

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
 Data File : VL041962.D
 Acq On : 03 Feb 2025 13:57
 Operator : SY/MD
 Sample : Q1222-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 04 02:35:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	159297	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	441984	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	404852	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	312689	9.806	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2951	0.136	ppbv #	79
3) Chlorodifluoromethane	1.602	51	1198	0.053	ppbv	94
4) Chloromethane	1.534	50	1179	0.144	ppbv	96
7) Chloroethane	1.709	64	134	0.042	ppbv #	28
9) Propene	1.486	41	30351	3.241	ppbv	89
10) Heptane	5.001	43	3244	0.130	ppbv #	1
11) Trichlorofluoromethane	1.881	101	2068	0.092	ppbv	85
13) Ethanol	1.725	45	107420	156.617	ppbv	87
15) Acetone	1.839	43	39507	2.065	ppbv	99
16) 1,3-Butadiene	1.602	39	7659	0.892	ppbv #	36
17) tert-Butyl alcohol	1.890	59	4452	0.189	ppbv	96
19) Isopropyl Alcohol	1.890	45	108933	9.602	ppbv #	34
20) Methylene Chloride	2.065	84	11774	1.557	ppbv #	78
22) trans-1,2-Dichloroethene	2.340	96	310	0.034	ppbv #	17
23) Vinyl Acetate	2.479	43	9132	0.963	ppbv #	34
25) Ethyl Acetate	2.832	43	56770	1.100	ppbv #	82
26) Hexane	2.832	57	67384	3.302	ppbv #	39
27) Carbon Disulfide	2.153	76	21096	1.045	ppbv #	1
29) Chloroform	2.855	83	3627	0.112	ppbv #	83
30) Cyclohexane	3.861	84	763	0.043	ppbv #	1
34) 2-Butanone	2.570	43	8793	0.313	ppbv	94
36) Benzene	3.667	78	8790	0.217	ppbv #	95
39) 1,2-Dichloropropane	3.968	63	106278	7.474	ppbv #	23
41) Tetrahydrofuran	3.078	42	1383	0.091	ppbv #	64
51) 2-Hexanone	7.441	43	5163	0.175	ppbv #	27
52) Tetrachloroethene	8.234	164	32706	2.327	ppbv	93
53) Toluene	6.949	91	14795	0.335	ppbv	94
57) Chlorobenzene	8.872	112	4075	0.109	ppbv #	43
58) Ethyl Benzene	9.364	91	10216	0.161	ppbv	89
59) m/p-Xylene	9.561	91	2637	0.052	ppbv #	31
61) Styrene	9.878	104	908	0.040	ppbv #	1
62) Isopropylbenzene	10.545	105	14191	0.182	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	9.953	83	5810	0.181	ppbv #	25
64) n-propylbenzene	11.002	120	1475	0.075	ppbv #	1
65) tert-Butylbenzene	11.892	119	5450	0.077	ppbv	90
66) Benzyl Chloride	11.623	91	264	0.060	ppbv #	1
69) p-Isopropyltoluene	11.930	119	4790	0.060	ppbv #	84
71) 2-Chlorotoluene	11.286	91	13511	0.234	ppbv	90
72) 4-Ethyltoluene	11.134	105	6727	0.112	ppbv #	8
73) 1,3,5-Trimethylbenzene	11.209	105	9214	0.173	ppbv #	85
74) 1,2,4-Trimethylbenzene	11.542	105	14454	0.251	ppbv #	49
78) Hexachloro-1,3-Butadiene	13.646	225	21638	0.780	ppbv	95
79) Naphthalene	13.118	128	92407	1.594	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041962.D
Acq On : 03 Feb 2025 13:57
Operator : SY/MD
Sample : Q1222-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

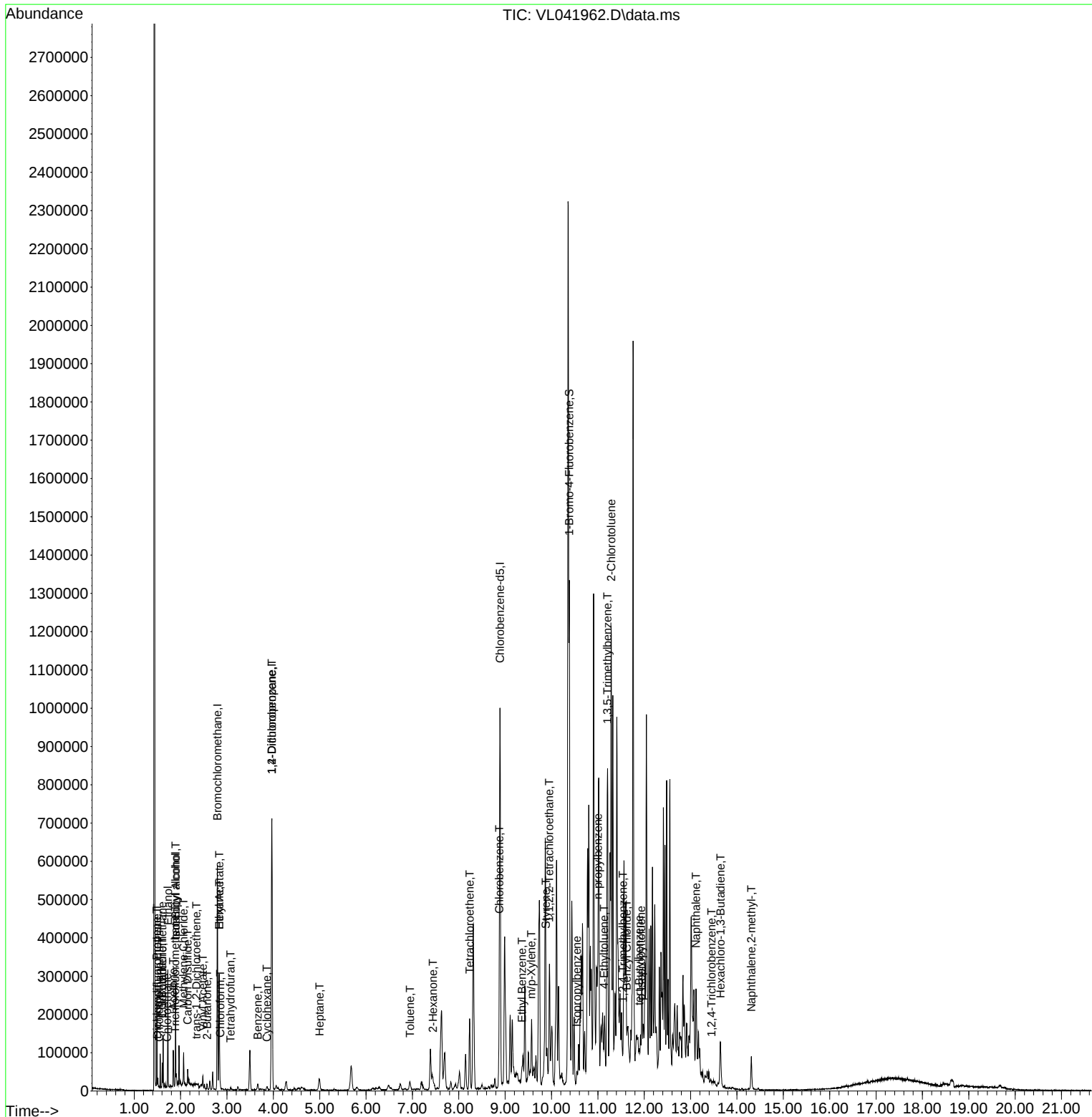
Instrument :
MSVOA_L
ClientSampleId :

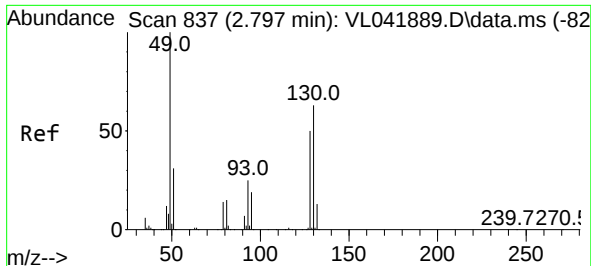
Quant Time: Feb 04 02:35:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	14.309	142	40382	1.469	ppbv	96
81) 1,2,4-Trichlorobenzene	13.448	180	1014	0.036	ppbv #	12

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

Quant Time: Feb 04 02:35:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

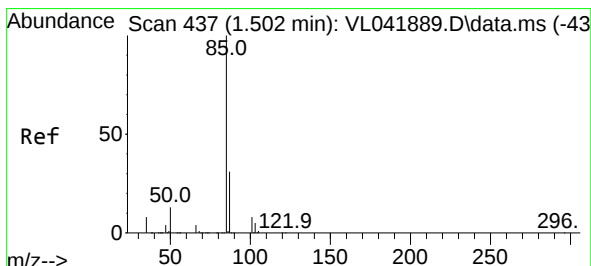
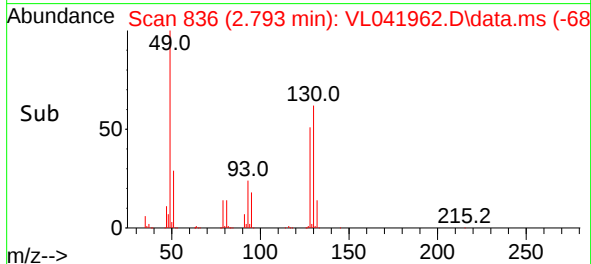
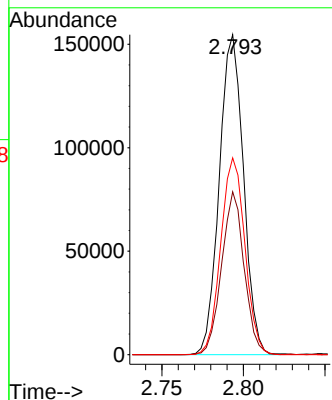
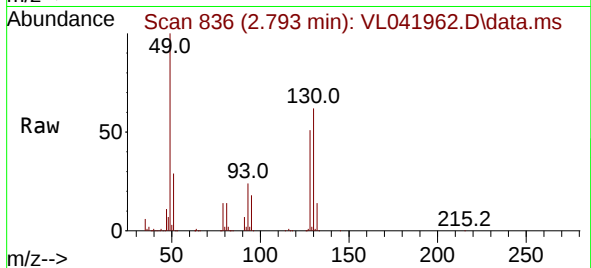




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

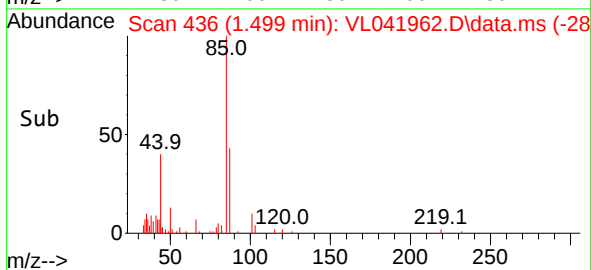
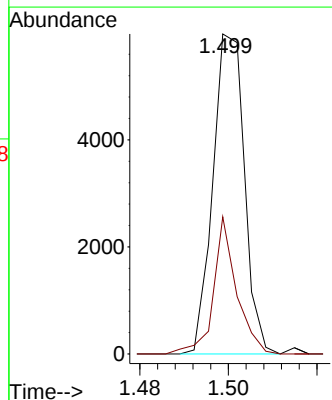
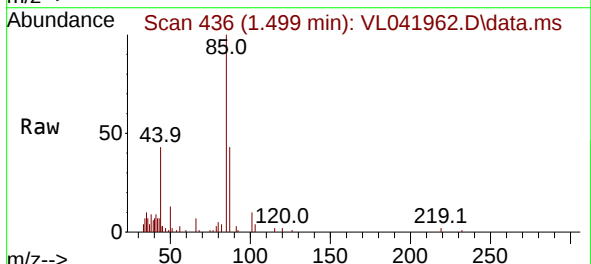
Instrument :
MSVOA_L
ClientSampleId :

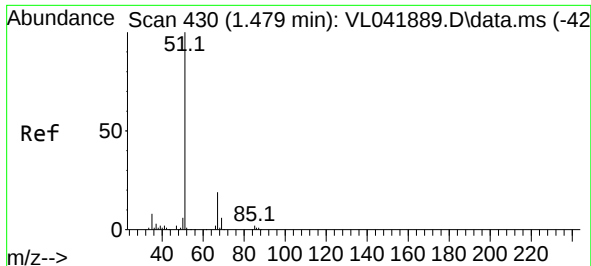
Tgt Ion: 49 Resp: 159297
Ion Ratio Lower Upper
49 100
128 47.7 24.3 73.0
130 61.4 31.1 93.2



#2
Dichlorodifluoromethane
Concen: 0.136 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion: 85 Resp: 2951
Ion Ratio Lower Upper
85 100
87 42.8 24.9 37.3#

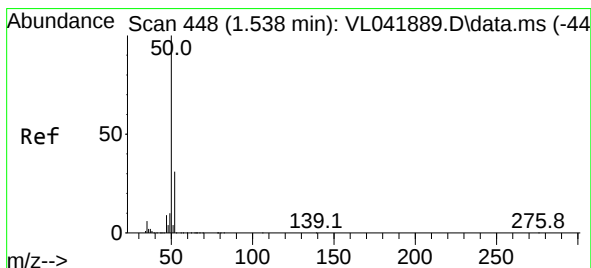
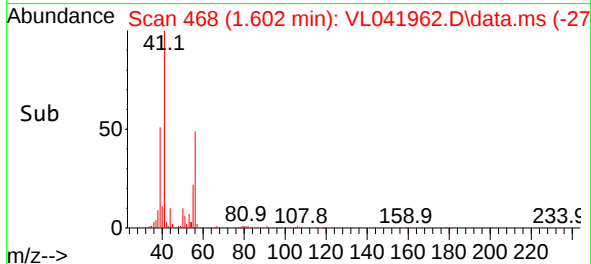
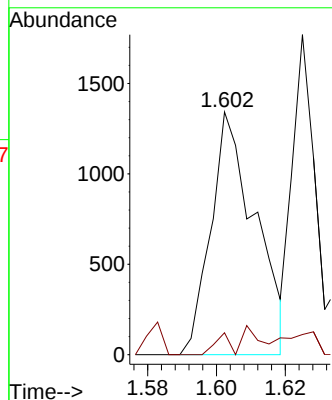
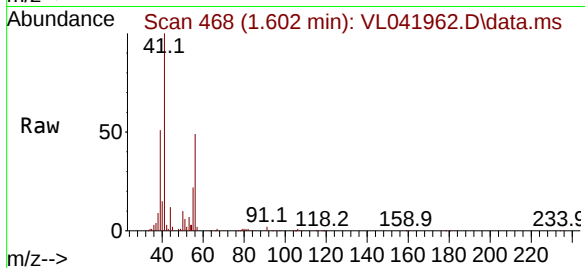




#3
Chlorodifluoromethane
Concen: 0.053 ppbv
RT: 1.602 min Scan# 41
Delta R.T. 0.123 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

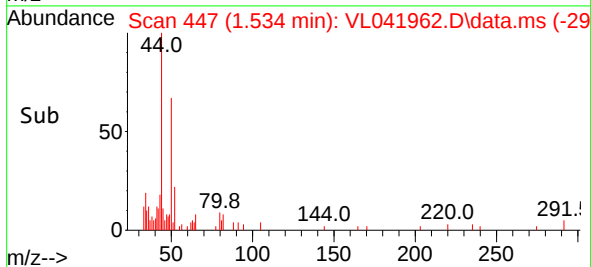
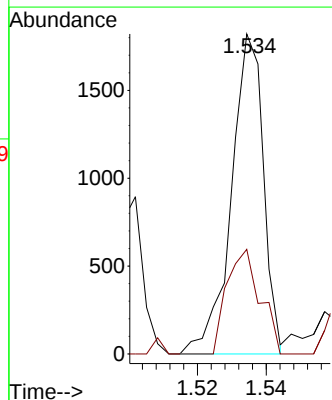
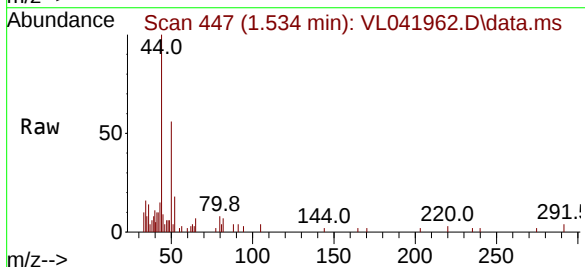
Instrument :
MSVOA_L
ClientSampleId :

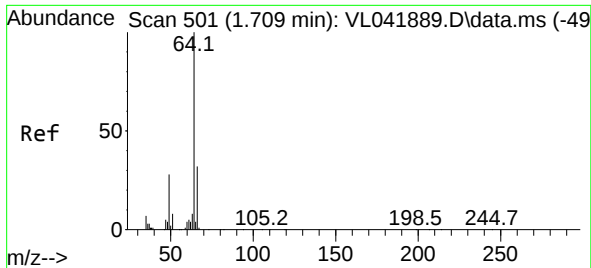
Tgt Ion: 51 Resp: 1198
Ion Ratio Lower Upper
51 100
67 15.9 15.0 22.4



#4
Chloromethane
Concen: 0.144 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion: 50 Resp: 1179
Ion Ratio Lower Upper
50 100
52 32.7 24.6 36.8

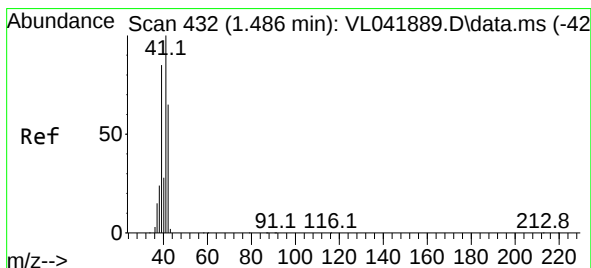
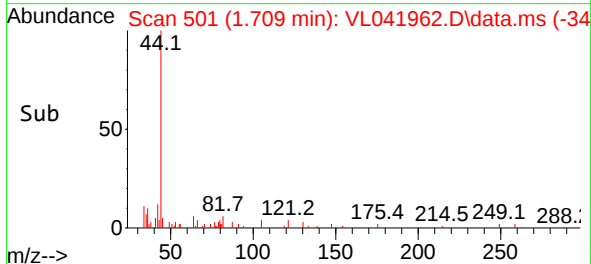
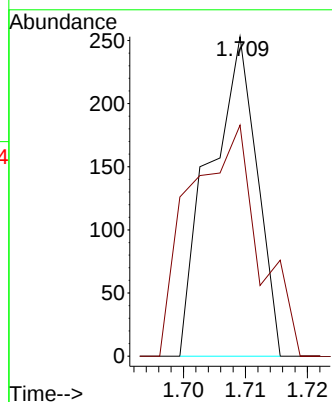
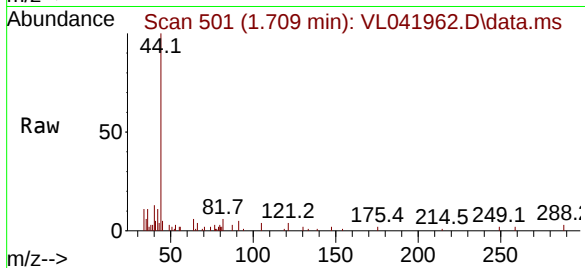




#7
Chloroethane
Concen: 0.042 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

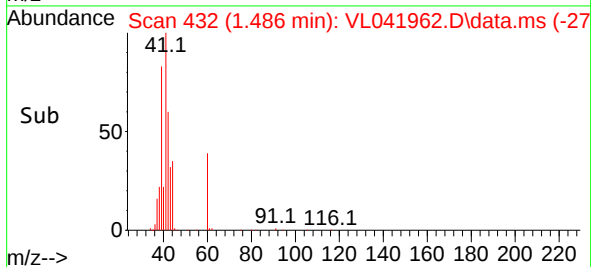
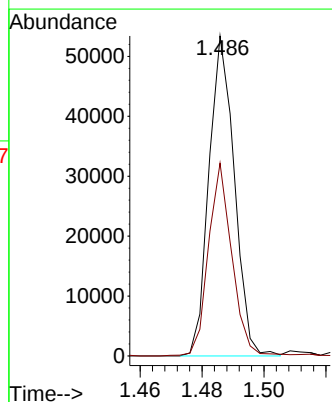
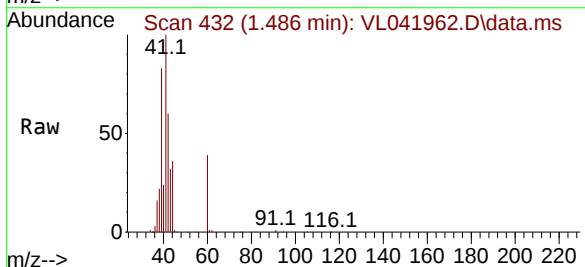
Instrument :
MSVOA_L
ClientSampleId :

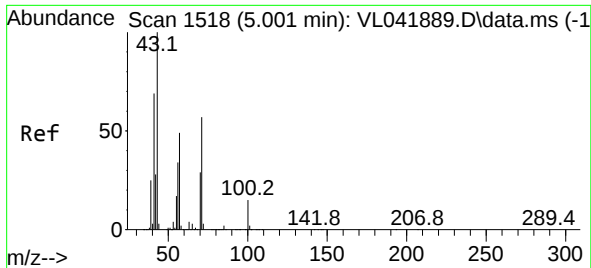
Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 72.3 25.7 38.5#



#9
Propene
Concen: 3.241 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.000 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion: 41 Resp: 30351
Ion Ratio Lower Upper
41 100
42 56.3 52.0 78.0

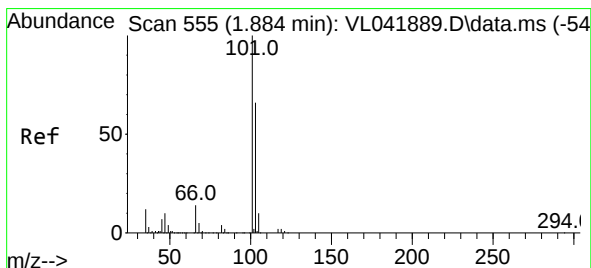
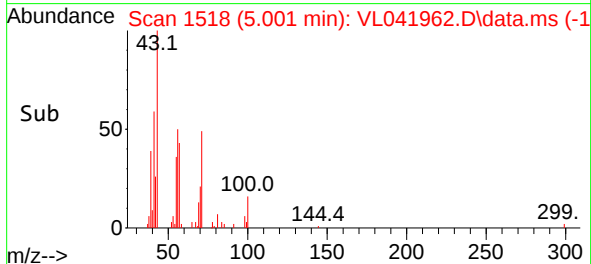
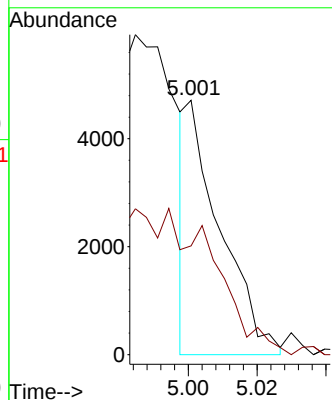
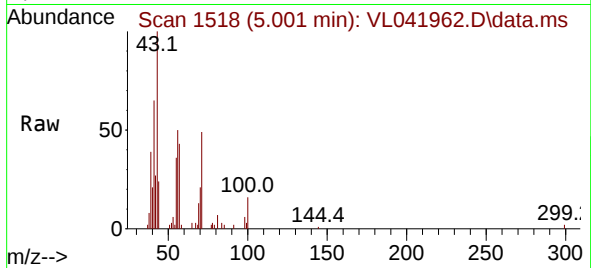




#10
Heptane
Concen: 0.130 ppbv
RT: 5.001 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

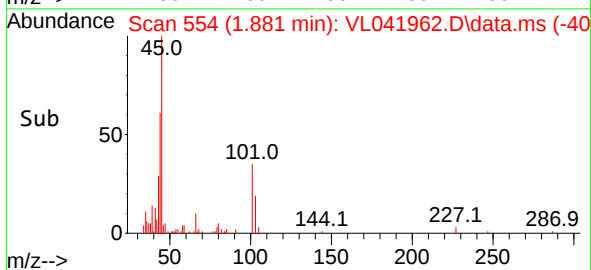
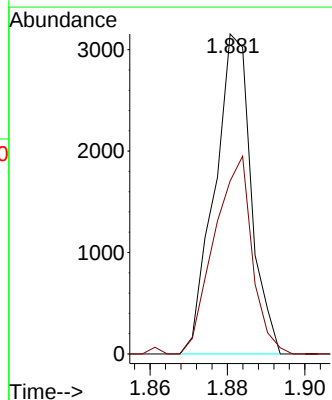
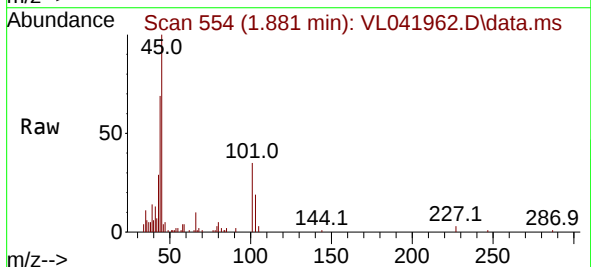
Instrument :
MSVOA_L
ClientSampleId :

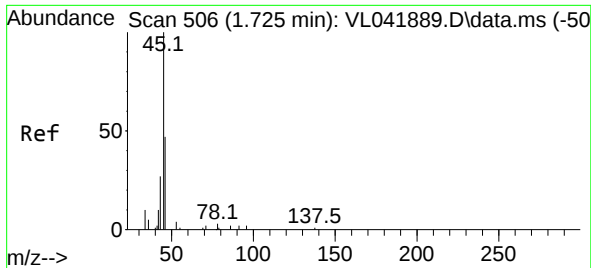
Tgt Ion: 43 Resp: 3244
Ion Ratio Lower Upper
43 100
57 184.6 41.0 61.4#



#11
Trichlorofluoromethane
Concen: 0.092 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion:101 Resp: 2068
Ion Ratio Lower Upper
101 100
103 54.0 53.1 79.7

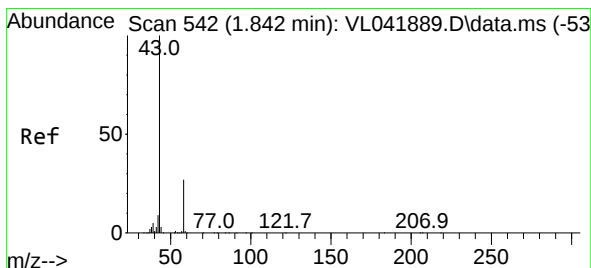
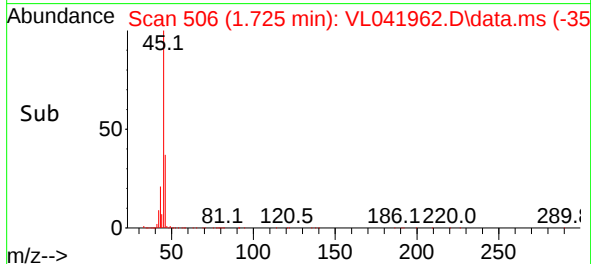
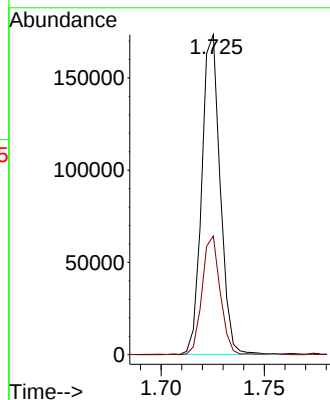
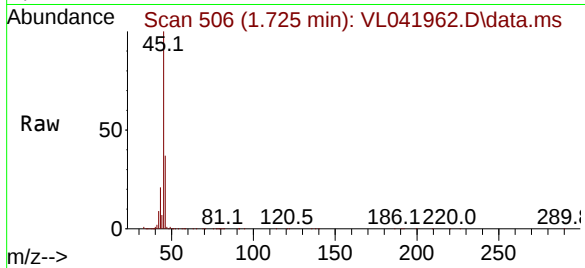




#13
Ethanol
Concen: 156.617 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.000 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

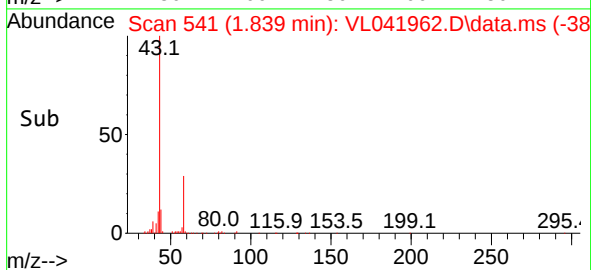
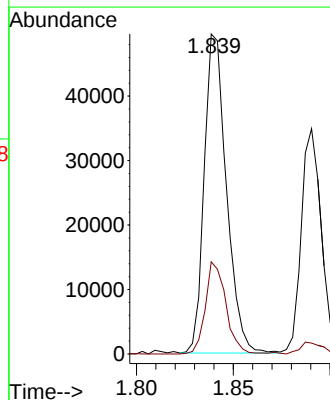
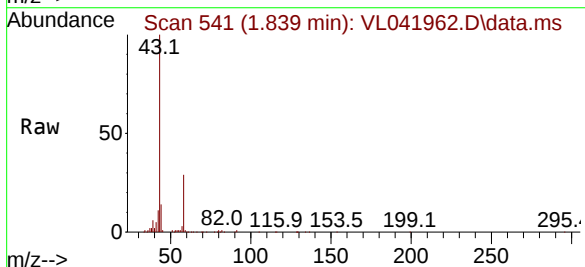
Instrument :
MSVOA_L
ClientSampleId :

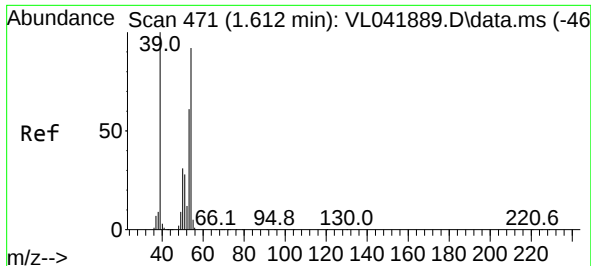
Tgt Ion: 45 Resp: 107420
Ion Ratio Lower Upper
45 100
46 36.8 18.1 72.5



#15
Acetone
Concen: 2.065 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion: 43 Resp: 39507
Ion Ratio Lower Upper
43 100
58 26.8 21.9 32.9





#16

1,3-Butadiene

Concen: 0.892 ppbv

RT: 1.602 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

Instrument :

MSVOA_L

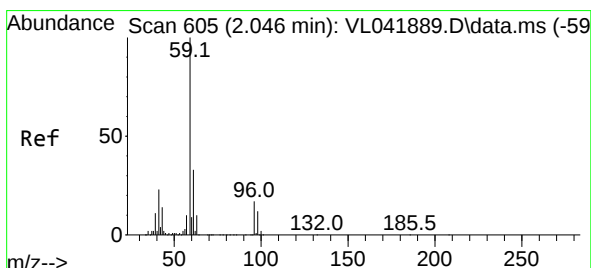
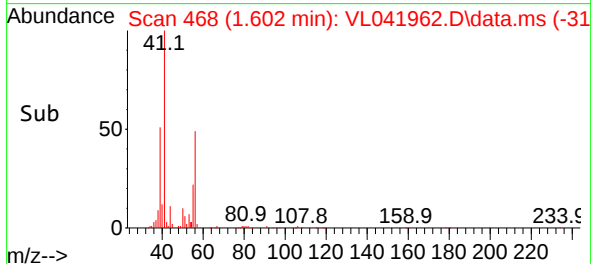
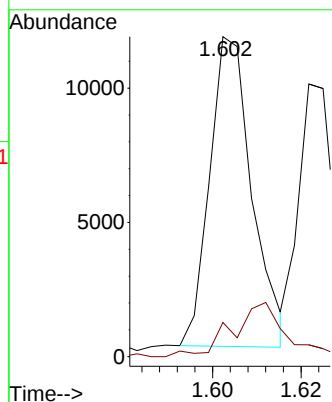
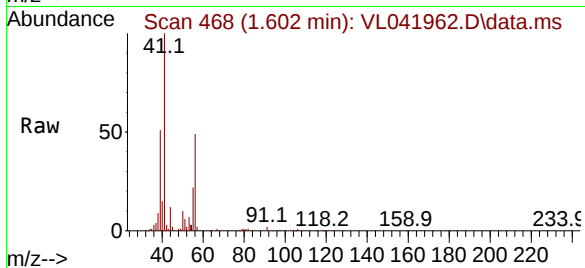
ClientSampleId :

Tgt Ion: 39 Resp: 7659

Ion Ratio Lower Upper

39 100

54 22.0 61.6 92.4#



#17

tert-Butyl alcohol

Concen: 0.189 ppbv

RT: 1.890 min Scan# 557

Delta R.T. -0.155 min

Lab File: VL041962.D

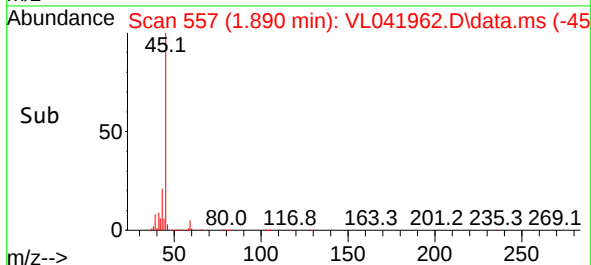
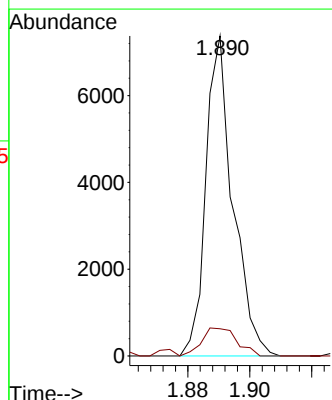
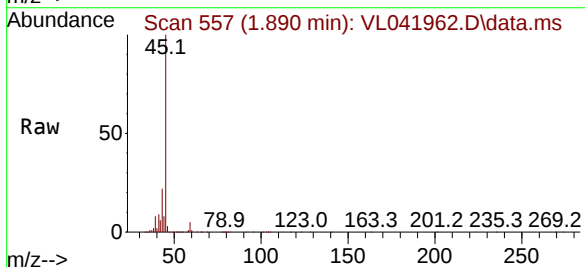
Acq: 03 Feb 2025 13:57

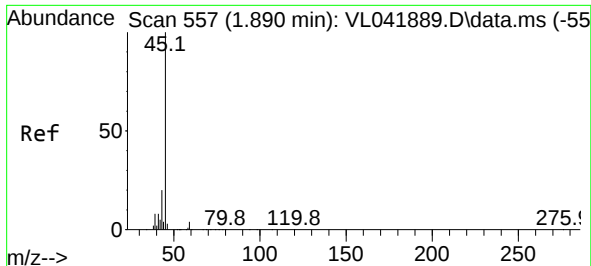
Tgt Ion: 59 Resp: 4452

Ion Ratio Lower Upper

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57 11.4 7.8 11.8

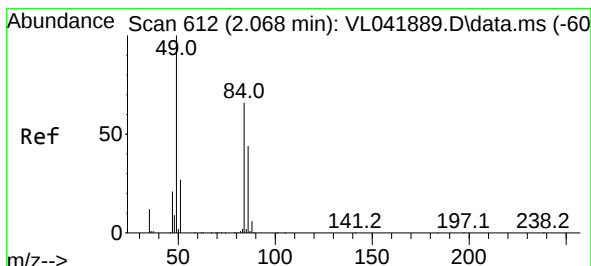
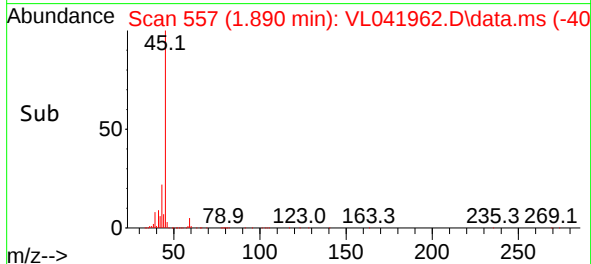
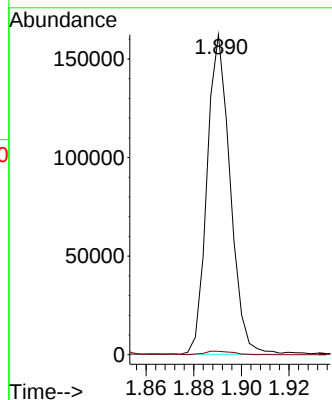
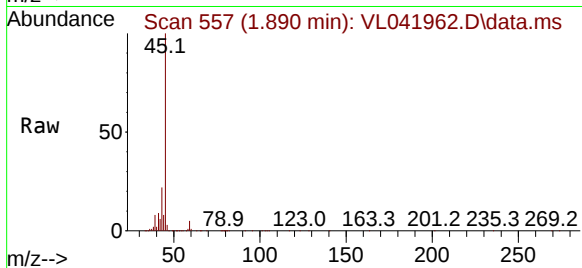




#19
Isopropyl Alcohol
Concen: 9.602 ppbv
RT: 1.890 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

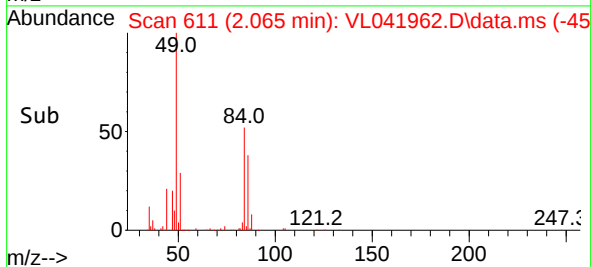
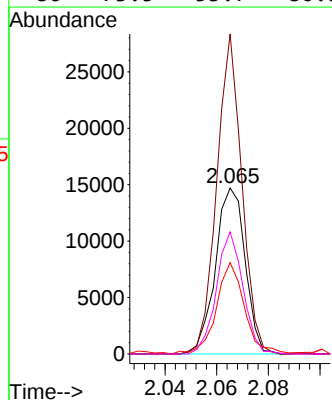
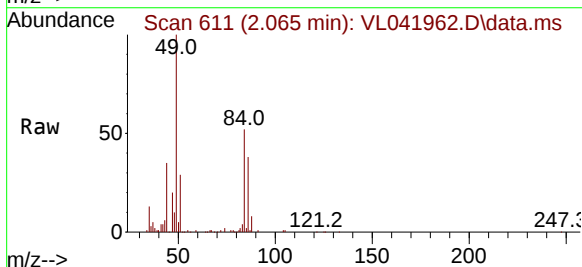
Instrument :
MSVOA_L
ClientSampleId :

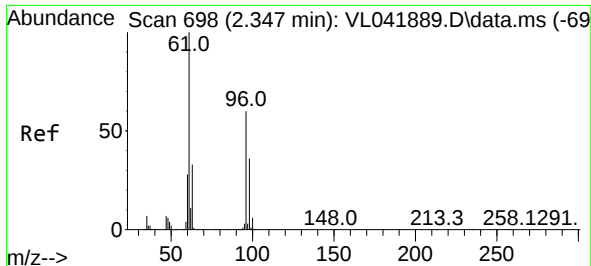
Tgt Ion: 45 Resp: 108933
Ion Ratio Lower Upper
45 100
58 1.4 35.0 52.6#



#20
Methylene Chloride
Concen: 1.557 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion: 84 Resp: 11774
Ion Ratio Lower Upper
84 100
49 192.8 123.1 184.7#
51 53.4 35.8 53.8
86 73.5 53.7 80.5

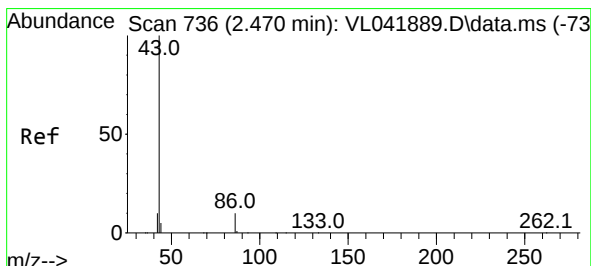
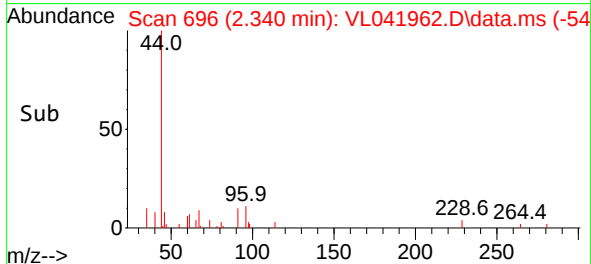
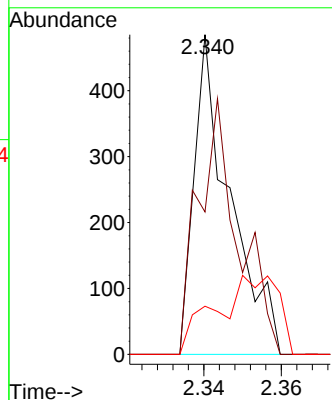
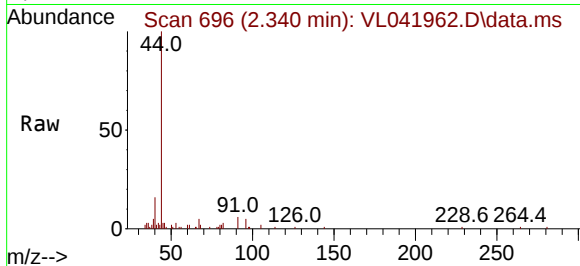




#22
trans-1,2-Dichloroethene
Concen: 0.034 ppbv
RT: 2.340 min Scan# 698
Delta R.T. -0.006 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

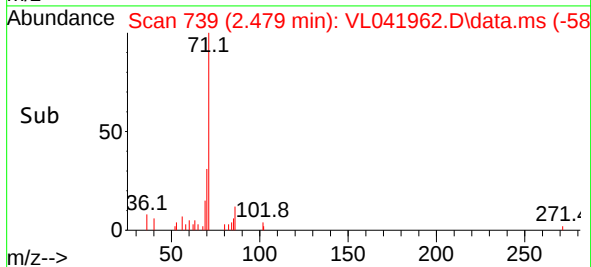
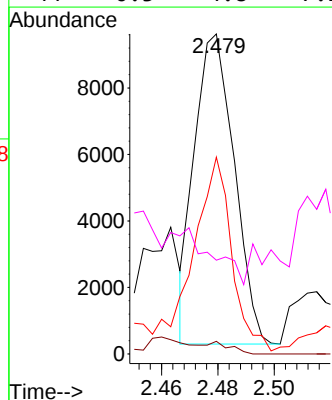
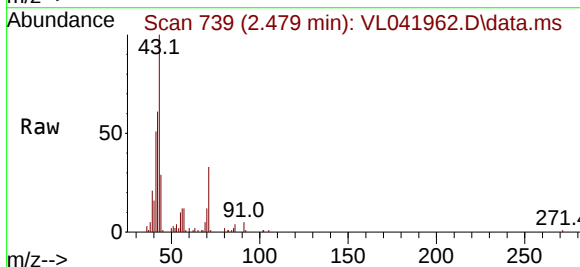
Instrument :
MSVOA_L
ClientSampleId :

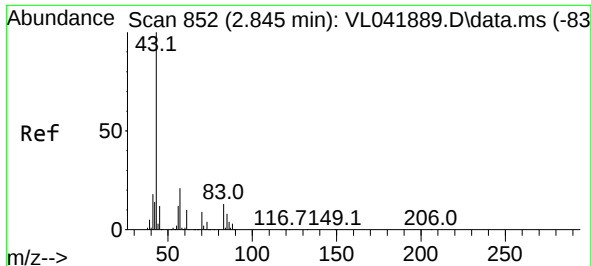
Tgt Ion: 96 Resp: 310
Ion Ratio Lower Upper
96 100
61 44.5 134.5 201.7#
98 15.1 48.9 73.3#



#23
Vinyl Acetate
Concen: 0.963 ppbv
RT: 2.479 min Scan# 739
Delta R.T. 0.010 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion: 43 Resp: 9132
Ion Ratio Lower Upper
43 100
86 4.1 6.2 9.4#
42 61.2 8.5 12.7#
44 0.3 4.8 7.2#





#25

Ethyl Acetate

Concen: 1.100 ppbv

RT: 2.832 min Scan# 848

Delta R.T. -0.013 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 56770

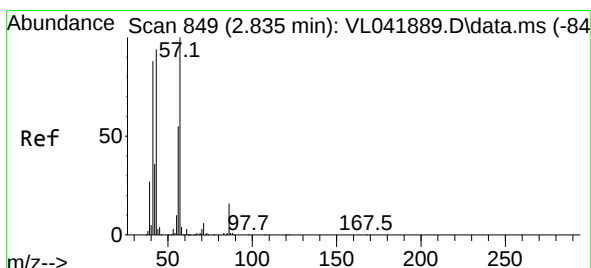
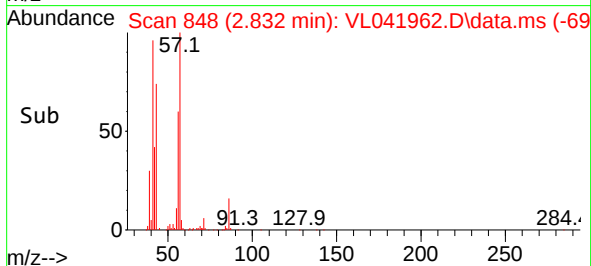
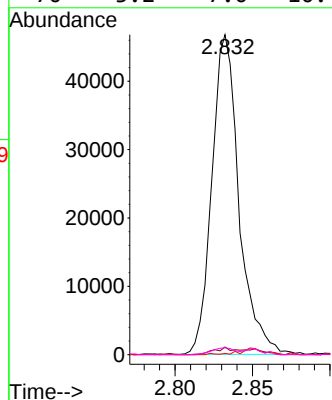
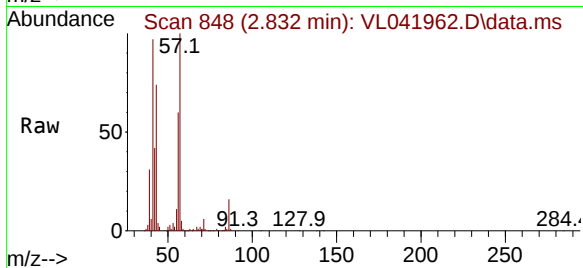
Ion Ratio Lower Upper

43 100

45 3.5 8.2 12.2#

61 1.8 7.4 11.0#

70 3.2 7.0 10.4#



#26

Hexane

Concen: 3.302 ppbv

RT: 2.832 min Scan# 848

Delta R.T. -0.003 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

Tgt Ion: 57 Resp: 67384

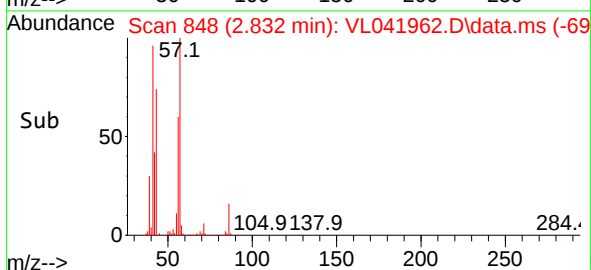
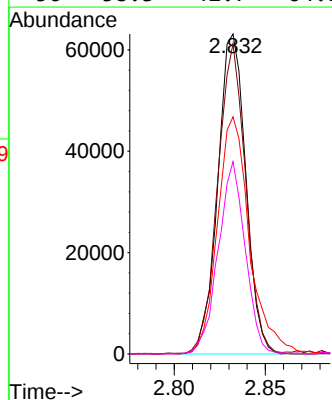
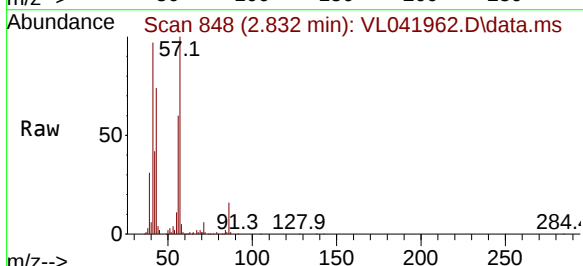
Ion Ratio Lower Upper

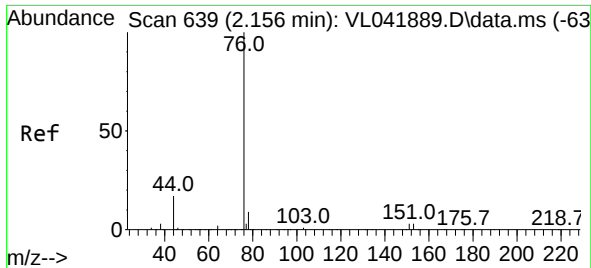
57 100

41 98.1 73.8 110.8

43 85.3 197.3 295.9#

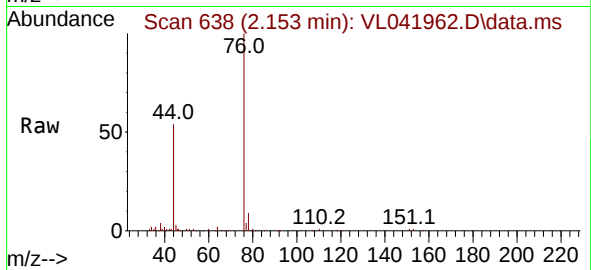
56 58.3 42.7 64.1



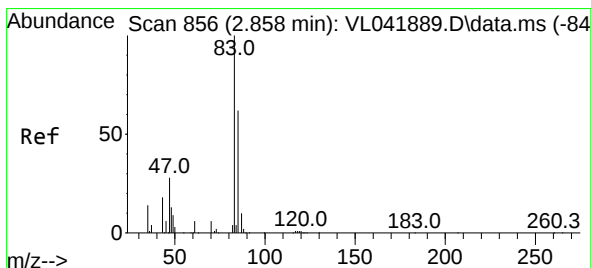
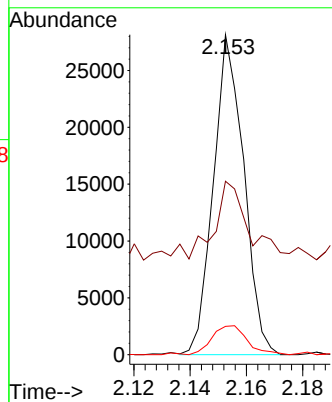
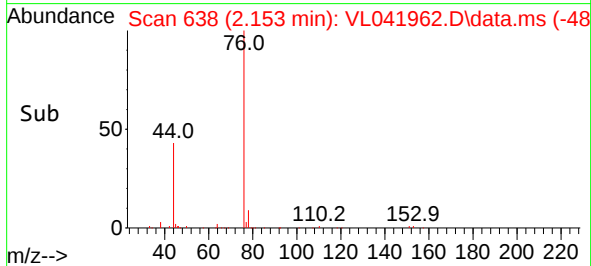


#27
Carbon Disulfide
Concen: 1.045 ppbv
RT: 2.153 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Instrument :
MSVOA_L
ClientSampleId :

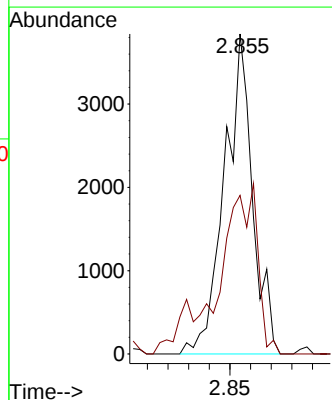
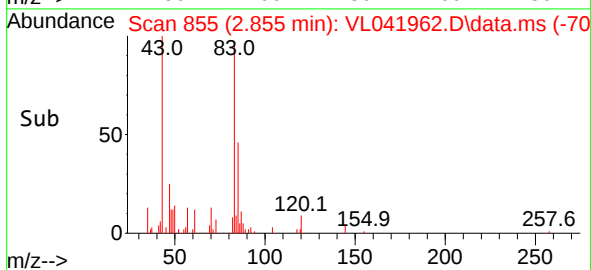
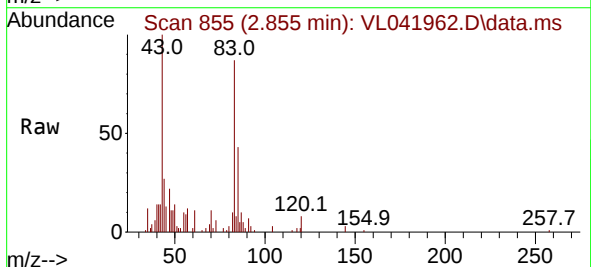


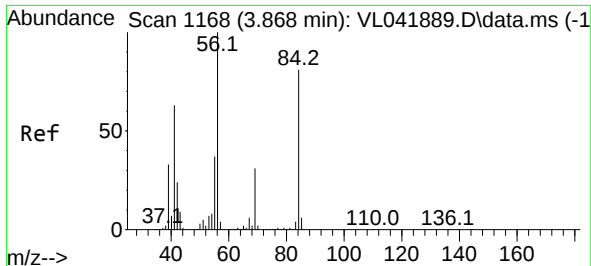
Tgt Ion: 76 Resp: 21096
Ion Ratio Lower Upper
76 100
44 109.1 15.4 23.0#
78 11.0 9.3 13.9



#29
Chloroform
Concen: 0.112 ppbv
RT: 2.855 min Scan# 855
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

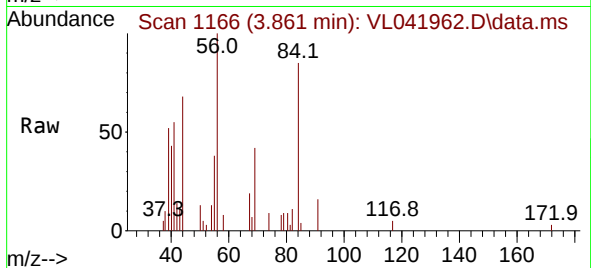
Tgt Ion: 83 Resp: 3627
Ion Ratio Lower Upper
83 100
85 49.5 50.1 75.1#





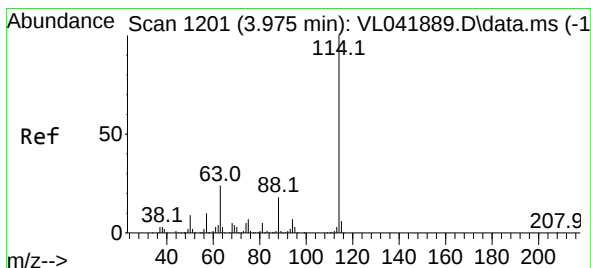
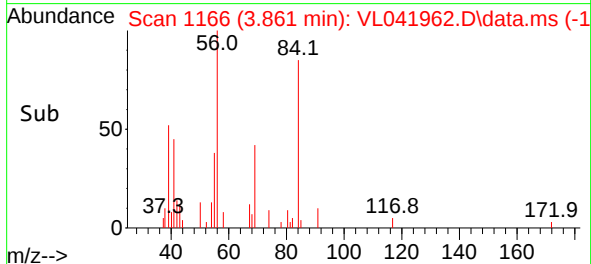
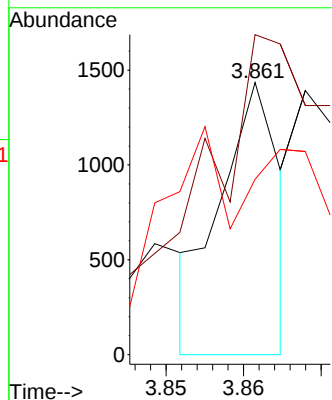
#30
Cyclohexane
Concen: 0.043 ppbv
RT: 3.861 min Scan# 1166
Delta R.T. -0.006 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 763

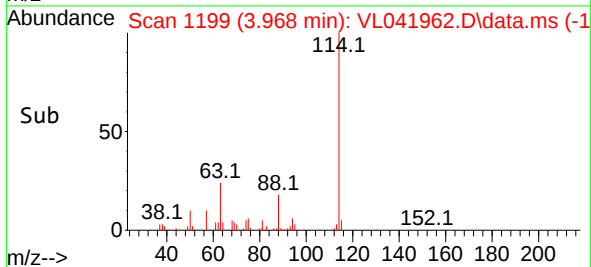
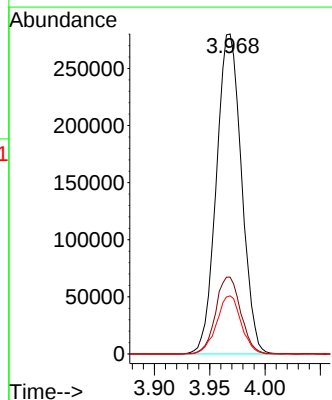
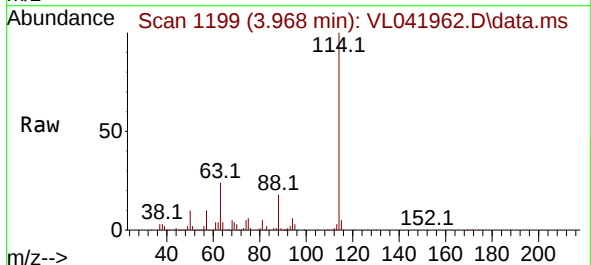
Ion	Ratio	Lower	Upper
84	100		
56	330.0	99.3	148.9#
41	318.7	64.3	96.5#

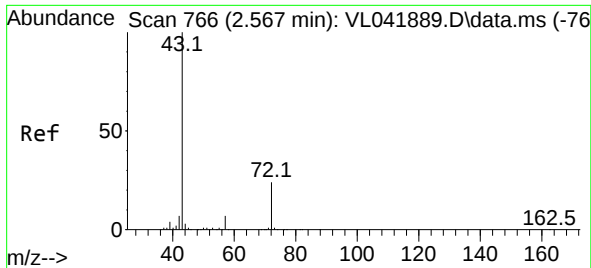


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.006 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion: 114 Resp: 441984

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.8	29.6
88	17.7	14.4	21.6

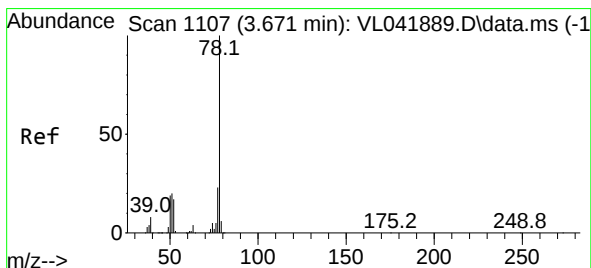
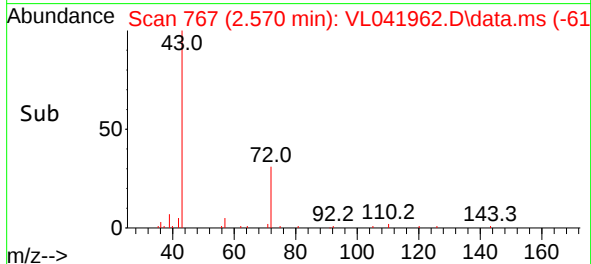
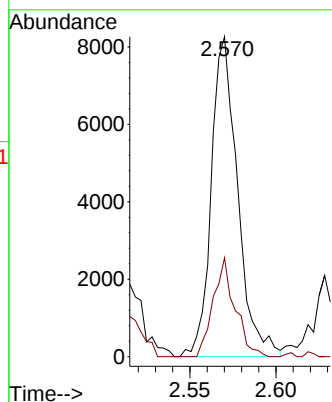
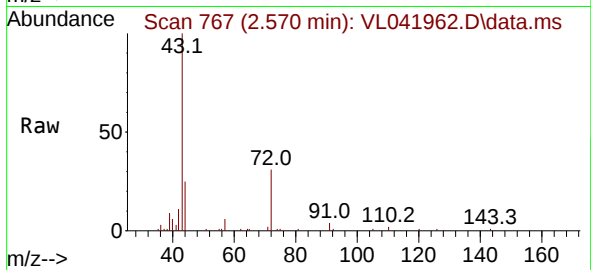




#34
2-Butanone
Concen: 0.313 ppbv
RT: 2.570 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

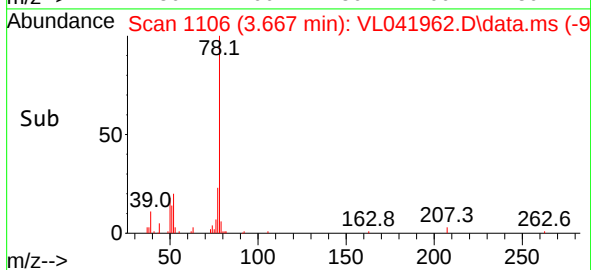
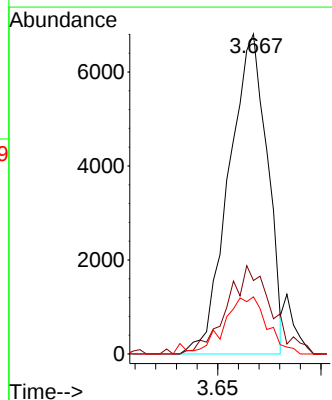
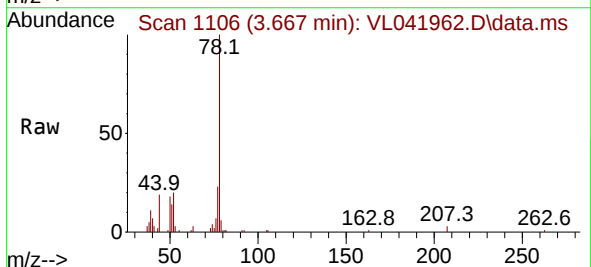
Instrument :
MSVOA_L
ClientSampleId :

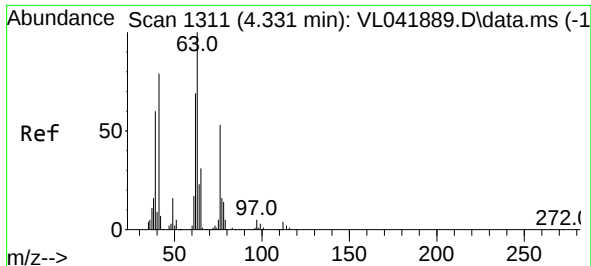
Tgt Ion: 43 Resp: 8793
Ion Ratio Lower Upper
43 100
72 26.4 18.6 28.0



#36
Benzene
Concen: 0.217 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion: 78 Resp: 8790
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1
50 14.9 15.2 22.8#





#39

1,2-Dichloropropane

Concen: 7.474 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.362 min

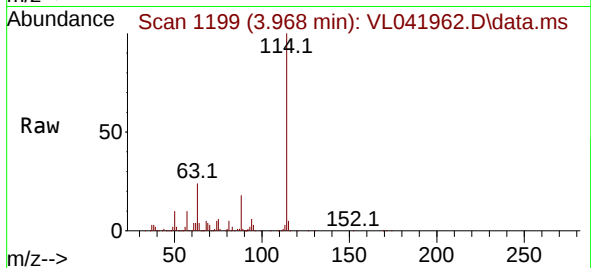
Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :



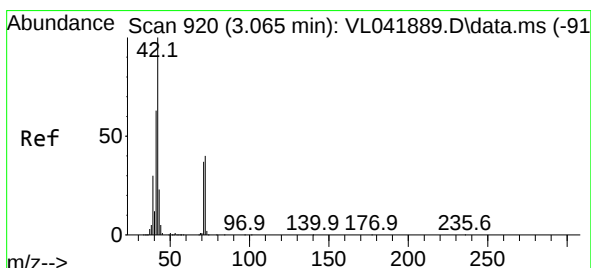
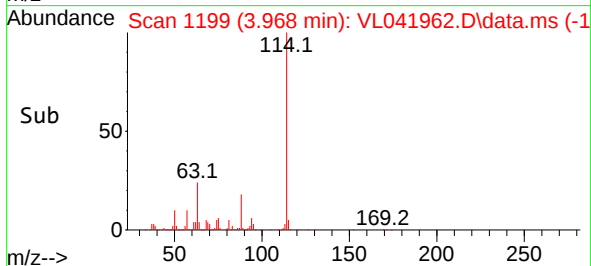
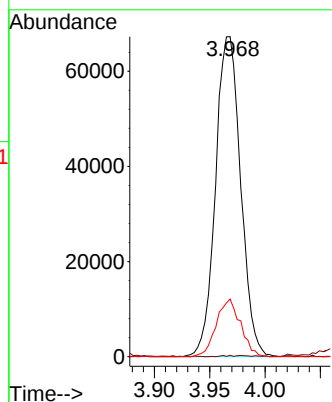
Tgt Ion: 63 Resp: 106278

Ion Ratio Lower Upper

63 100

41 0.3 63.7 95.5#

62 18.0 55.4 83.2#



#41

Tetrahydrofuran

Concen: 0.091 ppbv

RT: 3.078 min Scan# 924

Delta R.T. 0.013 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

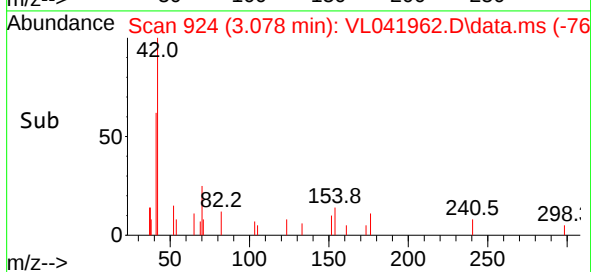
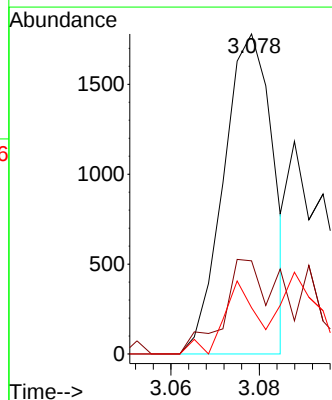
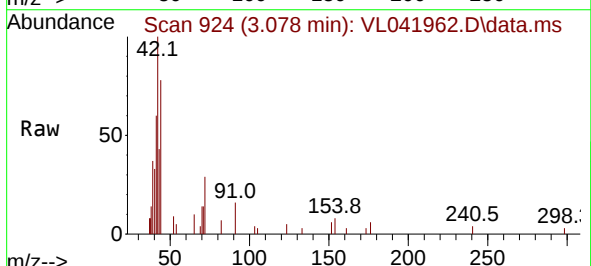
Tgt Ion: 42 Resp: 1383

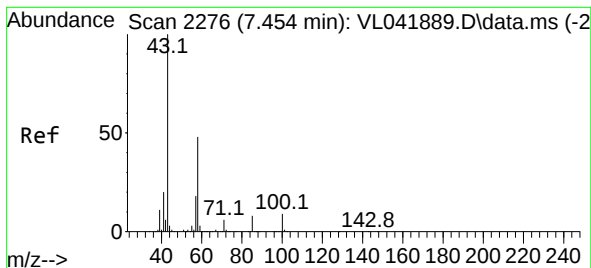
Ion Ratio Lower Upper

42 100

72 47.7 32.3 48.5

71 0.0 29.9 44.9#





#51

2-Hexanone

Concen: 0.175 ppbv

RT: 7.441 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

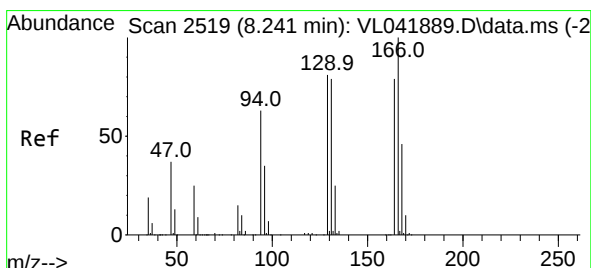
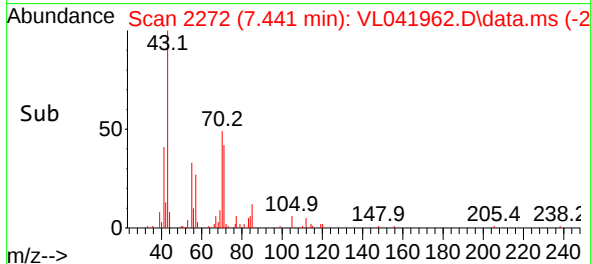
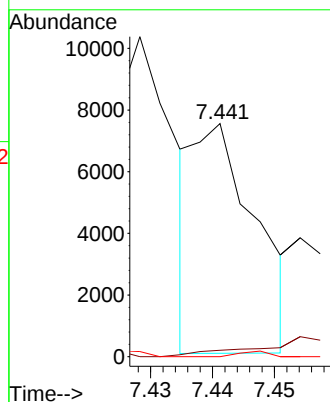
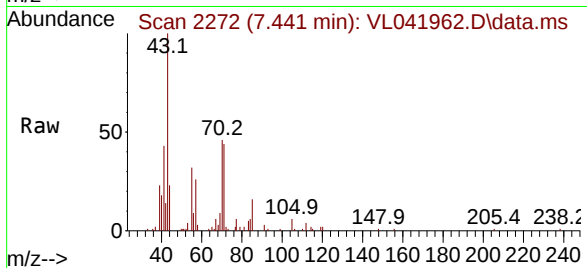
Tgt Ion: 43 Resp: 5163

Ion Ratio Lower Upper

43 100

58 0.0 40.4 60.6#

98 0.0 0.2 0.2#



#52

Tetrachloroethene

Concen: 2.327 ppbv

RT: 8.234 min Scan# 2517

Delta R.T. -0.006 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

Tgt Ion:164 Resp: 32706

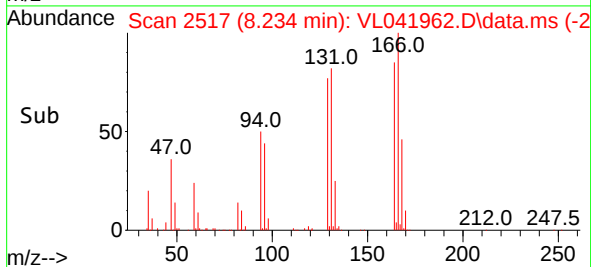
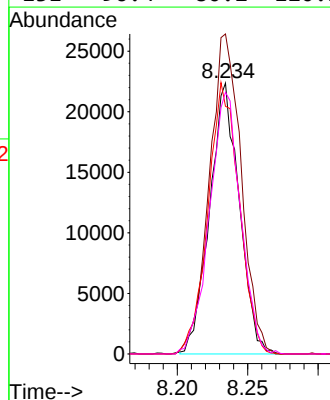
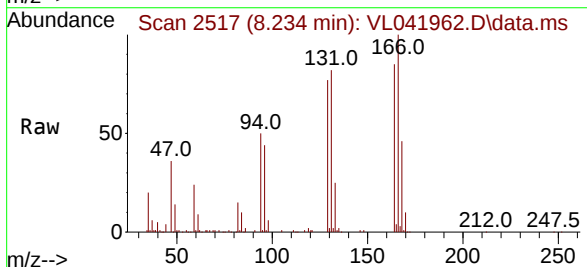
Ion Ratio Lower Upper

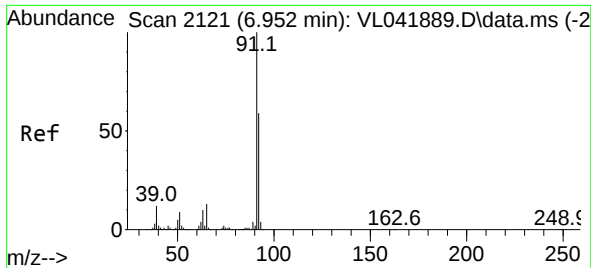
164 100

166 118.1 100.8 151.2

129 91.5 82.0 123.0

131 96.4 80.2 120.2

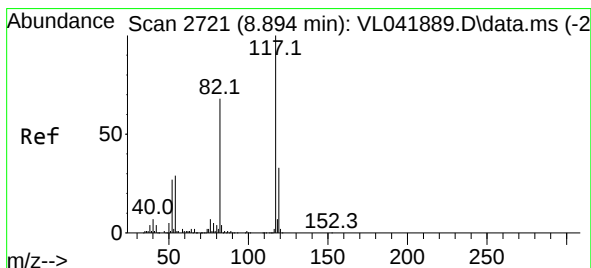
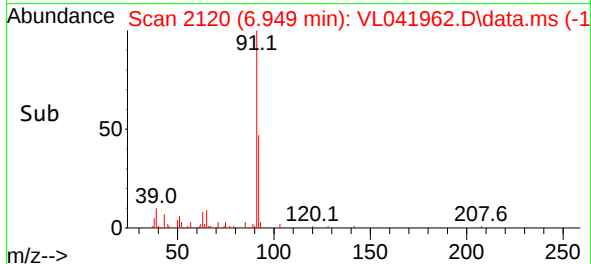
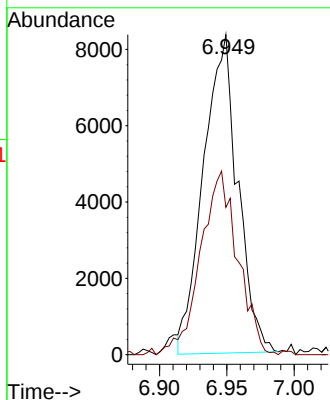
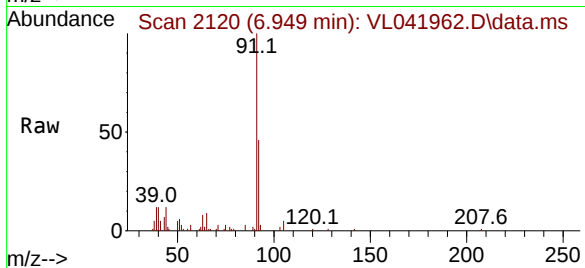




#53
Toluene
Concen: 0.335 ppbv
RT: 6.949 min Scan# 2121
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

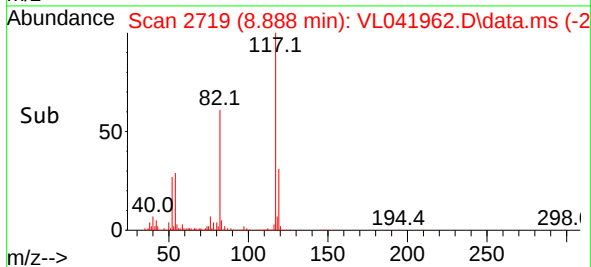
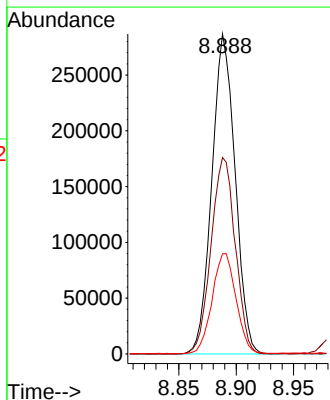
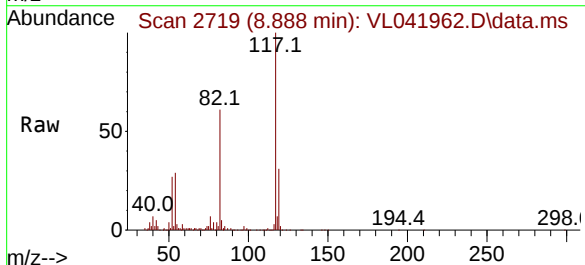
Instrument :
MSVOA_L
ClientSampleId :

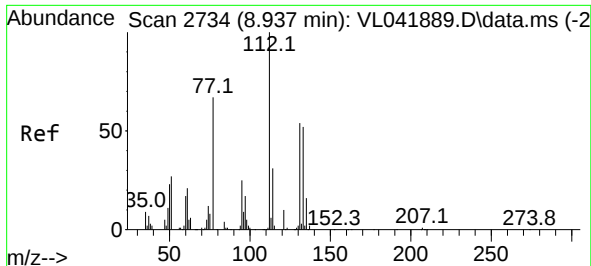
Tgt Ion: 91 Resp: 14795
Ion Ratio Lower Upper
91 100
92 63.6 47.4 71.0



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.006 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion: 117 Resp: 404852
Ion Ratio Lower Upper
117 100
82 63.9 54.2 81.4
119 32.3 25.0 37.6

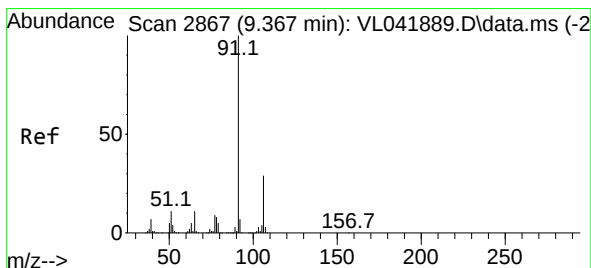
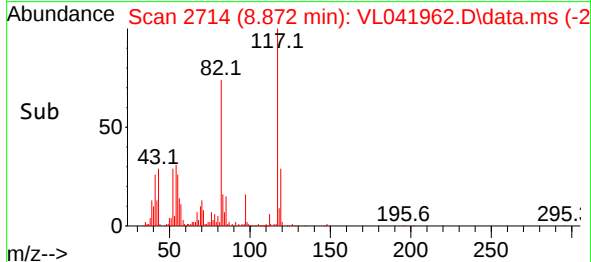
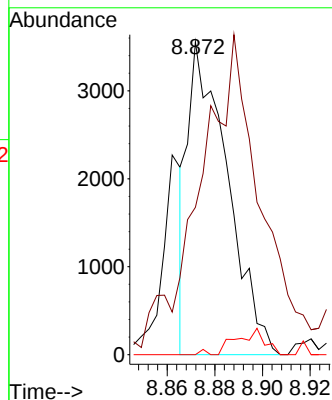
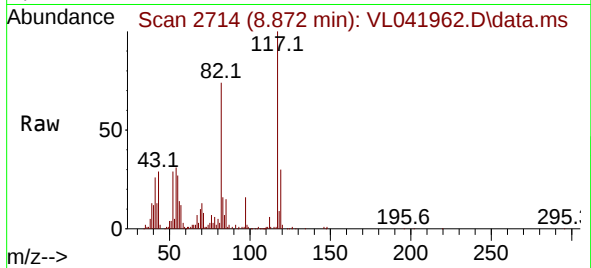




#57
Chlorobenzene
Concen: 0.109 ppbv
RT: 8.872 min Scan# 211
Delta R.T. -0.065 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

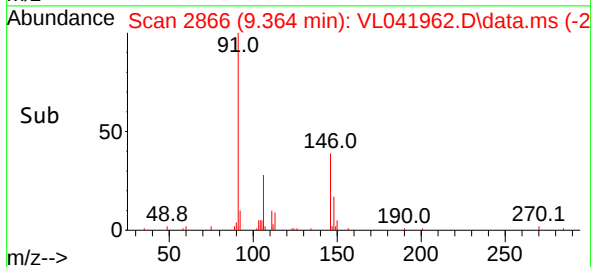
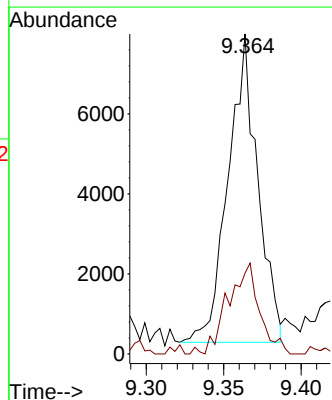
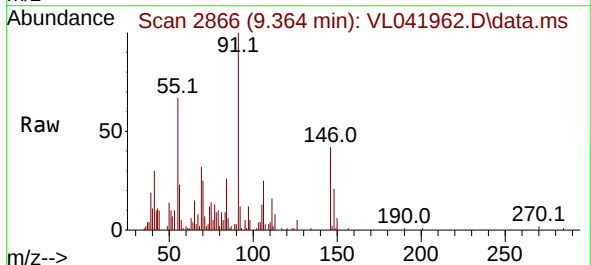
Instrument :
MSVOA_L
ClientSampleId :

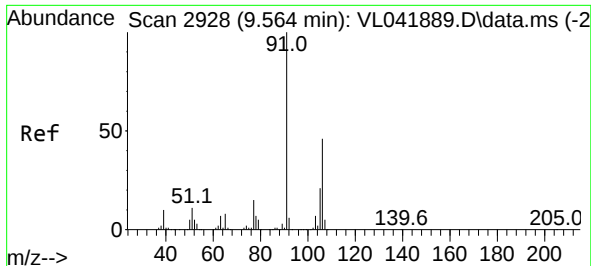
Tgt Ion:112 Resp: 4075
Ion Ratio Lower Upper
112 100
77 22.6 54.6 82.0#
114 0.0 28.2 34.4#



#58
Ethyl Benzene
Concen: 0.161 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion: 91 Resp: 10216
Ion Ratio Lower Upper
91 100
106 23.2 23.1 34.7





#59

m/p-Xylene

Concen: 0.052 ppbv

RT: 9.561 min Scan# 2928

Delta R.T. -0.003 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

Instrument :

MSVOA_L

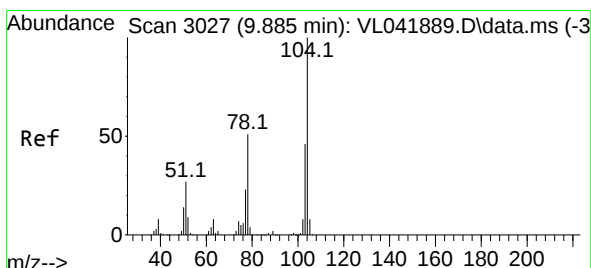
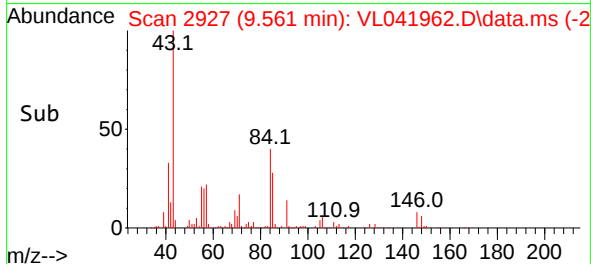
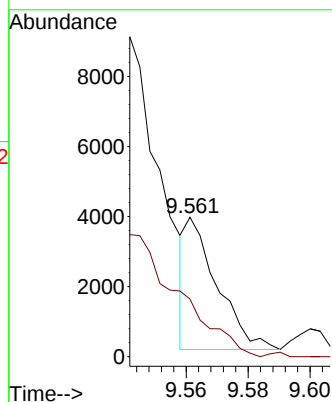
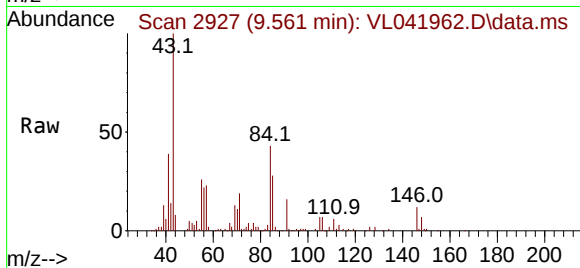
ClientSampleId :

Tgt Ion: 91 Resp: 2637

Ion Ratio Lower Upper

91 100

106 0.0 36.0 54.0#



#61

Styrene

Concen: 0.040 ppbv

RT: 9.878 min Scan# 3025

Delta R.T. -0.006 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

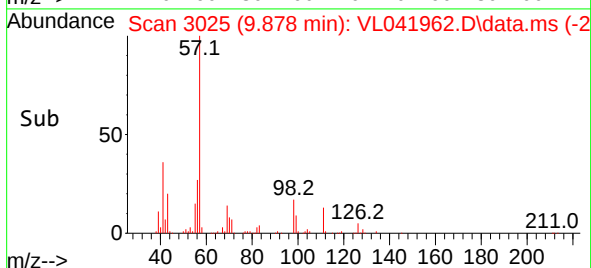
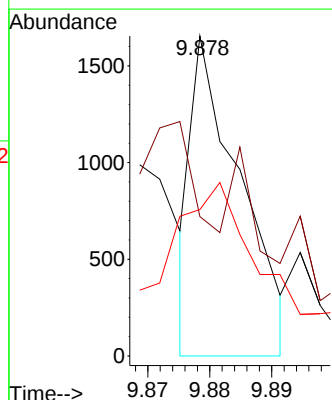
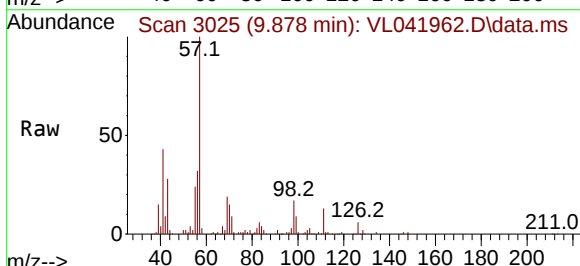
Tgt Ion: 104 Resp: 908

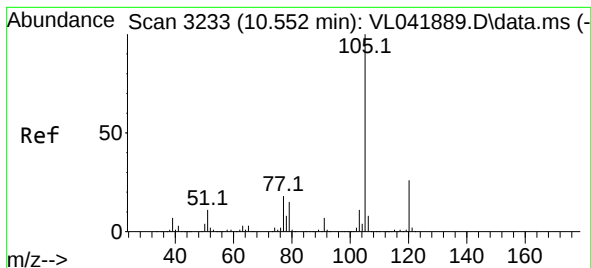
Ion Ratio Lower Upper

104 100

78 323.2 41.0 61.6#

103 154.8 37.2 55.8#





#62

Isopropylbenzene

Concen: 0.182 ppbv

RT: 10.545 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

Instrument :

MSVOA_L

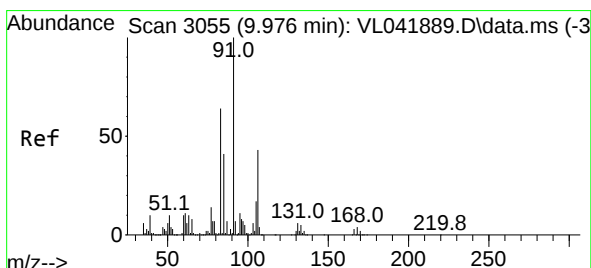
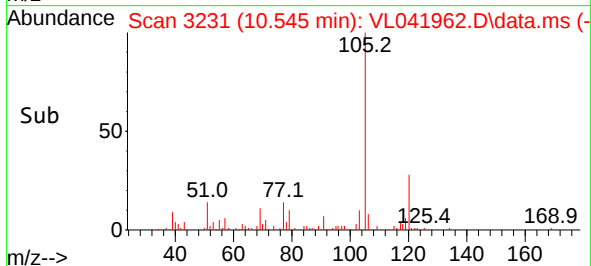
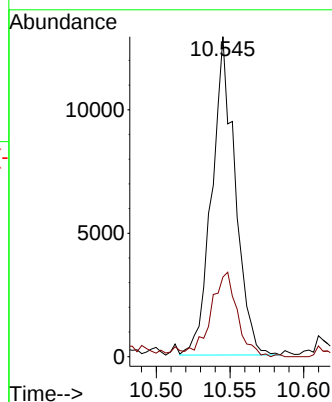
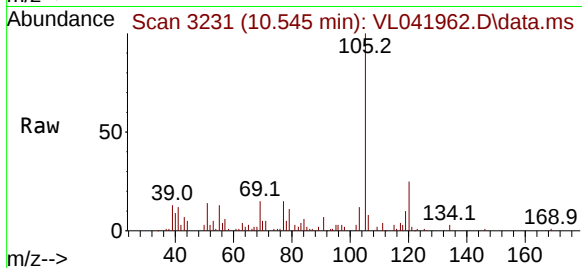
ClientSampleId :

Tgt Ion:105 Resp: 14191

Ion Ratio Lower Upper

105 100

120 32.2 20.3 30.5#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.181 ppbv

RT: 9.953 min Scan# 3048

Delta R.T. -0.023 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

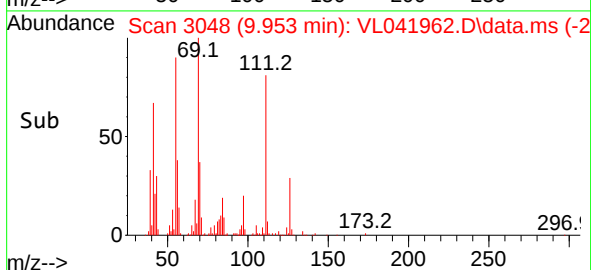
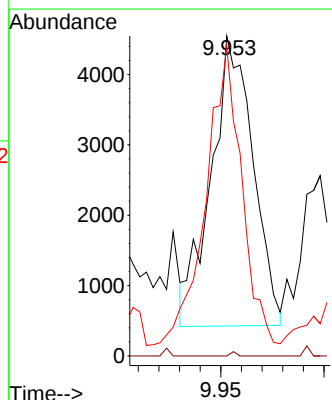
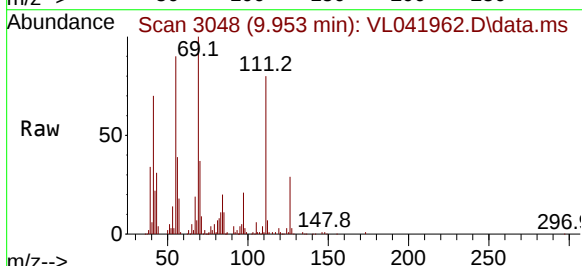
Tgt Ion: 83 Resp: 5810

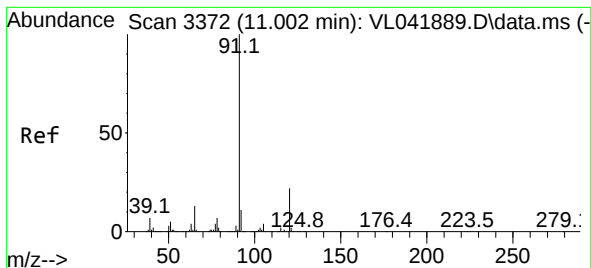
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 0.0 32.4 97.2#





#64

n-propylbenzene

Concen: 0.075 ppbv

RT: 11.002 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

Instrument :

MSVOA_L

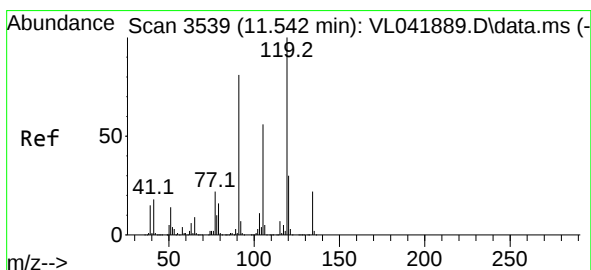
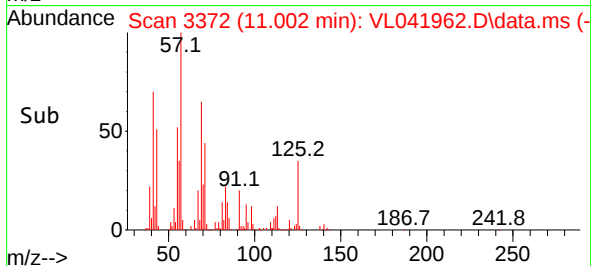
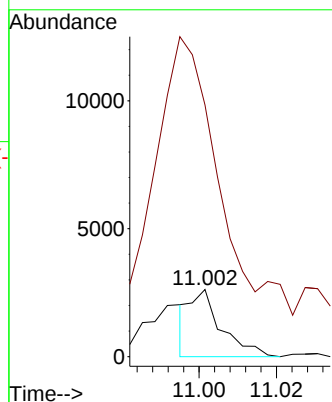
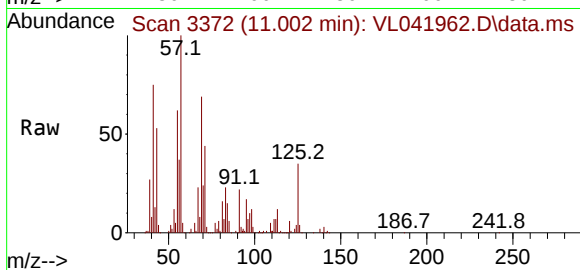
ClientSampleId :

Tgt Ion:120 Resp: 1475

Ion Ratio Lower Upper

120 100

91 1170.1 374.1 561.1#



#65

tert-Butylbenzene

Concen: 0.077 ppbv

RT: 11.892 min Scan# 3647

Delta R.T. 0.350 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

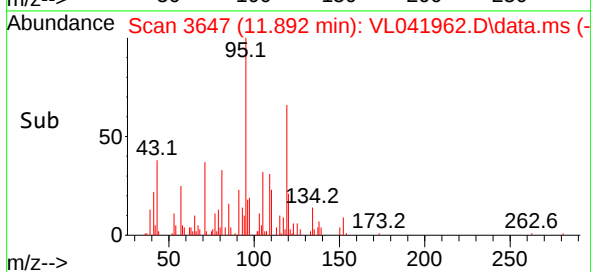
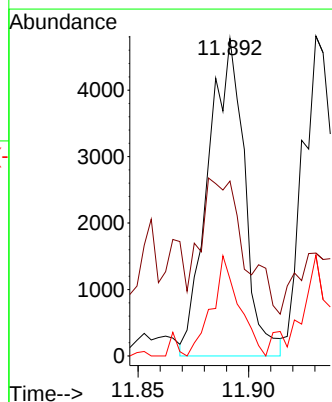
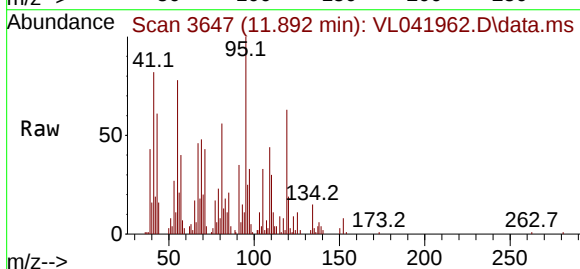
Tgt Ion:119 Resp: 5450

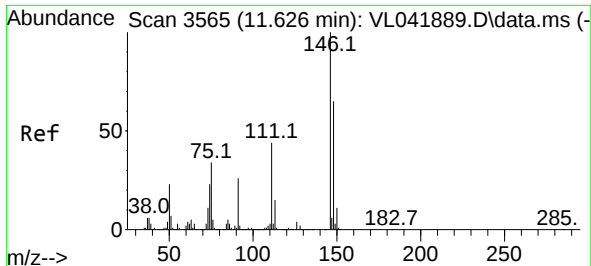
Ion Ratio Lower Upper

119 100

91 90.5 64.6 97.0

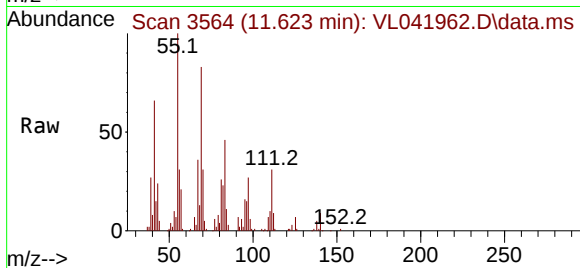
134 25.0 16.8 25.2



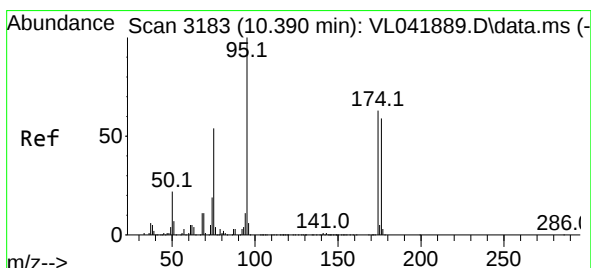
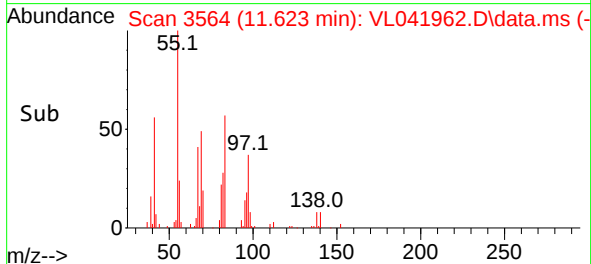
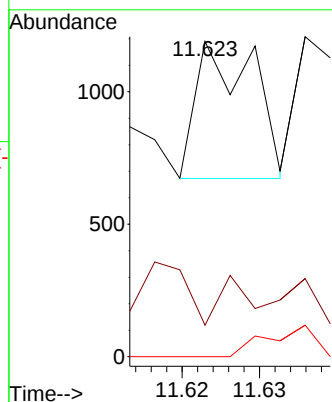


#66
Benzyl Chloride
Concen: 0.060 ppbv
RT: 11.623 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Instrument :
MSVOA_L
ClientSampleId :

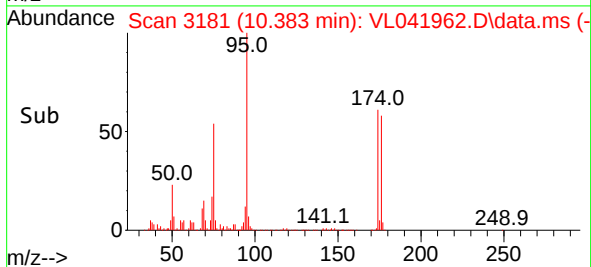
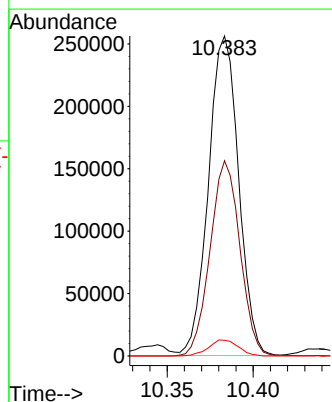
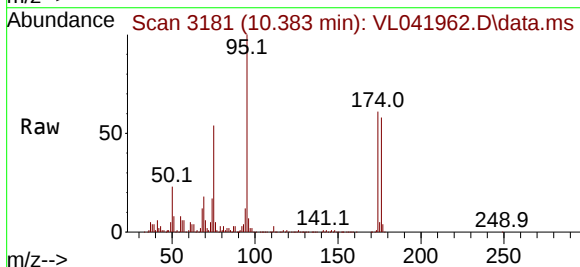


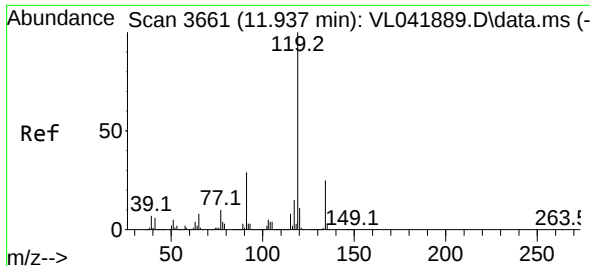
Tgt Ion: 91 Resp: 264
Ion Ratio Lower Upper
91 100
126 220.5 14.1 21.1#
128 0.0 4.3 6.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.806 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. -0.006 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion: 95 Resp: 312689
Ion Ratio Lower Upper
95 100
174 60.5 49.0 73.4
175 4.9 3.8 5.8

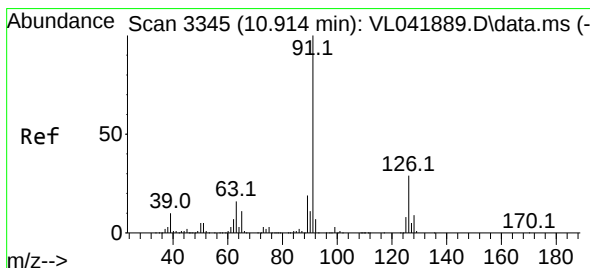
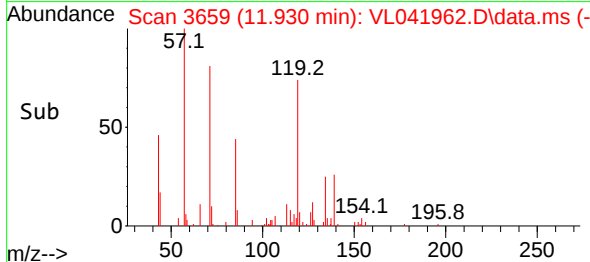
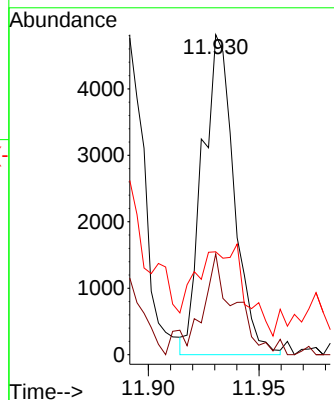
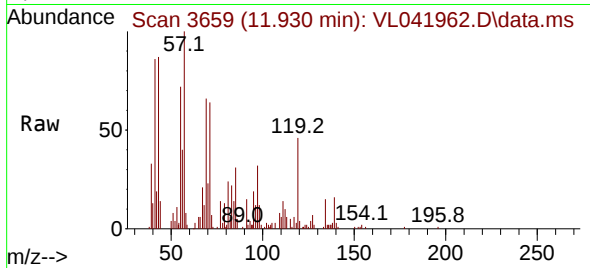




#69
p-Isopropyltoluene
Concen: 0.060 ppbv
RT: 11.930 min Scan# 3460
Delta R.T. -0.006 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

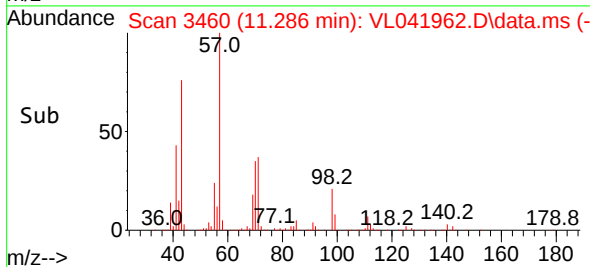
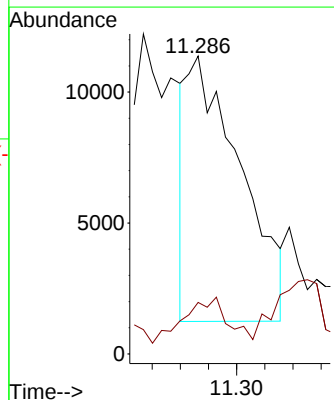
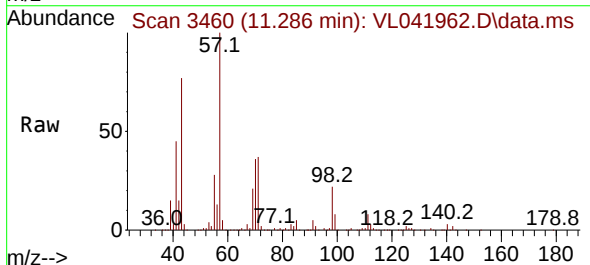
Instrument :
MSVOA_L
ClientSampleId :

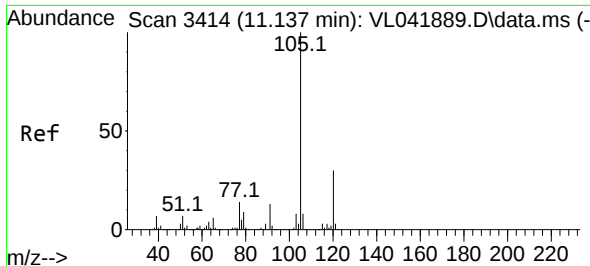
Tgt Ion:119 Resp: 4790
Ion Ratio Lower Upper
119 100
134 34.9 19.8 29.6#
91 35.6 23.0 34.4#



#71
2-Chlorotoluene
Concen: 0.234 ppbv
RT: 11.286 min Scan# 3460
Delta R.T. 0.372 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

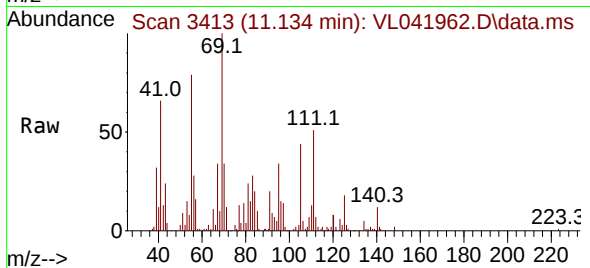
Tgt Ion: 91 Resp: 13511
Ion Ratio Lower Upper
91 100
126 24.1 11.7 46.7



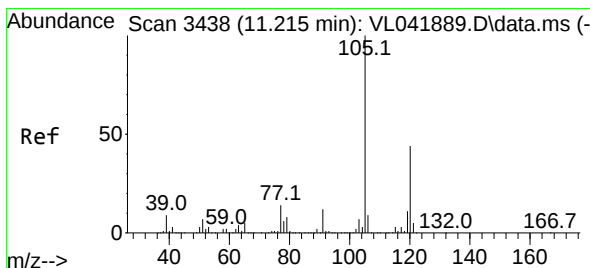
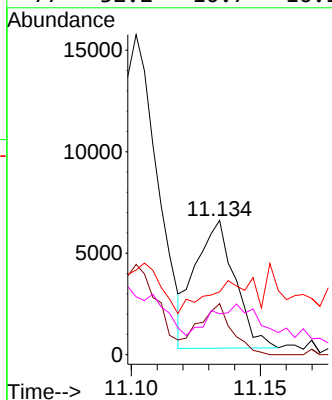
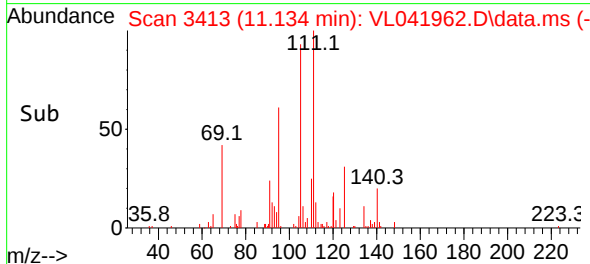


#72
4-Ethyltoluene
Concen: 0.112 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. -0.003 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Instrument :
MSVOA_L
ClientSampleId :

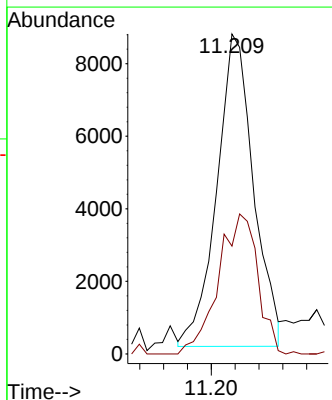
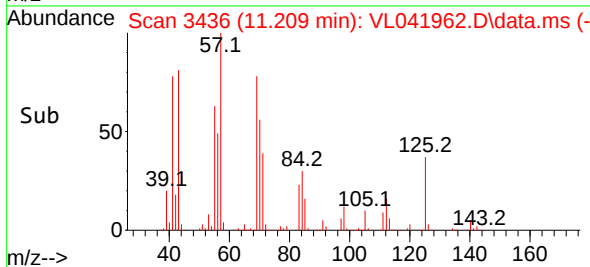
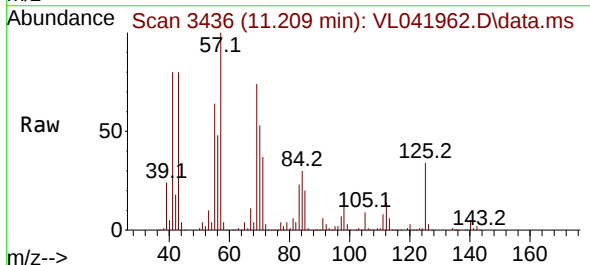


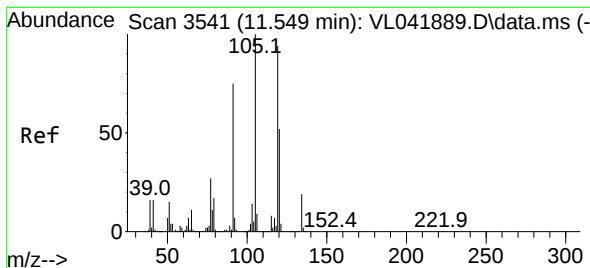
Tgt Ion:105 Resp: 6727
Ion Ratio Lower Upper
105 100
120 0.0 23.7 35.5#
91 102.6 10.2 15.2#
77 32.2 10.7 16.1#



#73
1,3,5-Trimethylbenzene
Concen: 0.173 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. -0.006 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion:105 Resp: 9214
Ion Ratio Lower Upper
105 100
120 34.3 35.4 53.2#





#74

1,2,4-Trimethylbenzene

Concen: 0.251 ppbv

RT: 11.542 min Scan# 3

Delta R.T. -0.006 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 14454

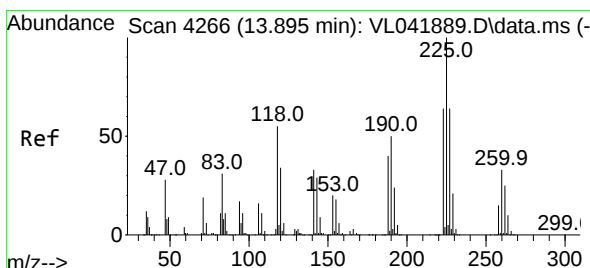
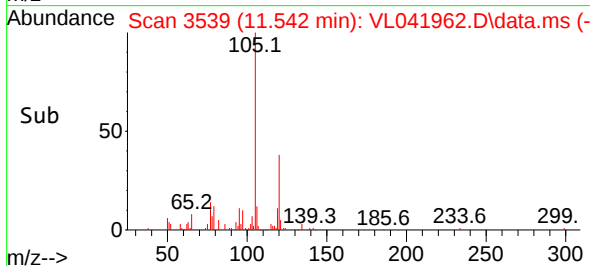
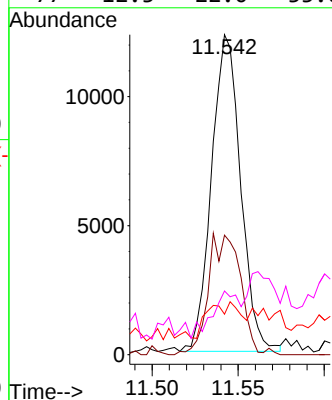
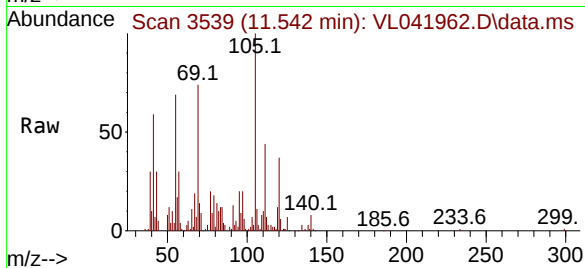
Ion Ratio Lower Upper

105 100

120 37.7 41.4 62.2#

91 6.4 60.2 90.2#

77 12.3 22.0 33.0#



#78

Hexachloro-1,3-Butadiene

Concen: 0.780 ppbv

RT: 13.646 min Scan# 4189

Delta R.T. -0.249 min

Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

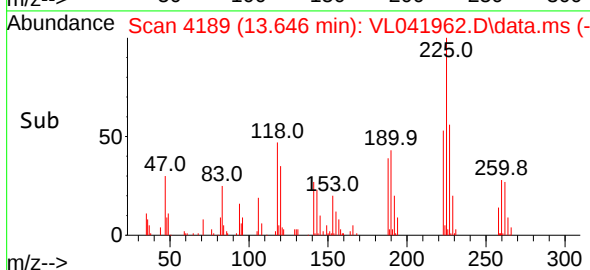
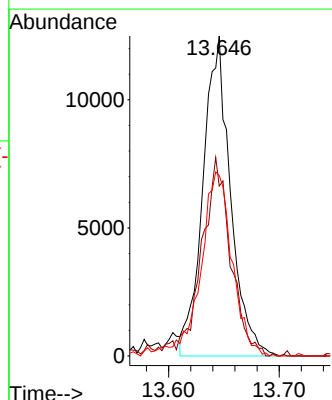
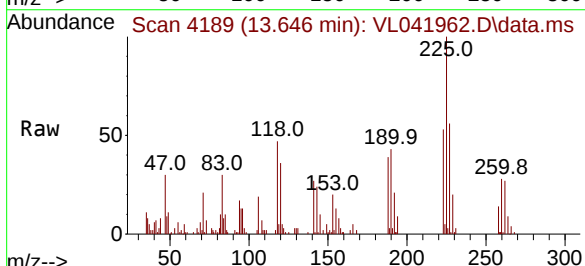
Tgt Ion:225 Resp: 21638

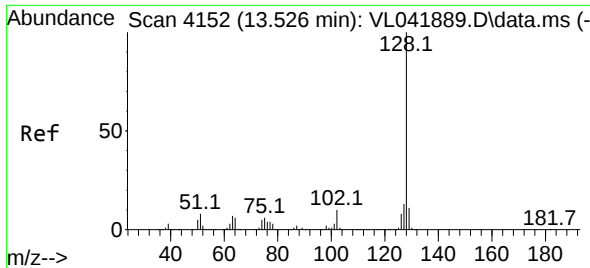
Ion Ratio Lower Upper

225 100

223 68.1 50.8 76.2

227 66.1 50.3 75.5

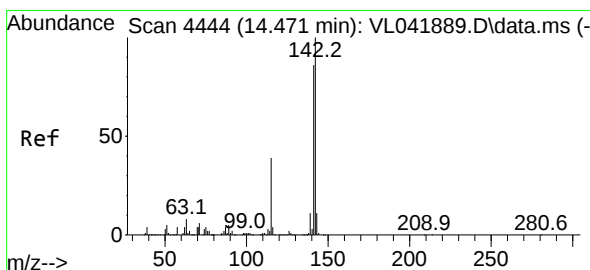
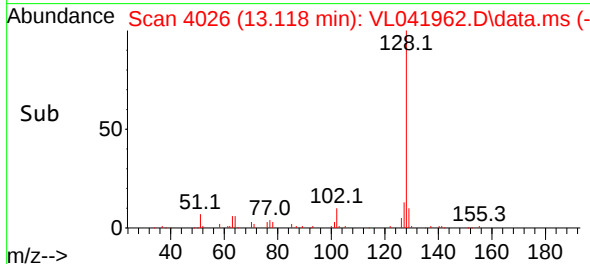
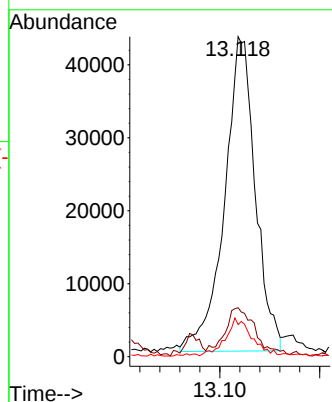
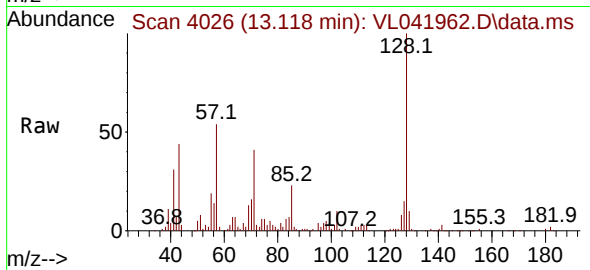




#79
Naphthalene
Concen: 1.594 ppbv
RT: 13.118 min Scan# 4026
Delta R.T. -0.408 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

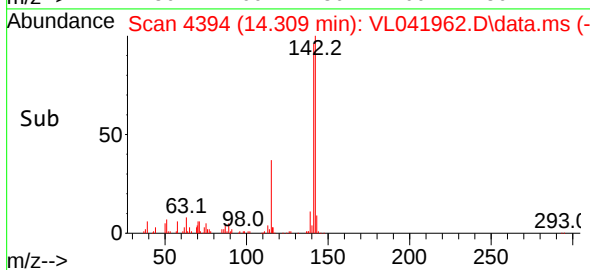
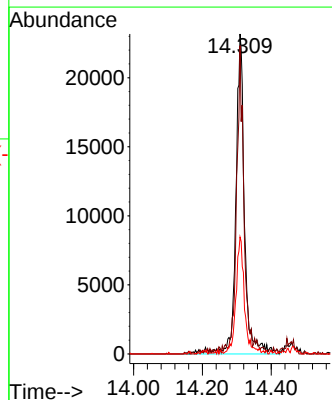
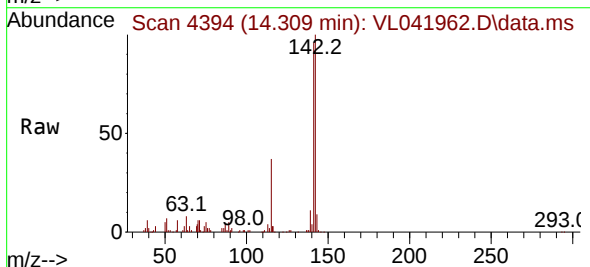
Instrument :
MSVOA_L
ClientSampleId :

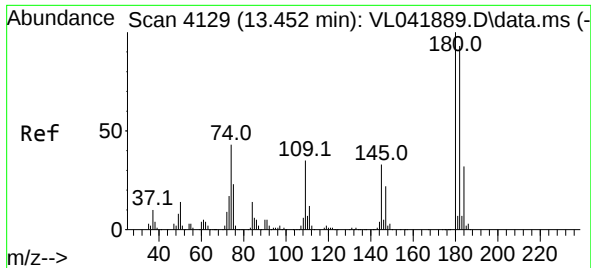
Tgt Ion:128 Resp: 92407
Ion Ratio Lower Upper
128 100
127 14.7 10.2 15.4
129 9.9 9.1 13.7



#80
Naphthalene,2-methyl-
Concen: 1.469 ppbv
RT: 14.309 min Scan# 4394
Delta R.T. -0.162 min
Lab File: VL041962.D
Acq: 03 Feb 2025 13:57

Tgt Ion:142 Resp: 40382
Ion Ratio Lower Upper
142 100
141 81.3 68.1 102.1
115 36.9 31.7 47.5





#81

1,2,4-Trichlorobenzene

Concen: 0.036 ppbv

RT: 13.448 min Scan# 41

Delta R.T. -0.003 min

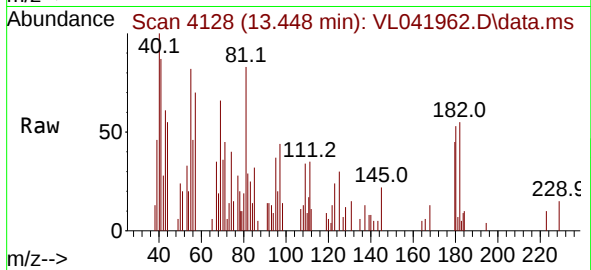
Lab File: VL041962.D

Acq: 03 Feb 2025 13:57

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1014

Ion Ratio Lower Upper

180 100

182 0.0 77.0 115.6#

184 0.0 24.9 37.3#

