

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042363.D
 Acq On : 17 Apr 2025 18:24
 Operator : SY/MD
 Sample : Q1668-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-3-3252025

Quant Time: Apr 18 02:40:18 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	117934	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	342044	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	304398	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	248134	9.920	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	9160	0.440	ppbv	95
3) Chlorodifluoromethane	1.476	51	9426	0.475	ppbv	93
4) Chloromethane	1.531	50	4904	0.595	ppbv #	87
6) Bromomethane	1.670	94	153	0.040	ppbv #	79
7) Chloroethane	1.680	64	102	0.031	ppbv #	1
8) Dichlorotetrafluoroethane	1.551	85	732	0.041	ppbv #	68
9) Propene	1.486	41	5102	0.565	ppbv	84
10) Heptane	4.981	43	38916	1.533	ppbv	97
11) Trichlorofluoromethane	1.874	101	4391	0.222	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.143	101	1232	0.076	ppbv	91
13) Ethanol	1.719	45	261942	182.383	ppbv	74
15) Acetone	1.835	43	99681	5.163	ppbv	92
16) 1,3-Butadiene	1.599	39	5406	0.585	ppbv #	36
17) tert-Butyl alcohol	2.046	59	3174	0.133	ppbv #	41
19) Isopropyl Alcohol	1.887	45	27920	2.603	ppbv #	36
20) Methylene Chloride	2.062	84	6217	0.822	ppbv	98
21) Allyl Chloride	2.078	41	1524	0.114	ppbv #	54
23) Vinyl Acetate	2.457	43	4881	0.625	ppbv #	65
25) Ethyl Acetate	2.826	43	32622	0.685	ppbv #	81
26) Hexane	2.826	57	45627	2.369	ppbv #	32
27) Carbon Disulfide	2.149	76	5126	0.249	ppbv #	1
30) Cyclohexane	3.852	84	16394	1.053	ppbv #	1
34) 2-Butanone	2.557	43	20715	0.766	ppbv	98
35) Carbon Tetrachloride	3.761	117	1016	0.033	ppbv #	47
36) Benzene	3.654	78	20999	0.569	ppbv #	93
39) 1,2-Dichloropropane	3.955	63	93853	6.827	ppbv #	23
41) Tetrahydrofuran	3.075	42	1322	0.084	ppbv #	49
44) 2,2,4-Trimethylpentane	4.638	57	5226	0.082	ppbv #	42
50) 4-Methyl-2-Pentanone	5.748	43	689390	15.336	ppbv	98
53) Toluene	6.936	91	63791	1.441	ppbv	100
58) Ethyl Benzene	9.351	91	69152	1.147	ppbv	94
59) m/p-Xylene	9.529	91	373837	7.695	ppbv	99
60) o-Xylene	9.966	91	127919	2.615	ppbv	99
61) Styrene	9.869	104	18463	0.791	ppbv	98
62) Isopropylbenzene	10.539	105	11682	0.163	ppbv	98
64) n-propylbenzene	10.992	120	5104	0.283	ppbv #	1
65) tert-Butylbenzene	11.536	119	35413	0.536	ppbv #	76
66) Benzyl Chloride	11.536	91	37225	5.131	ppbv #	70
67) sec-Butylbenzene	11.769	105	8682	0.095	ppbv	92
69) p-Isopropyltoluene	11.924	119	9270	0.116	ppbv	97
70) n-Butylbenzene	12.283	91	24716	0.297	ppbv #	80
72) 4-Ethyltoluene	11.124	105	83127	1.390	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.202	105	91013	1.724	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042363.D
Acq On : 17 Apr 2025 18:24
Operator : SY/MD
Sample : Q1668-03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

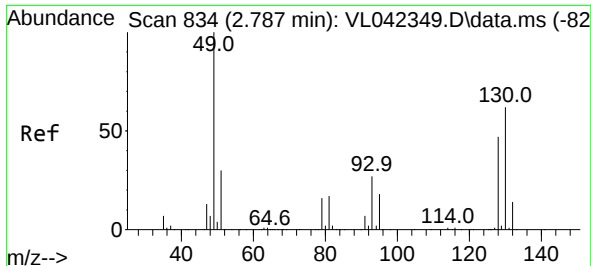
Quant Time: Apr 18 02:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	11.536	105	321031	5.205	ppbv	# 64
79) Naphthalene	13.513	128	34268	0.465	ppbv	97
80) Naphthalene,2-methyl-	14.588	142	8582	0.204	ppbv	97

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

Quant Time: Apr 18 02:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
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

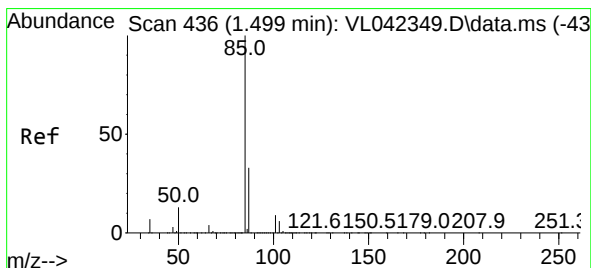
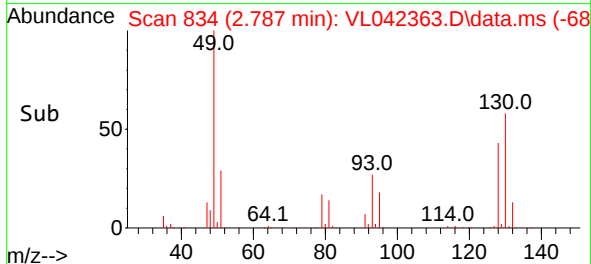
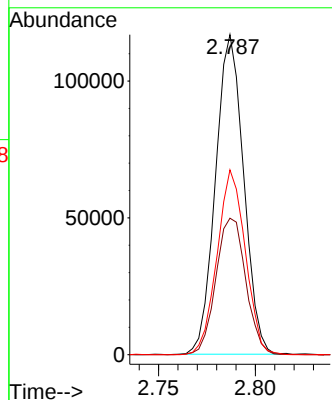
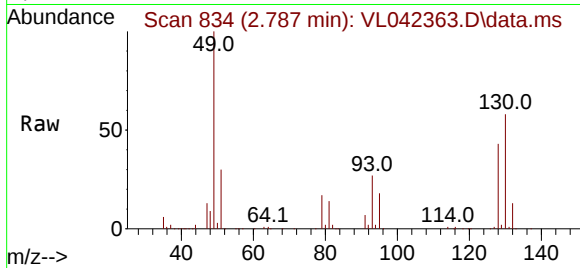




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

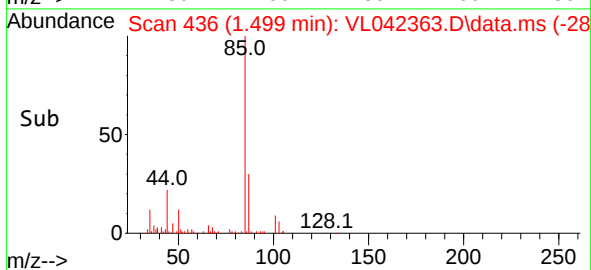
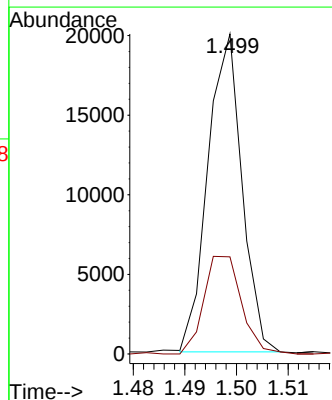
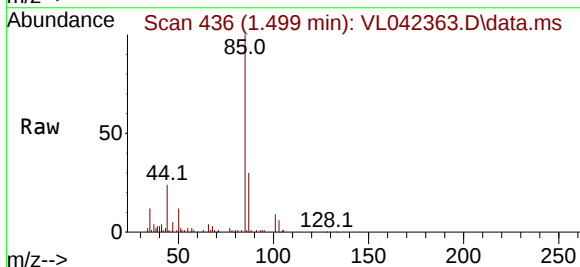
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

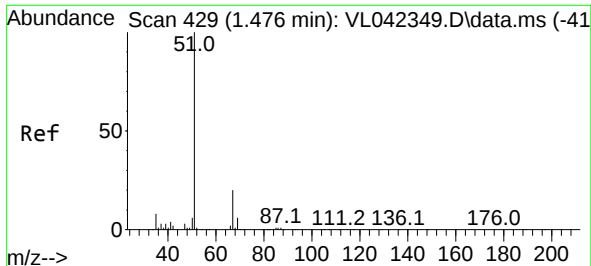
Tgt Ion: 49 Resp: 117934
Ion Ratio Lower Upper
49 100
128 45.4 22.8 68.4
130 58.0 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.440 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 85 Resp: 9160
Ion Ratio Lower Upper
85 100
87 30.5 26.6 39.8

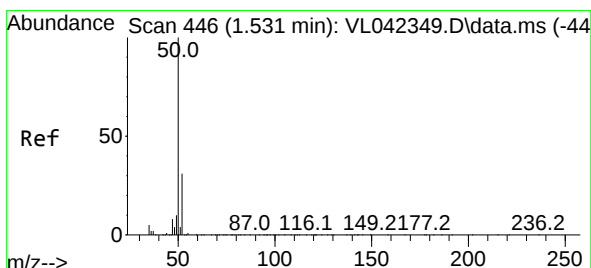
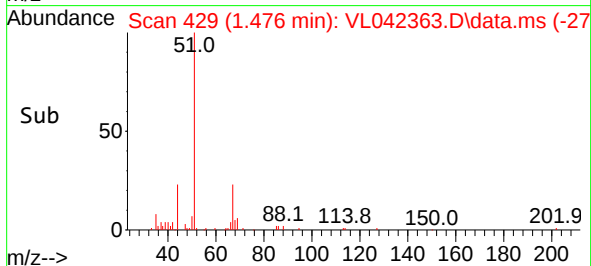
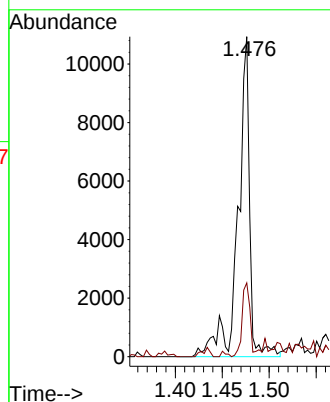
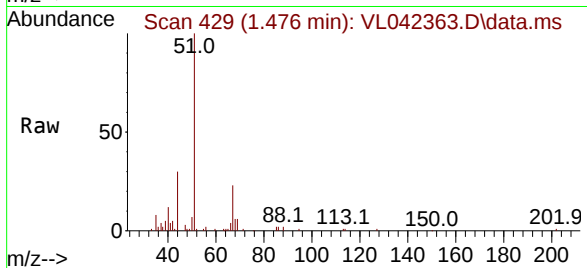




#3
Chlorodifluoromethane
Concen: 0.475 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

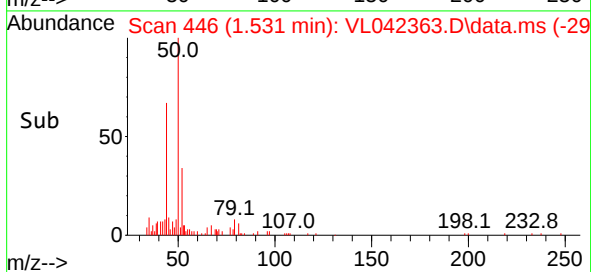
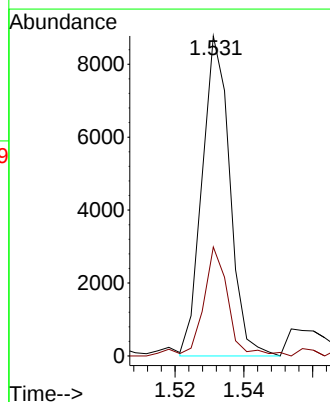
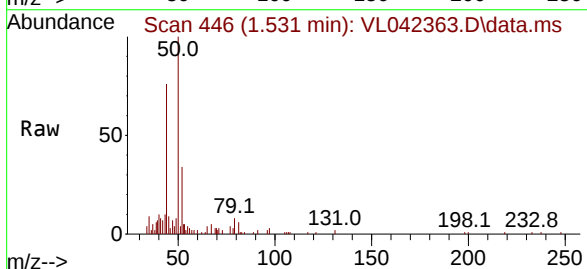
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

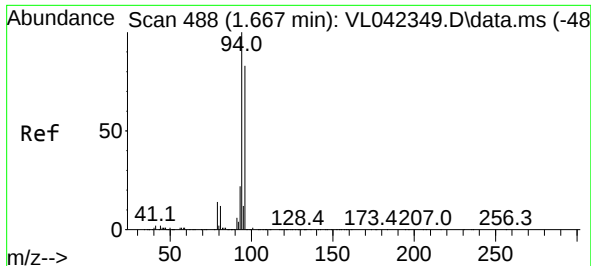
Tgt Ion: 51 Resp: 9426
Ion Ratio Lower Upper
51 100
67 17.2 16.2 24.4



#4
Chloromethane
Concen: 0.595 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 50 Resp: 4904
Ion Ratio Lower Upper
50 100
52 37.8 24.7 37.1#

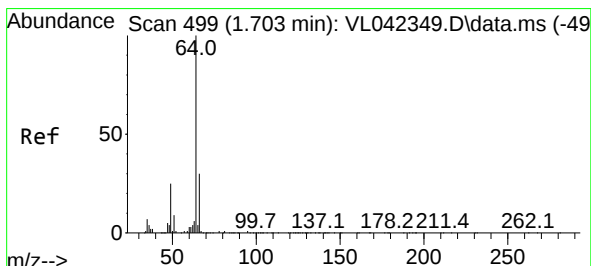
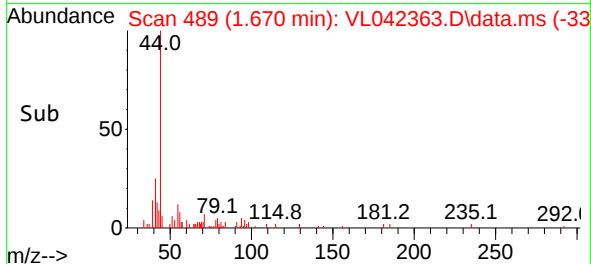
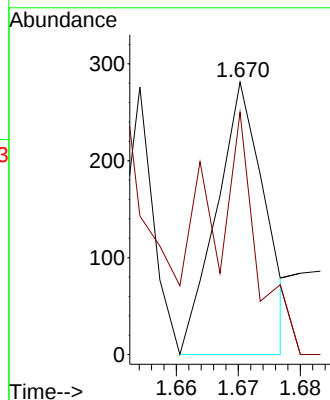
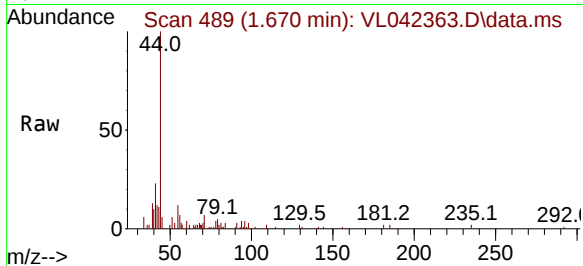




#6
Bromomethane
Concen: 0.040 ppbv
RT: 1.670 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

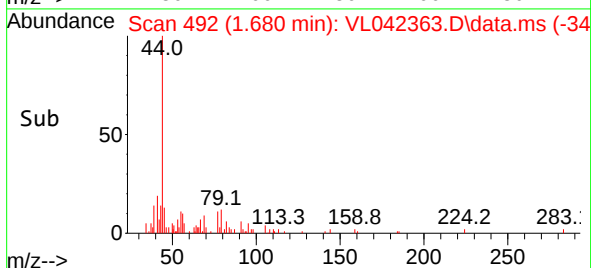
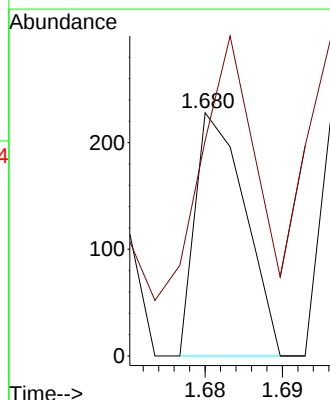
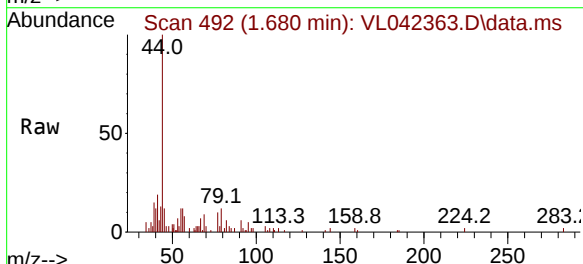
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

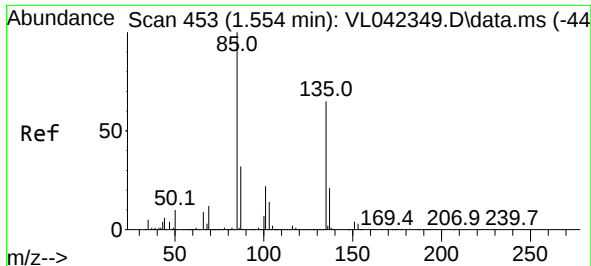
Tgt Ion: 94 Resp: 153
Ion Ratio Lower Upper
94 100
96 63.7 66.2 99.2#



#7
Chloroethane
Concen: 0.031 ppbv
RT: 1.680 min Scan# 492
Delta R.T. -0.023 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 64 Resp: 102
Ion Ratio Lower Upper
64 100
66 279.4 24.6 37.0#

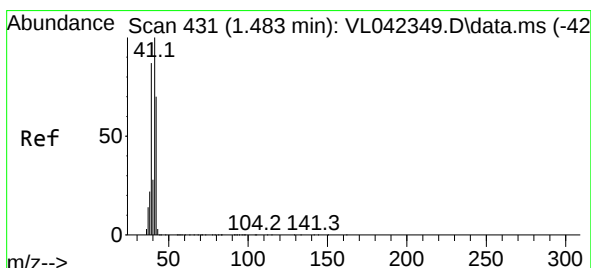
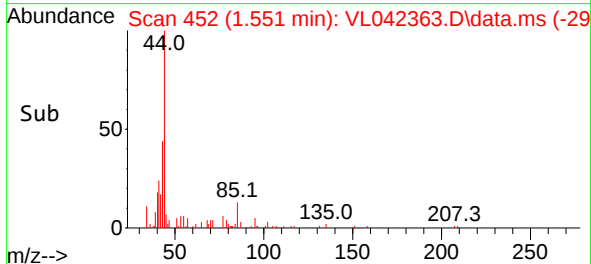
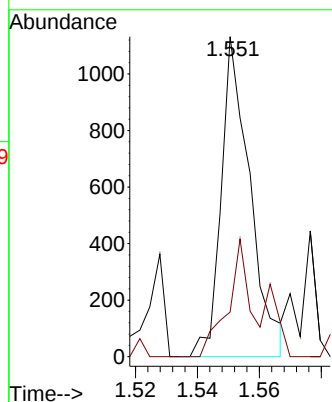
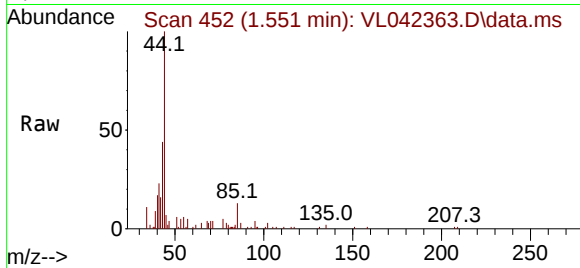




#8
 Dichlorotetrafluoroethane
 Concen: 0.041 ppbv
 RT: 1.551 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042363.D
 Acq: 17 Apr 2025 18:24

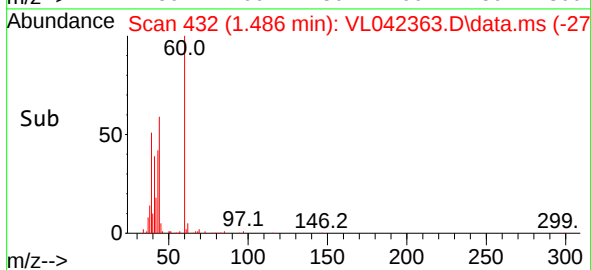
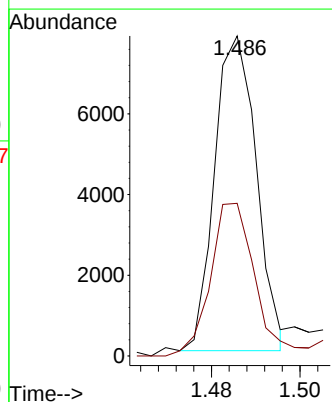
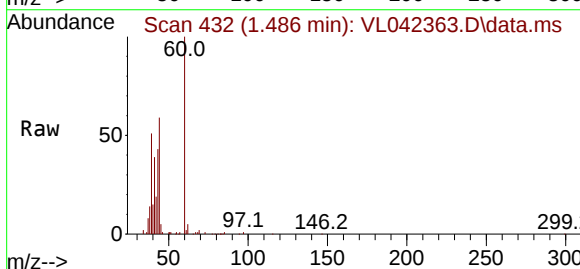
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-3-3252025

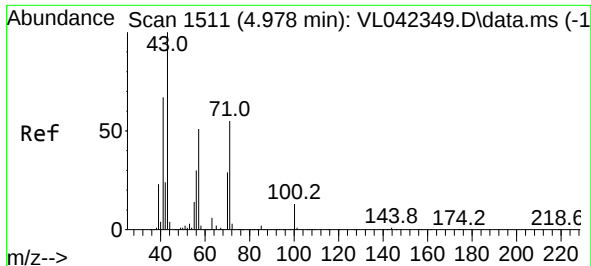
Tgt Ion: 85 Resp: 732
 Ion Ratio Lower Upper
 85 100
 135 39.9 52.2 78.2#



#9
 Propene
 Concen: 0.565 ppbv
 RT: 1.486 min Scan# 432
 Delta R.T. 0.003 min
 Lab File: VL042363.D
 Acq: 17 Apr 2025 18:24

Tgt Ion: 41 Resp: 5102
 Ion Ratio Lower Upper
 41 100
 42 57.3 56.2 84.4

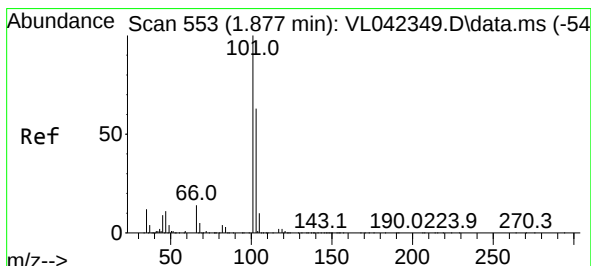
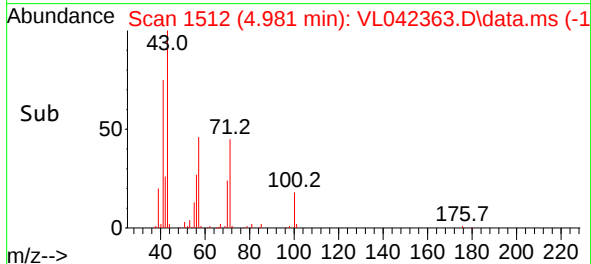
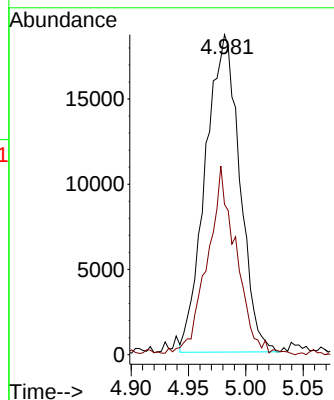
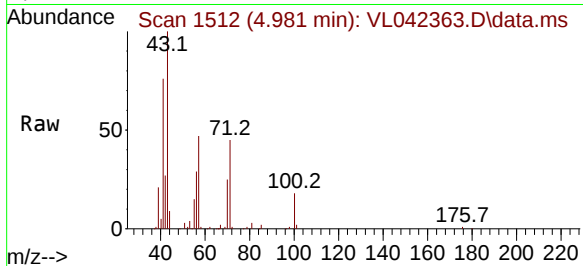




#10
 Heptane
 Concen: 1.533 ppbv
 RT: 4.981 min Scan# 1511
 Delta R.T. 0.003 min
 Lab File: VL042363.D
 Acq: 17 Apr 2025 18:24

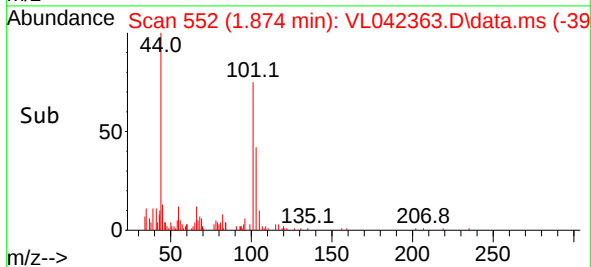
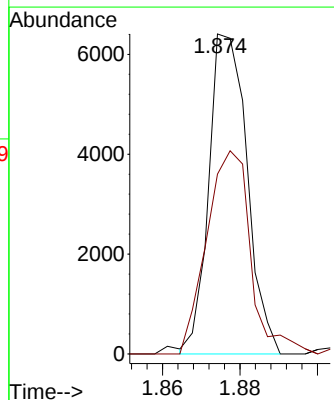
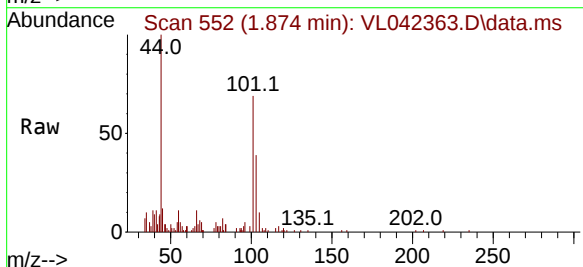
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-3-3252025

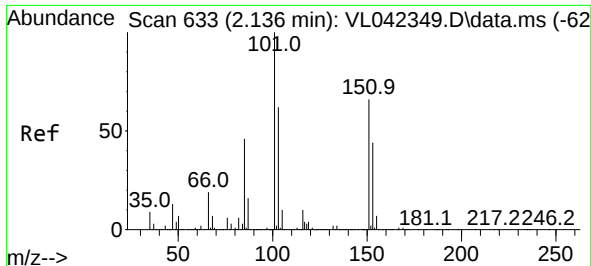
Tgt Ion: 43 Resp: 38916
 Ion Ratio Lower Upper
 43 100
 57 51.7 39.9 59.9



#11
 Trichlorofluoromethane
 Concen: 0.222 ppbv
 RT: 1.874 min Scan# 552
 Delta R.T. -0.003 min
 Lab File: VL042363.D
 Acq: 17 Apr 2025 18:24

Tgt Ion: 101 Resp: 4391
 Ion Ratio Lower Upper
 101 100
 103 56.2 50.1 75.1

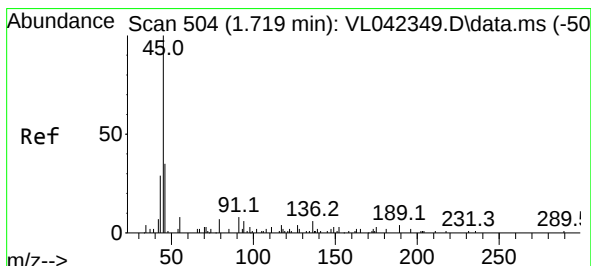
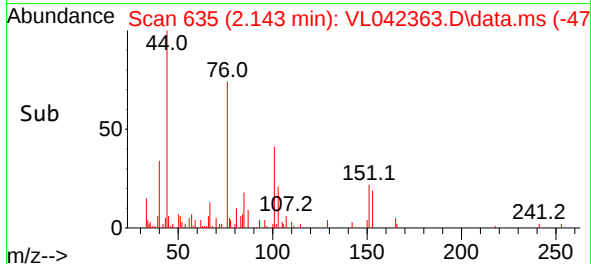
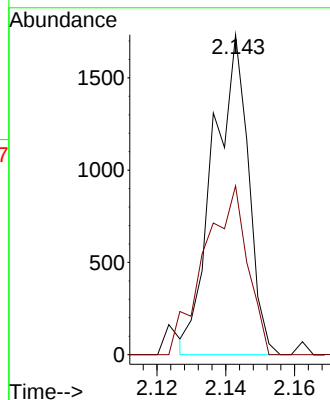
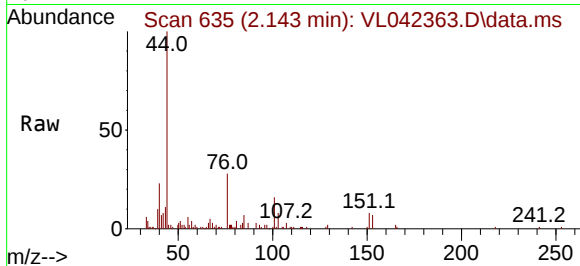




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.076 ppbv
RT: 2.143 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

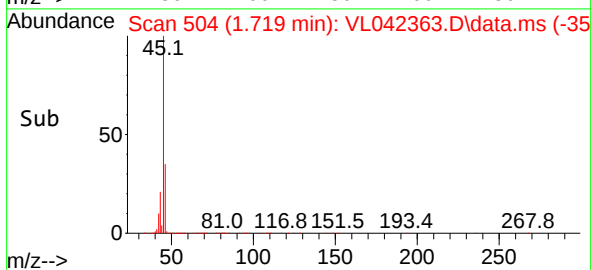
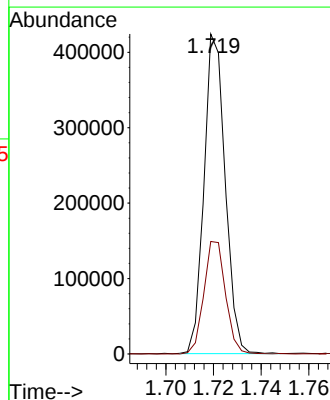
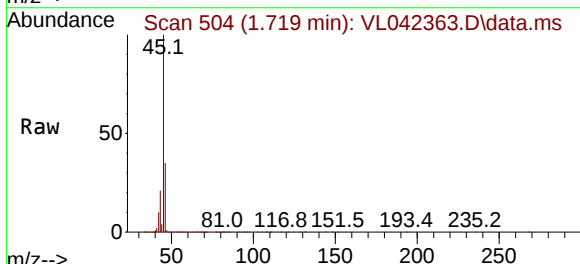
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

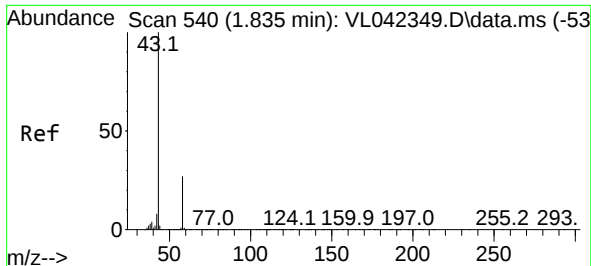
Tgt Ion:101 Resp: 1232
Ion Ratio Lower Upper
101 100
151 64.2 57.0 85.6



#13
Ethanol
Concen: 182.383 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 45 Resp: 261942
Ion Ratio Lower Upper
45 100
46 36.2 21.9 87.7

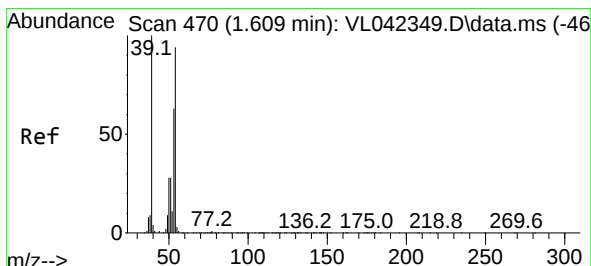
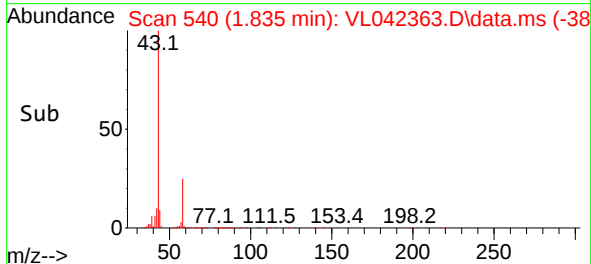
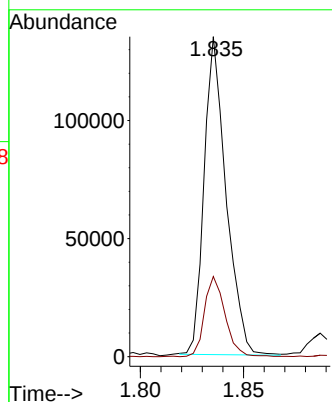
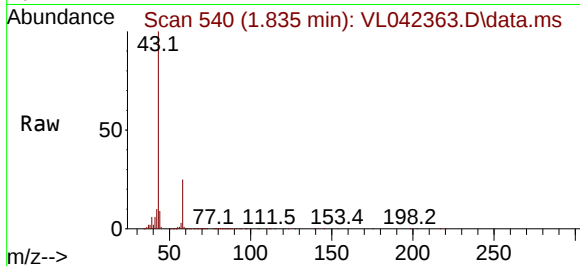




#15
Acetone
Concen: 5.163 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

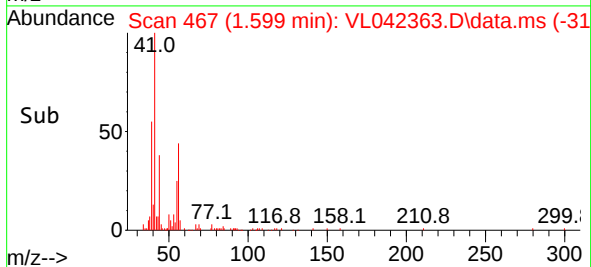
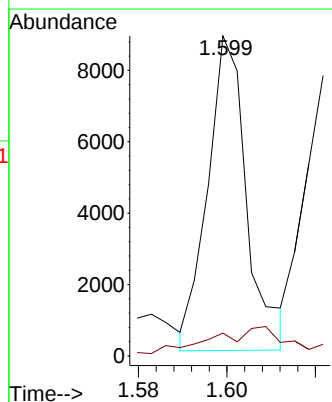
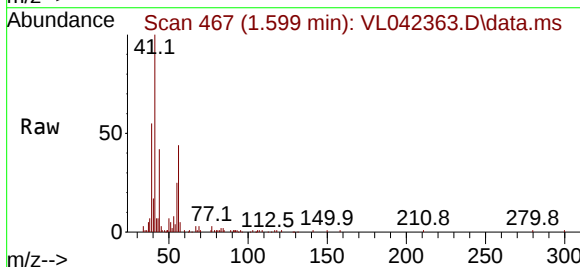
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

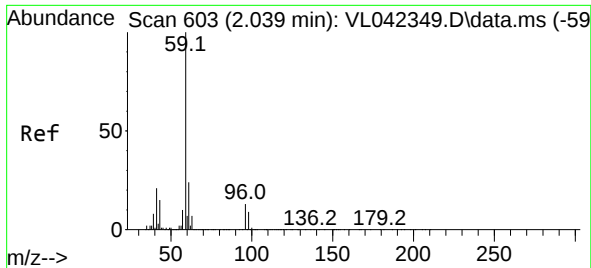
Tgt Ion: 43 Resp: 99681
Ion Ratio Lower Upper
43 100
58 23.6 22.4 33.6



#16
1,3-Butadiene
Concen: 0.585 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.010 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 39 Resp: 5406
Ion Ratio Lower Upper
39 100
54 24.3 64.9 97.3#

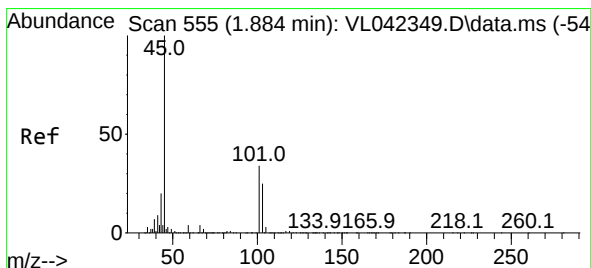
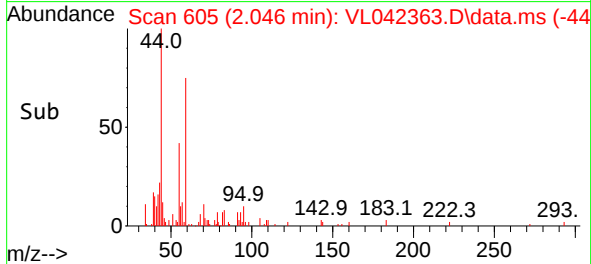
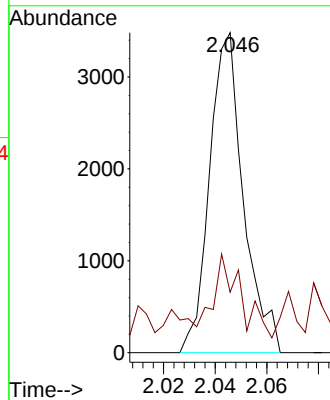
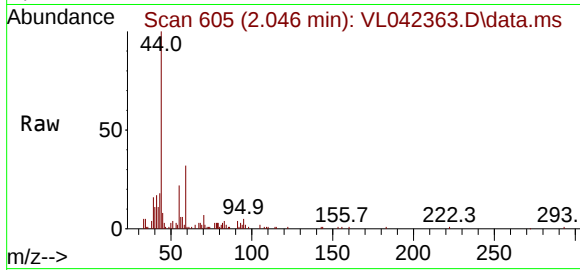




#17
tert-Butyl alcohol
Concen: 0.133 ppbv
RT: 2.046 min Scan# 603
Delta R.T. 0.006 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

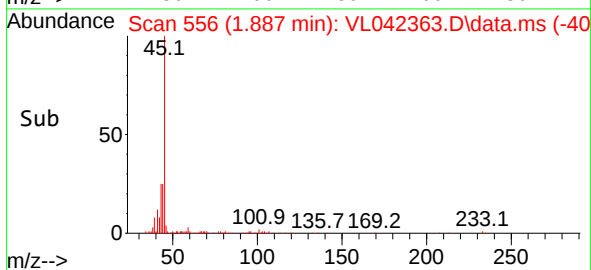
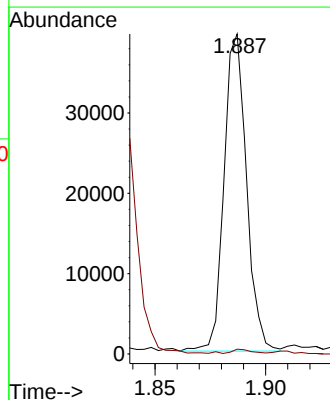
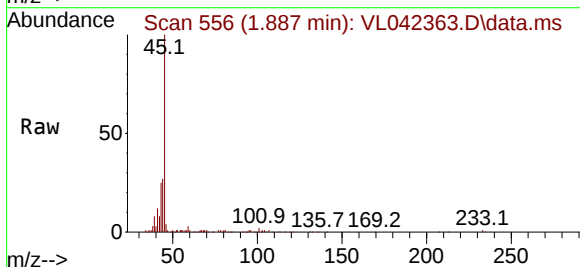
Instrument :
MSVOA_1
ClientSampleId :
IA-B1-3-3252025

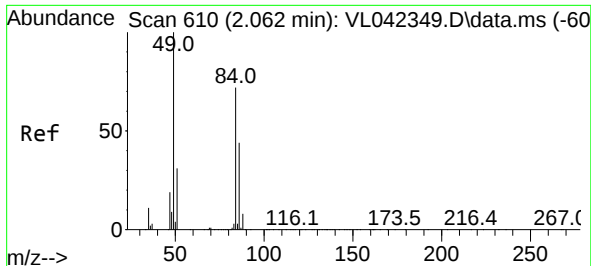
Tgt Ion: 59 Resp: 3174
Ion Ratio Lower Upper
59 100
57 33.4 8.7 13.1#



#19
Isopropyl Alcohol
Concen: 2.603 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 45 Resp: 27920
Ion Ratio Lower Upper
45 100
58 84.1 34.5 51.7#





#20

Methylene Chloride

Concen: 0.822 ppbv

RT: 2.062 min Scan# 610

Delta R.T. -0.000 min

Lab File: VL042363.D

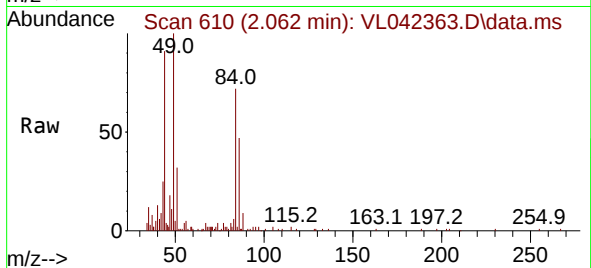
Acq: 17 Apr 2025 18:24

Instrument :

MSVOA_L

ClientSampleId :

IA-B1-3-3252025



Tgt Ion: 84 Resp: 6217

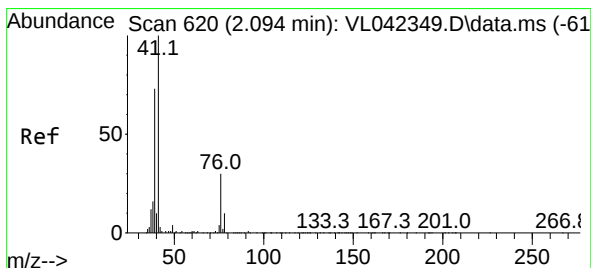
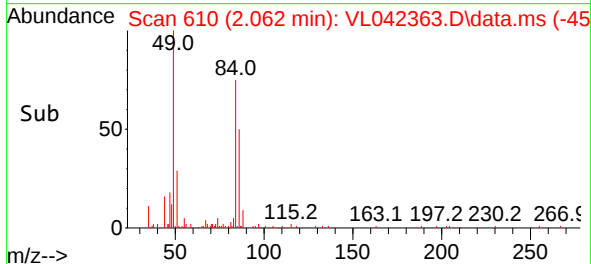
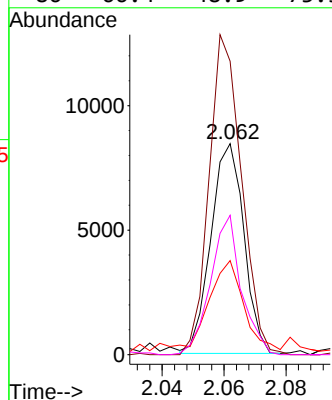
Ion Ratio Lower Upper

84 100

49 139.8 111.6 167.4

51 42.4 35.1 52.7

86 66.4 48.9 73.3



#21

Allyl Chloride

Concen: 0.114 ppbv

RT: 2.078 min Scan# 615

Delta R.T. -0.016 min

Lab File: VL042363.D

Acq: 17 Apr 2025 18:24

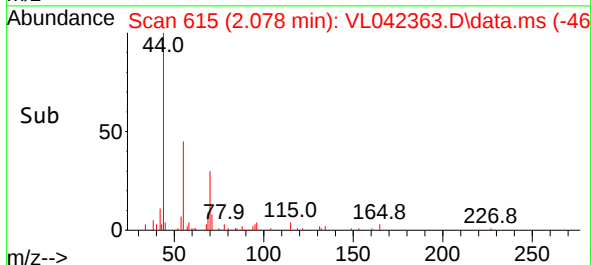
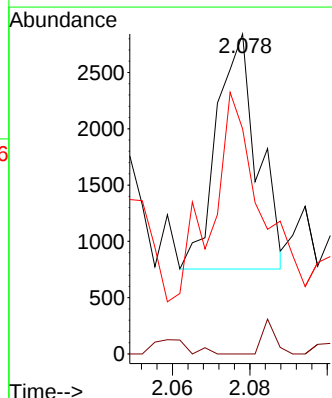
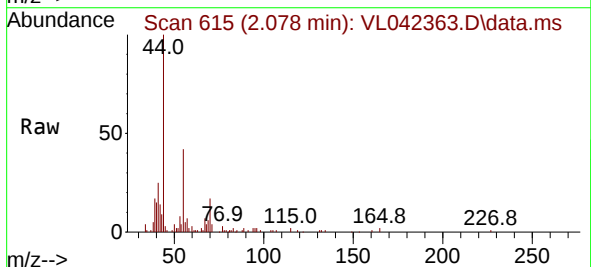
Tgt Ion: 41 Resp: 1524

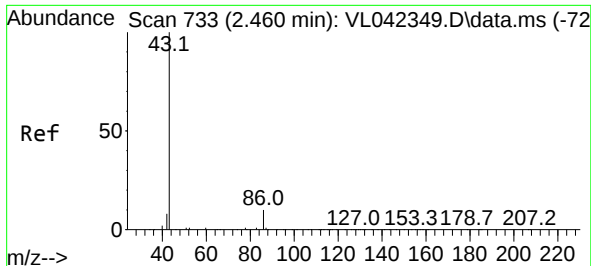
Ion Ratio Lower Upper

41 100

76 0.0 24.8 37.2#

39 111.5 60.6 90.8#



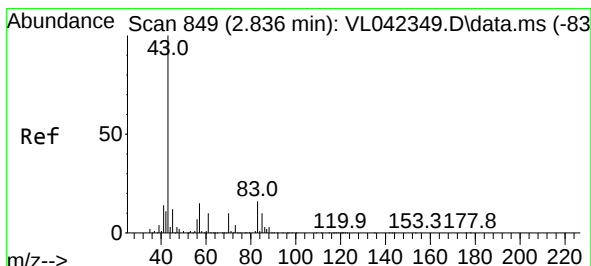
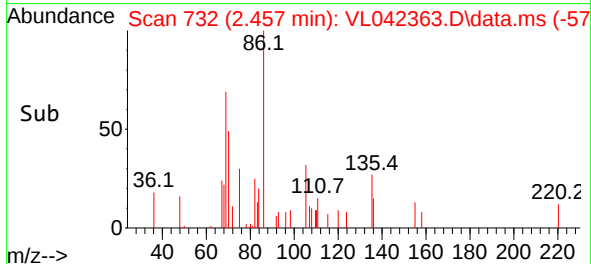
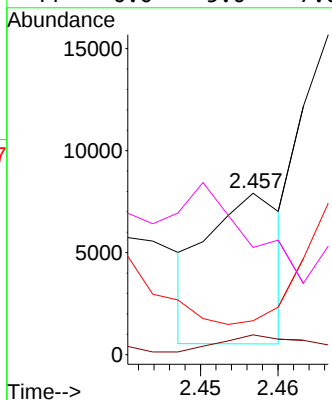
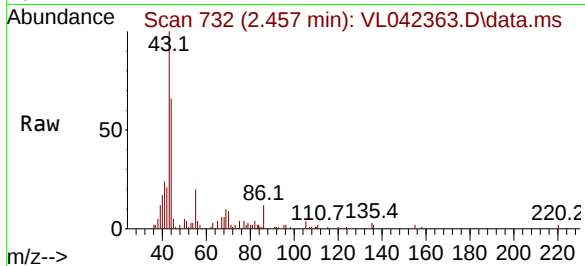


#23
 Vinyl Acetate
 Concen: 0.625 ppbv
 RT: 2.457 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL042363.D
 Acq: 17 Apr 2025 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-3-3252025

Tgt Ion: 43 Resp: 4881

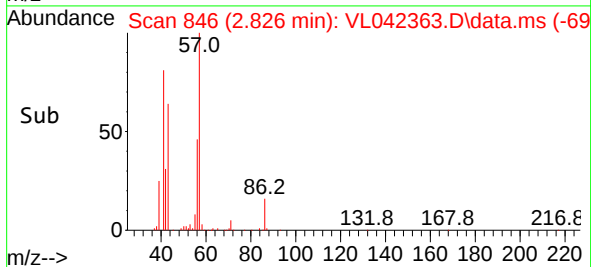
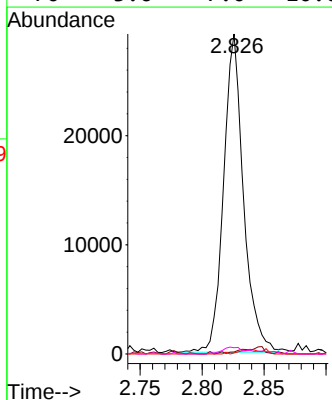
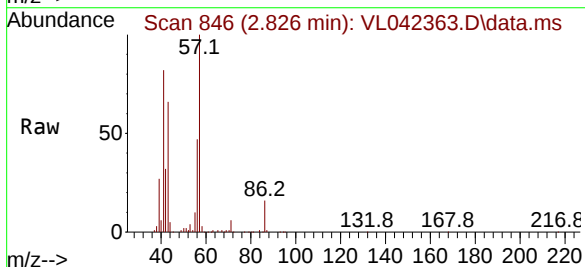
Ion	Ratio	Lower	Upper
43	100		
86	28.9	6.5	9.7#
42	0.0	7.8	11.8#
44	0.0	5.0	7.6#

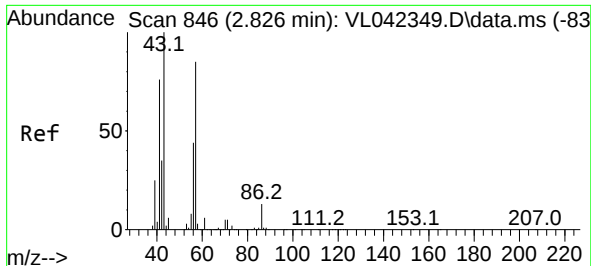


#25
 Ethyl Acetate
 Concen: 0.685 ppbv
 RT: 2.826 min Scan# 846
 Delta R.T. -0.010 min
 Lab File: VL042363.D
 Acq: 17 Apr 2025 18:24

Tgt Ion: 43 Resp: 32622

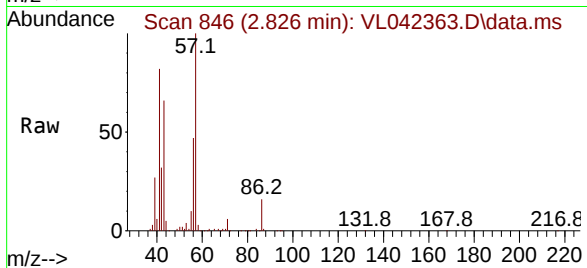
Ion	Ratio	Lower	Upper
43	100		
45	2.8	8.3	12.5#
61	1.7	7.3	10.9#
70	3.6	7.0	10.6#





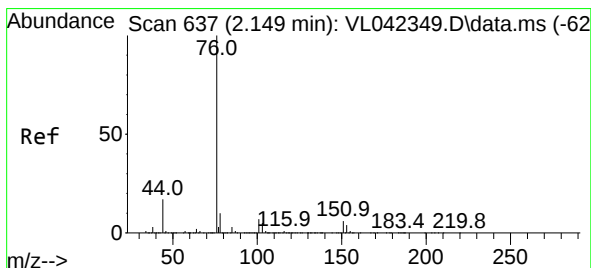
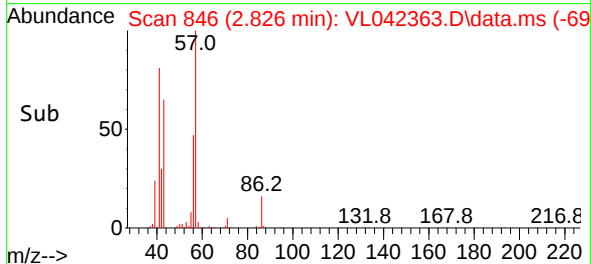
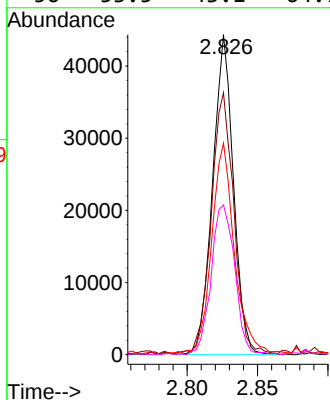
#26
Hexane
Concen: 2.369 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025



Tgt Ion: 57 Resp: 45627

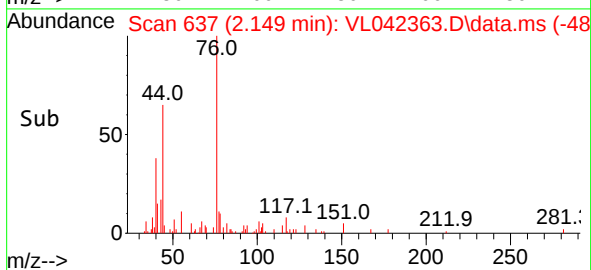
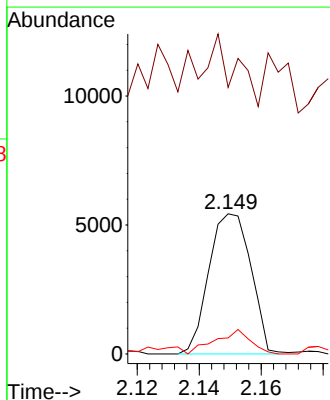
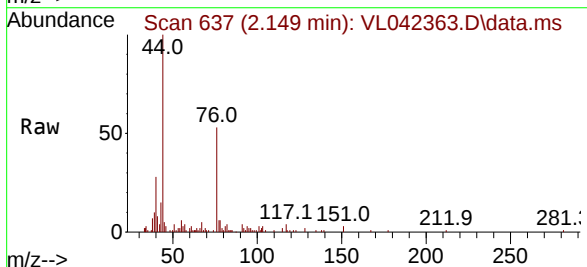
Ion	Ratio	Lower	Upper
57	100		
41	87.3	77.9	116.9
43	74.0	208.4	312.6#
56	53.5	43.1	64.7

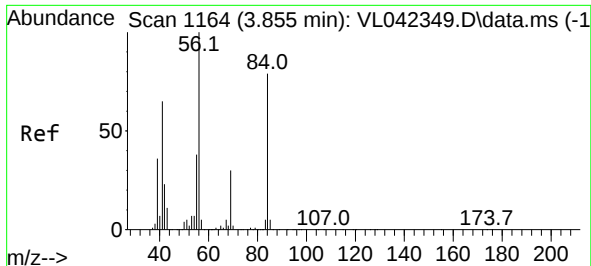


#27
Carbon Disulfide
Concen: 0.249 ppbv
RT: 2.149 min Scan# 637
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 76 Resp: 5126

Ion	Ratio	Lower	Upper
76	100		
44	690.9	15.5	23.3#
78	20.0	9.3	13.9#

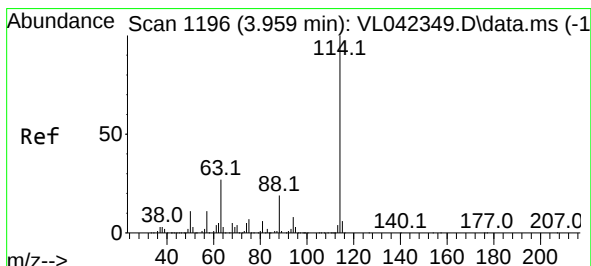
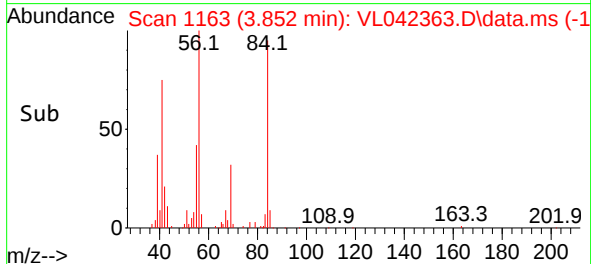
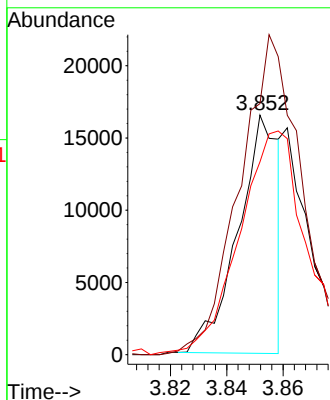
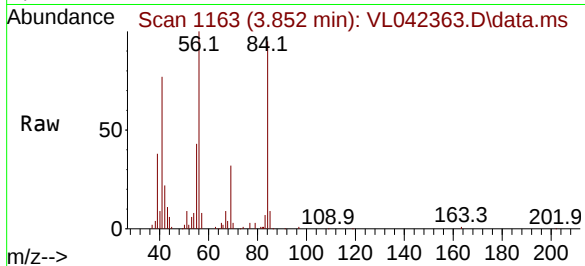




#30
Cyclohexane
Concen: 1.053 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

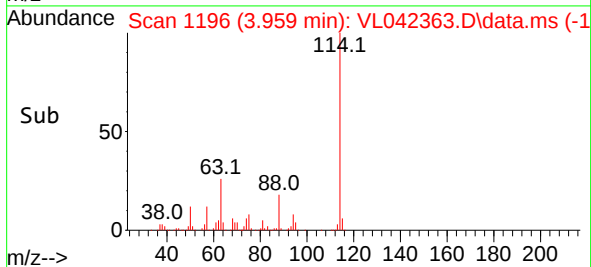
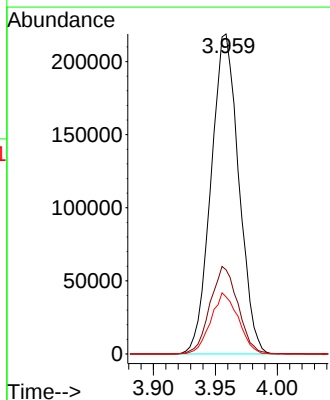
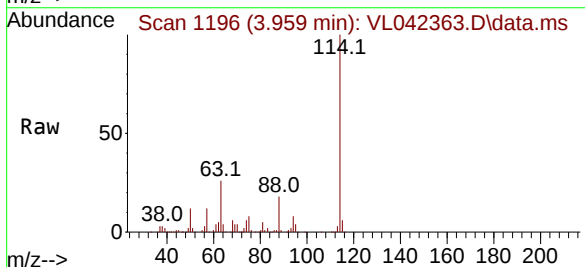
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

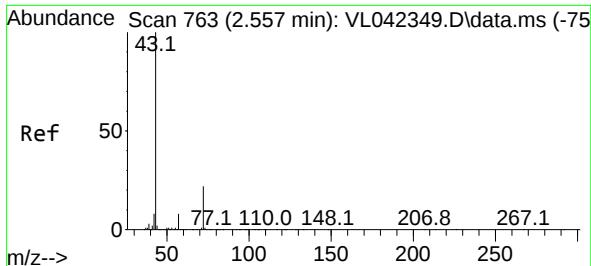
Tgt Ion: 84 Resp: 16394
Ion Ratio Lower Upper
84 100
56 0.0 101.0 151.4#
41 0.0 67.4 101.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 114 Resp: 342044
Ion Ratio Lower Upper
114 100
63 27.4 21.8 32.6
88 18.9 15.5 23.3

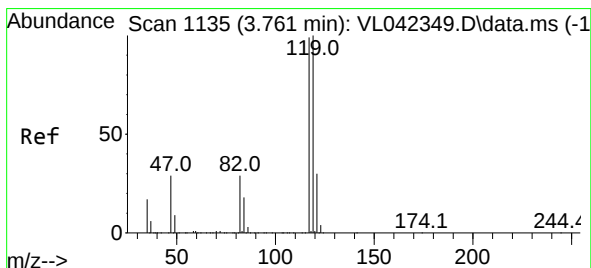
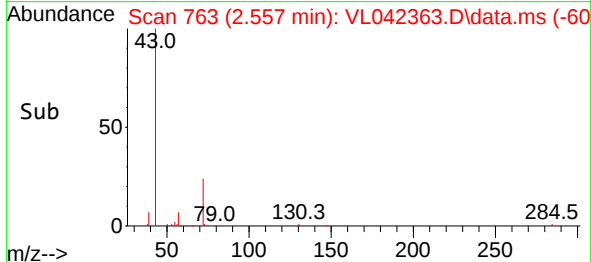
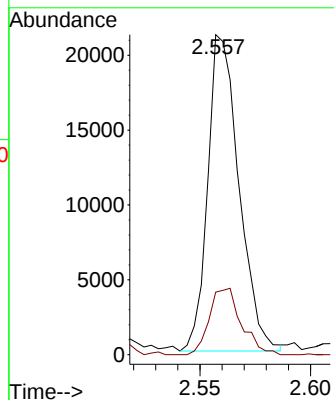
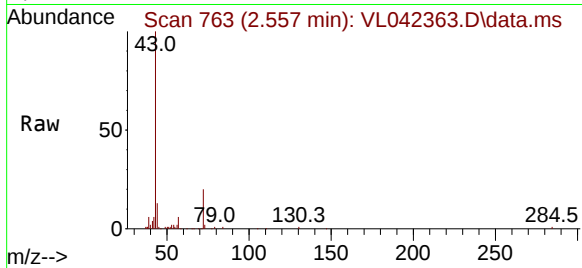




#34
2-Butanone
Concen: 0.766 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

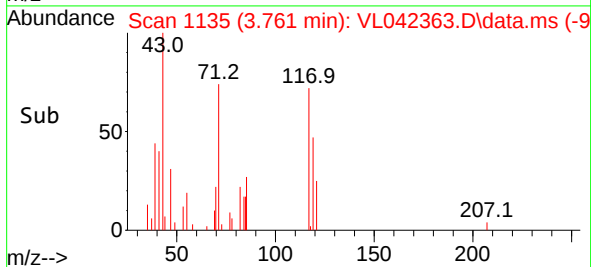
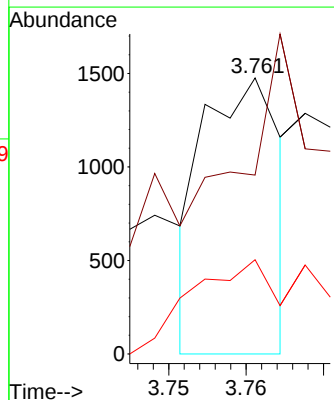
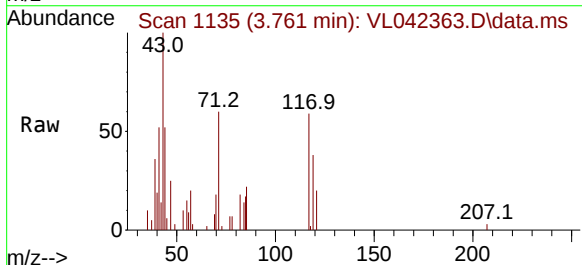
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

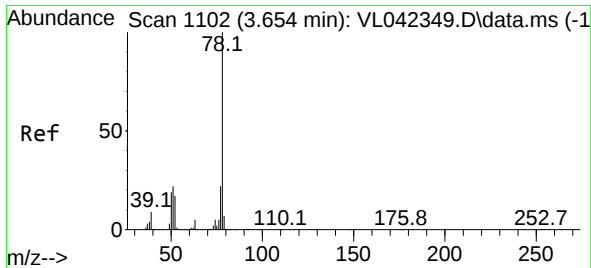
Tgt Ion: 43 Resp: 20715
Ion Ratio Lower Upper
43 100
72 21.5 18.2 27.2



#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 117 Resp: 1016
Ion Ratio Lower Upper
117 100
119 32.3 80.5 120.7#
121 29.1 24.2 36.2





#36

Benzene

Concen: 0.569 ppbv

RT: 3.654 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VL042363.D

Acq: 17 Apr 2025 18:24

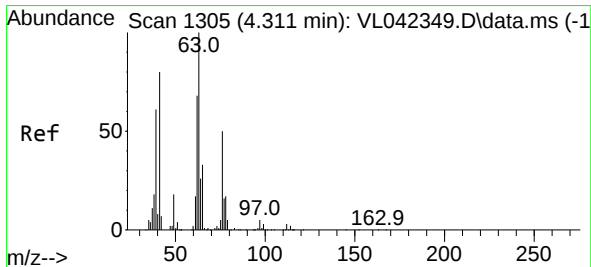
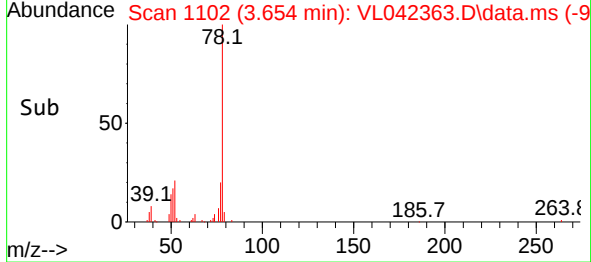
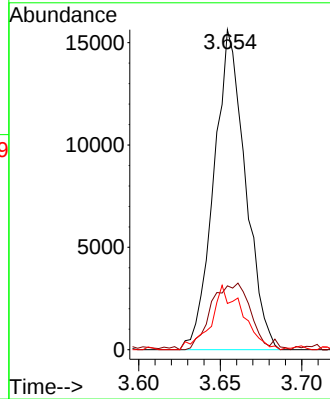
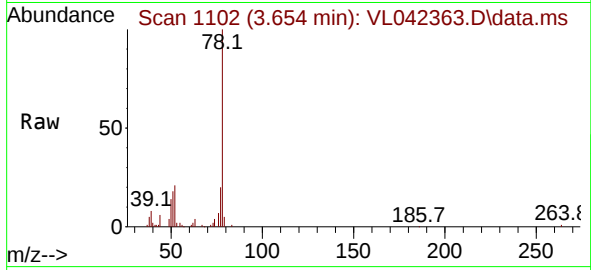
Instrument :

MSVOA_L

ClientSampleId :

IA-B1-3-3252025

Tgt Ion: 78	Resp: 20999
Ion Ratio	Lower Upper
78 100	
77 20.0	17.4 26.0
50 14.4	15.5 23.3#



#39

1,2-Dichloropropane

Concen: 6.827 ppbv

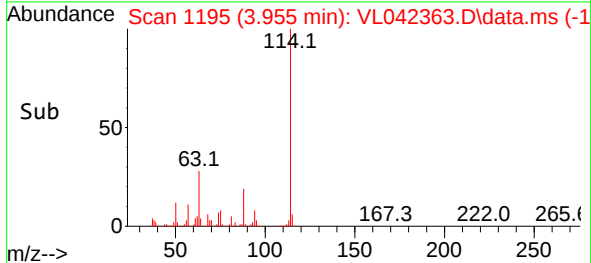
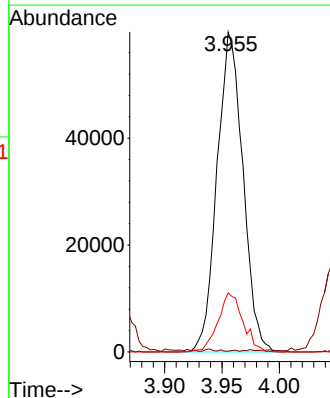
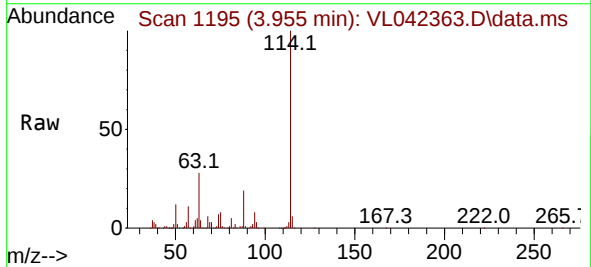
RT: 3.955 min Scan# 1195

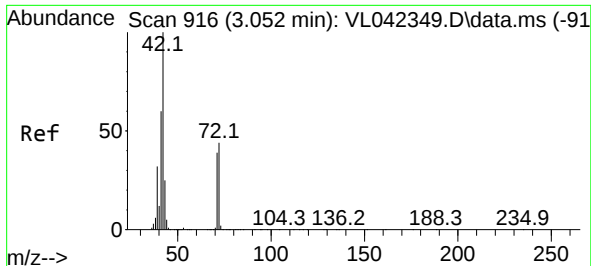
Delta R.T. -0.356 min

Lab File: VL042363.D

Acq: 17 Apr 2025 18:24

Tgt Ion: 63	Resp: 93853
Ion Ratio	Lower Upper
63 100	
41 0.0	64.2 96.2#
62 18.5	54.3 81.5#

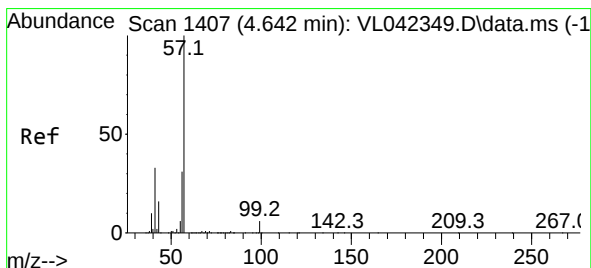
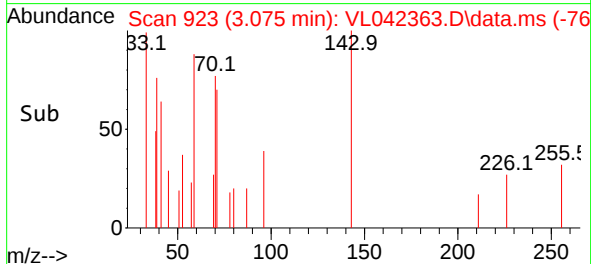
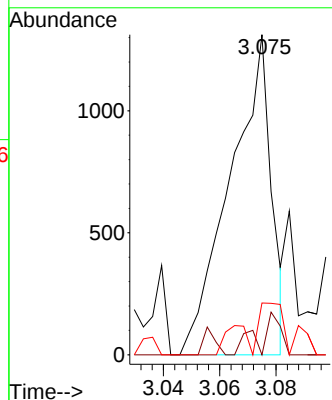
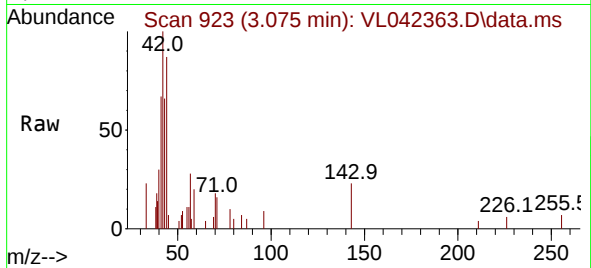




#41
Tetrahydrofuran
Concen: 0.084 ppbv
RT: 3.075 min Scan# 916
Delta R.T. 0.023 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

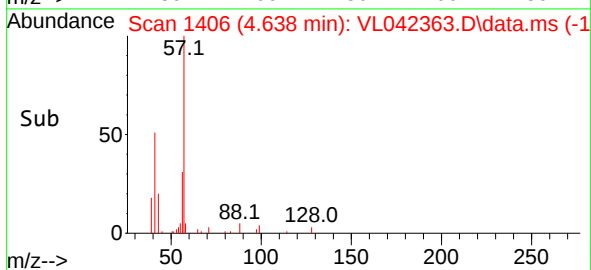
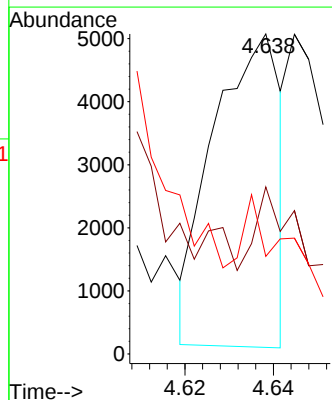
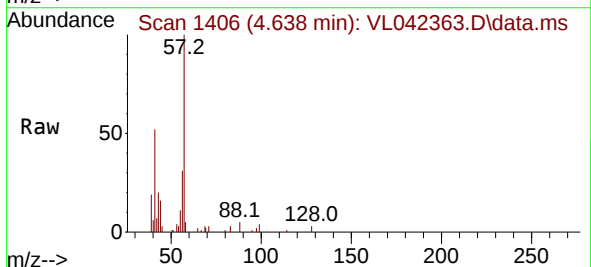
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

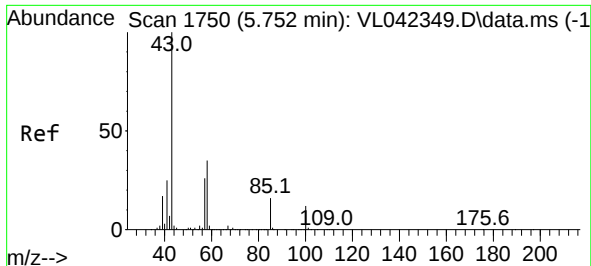
Tgt Ion: 42 Resp: 1322
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 17.1 31.4 47.2#



#44
2,2,4-Trimethylpentane
Concen: 0.082 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 57 Resp: 5226
Ion Ratio Lower Upper
57 100
41 0.0 27.2 40.8#
56 0.0 25.7 38.5#

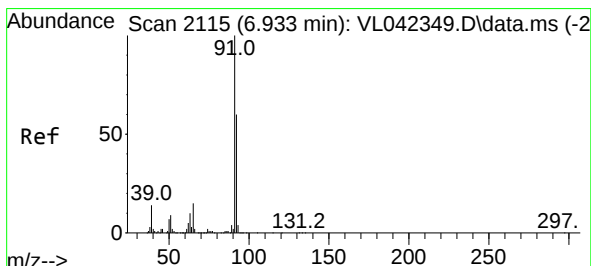
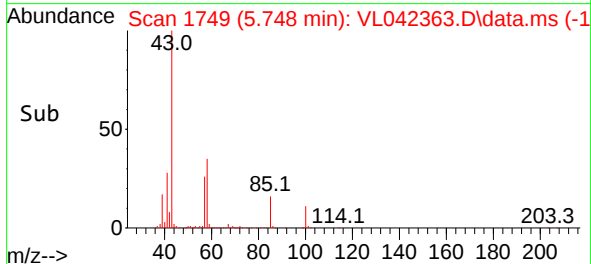
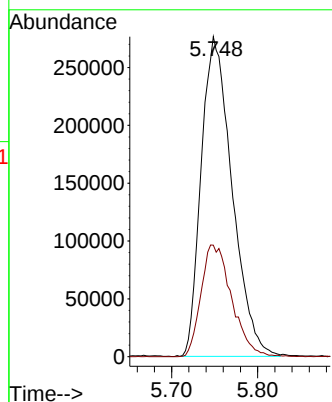
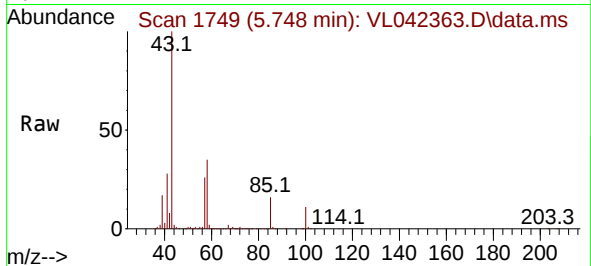




#50
4-Methyl-2-Pentanone
Concen: 15.336 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

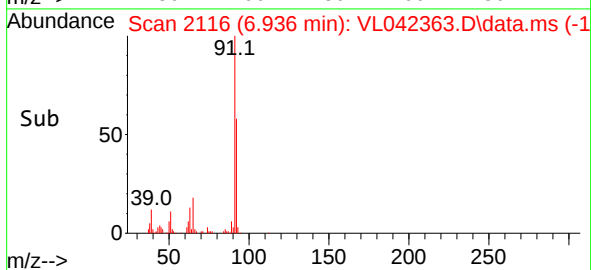
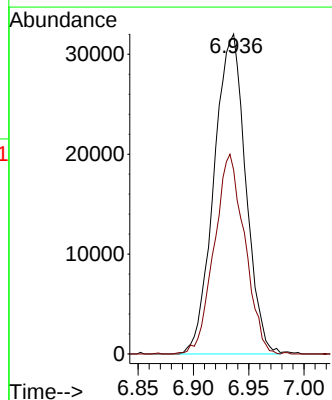
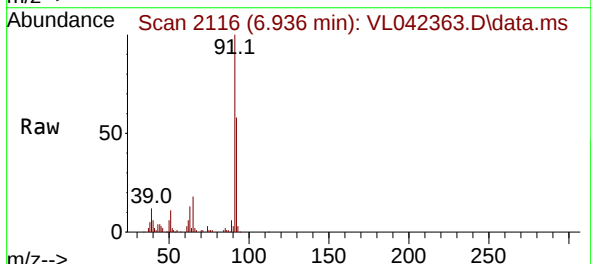
Instrument : MSVOA_L
ClientSampleId : IA-B1-3-3252025

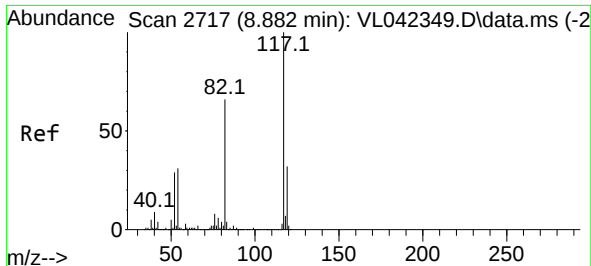
Tgt Ion: 43 Resp: 689390
Ion Ratio Lower Upper
43 100
58 34.7 28.6 43.0



#53
Toluene
Concen: 1.441 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 91 Resp: 63791
Ion Ratio Lower Upper
91 100
92 60.3 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: VL042363.D

Acq: 17 Apr 2025 18:24

Instrument :

MSVOA_L

ClientSampleId :

IA-B1-3-3252025

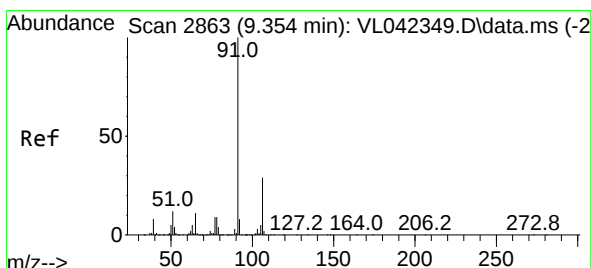
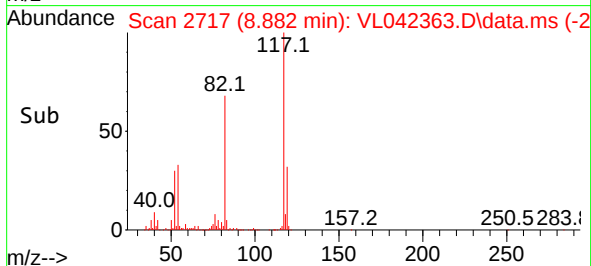
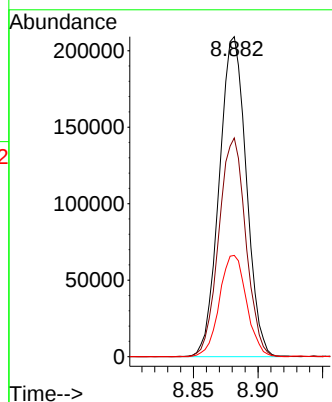
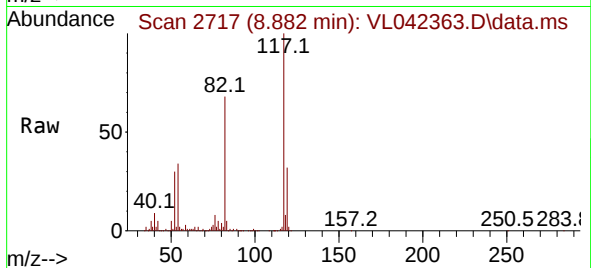
Tgt Ion:117 Resp: 304398

Ion Ratio Lower Upper

117 100

82 68.4 57.8 86.6

119 31.9 25.2 37.8



#58

Ethyl Benzene

Concen: 1.147 ppbv

RT: 9.351 min Scan# 2862

Delta R.T. -0.003 min

Lab File: VL042363.D

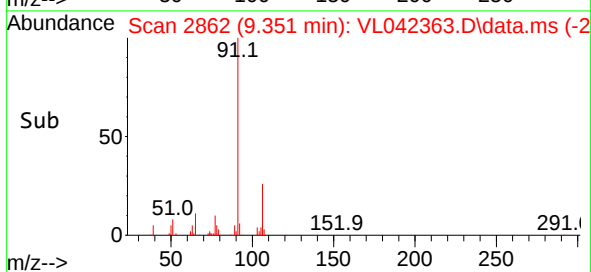
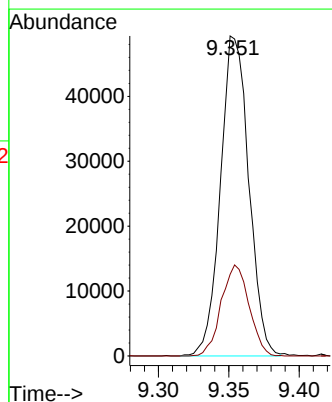
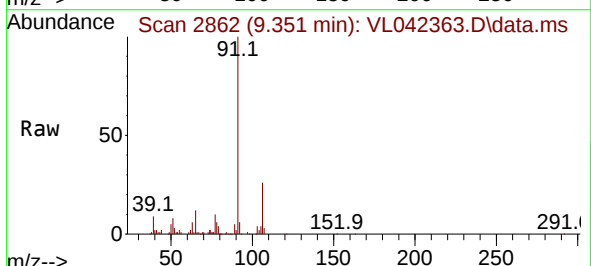
Acq: 17 Apr 2025 18:24

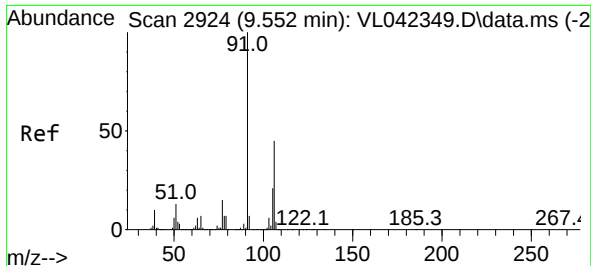
Tgt Ion: 91 Resp: 69152

Ion Ratio Lower Upper

91 100

106 25.5 23.0 34.4





#59

m/p-Xylene

Concen: 7.695 ppbv

RT: 9.529 min Scan# 2917

Delta R.T. -0.023 min

Lab File: VL042363.D

Acq: 17 Apr 2025 18:24

Instrument :

MSVOA_L

ClientSampleId :

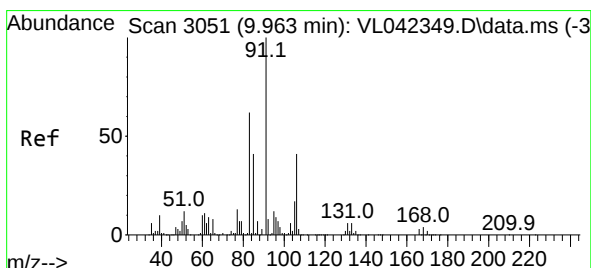
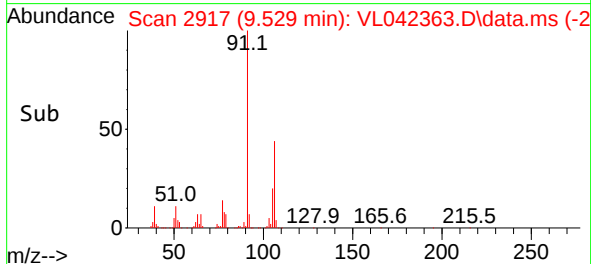
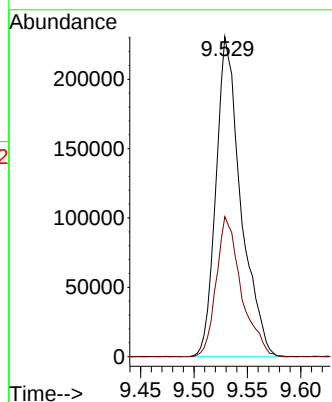
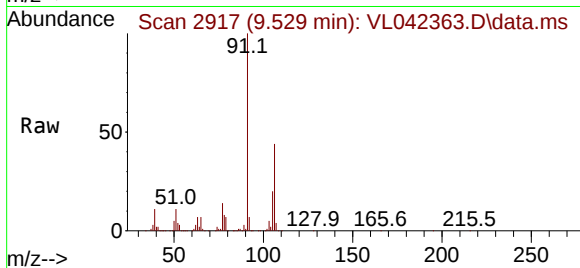
IA-B1-3-3252025

Tgt Ion: 91 Resp: 373837

Ion Ratio Lower Upper

91 100

106 44.0 35.4 53.2



#60

o-Xylene

Concen: 2.615 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL042363.D

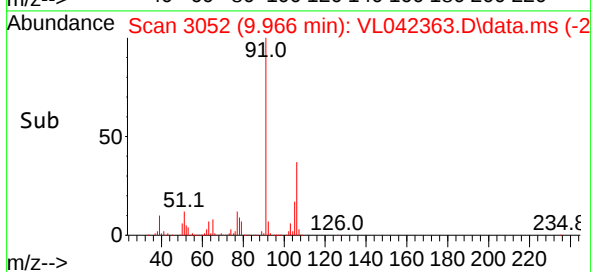
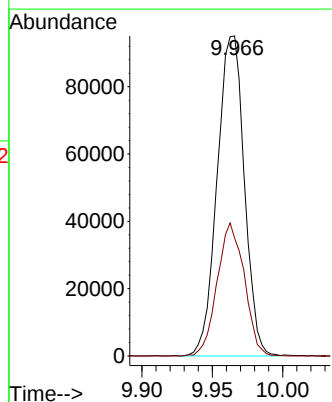
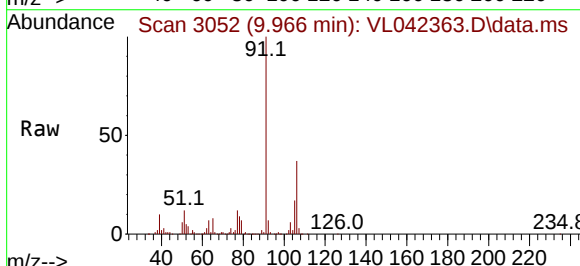
Acq: 17 Apr 2025 18:24

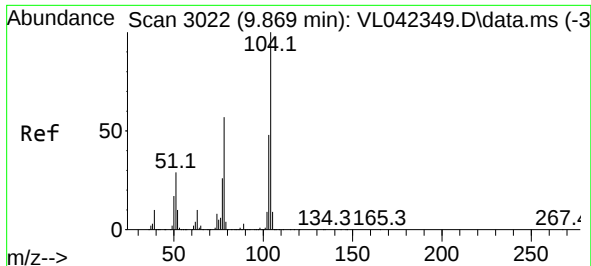
Tgt Ion: 91 Resp: 127919

Ion Ratio Lower Upper

91 100

106 41.4 21.1 63.4





#61

Styrene

Concen: 0.791 ppbv

RT: 9.869 min Scan# 3022

Delta R.T. -0.000 min

Lab File: VL042363.D

Acq: 17 Apr 2025 18:24

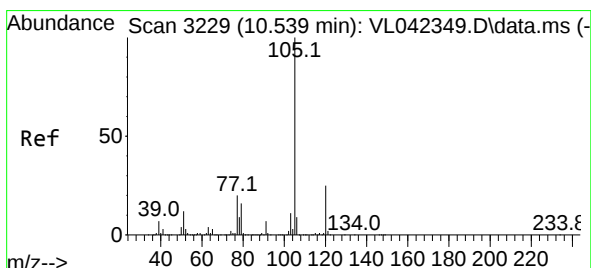
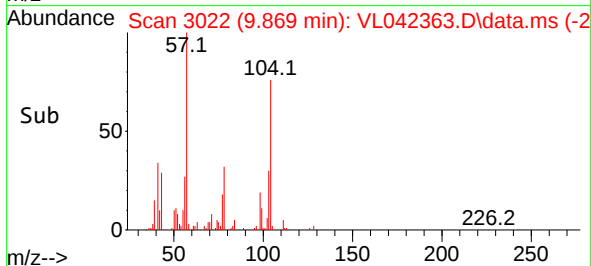
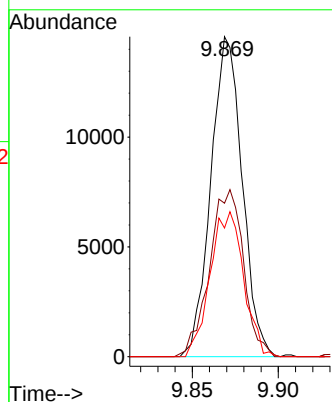
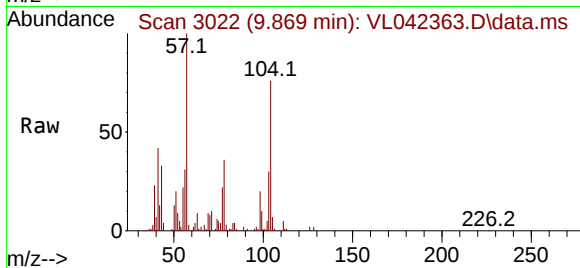
Instrument :

MSVOA_L

ClientSampleId :

IA-B1-3-3252025

Tgt Ion:104	Resp:	18463
Ion Ratio	Lower	Upper
104	100	
78	56.7	44.6 66.8
103	48.3	37.4 56.0



#62

Isopropylbenzene

Concen: 0.163 ppbv

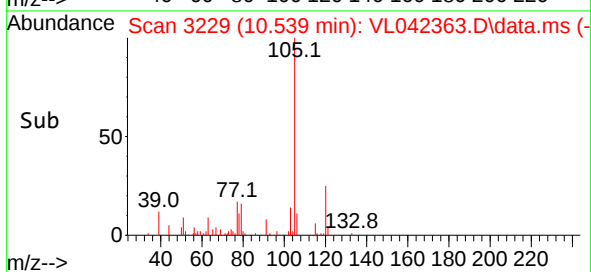
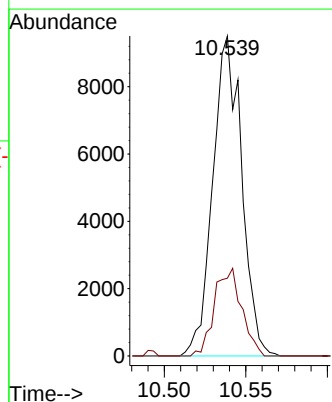
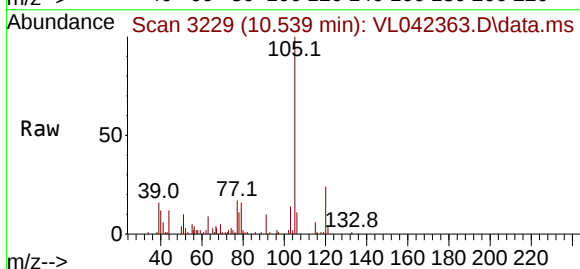
RT: 10.539 min Scan# 3229

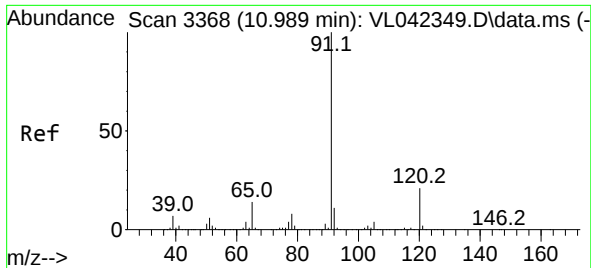
Delta R.T. -0.000 min

Lab File: VL042363.D

Acq: 17 Apr 2025 18:24

Tgt Ion:105	Resp:	11682
Ion Ratio	Lower	Upper
105	100	
120	25.8	19.8 29.8

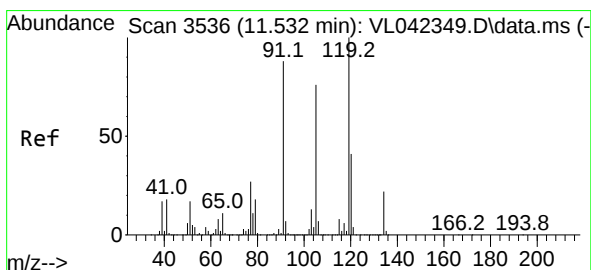
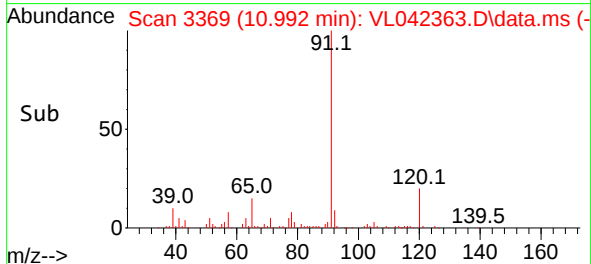
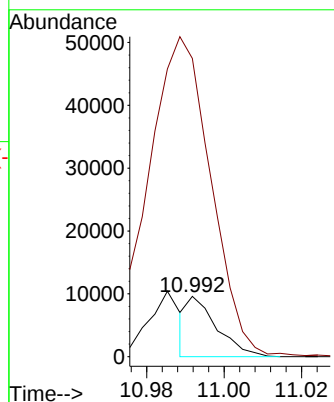
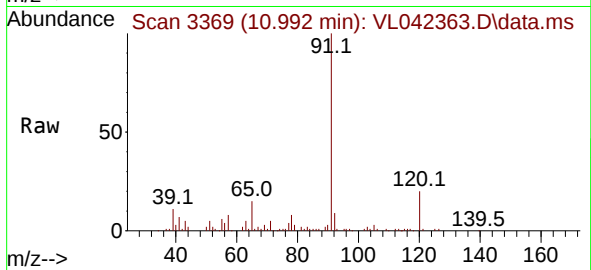




#64
n-propylbenzene
Concen: 0.283 ppbv
RT: 10.992 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

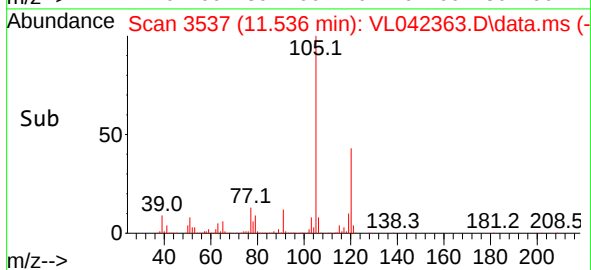
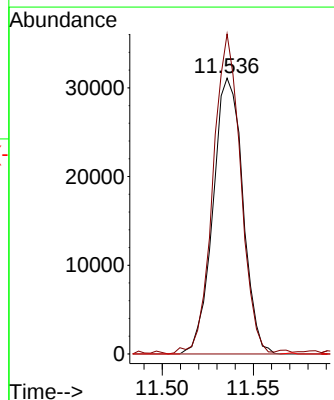
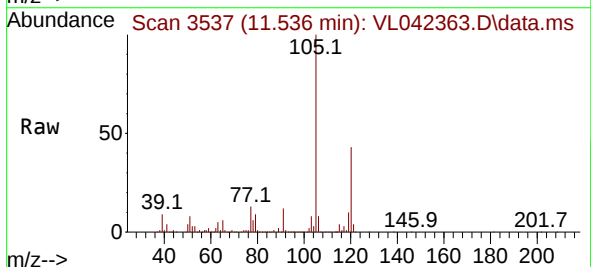
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

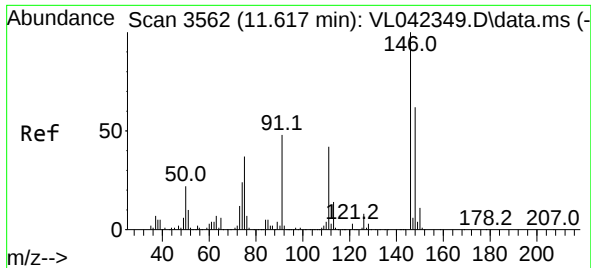
Tgt Ion:120 Resp: 5104
Ion Ratio Lower Upper
120 100
91 1138.7 392.4 588.6#



#65
tert-Butylbenzene
Concen: 0.536 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion:119 Resp: 35413
Ion Ratio Lower Upper
119 100
91 110.1 74.6 111.8
134 0.0 18.8 28.2#

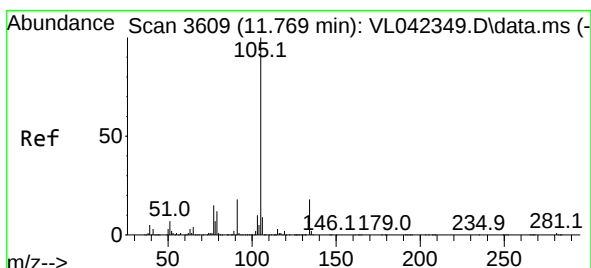
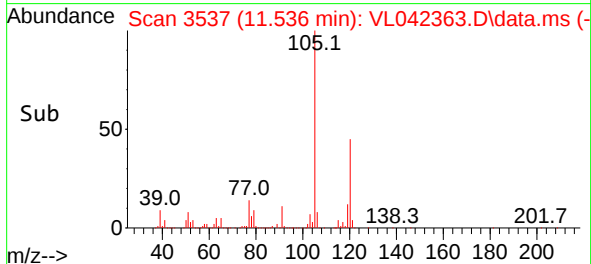
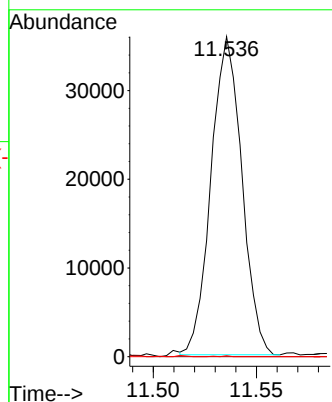
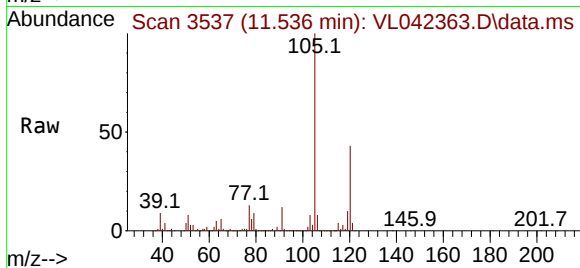




#66
Benzyl Chloride
Concen: 5.131 ppbv
RT: 11.536 min Scan# 31
Delta R.T. -0.081 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

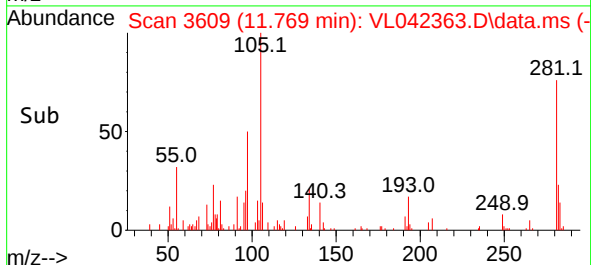
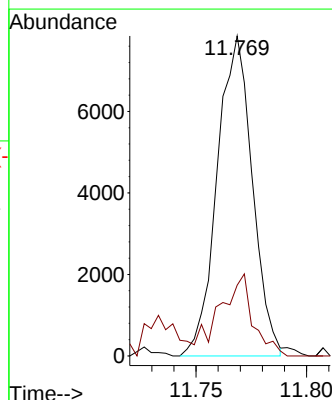
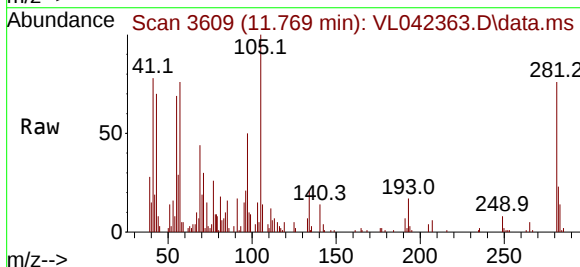
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

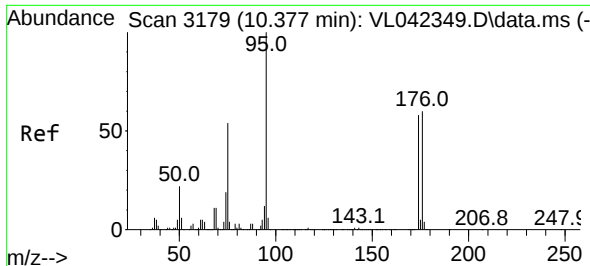
Tgt Ion: 91 Resp: 37225
Ion Ratio Lower Upper
91 100
126 0.0 11.8 17.6#
128 0.2 4.5 6.7#



#67
sec-Butylbenzene
Concen: 0.095 ppbv
RT: 11.769 min Scan# 3609
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 105 Resp: 8682
Ion Ratio Lower Upper
105 100
134 21.6 14.6 21.8

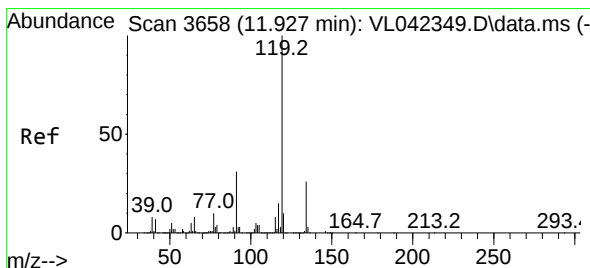
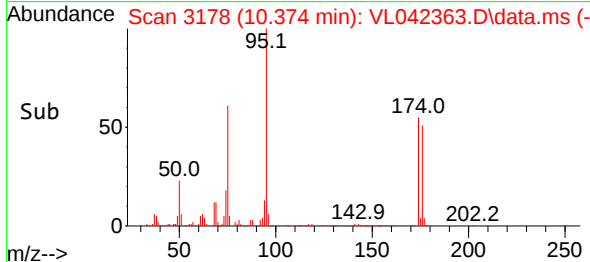
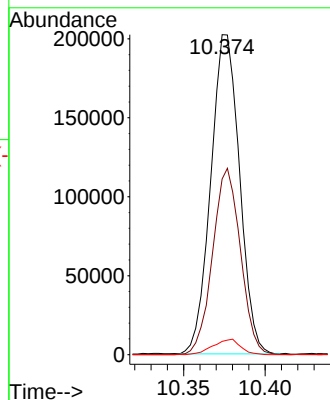
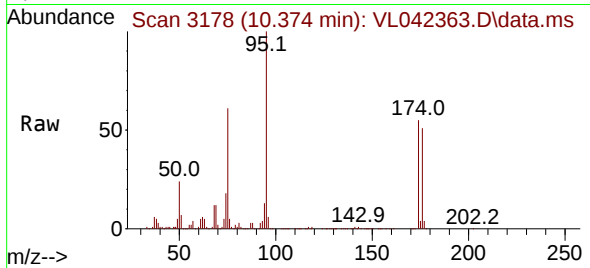




#68
1-Bromo-4-Fluorobenzene
Concen: 9.920 ppbv
RT: 10.374 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

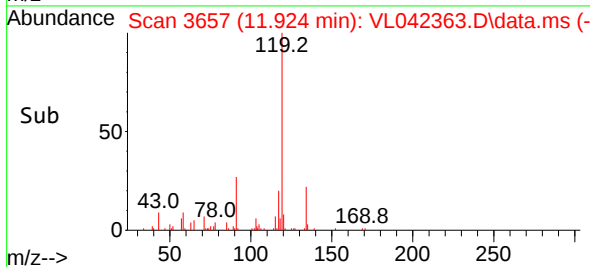
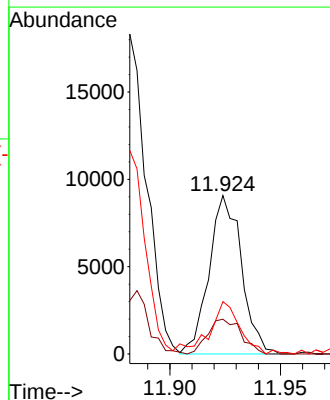
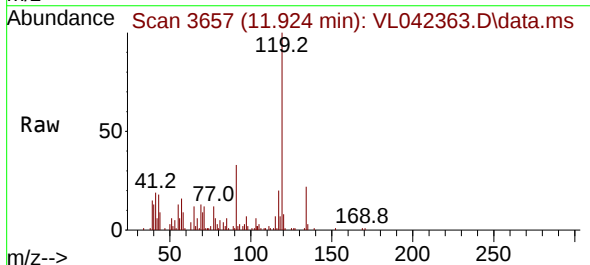
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

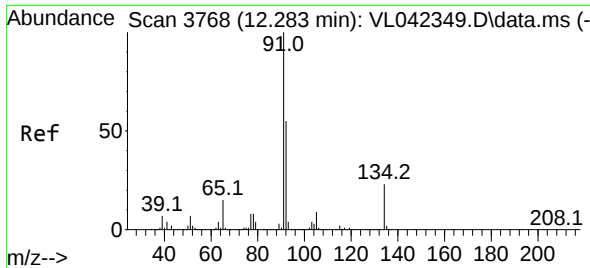
Tgt Ion: 95 Resp: 248134
Ion Ratio Lower Upper
95 100
174 56.5 48.5 72.7
175 4.6 3.7 5.5



#69
p-Isopropyltoluene
Concen: 0.116 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion: 119 Resp: 9270
Ion Ratio Lower Upper
119 100
134 22.6 20.0 30.0
91 31.0 24.4 36.6

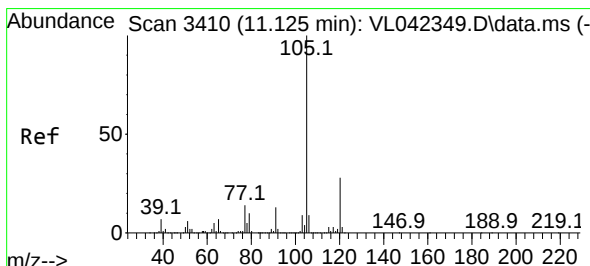
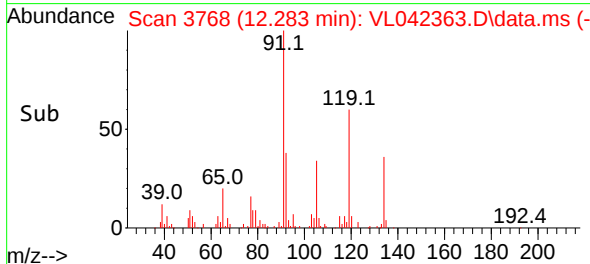
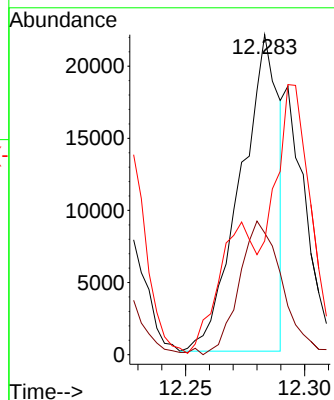
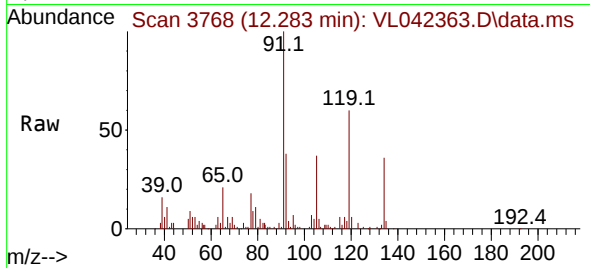




#70
n-Butylbenzene
Concen: 0.297 ppbv
RT: 12.283 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

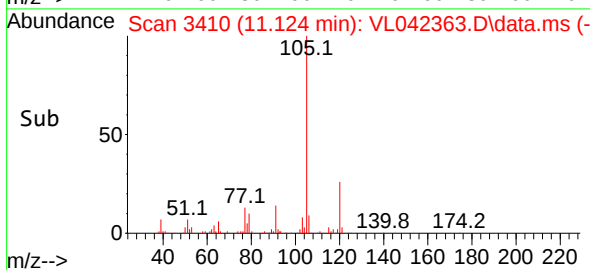
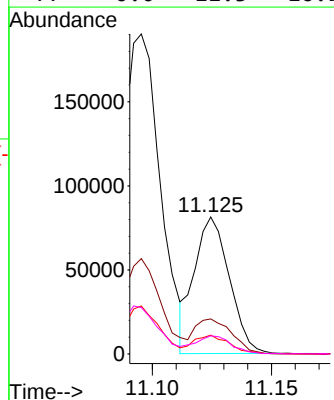
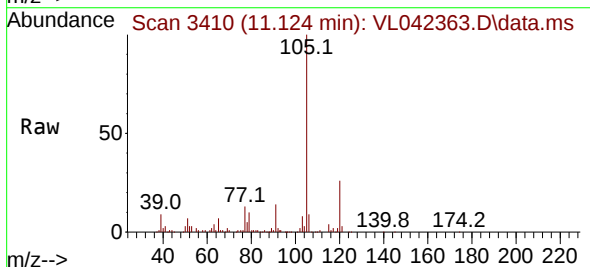
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

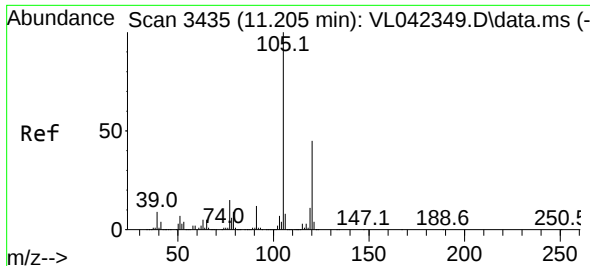
Tgt Ion: 91 Resp: 24716
Ion Ratio Lower Upper
91 100
92 48.6 44.2 66.4
134 0.0 18.2 27.4#



#72
4-Ethyltoluene
Concen: 1.390 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion:105 Resp: 83127
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#

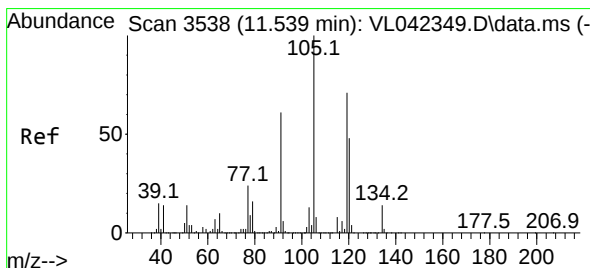
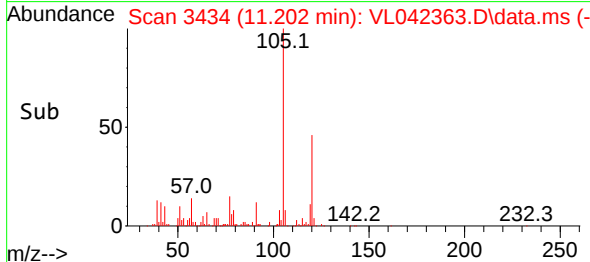
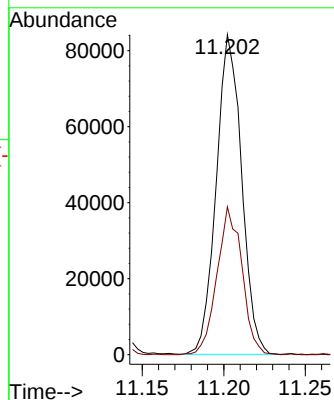
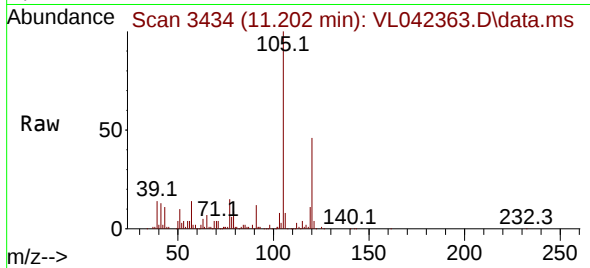




#73
1,3,5-Trimethylbenzene
Concen: 1.724 ppbv
RT: 11.202 min Scan# 3435
Delta R.T. -0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

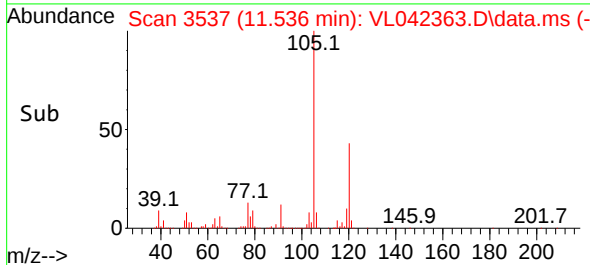
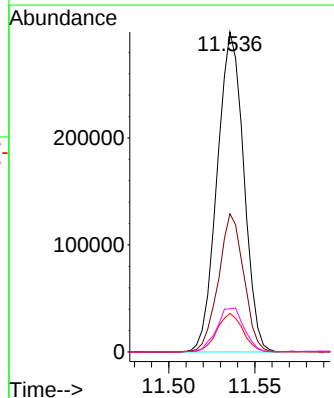
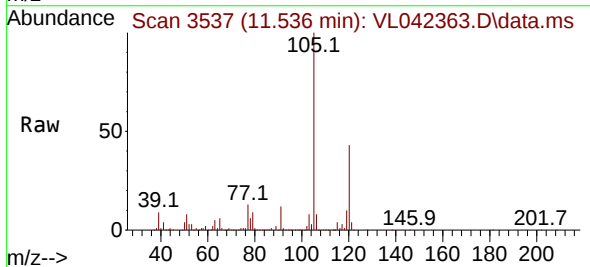
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

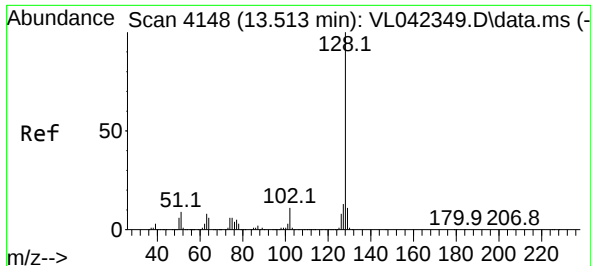
Tgt Ion:105 Resp: 91013
Ion Ratio Lower Upper
105 100
120 46.2 35.6 53.4



#74
1,2,4-Trimethylbenzene
Concen: 5.205 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion:105 Resp: 321031
Ion Ratio Lower Upper
105 100
120 43.2 38.1 57.1
91 12.0 48.8 73.2#
77 13.4 19.0 28.4#

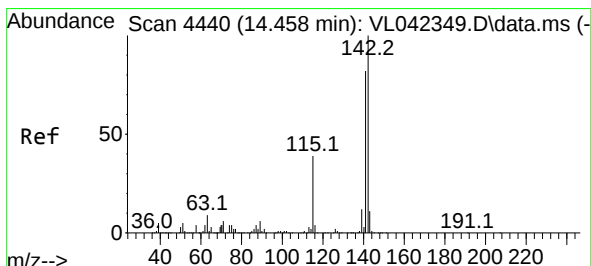
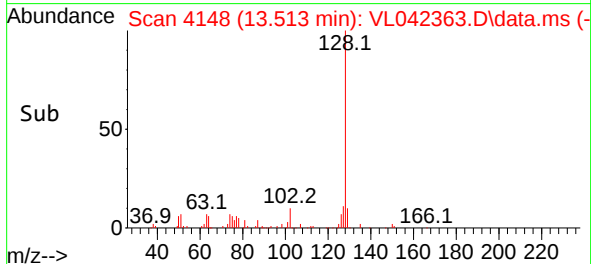
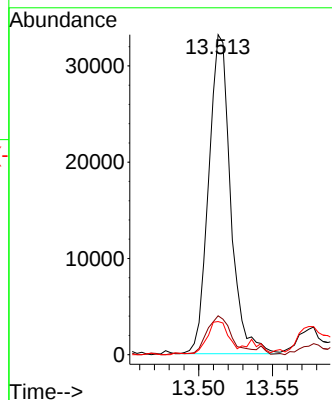
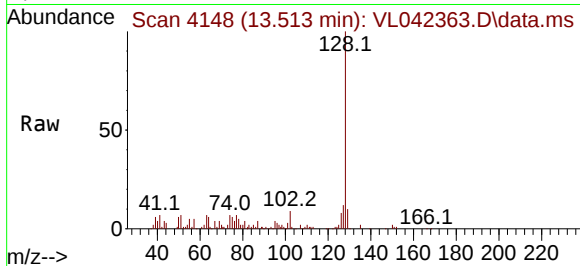




#79
Naphthalene
Concen: 0.465 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.000 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-3-3252025

Tgt Ion:	128	Resp:	34268
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.6	15.8
129	10.0	8.6	12.8



#80
Naphthalene, 2-methyl-
Concen: 0.204 ppbv
RT: 14.588 min Scan# 4480
Delta R.T. 0.129 min
Lab File: VL042363.D
Acq: 17 Apr 2025 18:24

Tgt Ion:	142	Resp:	8582
Ion Ratio	Lower	Upper	
142	100		
141	83.7	66.8	100.2
115	46.7	33.4	50.2

