

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042776.D
 Acq On : 29 Jul 2025 10:50
 Operator : SY/MD
 Sample : Q2712-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Jul 30 01:08:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	151661	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	409840	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	382977	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	309355	10.200	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	179518	8.953	ppbv	96
3) Chlorodifluoromethane	1.476	51	240720	9.216	ppbv #	89
4) Chloromethane	1.499	50	29971	3.695	ppbv #	41
6) Bromomethane	1.670	94	81	0.026	ppbv #	36
7) Chloroethane	1.492	64	28857	9.318	ppbv #	49
8) Dichlorotetrafluoroethane	1.499	85	179518	10.886	ppbv #	19
9) Propene	1.560	41	19497	2.054	ppbv	96
10) Heptane	4.985	43	1409	0.055	ppbv #	1
11) Trichlorofluoromethane	1.881	101	338950	16.398	ppbv	99
12) 1,1,2-Trichlorotrifluo...	1.881	101	338950	21.579	ppbv #	12
13) Ethanol	1.907	45	6315	7.984	ppbv #	31
15) Acetone	1.839	43	73359	3.503	ppbv	98
16) 1,3-Butadiene	1.622	39	982	0.110	ppbv #	16
17) tert-Butyl alcohol	2.046	59	999	0.053	ppbv #	74
19) Isopropyl Alcohol	1.907	45	6315	0.567	ppbv #	1
20) Methylene Chloride	2.065	84	1455	0.220	ppbv #	85
23) Vinyl Acetate	2.476	43	1181	0.047	ppbv #	47
25) Ethyl Acetate	2.832	43	15849	0.342	ppbv #	83
26) Hexane	2.829	57	18933	0.931	ppbv #	43
27) Carbon Disulfide	2.156	76	888	0.051	ppbv #	1
29) Chloroform	2.855	83	16839	0.536	ppbv	94
31) cis-1,2-Dichloroethene	2.725	61	2211	0.106	ppbv #	81
34) 2-Butanone	2.567	43	17553	0.605	ppbv	100
36) Benzene	3.661	78	1455	0.037	ppbv #	65
38) Trichloroethene	4.554	130	9022	0.483	ppbv	94
39) 1,2-Dichloropropane	3.962	63	106987	7.462	ppbv #	21
51) 2-Hexanone	7.448	43	1783	0.063	ppbv #	30
52) Tetrachloroethene	8.234	164	331325	20.579	ppbv	97
53) Toluene	6.946	91	5549	0.133	ppbv #	1
59) m/p-Xylene	9.542	91	20861	0.432	ppbv	100
60) o-Xylene	9.969	91	11841	0.245	ppbv	93
61) Styrene	9.878	104	748	0.037	ppbv #	21
62) Isopropylbenzene	10.545	105	3152	0.044	ppbv	94
67) sec-Butylbenzene	11.772	105	2739	0.030	ppbv #	35
71) 2-Chlorotoluene	11.099	91	2291	0.042	ppbv	84
72) 4-Ethyltoluene	11.131	105	3079	0.053	ppbv #	17
73) 1,3,5-Trimethylbenzene	11.209	105	8481	0.179	ppbv	88
74) 1,2,4-Trimethylbenzene	11.542	105	7384	0.143	ppbv #	65
79) Naphthalene	13.516	128	2825	0.483	ppbv #	11
80) Naphthalene,2-methyl-	14.471	142	1054	1.162	ppbv #	83
81) 1,2,4-Trichlorobenzene	13.458	180	258	0.443	ppbv #	12

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
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Acq On : 29 Jul 2025 10:50
Operator : SY/MD
Sample : Q2712-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

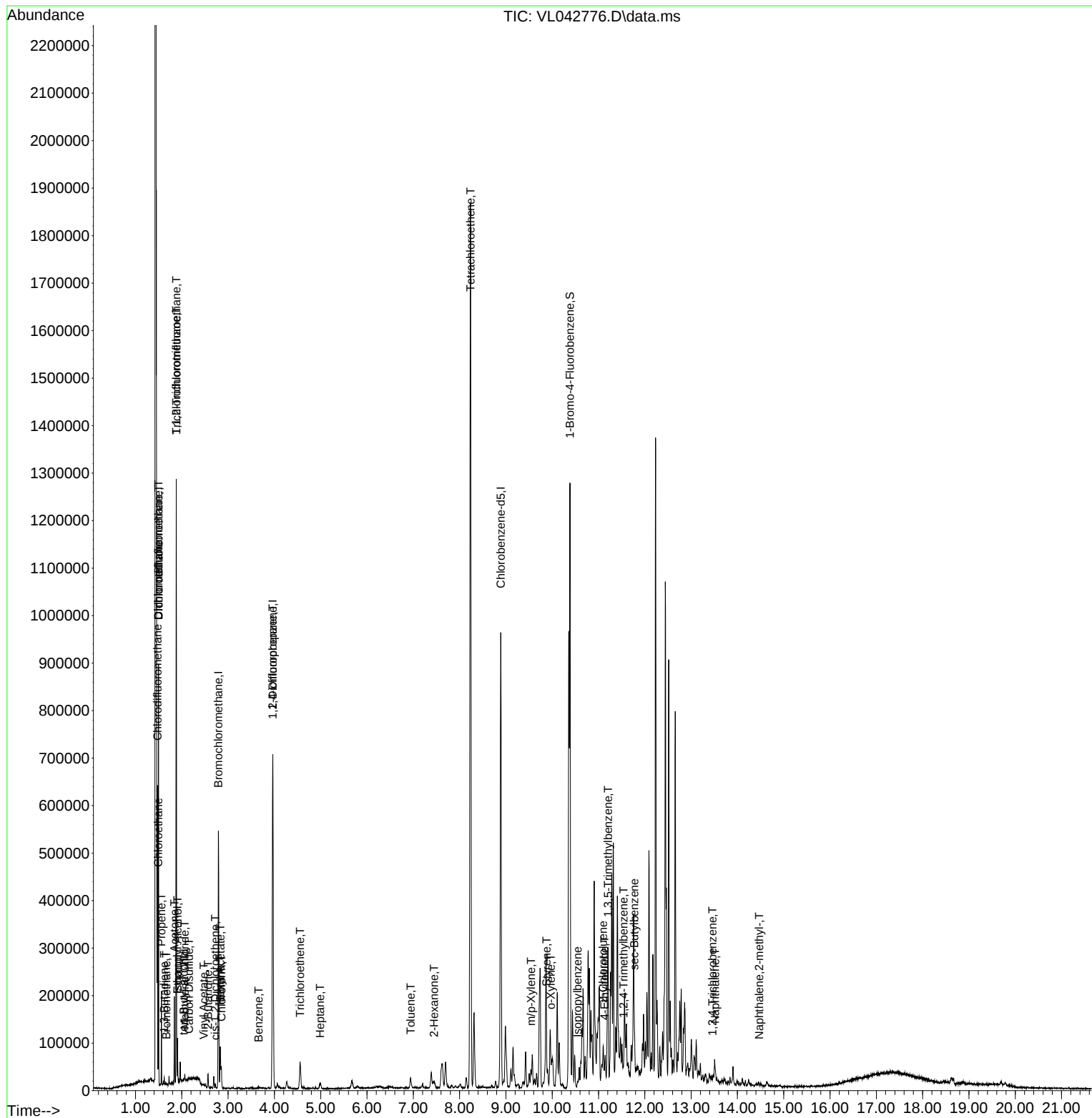
Instrument :
MSVOA_L
ClientSampleId :
SV1

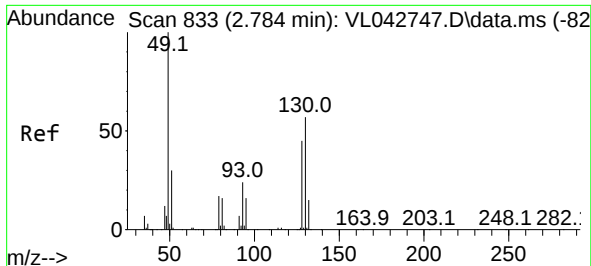
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

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

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

Quant Time: Jul 30 01:08:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

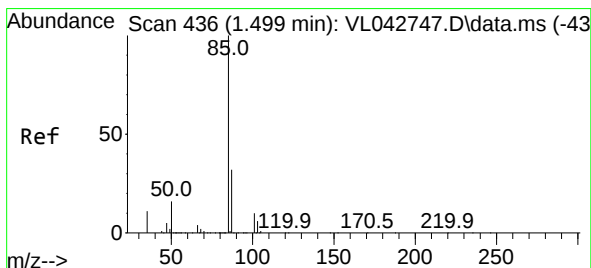
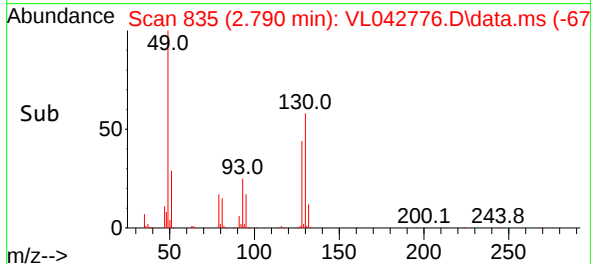
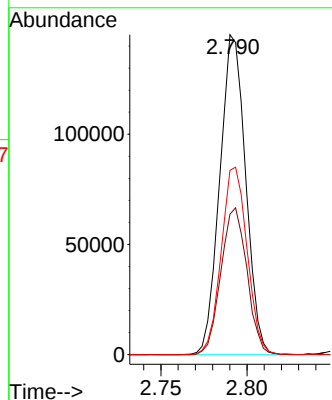
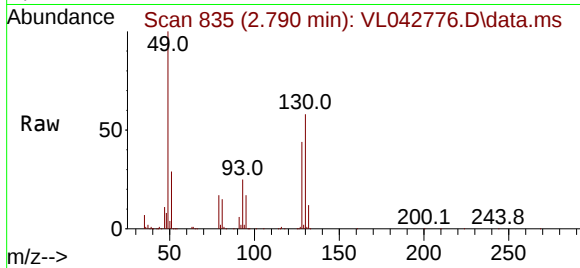




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

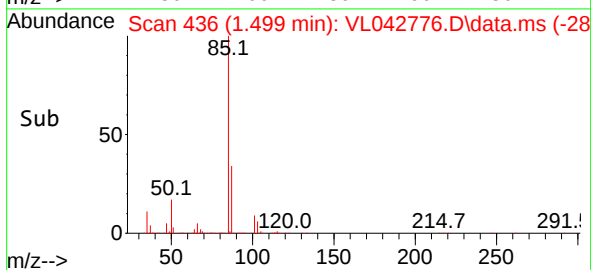
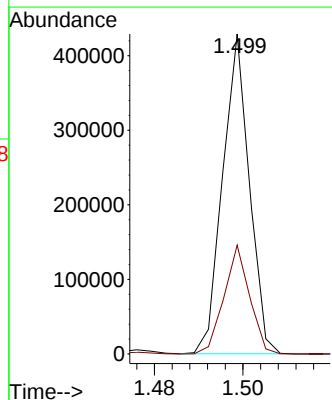
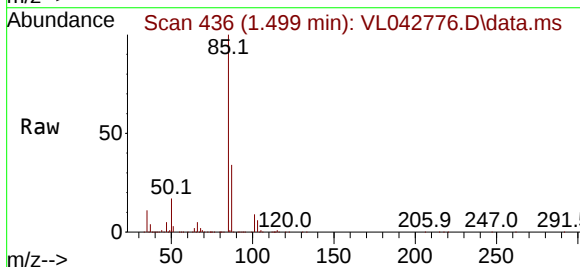
Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 151661
Ion Ratio Lower Upper
49 100
128 46.3 23.6 71.0
130 58.8 30.3 90.8



#2
Dichlorodifluoromethane
Concen: 8.953 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

Tgt Ion: 85 Resp: 179518
Ion Ratio Lower Upper
85 100
87 34.0 25.4 38.2

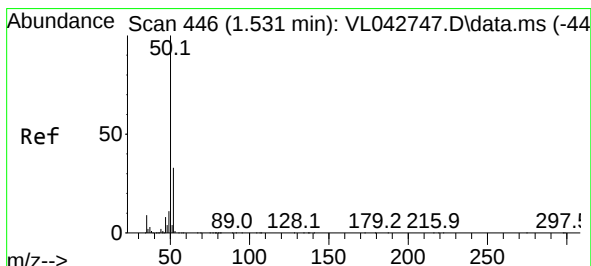
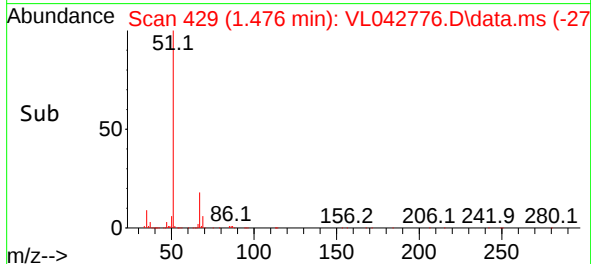
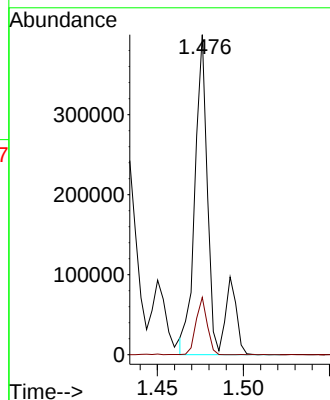
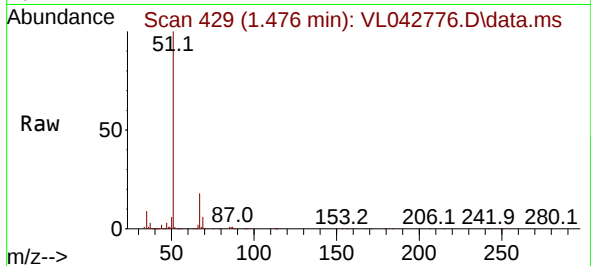




#3
Chlorodifluoromethane
Concen: 9.216 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

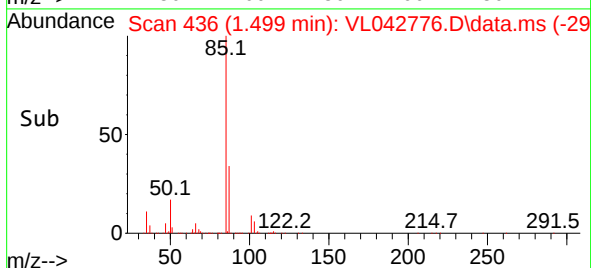
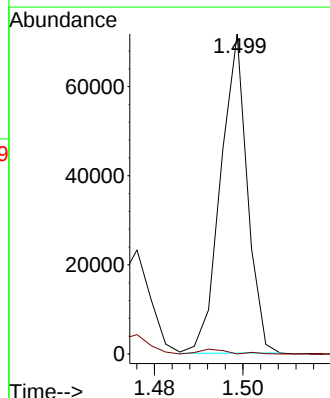
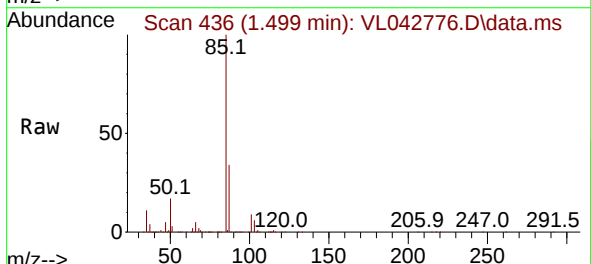
Instrument :
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ClientSampleId :
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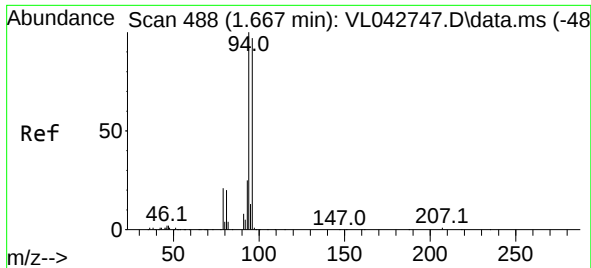
Tgt Ion: 51 Resp: 240720
Ion Ratio Lower Upper
51 100
67 13.9 15.0 22.6#



#4
Chloromethane
Concen: 3.695 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.033 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

Tgt Ion: 50 Resp: 29971
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#





#6

Bromomethane

Concen: 0.026 ppbv

RT: 1.670 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

Instrument :

MSVOA_1

ClientSampleId :

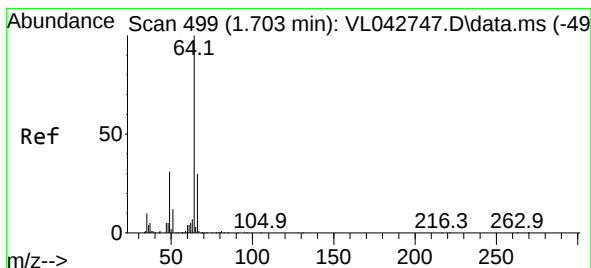
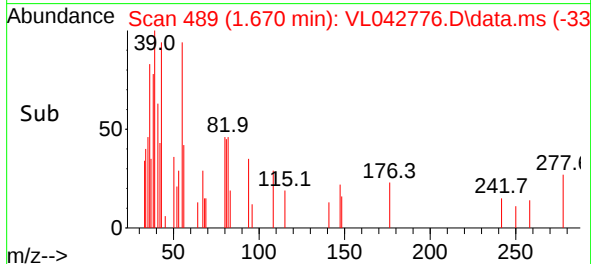
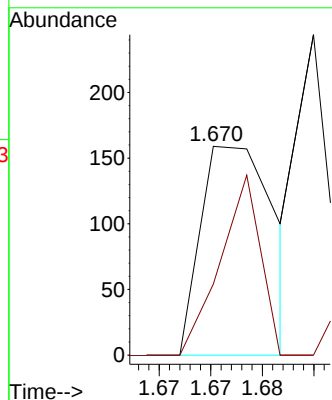
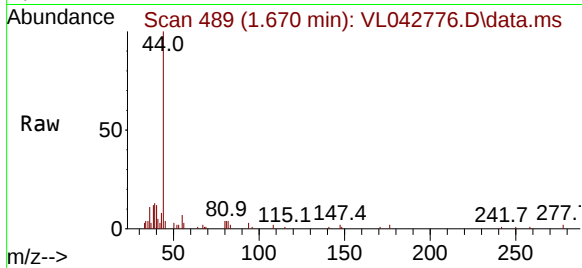
SV1

Tgt Ion: 94 Resp: 81

Ion Ratio Lower Upper

94 100

96 34.0 77.6 116.4#



#7

Chloroethane

Concen: 9.318 ppbv

RT: 1.492 min Scan# 434

Delta R.T. -0.211 min

Lab File: VL042776.D

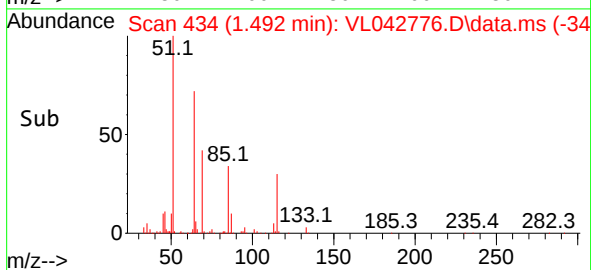
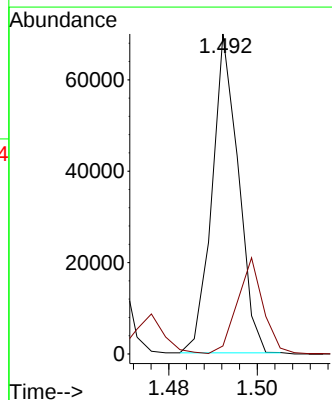
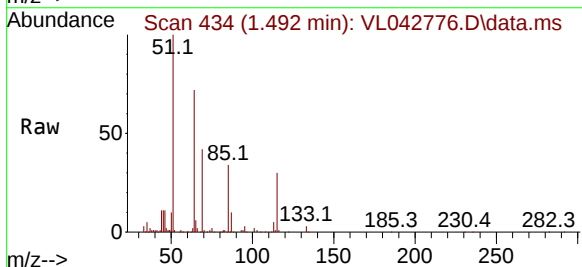
Acq: 29 Jul 2025 10:50

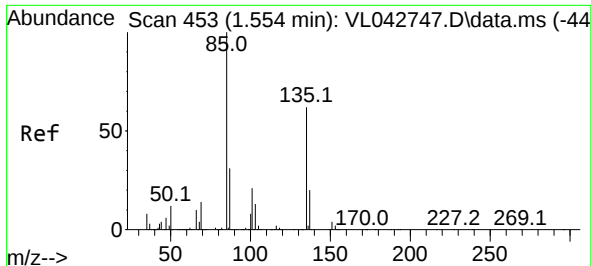
Tgt Ion: 64 Resp: 28857

Ion Ratio Lower Upper

64 100

66 2.5 24.1 36.1#

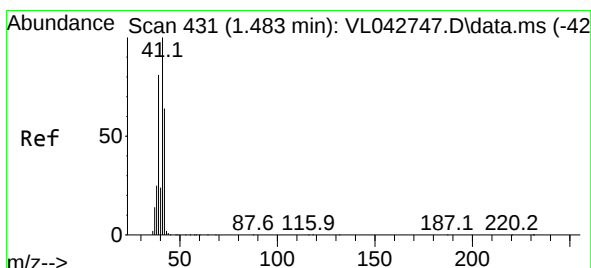
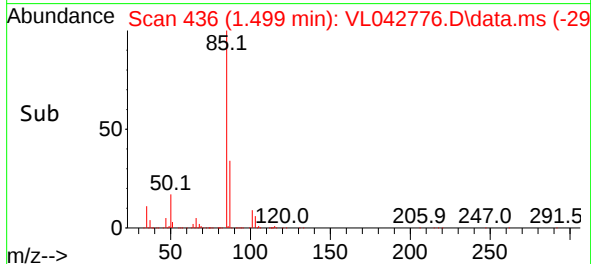
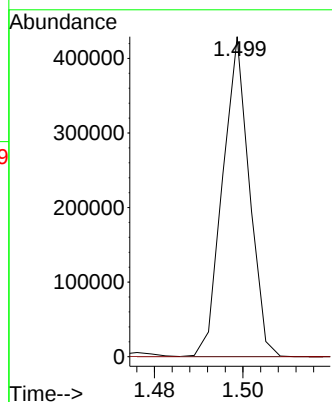
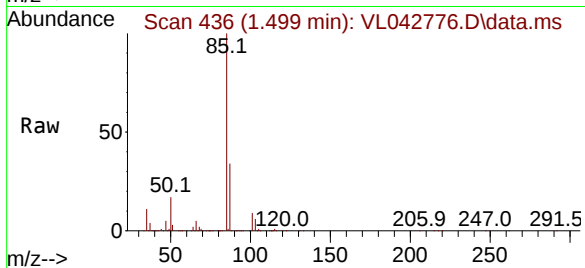




#8
 Dichlorotetrafluoroethane
 Concen: 10.886 ppbv
 RT: 1.499 min Scan# 41
 Delta R.T. -0.055 min
 Lab File: VL042776.D
 Acq: 29 Jul 2025 10:50

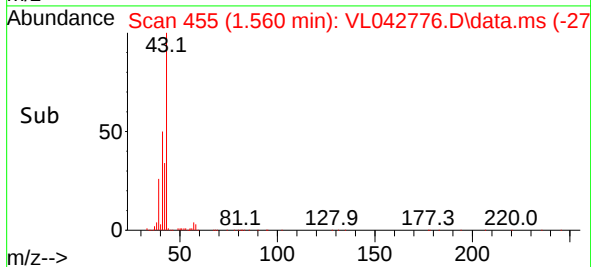
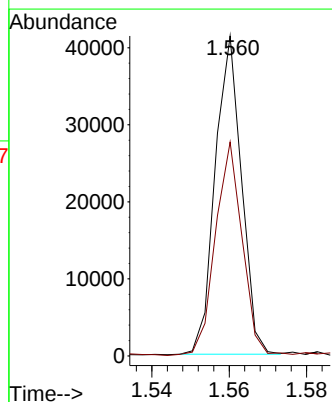
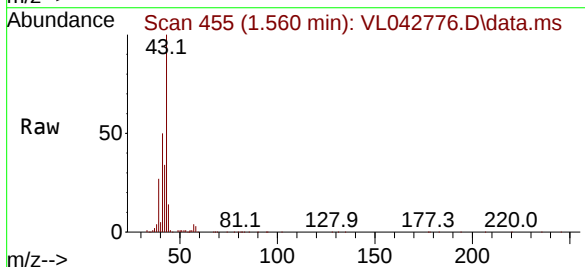
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

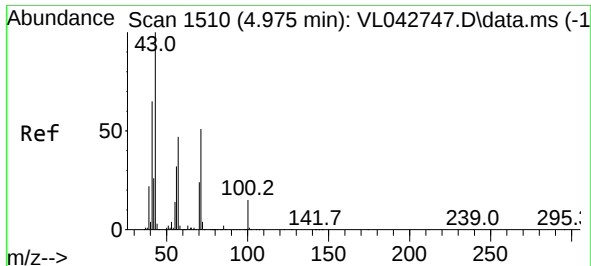
Tgt Ion: 85 Resp: 179518
 Ion Ratio Lower Upper
 85 100
 135 0.0 50.6 76.0#



#9
 Propene
 Concen: 2.054 ppbv
 RT: 1.560 min Scan# 455
 Delta R.T. 0.078 min
 Lab File: VL042776.D
 Acq: 29 Jul 2025 10:50

Tgt Ion: 41 Resp: 19497
 Ion Ratio Lower Upper
 41 100
 42 69.9 53.2 79.8

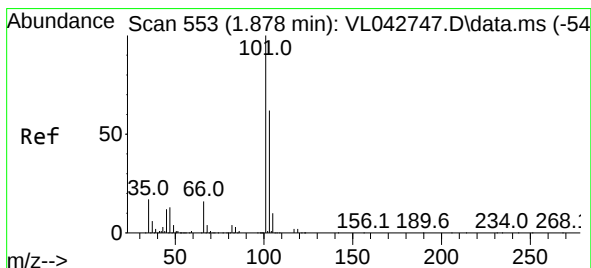
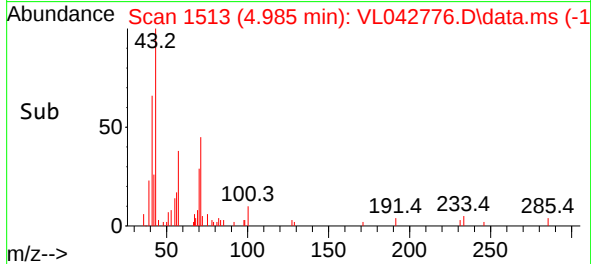
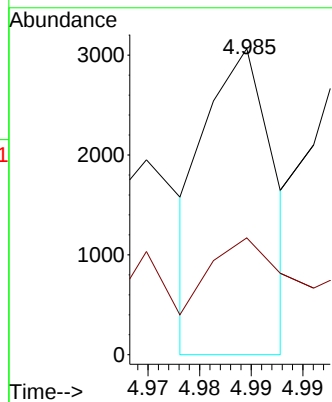
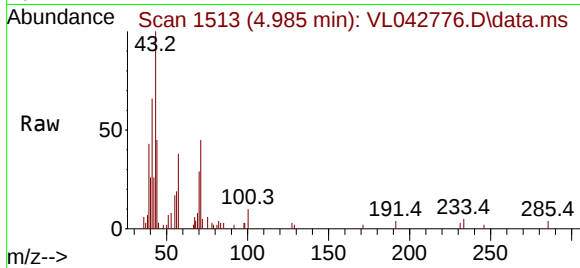




#10
Heptane
Concen: 0.055 ppbv
RT: 4.985 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

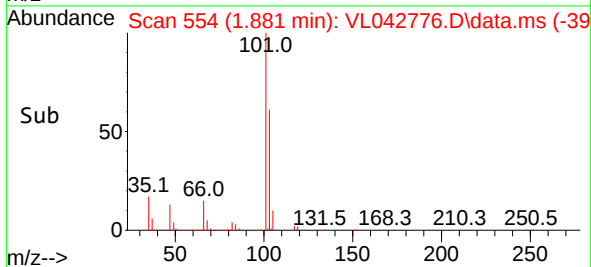
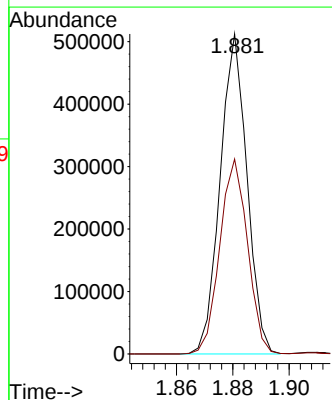
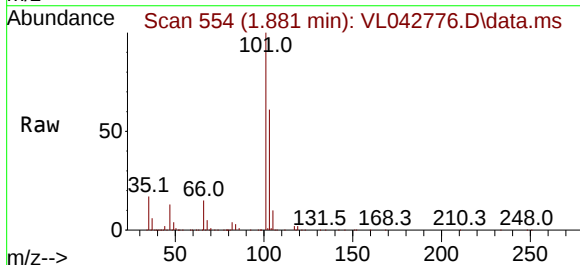
Instrument :
MSVOA_L
ClientSampleId :
SV1

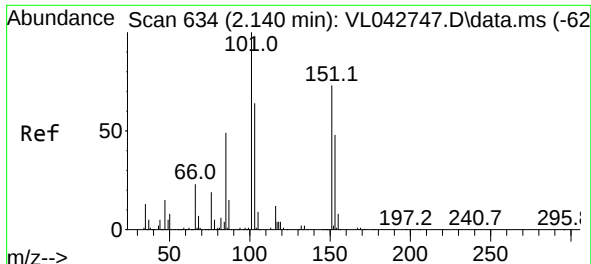
Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
57 171.0 39.9 59.9#



#11
Trichlorofluoromethane
Concen: 16.398 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

Tgt Ion:101 Resp: 338950
Ion Ratio Lower Upper
101 100
103 60.9 49.6 74.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 21.579 ppbv

RT: 1.881 min Scan# 51

Delta R.T. -0.259 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

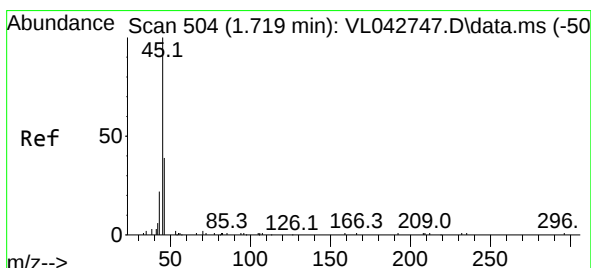
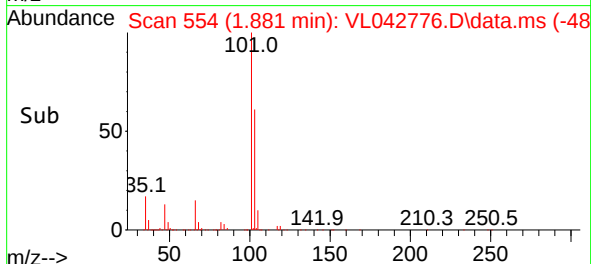
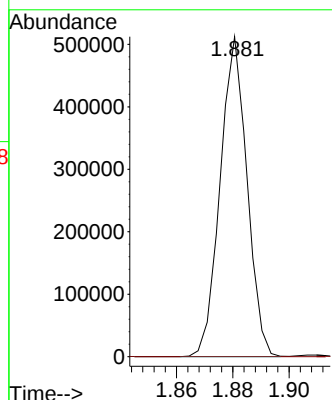
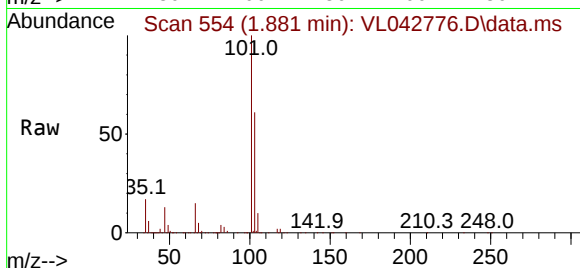
SV1

Tgt Ion:101 Resp: 338950

Ion Ratio Lower Upper

101 100

151 0.0 60.5 90.7#



#13

Ethanol

Concen: 7.984 ppbv

RT: 1.907 min Scan# 562

Delta R.T. 0.188 min

Lab File: VL042776.D

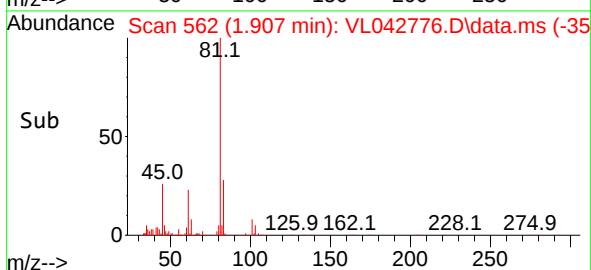
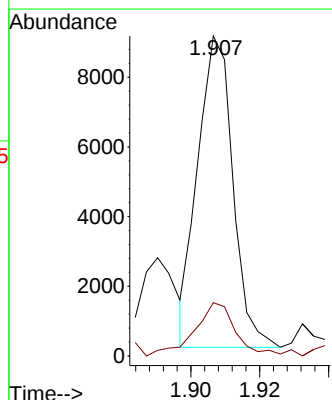
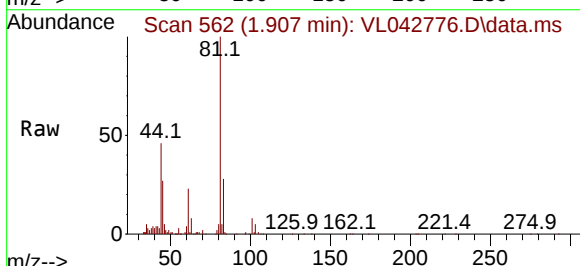
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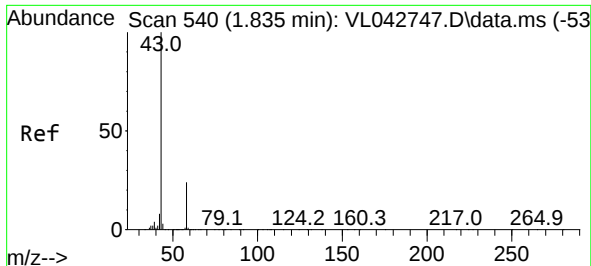
Tgt Ion: 45 Resp: 6315

Ion Ratio Lower Upper

45 100

46 0.0 17.8 71.4#





#15

Acetone

Concen: 3.503 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

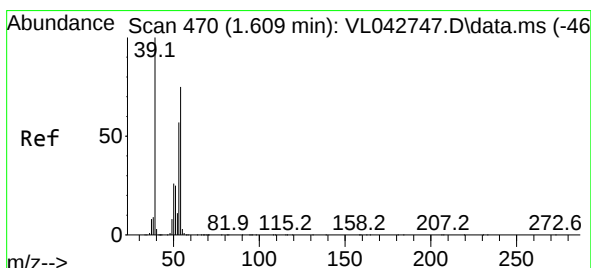
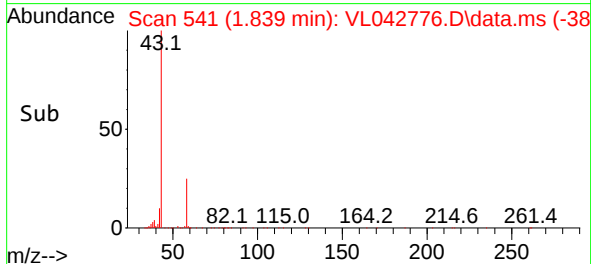
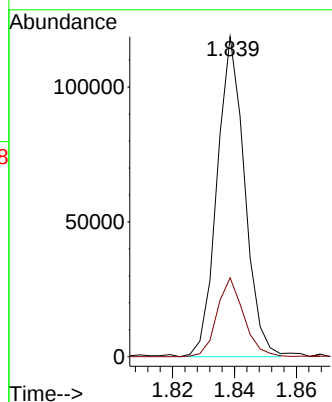
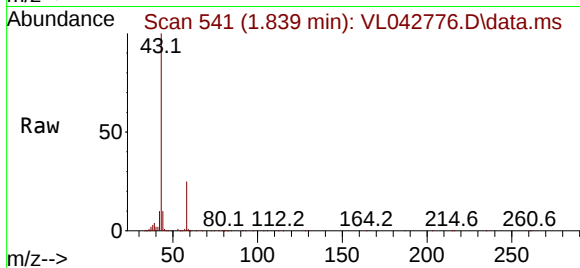
SV1

Tgt Ion: 43 Resp: 73359

Ion Ratio Lower Upper

43 100

58 24.0 19.8 29.8



#16

1,3-Butadiene

Concen: 0.110 ppbv

RT: 1.622 min Scan# 474

Delta R.T. 0.013 min

Lab File: VL042776.D

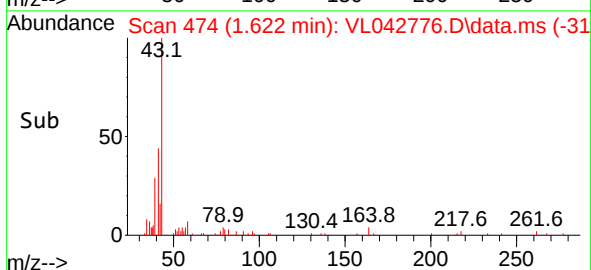
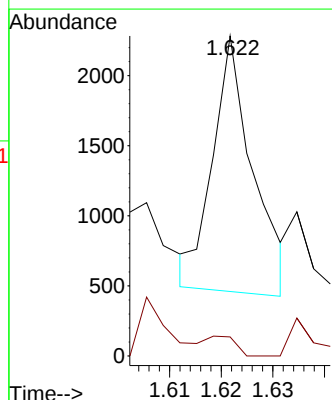
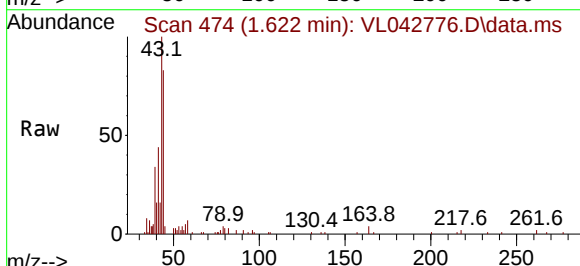
Acq: 29 Jul 2025 10:50

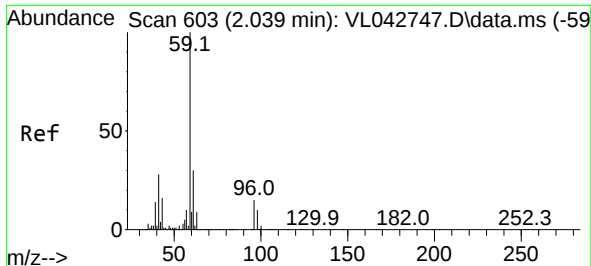
Tgt Ion: 39 Resp: 982

Ion Ratio Lower Upper

39 100

54 0.0 54.5 81.7#

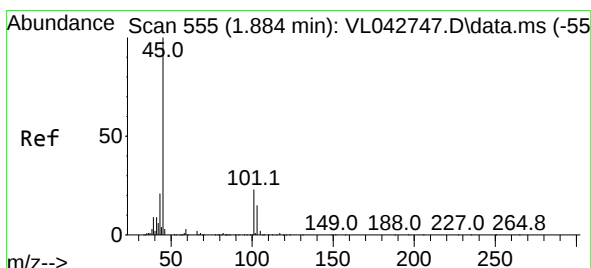
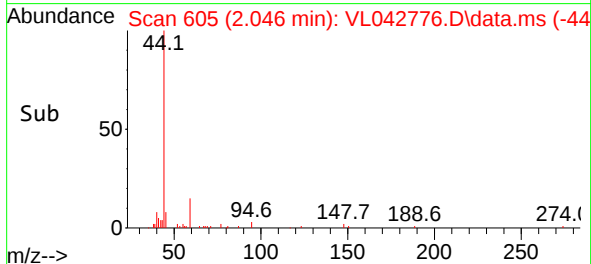
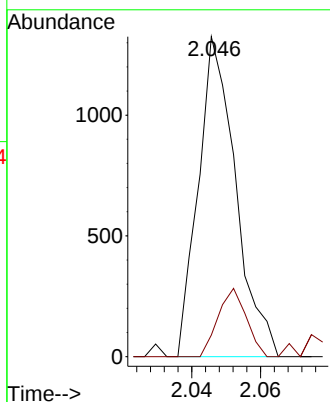
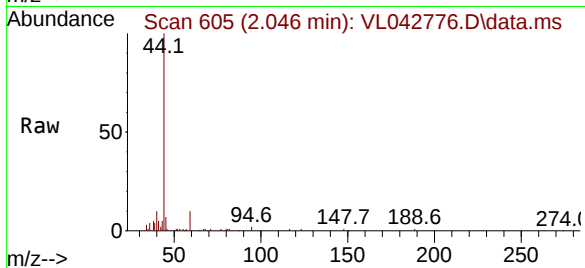




#17
tert-Butyl alcohol
Concen: 0.053 ppbv
RT: 2.046 min Scan# 603
Delta R.T. 0.006 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

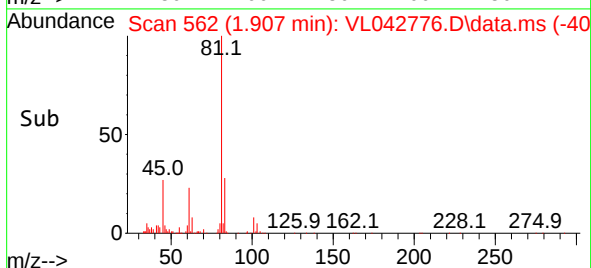
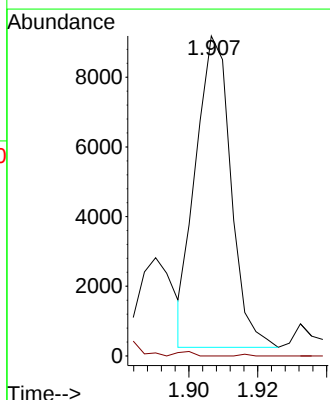
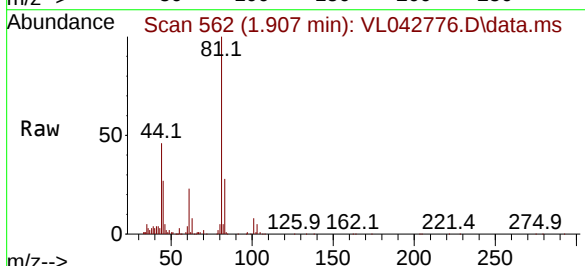
Instrument :
MSVOA_1
ClientSampleId :
SV1

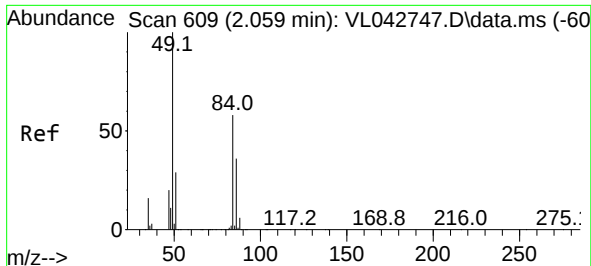
Tgt Ion: 59 Resp: 999
Ion Ratio Lower Upper
59 100
57 20.1 8.3 12.5#



#19
Isopropyl Alcohol
Concen: 0.567 ppbv
RT: 1.907 min Scan# 562
Delta R.T. 0.022 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

Tgt Ion: 45 Resp: 6315
Ion Ratio Lower Upper
45 100
58 277.9 30.0 45.0#

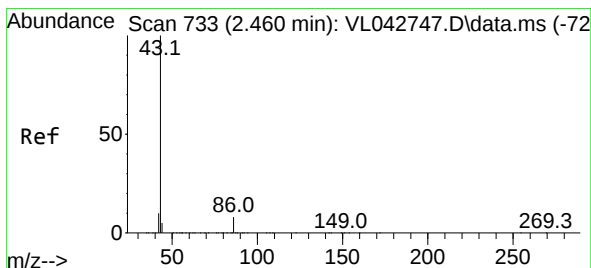
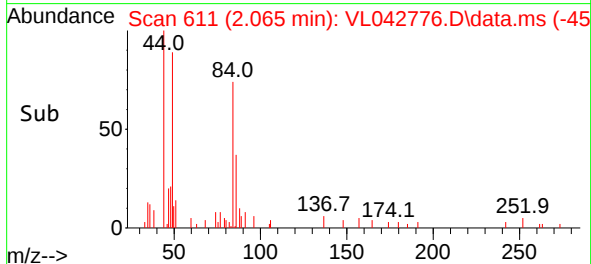
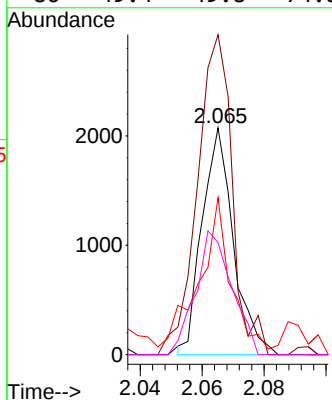
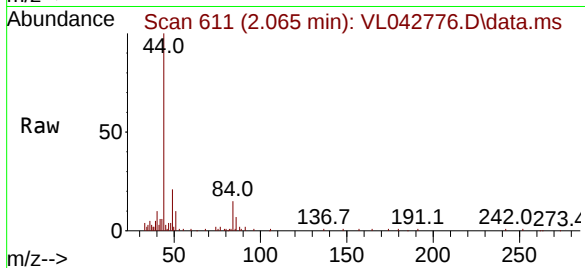




#20
Methylene Chloride
Concen: 0.220 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

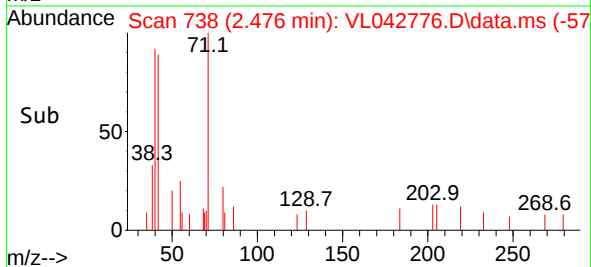
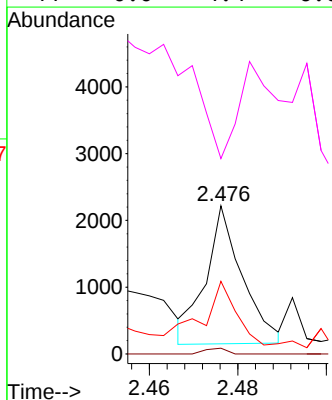
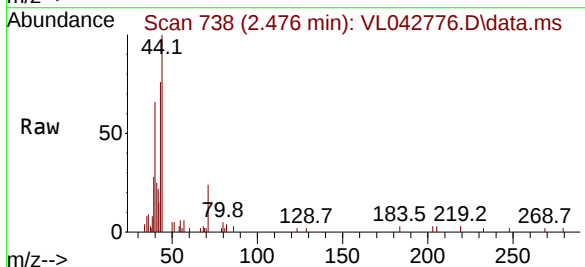
Instrument :
MSVOA_L
ClientSampleId :
SV1

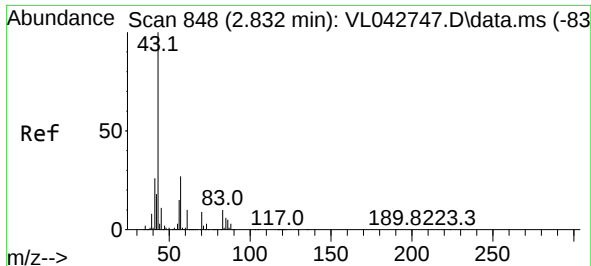
Tgt Ion:	84	Resp:	1455
Ion	Ratio	Lower	Upper
84	100		
49	155.9	138.6	208.0
51	65.1	40.6	61.0#
86	49.4	49.8	74.8#



#23
Vinyl Acetate
Concen: 0.047 ppbv
RT: 2.476 min Scan# 738
Delta R.T. 0.016 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

Tgt Ion:	43	Resp:	1181
Ion	Ratio	Lower	Upper
43	100		
86	4.5	6.1	9.1#
42	49.4	7.8	11.8#
44	0.0	4.4	6.6#

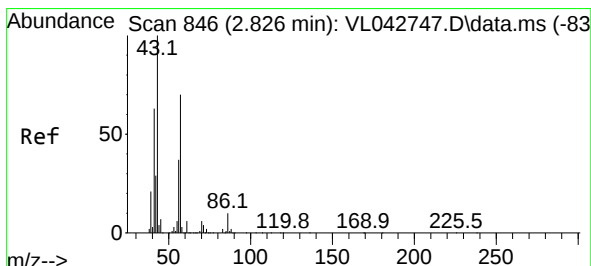
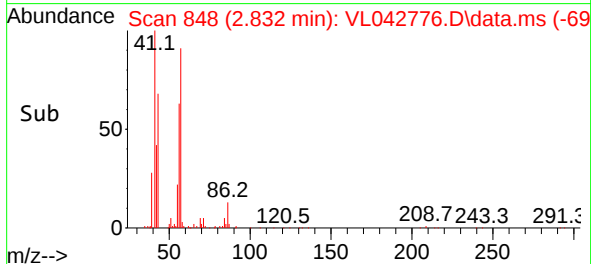
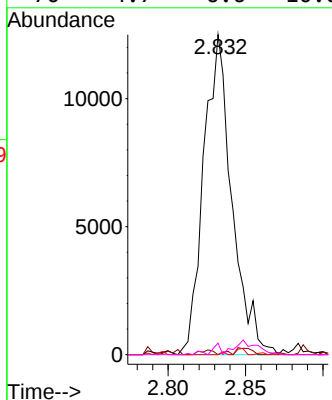
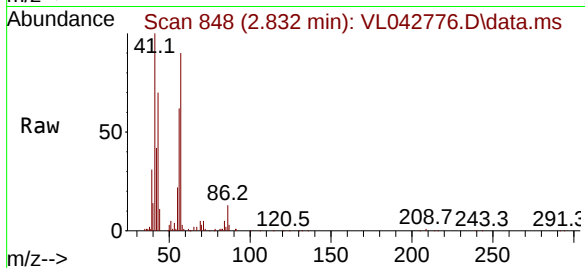




#25
Ethyl Acetate
Concen: 0.342 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

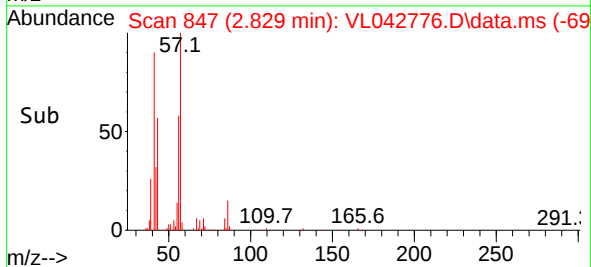
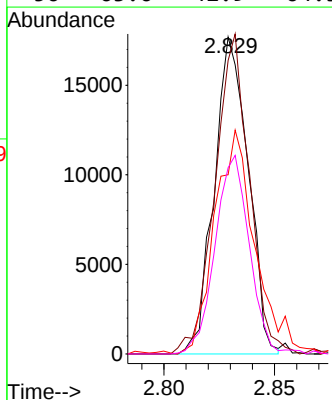
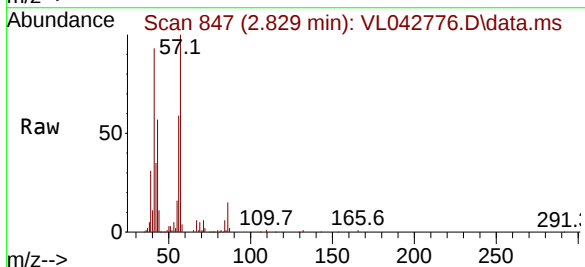
Instrument :
MSVOA_L
ClientSampleId :
SV1

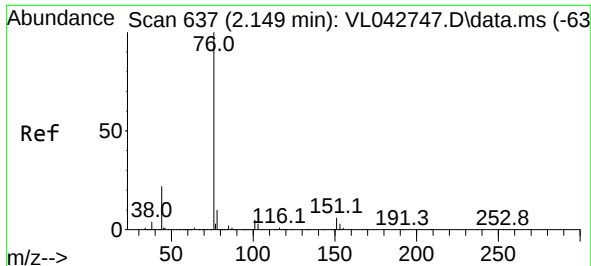
Tgt Ion: 43	Resp: 15849
Ion Ratio	Lower Upper
43 100	
45 2.3	7.8 11.6#
61 0.8	6.7 10.1#
70 4.7	6.6 10.0#



#26
Hexane
Concen: 0.931 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

Tgt Ion: 57	Resp: 18933
Ion Ratio	Lower Upper
57 100	
41 102.1	75.4 113.2
43 85.8	185.0 277.6#
56 63.6	42.9 64.3

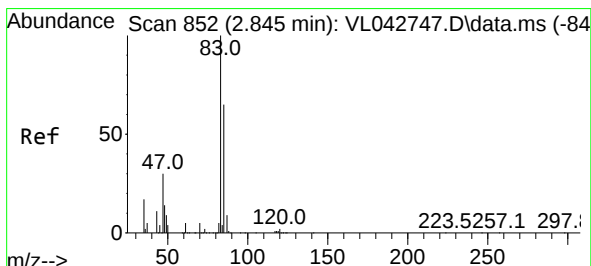
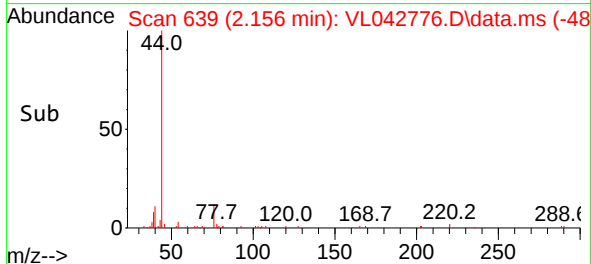
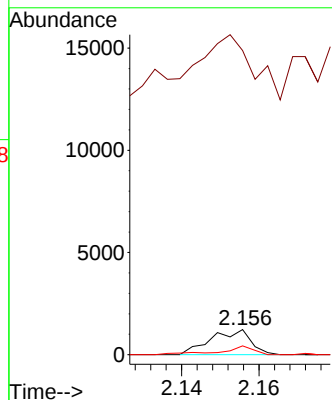
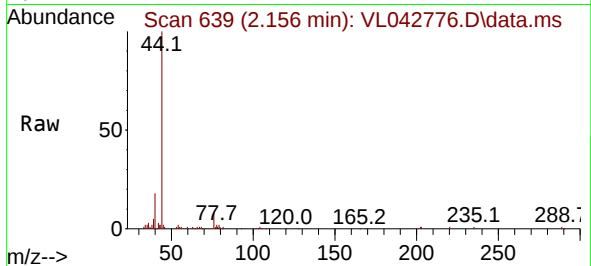




#27
Carbon Disulfide
Concen: 0.051 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

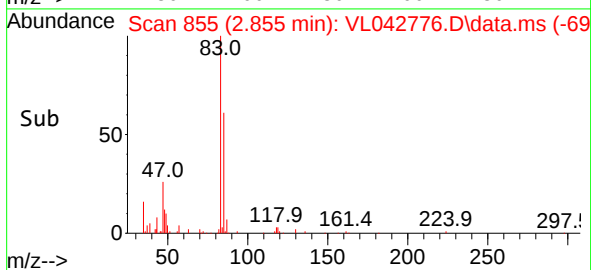
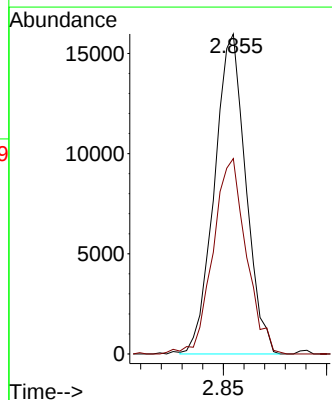
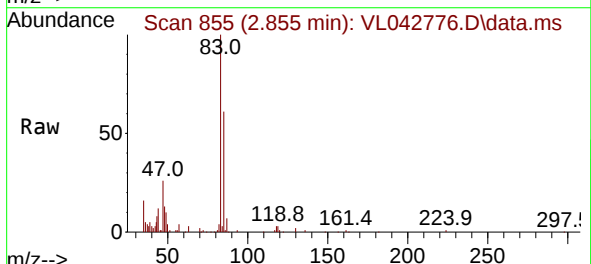
Instrument :
MSVOA_L
ClientSampleId :
SV1

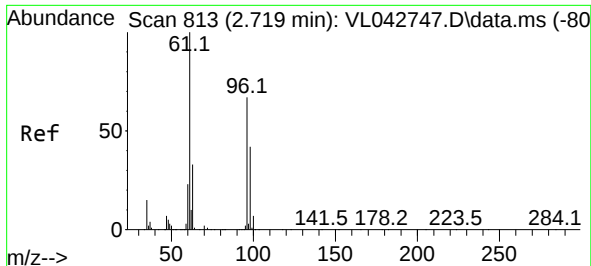
Tgt Ion: 76 Resp: 888
Ion Ratio Lower Upper
76 100
44 5031.0 19.3 28.9#
78 29.2 9.9 14.9#



#29
Chloroform
Concen: 0.536 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.010 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

Tgt Ion: 83 Resp: 16839
Ion Ratio Lower Upper
83 100
85 60.5 52.2 78.2

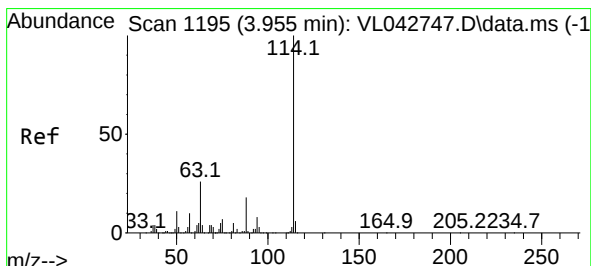
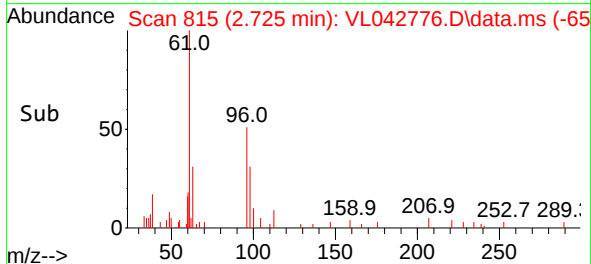
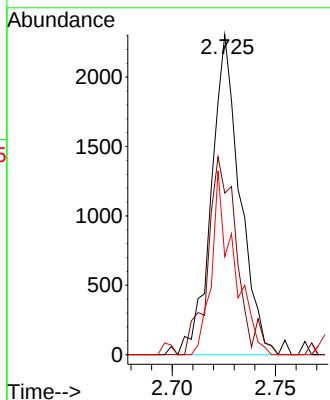
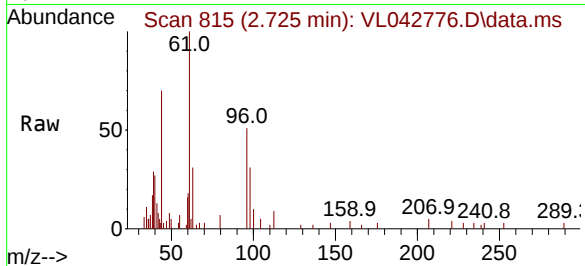




#31
 cis-1,2-Dichloroethene
 Concen: 0.106 ppbv
 RT: 2.725 min Scan# 813
 Delta R.T. 0.006 min
 Lab File: VL042776.D
 Acq: 29 Jul 2025 10:50

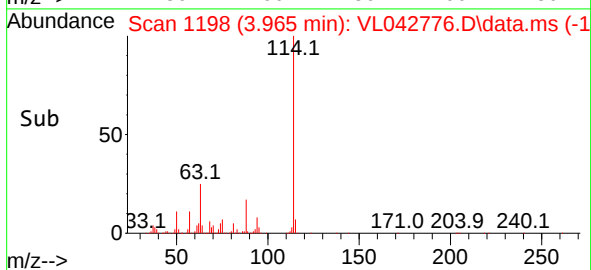
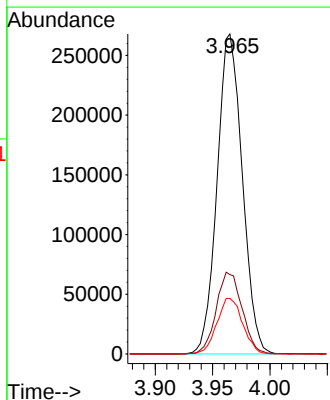
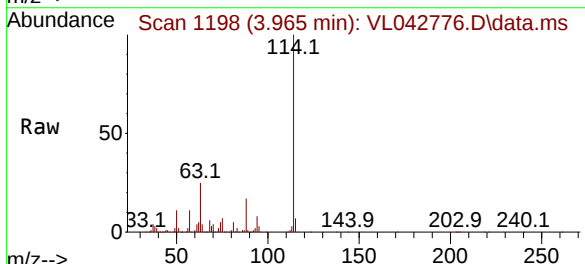
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

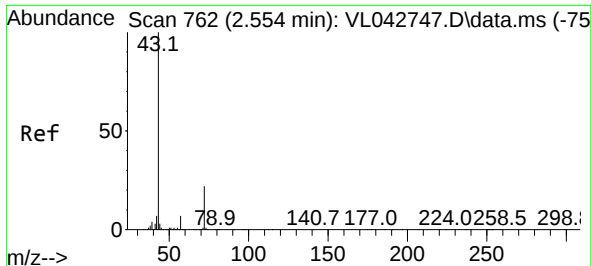
Tgt Ion: 61 Resp: 2211
 Ion Ratio Lower Upper
 61 100
 96 50.5 53.5 80.3#
 98 30.7 33.6 50.4#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.965 min Scan# 1198
 Delta R.T. 0.010 min
 Lab File: VL042776.D
 Acq: 29 Jul 2025 10:50

Tgt Ion: 114 Resp: 409840
 Ion Ratio Lower Upper
 114 100
 63 26.2 20.5 30.7
 88 17.8 14.0 21.0

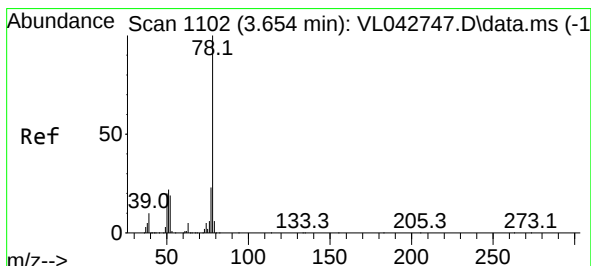
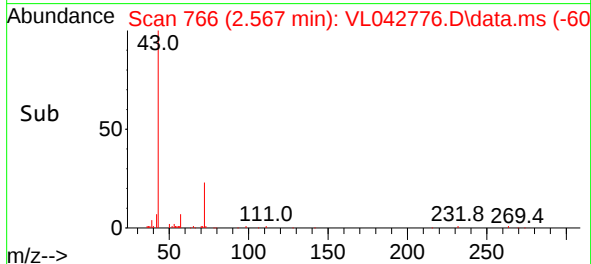
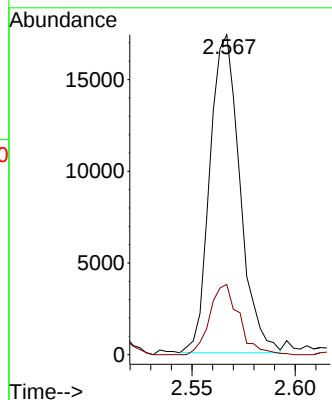
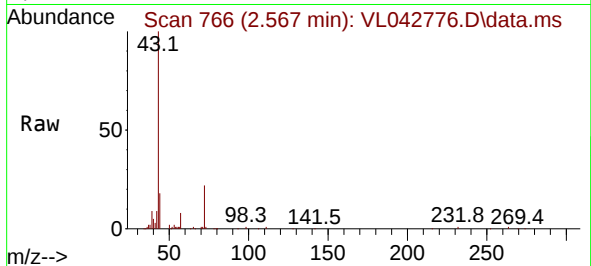




#34
2-Butanone
Concen: 0.605 ppbv
RT: 2.567 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

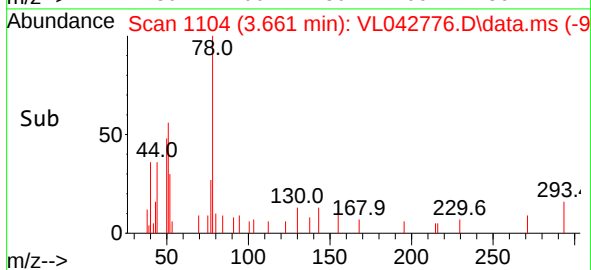
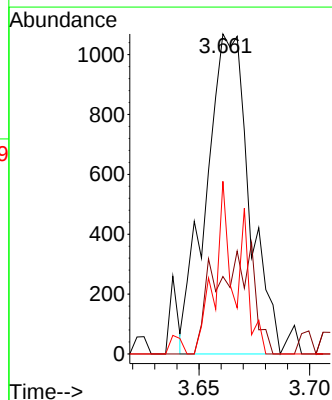
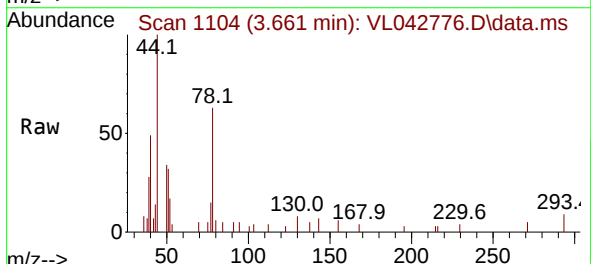
Instrument :
MSVOA_L
ClientSampleId :
SV1

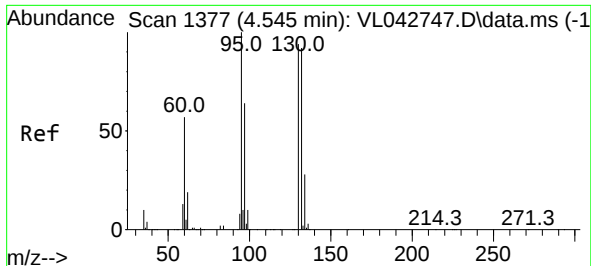
Tgt Ion: 43 Resp: 17553
Ion Ratio Lower Upper
43 100
72 21.6 17.4 26.0



#36
Benzene
Concen: 0.037 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

Tgt Ion: 78 Resp: 1455
Ion Ratio Lower Upper
78 100
77 24.2 18.5 27.7
50 54.0 16.2 24.2#

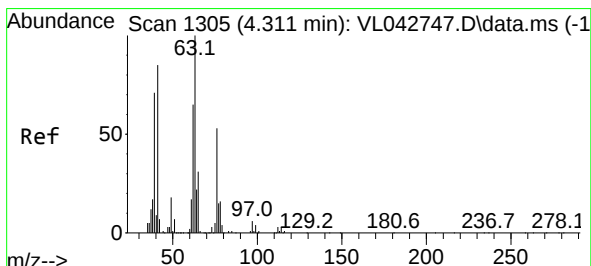
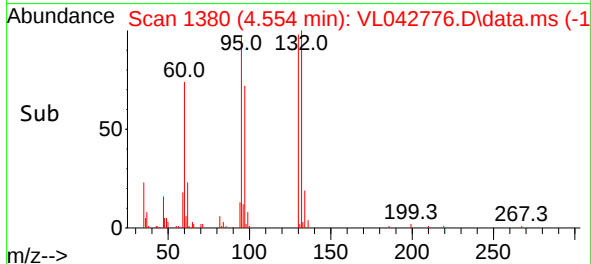
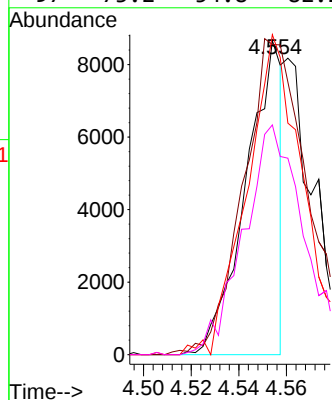
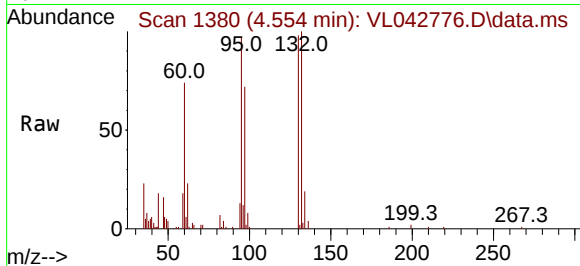




#38
 Trichloroethene
 Concen: 0.483 ppbv
 RT: 4.554 min Scan# 1197
 Delta R.T. 0.010 min
 Lab File: VL042776.D
 Acq: 29 Jul 2025 10:50

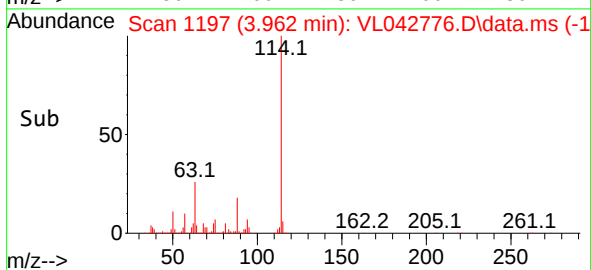
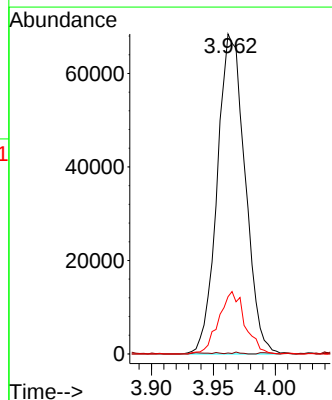
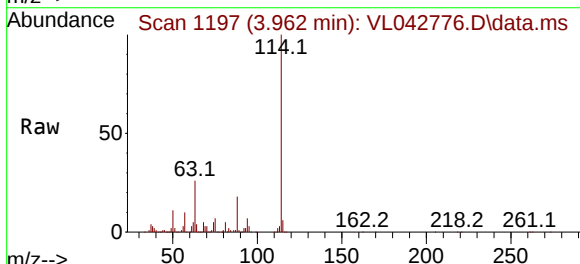
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

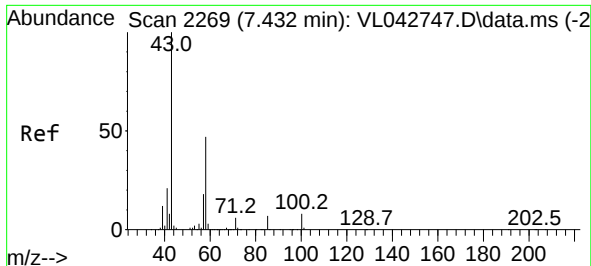
Tgt Ion:130	Resp:	9022	
Ion	Ratio	Lower	Upper
130	100		
95	97.4	85.4	128.2
132	101.9	78.2	117.2
97	73.2	54.8	82.2



#39
 1,2-Dichloropropane
 Concen: 7.462 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. -0.350 min
 Lab File: VL042776.D
 Acq: 29 Jul 2025 10:50

Tgt Ion: 63	Resp:	106987	
Ion	Ratio	Lower	Upper
63	100		
41	0.3	68.2	102.4#
62	17.9	52.0	78.0#

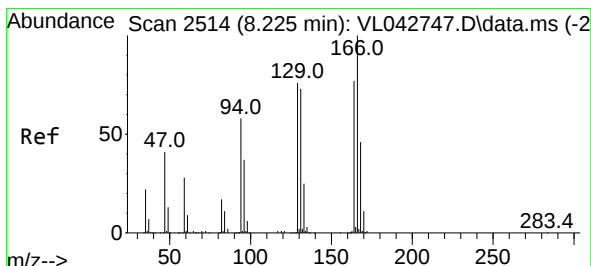
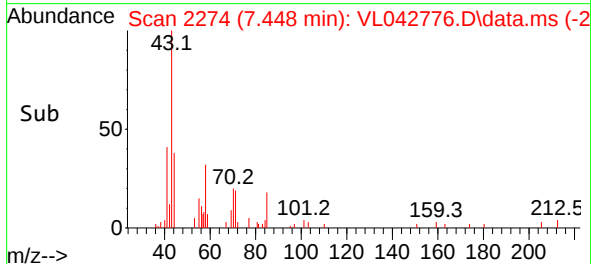
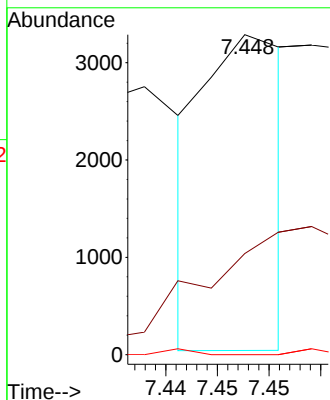
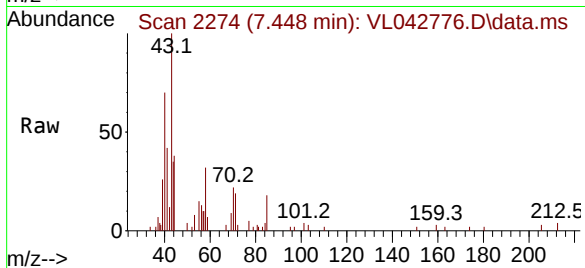




#51
2-Hexanone
Concen: 0.063 ppbv
RT: 7.448 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

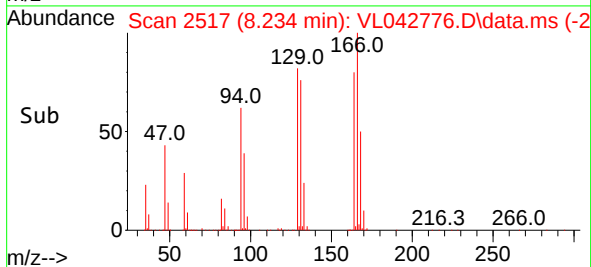
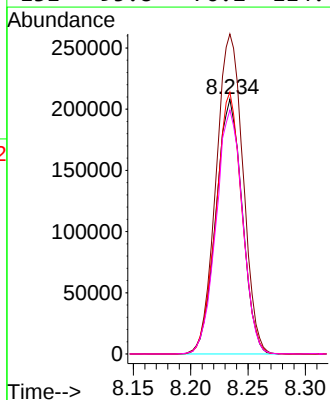
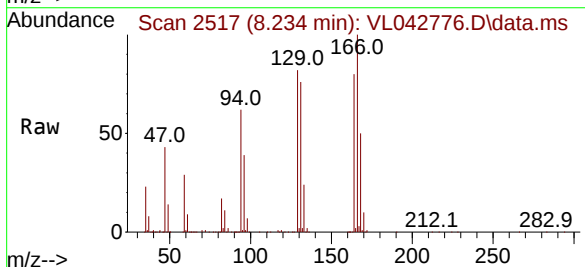
Instrument :
MSVOA_L
ClientSampleId :
SV1

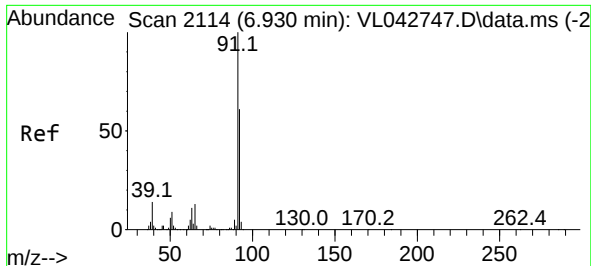
Tgt Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
58 0.0 38.0 57.0#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 20.579 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

Tgt Ion: 164 Resp: 331325
Ion Ratio Lower Upper
164 100
166 125.6 104.0 156.0
129 102.9 79.2 118.8
131 95.8 76.2 114.4

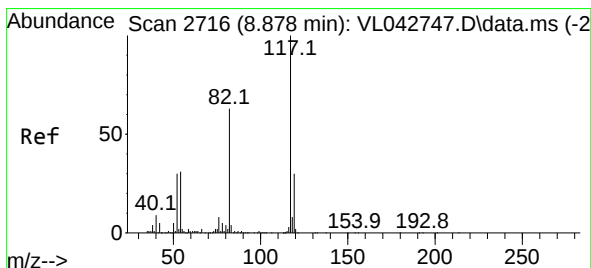
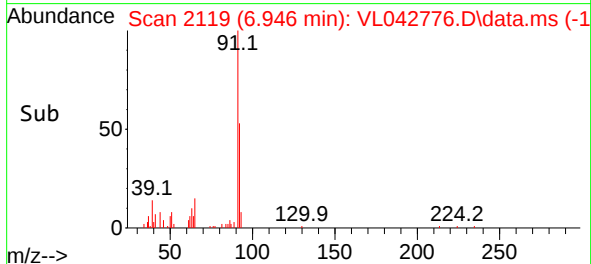
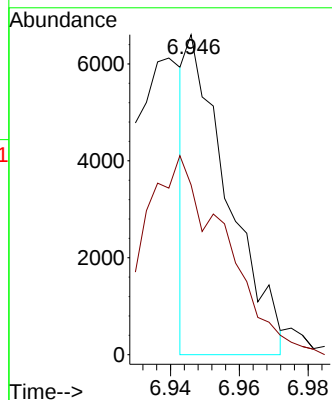
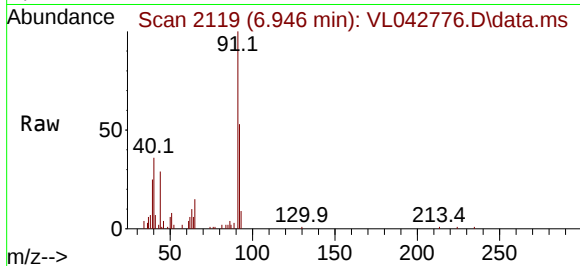




#53
Toluene
Concen: 0.133 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. 0.016 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

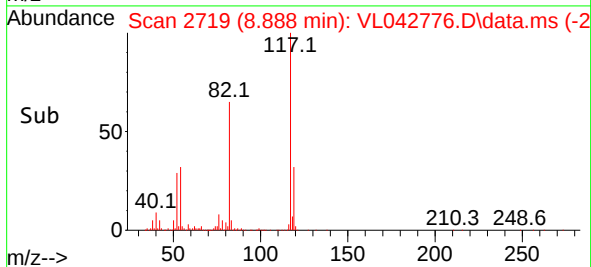
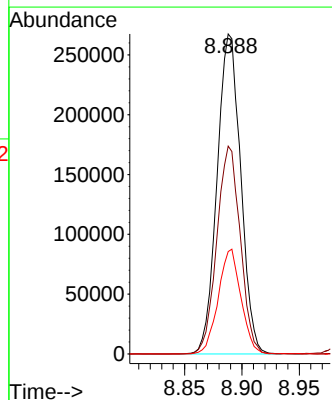
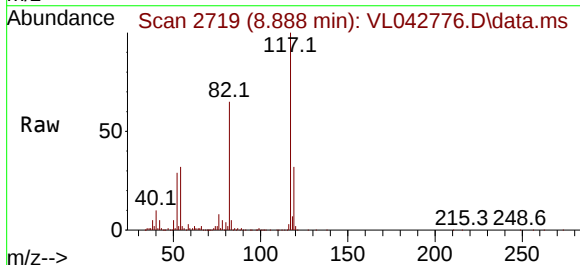
Instrument :
MSVOA_L
ClientSampleId :
SV1

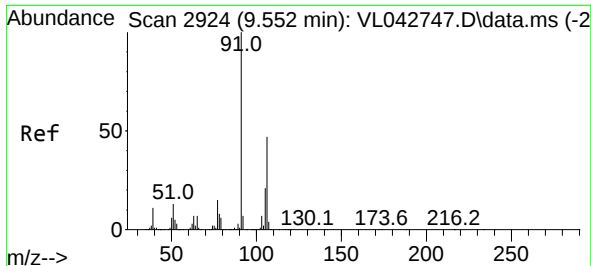
Tgt Ion: 91 Resp: 5549
Ion Ratio Lower Upper
91 100
92 137.0 48.0 72.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.010 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

Tgt Ion: 117 Resp: 382977
Ion Ratio Lower Upper
117 100
82 64.6 53.3 79.9
119 31.6 25.8 38.6





#59

m/p-Xylene

Concen: 0.432 ppbv

RT: 9.542 min Scan# 2924

Delta R.T. -0.010 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

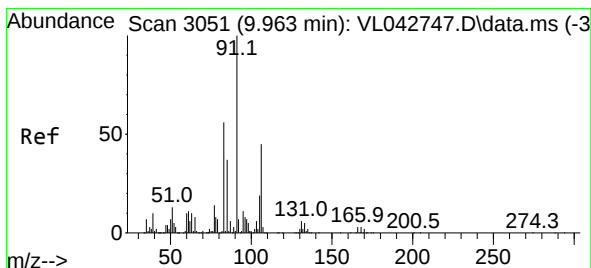
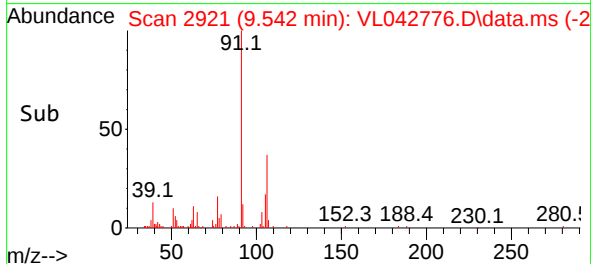
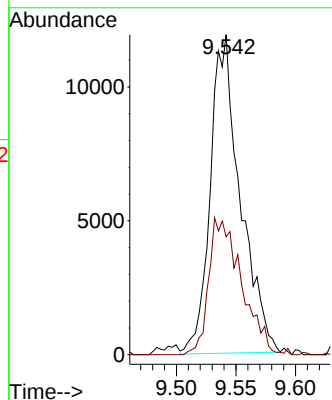
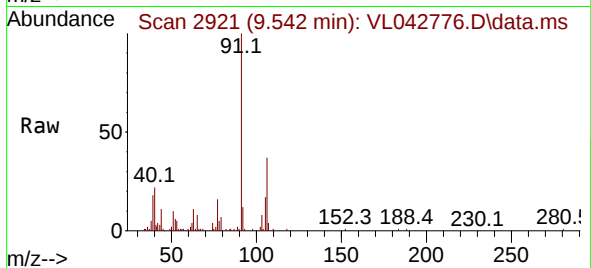
SV1

Tgt Ion: 91 Resp: 20861

Ion Ratio Lower Upper

91 100

106 47.0 37.4 56.2



#60

o-Xylene

Concen: 0.245 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VL042776.D

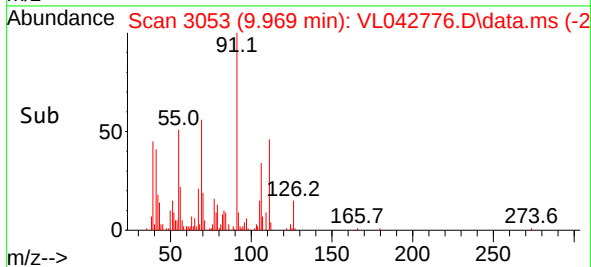
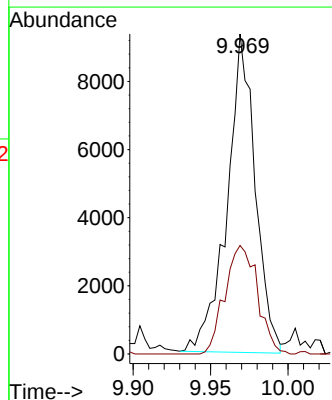
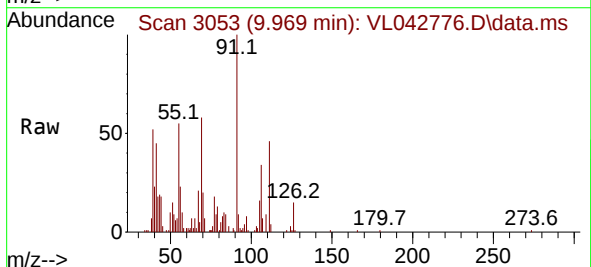
Acq: 29 Jul 2025 10:50

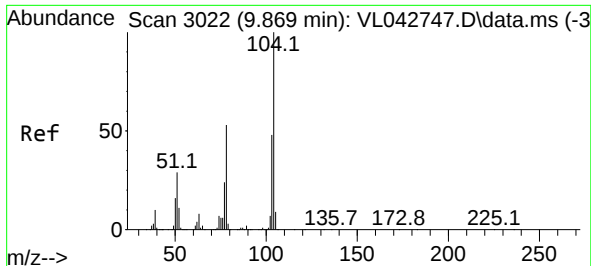
Tgt Ion: 91 Resp: 11841

Ion Ratio Lower Upper

91 100

106 39.7 22.0 66.0

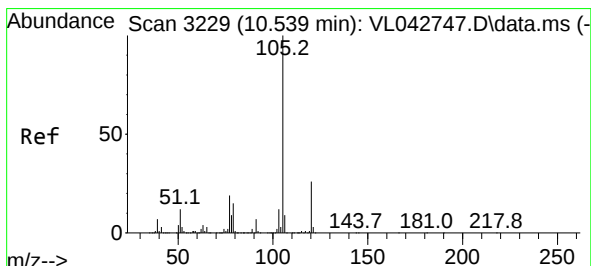
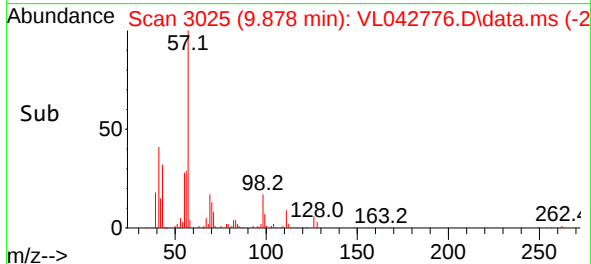
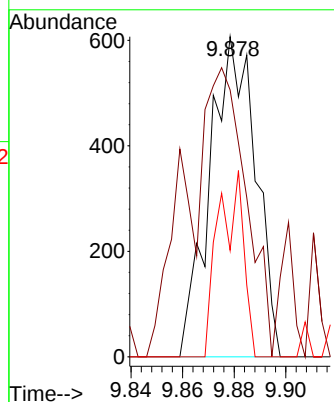
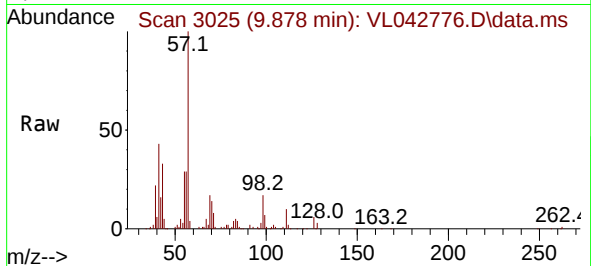




#61
Styrene
Concen: 0.037 ppbv
RT: 9.878 min Scan# 3022
Delta R.T. 0.010 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

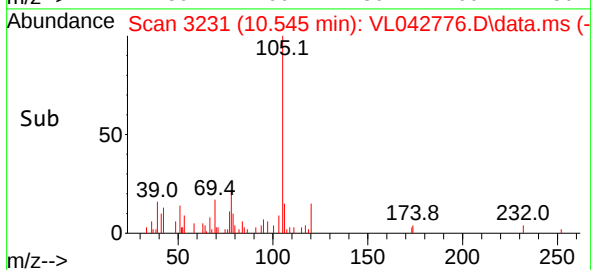
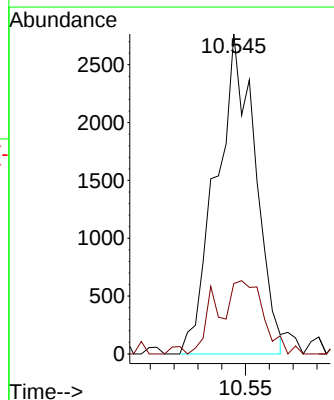
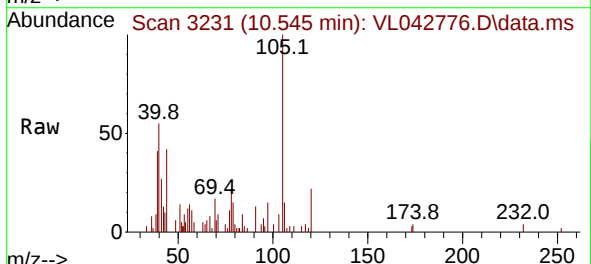
Instrument :
MSVOA_L
ClientSampleId :
SV1

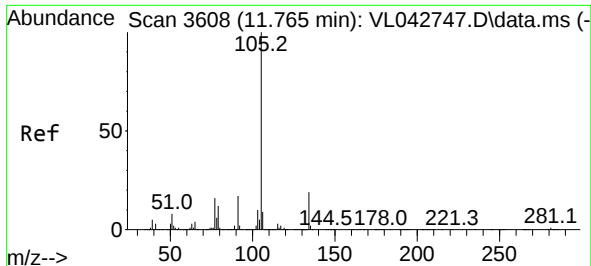
Tgt Ion:104 Resp: 748
Ion Ratio Lower Upper
104 100
78 142.9 41.5 62.3#
103 31.7 37.5 56.3#



#62
Isopropylbenzene
Concen: 0.044 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.006 min
Lab File: VL042776.D
Acq: 29 Jul 2025 10:50

Tgt Ion:105 Resp: 3152
Ion Ratio Lower Upper
105 100
120 28.7 20.5 30.7





#67

sec-Butylbenzene

Concen: 0.030 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. 0.006 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

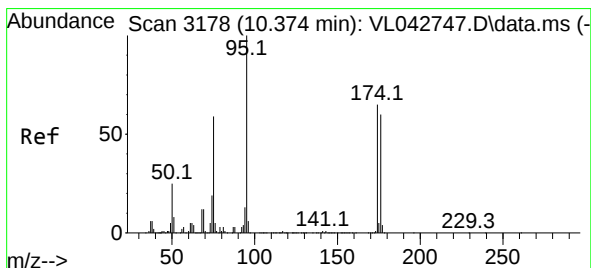
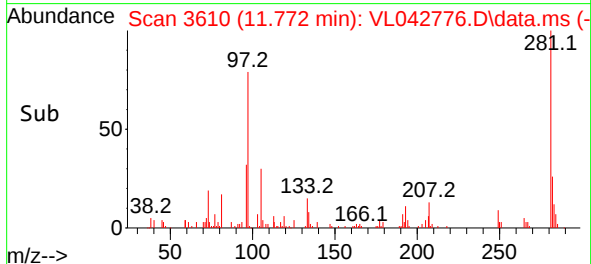
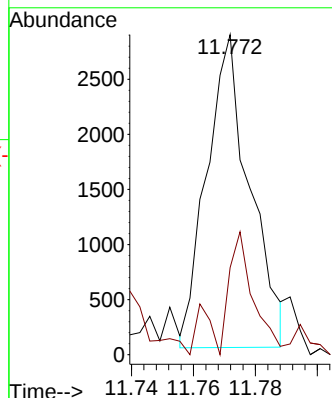
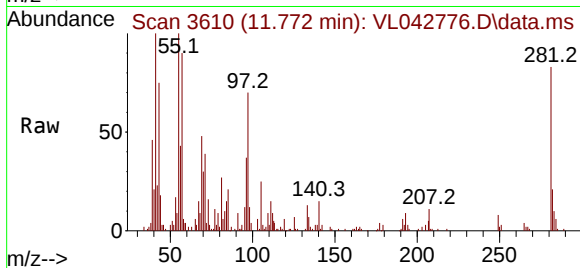
SV1

Tgt Ion:105 Resp: 2739

Ion Ratio Lower Upper

105 100

134 49.0 15.5 23.3#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.200 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.010 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

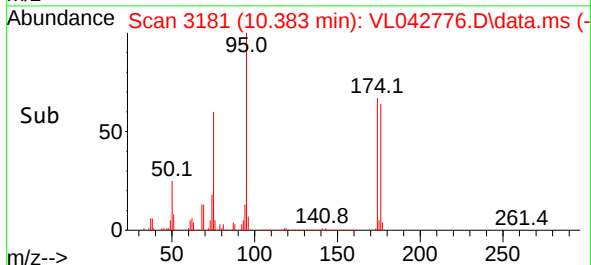
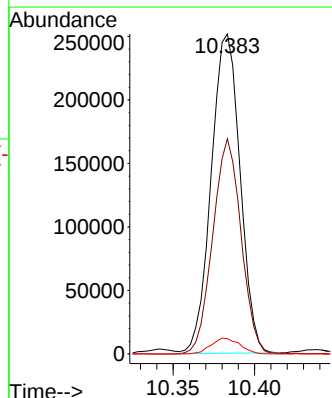
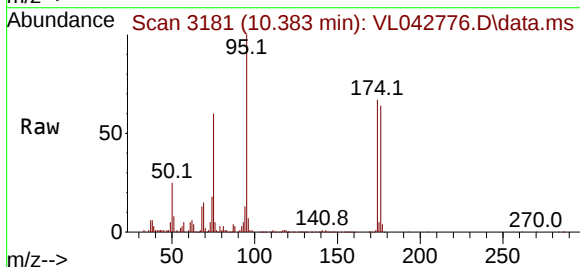
Tgt Ion: 95 Resp: 309355

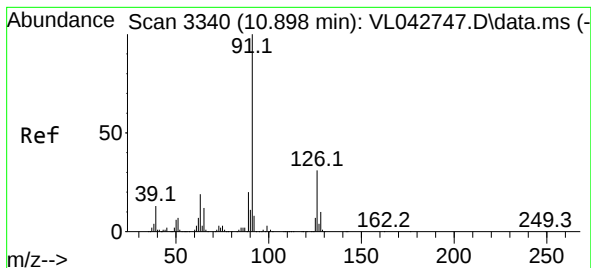
Ion Ratio Lower Upper

95 100

174 66.2 53.8 80.6

175 5.0 4.0 6.0





#71

2-Chlorotoluene

Concen: 0.042 ppbv

RT: 11.099 min Scan# 3402

Delta R.T. 0.201 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

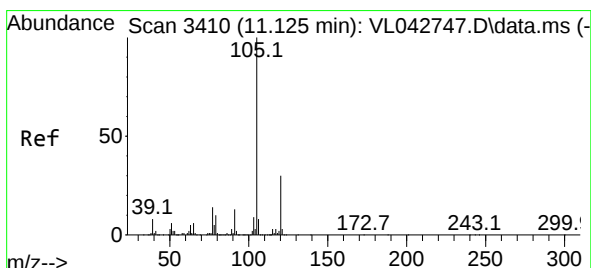
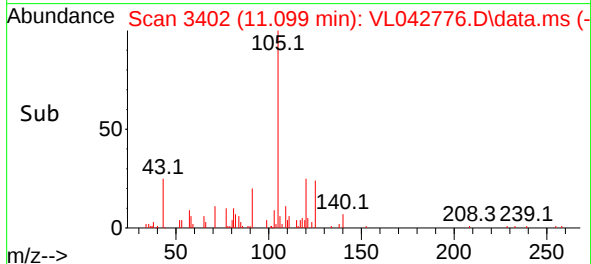
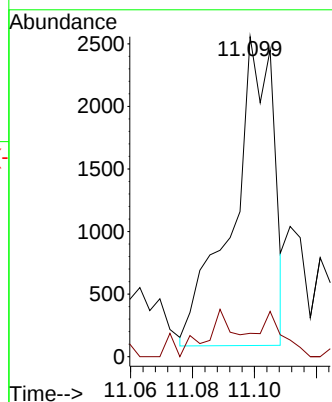
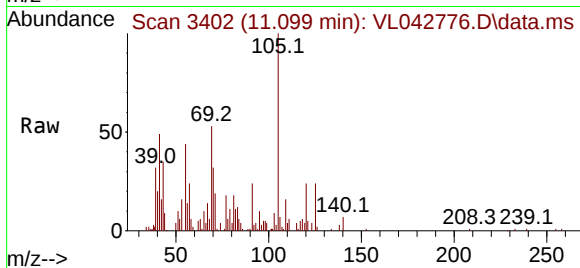
SV1

Tgt Ion: 91 Resp: 2291

Ion Ratio Lower Upper

91 100

126 21.6 12.0 48.2



#72

4-Ethyltoluene

Concen: 0.053 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

Tgt Ion: 105 Resp: 3079

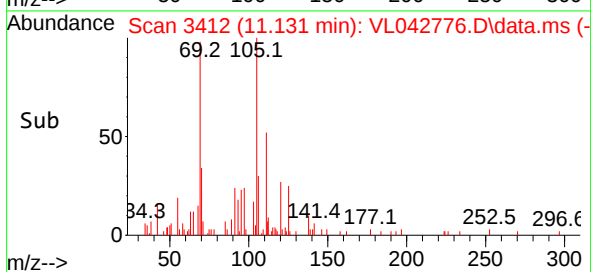
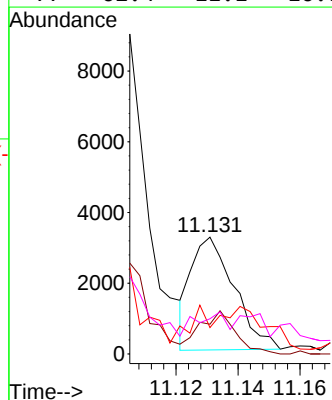
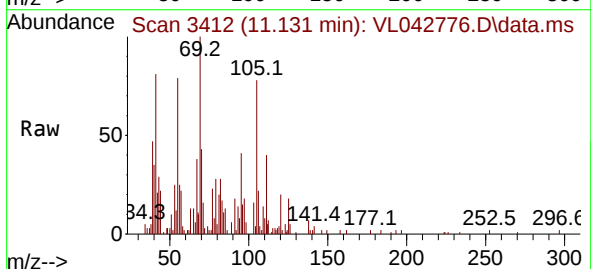
Ion Ratio Lower Upper

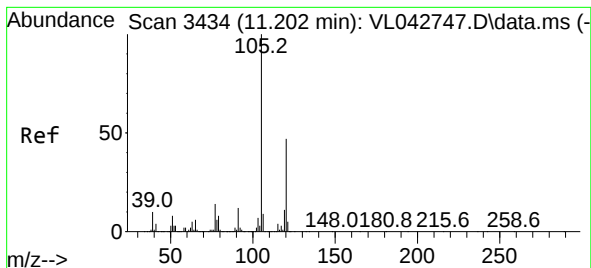
105 100

120 0.0 24.4 36.6#

91 56.4 10.6 15.8#

77 62.4 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.179 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

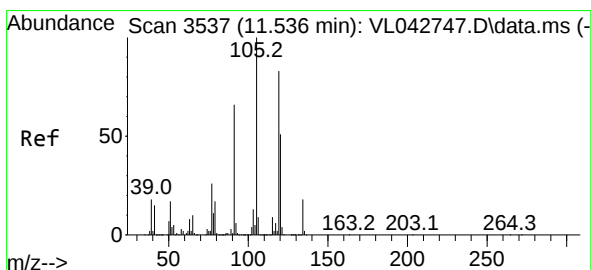
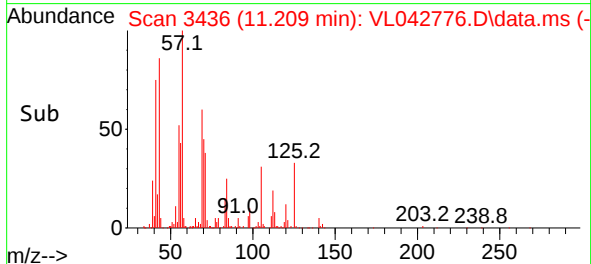
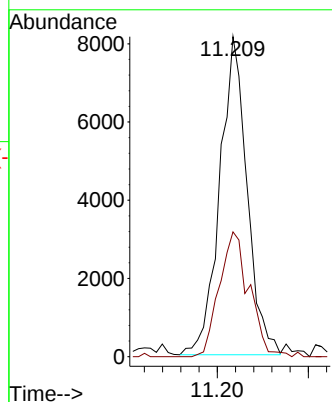
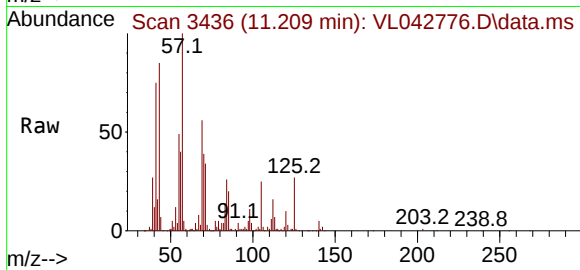
SV1

Tgt Ion:105 Resp: 8481

Ion Ratio Lower Upper

105 100

120 39.3 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 0.143 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

Tgt Ion:105 Resp: 7384

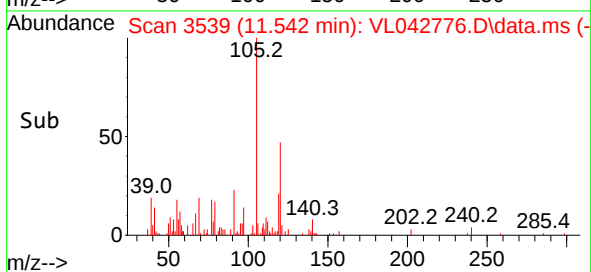
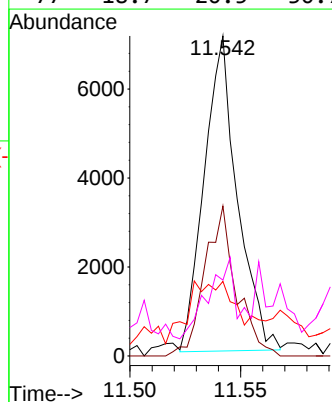
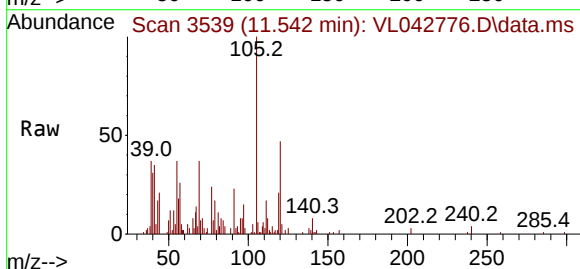
Ion Ratio Lower Upper

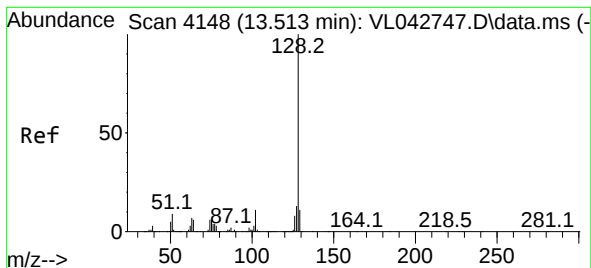
105 100

120 47.8 40.8 61.2

91 12.8 53.0 79.4#

77 18.7 20.5 30.7#





#79

Naphthalene

Concen: 0.483 ppbv

RT: 13.516 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

SV1

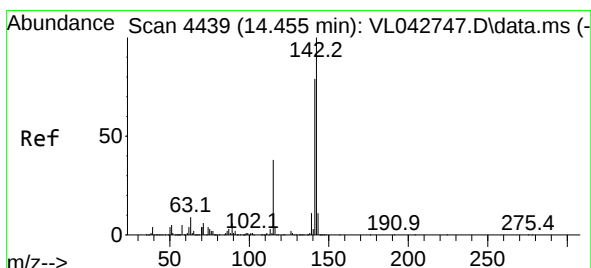
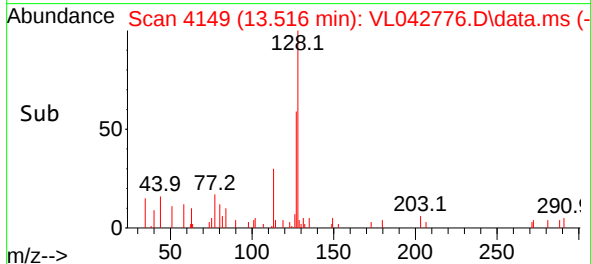
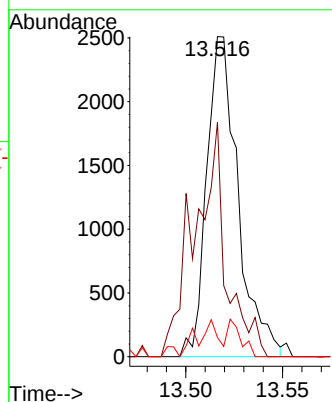
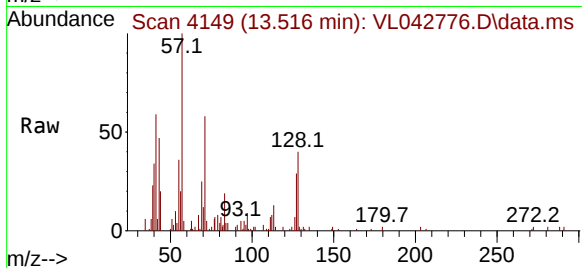
Tgt Ion:128 Resp: 2825

Ion Ratio Lower Upper

128 100

127 73.3 10.5 15.7#

129 6.0 8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 1.162 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. 0.016 min

Lab File: VL042776.D

Acq: 29 Jul 2025 10:50

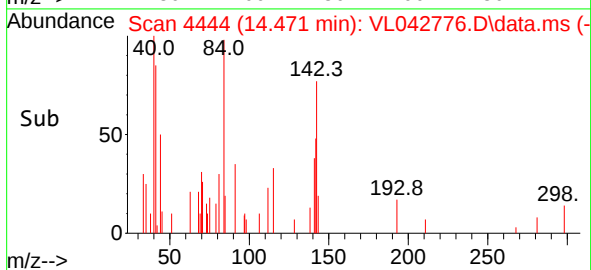
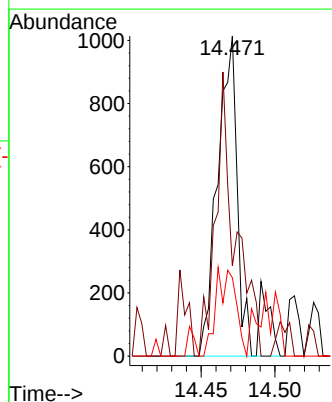
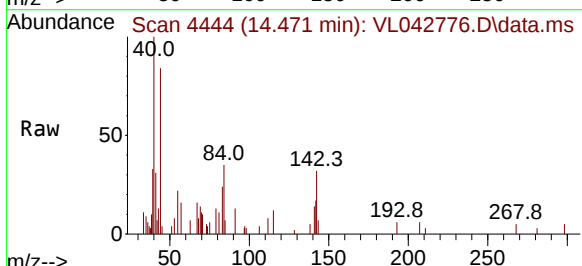
Tgt Ion:142 Resp: 1054

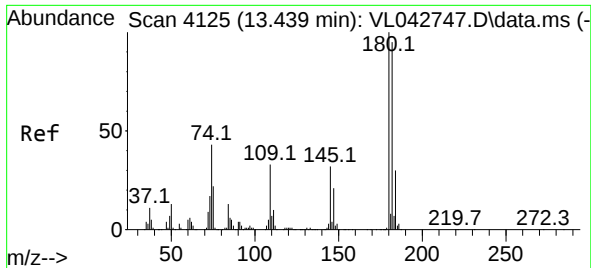
Ion Ratio Lower Upper

142 100

141 100.1 65.8 98.8#

115 44.8 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 0.443 ppbv

RT: 13.458 min Scan# 41

Delta R.T. 0.019 min

Lab File: VL042776.D

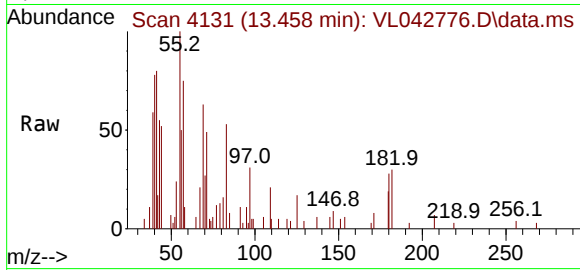
Acq: 29 Jul 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

SV1



Tgt Ion:180 Resp: 258

Ion Ratio Lower Upper

180 100

182 0.0 76.2 114.2#

184 0.0 24.8 37.2#

