

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022125\
 Data File : VL042037.D
 Acq On : 21 Feb 2025 12:47
 Operator : SY/MD
 Sample : Q1386-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1A

Quant Time: Feb 21 21:52:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 18 00:13:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	89356	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.955	114	243432	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	217289	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	187999	10.489	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	7690	0.500	ppbv	92
3) Chlorodifluoromethane	1.473	51	61725	3.630	ppbv #	90
4) Chloromethane	1.531	50	3366	0.563	ppbv	100
7) Chloroethane	1.466	64	3343	1.435	ppbv #	51
8) Dichlorotetrafluoroethane	1.496	85	7690	0.568	ppbv #	22
9) Propene	1.557	41	467788	63.806	ppbv	99
10) Heptane	4.972	43	1957	0.096	ppbv #	26
11) Trichlorofluoromethane	1.496	101	706	0.046	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.140	101	1000	0.083	ppbv #	58
13) Ethanol	1.719	45	162607	196.643	ppbv	77
15) Acetone	1.832	43	423547	28.717	ppbv	98
16) 1,3-Butadiene	1.619	39	6714	0.960	ppbv #	19
17) tert-Butyl alcohol	2.039	59	880	0.048	ppbv #	70
19) Isopropyl Alcohol	1.884	45	207336	25.070	ppbv #	83
20) Methylene Chloride	2.059	84	304608	54.864	ppbv	92
21) Allyl Chloride	2.059	41	13227	1.239	ppbv #	28
23) Vinyl Acetate	2.473	43	3241	0.406	ppbv #	52
25) Ethyl Acetate	2.823	43	191731	4.736	ppbv #	81
26) Hexane	2.823	57	241289	14.853	ppbv #	37
29) Chloroform	2.845	83	4852	0.206	ppbv	88
30) Cyclohexane	3.855	84	533	0.040	ppbv #	1
31) cis-1,2-Dichloroethene	2.716	61	3320	0.207	ppbv #	93
34) 2-Butanone	2.560	43	15472	0.739	ppbv	100
35) Carbon Tetrachloride	3.755	117	1087	0.046	ppbv	90
36) Benzene	3.654	78	6606	0.224	ppbv #	88
38) Trichloroethene	4.538	130	1979	0.165	ppbv #	47
39) 1,2-Dichloropropane	3.955	63	67637	6.256	ppbv #	23
41) Tetrahydrofuran	3.062	42	5339	0.446	ppbv #	82
43) Methyl Methacrylate	4.875	69	4750	0.353	ppbv #	1
44) 2,2,4-Trimethylpentane	4.632	57	1598	0.032	ppbv #	6
52) Tetrachloroethene	8.225	164	105923	10.299	ppbv	93
53) Toluene	6.927	91	5770	0.164	ppbv #	21
58) Ethyl Benzene	9.351	91	1496	0.031	ppbv	99
60) o-Xylene	9.963	91	1996	0.053	ppbv	97
69) p-Isopropyltoluene	11.924	119	2344	0.041	ppbv	93
74) 1,2,4-Trimethylbenzene	11.536	105	2542	0.062	ppbv #	73
76) 1,4-Dichlorobenzene	11.672	146	4837	0.224	ppbv	95
77) 1,2-Dichlorobenzene	11.672	146	4837	0.229	ppbv	94
79) Naphthalene	13.510	128	4810	0.119	ppbv #	91
80) Naphthalene,2-methyl-	14.468	142	1172	0.064	ppbv	89
81) 1,2,4-Trichlorobenzene	13.442	180	1179	0.072	ppbv	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022125\
Data File : VL042037.D
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Operator : SY/MD
Sample : Q1386-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1A

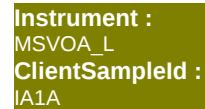
Quant Time: Feb 21 21:52:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

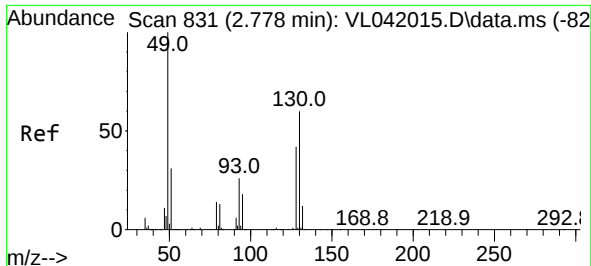
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_L
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IA1A

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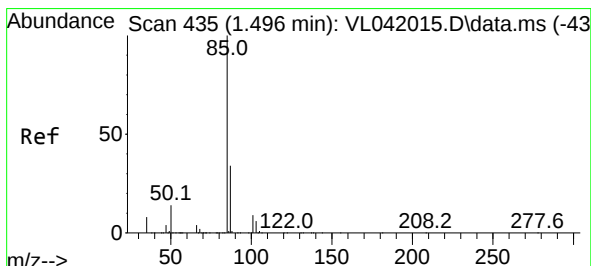
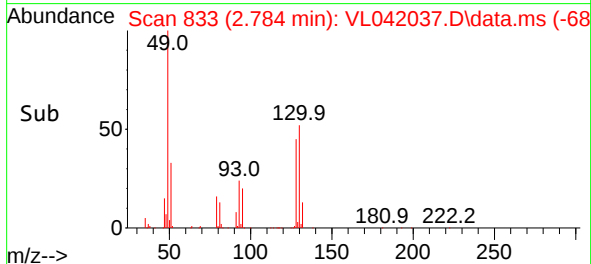
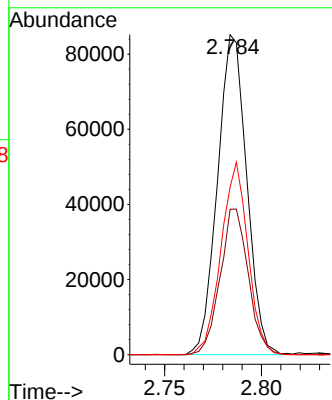
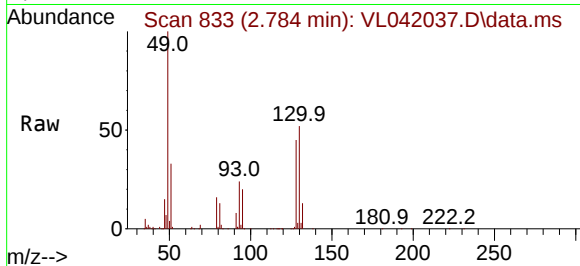




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 831
 Delta R.T. -0.016 min
 Lab File: VL042037.D
 Acq: 21 Feb 2025 12:47

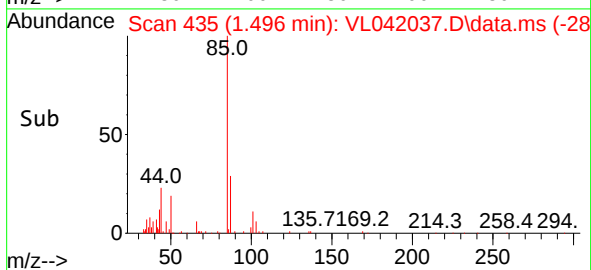
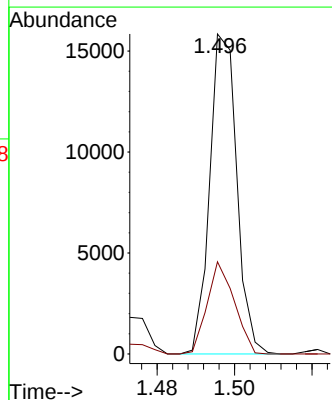
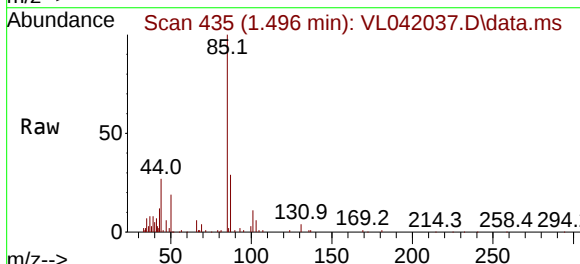
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1A

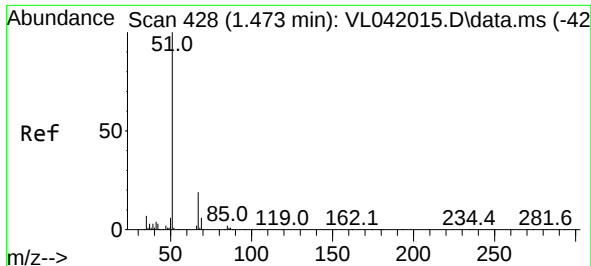
Tgt Ion: 49 Resp: 89356
 Ion Ratio Lower Upper
 49 100
 128 43.9 22.7 68.0
 130 55.6 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 0.500 ppbv
 RT: 1.496 min Scan# 435
 Delta R.T. -0.006 min
 Lab File: VL042037.D
 Acq: 21 Feb 2025 12:47

Tgt Ion: 85 Resp: 7690
 Ion Ratio Lower Upper
 85 100
 87 28.8 26.9 40.3

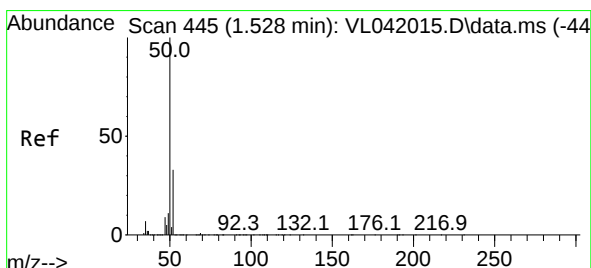
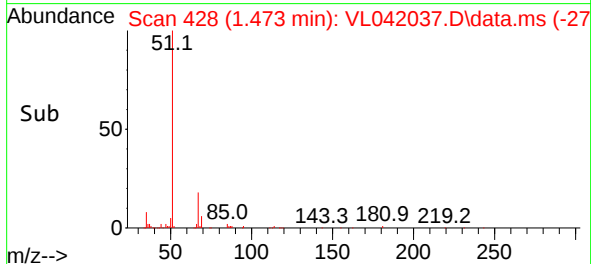
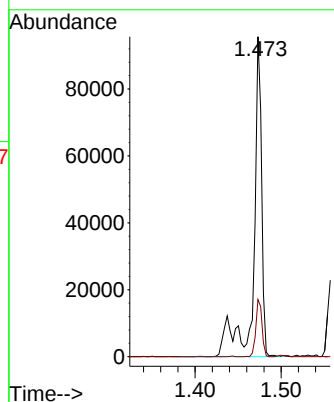
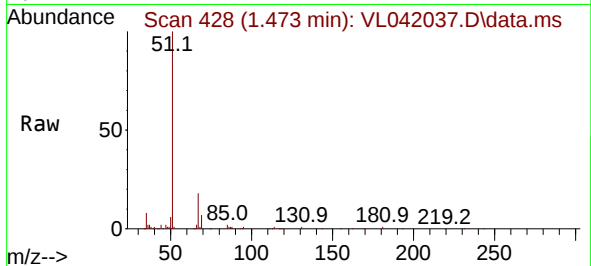




#3
Chlorodifluoromethane
Concen: 3.630 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

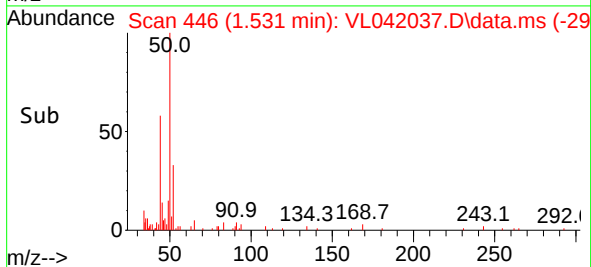
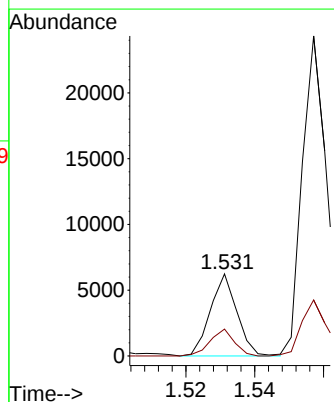
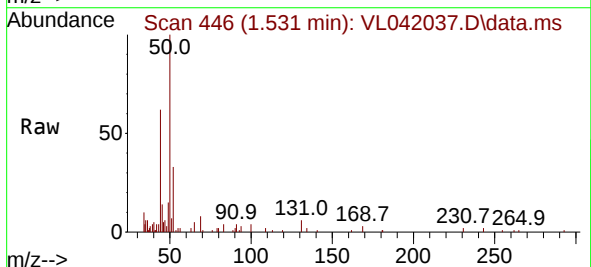
Instrument :
MSVOA_L
ClientSampleId :
IA1A

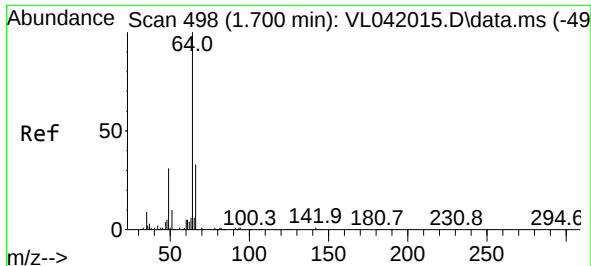
Tgt Ion: 51 Resp: 61725
Ion Ratio Lower Upper
51 100
67 14.3 15.0 22.6#



#4
Chloromethane
Concen: 0.563 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.006 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion: 50 Resp: 3366
Ion Ratio Lower Upper
50 100
52 32.8 26.2 39.2

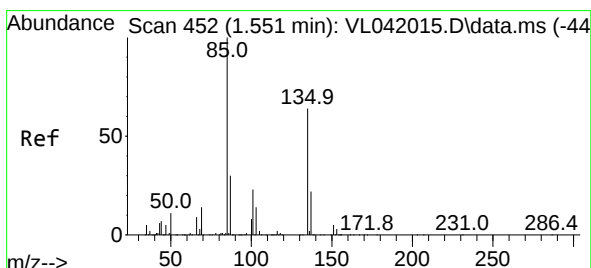
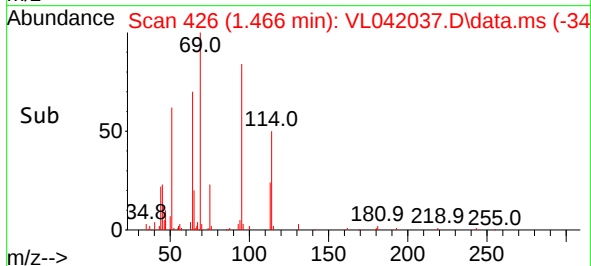
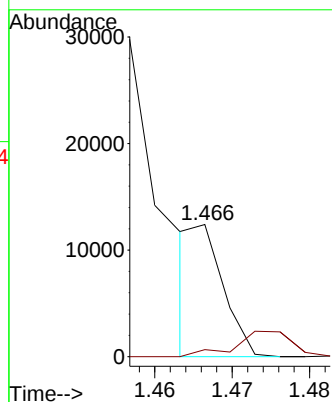
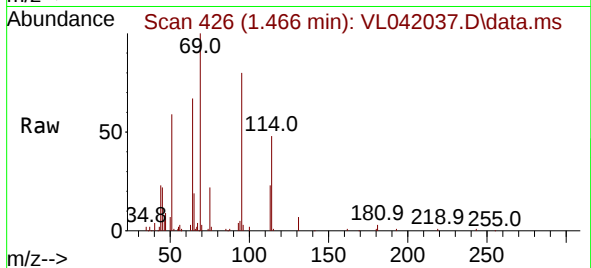




#7
Chloroethane
Concen: 1.435 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.243 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

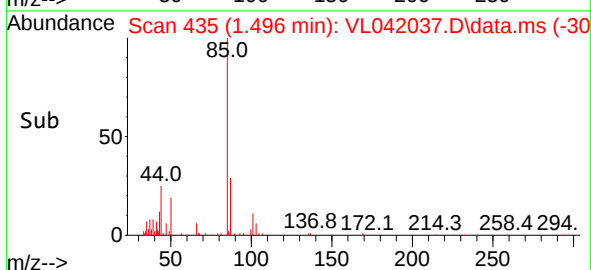
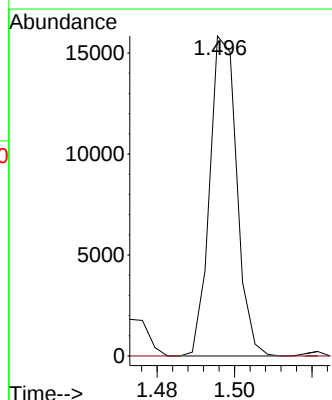
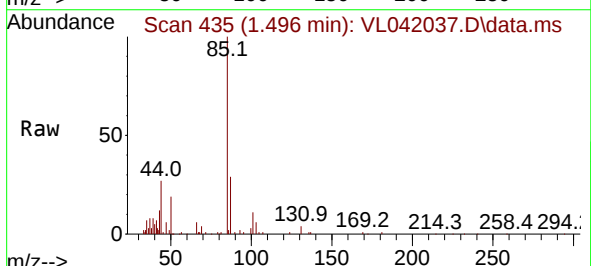
Instrument :
MSVOA_L
ClientSampleId :
IA1A

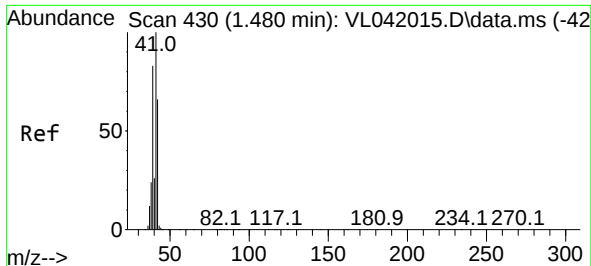
Tgt Ion: 64 Resp: 3343
Ion Ratio Lower Upper
64 100
66 5.4 26.5 39.7#



#8
Dichlorotetrafluoroethane
Concen: 0.568 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.065 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion: 85 Resp: 7690
Ion Ratio Lower Upper
85 100
135 2.4 50.9 76.3#





#9

Propene

Concen: 63.806 ppbv

RT: 1.557 min Scan# 41

Delta R.T. 0.068 min

Lab File: VL042037.D

Acq: 21 Feb 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

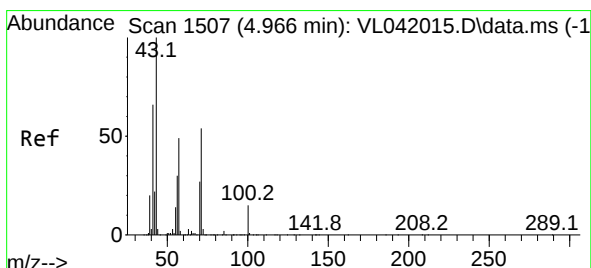
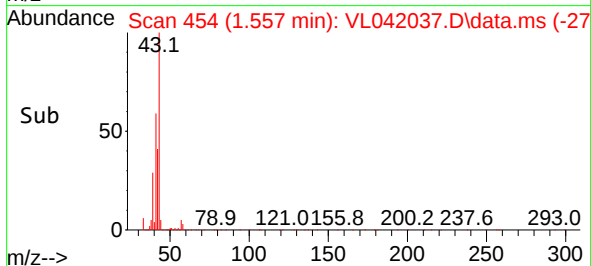
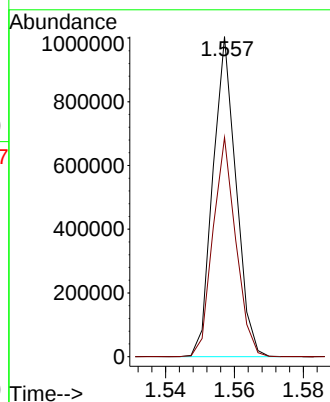
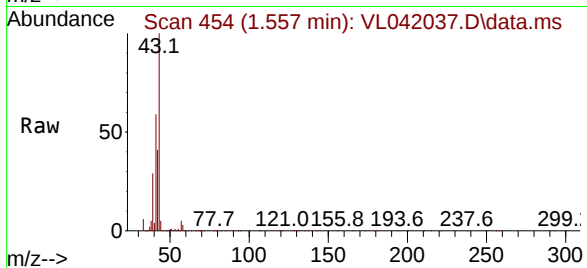
IA1A

Tgt Ion: 41 Resp: 467788

Ion Ratio Lower Upper

41 100

42 68.0 53.5 80.3



#10

Heptane

Concen: 0.096 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. -0.032 min

Lab File: VL042037.D

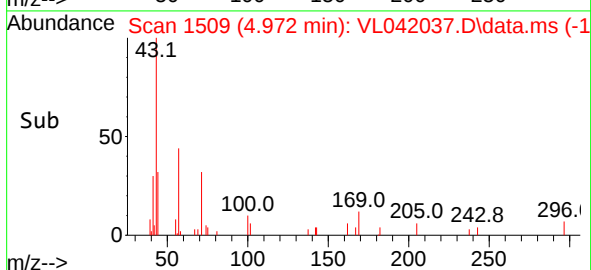
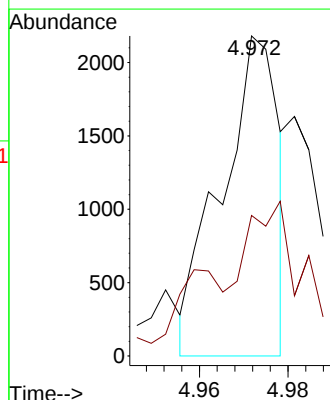
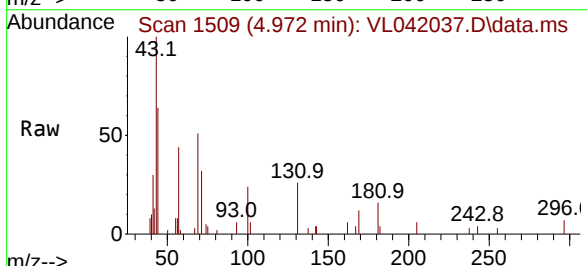
Acq: 21 Feb 2025 12:47

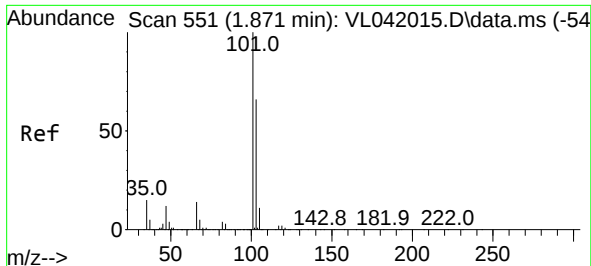
Tgt Ion: 43 Resp: 1957

Ion Ratio Lower Upper

43 100

57 0.0 41.0 61.6#





#11

Trichlorofluoromethane

Concen: 0.046 ppbv

RT: 1.496 min Scan# 41

Delta R.T. -0.388 min

Lab File: VL042037.D

Acq: 21 Feb 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

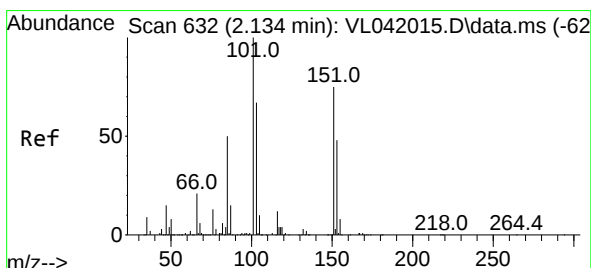
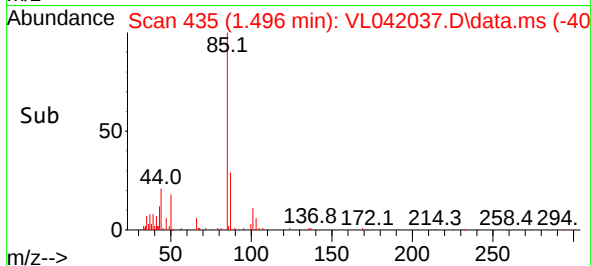
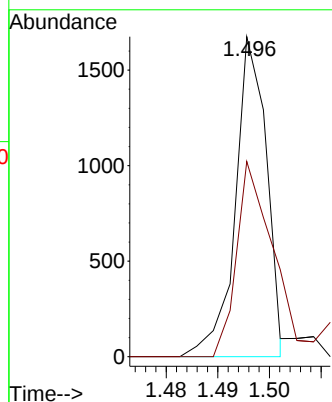
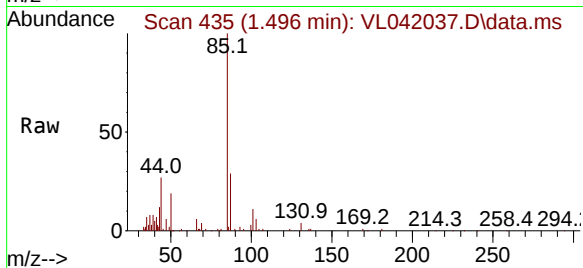
IA1A

Tgt Ion:101 Resp: 706

Ion Ratio Lower Upper

101 100

103 61.0 52.9 79.3



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.083 ppbv

RT: 2.140 min Scan# 634

Delta R.T. -0.010 min

Lab File: VL042037.D

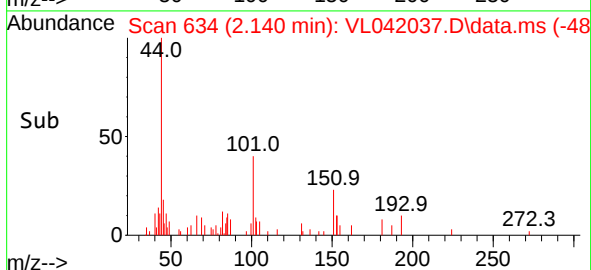
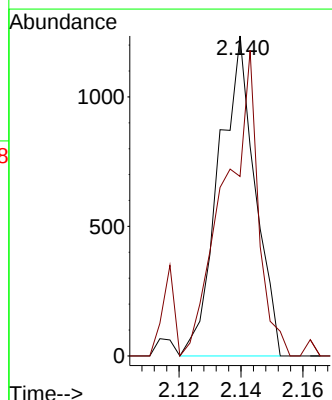
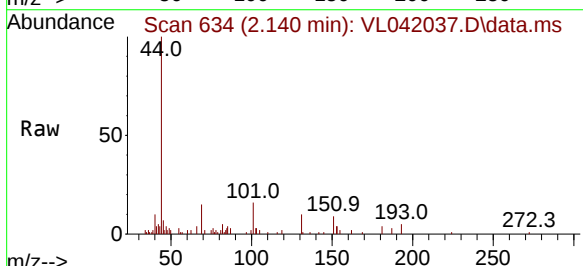
Acq: 21 Feb 2025 12:47

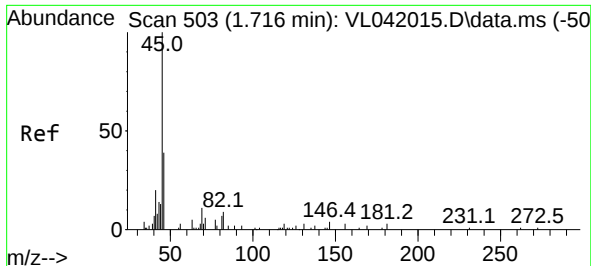
Tgt Ion:101 Resp: 1000

Ion Ratio Lower Upper

101 100

151 107.9 58.2 87.2#





#13

Ethanol

Concen: 196.643 ppbv

RT: 1.719 min Scan# 503

Delta R.T. -0.010 min

Lab File: VL042037.D

Acq: 21 Feb 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

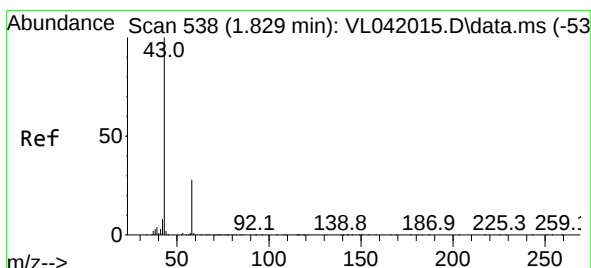
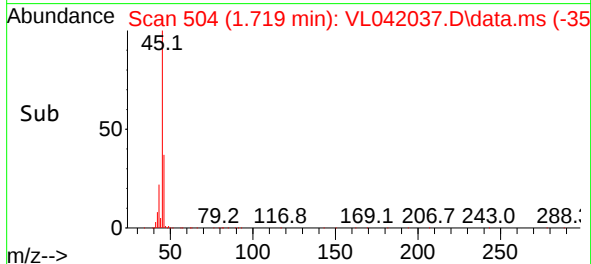
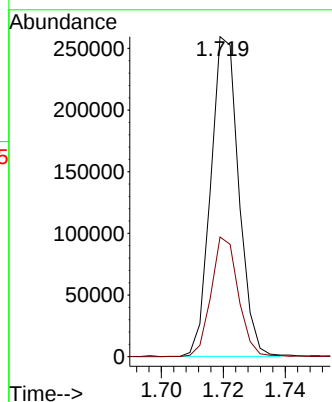
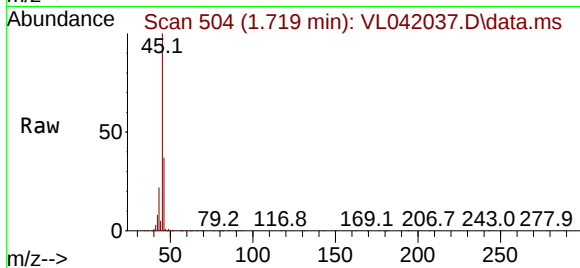
IA1A

Tgt Ion: 45 Resp: 162607

Ion Ratio Lower Upper

45 100

46 36.9 21.3 85.1



#15

Acetone

Concen: 28.717 ppbv

RT: 1.832 min Scan# 539

Delta R.T. -0.010 min

Lab File: VL042037.D

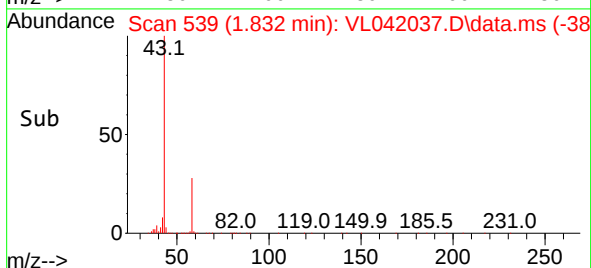
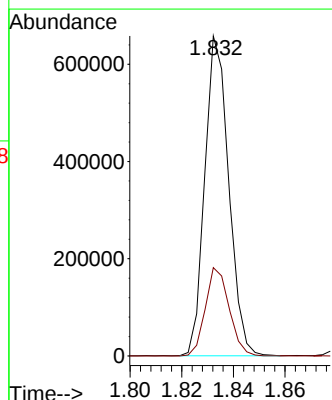
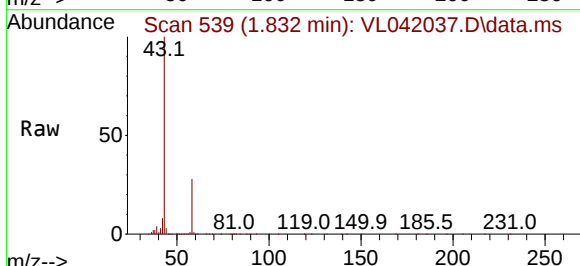
Acq: 21 Feb 2025 12:47

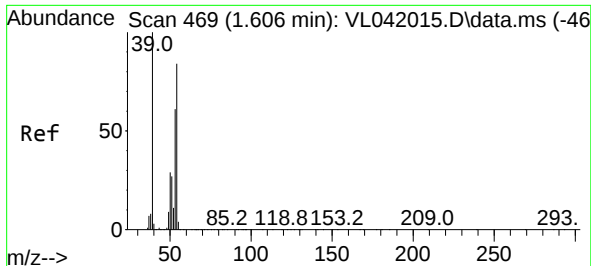
Tgt Ion: 43 Resp: 423547

Ion Ratio Lower Upper

43 100

58 27.5 22.9 34.3





#16

1,3-Butadiene

Concen: 0.960 ppbv

RT: 1.619 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042037.D

Acq: 21 Feb 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

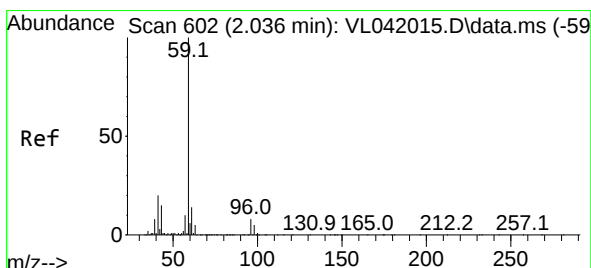
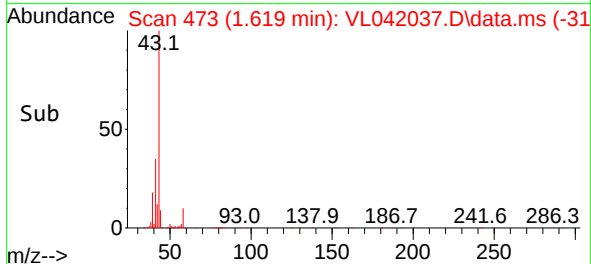
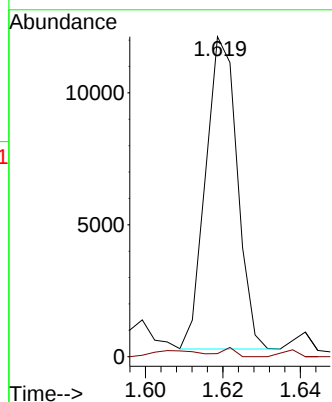
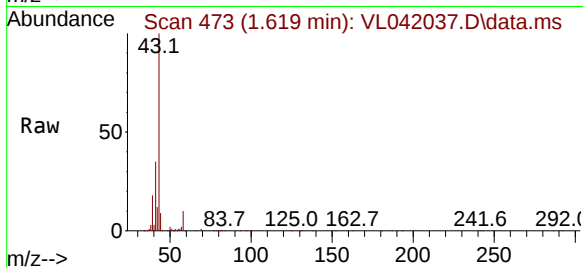
IA1A

Tgt Ion: 39 Resp: 6714

Ion Ratio Lower Upper

39 100

54 5.3 59.4 89.2#



#17

tert-Butyl alcohol

Concen: 0.048 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.010 min

Lab File: VL042037.D

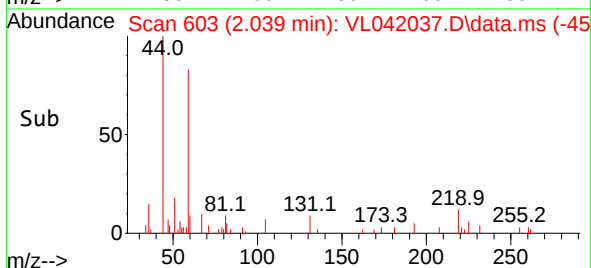
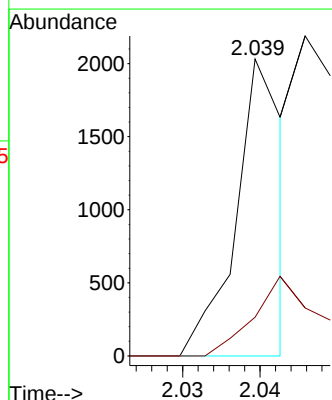
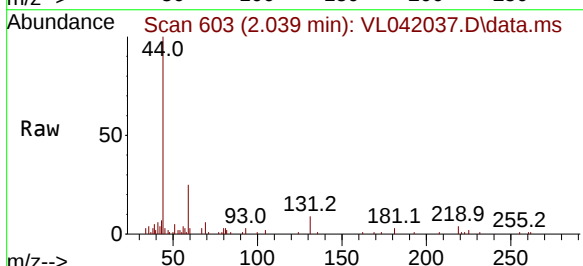
Acq: 21 Feb 2025 12:47

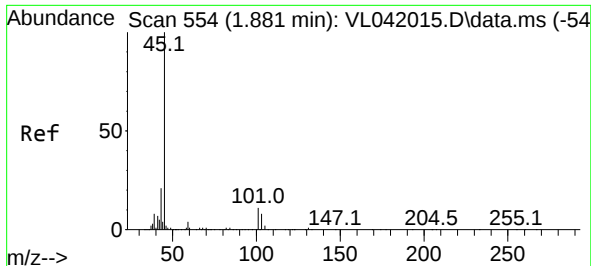
Tgt Ion: 59 Resp: 880

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#

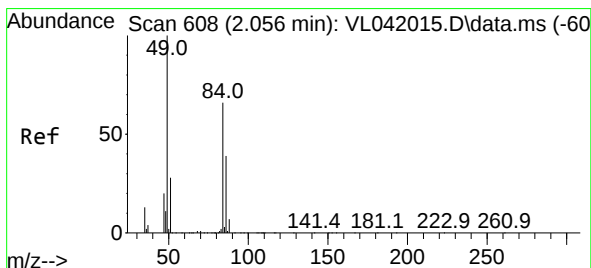
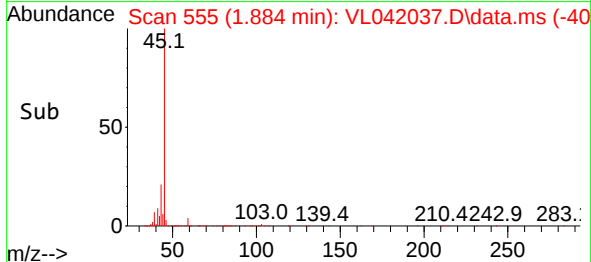
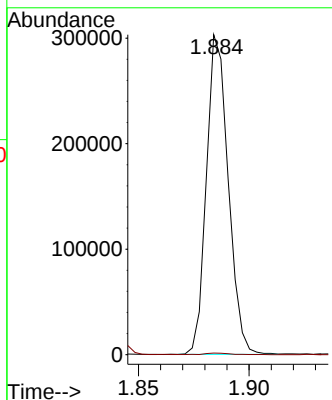
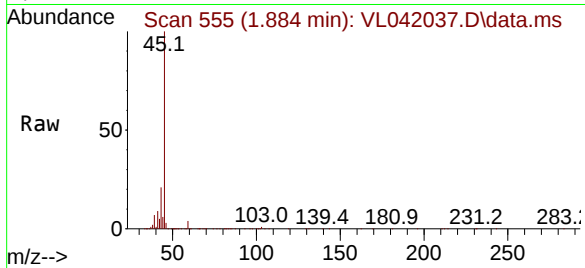




#19
Isopropyl Alcohol
Concen: 25.070 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.010 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

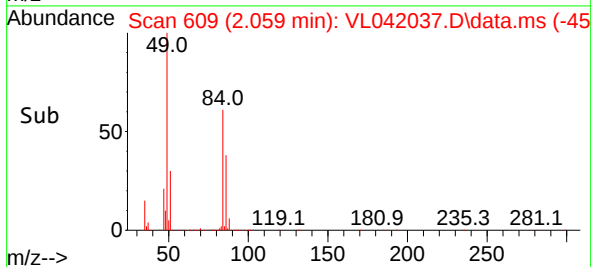
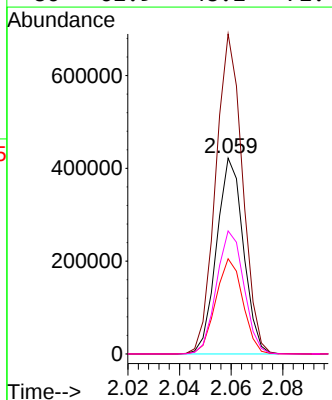
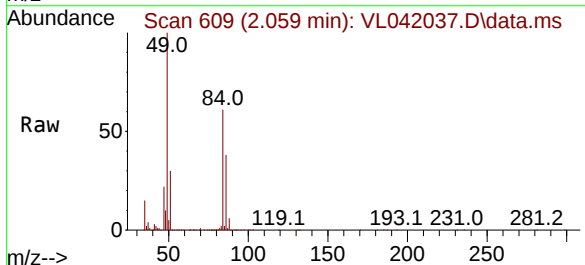
Instrument :
MSVOA_L
ClientSampleId :
IA1A

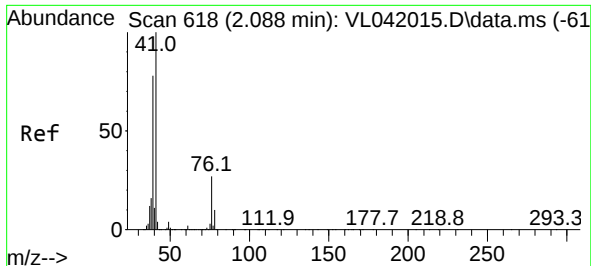
Tgt Ion: 45 Resp: 207336
Ion Ratio Lower Upper
45 100
58 56.2 36.2 54.4#



#20
Methylene Chloride
Concen: 54.864 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion: 84 Resp: 304608
Ion Ratio Lower Upper
84 100
49 163.5 121.0 181.4
51 48.5 35.1 52.7
86 62.9 48.2 72.4

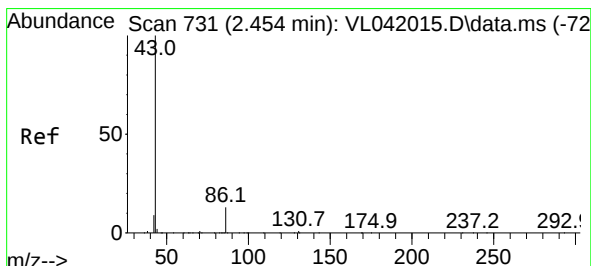
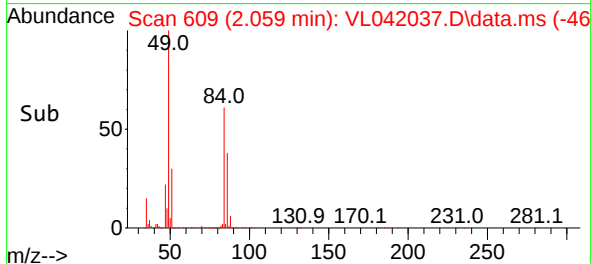
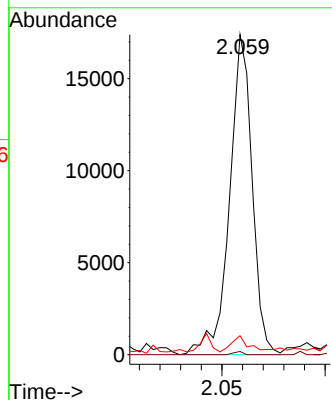
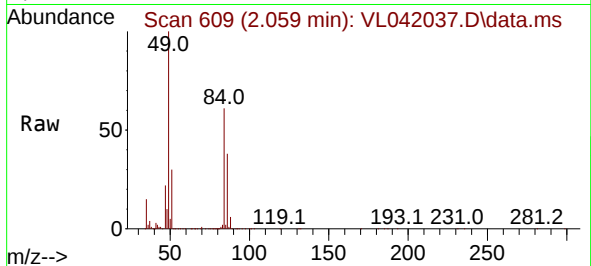




#21
 Allyl Chloride
 Concen: 1.239 ppbv
 RT: 2.059 min Scan# 609
 Delta R.T. -0.045 min
 Lab File: VL042037.D
 Acq: 21 Feb 2025 12:47

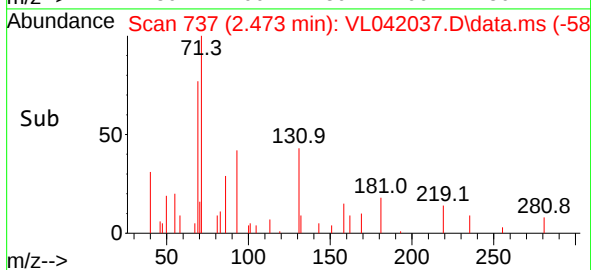
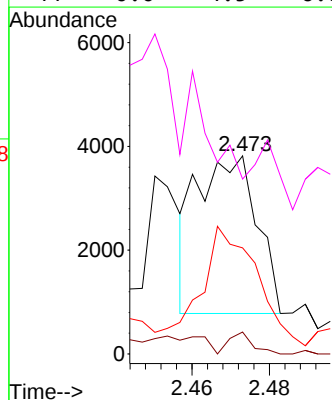
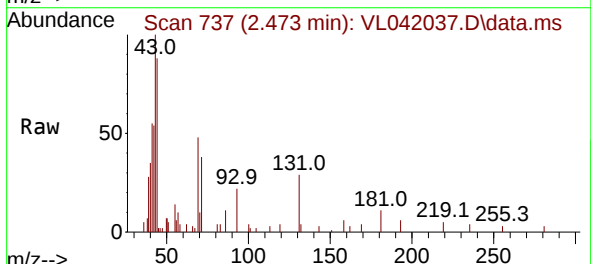
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1A

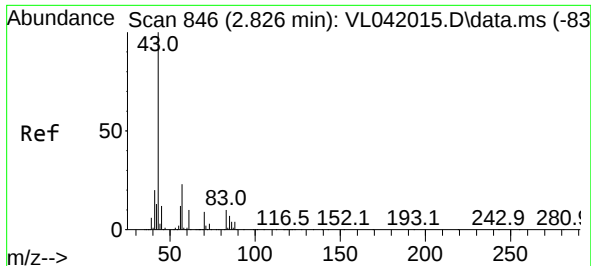
Tgt Ion: 41 Resp: 13227
 Ion Ratio Lower Upper
 41 100
 76 0.4 23.7 35.5#
 39 10.0 63.0 94.6#



#23
 Vinyl Acetate
 Concen: 0.406 ppbv
 RT: 2.473 min Scan# 737
 Delta R.T. 0.000 min
 Lab File: VL042037.D
 Acq: 21 Feb 2025 12:47

Tgt Ion: 43 Resp: 3241
 Ion Ratio Lower Upper
 43 100
 86 13.9 8.1 12.1#
 42 48.1 7.5 11.3#
 44 0.0 4.5 6.7#

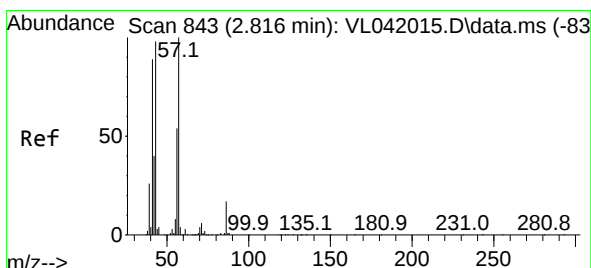
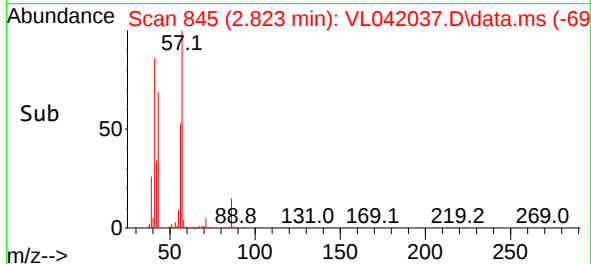
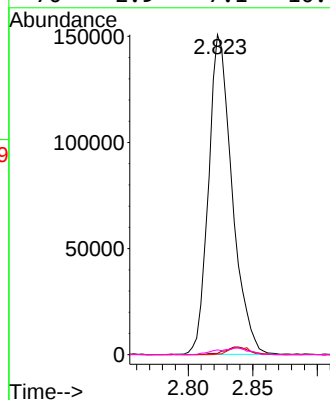
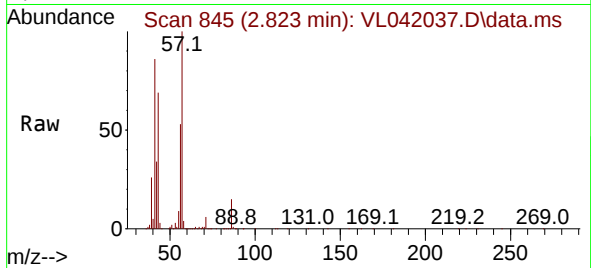




#25
Ethyl Acetate
Concen: 4.736 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.026 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

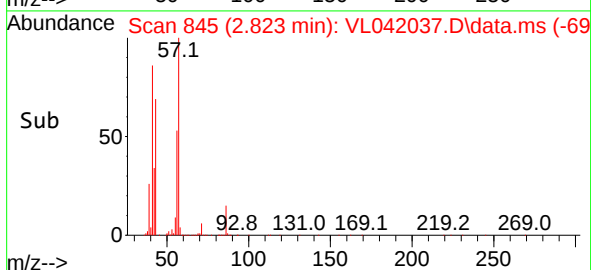
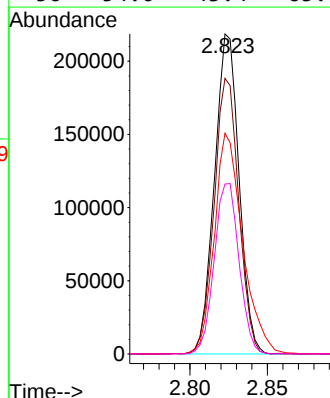
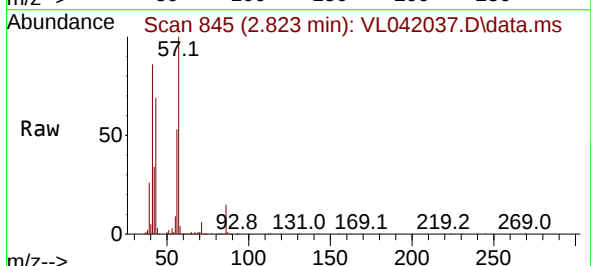
Instrument :
MSVOA_L
ClientSampleId :
IA1A

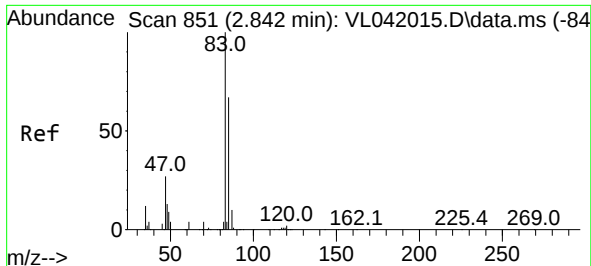
Tgt Ion: 43 Resp: 191731
Ion Ratio Lower Upper
43 100
45 2.5 8.1 12.1#
61 2.1 7.5 11.3#
70 2.9 7.1 10.7#



#26
Hexane
Concen: 14.853 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.016 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion: 57 Resp: 241289
Ion Ratio Lower Upper
57 100
41 86.6 73.2 109.8
43 79.9 200.8 301.2#
56 54.0 43.4 65.0





#29

Chloroform

Concen: 0.206 ppbv

RT: 2.845 min Scan# 851

Delta R.T. -0.016 min

Lab File: VL042037.D

Acq: 21 Feb 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

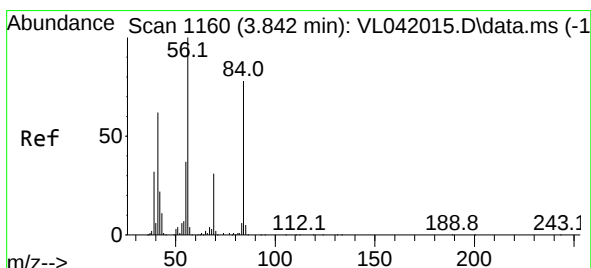
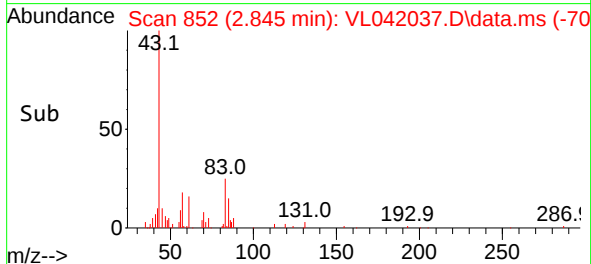
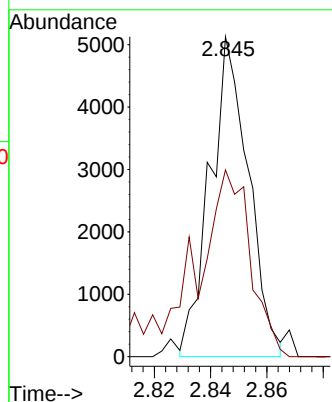
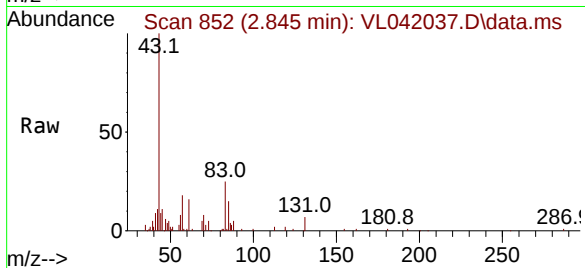
IA1A

Tgt Ion: 83 Resp: 4852

Ion Ratio Lower Upper

83 100

85 57.2 53.8 80.6



#30

Cyclohexane

Concen: 0.040 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.019 min

Lab File: VL042037.D

Acq: 21 Feb 2025 12:47

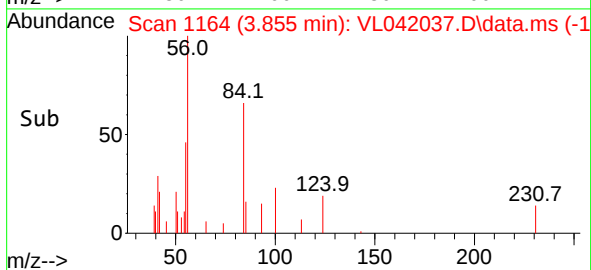
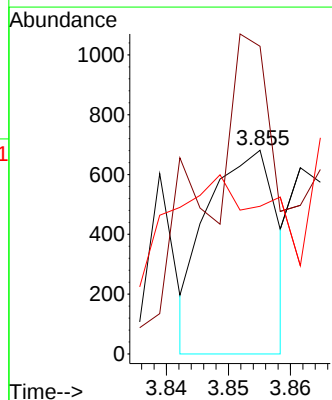
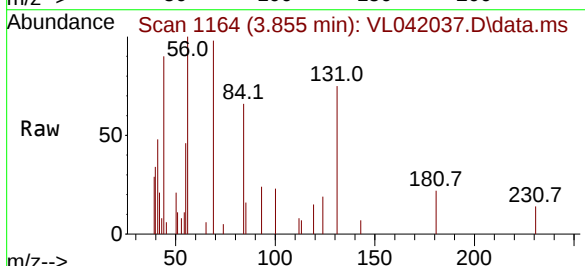
Tgt Ion: 84 Resp: 533

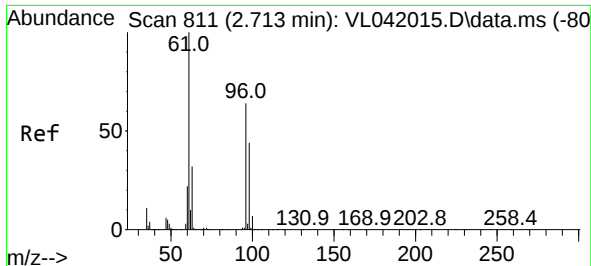
Ion Ratio Lower Upper

84 100

56 247.3 99.5 149.3#

41 0.0 62.2 93.2#

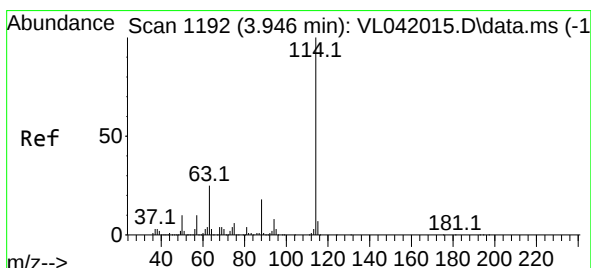
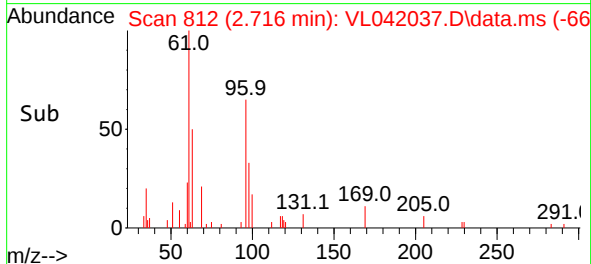
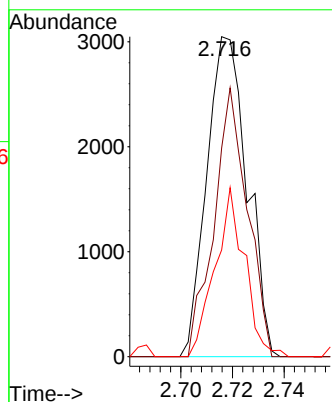
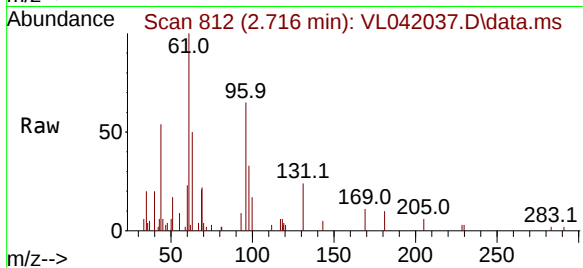




#31
cis-1,2-Dichloroethene
Concen: 0.207 ppbv
RT: 2.716 min Scan# 811
Delta R.T. -0.016 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

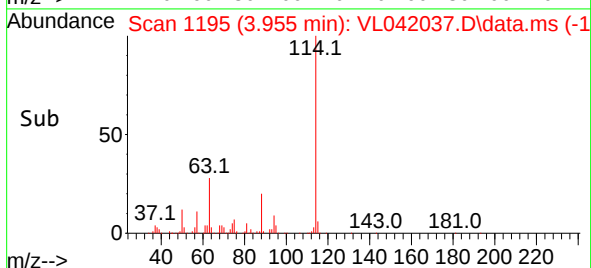
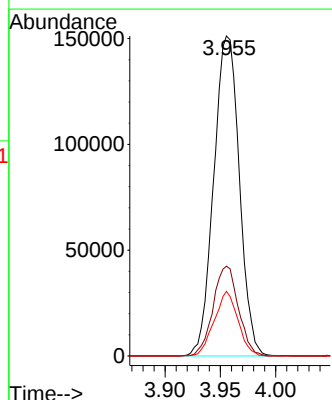
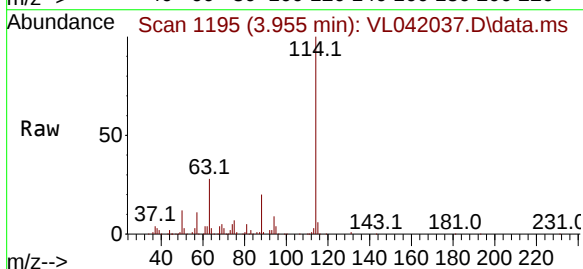
Instrument :
MSVOA_L
ClientSampleId :
IA1A

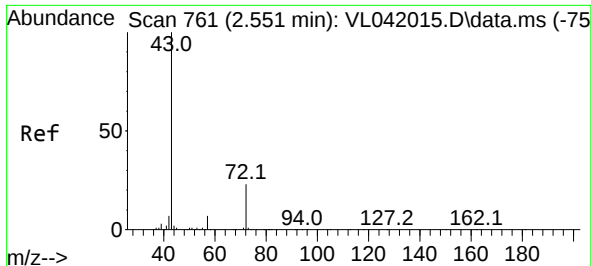
Tgt Ion: 61 Resp: 3320
Ion Ratio Lower Upper
61 100
96 65.2 51.6 77.4
98 33.4 34.8 52.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.022 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion: 114 Resp: 243432
Ion Ratio Lower Upper
114 100
63 27.8 20.2 30.2
88 18.7 14.4 21.6

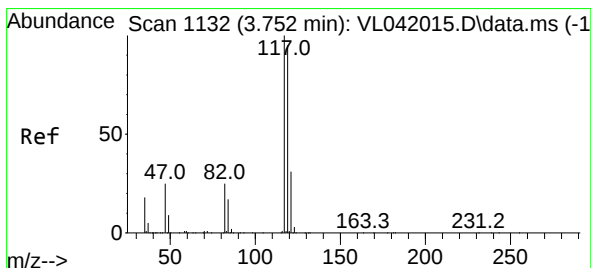
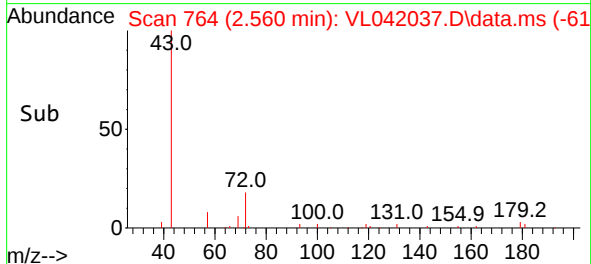
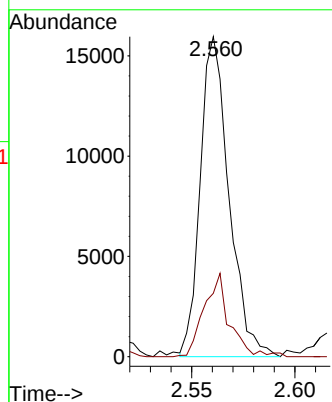
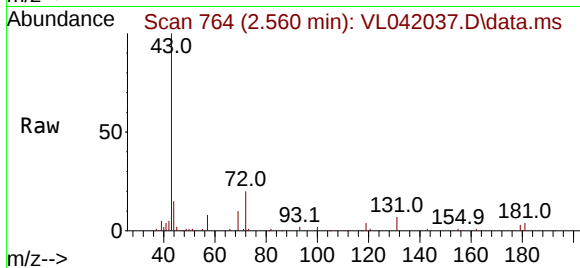




#34
2-Butanone
Concen: 0.739 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.010 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

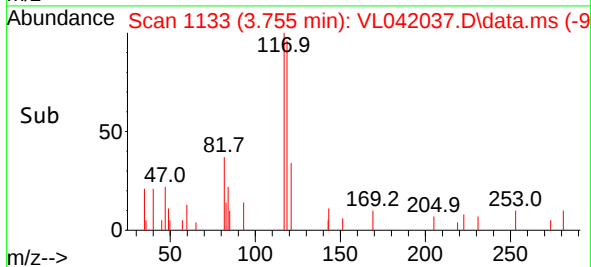
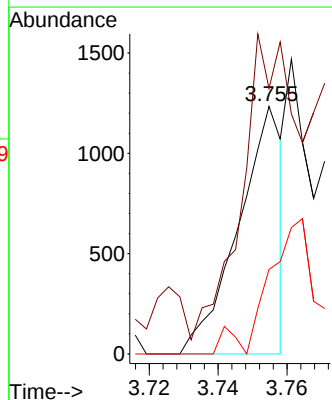
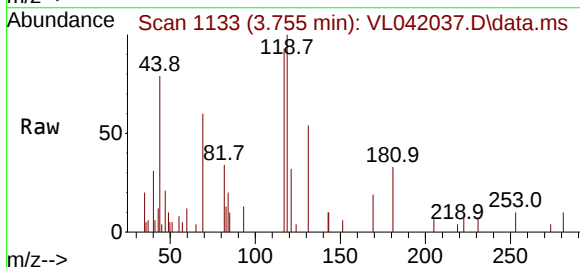
Instrument :
MSVOA_L
ClientSampleId :
IA1A

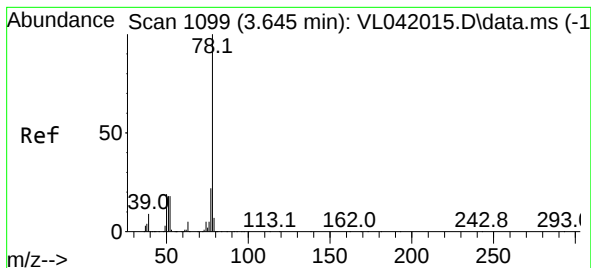
Tgt Ion: 43 Resp: 15472
Ion Ratio Lower Upper
43 100
72 23.0 18.3 27.5



#35
Carbon Tetrachloride
Concen: 0.046 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.026 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion: 117 Resp: 1087
Ion Ratio Lower Upper
117 100
119 84.1 75.8 113.6
121 34.1 24.6 36.8





#36

Benzene

Concen: 0.224 ppbv

RT: 3.654 min Scan# 1102

Delta R.T. -0.019 min

Lab File: VL042037.D

Acq: 21 Feb 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

IA1A

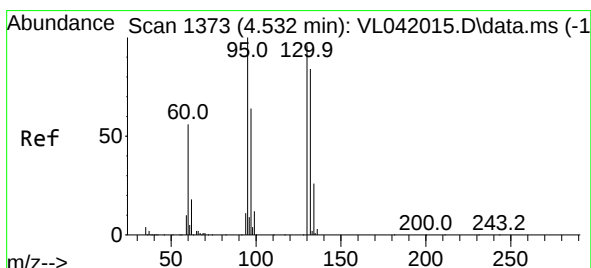
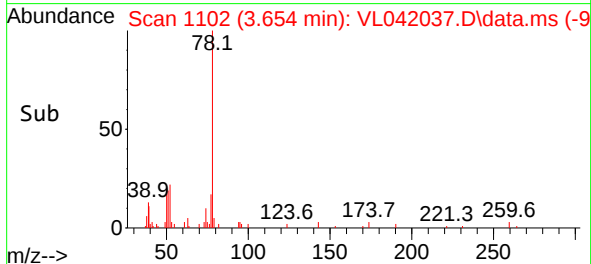
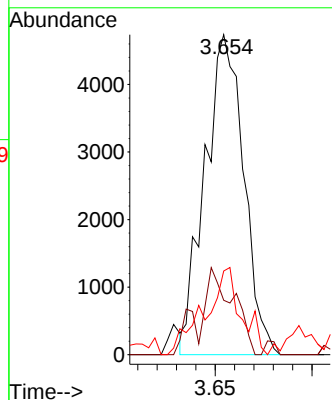
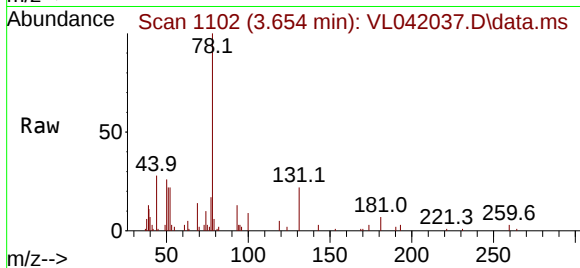
Tgt Ion: 78 Resp: 6606

Ion Ratio Lower Upper

78 100

77 17.0 18.0 27.0#

50 25.0 15.2 22.8#



#38

Trichloroethene

Concen: 0.165 ppbv

RT: 4.538 min Scan# 1375

Delta R.T. -0.029 min

Lab File: VL042037.D

Acq: 21 Feb 2025 12:47

Tgt Ion: 130 Resp: 1979

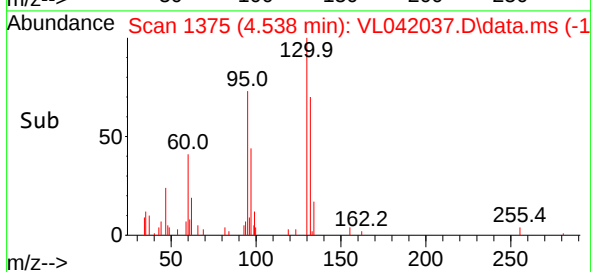
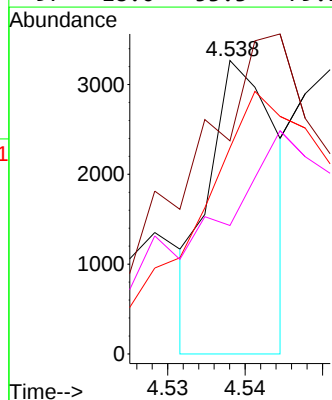
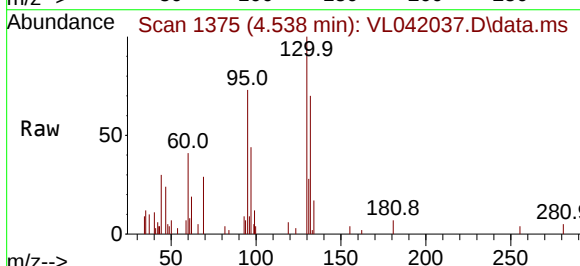
Ion Ratio Lower Upper

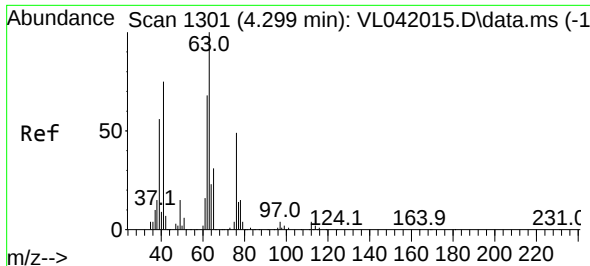
130 100

95 36.3 82.8 124.2#

132 58.3 70.0 105.0#

97 18.0 53.3 79.9#





#39

1,2-Dichloropropane

Concen: 6.256 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.379 min

Lab File: VL042037.D

Acq: 21 Feb 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

IA1A

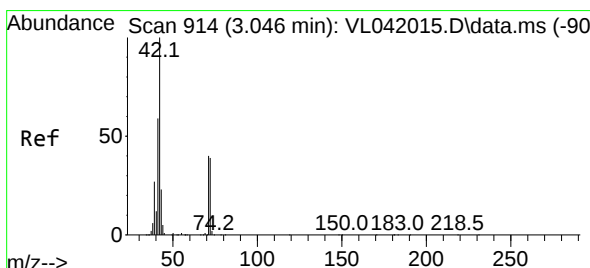
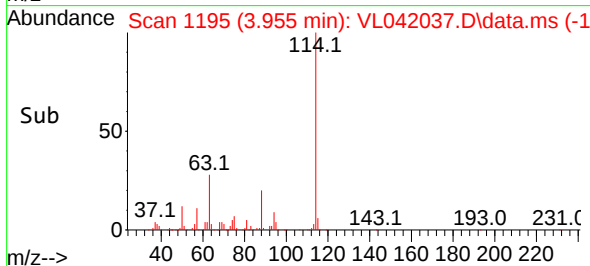
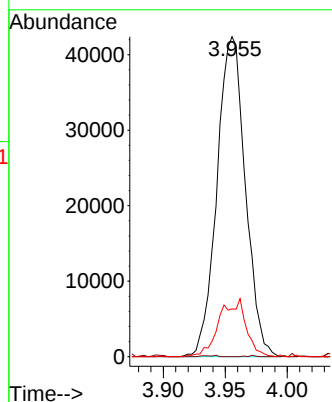
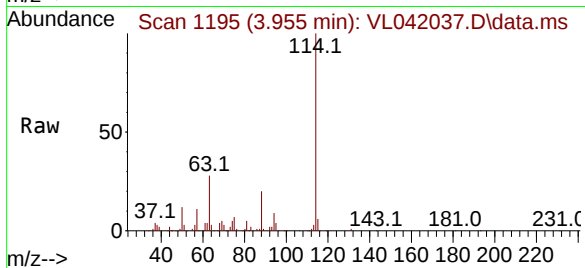
Tgt Ion: 63 Resp: 67637

Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

62 14.9 54.0 81.0#



#41

Tetrahydrofuran

Concen: 0.446 ppbv

RT: 3.062 min Scan# 919

Delta R.T. -0.006 min

Lab File: VL042037.D

Acq: 21 Feb 2025 12:47

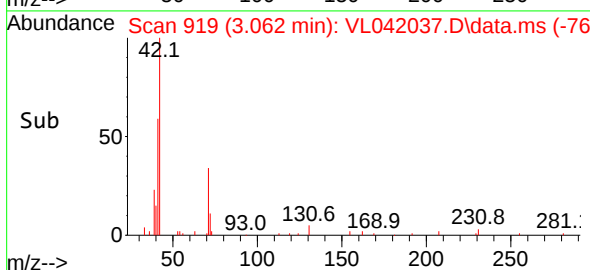
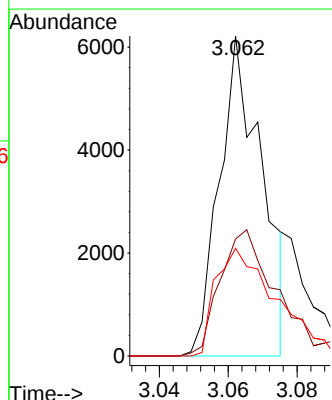
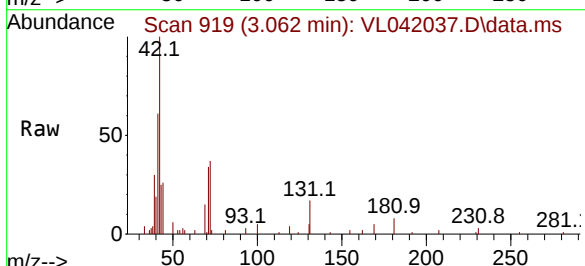
Tgt Ion: 42 Resp: 5339

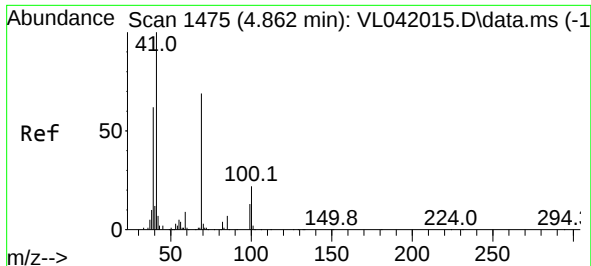
Ion Ratio Lower Upper

42 100

72 53.2 32.3 48.5#

71 48.4 30.9 46.3#

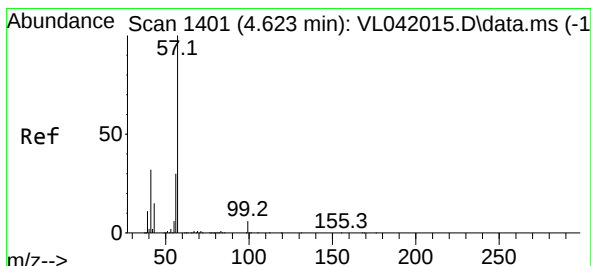
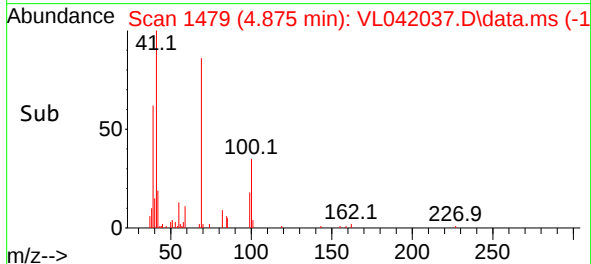
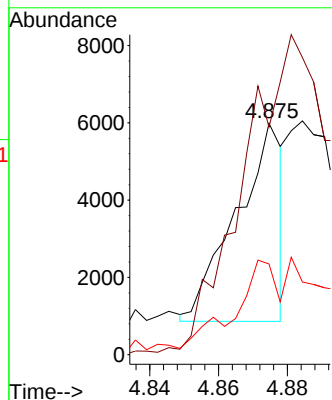
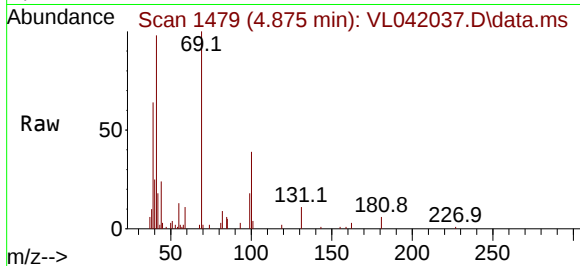




#43
Methyl Methacrylate
Concen: 0.353 ppbv
RT: 4.875 min Scan# 1475
Delta R.T. -0.029 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

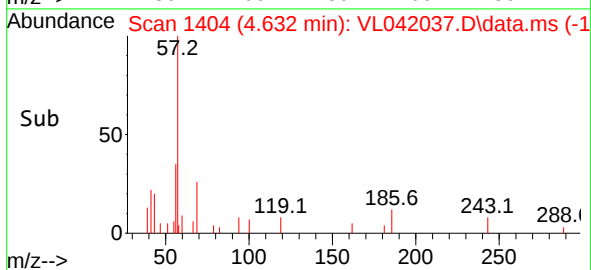
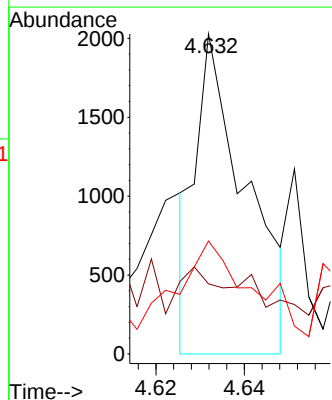
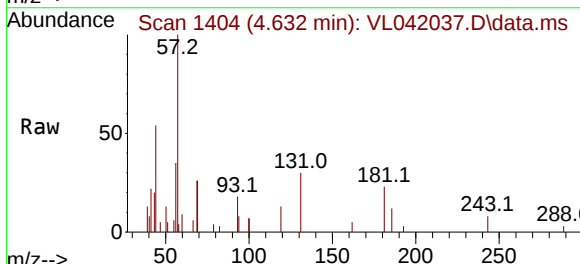
Instrument :
MSVOA_L
ClientSampleId :
IA1A

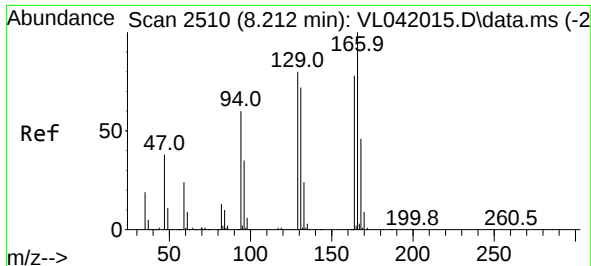
Tgt Ion: 69 Resp: 4750
Ion Ratio Lower Upper
69 100
41 0.0 114.9 172.3#
100 0.0 28.8 43.2#



#44
2,2,4-Trimethylpentane
Concen: 0.032 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.032 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion: 57 Resp: 1598
Ion Ratio Lower Upper
57 100
41 82.0 25.9 38.9#
56 85.6 24.9 37.3#

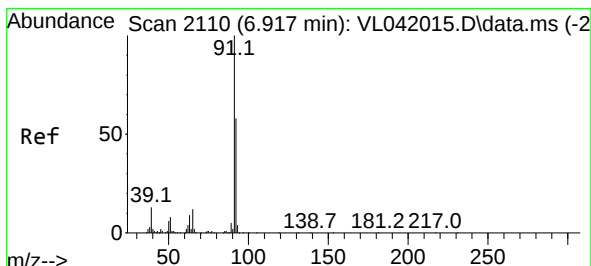
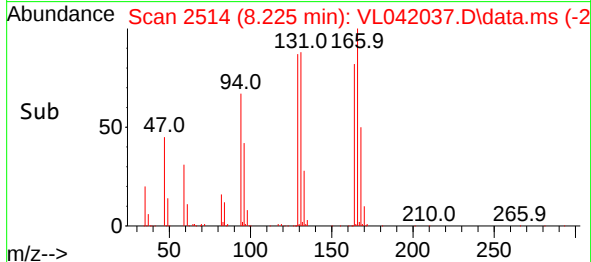
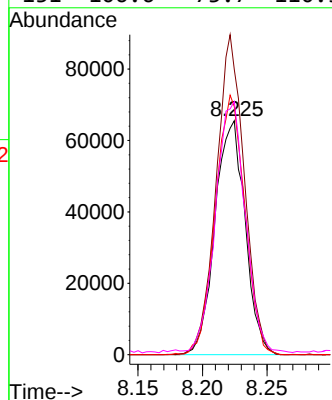
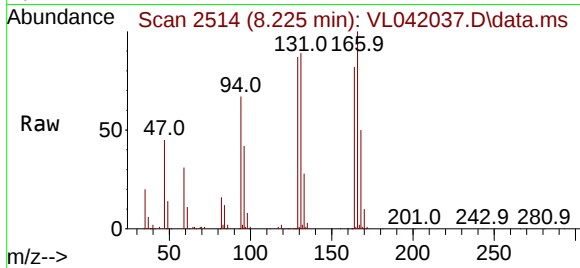




#52
Tetrachloroethene
Concen: 10.299 ppbv
RT: 8.225 min Scan# 2113
Delta R.T. -0.019 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

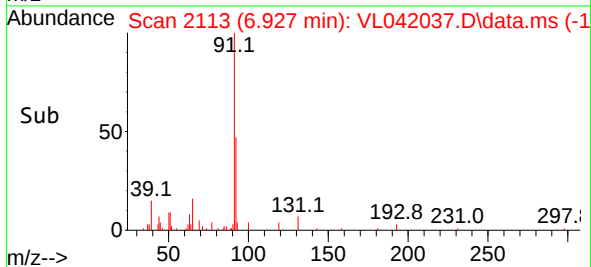
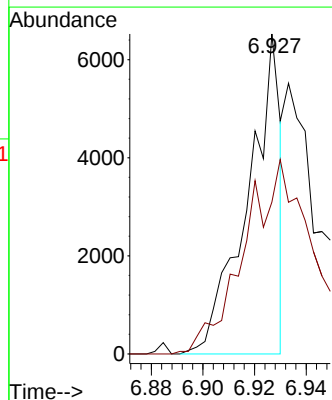
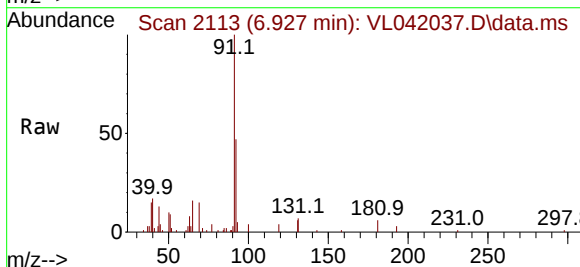
Instrument :
MSVOA_L
ClientSampleId :
IA1A

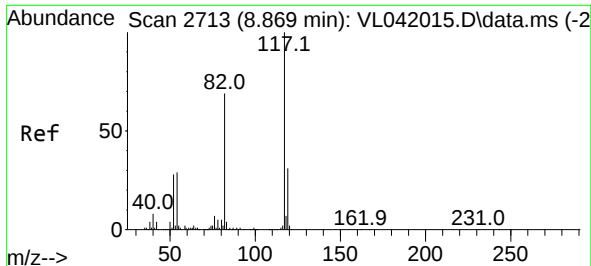
Tgt Ion:164 Resp: 105923
Ion Ratio Lower Upper
164 100
166 121.8 102.2 153.2
129 106.1 82.2 123.4
131 106.6 73.7 110.5



#53
Toluene
Concen: 0.164 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.029 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion: 91 Resp: 5770
Ion Ratio Lower Upper
91 100
92 0.0 47.5 71.3#

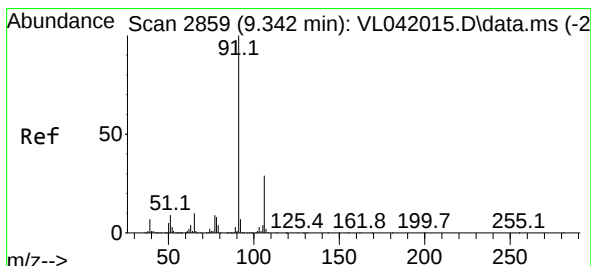
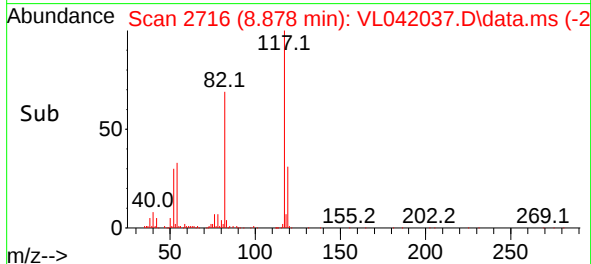
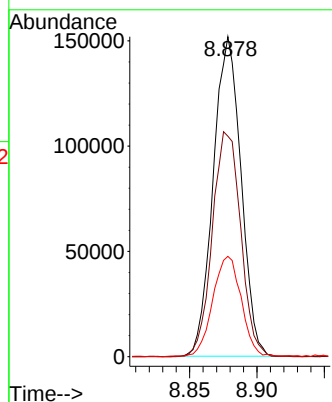
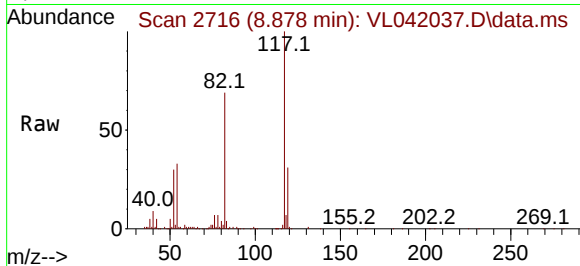




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

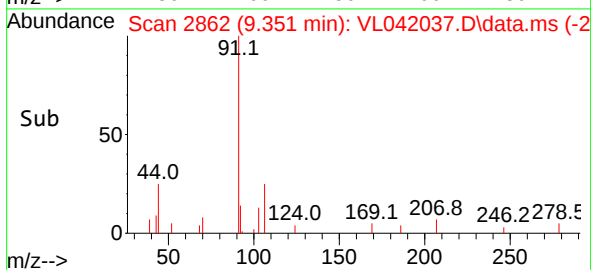
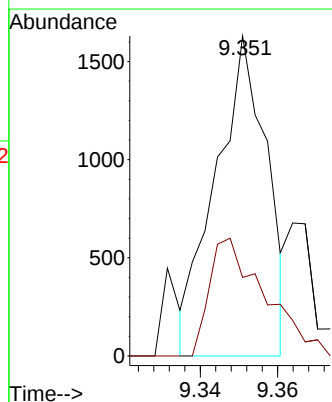
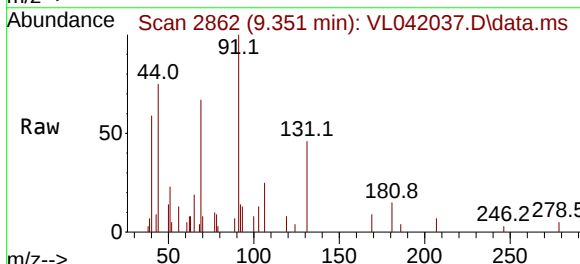
Instrument :
MSVOA_L
ClientSampleId :
IA1A

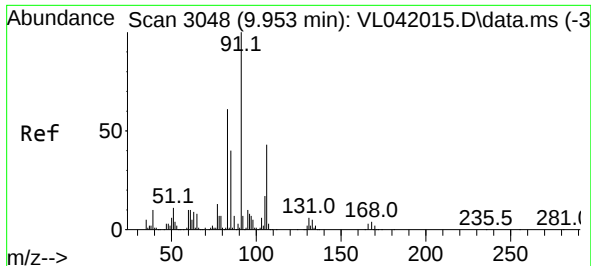
Tgt Ion:117 Resp: 217289
Ion Ratio Lower Upper
117 100
82 72.1 55.7 83.5
119 32.6 25.2 37.8



#58
Ethyl Benzene
Concen: 0.031 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.019 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion: 91 Resp: 1496
Ion Ratio Lower Upper
91 100
106 28.6 23.1 34.7

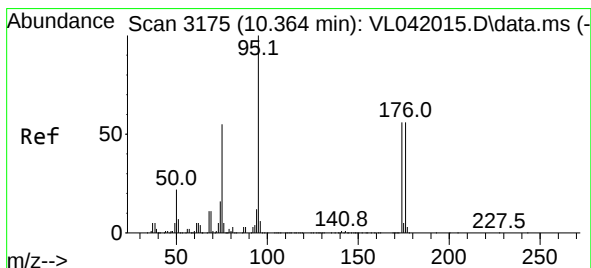
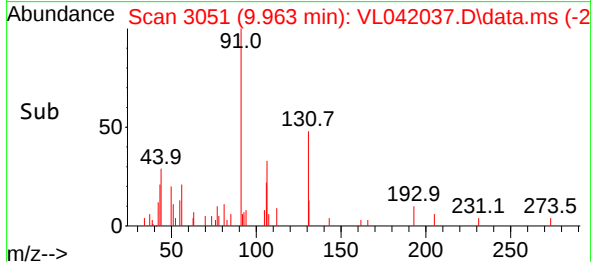
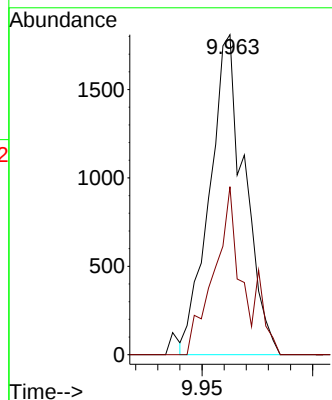
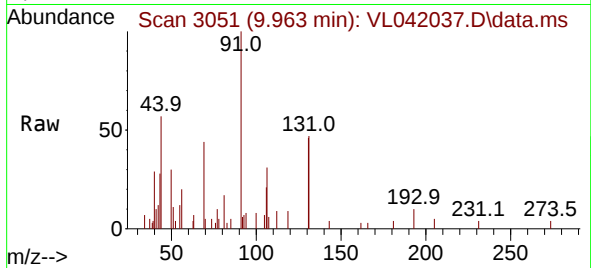




#60
o-Xylene
Concen: 0.053 ppbv
RT: 9.963 min Scan# 3048
Delta R.T. -0.016 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

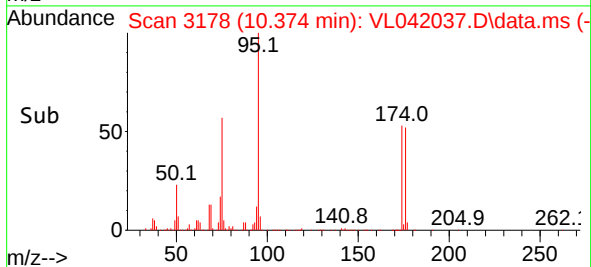
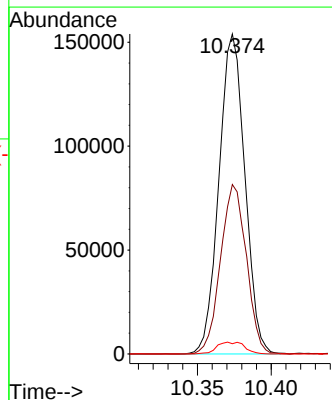
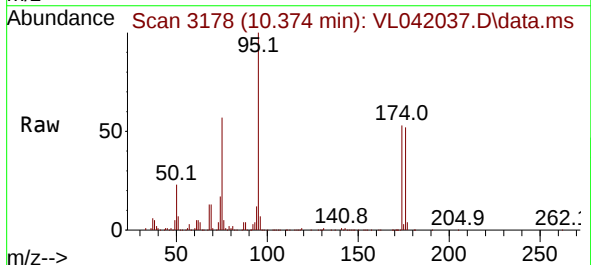
Instrument :
MSVOA_L
ClientSampleId :
IA1A

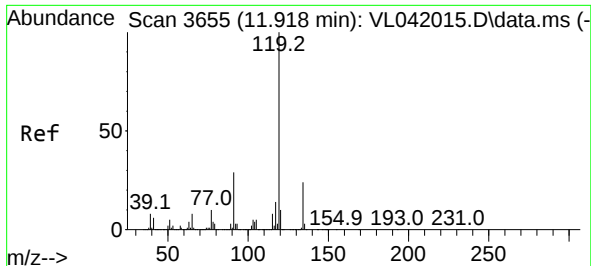
Tgt Ion: 91 Resp: 1996
Ion Ratio Lower Upper
91 100
106 44.7 21.4 64.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.489 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.016 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion: 95 Resp: 187999
Ion Ratio Lower Upper
95 100
174 52.9 46.7 70.1
175 4.0 3.7 5.5

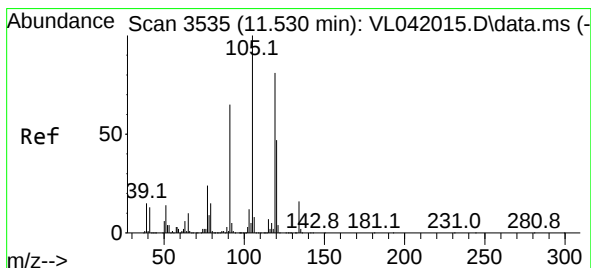
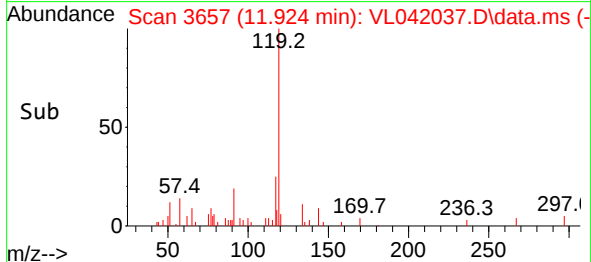
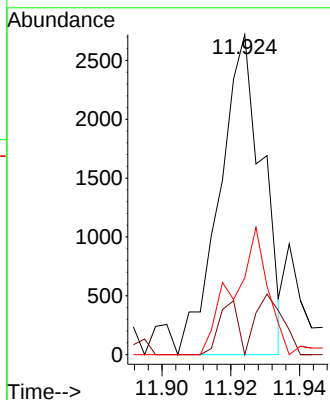
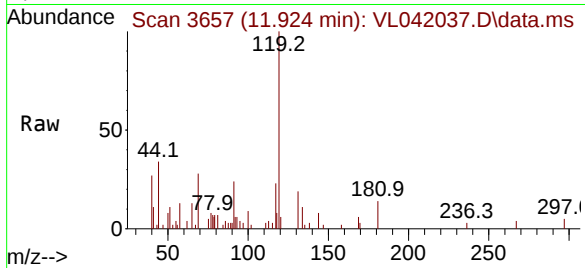




#69
p-Isopropyltoluene
Concen: 0.041 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.016 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

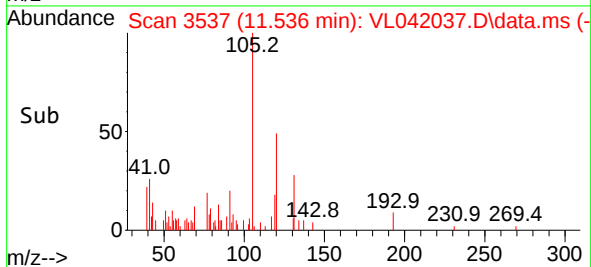
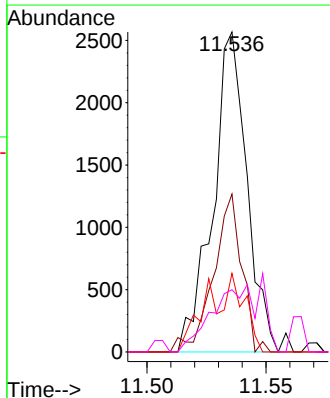
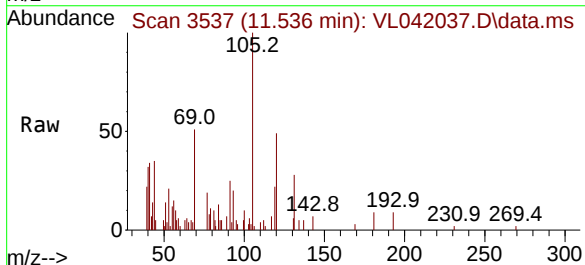
Instrument :
MSVOA_L
ClientSampleId :
IA1A

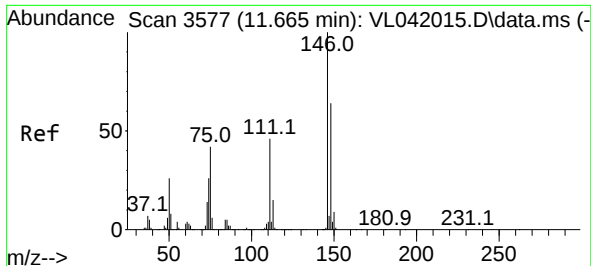
Tgt Ion:	119	Resp:	2344
Ion	Ratio	Lower	Upper
119	100		
134	21.3	19.4	29.0
91	33.7	23.4	35.2



#74
1,2,4-Trimethylbenzene
Concen: 0.062 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.016 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion:	105	Resp:	2542
Ion	Ratio	Lower	Upper
105	100		
120	49.3	37.5	56.3
91	24.6	51.7	77.5#
77	19.5	18.8	28.2

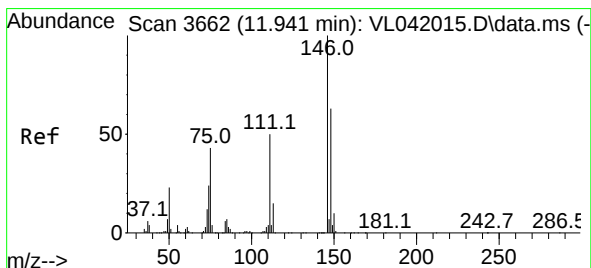
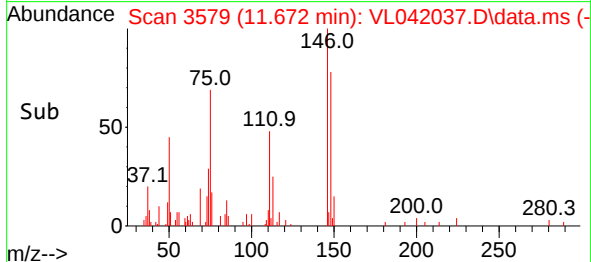
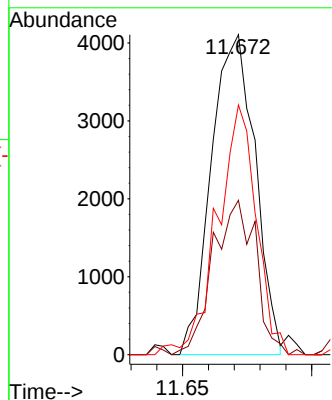
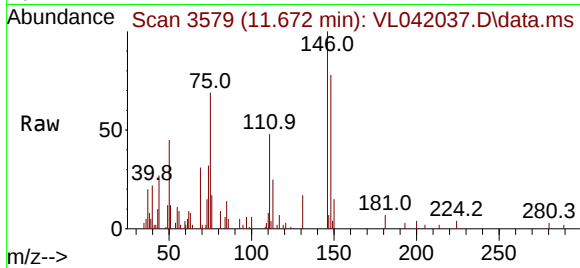




#76
1,4-Dichlorobenzene
Concen: 0.224 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.013 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

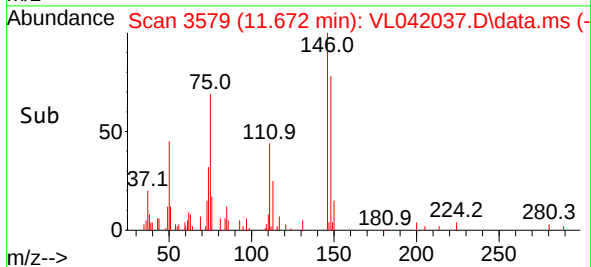
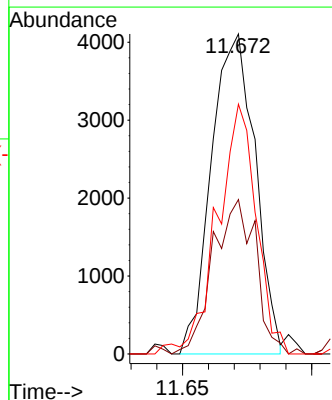
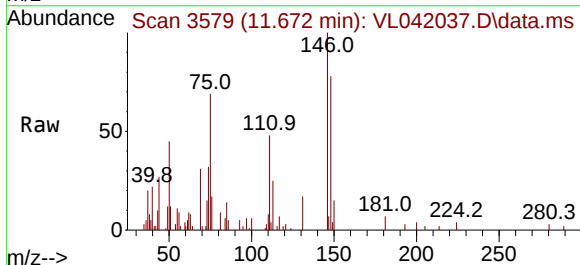
Instrument :
MSVOA_L
ClientSampleId :
IA1A

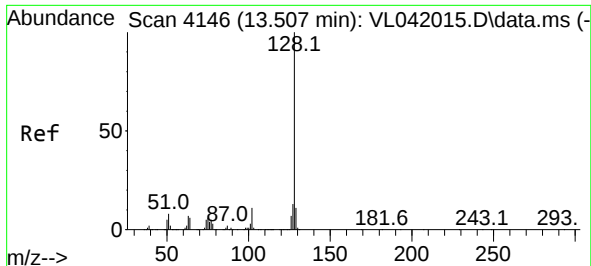
Tgt Ion:146 Resp: 4837
Ion Ratio Lower Upper
146 100
111 49.6 23.5 70.5
148 69.7 32.3 96.9



#77
1,2-Dichlorobenzene
Concen: 0.229 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.288 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

Tgt Ion:146 Resp: 4837
Ion Ratio Lower Upper
146 100
111 48.0 25.6 76.8
148 69.9 31.9 95.7

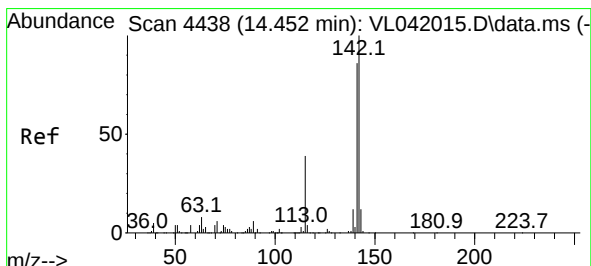
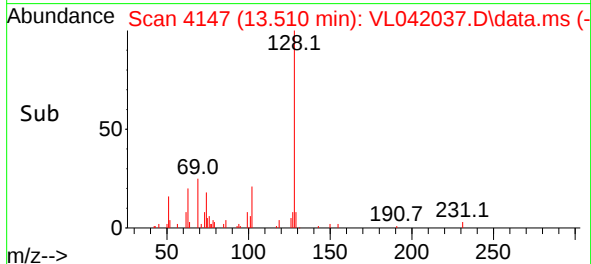
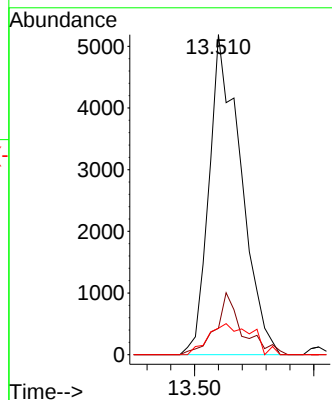
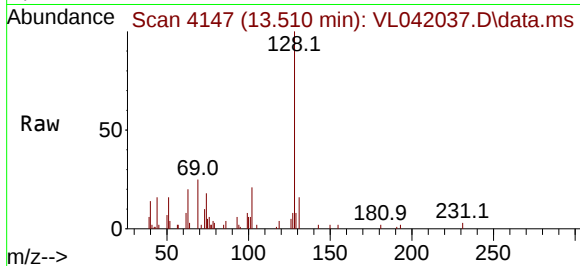




#79
Naphthalene
Concen: 0.119 ppbv
RT: 13.510 min Scan# 4146
Delta R.T. -0.016 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

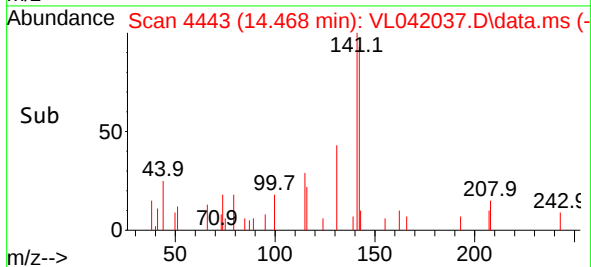
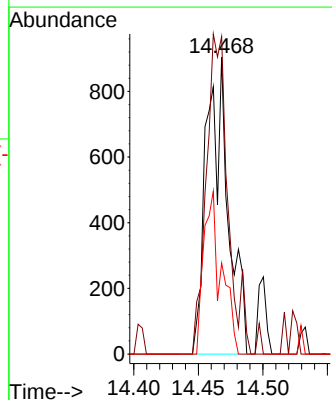
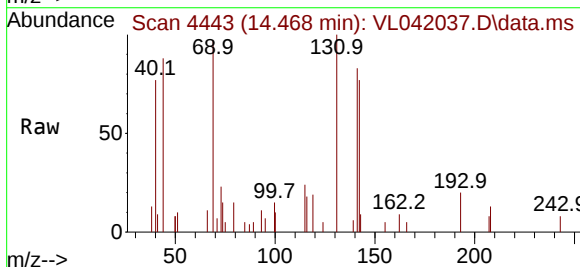
Instrument :
MSVOA_L
ClientSampleId :
IA1A

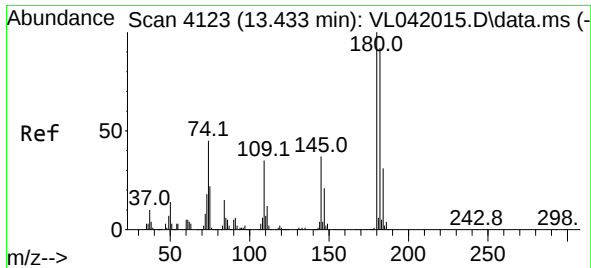
Tgt Ion:128 Resp: 4810
Ion Ratio Lower Upper
128 100
127 8.2 10.2 15.2#
129 8.3 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 0.064 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. -0.003 min
Lab File: VL042037.D
Acq: 21 Feb 2025 12:47

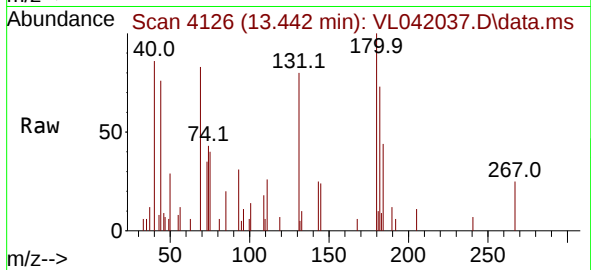
Tgt Ion:142 Resp: 1172
Ion Ratio Lower Upper
142 100
141 98.5 68.2 102.2
115 40.4 33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.072 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL042037.D
 Acq: 21 Feb 2025 12:47

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1A



Tgt Ion:	180	Resp:	1179
Ion	Ratio	Lower	Upper
180	100		
182	83.2	75.8	113.6
184	31.2	24.2	36.4

