

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042960.D
 Acq On : 22 Sep 2025 16:53
 Operator : SY/MD
 Sample : Q3111-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Sep 23 02:51:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	158433	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	482456	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	431460	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.380	95	325029	10.092	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%

Target Compounds					Qvalue	
3) Chlorodifluoromethane	1.842	51	2004	0.075	ppbv	97
6) Bromomethane	1.677	94	97	0.032	ppbv #	6
7) Chloroethane	1.706	64	119	0.035	ppbv #	85
9) Propene	1.887	41	83248	7.205	ppbv	86
10) Heptane	4.981	43	4478	0.145	ppbv #	29
11) Trichlorofluoromethane	1.877	101	1246	0.061	ppbv #	74
13) Ethanol	1.722	45	77444	69.094	ppbv	97
15) Acetone	1.835	43	1106296	53.612	ppbv	99
16) 1,3-Butadiene	1.599	39	2183	0.224	ppbv	92
17) tert-Butyl alcohol	1.887	59	34966	1.545	ppbv	95
19) Isopropyl Alcohol	1.887	45	935425	75.407	ppbv	89
20) Methylene Chloride	2.062	84	7193	0.535	ppbv	92
21) Allyl Chloride	2.191	41	1683	0.117	ppbv #	1
23) Vinyl Acetate	2.473	43	20155	0.684	ppbv #	50
25) Ethyl Acetate	2.839	43	77893	1.494	ppbv #	98
26) Hexane	2.829	57	47310	1.990	ppbv #	77
27) Carbon Disulfide	2.149	76	16744	0.785	ppbv #	51
28) Methyl tert-Butyl Ether	2.441	73	1372	0.111	ppbv #	49
29) Chloroform	2.852	83	2876	0.093	ppbv	96
30) Cyclohexane	3.861	84	4439	0.223	ppbv	85
34) 2-Butanone	2.560	43	27893	0.825	ppbv	99
36) Benzene	3.661	78	15599	0.344	ppbv #	94
37) 1,2-Dichloroethane	3.221	62	899	0.038	ppbv #	88
39) 1,2-Dichloropropane	3.959	63	118437	7.161	ppbv #	23
41) Tetrahydrofuran	3.065	42	9602	0.494	ppbv	97
43) Methyl Methacrylate	4.887	69	815	0.044	ppbv #	1
44) 2,2,4-Trimethylpentane	4.638	57	16035	0.205	ppbv #	10
51) 2-Hexanone	7.454	43	2243	0.062	ppbv #	55
52) Tetrachloroethene	8.228	164	24925	1.422	ppbv	93
53) Toluene	6.936	91	58424	1.090	ppbv	99
58) Ethyl Benzene	9.361	91	10574	0.149	ppbv	92
59) m/p-Xylene	9.535	91	24283	0.435	ppbv #	100
60) o-Xylene	9.966	91	10347	0.185	ppbv	95
61) Styrene	9.872	104	5354	0.203	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.953	83	988	0.034	ppbv #	25
64) n-propylbenzene	10.992	120	942	0.043	ppbv	82
69) p-Isopropyltoluene	11.930	119	3049	0.035	ppbv #	90
71) 2-Chlorotoluene	10.995	91	3963	0.063	ppbv	74
72) 4-Ethyltoluene	11.128	105	2509	0.036	ppbv #	43
73) 1,3,5-Trimethylbenzene	11.205	105	3082	0.054	ppbv #	75
74) 1,2,4-Trimethylbenzene	11.539	105	8215	0.131	ppbv #	60
78) Hexachloro-1,3-Butadiene	13.885	225	1134	0.039	ppbv	87
79) Naphthalene	13.516	128	5583	0.101	ppbv #	96

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

Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Sep 23 02:51:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

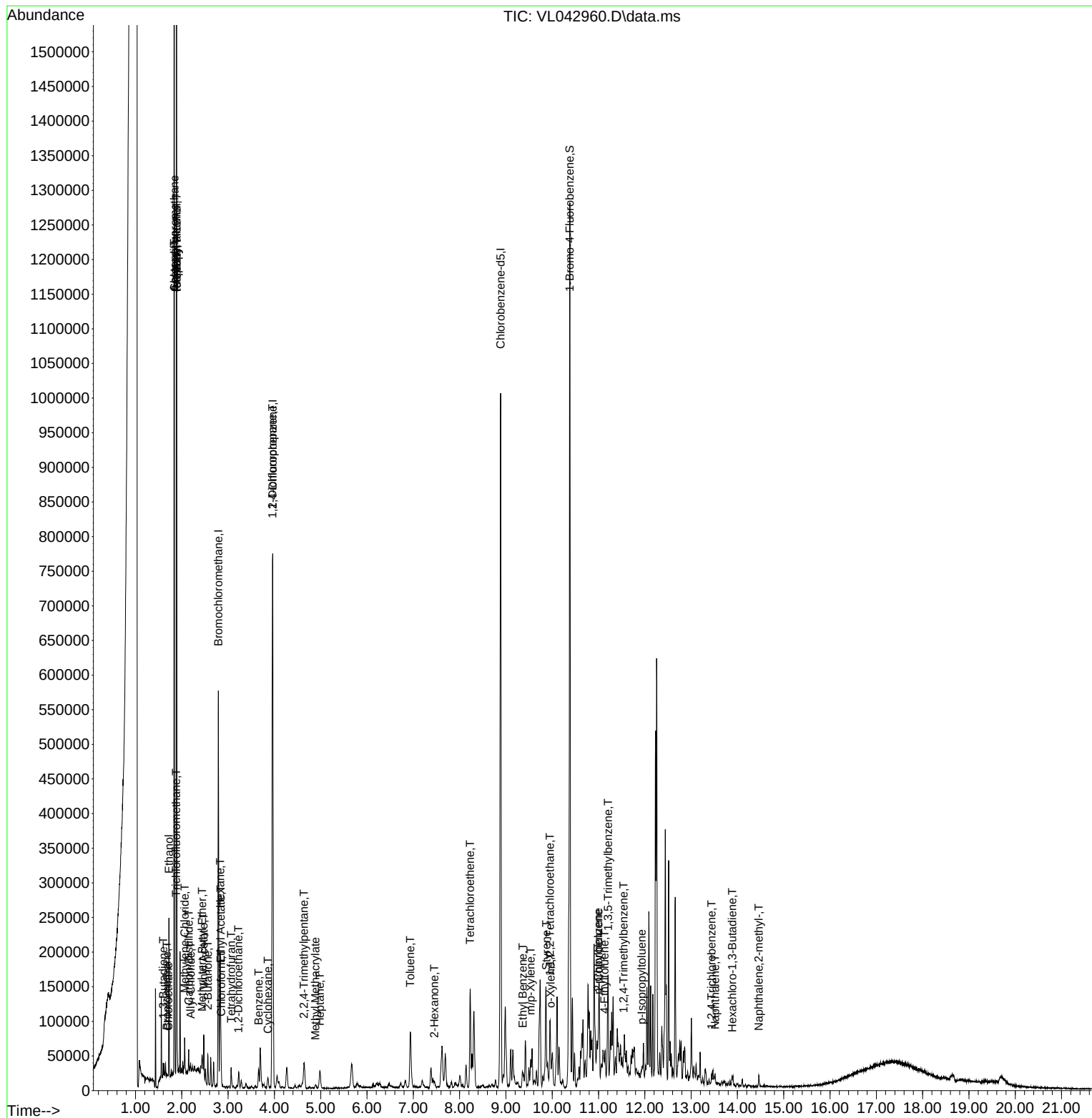
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	14.461	142	5218	0.305	ppbv	# 92
81) 1,2,4-Trichlorobenzene	13.442	180	2210	0.075	ppbv	95

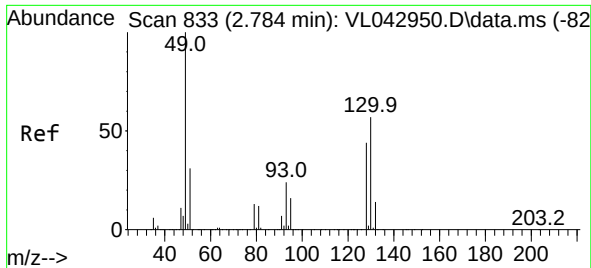
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
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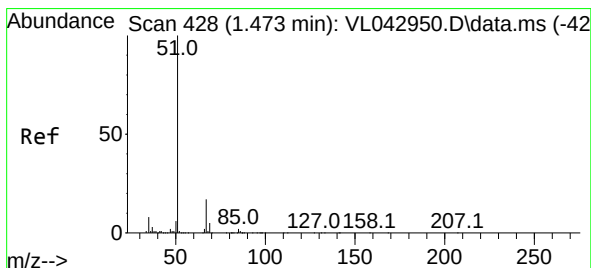
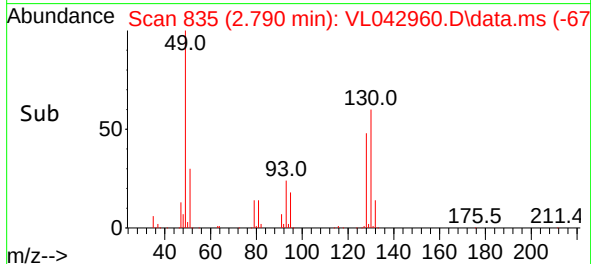
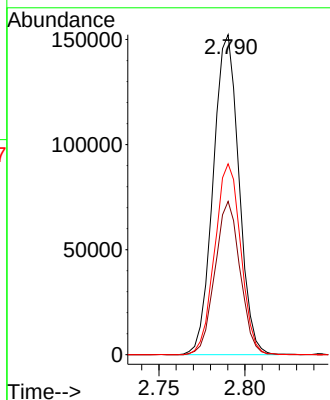
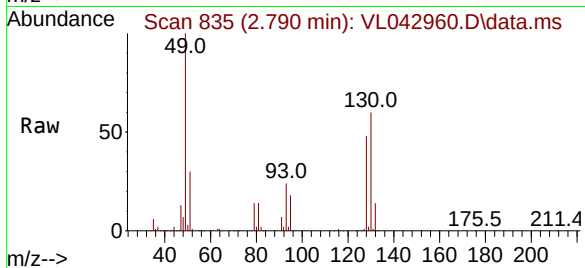




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

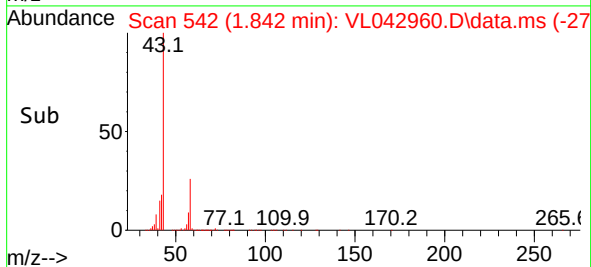
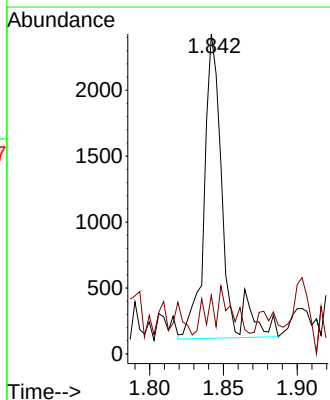
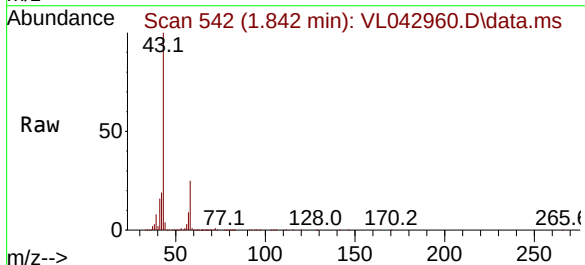
Instrument :
MSVOA_L
ClientSampleId :
SV1

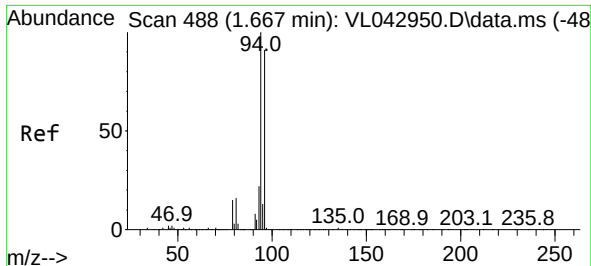
Tgt Ion: 49 Resp: 158433
Ion Ratio Lower Upper
49 100
128 46.9 22.9 68.8
130 60.3 29.1 87.3



#3
Chlorodifluoromethane
Concen: 0.075 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.369 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion: 51 Resp: 2004
Ion Ratio Lower Upper
51 100
67 18.5 13.8 20.8

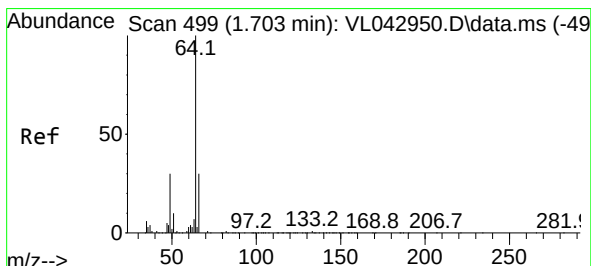
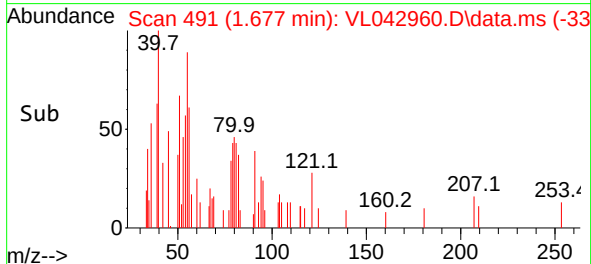
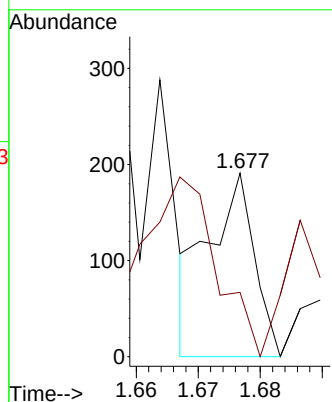
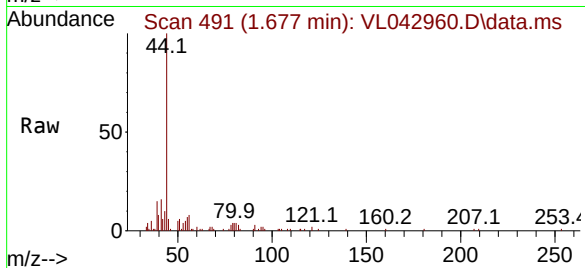




#6
Bromomethane
Concen: 0.032 ppbv
RT: 1.677 min Scan# 491
Delta R.T. 0.010 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

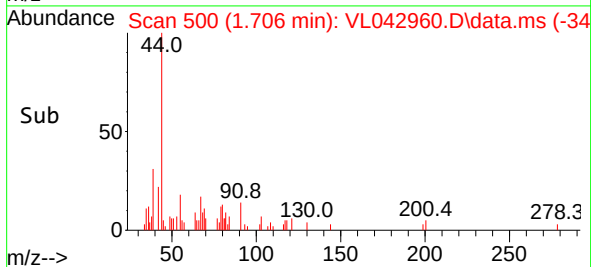
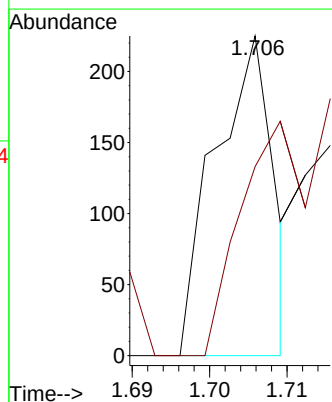
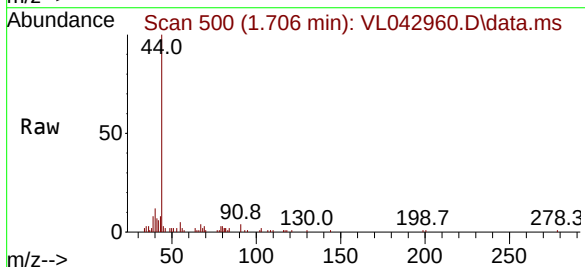
Instrument :
MSVOA_L
ClientSampleId :
SV1

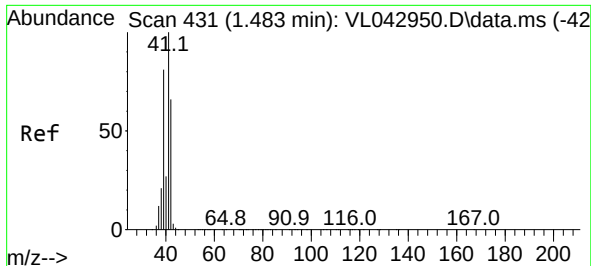
Tgt Ion: 94 Resp: 97
Ion Ratio Lower Upper
94 100
96 1.6 72.6 108.8#



#7
Chloroethane
Concen: 0.035 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion: 64 Resp: 119
Ion Ratio Lower Upper
64 100
66 39.1 24.6 36.8#





#9

Propene

Concen: 7.205 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.404 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

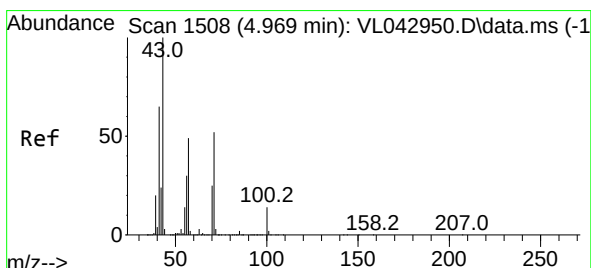
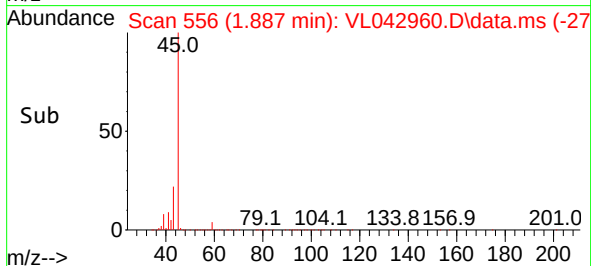
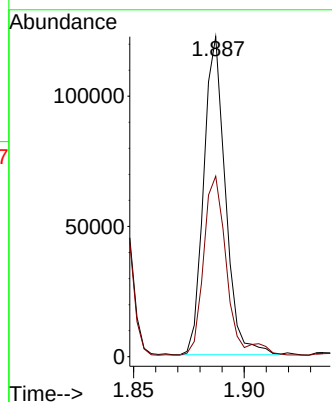
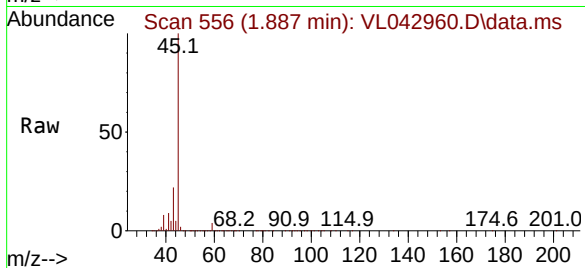
SV1

Tgt Ion: 41 Resp: 83248

Ion Ratio Lower Upper

41 100

42 59.8 57.4 86.2



#10

Heptane

Concen: 0.145 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.013 min

Lab File: VL042960.D

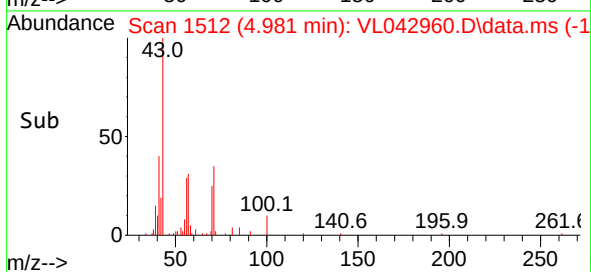
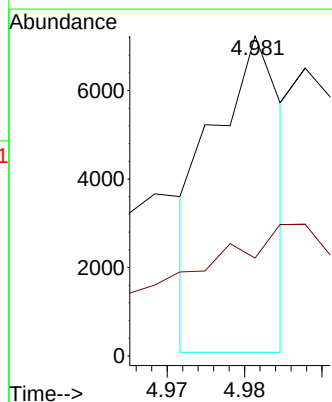
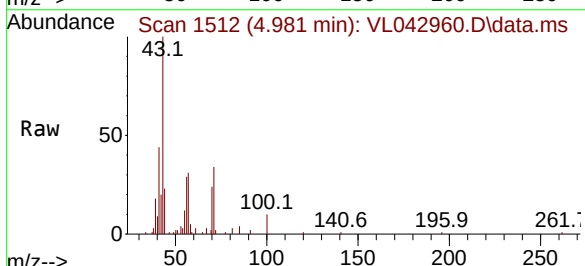
Acq: 22 Sep 2025 16:53

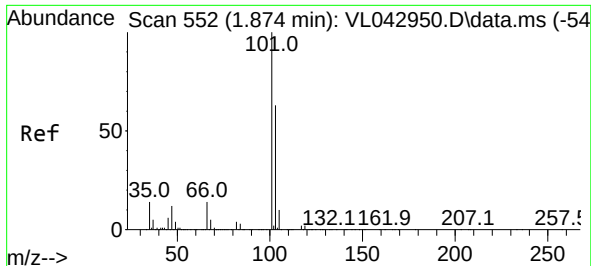
Tgt Ion: 43 Resp: 4478

Ion Ratio Lower Upper

43 100

57 0.0 38.6 57.8#

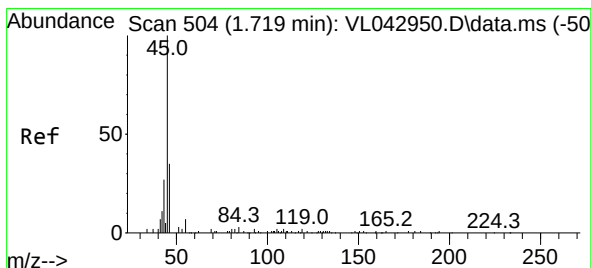
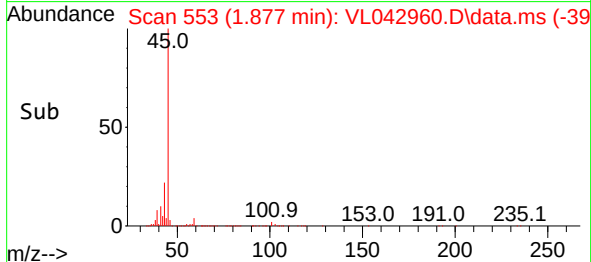
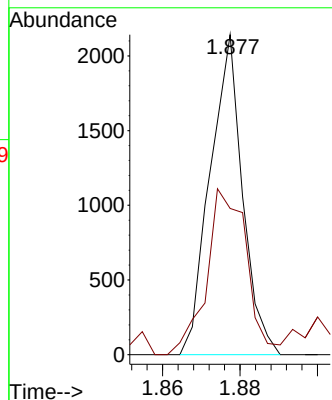
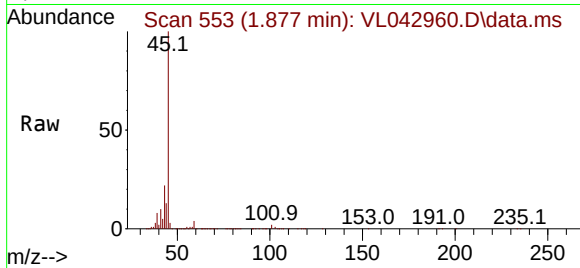




#11
 Trichlorofluoromethane
 Concen: 0.061 ppbv
 RT: 1.877 min Scan# 505
 Delta R.T. 0.003 min
 Lab File: VL042960.D
 Acq: 22 Sep 2025 16:53

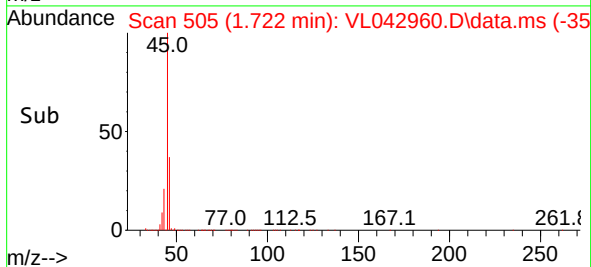
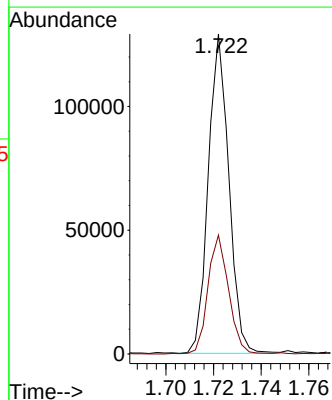
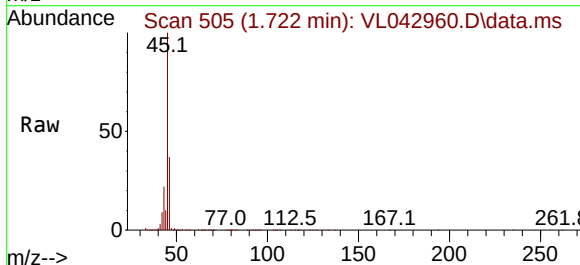
Instrument :
 MSVOA_1
 ClientSampleId :
 SV1

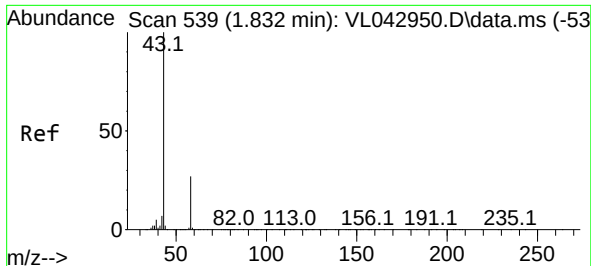
Tgt Ion:101 Resp: 1246
 Ion Ratio Lower Upper
 101 100
 103 42.6 50.1 75.1#



#13
 Ethanol
 Concen: 69.094 ppbv
 RT: 1.722 min Scan# 505
 Delta R.T. 0.003 min
 Lab File: VL042960.D
 Acq: 22 Sep 2025 16:53

Tgt Ion: 45 Resp: 77444
 Ion Ratio Lower Upper
 45 100
 46 38.3 16.2 64.6





#15

Acetone

Concen: 53.612 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

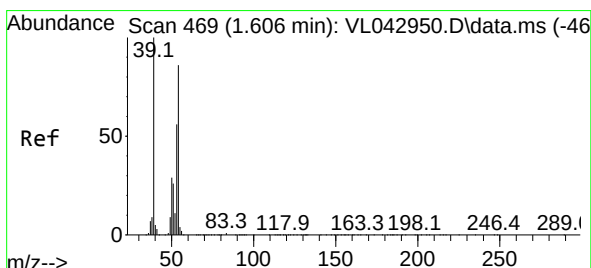
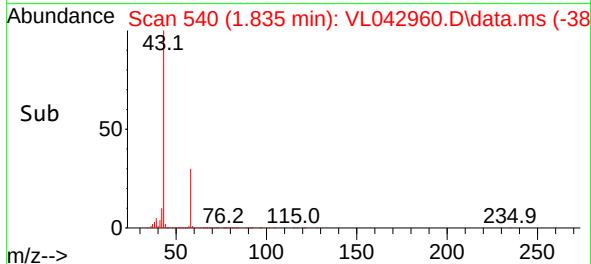
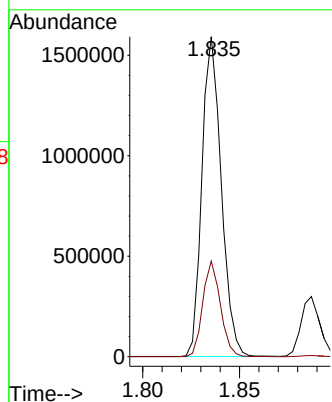
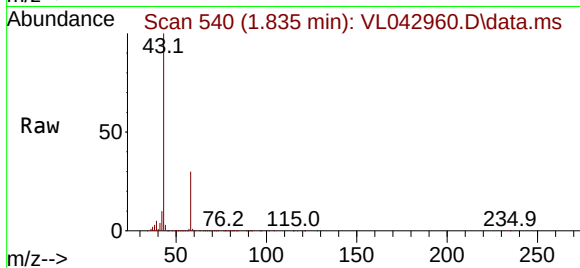
SV1

Tgt Ion: 43 Resp: 1106296

Ion Ratio Lower Upper

43 100

58 27.2 22.3 33.5



#16

1,3-Butadiene

Concen: 0.224 ppbv

RT: 1.599 min Scan# 467

Delta R.T. -0.007 min

Lab File: VL042960.D

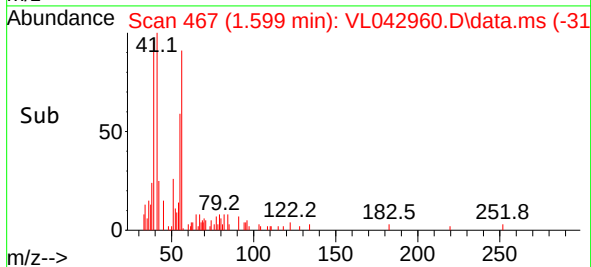
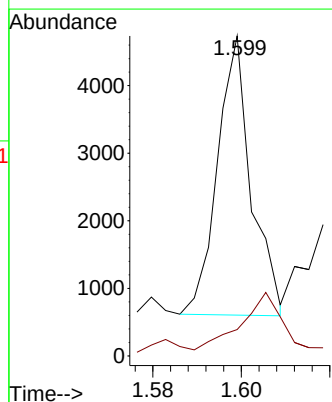
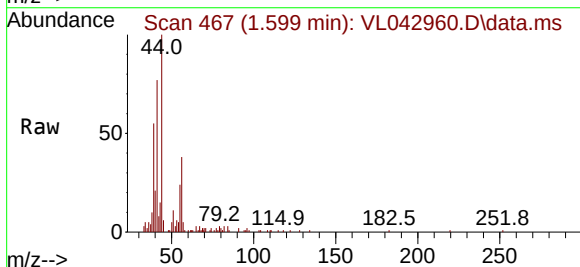
Acq: 22 Sep 2025 16:53

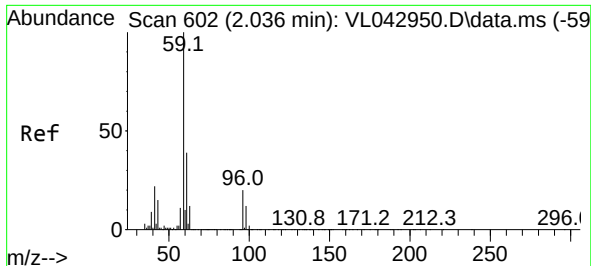
Tgt Ion: 39 Resp: 2183

Ion Ratio Lower Upper

39 100

54 68.9 60.8 91.2





#17

tert-Butyl alcohol

Concen: 1.545 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.149 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

Instrument :

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ClientSampleId :

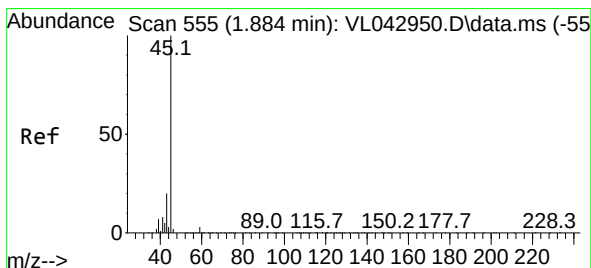
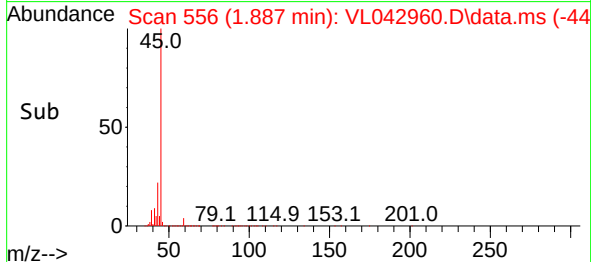
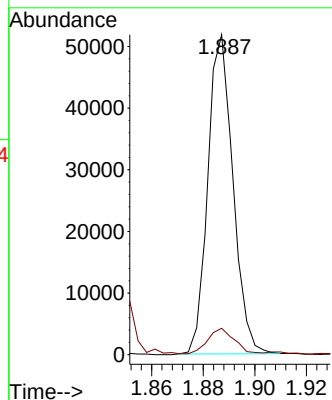
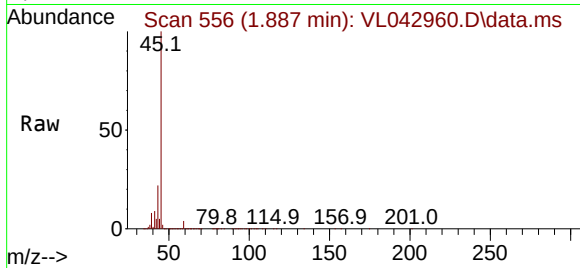
SV1

Tgt Ion: 59 Resp: 34966

Ion Ratio Lower Upper

59 100

57 9.0 8.6 12.8



#19

Isopropyl Alcohol

Concen: 75.407 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042960.D

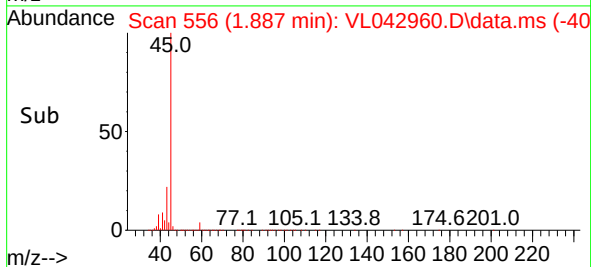
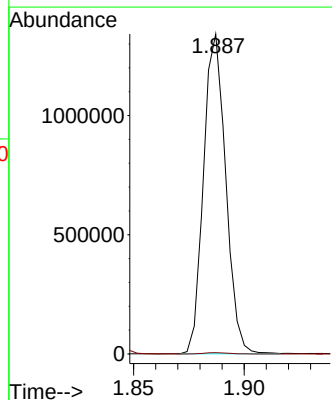
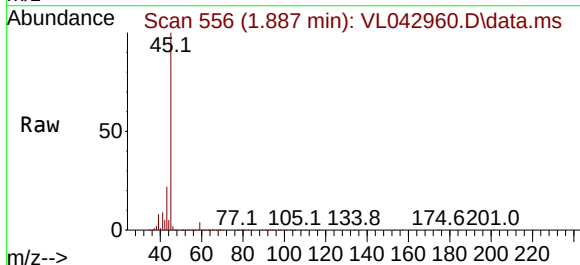
Acq: 22 Sep 2025 16:53

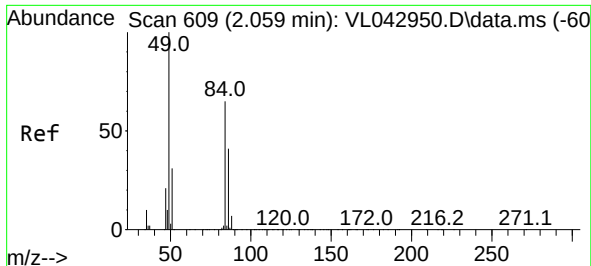
Tgt Ion: 45 Resp: 935425

Ion Ratio Lower Upper

45 100

58 32.2 31.0 46.6





#20

Methylene Chloride

Concen: 0.535 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 84 Resp: 7193

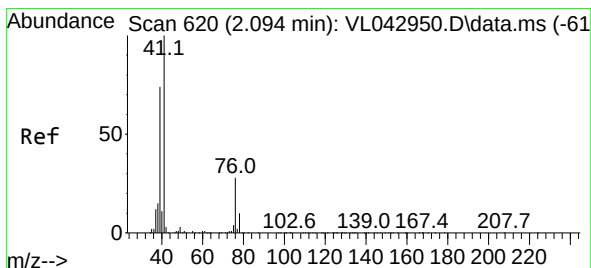
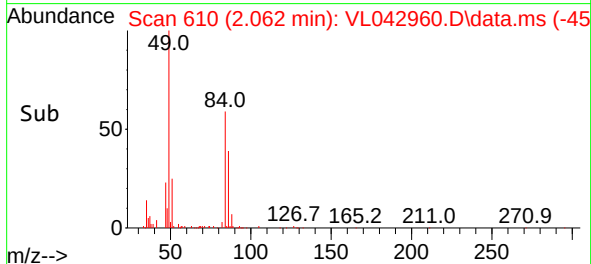
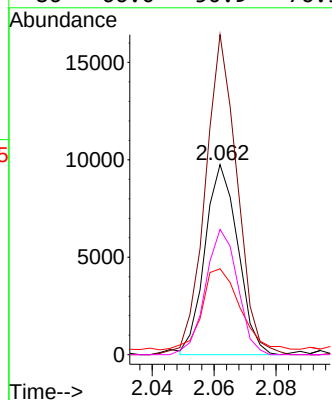
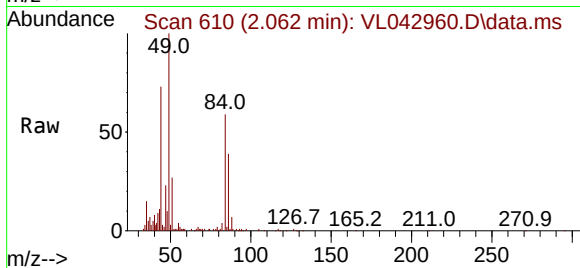
Ion Ratio Lower Upper

84 100

49 166.9 124.1 186.1

51 40.9 39.8 59.8

86 66.0 50.9 76.3



#21

Allyl Chloride

Concen: 0.117 ppbv

RT: 2.191 min Scan# 650

Delta R.T. 0.097 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

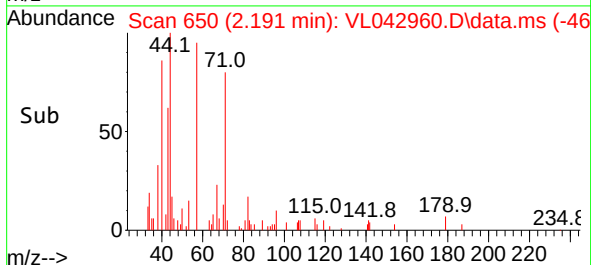
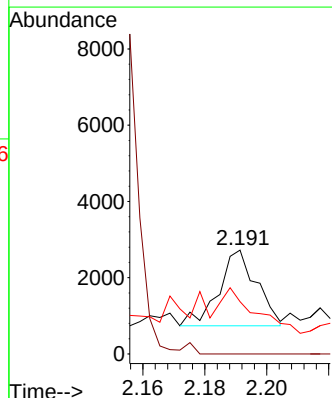
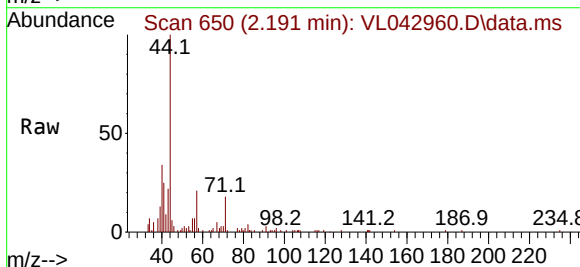
Tgt Ion: 41 Resp: 1683

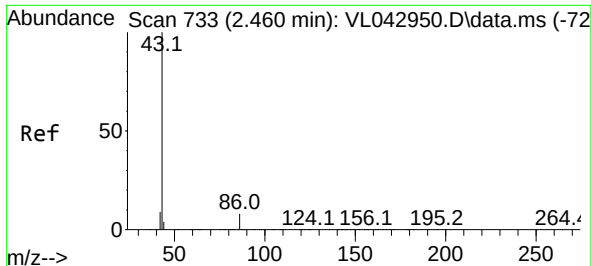
Ion Ratio Lower Upper

41 100

76 1000.7 22.3 33.5#

39 199.7 61.3 91.9#

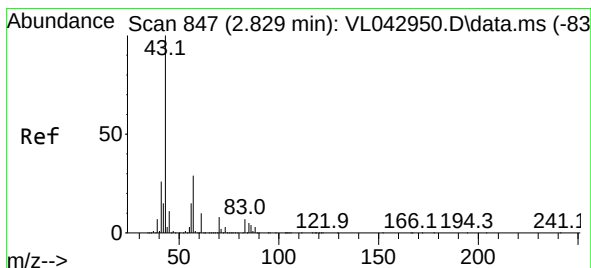
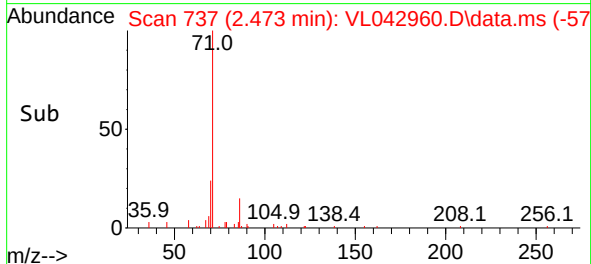
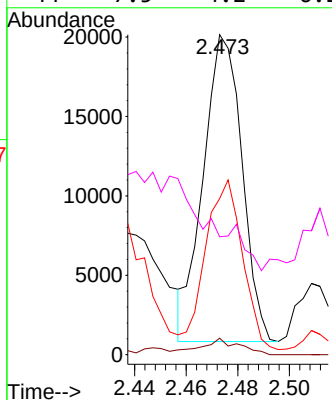
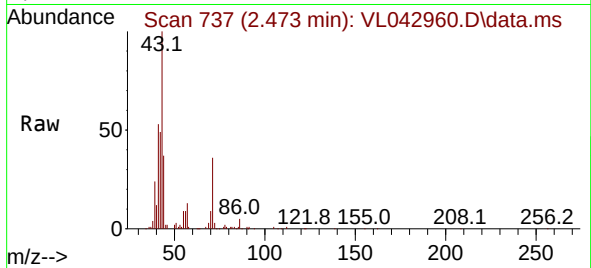




#23
Vinyl Acetate
Concen: 0.684 ppbv
RT: 2.473 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

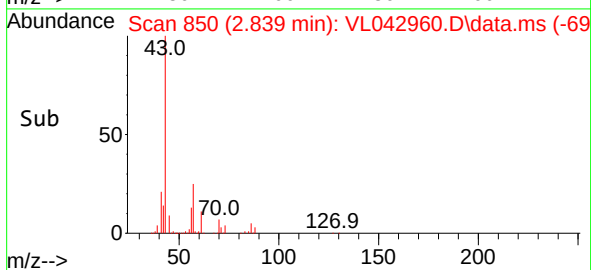
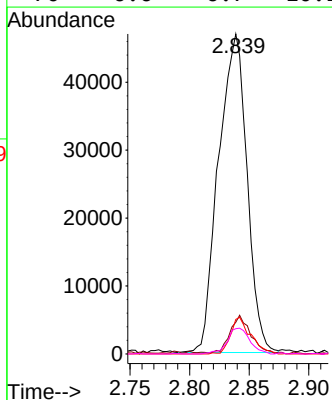
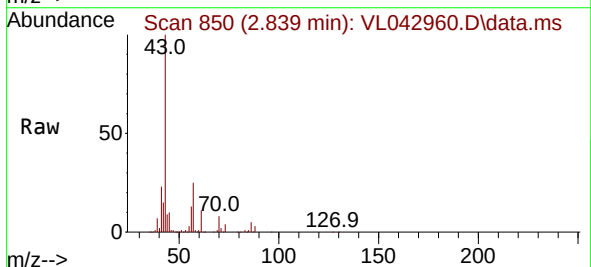
Instrument :
MSVOA_L
ClientSampleId :
SV1

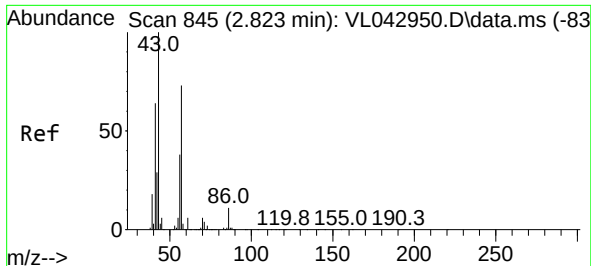
Tgt Ion:	43	Resp:	20155
Ion	Ratio	Lower	Upper
43	100		
86	5.4	6.2	9.2#
42	49.2	7.4	11.0#
44	7.5	4.2	6.2#



#25
Ethyl Acetate
Concen: 1.494 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion:	43	Resp:	77893
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.7	11.5
61	8.1	7.1	10.7
70	6.6	6.7	10.1#

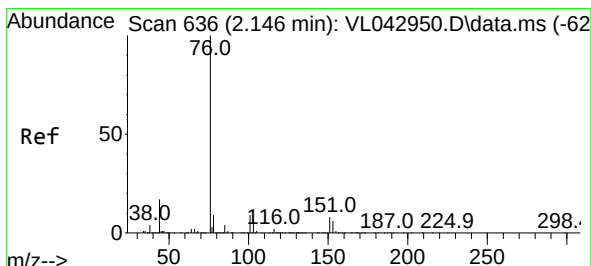
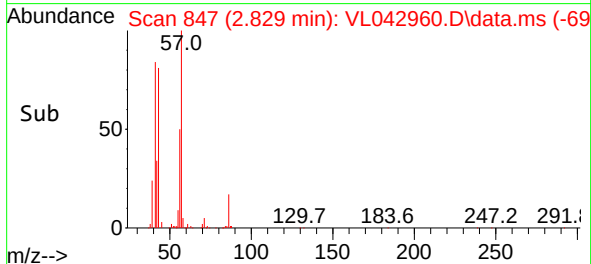
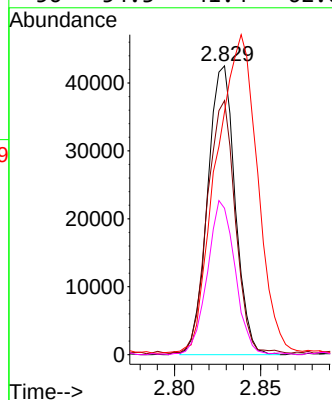
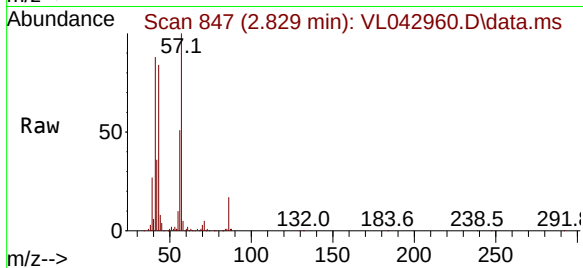




#26
Hexane
Concen: 1.990 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

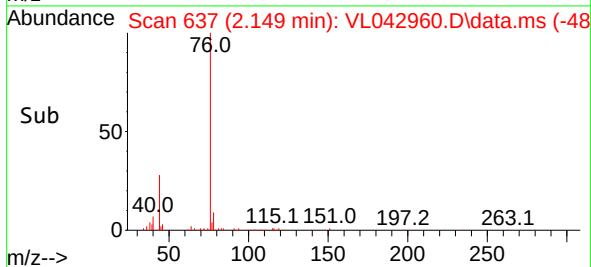
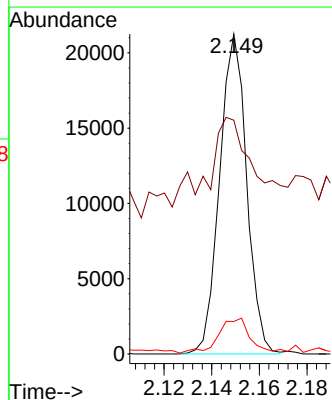
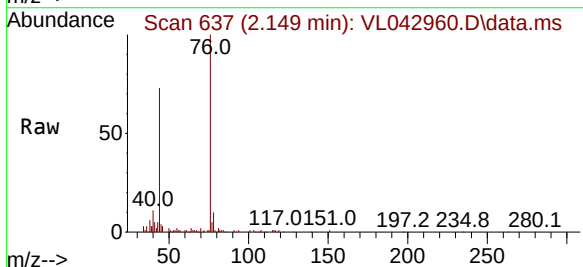
Instrument :
MSVOA_L
ClientSampleId :
SV1

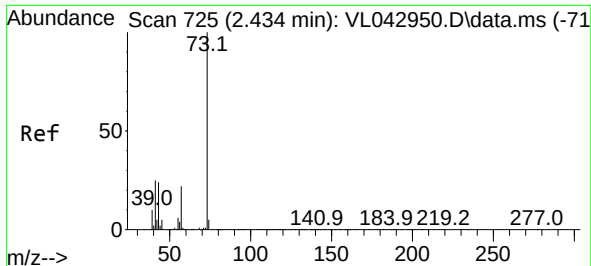
Tgt Ion: 57 Resp: 47310
Ion Ratio Lower Upper
57 100
41 90.4 71.7 107.5
43 166.2 180.8 271.2#
56 54.3 41.4 62.0



#27
Carbon Disulfide
Concen: 0.785 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion: 76 Resp: 16744
Ion Ratio Lower Upper
76 100
44 51.1 15.6 23.4#
78 15.9 8.9 13.3#

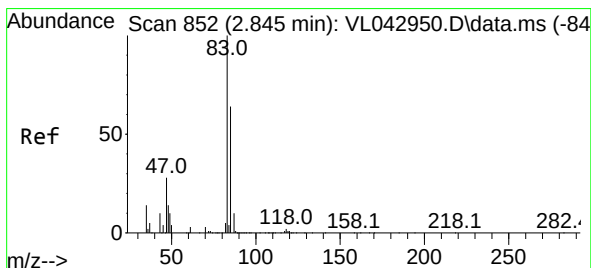
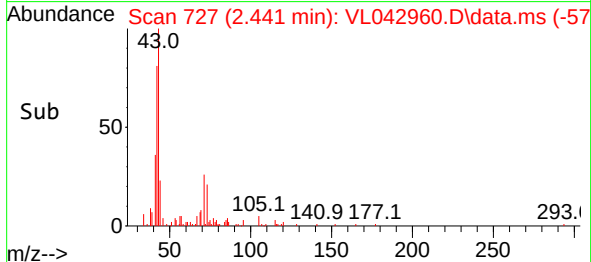
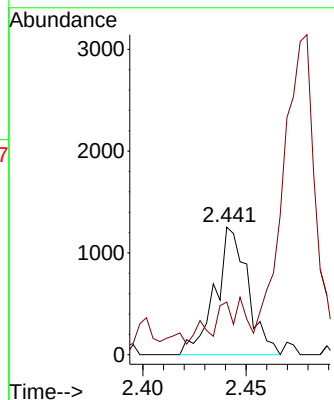
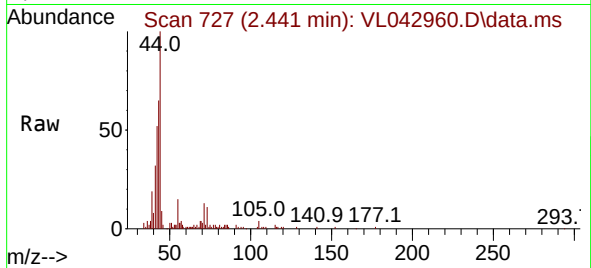




#28
Methyl tert-Butyl Ether
Concen: 0.111 ppbv
RT: 2.441 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

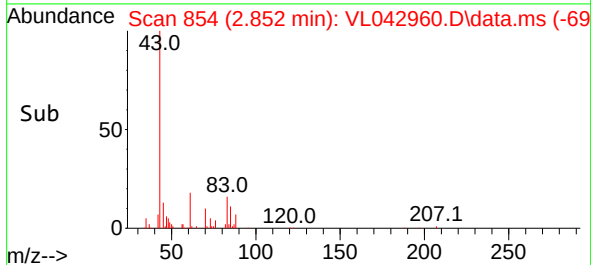
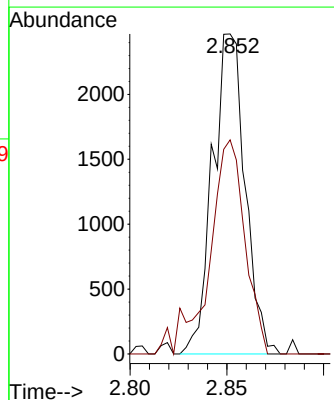
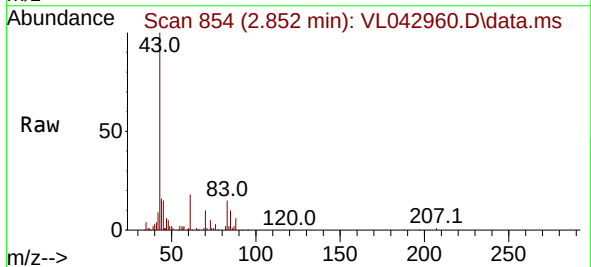
Instrument :
MSVOA_L
ClientSampleId :
SV1

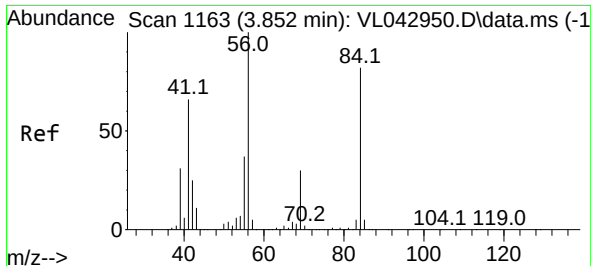
Tgt Ion: 73 Resp: 1372
Ion Ratio Lower Upper
73 100
57 0.0 20.6 31.0#



#29
Chloroform
Concen: 0.093 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.006 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion: 83 Resp: 2876
Ion Ratio Lower Upper
83 100
85 66.9 51.2 76.8

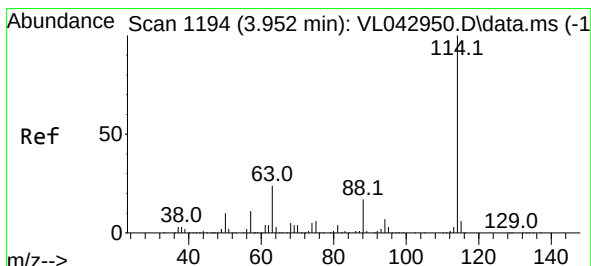
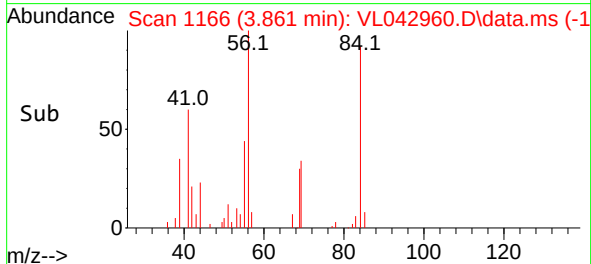
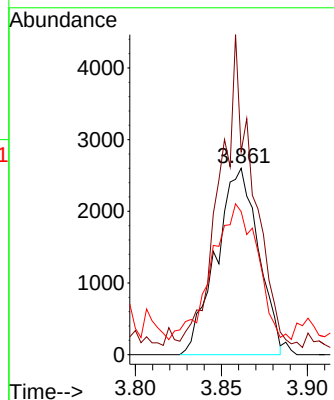
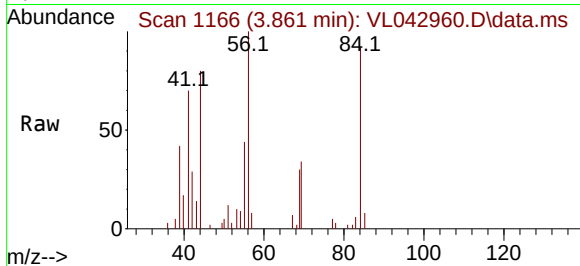




#30
Cyclohexane
Concen: 0.223 ppbv
RT: 3.861 min Scan# 1166
Delta R.T. 0.010 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

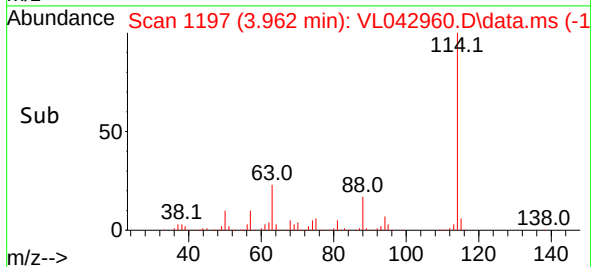
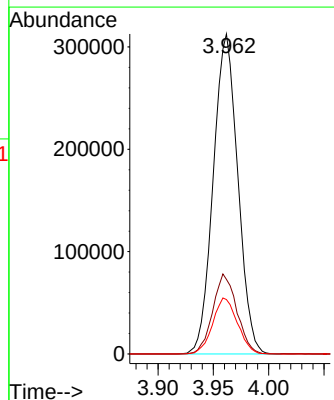
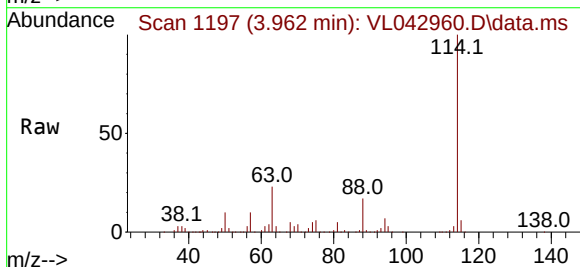
Instrument :
MSVOA_L
ClientSampleId :
SV1

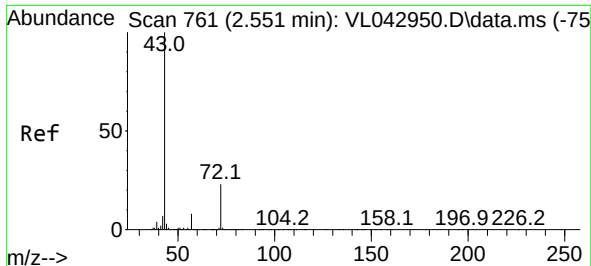
Tgt Ion: 84 Resp: 4439
Ion Ratio Lower Upper
84 100
56 148.5 102.2 153.4
41 71.8 65.6 98.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.010 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion: 114 Resp: 482456
Ion Ratio Lower Upper
114 100
63 24.6 19.4 29.2
88 17.7 14.2 21.2

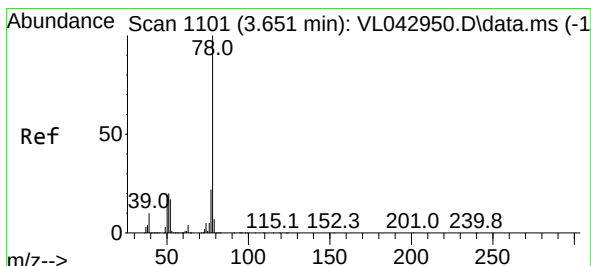
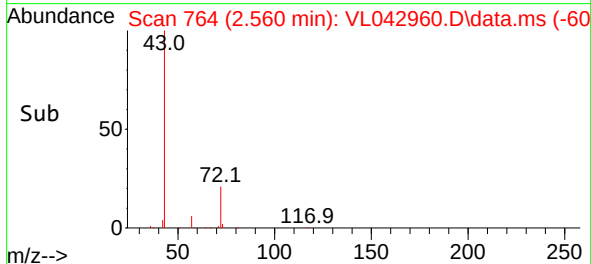
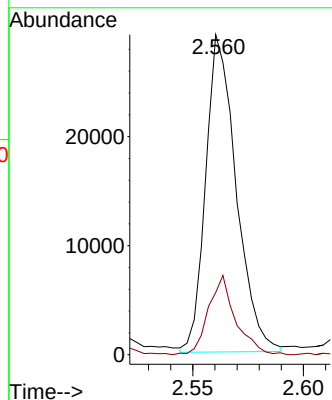
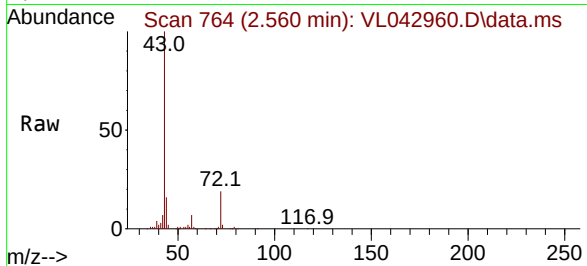




#34
2-Butanone
Concen: 0.825 ppbv
RT: 2.560 min Scan# 70
Delta R.T. 0.010 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

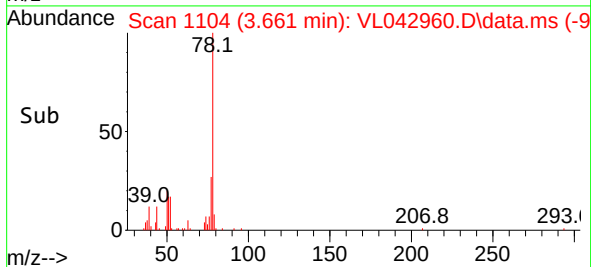
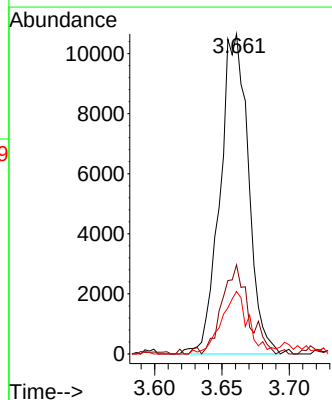
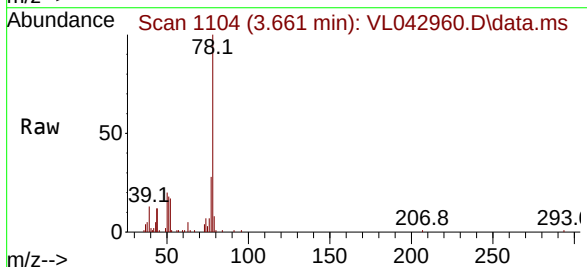
Instrument :
MSVOA_L
ClientSampleId :
SV1

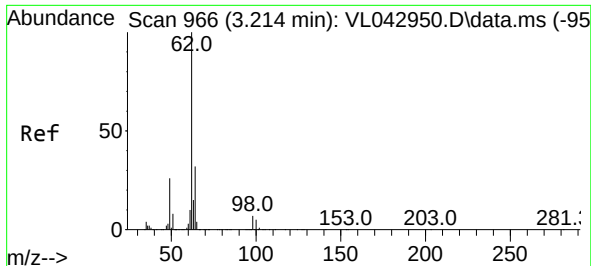
Tgt Ion: 43 Resp: 27893
Ion Ratio Lower Upper
43 100
72 22.3 17.7 26.5



#36
Benzene
Concen: 0.344 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.010 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion: 78 Resp: 15599
Ion Ratio Lower Upper
78 100
77 27.0 17.8 26.6#
50 19.5 15.0 22.4





#37

1,2-Dichloroethane

Concen: 0.038 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

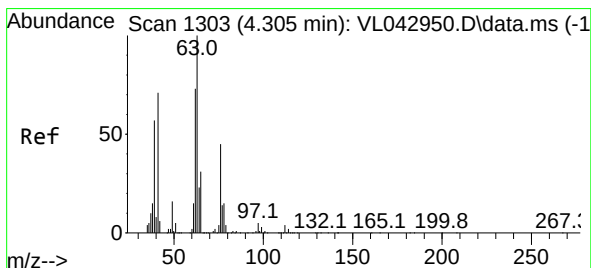
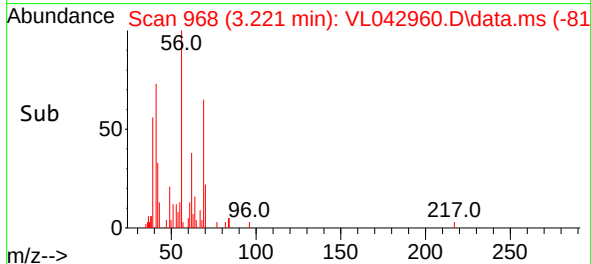
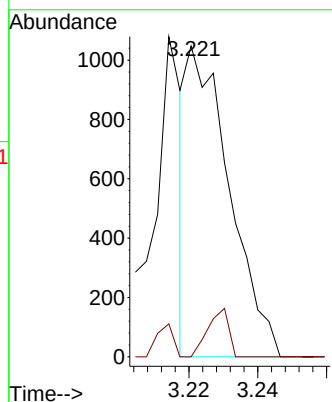
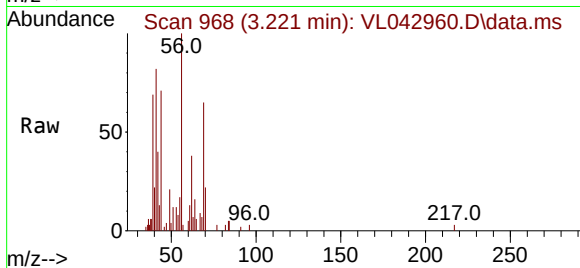
SV1

Tgt Ion: 62 Resp: 899

Ion Ratio Lower Upper

62 100

98 11.7 5.9 8.9#



#39

1,2-Dichloropropane

Concen: 7.161 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.347 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

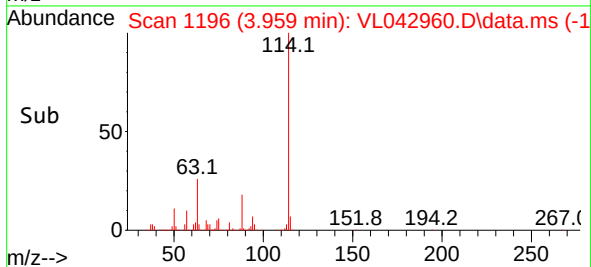
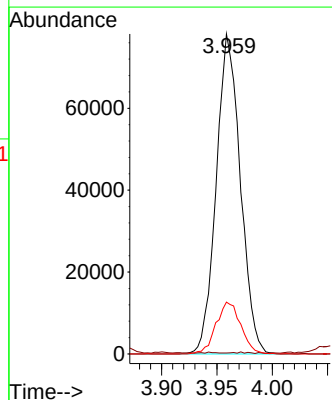
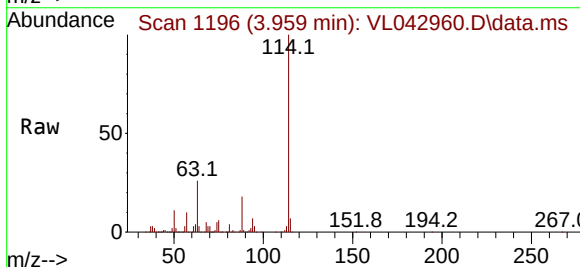
Tgt Ion: 63 Resp: 118437

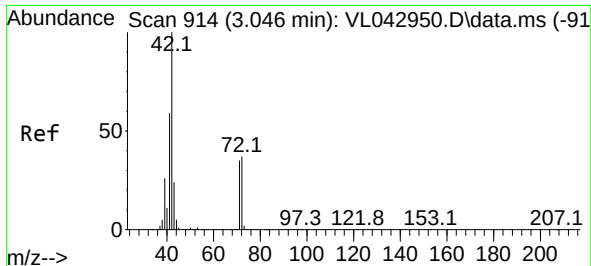
Ion Ratio Lower Upper

63 100

41 0.2 57.5 86.3#

62 16.2 58.5 87.7#

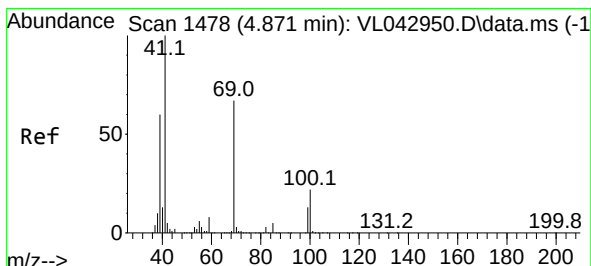
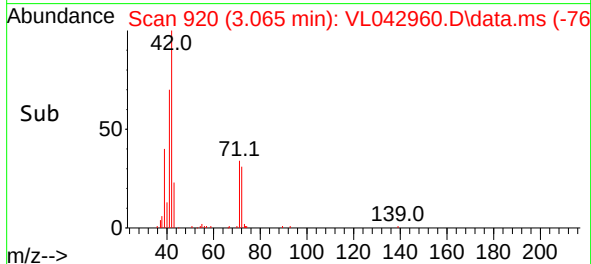
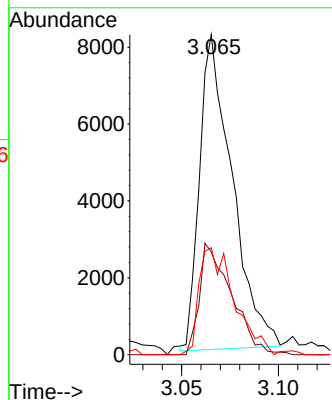
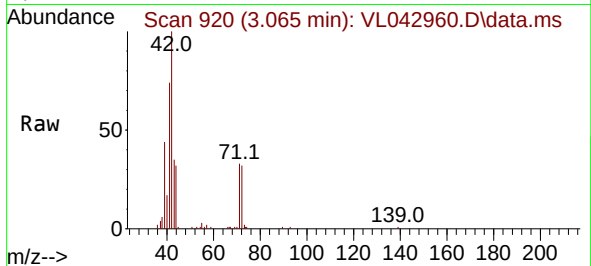




#41
Tetrahydrofuran
Concen: 0.494 ppbv
RT: 3.065 min Scan# 914
Delta R.T. 0.019 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

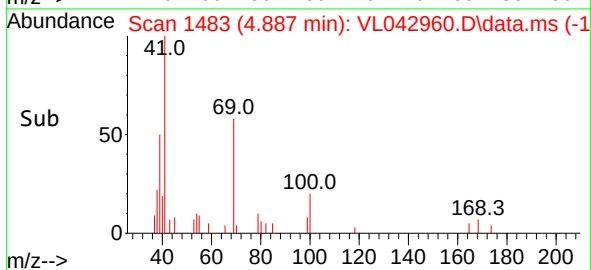
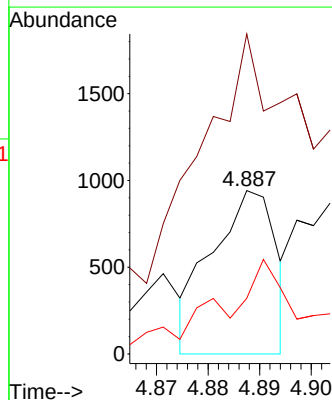
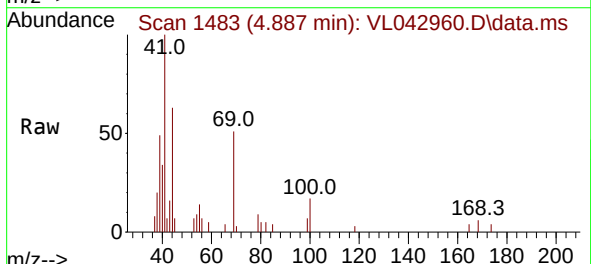
Instrument :
MSVOA_L
ClientSampleId :
SV1

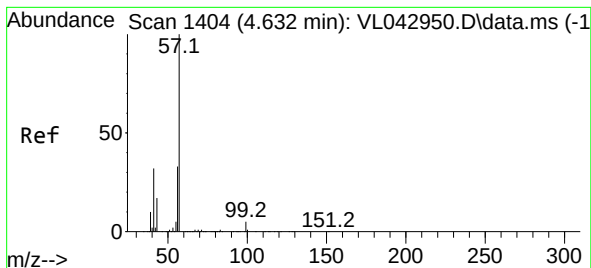
Tgt Ion:	42	Resp:	9602
Ion	Ratio	Lower	Upper
42	100		
72	34.8	30.0	45.0
71	37.3	28.8	43.2



#43
Methyl Methacrylate
Concen: 0.044 ppbv
RT: 4.887 min Scan# 1483
Delta R.T. 0.016 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion:	69	Resp:	815
Ion	Ratio	Lower	Upper
69	100		
41	447.0	124.5	186.7#
100	89.0	29.0	43.6#





#44

2,2,4-Trimethylpentane

Concen: 0.205 ppbv

RT: 4.638 min Scan# 1404

Delta R.T. 0.006 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

SV1

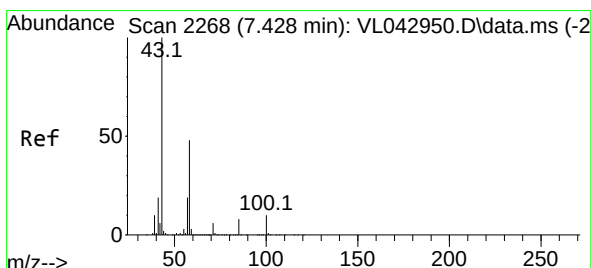
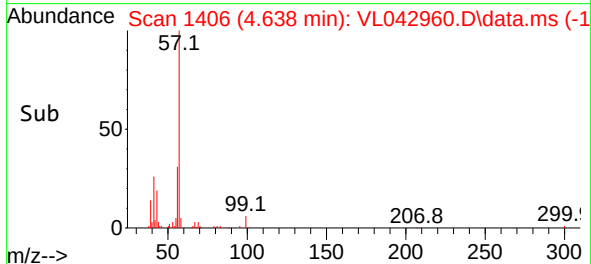
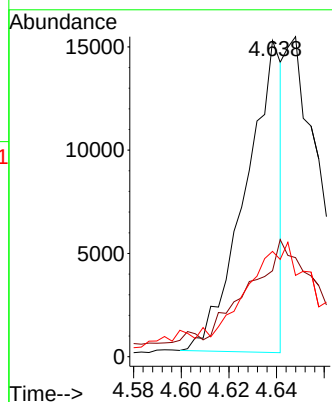
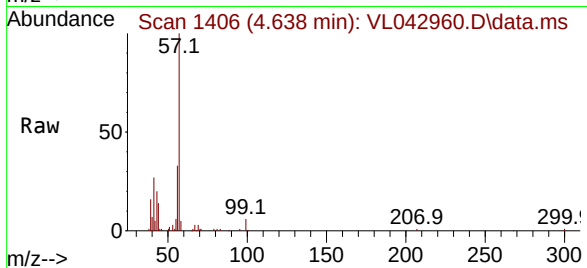
Tgt Ion: 57 Resp: 16035

Ion Ratio Lower Upper

57 100

41 79.3 25.5 38.3#

56 85.9 25.8 38.8#



#51

2-Hexanone

Concen: 0.062 ppbv

RT: 7.454 min Scan# 2276

Delta R.T. 0.026 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

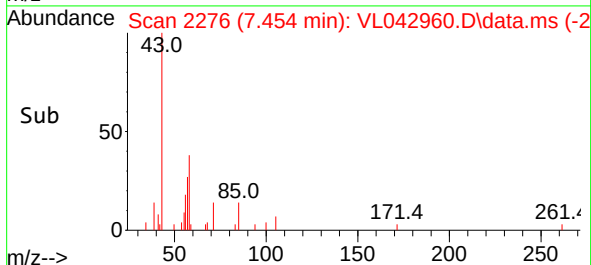
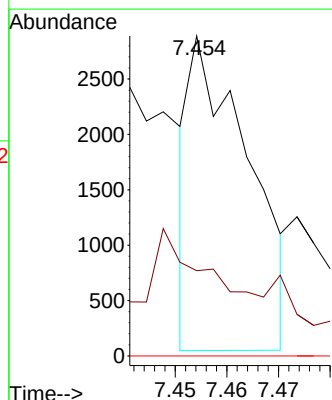
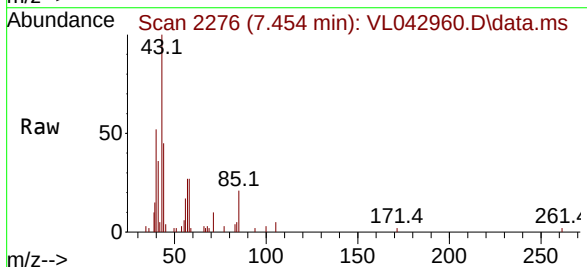
Tgt Ion: 43 Resp: 2243

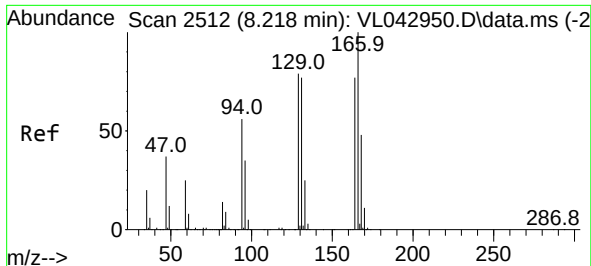
Ion Ratio Lower Upper

43 100

58 80.6 39.7 59.5#

98 0.0 0.1 0.1#

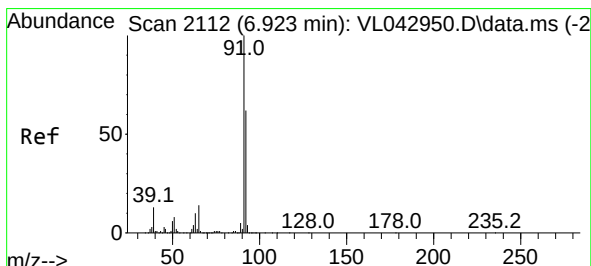
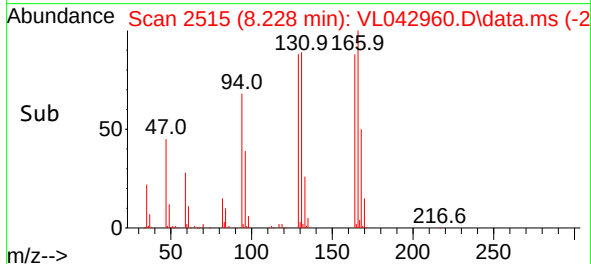
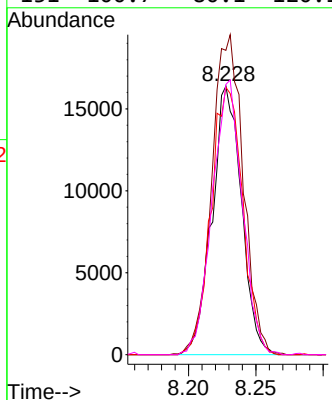
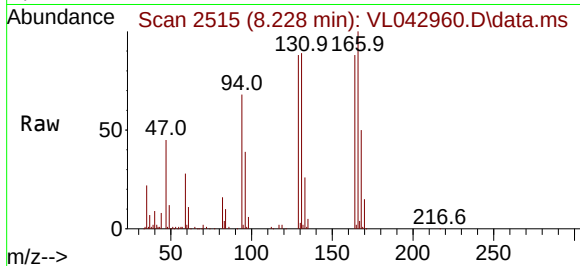




#52
Tetrachloroethene
Concen: 1.422 ppbv
RT: 8.228 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

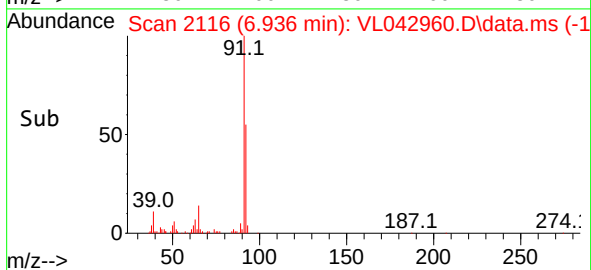
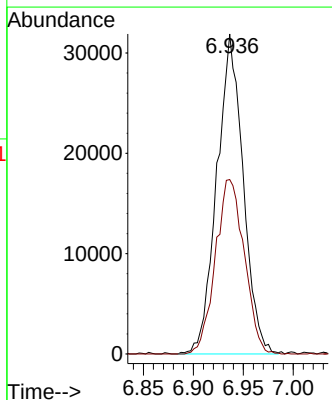
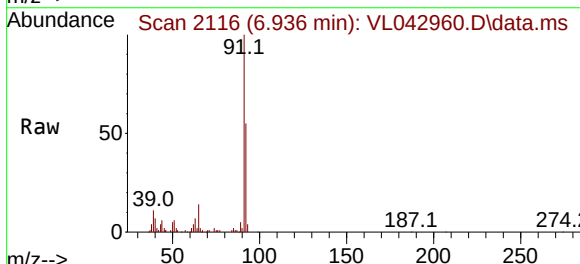
Instrument :
MSVOA_L
ClientSampleId :
SV1

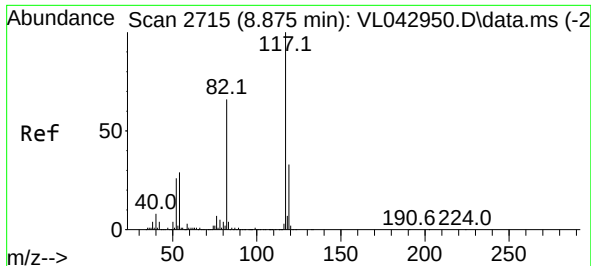
Tgt Ion:164 Resp: 24925
Ion Ratio Lower Upper
164 100
166 113.0 103.5 155.3
129 99.6 82.2 123.4
131 100.7 80.1 120.1



#53
Toluene
Concen: 1.090 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.013 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion: 91 Resp: 58424
Ion Ratio Lower Upper
91 100
92 59.8 48.2 72.2

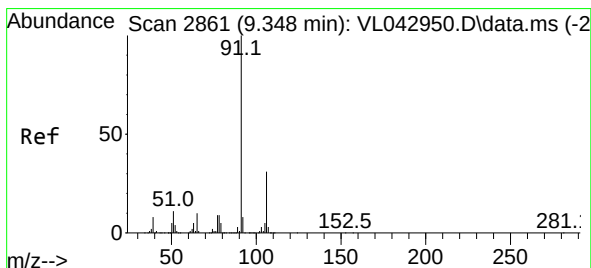
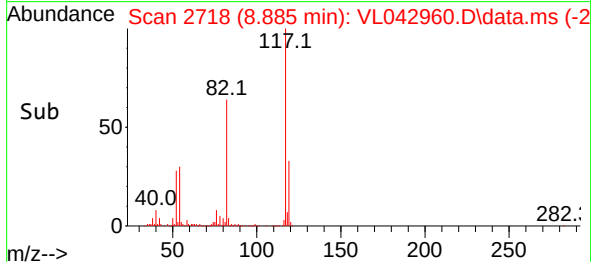
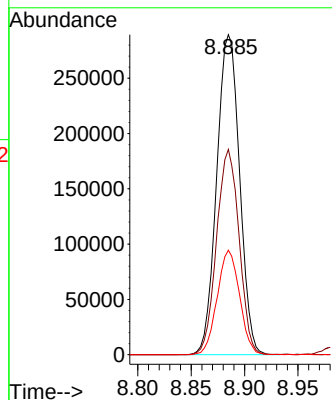
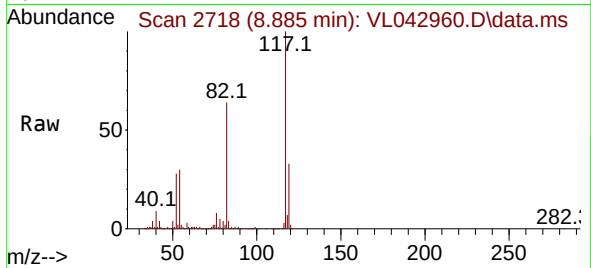




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

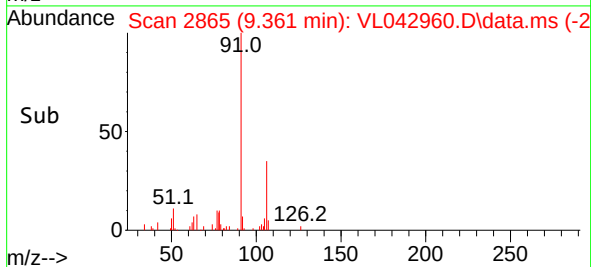
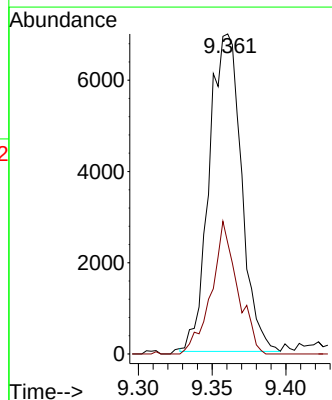
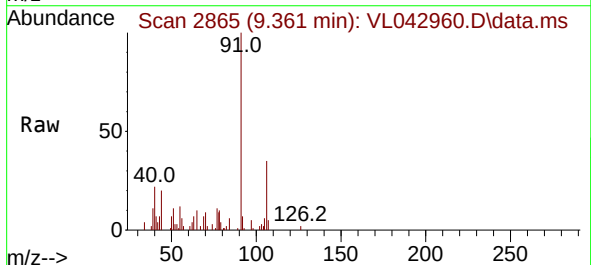
Instrument :
MSVOA_L
ClientSampleId :
SV1

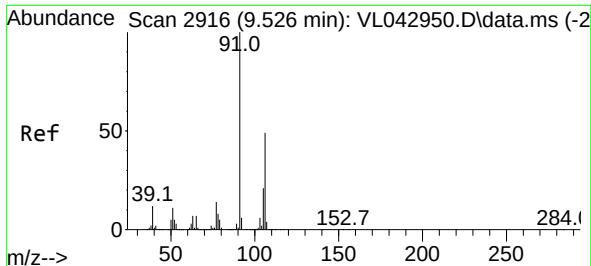
Tgt Ion: 117 Resp: 431460
Ion Ratio Lower Upper
117 100
82 63.1 52.8 79.2
119 32.1 26.5 39.7



#58
Ethyl Benzene
Concen: 0.149 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.013 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion: 91 Resp: 10574
Ion Ratio Lower Upper
91 100
106 35.0 24.6 37.0





#59

m/p-Xylene

Concen: 0.435 ppbv

RT: 9.535 min Scan# 2916

Delta R.T. 0.010 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

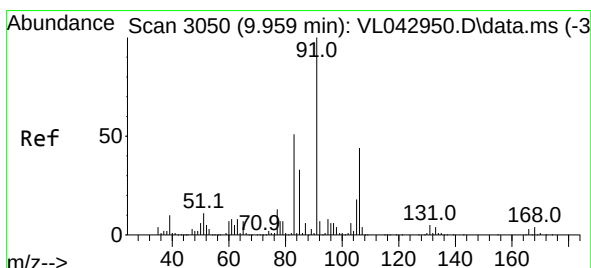
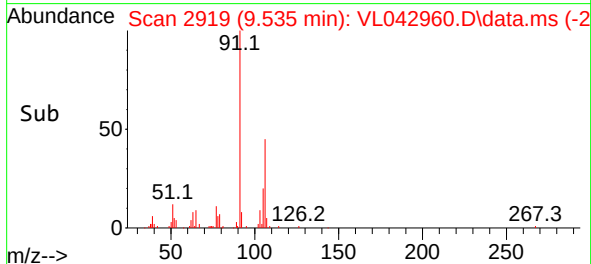
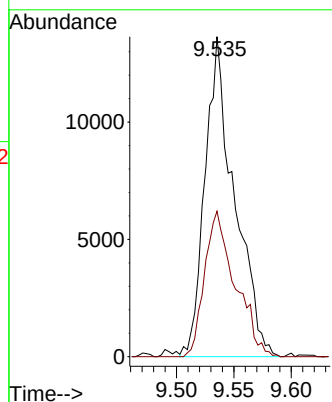
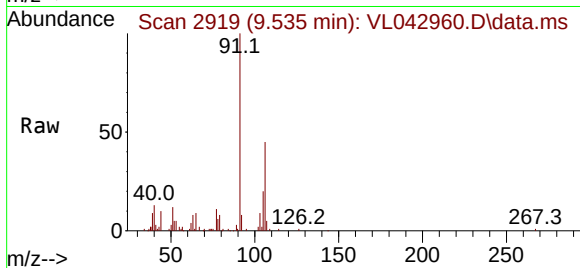
SV1

Tgt Ion: 91 Resp: 24283

Ion Ratio Lower Upper

91 100

106 47.5 0.0 0.0#



#60

o-Xylene

Concen: 0.185 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VL042960.D

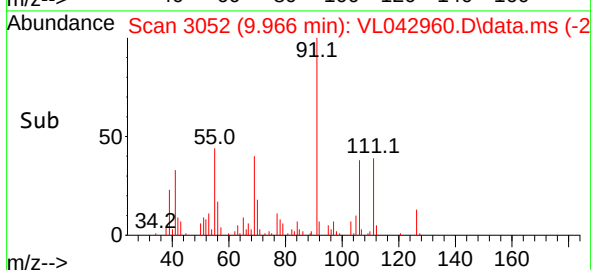
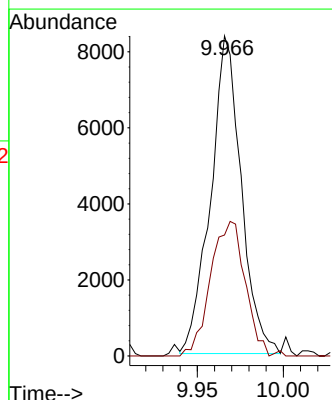
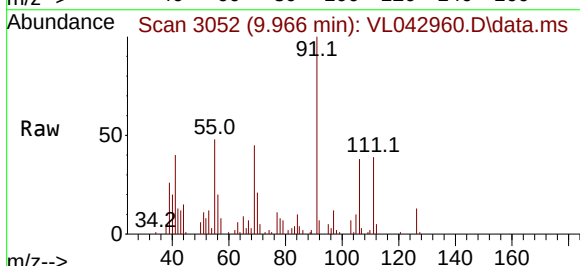
Acq: 22 Sep 2025 16:53

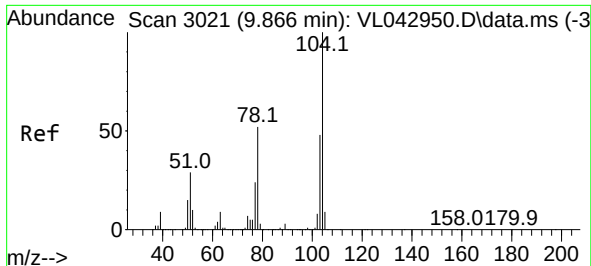
Tgt Ion: 91 Resp: 10347

Ion Ratio Lower Upper

91 100

106 48.0 22.4 67.0

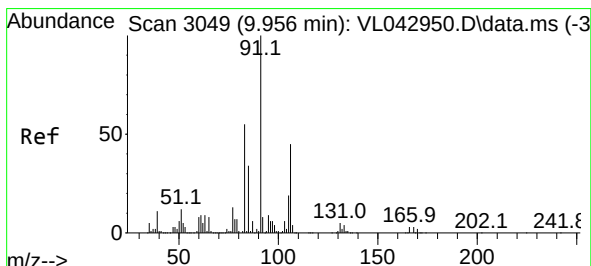
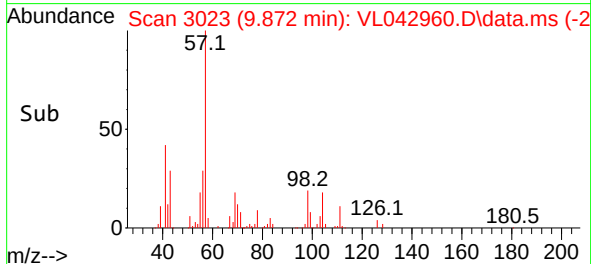
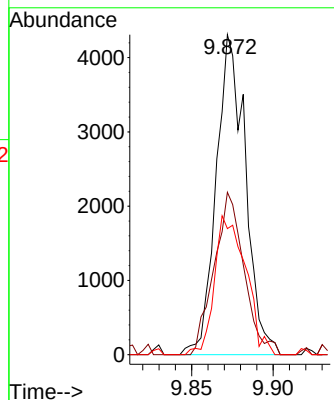
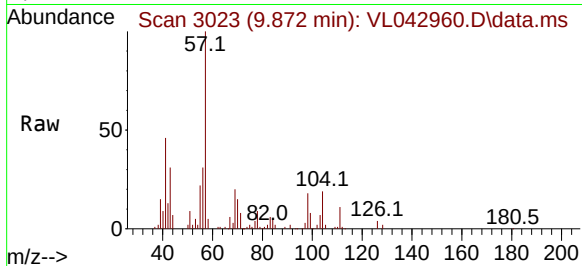




#61
Styrene
Concen: 0.203 ppbv
RT: 9.872 min Scan# 3021
Delta R.T. 0.006 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

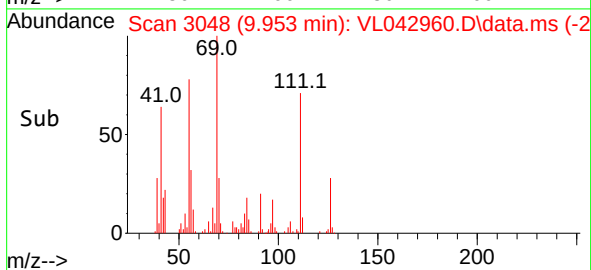
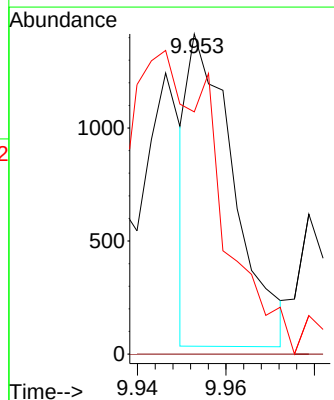
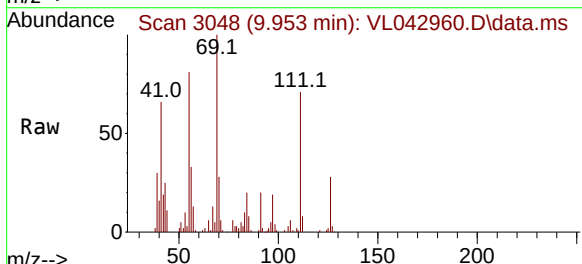
Instrument :
MSVOA_1
ClientSampleId :
SV1

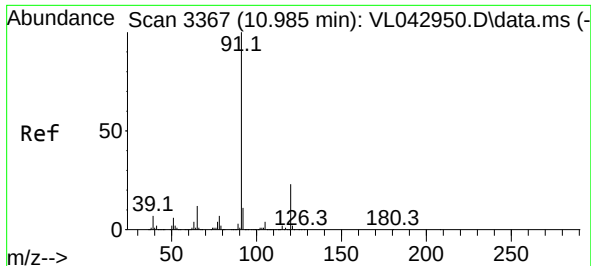
Tgt Ion:104 Resp: 5354
Ion Ratio Lower Upper
104 100
78 52.2 39.9 59.9
103 46.5 36.9 55.3



#63
1,1,2,2-Tetrachloroethane
Concen: 0.034 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. -0.003 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion: 83 Resp: 988
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 0.0 32.2 96.6#

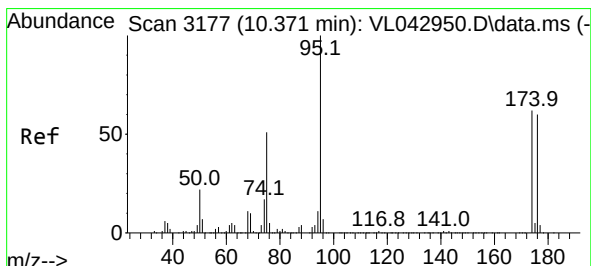
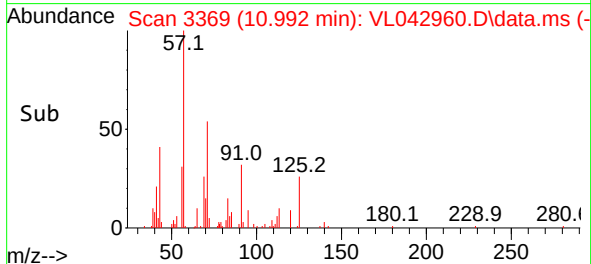
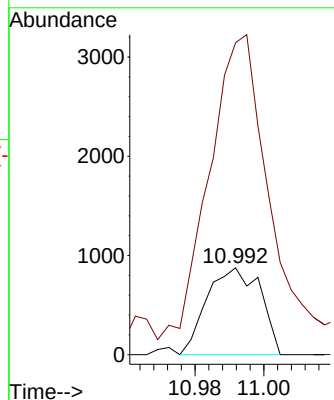
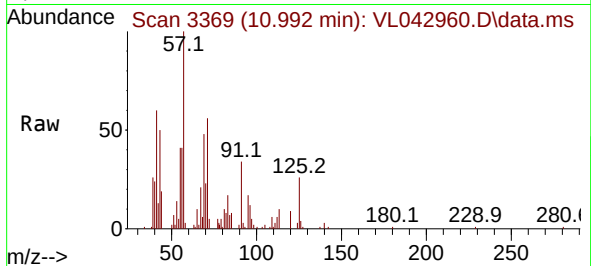




#64
n-propylbenzene
Concen: 0.043 ppbv
RT: 10.992 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

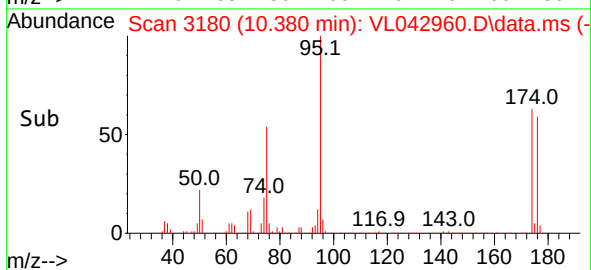
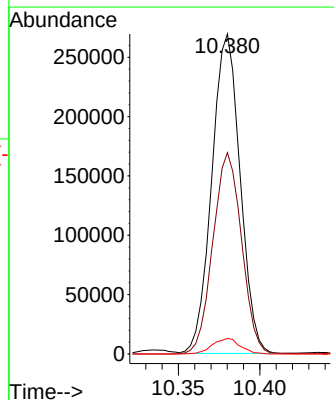
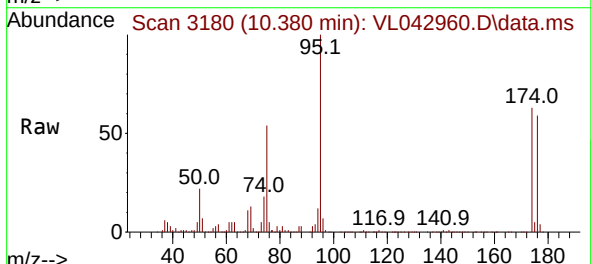
Instrument :
MSVOA_1
ClientSampleId :
SV1

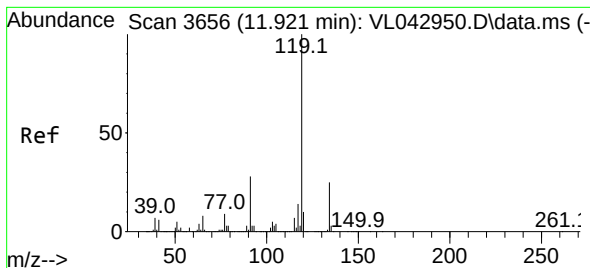
Tgt Ion:120 Resp: 942
Ion Ratio Lower Upper
120 100
91 410.5 364.9 547.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.092 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.010 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion: 95 Resp: 325029
Ion Ratio Lower Upper
95 100
174 63.7 51.4 77.2
175 4.8 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.035 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. 0.010 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

Instrument :

MSVOA_1

ClientSampleId :

SV1

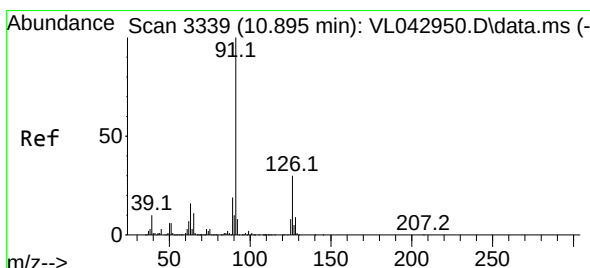
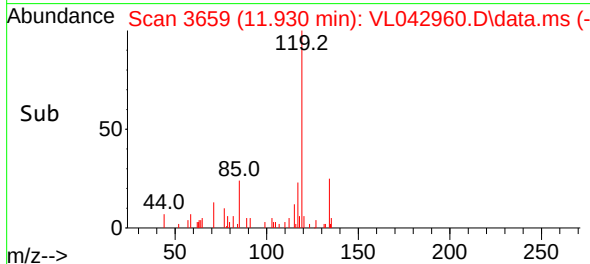
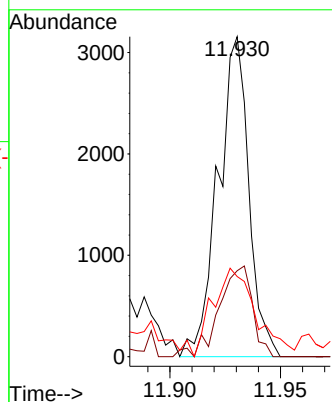
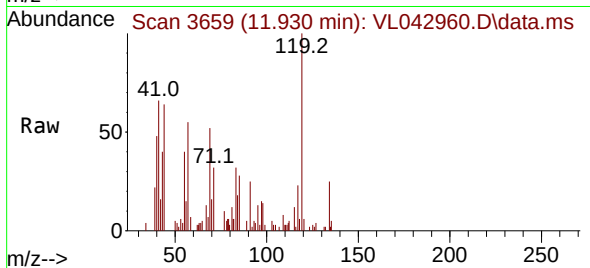
Tgt Ion:119 Resp: 3049

Ion Ratio Lower Upper

119 100

134 30.7 21.0 31.4

91 33.8 22.3 33.5#



#71

2-Chlorotoluene

Concen: 0.063 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.100 min

Lab File: VL042960.D

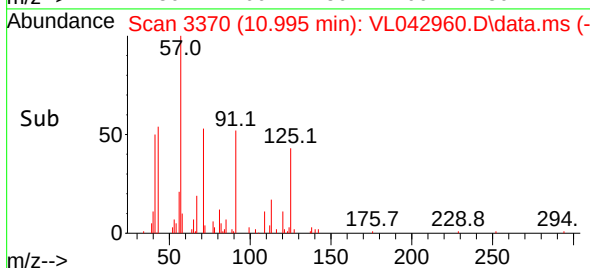
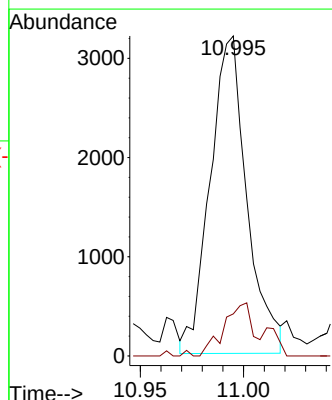
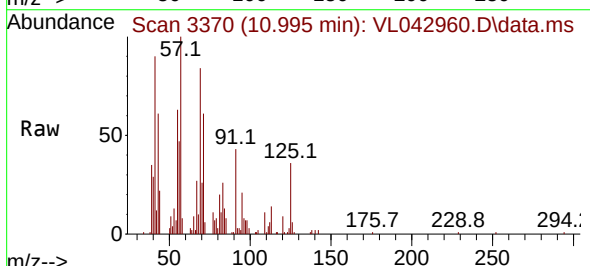
Acq: 22 Sep 2025 16:53

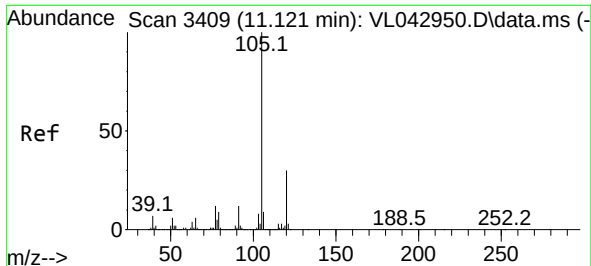
Tgt Ion: 91 Resp: 3963

Ion Ratio Lower Upper

91 100

126 16.7 12.3 49.3

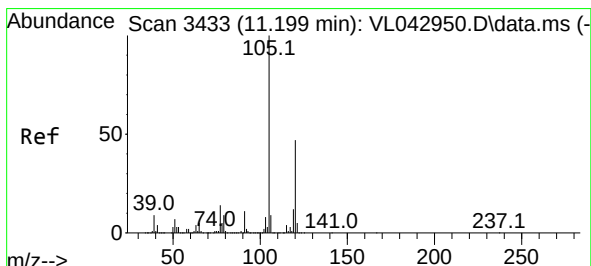
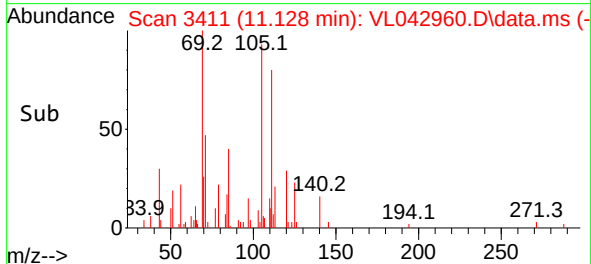
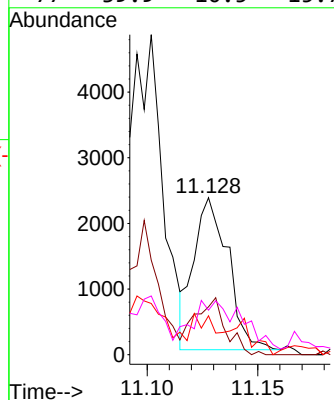
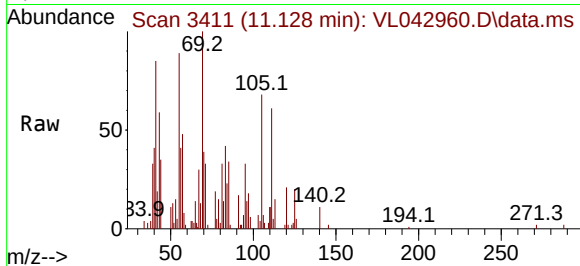




#72
4-Ethyltoluene
Concen: 0.036 ppbv
RT: 11.128 min Scan# 3409
Delta R.T. 0.006 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

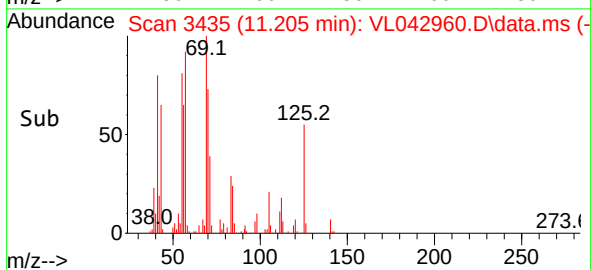
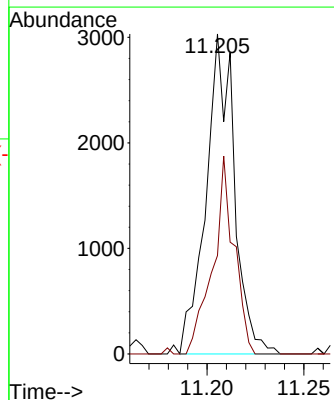
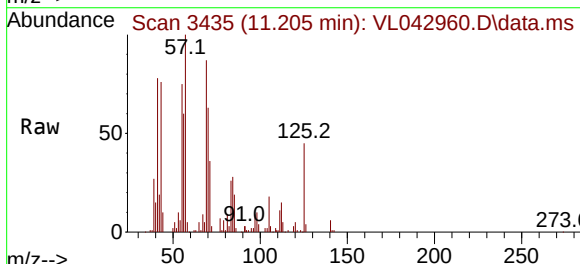
Instrument :
MSVOA_L
ClientSampleId :
SV1

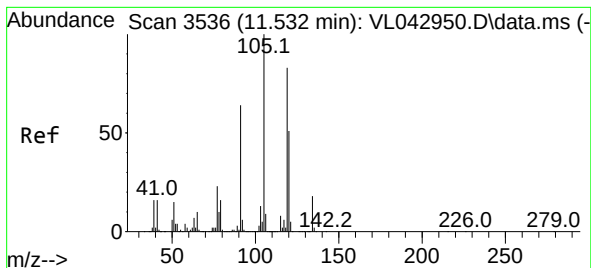
Tgt Ion:	105	Resp:	2509
Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.2	36.2#
91	32.1	10.0	15.0#
77	39.9	10.5	15.7#



#73
1,3,5-Trimethylbenzene
Concen: 0.054 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. 0.006 min
Lab File: VL042960.D
Acq: 22 Sep 2025 16:53

Tgt Ion:	105	Resp:	3082
Ion	Ratio	Lower	Upper
105	100		
120	30.7	38.0	57.0#





#74

1,2,4-Trimethylbenzene

Concen: 0.131 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.006 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:105 Resp: 8215

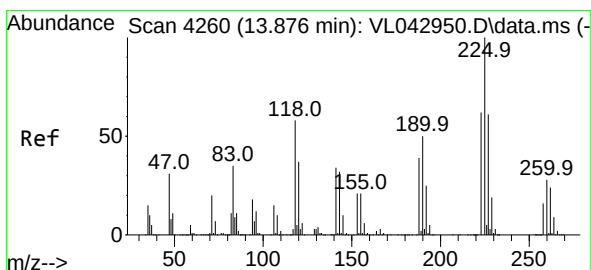
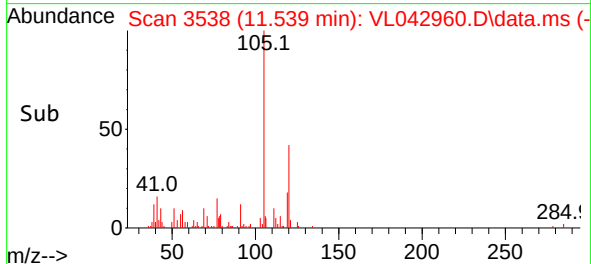
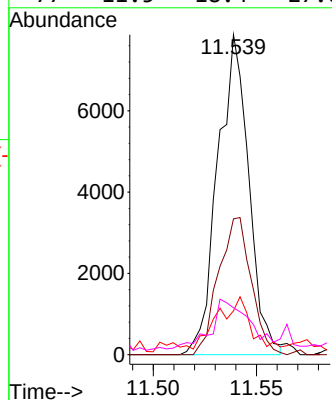
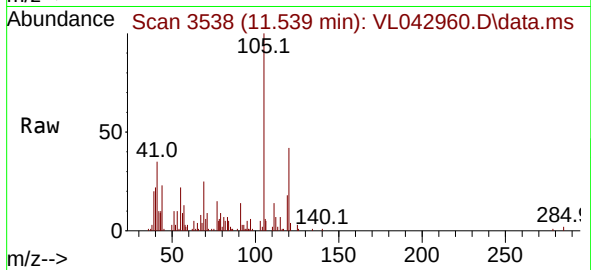
Ion Ratio Lower Upper

105 100

120 42.4 40.9 61.3

91 11.3 51.2 76.8#

77 11.5 18.4 27.6#



#78

Hexachloro-1,3-Butadiene

Concen: 0.039 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.010 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

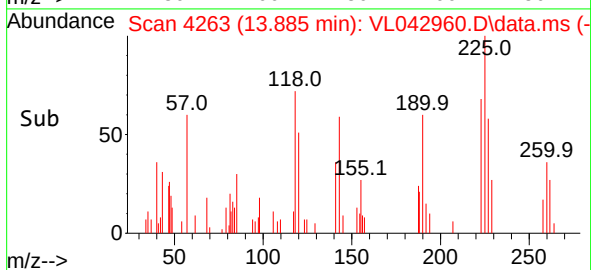
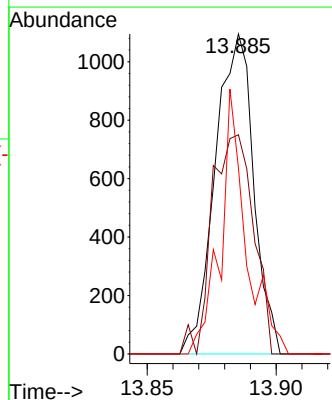
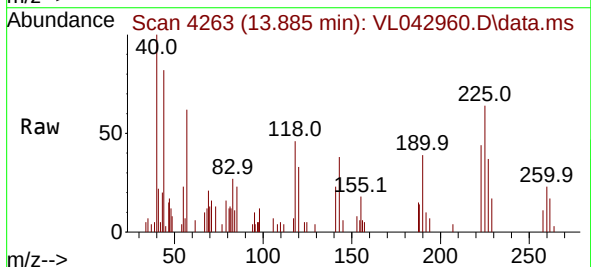
Tgt Ion:225 Resp: 1134

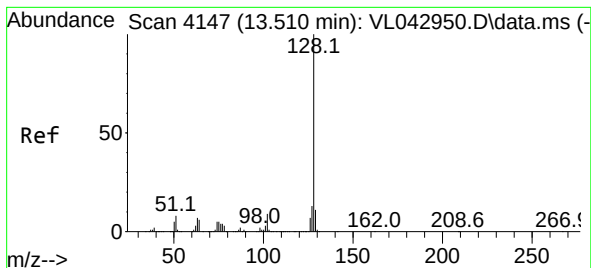
Ion Ratio Lower Upper

225 100

223 74.3 50.1 75.1

227 55.2 50.4 75.6





#79

Naphthalene

Concen: 0.101 ppbv

RT: 13.516 min Scan# 4147

Delta R.T. 0.006 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

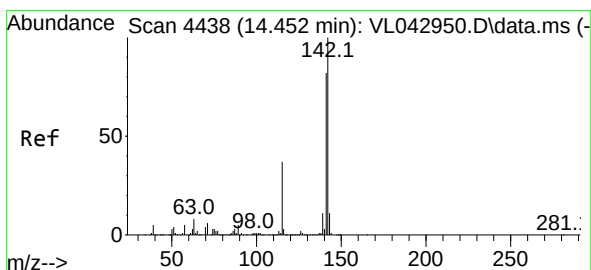
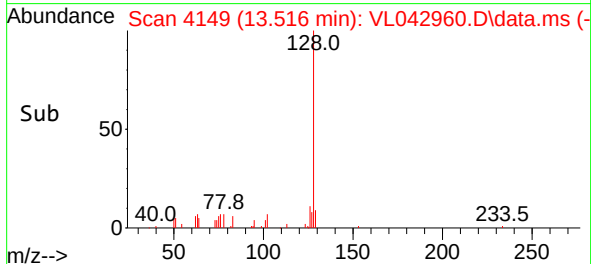
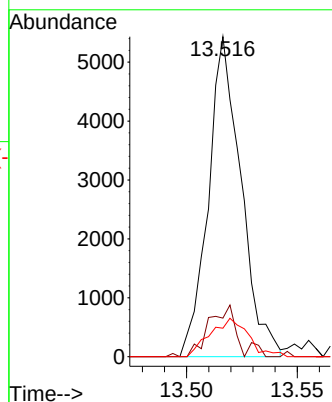
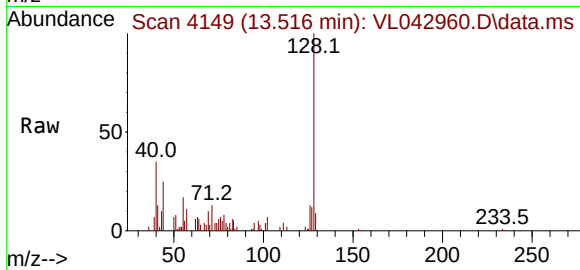
Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:	128	Resp:	5583
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.6	15.8
129	8.9	9.0	13.6#



#80

Naphthalene,2-methyl-

Concen: 0.305 ppbv

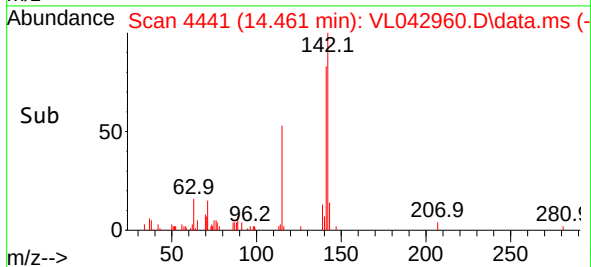
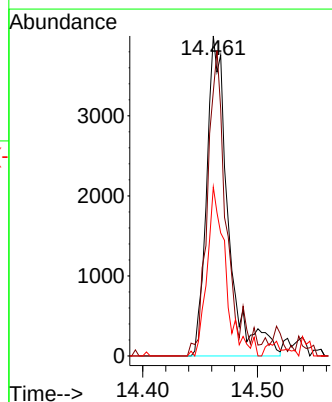
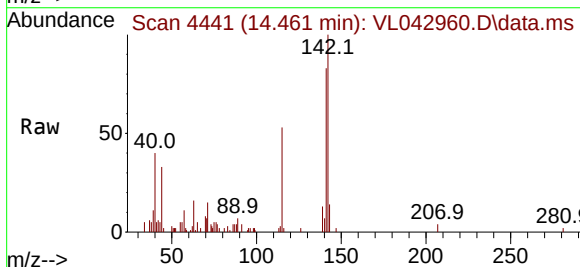
RT: 14.461 min Scan# 4441

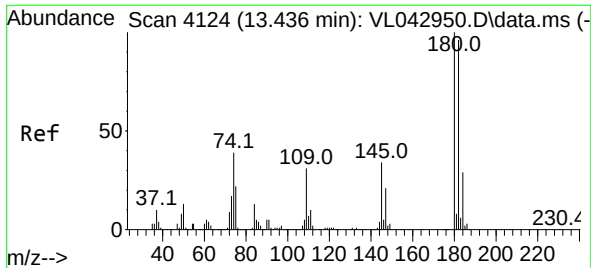
Delta R.T. 0.010 min

Lab File: VL042960.D

Acq: 22 Sep 2025 16:53

Tgt Ion:	142	Resp:	5218
Ion Ratio	Lower	Upper	
142	100		
141	85.4	65.1	97.7
115	45.5	28.9	43.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.075 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL042960.D
 Acq: 22 Sep 2025 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tgt Ion:180 Resp: 2210
 Ion Ratio Lower Upper
 180 100
 182 100.2 75.7 113.5
 184 29.0 23.9 35.9

