

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041858.D
 Acq On : 09 Jan 2025 10:33
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 10 00:12:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	152105	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	457513	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	417323	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	335281	9.380	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	12871	0.516	ppbv	99
3) Chlorodifluoromethane	1.479	51	13501	0.566	ppbv #	78
4) Chloromethane	1.538	50	5589	0.545	ppbv	99
5) Vinyl Chloride	1.586	62	5115	0.494	ppbv	89
6) Bromomethane	1.674	94	2398	0.541	ppbv	86
7) Chloroethane	1.709	64	2229	0.559	ppbv #	82
8) Dichlorotetrafluoroethane	1.560	85	11537	0.536	ppbv	97
9) Propene	1.683	41	1021	0.123	ppbv	91
10) Heptane	5.004	43	16018	0.781	ppbv #	76
11) Trichlorofluoromethane	1.884	101	12499	0.493	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.149	101	10109	0.535	ppbv	99
13) Ethanol	1.725	45	1146	1.051	ppbv	87
14) Bromoethene	1.787	108	3722	0.602	ppbv #	74
15) Acetone	1.845	43	14343	0.512	ppbv #	76
16) 1,3-Butadiene	1.615	39	6178	0.563	ppbv	87
17) tert-Butyl alcohol	2.052	59	14823	0.611	ppbv #	65
18) 1,1-Dichloroethene	2.043	96	4747	0.600	ppbv	88
19) Isopropyl Alcohol	1.894	45	7928	0.603	ppbv #	34
20) Methylene Chloride	2.072	84	5533	0.691	ppbv	96
21) Allyl Chloride	2.104	41	10381	0.720	ppbv #	85
22) trans-1,2-Dichloroethene	2.350	96	5633	0.637	ppbv	88
23) Vinyl Acetate	2.473	43	8260	0.948	ppbv #	86
24) 1,1-Dichloroethane	2.421	63	10070	0.520	ppbv	98
25) Ethyl Acetate	2.855	43	35229	0.750	ppbv #	96
26) Hexane	2.842	57	14114	0.866	ppbv	96
27) Carbon Disulfide	2.159	76	12231	0.791	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	8168	0.665	ppbv #	24
29) Chloroform	2.861	83	18789	0.621	ppbv	89
30) Cyclohexane	3.881	84	5261	0.426	ppbv #	1
31) cis-1,2-Dichloroethene	2.735	61	12870	0.767	ppbv	95
32) 1,1,1-Trichloroethane	3.386	97	18209	0.664	ppbv	97
34) 2-Butanone	2.573	43	19843	0.551	ppbv	94
35) Carbon Tetrachloride	3.787	117	17679	0.511	ppbv	93
36) Benzene	3.677	78	27682	0.633	ppbv #	89
37) 1,2-Dichloroethane	3.234	62	13695	0.477	ppbv #	90
38) Trichloroethene	4.574	130	10787	0.642	ppbv	92
39) 1,2-Dichloropropane	4.337	63	5683	0.336	ppbv #	83
40) 1,4-Dioxane	4.625	88	1280	0.196	ppbv #	17
41) Tetrahydrofuran	3.081	42	11487	0.677	ppbv	97
42) Bromodichloromethane	4.515	83	18278	0.542	ppbv #	98
43) Methyl Methacrylate	4.913	69	10039	0.731	ppbv #	77
44) 2,2,4-Trimethylpentane	4.664	57	47096	0.654	ppbv	98
45) t-1,3-Dichloropropene	6.441	75	6152	0.459	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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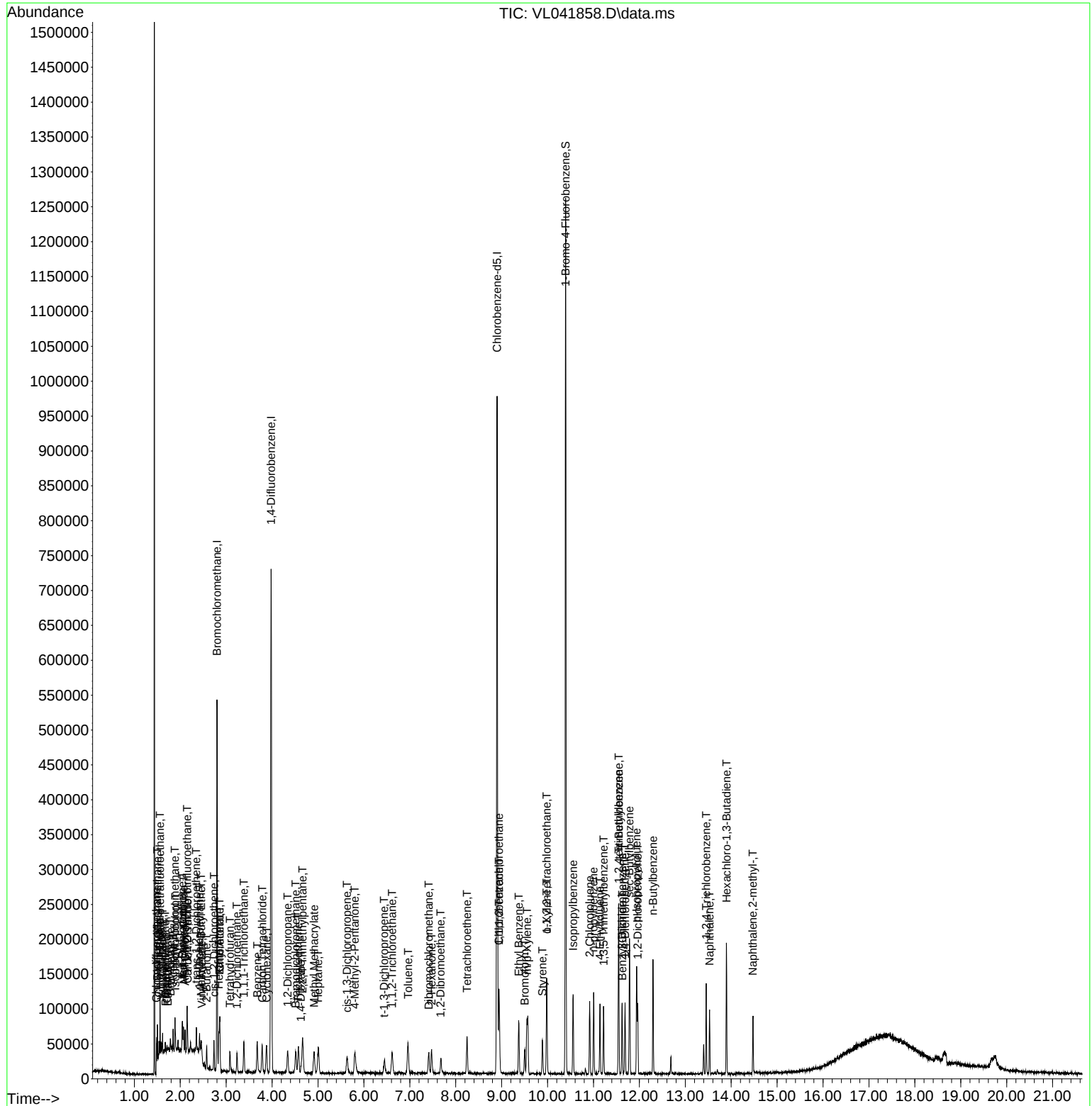
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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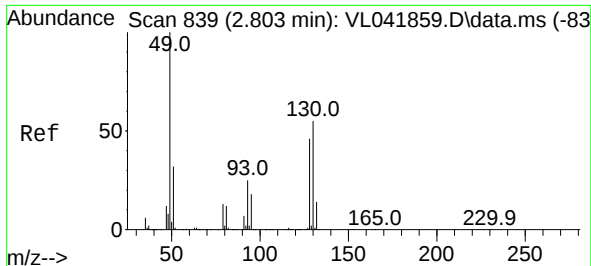
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	7309	0.414	ppbv #	74
47) 1,1,2-Trichloroethane	6.613	97	10118	0.567	ppbv	97
48) Dibromochloromethane	7.409	129	14439	0.634	ppbv	90
49) Bromoform	9.503	173	12600	0.691	ppbv	97
50) 4-Methyl-2-Pentanone	5.800	43	26263	0.630	ppbv	94
51) 2-Hexanone	7.474	43	22722	0.720	ppbv #	94
52) Tetrachloroethene	8.247	164	9249	0.714	ppbv	91
53) Toluene	6.962	91	32477	0.835	ppbv	98
54) 1,2-Dibromoethane	7.668	107	5043	0.230	ppbv	86
56) 1,1,1,2-Tetrachloroethane	8.940	131	13195	0.555	ppbv #	1
57) Chlorobenzene	8.943	112	24929	0.572	ppbv #	96
58) Ethyl Benzene	9.370	91	44339	0.780	ppbv	94
59) m/p-Xylene	9.552	91	34796	0.694	ppbv #	100
60) o-Xylene	9.982	91	35757	0.732	ppbv	97
61) Styrene	9.888	104	17788	0.939	ppbv	97
62) Isopropylbenzene	10.558	105	53304	0.695	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.982	83	21056	0.492	ppbv	97
64) n-propylbenzene	11.002	120	14050	0.714	ppbv	94
65) tert-Butylbenzene	11.549	119	49710	0.719	ppbv	98
66) Benzyl Chloride	11.629	91	5273	0.910	ppbv #	90
67) sec-Butylbenzene	11.782	105	67281	0.667	ppbv	98
69) p-Isopropyltoluene	11.940	119	57482	0.726	ppbv	97
70) n-Butylbenzene	12.296	91	58950	0.741	ppbv	99
71) 2-Chlorotoluene	10.917	91	39716	0.713	ppbv	98
72) 4-Ethyltoluene	11.141	105	42525	0.720	ppbv	97
73) 1,3,5-Trimethylbenzene	11.222	105	36438	0.704	ppbv	100
74) 1,2,4-Trimethylbenzene	11.552	105	40919	0.683	ppbv	94
75) 1,3-Dichlorobenzene	11.623	146	24151	0.602	ppbv	98
76) 1,4-Dichlorobenzene	11.688	146	22914	0.594	ppbv	94
77) 1,2-Dichlorobenzene	11.963	146	23472	0.562	ppbv	96
78) Hexachloro-1,3-Butadiene	13.898	225	20517	0.692	ppbv	98
79) Naphthalene	13.529	128	42804	0.970	ppbv	98
80) Naphthalene,2-methyl-	14.471	142	25791	1.579	ppbv	95
81) 1,2,4-Trichlorobenzene	13.455	180	21256	0.869	ppbv	99

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

Instrument :
MSVOA_L
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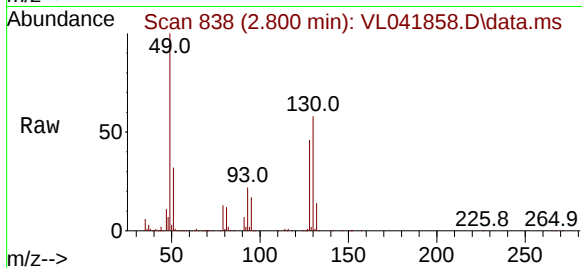
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ClientSampleId :



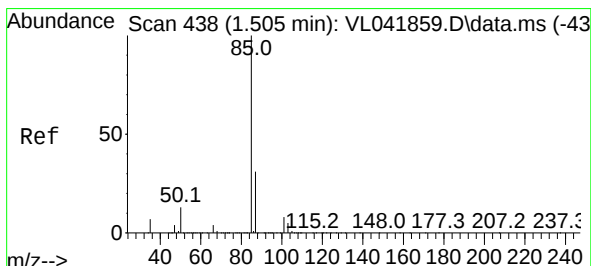
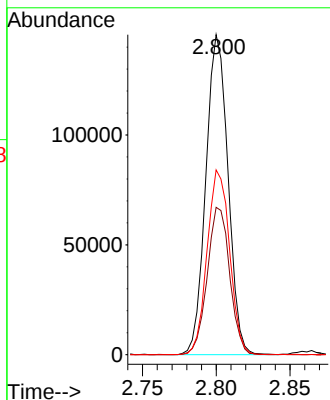
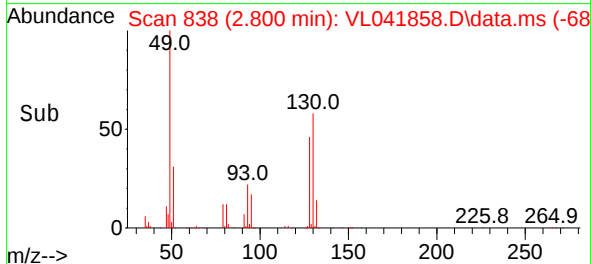


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 841
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Instrument :
MSVOA_L
ClientSampleId :

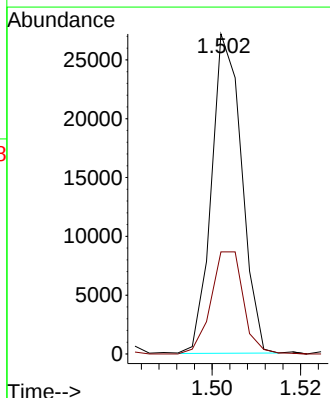
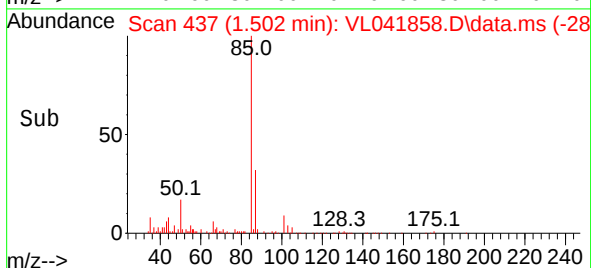
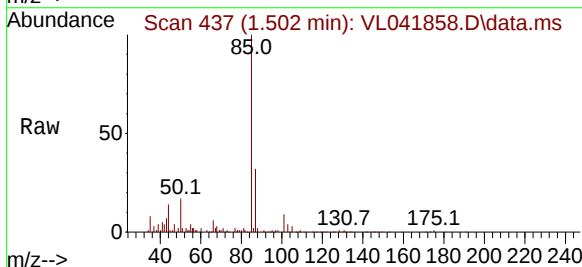


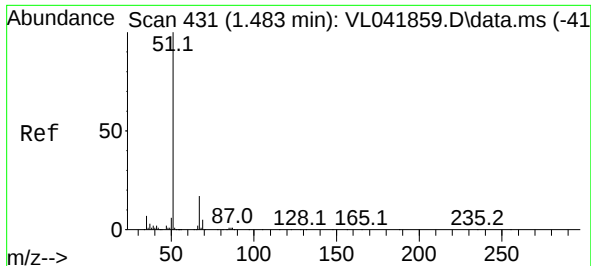
Tgt Ion: 49 Resp: 152105
Ion Ratio Lower Upper
49 100
128 46.8 23.2 69.5
130 58.6 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 0.516 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion: 85 Resp: 12871
Ion Ratio Lower Upper
85 100
87 32.0 25.2 37.8

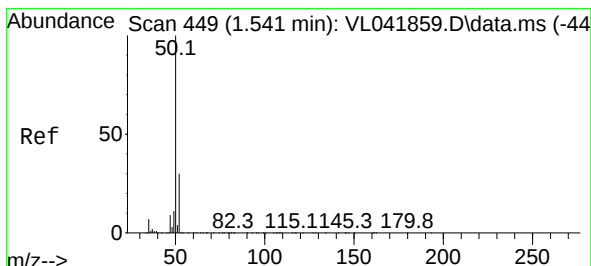
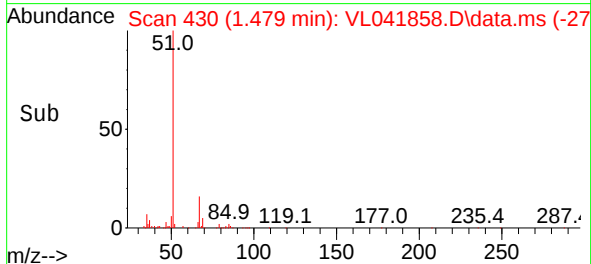
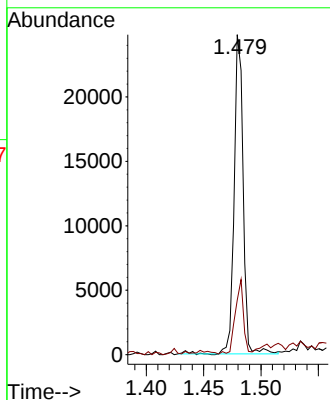
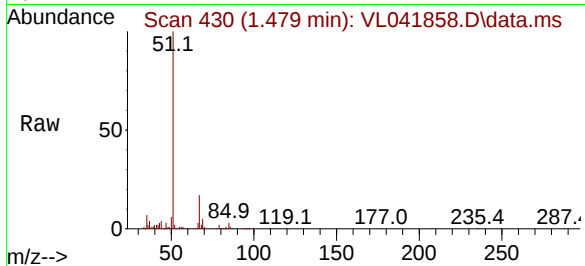




#3
Chlorodifluoromethane
Concen: 0.566 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

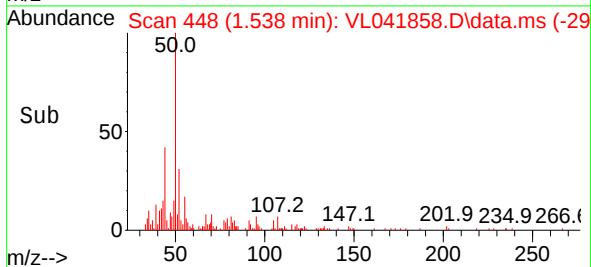
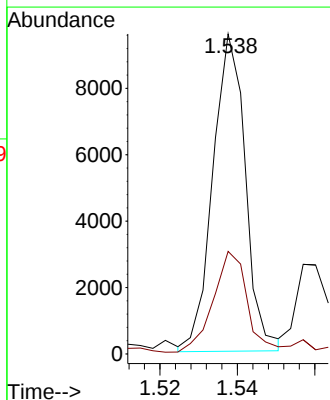
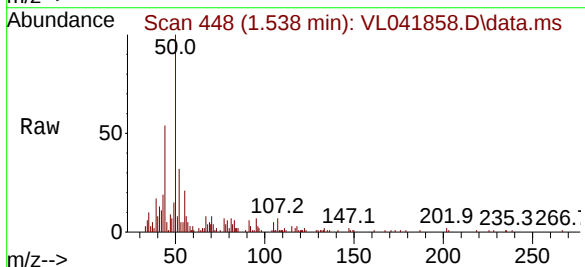
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ClientSampleId :

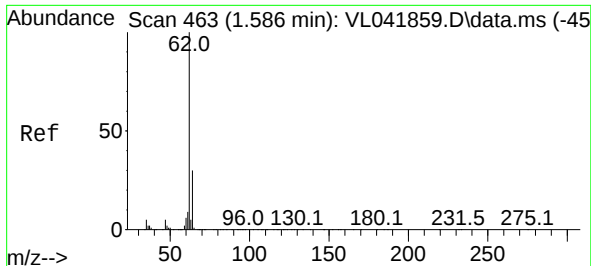
Tgt Ion: 51 Resp: 13501
Ion Ratio Lower Upper
51 100
67 26.8 13.8 20.8#



#4
Chloromethane
Concen: 0.545 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion: 50 Resp: 5589
Ion Ratio Lower Upper
50 100
52 30.5 23.9 35.9

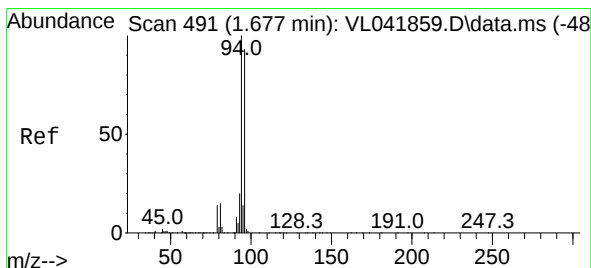
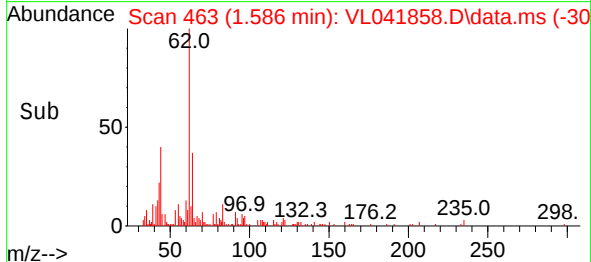
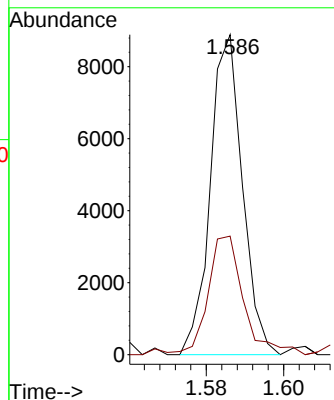
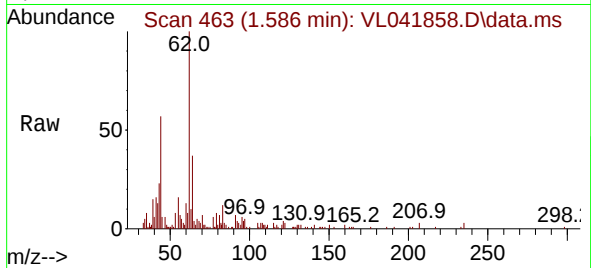




#5
 Vinyl Chloride
 Concen: 0.494 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. -0.000 min
 Lab File: VL041858.D
 Acq: 09 Jan 2025 10:33

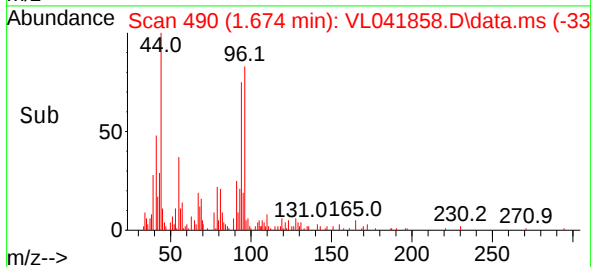
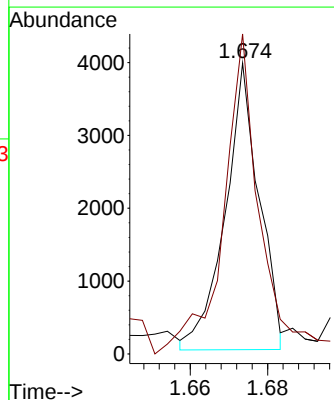
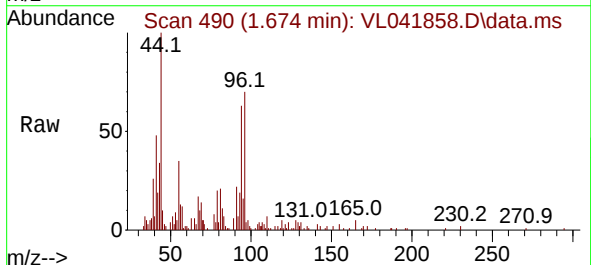
Instrument :
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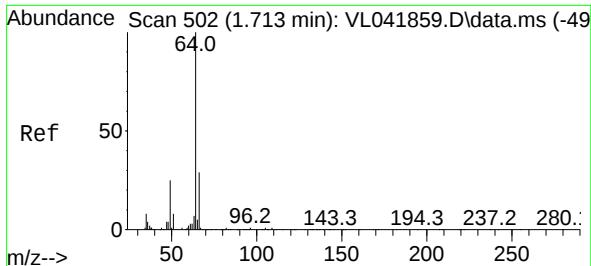
Tgt Ion: 62 Resp: 5115
 Ion Ratio Lower Upper
 62 100
 64 36.1 24.1 36.1



#6
 Bromomethane
 Concen: 0.541 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. -0.003 min
 Lab File: VL041858.D
 Acq: 09 Jan 2025 10:33

Tgt Ion: 94 Resp: 2398
 Ion Ratio Lower Upper
 94 100
 96 107.2 74.8 112.2

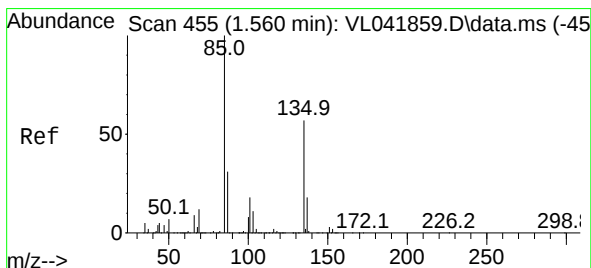
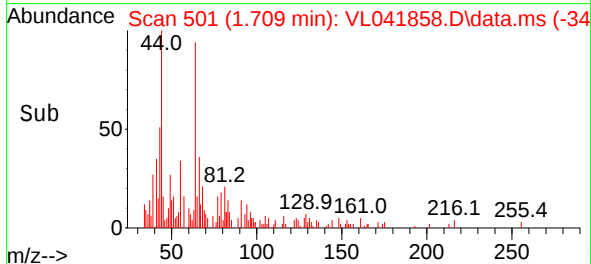
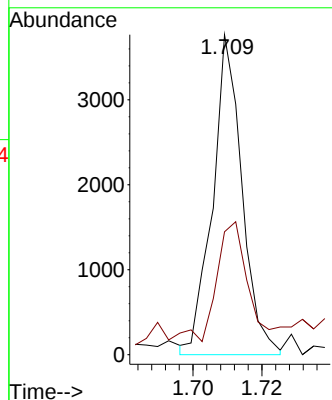
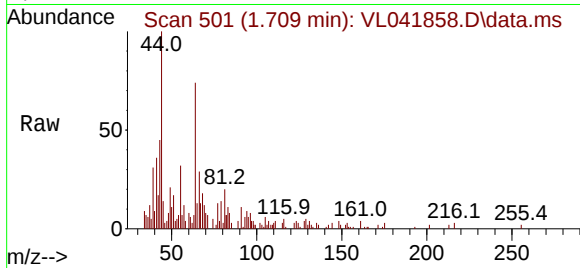




#7
Chloroethane
Concen: 0.559 ppbv
RT: 1.709 min Scan# 502
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

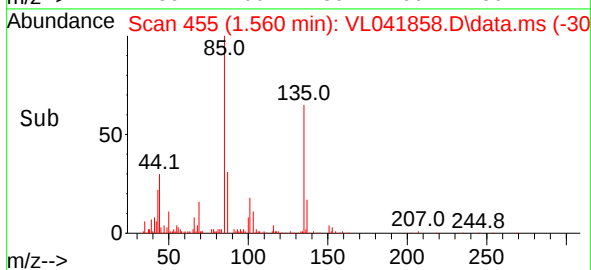
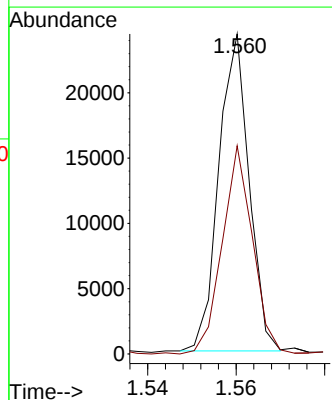
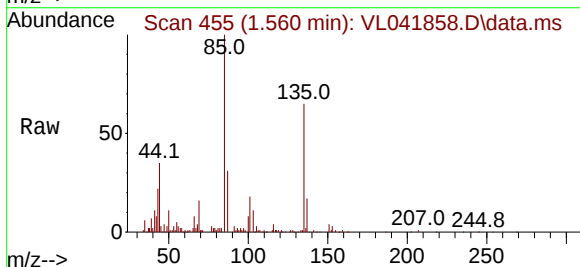
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ClientSampleId :

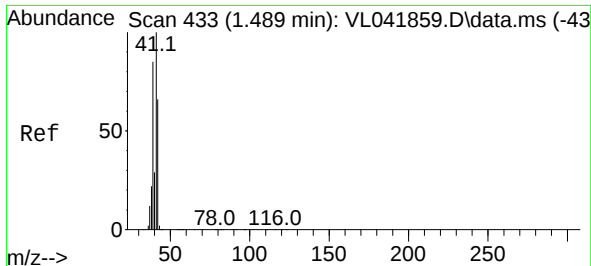
Tgt Ion: 64 Resp: 2229
Ion Ratio Lower Upper
64 100
66 38.4 23.0 34.6#



#8
Dichlorotetrafluoroethane
Concen: 0.536 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion: 85 Resp: 11537
Ion Ratio Lower Upper
85 100
135 67.5 52.2 78.4

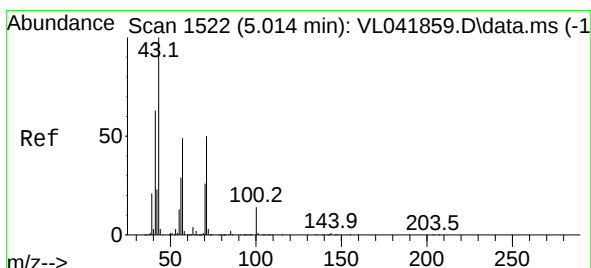
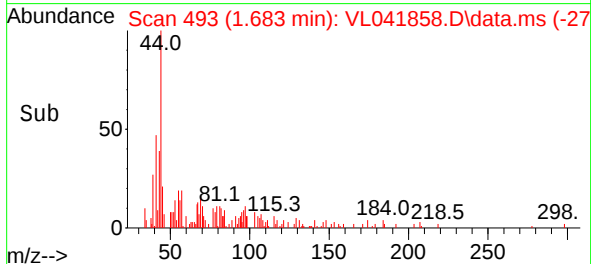
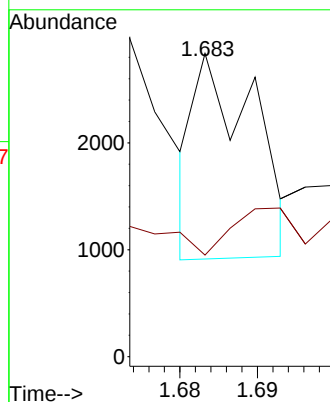
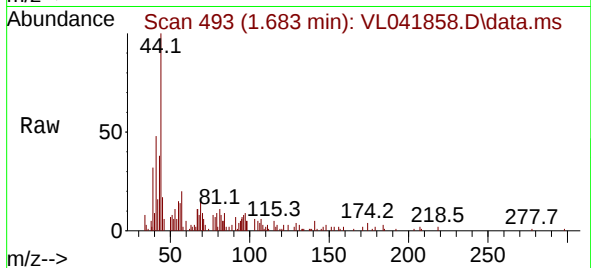




#9
Propene
Concen: 0.123 ppbv
RT: 1.683 min Scan# 41
Delta R.T. 0.194 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

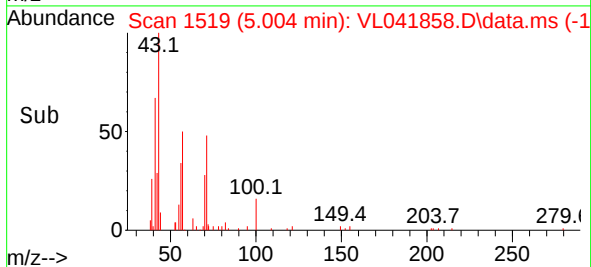
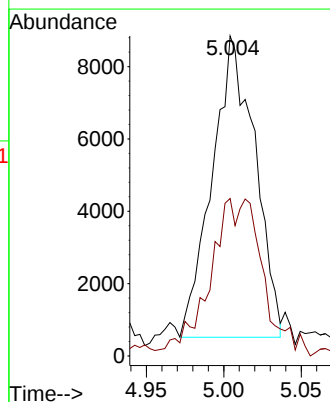
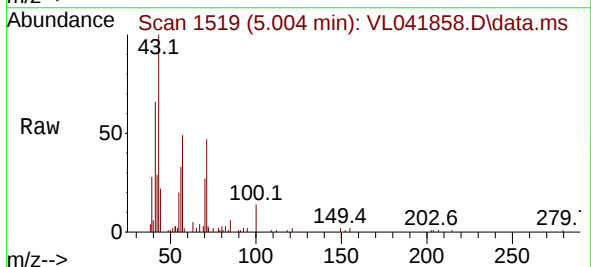
Instrument :
MSVOA_L
ClientSampleId :

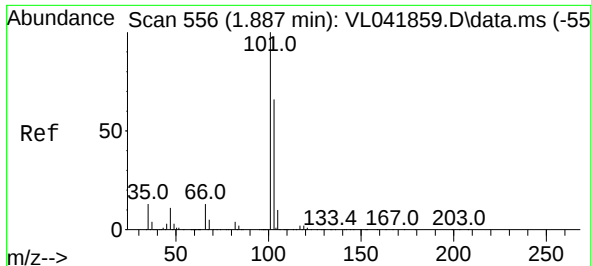
Tgt Ion: 41 Resp: 1021
Ion Ratio Lower Upper
41 100
42 73.8 53.0 79.6



#10
Heptane
Concen: 0.781 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. -0.010 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion: 43 Resp: 16018
Ion Ratio Lower Upper
43 100
57 66.7 40.2 60.2#





#11

Trichlorofluoromethane

Concen: 0.493 ppbv

RT: 1.884 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

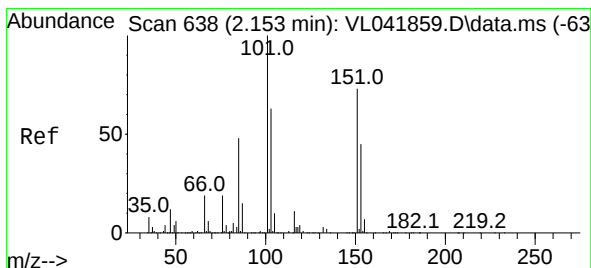
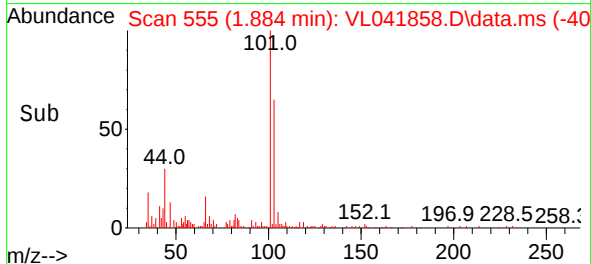
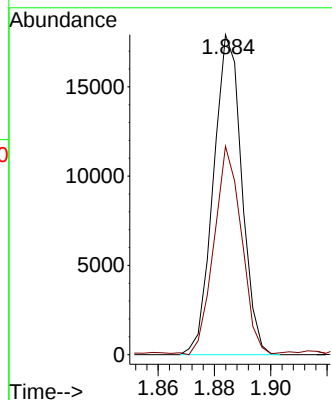
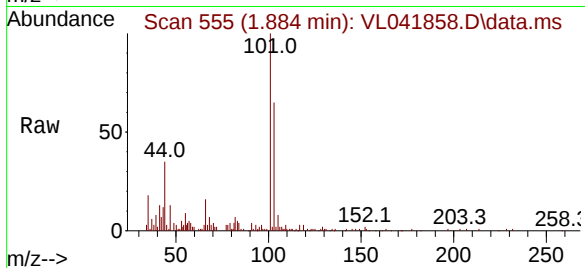
ClientSampleId :

Tgt Ion:101 Resp: 12499

Ion Ratio Lower Upper

101 100

103 64.6 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.535 ppbv

RT: 2.149 min Scan# 637

Delta R.T. -0.003 min

Lab File: VL041858.D

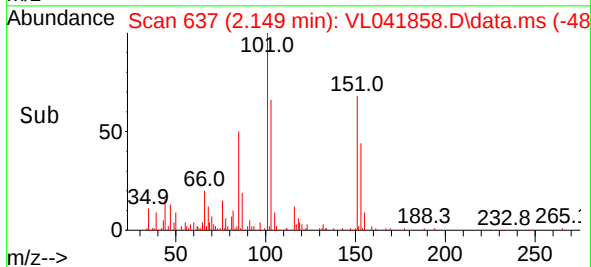
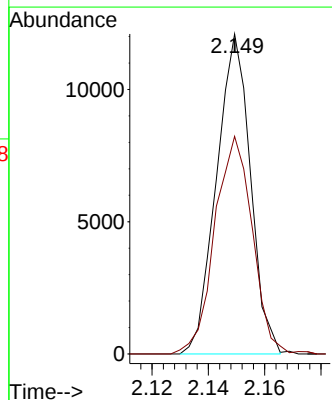
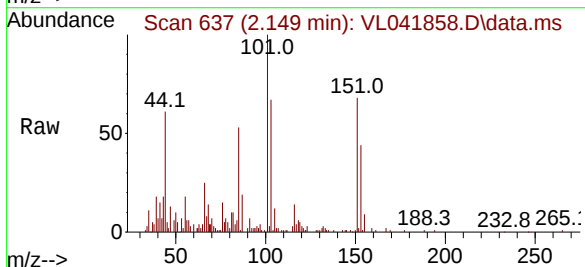
Acq: 09 Jan 2025 10:33

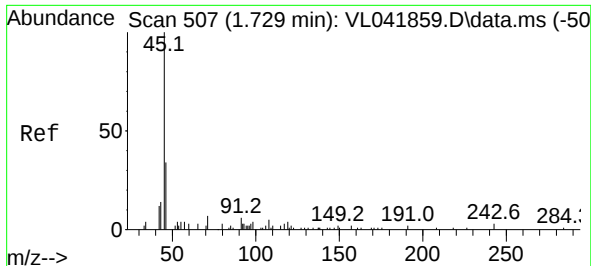
Tgt Ion:101 Resp: 10109

Ion Ratio Lower Upper

101 100

151 75.4 59.4 89.0





#13

Ethanol

Concen: 1.051 ppbv

RT: 1.725 min Scan# 507

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

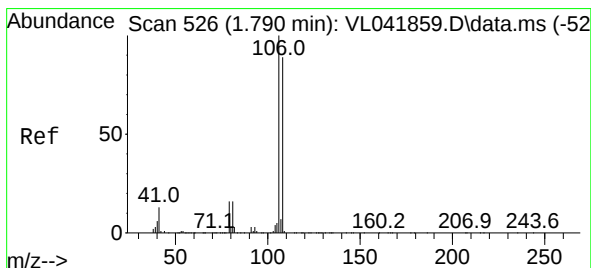
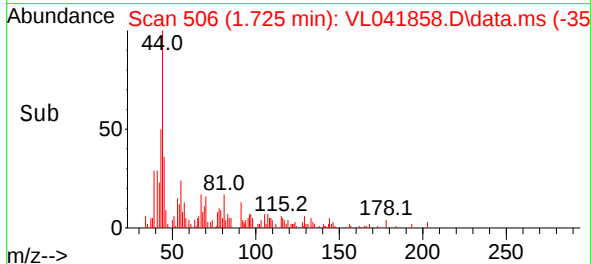
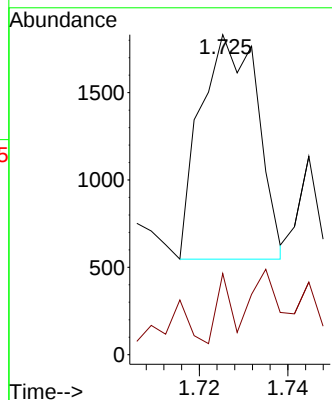
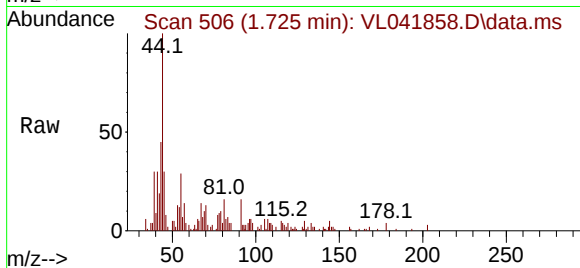
ClientSampleId :

Tgt Ion: 45 Resp: 1146

Ion Ratio Lower Upper

45 100

46 56.4 19.0 76.0



#14

Bromoethene

Concen: 0.602 ppbv

RT: 1.787 min Scan# 525

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

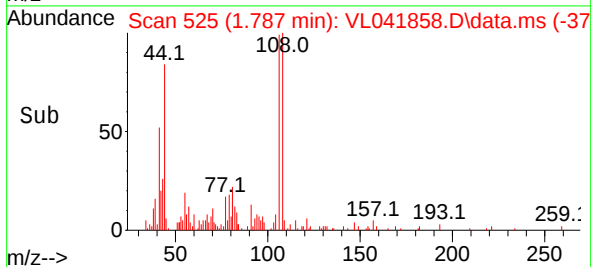
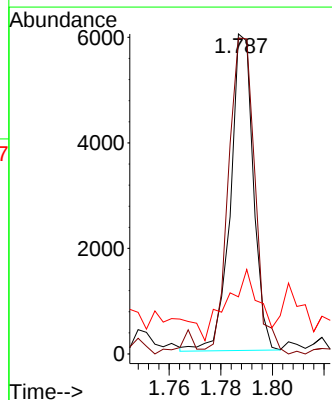
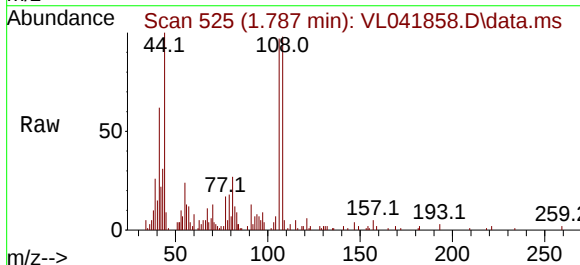
Tgt Ion:108 Resp: 3722

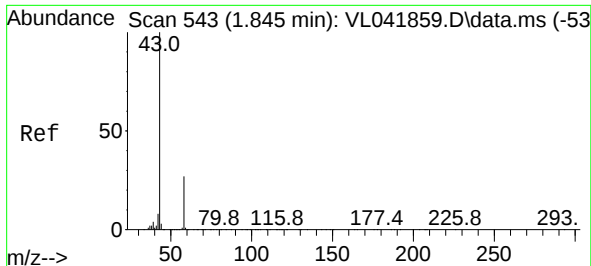
Ion Ratio Lower Upper

108 100

106 119.0 86.9 130.3

79 72.2 15.6 23.4#





#15

Acetone

Concen: 0.512 ppbv

RT: 1.845 min Scan# 543

Delta R.T. -0.000 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

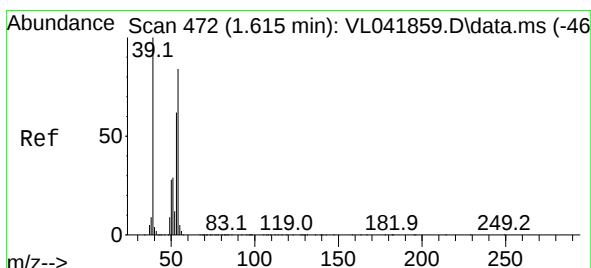
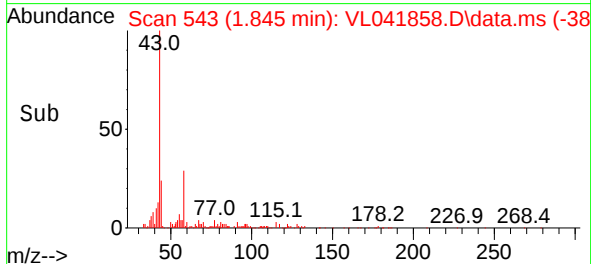
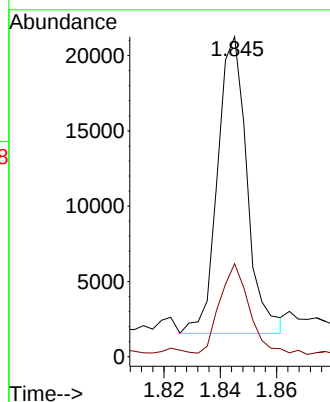
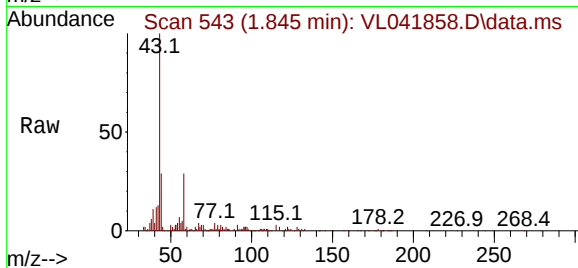
ClientSampleId :

Tgt Ion: 43 Resp: 14343

Ion Ratio Lower Upper

43 100

58 41.1 22.7 34.1#



#16

1,3-Butadiene

Concen: 0.563 ppbv

RT: 1.615 min Scan# 472

Delta R.T. -0.000 min

Lab File: VL041858.D

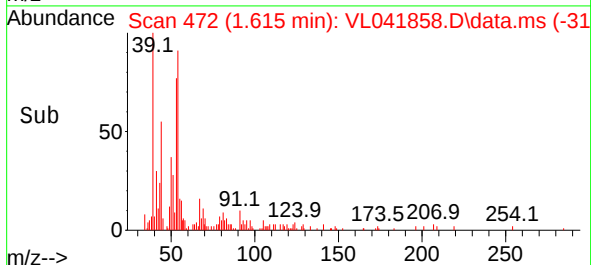
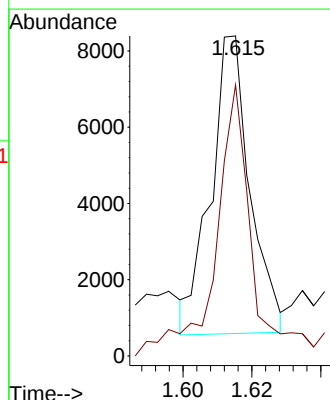
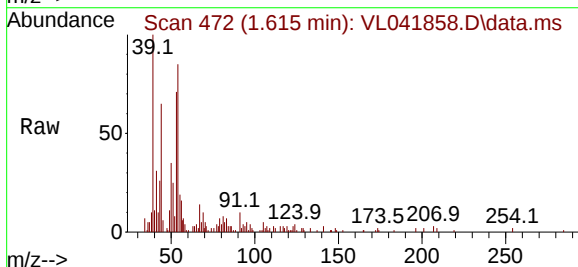
Acq: 09 Jan 2025 10:33

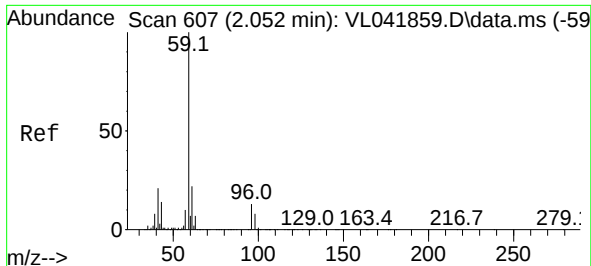
Tgt Ion: 39 Resp: 6178

Ion Ratio Lower Upper

39 100

54 86.4 60.1 90.1





#17

tert-Butyl alcohol

Concen: 0.611 ppbv

RT: 2.052 min Scan# 607

Delta R.T. -0.000 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

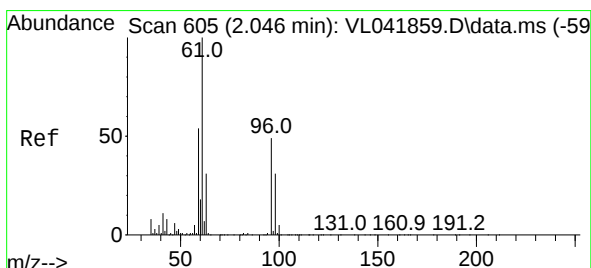
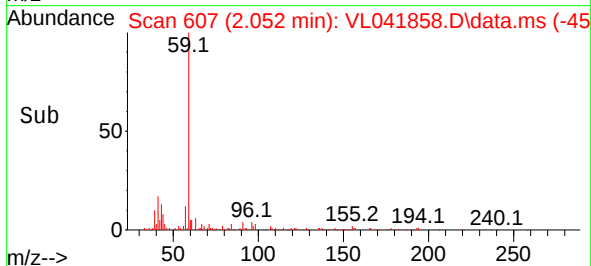
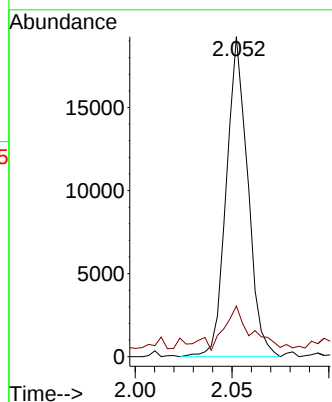
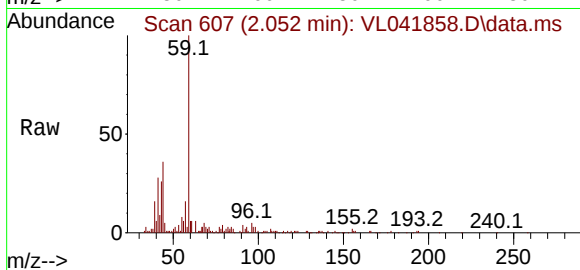
ClientSampleId :

Tgt Ion: 59 Resp: 14823

Ion Ratio Lower Upper

59 100

57 23.3 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.600 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

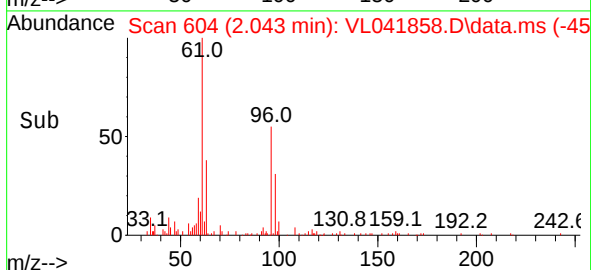
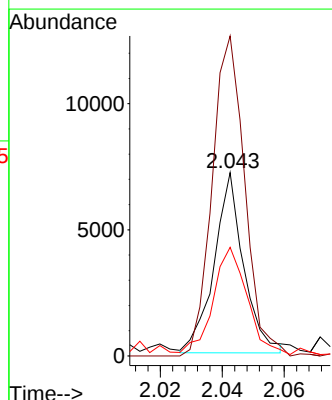
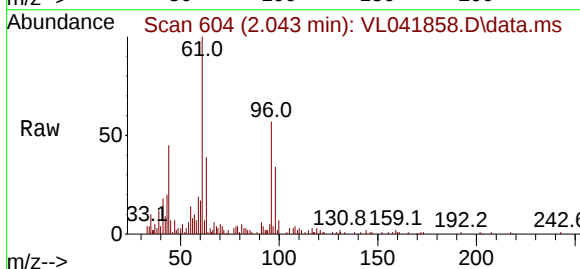
Tgt Ion: 96 Resp: 4747

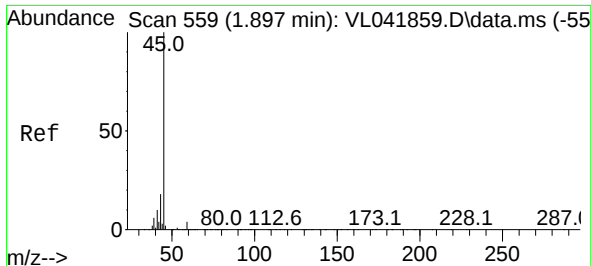
Ion Ratio Lower Upper

96 100

61 180.1 161.7 242.5

98 59.1 51.0 76.4





#19

Isopropyl Alcohol

Concen: 0.603 ppbv

RT: 1.894 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

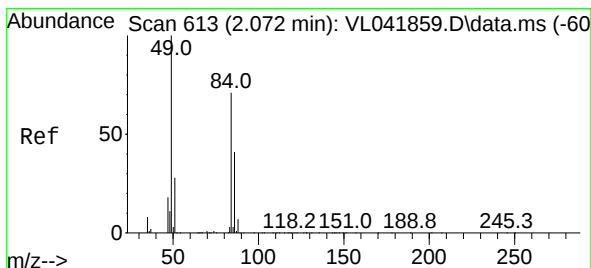
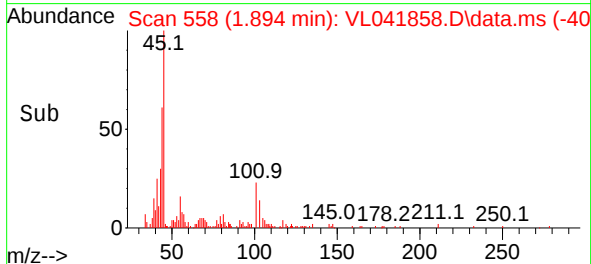
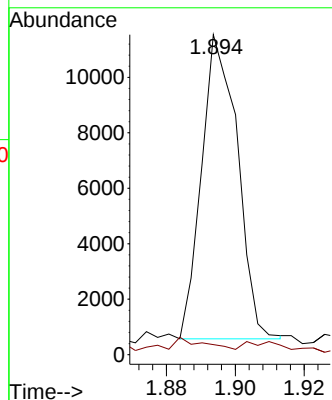
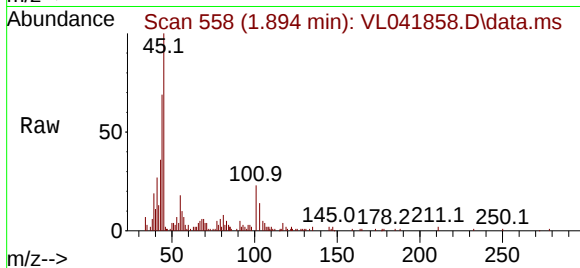
ClientSampleId :

Tgt Ion: 45 Resp: 7928

Ion Ratio Lower Upper

45 100

58 2.8 37.0 55.6#



#20

Methylene Chloride

Concen: 0.691 ppbv

RT: 2.072 min Scan# 613

Delta R.T. -0.000 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Tgt Ion: 84 Resp: 5533

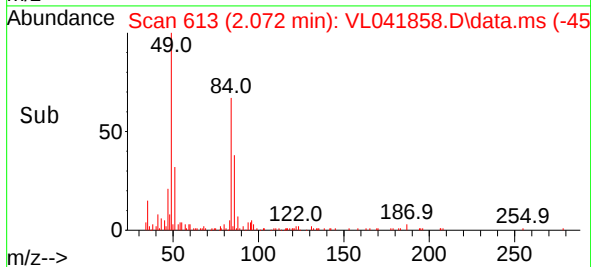
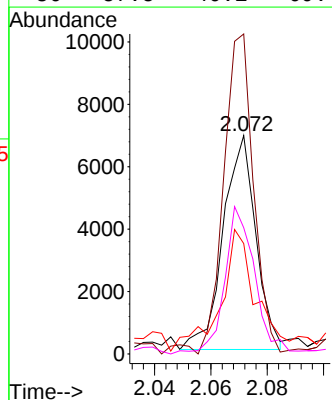
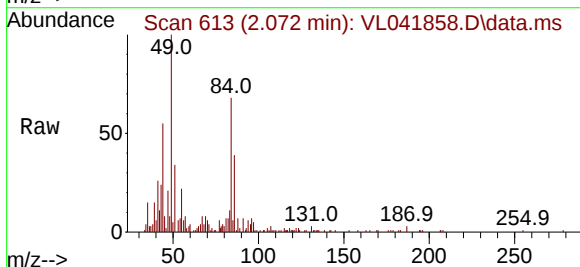
Ion Ratio Lower Upper

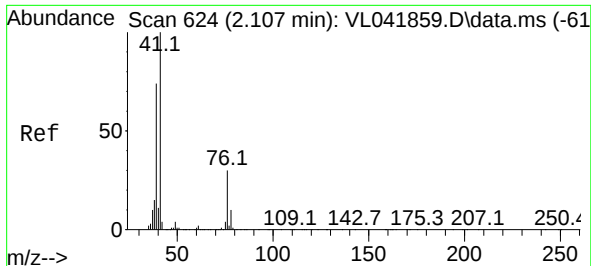
84 100

49 148.7 113.8 170.8

51 43.8 33.5 50.3

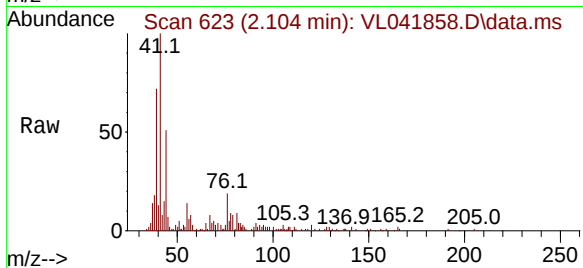
86 57.5 46.2 69.4



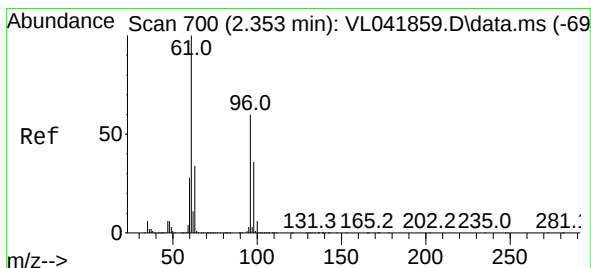
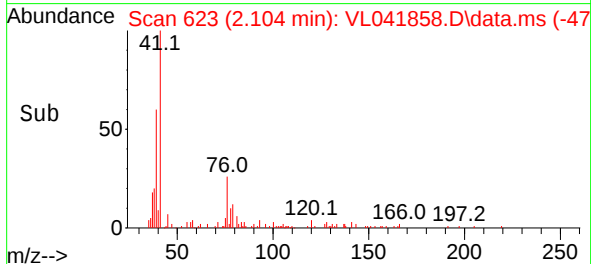
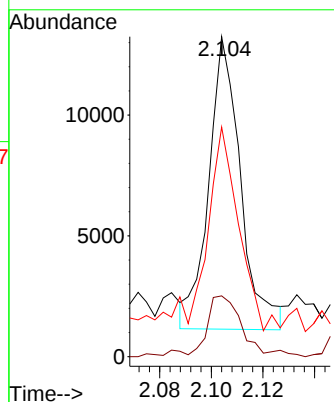


#21
 Allyl Chloride
 Concen: 0.720 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL041858.D
 Acq: 09 Jan 2025 10:33

Instrument :
 MSVOA_L
 ClientSampleId :

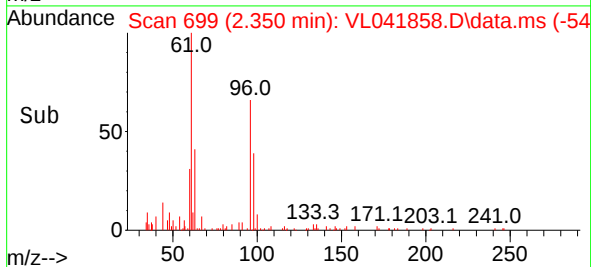
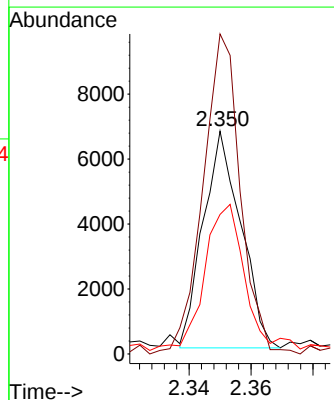
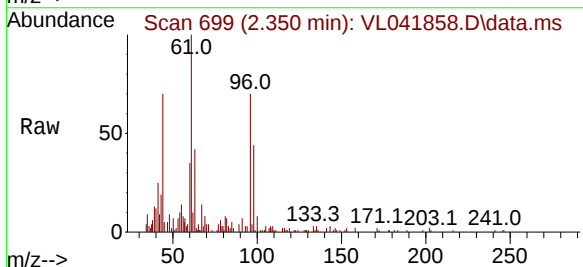


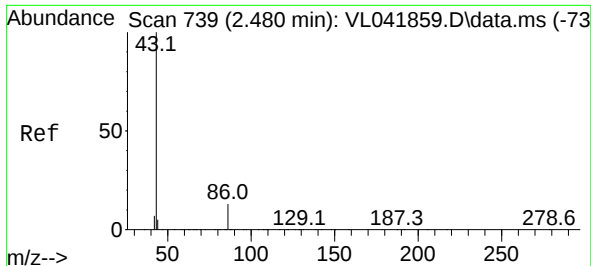
Tgt Ion: 41 Resp: 10381
 Ion Ratio Lower Upper
 41 100
 76 24.4 24.6 36.8#
 39 89.1 60.1 90.1



#22
 trans-1,2-Dichloroethene
 Concen: 0.637 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. -0.003 min
 Lab File: VL041858.D
 Acq: 09 Jan 2025 10:33

Tgt Ion: 96 Resp: 5633
 Ion Ratio Lower Upper
 96 100
 61 145.7 134.2 201.4
 98 60.7 49.0 73.4





#23

Vinyl Acetate

Concen: 0.948 ppbv

RT: 2.473 min Scan# 741

Delta R.T. -0.007 min

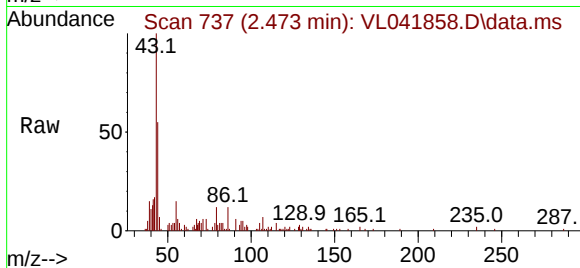
Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 8260

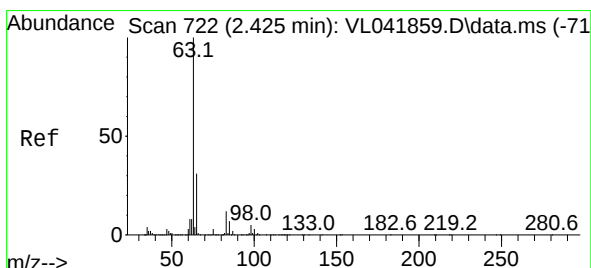
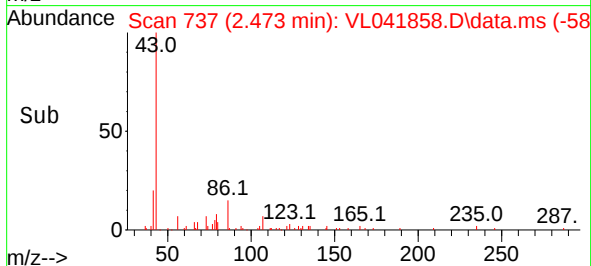
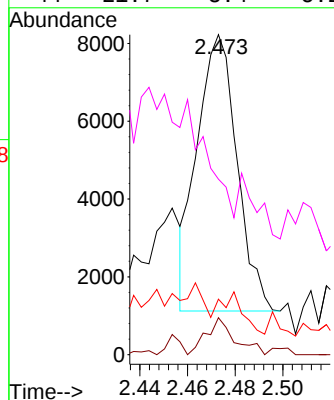
Ion Ratio Lower Upper

43 100

86 11.2 7.8 11.6

42 10.8 7.0 10.4#

44 21.7 3.4 5.2#



#24

1,1-Dichloroethane

Concen: 0.520 ppbv

RT: 2.421 min Scan# 721

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

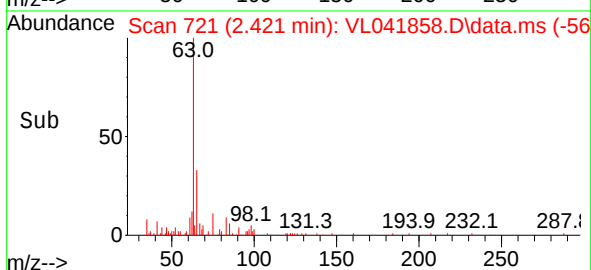
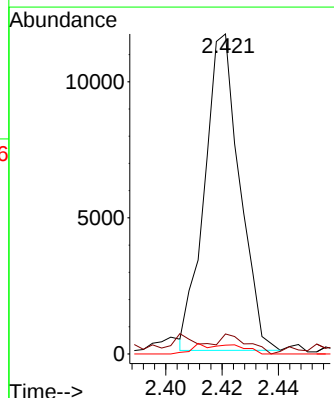
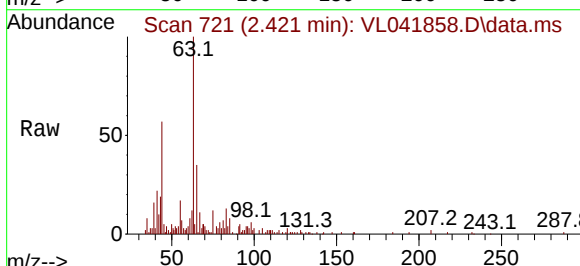
Tgt Ion: 63 Resp: 10070

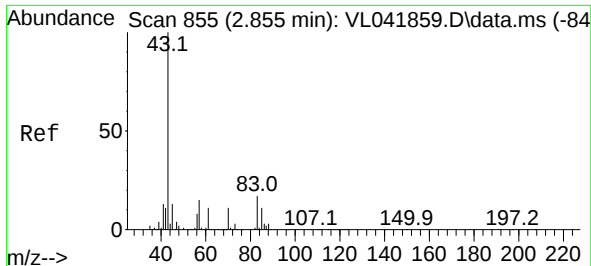
Ion Ratio Lower Upper

63 100

98 5.6 2.3 6.9

100 2.8 1.3 3.8

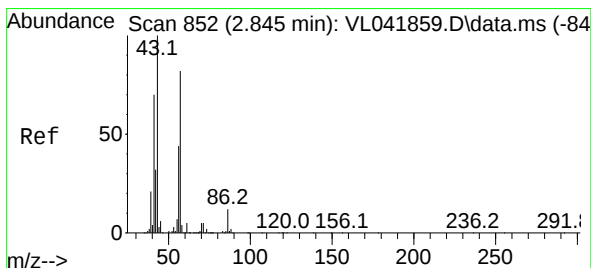
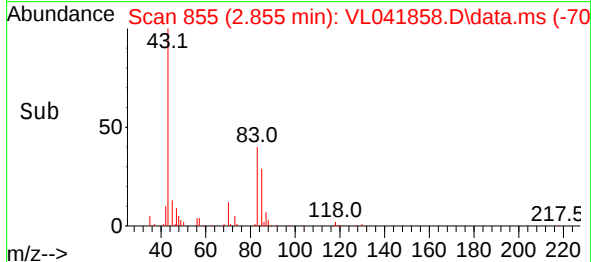
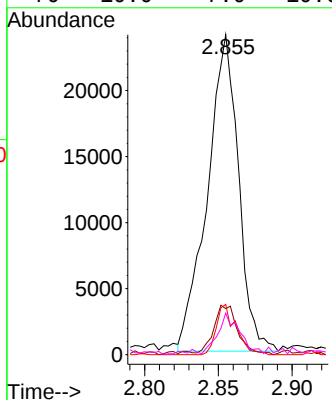
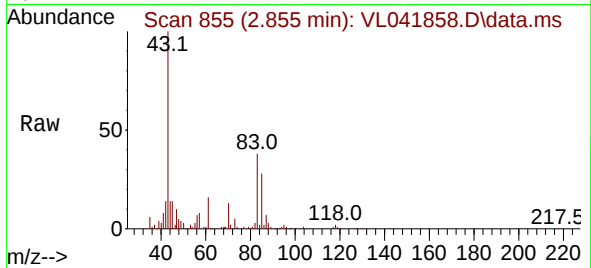




#25
Ethyl Acetate
Concen: 0.750 ppbv
RT: 2.855 min Scan# 855
Delta R.T. -0.000 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

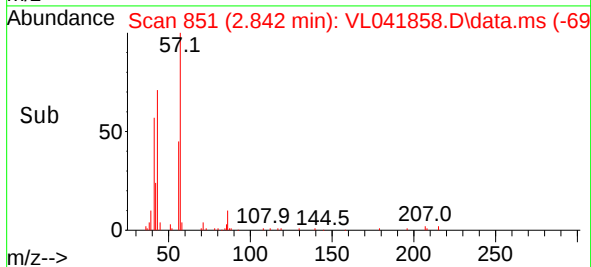
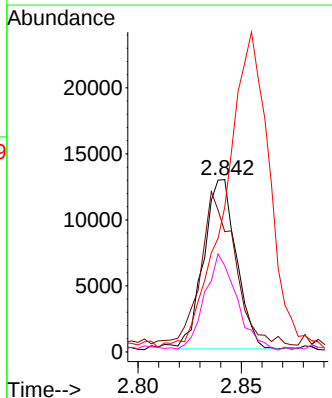
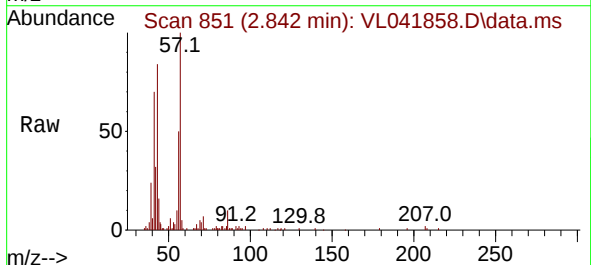
Instrument :
MSVOA_L
ClientSampleId :

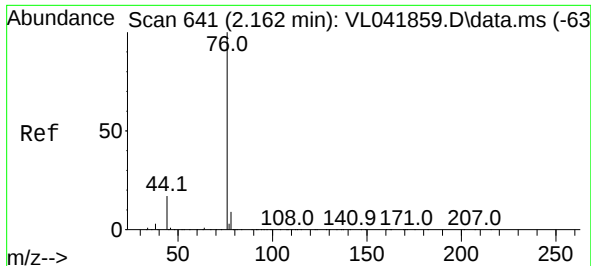
Tgt	Ion: 43	Resp:	35229
Ion	Ratio	Lower	Upper
43	100		
45	12.8	8.4	12.6#
61	10.1	7.3	10.9
70	10.0	7.0	10.6



#26
Hexane
Concen: 0.866 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion: 57	Resp: 14114
Ion Ratio	Lower Upper
57 100	
41 96.5	71.5 107.3
43 252.1	200.2 300.4
56 59.3	42.2 63.4

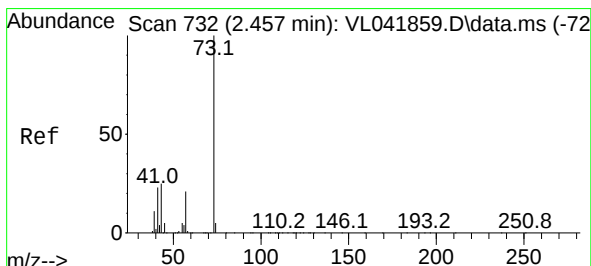
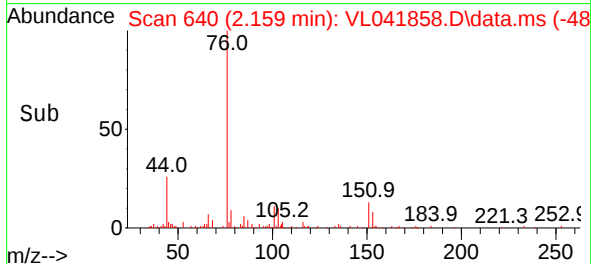
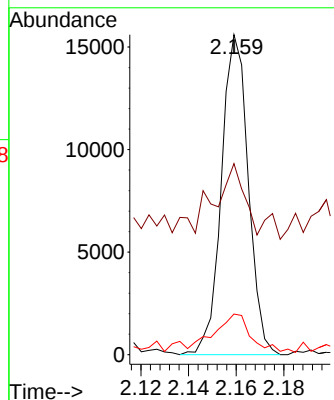
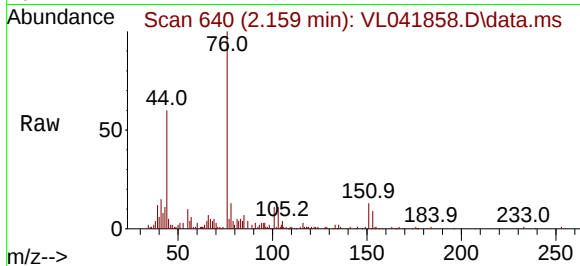




#27
Carbon Disulfide
Concen: 0.791 ppbv
RT: 2.159 min Scan# 641
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

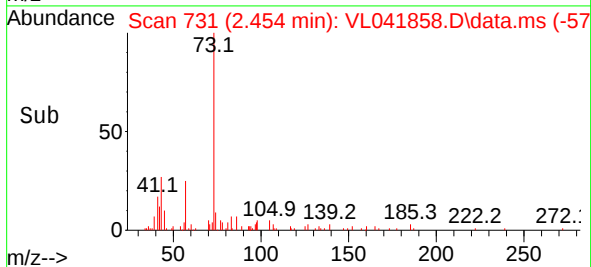
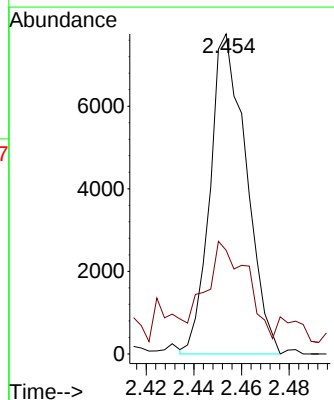
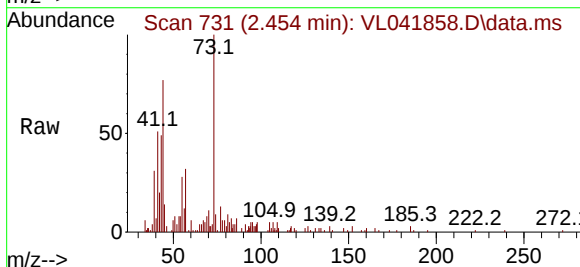
Instrument :
MSVOA_L
ClientSampleId :

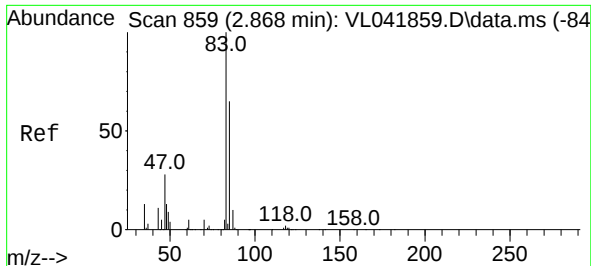
Tgt Ion: 76 Resp: 12231
Ion Ratio Lower Upper
76 100
44 180.0 13.1 19.7#
78 22.4 9.5 14.3#



#28
Methyl tert-Butyl Ether
Concen: 0.665 ppbv
RT: 2.454 min Scan# 731
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion: 73 Resp: 8168
Ion Ratio Lower Upper
73 100
57 57.9 17.5 26.3#





#29

Chloroform

Concen: 0.621 ppbv

RT: 2.861 min Scan# 85

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

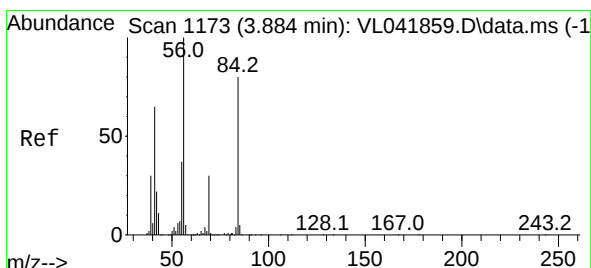
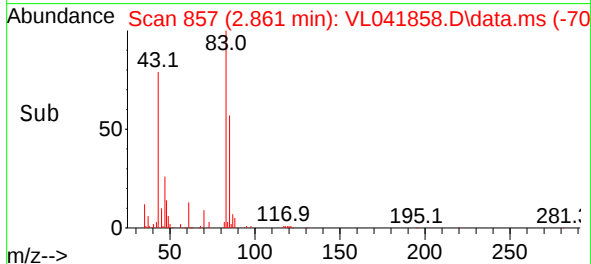
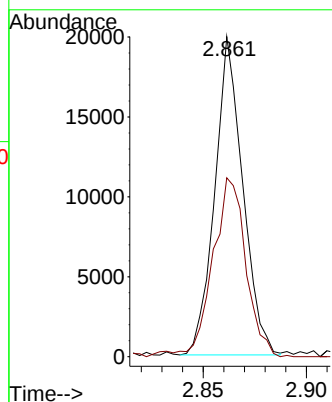
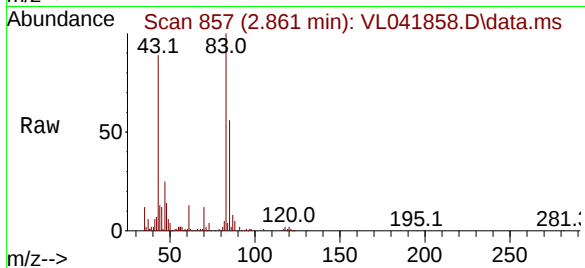
ClientSampleId :

Tgt Ion: 83 Resp: 18789

Ion Ratio Lower Upper

83 100

85 56.2 51.7 77.5



#30

Cyclohexane

Concen: 0.426 ppbv

RT: 3.881 min Scan# 1172

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

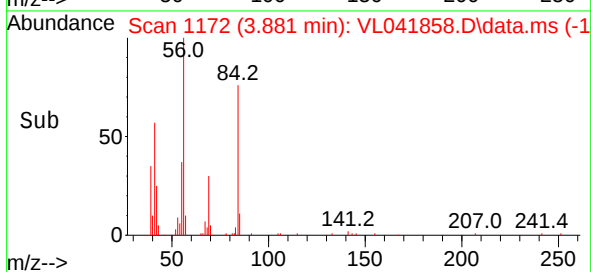
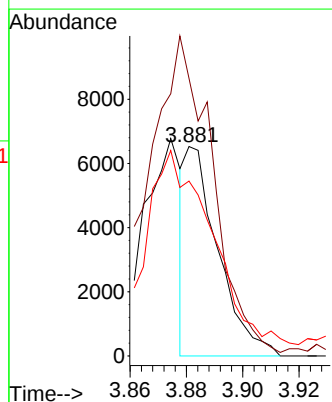
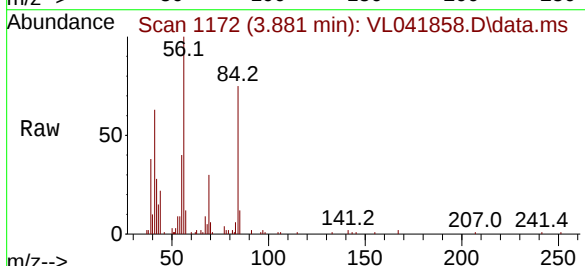
Tgt Ion: 84 Resp: 5261

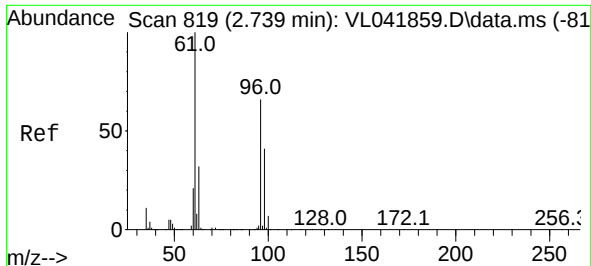
Ion Ratio Lower Upper

84 100

56 304.0 100.7 151.1#

41 0.0 62.8 94.2#

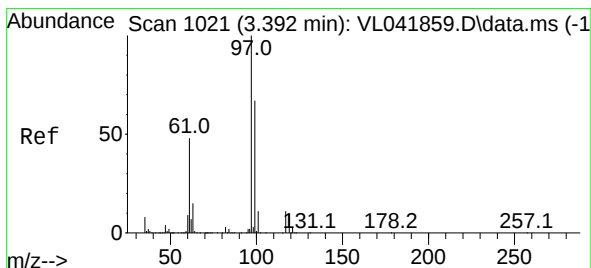
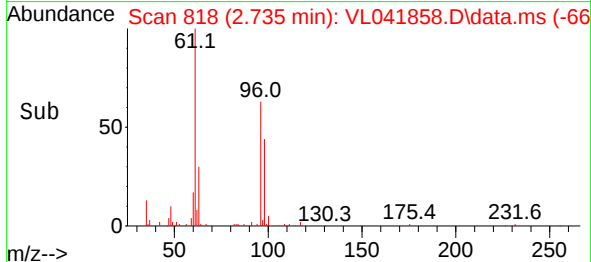
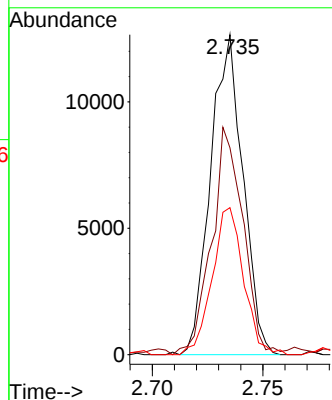
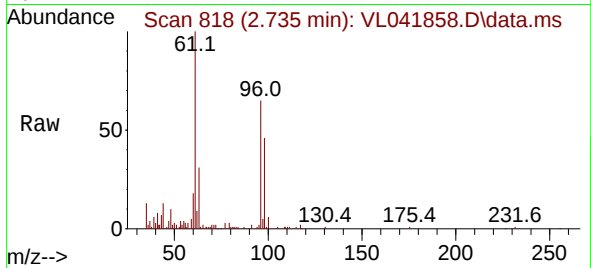




#31
 cis-1,2-Dichloroethene
 Concen: 0.767 ppbv
 RT: 2.735 min Scan# 819
 Delta R.T. -0.003 min
 Lab File: VL041858.D
 Acq: 09 Jan 2025 10:33

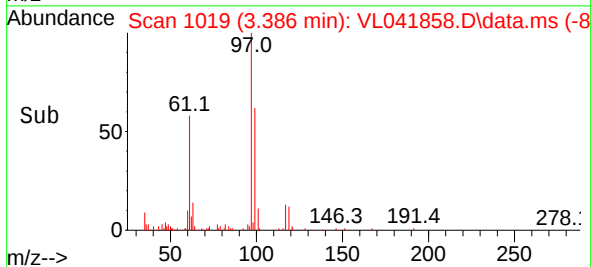
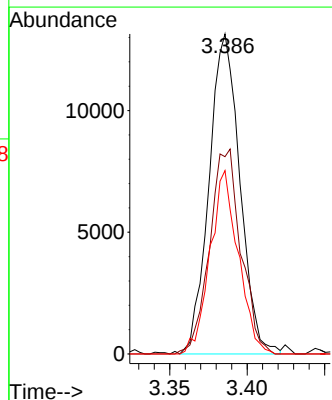
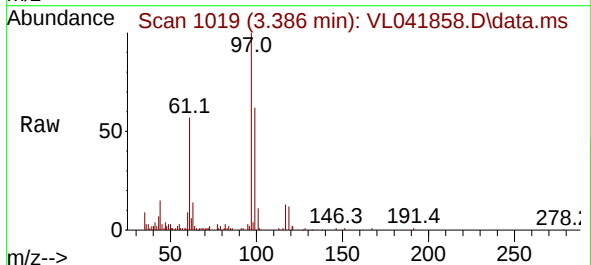
Instrument :
 MSVOA_L
 ClientSampleId :

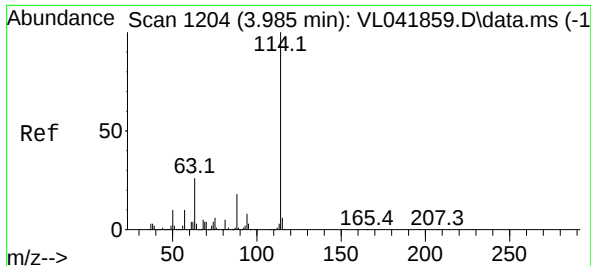
Tgt Ion: 61 Resp: 12870
 Ion Ratio Lower Upper
 61 100
 96 63.6 53.2 79.8
 98 46.0 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 0.664 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. -0.007 min
 Lab File: VL041858.D
 Acq: 09 Jan 2025 10:33

Tgt Ion: 97 Resp: 18209
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.0 78.0
 61 52.6 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :

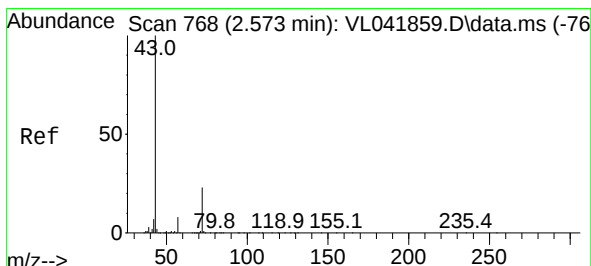
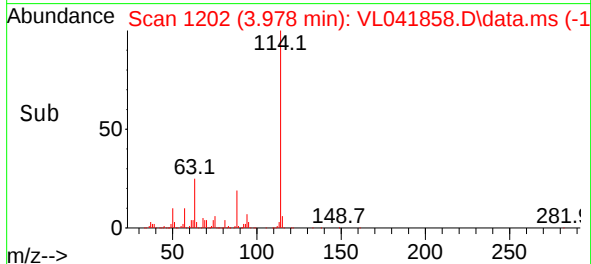
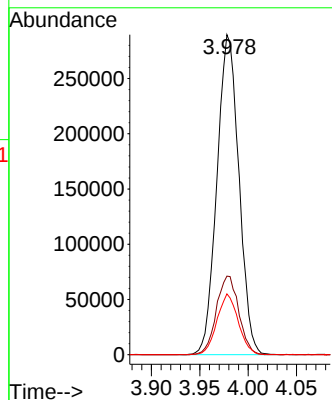
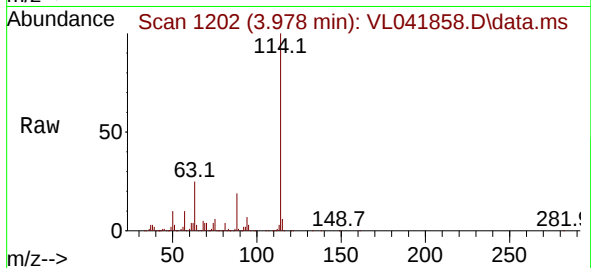
Tgt Ion:114 Resp: 457513

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 18.4 14.6 21.8



#34

2-Butanone

Concen: 0.551 ppbv

RT: 2.573 min Scan# 768

Delta R.T. -0.000 min

Lab File: VL041858.D

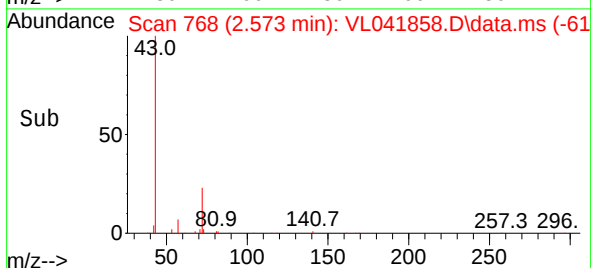
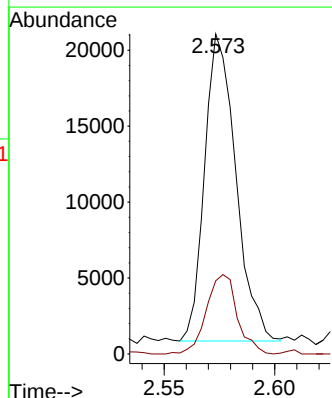
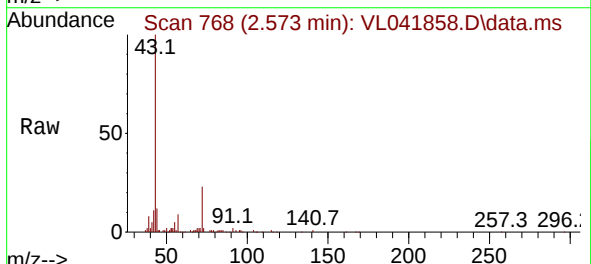
Acq: 09 Jan 2025 10:33

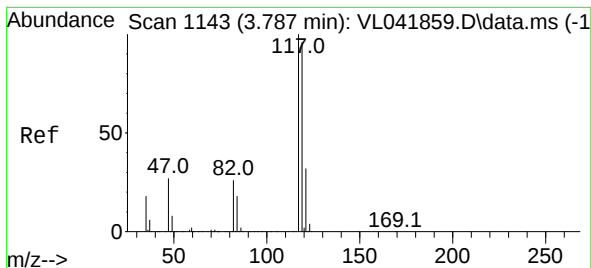
Tgt Ion: 43 Resp: 19843

Ion Ratio Lower Upper

43 100

72 26.0 18.5 27.7





#35

Carbon Tetrachloride

Concen: 0.511 ppbv

RT: 3.787 min Scan# 1143

Delta R.T. -0.000 min

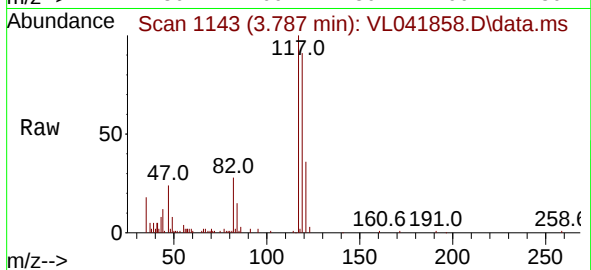
Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :



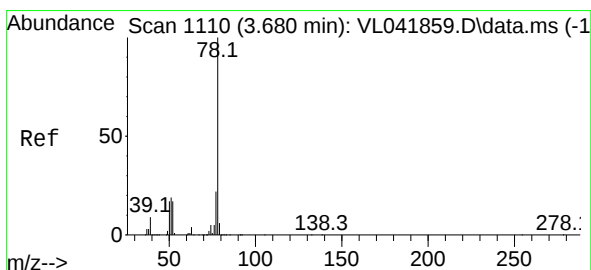
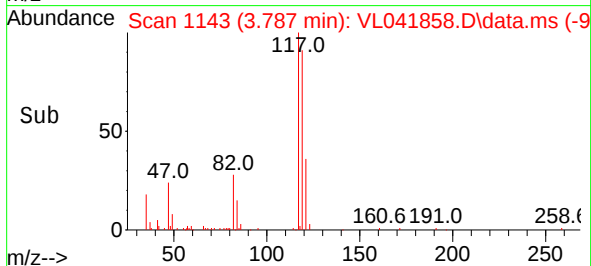
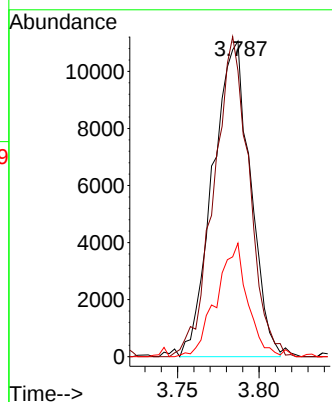
Tgt Ion:117 Resp: 17679

Ion Ratio Lower Upper

117 100

119 88.3 76.9 115.3

121 35.5 25.9 38.9



#36

Benzene

Concen: 0.633 ppbv

RT: 3.677 min Scan# 1109

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

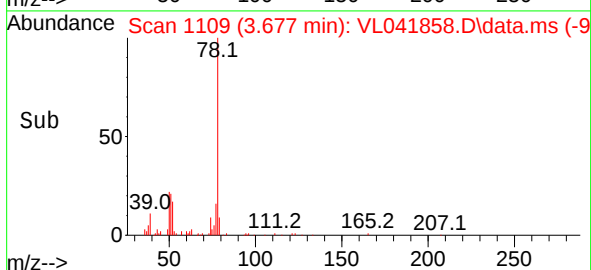
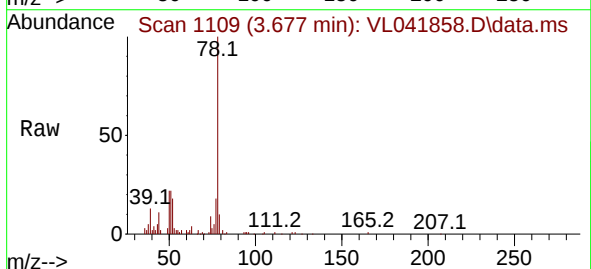
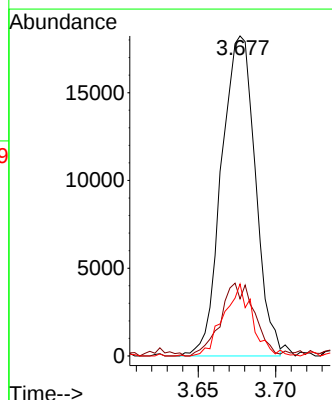
Tgt Ion: 78 Resp: 27682

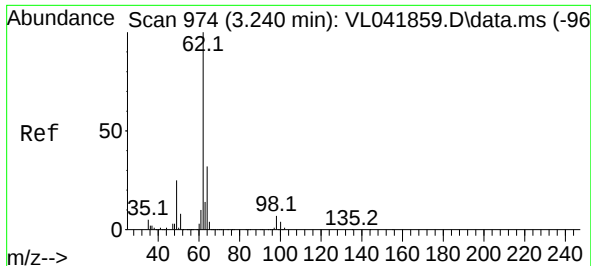
Ion Ratio Lower Upper

78 100

77 17.3 17.9 26.9#

50 22.2 13.7 20.5#





#37

1,2-Dichloroethane

Concen: 0.477 ppbv

RT: 3.234 min Scan# 91

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

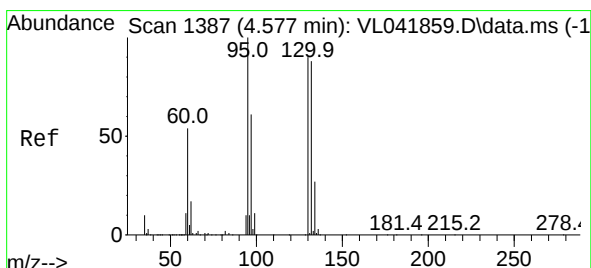
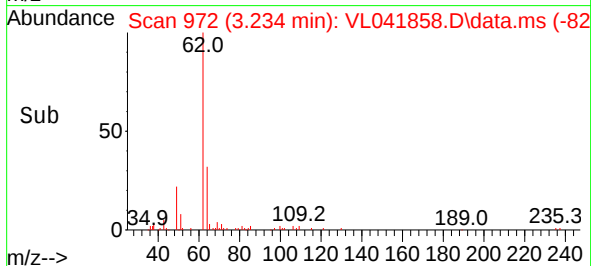
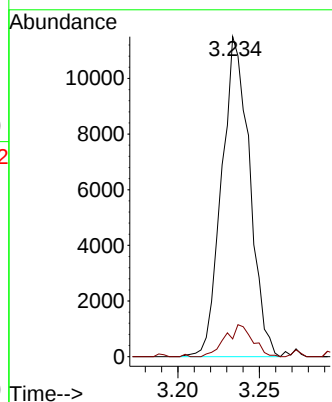
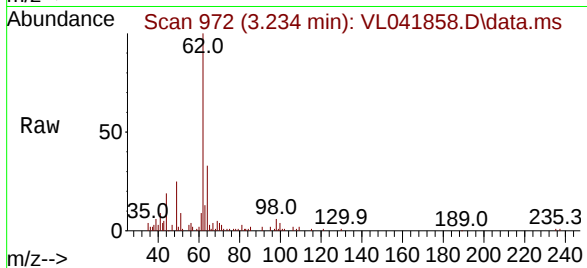
ClientSampleId :

Tgt Ion: 62 Resp: 13695

Ion Ratio Lower Upper

62 100

98 10.3 5.6 8.4#



#38

Trichloroethene

Concen: 0.642 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Tgt Ion:130 Resp: 10787

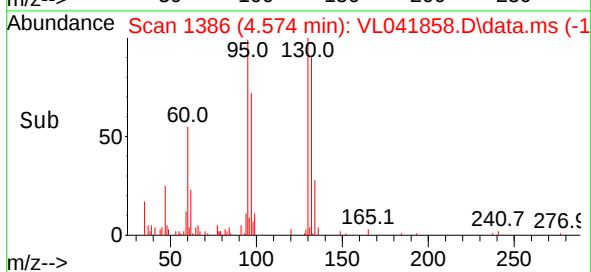
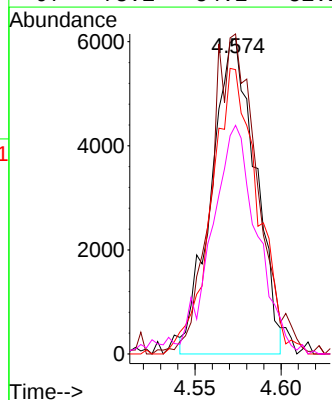
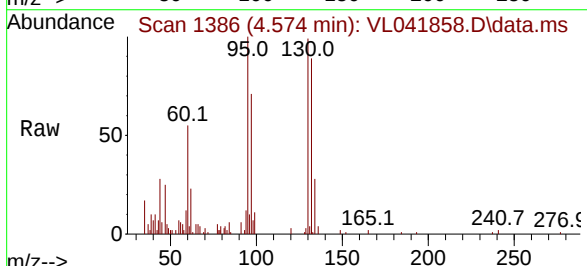
Ion Ratio Lower Upper

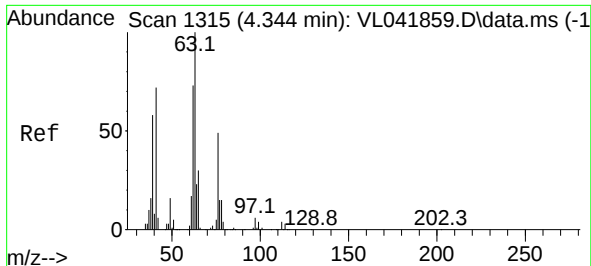
130 100

95 102.8 88.5 132.7

132 87.7 78.2 117.2

97 73.1 54.2 81.2





#39

1,2-Dichloropropane

Concen: 0.336 ppbv

RT: 4.337 min Scan# 1401

Delta R.T. -0.007 min

Lab File: VL041858.D

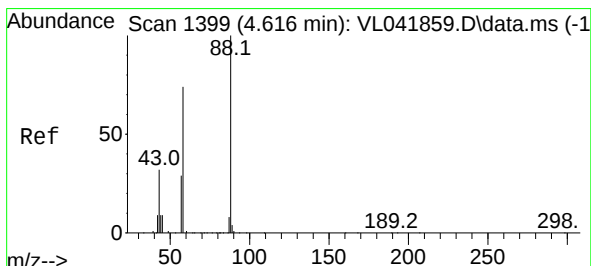
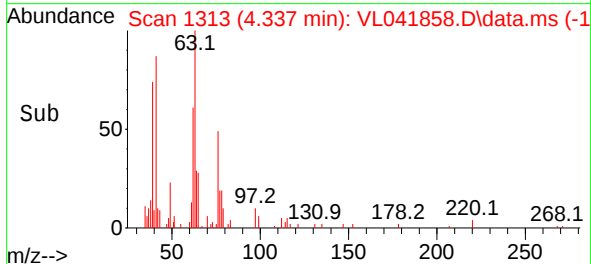
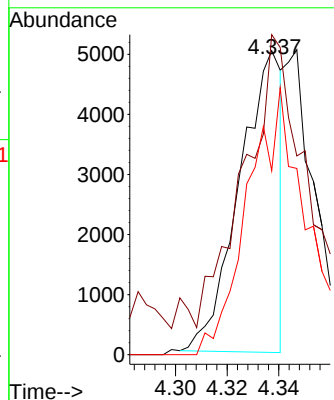
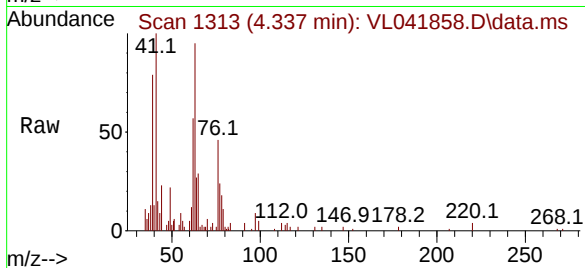
Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 63	Resp: 5683		
Ion Ratio	Lower	Upper	
63 100			
41 87.7	58.0	87.0#	
62 60.0	58.6	87.8	



#40

1,4-Dioxane

Concen: 0.196 ppbv

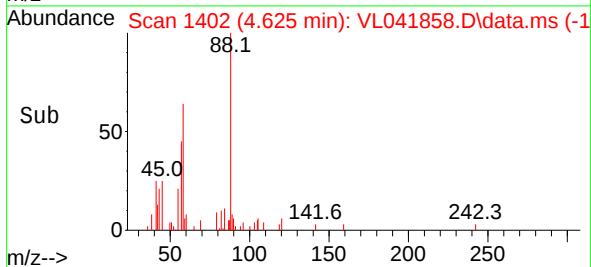
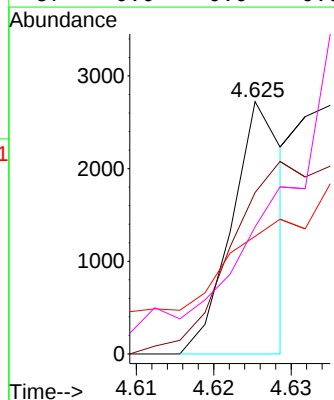
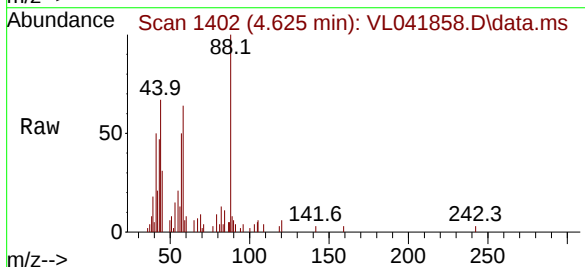
RT: 4.625 min Scan# 1402

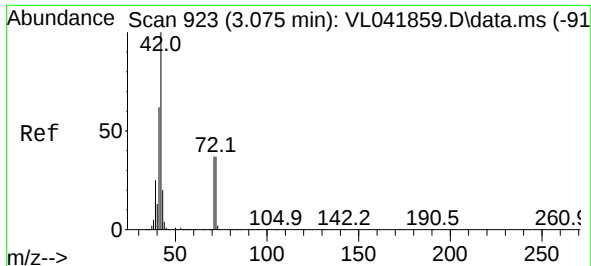
Delta R.T. 0.010 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Tgt Ion: 88	Resp: 1280
Ion Ratio	Lower Upper
88 100	
58 0.0	52.2 78.4#
43 71.4	0.0 0.0#
57 0.0	0.0 0.0

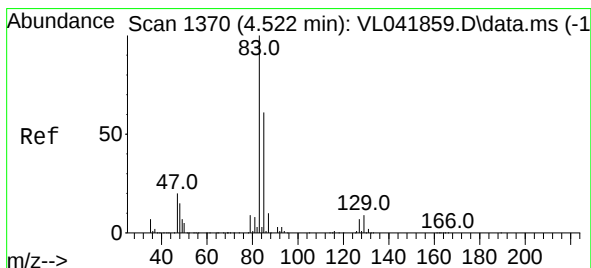
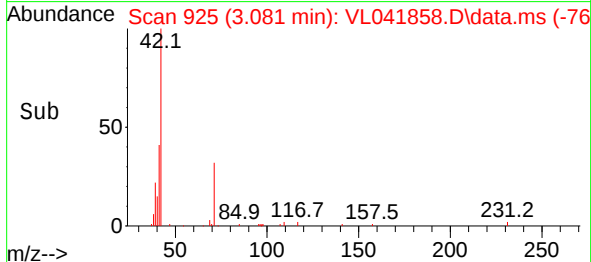
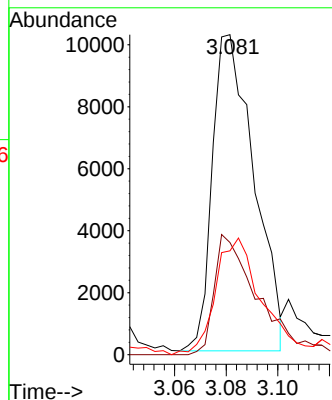
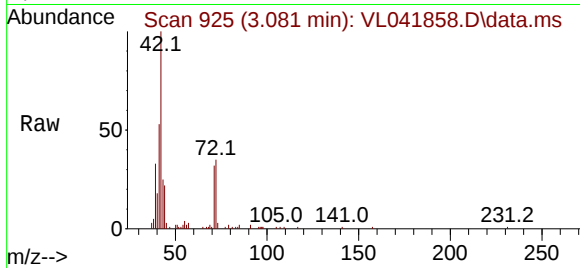




#41
Tetrahydrofuran
Concen: 0.677 ppbv
RT: 3.081 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

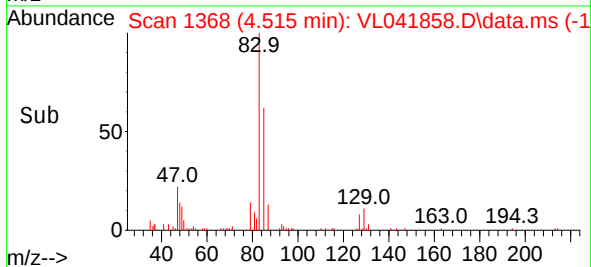
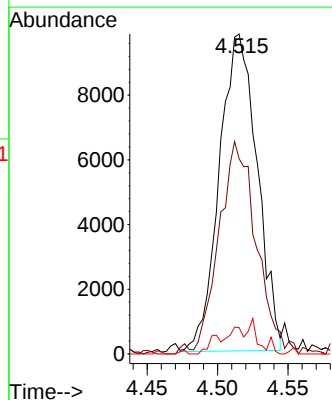
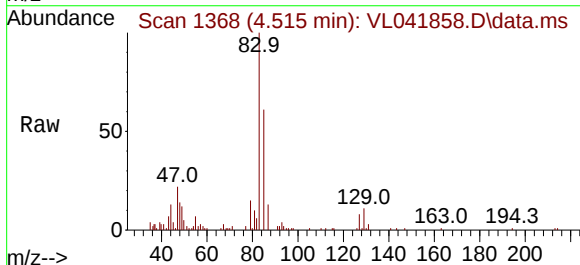
Instrument :
MSVOA_L
ClientSampleId :

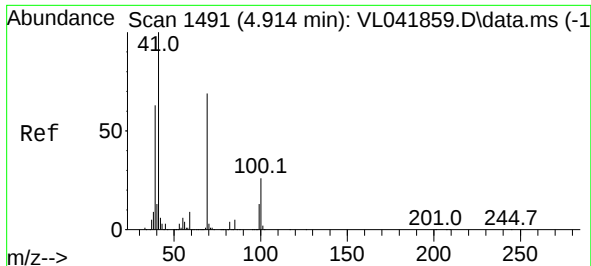
Tgt Ion: 42 Resp: 11487
Ion Ratio Lower Upper
42 100
72 39.8 30.8 46.2
71 40.1 30.1 45.1



#42
Bromodichloromethane
Concen: 0.542 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. -0.007 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion: 83 Resp: 18278
Ion Ratio Lower Upper
83 100
85 59.8 48.9 73.3
127 8.3 5.4 8.2#





#43

Methyl Methacrylate

Concen: 0.731 ppbv

RT: 4.913 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :

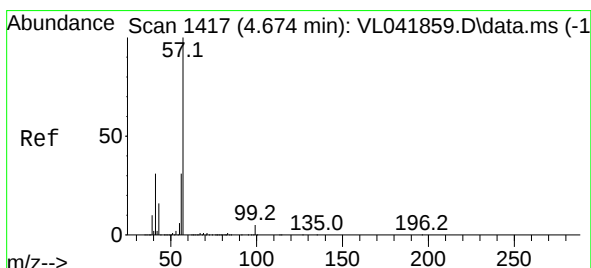
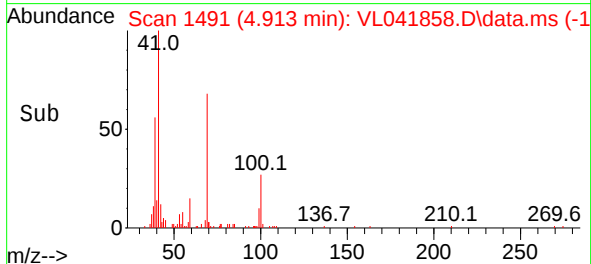
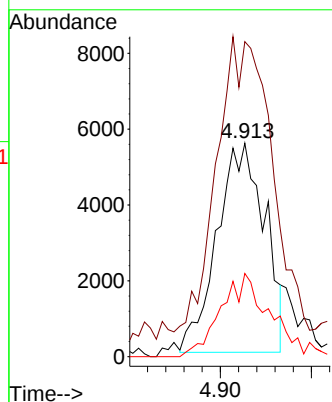
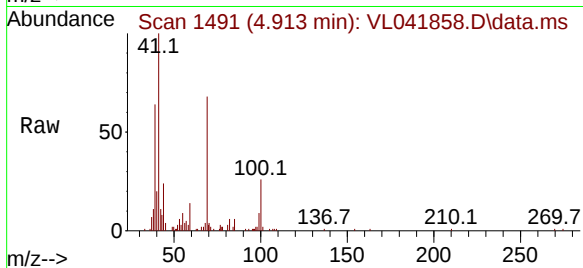
Tgt Ion: 69 Resp: 10039

Ion Ratio Lower Upper

69 100

41 179.7 116.2 174.4#

100 41.3 29.8 44.8



#44

2,2,4-Trimethylpentane

Concen: 0.654 ppbv

RT: 4.664 min Scan# 1414

Delta R.T. -0.010 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

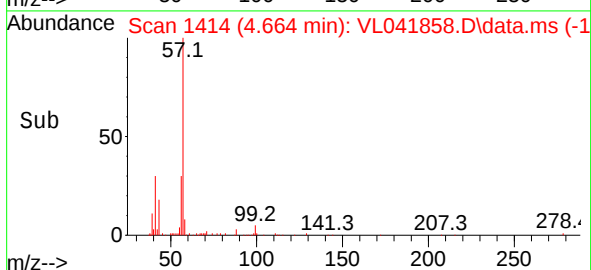
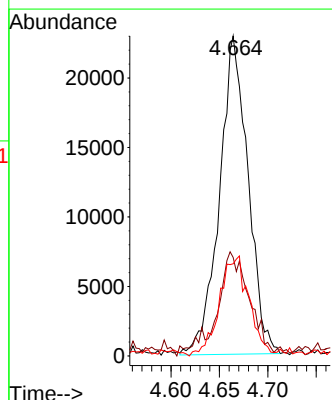
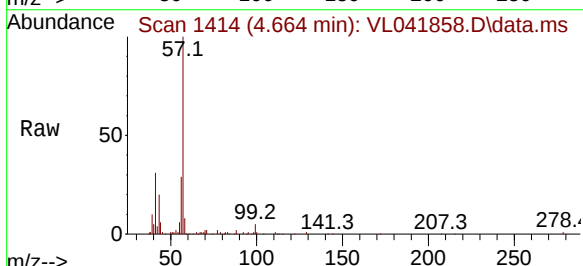
Tgt Ion: 57 Resp: 47096

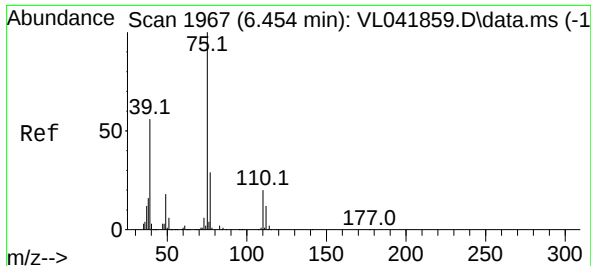
Ion Ratio Lower Upper

57 100

41 32.4 25.5 38.3

56 30.5 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 0.459 ppbv

RT: 6.441 min Scan# 1963

Delta R.T. -0.013 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

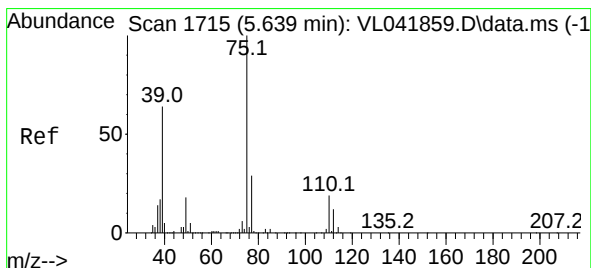
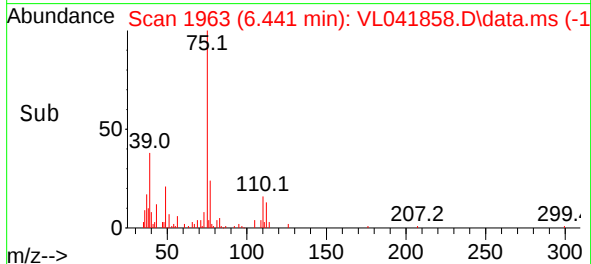
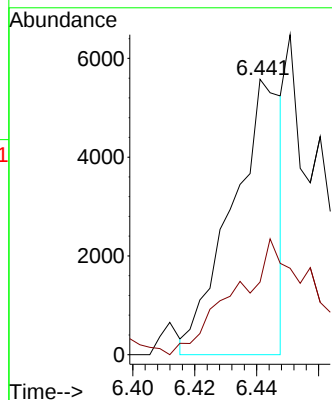
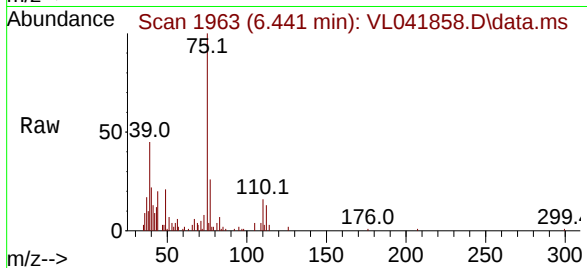
ClientSampleId :

Tgt Ion: 75 Resp: 6152

Ion Ratio Lower Upper

75 100

77 26.4 23.4 35.2



#46

cis-1,3-Dichloropropene

Concen: 0.414 ppbv

RT: 5.632 min Scan# 1713

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

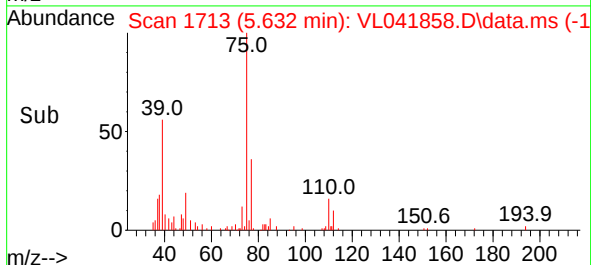
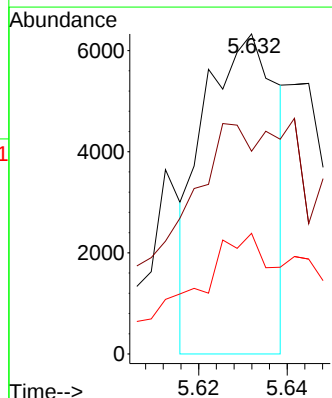
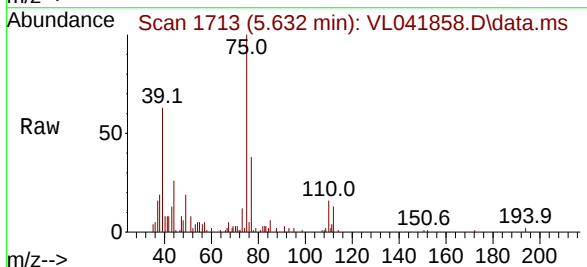
Tgt Ion: 75 Resp: 7309

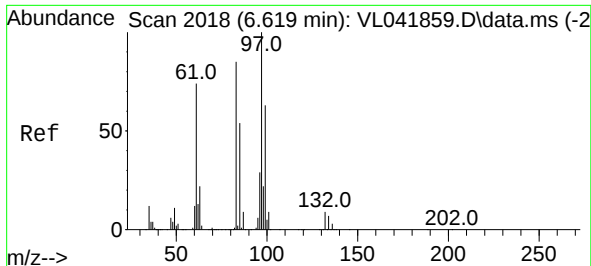
Ion Ratio Lower Upper

75 100

39 39.8 51.4 77.2#

77 35.9 23.0 34.4#

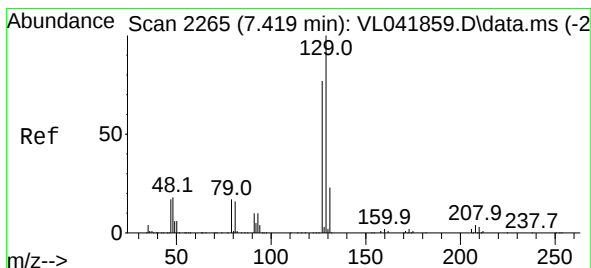
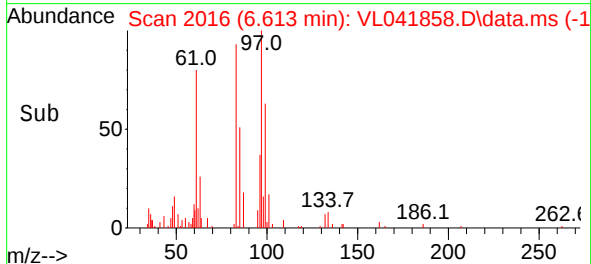
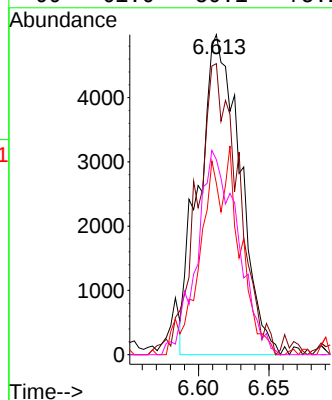
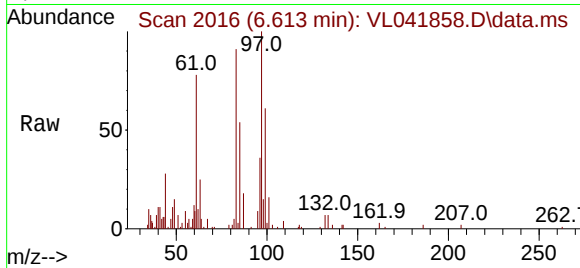




#47
1,1,2-Trichloroethane
Concen: 0.567 ppbv
RT: 6.613 min Scan# 2018
Delta R.T. -0.007 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

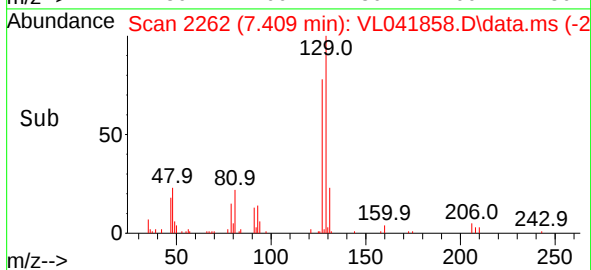
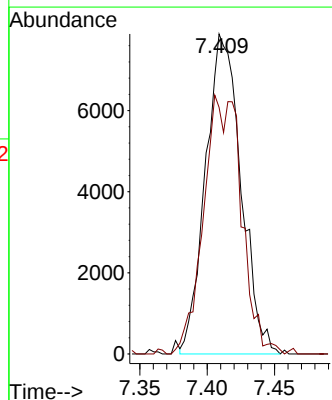
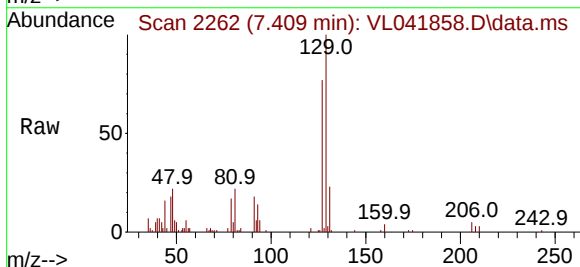
Instrument :
MSVOA_L
ClientSampleId :

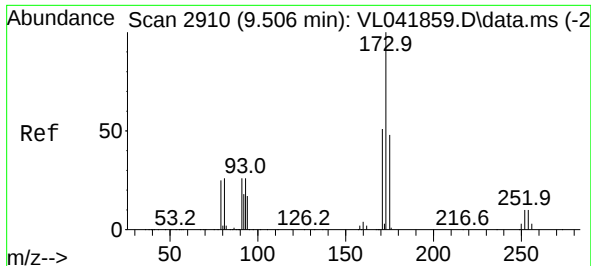
Tgt Ion: 97	Resp: 10118
Ion Ratio	Lower Upper
97 100	
83 89.6	68.1 102.1
85 53.6	43.4 65.2
99 61.0	50.1 75.1



#48
Dibromochloromethane
Concen: 0.634 ppbv
RT: 7.409 min Scan# 2262
Delta R.T. -0.010 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion:129	Resp: 14439
Ion Ratio	Lower Upper
129 100	
127 87.0	39.4 118.1

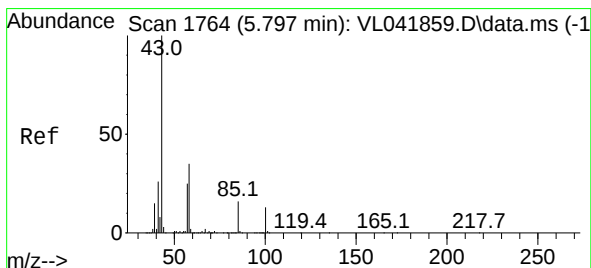
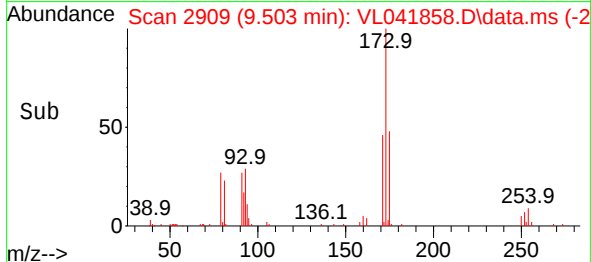
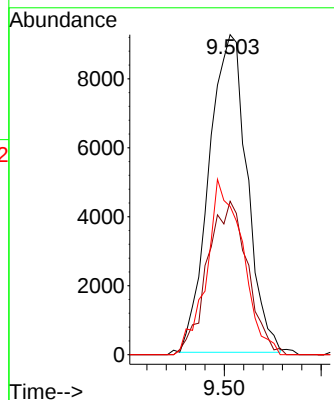
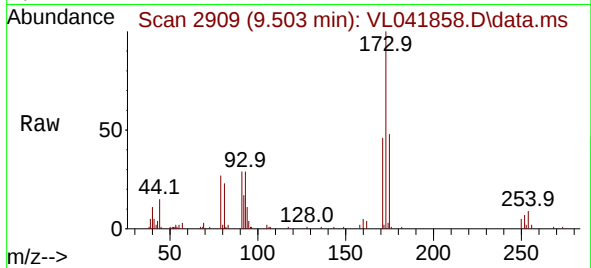




#49
Bromoform
Concen: 0.691 ppbv
RT: 9.503 min Scan# 2910
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

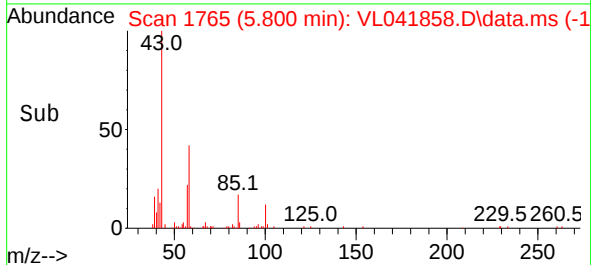
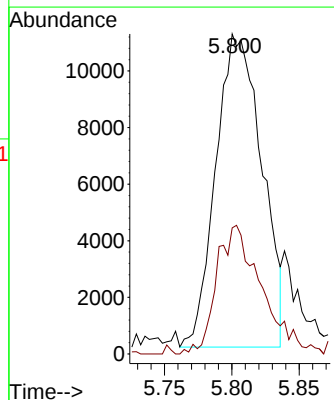
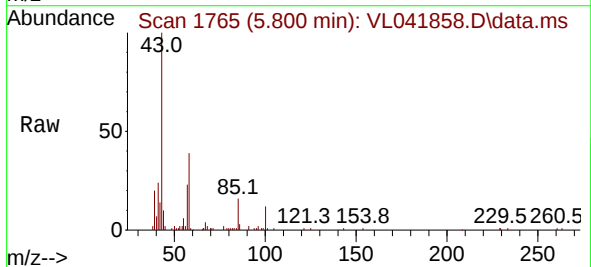
Instrument :
MSVOA_L
ClientSampleId :

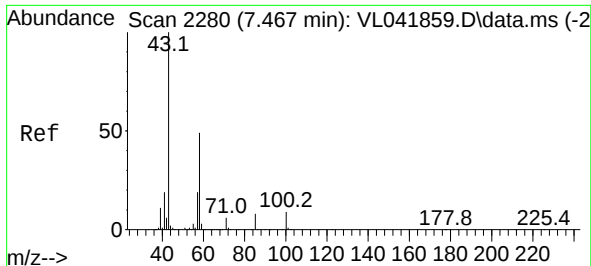
Tgt Ion:173 Resp: 12600
Ion Ratio Lower Upper
173 100
175 51.0 38.2 57.2
171 52.0 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 0.630 ppbv
RT: 5.800 min Scan# 1765
Delta R.T. 0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion: 43 Resp: 26263
Ion Ratio Lower Upper
43 100
58 40.4 29.4 44.2

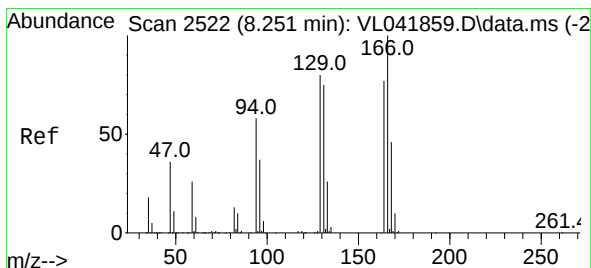
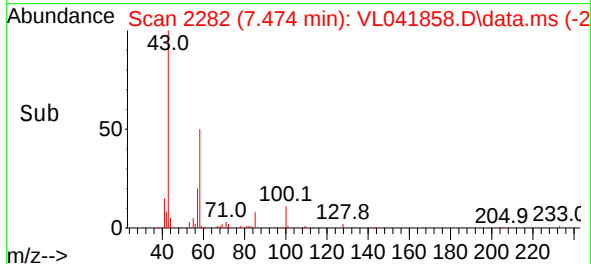
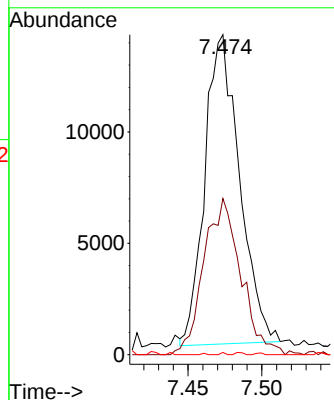
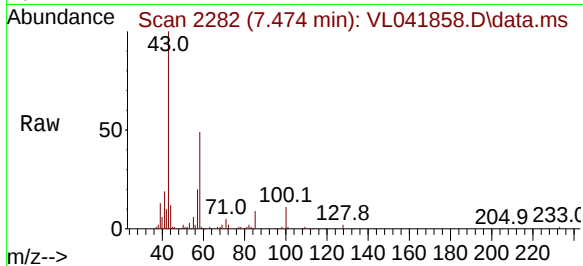




#51
2-Hexanone
Concen: 0.720 ppbv
RT: 7.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

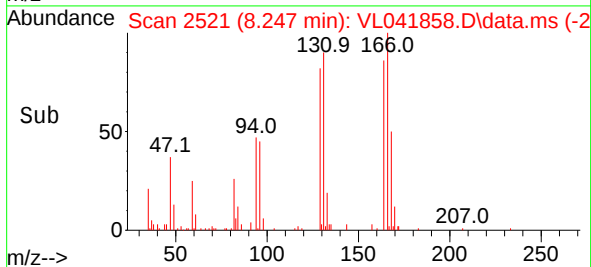
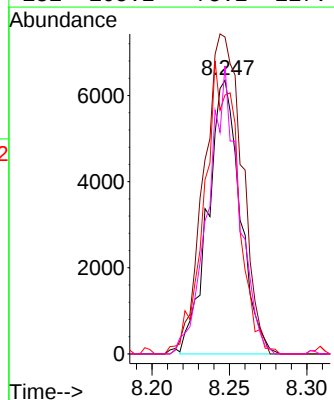
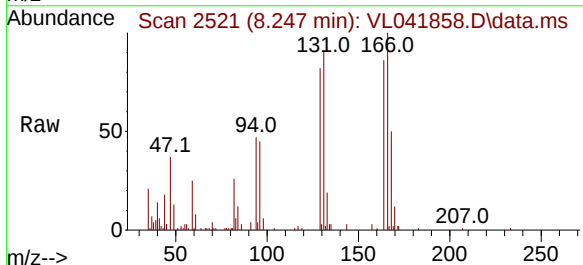
Instrument :
MSVOA_L
ClientSampleId :

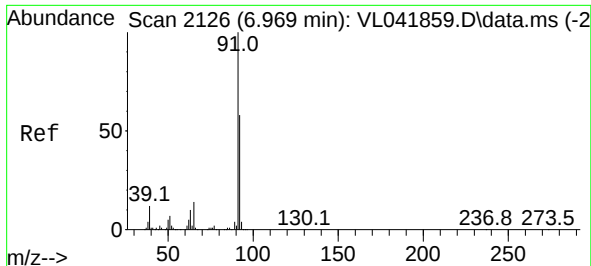
Tgt Ion: 43 Resp: 22722
Ion Ratio Lower Upper
43 100
58 54.1 40.0 60.0
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.714 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion: 164 Resp: 9249
Ion Ratio Lower Upper
164 100
166 115.8 103.6 155.4
129 94.6 82.6 123.8
131 105.2 78.2 117.4





#53

Toluene

Concen: 0.835 ppbv

RT: 6.962 min Scan# 2126

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

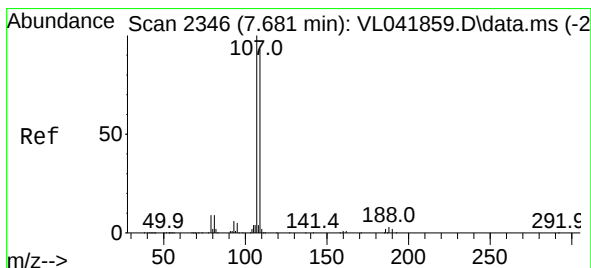
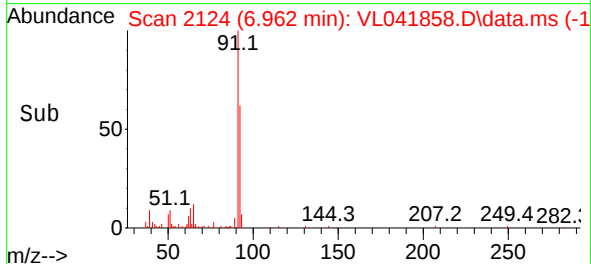
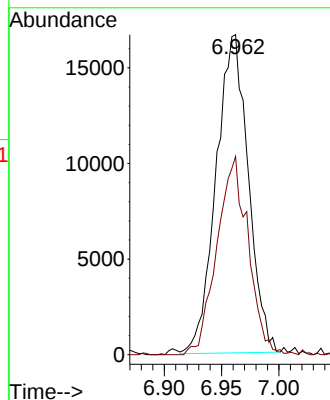
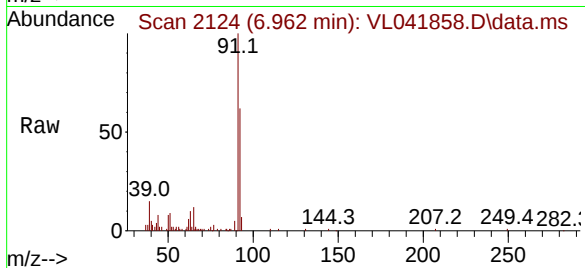
ClientSampleId :

Tgt Ion: 91 Resp: 32477

Ion Ratio Lower Upper

91 100

92 60.8 47.2 70.8



#54

1,2-Dibromoethane

Concen: 0.230 ppbv

RT: 7.668 min Scan# 2342

Delta R.T. -0.013 min

Lab File: VL041858.D

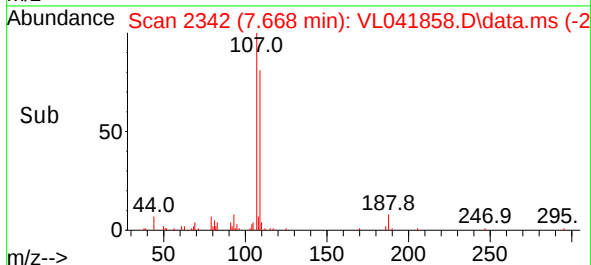
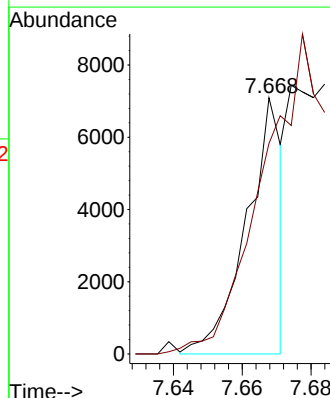
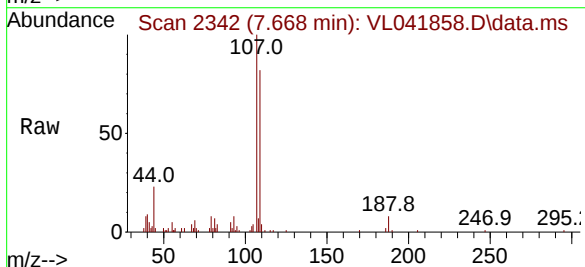
Acq: 09 Jan 2025 10:33

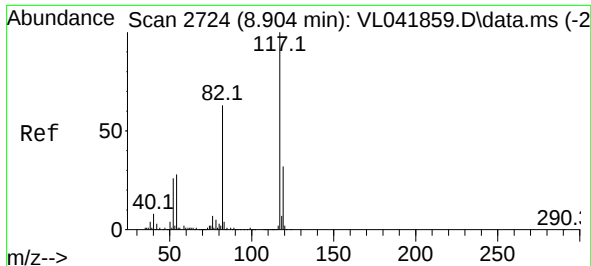
Tgt Ion: 107 Resp: 5043

Ion Ratio Lower Upper

107 100

109 79.8 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :

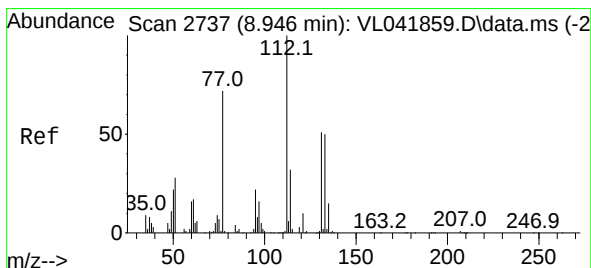
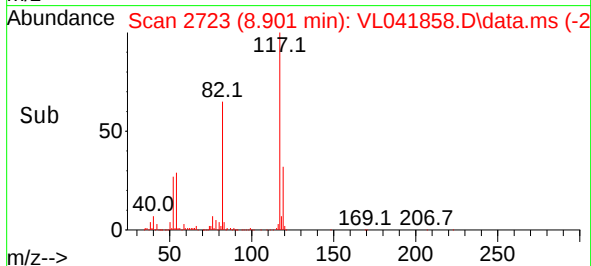
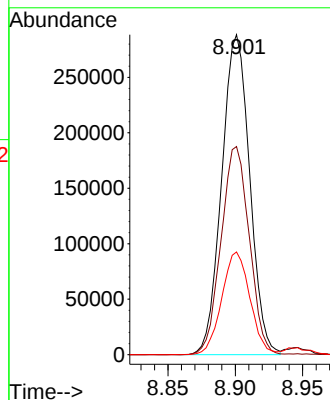
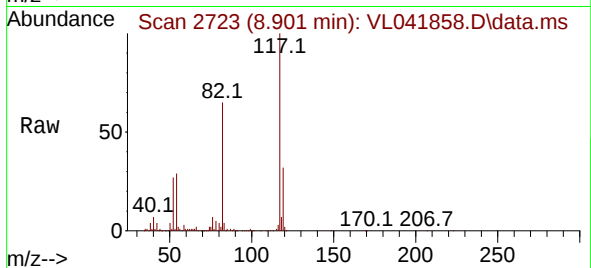
Tgt Ion:117 Resp: 417323

Ion Ratio Lower Upper

117 100

82 65.7 54.5 81.7

119 32.4 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.555 ppbv

RT: 8.940 min Scan# 2735

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

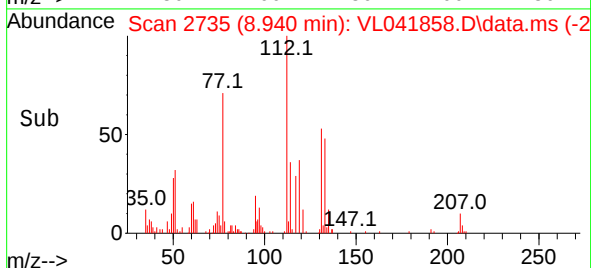
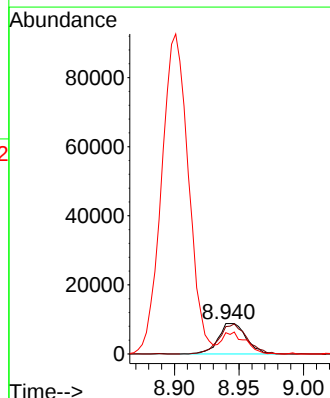
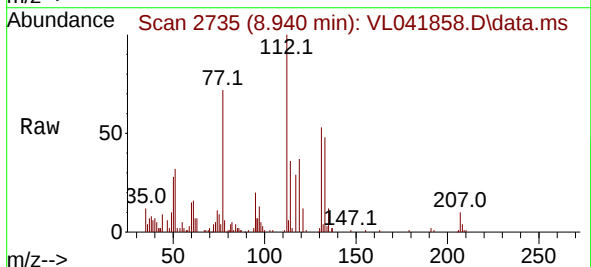
Tgt Ion:131 Resp: 13195

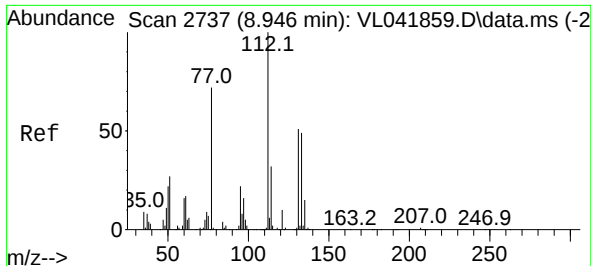
Ion Ratio Lower Upper

131 100

133 98.3 77.4 116.2

119 1084.6 49.4 74.0#





#57

Chlorobenzene

Concen: 0.572 ppbv

RT: 8.943 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041858.D

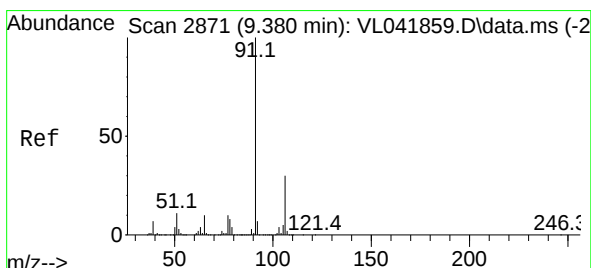
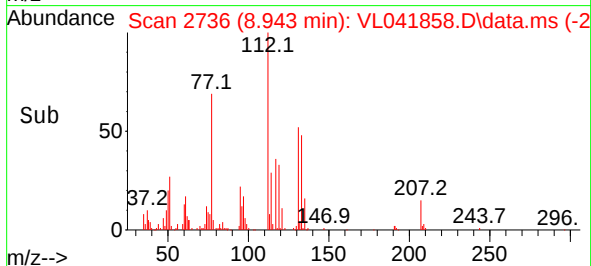
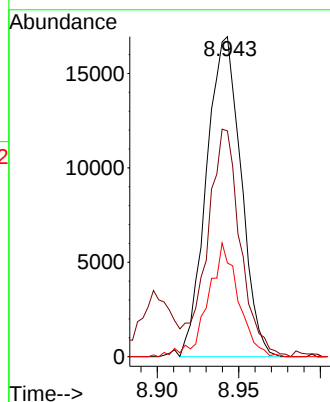
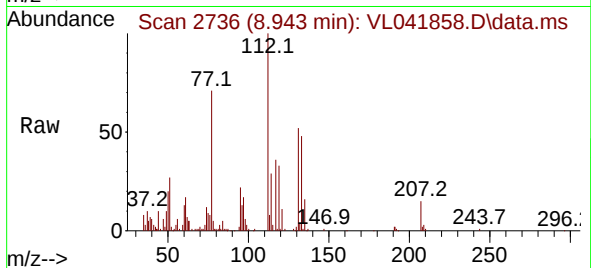
Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	112	Resp:	24929
Ion Ratio	Lower	Upper	
112	100		
77	69.6	58.3	87.5
114	28.9	28.9	35.3#



#58

Ethyl Benzene

Concen: 0.780 ppbv

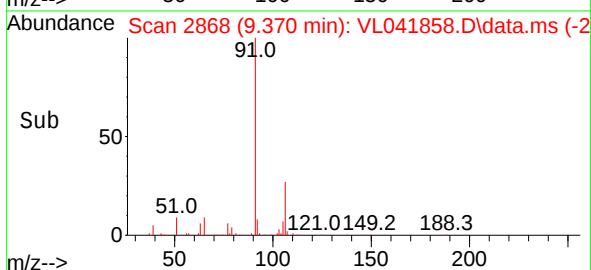
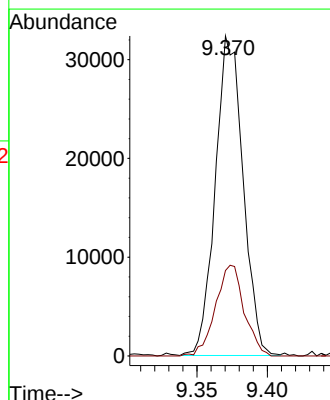
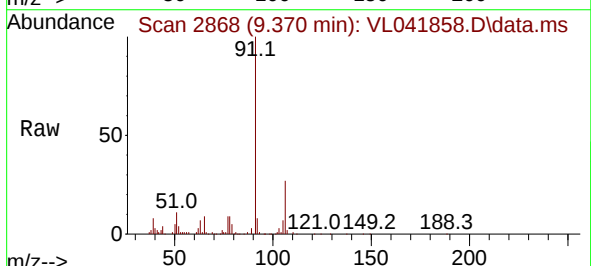
RT: 9.370 min Scan# 2868

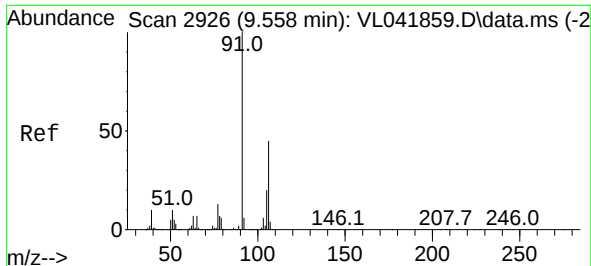
Delta R.T. -0.010 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Tgt Ion:	91	Resp:	44339
Ion Ratio	Lower	Upper	
91	100		
106	26.8	24.2	36.2





#59

m/p-Xylene

Concen: 0.694 ppbv

RT: 9.552 min Scan# 2926

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

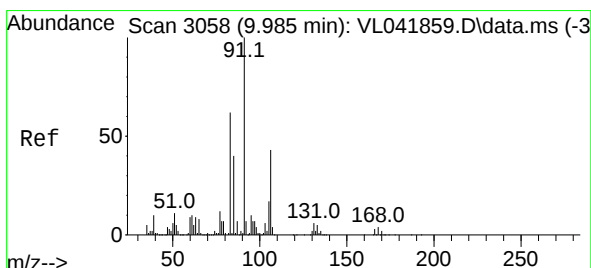
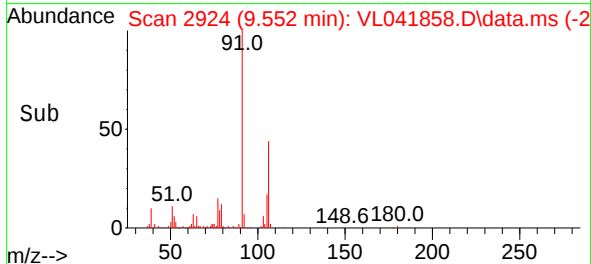
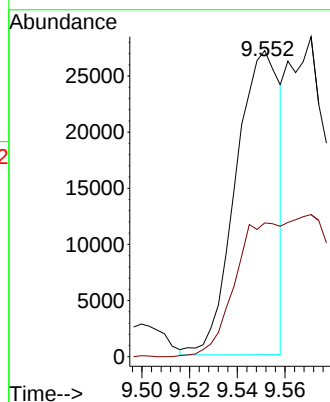
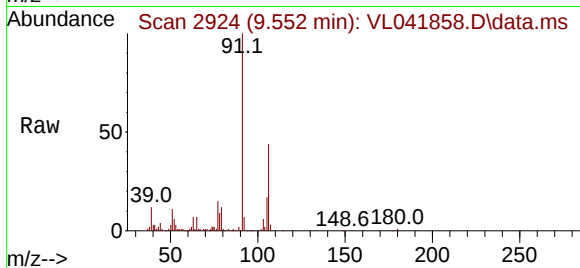
ClientSampleId :

Tgt Ion: 91 Resp: 34796

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.732 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. -0.003 min

Lab File: VL041858.D

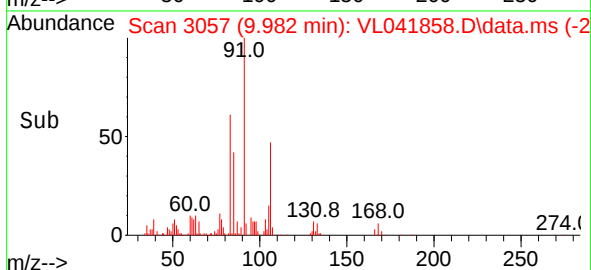
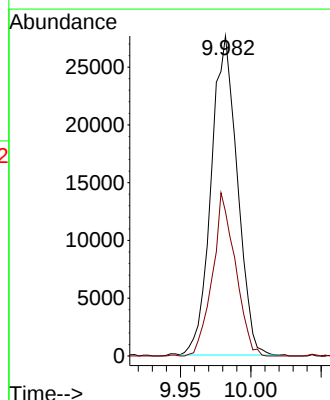
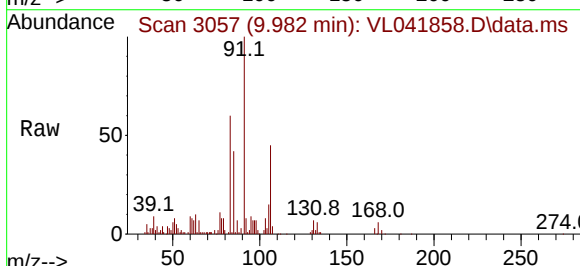
Acq: 09 Jan 2025 10:33

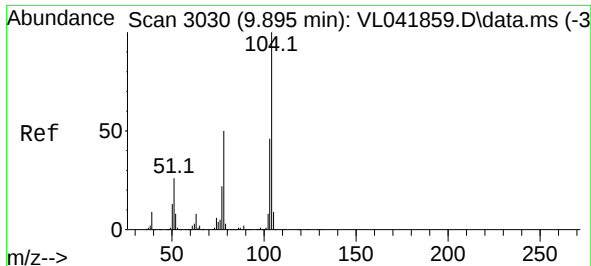
Tgt Ion: 91 Resp: 35757

Ion Ratio Lower Upper

91 100

106 44.9 21.4 64.3

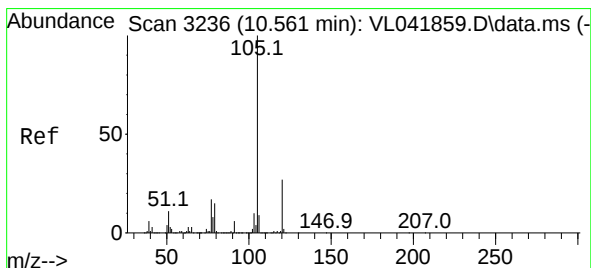
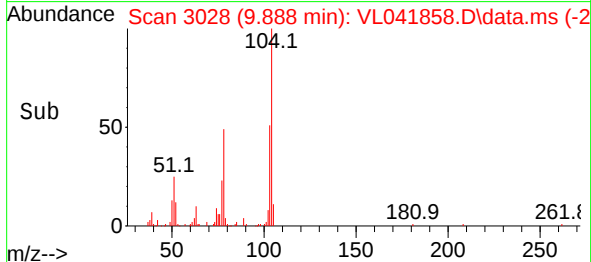
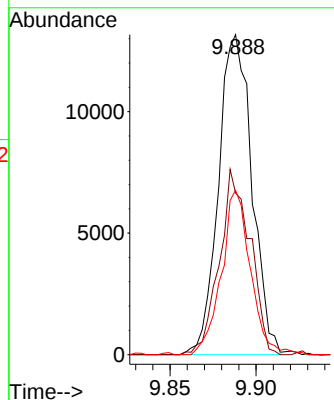
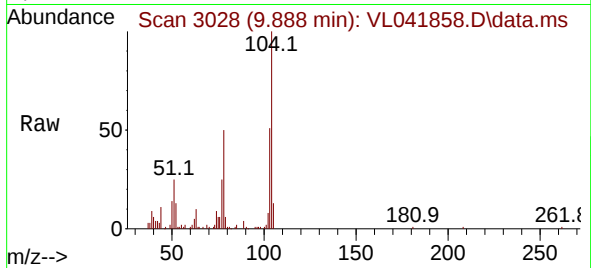




#61
Styrene
Concen: 0.939 ppbv
RT: 9.888 min Scan# 3030
Delta R.T. -0.007 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

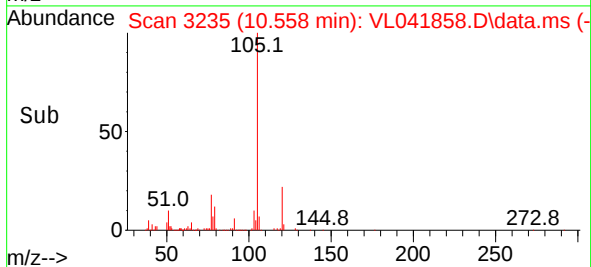
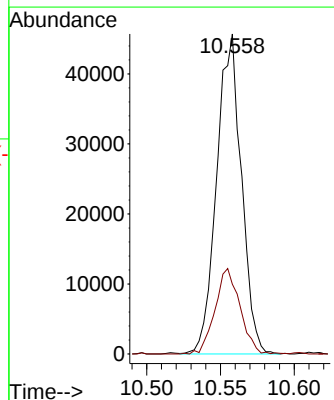
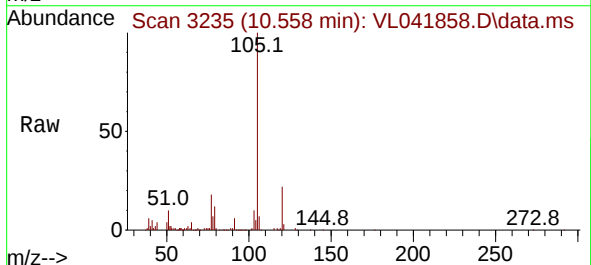
Instrument :
MSVOA_L
ClientSampleId :

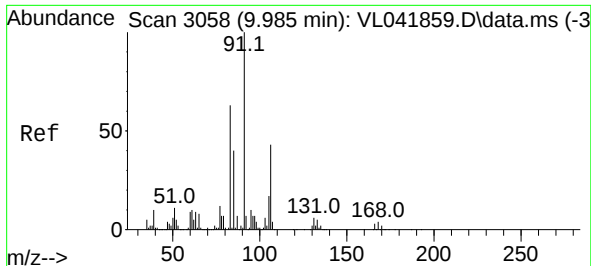
Tgt Ion:104 Resp: 17788
Ion Ratio Lower Upper
104 100
78 53.3 40.7 61.1
103 45.1 37.0 55.6



#62
Isopropylbenzene
Concen: 0.695 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion:105 Resp: 53304
Ion Ratio Lower Upper
105 100
120 27.1 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.492 ppbv

RT: 9.982 min Scan# 3058

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :

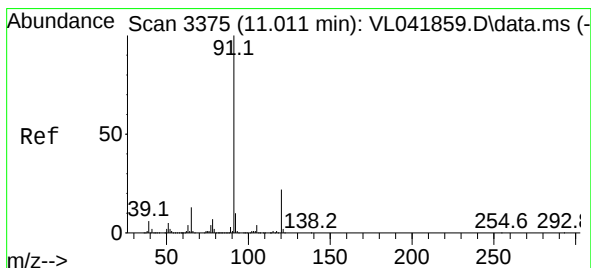
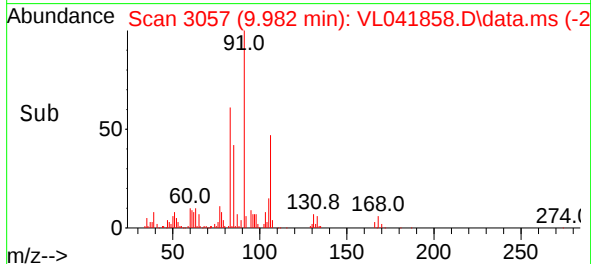
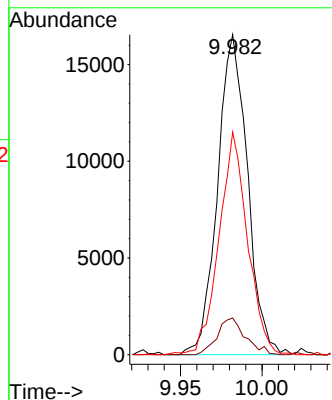
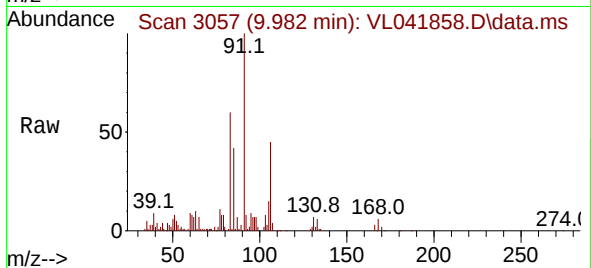
Tgt Ion: 83 Resp: 21056

Ion Ratio Lower Upper

83 100

131 10.9 4.8 14.3

85 66.5 32.1 96.3



#64

n-propylbenzene

Concen: 0.714 ppbv

RT: 11.002 min Scan# 3372

Delta R.T. -0.010 min

Lab File: VL041858.D

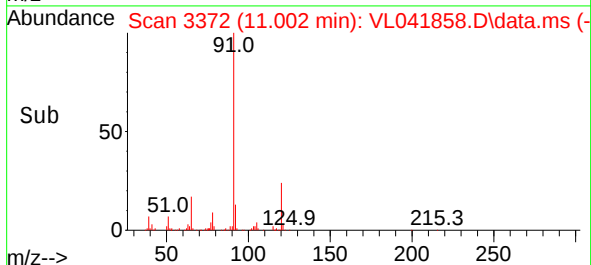
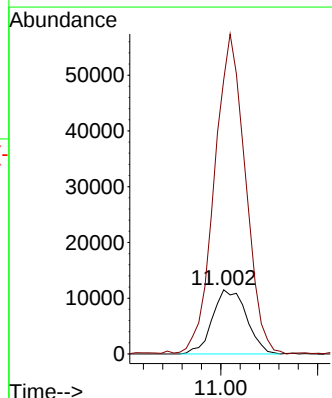
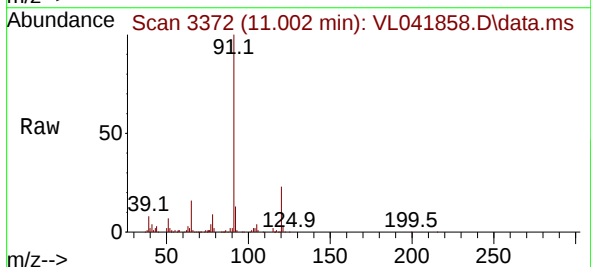
Acq: 09 Jan 2025 10:33

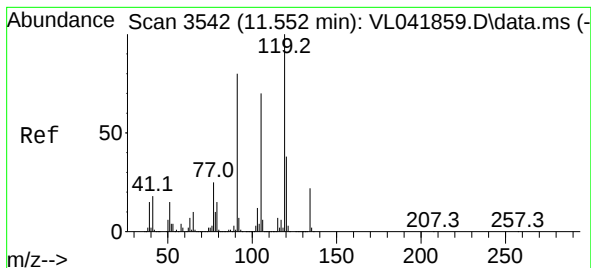
Tgt Ion:120 Resp: 14050

Ion Ratio Lower Upper

120 100

91 455.0 376.9 565.3





#65

tert-Butylbenzene

Concen: 0.719 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :

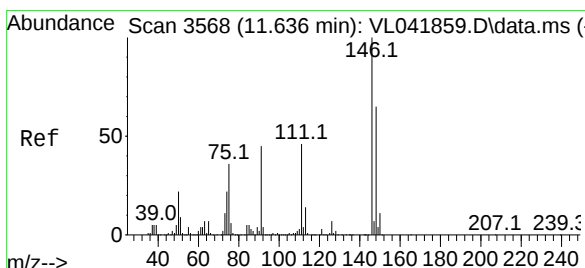
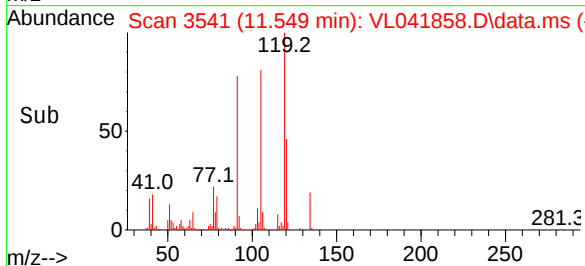
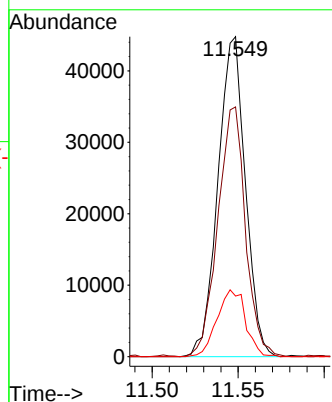
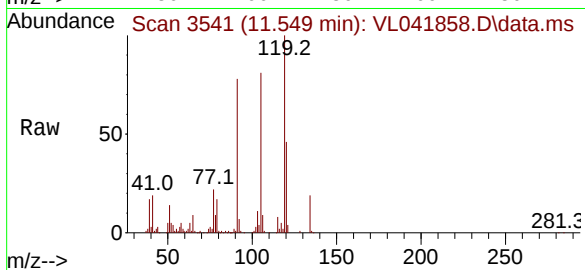
Tgt Ion:119 Resp: 49710

Ion Ratio Lower Upper

119 100

91 79.0 64.6 97.0

134 21.7 16.9 25.3



#66

Benzyl Chloride

Concen: 0.910 ppbv

RT: 11.629 min Scan# 3566

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

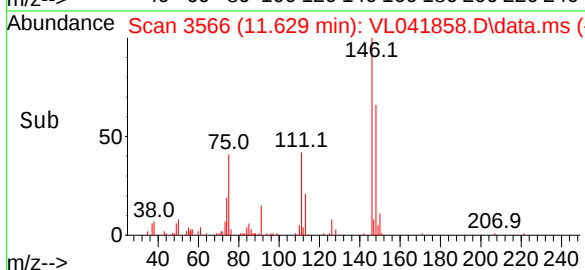
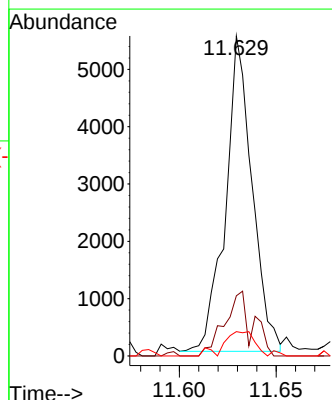
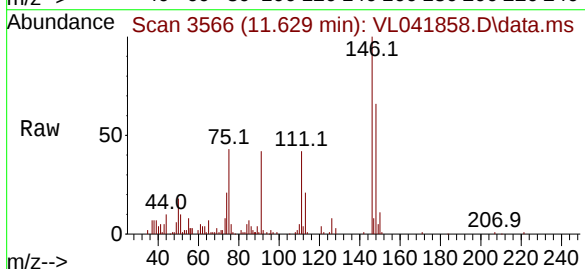
Tgt Ion: 91 Resp: 5273

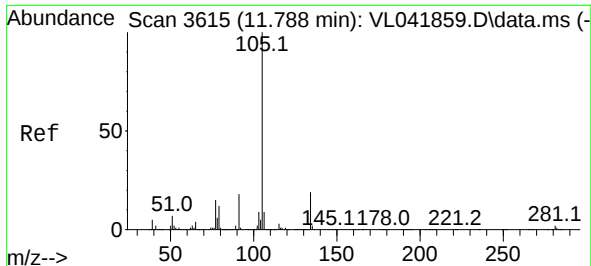
Ion Ratio Lower Upper

91 100

126 21.9 13.9 20.9#

128 9.4 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.667 ppbv

RT: 11.782 min Scan# 3615

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

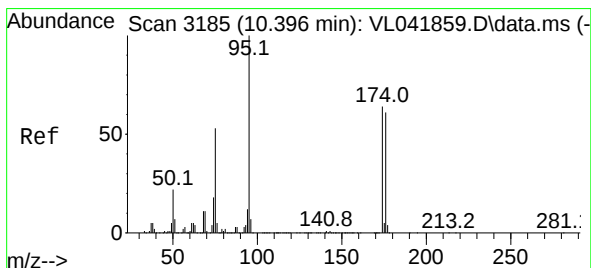
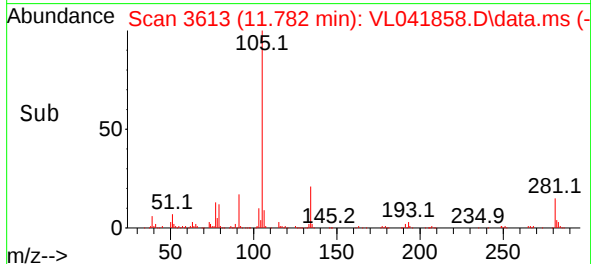
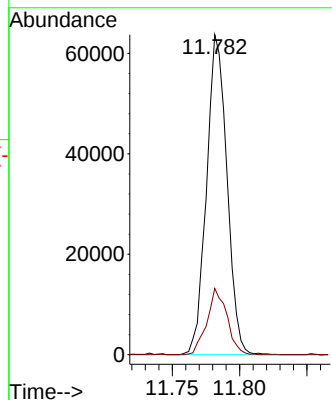
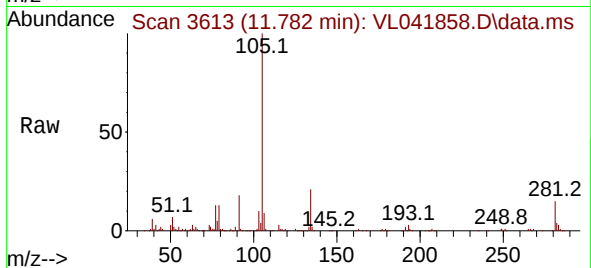
ClientSampleId :

Tgt Ion:105 Resp: 67281

Ion Ratio Lower Upper

105 100

134 20.3 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 9.380 ppbv

RT: 10.393 min Scan# 3184

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

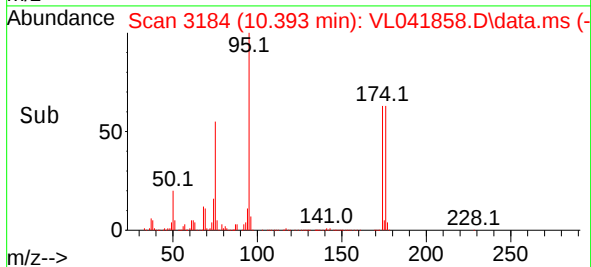
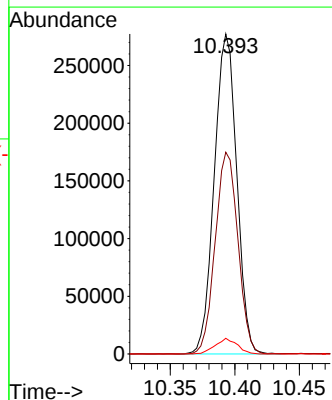
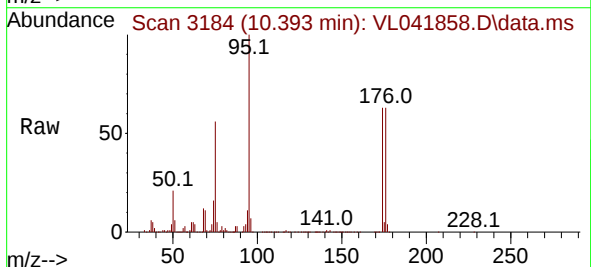
Tgt Ion: 95 Resp: 335281

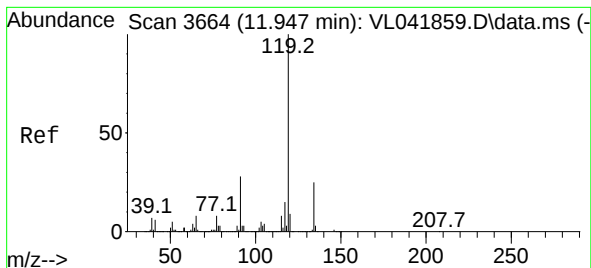
Ion Ratio Lower Upper

95 100

174 63.8 51.1 76.7

175 4.8 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.726 ppbv

RT: 11.940 min Scan# 3

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :

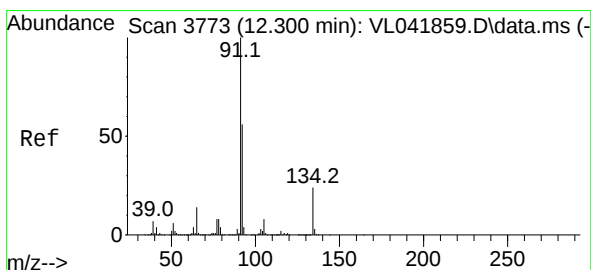
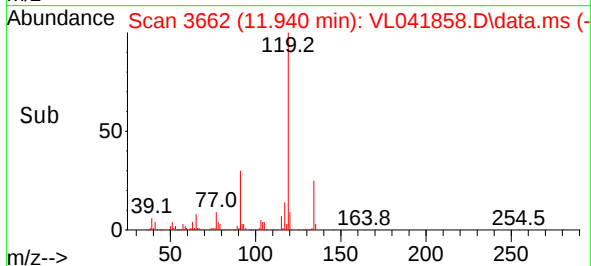
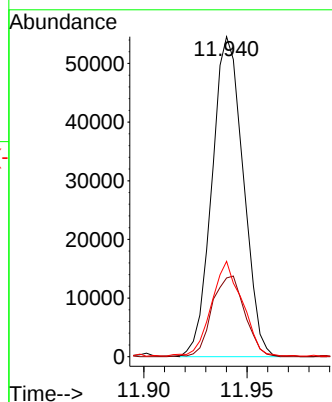
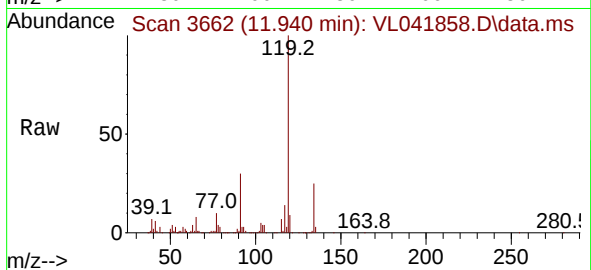
Tgt Ion:119 Resp: 57482

Ion Ratio Lower Upper

119 100

134 26.3 20.3 30.5

91 30.0 22.6 34.0



#70

n-Butylbenzene

Concen: 0.741 ppbv

RT: 12.296 min Scan# 3772

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

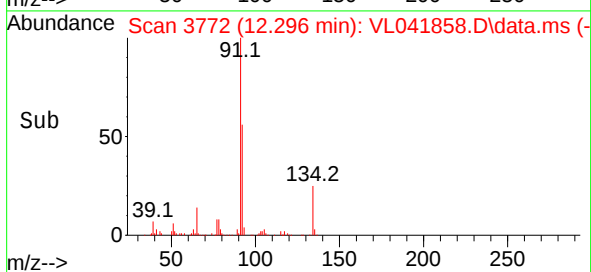
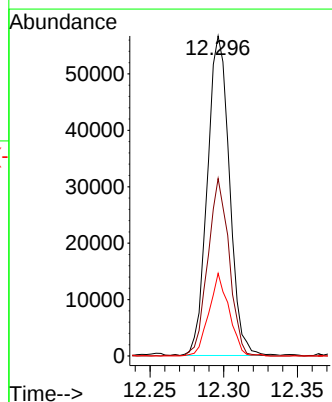
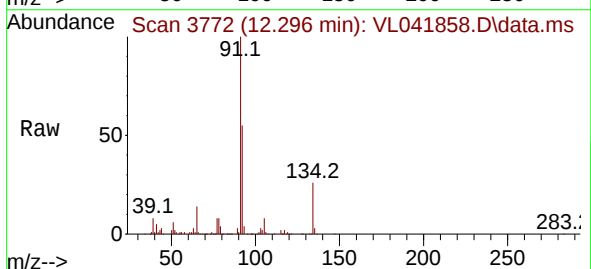
Tgt Ion: 91 Resp: 58950

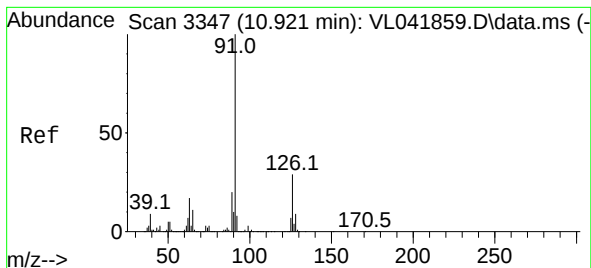
Ion Ratio Lower Upper

91 100

92 53.8 43.8 65.8

134 23.6 19.3 28.9

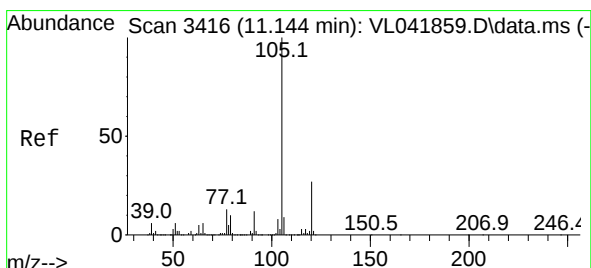
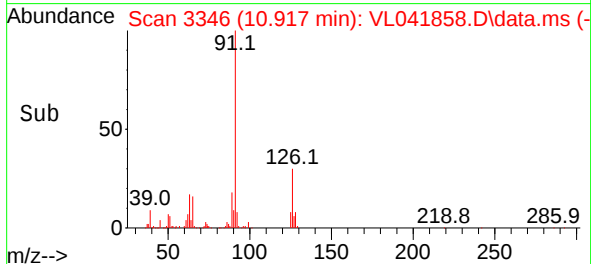
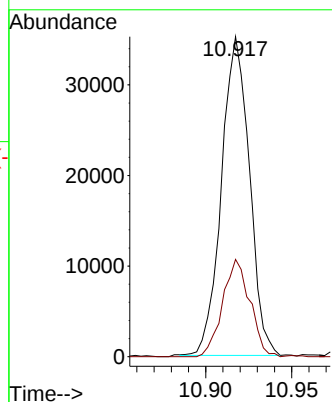
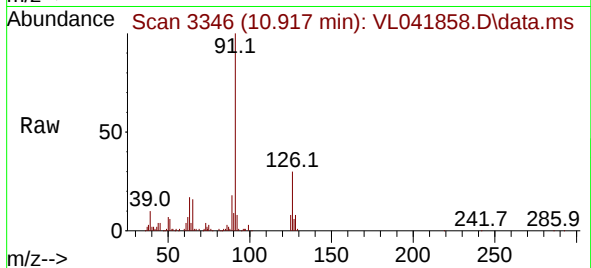




#71
2-Chlorotoluene
Concen: 0.713 ppbv
RT: 10.917 min Scan# 3415
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

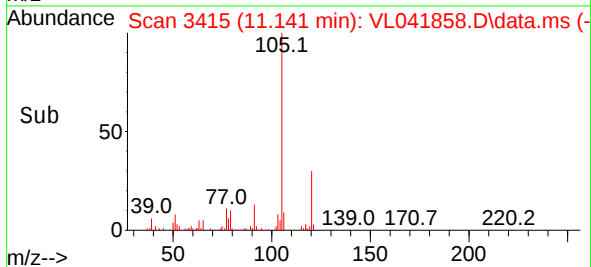
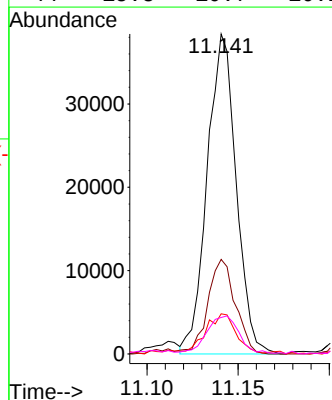
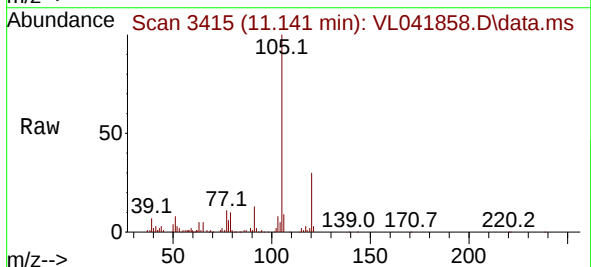
Instrument :
MSVOA_L
ClientSampleId :

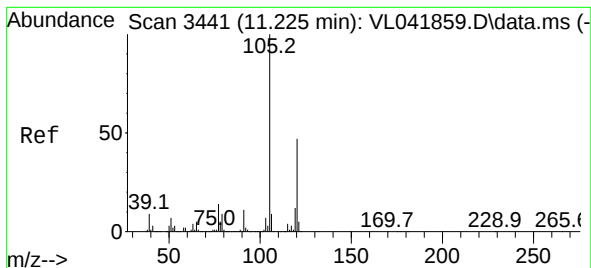
Tgt Ion: 91 Resp: 39716
Ion Ratio Lower Upper
91 100
126 30.0 11.6 46.6



#72
4-Ethyltoluene
Concen: 0.720 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.003 min
Lab File: VL041858.D
Acq: 09 Jan 2025 10:33

Tgt Ion:105 Resp: 42525
Ion Ratio Lower Upper
105 100
120 29.3 23.5 35.3
91 14.1 9.8 14.8
77 15.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.704 ppbv

RT: 11.222 min Scan# 3440

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

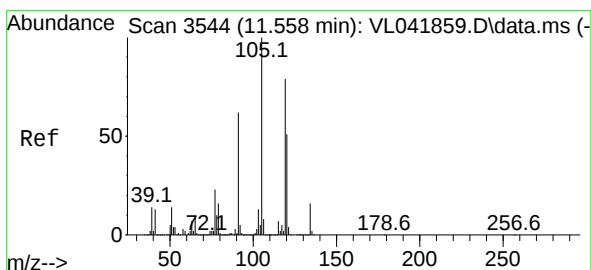
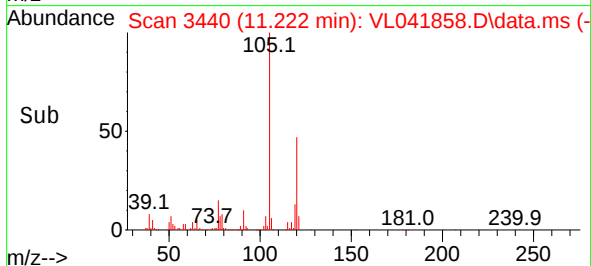
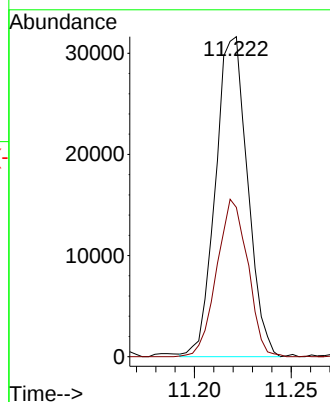
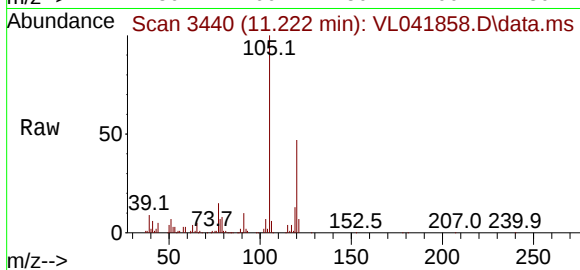
ClientSampleId :

Tgt Ion:105 Resp: 36438

Ion Ratio Lower Upper

105 100

120 46.4 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 0.683 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Tgt Ion:105 Resp: 40919

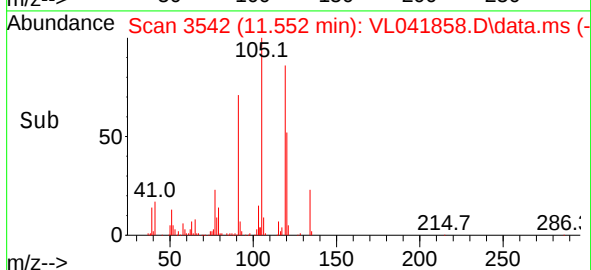
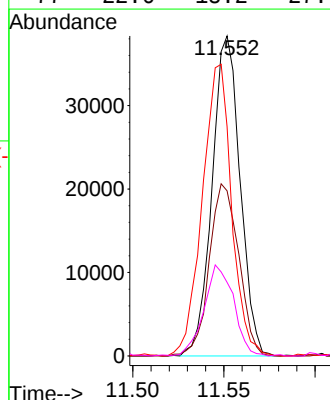
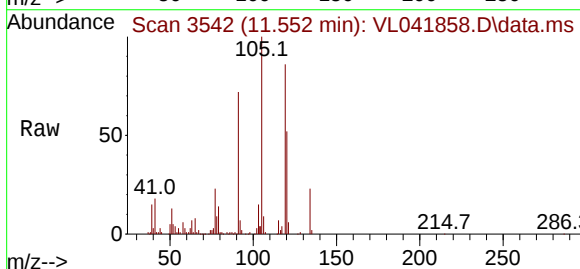
Ion Ratio Lower Upper

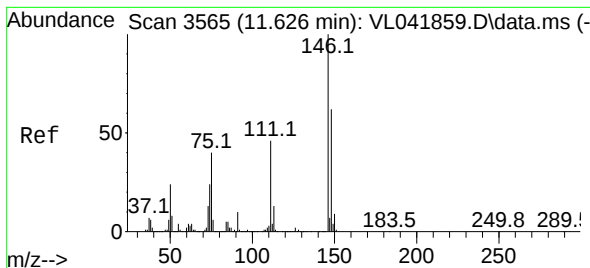
105 100

120 51.6 41.1 61.7

91 71.7 50.0 75.0

77 22.6 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 0.602 ppbv

RT: 11.623 min Scan# 3565

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_1

ClientSampleId :

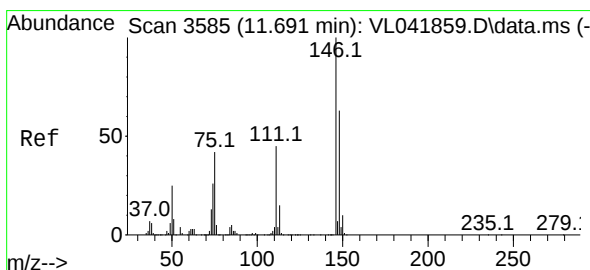
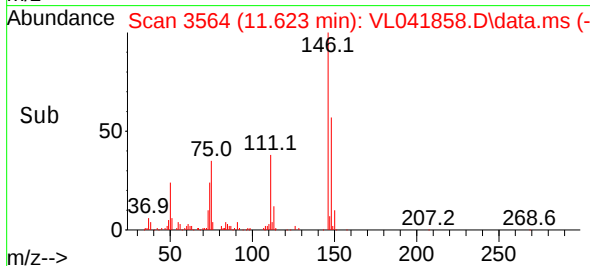
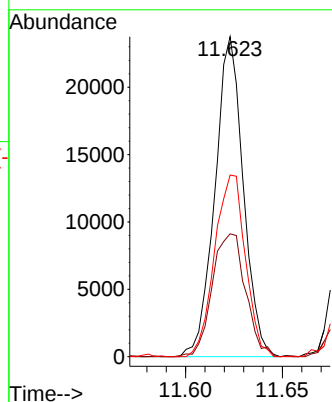
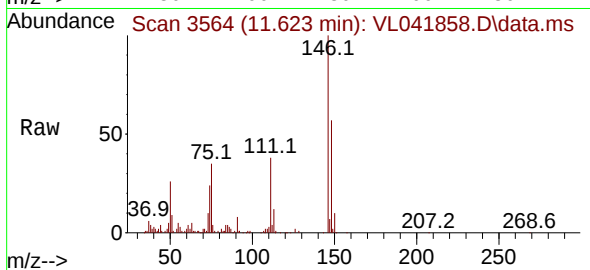
Tgt Ion:146 Resp: 24151

Ion Ratio Lower Upper

146 100

111 45.2 23.2 69.5

148 62.0 31.6 94.7



#76

1,4-Dichlorobenzene

Concen: 0.594 ppbv

RT: 11.688 min Scan# 3584

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

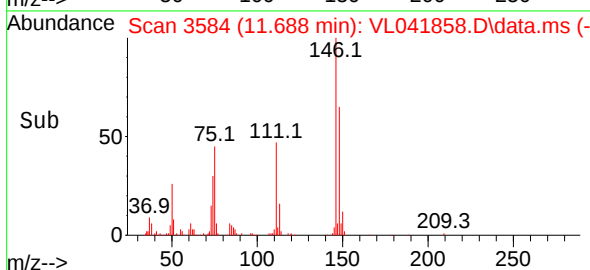
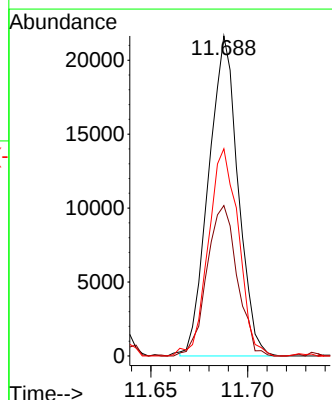
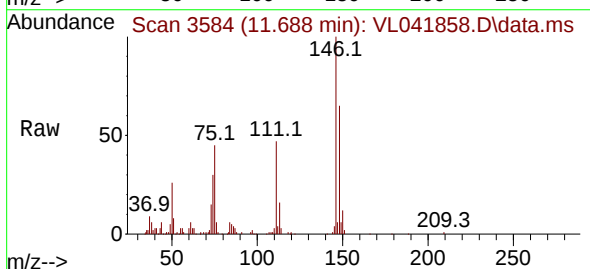
Tgt Ion:146 Resp: 22914

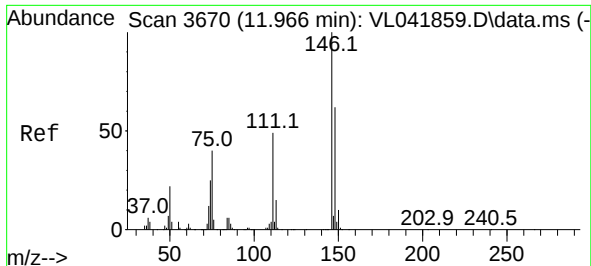
Ion Ratio Lower Upper

146 100

111 48.5 22.1 66.1

148 66.3 31.2 93.6

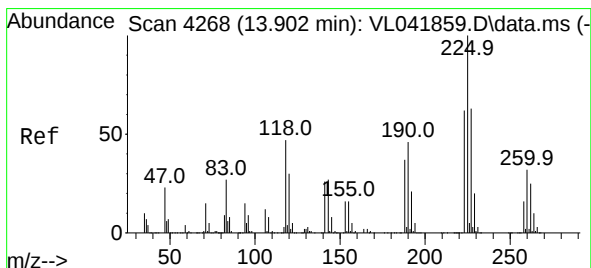
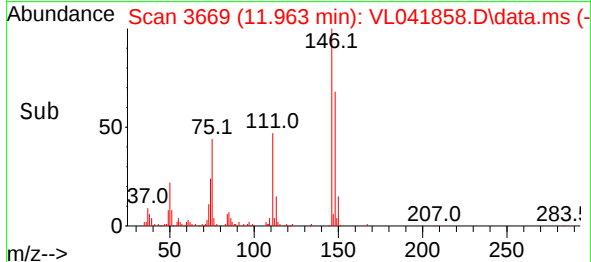
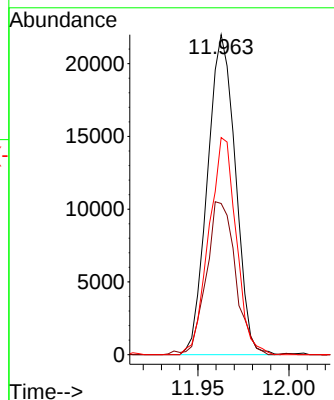
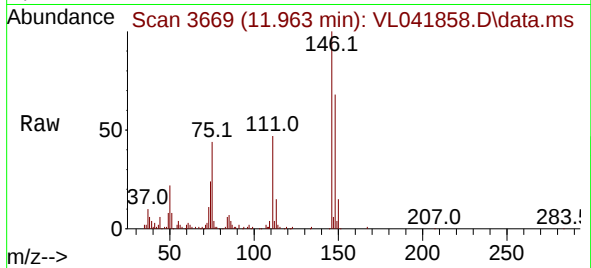




#77
 1,2-Dichlorobenzene
 Concen: 0.562 ppbv
 RT: 11.963 min Scan# 3669
 Delta R.T. -0.003 min
 Lab File: VL041858.D
 Acq: 09 Jan 2025 10:33

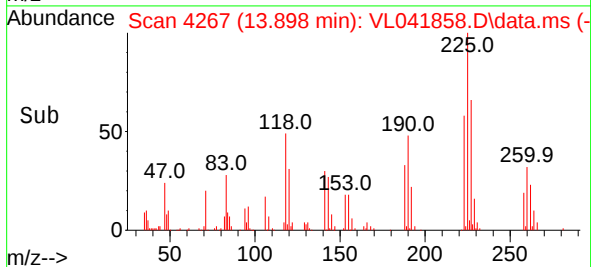
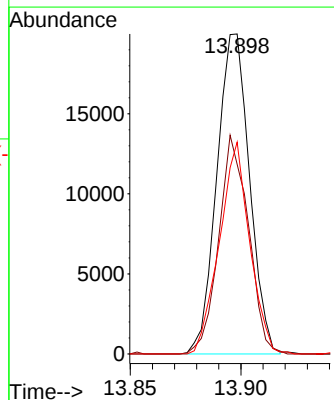
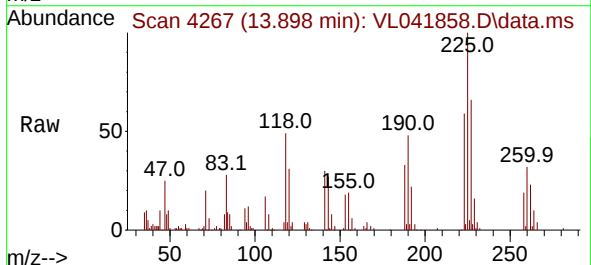
Instrument :
 MSVOA_L
 ClientSampleId :

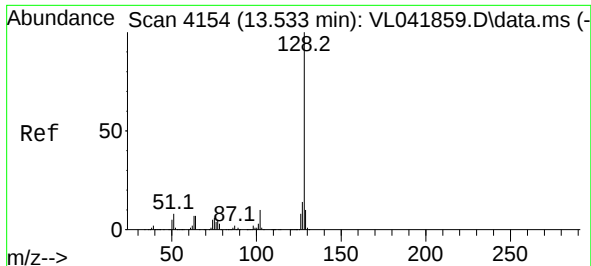
Tgt Ion:146 Resp: 23472
 Ion Ratio Lower Upper
 146 100
 111 50.0 24.1 72.3
 148 66.5 31.5 94.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.692 ppbv
 RT: 13.898 min Scan# 4267
 Delta R.T. -0.003 min
 Lab File: VL041858.D
 Acq: 09 Jan 2025 10:33

Tgt Ion:225 Resp: 20517
 Ion Ratio Lower Upper
 225 100
 223 62.4 50.6 75.8
 227 61.6 50.9 76.3





#79

Naphthalene

Concen: 0.970 ppbv

RT: 13.529 min Scan# 4153

Delta R.T. -0.003 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :

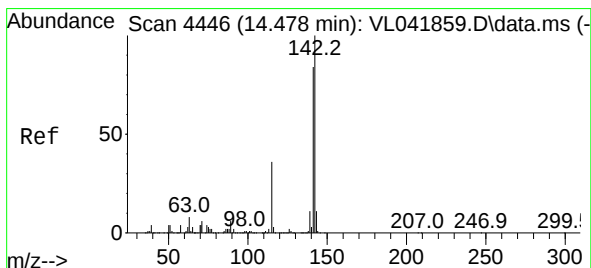
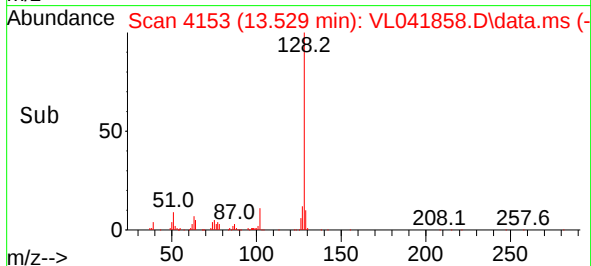
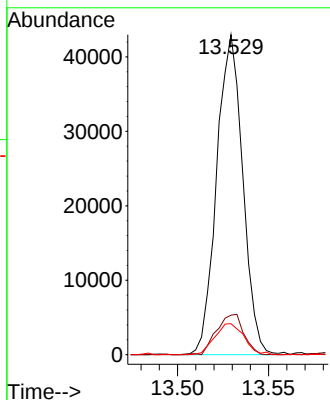
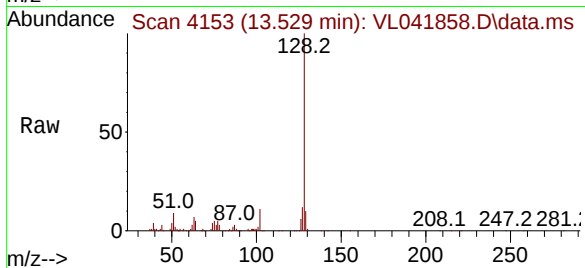
Tgt Ion:128 Resp: 42804

Ion Ratio Lower Upper

128 100

127 12.3 10.8 16.2

129 9.7 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 1.579 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. -0.007 min

Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

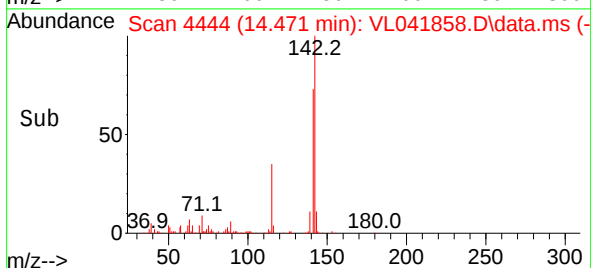
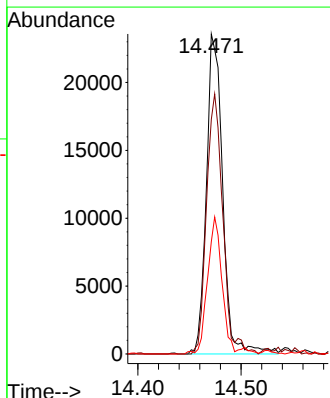
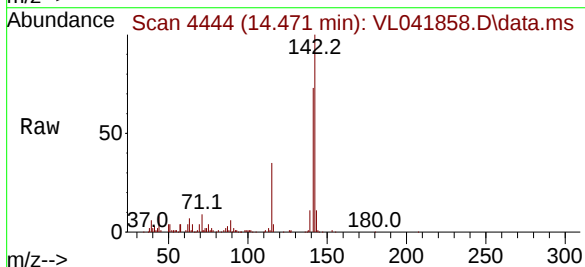
Tgt Ion:142 Resp: 25791

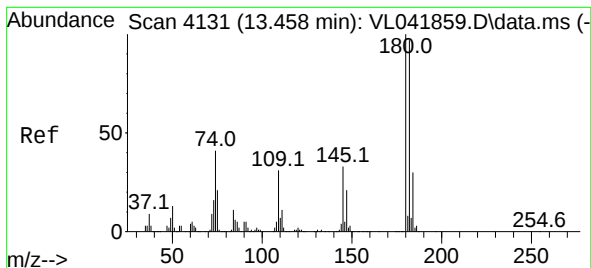
Ion Ratio Lower Upper

142 100

141 81.0 68.2 102.4

115 40.4 29.4 44.2





#81

1,2,4-Trichlorobenzene

Concen: 0.869 ppbv

RT: 13.455 min Scan# 41

Delta R.T. -0.003 min

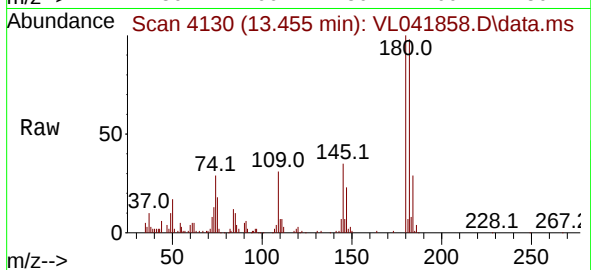
Lab File: VL041858.D

Acq: 09 Jan 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 21256

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.8

184 30.8 24.1 36.1

