

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041860.D
 Acq On : 09 Jan 2025 11:52
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 10 00:14:24 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	2.803	49	145561	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	440592	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	401428	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	324737	9.445	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	47849	2.003	ppbv	97
3) Chlorodifluoromethane	1.483	51	54474	2.387	ppbv	97
4) Chloromethane	1.541	50	19879	2.024	ppbv	97
5) Vinyl Chloride	1.589	62	18283	1.846	ppbv	94
6) Bromomethane	1.677	94	9801	2.310	ppbv	98
7) Chloroethane	1.712	64	7947	2.084	ppbv	92
8) Dichlorotetrafluoroethane	1.560	85	44848	2.176	ppbv	94
9) Propene	1.489	41	24915	3.136	ppbv	98
10) Heptane	5.011	43	66122	3.369	ppbv	97
11) Trichlorofluoromethane	1.887	101	52216	2.150	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.153	101	41991	2.322	ppbv	96
13) Ethanol	1.729	45	2238	2.144	ppbv	86
14) Bromoethene	1.790	108	15205	2.568	ppbv #	98
15) Acetone	1.845	43	52918	1.975	ppbv	95
16) 1,3-Butadiene	1.615	39	20658	1.966	ppbv	97
17) tert-Butyl alcohol	2.052	59	58092	2.502	ppbv	95
18) 1,1-Dichloroethene	2.046	96	18153	2.397	ppbv	94
19) Isopropyl Alcohol	1.897	45	26028	2.069	ppbv #	34
20) Methylene Chloride	2.072	84	17135	2.237	ppbv	98
21) Allyl Chloride	2.107	41	32414	2.348	ppbv	99
22) trans-1,2-Dichloroethene	2.353	96	21862	2.583	ppbv	99
23) Vinyl Acetate	2.476	43	30926	3.710	ppbv #	96
24) 1,1-Dichloroethane	2.424	63	40950	2.211	ppbv	99
25) Ethyl Acetate	2.855	43	126167	2.807	ppbv	98
26) Hexane	2.842	57	52287	3.352	ppbv	98
27) Carbon Disulfide	2.162	76	50347	3.401	ppbv #	57
28) Methyl tert-Butyl Ether	2.457	73	43777	3.724	ppbv	94
29) Chloroform	2.865	83	74846	2.583	ppbv	99
30) Cyclohexane	3.878	84	46542	3.935	ppbv	95
31) cis-1,2-Dichloroethene	2.738	61	50096	3.120	ppbv	95
32) 1,1,1-Trichloroethane	3.389	97	72210	2.750	ppbv	99
34) 2-Butanone	2.573	43	78681	2.267	ppbv	97
35) Carbon Tetrachloride	3.790	117	69223	2.079	ppbv	92
36) Benzene	3.680	78	106654	2.534	ppbv	96
37) 1,2-Dichloroethane	3.240	62	54776	1.980	ppbv	98
38) Trichloroethene	4.574	130	41427	2.559	ppbv	91
39) 1,2-Dichloropropane	4.341	63	21050	1.293	ppbv	94
40) 1,4-Dioxane	4.629	88	18864	2.994	ppbv #	71
41) Tetrahydrofuran	3.078	42	44570	2.726	ppbv	97
42) Bromodichloromethane	4.515	83	75424	2.324	ppbv	96
43) Methyl Methacrylate	4.910	69	19569	1.481	ppbv #	1
44) 2,2,4-Trimethylpentane	4.674	57	180117	2.597	ppbv	100
45) t-1,3-Dichloropropene	6.454	75	43372	3.361	ppbv	99

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

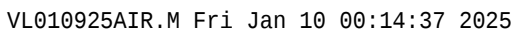
Instrument :
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 ClientSampleId :

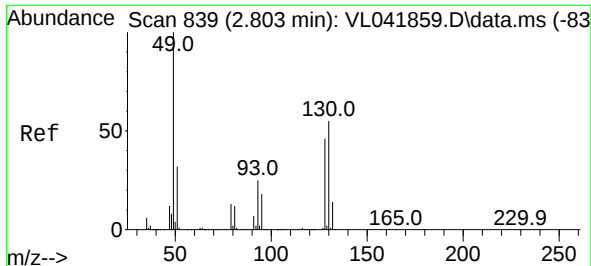
Quant Time: Jan 10 00:14:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	55051	3.240	ppbv	90
47) 1,1,2-Trichloroethane	6.616	97	21227	1.234	ppbv	96
48) Dibromochloromethane	7.419	129	61313	2.797	ppbv	98
49) Bromoform	9.506	173	53734	3.059	ppbv	99
50) 4-Methyl-2-Pentanone	5.797	43	108191	2.696	ppbv	99
51) 2-Hexanone	7.470	43	90844	2.991	ppbv #	98
52) Tetrachloroethene	8.250	164	37701	3.021	ppbv	94
53) Toluene	6.969	91	125295	3.345	ppbv	97
54) 1,2-Dibromoethane	7.681	107	54562	2.587	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.946	131	51252	2.240	ppbv	97
57) Chlorobenzene	8.946	112	94006	2.242	ppbv	95
58) Ethyl Benzene	9.377	91	177814	3.250	ppbv	98
59) m/p-Xylene	9.552	91	157253	3.262	ppbv #	100
60) o-Xylene	9.985	91	138722	2.953	ppbv	100
61) Styrene	9.891	104	68864	3.779	ppbv	100
62) Isopropylbenzene	10.558	105	212705	2.882	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.985	83	82870	2.012	ppbv	99
64) n-propylbenzene	11.008	120	54888	2.899	ppbv	97
65) tert-Butylbenzene	11.549	119	196649	2.957	ppbv	99
66) Benzyl Chloride	11.636	91	20300	3.644	ppbv	99
67) sec-Butylbenzene	11.785	105	270495	2.787	ppbv	98
69) p-Isopropyltoluene	11.943	119	229731	3.015	ppbv	100
70) n-Butylbenzene	12.299	91	230497	3.011	ppbv	100
71) 2-Chlorotoluene	10.921	91	161864	3.021	ppbv	99
72) 4-Ethyltoluene	11.144	105	175142	3.083	ppbv	100
73) 1,3,5-Trimethylbenzene	11.222	105	146927	2.953	ppbv	99
74) 1,2,4-Trimethylbenzene	11.555	105	163980	2.845	ppbv	97
75) 1,3-Dichlorobenzene	11.626	146	95654	2.480	ppbv	99
76) 1,4-Dichlorobenzene	11.691	146	95164	2.564	ppbv	100
77) 1,2-Dichlorobenzene	11.966	146	90047	2.240	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	81017	2.839	ppbv	99
79) Naphthalene	13.529	128	181703	4.280	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	107211	6.823	ppbv	100
81) 1,2,4-Trichlorobenzene	13.458	180	86805	3.689	ppbv	99

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

Quant Time: Jan 10 00:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

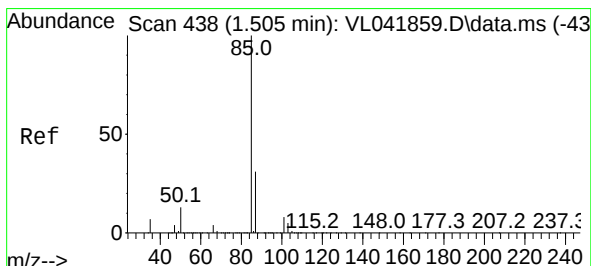
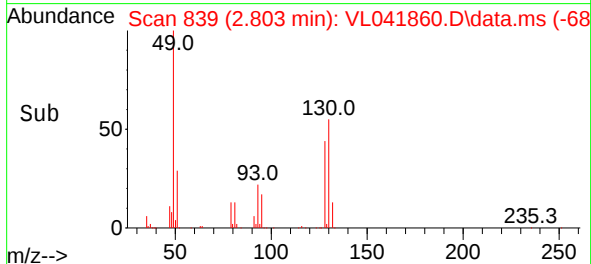
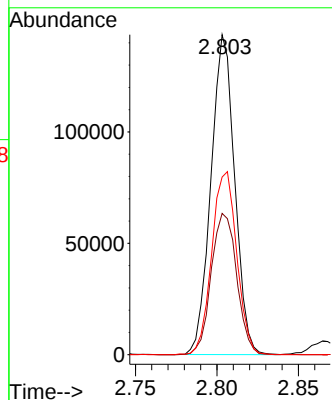
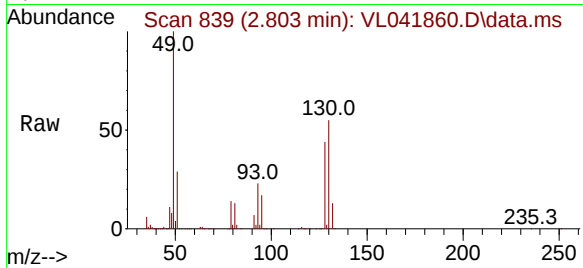




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 839
Delta R.T. 0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

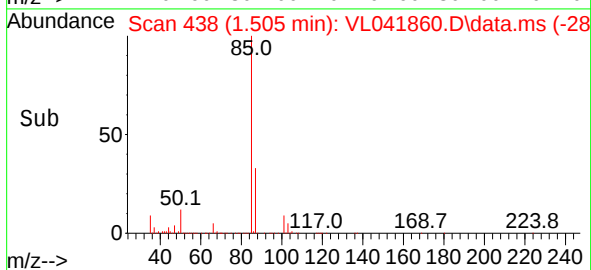
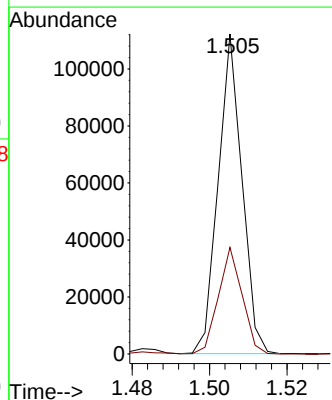
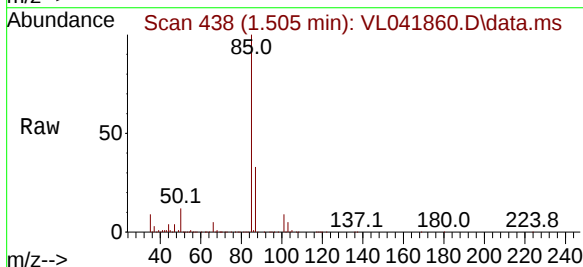
Instrument :
MSVOA_L
ClientSampleId :

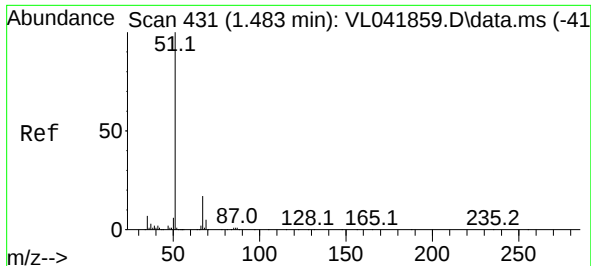
Tgt Ion: 49 Resp: 145561
Ion Ratio Lower Upper
49 100
128 47.5 23.2 69.5
130 60.1 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 2.003 ppbv
RT: 1.505 min Scan# 438
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 85 Resp: 47849
Ion Ratio Lower Upper
85 100
87 33.4 25.2 37.8

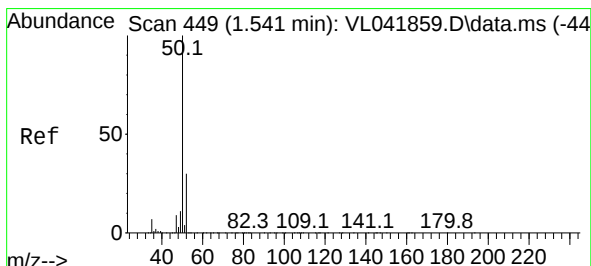
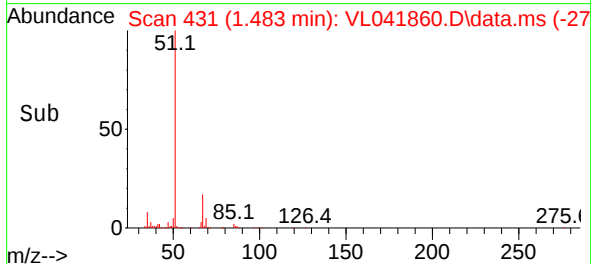
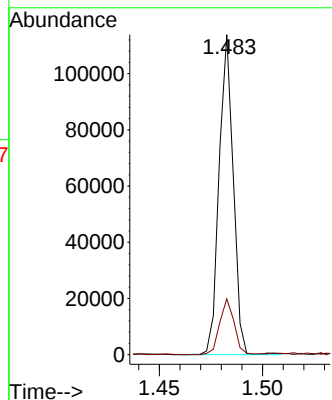
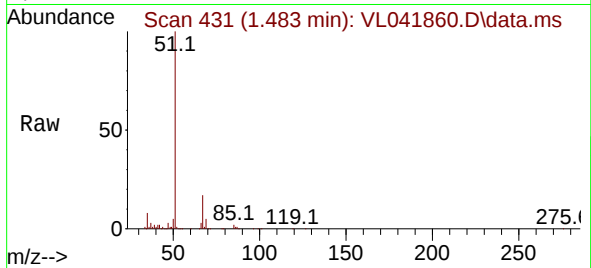




#3
Chlorodifluoromethane
Concen: 2.387 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

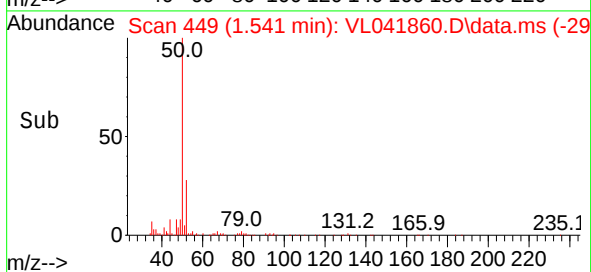
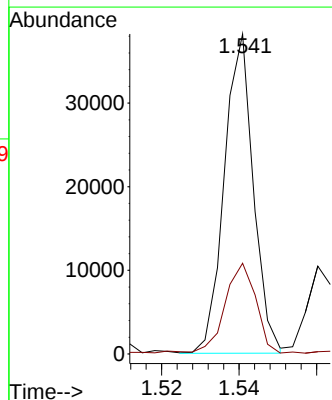
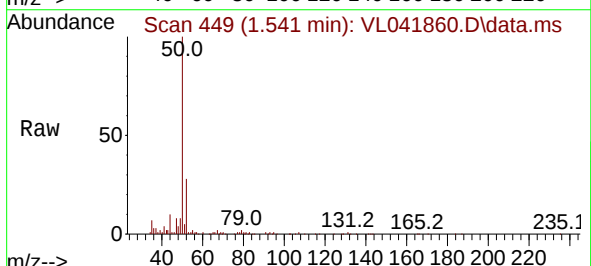
Instrument :
MSVOA_L
ClientSampleId :

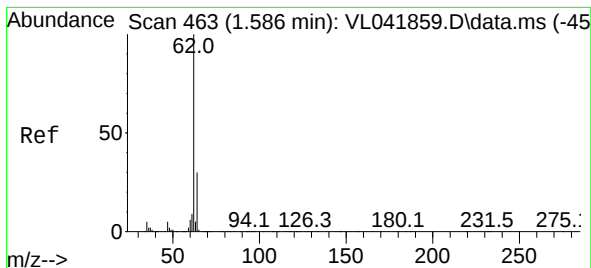
Tgt Ion: 51 Resp: 54474
Ion Ratio Lower Upper
51 100
67 18.6 13.8 20.8



#4
Chloromethane
Concen: 2.024 ppbv
RT: 1.541 min Scan# 449
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 50 Resp: 19879
Ion Ratio Lower Upper
50 100
52 28.1 23.9 35.9





#5

Vinyl Chloride

Concen: 1.846 ppbv

RT: 1.589 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

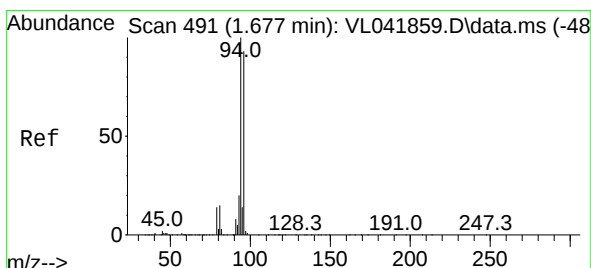
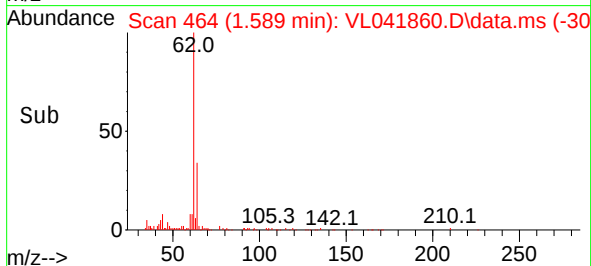
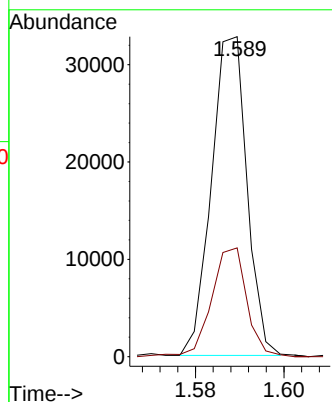
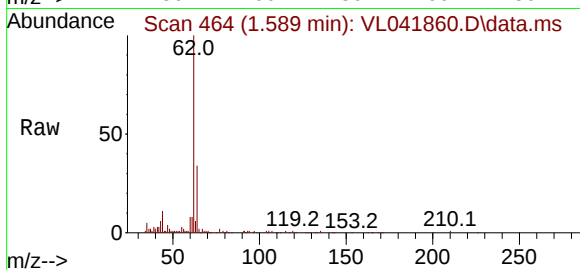
ClientSampleId :

Tgt Ion: 62 Resp: 18283

Ion Ratio Lower Upper

62 100

64 33.5 24.1 36.1



#6

Bromomethane

Concen: 2.310 ppbv

RT: 1.677 min Scan# 491

Delta R.T. -0.000 min

Lab File: VL041860.D

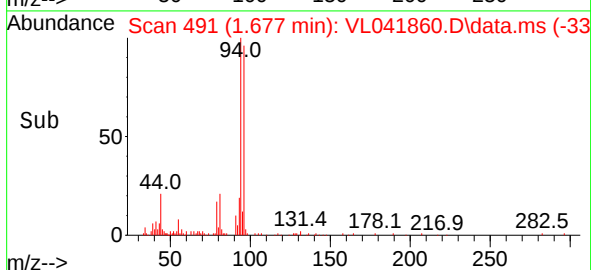
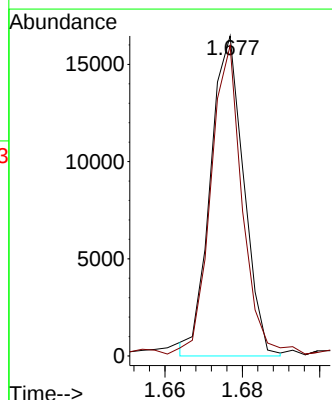
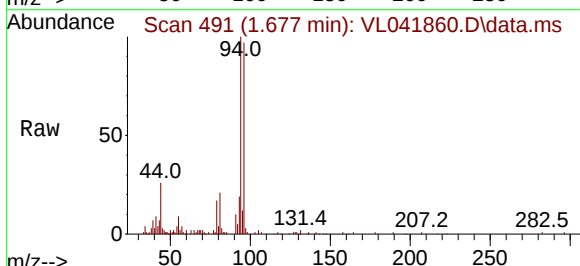
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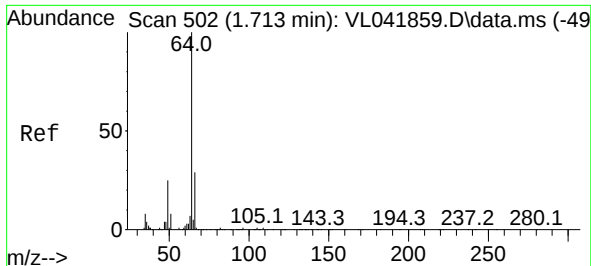
Tgt Ion: 94 Resp: 9801

Ion Ratio Lower Upper

94 100

96 95.3 74.8 112.2

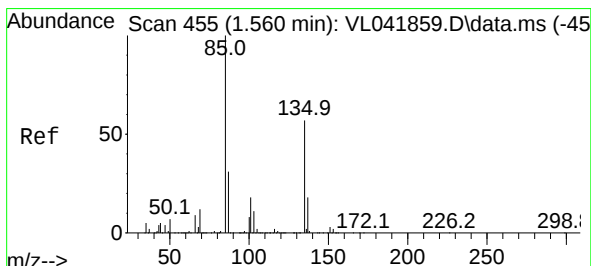
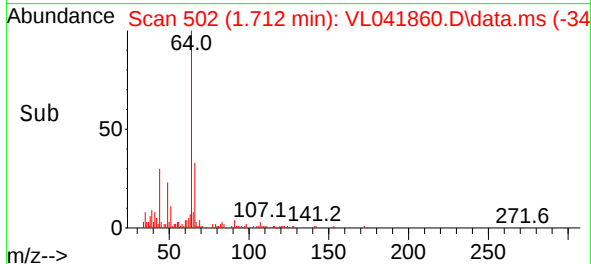
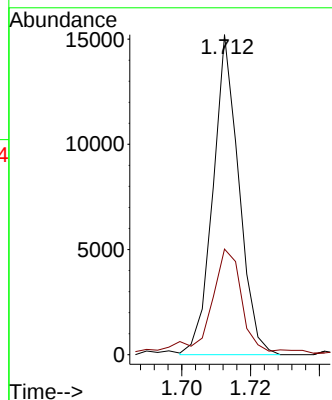
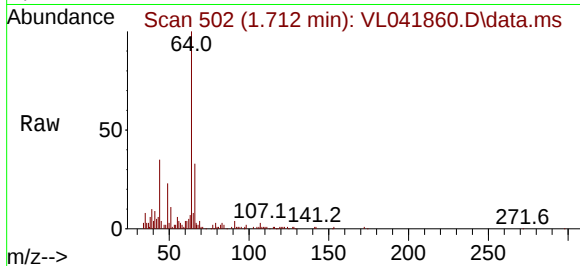




#7
Chloroethane
Concen: 2.084 ppbv
RT: 1.712 min Scan# 502
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

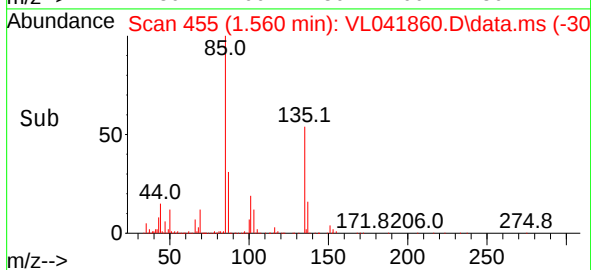
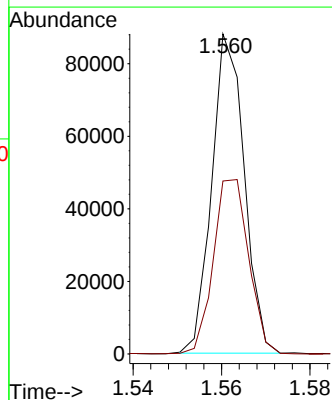
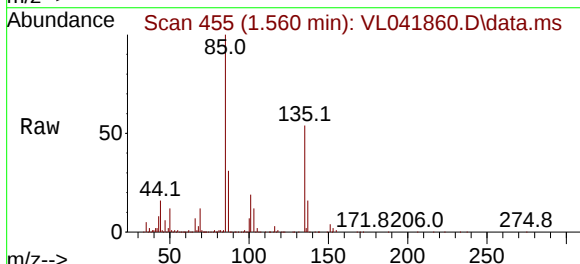
Instrument :
MSVOA_L
ClientSampleId :

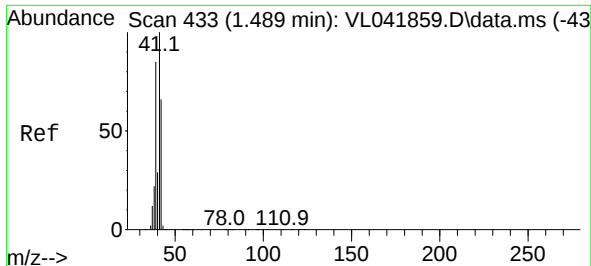
Tgt Ion: 64 Resp: 7947
Ion Ratio Lower Upper
64 100
66 33.0 23.0 34.6



#8
Dichlorotetrafluoroethane
Concen: 2.176 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 85 Resp: 44848
Ion Ratio Lower Upper
85 100
135 60.3 52.2 78.4





#9

Propene

Concen: 3.136 ppbv

RT: 1.489 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

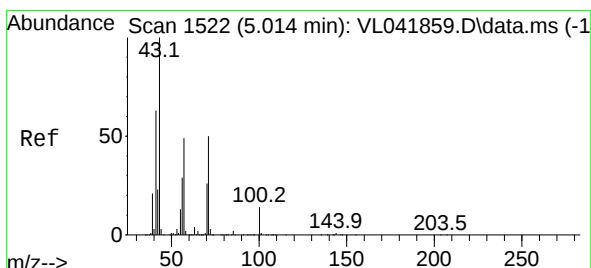
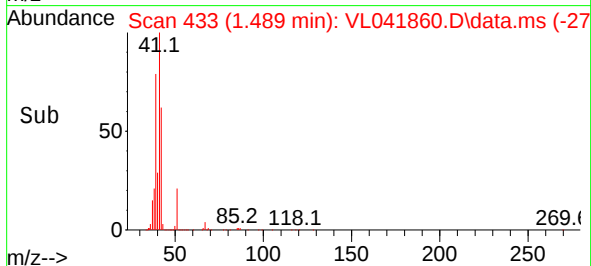
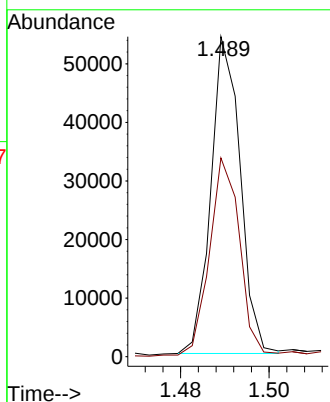
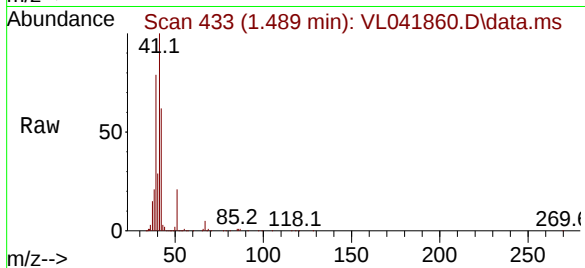
ClientSampleId :

Tgt Ion: 41 Resp: 24915

Ion Ratio Lower Upper

41 100

42 68.1 53.0 79.6



#10

Heptane

Concen: 3.369 ppbv

RT: 5.011 min Scan# 1521

Delta R.T. -0.003 min

Lab File: VL041860.D

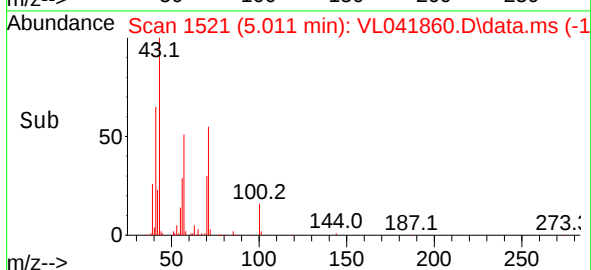
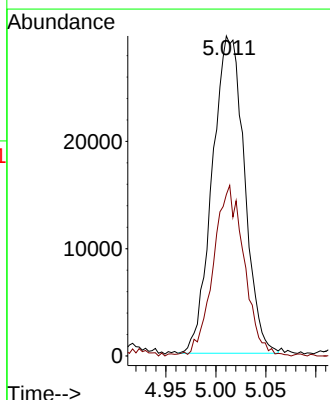
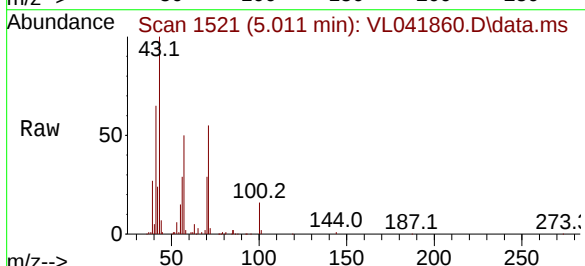
Acq: 09 Jan 2025 11:52

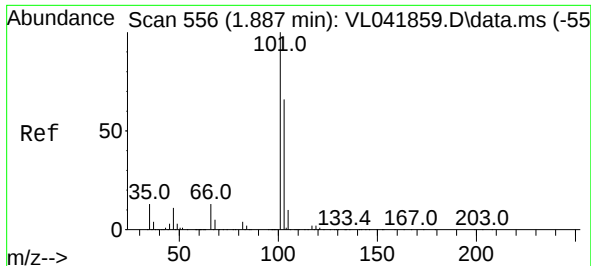
Tgt Ion: 43 Resp: 66122

Ion Ratio Lower Upper

43 100

57 52.2 40.2 60.2





#11

Trichlorofluoromethane

Concen: 2.150 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

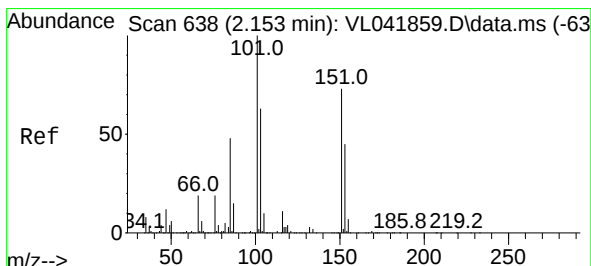
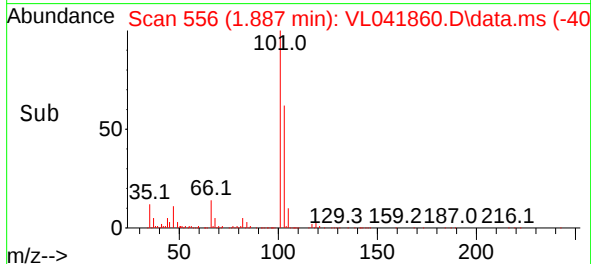
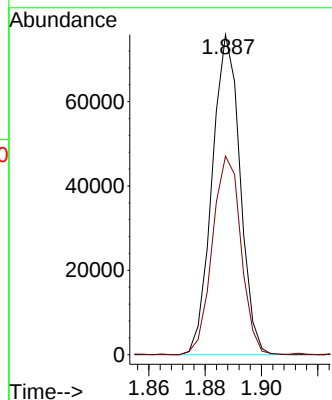
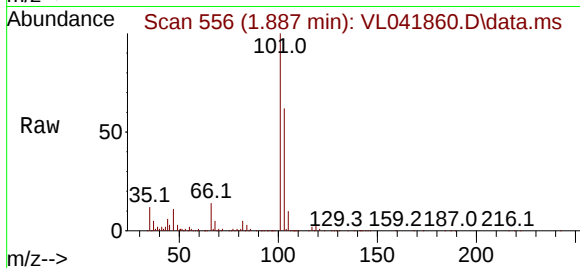
ClientSampleId :

Tgt Ion:101 Resp: 52216

Ion Ratio Lower Upper

101 100

103 62.1 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.322 ppbv

RT: 2.153 min Scan# 638

Delta R.T. -0.000 min

Lab File: VL041860.D

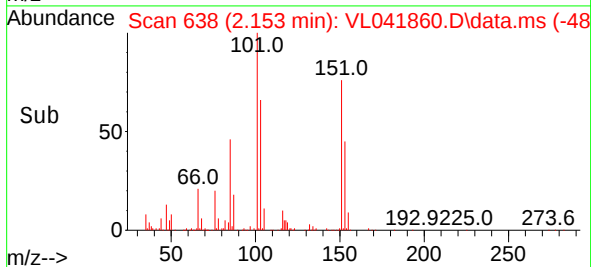
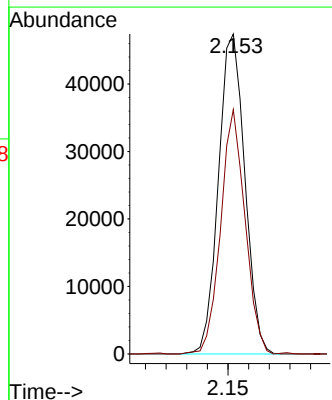
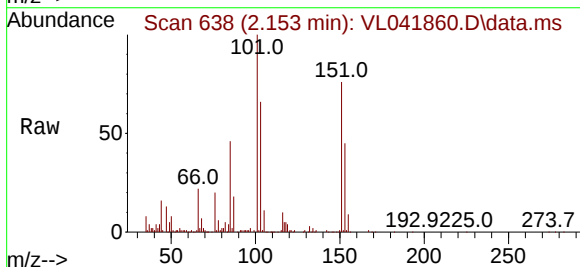
Acq: 09 Jan 2025 11:52

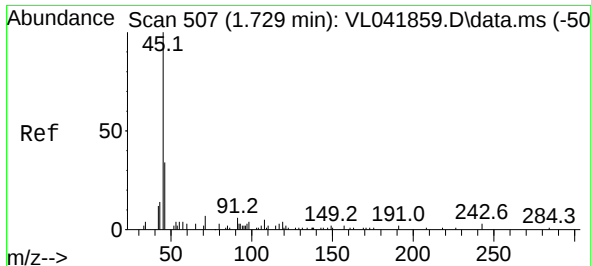
Tgt Ion:101 Resp: 41991

Ion Ratio Lower Upper

101 100

151 70.9 59.4 89.0





#13

Ethanol

Concen: 2.144 ppbv

RT: 1.729 min Scan# 507

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

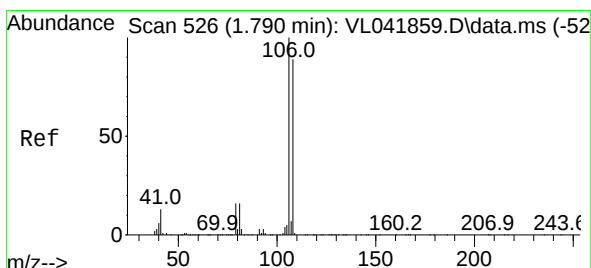
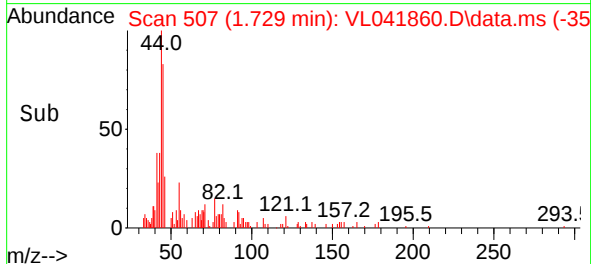
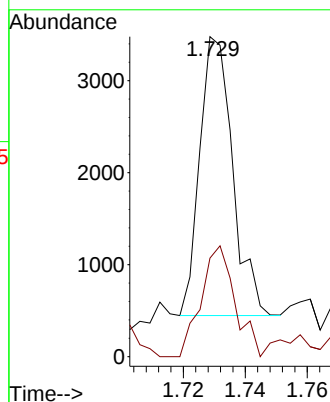
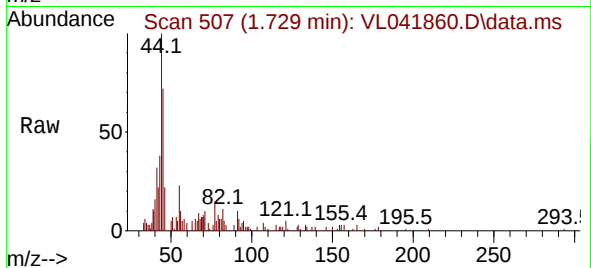
ClientSampleId :

Tgt Ion: 45 Resp: 2238

Ion Ratio Lower Upper

45 100

46 57.1 19.0 76.0



#14

Bromoethene

Concen: 2.568 ppbv

RT: 1.790 min Scan# 526

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

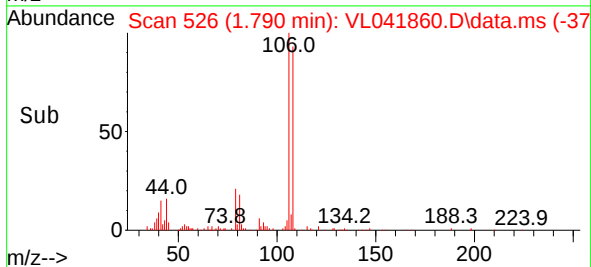
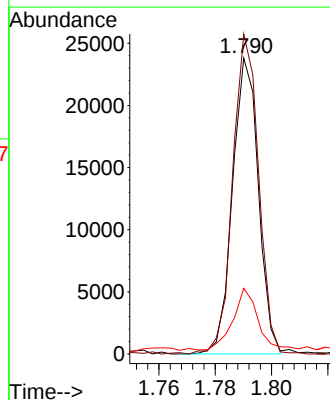
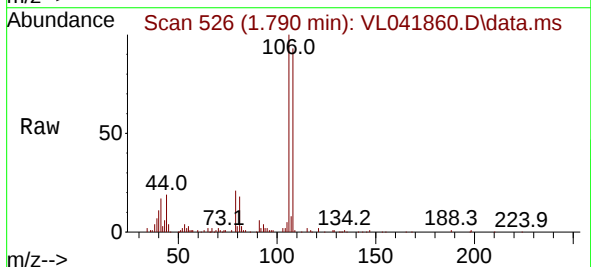
Tgt Ion: 108 Resp: 15205

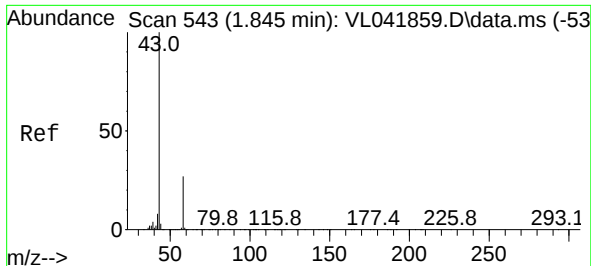
Ion Ratio Lower Upper

108 100

106 108.0 86.9 130.3

79 24.2 15.6 23.4#

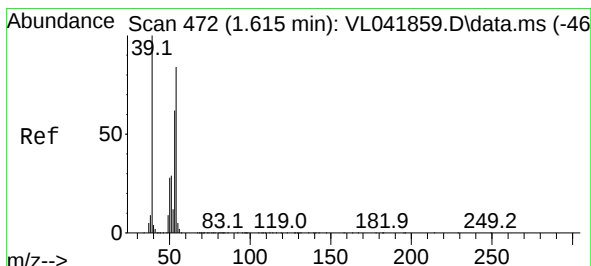
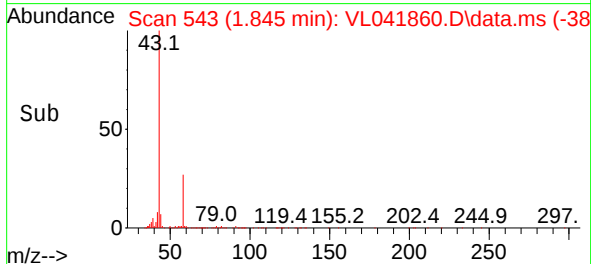
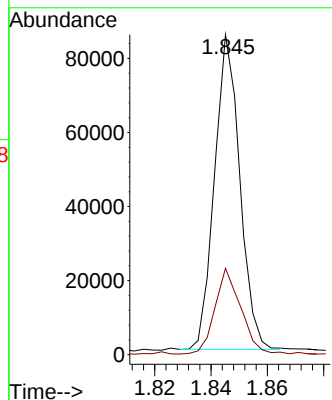
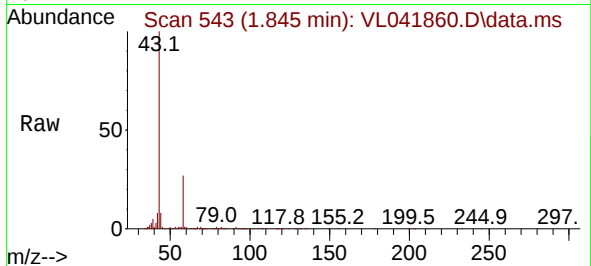




#15
Acetone
Concen: 1.975 ppbv
RT: 1.845 min Scan# 543
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

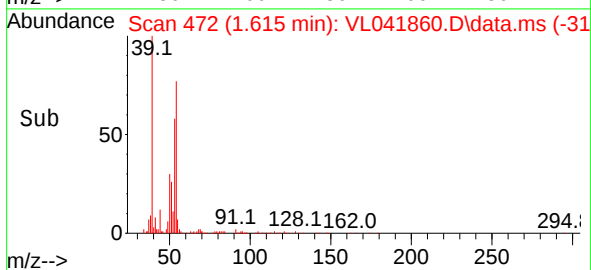
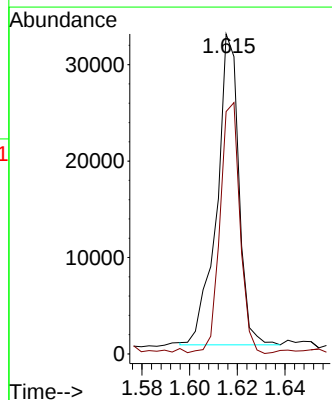
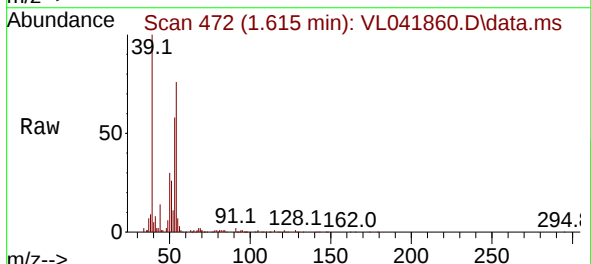
Instrument :
MSVOA_L
ClientSampleId :

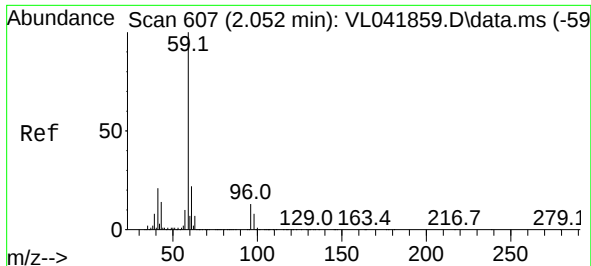
Tgt Ion: 43 Resp: 52918
Ion Ratio Lower Upper
43 100
58 31.0 22.7 34.1



#16
1,3-Butadiene
Concen: 1.966 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 39 Resp: 20658
Ion Ratio Lower Upper
39 100
54 72.3 60.1 90.1





#17

tert-Butyl alcohol

Concen: 2.502 ppbv

RT: 2.052 min Scan# 607

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

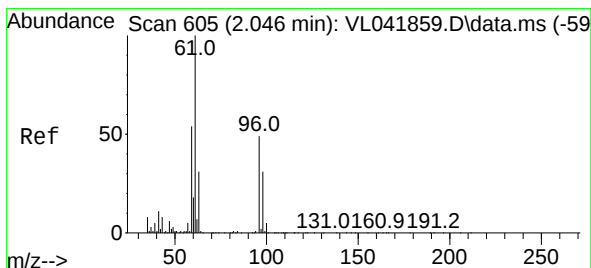
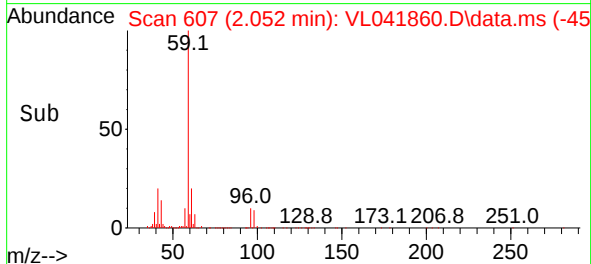
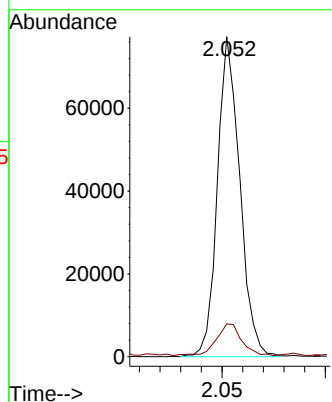
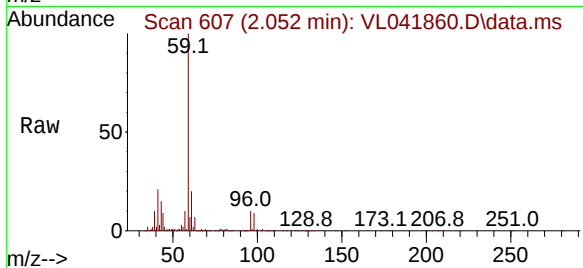
ClientSampleId :

Tgt Ion: 59 Resp: 58092

Ion Ratio Lower Upper

59 100

57 12.1 8.2 12.4



#18

1,1-Dichloroethene

Concen: 2.397 ppbv

RT: 2.046 min Scan# 605

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

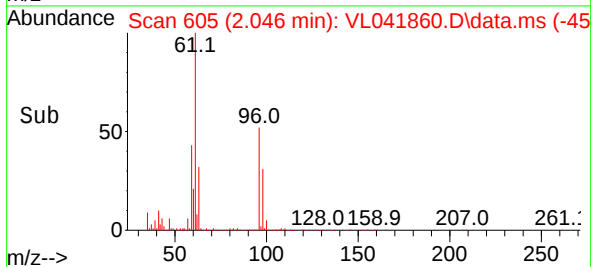
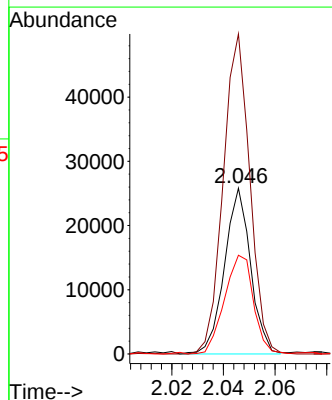
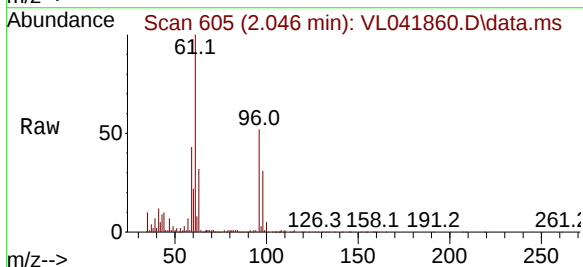
Tgt Ion: 96 Resp: 18153

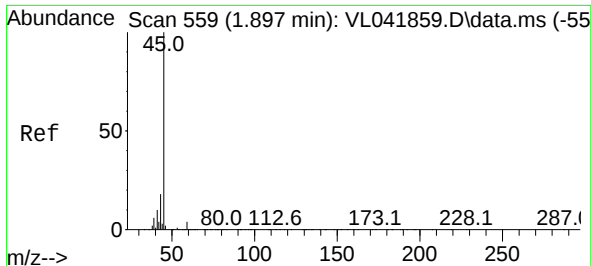
Ion Ratio Lower Upper

96 100

61 193.0 161.7 242.5

98 58.6 51.0 76.4





#19

Isopropyl Alcohol

Concen: 2.069 ppbv

RT: 1.897 min Scan# 559

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

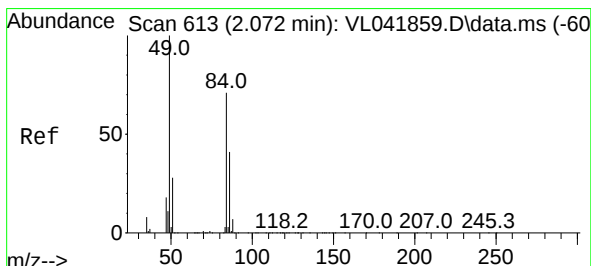
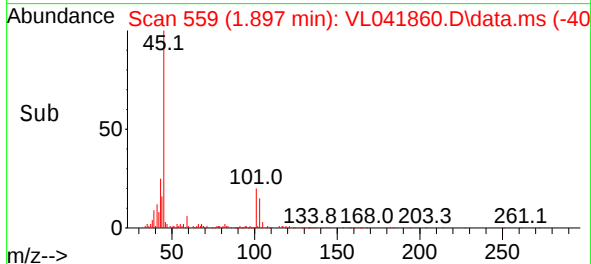
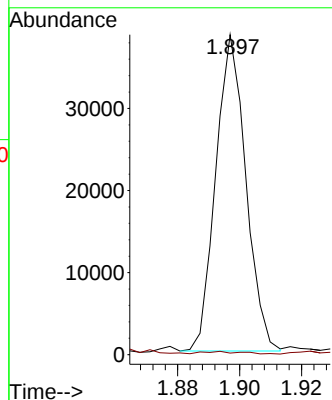
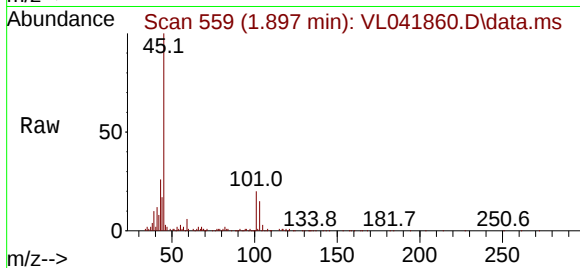
ClientSampleId :

Tgt Ion: 45 Resp: 26028

Ion Ratio Lower Upper

45 100

58 2.7 37.0 55.6#



#20

Methylene Chloride

Concen: 2.237 ppbv

RT: 2.072 min Scan# 613

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion: 84 Resp: 17135

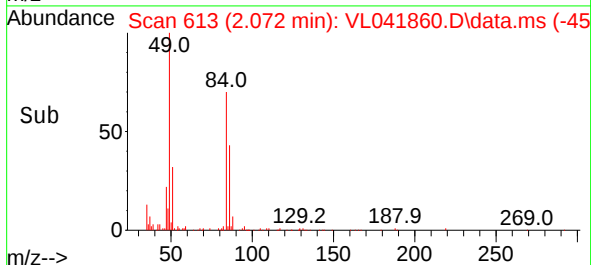
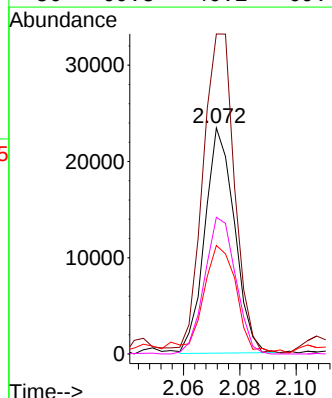
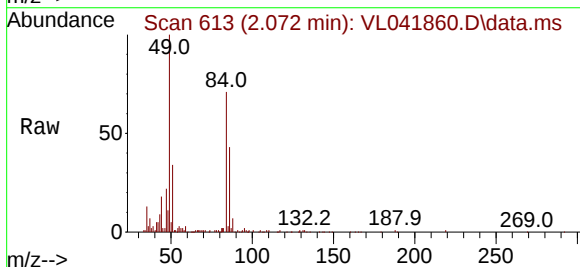
Ion Ratio Lower Upper

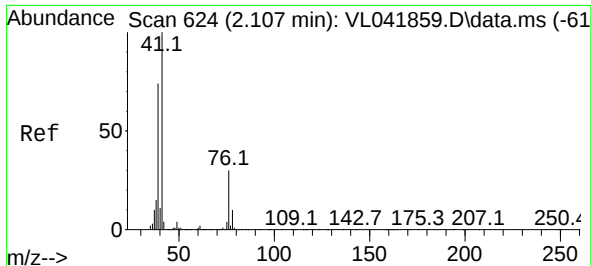
84 100

49 142.1 113.8 170.8

51 46.5 33.5 50.3

86 60.8 46.2 69.4





#21

Allyl Chloride

Concen: 2.348 ppbv

RT: 2.107 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041860.D

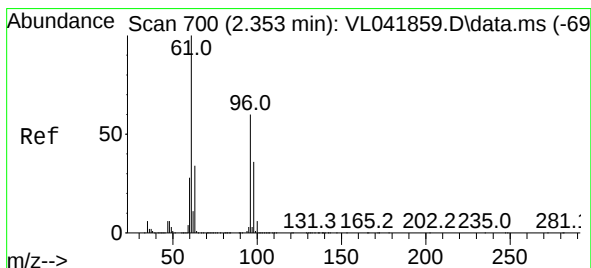
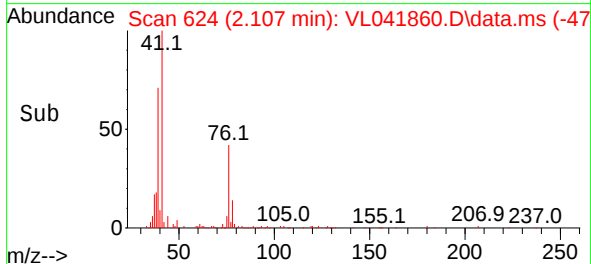
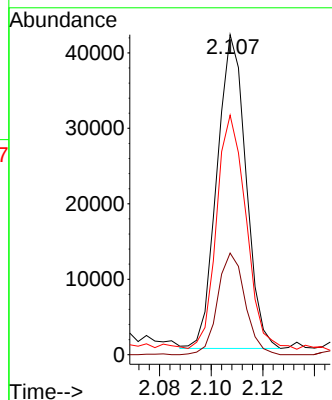
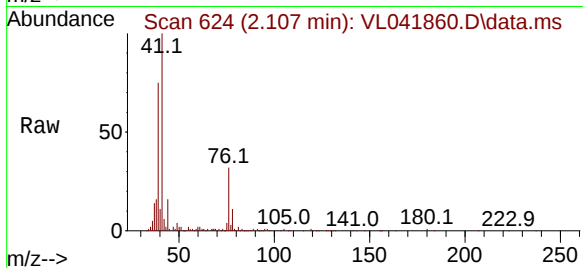
Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 41	Resp: 32414
Ion Ratio	Lower Upper
41	100
76	30.6 24.6 36.8
39	74.3 60.1 90.1



#22

trans-1,2-Dichloroethene

Concen: 2.583 ppbv

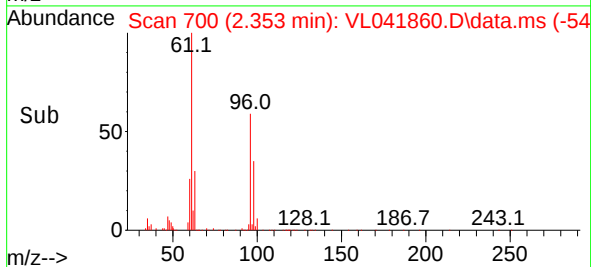
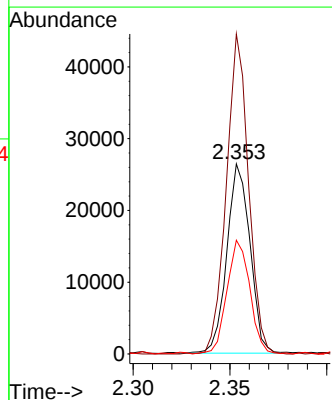
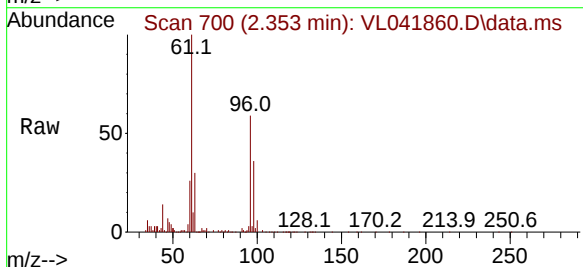
RT: 2.353 min Scan# 700

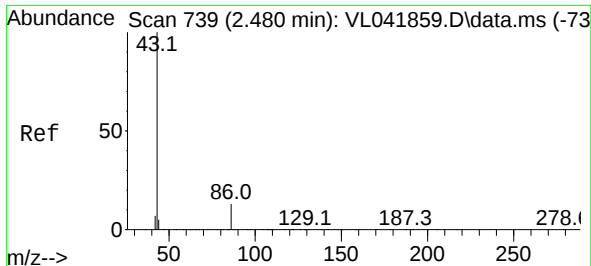
Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

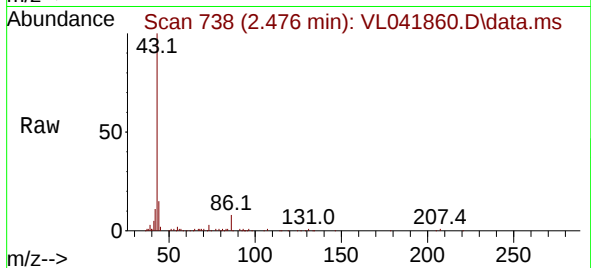
Tgt Ion: 96	Resp: 21862
Ion Ratio	Lower Upper
96	100
61	169.1 134.2 201.4
98	59.8 49.0 73.4





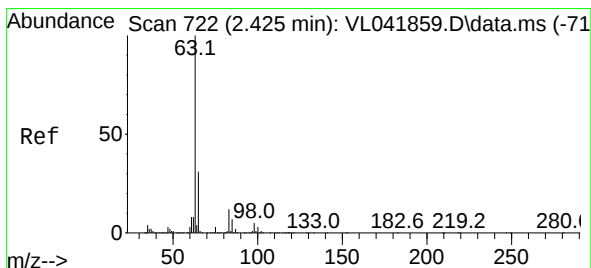
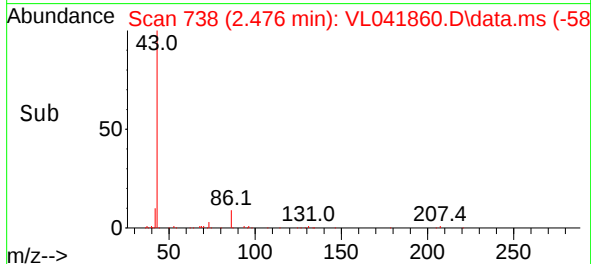
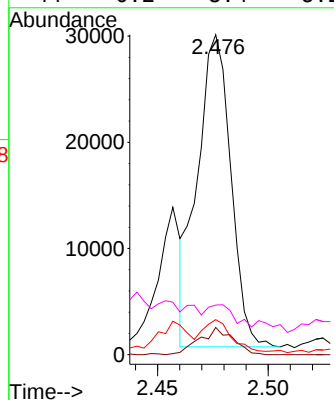
#23
 Vinyl Acetate
 Concen: 3.710 ppbv
 RT: 2.476 min Scan# 739
 Delta R.T. -0.003 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

Instrument :
 MSVOA_1
 ClientSampleId :



Tgt Ion: 43 Resp: 30926

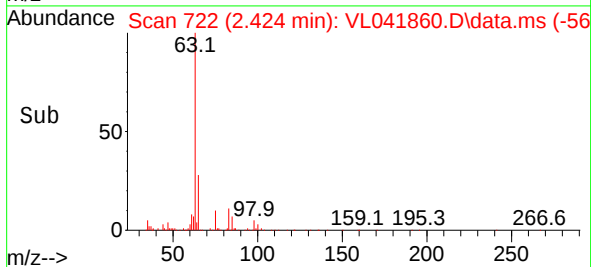
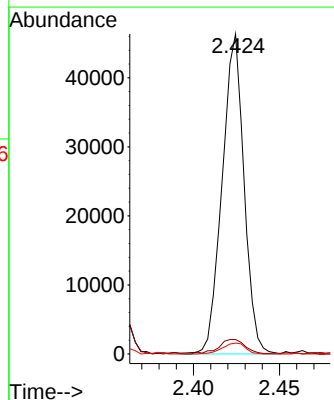
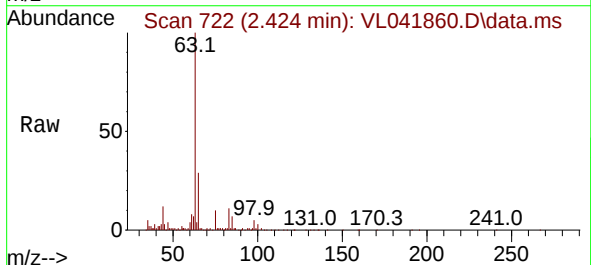
Ion	Ratio	Lower	Upper
43	100		
86	8.7	7.8	11.6
42	9.9	7.0	10.4
44	6.2	3.4	5.2

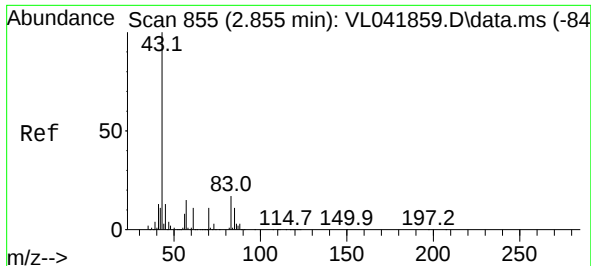


#24
 1,1-Dichloroethane
 Concen: 2.211 ppbv
 RT: 2.424 min Scan# 722
 Delta R.T. -0.000 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

Tgt Ion: 63 Resp: 40950

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.9
100	3.4	1.3	3.8

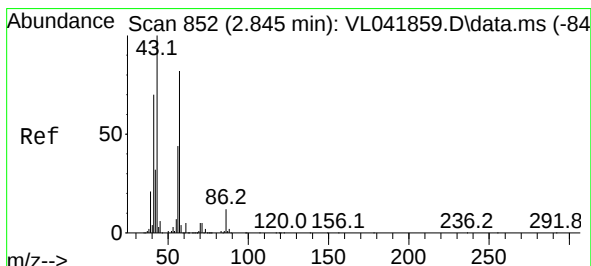
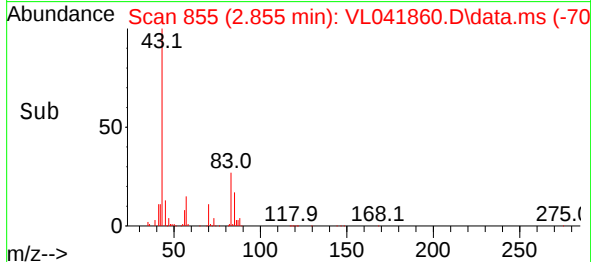
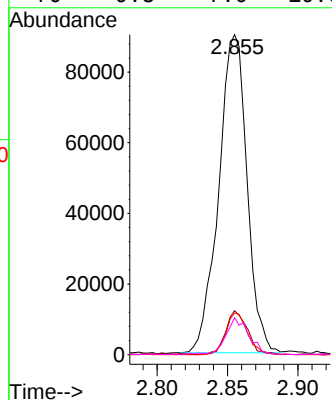
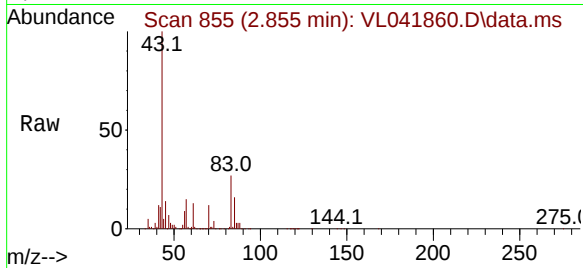




#25
Ethyl Acetate
Concen: 2.807 ppbv
RT: 2.855 min Scan# 855
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

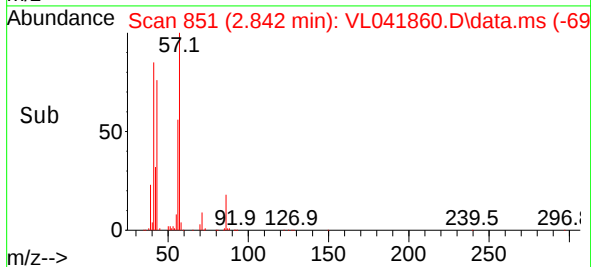
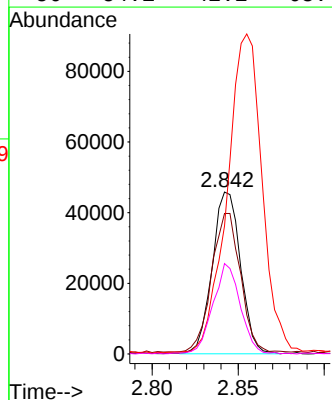
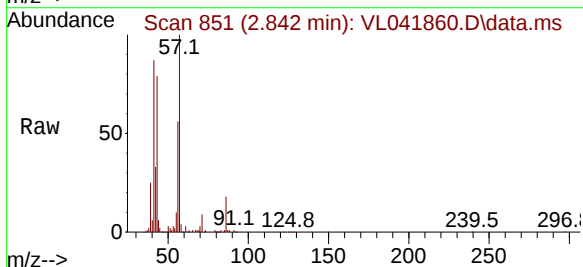
Instrument :
MSVOA_L
ClientSampleId :

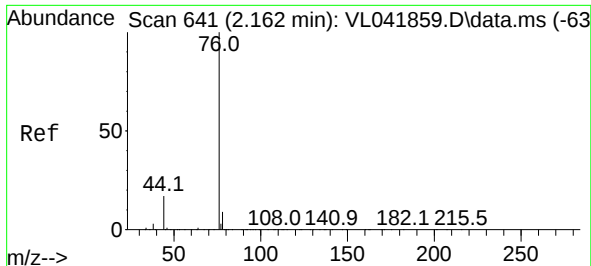
Tgt Ion:	43	Resp:	126167
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	10.1	7.3	10.9
70	9.8	7.0	10.6



#26
Hexane
Concen: 3.352 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:	57	Resp:	52287
Ion	Ratio	Lower	Upper
57	100		
41	91.7	71.5	107.3
43	247.6	200.2	300.4
56	54.1	42.2	63.4





#27

Carbon Disulfide

Concen: 3.401 ppbv

RT: 2.162 min Scan# 641

Delta R.T. -0.000 min

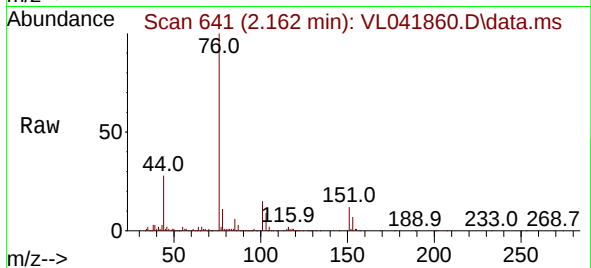
Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

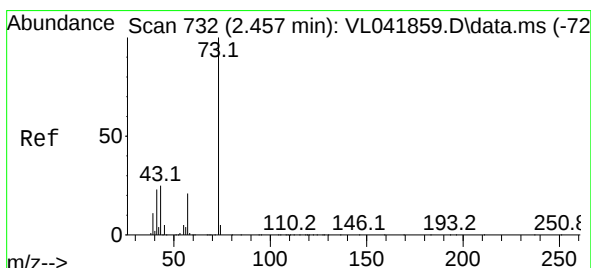
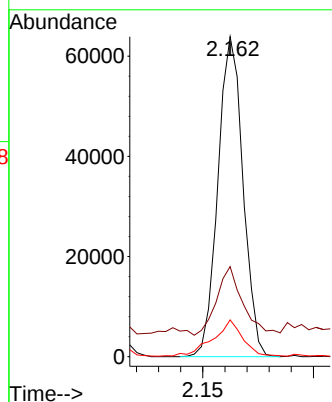
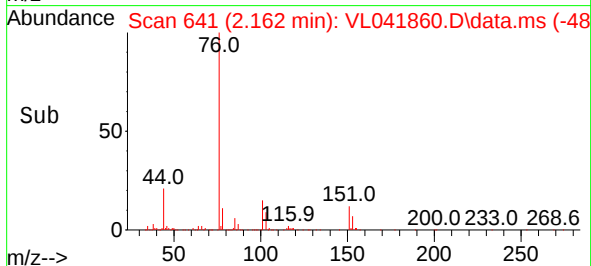
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 76	Resp: 50347
Ion Ratio	Lower Upper
76	100
44	46.8 13.1 19.7#
78	13.6 9.5 14.3



#28

Methyl tert-Butyl Ether

Concen: 3.724 ppbv

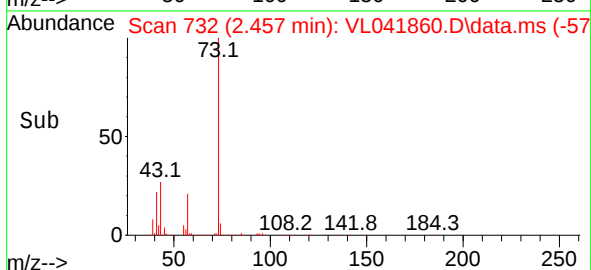
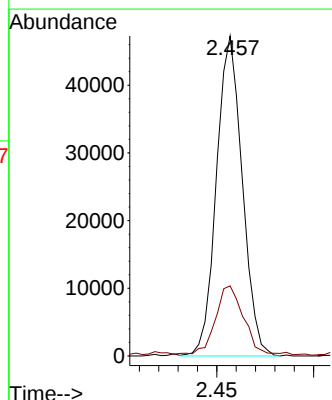
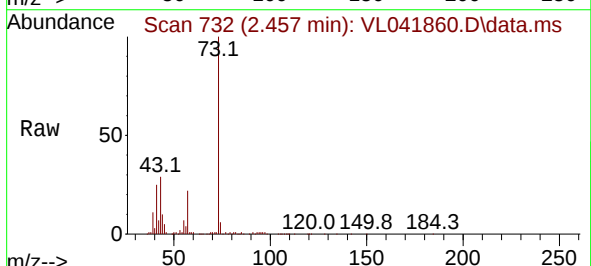
RT: 2.457 min Scan# 732

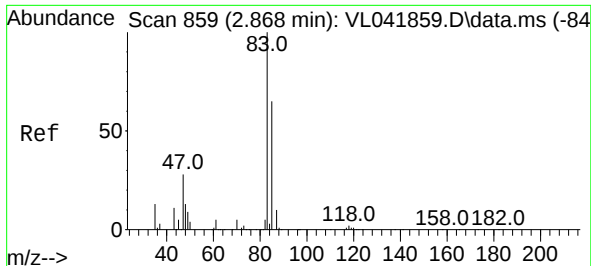
Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion: 73	Resp: 43777
Ion Ratio	Lower Upper
73	100
57	24.7 17.5 26.3





#29

Chloroform

Concen: 2.583 ppbv

RT: 2.865 min Scan# 859

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

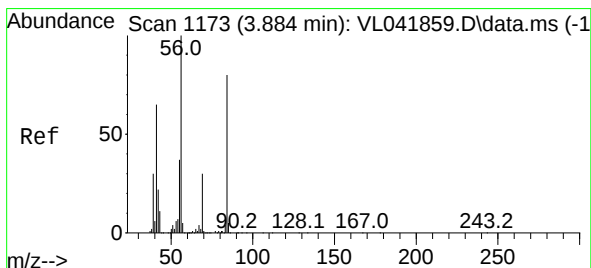
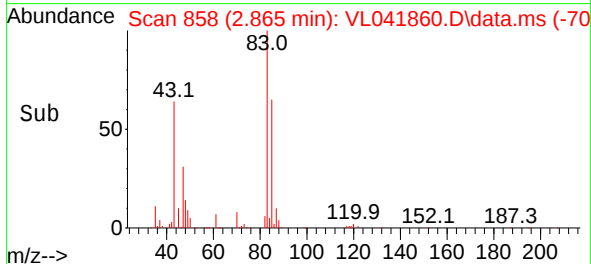
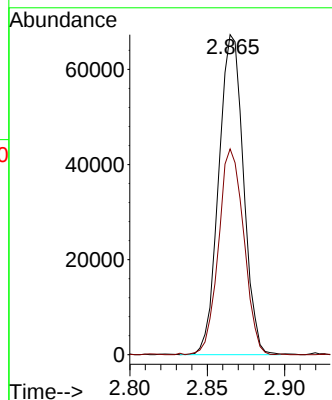
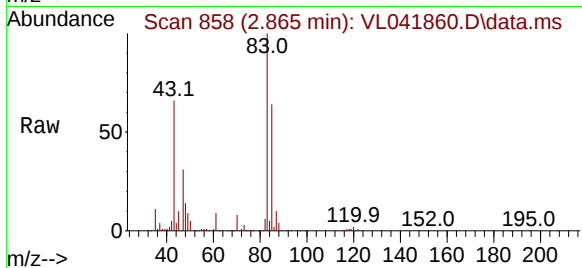
ClientSampleId :

Tgt Ion: 83 Resp: 74846

Ion Ratio Lower Upper

83 100

85 64.1 51.7 77.5



#30

Cyclohexane

Concen: 3.935 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. -0.007 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

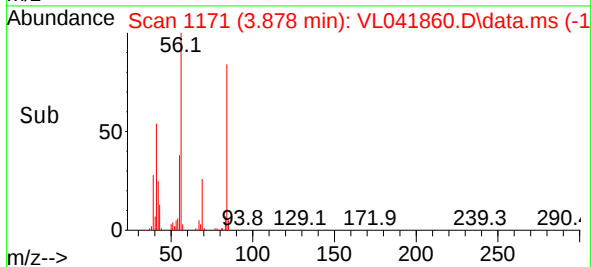
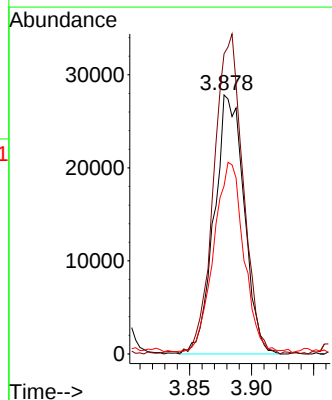
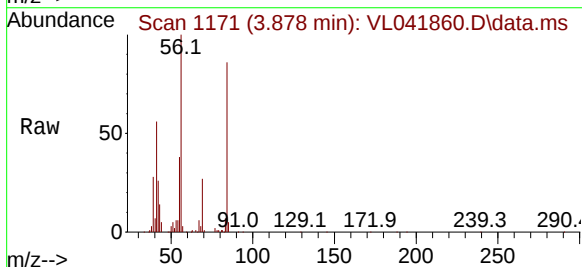
Tgt Ion: 84 Resp: 46542

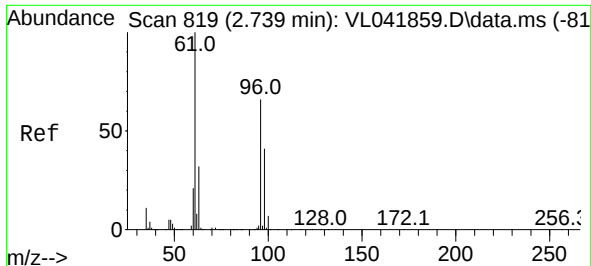
Ion Ratio Lower Upper

84 100

56 121.6 100.7 151.1

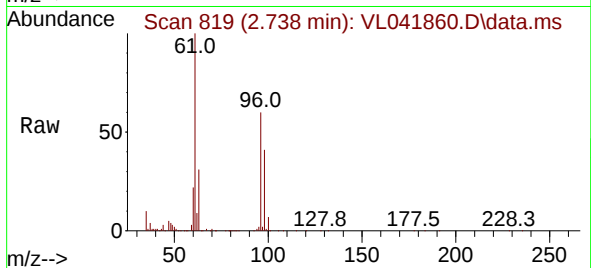
41 73.1 62.8 94.2



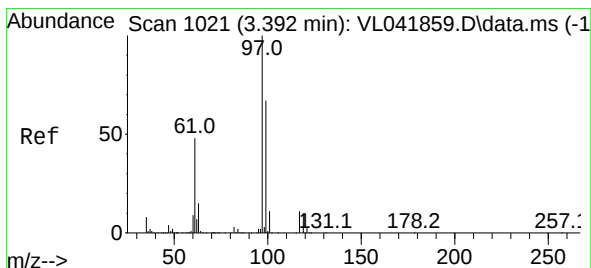
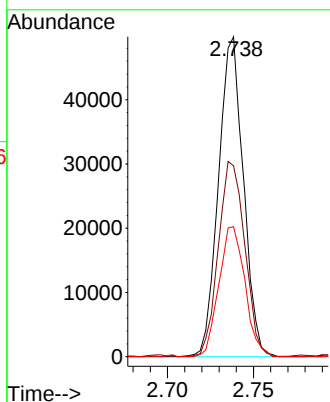
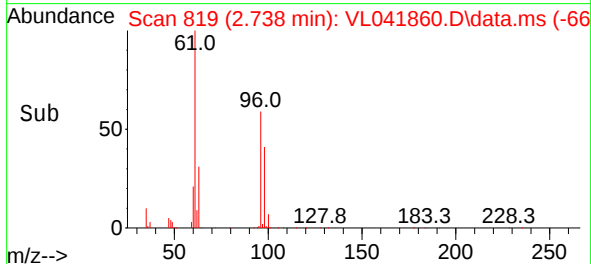


#31
 cis-1,2-Dichloroethene
 Concen: 3.120 ppbv
 RT: 2.738 min Scan# 819
 Delta R.T. -0.000 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

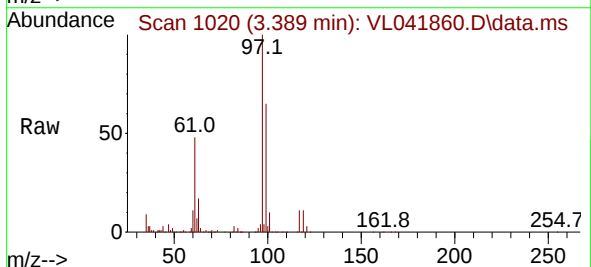
Instrument :
 MSVOA_L
 ClientSampleId :



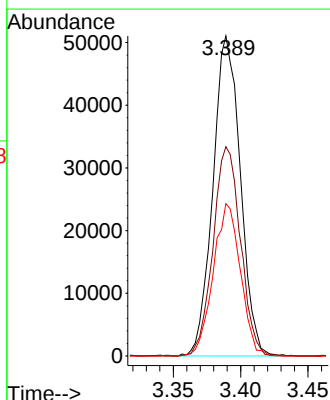
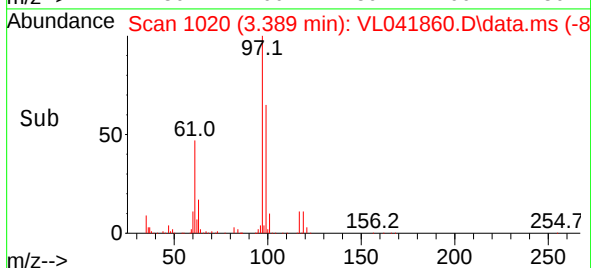
Tgt Ion: 61 Resp: 50096
 Ion Ratio Lower Upper
 61 100
 96 59.6 53.2 79.8
 98 40.6 32.5 48.7

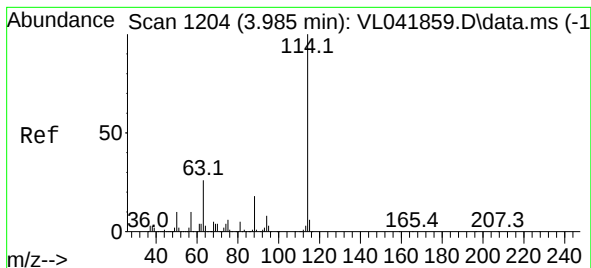


#32
 1,1,1-Trichloroethane
 Concen: 2.750 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. -0.003 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52



Tgt Ion: 97 Resp: 72210
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.0 78.0
 61 47.2 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

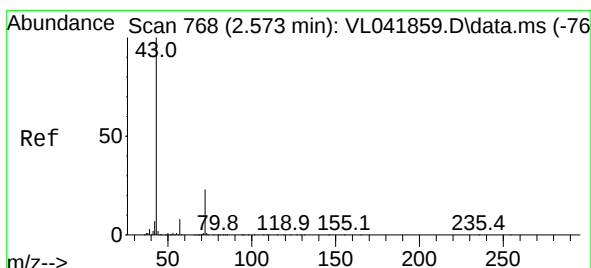
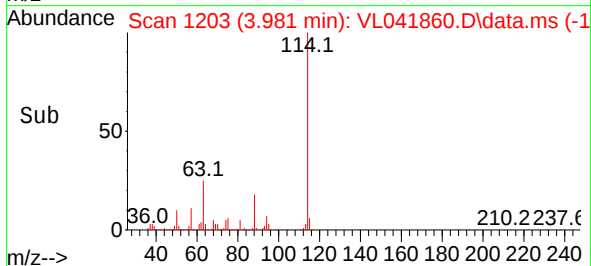
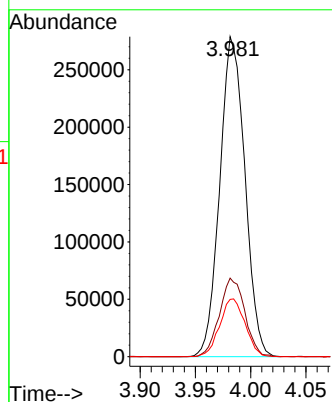
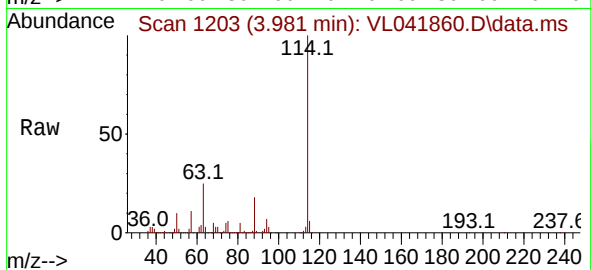
Tgt Ion:114 Resp: 440592

Ion Ratio Lower Upper

114 100

63 24.8 20.3 30.5

88 18.3 14.6 21.8



#34

2-Butanone

Concen: 2.267 ppbv

RT: 2.573 min Scan# 768

Delta R.T. -0.000 min

Lab File: VL041860.D

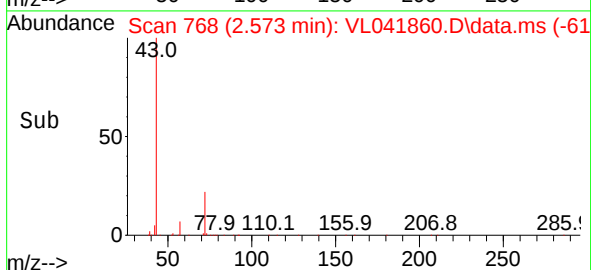
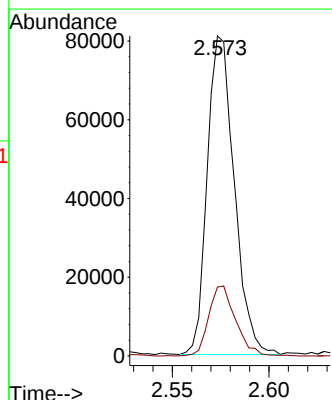
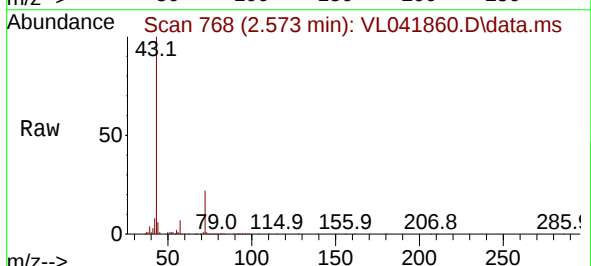
Acq: 09 Jan 2025 11:52

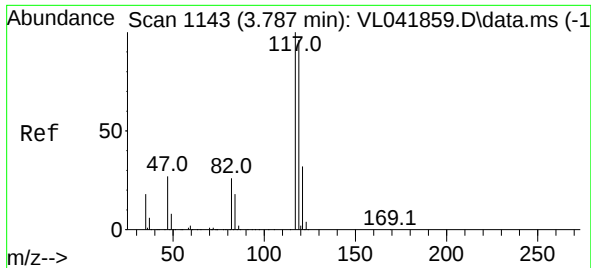
Tgt Ion: 43 Resp: 78681

Ion Ratio Lower Upper

43 100

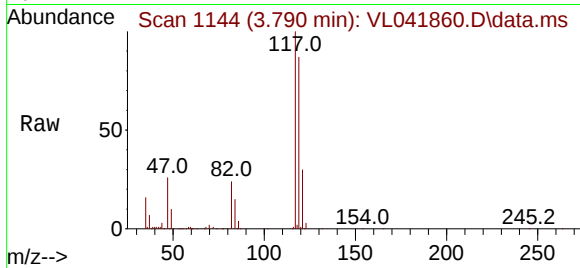
72 21.9 18.5 27.7



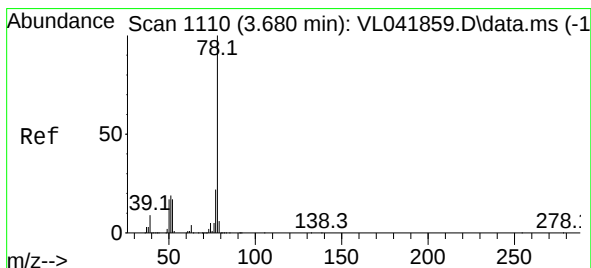
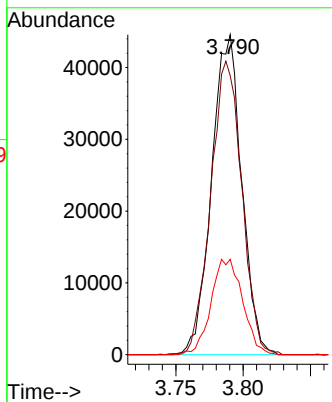
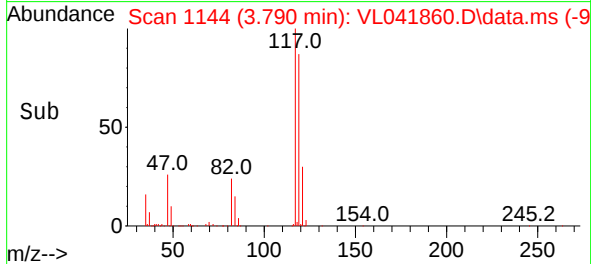


#35
Carbon Tetrachloride
Concen: 2.079 ppbv
RT: 3.790 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

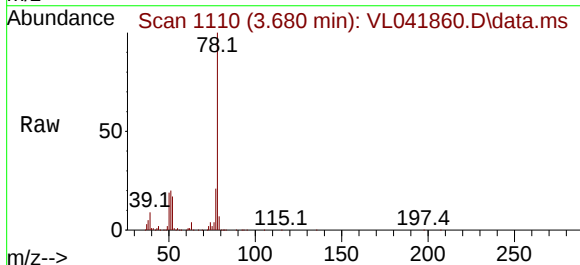
Instrument :
MSVOA_L
ClientSampleId :



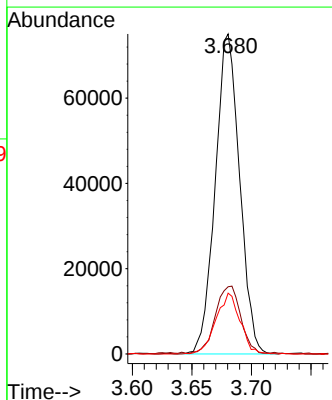
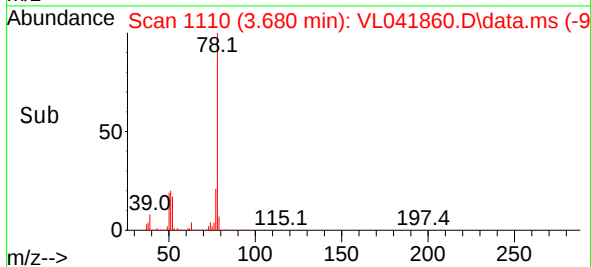
Tgt Ion:117 Resp: 69223
Ion Ratio Lower Upper
117 100
119 86.8 76.9 115.3
121 29.8 25.9 38.9

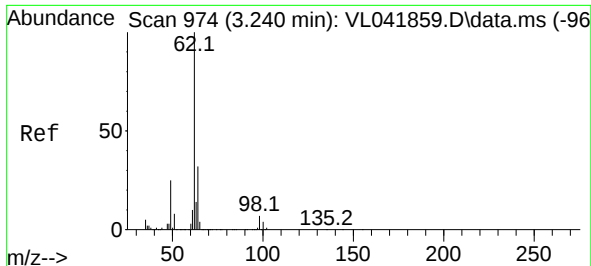


#36
Benzene
Concen: 2.534 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



Tgt Ion: 78 Resp: 106654
Ion Ratio Lower Upper
78 100
77 20.8 17.9 26.9
50 19.0 13.7 20.5

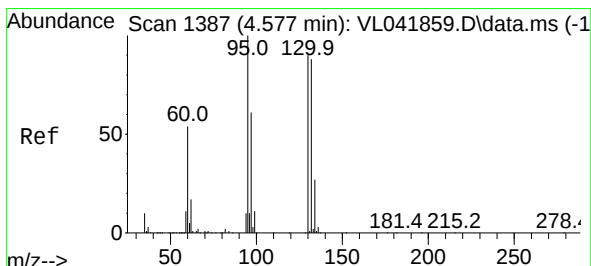
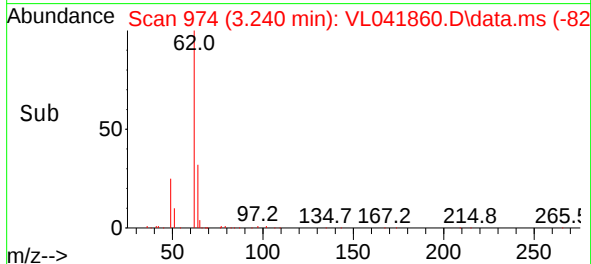
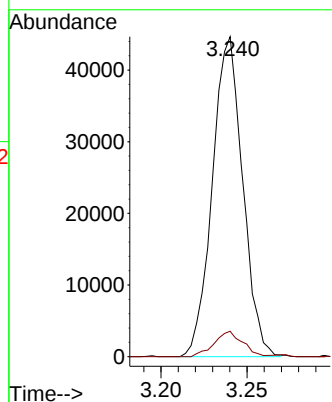
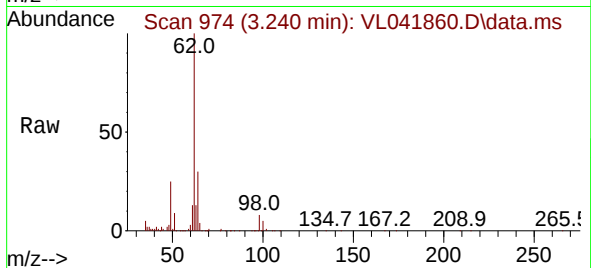




#37
1,2-Dichloroethane
Concen: 1.980 ppbv
RT: 3.240 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

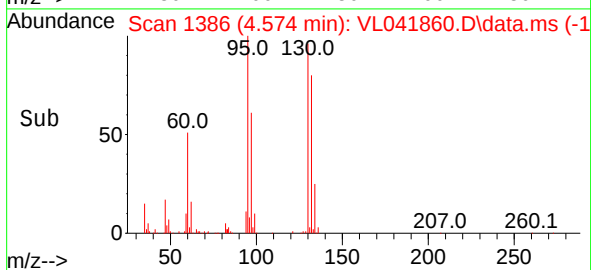
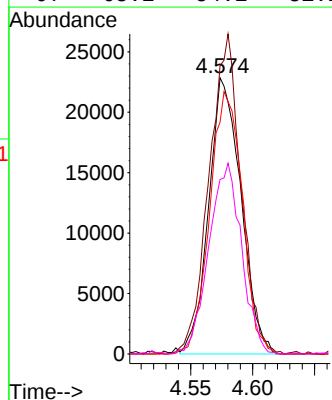
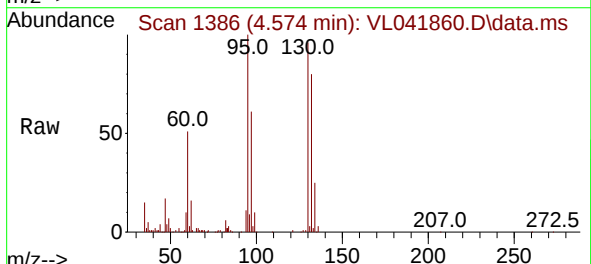
Instrument :
MSVOA_L
ClientSampleId :

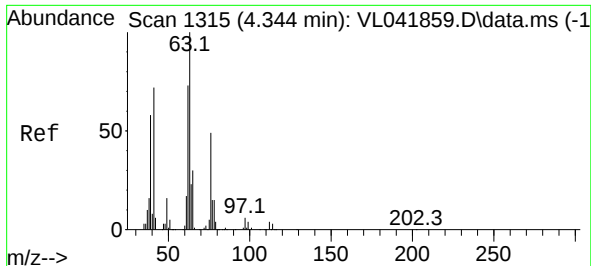
Tgt Ion: 62 Resp: 54776
Ion Ratio Lower Upper
62 100
98 7.8 5.6 8.4



#38
Trichloroethene
Concen: 2.559 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:130 Resp: 41427
Ion Ratio Lower Upper
130 100
95 103.4 88.5 132.7
132 83.9 78.2 117.2
97 63.2 54.2 81.2





#39

1,2-Dichloropropane

Concen: 1.293 ppbv

RT: 4.341 min Scan# 1403

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

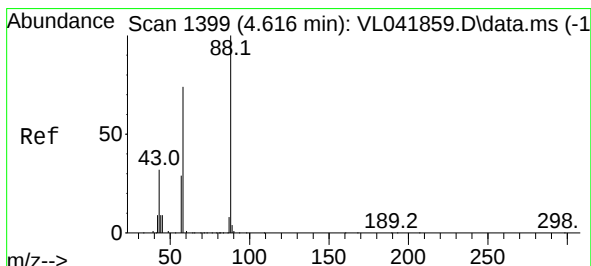
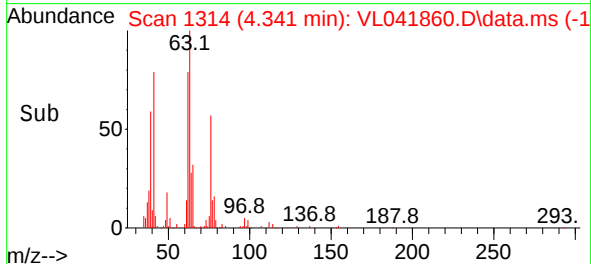
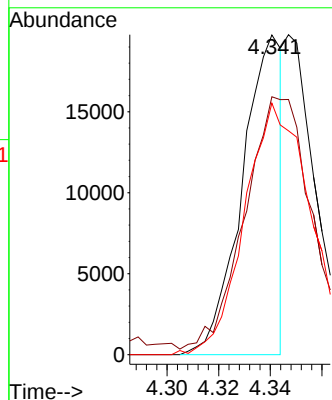
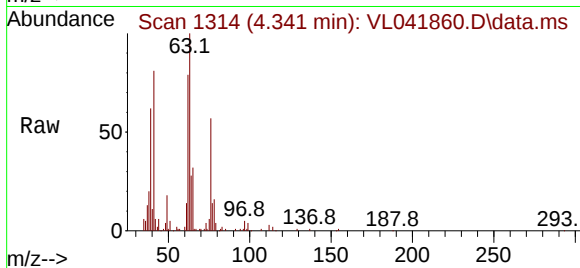
Tgt Ion: 63 Resp: 21050

Ion Ratio Lower Upper

63 100

41 79.0 58.0 87.0

62 77.4 58.6 87.8



#40

1,4-Dioxane

Concen: 2.994 ppbv

RT: 4.629 min Scan# 1403

Delta R.T. 0.013 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion: 88 Resp: 18864

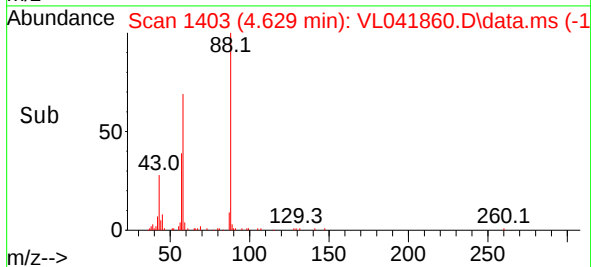
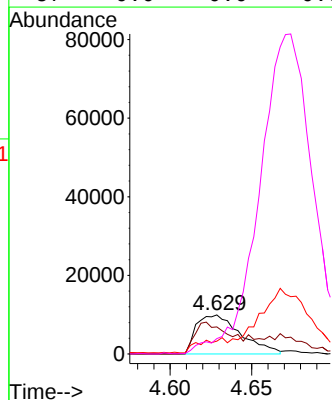
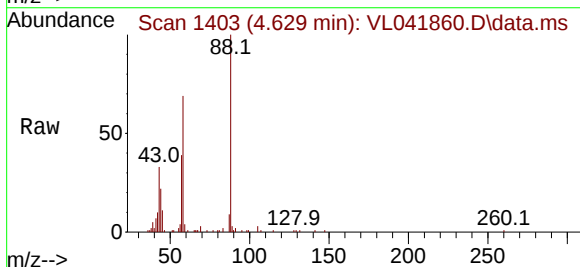
Ion Ratio Lower Upper

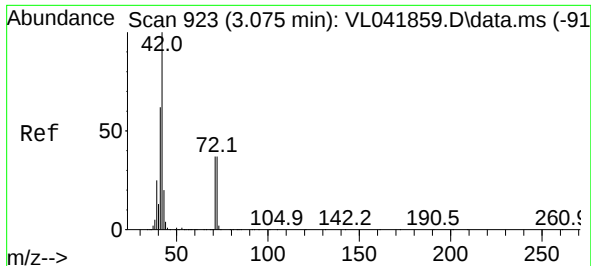
88 100

58 88.3 52.2 78.4#

43 0.0 0.0 0.0

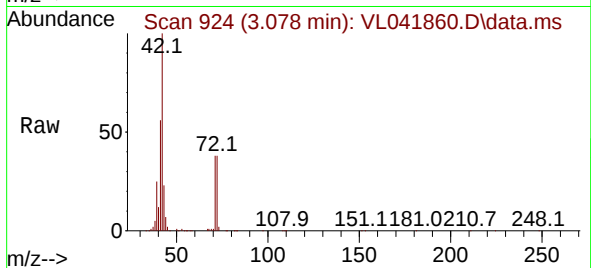
57 0.0 0.0 0.0



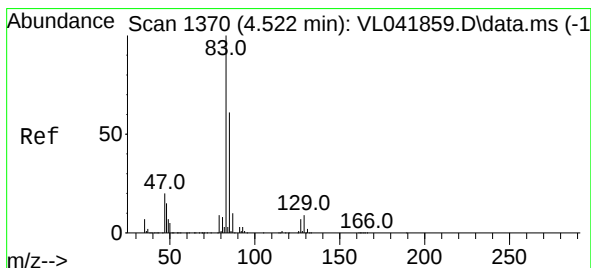
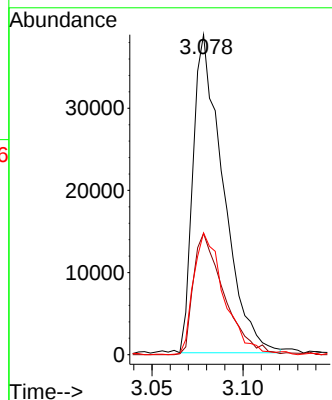
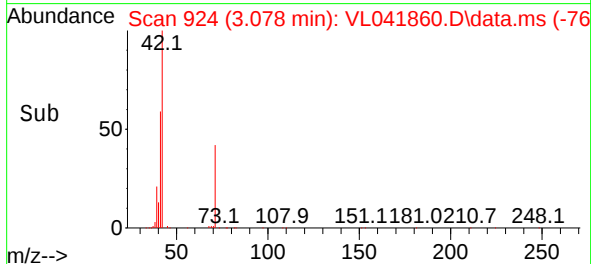


#41
Tetrahydrofuran
Concen: 2.726 ppbv
RT: 3.078 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

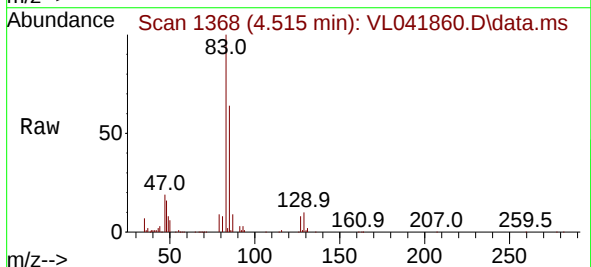
Instrument :
MSVOA_L
ClientSampleId :



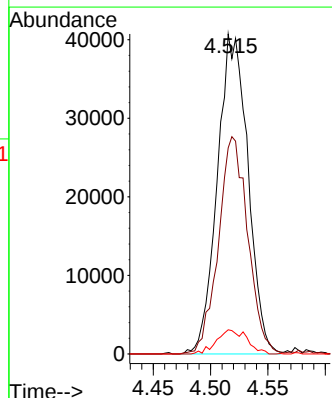
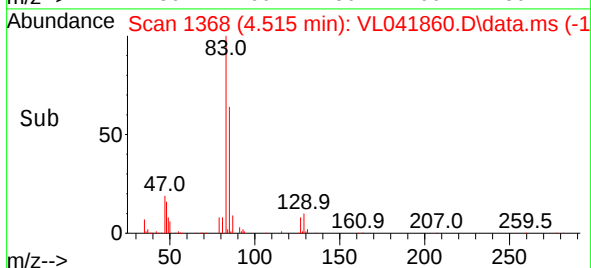
Tgt Ion: 42 Resp: 44570
Ion Ratio Lower Upper
42 100
72 39.5 30.8 46.2
71 39.7 30.1 45.1

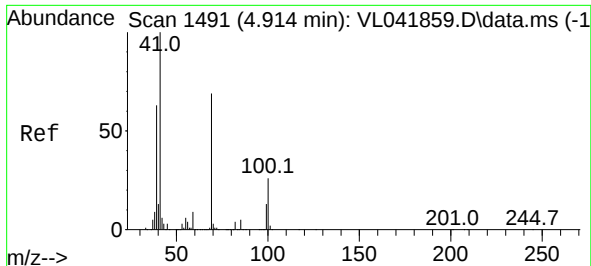


#42
Bromodichloromethane
Concen: 2.324 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. -0.007 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



Tgt Ion: 83 Resp: 75424
Ion Ratio Lower Upper
83 100
85 64.4 48.9 73.3
127 7.5 5.4 8.2





#43

Methyl Methacrylate

Concen: 1.481 ppbv

RT: 4.910 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

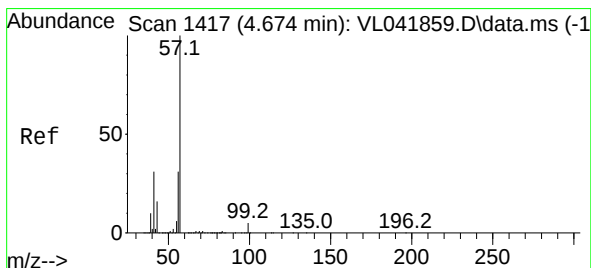
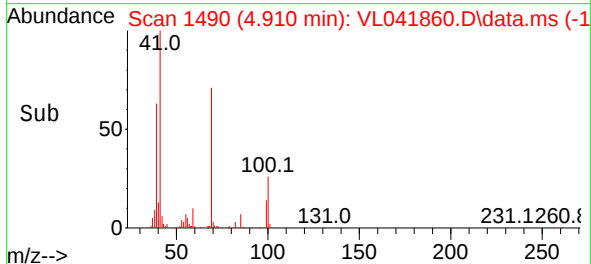
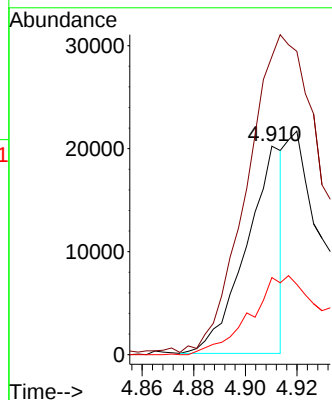
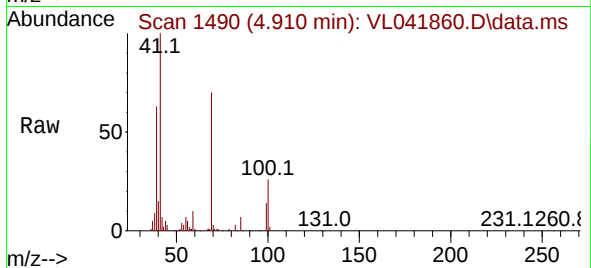
Tgt Ion: 69 Resp: 19569

Ion Ratio Lower Upper

69 100

41 324.0 116.2 174.4#

100 77.2 29.8 44.8#



#44

2,2,4-Trimethylpentane

Concen: 2.597 ppbv

RT: 4.674 min Scan# 1417

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

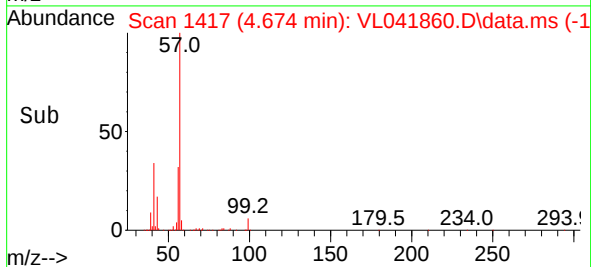
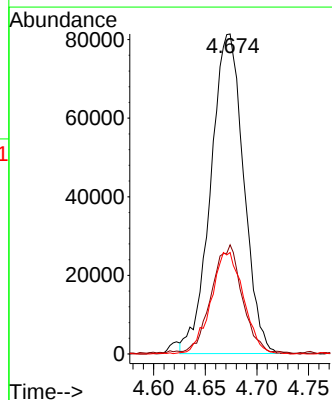
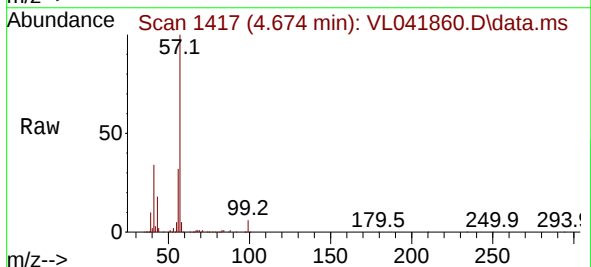
Tgt Ion: 57 Resp: 180117

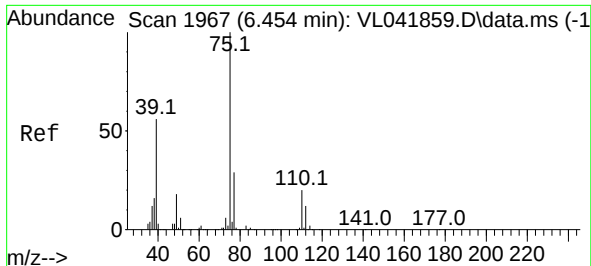
Ion Ratio Lower Upper

57 100

41 31.8 25.5 38.3

56 31.6 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 3.361 ppbv

RT: 6.454 min Scan# 1967

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

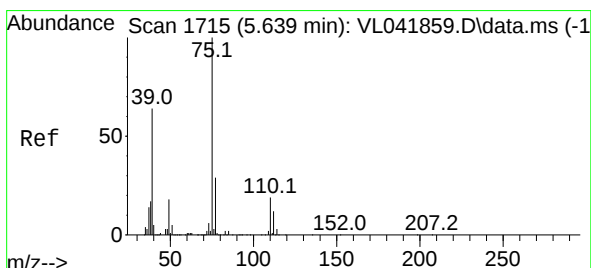
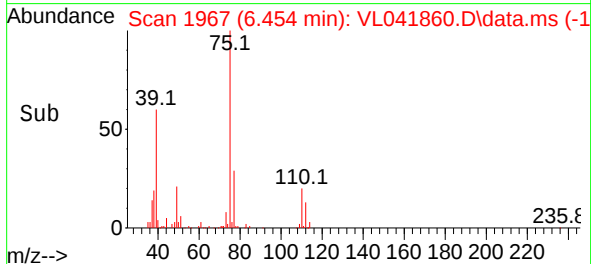
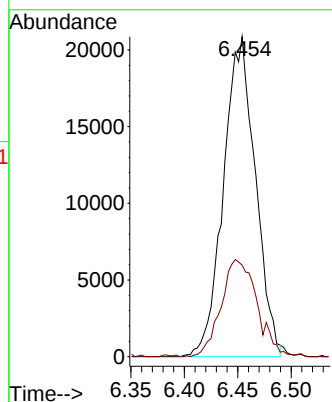
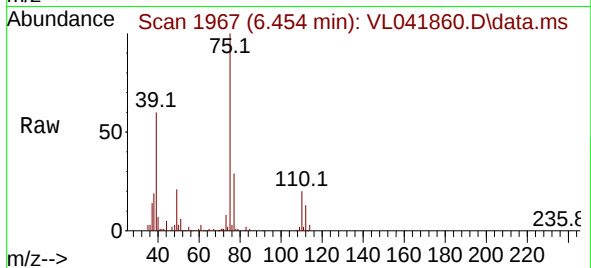
ClientSampleId :

Tgt Ion: 75 Resp: 43372

Ion Ratio Lower Upper

75 100

77 28.6 23.4 35.2



#46

cis-1,3-Dichloropropene

Concen: 3.240 ppbv

RT: 5.635 min Scan# 1714

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

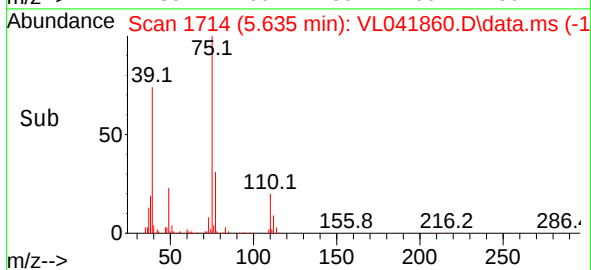
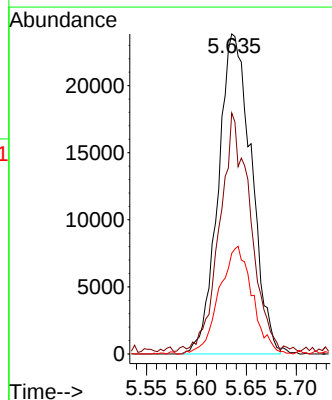
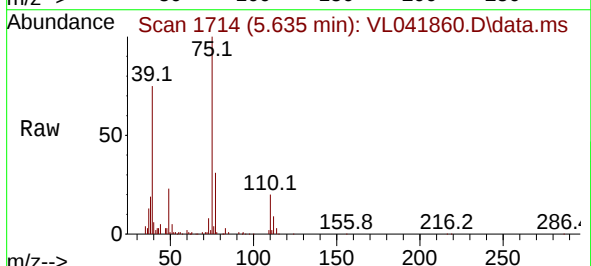
Tgt Ion: 75 Resp: 55051

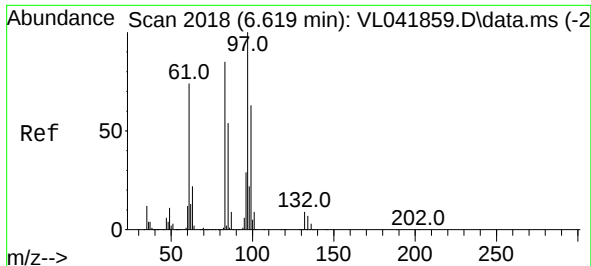
Ion Ratio Lower Upper

75 100

39 74.3 51.4 77.2

77 31.5 23.0 34.4





#47

1,1,2-Trichloroethane

Concen: 1.234 ppbv

RT: 6.616 min Scan# 2018

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 21227

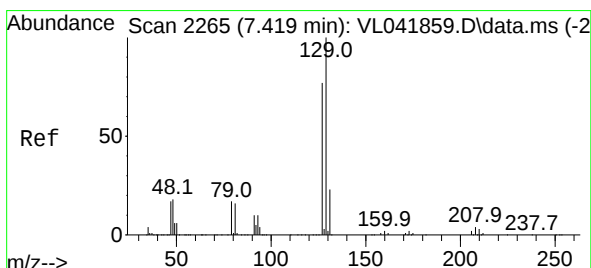
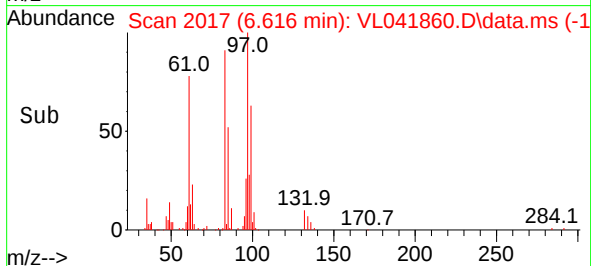
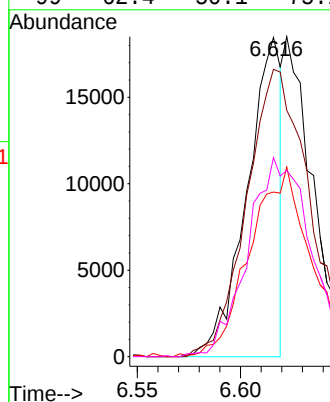
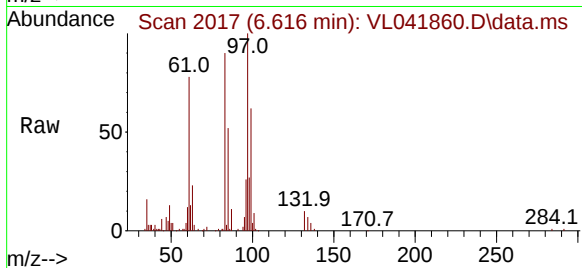
Ion Ratio Lower Upper

97 100

83 90.0 68.1 102.1

85 50.7 43.4 65.2

99 62.4 50.1 75.1



#48

Dibromochloromethane

Concen: 2.797 ppbv

RT: 7.419 min Scan# 2265

Delta R.T. -0.000 min

Lab File: VL041860.D

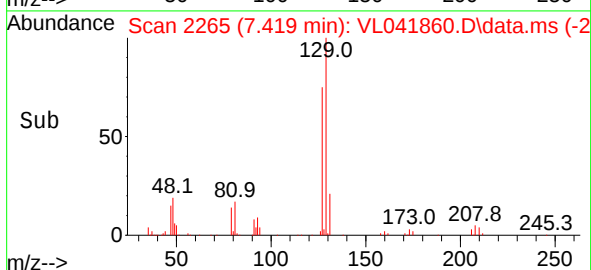
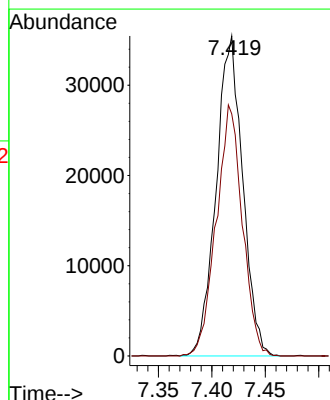
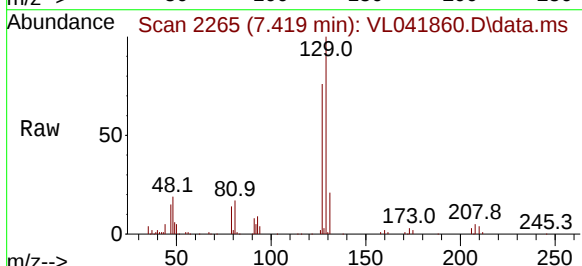
Acq: 09 Jan 2025 11:52

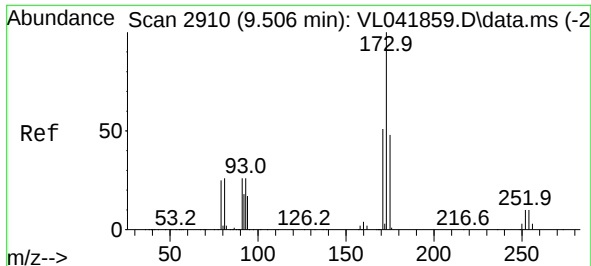
Tgt Ion:129 Resp: 61313

Ion Ratio Lower Upper

129 100

127 77.1 39.4 118.1

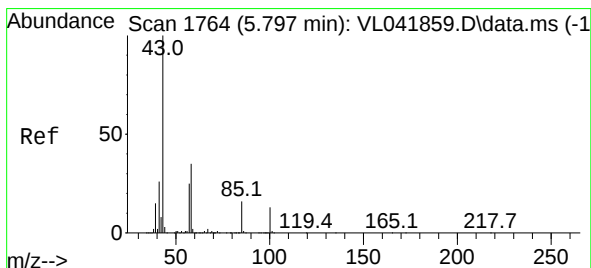
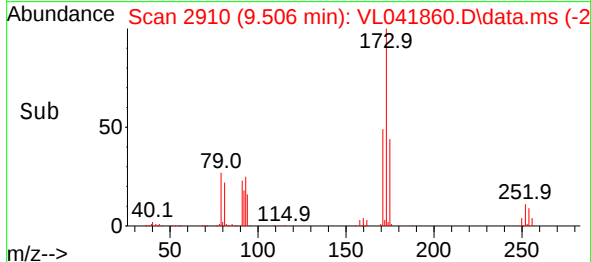
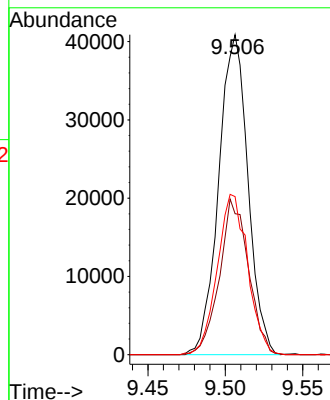
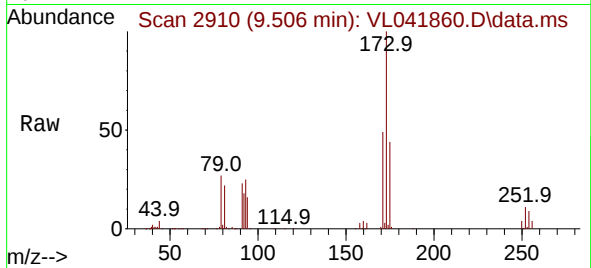




#49
Bromoform
Concen: 3.059 ppbv
RT: 9.506 min Scan# 2910
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

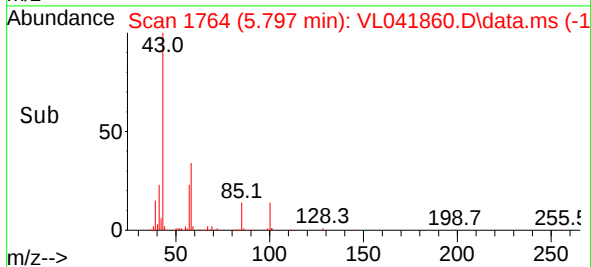
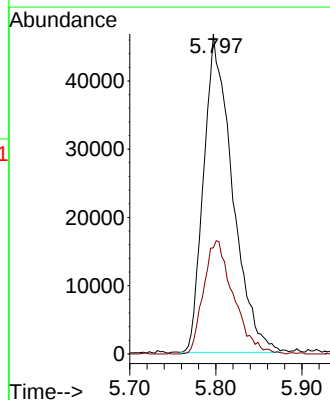
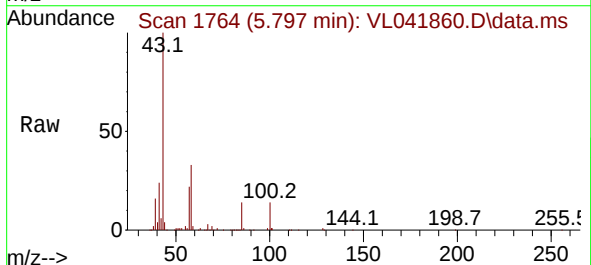
Instrument :
MSVOA_L
ClientSampleId :

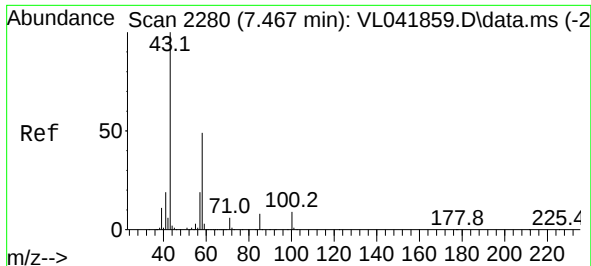
Tgt Ion:173 Resp: 53734
Ion Ratio Lower Upper
173 100
175 48.1 38.2 57.2
171 52.0 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 2.696 ppbv
RT: 5.797 min Scan# 1764
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 43 Resp: 108191
Ion Ratio Lower Upper
43 100
58 37.2 29.4 44.2

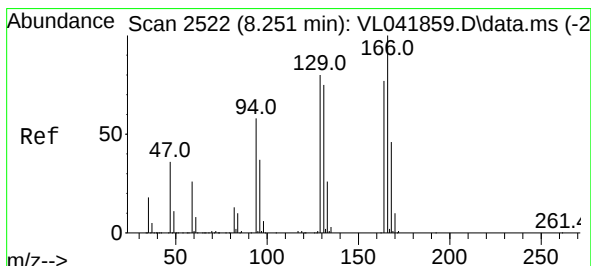
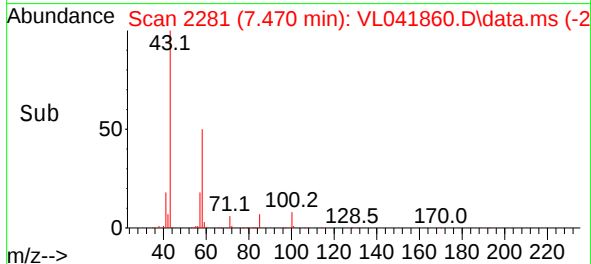
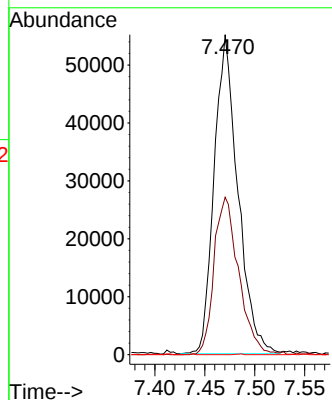
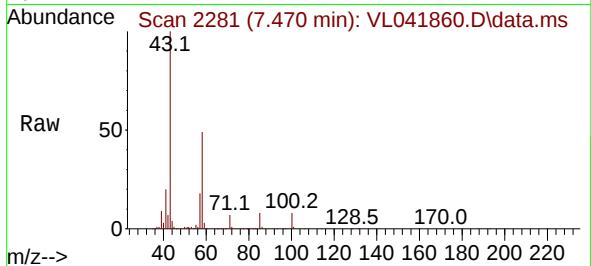




#51
2-Hexanone
Concen: 2.991 ppbv
RT: 7.470 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

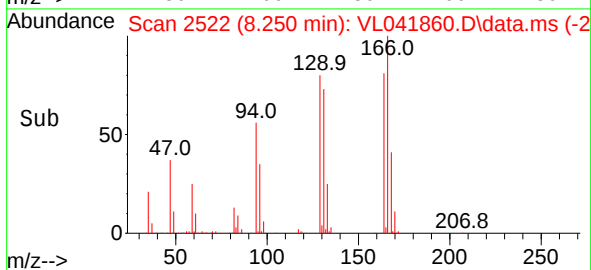
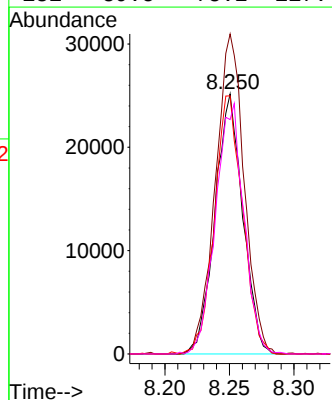
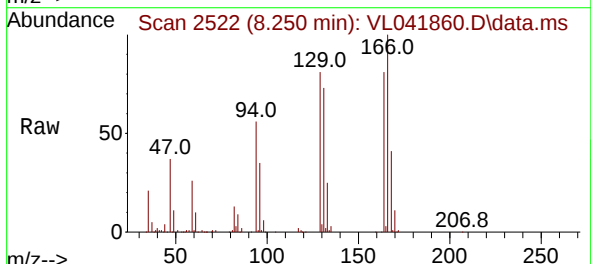
Instrument :
MSVOA_L
ClientSampleId :

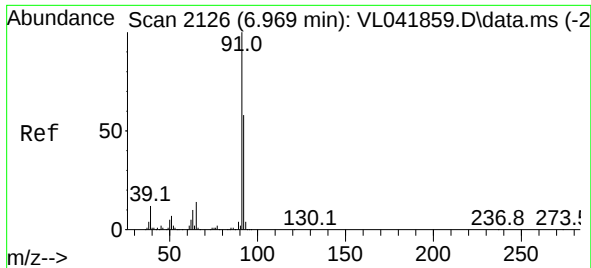
Tgt Ion: 43 Resp: 90844
Ion Ratio Lower Upper
43 100
58 51.4 40.0 60.0
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 3.021 ppbv
RT: 8.250 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 164 Resp: 37701
Ion Ratio Lower Upper
164 100
166 123.0 103.6 155.4
129 99.2 82.6 123.8
131 89.5 78.2 117.4

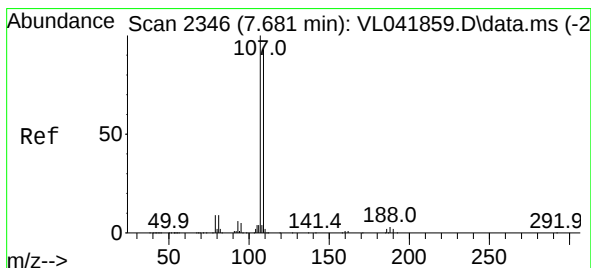
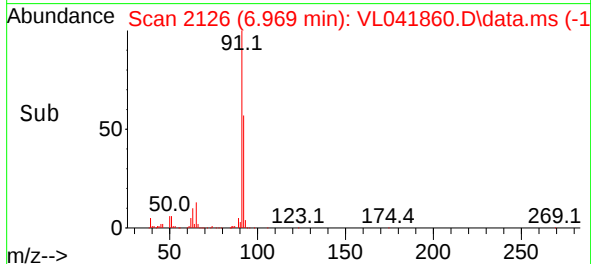
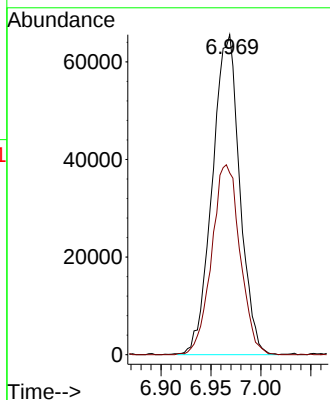
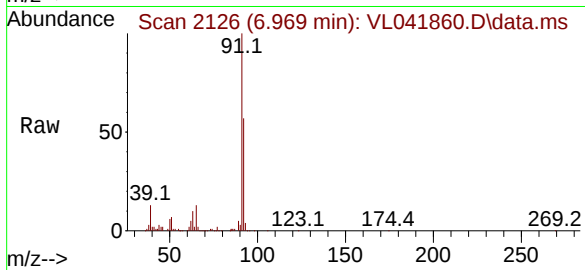




#53
Toluene
Concen: 3.345 ppbv
RT: 6.969 min Scan# 2126
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

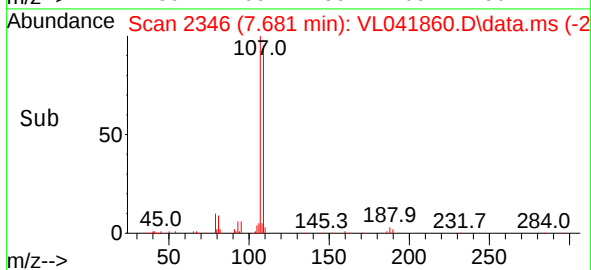
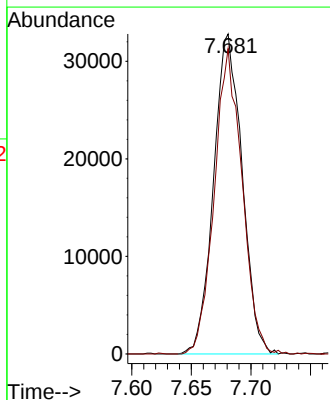
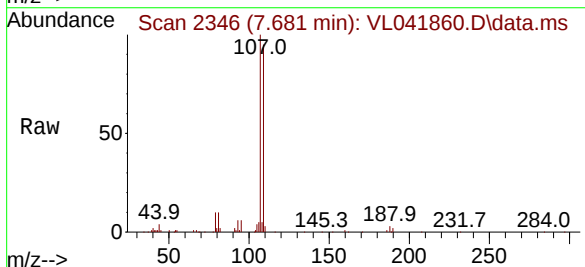
Instrument :
MSVOA_L
ClientSampleId :

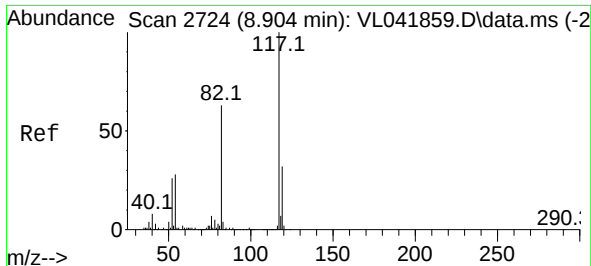
Tgt Ion: 91 Resp: 125295
Ion Ratio Lower Upper
91 100
92 61.4 47.2 70.8



#54
1,2-Dibromoethane
Concen: 2.587 ppbv
RT: 7.681 min Scan# 2346
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 107 Resp: 54562
Ion Ratio Lower Upper
107 100
109 95.4 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

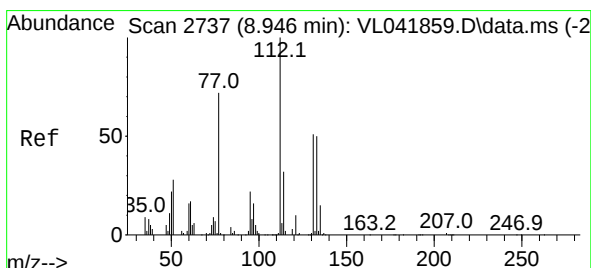
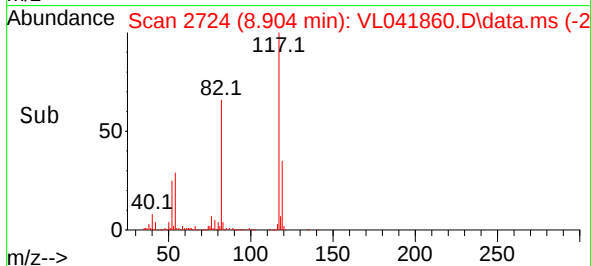
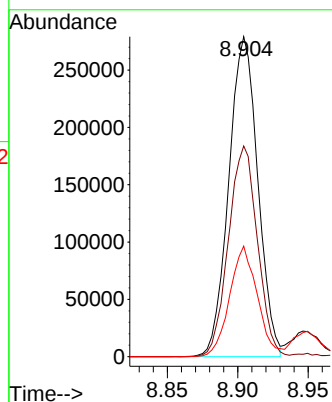
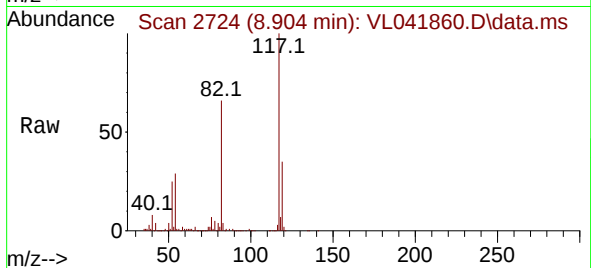
Tgt Ion:117 Resp: 401428

Ion Ratio Lower Upper

117 100

82 66.5 54.5 81.7

119 32.9 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 2.240 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

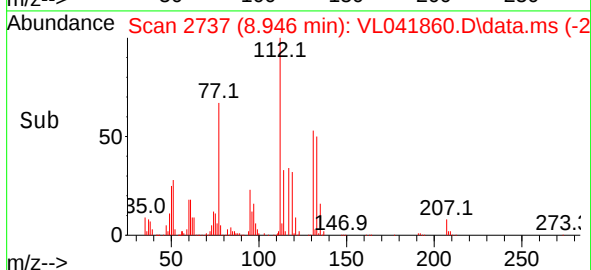
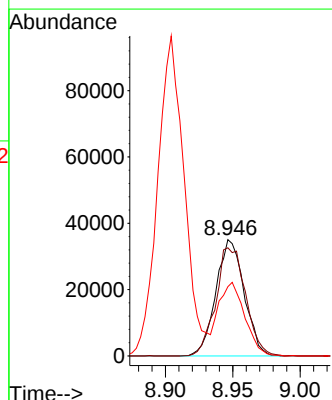
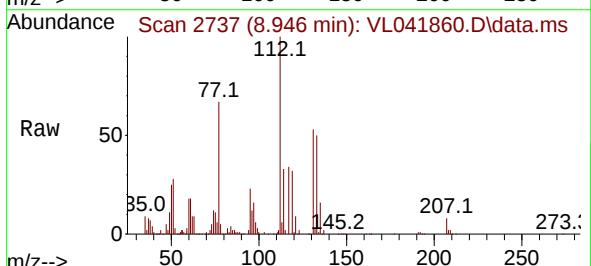
Tgt Ion:131 Resp: 51252

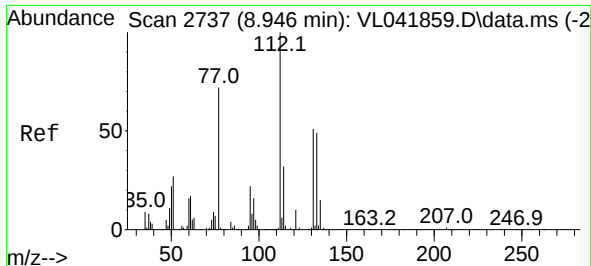
Ion Ratio Lower Upper

131 100

133 98.3 77.4 116.2

119 58.6 49.4 74.0





#57

Chlorobenzene

Concen: 2.242 ppbv

RT: 8.946 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041860.D

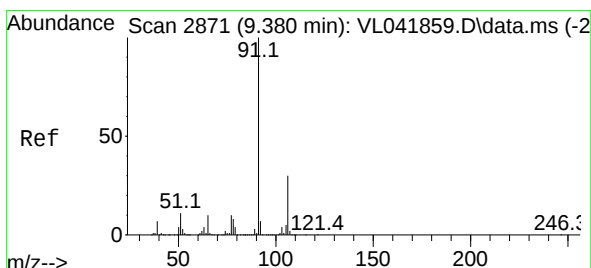
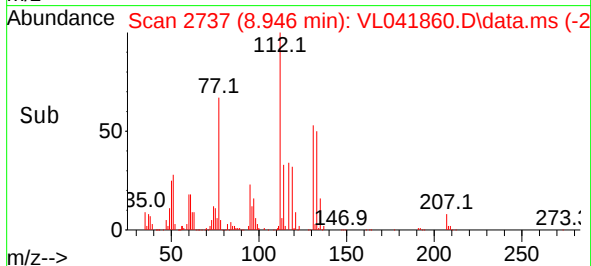
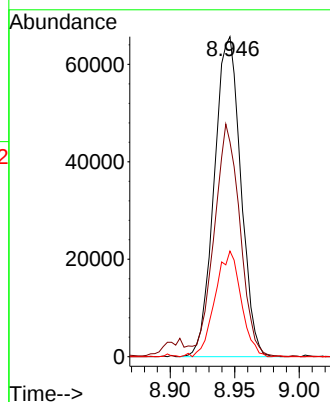
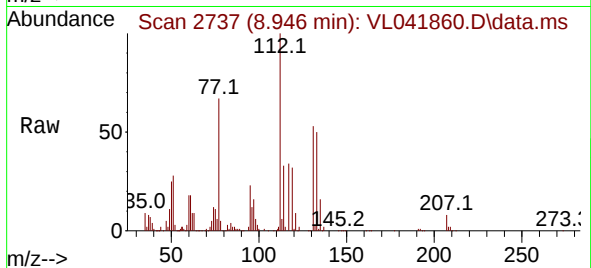
Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:112	Resp:	94006
Ion Ratio	Lower	Upper
112	100	
77	67.0	58.3 87.5
114	33.0	28.9 35.3



#58

Ethyl Benzene

Concen: 3.250 ppbv

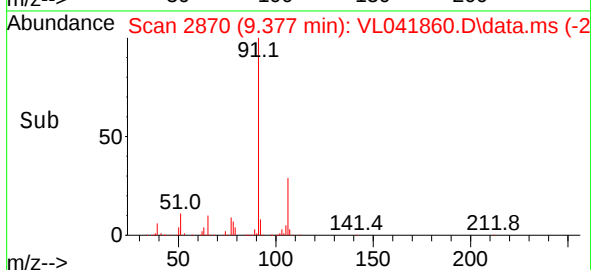
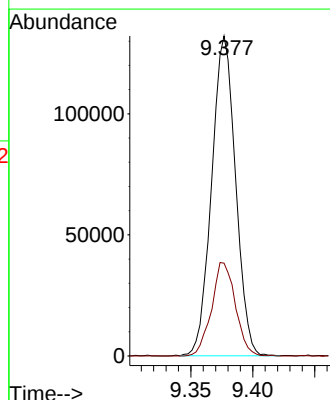
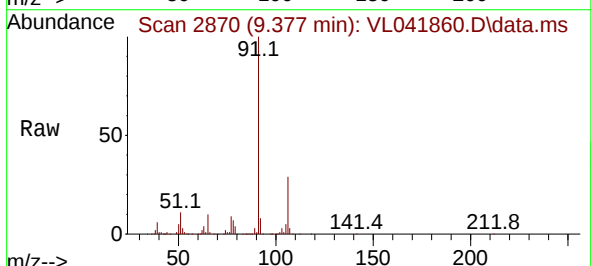
RT: 9.377 min Scan# 2870

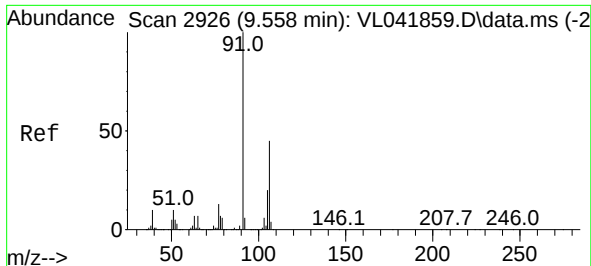
Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion: 91	Resp:	177814
Ion Ratio	Lower	Upper
91	100	
106	29.0	24.2 36.2





#59

m/p-Xylene

Concen: 3.262 ppbv

RT: 9.552 min Scan# 2926

Delta R.T. -0.007 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

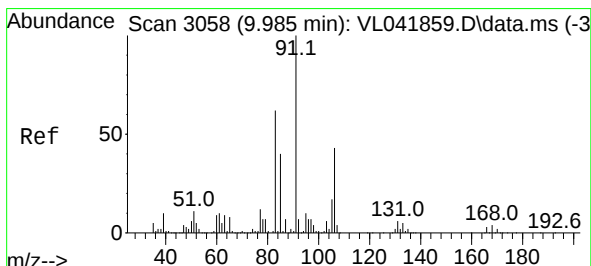
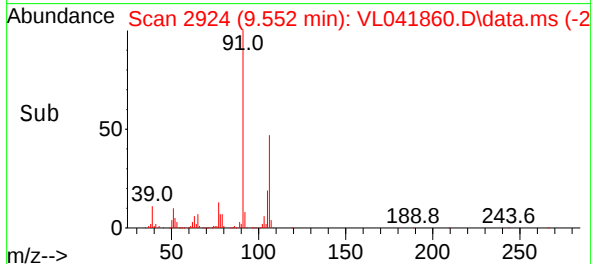
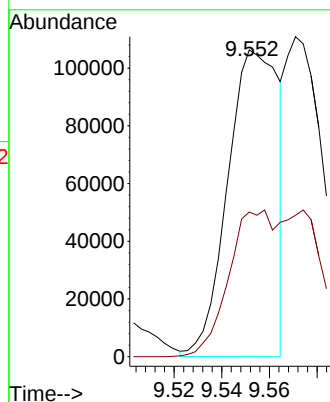
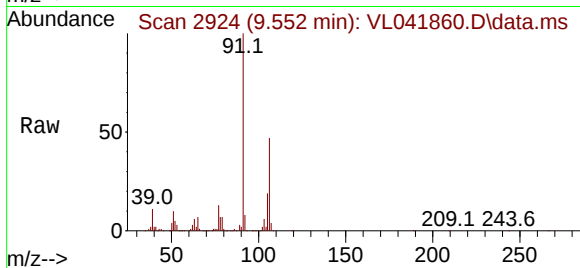
ClientSampleId :

Tgt Ion: 91 Resp: 157253

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 2.953 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. -0.000 min

Lab File: VL041860.D

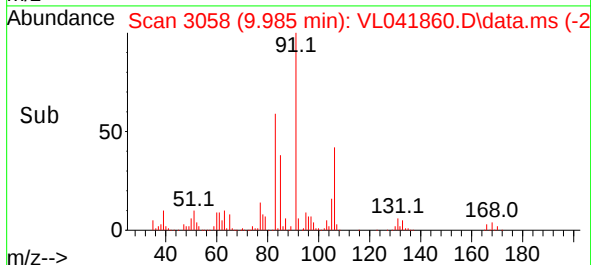
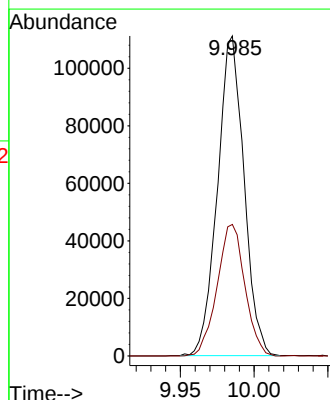
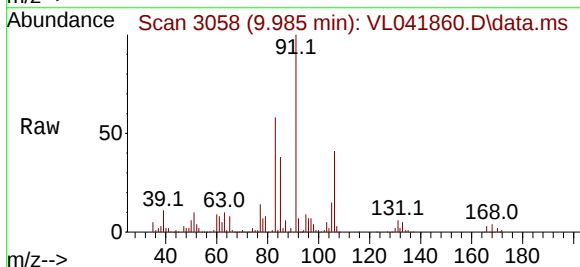
Acq: 09 Jan 2025 11:52

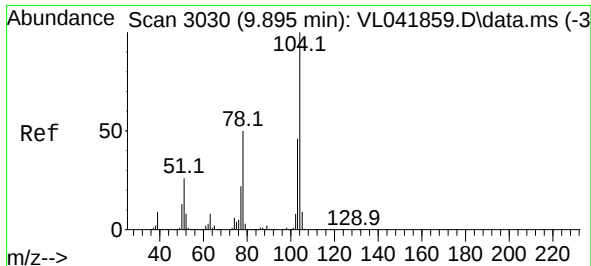
Tgt Ion: 91 Resp: 138722

Ion Ratio Lower Upper

91 100

106 43.1 21.4 64.3





#61

Styrene

Concen: 3.779 ppbv

RT: 9.891 min Scan# 3030

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

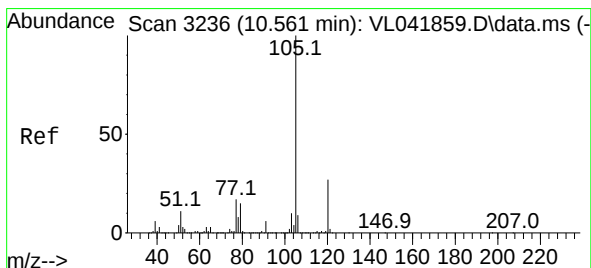
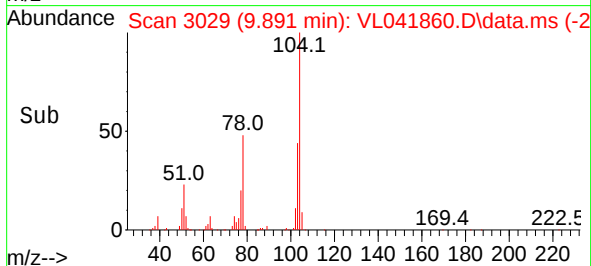
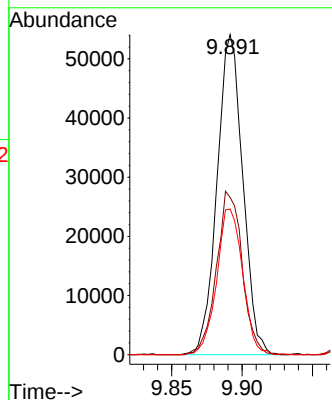
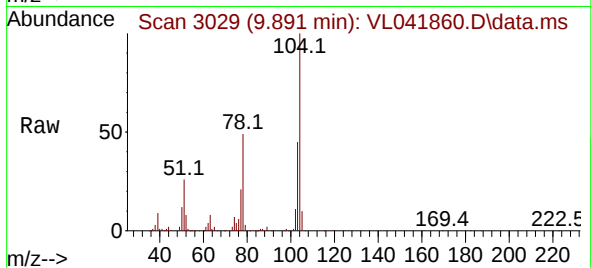
Tgt Ion:104 Resp: 68864

Ion Ratio Lower Upper

104 100

78 50.9 40.7 61.1

103 46.0 37.0 55.6



#62

Isopropylbenzene

Concen: 2.882 ppbv

RT: 10.558 min Scan# 3235

Delta R.T. -0.003 min

Lab File: VL041860.D

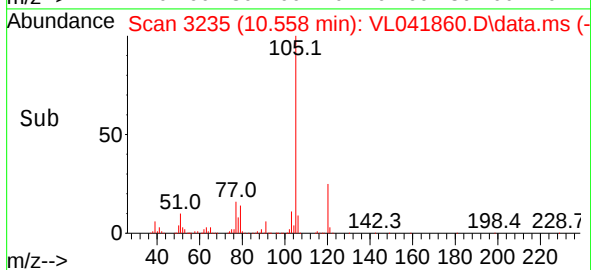
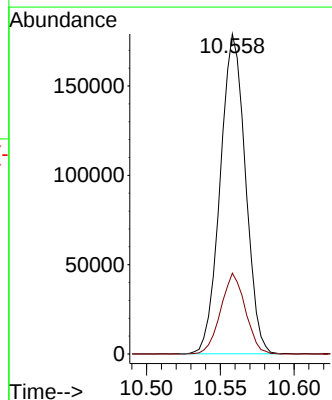
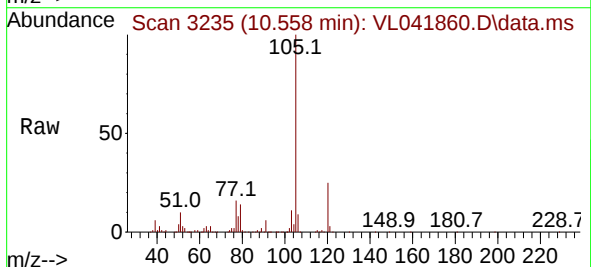
Acq: 09 Jan 2025 11:52

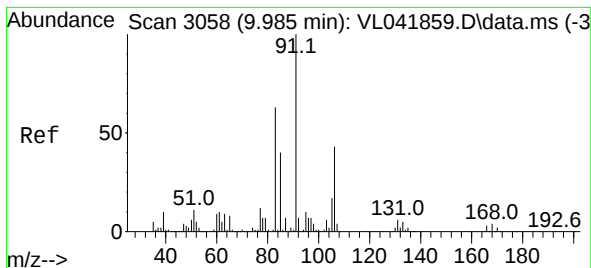
Tgt Ion:105 Resp: 212705

Ion Ratio Lower Upper

105 100

120 24.7 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 2.012 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

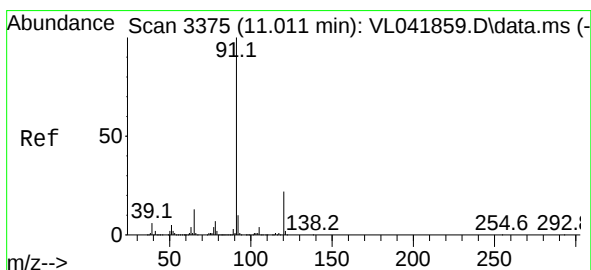
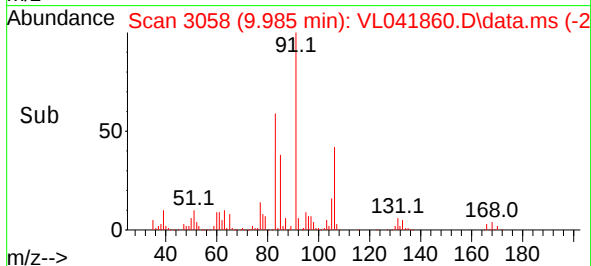
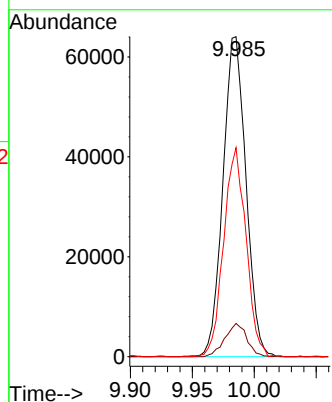
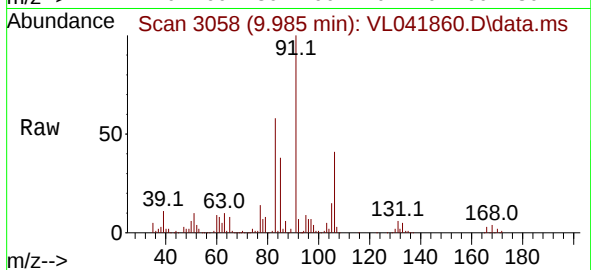
Tgt Ion: 83 Resp: 82870

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.3

85 63.5 32.1 96.3



#64

n-propylbenzene

Concen: 2.899 ppbv

RT: 11.008 min Scan# 3374

Delta R.T. -0.003 min

Lab File: VL041860.D

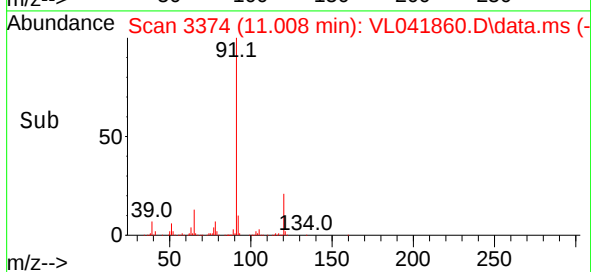
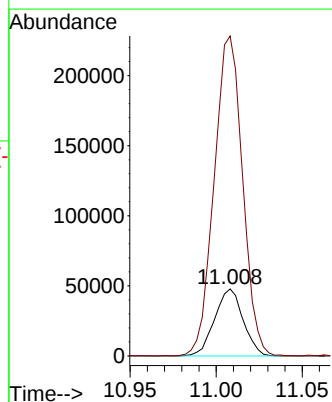
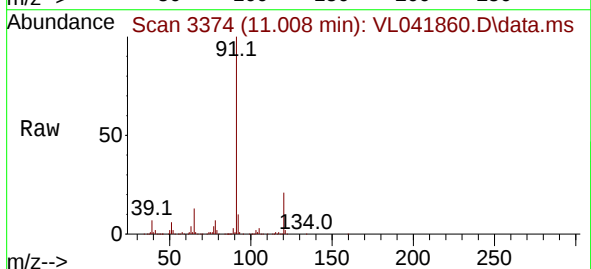
Acq: 09 Jan 2025 11:52

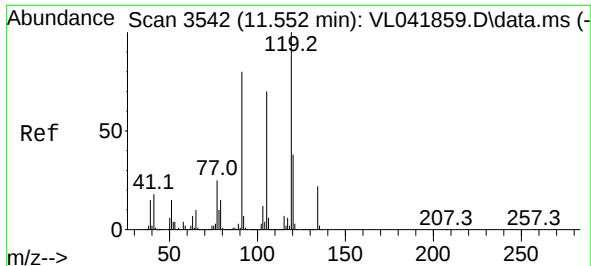
Tgt Ion:120 Resp: 54888

Ion Ratio Lower Upper

120 100

91 478.5 376.9 565.3





#65

tert-Butylbenzene

Concen: 2.957 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

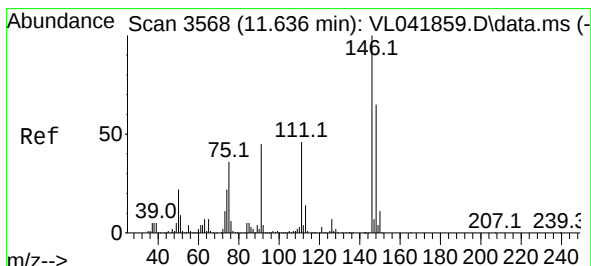
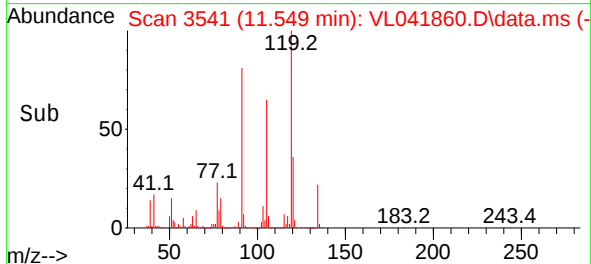
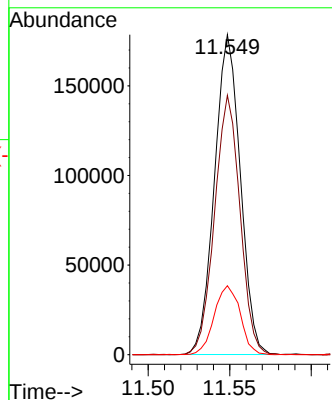
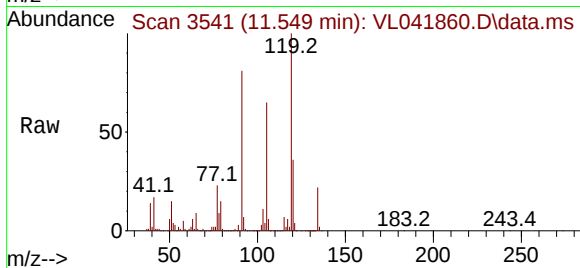
Tgt Ion:119 Resp: 196649

Ion Ratio Lower Upper

119 100

91 79.8 64.6 97.0

134 21.7 16.9 25.3



#66

Benzyl Chloride

Concen: 3.644 ppbv

RT: 11.636 min Scan# 3568

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

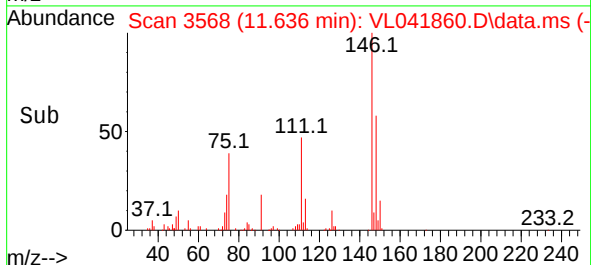
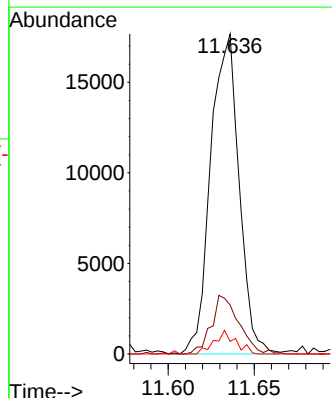
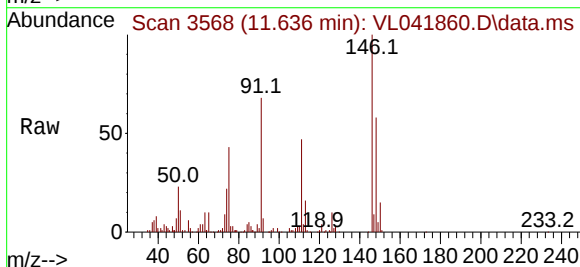
Tgt Ion: 91 Resp: 20300

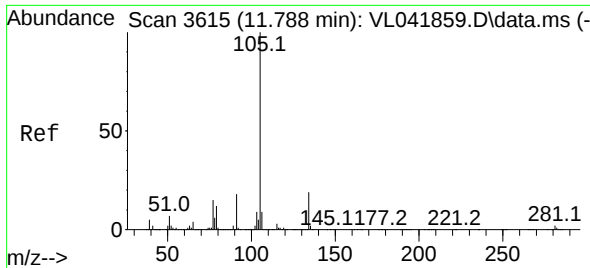
Ion Ratio Lower Upper

91 100

126 17.8 13.9 20.9

128 5.6 4.8 7.2





#67

sec-Butylbenzene

Concen: 2.787 ppbv

RT: 11.785 min Scan# 3614

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

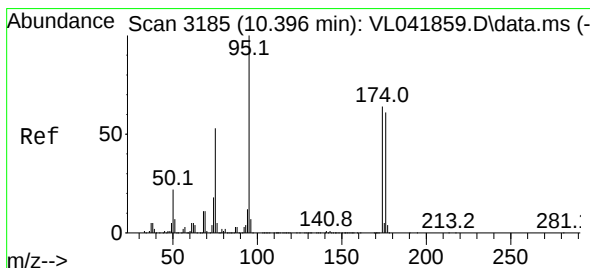
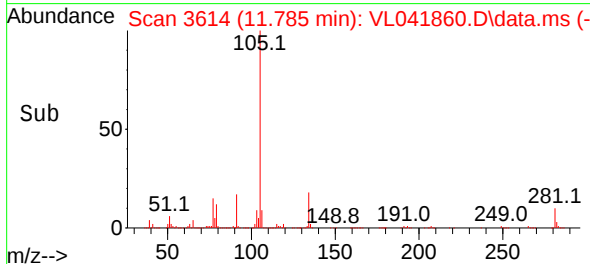
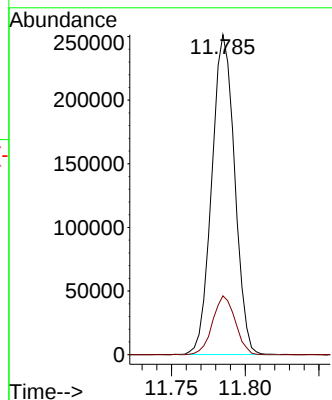
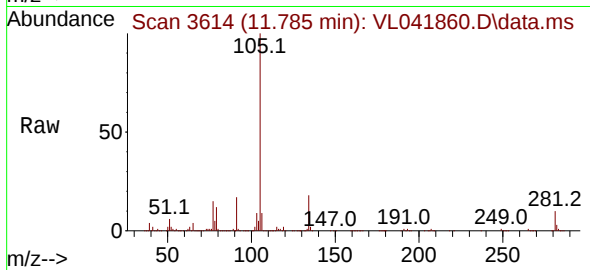
ClientSampleId :

Tgt Ion:105 Resp: 270495

Ion Ratio Lower Upper

105 100

134 18.3 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 9.445 ppbv

RT: 10.396 min Scan# 3185

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

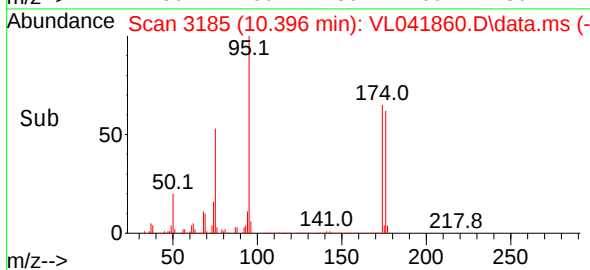
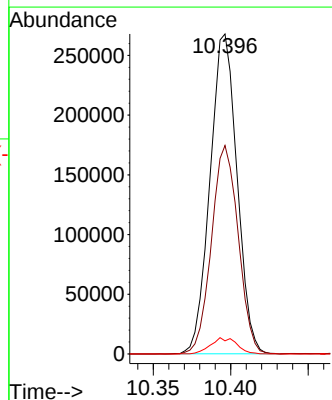
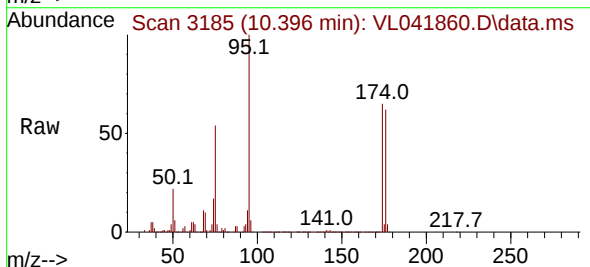
Tgt Ion: 95 Resp: 324737

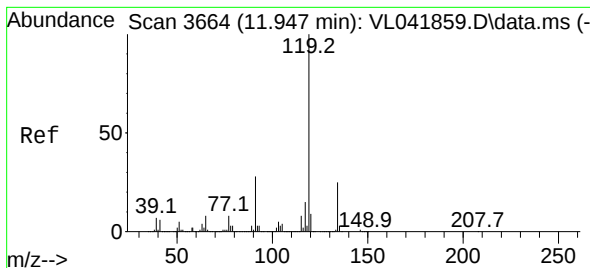
Ion Ratio Lower Upper

95 100

174 64.6 51.1 76.7

175 5.0 3.8 5.8





#69

p-Isopropyltoluene

Concen: 3.015 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

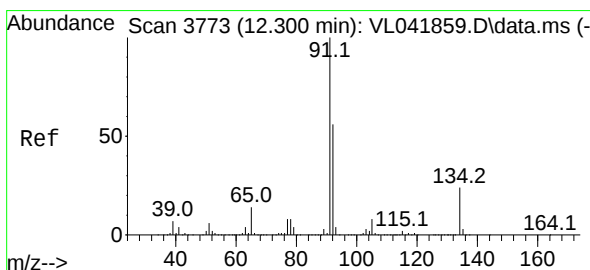
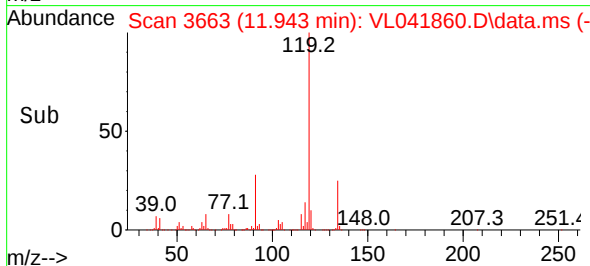
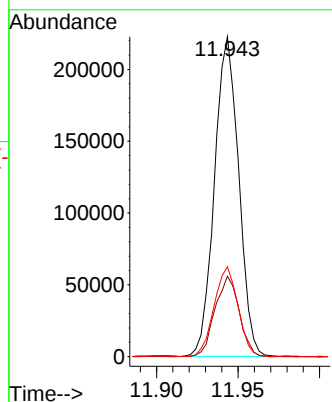
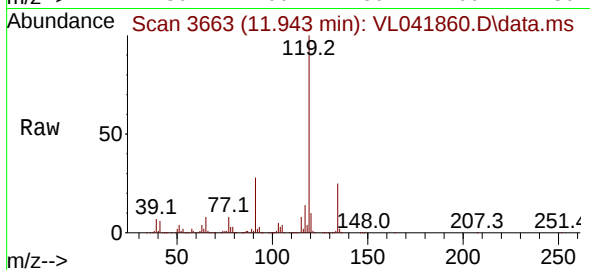
Tgt Ion:119 Resp: 229731

Ion Ratio Lower Upper

119 100

134 25.2 20.3 30.5

91 28.2 22.6 34.0



#70

n-Butylbenzene

Concen: 3.011 ppbv

RT: 12.299 min Scan# 3773

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

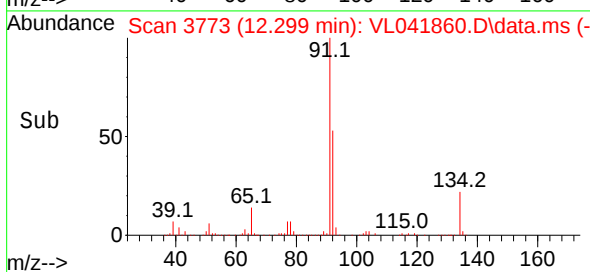
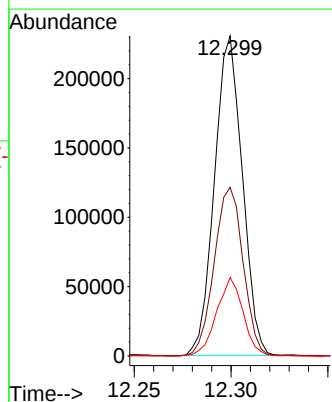
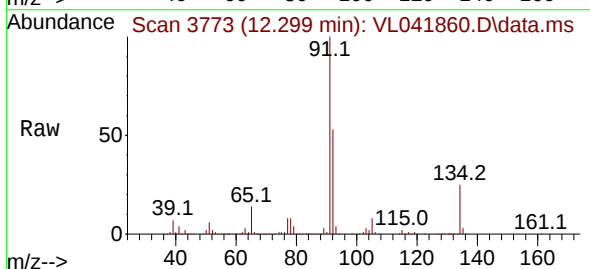
Tgt Ion: 91 Resp: 230497

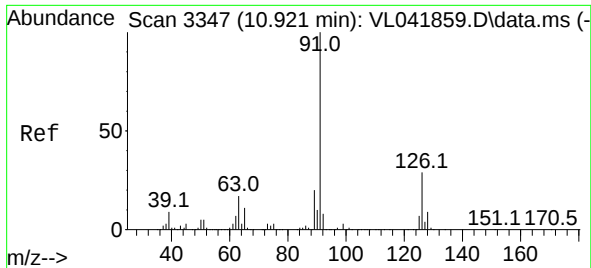
Ion Ratio Lower Upper

91 100

92 54.9 43.8 65.8

134 23.5 19.3 28.9

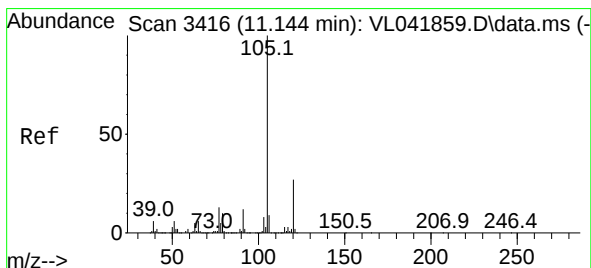
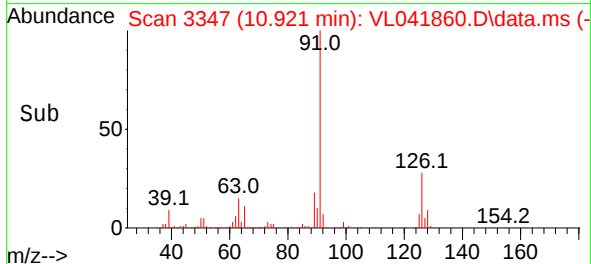
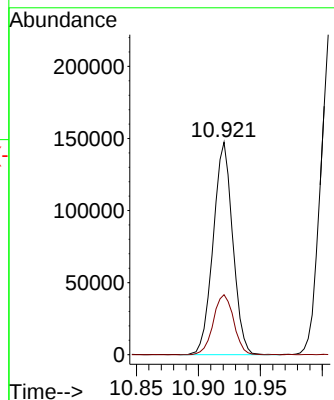
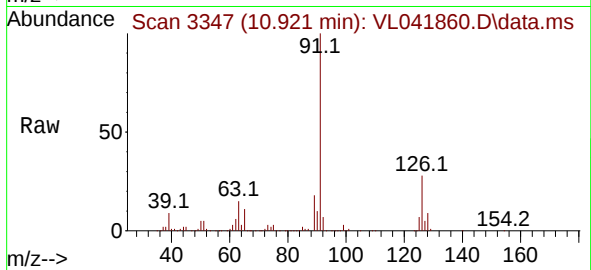




#71
2-Chlorotoluene
Concen: 3.021 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

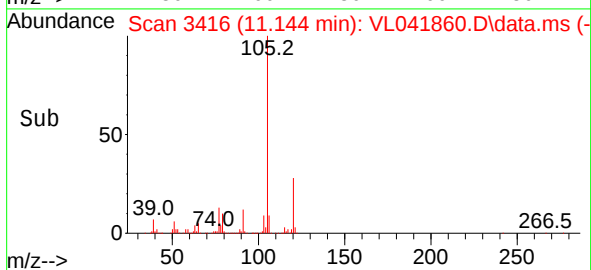
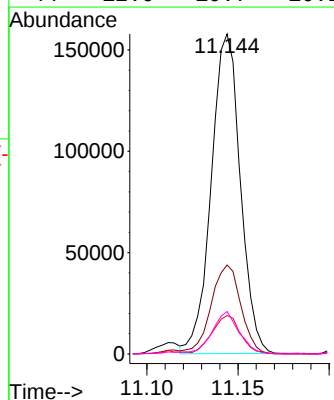
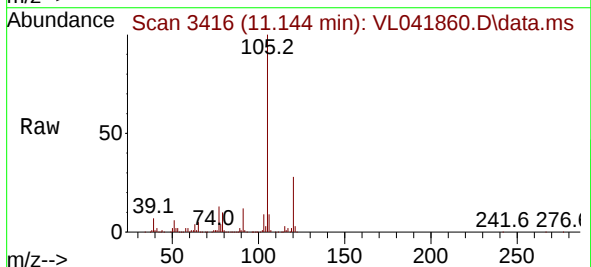
Instrument :
MSVOA_L
ClientSampleId :

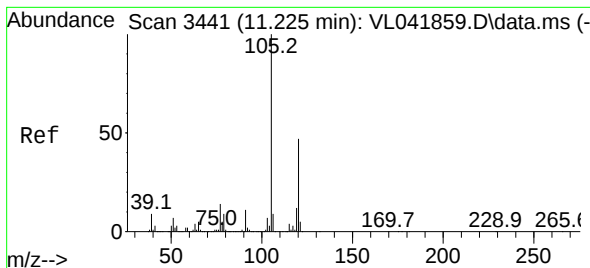
Tgt Ion: 91 Resp: 161864
Ion Ratio Lower Upper
91 100
126 29.4 11.6 46.6



#72
4-Ethyltoluene
Concen: 3.083 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:105 Resp: 175142
Ion Ratio Lower Upper
105 100
120 29.3 23.5 35.3
91 12.4 9.8 14.8
77 12.9 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 2.953 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

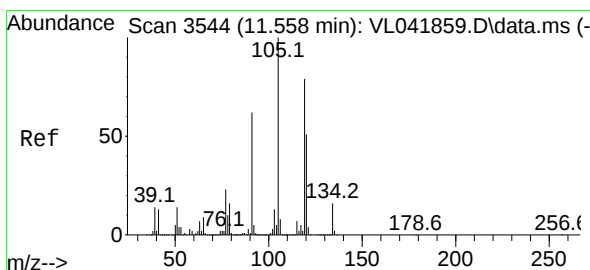
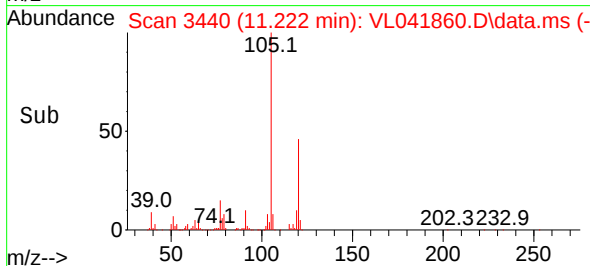
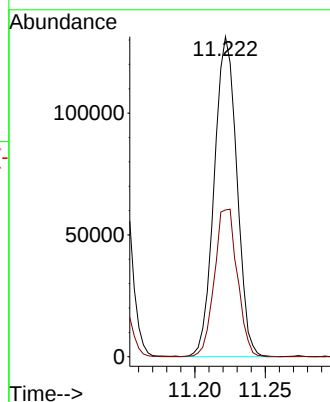
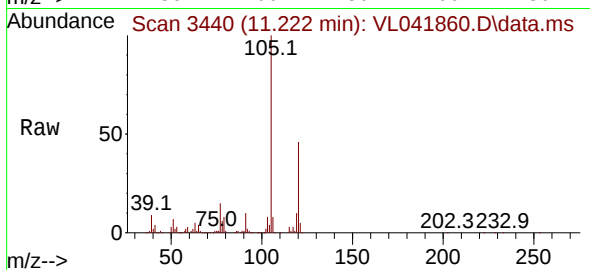
ClientSampleId :

Tgt Ion:105 Resp: 146927

Ion Ratio Lower Upper

105 100

120 45.9 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 2.845 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion:105 Resp: 163980

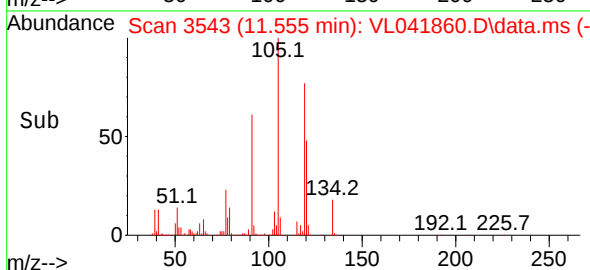
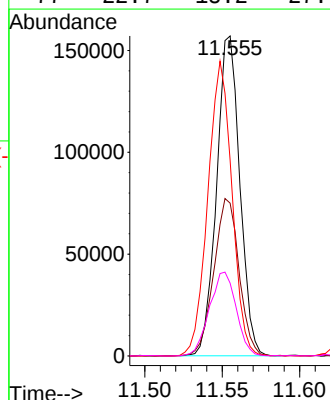
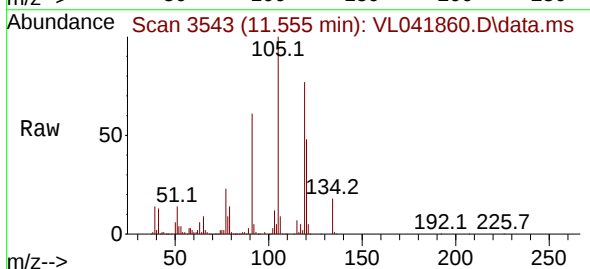
Ion Ratio Lower Upper

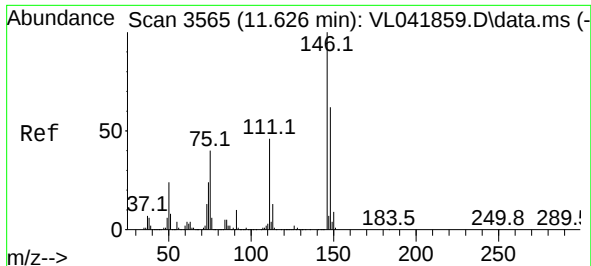
105 100

120 47.6 41.1 61.7

91 61.0 50.0 75.0

77 22.7 18.2 27.4

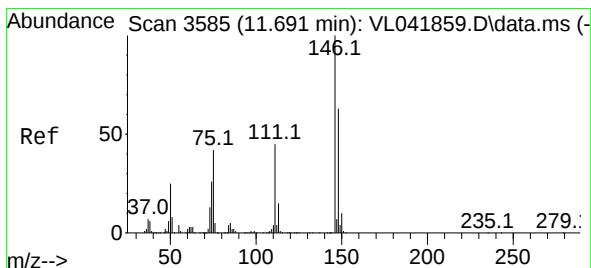
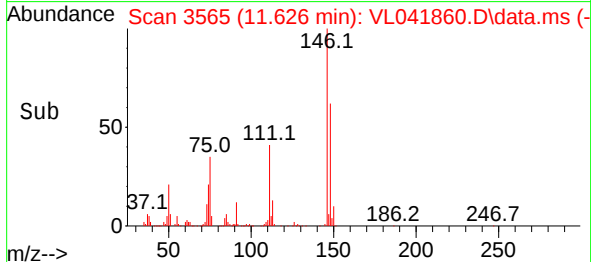
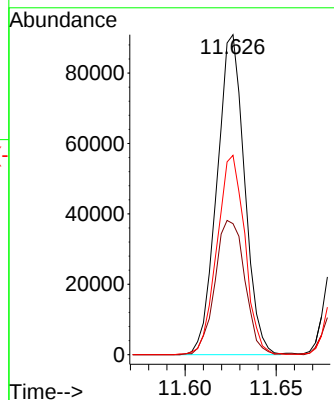
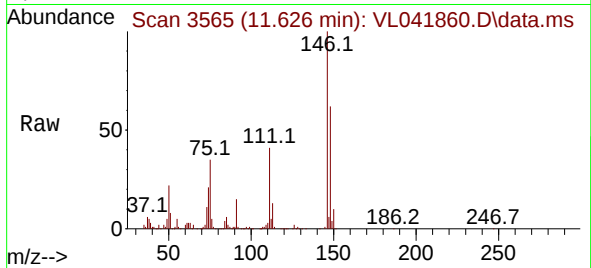




#75
1,3-Dichlorobenzene
Concen: 2.480 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

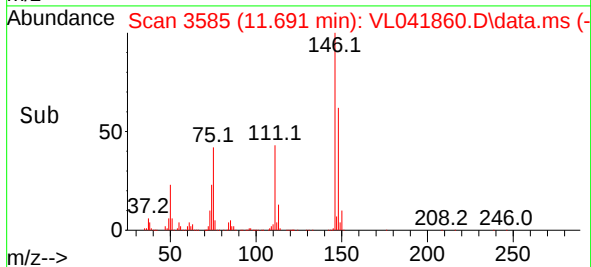
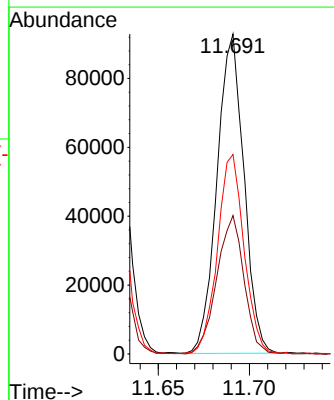
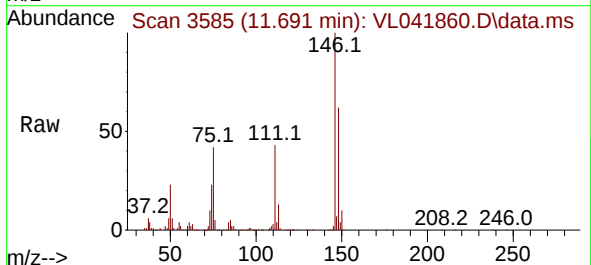
Instrument :
MSVOA_1
ClientSampleId :

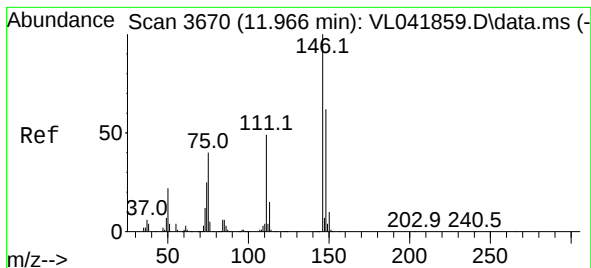
Tgt Ion:146 Resp: 95654
Ion Ratio Lower Upper
146 100
111 45.4 23.2 69.5
148 63.0 31.6 94.7



#76
1,4-Dichlorobenzene
Concen: 2.564 ppbv
RT: 11.691 min Scan# 3585
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:146 Resp: 95164
Ion Ratio Lower Upper
146 100
111 43.9 22.1 66.1
148 62.3 31.2 93.6





#77

1,2-Dichlorobenzene

Concen: 2.240 ppbv

RT: 11.966 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

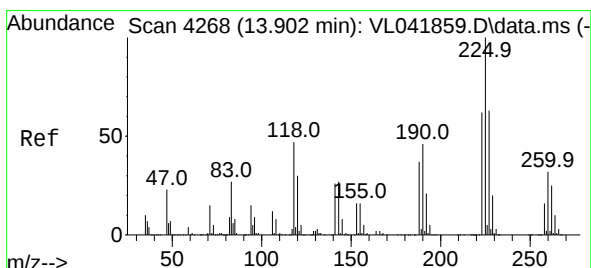
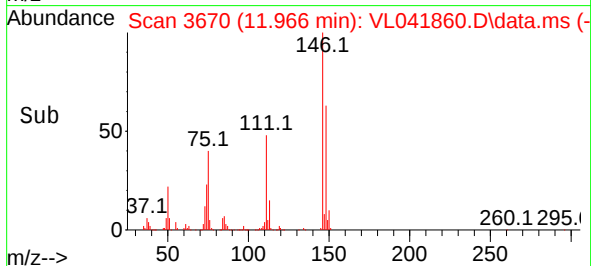
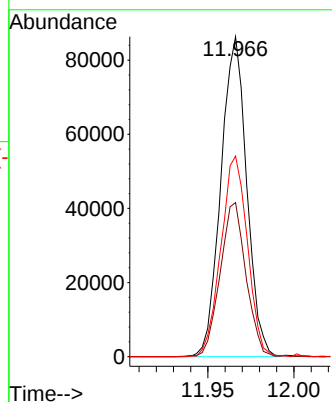
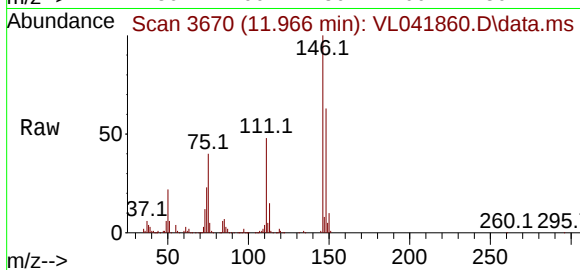
Tgt Ion:146 Resp: 90047

Ion Ratio Lower Upper

146 100

111 48.3 24.1 72.3

148 64.7 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 2.839 ppbv

RT: 13.898 min Scan# 4267

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

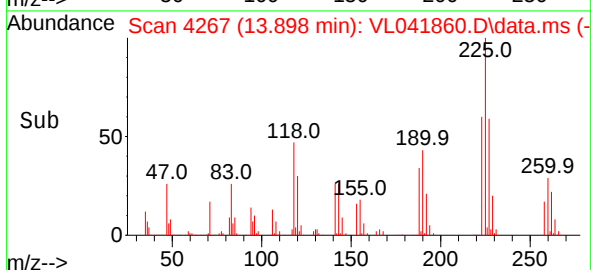
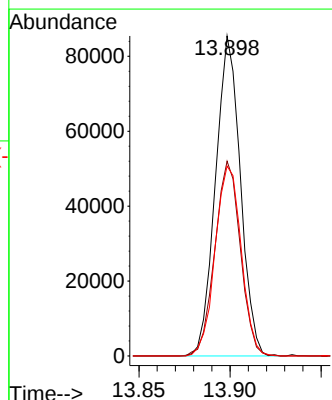
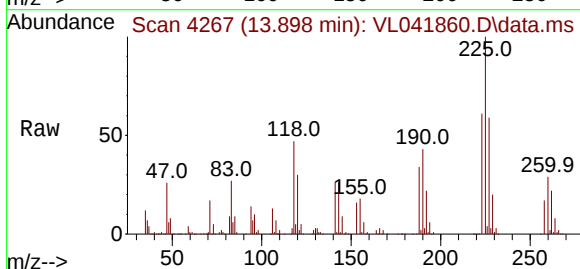
Tgt Ion:225 Resp: 81017

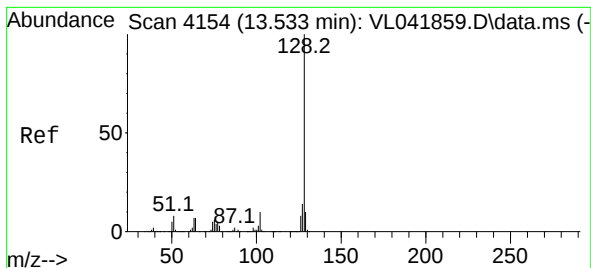
Ion Ratio Lower Upper

225 100

223 62.4 50.6 75.8

227 62.2 50.9 76.3





#79

Naphthalene

Concen: 4.280 ppbv

RT: 13.529 min Scan# 4153

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

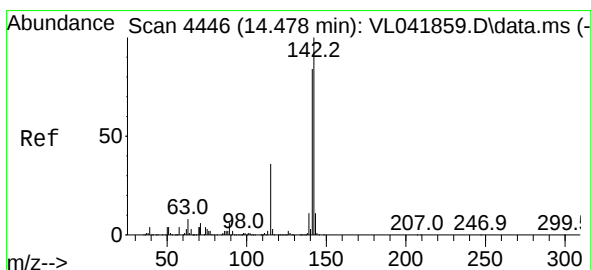
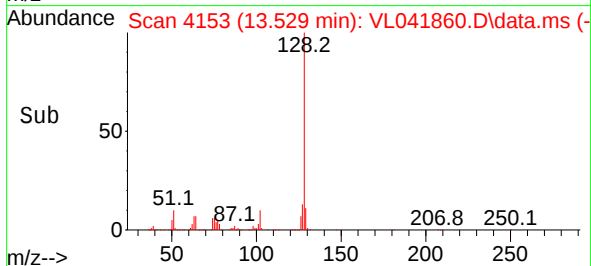
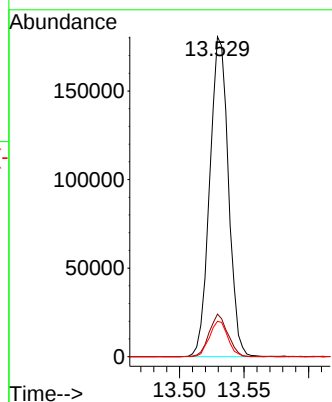
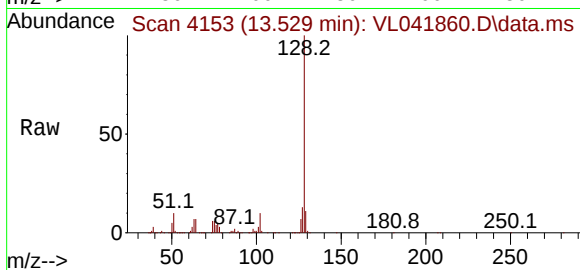
Tgt Ion:128 Resp: 181703

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 11.0 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 6.823 ppbv

RT: 14.474 min Scan# 4445

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

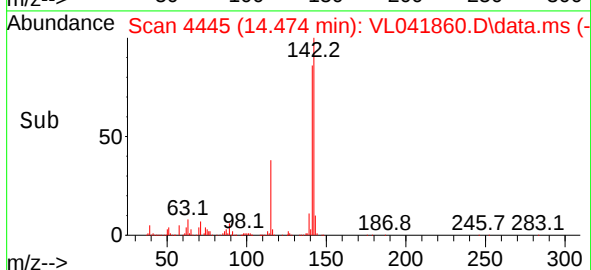
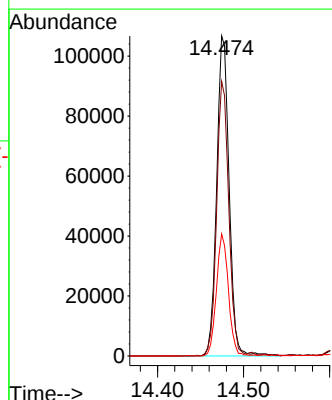
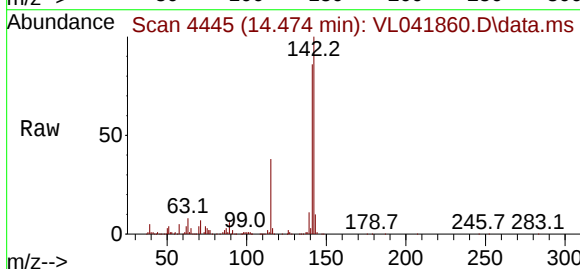
Tgt Ion:142 Resp: 107211

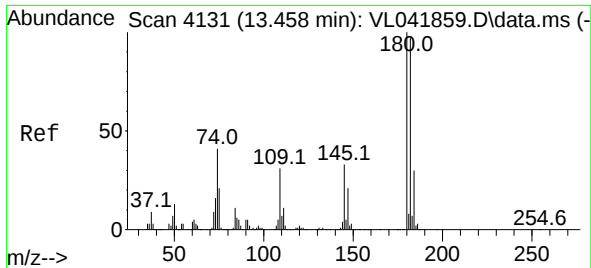
Ion Ratio Lower Upper

142 100

141 85.1 68.2 102.4

115 37.3 29.4 44.2





#81

1,2,4-Trichlorobenzene

Concen: 3.689 ppbv

RT: 13.458 min Scan# 41

Delta R.T. -0.000 min

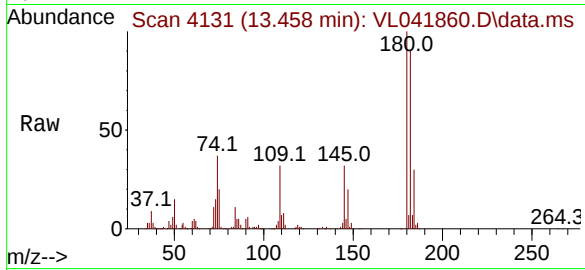
Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 86805

Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.8

184 30.5 24.1 36.1

