

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042137.D
 Acq On : 10 Mar 2025 21:38
 Operator : SY/MD
 Sample : Q1533-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Mar 11 01:32:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	157696	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	369982	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	340317	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	289970	11.075	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.800%

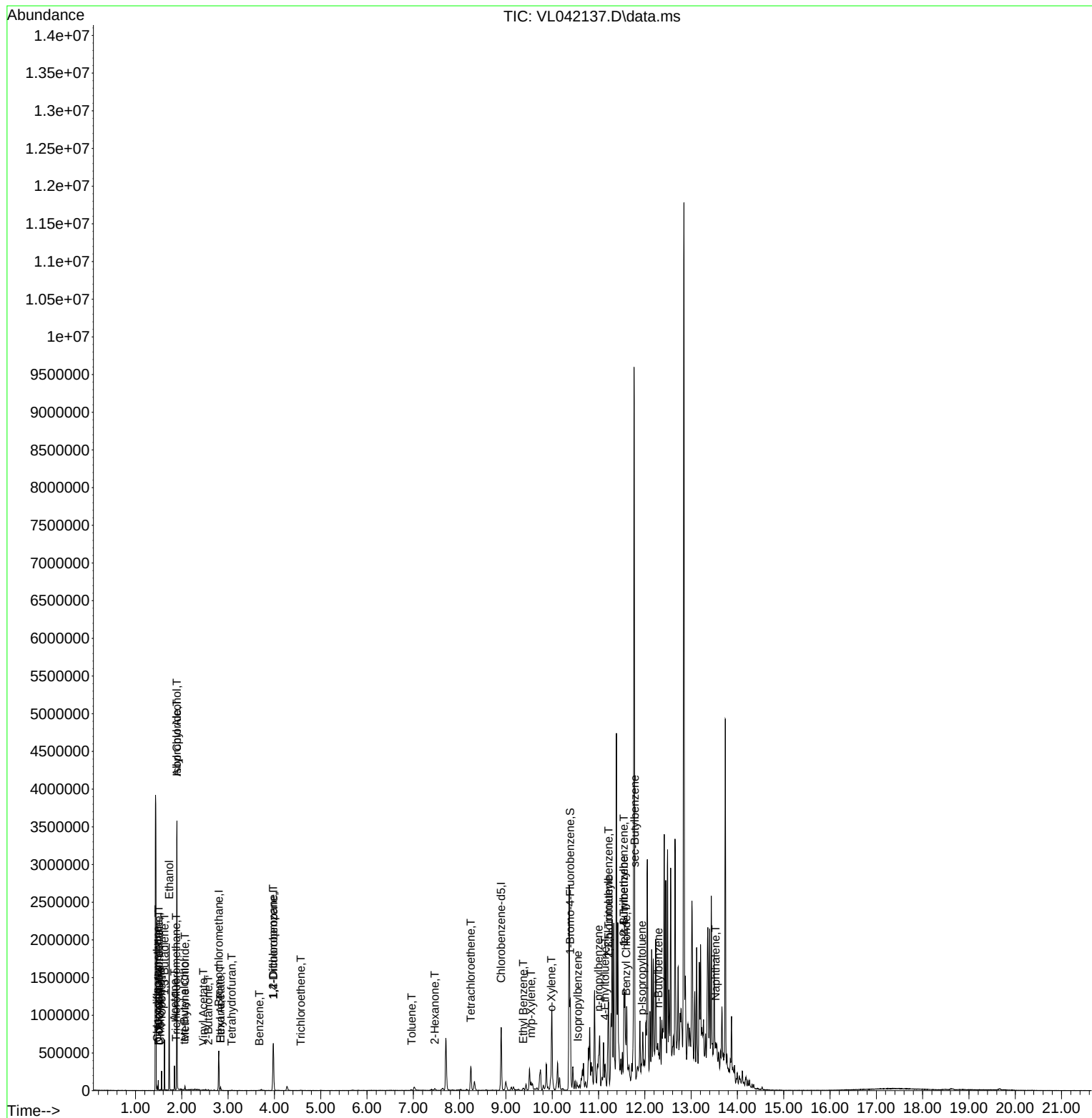
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	2295	0.140	ppbv	96
3) Chlorodifluoromethane	1.470	51	12758	0.557	ppbv #	67
4) Chloromethane	1.538	50	2456	0.405	ppbv	99
8) Dichlorotetrafluoroethane	1.502	85	2295	0.170	ppbv #	20
9) Propene	1.564	41	25517	2.733	ppbv	99
11) Trichlorofluoromethane	1.881	101	1033	0.063	ppbv	92
13) Ethanol	1.729	45	716267	1208.441	ppbv	93
15) Acetone	1.842	43	134002	9.622	ppbv	99
16) 1,3-Butadiene	1.625	39	31654	4.884	ppbv #	15
17) tert-Butyl alcohol	2.053	59	3033	0.174	ppbv #	93
19) Isopropyl Alcohol	1.894	45	1548394	193.561	ppbv #	33
20) Methylene Chloride	2.069	84	7260	1.378	ppbv	96
21) Allyl Chloride	1.894	41	166426	16.540	ppbv #	78
23) Vinyl Acetate	2.464	43	2057	0.210	ppbv #	41
25) Ethyl Acetate	2.839	43	7772	0.139	ppbv #	86
26) Hexane	2.839	57	7486	0.332	ppbv #	38
34) 2-Butanone	2.570	43	7508	0.260	ppbv	96
36) Benzene	3.674	78	2152	0.056	ppbv #	89
38) Trichloroethene	4.571	130	867	0.055	ppbv #	20
39) 1,2-Dichloropropane	3.975	63	94068	6.399	ppbv #	22
41) Tetrahydrofuran	3.079	42	1948	0.114	ppbv #	78
51) 2-Hexanone	7.461	43	12710	0.495	ppbv #	99
52) Tetrachloroethene	8.241	164	58846	4.438	ppbv	98
53) Toluene	6.963	91	2213	0.051	ppbv #	20
58) Ethyl Benzene	9.371	91	14280	0.228	ppbv	99
59) m/p-Xylene	9.542	91	50664	1.016	ppbv #	100
60) o-Xylene	9.979	91	34055	0.679	ppbv	96
62) Isopropylbenzene	10.552	105	14518	0.193	ppbv	95
64) n-propylbenzene	11.002	120	20689	1.050	ppbv	89
65) tert-Butylbenzene	11.549	119	50947	0.745	ppbv #	65
66) Benzyl Chloride	11.597	91	580	0.111	ppbv #	1
67) sec-Butylbenzene	11.782	105	60299	0.617	ppbv #	78
69) p-Isopropyltoluene	11.940	119	43993	0.566	ppbv	95
70) n-Butylbenzene	12.293	91	117905	1.485	ppbv #	68
71) 2-Chlorotoluene	11.215	91	13853	0.239	ppbv	98
72) 4-Ethyltoluene	11.138	105	87464	1.429	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.215	105	106051	1.997	ppbv	98
74) 1,2,4-Trimethylbenzene	11.549	105	448244	7.496	ppbv #	62
79) Naphthalene	13.526	128	24598	0.600	ppbv #	82

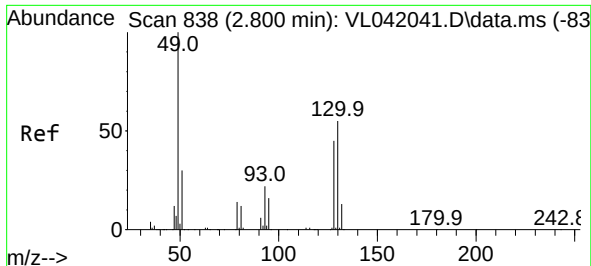
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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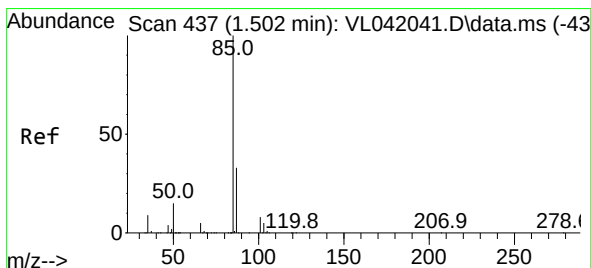
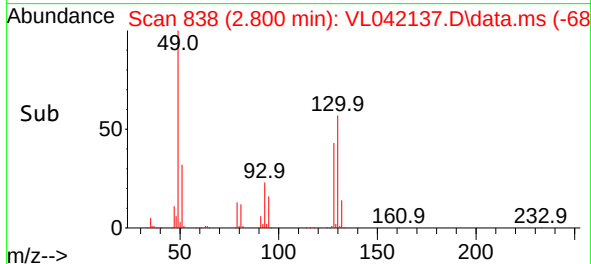
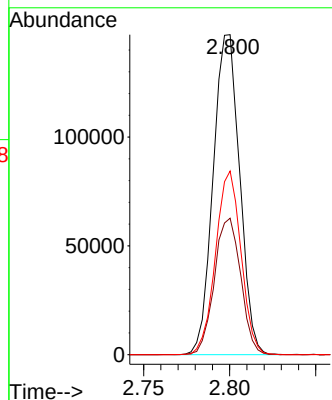
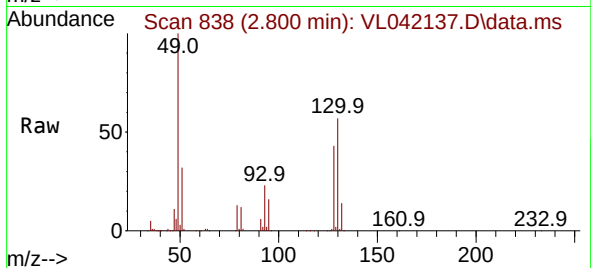




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

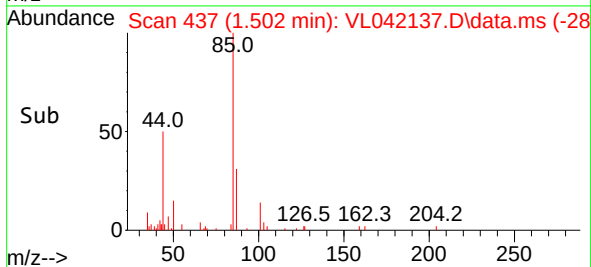
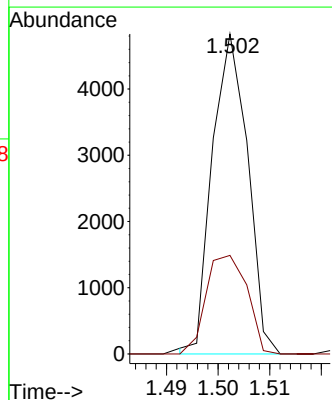
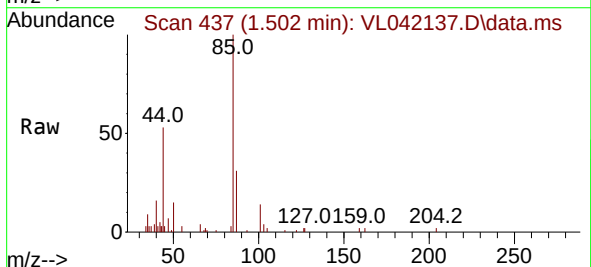
Instrument :
MSVOA_L
ClientSampleId :
SV2

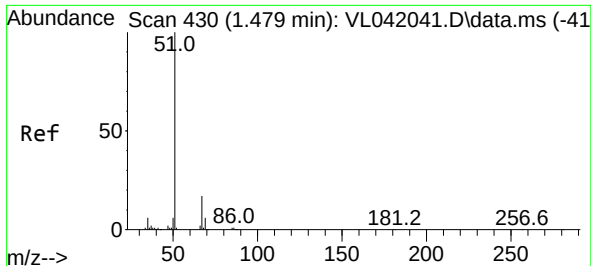
Tgt Ion: 49 Resp: 157696
Ion Ratio Lower Upper
49 100
128 42.5 21.6 64.8
130 55.0 27.8 83.4



#2
Dichlorodifluoromethane
Concen: 0.140 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion: 85 Resp: 2295
Ion Ratio Lower Upper
85 100
87 30.8 26.4 39.6

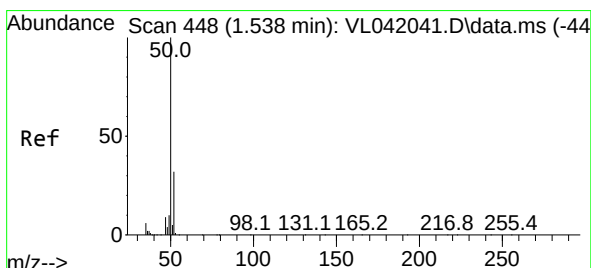
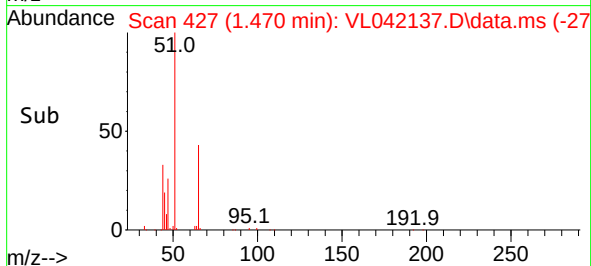
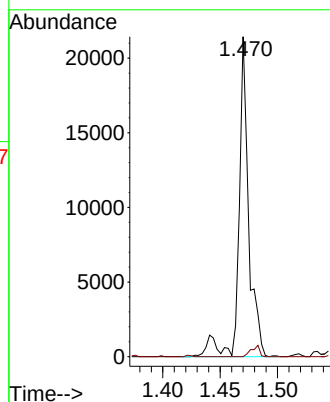
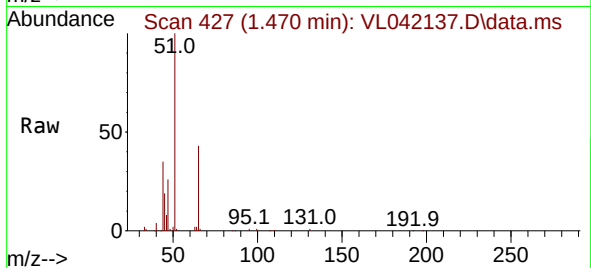




#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

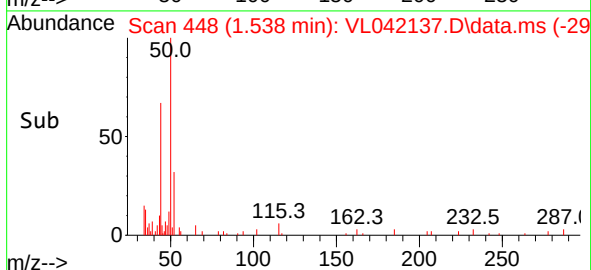
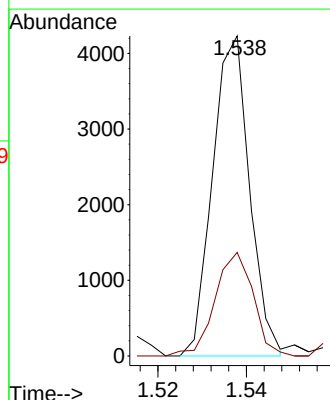
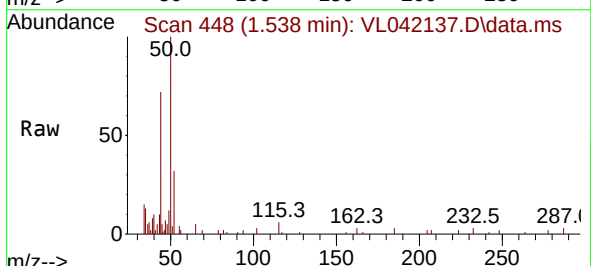
Instrument :
MSVOA_L
ClientSampleId :
SV2

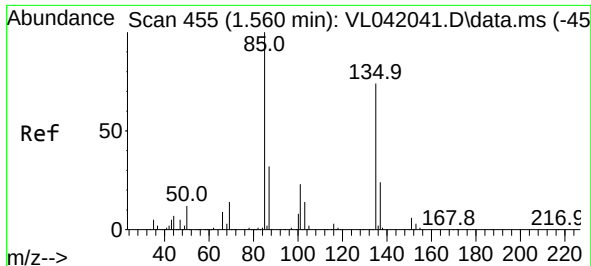
Tgt Ion: 51 Resp: 12758
Ion Ratio Lower Upper
51 100
67 3.0 13.7 20.5#



#4
Chloromethane
Concen: 0.405 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion: 50 Resp: 2456
Ion Ratio Lower Upper
50 100
52 31.1 25.4 38.0

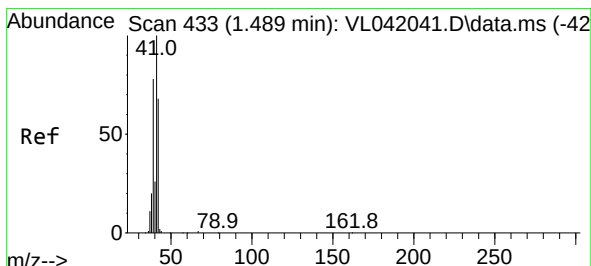
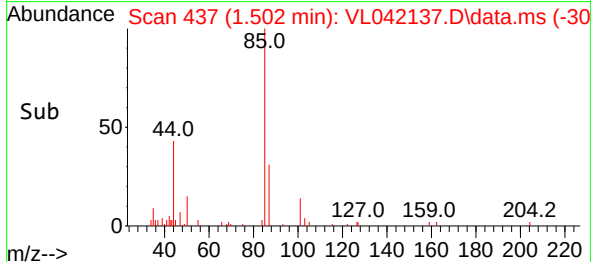
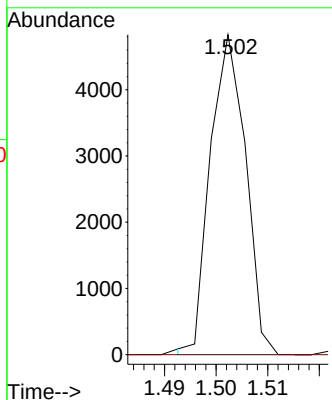
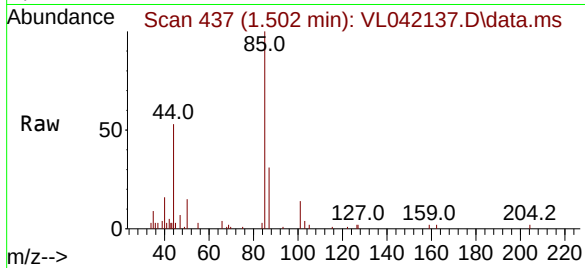




#8
 Dichlorotetrafluoroethane
 Concen: 0.170 ppbv
 RT: 1.502 min Scan# 41
 Delta R.T. -0.058 min
 Lab File: VL042137.D
 Acq: 10 Mar 2025 21:38

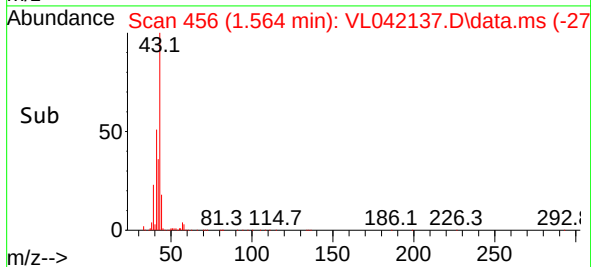
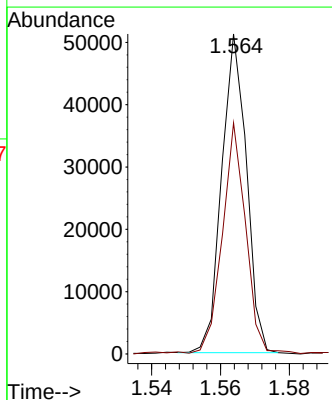
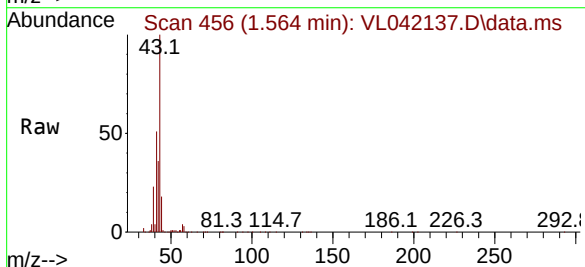
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

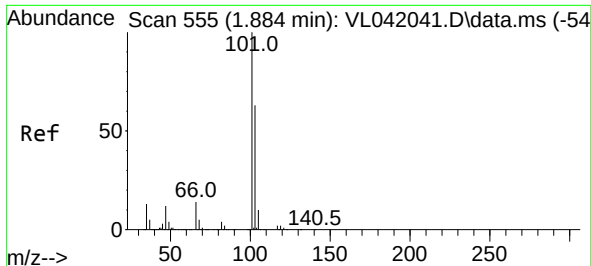
Tgt Ion: 85 Resp: 2295
 Ion Ratio Lower Upper
 85 100
 135 3.5 54.6 81.8#



#9
 Propene
 Concen: 2.733 ppbv
 RT: 1.564 min Scan# 456
 Delta R.T. 0.075 min
 Lab File: VL042137.D
 Acq: 10 Mar 2025 21:38

Tgt Ion: 41 Resp: 25517
 Ion Ratio Lower Upper
 41 100
 42 70.7 55.8 83.6

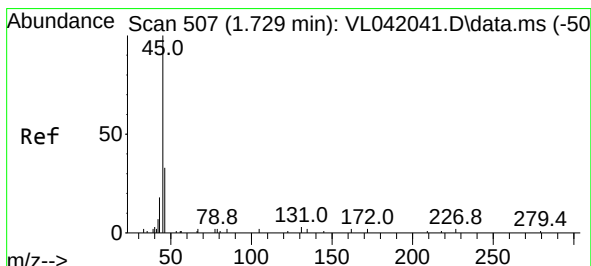
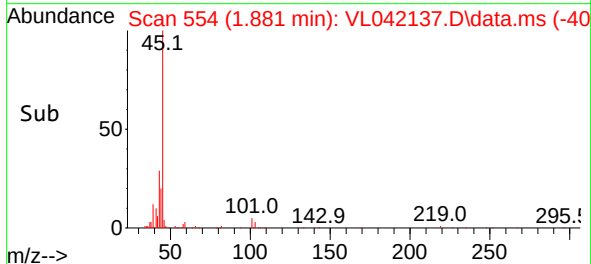
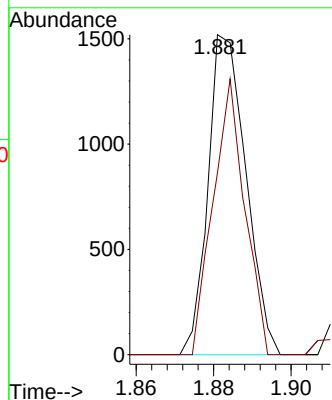
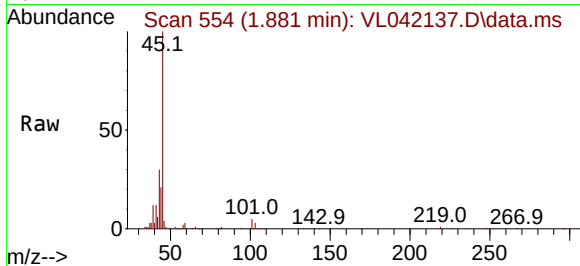




#11
Trichlorofluoromethane
Concen: 0.063 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

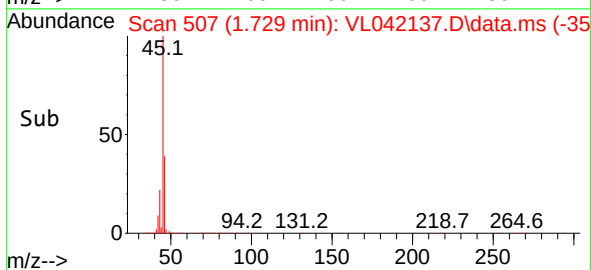
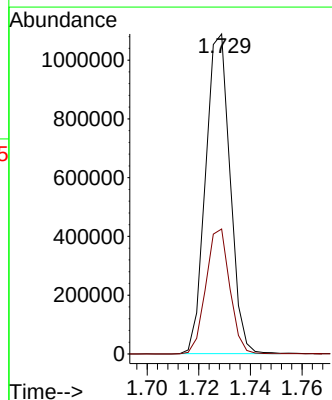
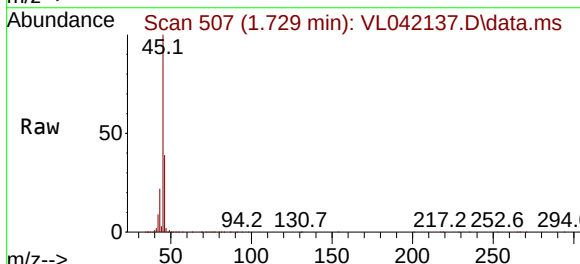
Instrument :
MSVOA_L
ClientSampleId :
SV2

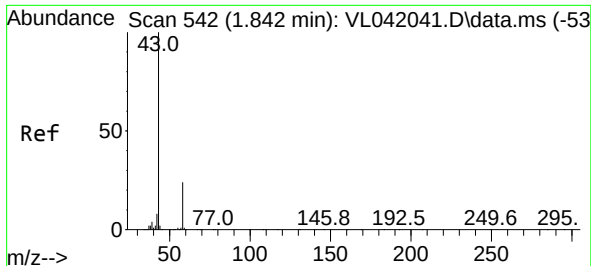
Tgt Ion:101 Resp: 1033
Ion Ratio Lower Upper
101 100
103 56.8 50.6 75.8



#13
Ethanol
Concen: 1208.441 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion: 45 Resp: 716267
Ion Ratio Lower Upper
45 100
46 38.4 17.1 68.3

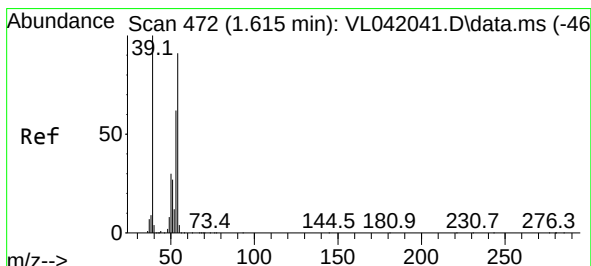
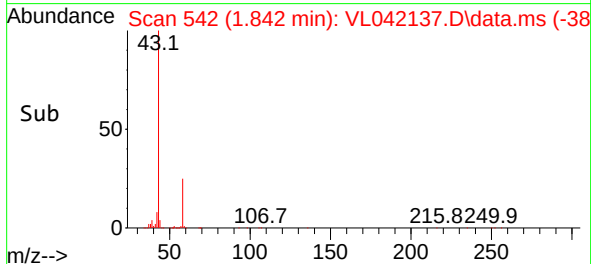
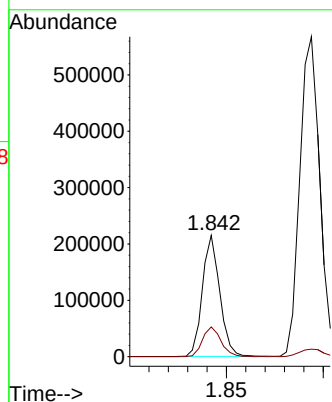
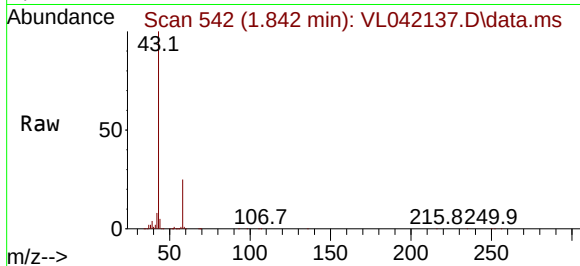




#15
Acetone
Concen: 9.622 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

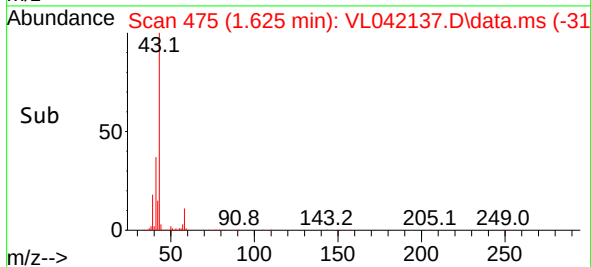
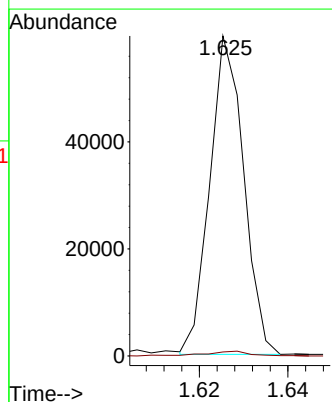
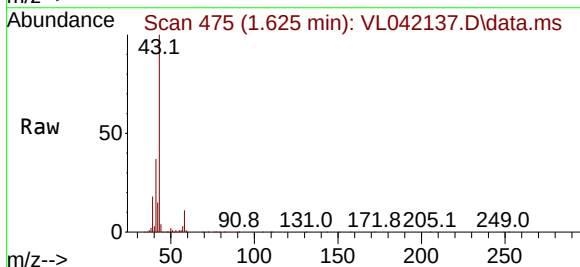
Instrument :
MSVOA_L
ClientSampleId :
SV2

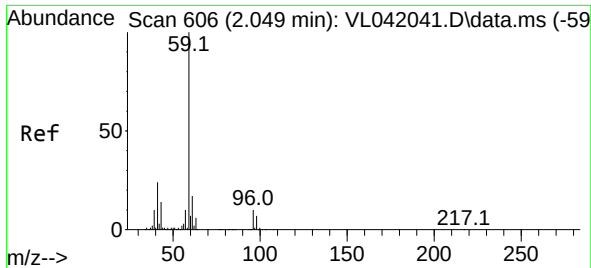
Tgt Ion: 43 Resp: 134002
Ion Ratio Lower Upper
43 100
58 26.2 20.7 31.1



#16
1,3-Butadiene
Concen: 4.884 ppbv
RT: 1.625 min Scan# 475
Delta R.T. 0.010 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion: 39 Resp: 31654
Ion Ratio Lower Upper
39 100
54 2.1 59.6 89.4#





#17

tert-Butyl alcohol

Concen: 0.174 ppbv

RT: 2.053 min Scan# 606

Delta R.T. 0.003 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

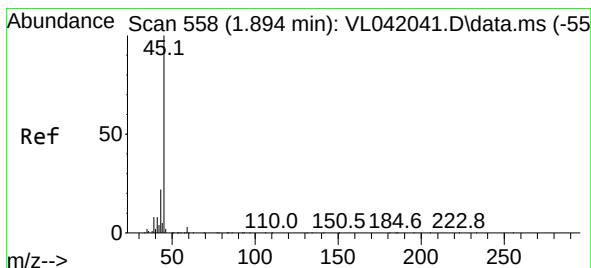
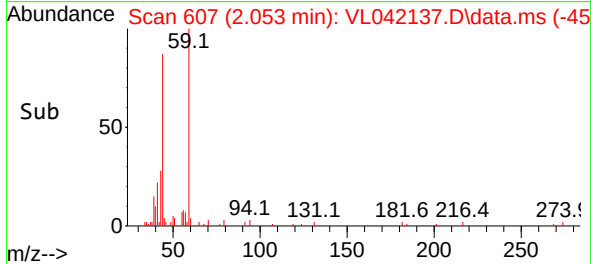
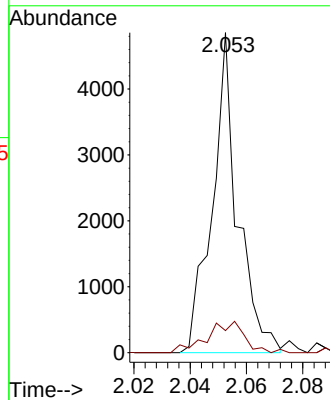
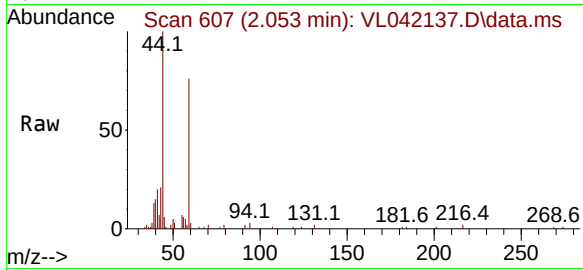
SV2

Tgt Ion: 59 Resp: 3033

Ion Ratio Lower Upper

59 100

57 14.4 9.3 13.9#



#19

Isopropyl Alcohol

Concen: 193.561 ppbv

RT: 1.894 min Scan# 558

Delta R.T. 0.000 min

Lab File: VL042137.D

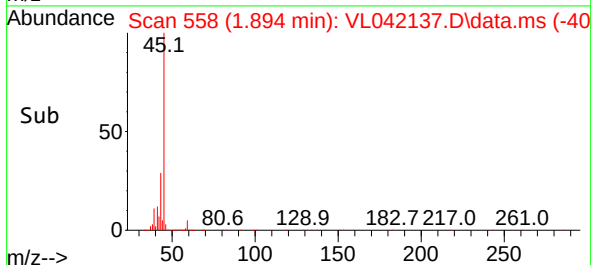
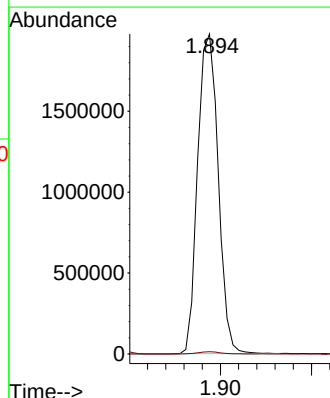
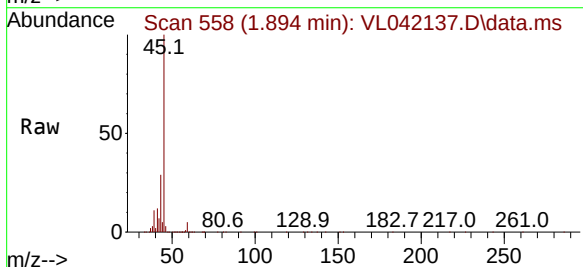
Acq: 10 Mar 2025 21:38

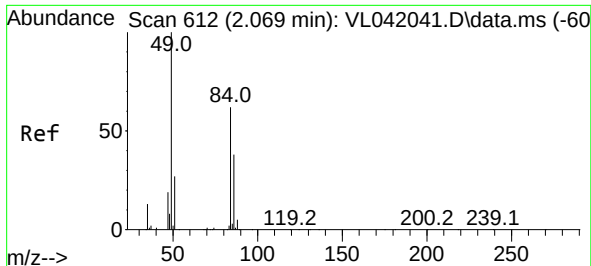
Tgt Ion: 45 Resp: 1548394

Ion Ratio Lower Upper

45 100

58 0.8 35.3 52.9#



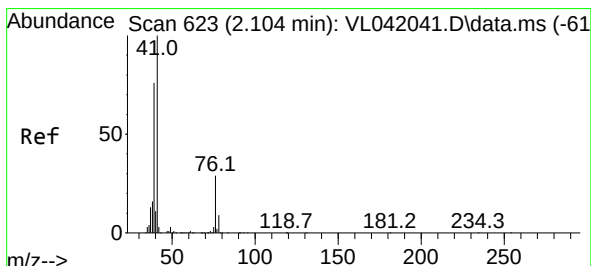
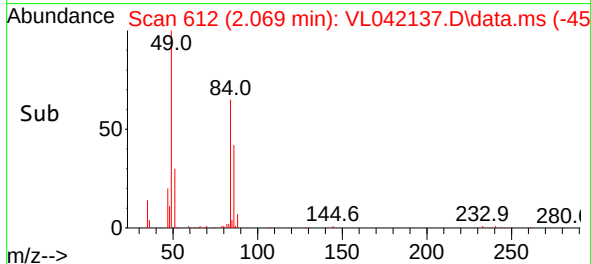
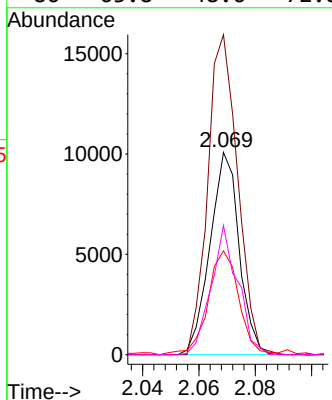
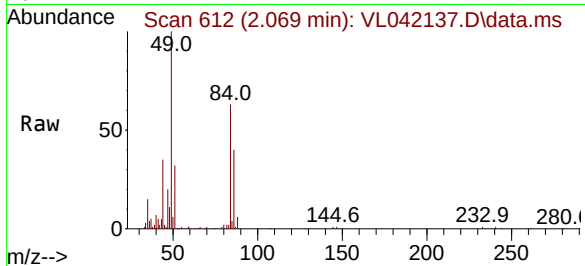


#20
Methylene Chloride
Concen: 1.378 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 84 Resp: 7260

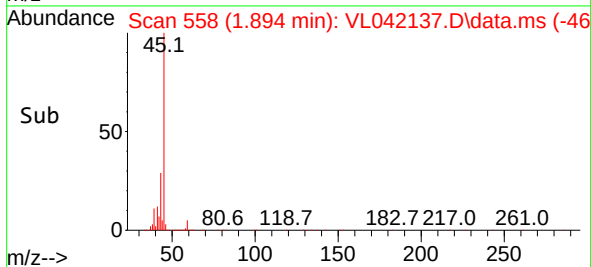
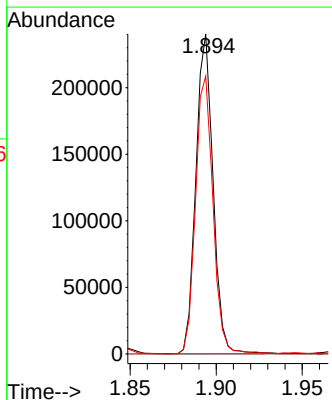
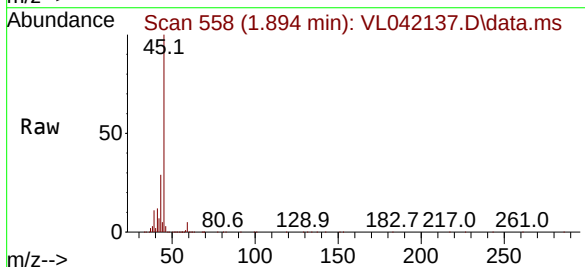
Ion	Ratio	Lower	Upper
84	100		
49	158.2	130.0	195.0
51	50.5	37.4	56.0
86	63.8	48.6	72.8

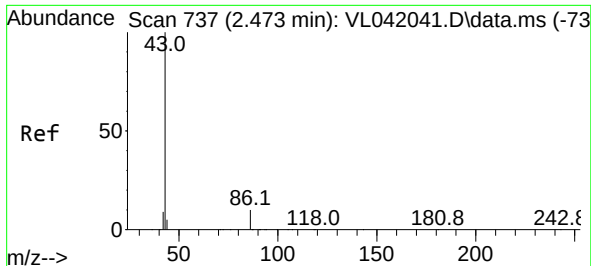


#21
Allyl Chloride
Concen: 16.540 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.210 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion: 41 Resp: 166426

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.8	35.6#
39	88.6	63.8	95.6

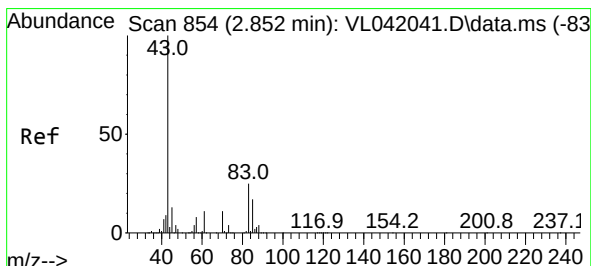
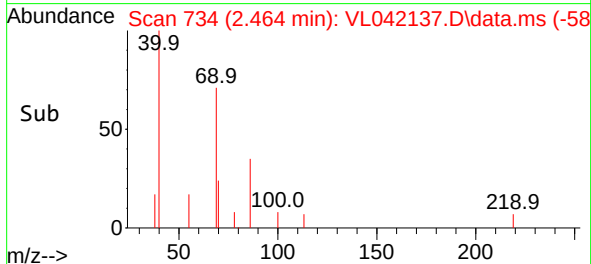
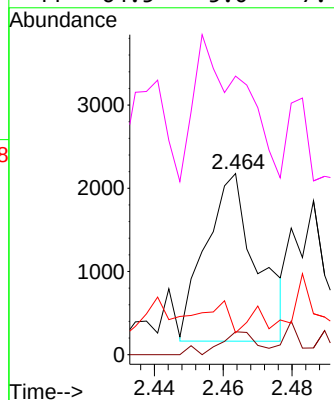
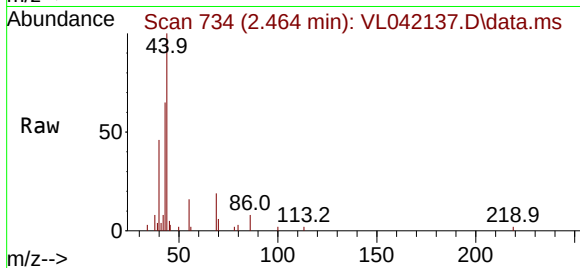




#23
 Vinyl Acetate
 Concen: 0.210 ppbv
 RT: 2.464 min Scan# 71
 Delta R.T. -0.010 min
 Lab File: VL042137.D
 Acq: 10 Mar 2025 21:38

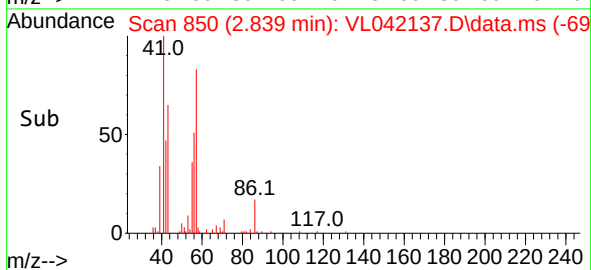
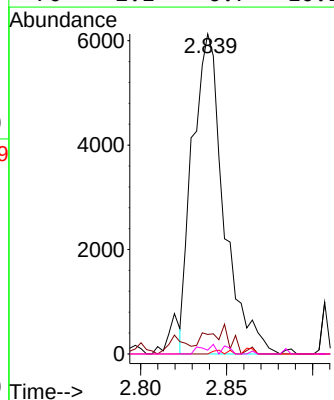
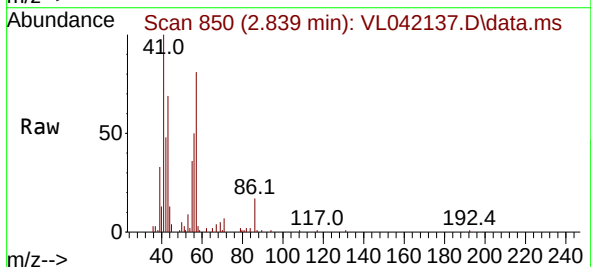
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

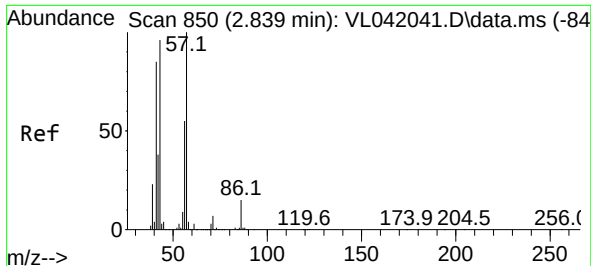
Tgt Ion:	43	Resp:	2057
Ion	Ratio	Lower	Upper
43	100		
86	14.0	7.0	10.4#
42	0.0	7.6	11.4#
44	64.5	5.0	7.4#



#25
 Ethyl Acetate
 Concen: 0.139 ppbv
 RT: 2.839 min Scan# 850
 Delta R.T. -0.013 min
 Lab File: VL042137.D
 Acq: 10 Mar 2025 21:38

Tgt Ion:	43	Resp:	7772
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	0.0	7.2	10.8#
70	2.1	6.7	10.1#

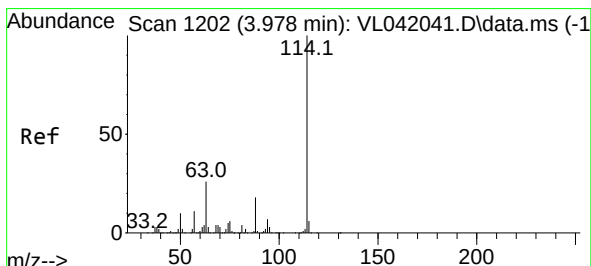
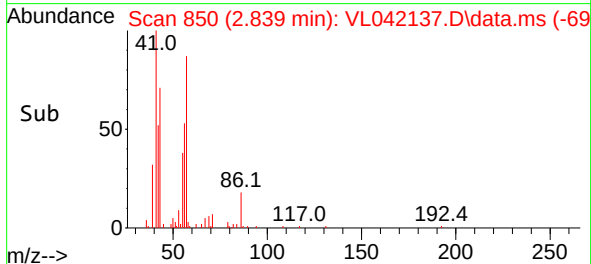
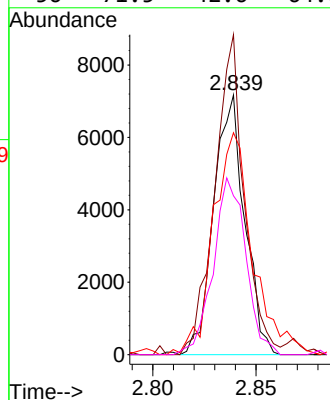
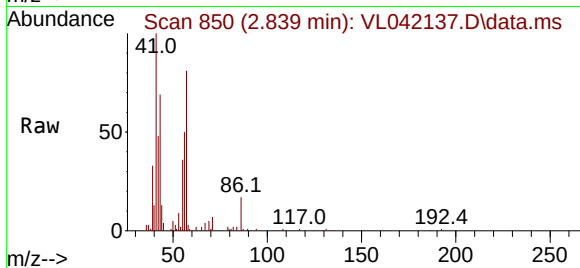




#26
Hexane
Concen: 0.332 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

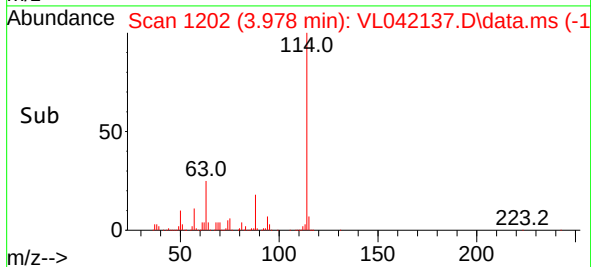
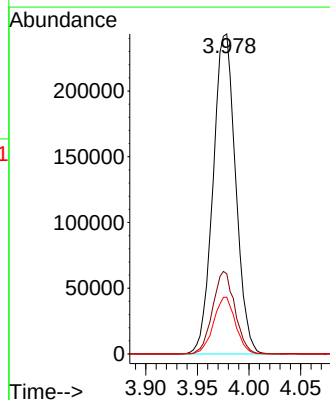
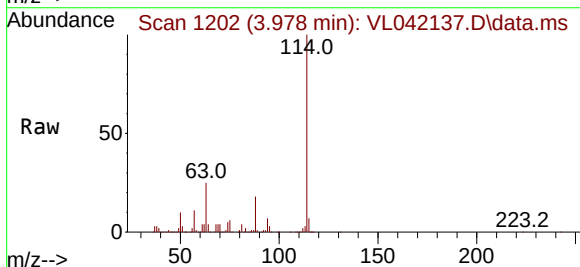
Instrument :
MSVOA_L
ClientSampleId :
SV2

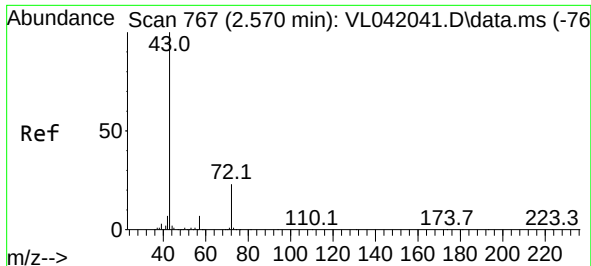
Tgt Ion: 57	Resp: 7486
Ion Ratio	Lower Upper
57 100	
41 121.1	70.6 106.0#
43 112.1	199.4 299.0#
56 71.5	42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion:114	Resp: 369982
Ion Ratio	Lower Upper
114 100	
63 25.5	20.1 30.1
88 17.3	14.3 21.5

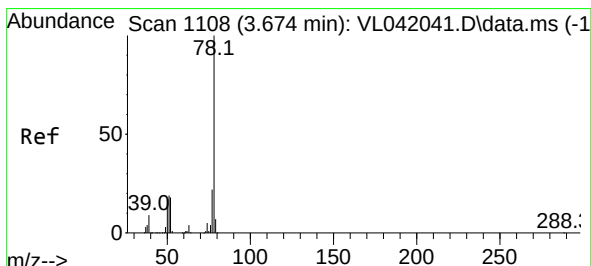
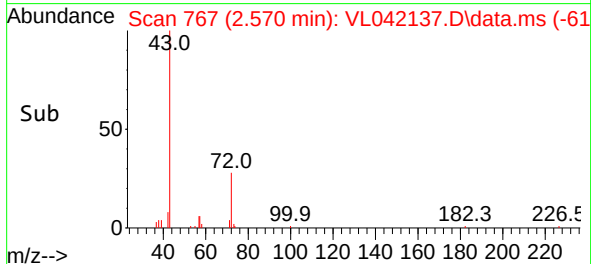
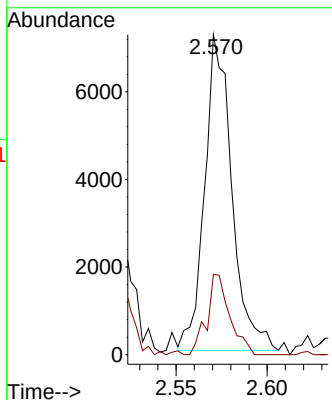
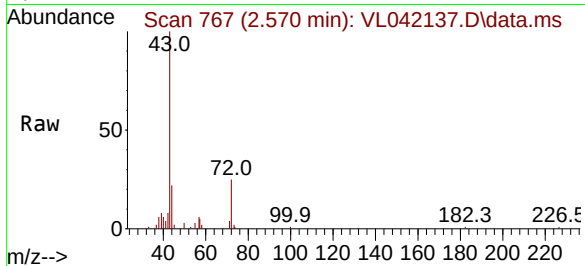




#34
2-Butanone
Concen: 0.260 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

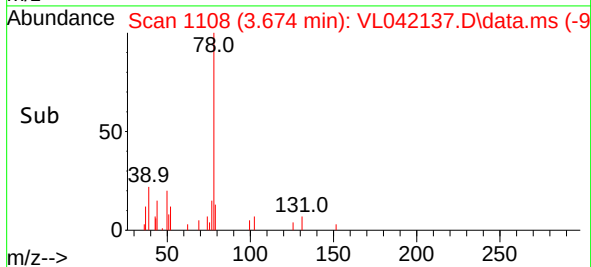
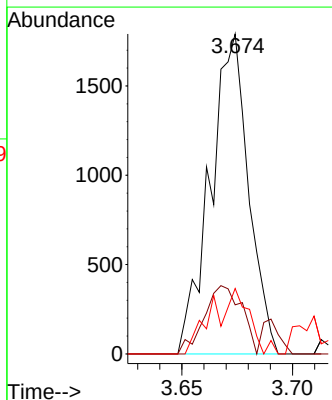
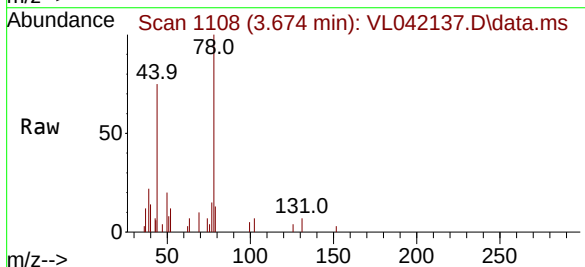
Instrument :
MSVOA_L
ClientSampleId :
SV2

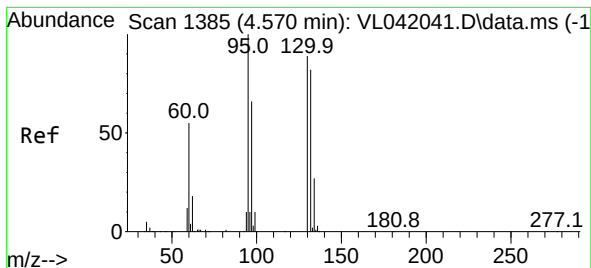
Tgt Ion: 43 Resp: 7508
Ion Ratio Lower Upper
43 100
72 21.4 18.5 27.7



#36
Benzene
Concen: 0.056 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion: 78 Resp: 2152
Ion Ratio Lower Upper
78 100
77 15.4 17.7 26.5#
50 20.4 13.9 20.9





#38

Trichloroethene

Concen: 0.055 ppbv

RT: 4.571 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion:130 Resp: 867

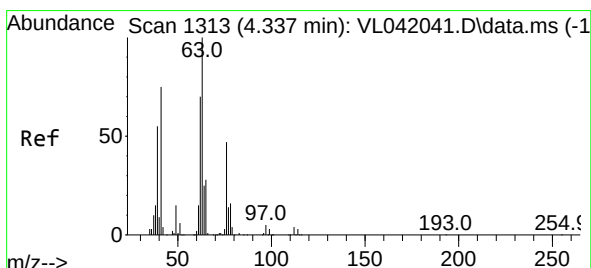
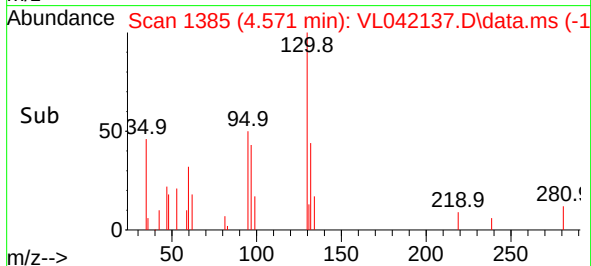
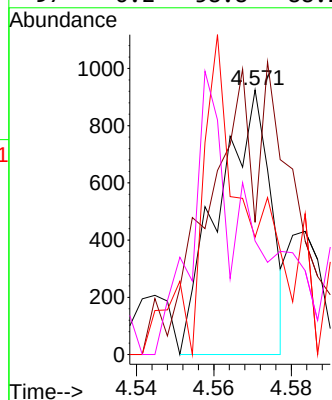
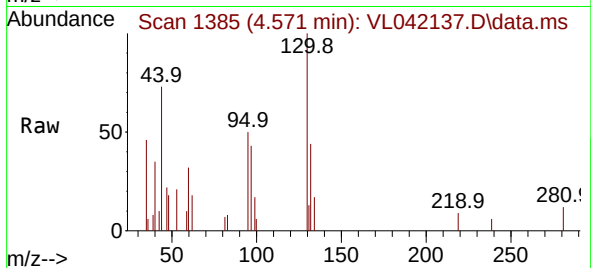
Ion Ratio Lower Upper

130 100

95 24.8 89.5 134.3#

132 16.6 73.8 110.6#

97 6.2 58.8 88.2#



#39

1,2-Dichloropropane

Concen: 6.399 ppbv

RT: 3.975 min Scan# 1201

Delta R.T. -0.362 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

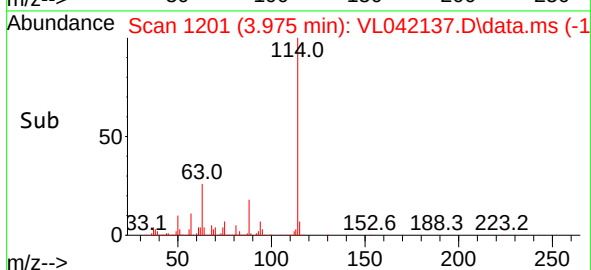
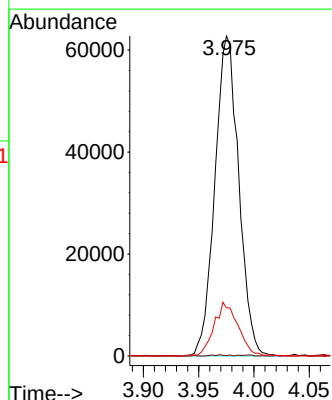
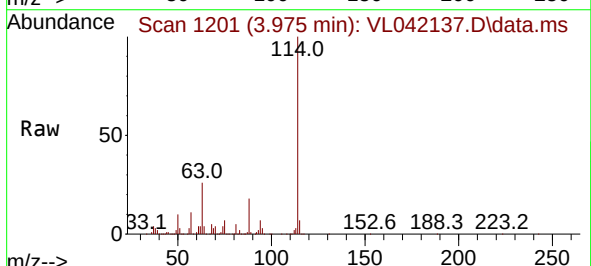
Tgt Ion: 63 Resp: 94068

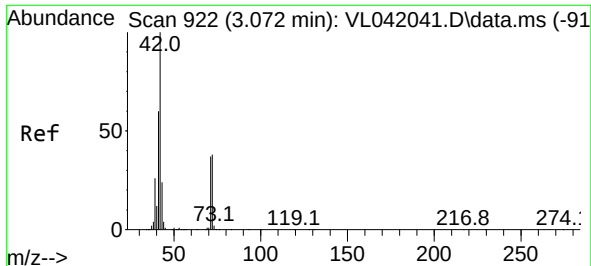
Ion Ratio Lower Upper

63 100

41 0.1 60.1 90.1#

62 15.1 55.8 83.8#

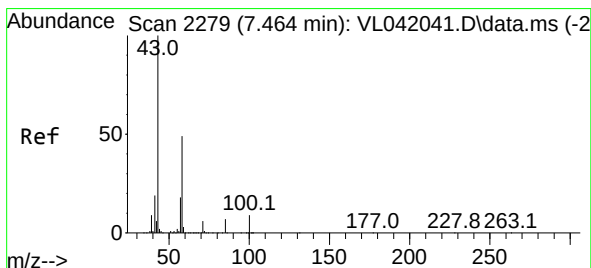
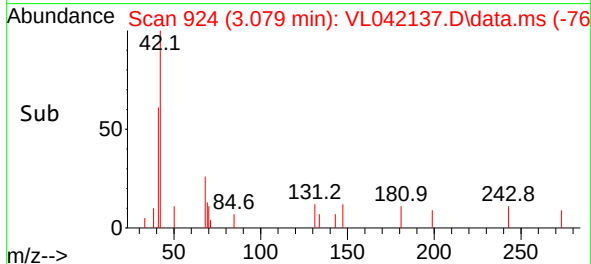
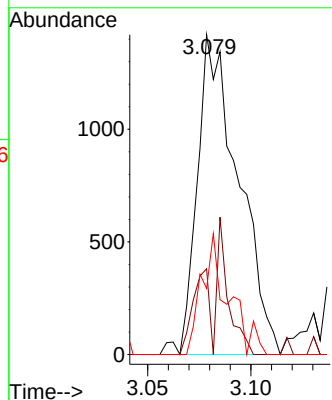
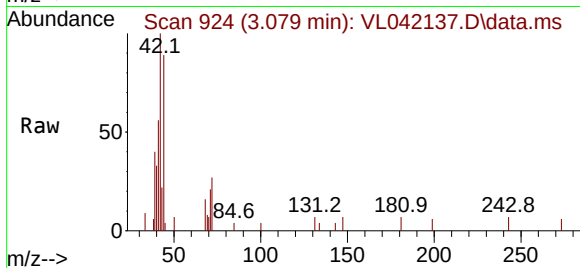




#41
Tetrahydrofuran
Concen: 0.114 ppbv
RT: 3.079 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

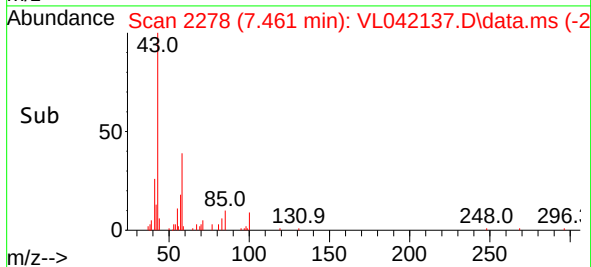
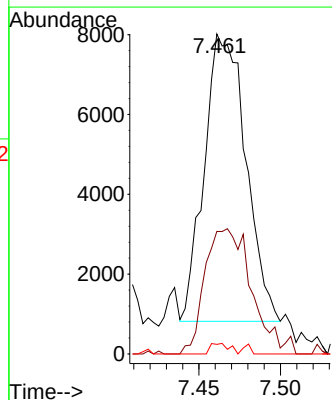
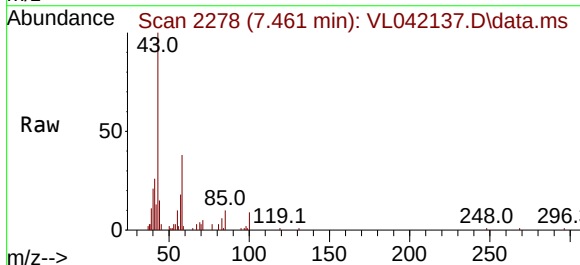
Instrument :
MSVOA_L
ClientSampleId :
SV2

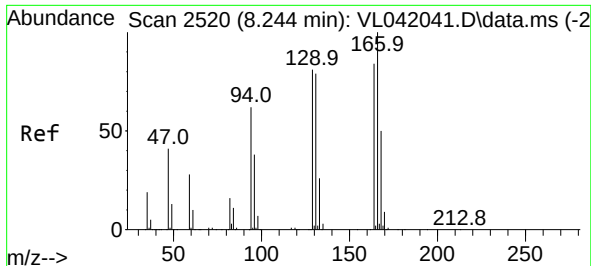
Tgt Ion:	42	Resp:	1948
Ion	Ratio	Lower	Upper
42	100		
72	22.4	30.2	45.2#
71	24.7	28.2	42.4#



#51
2-Hexanone
Concen: 0.495 ppbv
RT: 7.461 min Scan# 2278
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion:	43	Resp:	12710
Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.0	58.6
98	2.3	0.1	0.1#

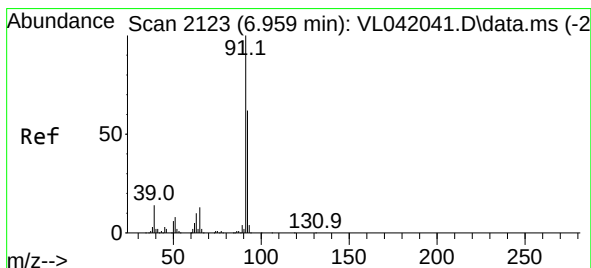
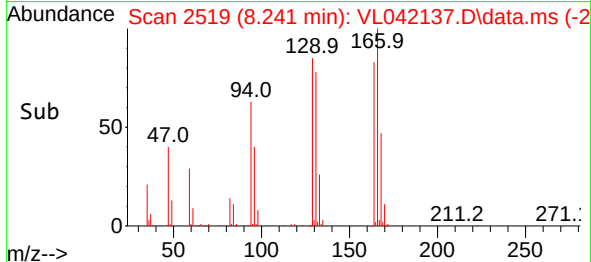
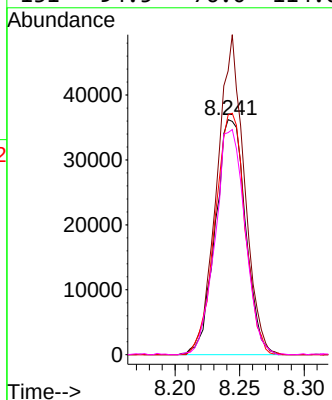
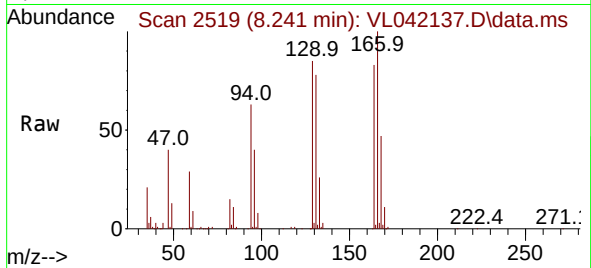




#52
Tetrachloroethene
Concen: 4.438 ppbv
RT: 8.241 min Scan# 2119
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

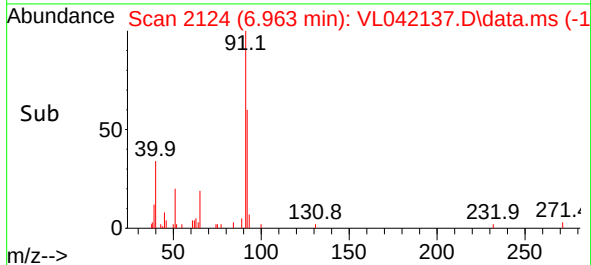
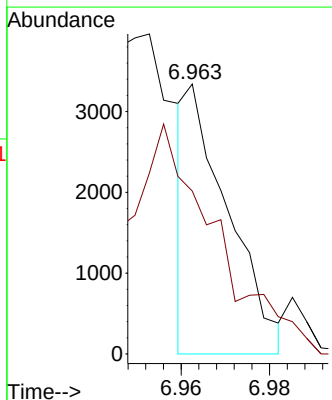
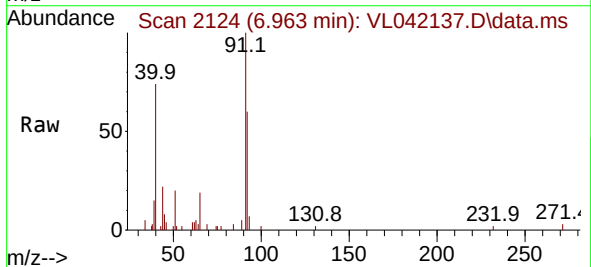
Instrument :
MSVOA_L
ClientSampleId :
SV2

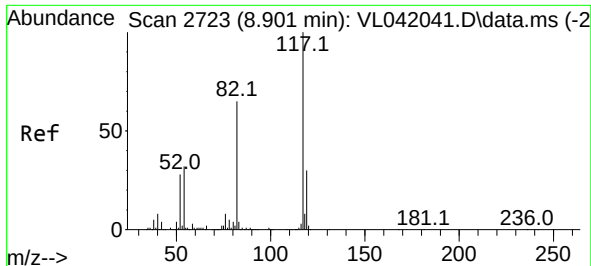
Tgt Ion:164 Resp: 58846
Ion Ratio Lower Upper
164 100
166 120.7 95.7 143.5
129 102.0 77.1 115.7
131 94.5 76.0 114.0



#53
Toluene
Concen: 0.051 ppbv
RT: 6.963 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion: 91 Resp: 2213
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.6#

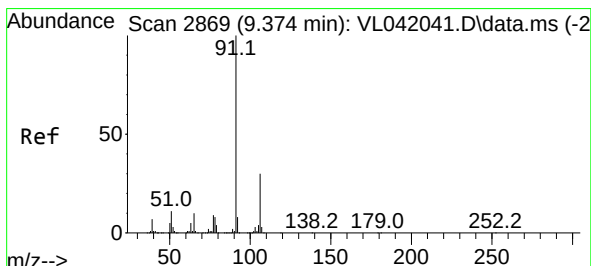
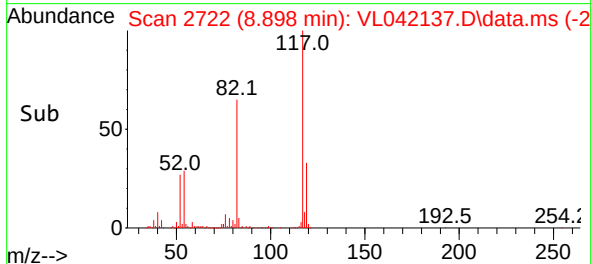
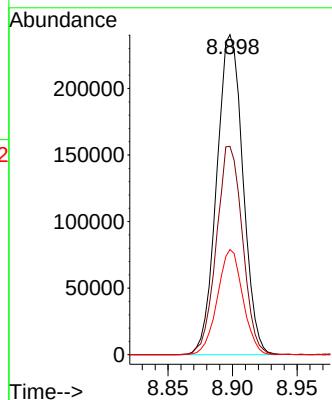
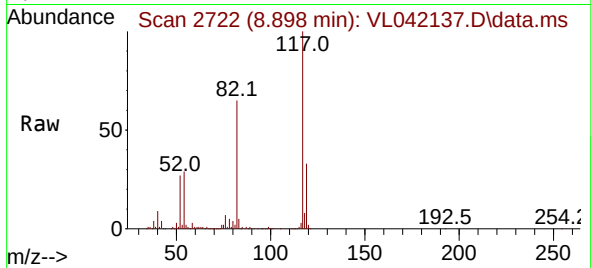




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

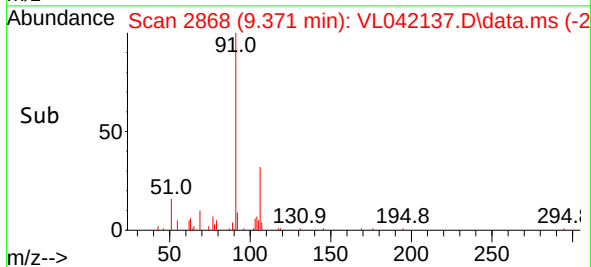
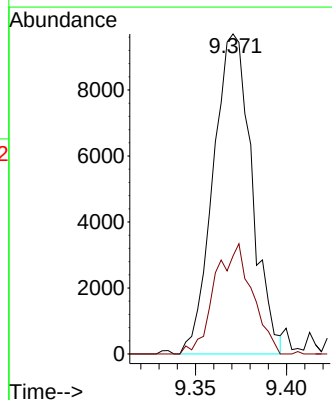
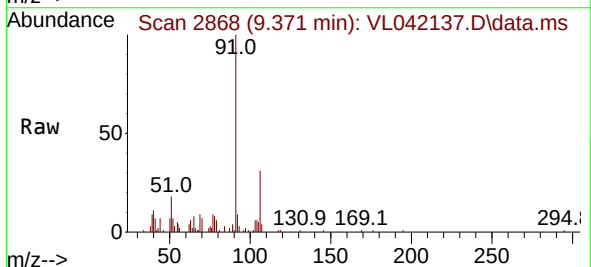
Instrument :
MSVOA_L
ClientSampleId :
SV2

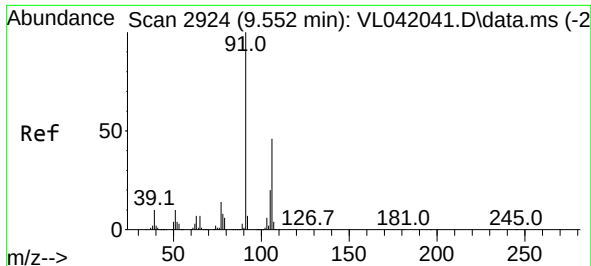
Tgt Ion:117 Resp: 340317
Ion Ratio Lower Upper
117 100
82 64.8 55.0 82.6
119 31.9 25.9 38.9



#58
Ethyl Benzene
Concen: 0.228 ppbv
RT: 9.371 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion: 91 Resp: 14280
Ion Ratio Lower Upper
91 100
106 30.6 24.2 36.2





#59

m/p-Xylene

Concen: 1.016 ppbv

RT: 9.542 min Scan# 2924

Delta R.T. -0.010 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

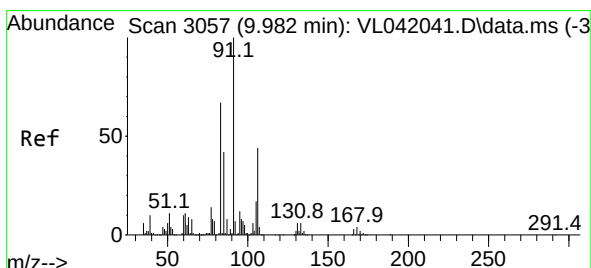
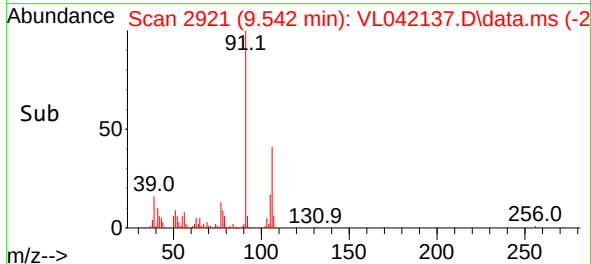
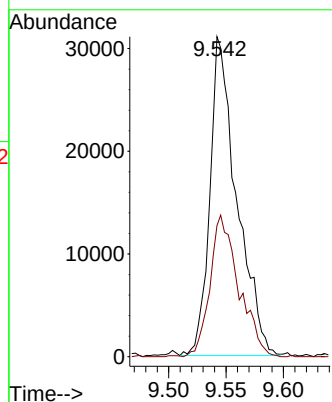
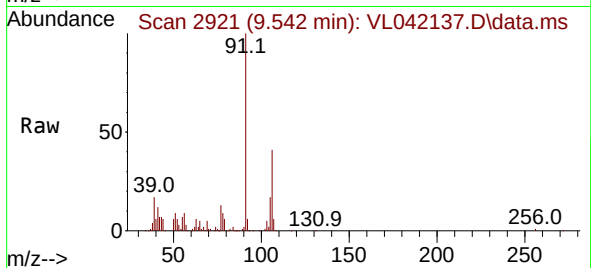
SV2

Tgt Ion: 91 Resp: 50664

Ion Ratio Lower Upper

91 100

106 47.6 0.0 0.0#



#60

o-Xylene

Concen: 0.679 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. -0.003 min

Lab File: VL042137.D

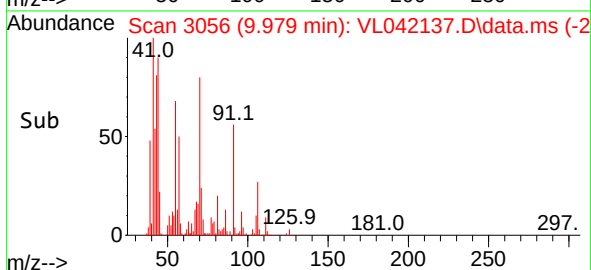
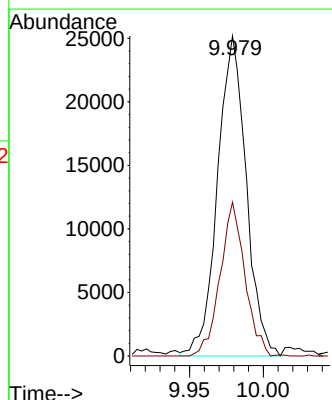
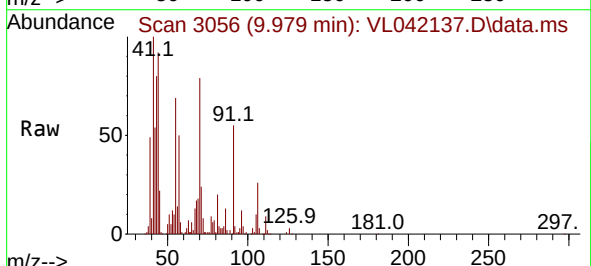
Acq: 10 Mar 2025 21:38

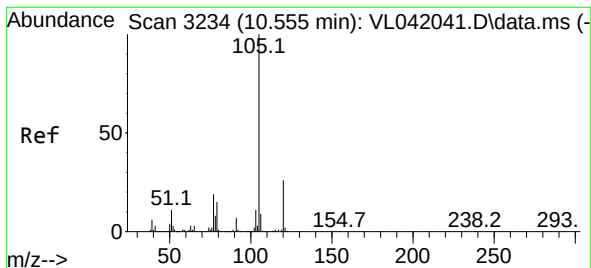
Tgt Ion: 91 Resp: 34055

Ion Ratio Lower Upper

91 100

106 41.6 22.3 66.8





#62

Isopropylbenzene

Concen: 0.193 ppbv

RT: 10.552 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

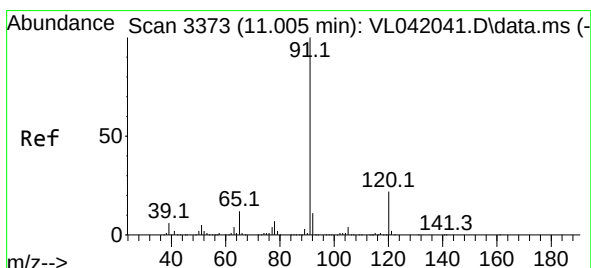
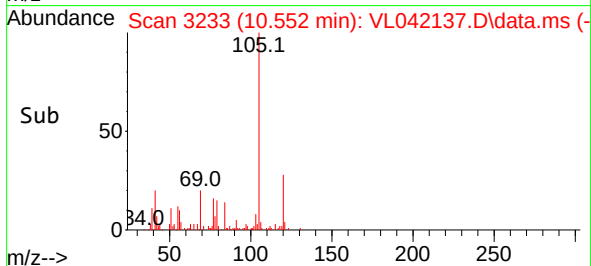
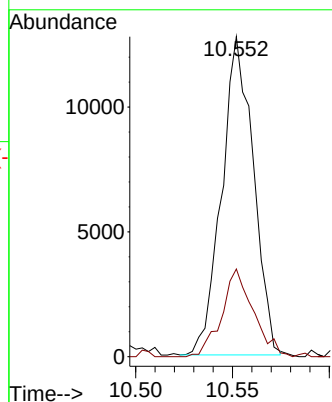
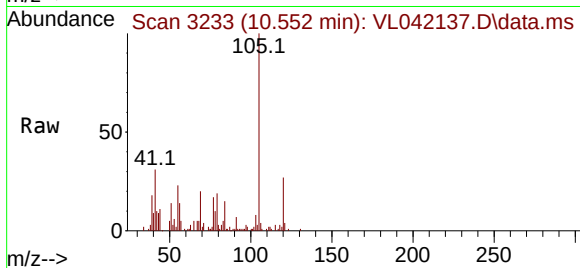
SV2

Tgt Ion:105 Resp: 14518

Ion Ratio Lower Upper

105 100

120 28.3 20.7 31.1



#64

n-propylbenzene

Concen: 1.050 ppbv

RT: 11.002 min Scan# 3372

Delta R.T. -0.003 min

Lab File: VL042137.D

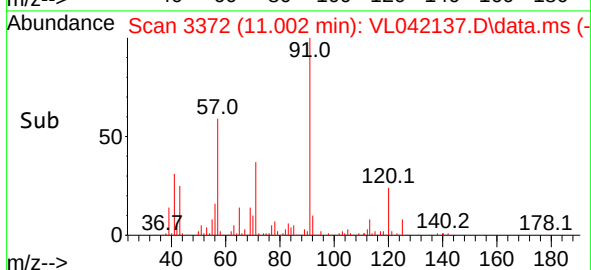
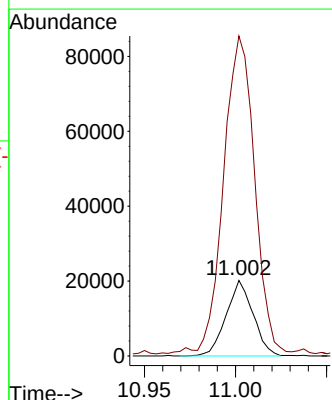
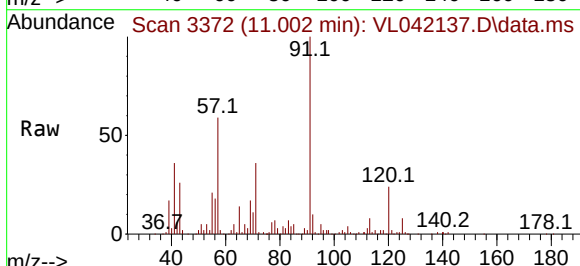
Acq: 10 Mar 2025 21:38

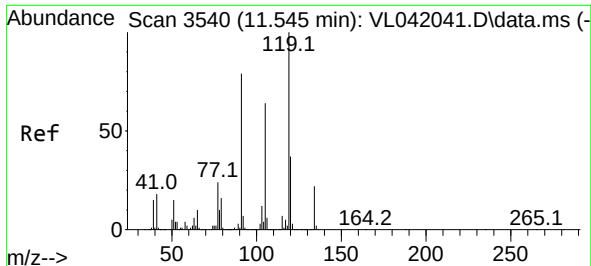
Tgt Ion:120 Resp: 20689

Ion Ratio Lower Upper

120 100

91 493.3 370.6 556.0

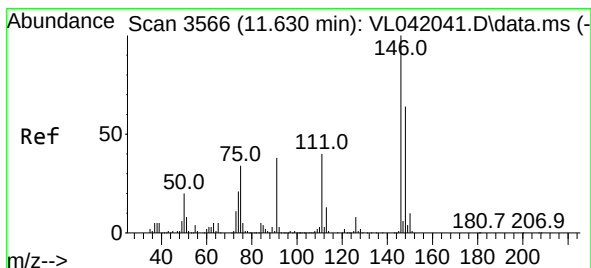
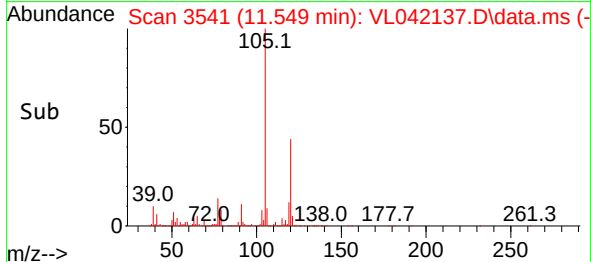
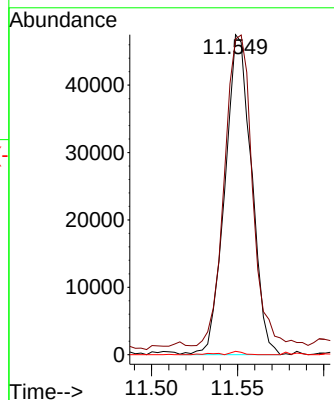
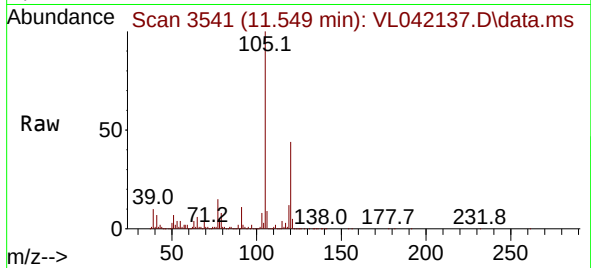




#65
tert-Butylbenzene
Concen: 0.745 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.003 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

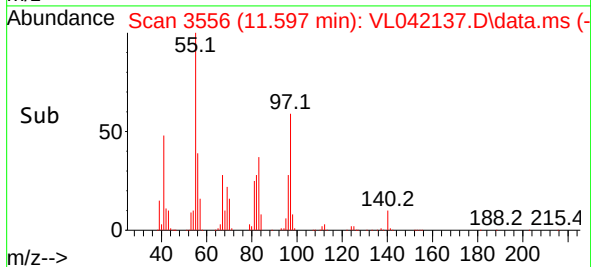
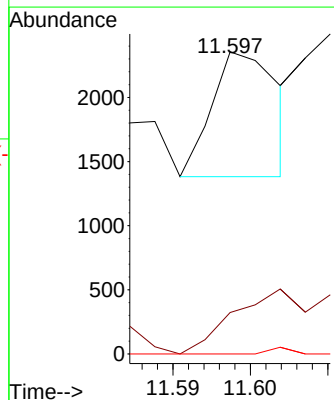
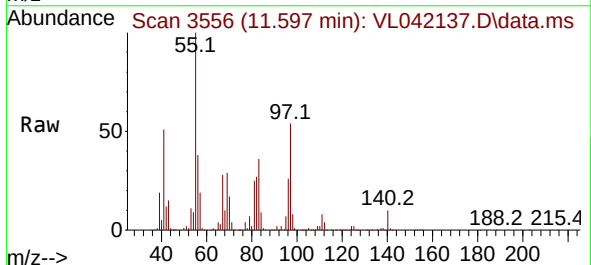
Instrument :
MSVOA_L
ClientSampleId :
SV2

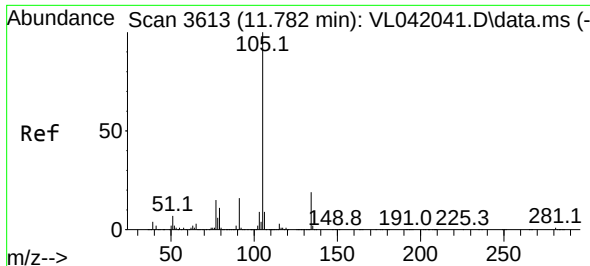
Tgt Ion:119 Resp: 50947
Ion Ratio Lower Upper
119 100
91 108.4 64.2 96.2#
134 0.0 17.4 26.2#



#66
Benzyl Chloride
Concen: 0.111 ppbv
RT: 11.597 min Scan# 3556
Delta R.T. -0.032 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Tgt Ion: 91 Resp: 580
Ion Ratio Lower Upper
91 100
126 127.6 14.5 21.7#
128 0.0 5.4 8.2#

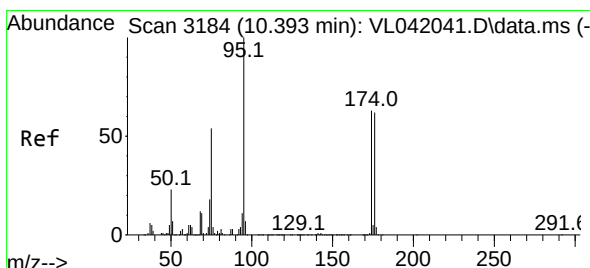
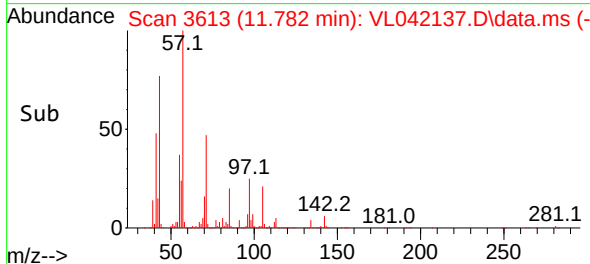
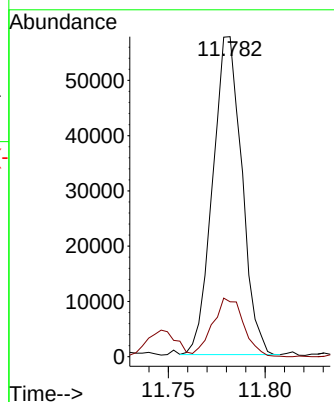
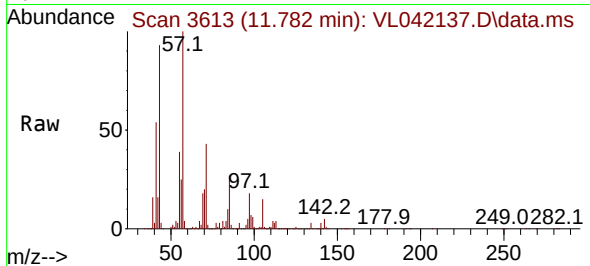




#67
 sec-Butylbenzene
 Concen: 0.617 ppbv
 RT: 11.782 min Scan# 3613
 Delta R.T. 0.000 min
 Lab File: VL042137.D
 Acq: 10 Mar 2025 21:38

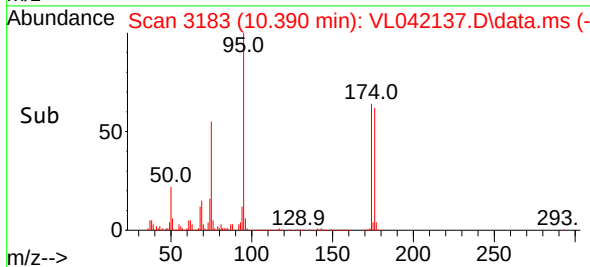
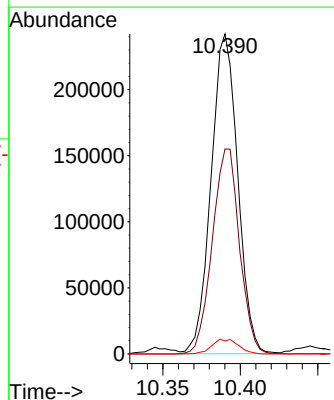
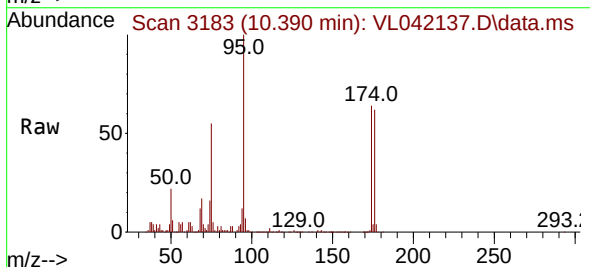
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

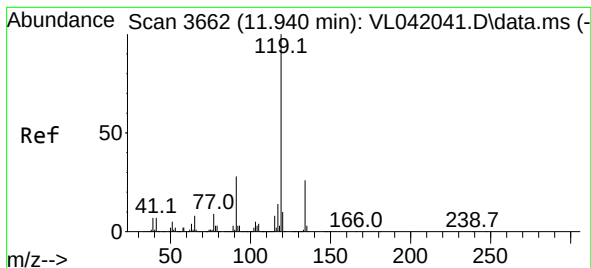
Tgt Ion:105 Resp: 60299
 Ion Ratio Lower Upper
 105 100
 134 28.5 14.9 22.3#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.075 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. -0.003 min
 Lab File: VL042137.D
 Acq: 10 Mar 2025 21:38

Tgt Ion: 95 Resp: 289970
 Ion Ratio Lower Upper
 95 100
 174 65.3 51.8 77.6
 175 4.6 3.9 5.9





#69

p-Isopropyltoluene

Concen: 0.566 ppbv

RT: 11.940 min Scan# 3662

Delta R.T. 0.000 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

SV2

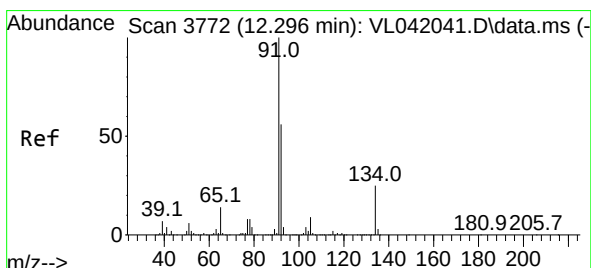
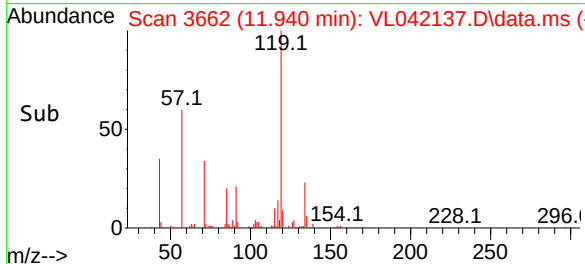
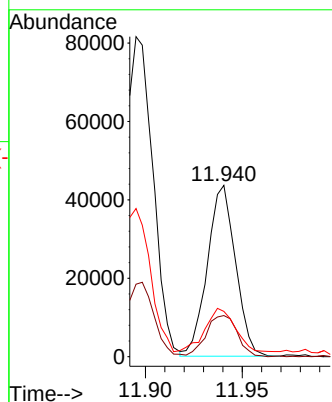
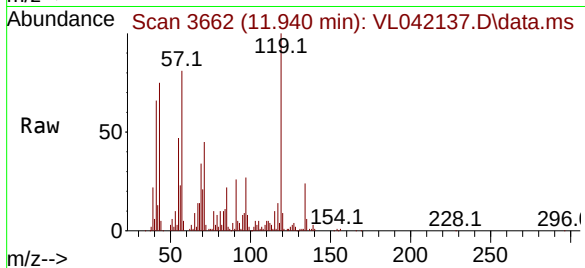
Tgt Ion:119 Resp: 43993

Ion Ratio Lower Upper

119 100

134 27.0 20.9 31.3

91 33.4 23.1 34.7



#70

n-Butylbenzene

Concen: 1.485 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. -0.003 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

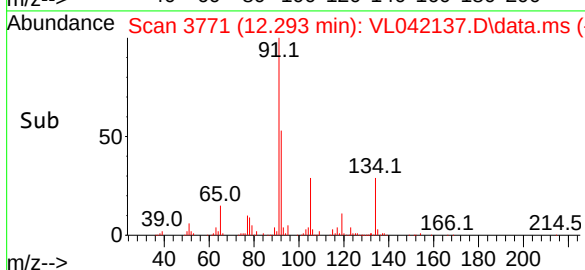
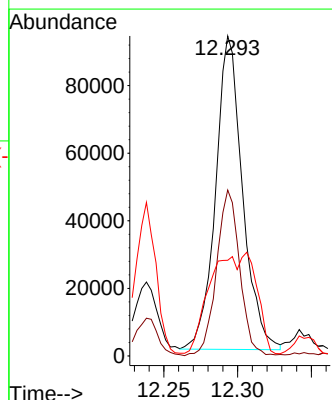
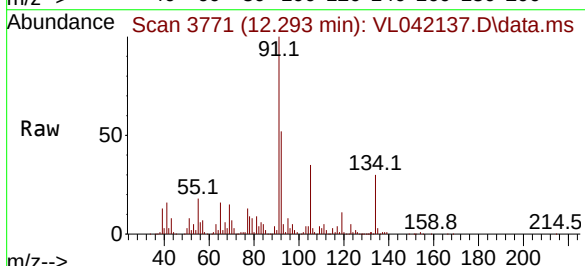
Tgt Ion: 91 Resp: 117905

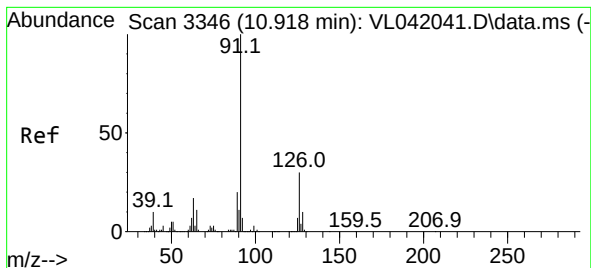
Ion Ratio Lower Upper

91 100

92 44.4 44.7 67.1#

134 58.3 18.9 28.3#





#71

2-Chlorotoluene

Concen: 0.239 ppbv

RT: 11.215 min Scan# 3414

Delta R.T. 0.298 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

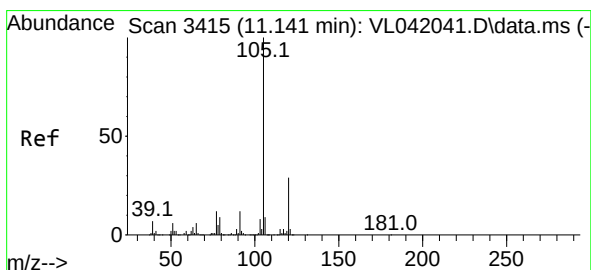
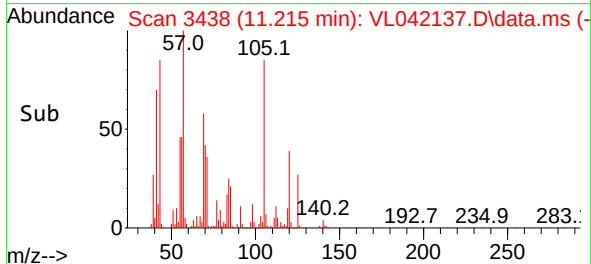
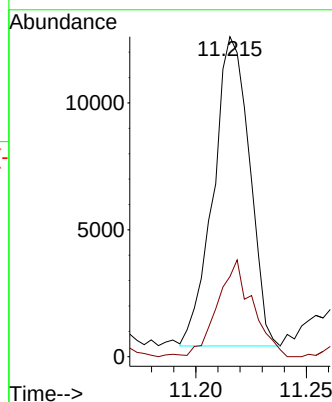
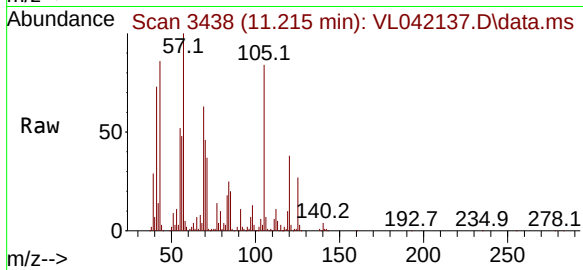
SV2

Tgt Ion: 91 Resp: 13853

Ion Ratio Lower Upper

91 100

126 30.6 11.9 47.5



#72

4-Ethyltoluene

Concen: 1.429 ppbv

RT: 11.138 min Scan# 3414

Delta R.T. -0.003 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

Tgt Ion: 105 Resp: 87464

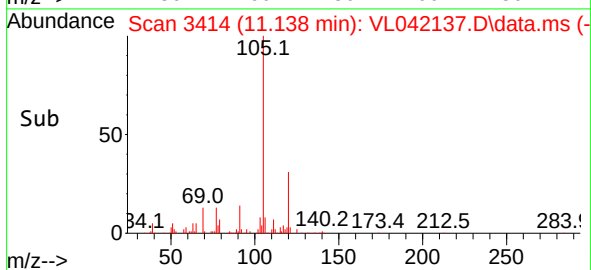
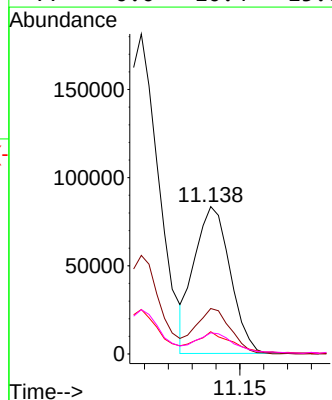
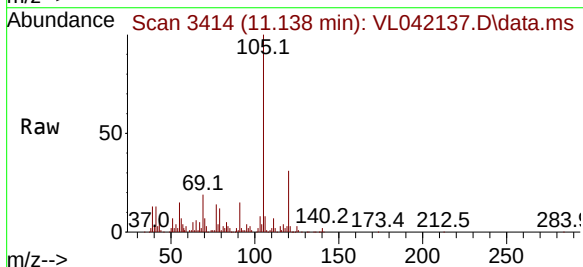
Ion Ratio Lower Upper

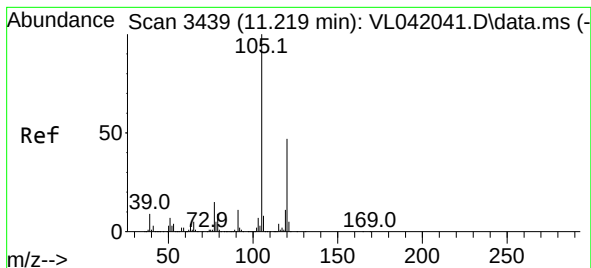
105 100

120 0.0 24.1 36.1#

91 0.0 10.2 15.4#

77 0.0 10.4 15.6#





#73

1,3,5-Trimethylbenzene

Concen: 1.997 ppbv

RT: 11.215 min Scan# 3439

Delta R.T. -0.003 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

Instrument :

MSVOA_L

ClientSampleId :

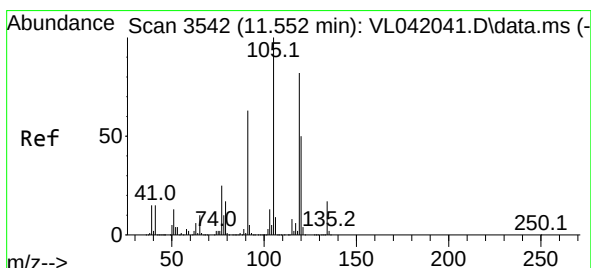
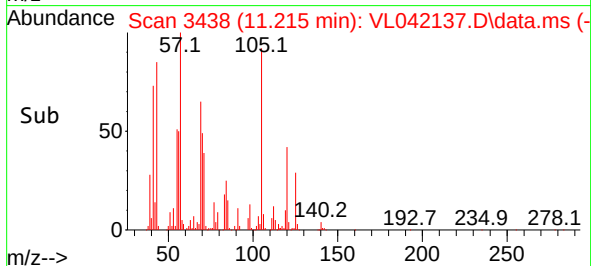
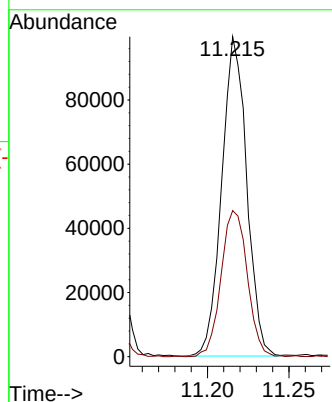
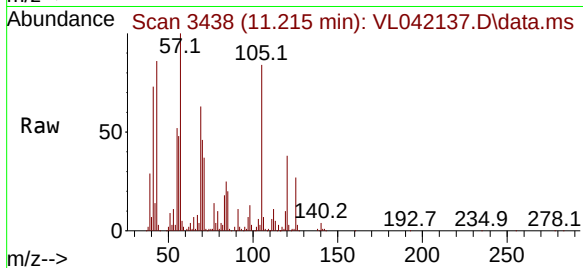
SV2

Tgt Ion:105 Resp: 106051

Ion Ratio Lower Upper

105 100

120 45.6 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 7.496 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042137.D

Acq: 10 Mar 2025 21:38

Tgt Ion:105 Resp: 448244

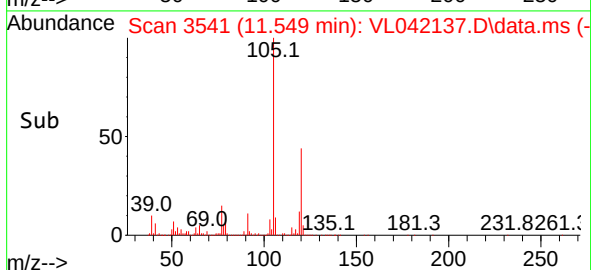
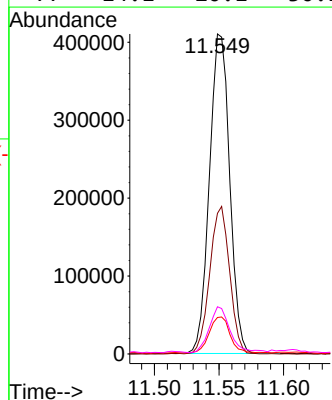
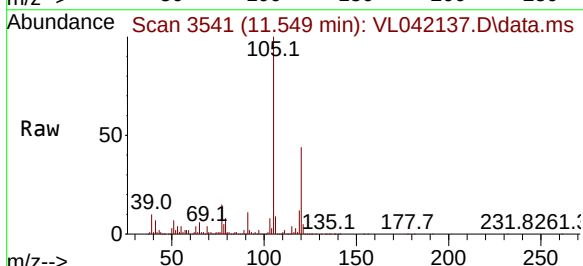
Ion Ratio Lower Upper

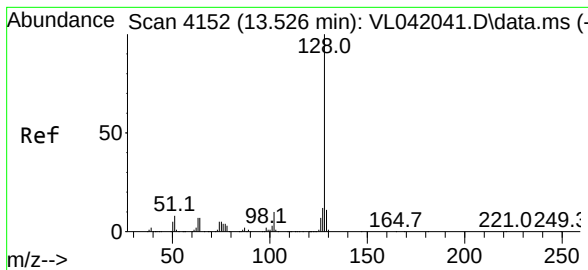
105 100

120 44.0 40.2 60.2

91 11.1 51.4 77.2#

77 14.1 20.1 30.1#





#79
Naphthalene
Concen: 0.600 ppbv
RT: 13.526 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042137.D
Acq: 10 Mar 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	25.0	9.8	14.6#
129	10.2	8.6	12.8

