

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042362.D
 Acq On : 17 Apr 2025 17:51
 Operator : SY/MD
 Sample : Q1668-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-4-3252025DUP

Quant Time: Apr 18 02:39:37 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	122226	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	344143	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	303859	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	251359	10.067	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	9771	0.452	ppbv	92
3) Chlorodifluoromethane	1.476	51	10339	0.503	ppbv #	90
4) Chloromethane	1.534	50	4015	0.470	ppbv	99
7) Chloroethane	1.703	64	144	0.043	ppbv #	44
9) Propene	1.486	41	5149	0.550	ppbv	92
10) Heptane	4.981	43	50613	1.924	ppbv	99
11) Trichlorofluoromethane	1.877	101	4655	0.227	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	1142	0.068	ppbv #	80
13) Ethanol	1.722	45	362837	243.762	ppbv	75
15) Acetone	1.835	43	104810	5.238	ppbv	94
16) 1,3-Butadiene	1.599	39	4703	0.491	ppbv #	36
17) tert-Butyl alcohol	2.046	59	3734	0.151	ppbv #	71
19) Isopropyl Alcohol	1.887	45	25172	2.265	ppbv #	6
20) Methylene Chloride	2.062	84	21791	2.781	ppbv	98
21) Allyl Chloride	2.094	41	433	0.031	ppbv #	21
23) Vinyl Acetate	2.473	43	31029	3.831	ppbv #	54
25) Ethyl Acetate	2.826	43	40663	0.824	ppbv #	80
26) Hexane	2.826	57	56908	2.850	ppbv #	34
27) Carbon Disulfide	2.149	76	12830	0.600	ppbv #	1
30) Cyclohexane	3.861	84	54578	3.382	ppbv	100
34) 2-Butanone	2.560	43	18869	0.693	ppbv	96
35) Carbon Tetrachloride	3.764	117	2082	0.067	ppbv #	47
36) Benzene	3.654	78	19730	0.532	ppbv #	91
39) 1,2-Dichloropropane	3.959	63	93126	6.732	ppbv #	23
41) Tetrahydrofuran	3.068	42	892	0.056	ppbv #	61
44) 2,2,4-Trimethylpentane	4.645	57	5625	0.088	ppbv #	42
50) 4-Methyl-2-Pentanone	5.755	43	876965	19.389	ppbv	99
52) Tetrachloroethene	8.224	164	512	0.036	ppbv #	47
53) Toluene	6.936	91	69352	1.557	ppbv	99
58) Ethyl Benzene	9.354	91	57094	0.948	ppbv	99
59) m/p-Xylene	9.532	91	448533	9.248	ppbv	100
60) o-Xylene	9.966	91	96845	1.983	ppbv	100
61) Styrene	9.872	104	37632	1.614	ppbv	98
62) Isopropylbenzene	10.539	105	10762	0.150	ppbv	97
64) n-propylbenzene	10.989	120	9965	0.553	ppbv	95
65) tert-Butylbenzene	11.536	119	25638	0.389	ppbv #	68
66) Benzyl Chloride	11.539	91	29513	4.075	ppbv #	70
67) sec-Butylbenzene	11.769	105	8403	0.092	ppbv #	76
69) p-Isopropyltoluene	11.927	119	12725	0.160	ppbv	93
70) n-Butylbenzene	12.283	91	29311	0.353	ppbv #	44
72) 4-Ethyltoluene	11.124	105	64934	1.088	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.205	105	70431	1.336	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	242011	3.931	ppbv #	61

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025DUP

Quant Time: Apr 18 02:39:37 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

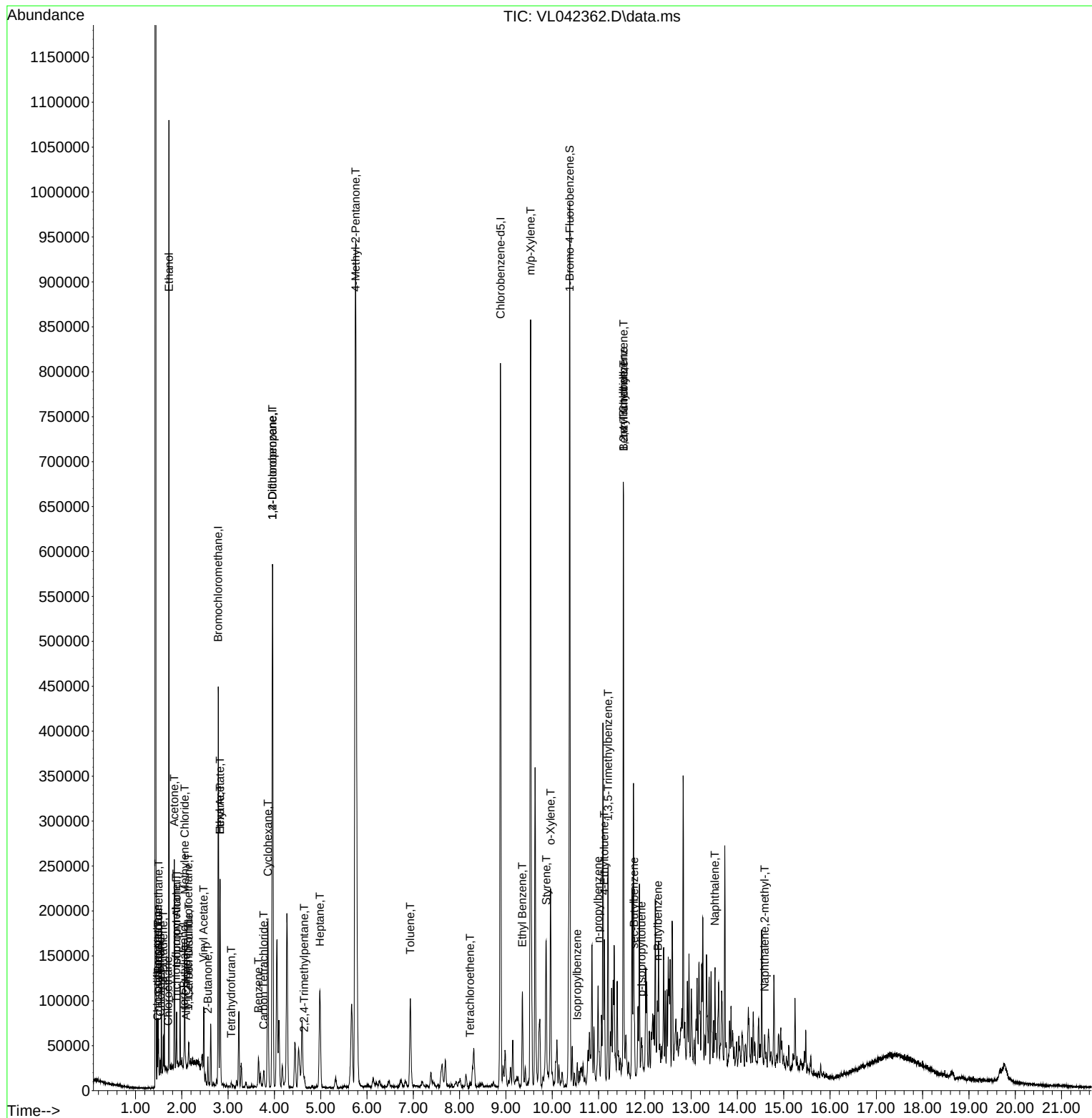
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	13.513	128	46070	0.626	ppbv	# 96
80) Naphthalene,2-methyl-	14.591	142	8081	0.193	ppbv	97

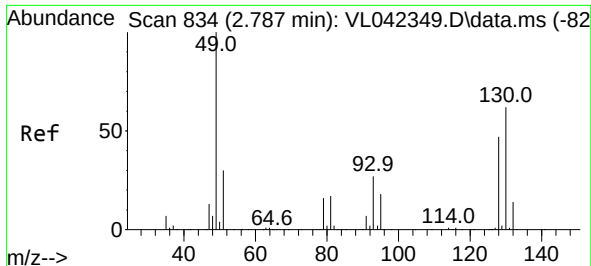
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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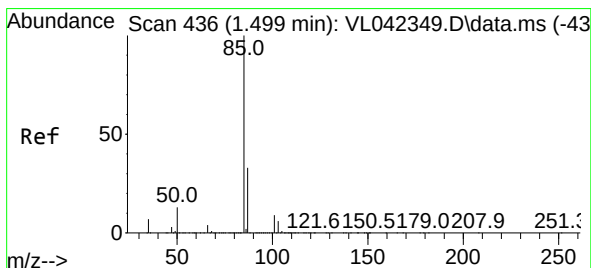
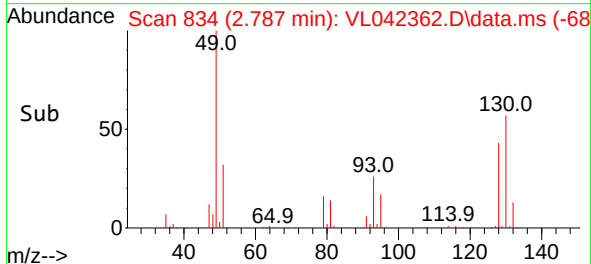
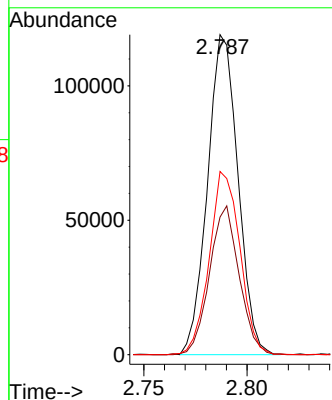
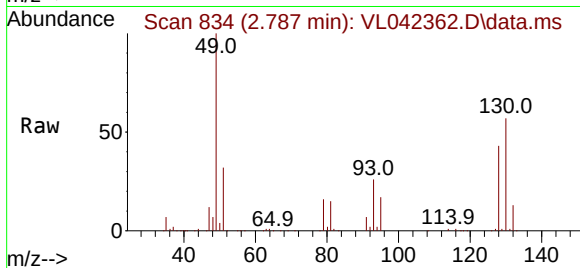




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042362.D
 Acq: 17 Apr 2025 17:51

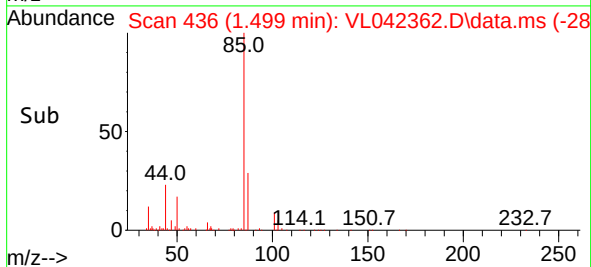
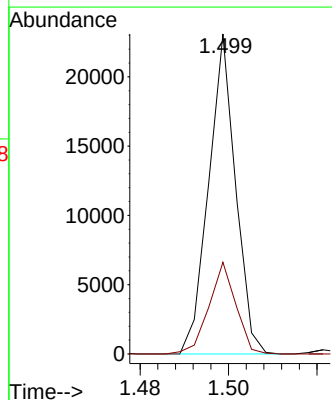
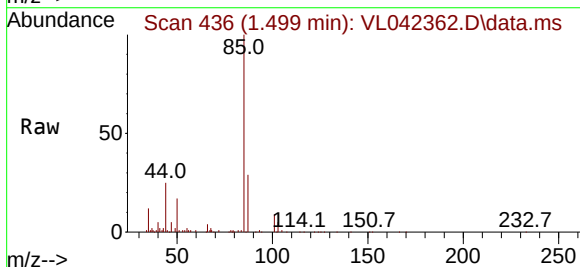
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-4-3252025DUP

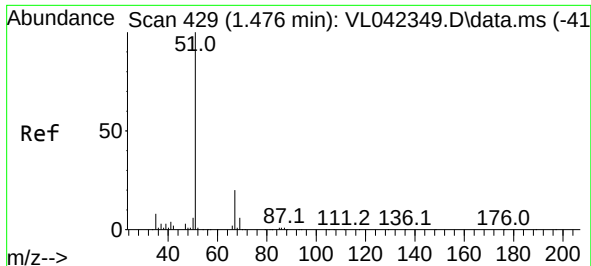
Tgt Ion: 49 Resp: 122226
 Ion Ratio Lower Upper
 49 100
 128 45.2 22.8 68.4
 130 57.7 29.3 88.0



#2
 Dichlorodifluoromethane
 Concen: 0.452 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042362.D
 Acq: 17 Apr 2025 17:51

Tgt Ion: 85 Resp: 9771
 Ion Ratio Lower Upper
 85 100
 87 28.7 26.6 39.8

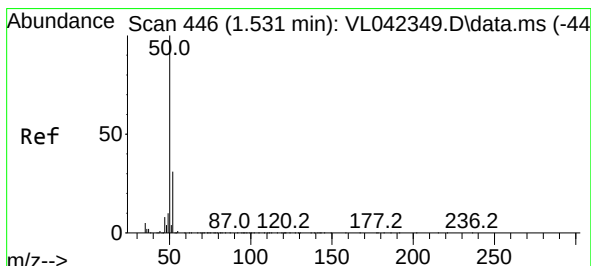
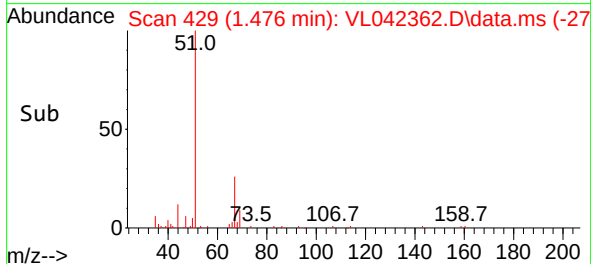
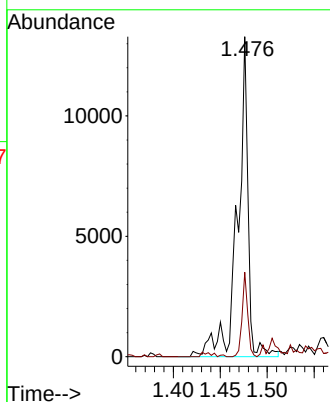
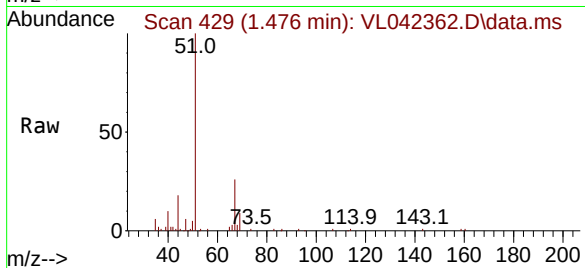




#3
Chlorodifluoromethane
Concen: 0.503 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

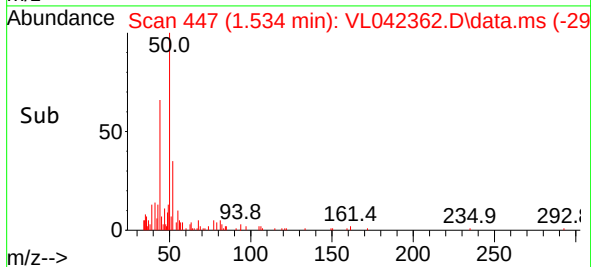
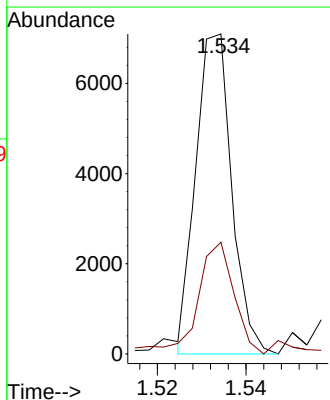
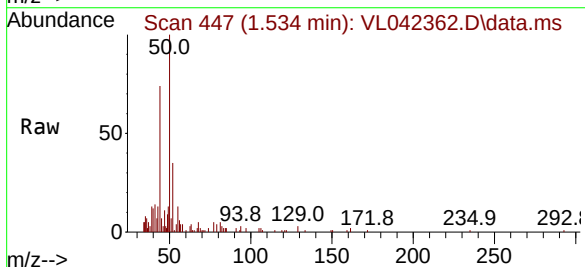
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MSVOA_L
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IA-B1-4-3252025DUP

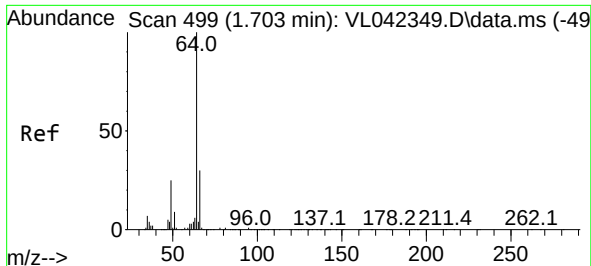
Tgt Ion: 51 Resp: 10339
Ion Ratio Lower Upper
51 100
67 15.6 16.2 24.4#



#4
Chloromethane
Concen: 0.470 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 50 Resp: 4015
Ion Ratio Lower Upper
50 100
52 31.6 24.7 37.1

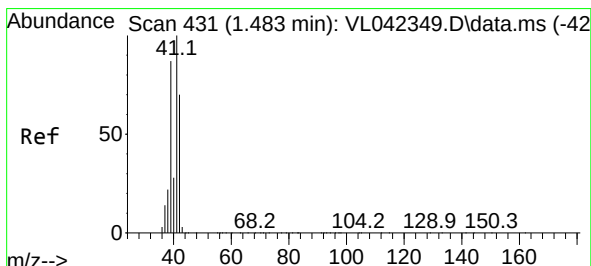
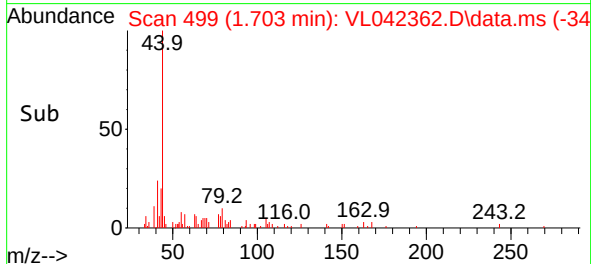
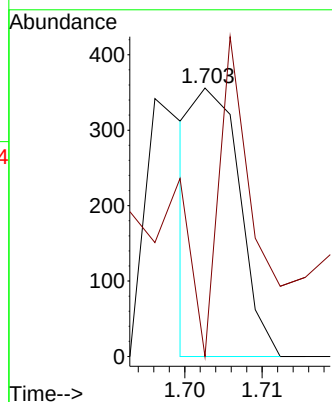
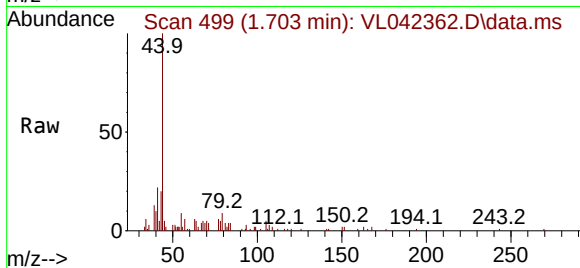




#7
Chloroethane
Concen: 0.043 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

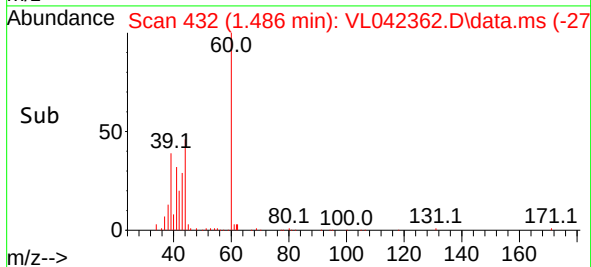
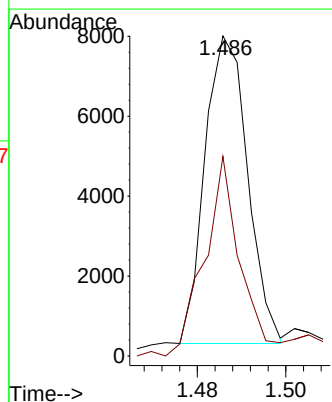
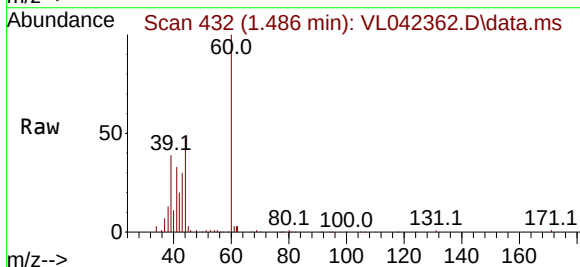
Instrument :
MSVOA_1
ClientSampleId :
IA-B1-4-3252025DUP

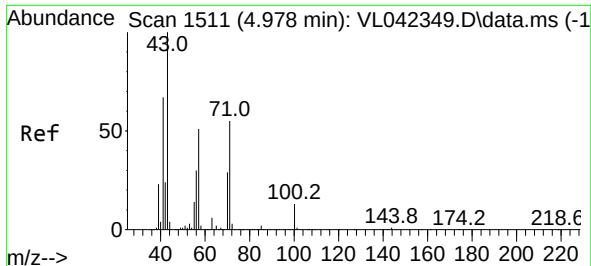
Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0#



#9
Propene
Concen: 0.550 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 41 Resp: 5149
Ion Ratio Lower Upper
41 100
42 63.7 56.2 84.4





#10

Heptane

Concen: 1.924 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.003 min

Lab File: VL042362.D

Acq: 17 Apr 2025 17:51

Instrument :

MSVOA_L

ClientSampleId :

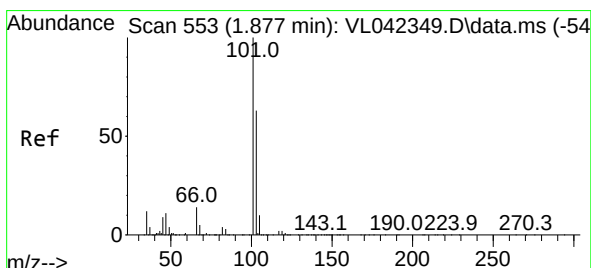
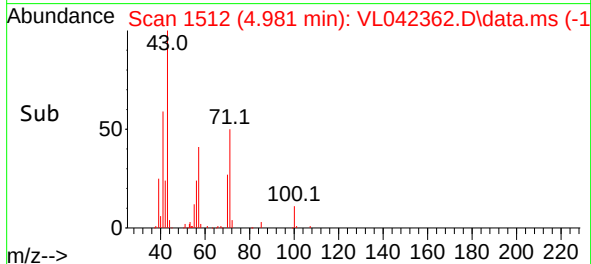
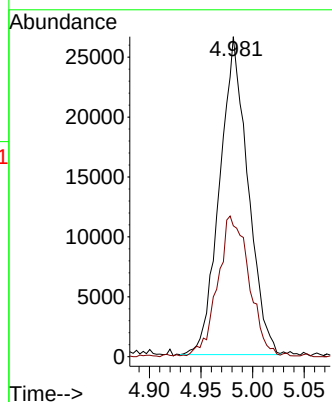
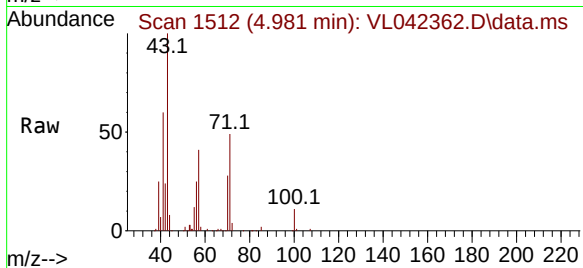
IA-B1-4-3252025DUP

Tgt Ion: 43 Resp: 50613

Ion Ratio Lower Upper

43 100

57 50.3 39.9 59.9



#11

Trichlorofluoromethane

Concen: 0.227 ppbv

RT: 1.877 min Scan# 553

Delta R.T. -0.000 min

Lab File: VL042362.D

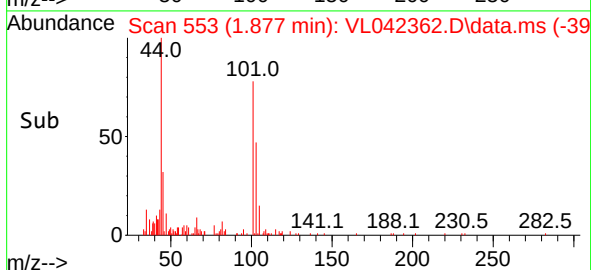
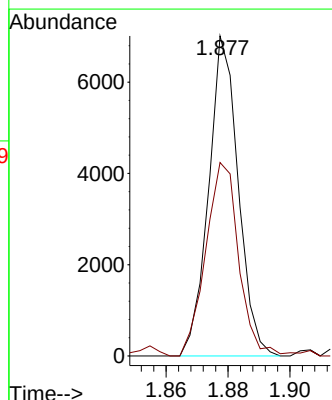
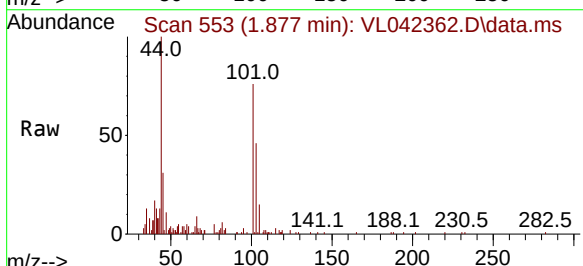
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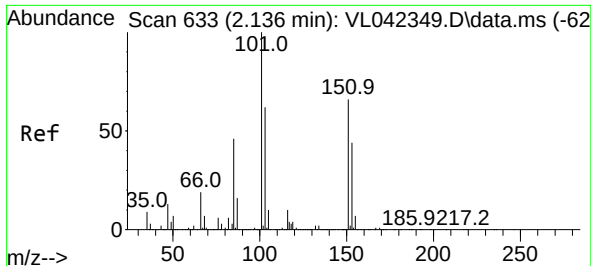
Tgt Ion:101 Resp: 4655

Ion Ratio Lower Upper

101 100

103 60.4 50.1 75.1

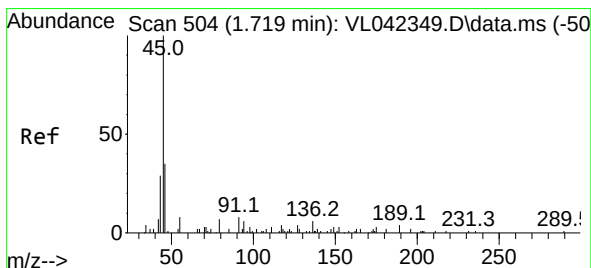
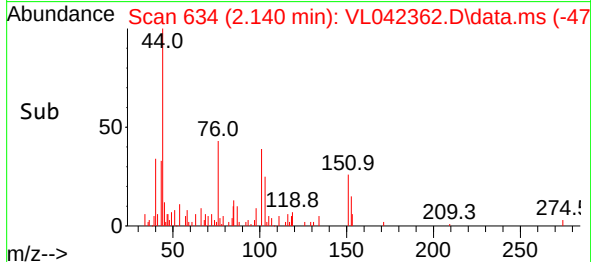
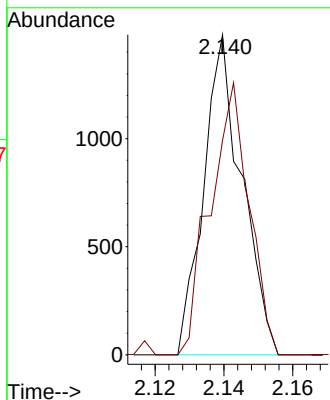
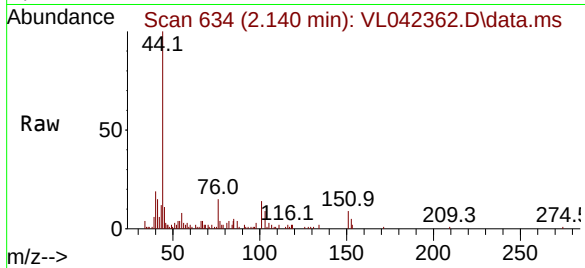




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.068 ppbv
RT: 2.140 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

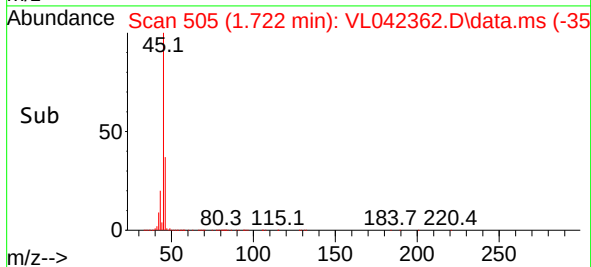
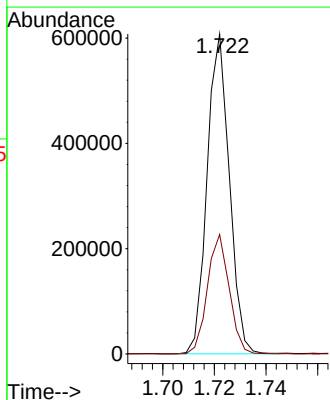
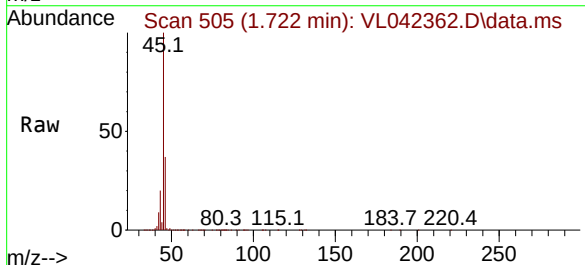
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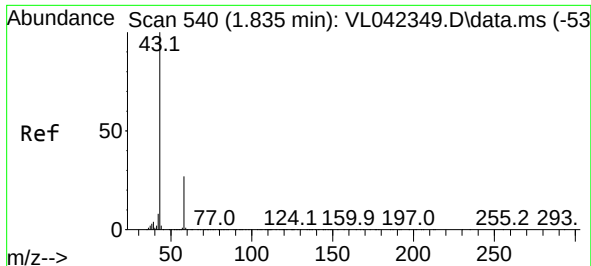
Tgt Ion:101 Resp: 1142
Ion Ratio Lower Upper
101 100
151 87.8 57.0 85.6#



#13
Ethanol
Concen: 243.762 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
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Tgt Ion: 45 Resp: 362837
Ion Ratio Lower Upper
45 100
46 36.8 21.9 87.7

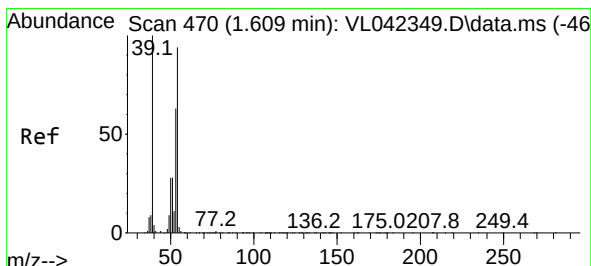
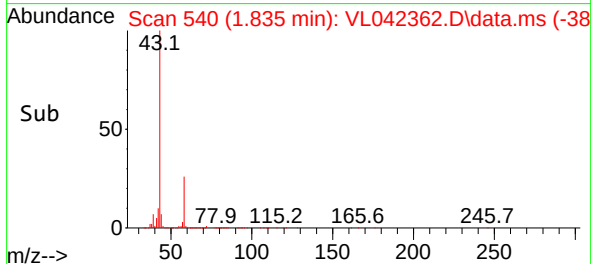
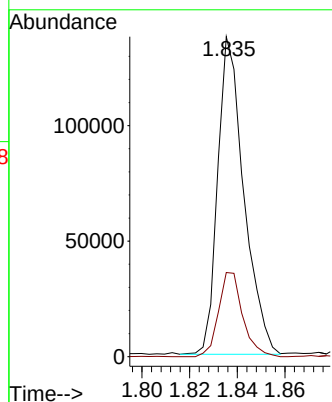
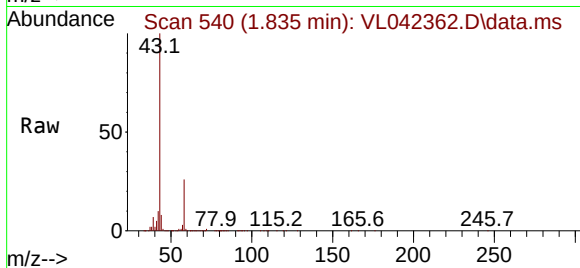




#15
Acetone
Concen: 5.238 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

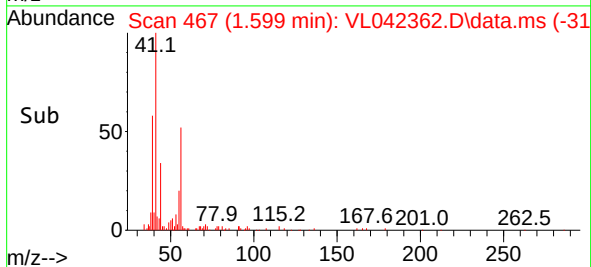
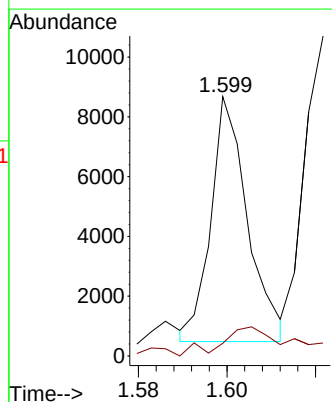
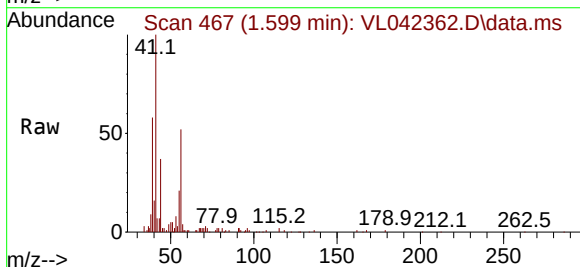
Instrument : MSVOA_L
ClientSampleId : IA-B1-4-3252025DUP

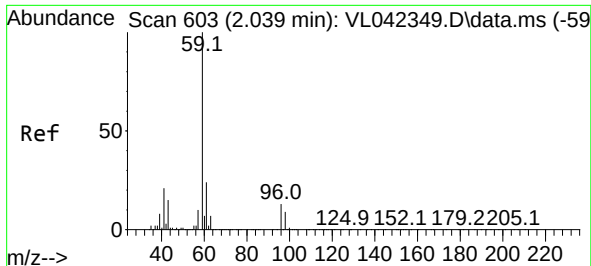
Tgt Ion: 43 Resp: 104810
Ion Ratio Lower Upper
43 100
58 24.9 22.4 33.6



#16
1,3-Butadiene
Concen: 0.491 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.010 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 39 Resp: 4703
Ion Ratio Lower Upper
39 100
54 24.6 64.9 97.3#





#17

tert-Butyl alcohol

Concen: 0.151 ppbv

RT: 2.046 min Scan# 603

Delta R.T. 0.006 min

Lab File: VL042362.D

Acq: 17 Apr 2025 17:51

Instrument :

MSVOA_1

ClientSampleId :

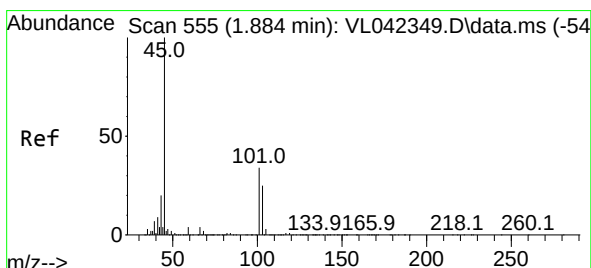
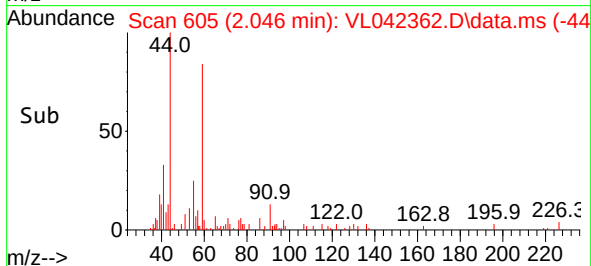
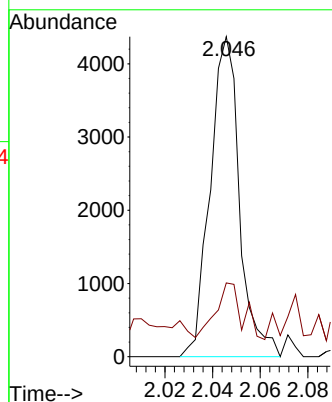
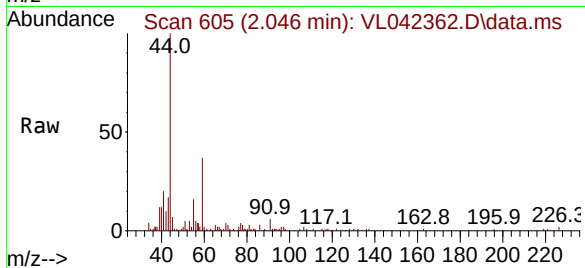
IA-B1-4-3252025DUP

Tgt Ion: 59 Resp: 3734

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#19

Isopropyl Alcohol

Concen: 2.265 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042362.D

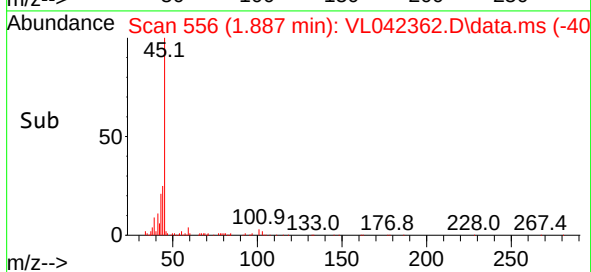
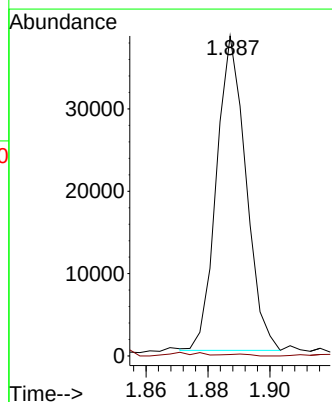
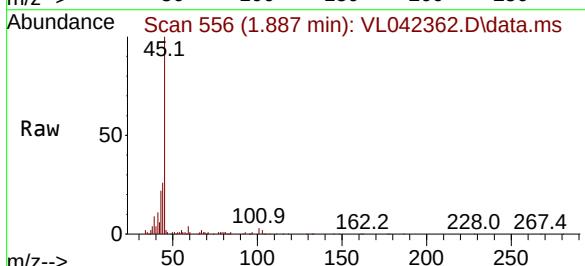
Acq: 17 Apr 2025 17:51

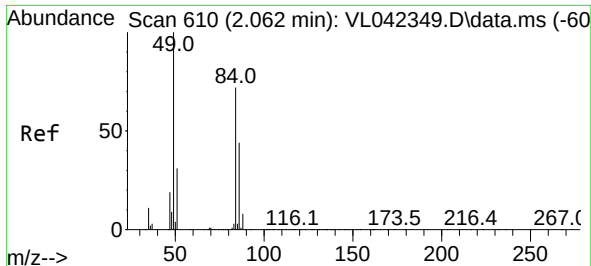
Tgt Ion: 45 Resp: 25172

Ion Ratio Lower Upper

45 100

58 103.6 34.5 51.7#

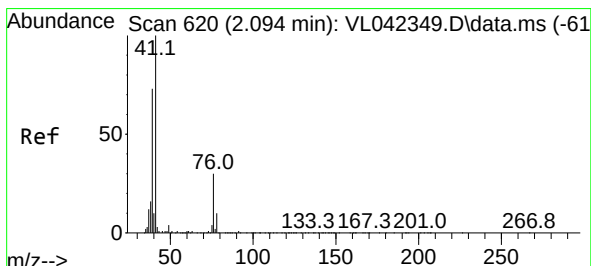
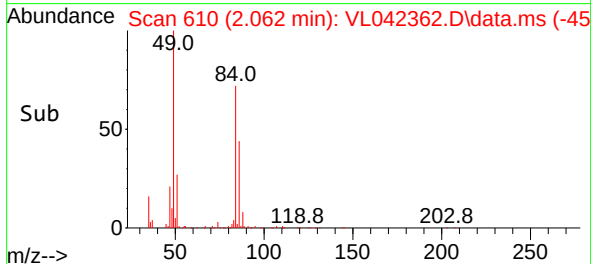
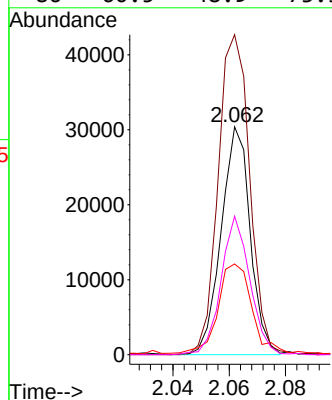
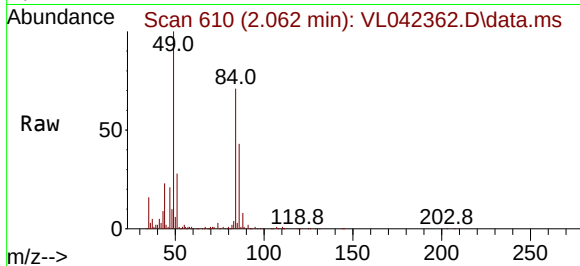




#20
Methylene Chloride
Concen: 2.781 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

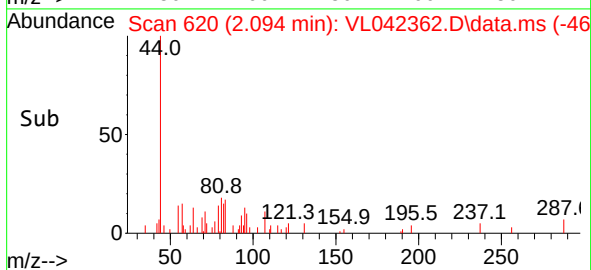
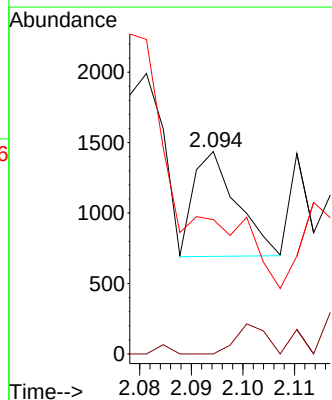
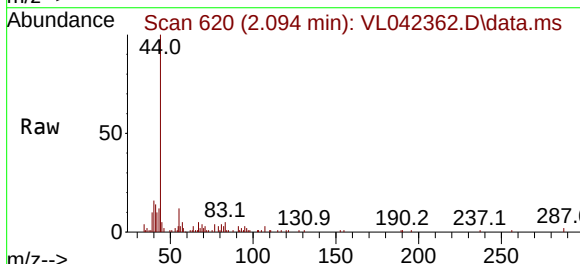
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025DUP

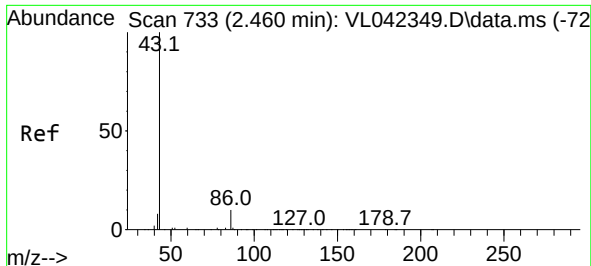
Tgt Ion:	84	Resp:	21791
Ion	Ratio	Lower	Upper
84	100		
49	140.1	111.6	167.4
51	39.0	35.1	52.7
86	60.5	48.9	73.3



#21
Allyl Chloride
Concen: 0.031 ppbv
RT: 2.094 min Scan# 620
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion:	41	Resp:	433
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.8	37.2#
39	0.0	60.6	90.8#

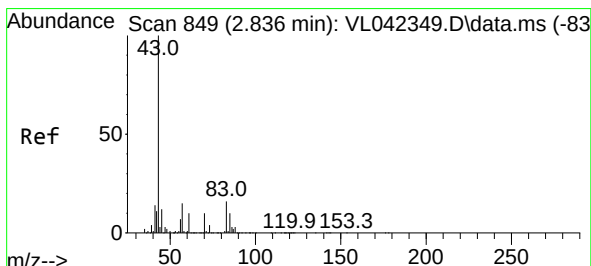
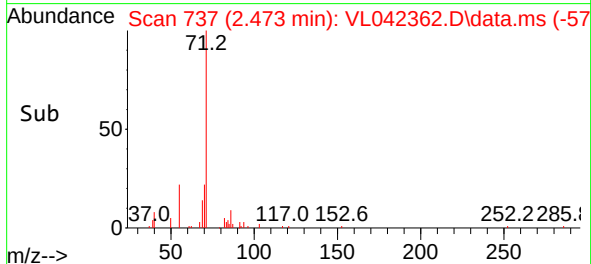
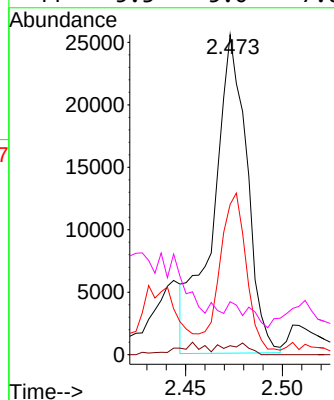
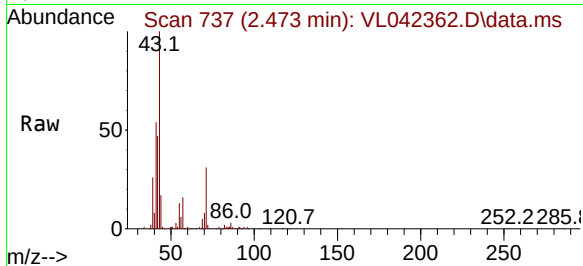




#23
Vinyl Acetate
Concen: 3.831 ppbv
RT: 2.473 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

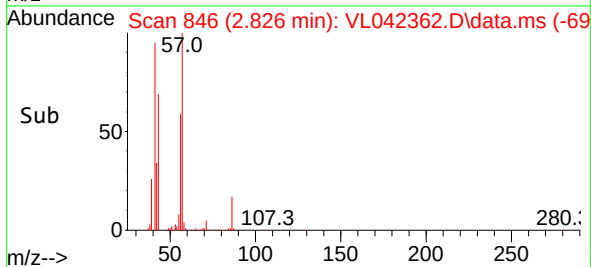
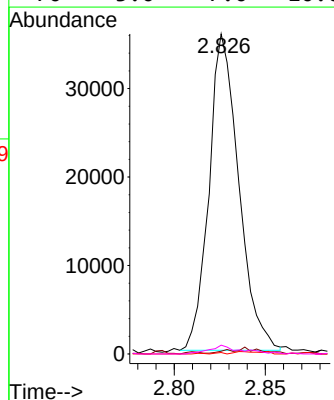
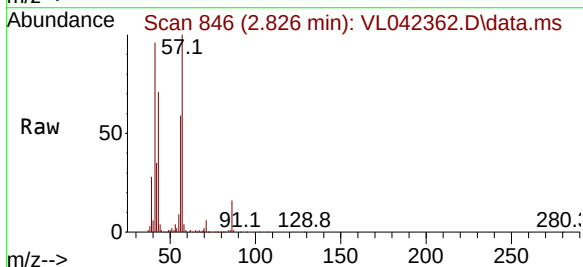
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025DUP

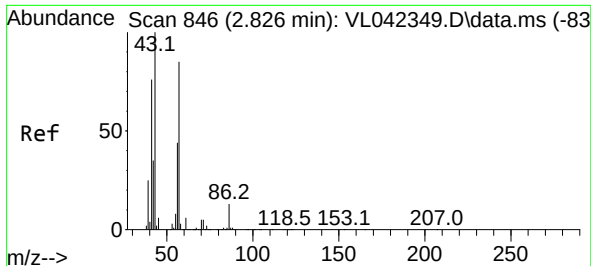
Tgt Ion:	43	Resp:	31029
Ion	Ratio	Lower	Upper
43	100		
86	2.9	6.5	9.7#
42	46.6	7.8	11.8#
44	5.3	5.0	7.6



#25
Ethyl Acetate
Concen: 0.824 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.010 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

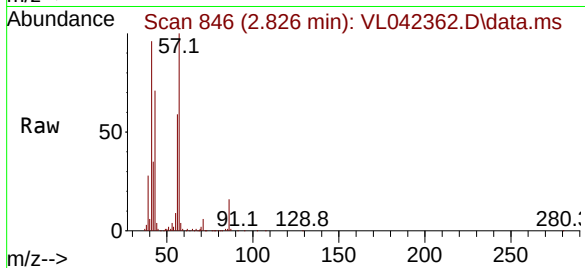
Tgt Ion:	43	Resp:	40663
Ion	Ratio	Lower	Upper
43	100		
45	2.8	8.3	12.5#
61	1.1	7.3	10.9#
70	3.0	7.0	10.6#



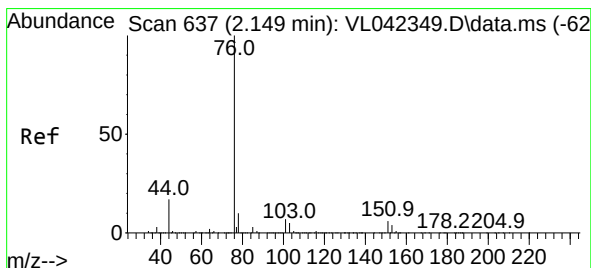
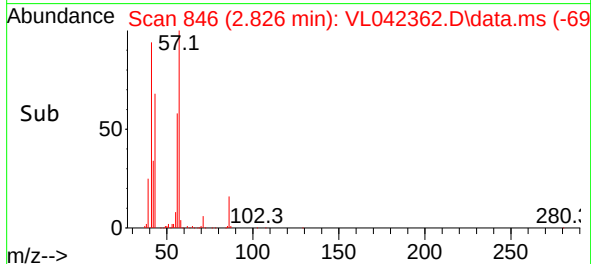
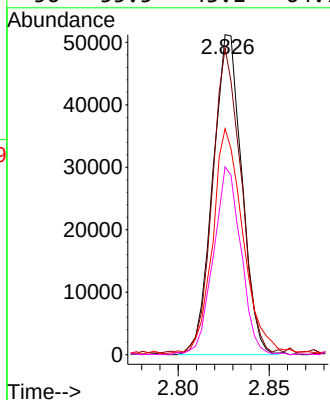


#26
Hexane
Concen: 2.850 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025DUP

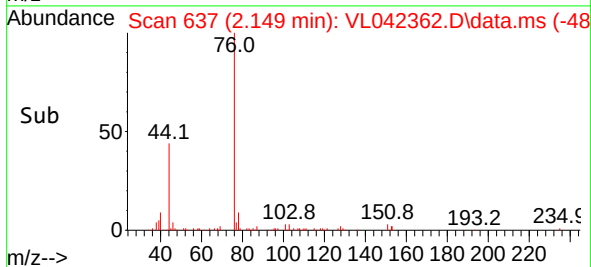
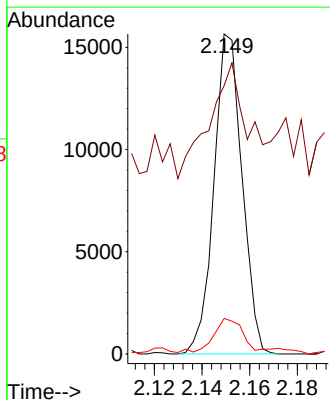
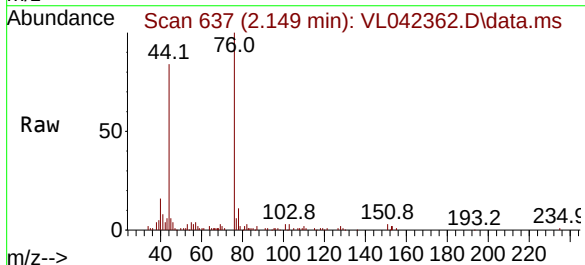


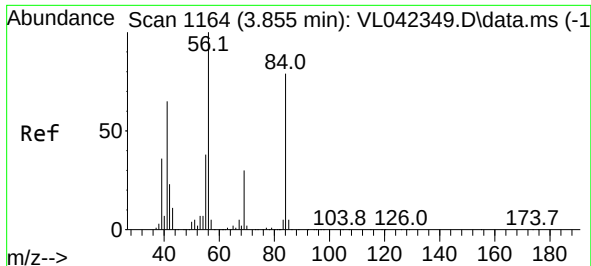
Tgt Ion:	57	Resp:	56908
Ion	Ratio	Lower	Upper
57	100		
41	95.3	77.9	116.9
43	75.0	208.4	312.6#
56	55.5	43.1	64.7



#27
Carbon Disulfide
Concen: 0.600 ppbv
RT: 2.149 min Scan# 637
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion:	76	Resp:	12830
Ion	Ratio	Lower	Upper
76	100		
44	218.5	15.5	23.3#
78	15.2	9.3	13.9#

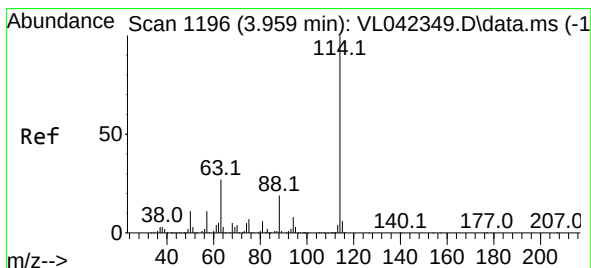
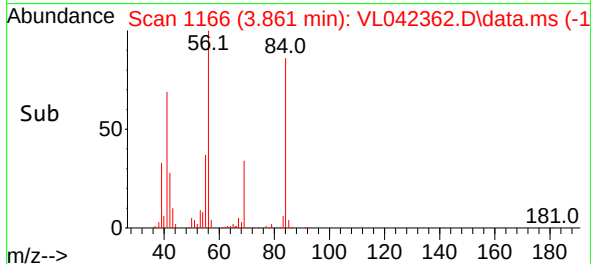
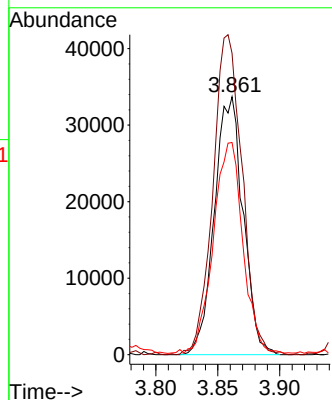
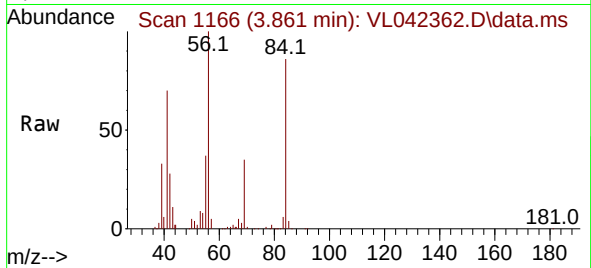




#30
Cyclohexane
Concen: 3.382 ppbv
RT: 3.861 min Scan# 1166
Delta R.T. 0.006 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

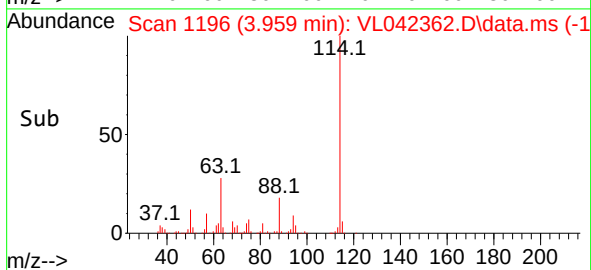
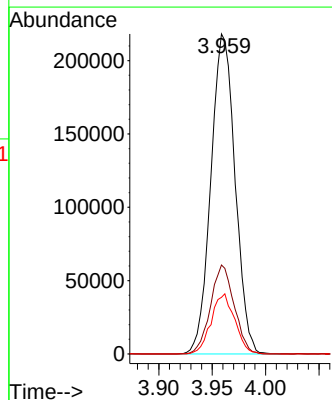
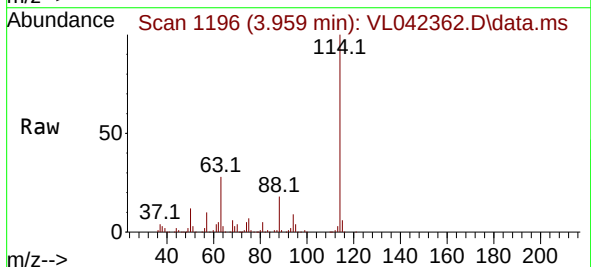
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025DUP

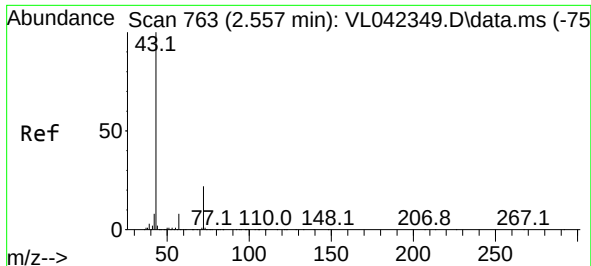
Tgt Ion: 84 Resp: 54578
Ion Ratio Lower Upper
84 100
56 125.7 101.0 151.4
41 83.8 67.4 101.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 114 Resp: 344143
Ion Ratio Lower Upper
114 100
63 27.2 21.8 32.6
88 18.4 15.5 23.3

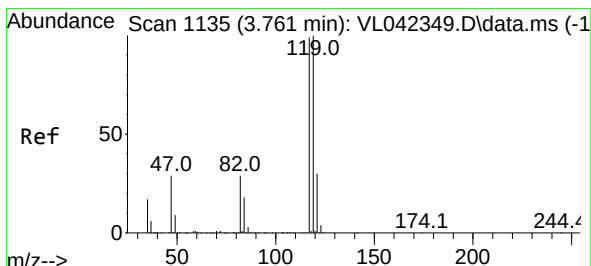
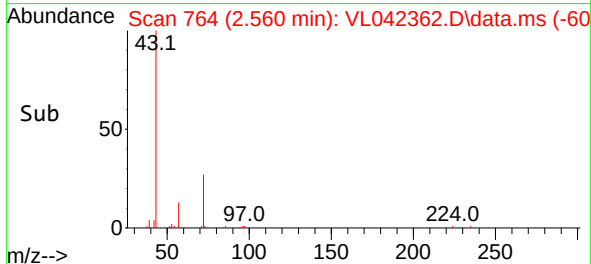
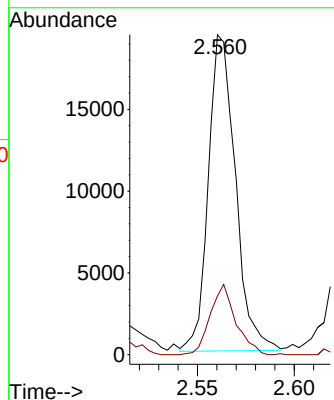
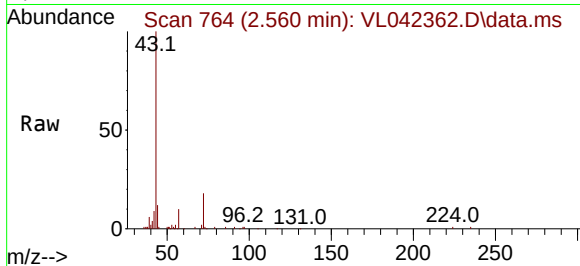




#34
2-Butanone
Concen: 0.693 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

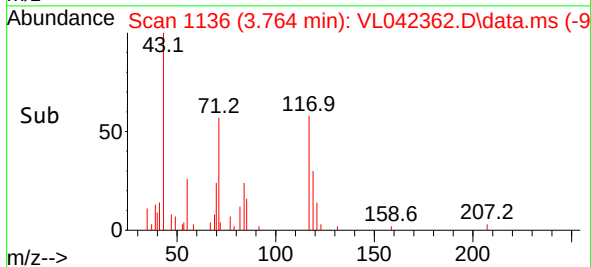
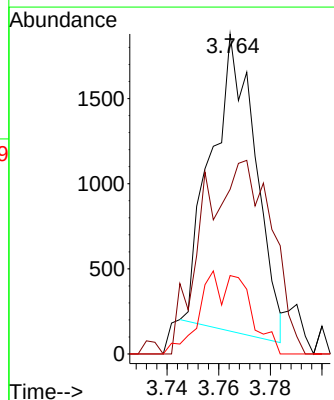
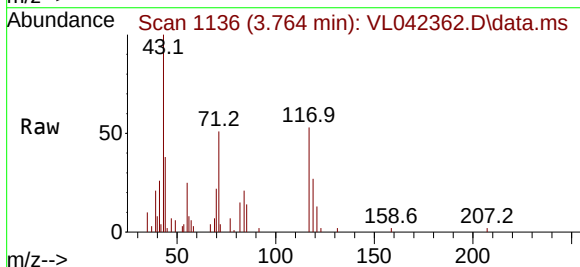
Instrument :
MSVOA_1
ClientSampleId :
IA-B1-4-3252025DUP

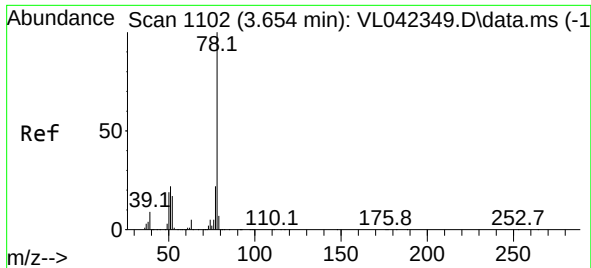
Tgt Ion: 43 Resp: 18869
Ion Ratio Lower Upper
43 100
72 21.0 18.2 27.2



#35
Carbon Tetrachloride
Concen: 0.067 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. 0.003 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 117 Resp: 2082
Ion Ratio Lower Upper
117 100
119 33.0 80.5 120.7#
121 27.5 24.2 36.2

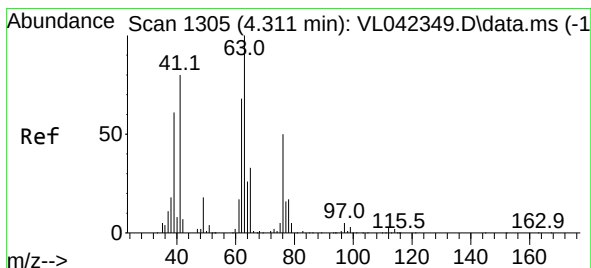
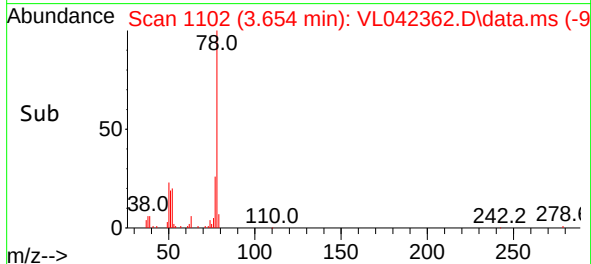
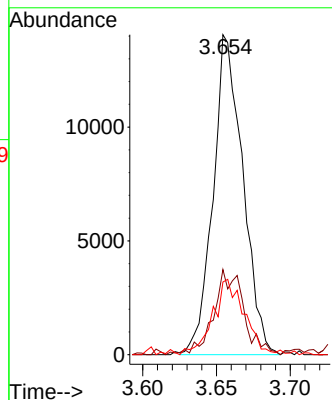
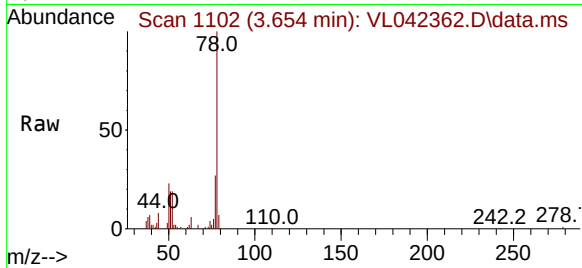




#36
Benzene
Concen: 0.532 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

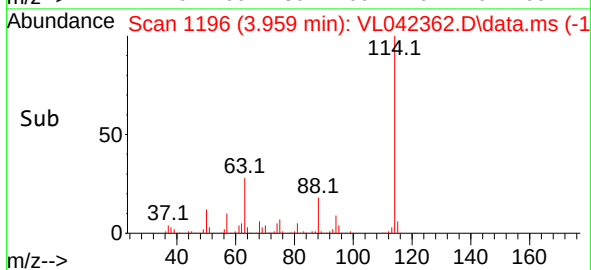
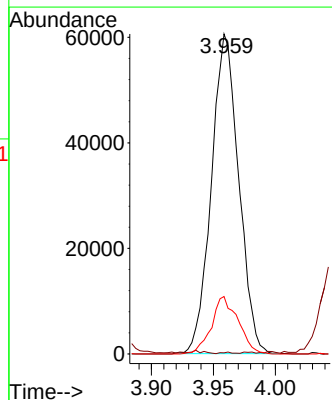
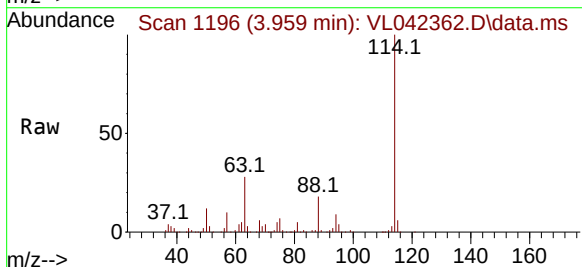
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025DUP

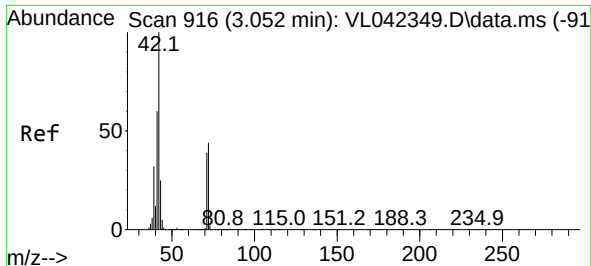
Tgt Ion: 78 Resp: 19730
Ion Ratio Lower Upper
78 100
77 26.6 17.4 26.0#
50 22.7 15.5 23.3



#39
1,2-Dichloropropane
Concen: 6.732 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 63 Resp: 93126
Ion Ratio Lower Upper
63 100
41 0.1 64.2 96.2#
62 18.0 54.3 81.5#

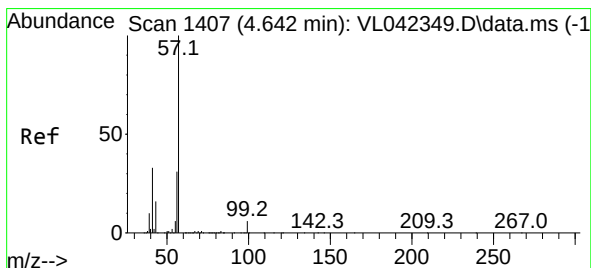
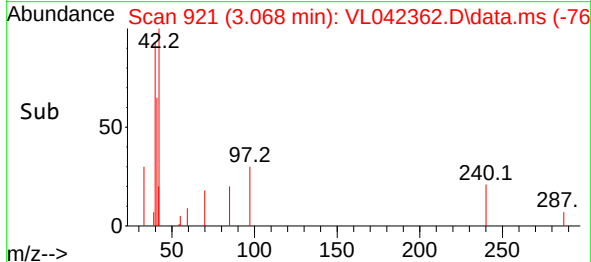
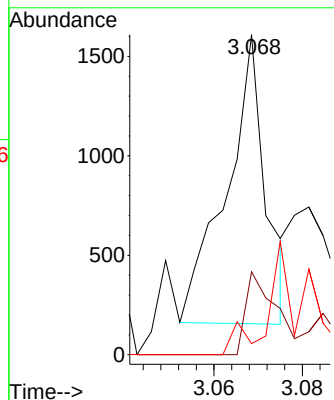
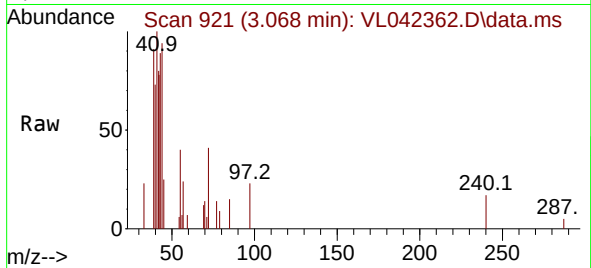




#41
Tetrahydrofuran
Concen: 0.056 ppbv
RT: 3.068 min Scan# 916
Delta R.T. 0.016 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

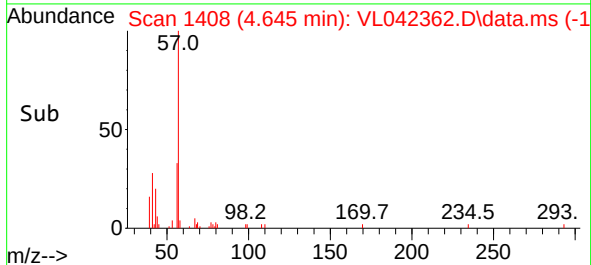
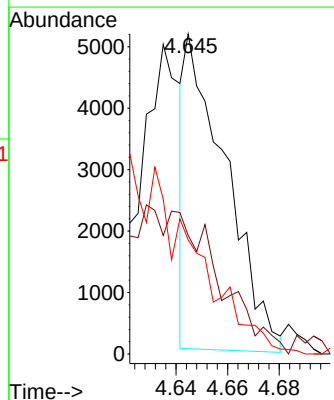
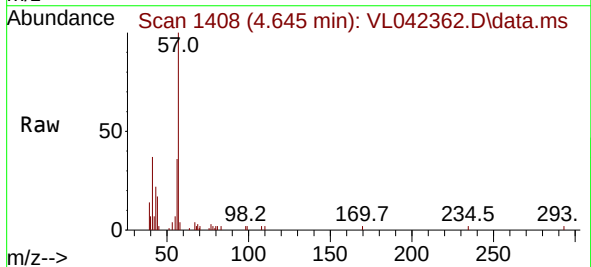
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025DUP

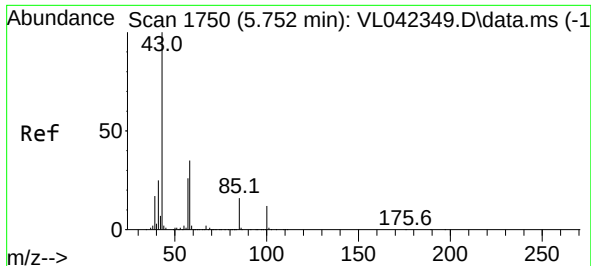
Tgt Ion: 42 Resp: 892
Ion Ratio Lower Upper
42 100
72 31.4 32.3 48.5#
71 0.0 31.4 47.2#



#44
2,2,4-Trimethylpentane
Concen: 0.088 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 57 Resp: 5625
Ion Ratio Lower Upper
57 100
41 0.0 27.2 40.8#
56 0.0 25.7 38.5#

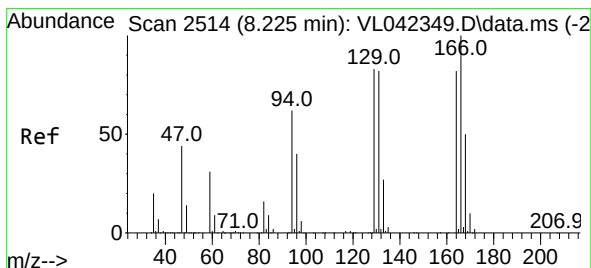
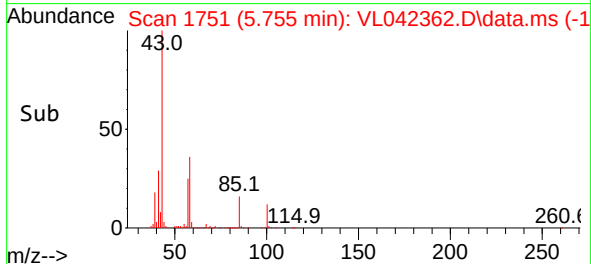
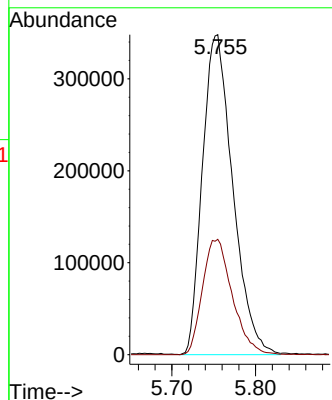
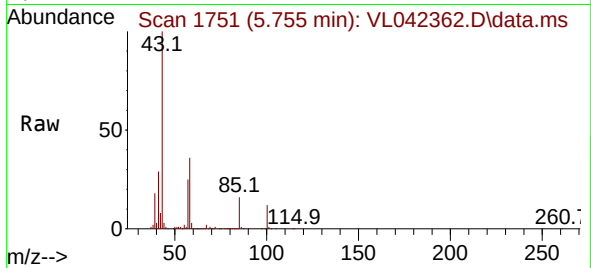




#50
4-Methyl-2-Pentanone
Concen: 19.389 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.003 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

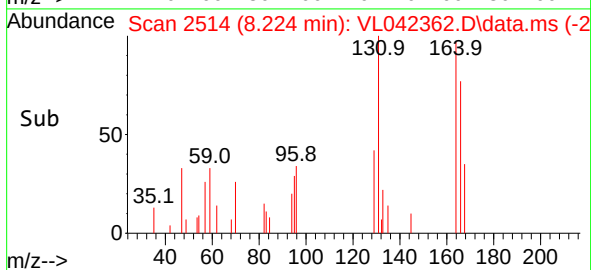
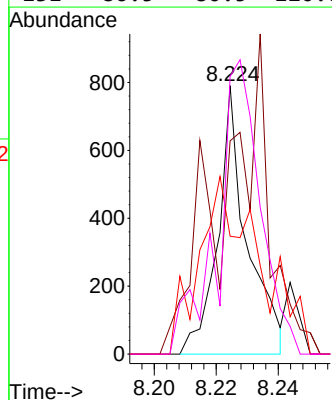
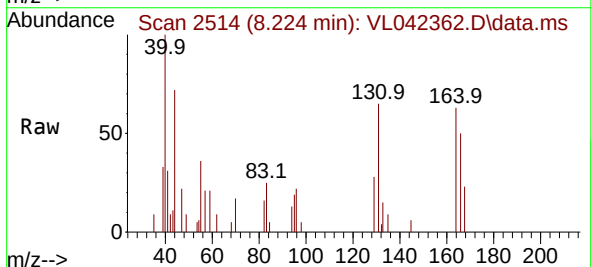
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025DUP

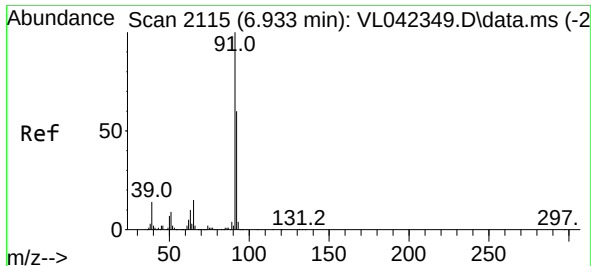
Tgt Ion: 43 Resp: 876965
Ion Ratio Lower Upper
43 100
58 35.4 28.6 43.0



#52
Tetrachloroethene
Concen: 0.036 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 164 Resp: 512
Ion Ratio Lower Upper
164 100
166 59.3 98.2 147.2#
129 14.9 81.8 122.8#
131 86.5 80.5 120.7

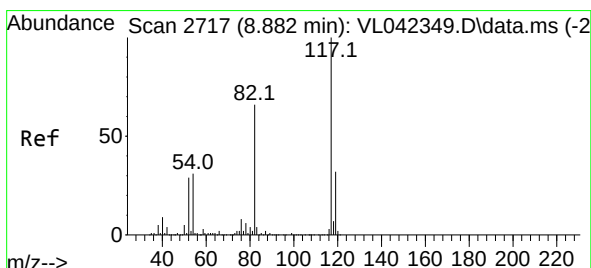
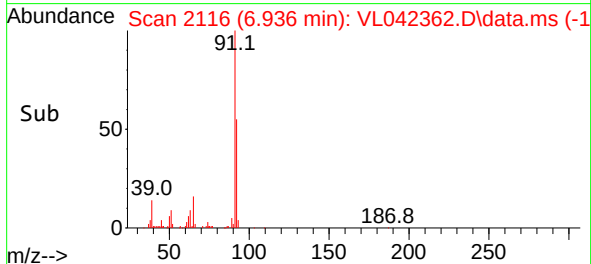
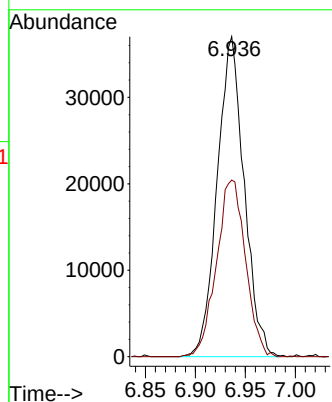
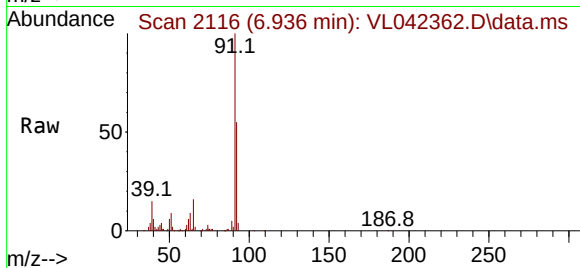




#53
Toluene
Concen: 1.557 ppbv
RT: 6.936 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

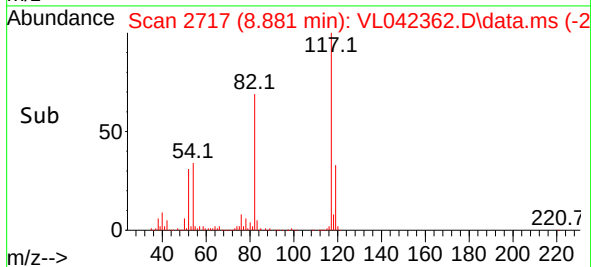
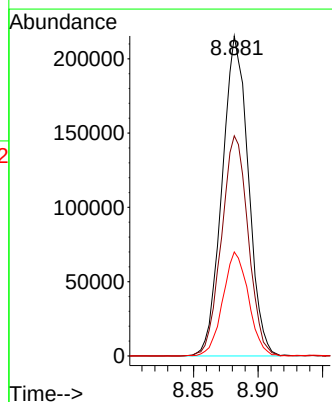
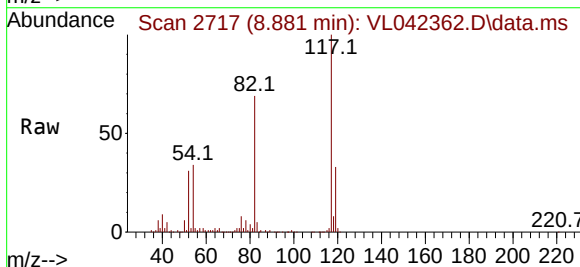
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025DUP

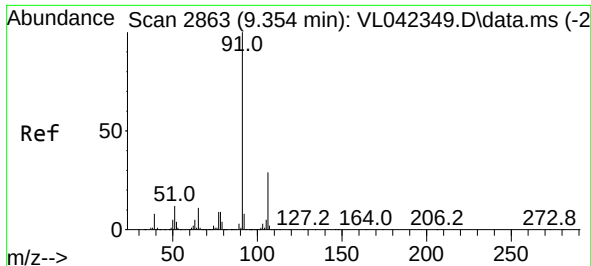
Tgt Ion: 91 Resp: 69352
Ion Ratio Lower Upper
91 100
92 59.6 48.2 72.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 117 Resp: 303859
Ion Ratio Lower Upper
117 100
82 70.0 57.8 86.6
119 31.8 25.2 37.8

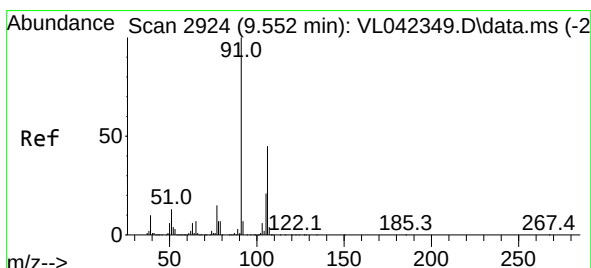
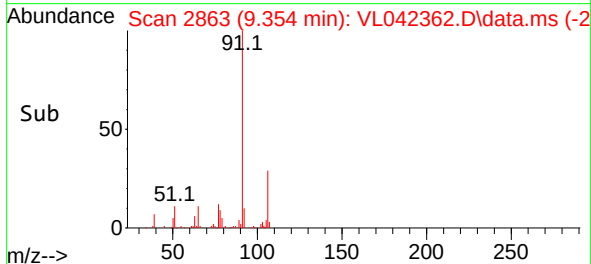
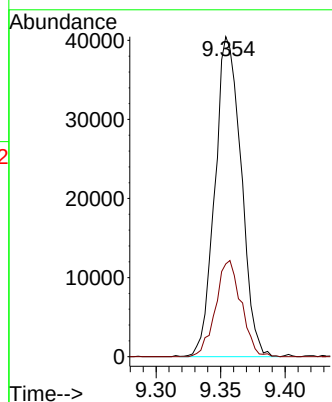
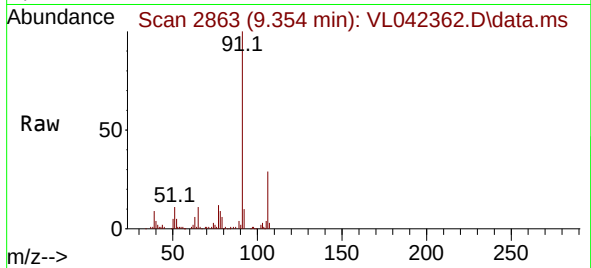




#58
Ethyl Benzene
Concen: 0.948 ppbv
RT: 9.354 min Scan# 218
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

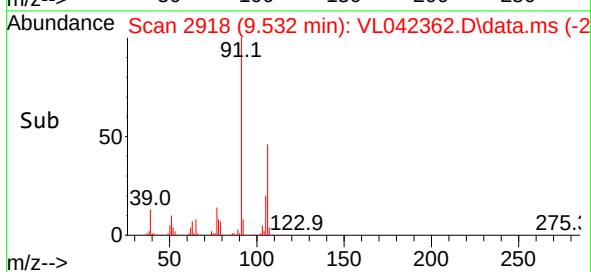
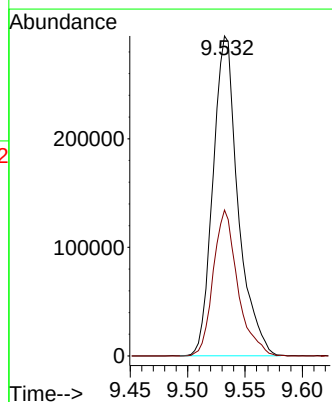
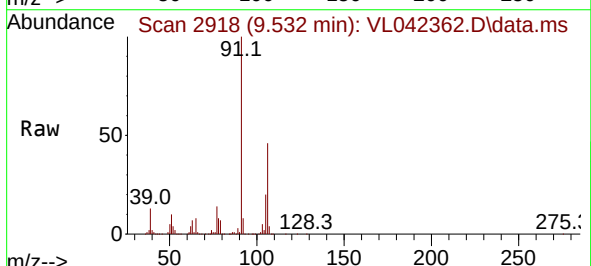
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025DUP

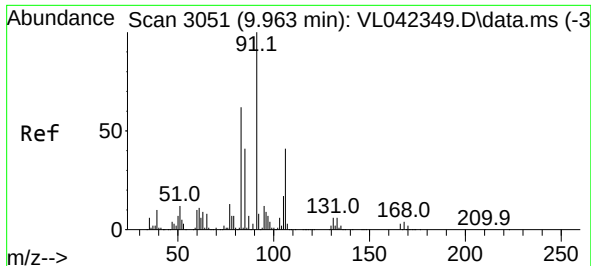
Tgt Ion: 91 Resp: 57094
Ion Ratio Lower Upper
91 100
106 29.0 23.0 34.4



#59
m/p-Xylene
Concen: 9.248 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. -0.019 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 91 Resp: 448533
Ion Ratio Lower Upper
91 100
106 44.6 35.4 53.2

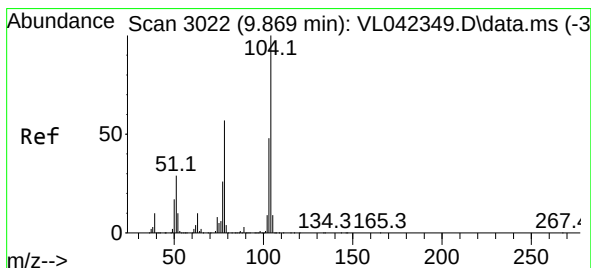
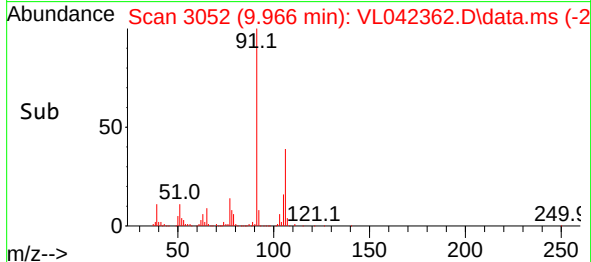
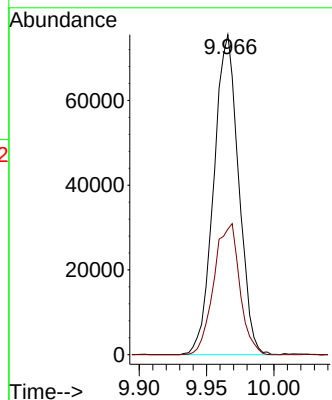
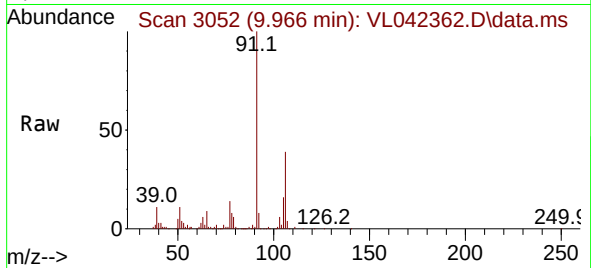




#60
o-Xylene
Concen: 1.983 ppbv
RT: 9.966 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

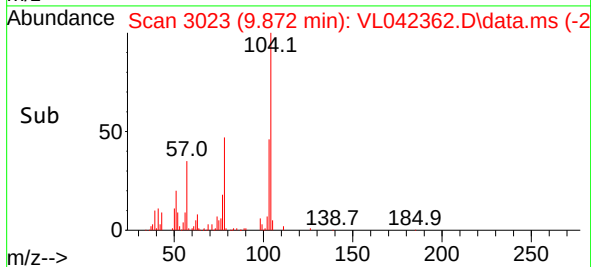
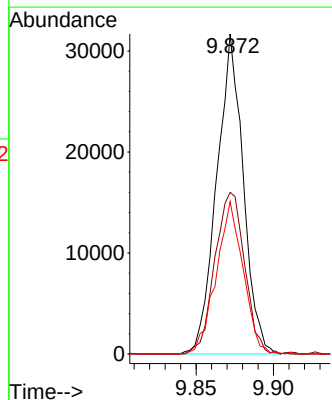
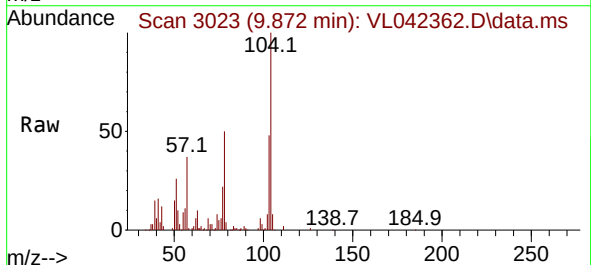
Instrument :
MSVOA_1
ClientSampleId :
IA-B1-4-3252025DUP

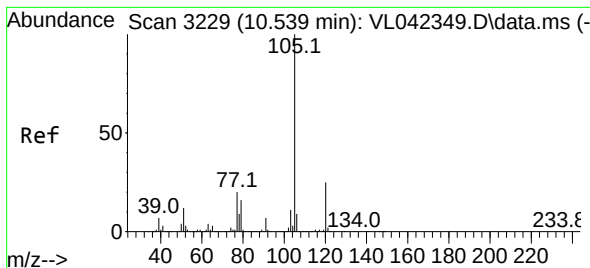
Tgt Ion: 91 Resp: 96845
Ion Ratio Lower Upper
91 100
106 42.5 21.1 63.4



#61
Styrene
Concen: 1.614 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. 0.003 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 104 Resp: 37632
Ion Ratio Lower Upper
104 100
78 57.0 44.6 66.8
103 48.5 37.4 56.0

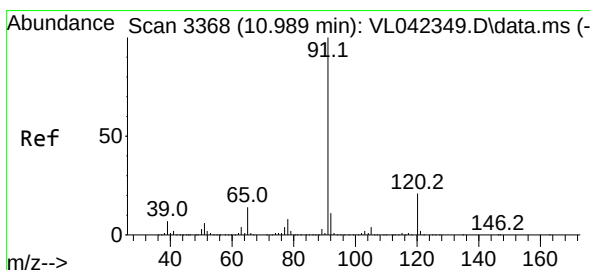
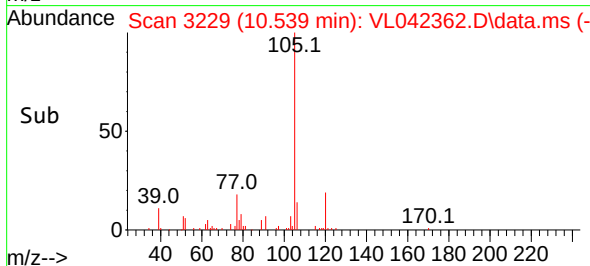
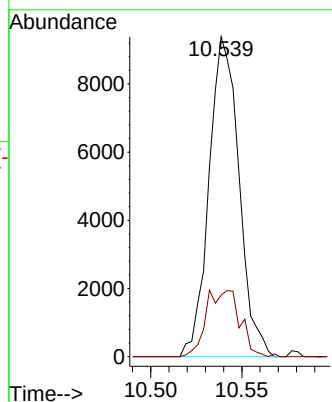
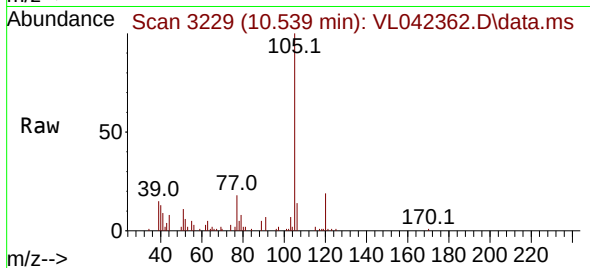




#62
Isopropylbenzene
Concen: 0.150 ppbv
RT: 10.539 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

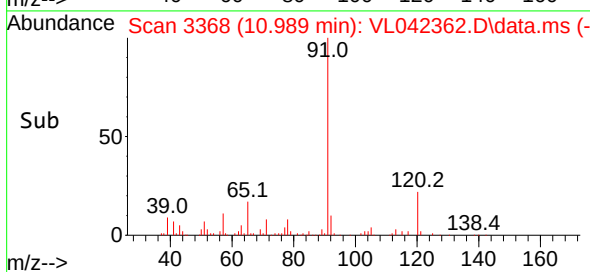
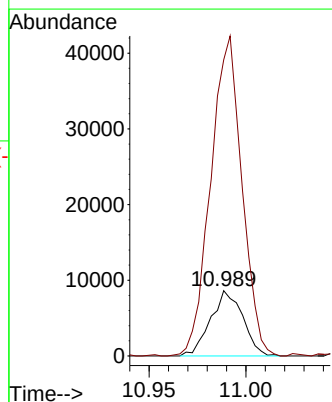
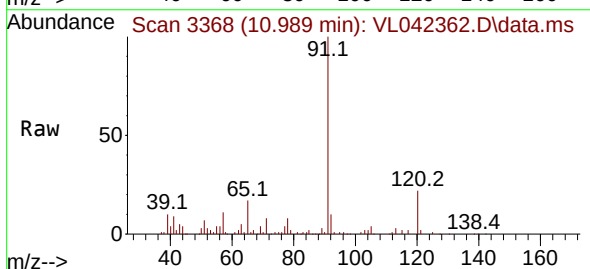
Instrument :
MSVOA_1
ClientSampleId :
IA-B1-4-3252025DUP

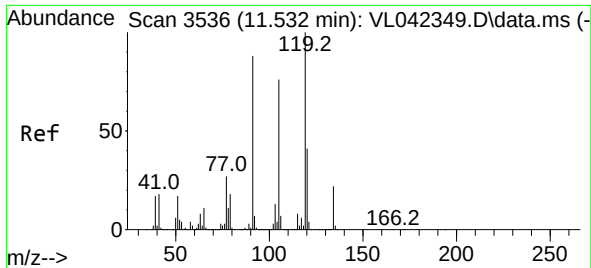
Tgt Ion:105 Resp: 10762
Ion Ratio Lower Upper
105 100
120 23.5 19.8 29.8



#64
n-propylbenzene
Concen: 0.553 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion:120 Resp: 9965
Ion Ratio Lower Upper
120 100
91 477.7 392.4 588.6

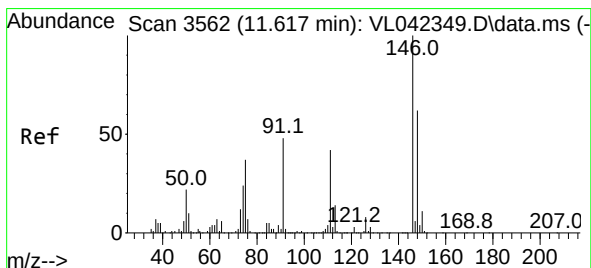
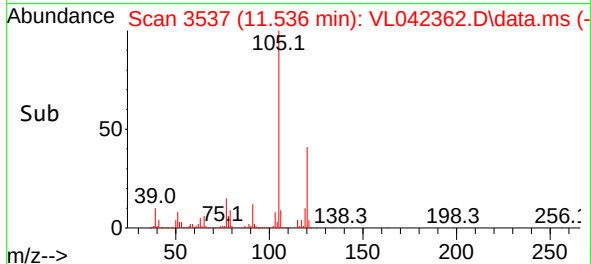
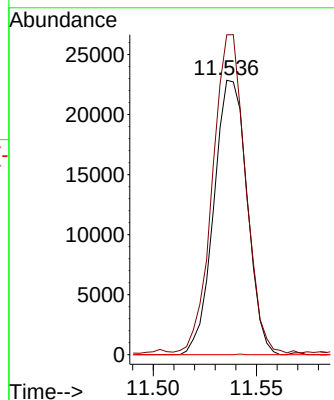
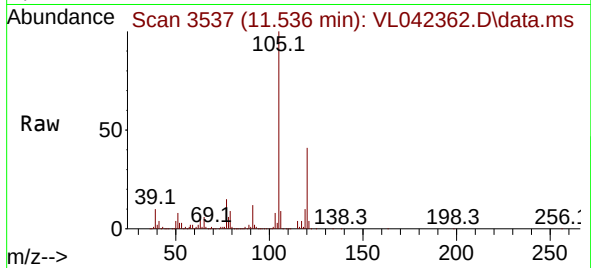




#65
tert-Butylbenzene
Concen: 0.389 ppbv
RT: 11.536 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

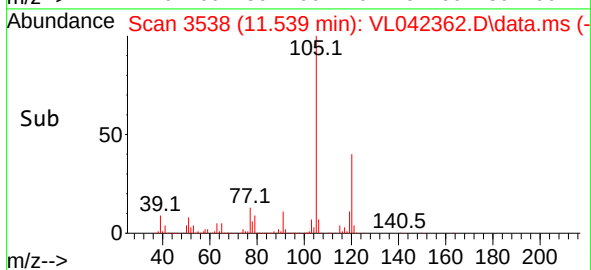
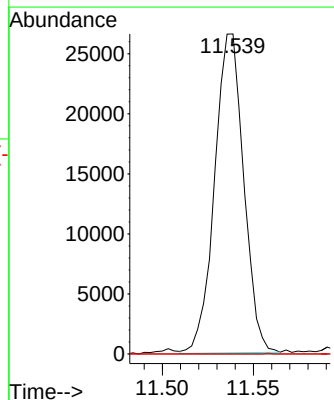
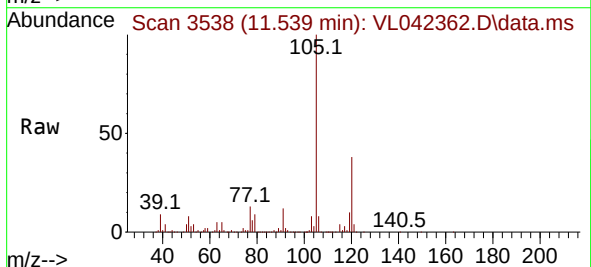
Instrument :
MSVOA_L
ClientSampleId :
IA-B1-4-3252025DUP

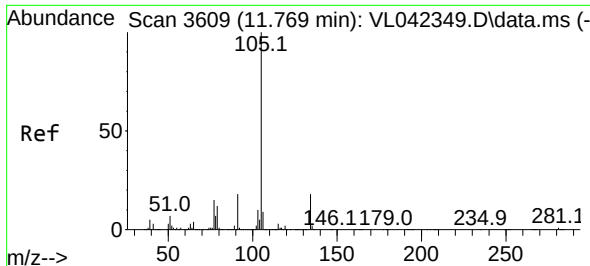
Tgt Ion:119 Resp: 25638
Ion Ratio Lower Upper
119 100
91 120.2 74.6 111.8#
134 0.0 18.8 28.2#



#66
Benzyl Chloride
Concen: 4.075 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.078 min
Lab File: VL042362.D
Acq: 17 Apr 2025 17:51

Tgt Ion: 91 Resp: 29513
Ion Ratio Lower Upper
91 100
126 0.1 11.8 17.6#
128 0.0 4.5 6.7#

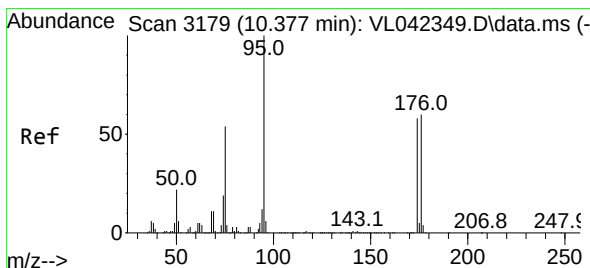
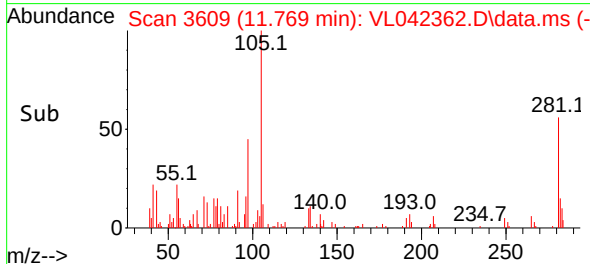
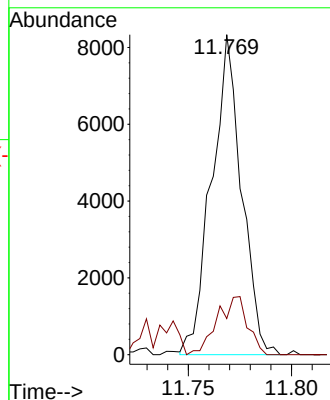
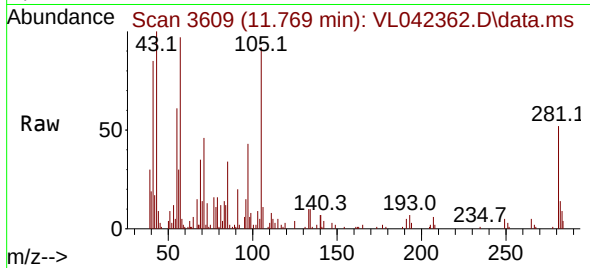




#67
 sec-Butylbenzene
 Concen: 0.092 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL042362.D
 Acq: 17 Apr 2025 17:51

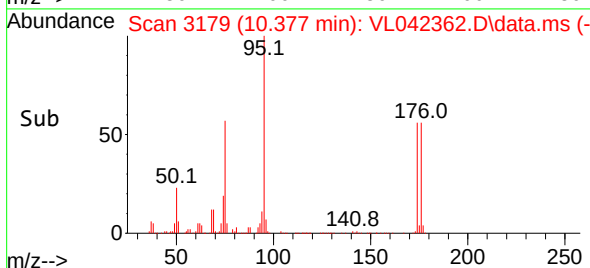
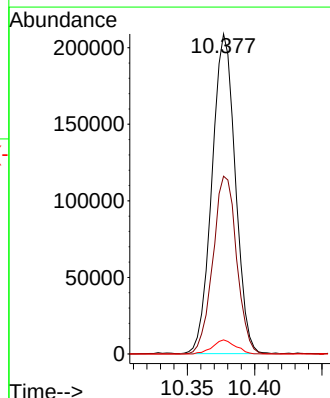
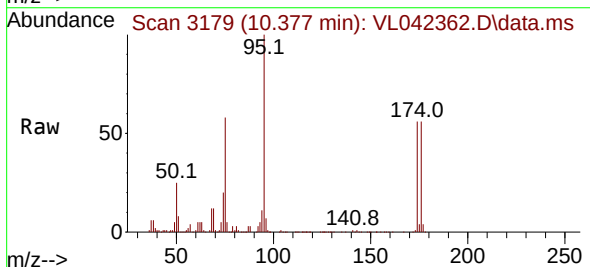
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-4-3252025DUP

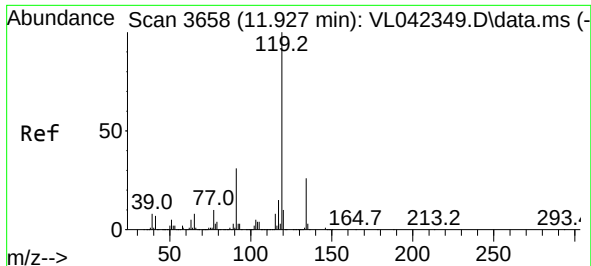
Tgt Ion:105 Resp: 8403
 Ion Ratio Lower Upper
 105 100
 134 29.0 14.6 21.8#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.067 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.000 min
 Lab File: VL042362.D
 Acq: 17 Apr 2025 17:51

Tgt Ion: 95 Resp: 251359
 Ion Ratio Lower Upper
 95 100
 174 56.6 48.5 72.7
 175 4.3 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.160 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. -0.000 min

Lab File: VL042362.D

Acq: 17 Apr 2025 17:51

Instrument :

MSVOA_L

ClientSampleId :

IA-B1-4-3252025DUP

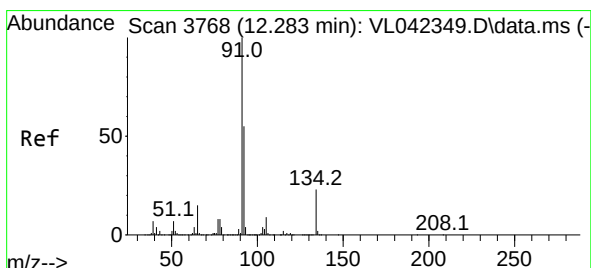
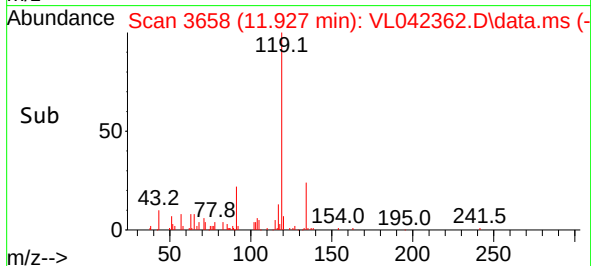
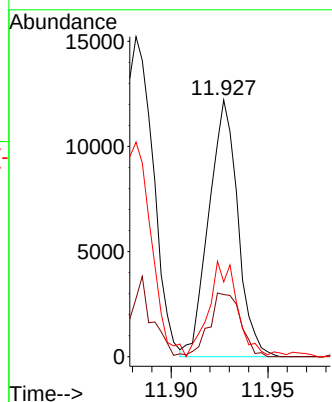
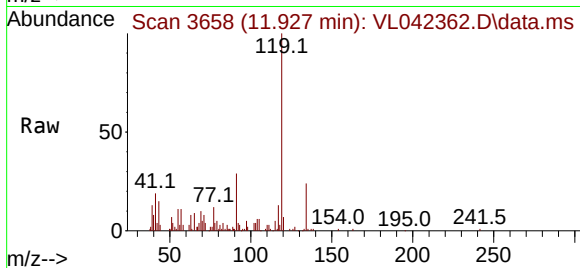
Tgt Ion:119 Resp: 12725

Ion Ratio Lower Upper

119 100

134 26.7 20.0 30.0

91 35.9 24.4 36.6



#70

n-Butylbenzene

Concen: 0.353 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.000 min

Lab File: VL042362.D

Acq: 17 Apr 2025 17:51

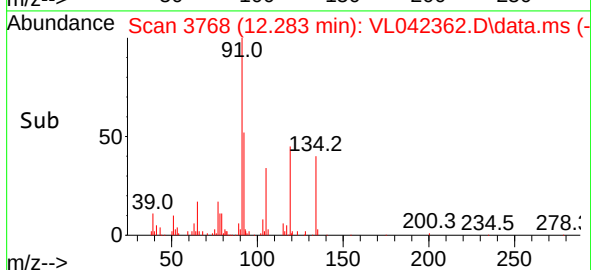
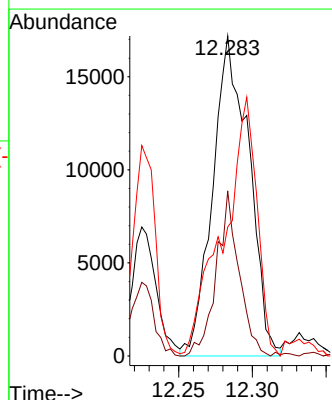
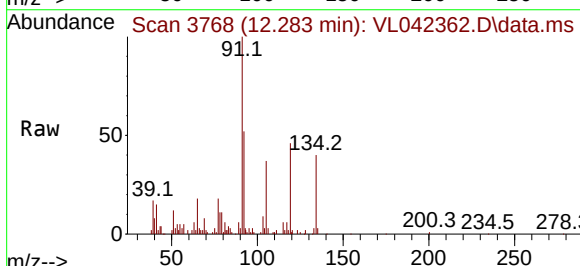
Tgt Ion: 91 Resp: 29311

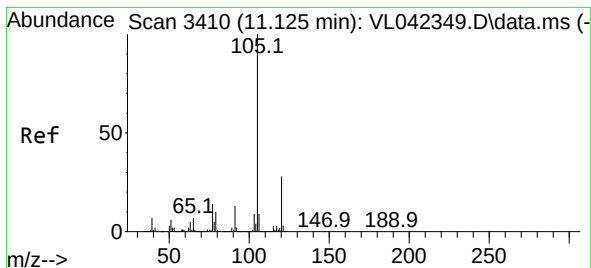
Ion Ratio Lower Upper

91 100

92 32.6 44.2 66.4#

134 78.8 18.2 27.4#





#72

4-Ethyltoluene

Concen: 1.088 ppbv

RT: 11.124 min Scan# 3410

Delta R.T. -0.000 min

Lab File: VL042362.D

Acq: 17 Apr 2025 17:51

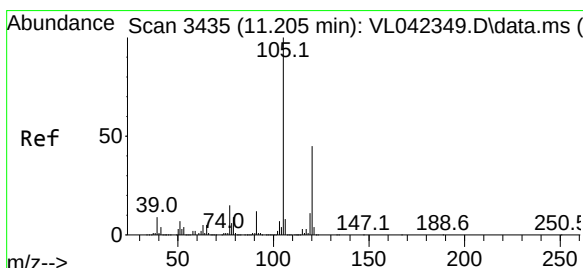
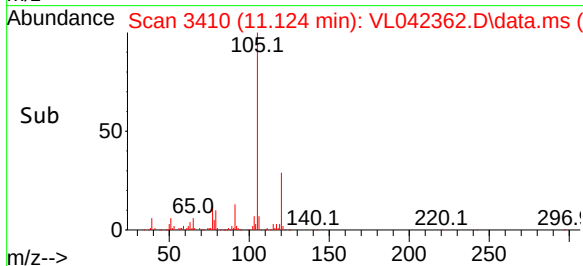
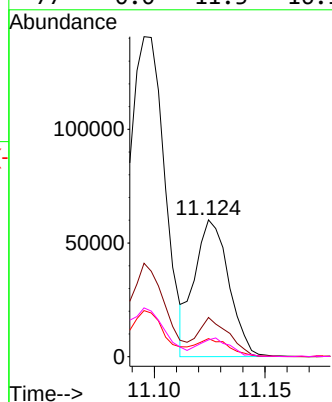
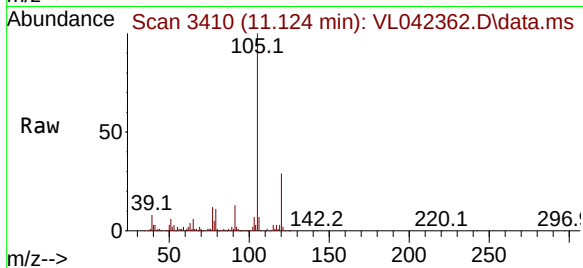
Instrument :

MSVOA_L

ClientSampleId :

IA-B1-4-3252025DUP

Tgt Ion:	105	Resp:	64934
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: 1.336 ppbv

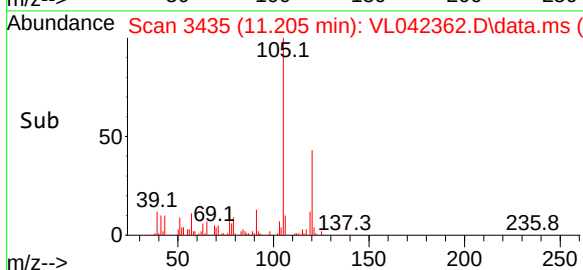
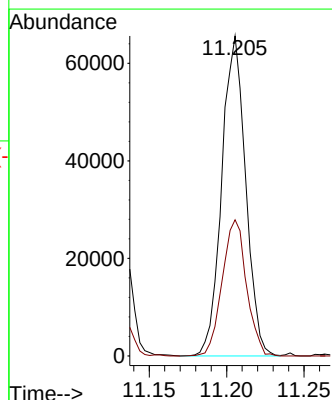
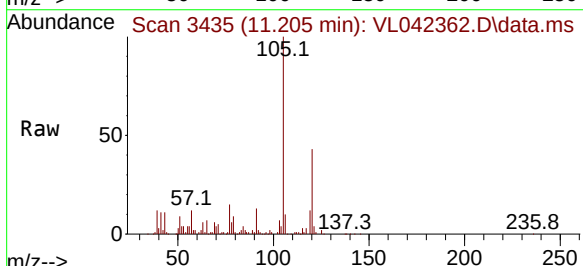
RT: 11.205 min Scan# 3435

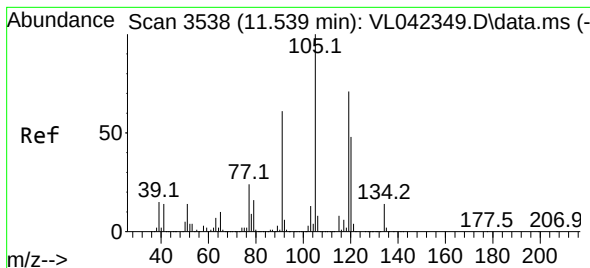
Delta R.T. -0.000 min

Lab File: VL042362.D

Acq: 17 Apr 2025 17:51

Tgt Ion:	105	Resp:	70431
Ion	Ratio	Lower	Upper
105	100		
120	42.6	35.6	53.4





#74

1,2,4-Trimethylbenzene

Concen: 3.931 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL042362.D

Acq: 17 Apr 2025 17:51

Instrument :

MSVOA_L

ClientSampleId :

IA-B1-4-3252025DUP

Tgt Ion:105 Resp: 242011

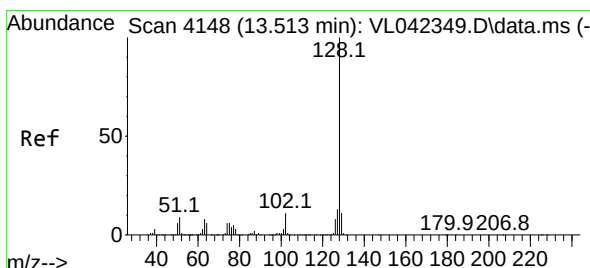
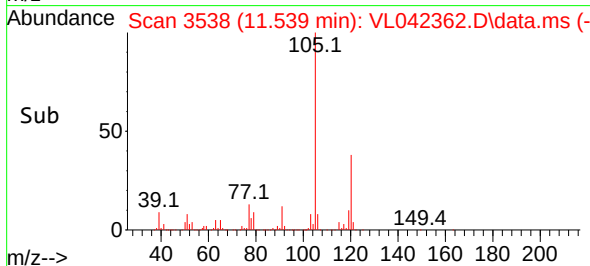
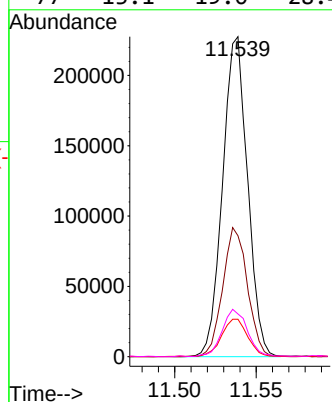
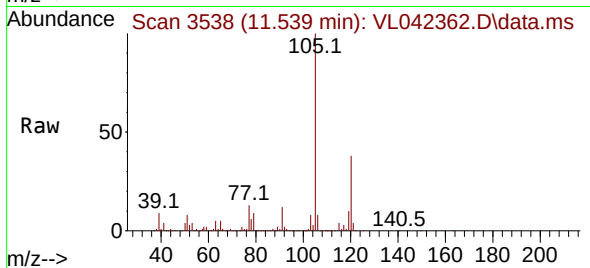
Ion Ratio Lower Upper

105 100

120 37.8 38.1 57.1#

91 11.6 48.8 73.2#

77 13.1 19.0 28.4#



#79

Naphthalene

Concen: 0.626 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. -0.000 min

Lab File: VL042362.D

Acq: 17 Apr 2025 17:51

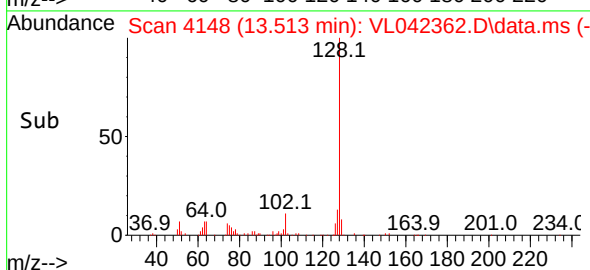
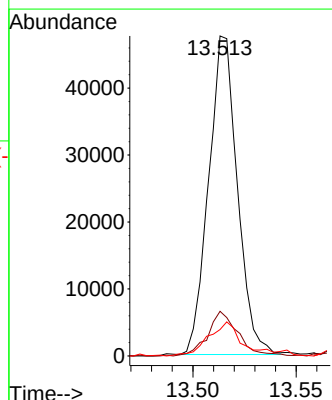
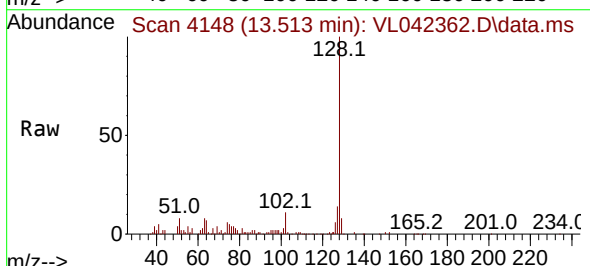
Tgt Ion:128 Resp: 46070

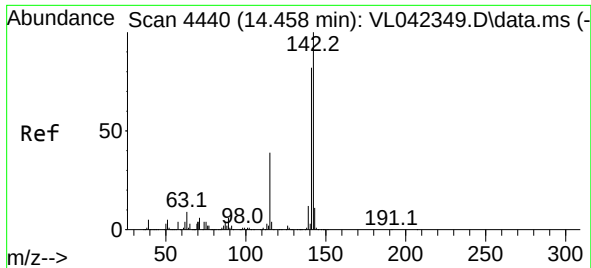
Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

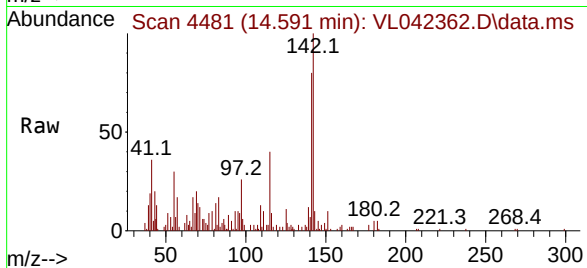
129 7.6 8.6 12.8#





#80
 Naphthalene, 2-methyl-
 Concen: 0.193 ppbv
 RT: 14.591 min Scan# 44
 Delta R.T. 0.133 min
 Lab File: VL042362.D
 Acq: 17 Apr 2025 17:51

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B1-4-3252025DUP



Tgt Ion:	142	Resp:	8081
Ion	Ratio	Lower	Upper
142	100		
141	86.3	66.8	100.2
115	42.8	33.4	50.2

