

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
 Data File : VL042948.D
 Acq On : 18 Sep 2025 16:30
 Operator : SY/MD
 Sample : Q3111-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 19 01:27:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 18 02:57:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	171071	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	423347	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	385900	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	321561	10.661	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.600%

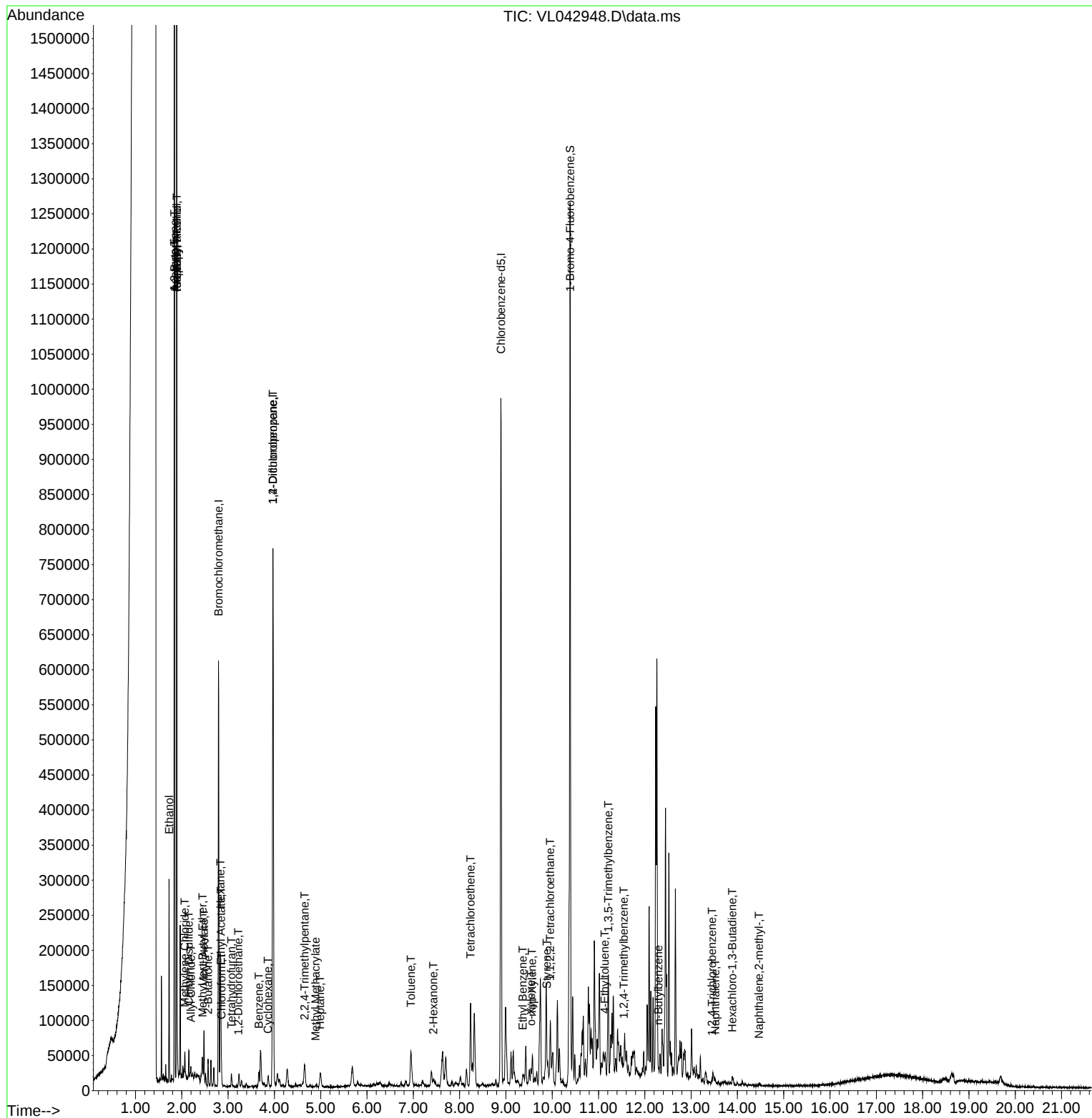
Target Compounds						Qvalue
9) Propene	1.890	41	108093	11.505	ppbv	94
10) Heptane	4.988	43	2622	0.113	ppbv #	1
13) Ethanol	1.725	45	94623	98.776	ppbv	94
15) Acetone	1.839	43	1321289	62.882	ppbv	97
16) 1,3-Butadiene	1.839	39	82467	9.383	ppbv #	13
17) tert-Butyl alcohol	1.890	59	43418	2.146	ppbv	95
19) Isopropyl Alcohol	1.890	45	1100221	97.662	ppbv #	4
20) Methylene Chloride	2.065	84	5662	0.619	ppbv	98
21) Allyl Chloride	2.195	41	2067	0.145	ppbv #	1
23) Vinyl Acetate	2.479	43	21562	0.883	ppbv #	40
25) Ethyl Acetate	2.845	43	69904	1.558	ppbv	99
26) Hexane	2.832	57	37699	1.958	ppbv	80
27) Carbon Disulfide	2.153	76	23428	0.986	ppbv	99
28) Methyl tert-Butyl Ether	2.447	73	1454	0.137	ppbv #	1
29) Chloroform	2.858	83	1365	0.043	ppbv	91
30) Cyclohexane	3.862	84	2242	0.155	ppbv #	10
34) 2-Butanone	2.567	43	21632	0.788	ppbv	100
36) Benzene	3.667	78	13033	0.353	ppbv #	89
37) 1,2-Dichloroethane	3.224	62	892	0.040	ppbv #	80
39) 1,2-Dichloropropane	3.968	63	112953	7.569	ppbv #	23
41) Tetrahydrofuran	3.072	42	4682	0.345	ppbv #	81
43) Methyl Methacrylate	4.891	69	456	0.037	ppbv #	1
44) 2,2,4-Trimethylpentane	4.651	57	21694	0.352	ppbv #	68
51) 2-Hexanone	7.435	43	1613	0.066	ppbv #	31
52) Tetrachloroethene	8.237	164	19222	1.688	ppbv	94
53) Toluene	6.949	91	34133	0.991	ppbv	100
58) Ethyl Benzene	9.364	91	6026	0.121	ppbv	92
59) m/p-Xylene	9.564	91	2272	0.054	ppbv #	30
60) o-Xylene	9.542	91	9192	0.220	ppbv	68
61) Styrene	9.882	104	3931	0.715	ppbv #	75
63) 1,1,2,2-Tetrachloroethane	9.956	83	1622	0.054	ppbv #	86
70) n-Butylbenzene	12.293	91	185	0.304	ppbv #	1
72) 4-Ethyltoluene	11.134	105	1470	0.384	ppbv #	46
73) 1,3,5-Trimethylbenzene	11.212	105	1950	0.047	ppbv #	57
74) 1,2,4-Trimethylbenzene	11.545	105	4652	0.096	ppbv #	54
78) Hexachloro-1,3-Butadiene	13.889	225	893	0.045	ppbv #	90
79) Naphthalene	13.520	128	459	0.372	ppbv #	88
80) Naphthalene,2-methyl-	14.465	142	1474	0.845	ppbv	95
81) 1,2,4-Trichlorobenzene	13.452	180	629	0.450	ppbv #	43

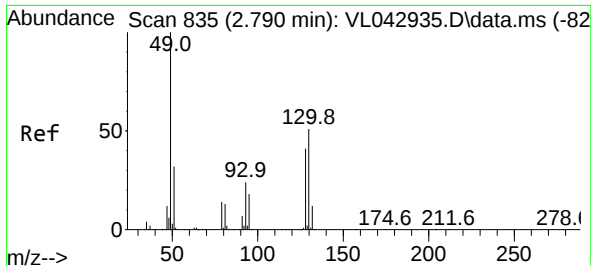
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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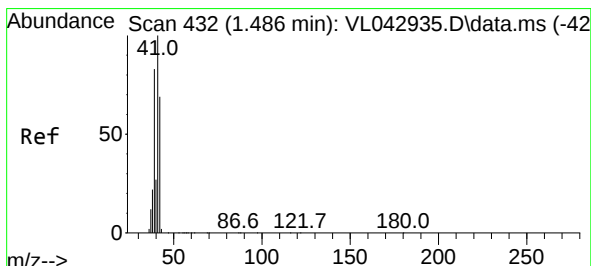
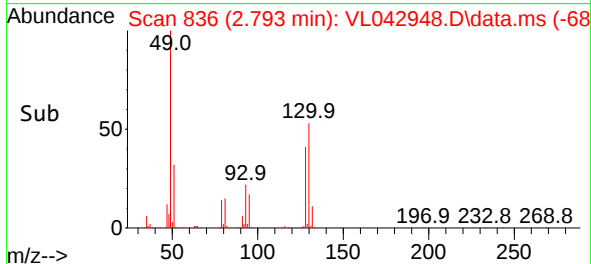
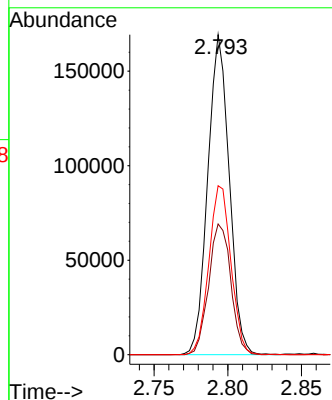
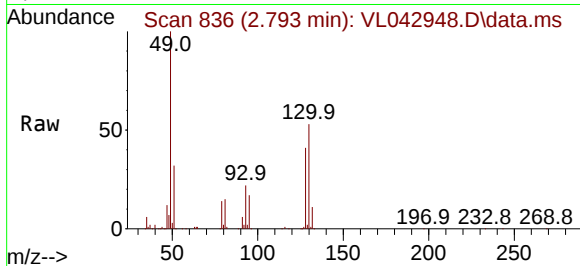




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

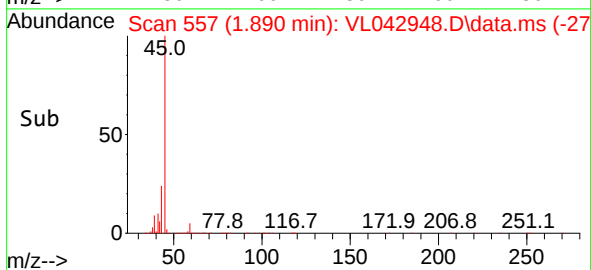
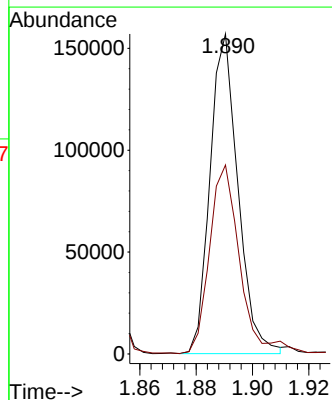
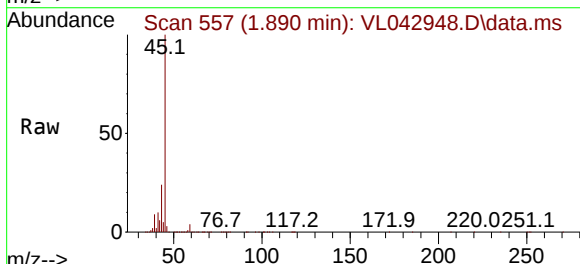
Instrument :
MSVOA_L
ClientSampleId :

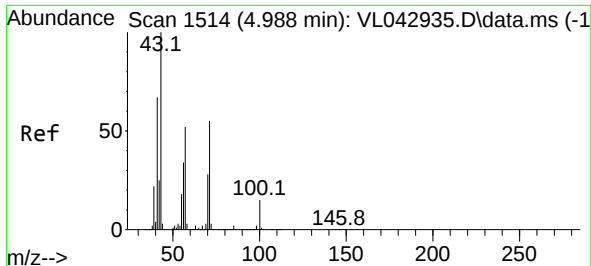
Tgt Ion: 49 Resp: 171071
Ion Ratio Lower Upper
49 100
128 42.2 21.1 63.4
130 54.3 26.4 79.2



#9
Propene
Concen: 11.505 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.405 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion: 41 Resp: 108093
Ion Ratio Lower Upper
41 100
42 63.6 55.0 82.4

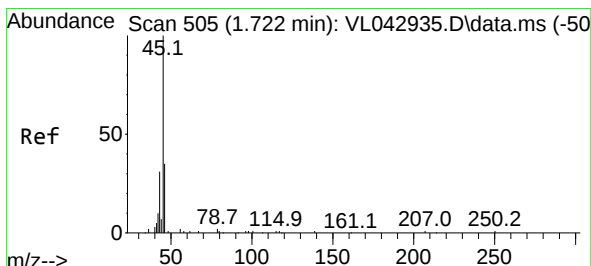
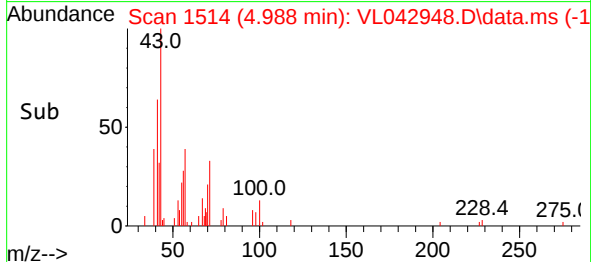
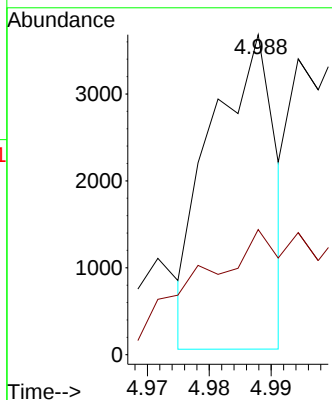
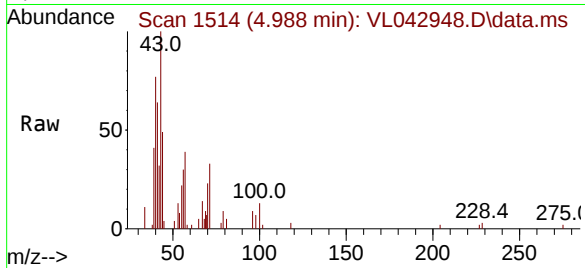




#10
Heptane
Concen: 0.113 ppbv
RT: 4.988 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

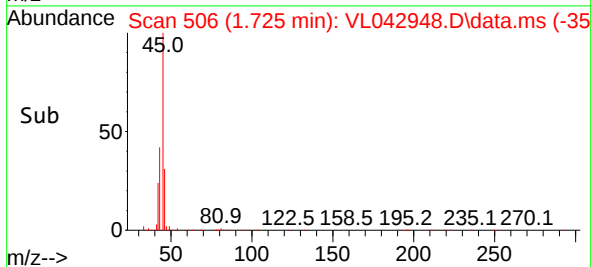
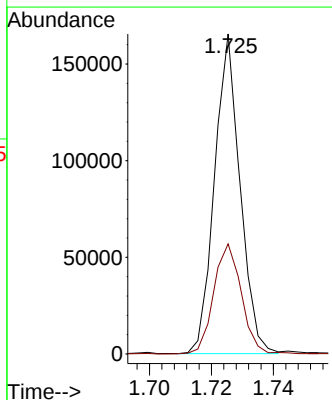
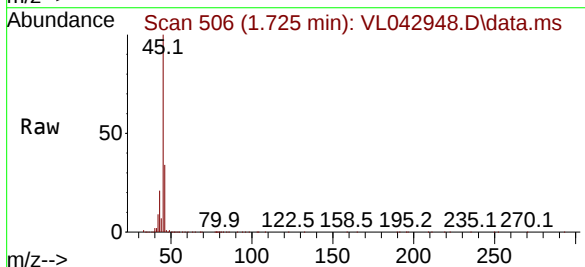
Instrument :
MSVOA_L
ClientSampleId :

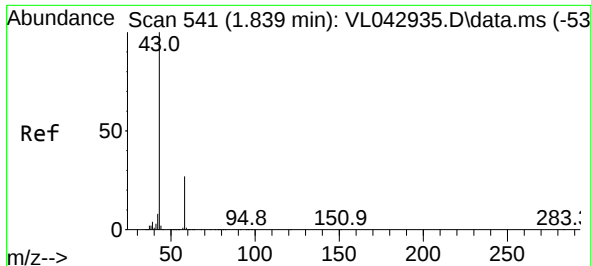
Tgt Ion: 43 Resp: 2622
Ion Ratio Lower Upper
43 100
57 122.6 39.8 59.8#



#13
Ethanol
Concen: 98.776 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.003 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion: 45 Resp: 94623
Ion Ratio Lower Upper
45 100
46 37.8 16.5 66.1

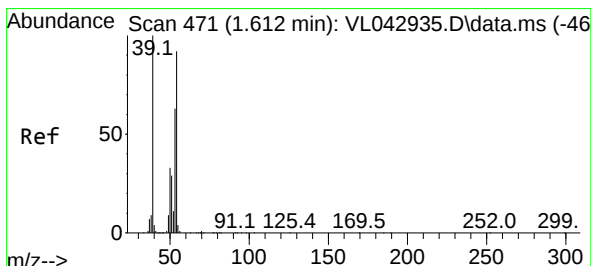
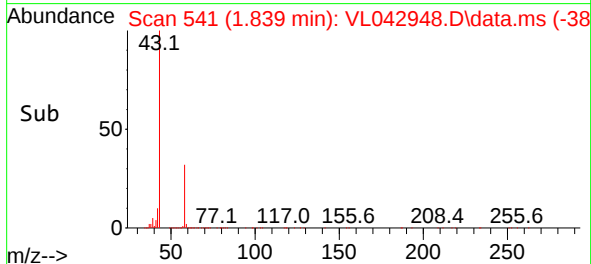
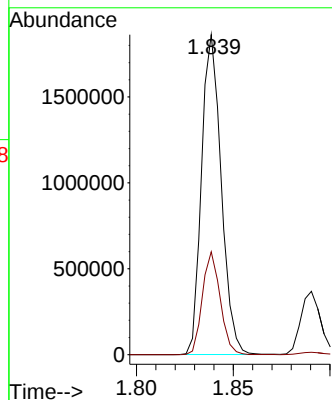
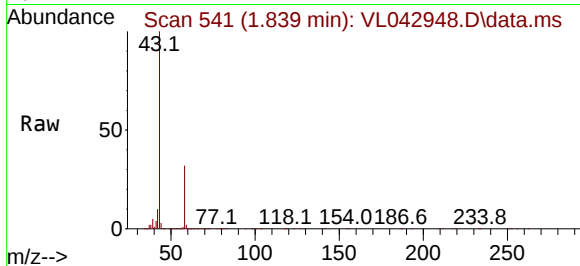




#15
Acetone
Concen: 62.882 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

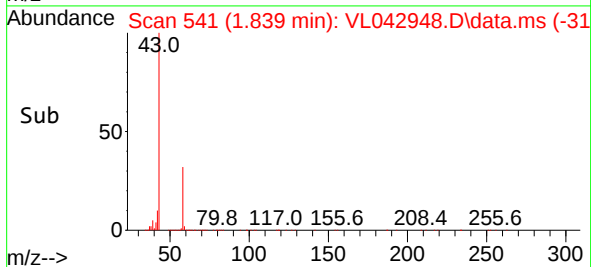
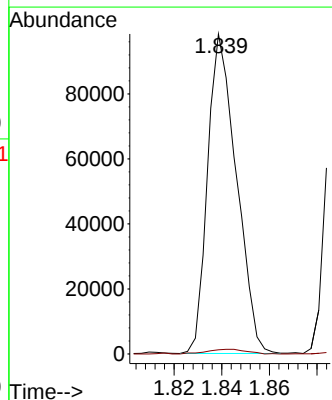
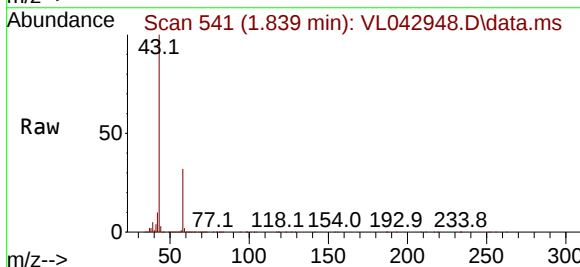
Instrument :
MSVOA_L
ClientSampleId :

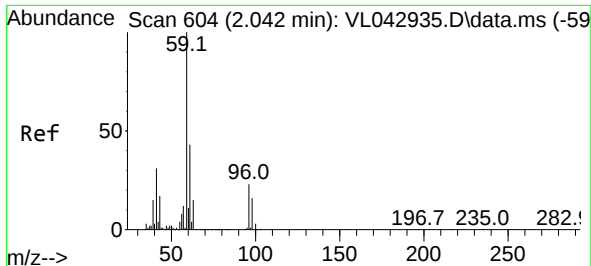
Tgt Ion: 43 Resp: 1321289
Ion Ratio Lower Upper
43 100
58 29.1 22.2 33.2



#16
1,3-Butadiene
Concen: 9.383 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.227 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion: 39 Resp: 82467
Ion Ratio Lower Upper
39 100
54 2.1 62.2 93.4#





#17

tert-Butyl alcohol

Concen: 2.146 ppbv

RT: 1.890 min Scan# 557

Delta R.T. -0.152 min

Lab File: VL042948.D

Acq: 18 Sep 2025 16:30

Instrument :

MSVOA_L

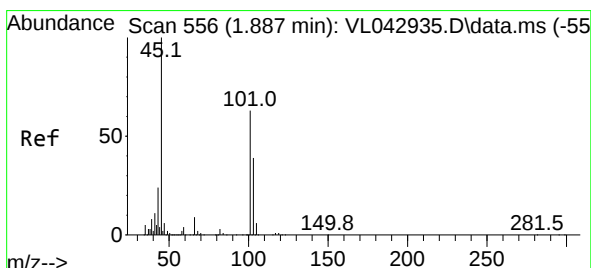
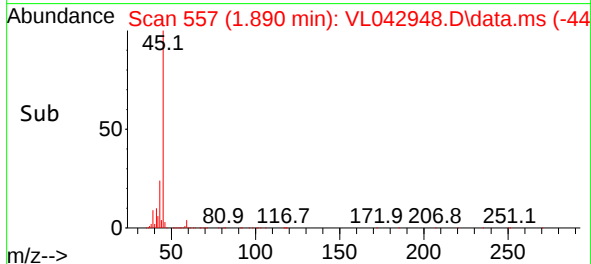
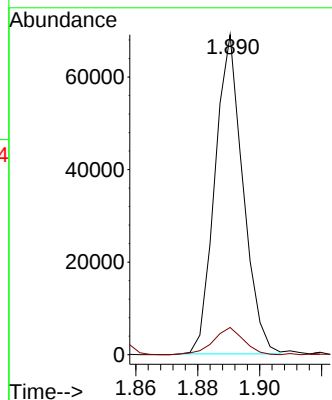
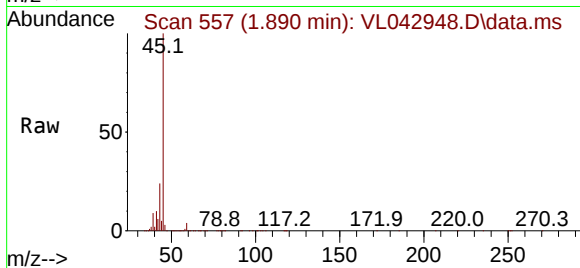
ClientSampleId :

Tgt Ion: 59 Resp: 43418

Ion Ratio Lower Upper

59 100

57 9.4 9.0 13.6



#19

Isopropyl Alcohol

Concen: 97.662 ppbv

RT: 1.890 min Scan# 557

Delta R.T. 0.003 min

Lab File: VL042948.D

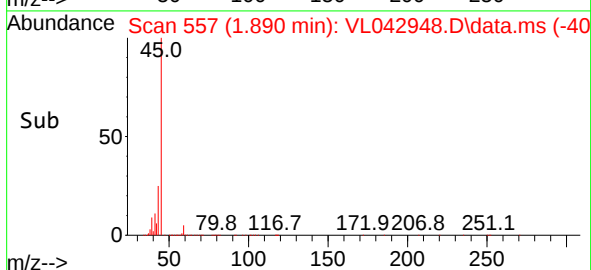
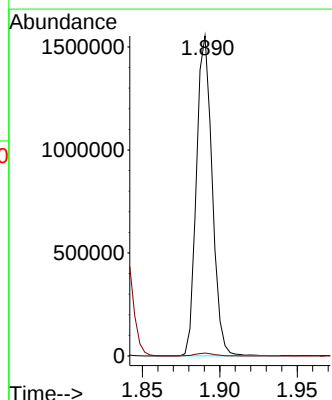
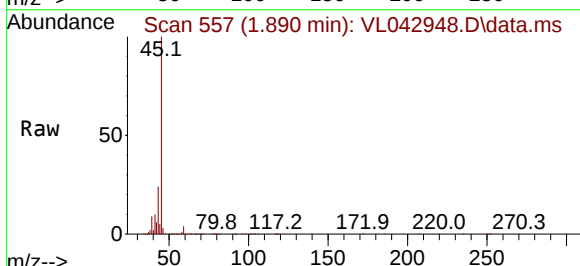
Acq: 18 Sep 2025 16:30

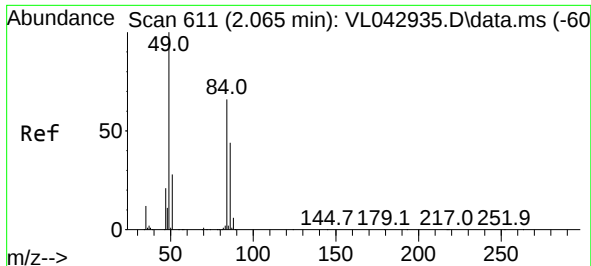
Tgt Ion: 45 Resp: 1100221

Ion Ratio Lower Upper

45 100

58 34.9 2.0 3.0#

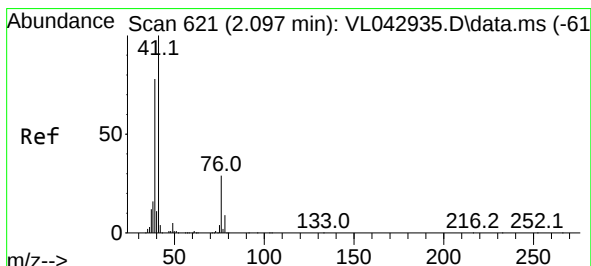
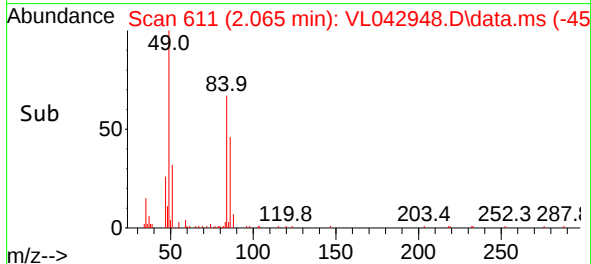
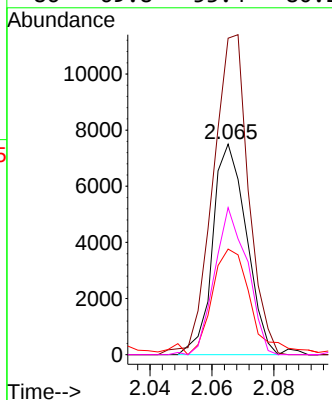
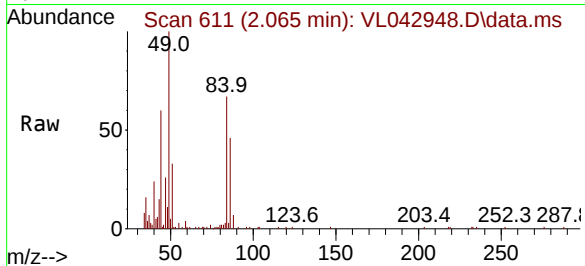




#20
Methylene Chloride
Concen: 0.619 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

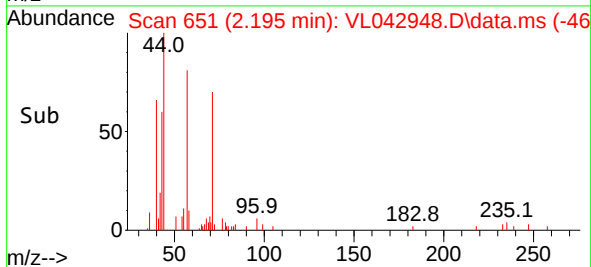
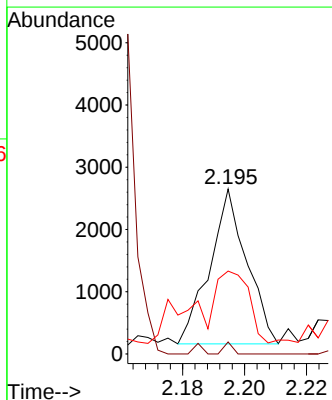
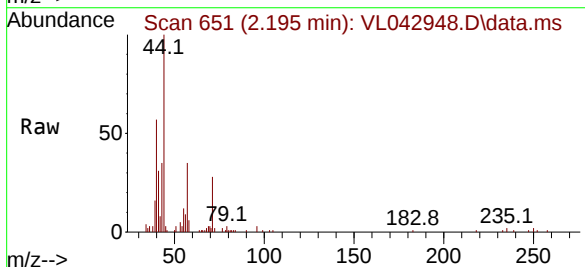
Instrument :
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ClientSampleId :

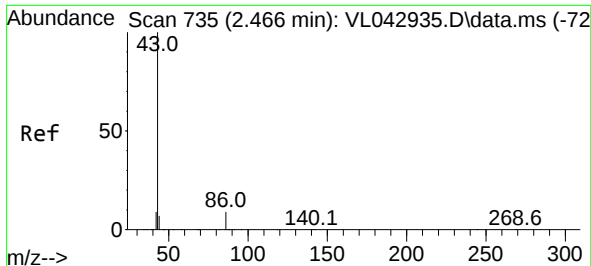
Tgt Ion:	84	Resp:	5662
Ion	Ratio	Lower	Upper
84	100		
49	149.4	121.8	182.6
51	44.9	35.6	53.4
86	69.8	53.4	80.2



#21
Allyl Chloride
Concen: 0.145 ppbv
RT: 2.195 min Scan# 651
Delta R.T. 0.097 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

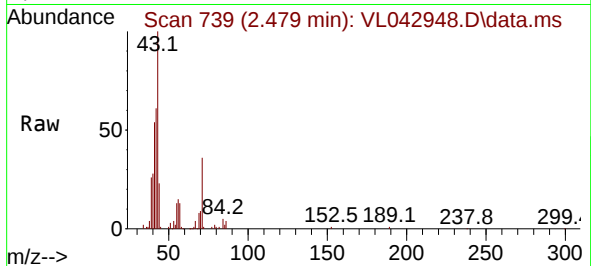
Tgt Ion:	41	Resp:	2067
Ion	Ratio	Lower	Upper
41	100		
76	1136.3	23.8	35.6#
39	0.0	63.2	94.8#



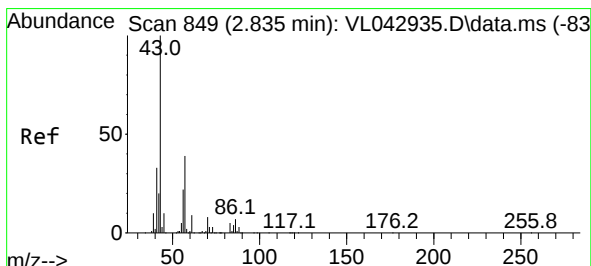
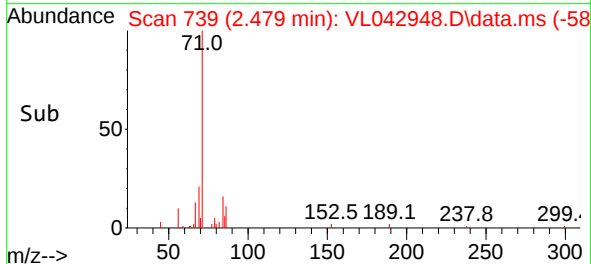
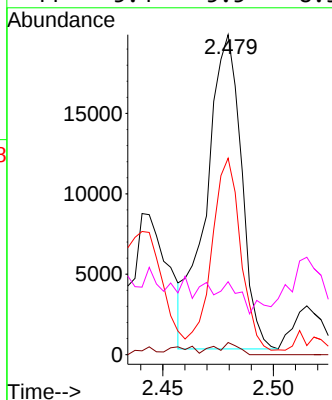


#23
 Vinyl Acetate
 Concen: 0.883 ppbv
 RT: 2.479 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL042948.D
 Acq: 18 Sep 2025 16:30

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 ClientSampleId :

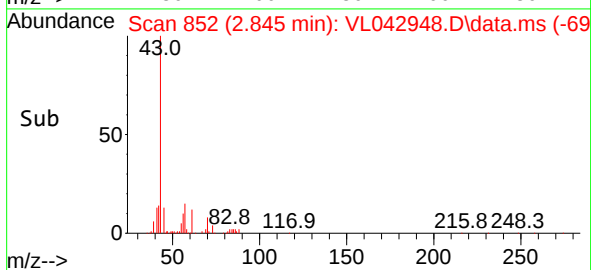
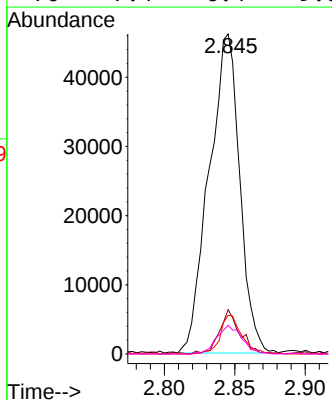
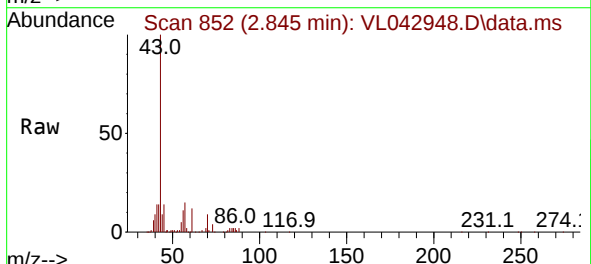


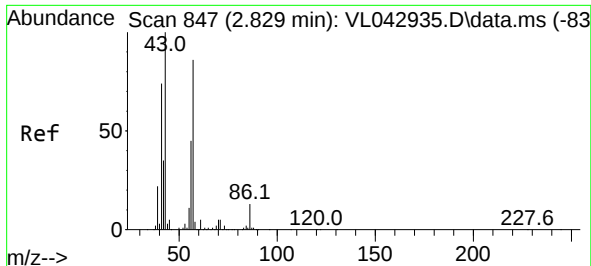
Tgt Ion:	43	Resp:	21562
Ion	Ratio	Lower	Upper
43	100		
86	3.9	6.4	9.6#
42	61.0	7.5	11.3#
44	5.4	5.5	8.3#



#25
 Ethyl Acetate
 Concen: 1.558 ppbv
 RT: 2.845 min Scan# 852
 Delta R.T. 0.010 min
 Lab File: VL042948.D
 Acq: 18 Sep 2025 16:30

Tgt Ion:	43	Resp:	69904
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	8.5	7.2	10.8
70	7.4	6.4	9.6

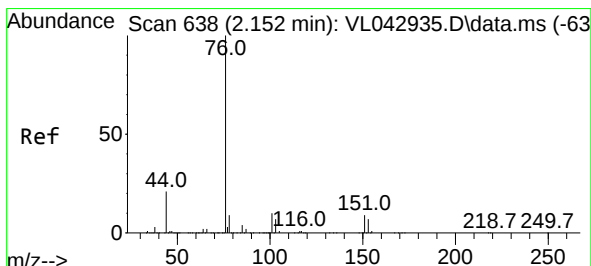
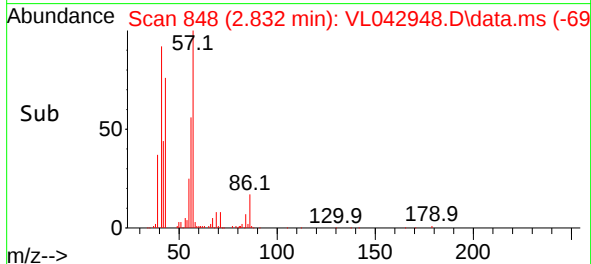
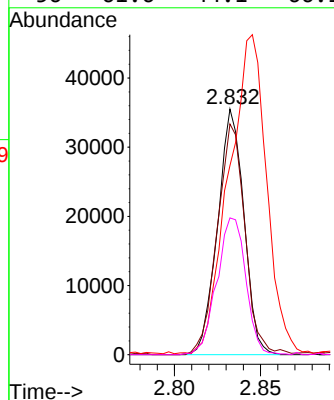
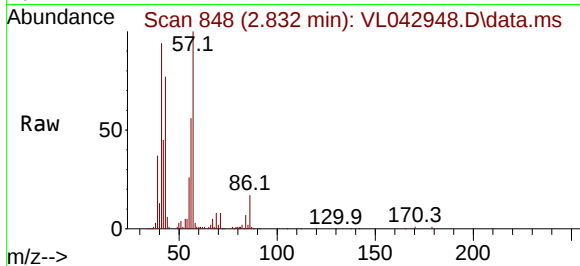




#26
Hexane
Concen: 1.958 ppbv
RT: 2.832 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

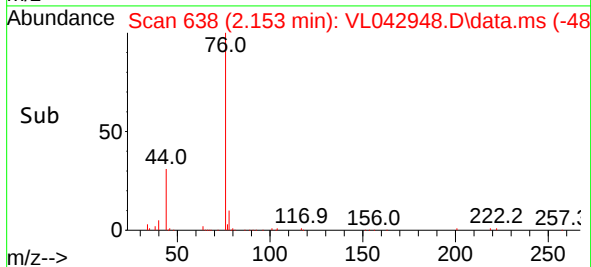
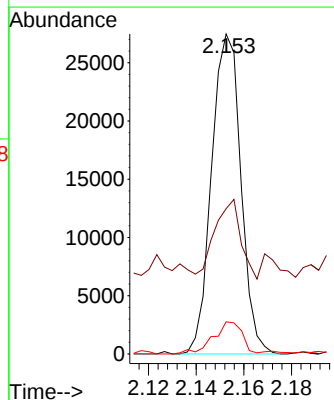
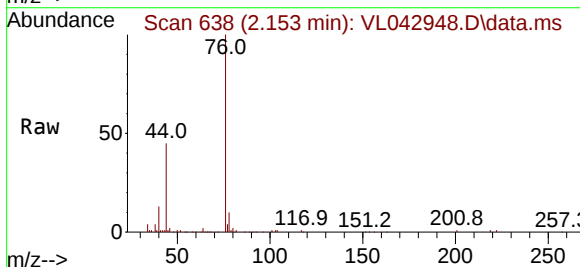
Instrument :
MSVOA_L
ClientSampleId :

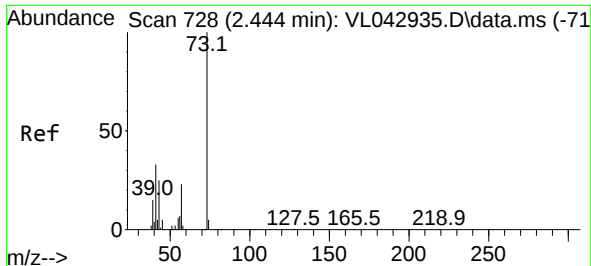
Tgt Ion: 57 Resp: 37699
Ion Ratio Lower Upper
57 100
41 100.1 71.3 106.9
43 188.3 183.9 275.9
56 61.6 44.1 66.1



#27
Carbon Disulfide
Concen: 0.986 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.000 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion: 76 Resp: 23428
Ion Ratio Lower Upper
76 100
44 19.5 15.4 23.0
78 11.3 9.1 13.7

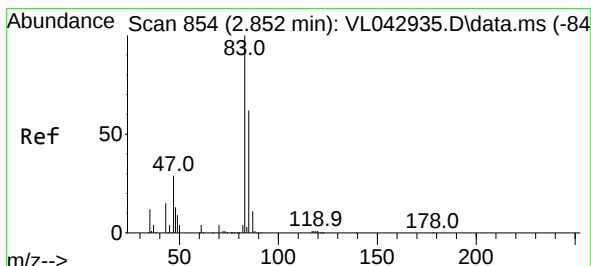
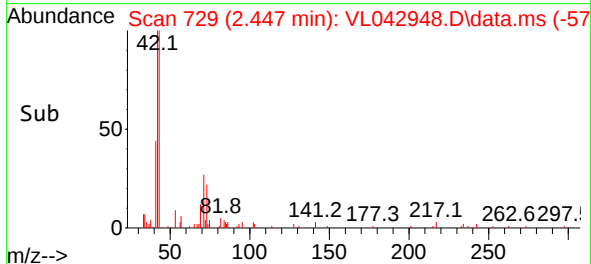
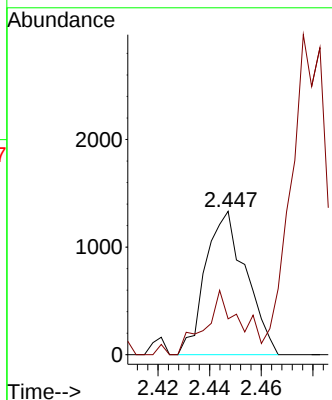
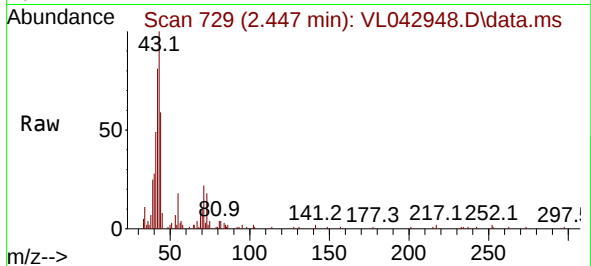




#28
Methyl tert-Butyl Ether
Concen: 0.137 ppbv
RT: 2.447 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

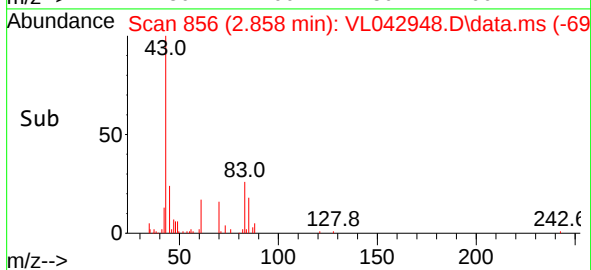
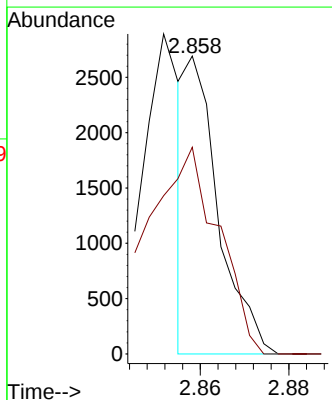
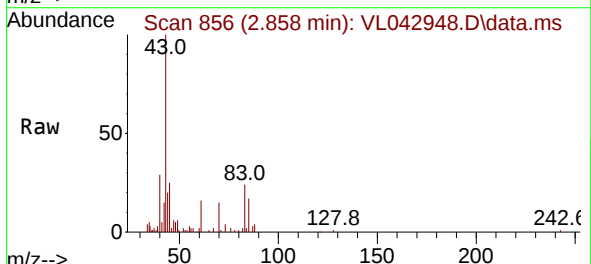
Instrument :
MSVOA_L
ClientSampleId :

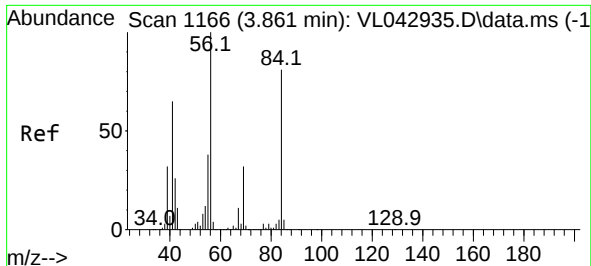
Tgt Ion: 73 Resp: 1454
Ion Ratio Lower Upper
73 100
57 249.9 18.6 28.0#



#29
Chloroform
Concen: 0.043 ppbv
RT: 2.858 min Scan# 856
Delta R.T. 0.007 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion: 83 Resp: 1365
Ion Ratio Lower Upper
83 100
85 69.4 49.7 74.5

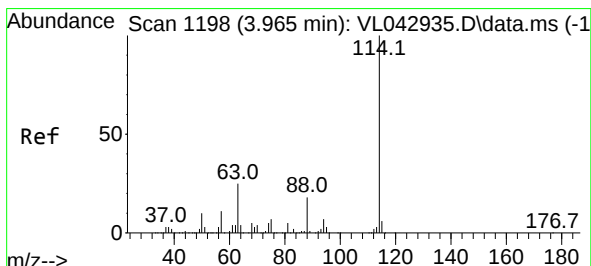
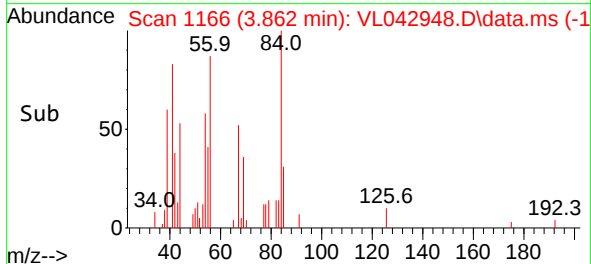
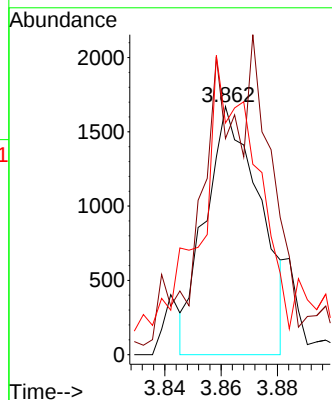
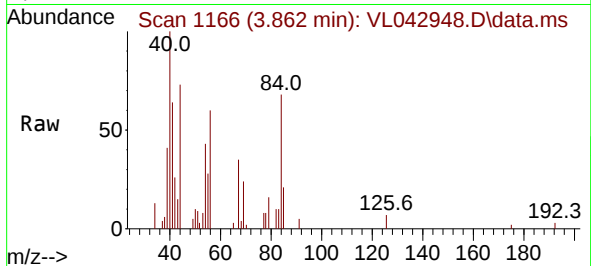




#30
Cyclohexane
Concen: 0.155 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

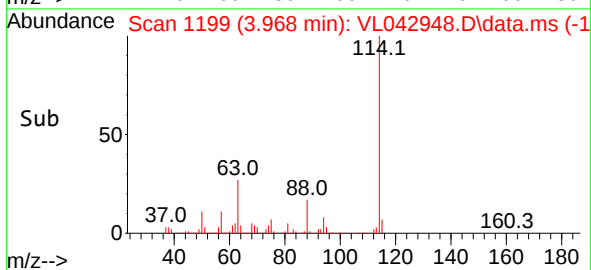
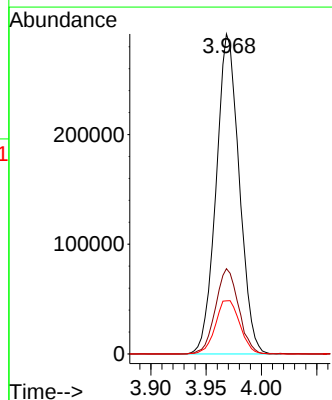
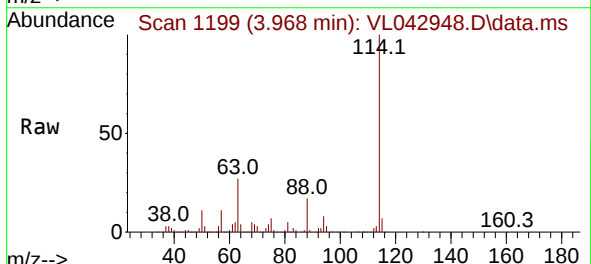
Instrument :
MSVOA_L
ClientSampleId :

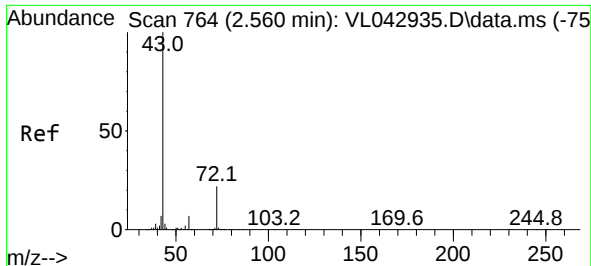
Tgt Ion: 84 Resp: 2242
Ion Ratio Lower Upper
84 100
56 0.0 100.6 150.8#
41 134.3 65.4 98.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.003 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion: 114 Resp: 423347
Ion Ratio Lower Upper
114 100
63 26.8 21.1 31.7
88 17.7 14.6 22.0

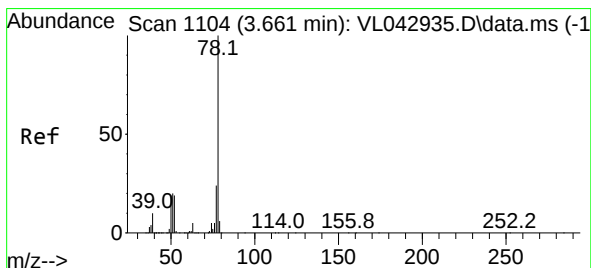
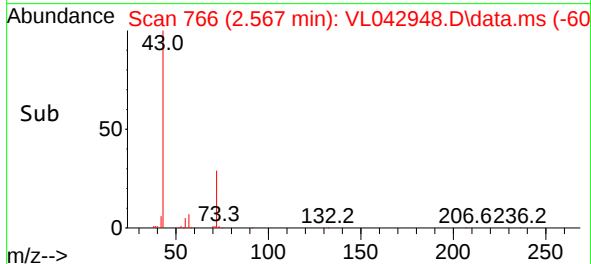
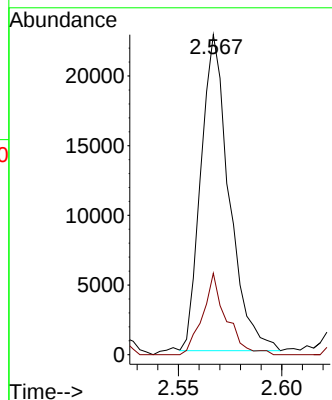
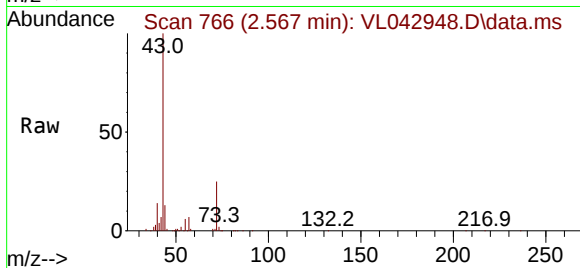




#34
2-Butanone
Concen: 0.788 ppbv
RT: 2.567 min Scan# 71
Delta R.T. 0.007 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

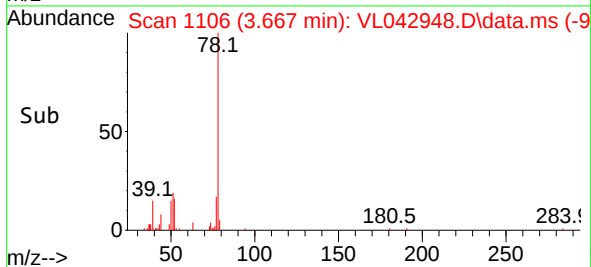
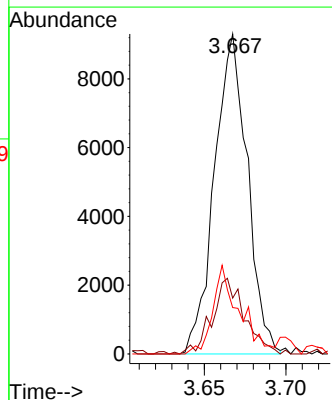
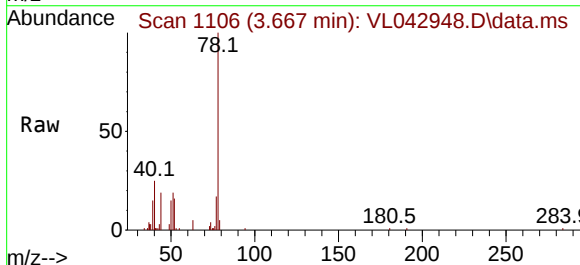
Instrument :
MSVOA_L
ClientSampleId :

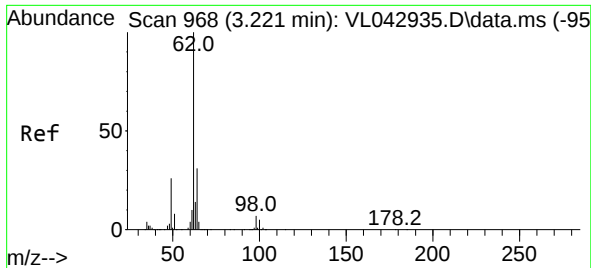
Tgt Ion: 43 Resp: 21632
Ion Ratio Lower Upper
43 100
72 21.4 17.2 25.8



#36
Benzene
Concen: 0.353 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.007 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion: 78 Resp: 13033
Ion Ratio Lower Upper
78 100
77 17.4 19.2 28.8#
50 14.5 14.8 22.2#

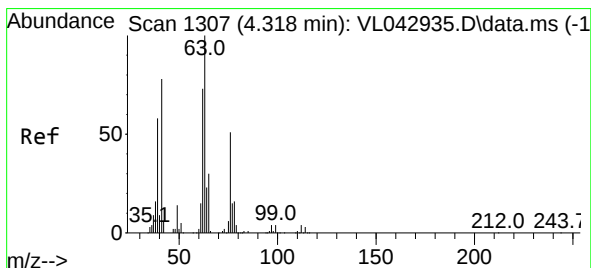
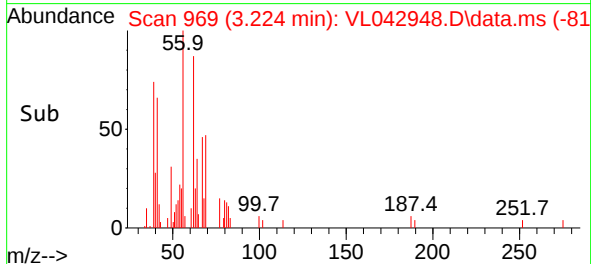
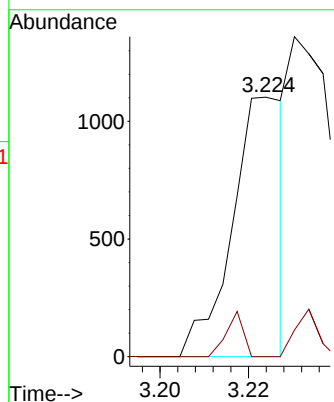
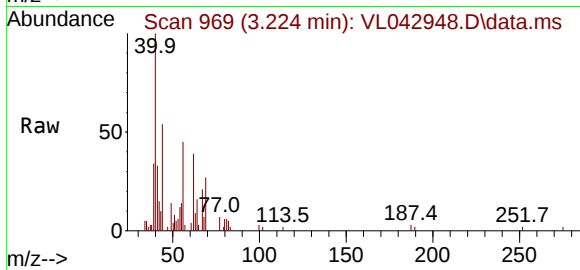




#37
1,2-Dichloroethane
Concen: 0.040 ppbv
RT: 3.224 min Scan# 90
Delta R.T. 0.003 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

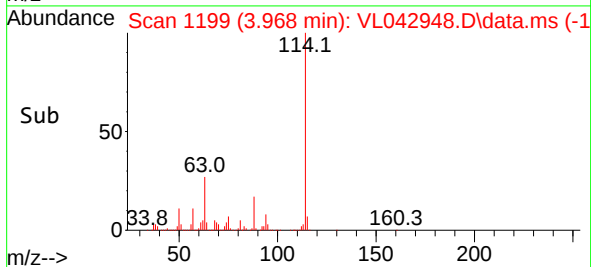
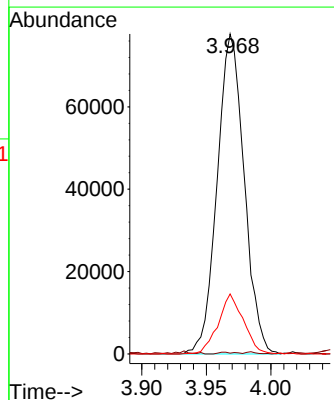
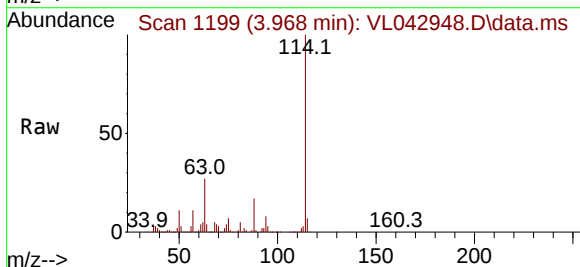
Instrument :
MSVOA_L
ClientSampleId :

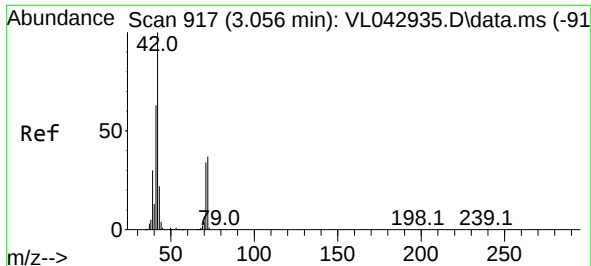
Tgt Ion: 62 Resp: 892
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#



#39
1,2-Dichloropropane
Concen: 7.569 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.349 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion: 63 Resp: 112953
Ion Ratio Lower Upper
63 100
41 0.7 62.7 94.1#
62 18.7 58.4 87.6#

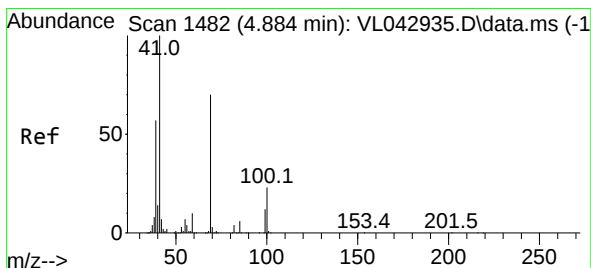
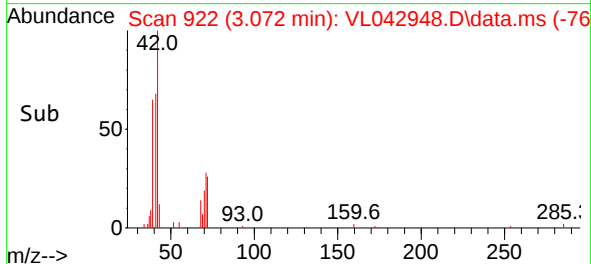
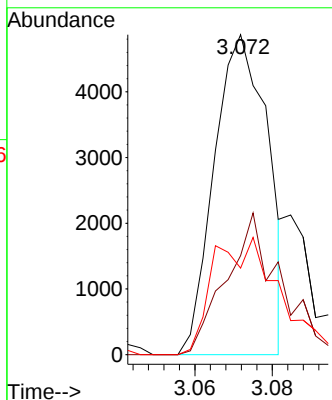
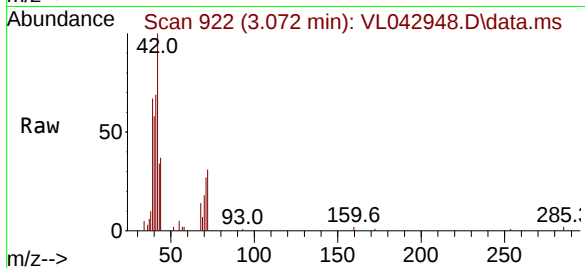




#41
Tetrahydrofuran
Concen: 0.345 ppbv
RT: 3.072 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

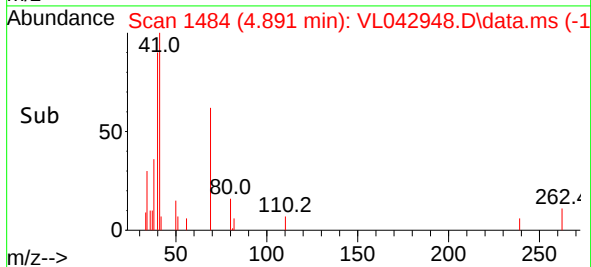
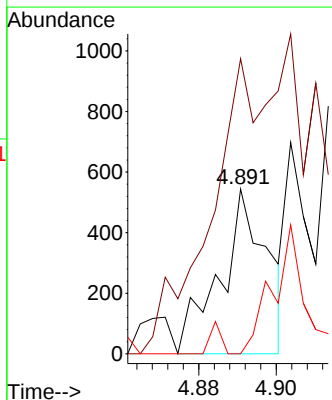
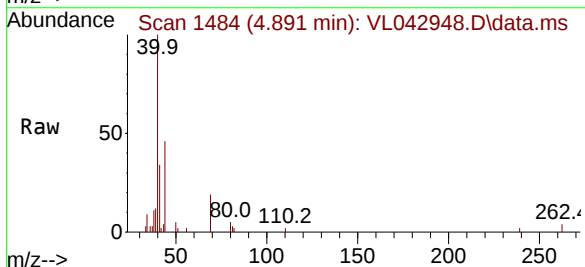
Instrument :
MSVOA_L
ClientSampleId :

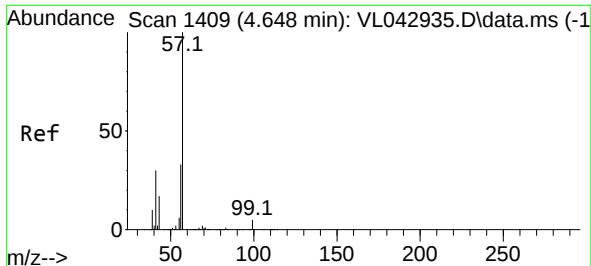
Tgt Ion: 42 Resp: 4682
Ion Ratio Lower Upper
42 100
72 47.4 30.4 45.6#
71 48.5 28.3 42.5#



#43
Methyl Methacrylate
Concen: 0.037 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. 0.007 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion: 69 Resp: 456
Ion Ratio Lower Upper
69 100
41 0.0 118.6 178.0#
100 0.0 26.2 39.4#





#44

2,2,4-Trimethylpentane

Concen: 0.352 ppbv

RT: 4.651 min Scan# 1409

Delta R.T. 0.003 min

Lab File: VL042948.D

Acq: 18 Sep 2025 16:30

Instrument :

MSVOA_L

ClientSampleId :

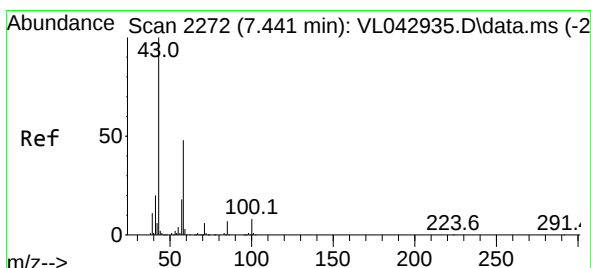
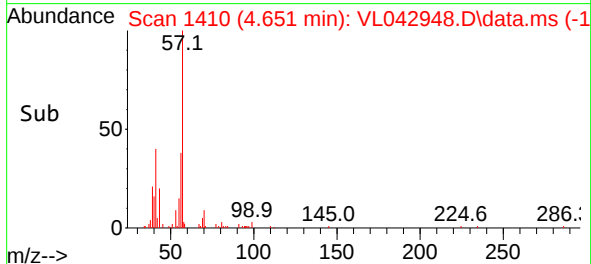
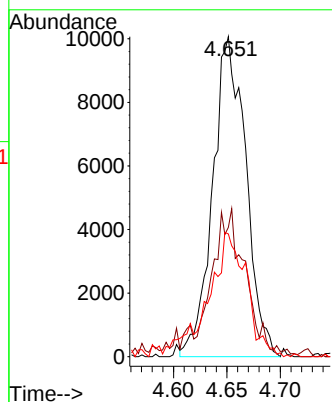
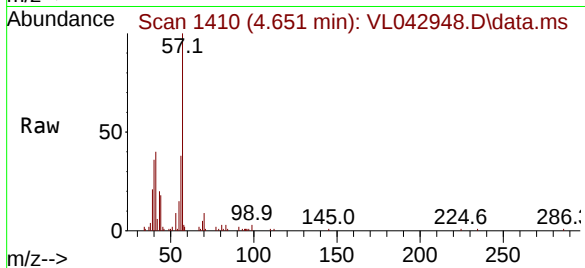
Tgt Ion: 57 Resp: 21694

Ion Ratio Lower Upper

57 100

41 53.7 25.8 38.6#

56 47.1 26.2 39.4#



#51

2-Hexanone

Concen: 0.066 ppbv

RT: 7.435 min Scan# 2270

Delta R.T. -0.006 min

Lab File: VL042948.D

Acq: 18 Sep 2025 16:30

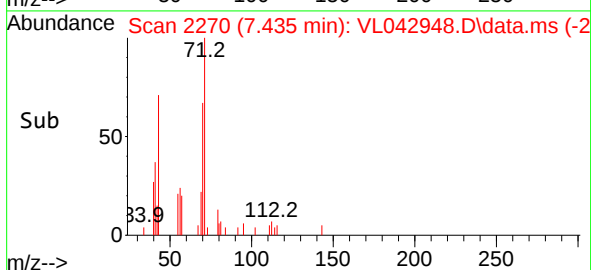
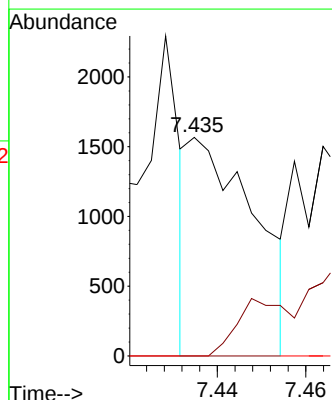
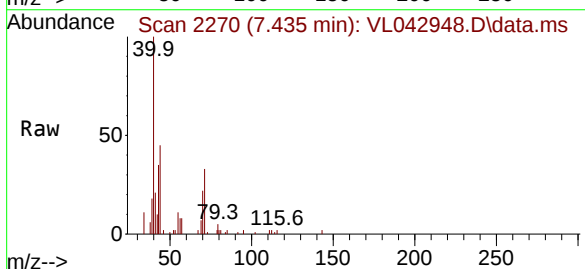
Tgt Ion: 43 Resp: 1613

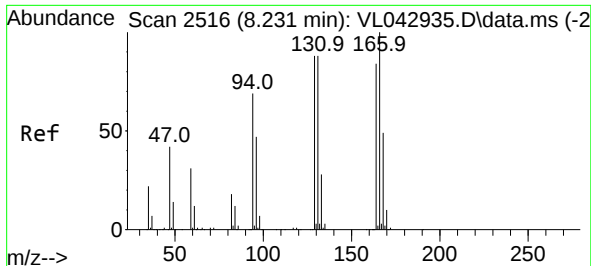
Ion Ratio Lower Upper

43 100

58 0.0 37.9 56.9#

98 0.0 0.7 1.1#

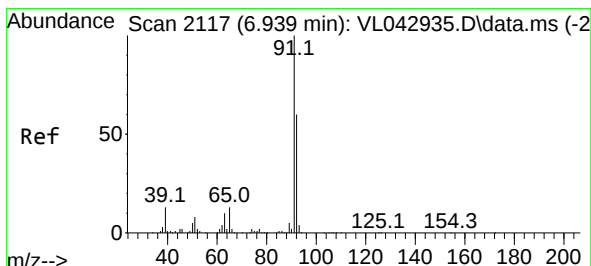
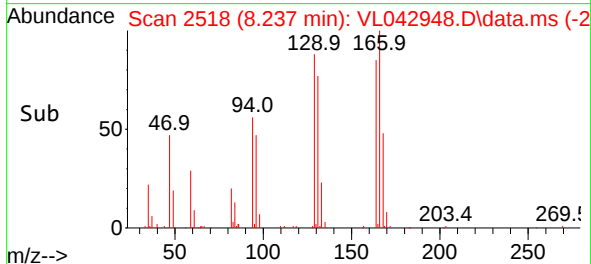
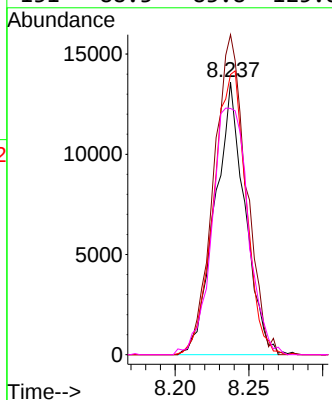
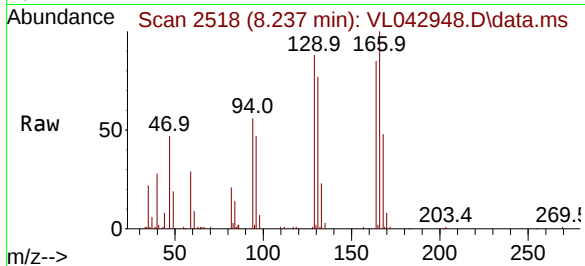




#52
Tetrachloroethene
Concen: 1.688 ppbv
RT: 8.237 min Scan# 2110
Delta R.T. 0.007 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

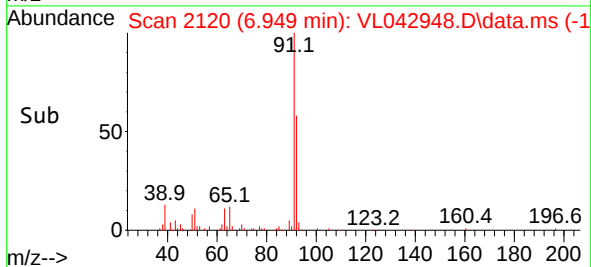
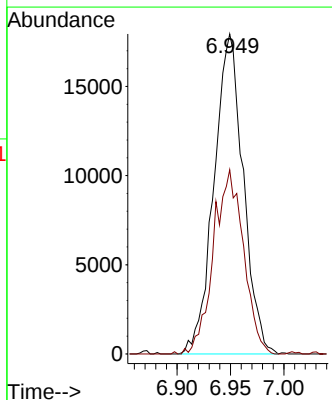
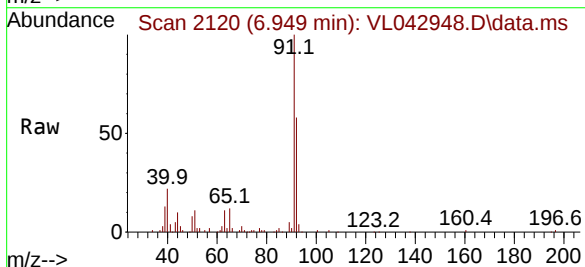
Instrument :
MSVOA_L
ClientSampleId :

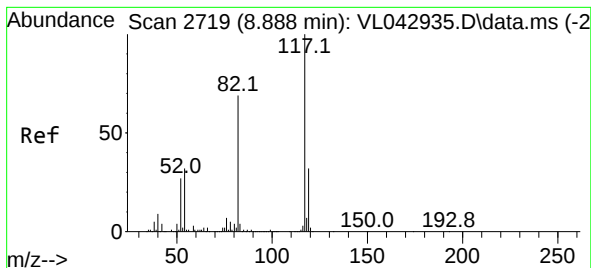
Tgt Ion:	164	Resp:	19222
Ion	Ratio	Lower	Upper
164	100		
166	117.5	95.4	143.0
129	102.4	84.0	126.0
131	88.3	83.8	125.8



#53
Toluene
Concen: 0.991 ppbv
RT: 6.949 min Scan# 2120
Delta R.T. 0.010 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion:	91	Resp:	34133
Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.4	71.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042948.D

Acq: 18 Sep 2025 16:30

Instrument :

MSVOA_L

ClientSampleId :

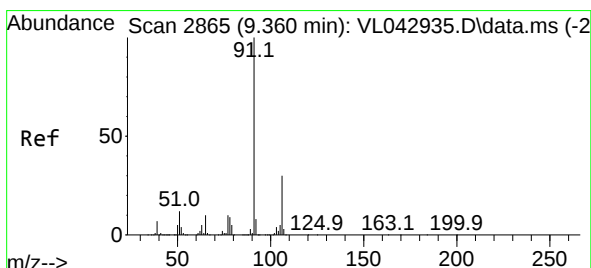
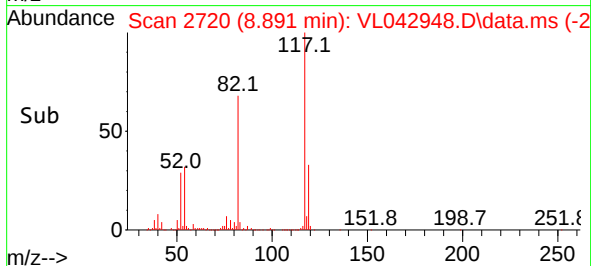
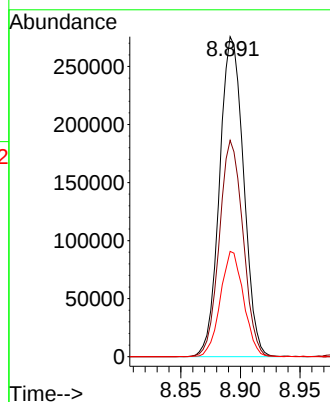
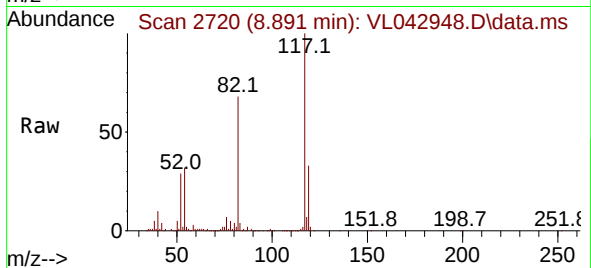
Tgt Ion:117 Resp: 385900

Ion Ratio Lower Upper

117 100

82 66.8 56.1 84.1

119 31.9 25.8 38.8



#58

Ethyl Benzene

Concen: 0.121 ppbv

RT: 9.364 min Scan# 2866

Delta R.T. 0.003 min

Lab File: VL042948.D

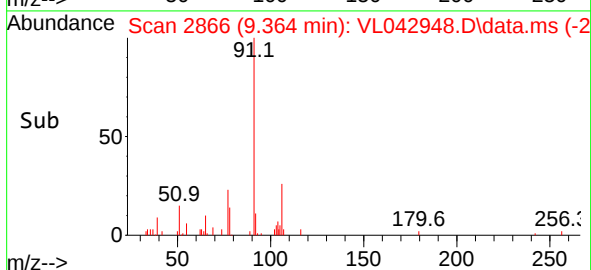
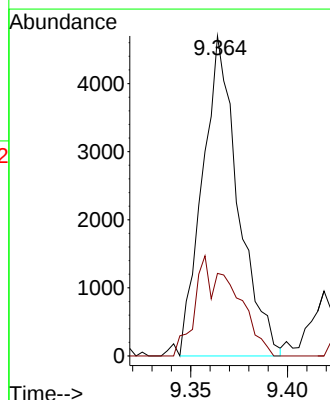
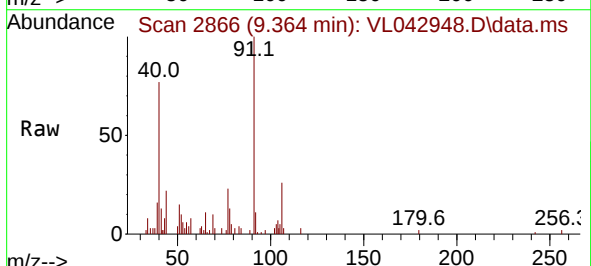
Acq: 18 Sep 2025 16:30

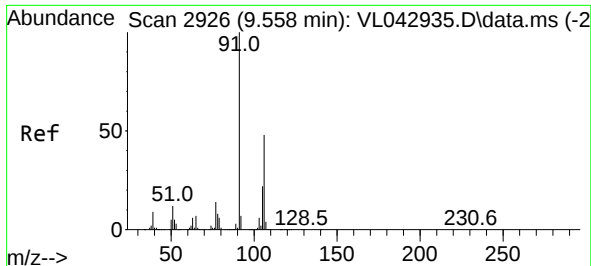
Tgt Ion: 91 Resp: 6026

Ion Ratio Lower Upper

91 100

106 25.8 24.2 36.4





#59

m/p-Xylene

Concen: 0.054 ppbv

RT: 9.564 min Scan# 2921

Delta R.T. 0.007 min

Lab File: VL042948.D

Acq: 18 Sep 2025 16:30

Instrument :

MSVOA_L

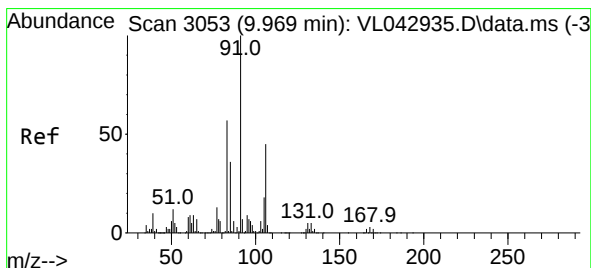
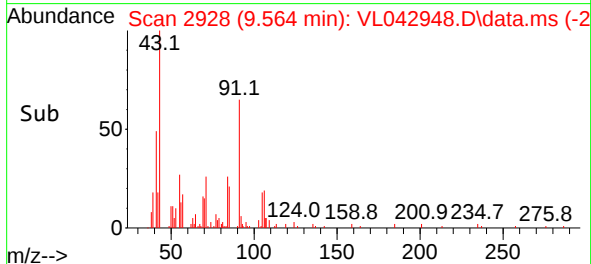
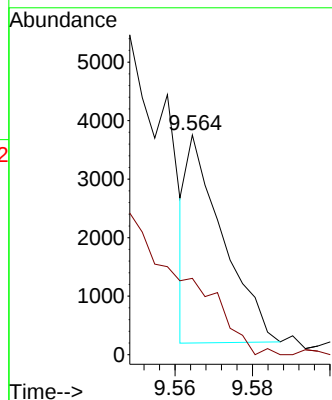
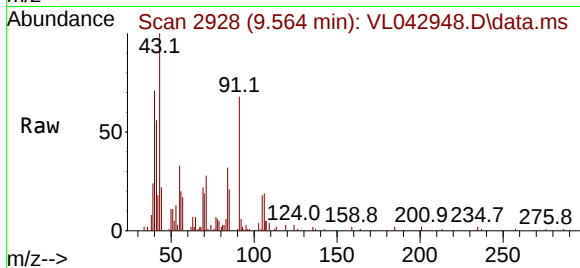
ClientSampleId :

Tgt Ion: 91 Resp: 2272

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.0#



#60

o-Xylene

Concen: 0.220 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. -0.427 min

Lab File: VL042948.D

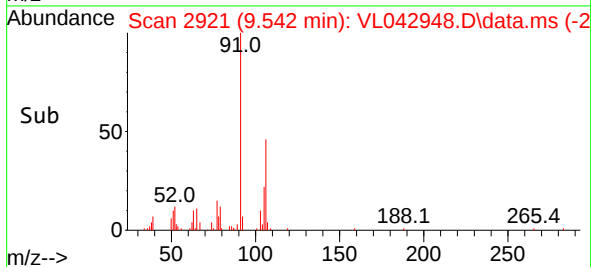
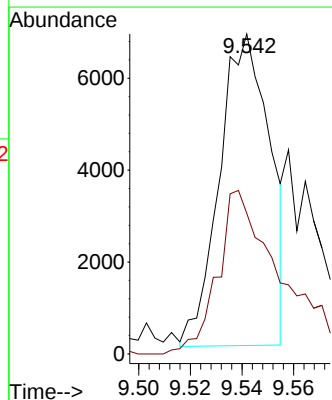
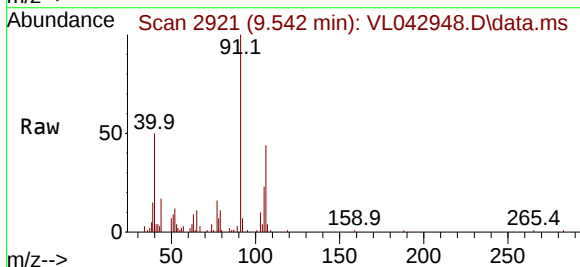
Acq: 18 Sep 2025 16:30

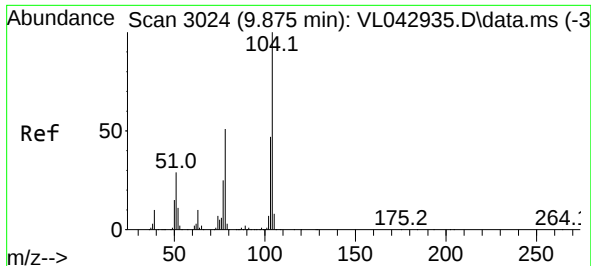
Tgt Ion: 91 Resp: 9192

Ion Ratio Lower Upper

91 100

106 64.8 22.1 66.5

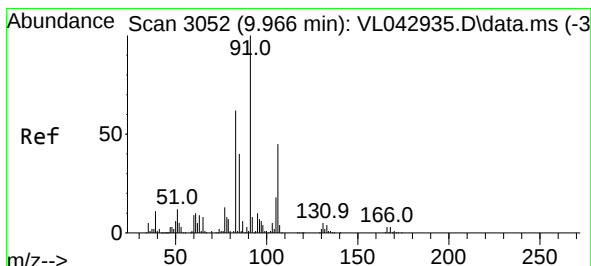
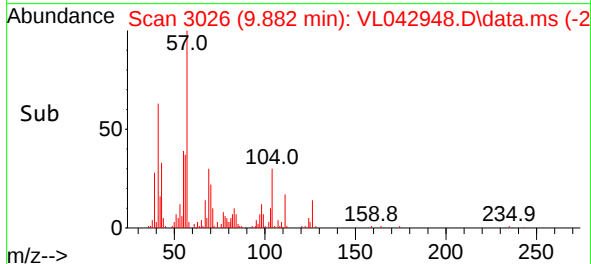
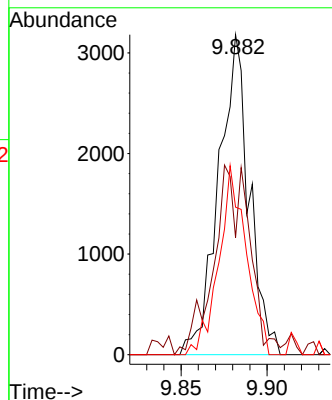
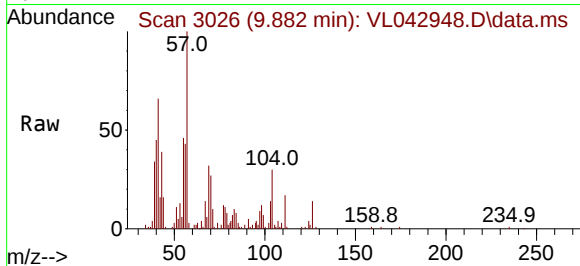




#61
Styrene
Concen: 0.715 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. 0.007 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

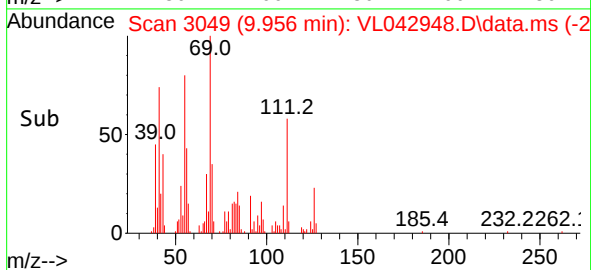
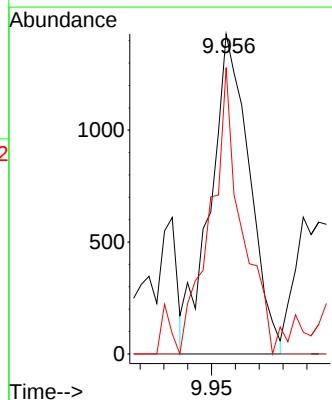
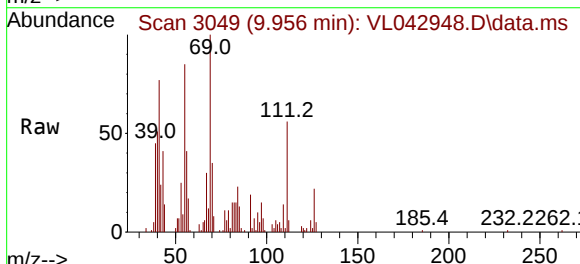
Instrument :
MSVOA_L
ClientSampleId :

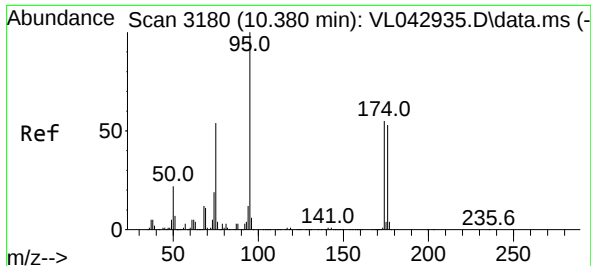
Tgt Ion:104 Resp: 3931
Ion Ratio Lower Upper
104 100
78 74.9 40.2 60.2#
103 55.4 36.8 55.2#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.054 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.010 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion: 83 Resp: 1622
Ion Ratio Lower Upper
83 100
131 0.0 4.2 12.6#
85 75.0 32.6 98.0

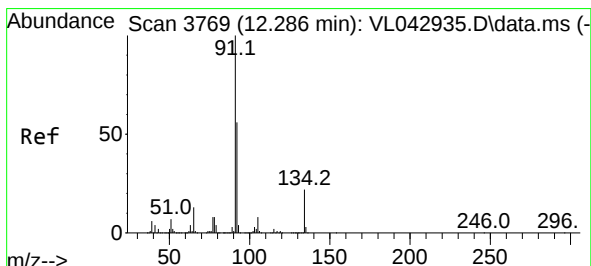
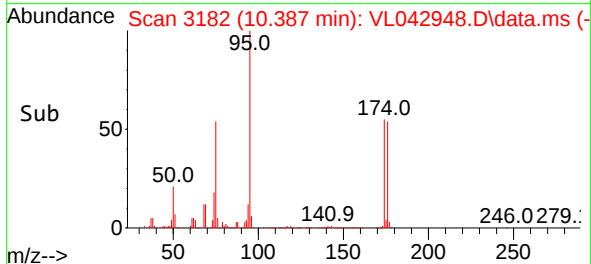
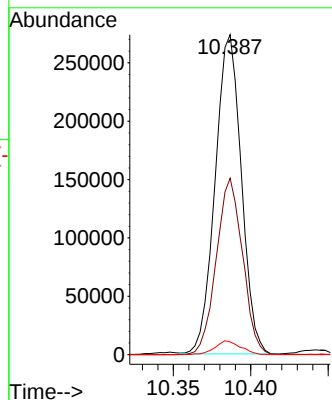
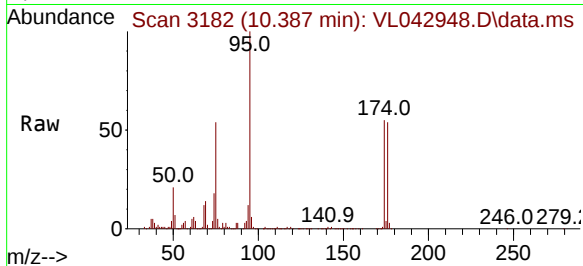




#68
1-Bromo-4-Fluorobenzene
Concen: 10.661 ppbv
RT: 10.387 min Scan# 3180
Delta R.T. 0.007 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

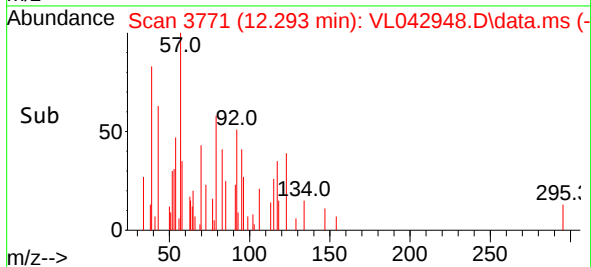
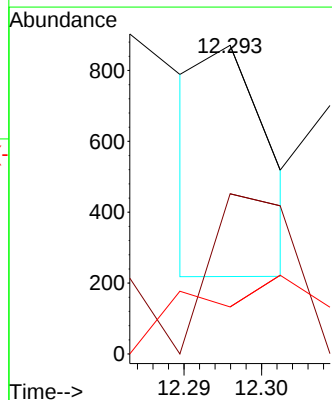
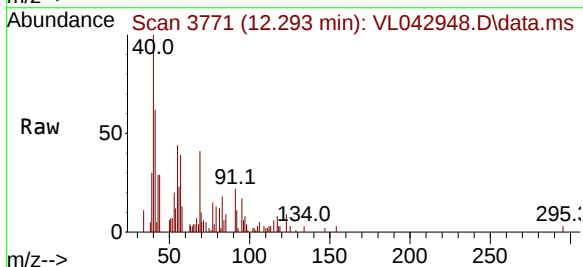
Instrument :
MSVOA_L
ClientSampleId :

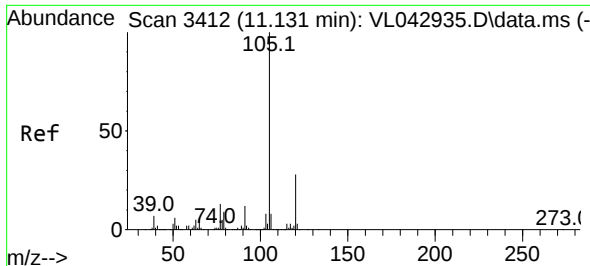
Tgt Ion: 95 Resp: 321561
Ion Ratio Lower Upper
95 100
174 55.4 44.9 67.3
175 4.3 3.3 4.9



#70
n-Butylbenzene
Concen: 0.304 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. 0.007 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

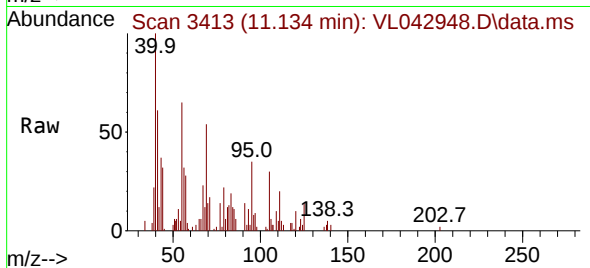
Tgt Ion: 91 Resp: 185
Ion Ratio Lower Upper
91 100
92 295.7 43.8 65.8#
134 0.0 17.3 25.9#



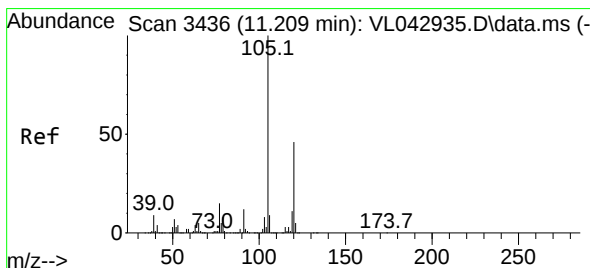
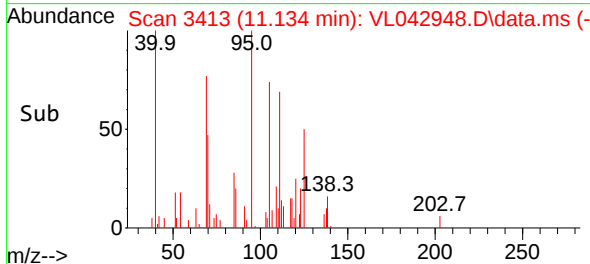
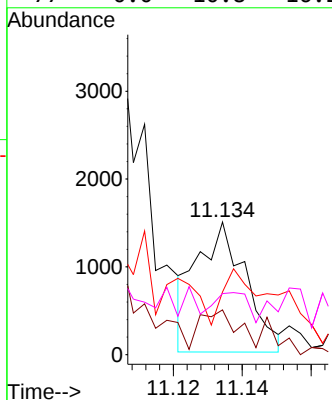


#72
4-Ethyltoluene
Concen: 0.384 ppbv
RT: 11.134 min Scan# 3412
Delta R.T. 0.003 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Instrument :
MSVOA_L
ClientSampleId :

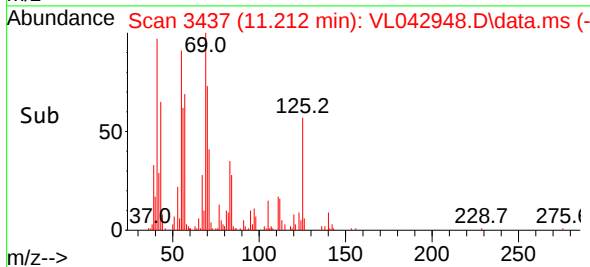
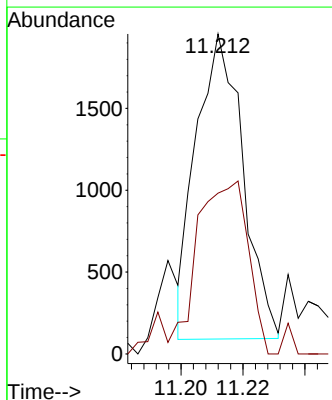
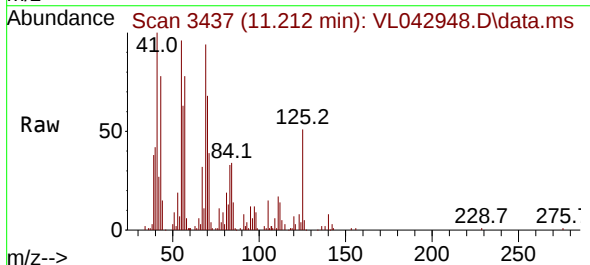


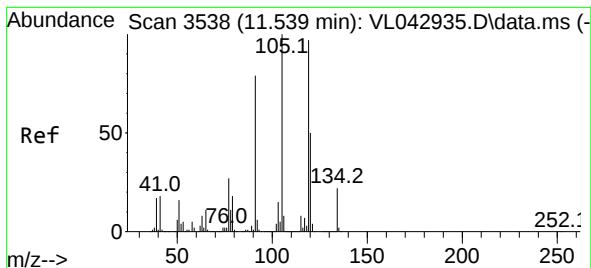
Tgt Ion:105 Resp: 1470
Ion Ratio Lower Upper
105 100
120 0.0 23.1 34.7#
91 43.1 10.4 15.6#
77 0.0 10.8 16.2#



#73
1,3,5-Trimethylbenzene
Concen: 0.047 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.003 min
Lab File: VL042948.D
Acq: 18 Sep 2025 16:30

Tgt Ion:105 Resp: 1950
Ion Ratio Lower Upper
105 100
120 74.6 37.0 55.6#





#74

1,2,4-Trimethylbenzene

Concen: 0.096 ppbv

RT: 11.545 min Scan# 3538

Delta R.T. 0.007 min

Lab File: VL042948.D

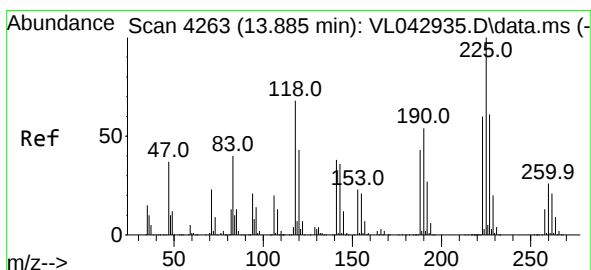
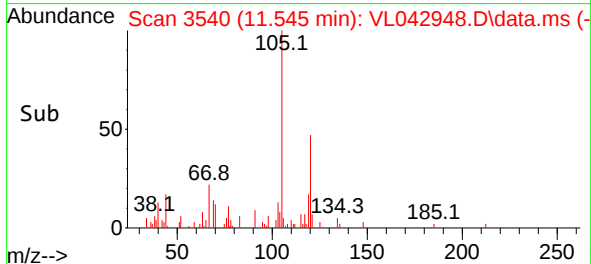
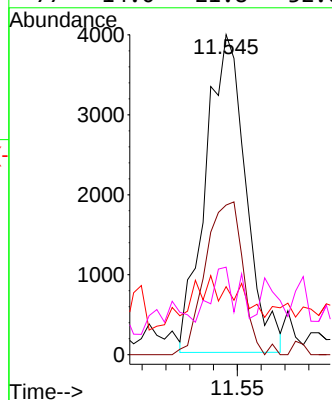
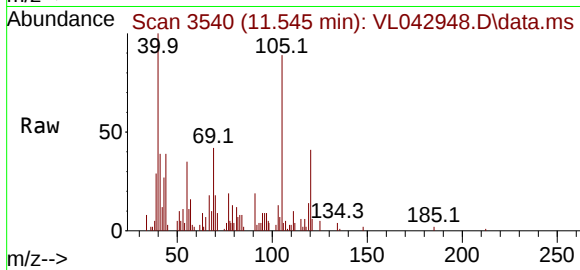
Acq: 18 Sep 2025 16:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	105	Resp:	4652
Ion Ratio	Lower	Upper	
105	100		
120	46.5	39.8	59.6
91	9.1	63.1	94.7#
77	14.0	21.8	32.6#



#78

Hexachloro-1,3-Butadiene

Concen: 0.045 ppbv

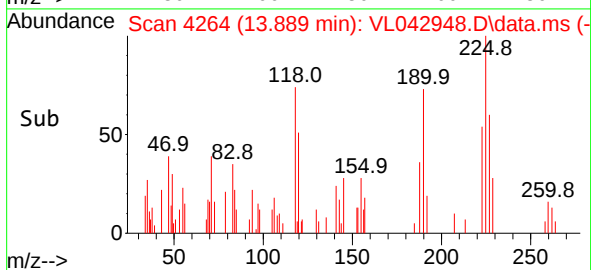
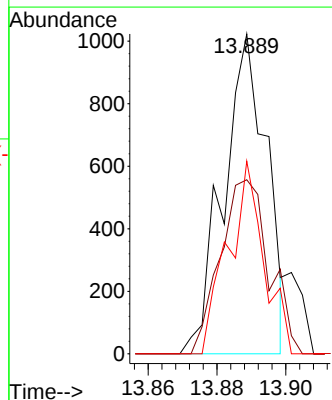
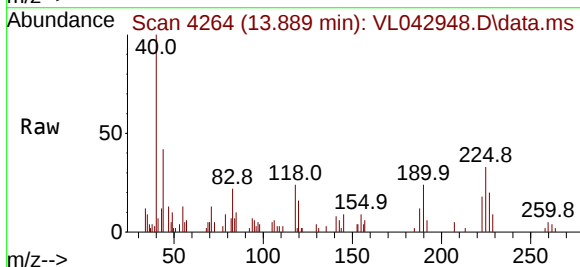
RT: 13.889 min Scan# 4264

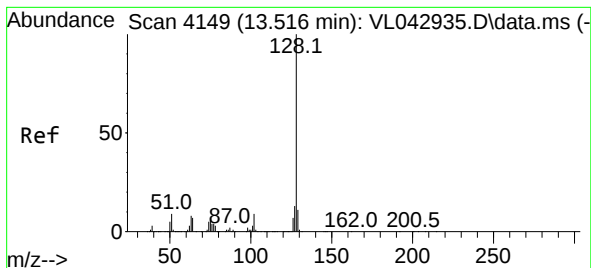
Delta R.T. 0.003 min

Lab File: VL042948.D

Acq: 18 Sep 2025 16:30

Tgt Ion:	225	Resp:	893
Ion Ratio	Lower	Upper	
225	100		
223	61.3	50.6	76.0
227	49.7	50.5	75.7#





#79

Naphthalene

Concen: 0.372 ppbv

RT: 13.520 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL042948.D

Acq: 18 Sep 2025 16:30

Instrument :

MSVOA_L

ClientSampleId :

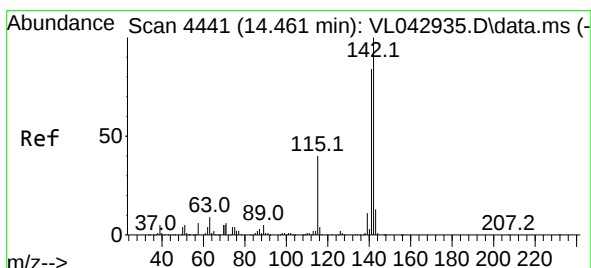
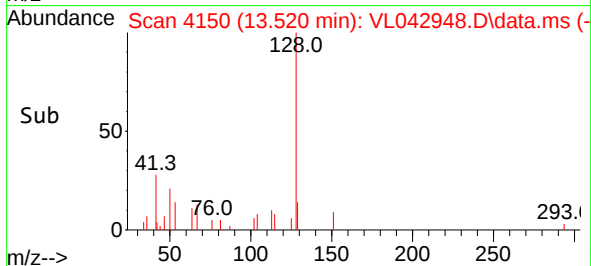
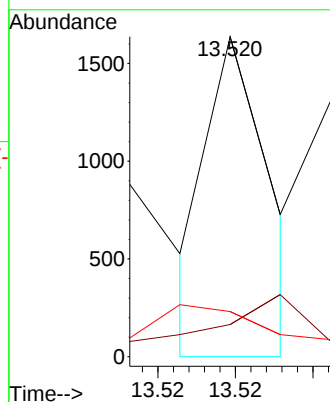
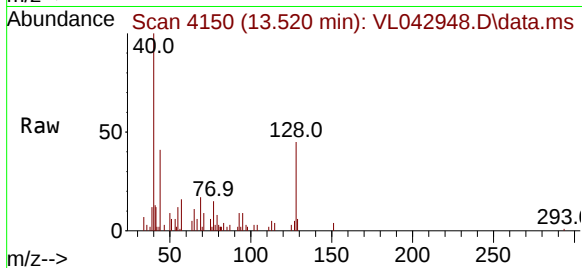
Tgt Ion:128 Resp: 459

Ion Ratio Lower Upper

128 100

127 4.7 10.3 15.5#

129 10.6 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 0.845 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.004 min

Lab File: VL042948.D

Acq: 18 Sep 2025 16:30

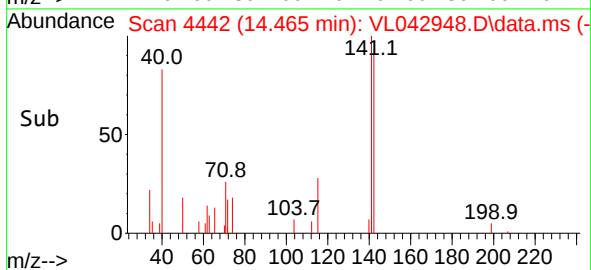
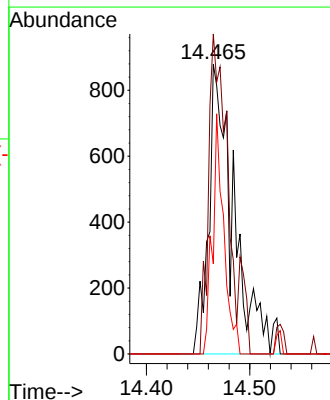
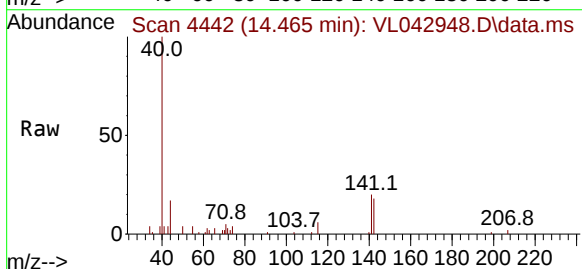
Tgt Ion:142 Resp: 1474

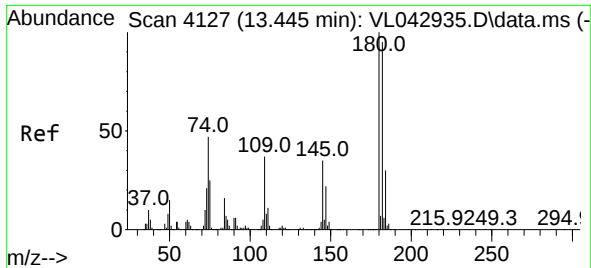
Ion Ratio Lower Upper

142 100

141 88.7 67.0 100.6

115 37.6 32.0 48.0





#81

1,2,4-Trichlorobenzene

Concen: 0.450 ppbv

RT: 13.452 min Scan# 41

Delta R.T. 0.007 min

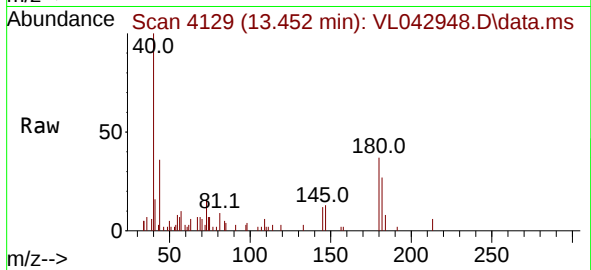
Lab File: VL042948.D

Acq: 18 Sep 2025 16:30

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 629

Ion Ratio Lower Upper

180 100

182 162.5 75.5 113.3#

184 39.7 24.6 37.0#

