2,4-Trimethylbenzene

Concen: 0.899 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. 0.006 min

Lab File: VL042651.D

Acq: 19 Jun 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

SS-1

Tgt Ion:105 Resp: 34784

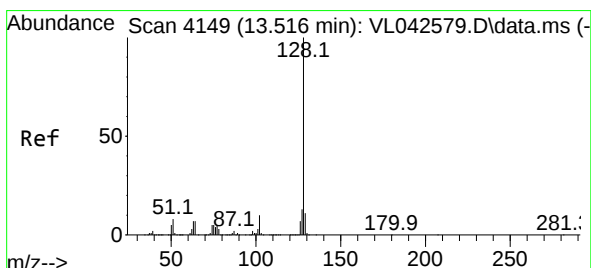
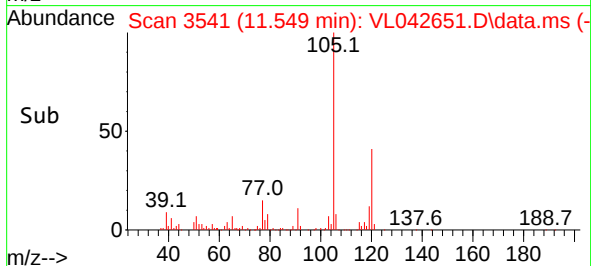
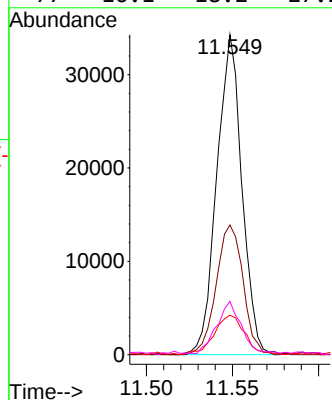
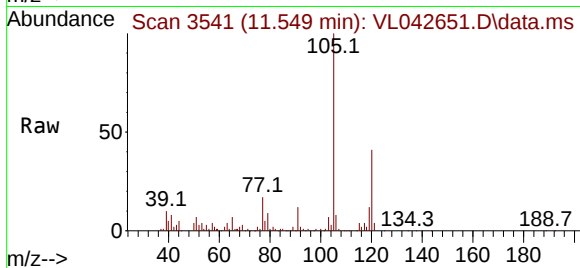
Ion Ratio Lower Upper

105 100

120 40.5 40.8 61.2#

91 12.2 46.8 70.2#

77 16.1 18.2 27.2#



#79

Naphthalene

Concen: 0.530 ppbv

RT: 13.523 min Scan# 4151

Delta R.T. 0.006 min

Lab File: VL042651.D

Acq: 19 Jun 2025 11:58

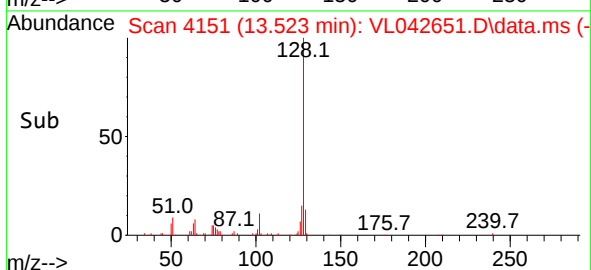
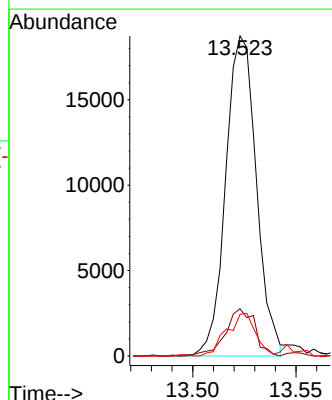
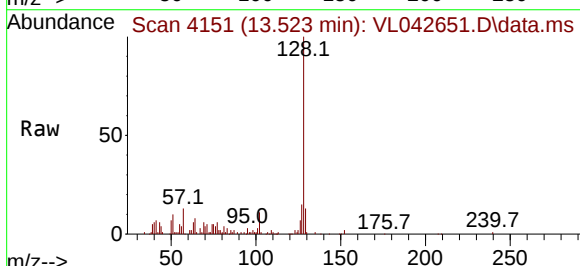
Tgt Ion:128 Resp: 19325

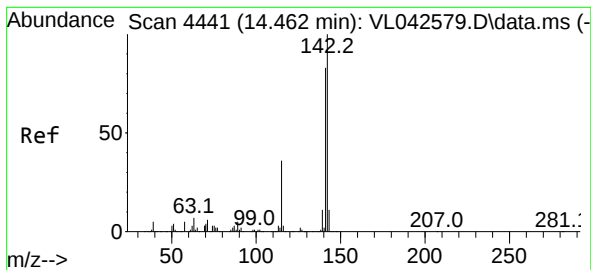
Ion Ratio Lower Upper

128 100

127 14.8 10.2 15.4

129 12.6 8.8 13.2





#80

Naphthalene, 2-methyl-

Concen: 0.767 ppbv

RT: 14.465 min Scan# 44

Delta R.T. 0.003 min

Lab File: VL042651.D

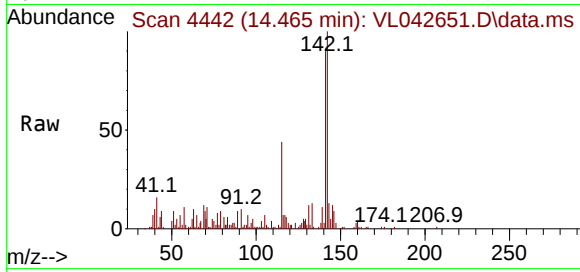
Acq: 19 Jun 2025 11:58

Instrument :

MSVOA_L

ClientSampleId :

SS-1



Tgt Ion: 142 Resp: 12637

Ion Ratio Lower Upper

142 100

141 90.5 66.2 99.4

115 57.0 28.3 42.5#

