

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042368.D
 Acq On : 17 Apr 2025 21:12
 Operator : SY/MD
 Sample : Q1726-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-2-03312025

Quant Time: Apr 18 02:43:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	119191	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	333003	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	297493	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	243044	9.942	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	9795	0.465	ppbv	96
3) Chlorodifluoromethane	1.467	51	69957	3.489	ppbv #	62
4) Chloromethane	1.531	50	11453	1.374	ppbv	96
6) Bromomethane	1.671	94	234	0.060	ppbv #	8
7) Chloroethane	1.703	64	346	0.105	ppbv #	85
9) Propene	1.557	41	125014	13.689	ppbv	97
10) Heptane	4.982	43	76723	2.990	ppbv	97
11) Trichlorofluoromethane	1.878	101	4992	0.249	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.140	101	1393	0.085	ppbv	95
13) Ethanol	1.722	45	334088	230.163	ppbv	75
15) Acetone	1.836	43	3440620	176.335	ppbv #	36
16) 1,3-Butadiene	1.622	39	31987	3.428	ppbv #	17
17) tert-Butyl alcohol	2.276	59	37546	1.553	ppbv	99
19) Isopropyl Alcohol	1.887	45	473769	43.709	ppbv #	33
20) Methylene Chloride	2.062	84	40932	5.357	ppbv	94
21) Allyl Chloride	2.046	41	4879	0.362	ppbv #	22
23) Vinyl Acetate	2.457	43	36701	4.647	ppbv #	91
25) Ethyl Acetate	2.826	43	63042	1.310	ppbv #	86
26) Hexane	2.826	57	82957	4.261	ppbv #	35
27) Carbon Disulfide	2.150	76	919	0.044	ppbv #	42
30) Cyclohexane	3.855	84	15212	0.967	ppbv #	91
34) 2-Butanone	2.561	43	40042	1.520	ppbv	99
35) Carbon Tetrachloride	3.768	117	2143	0.071	ppbv #	67
36) Benzene	3.658	78	32372	0.901	ppbv	98
37) 1,2-Dichloroethane	3.221	62	3461	0.161	ppbv #	96
39) 1,2-Dichloropropane	3.956	63	86880	6.491	ppbv #	22
41) Tetrahydrofuran	3.066	42	4138	0.269	ppbv #	79
44) 2,2,4-Trimethylpentane	4.642	57	521960	8.414	ppbv	96
50) 4-Methyl-2-Pentanone	5.762	43	2346	0.054	ppbv #	1
51) 2-Hexanone	7.442	43	4683	0.119	ppbv #	27
52) Tetrachloroethene	8.234	164	1006	0.072	ppbv #	76
53) Toluene	6.933	91	806485	18.711	ppbv	99
58) Ethyl Benzene	9.358	91	214751	3.643	ppbv	99
59) m/p-Xylene	9.532	91	599749	12.631	ppbv	100
60) o-Xylene	9.966	91	238681	4.992	ppbv	99
61) Styrene	9.875	104	9022	0.395	ppbv	95
62) Isopropylbenzene	10.539	105	23690	0.337	ppbv	96
64) n-propylbenzene	10.989	120	18420	1.044	ppbv	85
65) tert-Butylbenzene	11.539	119	37957	0.588	ppbv #	71
66) Benzyl Chloride	11.539	91	43222	6.096	ppbv #	74
67) sec-Butylbenzene	11.766	105	8800	0.098	ppbv #	50
69) p-Isopropyltoluene	11.928	119	14319	0.184	ppbv	96
70) n-Butylbenzene	12.280	91	19345	0.238	ppbv #	82

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Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

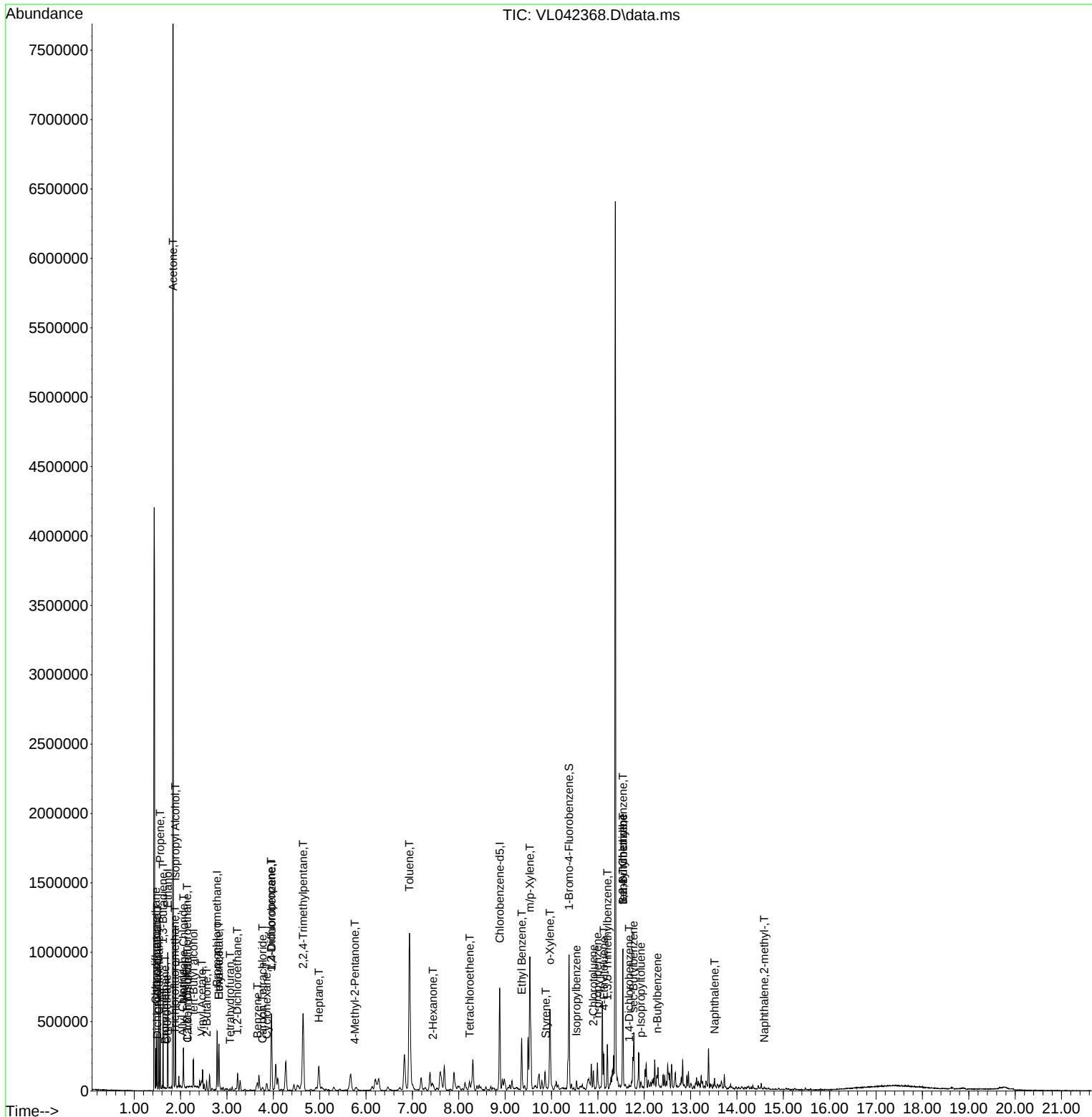
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

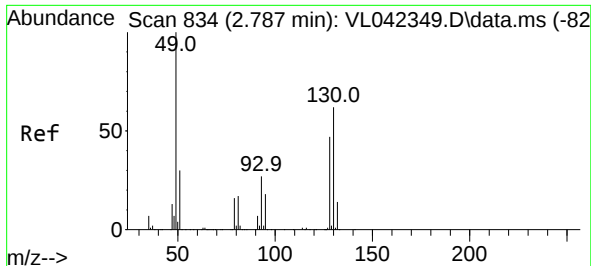
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	10.905	91	28490	0.517	ppbv	99
72) 4-Ethyltoluene	11.128	105	107491	1.839	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.206	105	109907	2.130	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	349266	5.794	ppbv #	64
76) 1,4-Dichlorobenzene	11.672	146	3251	0.103	ppbv	93
79) Naphthalene	13.517	128	30244	0.420	ppbv	99
80) Naphthalene,2-methyl-	14.588	142	4067	0.099	ppbv	96

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

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QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

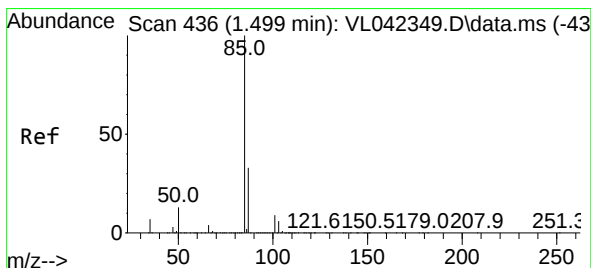
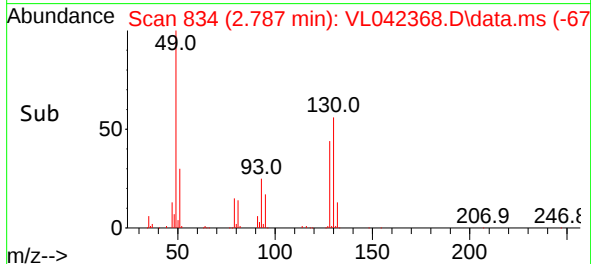
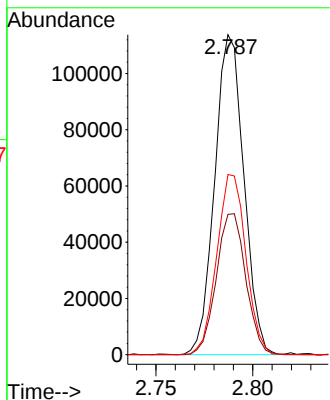
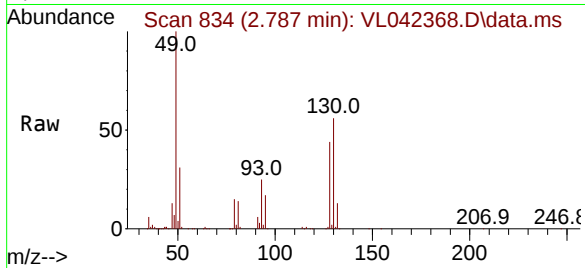




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

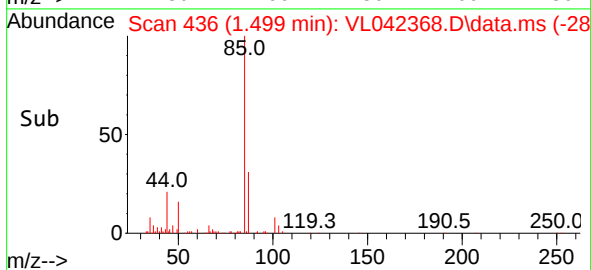
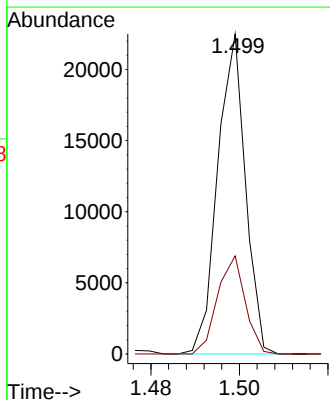
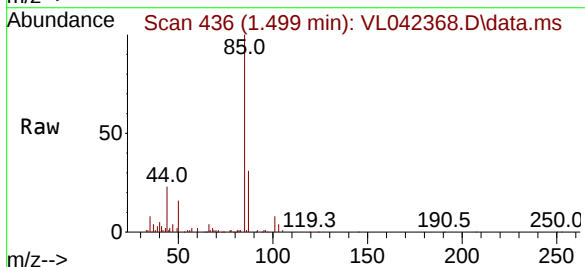
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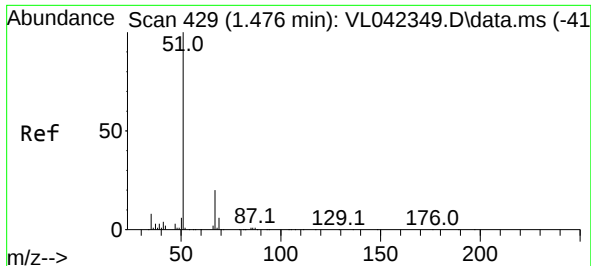
Tgt Ion: 49 Resp: 119191
Ion Ratio Lower Upper
49 100
128 44.4 22.8 68.4
130 56.2 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.465 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 85 Resp: 9795
Ion Ratio Lower Upper
85 100
87 30.7 26.6 39.8

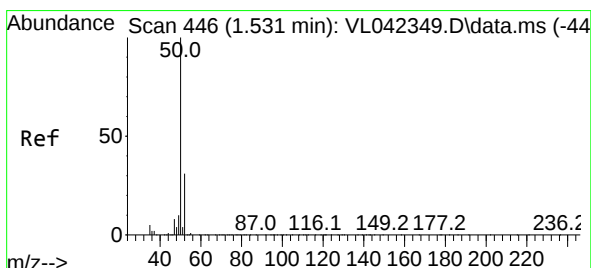
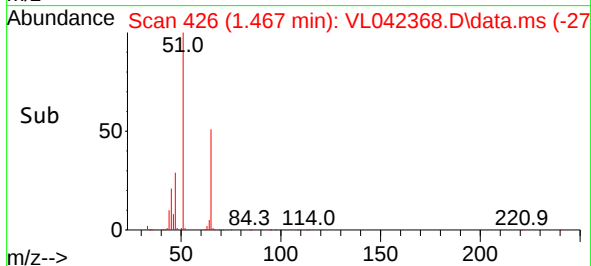
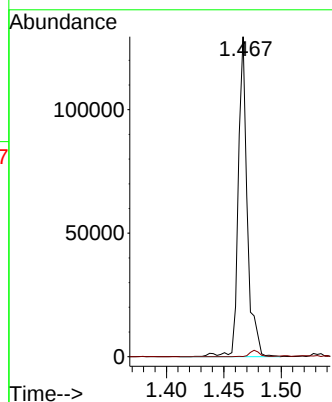
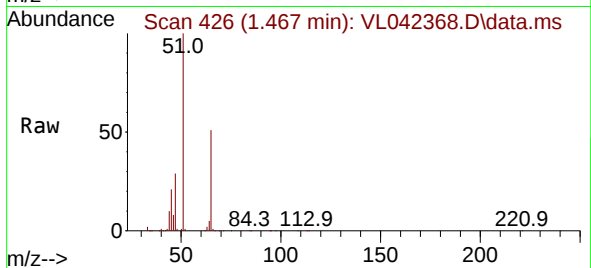




#3
Chlorodifluoromethane
Concen: 3.489 ppbv
RT: 1.467 min Scan# 41
Delta R.T. -0.009 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

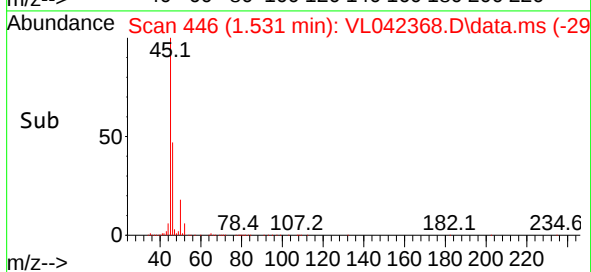
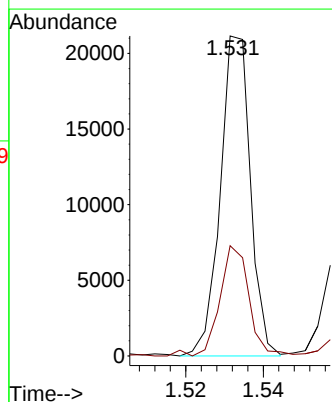
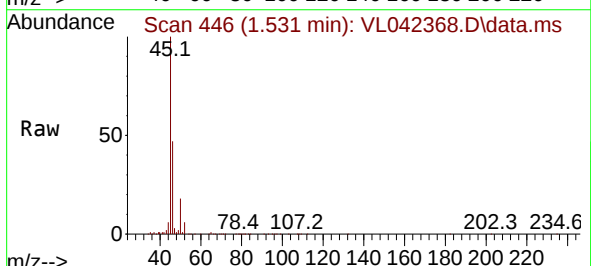
Instrument :
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ClientSampleId :
IA-B2-2-03312025

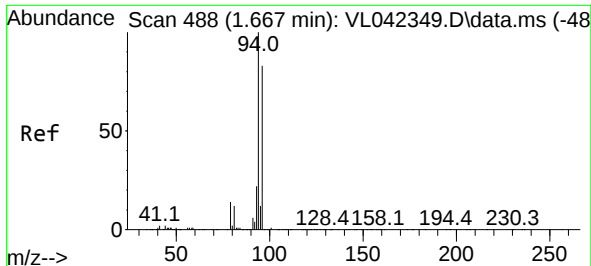
Tgt Ion: 51 Resp: 69957
Ion Ratio Lower Upper
51 100
67 2.6 16.2 24.4#



#4
Chloromethane
Concen: 1.374 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 50 Resp: 11453
Ion Ratio Lower Upper
50 100
52 33.2 24.7 37.1

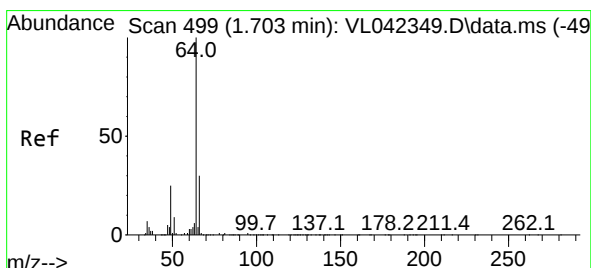
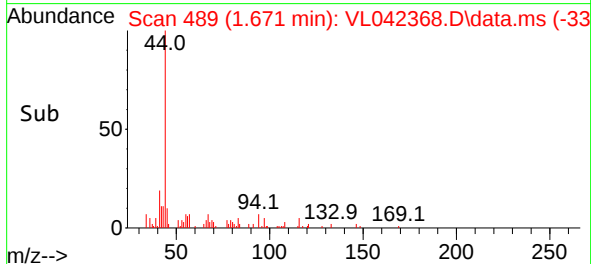
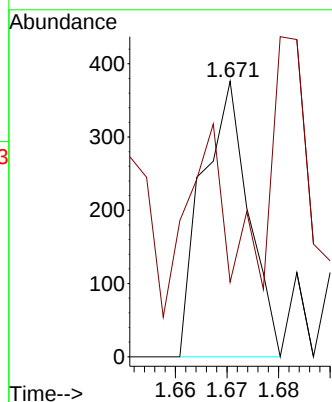
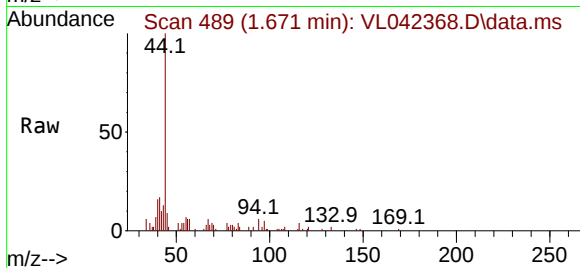




#6
Bromomethane
Concen: 0.060 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.004 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

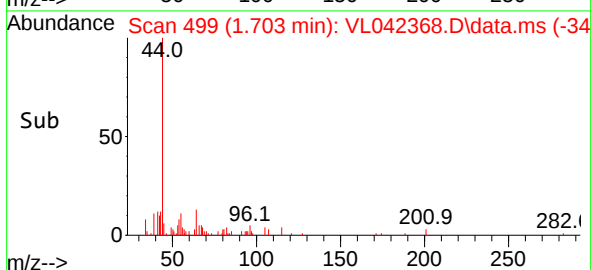
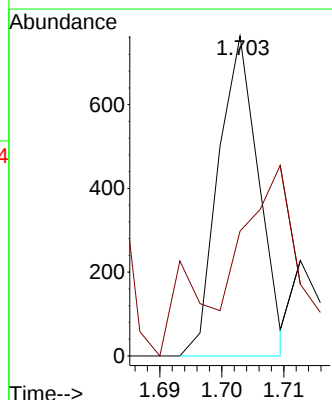
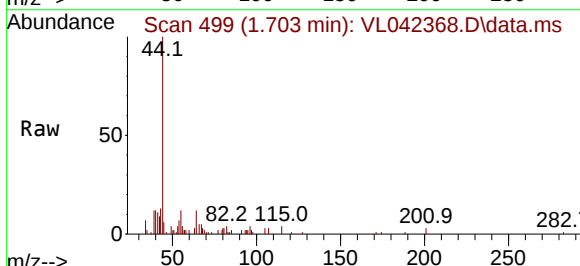
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

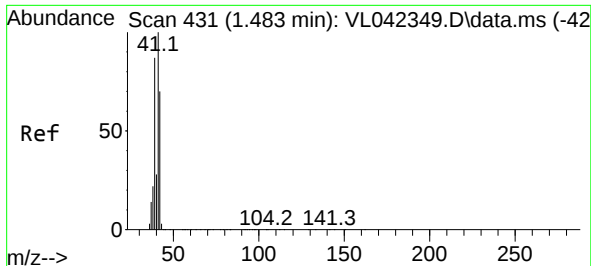
Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 0.0 66.2 99.2#



#7
Chloroethane
Concen: 0.105 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 64 Resp: 346
Ion Ratio Lower Upper
64 100
66 39.0 24.6 37.0#

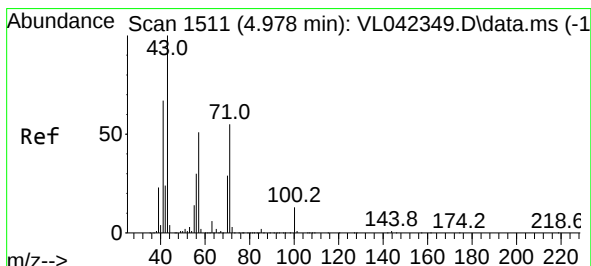
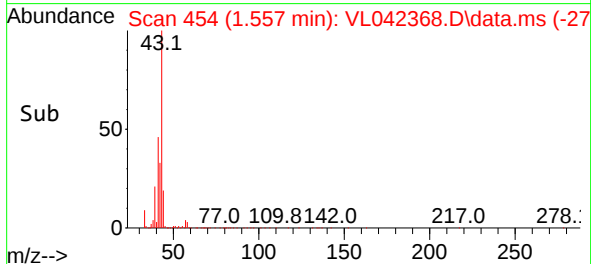
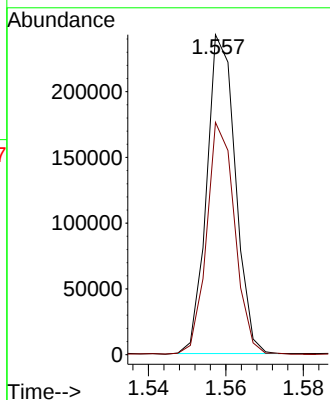
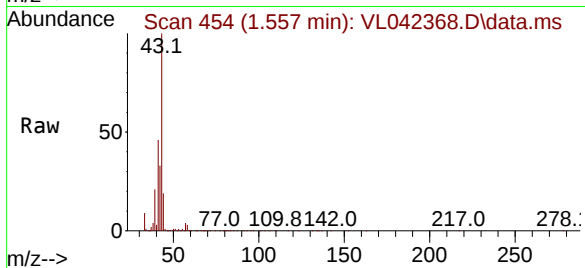




#9
Propene
Concen: 13.689 ppbv
RT: 1.557 min Scan# 41
Delta R.T. 0.075 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

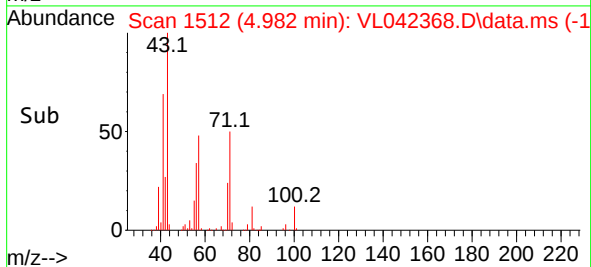
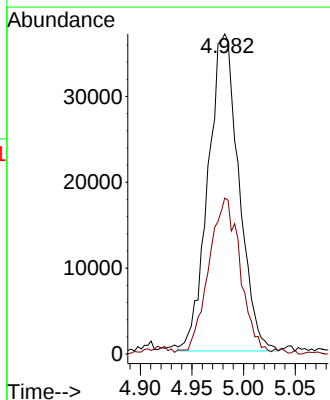
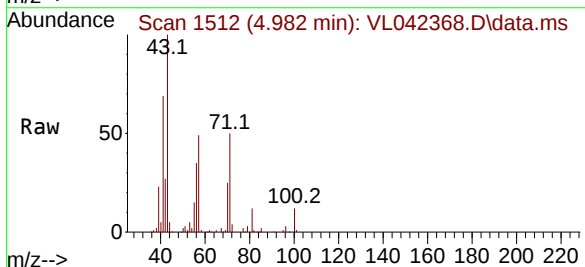
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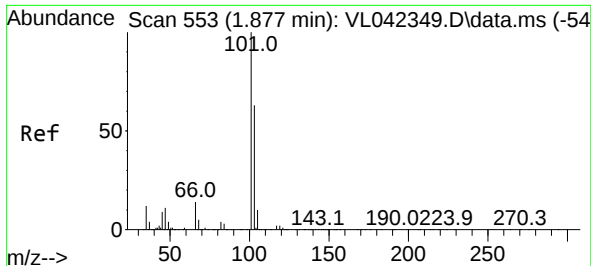
Tgt Ion: 41 Resp: 125014
Ion Ratio Lower Upper
41 100
42 72.6 56.2 84.4



#10
Heptane
Concen: 2.990 ppbv
RT: 4.982 min Scan# 1512
Delta R.T. 0.004 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 43 Resp: 76723
Ion Ratio Lower Upper
43 100
57 51.7 39.9 59.9

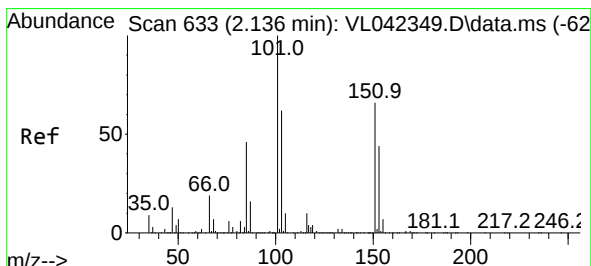
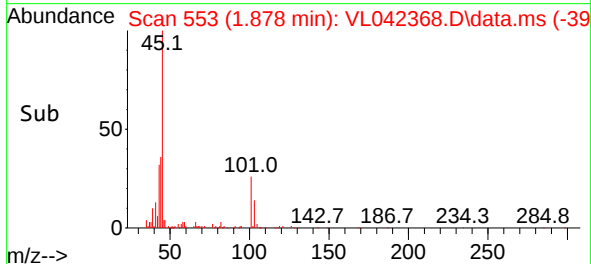
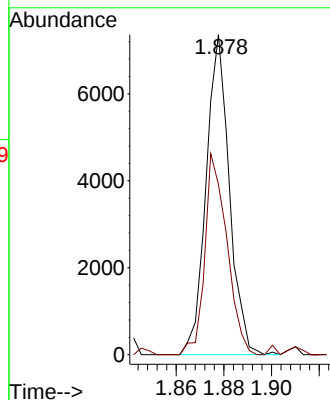
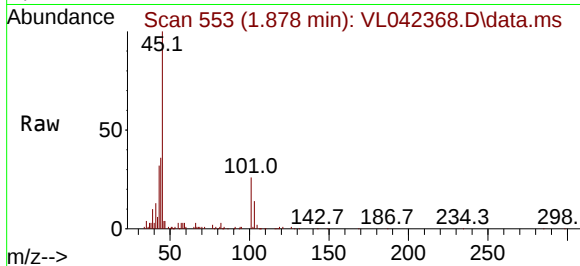




#11
 Trichlorofluoromethane
 Concen: 0.249 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042368.D
 Acq: 17 Apr 2025 21:12

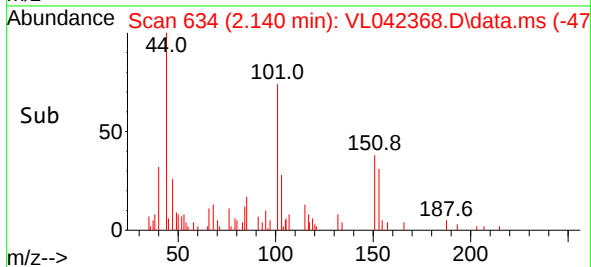
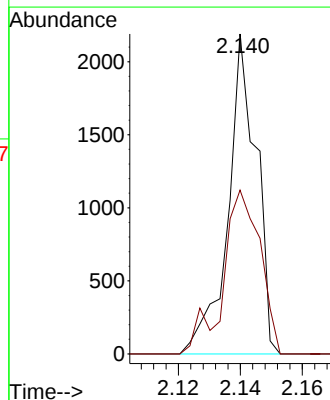
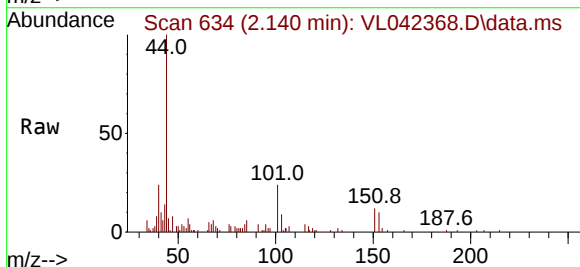
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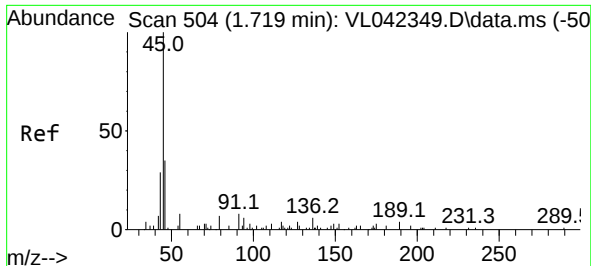
Tgt Ion:101 Resp: 4992
 Ion Ratio Lower Upper
 101 100
 103 53.2 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.085 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.004 min
 Lab File: VL042368.D
 Acq: 17 Apr 2025 21:12

Tgt Ion:101 Resp: 1393
 Ion Ratio Lower Upper
 101 100
 151 67.3 57.0 85.6

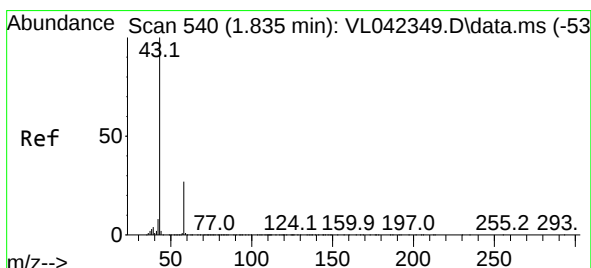
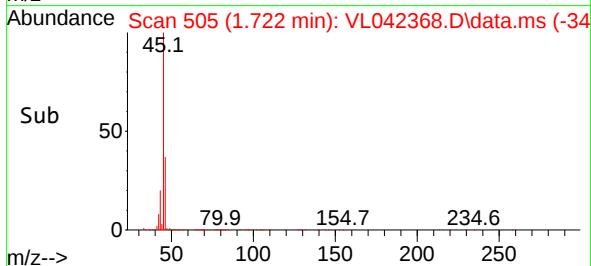
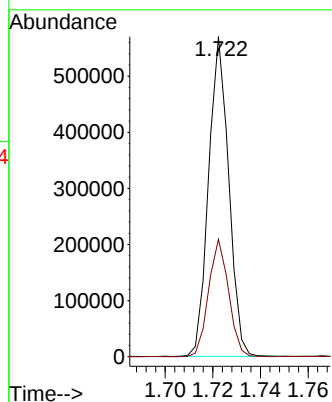
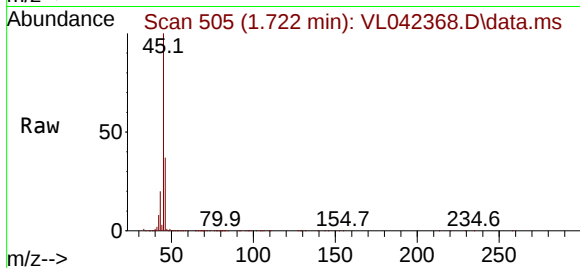




#13
Ethanol
Concen: 230.163 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

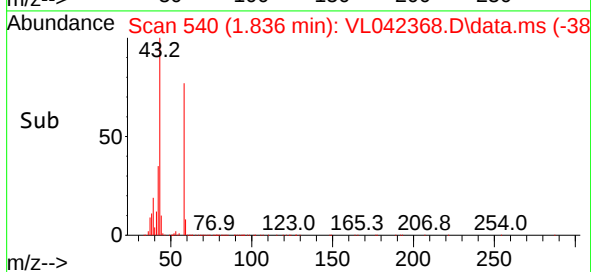
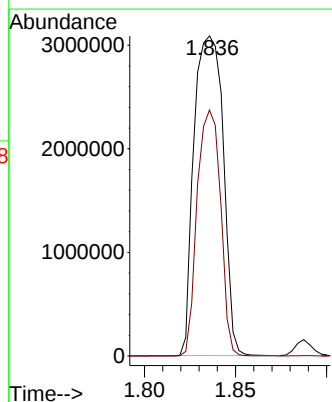
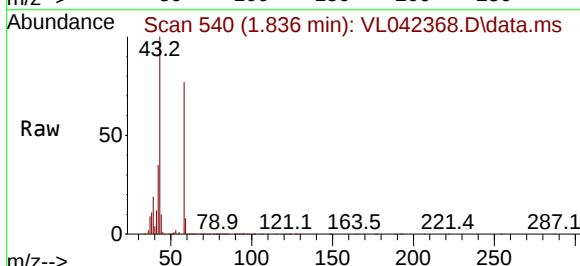
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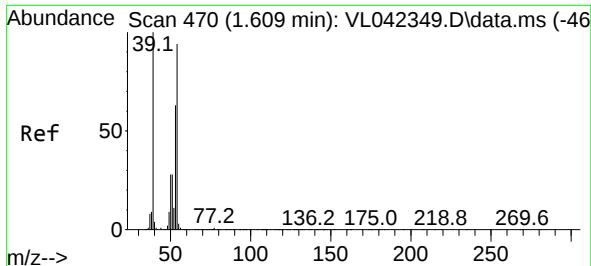
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Ion Ratio Lower Upper
45 100
46 36.9 21.9 87.7



#15
Acetone
Concen: 176.335 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 43 Resp: 3440620
Ion Ratio Lower Upper
43 100
58 61.6 22.4 33.6#

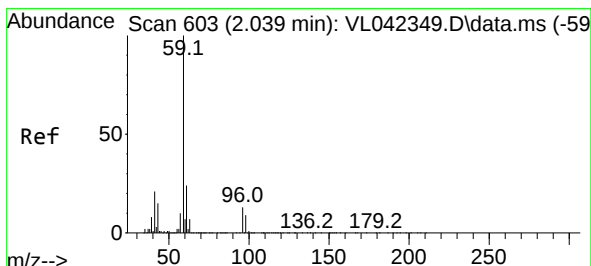
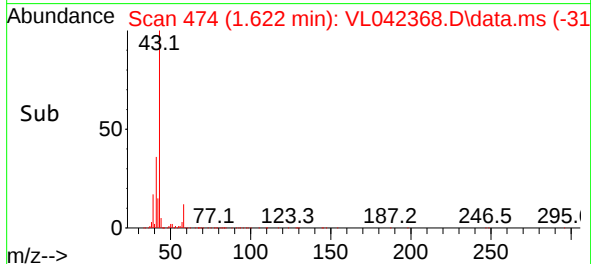
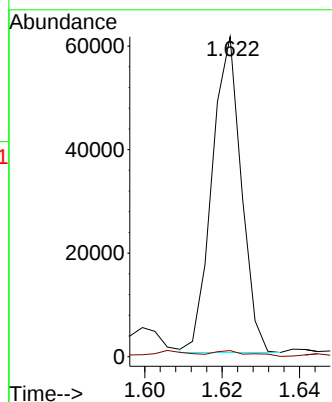
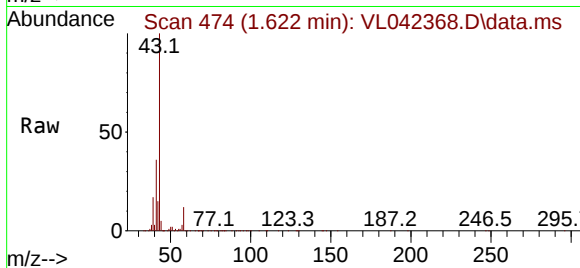




#16
1,3-Butadiene
Concen: 3.428 ppbv
RT: 1.622 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

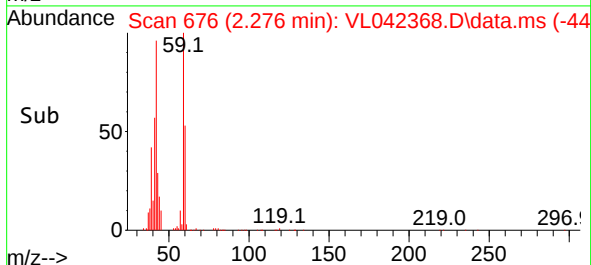
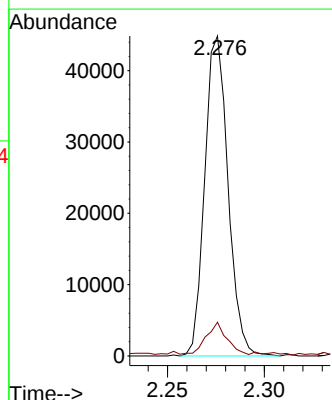
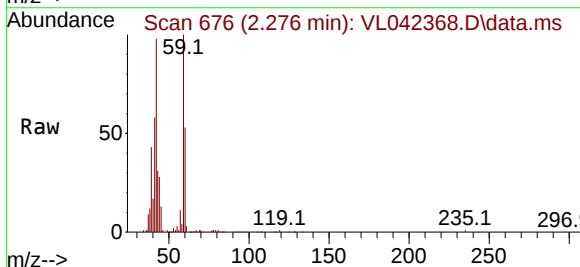
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

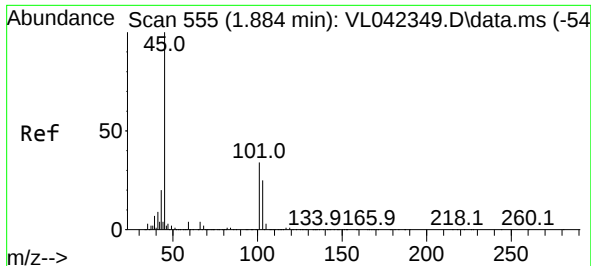
Tgt Ion: 39 Resp: 31987
Ion Ratio Lower Upper
39 100
54 7.2 64.9 97.3#



#17
tert-Butyl alcohol
Concen: 1.553 ppbv
RT: 2.276 min Scan# 676
Delta R.T. 0.237 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 59 Resp: 37546
Ion Ratio Lower Upper
59 100
57 11.2 8.7 13.1

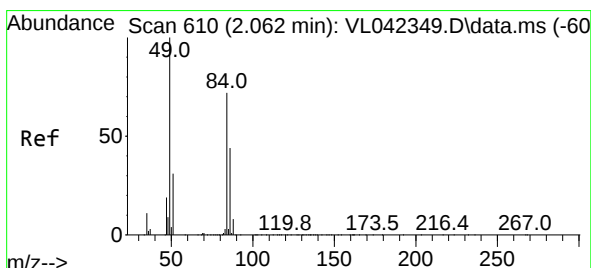
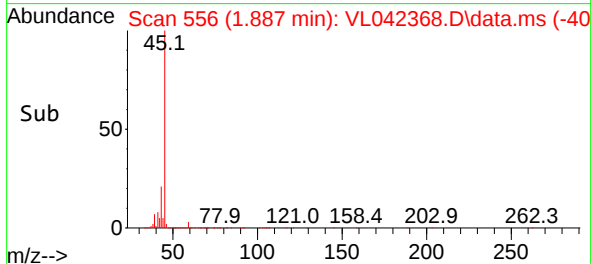
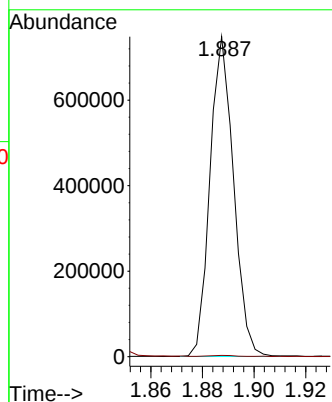
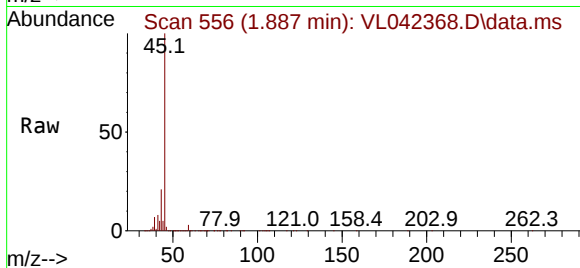




#19
Isopropyl Alcohol
Concen: 43.709 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.004 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

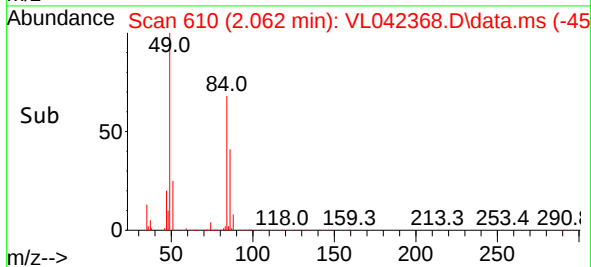
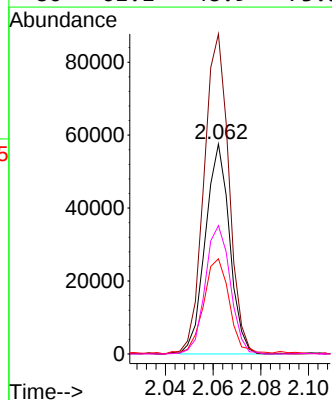
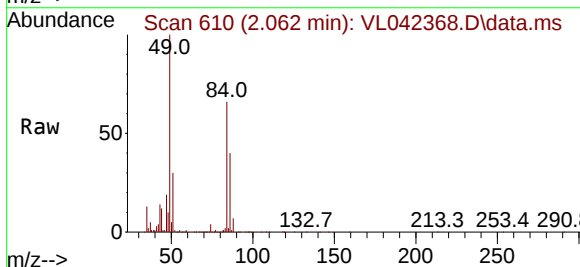
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

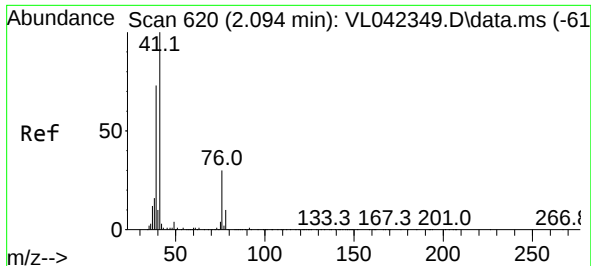
Tgt Ion: 45 Resp: 473769
Ion Ratio Lower Upper
45 100
58 0.0 34.5 51.7#



#20
Methylene Chloride
Concen: 5.357 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 84 Resp: 40932
Ion Ratio Lower Upper
84 100
49 151.7 111.6 167.4
51 44.5 35.1 52.7
86 61.1 48.9 73.3

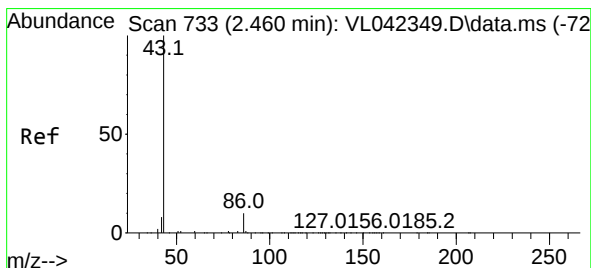
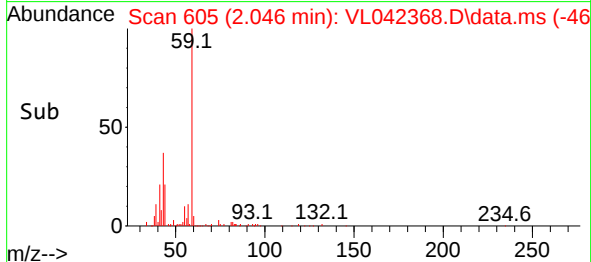
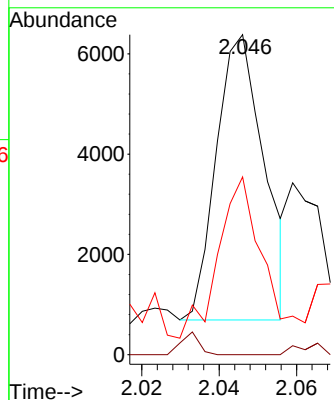
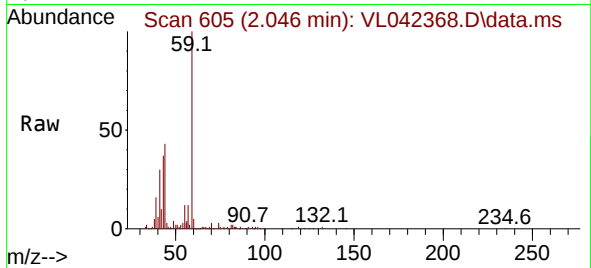




#21
 Allyl Chloride
 Concen: 0.362 ppbv
 RT: 2.046 min Scan# 605
 Delta R.T. -0.048 min
 Lab File: VL042368.D
 Acq: 17 Apr 2025 21:12

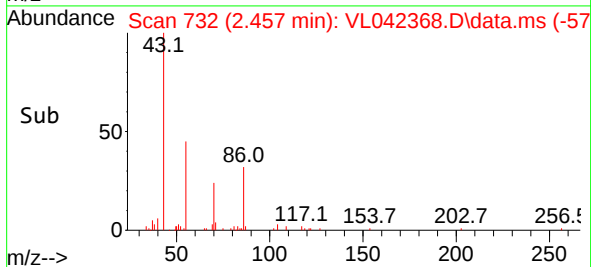
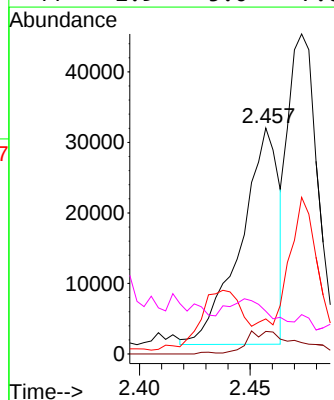
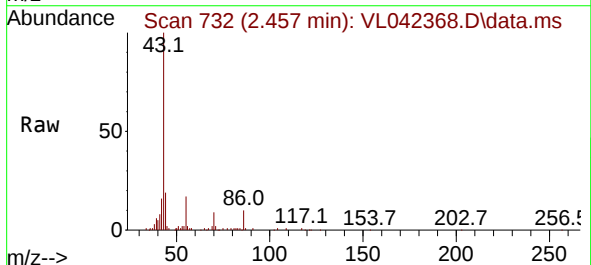
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-2-03312025

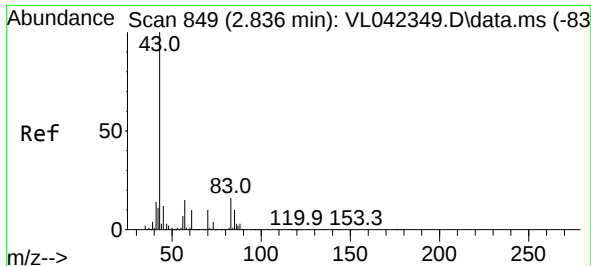
Tgt Ion: 41 Resp: 4879
 Ion Ratio Lower Upper
 41 100
 76 3.0 24.8 37.2#
 39 0.0 60.6 90.8#



#23
 Vinyl Acetate
 Concen: 4.647 ppbv
 RT: 2.457 min Scan# 732
 Delta R.T. -0.003 min
 Lab File: VL042368.D
 Acq: 17 Apr 2025 21:12

Tgt Ion: 43 Resp: 36701
 Ion Ratio Lower Upper
 43 100
 86 10.6 6.5 9.7#
 42 13.2 7.8 11.8#
 44 2.9 5.0 7.6#





#25

Ethyl Acetate

Concen: 1.310 ppbv

RT: 2.826 min Scan# 84

Delta R.T. -0.009 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-2-03312025

Tgt Ion: 43 Resp: 63042

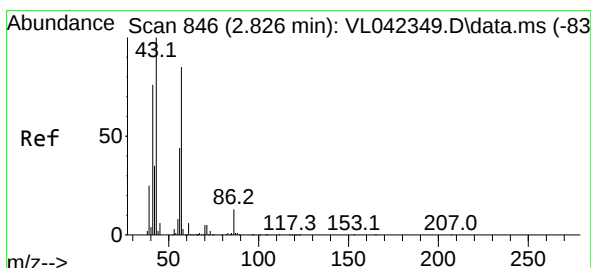
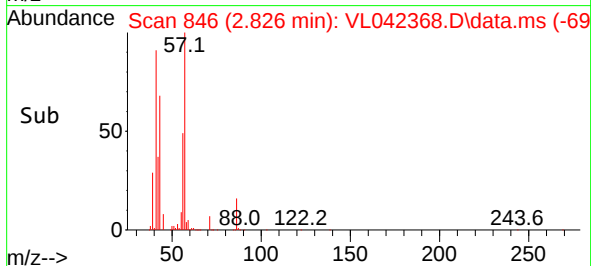
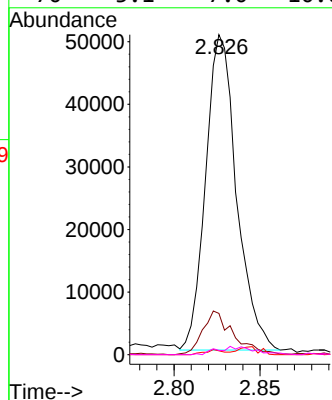
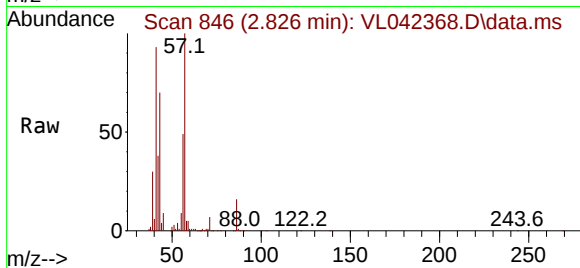
Ion Ratio Lower Upper

43 100

45 13.9 8.3 12.5#

61 2.7 7.3 10.9#

70 3.1 7.0 10.6#



#26

Hexane

Concen: 4.261 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.000 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

Tgt Ion: 57 Resp: 82957

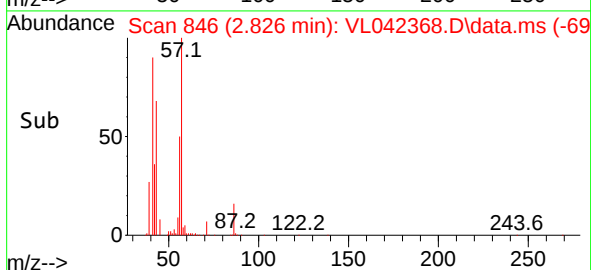
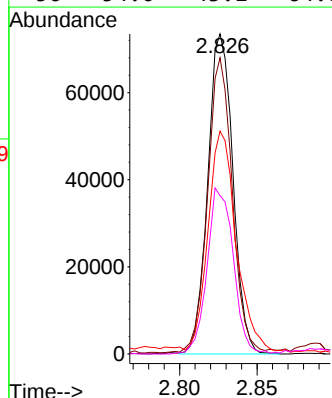
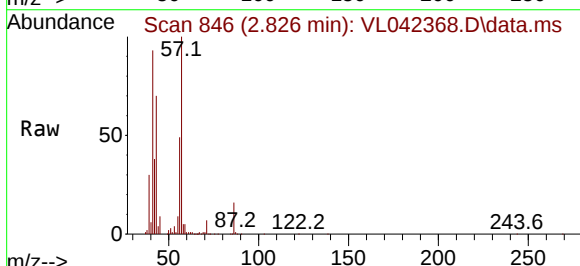
Ion Ratio Lower Upper

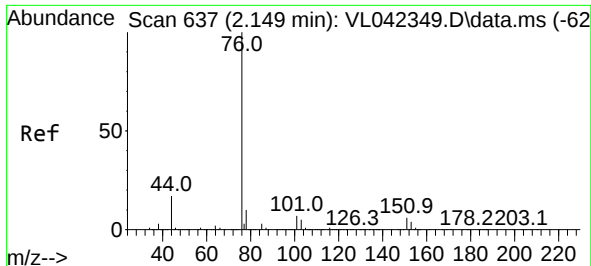
57 100

41 90.3 77.9 116.9

43 80.7 208.4 312.6#

56 54.0 43.1 64.7

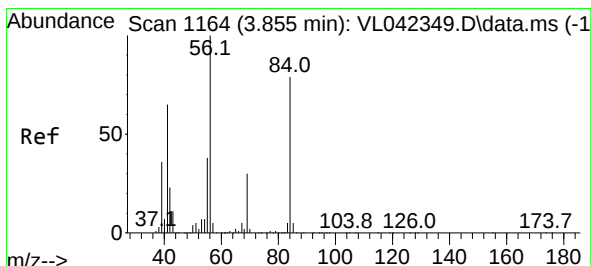
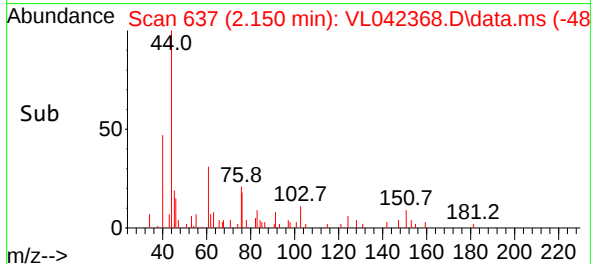
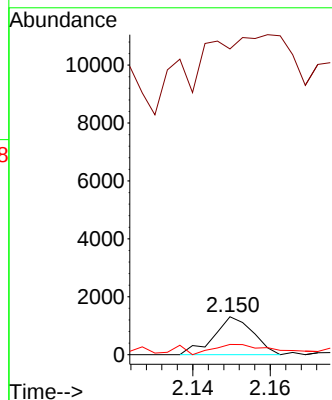
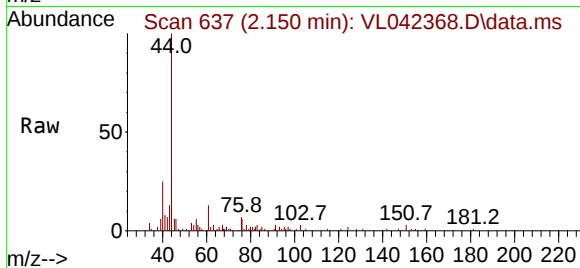




#27
Carbon Disulfide
Concen: 0.044 ppbv
RT: 2.150 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

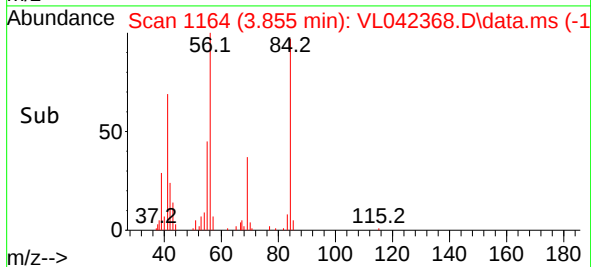
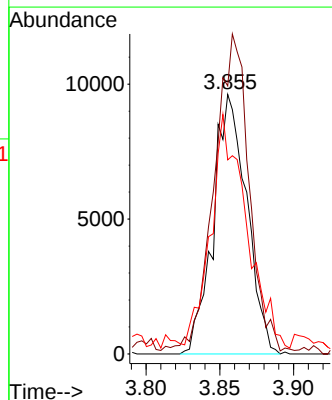
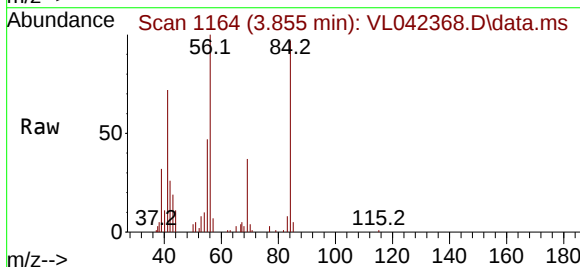
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

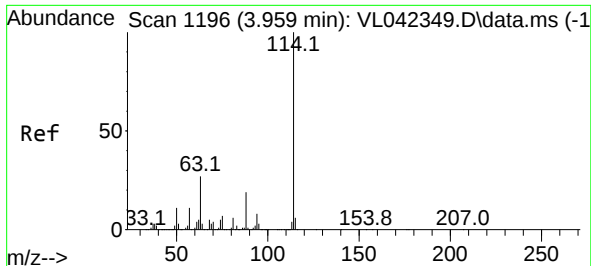
Tgt Ion: 76 Resp: 919
Ion Ratio Lower Upper
76 100
44 0.0 15.5 23.3#
78 43.5 9.3 13.9#



#30
Cyclohexane
Concen: 0.967 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 84 Resp: 15212
Ion Ratio Lower Upper
84 100
56 125.5 101.0 151.4
41 103.5 67.4 101.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.004 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

Instrument :

MSVOA_1

ClientSampleId :

IA-B2-2-03312025

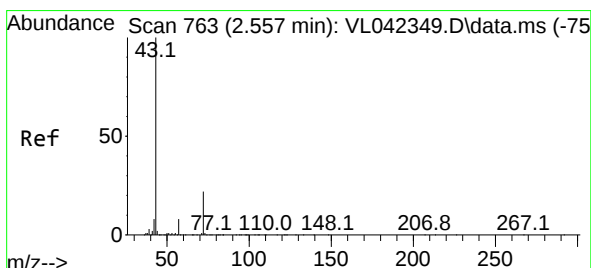
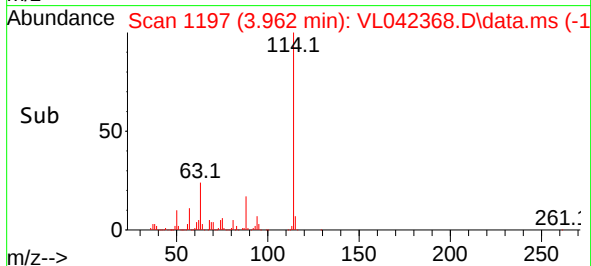
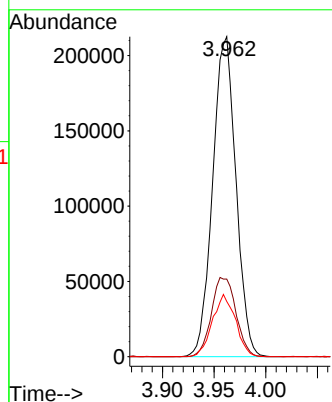
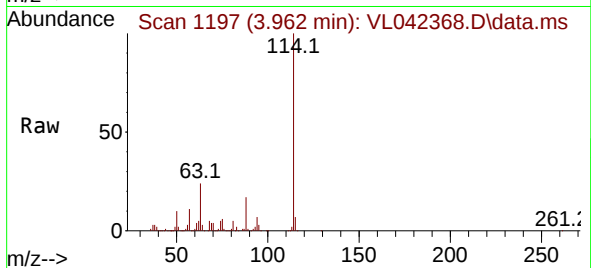
Tgt Ion:114 Resp: 333003

Ion Ratio Lower Upper

114 100

63 26.1 21.8 32.6

88 19.3 15.5 23.3



#34

2-Butanone

Concen: 1.520 ppbv

RT: 2.561 min Scan# 764

Delta R.T. 0.004 min

Lab File: VL042368.D

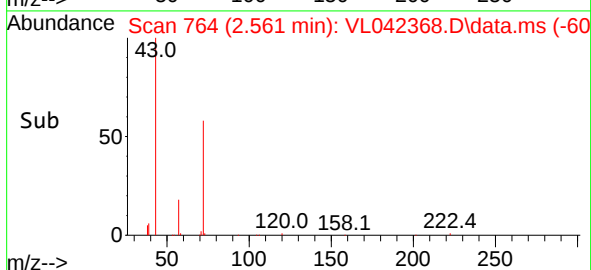
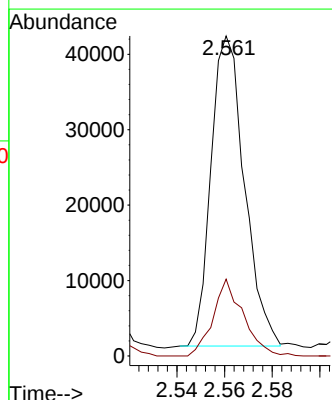
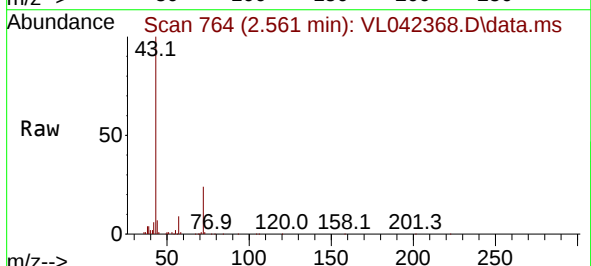
Acq: 17 Apr 2025 21:12

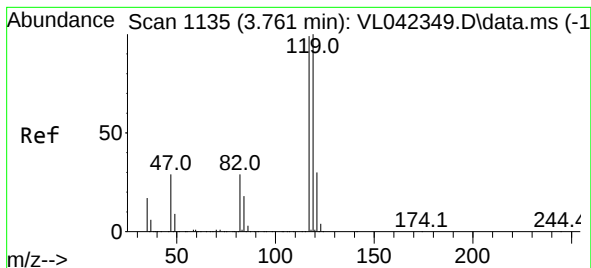
Tgt Ion: 43 Resp: 40042

Ion Ratio Lower Upper

43 100

72 22.5 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.071 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. 0.007 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-2-03312025

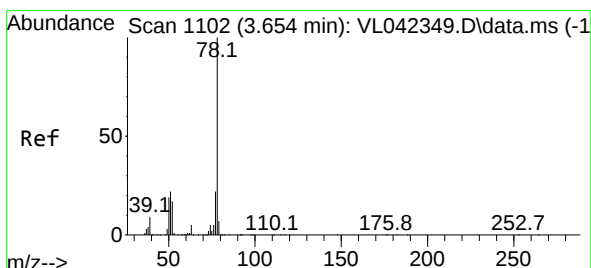
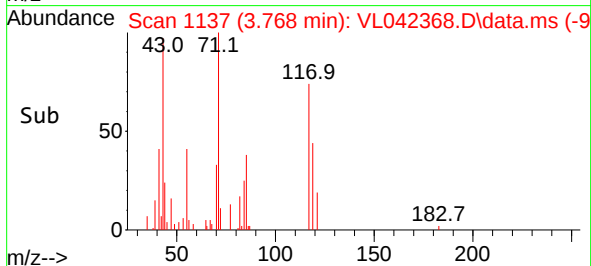
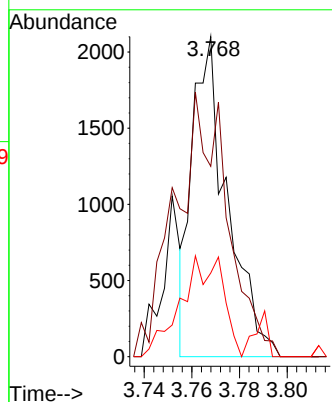
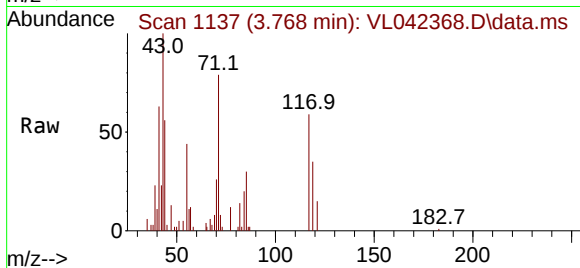
Tgt Ion:117 Resp: 2143

Ion Ratio Lower Upper

117 100

119 59.5 80.5 120.7#

121 26.1 24.2 36.2



#36

Benzene

Concen: 0.901 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.004 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

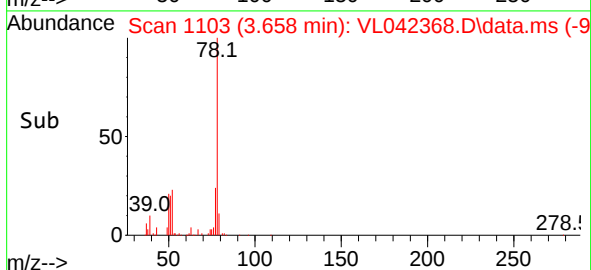
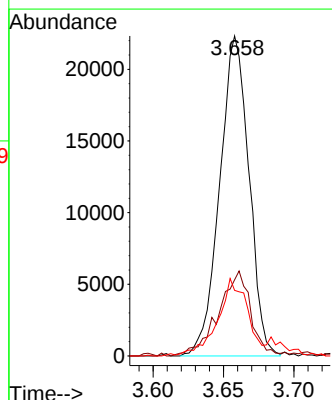
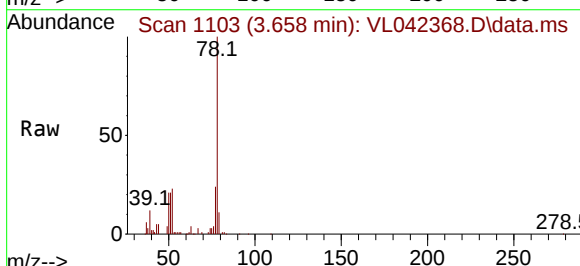
Tgt Ion: 78 Resp: 32372

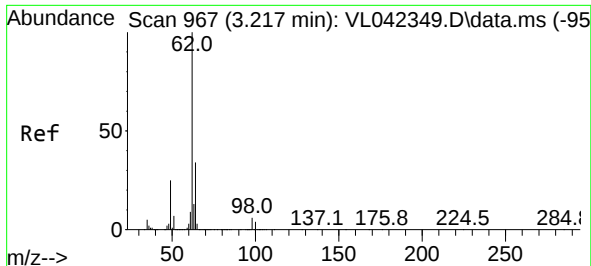
Ion Ratio Lower Upper

78 100

77 23.0 17.4 26.0

50 19.9 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.161 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.004 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

Instrument :

MSVOA_L

ClientSampleId :

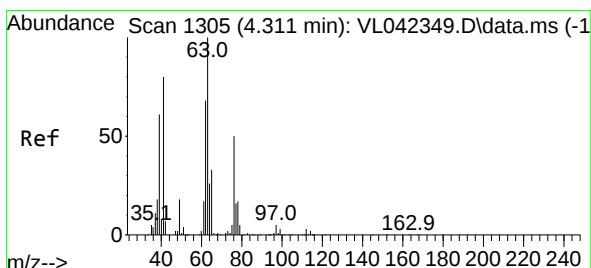
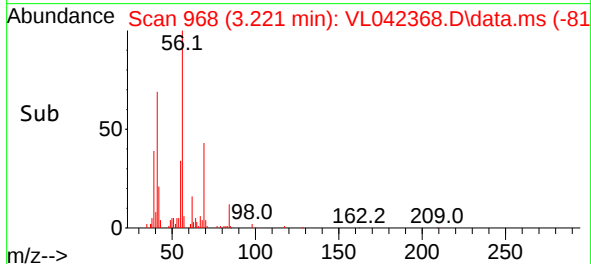
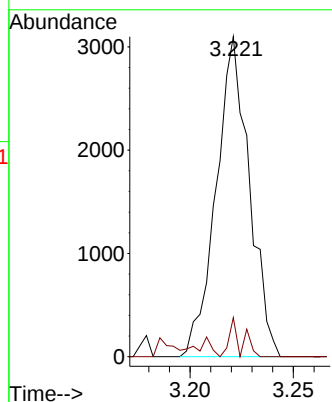
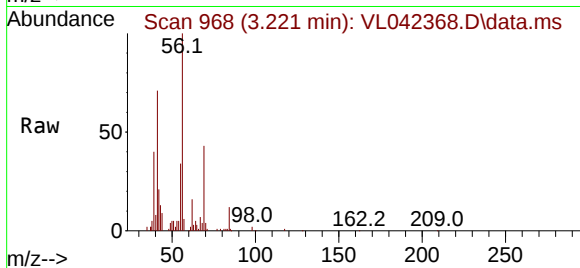
IA-B2-2-03312025

Tgt Ion: 62 Resp: 3461

Ion Ratio Lower Upper

62 100

98 7.9 5.1 7.7#



#39

1,2-Dichloropropane

Concen: 6.491 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

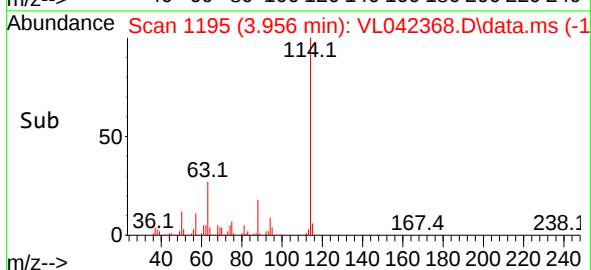
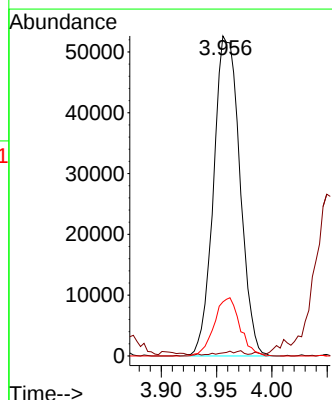
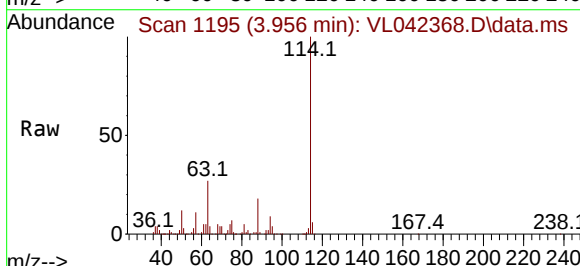
Tgt Ion: 63 Resp: 86880

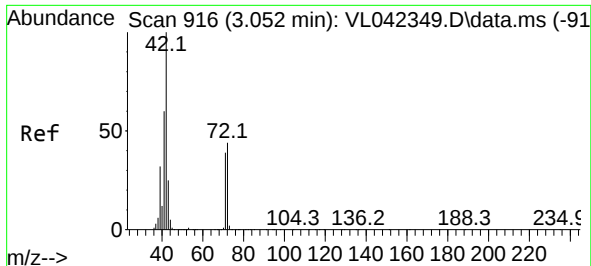
Ion Ratio Lower Upper

63 100

41 0.1 64.2 96.2#

62 16.9 54.3 81.5#

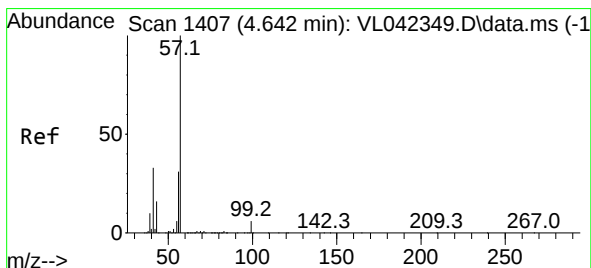
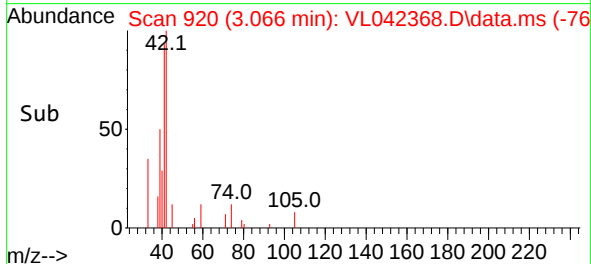
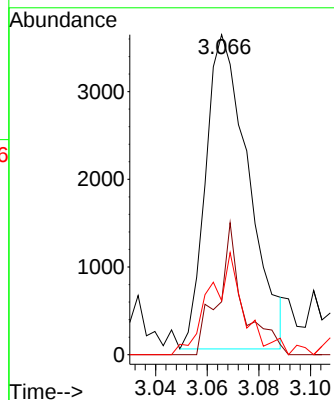
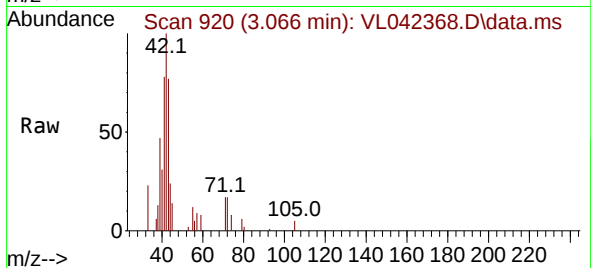




#41
Tetrahydrofuran
Concen: 0.269 ppbv
RT: 3.066 min Scan# 916
Delta R.T. 0.013 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

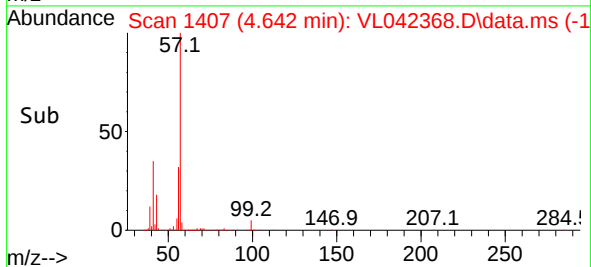
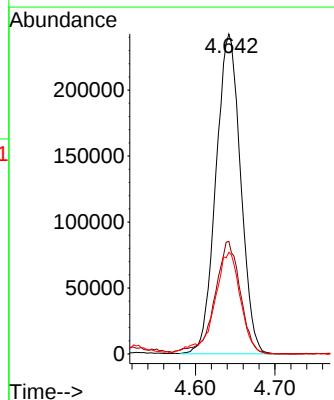
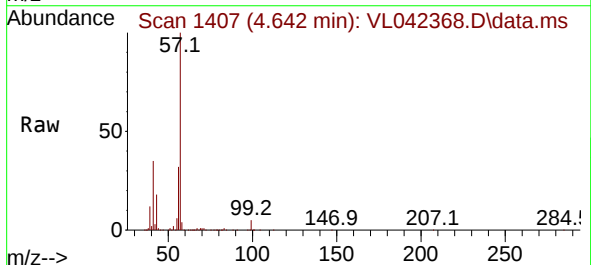
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

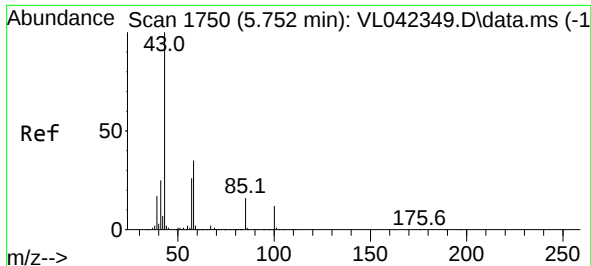
Tgt Ion: 42 Resp: 4138
Ion Ratio Lower Upper
42 100
72 24.8 32.3 48.5#
71 29.5 31.4 47.2#



#44
2,2,4-Trimethylpentane
Concen: 8.414 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 57 Resp: 521960
Ion Ratio Lower Upper
57 100
41 36.7 27.2 40.8
56 34.1 25.7 38.5





#50

4-Methyl-2-Pentanone

Concen: 0.054 ppbv

RT: 5.762 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

Instrument :

MSVOA_L

ClientSampleId :

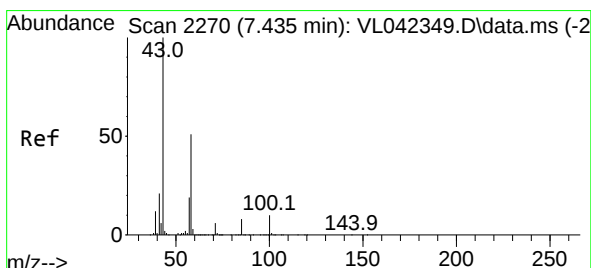
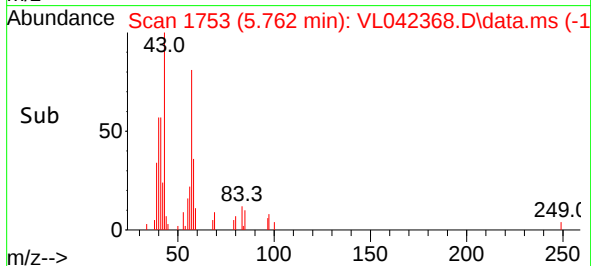
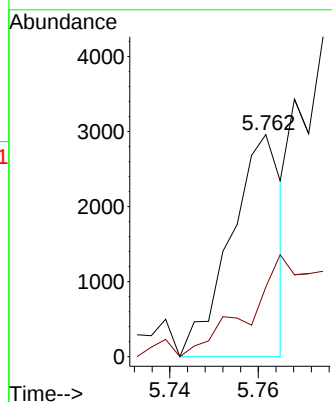
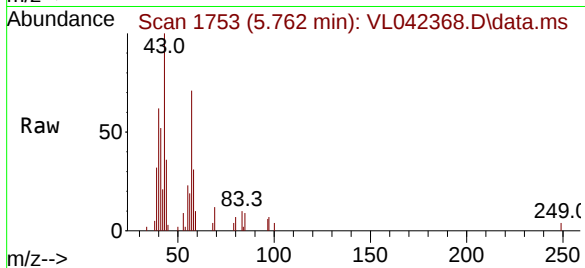
IA-B2-2-03312025

Tgt Ion: 43 Resp: 2346

Ion Ratio Lower Upper

43 100

58 147.0 28.6 43.0#



#51

2-Hexanone

Concen: 0.119 ppbv

RT: 7.442 min Scan# 2272

Delta R.T. 0.007 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

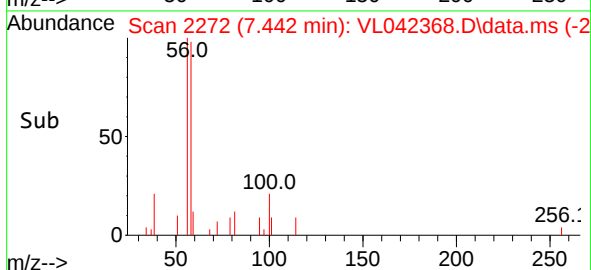
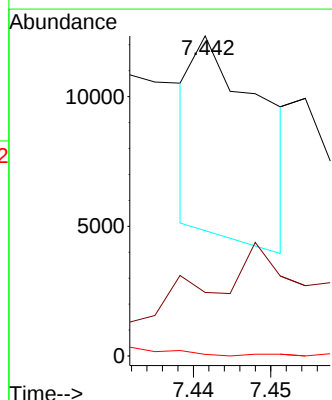
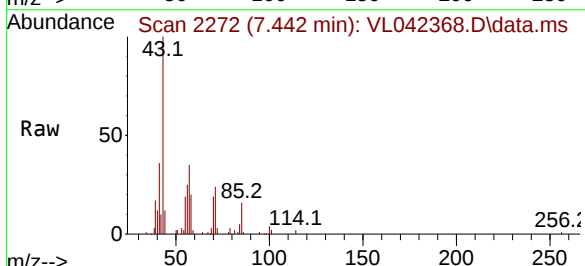
Tgt Ion: 43 Resp: 4683

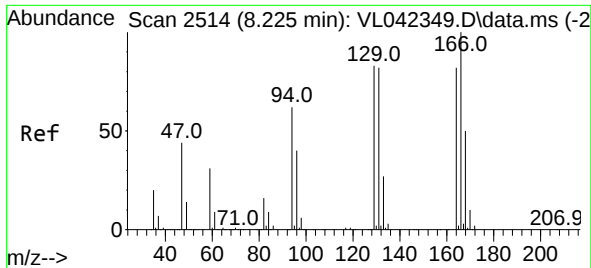
Ion Ratio Lower Upper

43 100

58 0.0 40.2 60.4#

98 0.0 0.1 0.1#

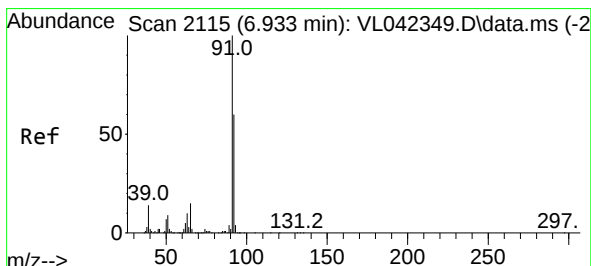
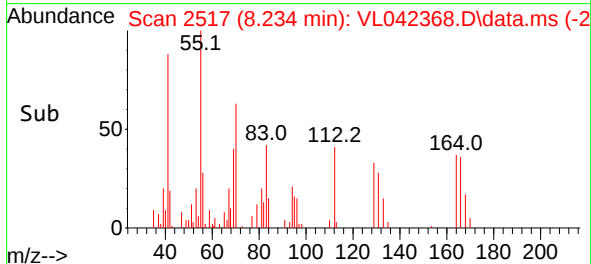
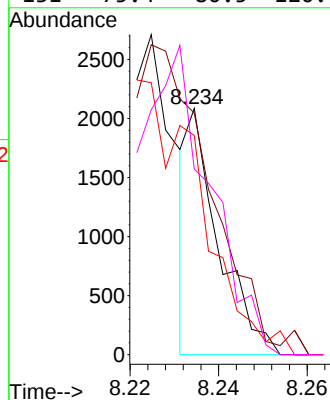
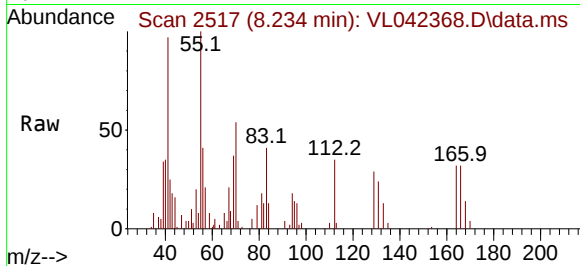




#52
Tetrachloroethene
Concen: 0.072 ppbv
RT: 8.234 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

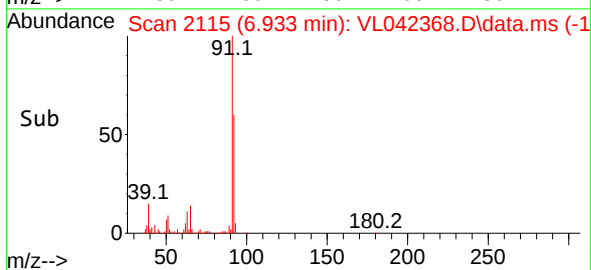
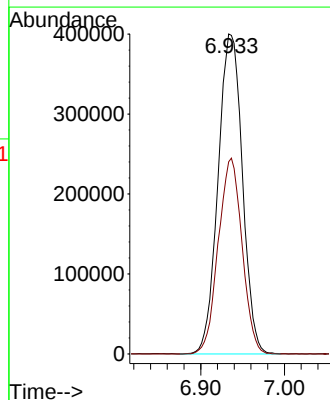
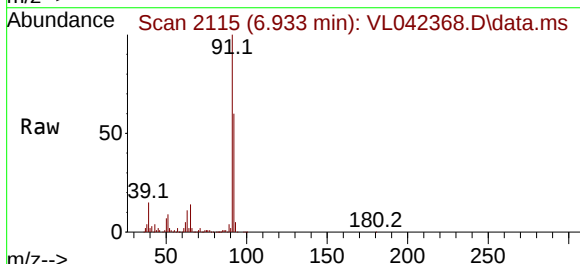
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

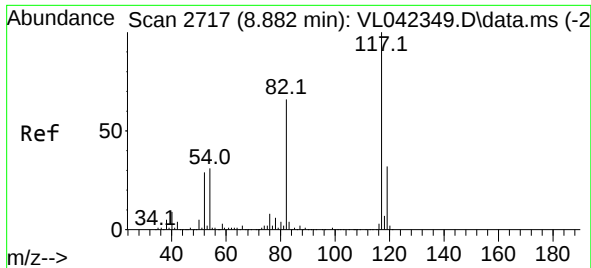
Tgt Ion:164 Resp: 1006
Ion Ratio Lower Upper
164 100
166 94.4 98.2 147.2#
129 79.3 81.8 122.8#
131 75.4 80.5 120.7#



#53
Toluene
Concen: 18.711 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 91 Resp: 806485
Ion Ratio Lower Upper
91 100
92 59.9 48.2 72.4

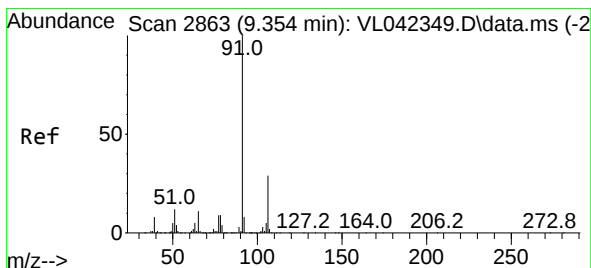
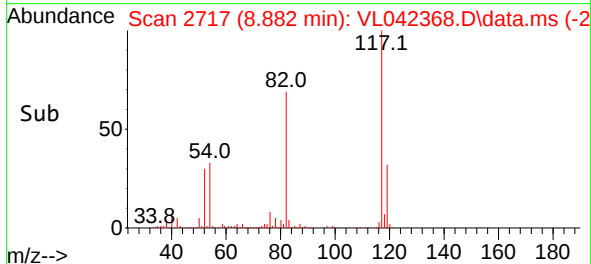
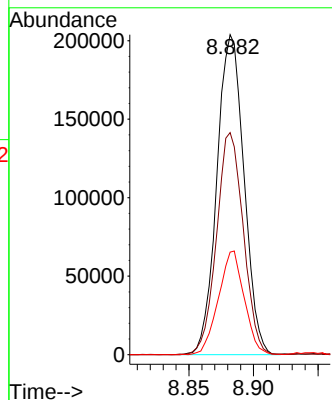
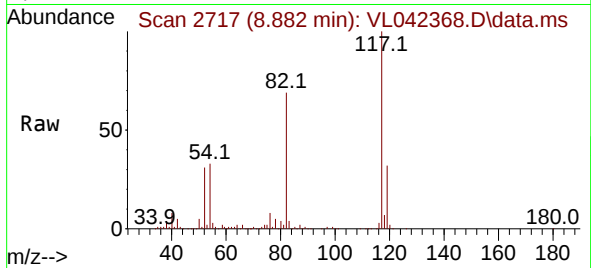




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

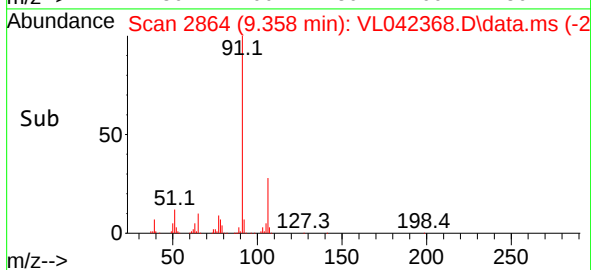
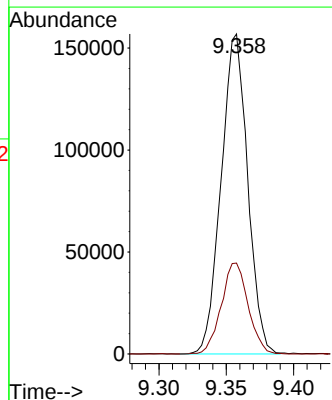
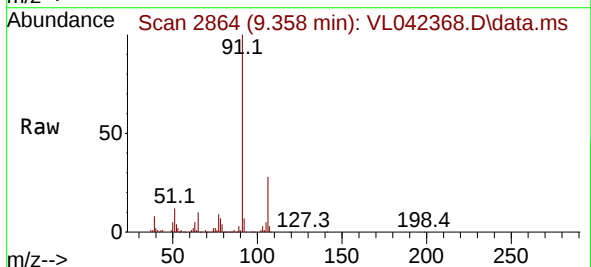
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

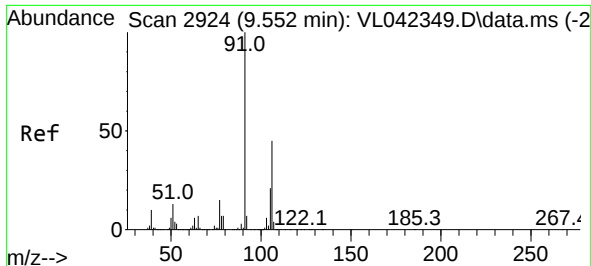
Tgt Ion:117 Resp: 297493
Ion Ratio Lower Upper
117 100
82 68.6 57.8 86.6
119 30.9 25.2 37.8



#58
Ethyl Benzene
Concen: 3.643 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. 0.004 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 91 Resp: 214751
Ion Ratio Lower Upper
91 100
106 28.4 23.0 34.4





#59

m/p-Xylene

Concen: 12.631 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.019 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

Instrument :

MSVOA_L

ClientSampleId :

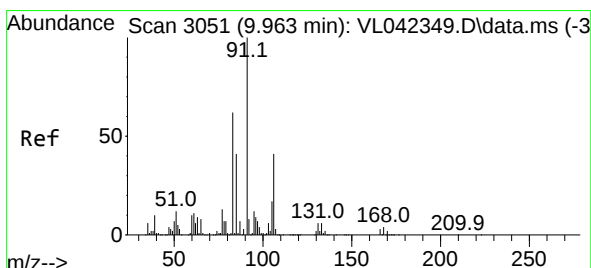
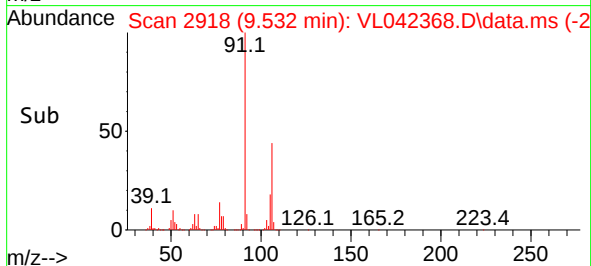
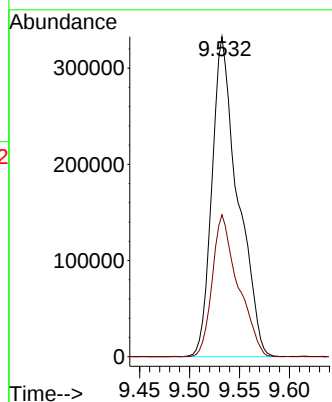
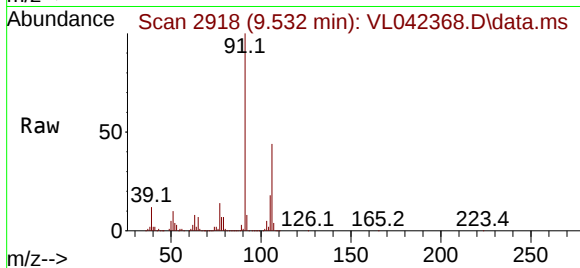
IA-B2-2-03312025

Tgt Ion: 91 Resp: 599749

Ion Ratio Lower Upper

91 100

106 44.1 35.4 53.2



#60

o-Xylene

Concen: 4.992 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.004 min

Lab File: VL042368.D

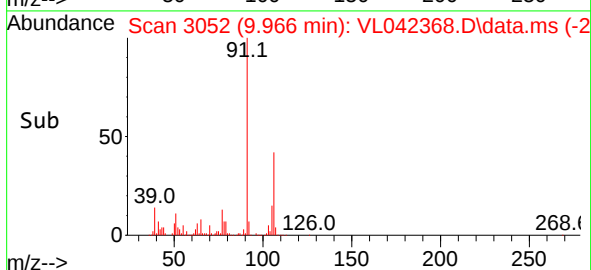
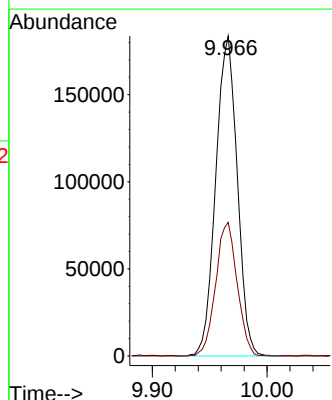
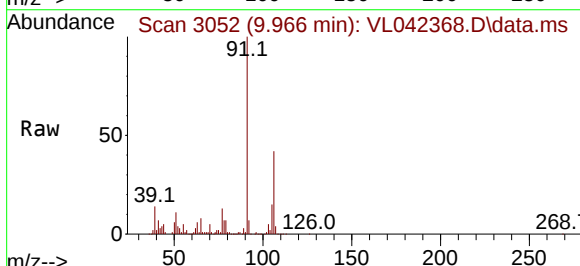
Acq: 17 Apr 2025 21:12

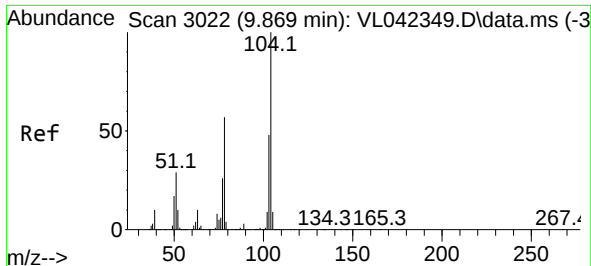
Tgt Ion: 91 Resp: 238681

Ion Ratio Lower Upper

91 100

106 41.8 21.1 63.4

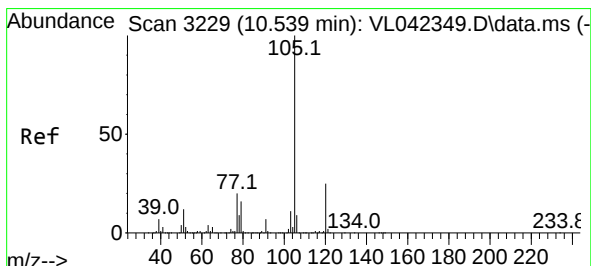
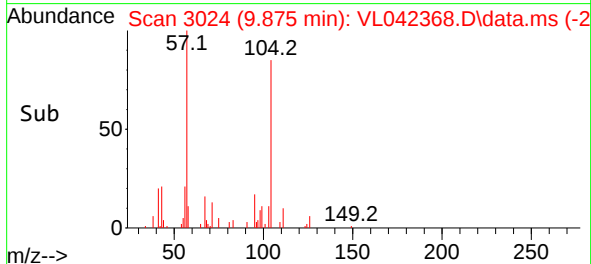
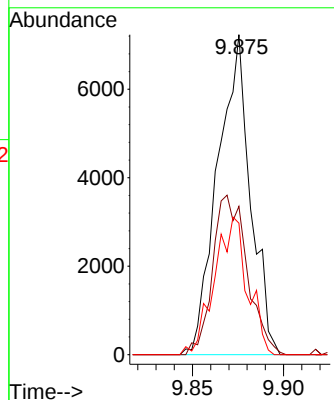
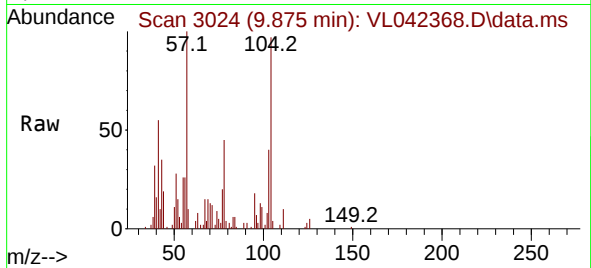




#61
Styrene
Concen: 0.395 ppbv
RT: 9.875 min Scan# 3022
Delta R.T. 0.007 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

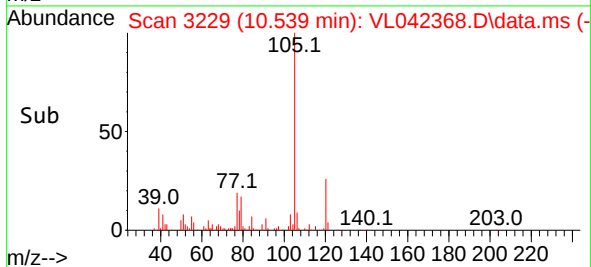
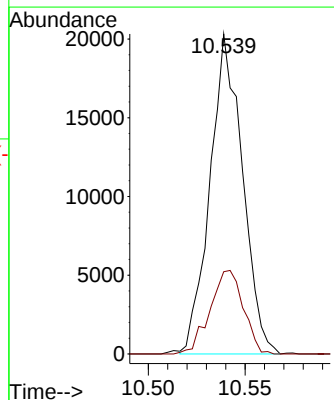
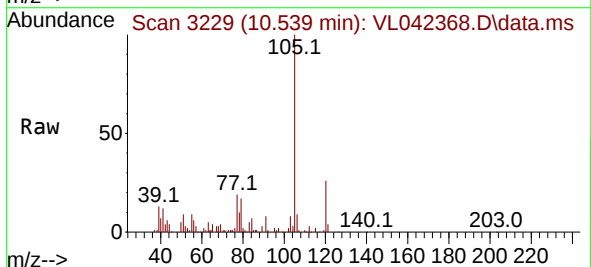
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

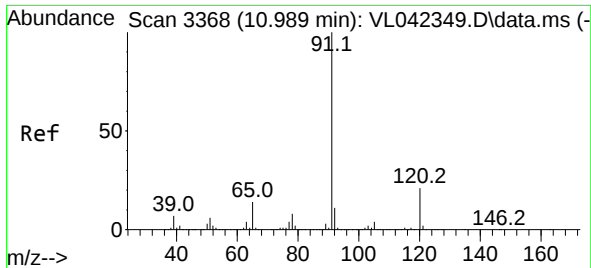
Tgt Ion:104 Resp: 9022
Ion Ratio Lower Upper
104 100
78 52.5 44.6 66.8
103 43.6 37.4 56.0



#62
Isopropylbenzene
Concen: 0.337 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion:105 Resp: 23690
Ion Ratio Lower Upper
105 100
120 26.8 19.8 29.8

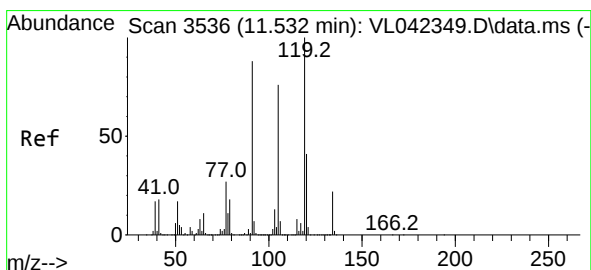
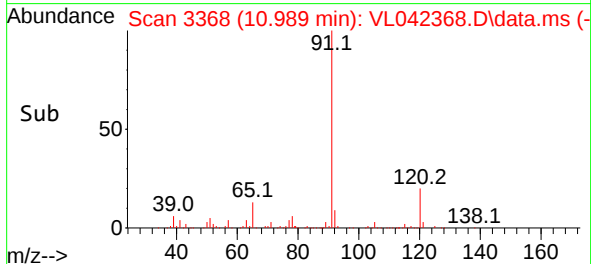
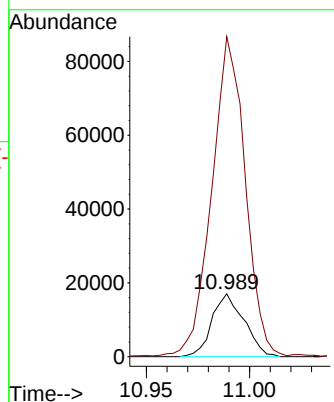
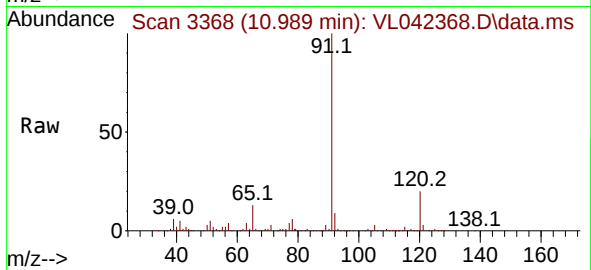




#64
n-propylbenzene
Concen: 1.044 ppbv
RT: 10.989 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

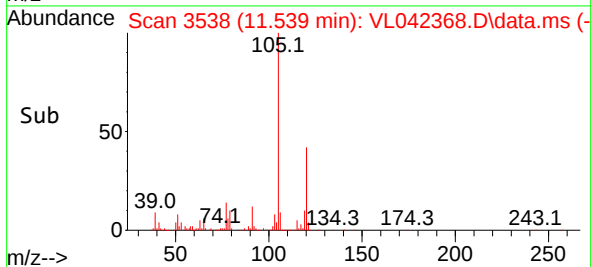
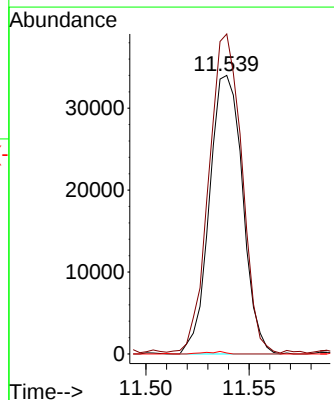
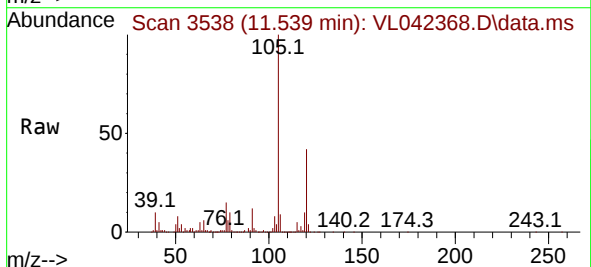
Instrument :
MSVOA_1
ClientSampleId :
IA-B2-2-03312025

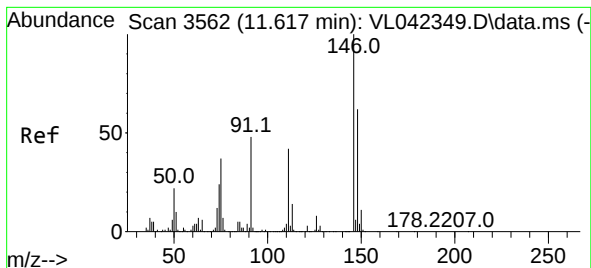
Tgt Ion:120 Resp: 18420
Ion Ratio Lower Upper
120 100
91 530.0 392.4 588.6



#65
tert-Butylbenzene
Concen: 0.588 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.007 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion:119 Resp: 37957
Ion Ratio Lower Upper
119 100
91 116.2 74.6 111.8#
134 0.5 18.8 28.2#

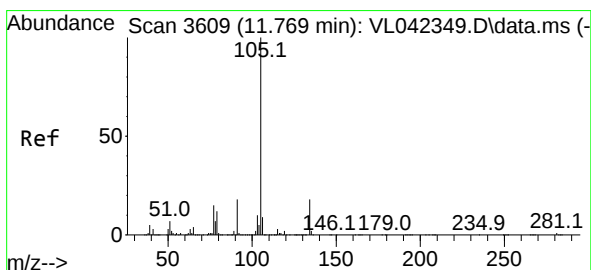
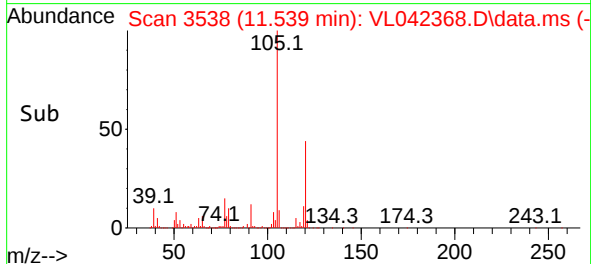
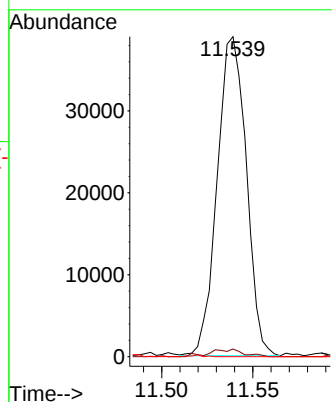
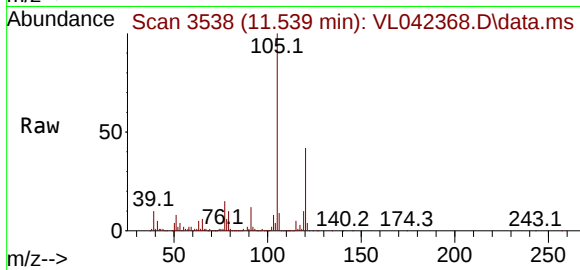




#66
Benzyl Chloride
Concen: 6.096 ppbv
RT: 11.539 min Scan# 31
Delta R.T. -0.077 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

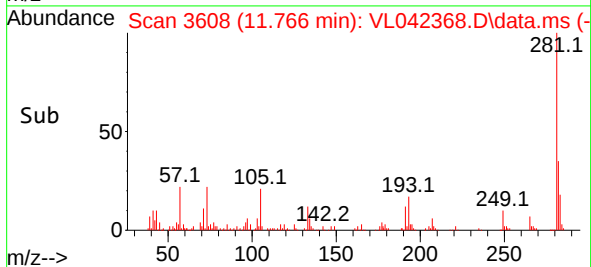
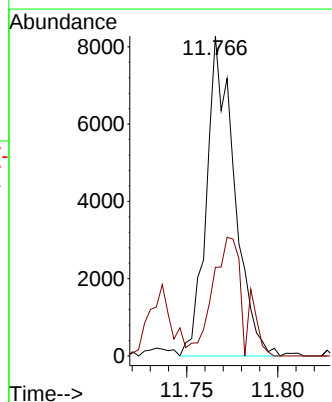
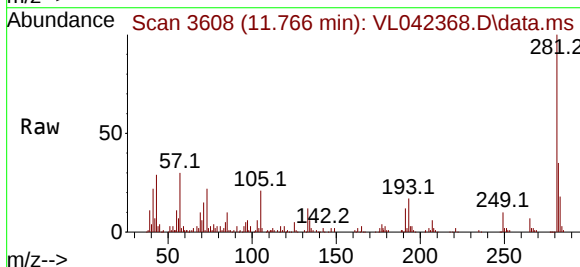
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

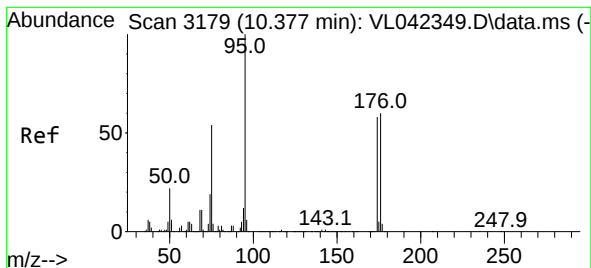
Tgt Ion: 91 Resp: 43222
Ion Ratio Lower Upper
91 100
126 2.7 11.8 17.6#
128 0.0 4.5 6.7#



#67
sec-Butylbenzene
Concen: 0.098 ppbv
RT: 11.766 min Scan# 3608
Delta R.T. -0.003 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 105 Resp: 8800
Ion Ratio Lower Upper
105 100
134 40.5 14.6 21.8#

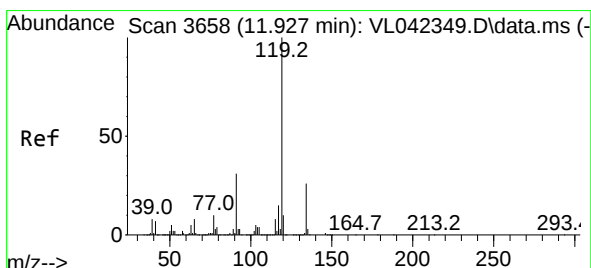
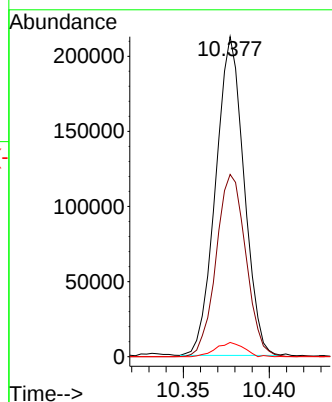
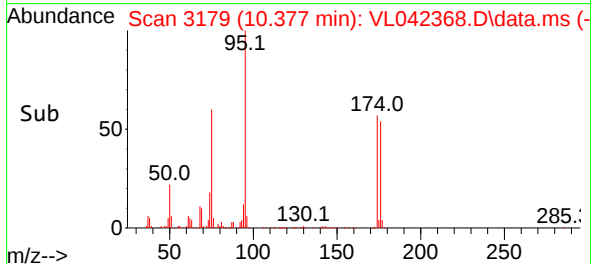
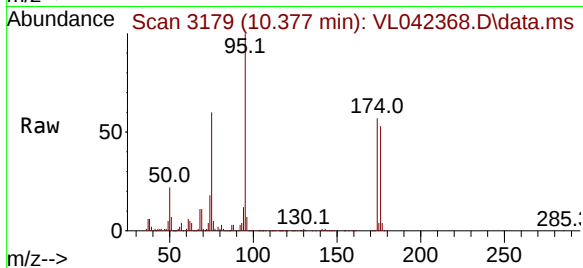




#68
1-Bromo-4-Fluorobenzene
Concen: 9.942 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

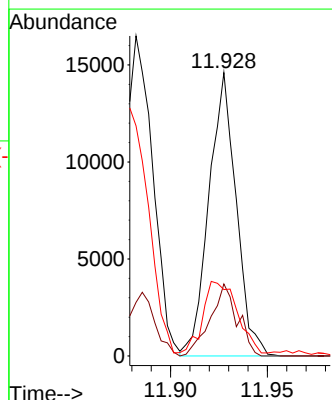
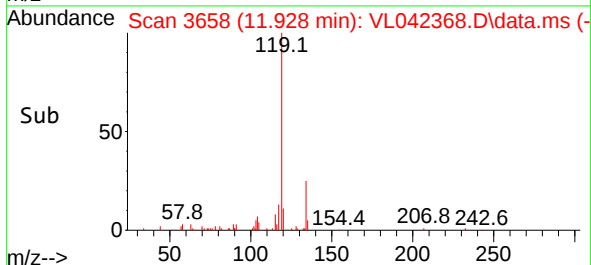
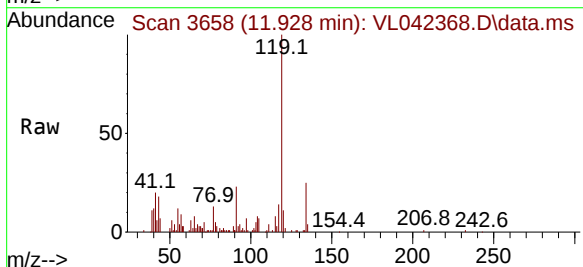
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

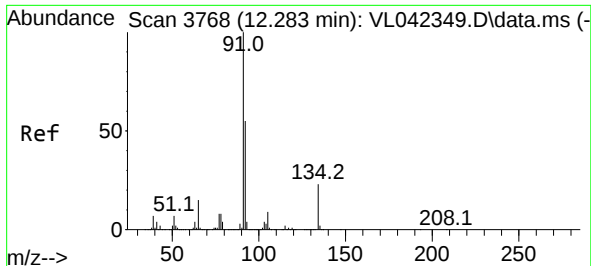
Tgt Ion: 95 Resp: 243044
Ion Ratio Lower Upper
95 100
174 60.1 48.5 72.7
175 4.4 3.7 5.5



#69
p-Isopropyltoluene
Concen: 0.184 ppbv
RT: 11.928 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion: 119 Resp: 14319
Ion Ratio Lower Upper
119 100
134 25.4 20.0 30.0
91 34.4 24.4 36.6





#70

n-Butylbenzene

Concen: 0.238 ppbv

RT: 12.280 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-2-03312025

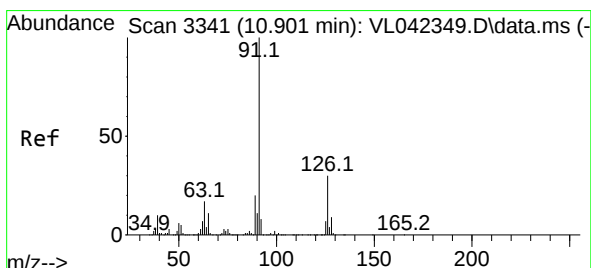
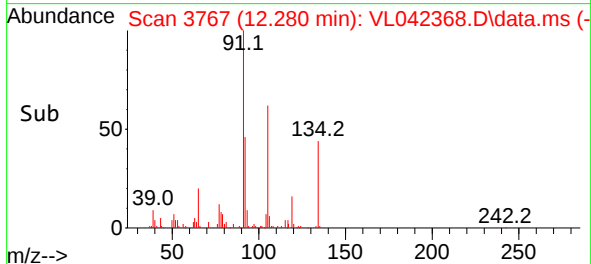
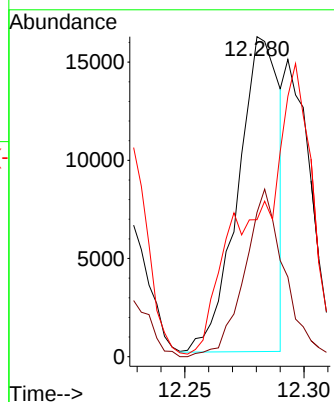
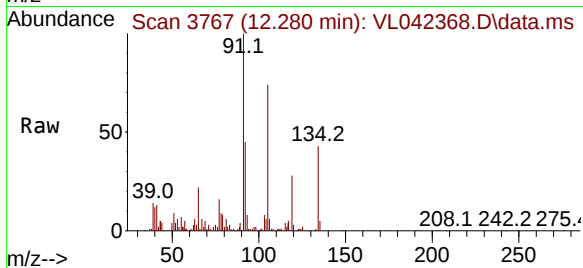
Tgt Ion: 91 Resp: 19345

Ion Ratio Lower Upper

91 100

92 51.2 44.2 66.4

134 0.0 18.2 27.4#



#71

2-Chlorotoluene

Concen: 0.517 ppbv

RT: 10.905 min Scan# 3342

Delta R.T. 0.004 min

Lab File: VL042368.D

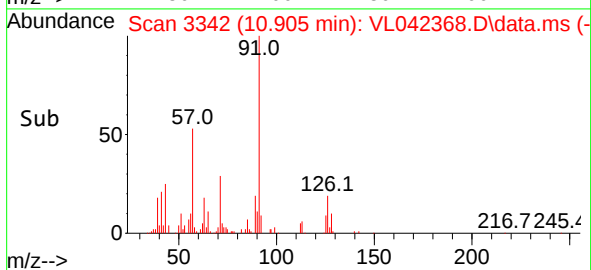
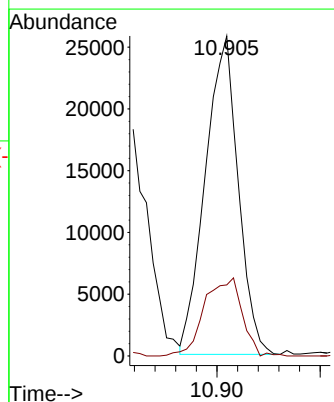
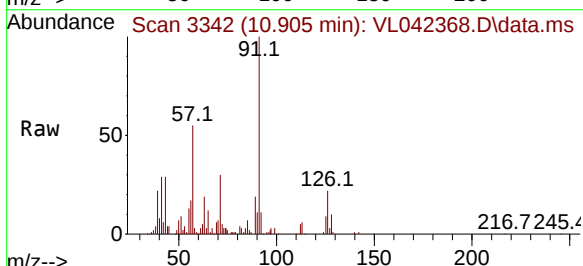
Acq: 17 Apr 2025 21:12

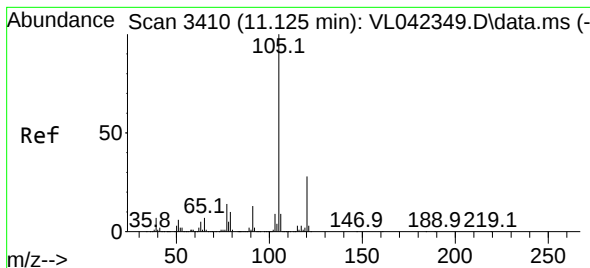
Tgt Ion: 91 Resp: 28490

Ion Ratio Lower Upper

91 100

126 29.0 11.4 45.4





#72

4-Ethyltoluene

Concen: 1.839 ppbv

RT: 11.128 min Scan# 3410

Delta R.T. 0.004 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-2-03312025

Tgt Ion:105 Resp: 107491

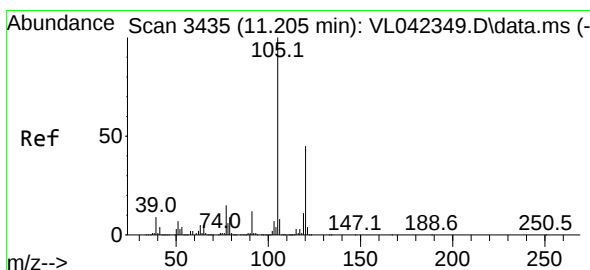
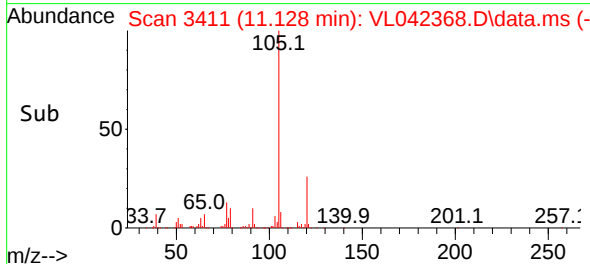
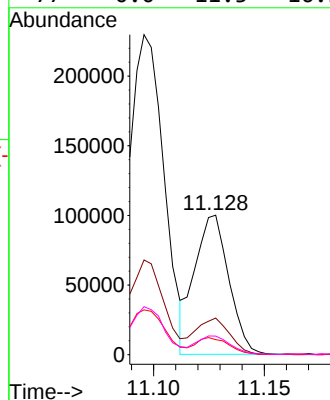
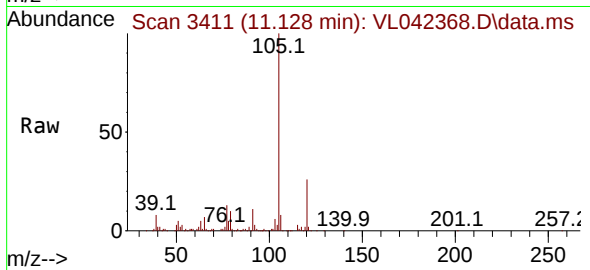
Ion Ratio Lower Upper

105 100

120 0.0 23.2 34.8#

91 0.0 10.4 15.6#

77 0.0 11.3 16.9#



#73

1,3,5-Trimethylbenzene

Concen: 2.130 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.000 min

Lab File: VL042368.D

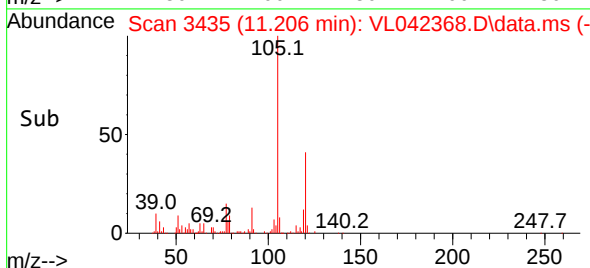
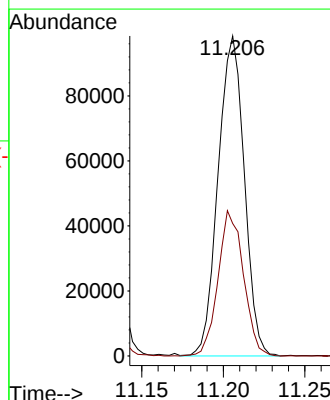
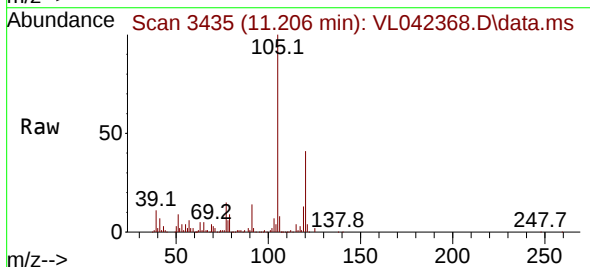
Acq: 17 Apr 2025 21:12

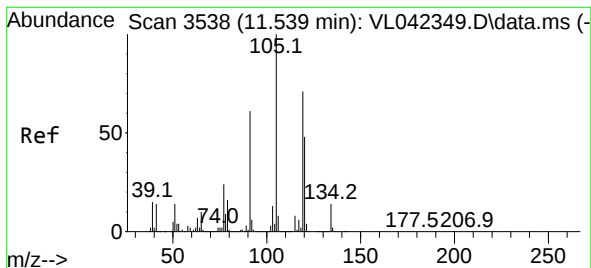
Tgt Ion:105 Resp: 109907

Ion Ratio Lower Upper

105 100

120 41.4 35.6 53.4





#74

1,2,4-Trimethylbenzene

Concen: 5.794 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

Instrument :

MSVOA_1

ClientSampleId :

IA-B2-2-03312025

Tgt Ion:105 Resp: 349266

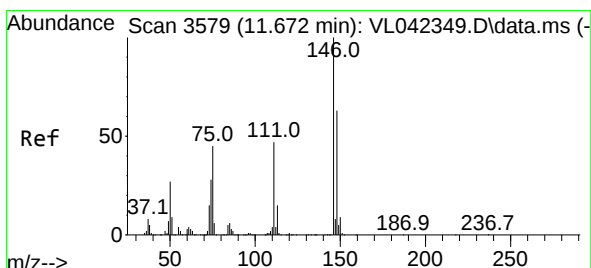
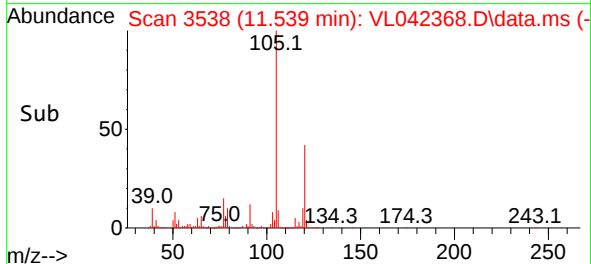
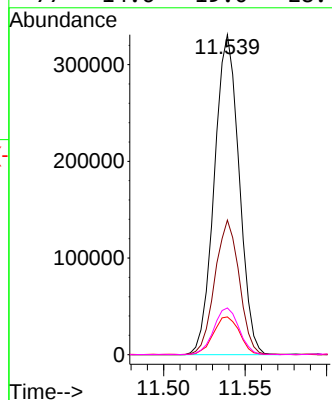
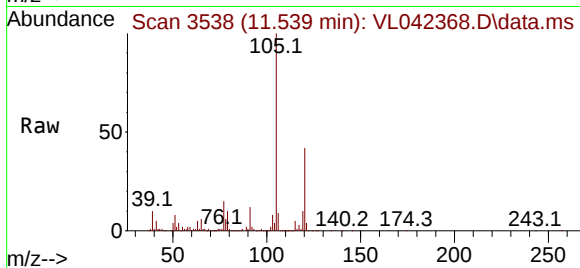
Ion Ratio Lower Upper

105 100

120 42.1 38.1 57.1

91 11.7 48.8 73.2#

77 14.6 19.0 28.4#



#76

1,4-Dichlorobenzene

Concen: 0.103 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.000 min

Lab File: VL042368.D

Acq: 17 Apr 2025 21:12

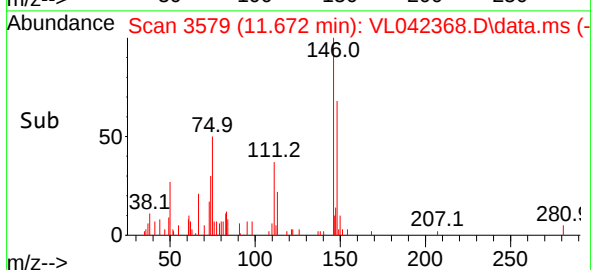
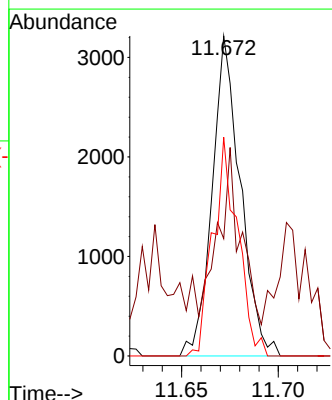
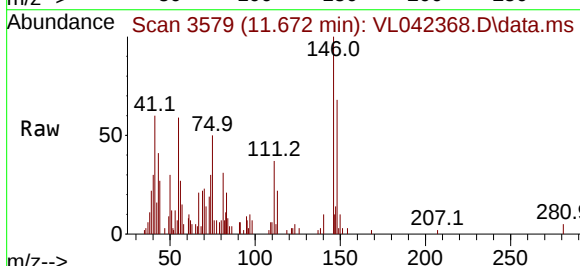
Tgt Ion:146 Resp: 3251

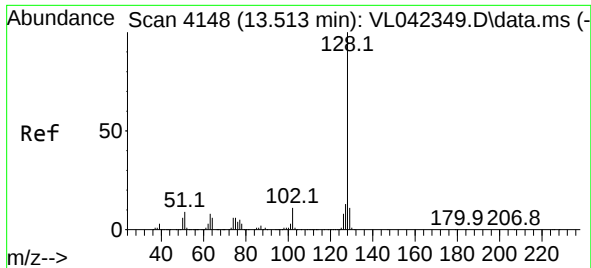
Ion Ratio Lower Upper

146 100

111 41.6 24.2 72.6

148 60.1 32.1 96.5

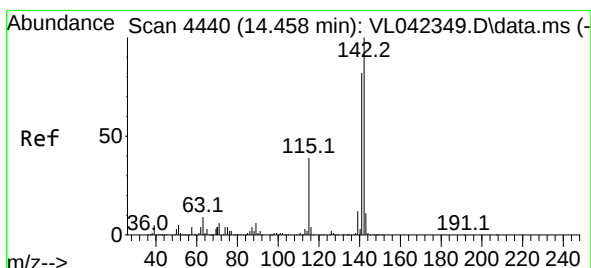
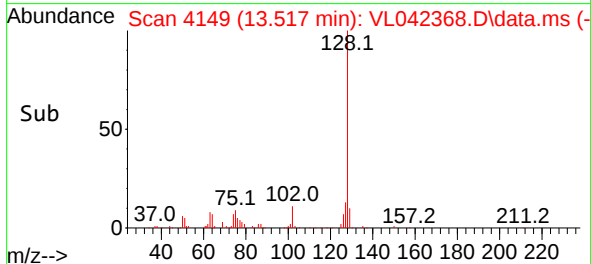
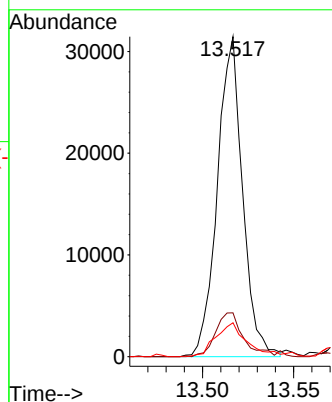
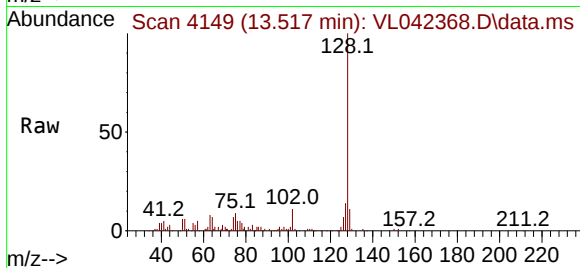




#79
Naphthalene
Concen: 0.420 ppbv
RT: 13.517 min Scan# 4148
Delta R.T. 0.004 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025

Tgt Ion:128	Resp:	30244
Ion Ratio	Lower	Upper
128	100	
127	13.7	10.6 15.8
129	10.6	8.6 12.8



#80
Naphthalene,2-methyl-
Concen: 0.099 ppbv
RT: 14.588 min Scan# 4480
Delta R.T. 0.130 min
Lab File: VL042368.D
Acq: 17 Apr 2025 21:12

Tgt Ion:142	Resp:	4067
Ion Ratio	Lower	Upper
142	100	
141	84.7	66.8 100.2
115	47.5	33.4 50.2

