

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042372.D
 Acq On : 17 Apr 2025 23:26
 Operator : SY/MD
 Sample : Q1726-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-4-03312025

Quant Time: Apr 18 02:46:43 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	110448	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	317011	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	275197	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	229240	10.137	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	9928	0.509	ppbv	92
3) Chlorodifluoromethane	1.467	51	69795	3.756	ppbv #	62
4) Chloromethane	1.531	50	4664	0.604	ppbv	95
6) Bromomethane	1.667	94	129	0.036	ppbv #	36
8) Dichlorotetrafluoroethane	1.554	85	514	0.031	ppbv	98
9) Propene	1.557	41	88913	10.507	ppbv	97
10) Heptane	4.978	43	98760	4.154	ppbv	99
11) Trichlorofluoromethane	1.875	101	5086	0.274	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	1322	0.087	ppbv	90
13) Ethanol	1.719	45	434403	322.963	ppbv	75
15) Acetone	1.832	43	3068967	169.738	ppbv #	45
16) 1,3-Butadiene	1.619	39	31651	3.660	ppbv #	14
17) tert-Butyl alcohol	2.273	59	44264	1.975	ppbv	98
19) Isopropyl Alcohol	1.884	45	344907	34.339	ppbv #	33
20) Methylene Chloride	2.062	84	19413	2.742	ppbv	97
21) Allyl Chloride	2.043	41	3713	0.297	ppbv #	23
23) Vinyl Acetate	2.473	43	64430	8.804	ppbv #	50
25) Ethyl Acetate	2.826	43	57942	1.300	ppbv #	79
26) Hexane	2.823	57	68262	3.784	ppbv #	38
27) Carbon Disulfide	2.146	76	1314	0.068	ppbv #	56
30) Cyclohexane	3.855	84	18963	1.300	ppbv	93
34) 2-Butanone	2.557	43	29844	1.190	ppbv	96
35) Carbon Tetrachloride	3.758	117	1196	0.042	ppbv #	65
36) Benzene	3.651	78	38575	1.128	ppbv	95
37) 1,2-Dichloroethane	3.218	62	4357	0.212	ppbv #	93
39) 1,2-Dichloropropane	3.959	63	83896	6.584	ppbv #	25
41) Tetrahydrofuran	3.062	42	3068	0.210	ppbv #	35
44) 2,2,4-Trimethylpentane	4.639	57	623779	10.563	ppbv	95
50) 4-Methyl-2-Pentanone	5.752	43	3194	0.077	ppbv #	39
51) 2-Hexanone	7.422	43	10664	0.285	ppbv #	55
52) Tetrachloroethene	8.222	164	1420	0.107	ppbv #	85
53) Toluene	6.933	91	1085281	26.450	ppbv	99
58) Ethyl Benzene	9.351	91	277437	5.088	ppbv	100
59) m/p-Xylene	9.529	91	770401	17.539	ppbv	99
60) o-Xylene	9.963	91	305451	6.906	ppbv	98
61) Styrene	9.872	104	7737	0.366	ppbv	91
62) Isopropylbenzene	10.536	105	32373	0.499	ppbv	99
64) n-propylbenzene	10.986	120	27039	1.657	ppbv	87
65) tert-Butylbenzene	11.536	119	53708	0.900	ppbv #	73
66) Benzyl Chloride	11.737	91	7178	1.094	ppbv #	73
67) sec-Butylbenzene	11.766	105	10233	0.123	ppbv #	60
69) p-Isopropyltoluene	11.924	119	39473	0.547	ppbv	95
70) n-Butylbenzene	12.280	91	21674	0.289	ppbv #	85

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

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-4-03312025

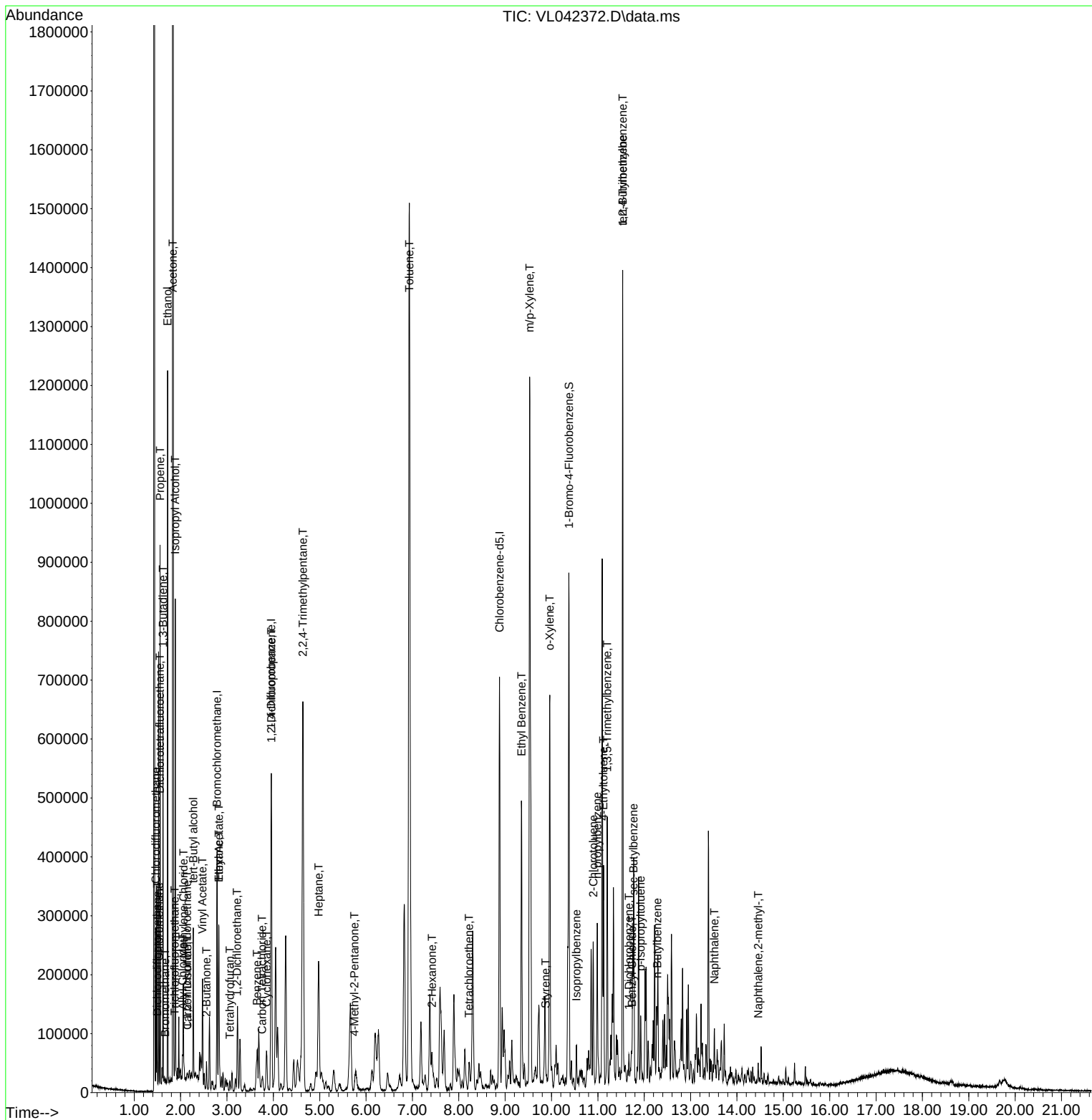
Quant Time: Apr 18 02:46:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

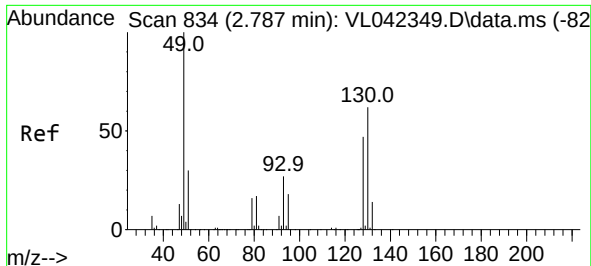
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

71) 2-Chlorotoluene	10.902	91	70326	1.381	ppbv	100
72) 4-Ethyltoluene	11.122	105	146733	2.714	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.203	105	156177	3.271	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	502862	9.018	ppbv #	64
76) 1,4-Dichlorobenzene	11.669	146	10548	0.362	ppbv #	80
79) Naphthalene	13.513	128	38387	0.576	ppbv	96
80) Naphthalene,2-methyl-	14.459	142	7927	0.209	ppbv #	89

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

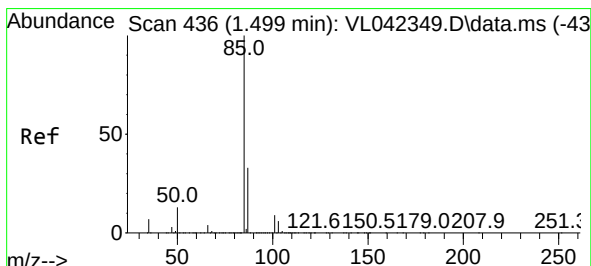
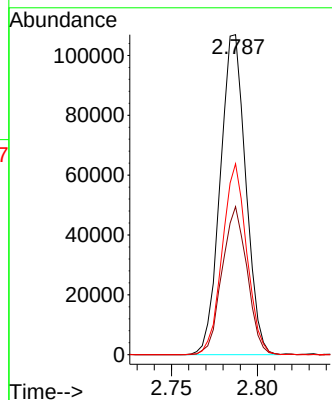
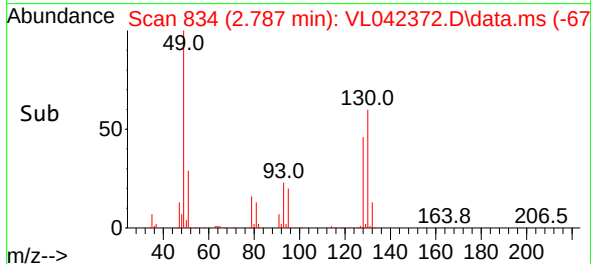
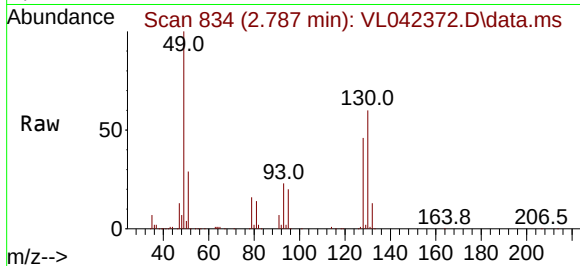




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

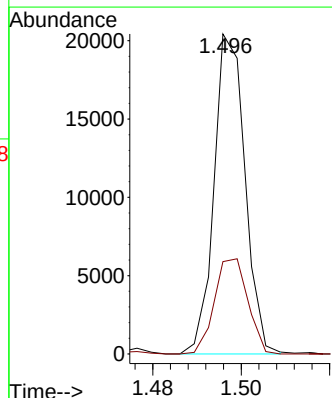
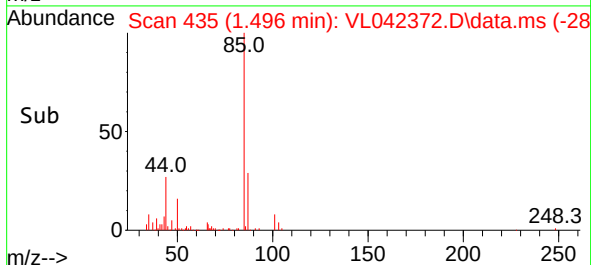
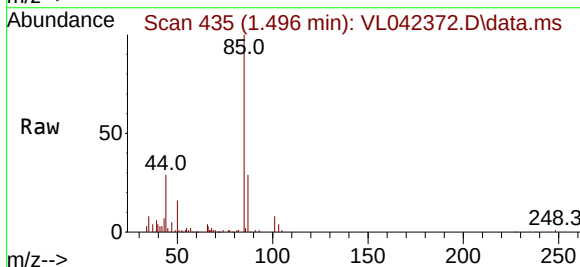
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

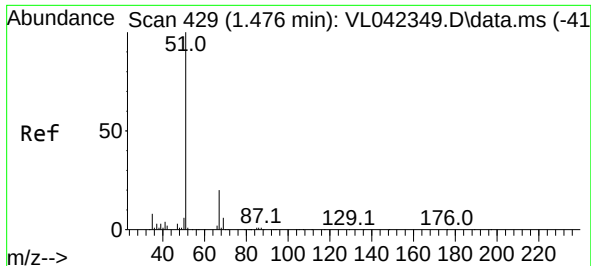
Tgt Ion: 49 Resp: 110448
Ion Ratio Lower Upper
49 100
128 45.3 22.8 68.4
130 57.0 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.509 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 85 Resp: 9928
Ion Ratio Lower Upper
85 100
87 28.9 26.6 39.8

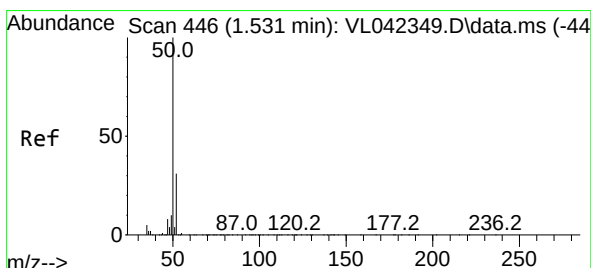
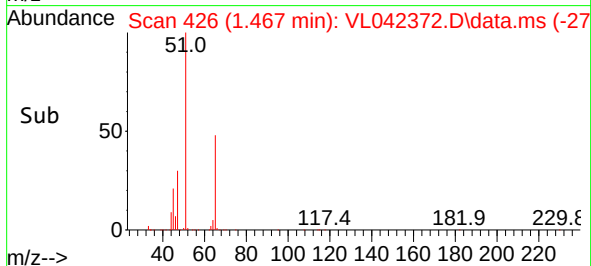
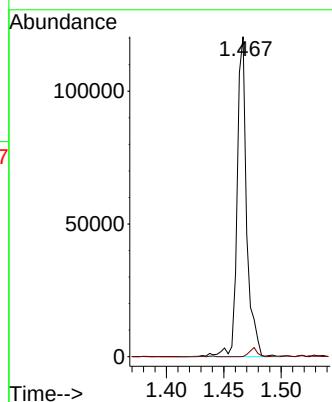
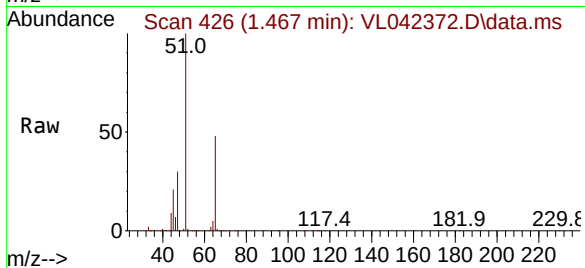




#3
Chlorodifluoromethane
Concen: 3.756 ppbv
RT: 1.467 min Scan# 41
Delta R.T. -0.009 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

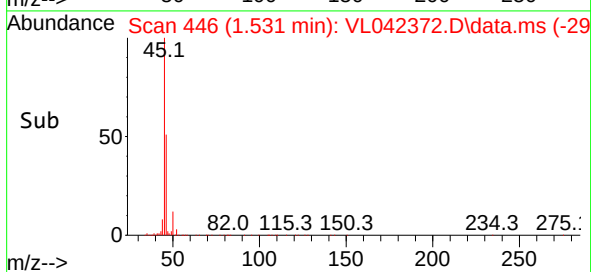
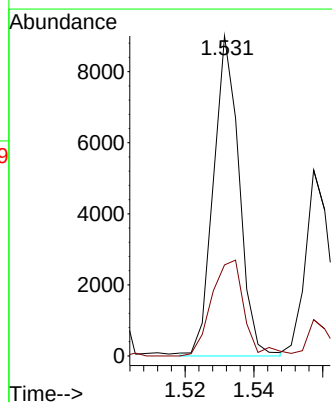
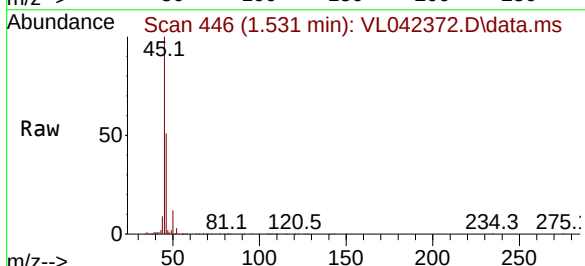
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

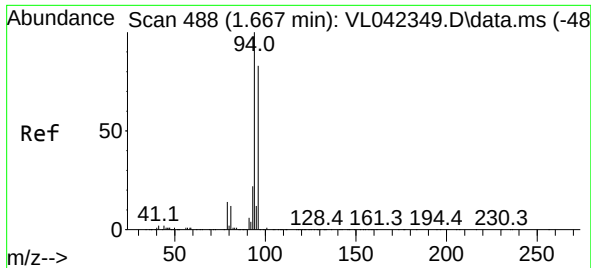
Tgt Ion: 51 Resp: 69795
Ion Ratio Lower Upper
51 100
67 2.6 16.2 24.4#



#4
Chloromethane
Concen: 0.604 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 50 Resp: 4664
Ion Ratio Lower Upper
50 100
52 27.9 24.7 37.1

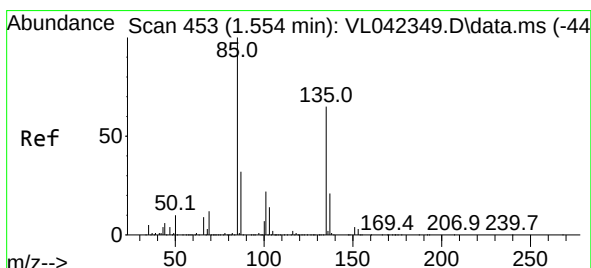
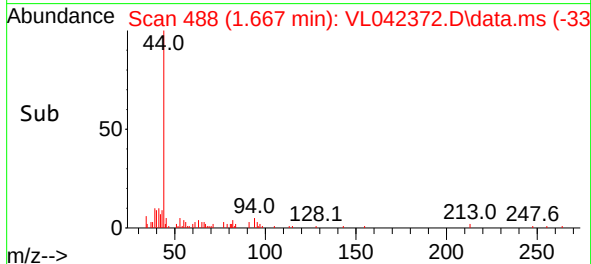
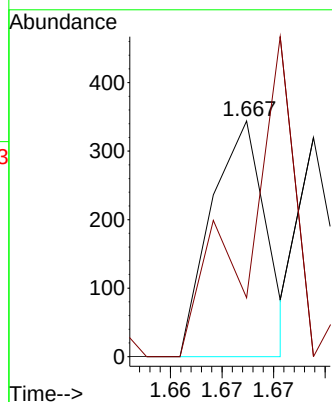
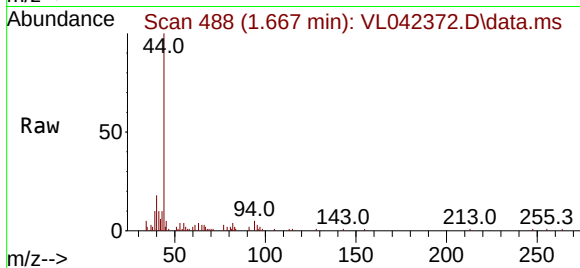




#6
Bromomethane
Concen: 0.036 ppbv
RT: 1.667 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

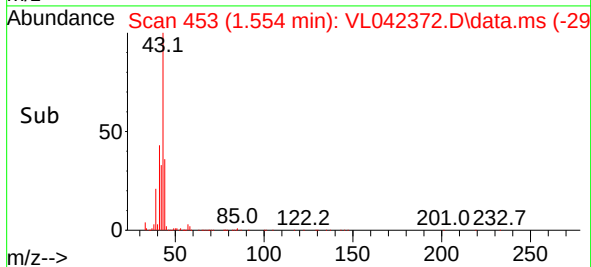
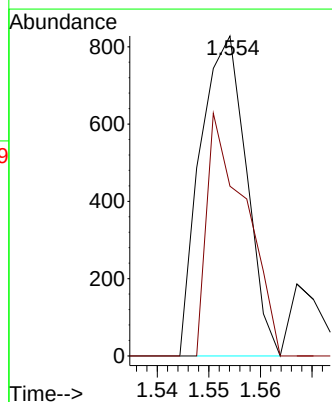
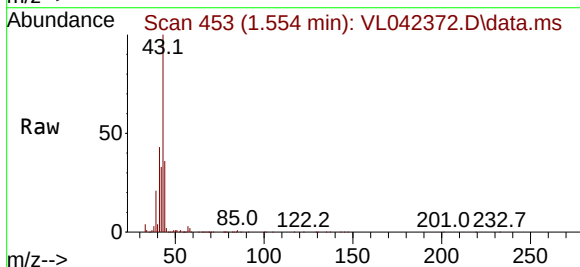
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

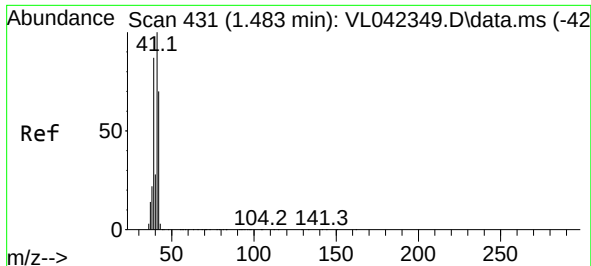
Tgt Ion: 94 Resp: 129
Ion Ratio Lower Upper
94 100
96 25.0 66.2 99.2#



#8
Dichlorotetrafluoroethane
Concen: 0.031 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 85 Resp: 514
Ion Ratio Lower Upper
85 100
135 64.0 52.2 78.2





#9

Propene

Concen: 10.507 ppbv

RT: 1.557 min Scan# 41

Delta R.T. 0.075 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Instrument :

MSVOA_L

ClientSampleId :

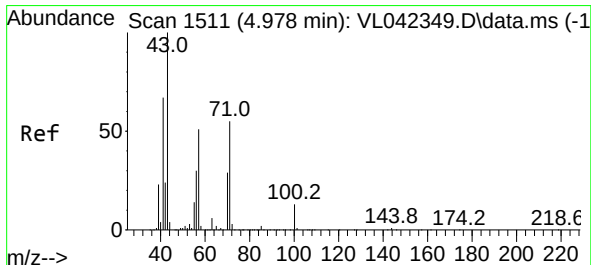
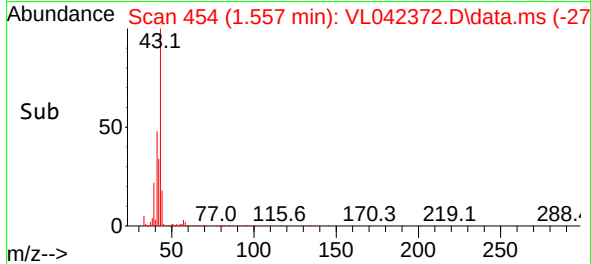
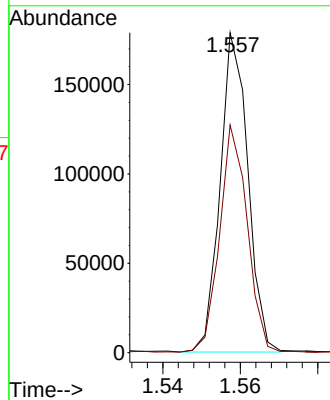
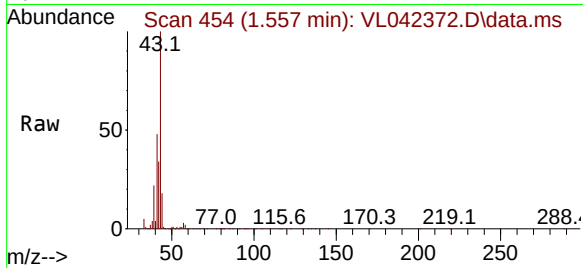
IA-B2-4-03312025

Tgt Ion: 41 Resp: 88913

Ion Ratio Lower Upper

41 100

42 73.0 56.2 84.4



#10

Heptane

Concen: 4.154 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VL042372.D

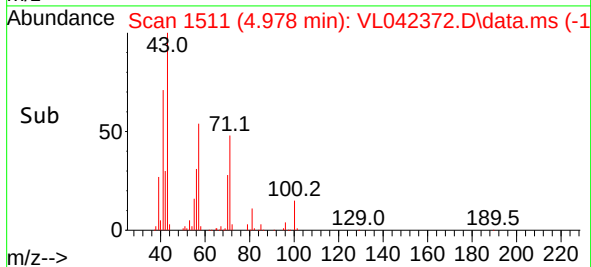
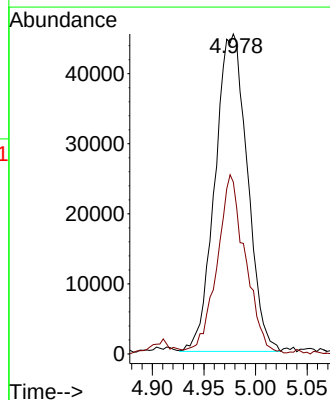
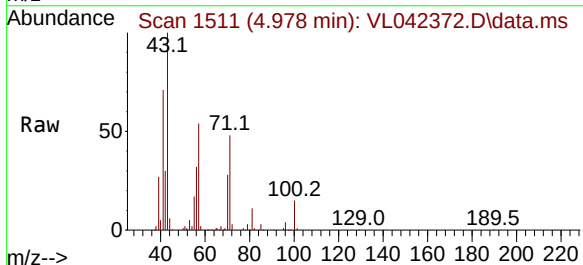
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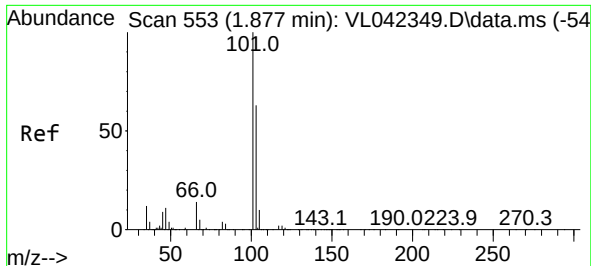
Tgt Ion: 43 Resp: 98760

Ion Ratio Lower Upper

43 100

57 50.3 39.9 59.9

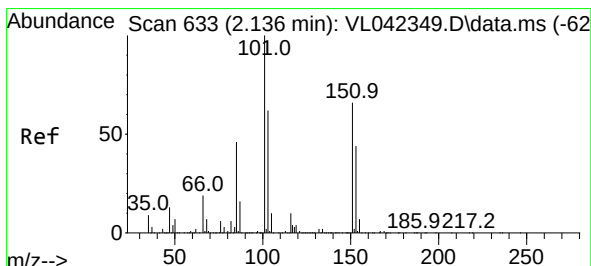
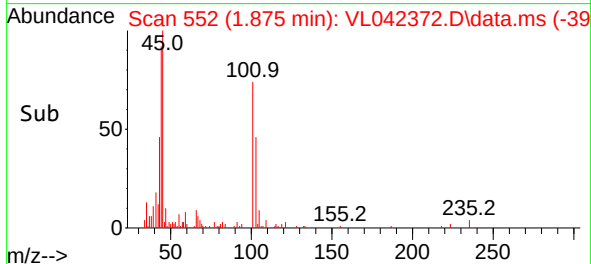
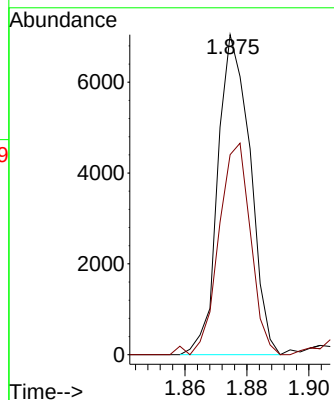
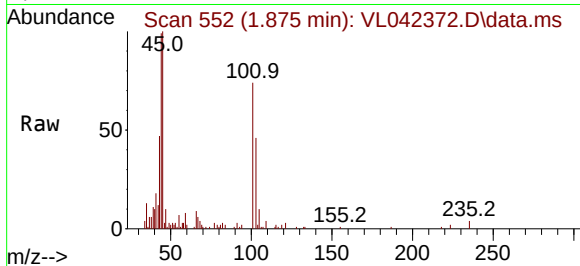




#11
 Trichlorofluoromethane
 Concen: 0.274 ppbv
 RT: 1.875 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042372.D
 Acq: 17 Apr 2025 23:26

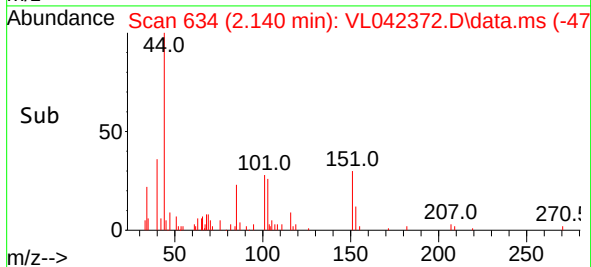
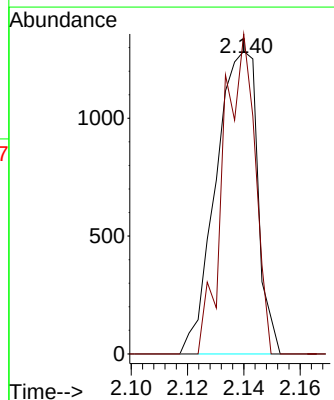
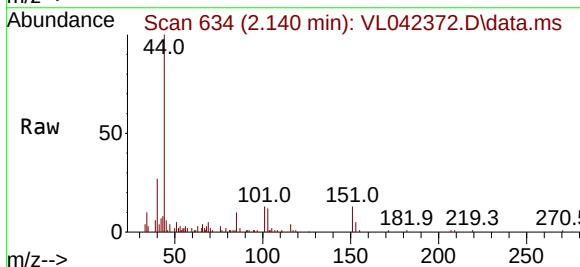
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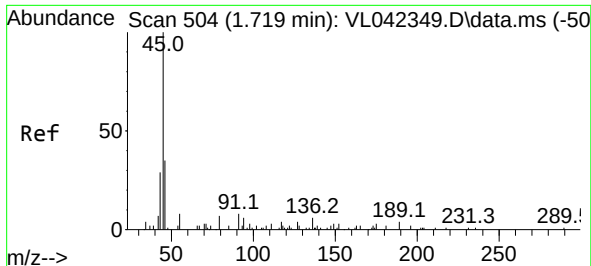
Tgt Ion:101 Resp: 5086
 Ion Ratio Lower Upper
 101 100
 103 62.5 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.087 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.004 min
 Lab File: VL042372.D
 Acq: 17 Apr 2025 23:26

Tgt Ion:101 Resp: 1322
 Ion Ratio Lower Upper
 101 100
 151 79.7 57.0 85.6

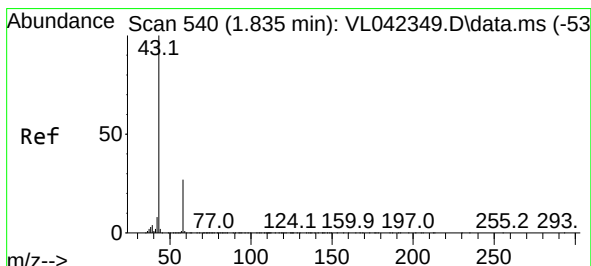
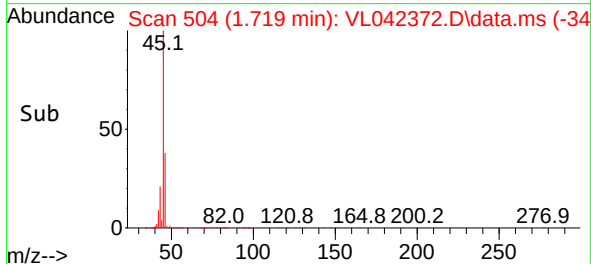
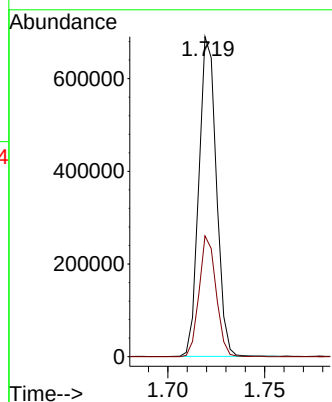
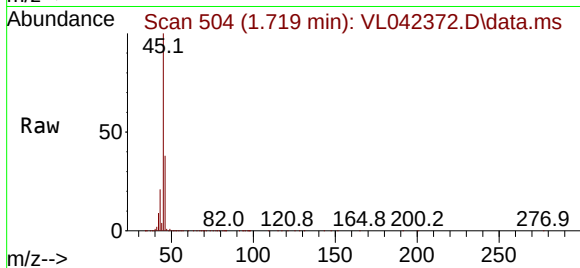




#13
Ethanol
Concen: 322.963 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

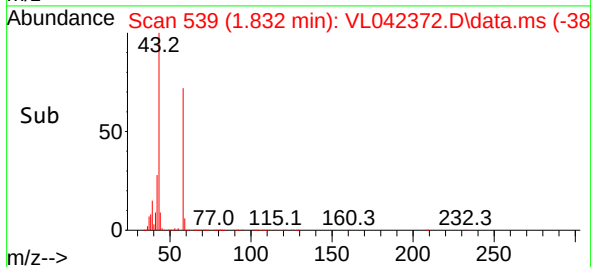
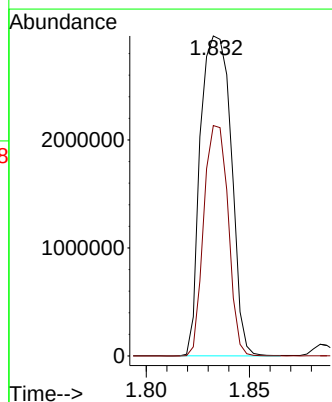
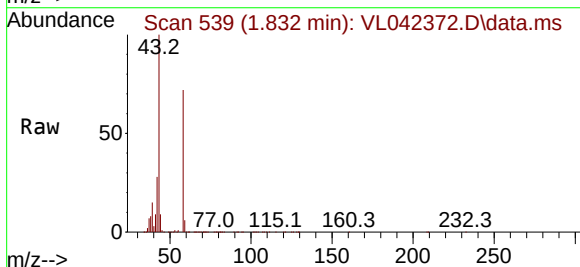
Instrument :
MSVOA_L
ClientSampleId :
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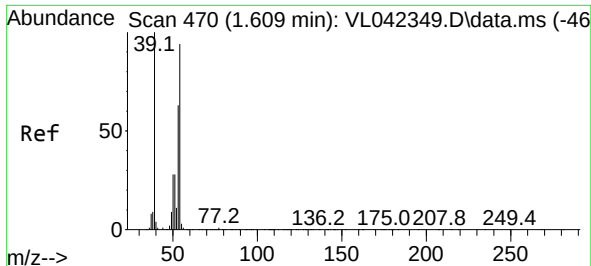
Tgt Ion: 45 Resp: 434403
Ion Ratio Lower Upper
45 100
46 36.8 21.9 87.7



#15
Acetone
Concen: 169.738 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 43 Resp: 3068967
Ion Ratio Lower Upper
43 100
58 56.8 22.4 33.6#

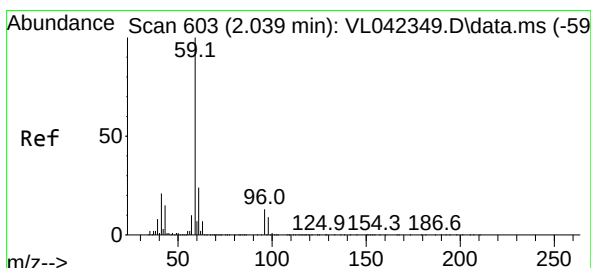
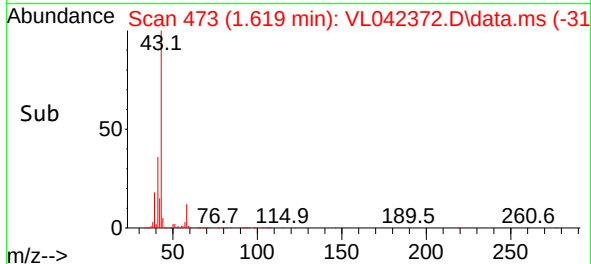
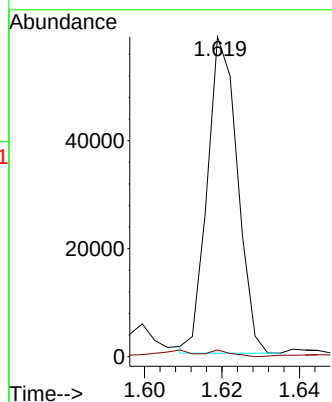
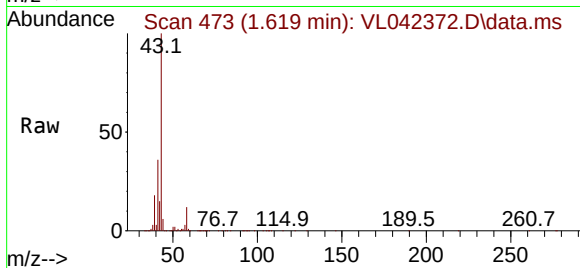




#16
1,3-Butadiene
Concen: 3.660 ppbv
RT: 1.619 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

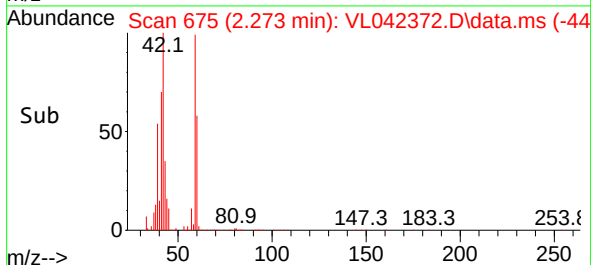
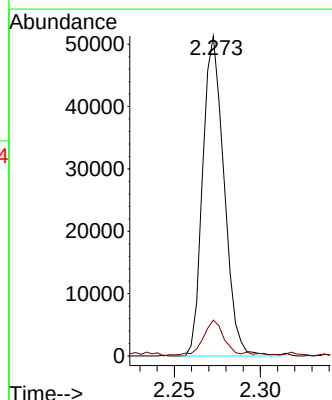
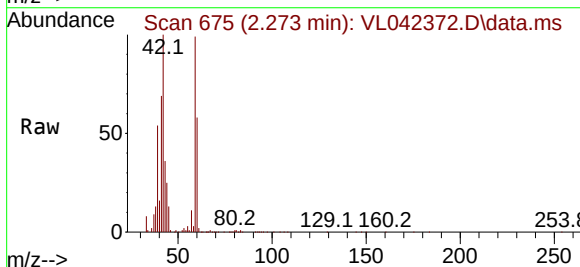
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

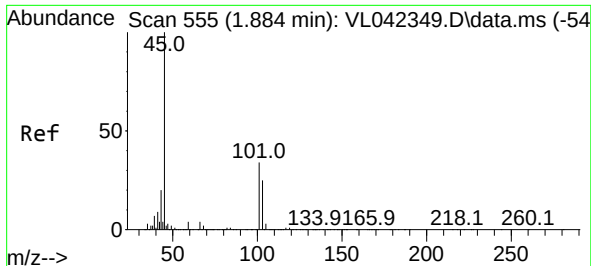
Tgt Ion: 39 Resp: 31651
Ion Ratio Lower Upper
39 100
54 4.5 64.9 97.3#



#17
tert-Butyl alcohol
Concen: 1.975 ppbv
RT: 2.273 min Scan# 675
Delta R.T. 0.233 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 59 Resp: 44264
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

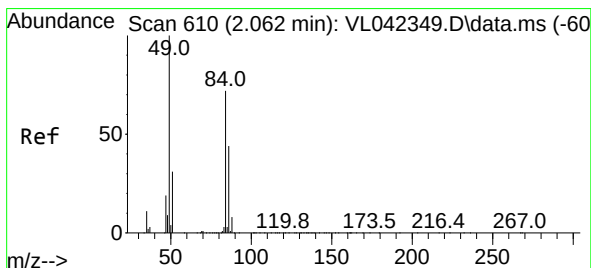
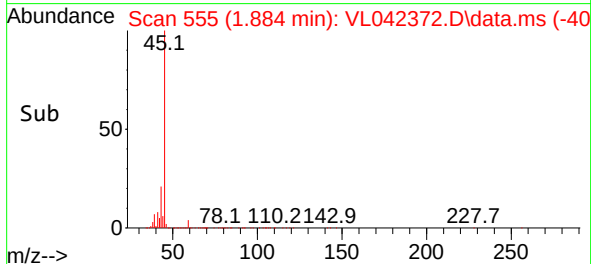
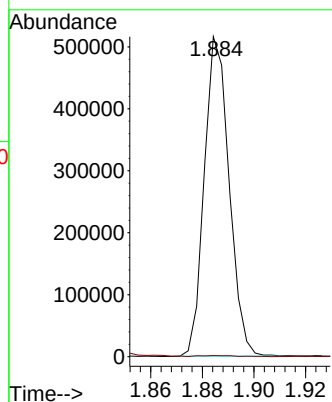
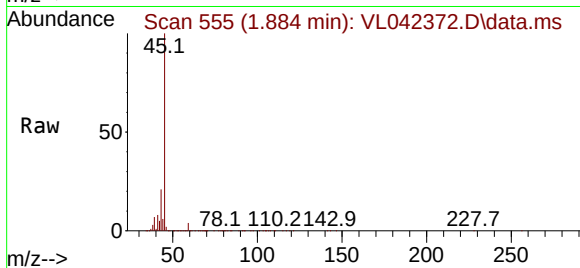




#19
Isopropyl Alcohol
Concen: 34.339 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

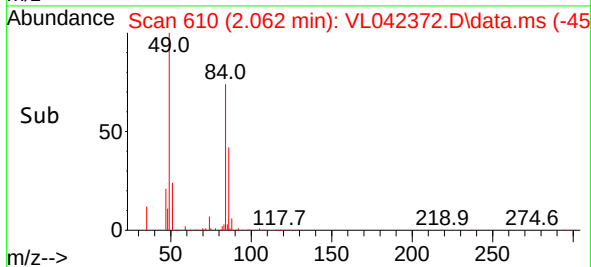
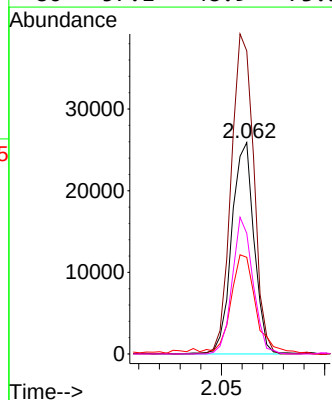
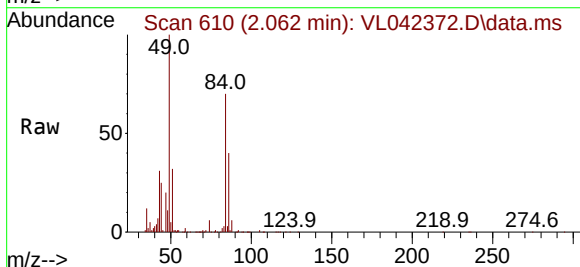
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

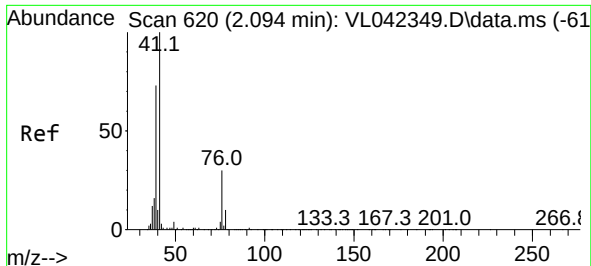
Tgt Ion: 45 Resp: 344907
Ion Ratio Lower Upper
45 100
58 0.0 34.5 51.7#



#20
Methylene Chloride
Concen: 2.742 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 84 Resp: 19413
Ion Ratio Lower Upper
84 100
49 143.4 111.6 167.4
51 44.2 35.1 52.7
86 57.1 48.9 73.3

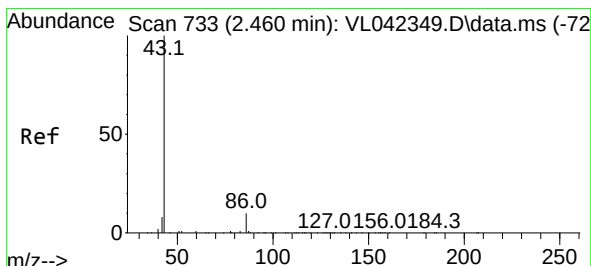
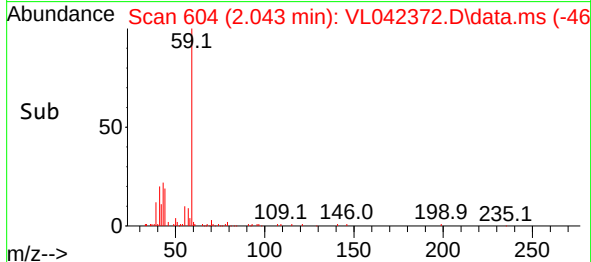
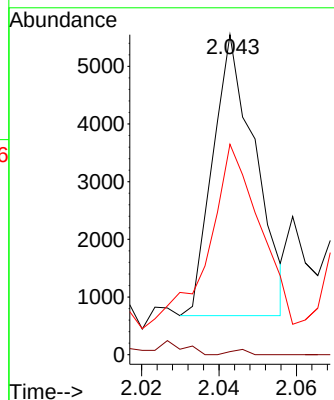
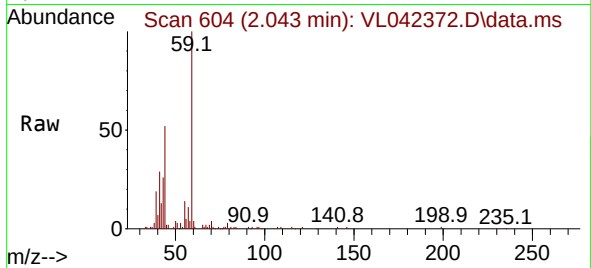




#21
 Allyl Chloride
 Concen: 0.297 ppbv
 RT: 2.043 min Scan# 604
 Delta R.T. -0.051 min
 Lab File: VL042372.D
 Acq: 17 Apr 2025 23:26

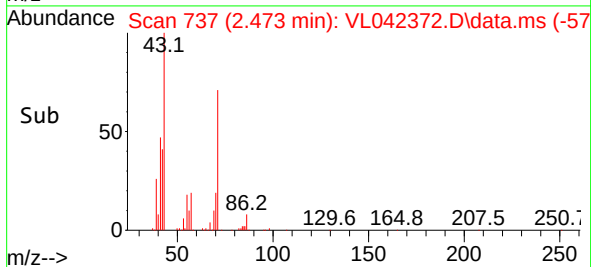
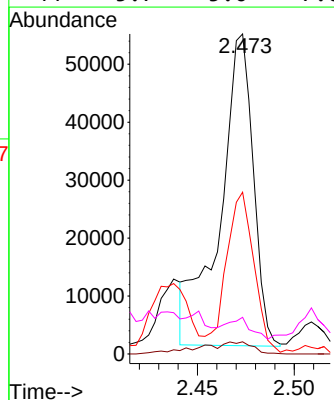
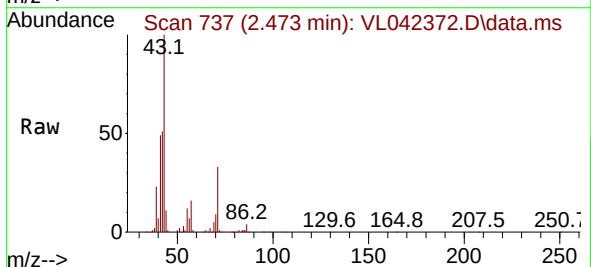
Instrument :
 MSVOA_1
 ClientSampleId :
 IA-B2-4-03312025

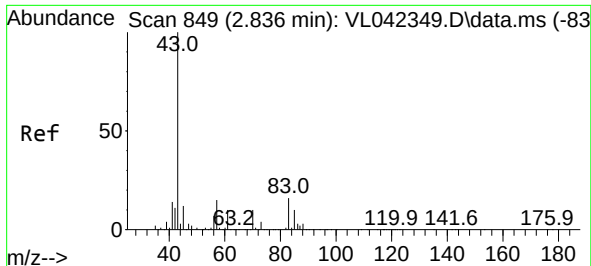
Tgt Ion: 41 Resp: 3713
 Ion Ratio Lower Upper
 41 100
 76 4.7 24.8 37.2#
 39 0.0 60.6 90.8#



#23
 Vinyl Acetate
 Concen: 8.804 ppbv
 RT: 2.473 min Scan# 737
 Delta R.T. 0.013 min
 Lab File: VL042372.D
 Acq: 17 Apr 2025 23:26

Tgt Ion: 43 Resp: 64430
 Ion Ratio Lower Upper
 43 100
 86 3.8 6.5 9.7#
 42 51.6 7.8 11.8#
 44 5.7 5.0 7.6





#25

Ethyl Acetate

Concen: 1.300 ppbv

RT: 2.826 min Scan# 84

Delta R.T. -0.009 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Instrument :

MSVOA_1

ClientSampleId :

IA-B2-4-03312025

Tgt Ion: 43 Resp: 57942

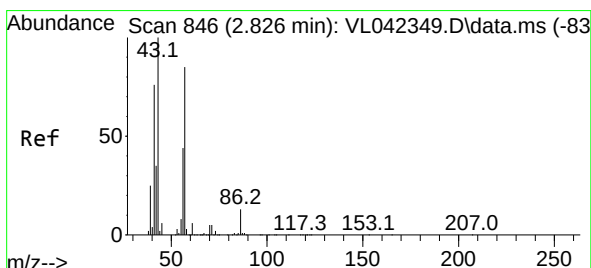
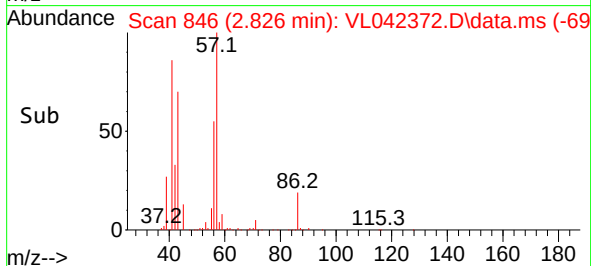
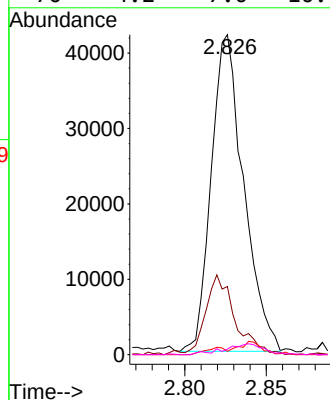
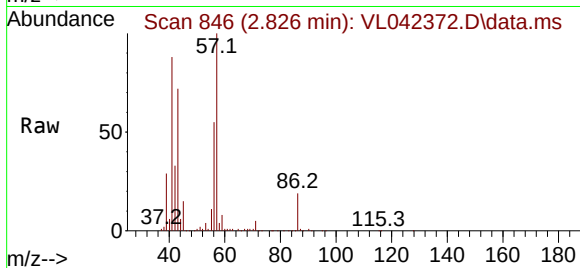
Ion Ratio Lower Upper

43 100

45 23.6 8.3 12.5#

61 4.5 7.3 10.9#

70 4.2 7.0 10.6#



#26

Hexane

Concen: 3.784 ppbv

RT: 2.823 min Scan# 845

Delta R.T. -0.003 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Tgt Ion: 57 Resp: 68262

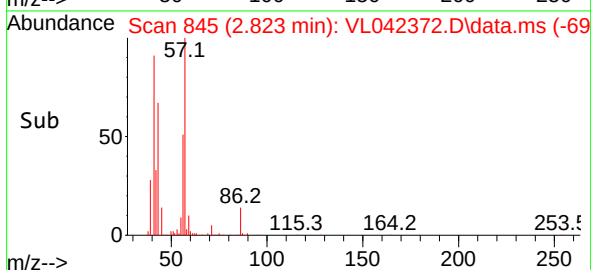
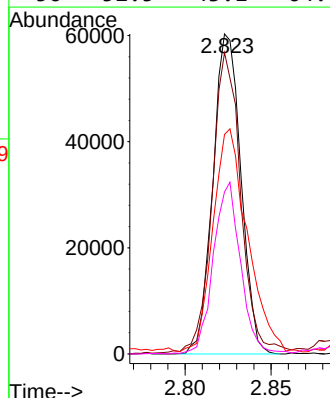
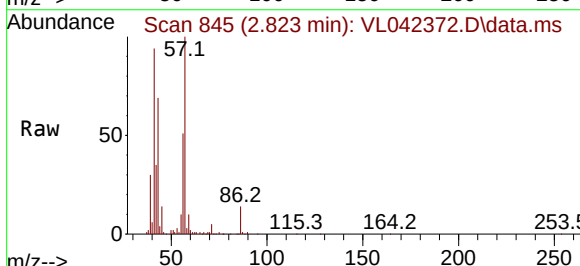
Ion Ratio Lower Upper

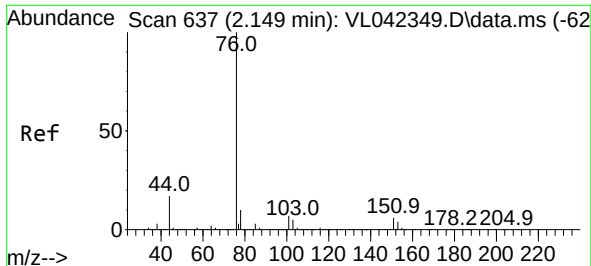
57 100

41 96.5 77.9 116.9

43 86.0 208.4 312.6#

56 52.5 43.1 64.7





#27

Carbon Disulfide

Concen: 0.068 ppbv

RT: 2.146 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042372.D

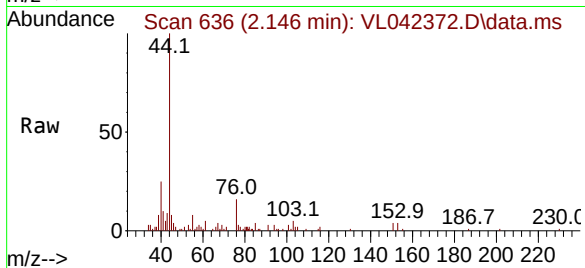
Acq: 17 Apr 2025 23:26

Instrument :

MSVOA_L

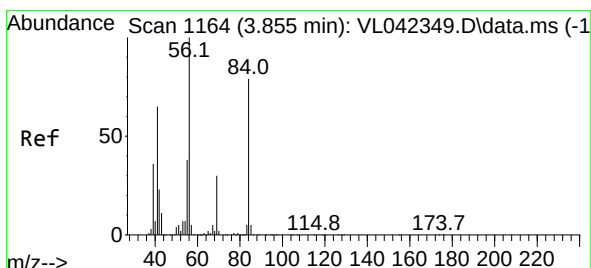
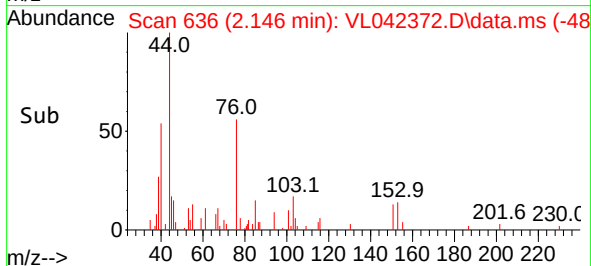
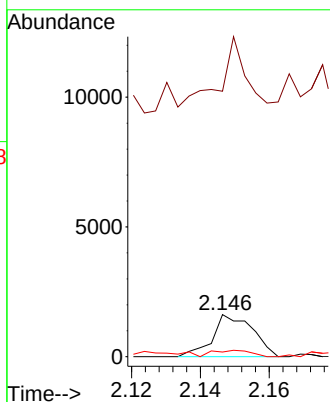
ClientSampleId :

IA-B2-4-03312025



Tgt Ion: 76 Resp: 1314

Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.5	23.3#
78	29.8	9.3	13.9#



#30

Cyclohexane

Concen: 1.300 ppbv

RT: 3.855 min Scan# 1164

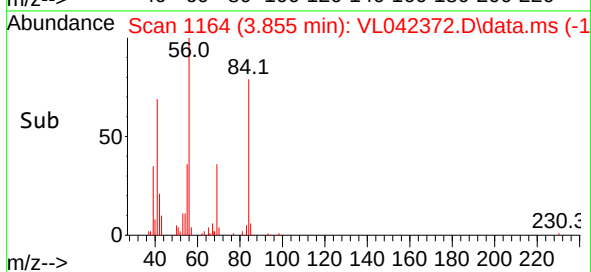
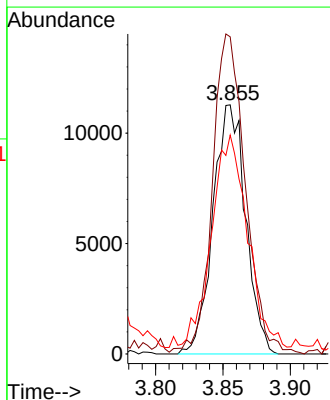
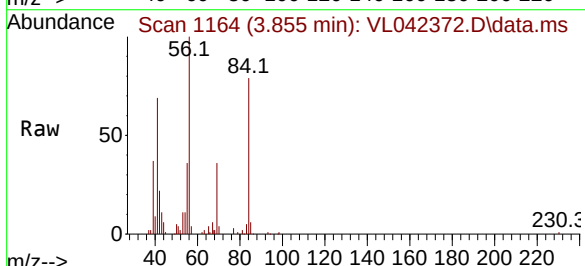
Delta R.T. 0.000 min

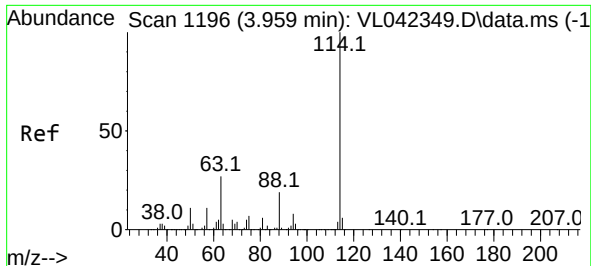
Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Tgt Ion: 84 Resp: 18963

Ion	Ratio	Lower	Upper
84	100		
56	131.9	101.0	151.4
41	93.9	67.4	101.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.003 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-4-03312025

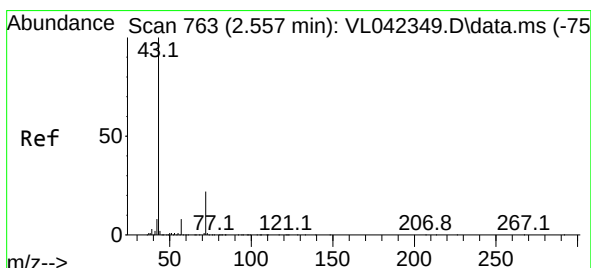
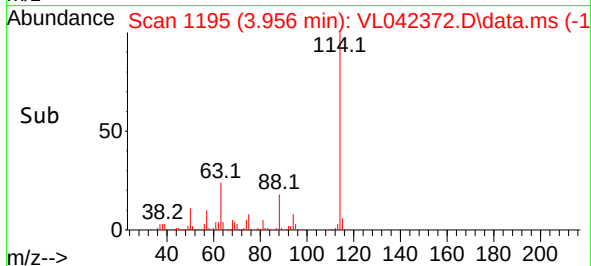
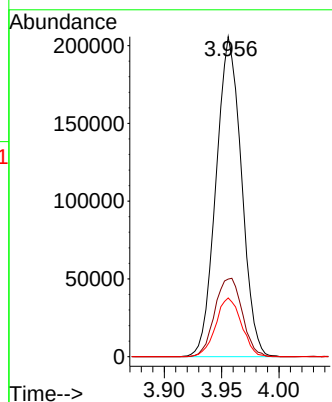
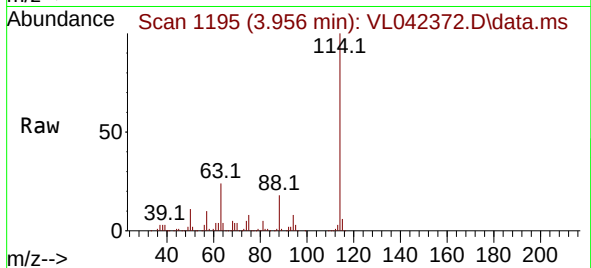
Tgt Ion:114 Resp: 317011

Ion Ratio Lower Upper

114 100

63 26.5 21.8 32.6

88 18.5 15.5 23.3



#34

2-Butanone

Concen: 1.190 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.000 min

Lab File: VL042372.D

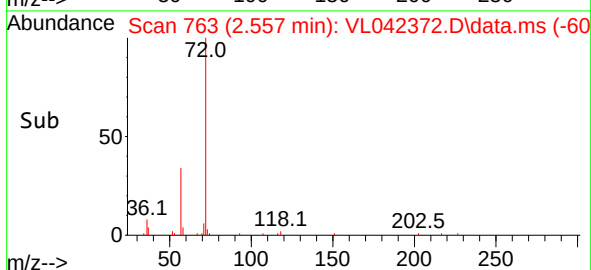
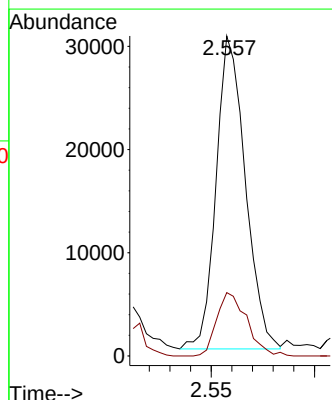
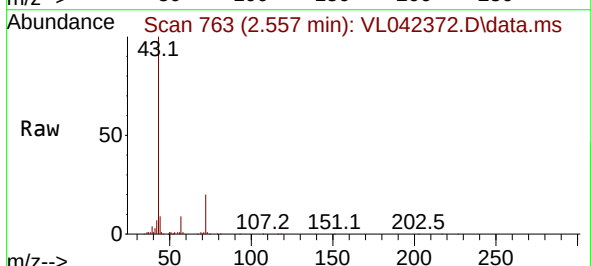
Acq: 17 Apr 2025 23:26

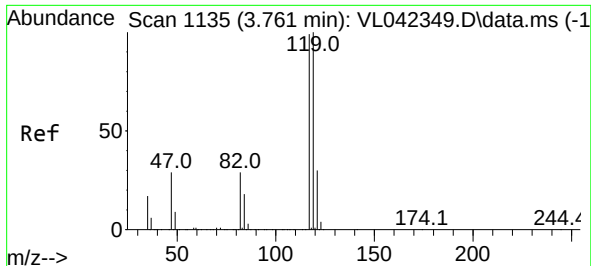
Tgt Ion: 43 Resp: 29844

Ion Ratio Lower Upper

43 100

72 20.9 18.2 27.2

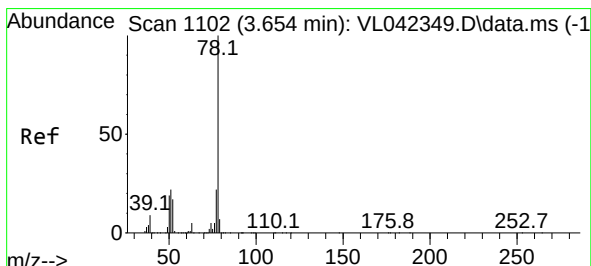
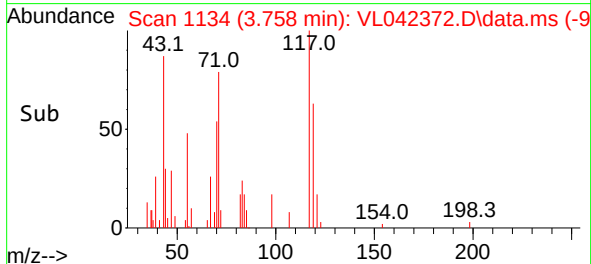
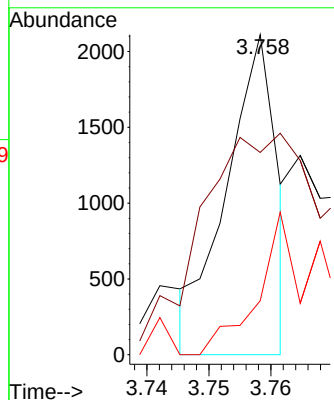
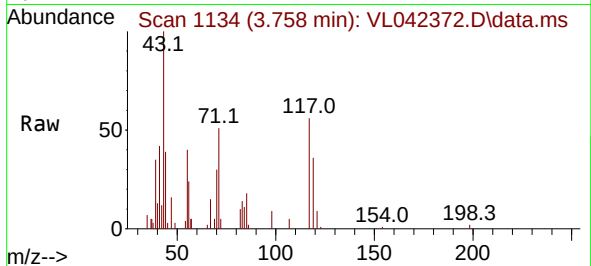




#35
Carbon Tetrachloride
Concen: 0.042 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

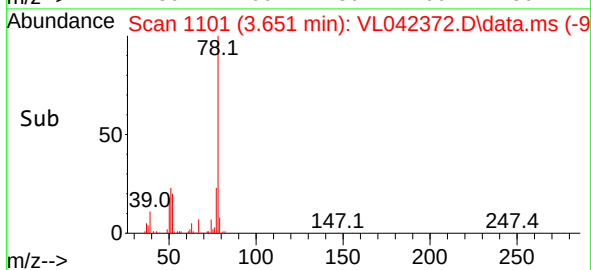
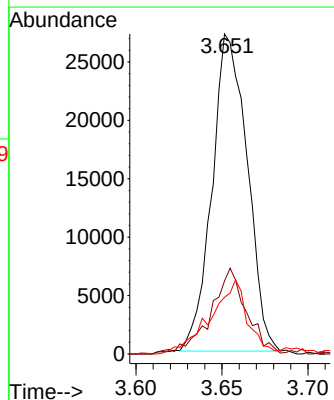
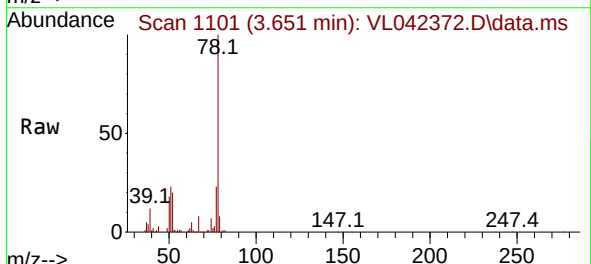
Instrument : MSVOA_1
ClientSampleId : IA-B2-4-03312025

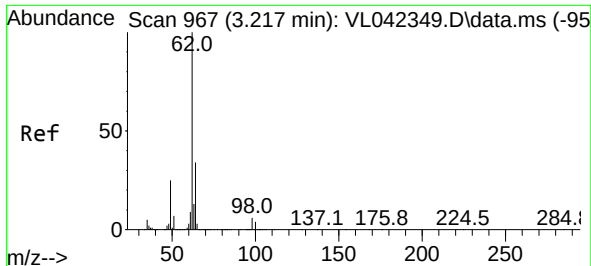
Tgt Ion: 117 Resp: 1196
Ion Ratio Lower Upper
117 100
119 60.3 80.5 120.7#
121 21.2 24.2 36.2#



#36
Benzene
Concen: 1.128 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 78 Resp: 38575
Ion Ratio Lower Upper
78 100
77 22.7 17.4 26.0
50 15.8 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.212 ppbv

RT: 3.218 min Scan# 9

Delta R.T. 0.000 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Instrument :

MSVOA_L

ClientSampleId :

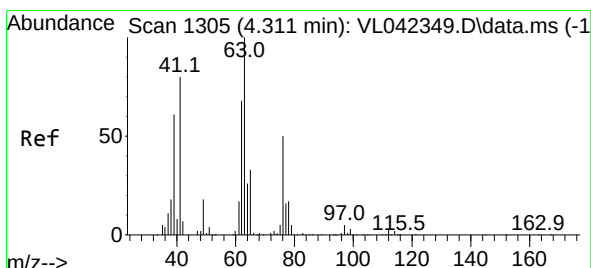
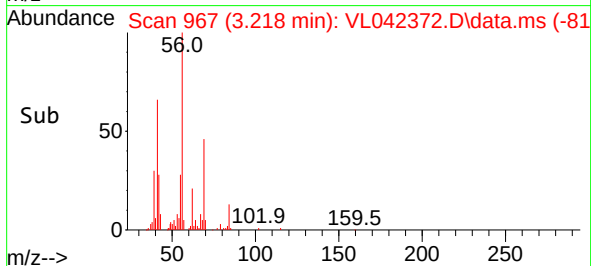
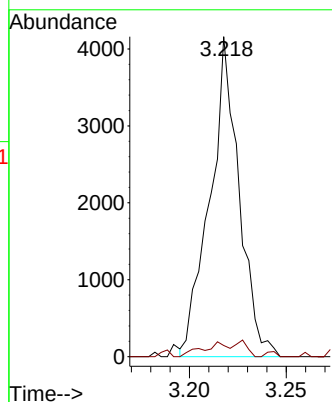
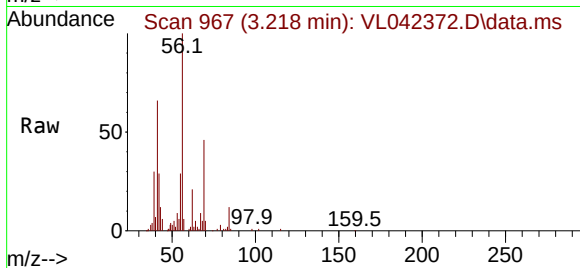
IA-B2-4-03312025

Tgt Ion: 62 Resp: 4357

Ion Ratio Lower Upper

62 100

98 8.8 5.1 7.7#



#39

1,2-Dichloropropane

Concen: 6.584 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.352 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

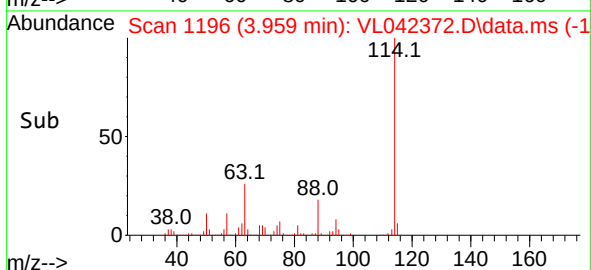
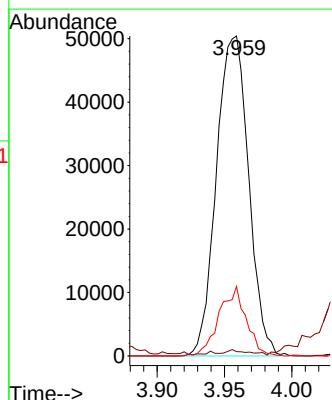
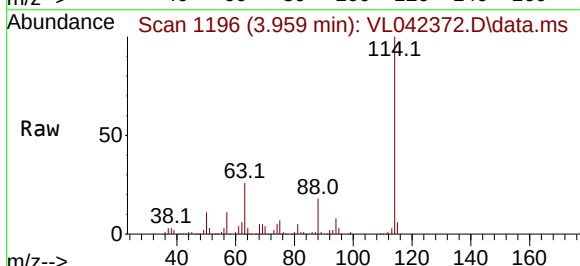
Tgt Ion: 63 Resp: 83896

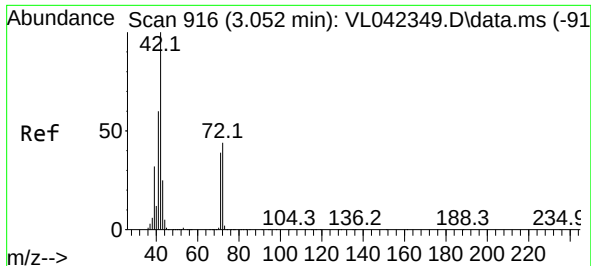
Ion Ratio Lower Upper

63 100

41 0.6 64.2 96.2#

62 21.7 54.3 81.5#

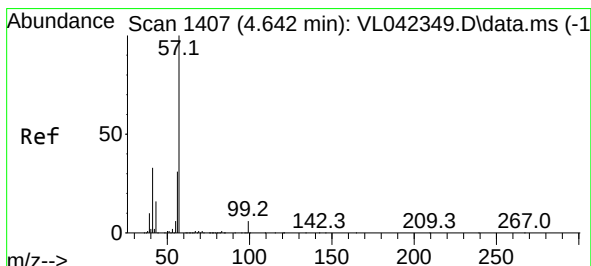
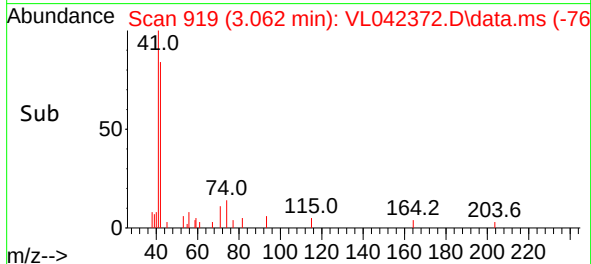
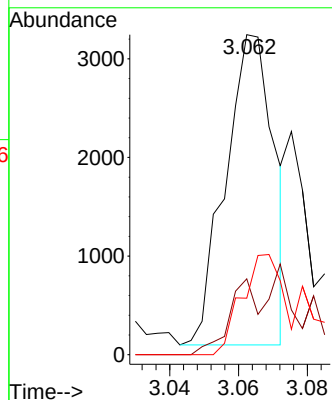
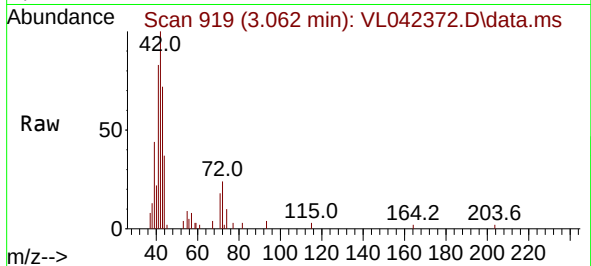




#41
Tetrahydrofuran
Concen: 0.210 ppbv
RT: 3.062 min Scan# 916
Delta R.T. 0.010 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

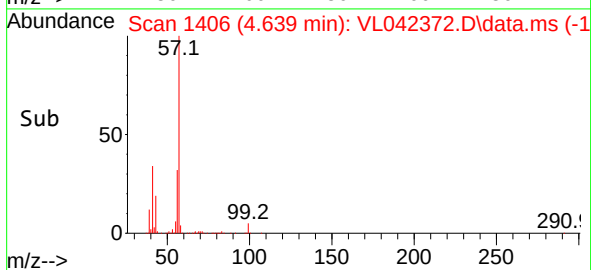
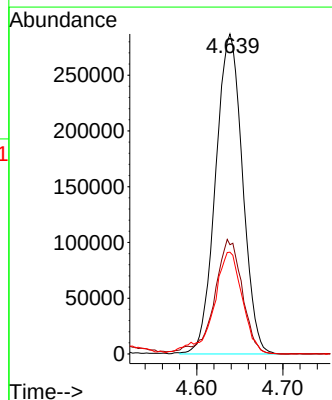
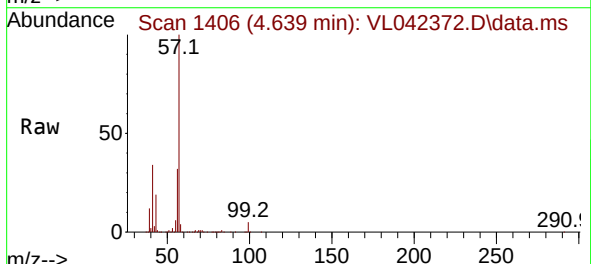
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

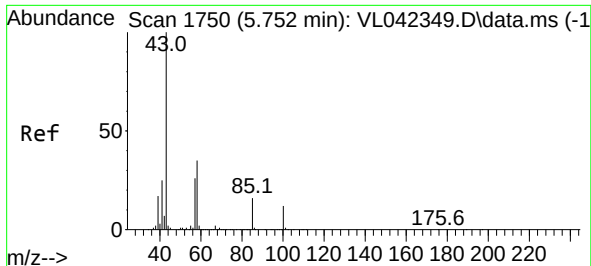
Tgt Ion: 42 Resp: 3068
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 0.0 31.4 47.2#



#44
2,2,4-Trimethylpentane
Concen: 10.563 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 57 Resp: 623779
Ion Ratio Lower Upper
57 100
41 37.2 27.2 40.8
56 34.0 25.7 38.5





#50

4-Methyl-2-Pentanone

Concen: 0.077 ppbv

RT: 5.752 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Instrument :

MSVOA_L

ClientSampleId :

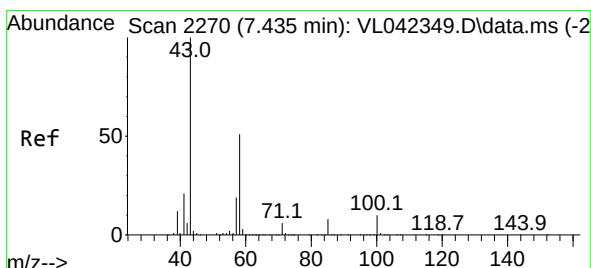
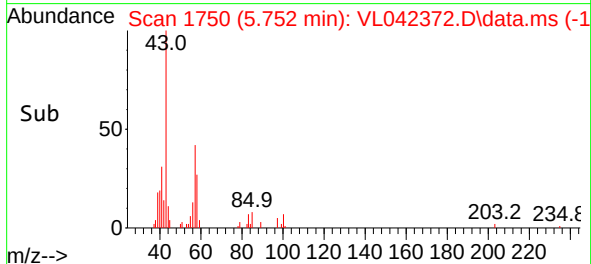
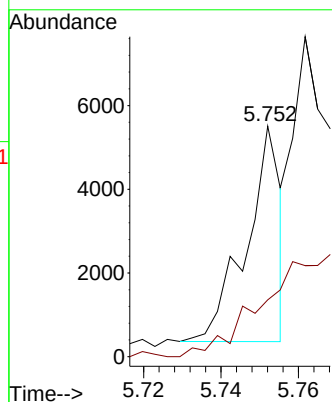
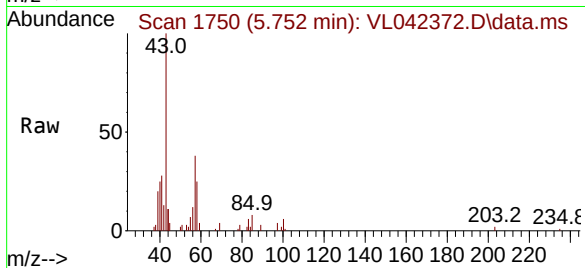
IA-B2-4-03312025

Tgt Ion: 43 Resp: 3194

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#



#51

2-Hexanone

Concen: 0.285 ppbv

RT: 7.422 min Scan# 2266

Delta R.T. -0.013 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

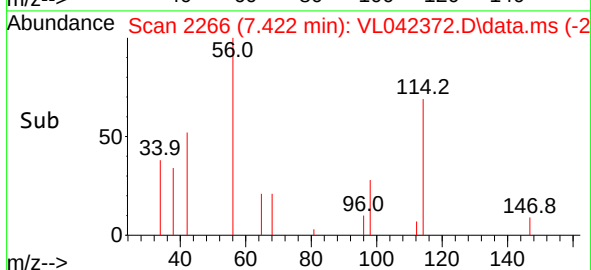
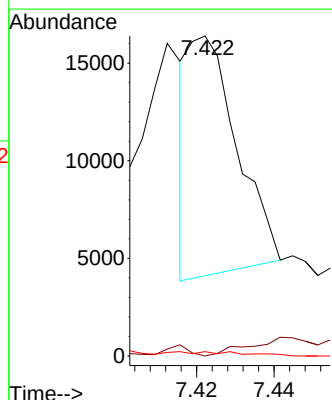
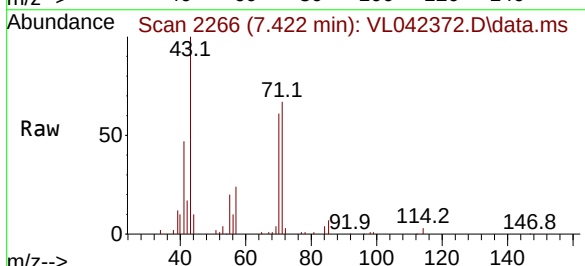
Tgt Ion: 43 Resp: 10664

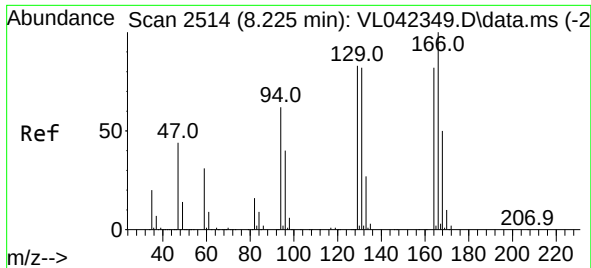
Ion Ratio Lower Upper

43 100

58 19.3 40.2 60.4#

98 0.0 0.1 0.1#

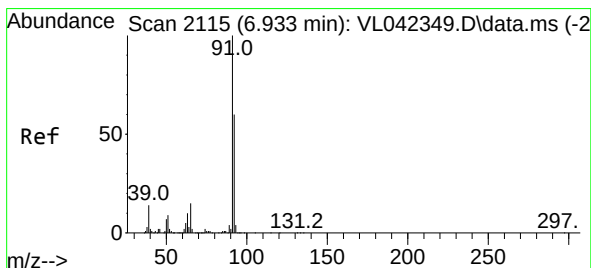
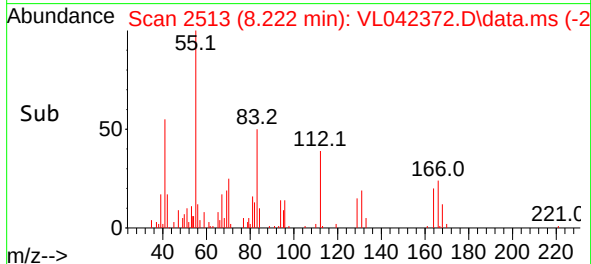
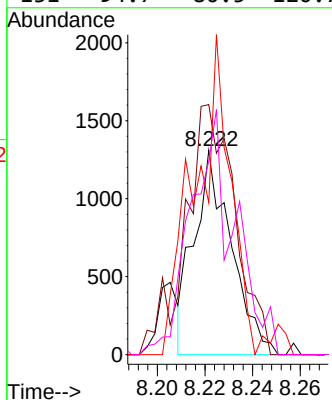
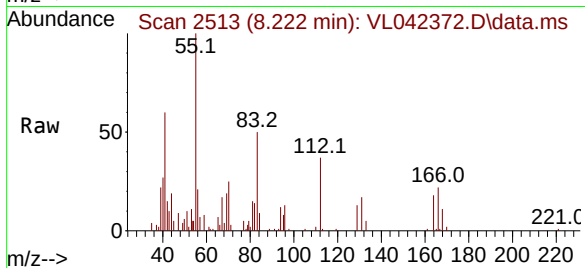




#52
Tetrachloroethene
Concen: 0.107 ppbv
RT: 8.222 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

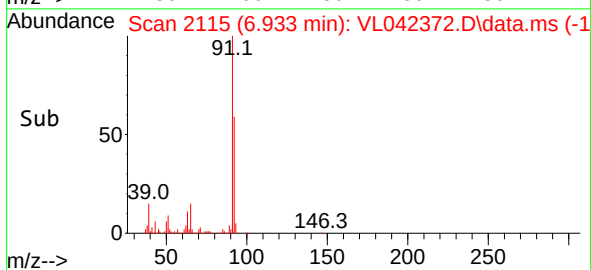
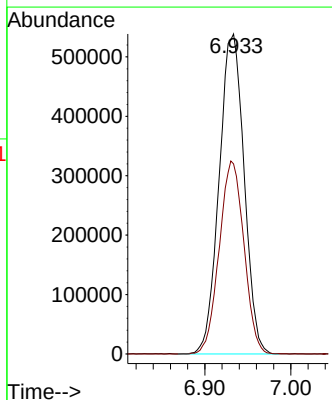
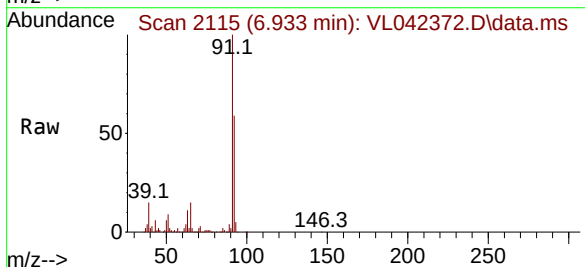
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

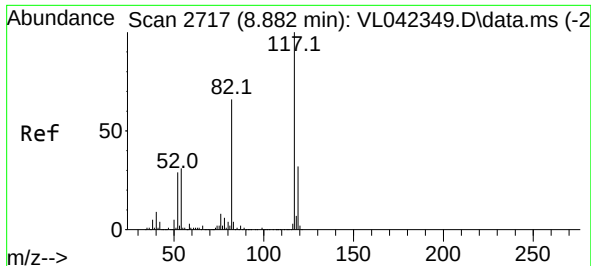
Tgt Ion:164 Resp: 1420
Ion Ratio Lower Upper
164 100
166 122.4 98.2 147.2
129 59.5 81.8 122.8#
131 94.7 80.5 120.7



#53
Toluene
Concen: 26.450 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 91 Resp: 1085281
Ion Ratio Lower Upper
91 100
92 59.7 48.2 72.4

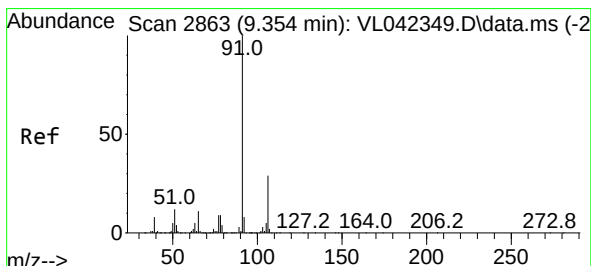
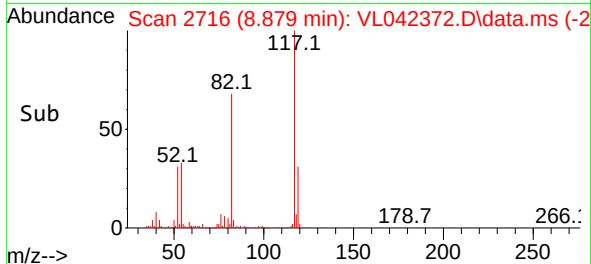
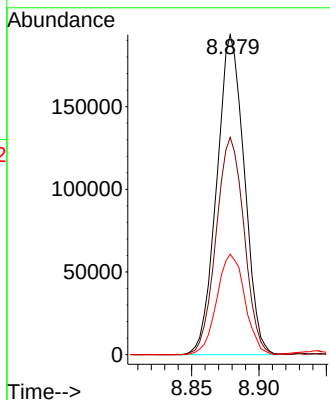
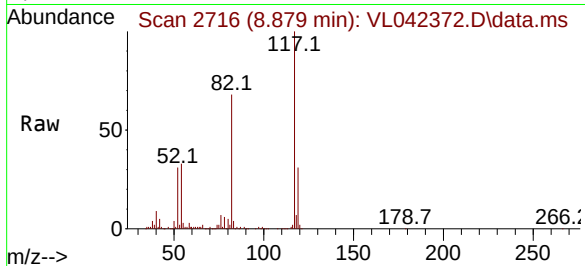




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

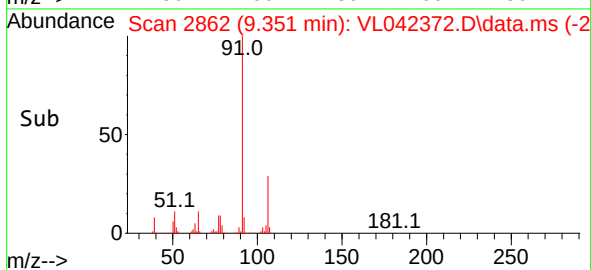
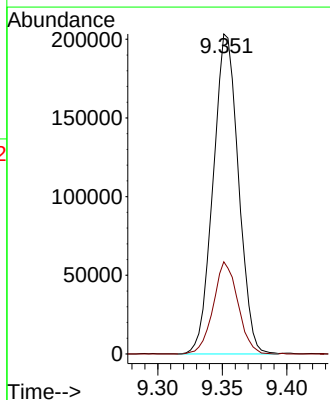
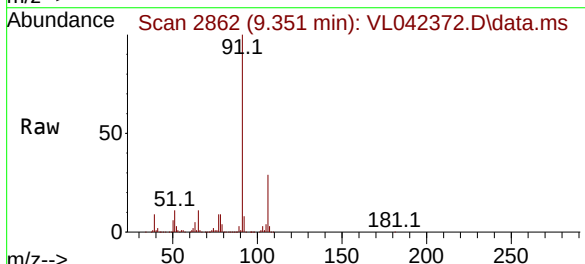
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

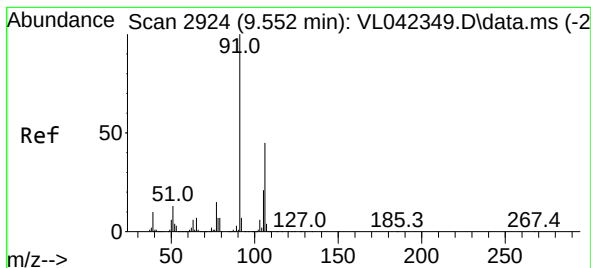
Tgt Ion:117 Resp: 275197
Ion Ratio Lower Upper
117 100
82 69.1 57.8 86.6
119 32.0 25.2 37.8



#58
Ethyl Benzene
Concen: 5.088 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 91 Resp: 277437
Ion Ratio Lower Upper
91 100
106 28.8 23.0 34.4





#59

m/p-Xylene

Concen: 17.539 ppbv

RT: 9.529 min Scan# 2917

Delta R.T. -0.022 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Instrument :

MSVOA_L

ClientSampleId :

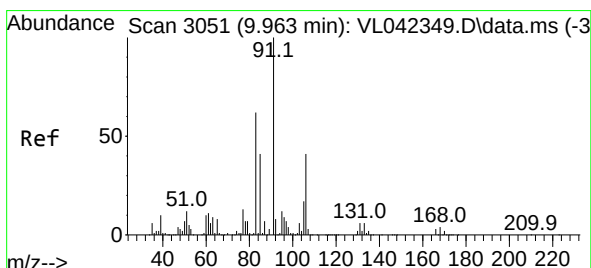
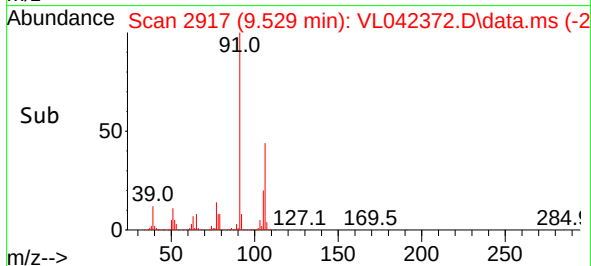
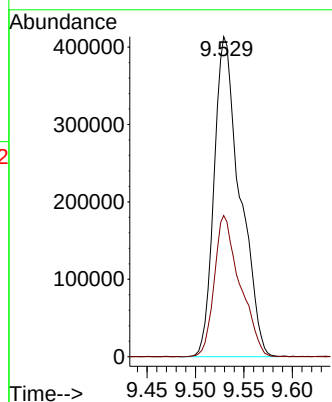
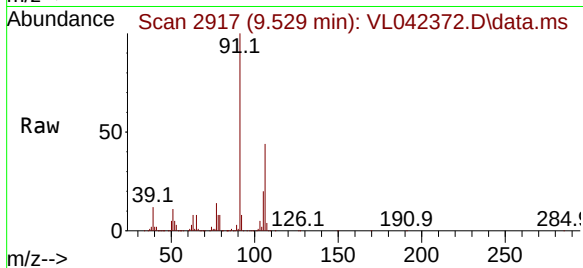
IA-B2-4-03312025

Tgt Ion: 91 Resp: 770401

Ion Ratio Lower Upper

91 100

106 43.7 35.4 53.2



#60

o-Xylene

Concen: 6.906 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL042372.D

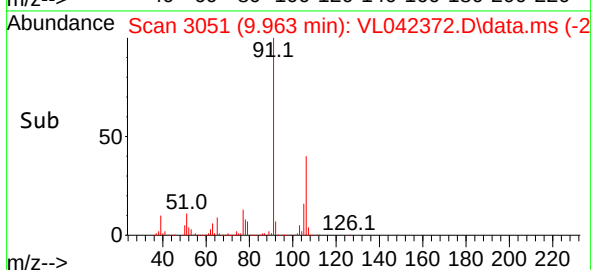
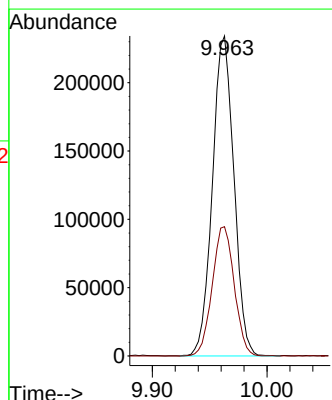
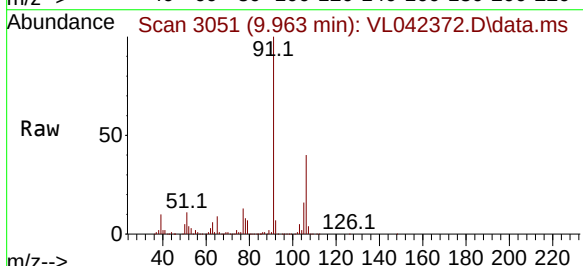
Acq: 17 Apr 2025 23:26

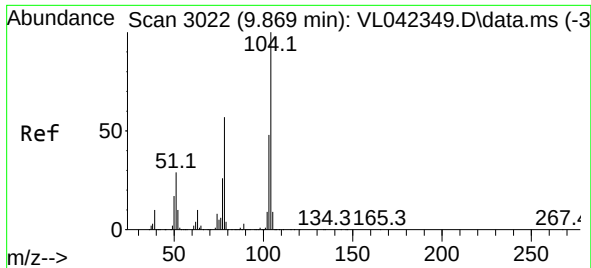
Tgt Ion: 91 Resp: 305451

Ion Ratio Lower Upper

91 100

106 41.3 21.1 63.4





#61

Styrene

Concen: 0.366 ppbv

RT: 9.872 min Scan# 3022

Delta R.T. 0.004 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

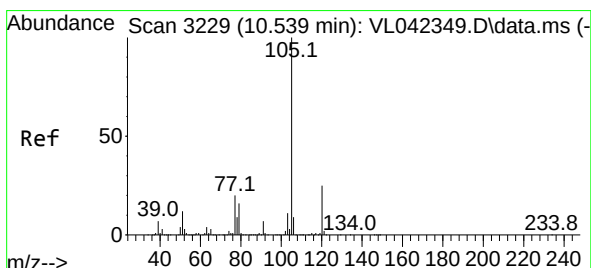
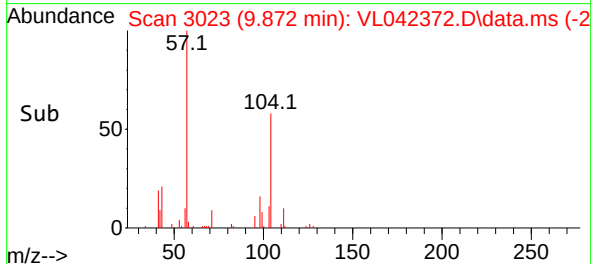
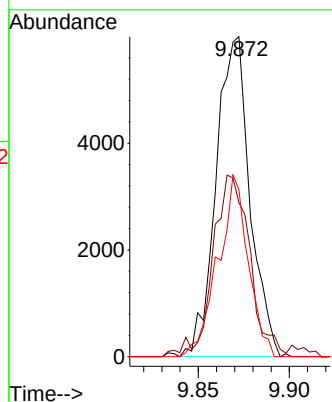
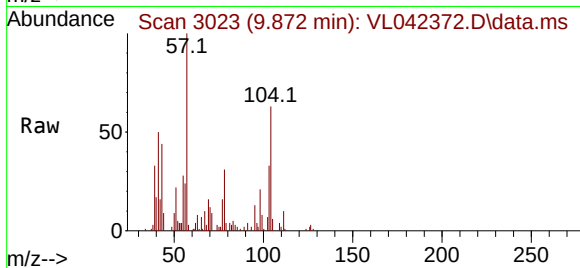
Instrument :

MSVOA_1

ClientSampleId :

IA-B2-4-03312025

Tgt Ion:104	Resp:	7737
Ion Ratio	Lower	Upper
104	100	
78	63.5	44.6 66.8
103	50.7	37.4 56.0



#62

Isopropylbenzene

Concen: 0.499 ppbv

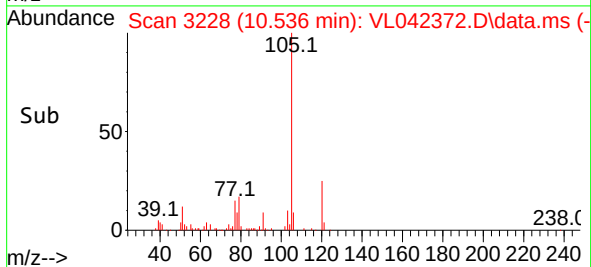
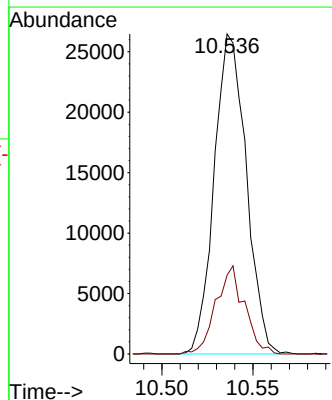
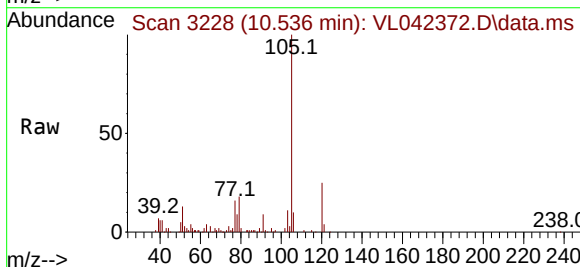
RT: 10.536 min Scan# 3228

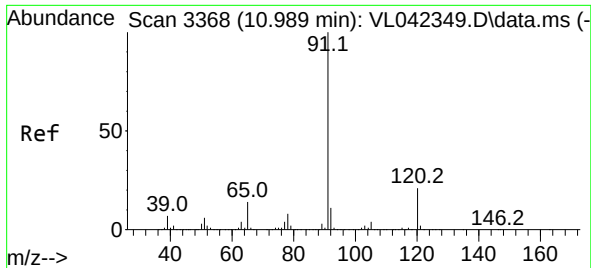
Delta R.T. -0.003 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Tgt Ion:105	Resp:	32373
Ion Ratio	Lower	Upper
105	100	
120	24.4	19.8 29.8

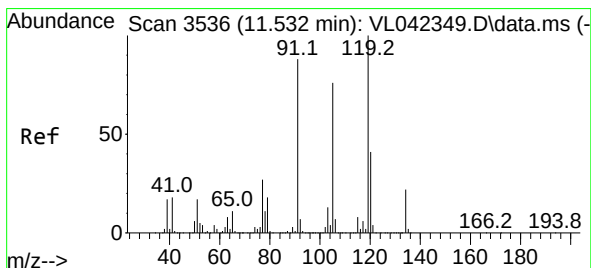
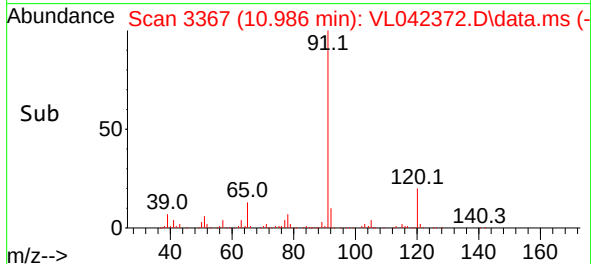
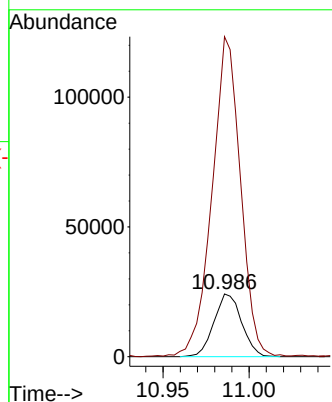
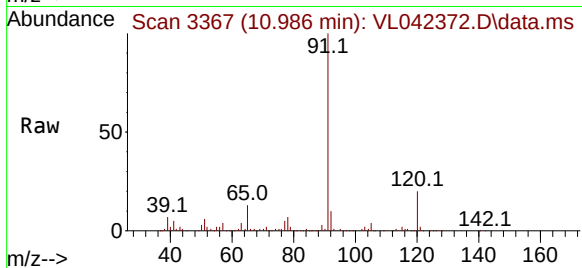




#64
n-propylbenzene
Concen: 1.657 ppbv
RT: 10.986 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

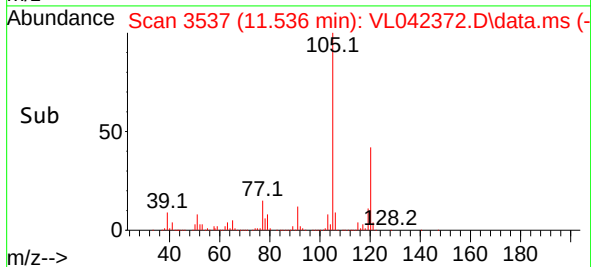
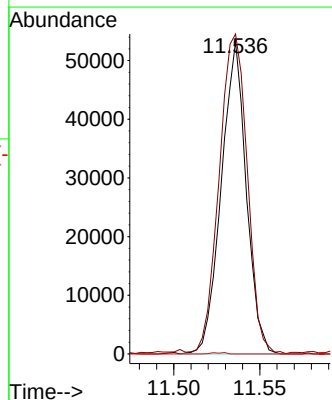
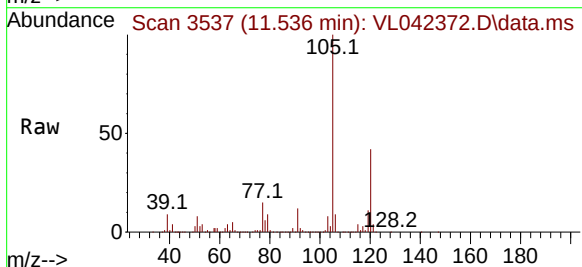
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

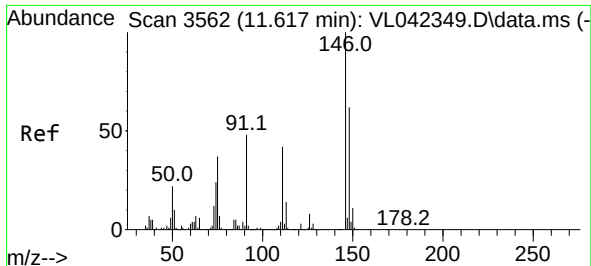
Tgt Ion:120 Resp: 27039
Ion Ratio Lower Upper
120 100
91 526.4 392.4 588.6



#65
tert-Butylbenzene
Concen: 0.900 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.004 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion:119 Resp: 53708
Ion Ratio Lower Upper
119 100
91 114.6 74.6 111.8#
134 0.0 18.8 28.2#

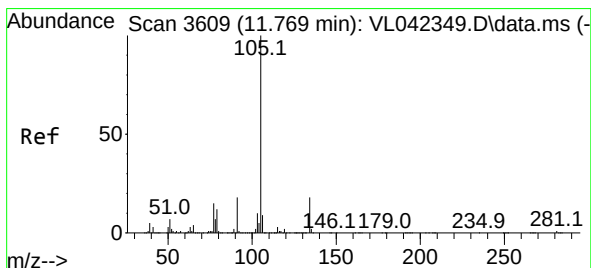
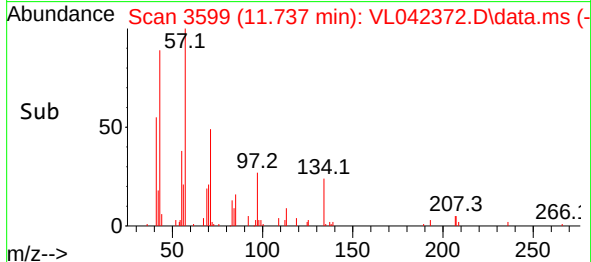
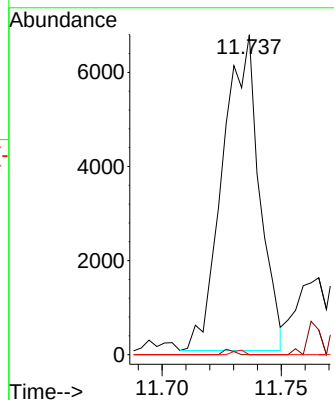
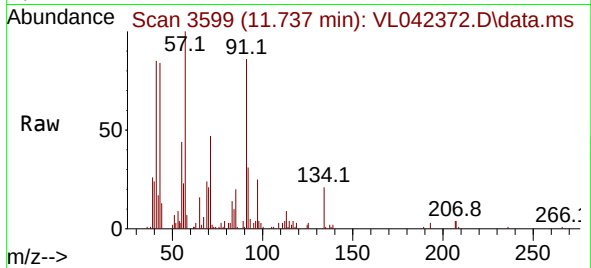




#66
Benzyl Chloride
Concen: 1.094 ppbv
RT: 11.737 min Scan# 3599
Delta R.T. 0.120 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

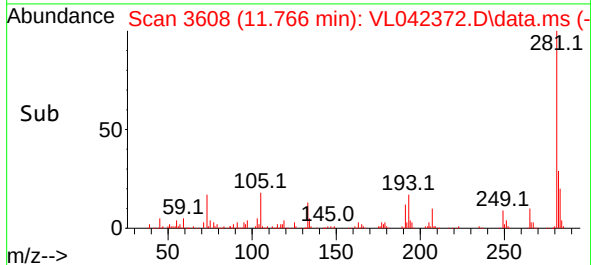
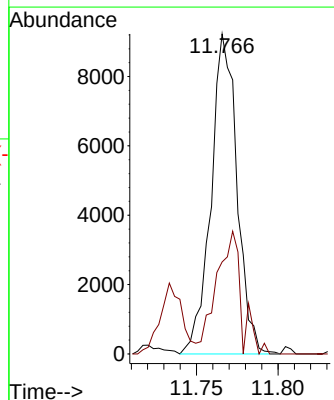
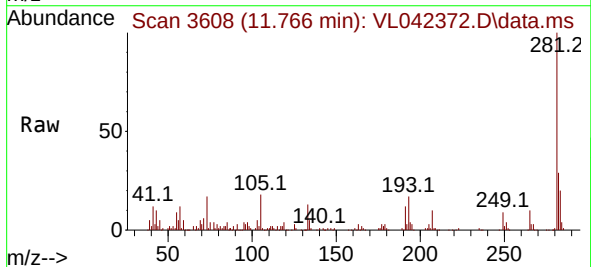
Instrument :
MSVOA_1
ClientSampleId :
IA-B2-4-03312025

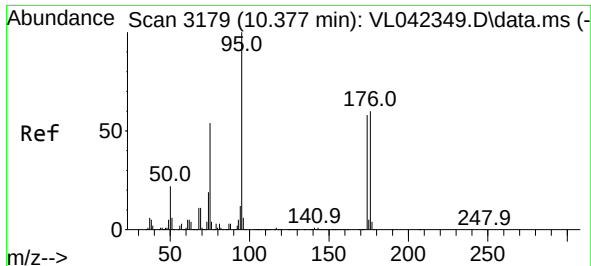
Tgt Ion: 91 Resp: 7178
Ion Ratio Lower Upper
91 100
126 1.8 11.8 17.6#
128 0.4 4.5 6.7#



#67
sec-Butylbenzene
Concen: 0.123 ppbv
RT: 11.766 min Scan# 3608
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 105 Resp: 10233
Ion Ratio Lower Upper
105 100
134 36.2 14.6 21.8#

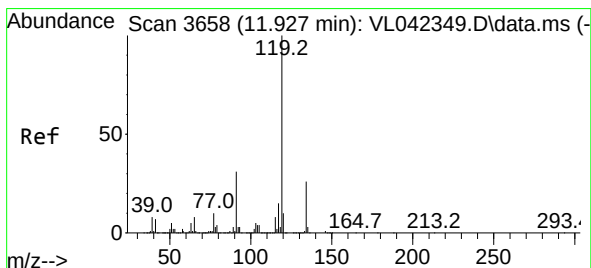
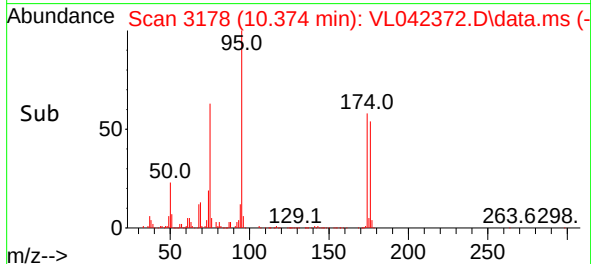
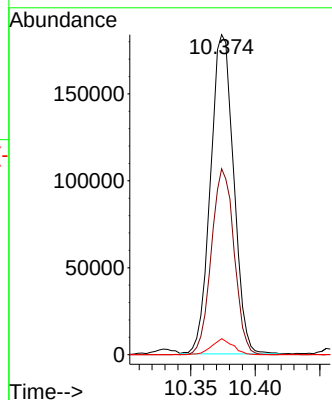
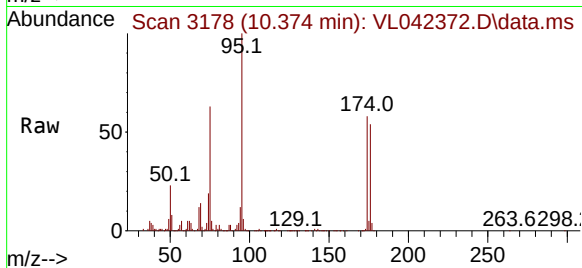




#68
1-Bromo-4-Fluorobenzene
Concen: 10.137 ppbv
RT: 10.374 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

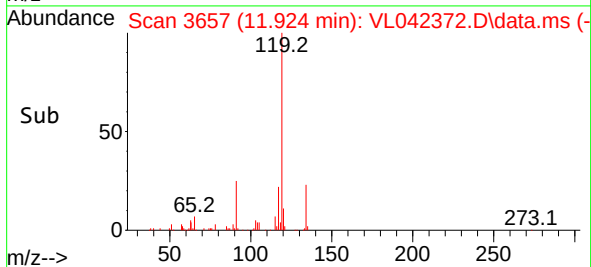
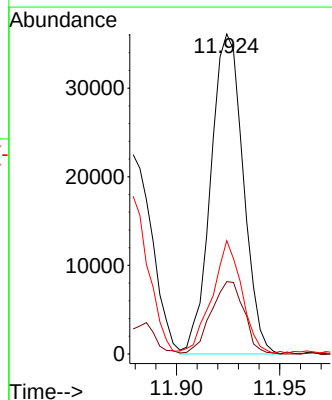
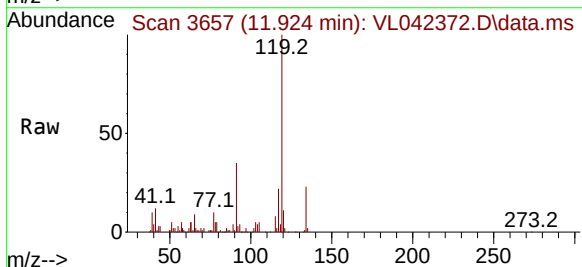
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

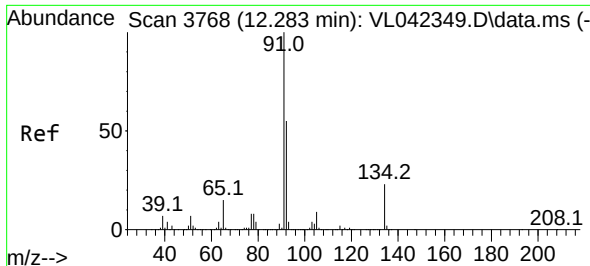
Tgt Ion: 95 Resp: 229240
Ion Ratio Lower Upper
95 100
174 57.0 48.5 72.7
175 4.6 3.7 5.5



#69
p-Isopropyltoluene
Concen: 0.547 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 119 Resp: 39473
Ion Ratio Lower Upper
119 100
134 23.0 20.0 30.0
91 33.9 24.4 36.6

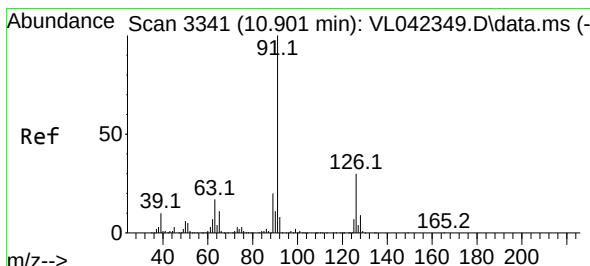
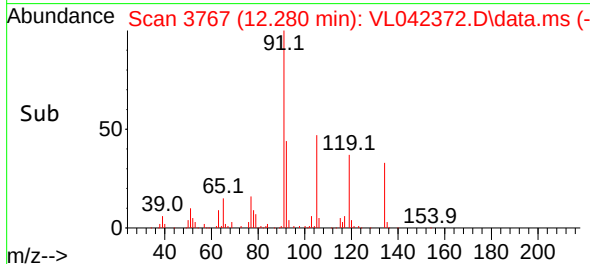
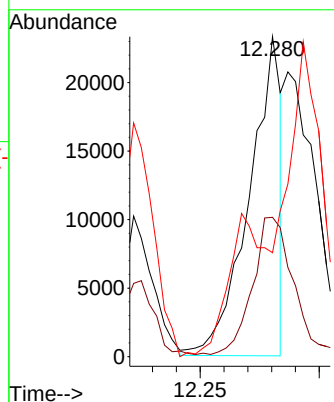
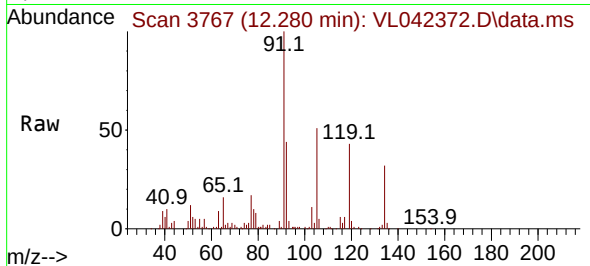




#70
n-Butylbenzene
Concen: 0.289 ppbv
RT: 12.280 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

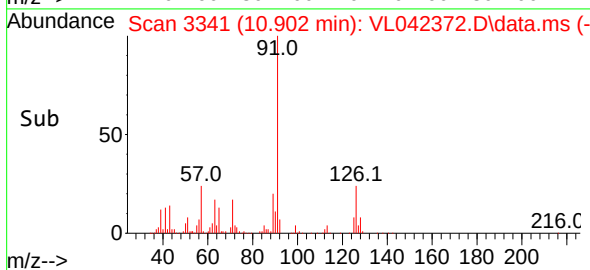
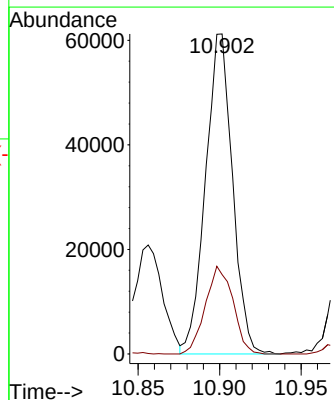
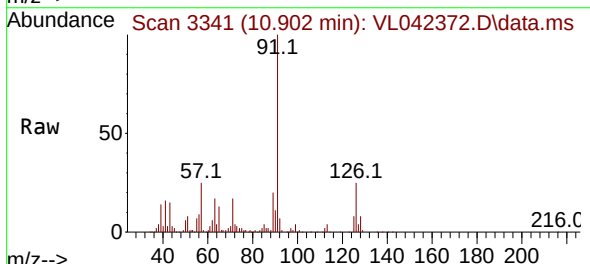
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

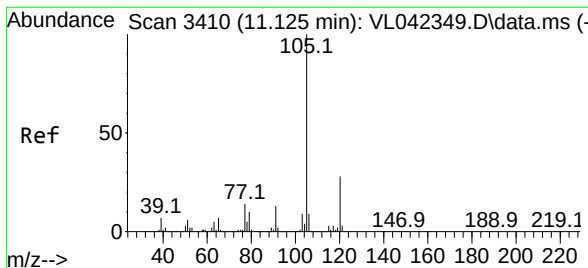
Tgt Ion: 91 Resp: 21674
Ion Ratio Lower Upper
91 100
92 57.1 44.2 66.4
134 0.0 18.2 27.4#



#71
2-Chlorotoluene
Concen: 1.381 ppbv
RT: 10.902 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion: 91 Resp: 70326
Ion Ratio Lower Upper
91 100
126 28.3 11.4 45.4

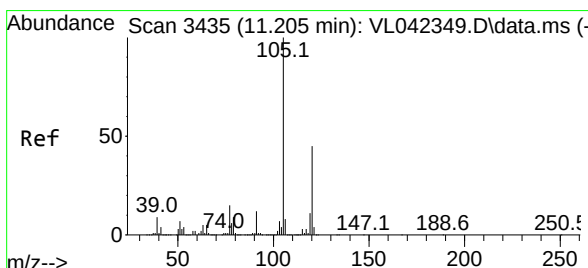
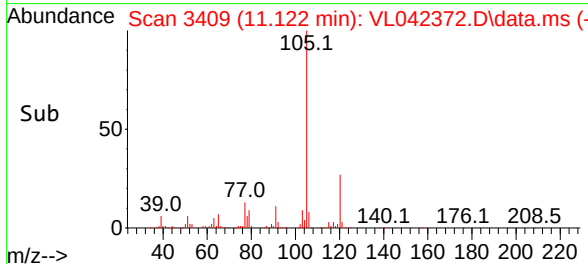
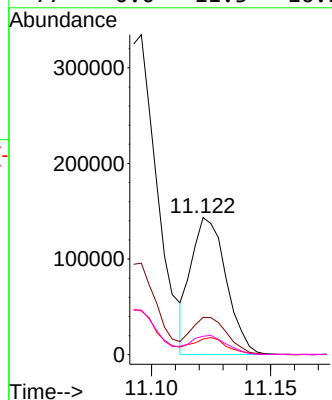
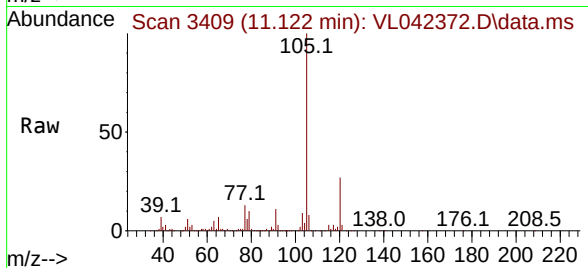




#72
4-Ethyltoluene
Concen: 2.714 ppbv
RT: 11.122 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

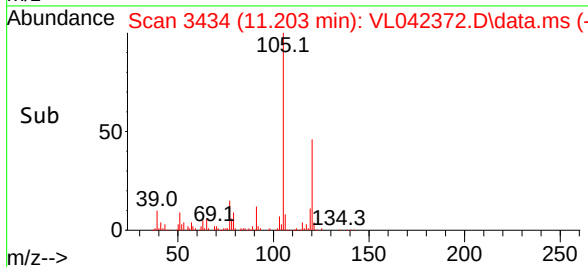
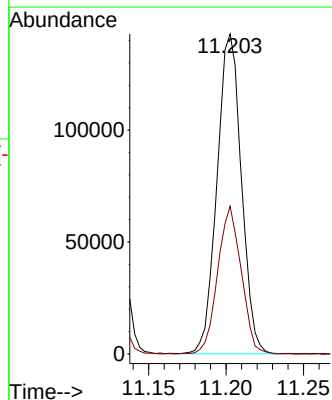
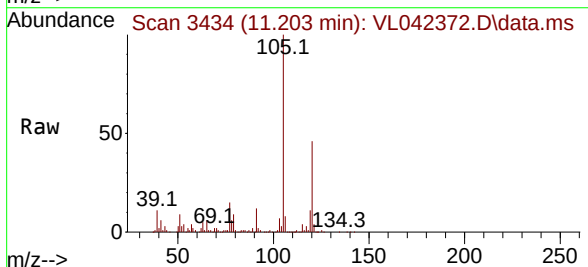
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025

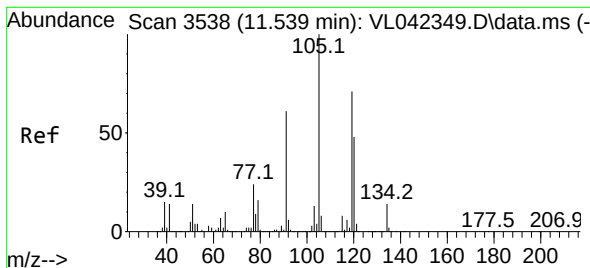
Tgt Ion:105 Resp: 146733
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 10.4 15.6#
77 0.0 11.3 16.9#



#73
1,3,5-Trimethylbenzene
Concen: 3.271 ppbv
RT: 11.203 min Scan# 3434
Delta R.T. -0.003 min
Lab File: VL042372.D
Acq: 17 Apr 2025 23:26

Tgt Ion:105 Resp: 156177
Ion Ratio Lower Upper
105 100
120 46.1 35.6 53.4





#74

1,2,4-Trimethylbenzene

Concen: 9.018 ppbv

RT: 11.536 min Scan# 3538

Delta R.T. -0.003 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-4-03312025

Tgt Ion:105 Resp: 502862

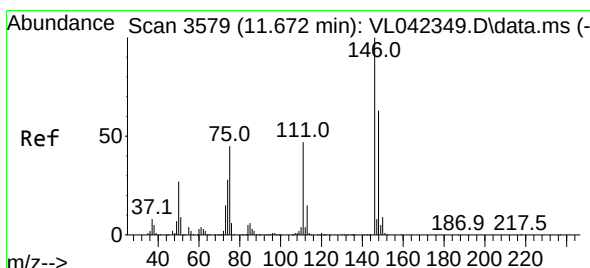
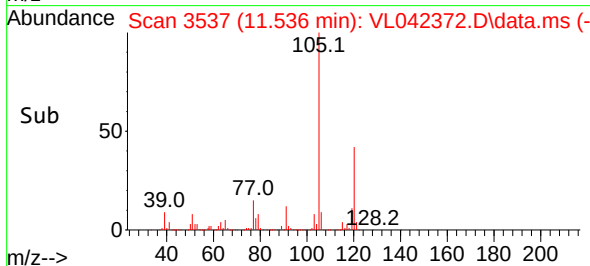
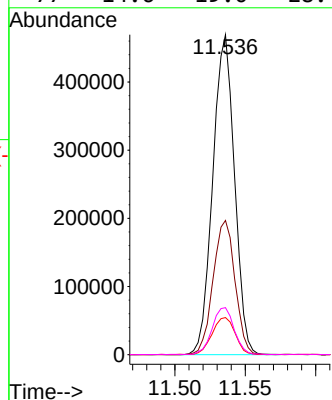
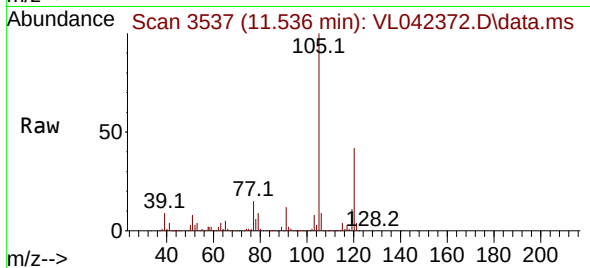
Ion Ratio Lower Upper

105 100

120 42.0 38.1 57.1

91 11.6 48.8 73.2#

77 14.6 19.0 28.4#



#76

1,4-Dichlorobenzene

Concen: 0.362 ppbv

RT: 11.669 min Scan# 3578

Delta R.T. -0.003 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

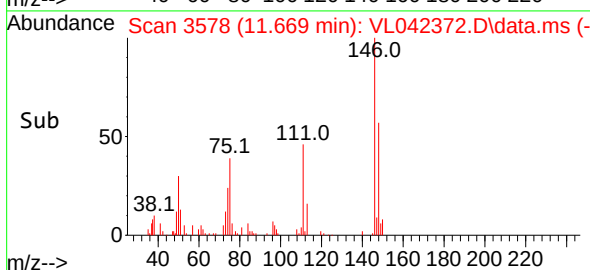
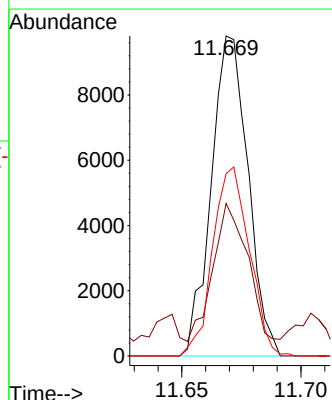
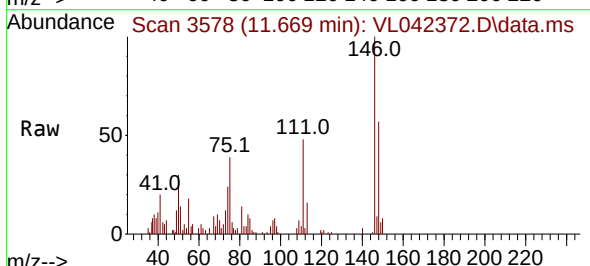
Tgt Ion:146 Resp: 10548

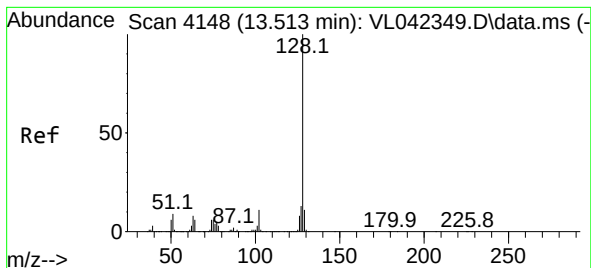
Ion Ratio Lower Upper

146 100

111 73.6 24.2 72.6#

148 58.9 32.1 96.5





#79

Naphthalene

Concen: 0.576 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

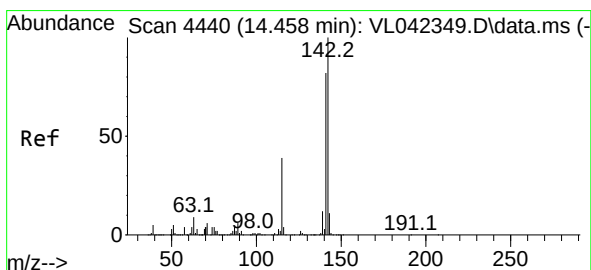
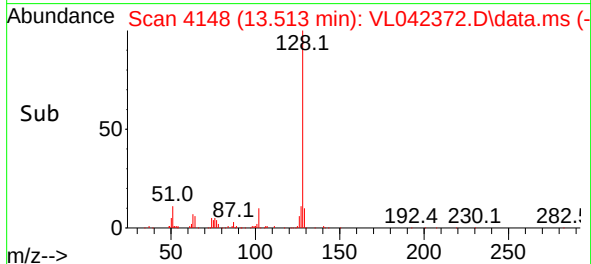
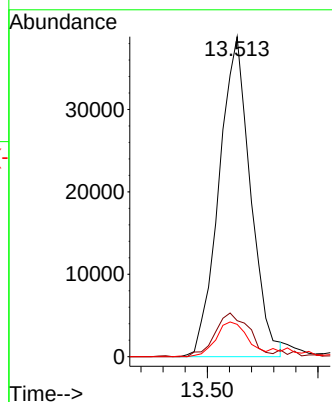
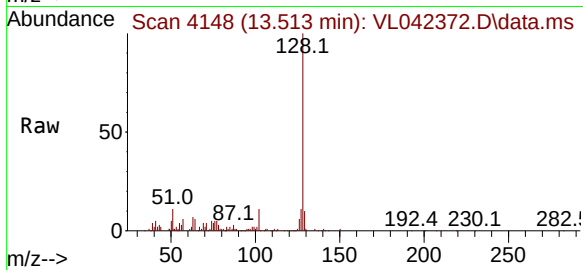
Instrument :

MSVOA_L

ClientSampleId :

IA-B2-4-03312025

Tgt Ion:	128	Resp:	38387
Ion Ratio	Lower	Upper	
128	100		
127	11.3	10.6	15.8
129	9.9	8.6	12.8



#80

Naphthalene, 2-methyl-

Concen: 0.209 ppbv

RT: 14.459 min Scan# 4440

Delta R.T. 0.000 min

Lab File: VL042372.D

Acq: 17 Apr 2025 23:26

Tgt Ion:	142	Resp:	7927
Ion Ratio	Lower	Upper	
142	100		
141	82.5	66.8	100.2
115	61.2	33.4	50.2

