

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041859.D
 Acq On : 09 Jan 2025 11:19
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 10 00:13:36 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	150033	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.985	114	442867	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	410499	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	328846	9.353	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	226313	9.193	ppbv	100
3) Chlorodifluoromethane	1.483	51	247353	10.516	ppbv	99
4) Chloromethane	1.541	50	85664	8.462	ppbv	100
5) Vinyl Chloride	1.586	62	86352	8.457	ppbv	100
6) Bromomethane	1.677	94	39829	9.107	ppbv	100
7) Chloroethane	1.713	64	34351	8.740	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	195898	9.224	ppbv	100
9) Propene	1.489	41	112124	13.692	ppbv	100
10) Heptane	5.014	43	303272	14.992	ppbv	100
11) Trichlorofluoromethane	1.887	101	222752	8.899	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.153	101	181116	9.715	ppbv	100
13) Ethanol	1.729	45	4464	4.150	ppbv	87
14) Bromoethene	1.790	108	65566	10.743	ppbv	100
15) Acetone	1.845	43	183039	6.626	ppbv	99
16) 1,3-Butadiene	1.615	39	86059	7.945	ppbv	98
17) tert-Butyl alcohol	2.052	59	256303	10.708	ppbv	100
18) 1,1-Dichloroethene	2.046	96	81423	10.432	ppbv	100
19) Isopropyl Alcohol	1.897	45	110578	8.528	ppbv	99
20) Methylene Chloride	2.072	84	71501	9.055	ppbv	100
21) Allyl Chloride	2.107	41	141576	9.950	ppbv	99
22) trans-1,2-Dichloroethene	2.353	96	92062	10.553	ppbv	100
23) Vinyl Acetate	2.480	43	121914	14.191	ppbv	100
24) 1,1-Dichloroethane	2.425	63	177291	9.286	ppbv	100
25) Ethyl Acetate	2.855	43	589565	12.728	ppbv	100
26) Hexane	2.845	57	236237	14.695	ppbv	100
27) Carbon Disulfide	2.162	76	226986	14.877	ppbv	98
28) Methyl tert-Butyl Ether	2.457	73	170565	14.077	ppbv	100
29) Chloroform	2.868	83	328206	10.989	ppbv	100
30) Cyclohexane	3.884	84	204595	16.783	ppbv	99
31) cis-1,2-Dichloroethene	2.739	61	230732	13.944	ppbv	100
32) 1,1,1-Trichloroethane	3.392	97	328356	12.132	ppbv	100
34) 2-Butanone	2.573	43	333402	9.557	ppbv	100
35) Carbon Tetrachloride	3.787	117	324320	9.690	ppbv	100
36) Benzene	3.680	78	486852	11.507	ppbv	100
37) 1,2-Dichloroethane	3.240	62	249944	8.987	ppbv	100
38) Trichloroethene	4.577	130	188346	11.576	ppbv	100
39) 1,2-Dichloropropane	4.344	63	171561	10.483	ppbv	100
40) 1,4-Dioxane	4.616	88	83645	13.205	ppbv #	100
41) Tetrahydrofuran	3.075	42	201204	12.243	ppbv	100
42) Bromodichloromethane	4.522	83	355888	10.910	ppbv	100
43) Methyl Methacrylate	4.914	69	199710	15.032	ppbv	100
44) 2,2,4-Trimethylpentane	4.674	57	809851	11.618	ppbv	100
45) t-1,3-Dichloropropene	6.454	75	212343	16.371	ppbv	100

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

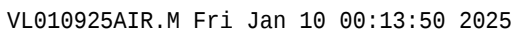
Instrument :
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 ClientSampleId :

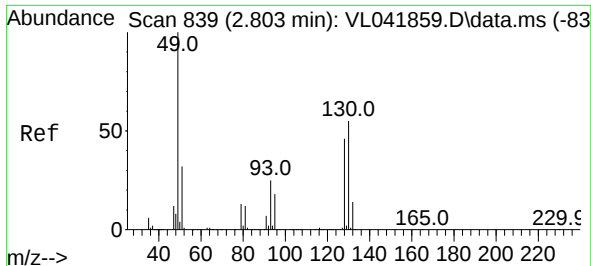
Quant Time: Jan 10 00:13:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.639	75	269395	15.773	ppbv	100
47) 1,1,2-Trichloroethane	6.619	97	176811	10.228	ppbv	100
48) Dibromochloromethane	7.419	129	290737	13.195	ppbv	100
49) Bromoform	9.506	173	257972	14.609	ppbv	100
50) 4-Methyl-2-Pentanone	5.797	43	490478	12.157	ppbv	100
51) 2-Hexanone	7.467	43	402499	13.184	ppbv	100
52) Tetrachloroethene	8.251	164	168568	13.437	ppbv	100
53) Toluene	6.969	91	574578	15.259	ppbv	100
54) 1,2-Dibromoethane	7.681	107	248821	11.739	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.946	131	224424	9.592	ppbv	99
57) Chlorobenzene	8.946	112	417085	9.725	ppbv	100
58) Ethyl Benzene	9.380	91	782806	13.992	ppbv	100
59) m/p-Xylene	9.558	91	635601	12.895	ppbv #	100
60) o-Xylene	9.985	91	605176	12.598	ppbv	100
61) Styrene	9.895	104	315614	16.935	ppbv	100
62) Isopropylbenzene	10.561	105	915687	12.133	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.985	83	362310	8.601	ppbv	100
64) n-propylbenzene	11.011	120	235202	12.148	ppbv	100
65) tert-Butylbenzene	11.552	119	801987	11.792	ppbv	100
66) Benzyl Chloride	11.636	91	88168	15.476	ppbv	100
67) sec-Butylbenzene	11.788	105	1100240	11.087	ppbv	100
69) p-Isopropyltoluene	11.947	119	952865	12.230	ppbv	100
70) n-Butylbenzene	12.300	91	946867	12.097	ppbv	100
71) 2-Chlorotoluene	10.921	91	700520	12.787	ppbv	100
72) 4-Ethyltoluene	11.144	105	745709	12.837	ppbv	100
73) 1,3,5-Trimethylbenzene	11.225	105	628921	12.361	ppbv	100
74) 1,2,4-Trimethylbenzene	11.558	105	663696	11.261	ppbv	100
75) 1,3-Dichlorobenzene	11.626	146	396672	10.056	ppbv	100
76) 1,4-Dichlorobenzene	11.691	146	396593	10.448	ppbv	100
77) 1,2-Dichlorobenzene	11.966	146	375622	9.138	ppbv	100
78) Hexachloro-1,3-Butadiene	13.902	225	293286	10.050	ppbv	100
79) Naphthalene	13.533	128	648444	14.936	ppbv	100
80) Naphthalene,2-methyl-	14.478	142	313057	19.482	ppbv	100
81) 1,2,4-Trichlorobenzene	13.458	180	313601	13.033	ppbv	100

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

Quant Time: Jan 10 00:13:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
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QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

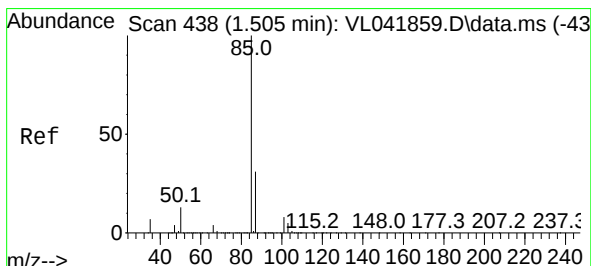
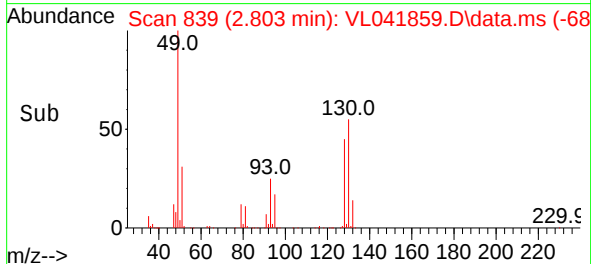
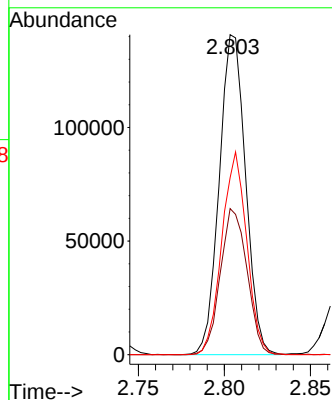
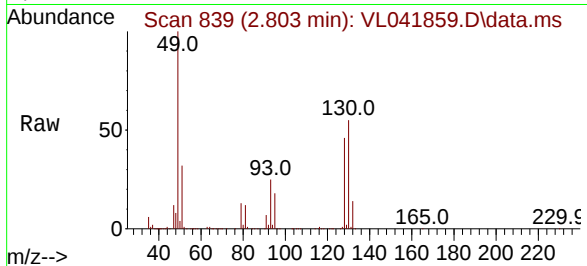




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 839
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

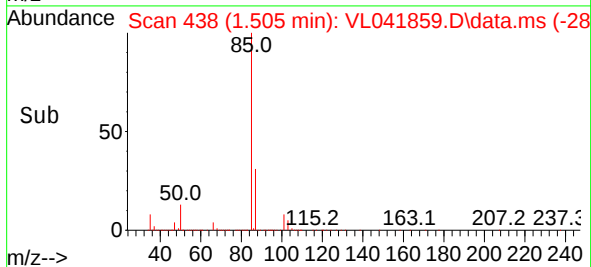
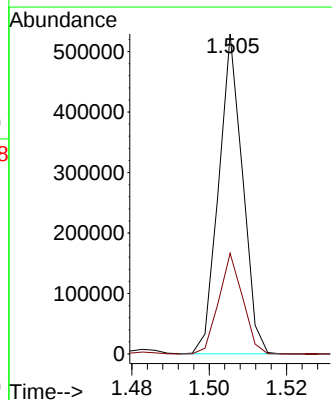
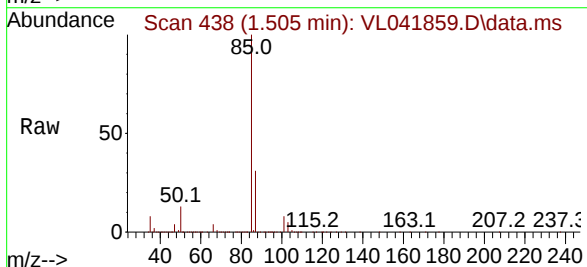
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MSVOA_L
ClientSampleId :

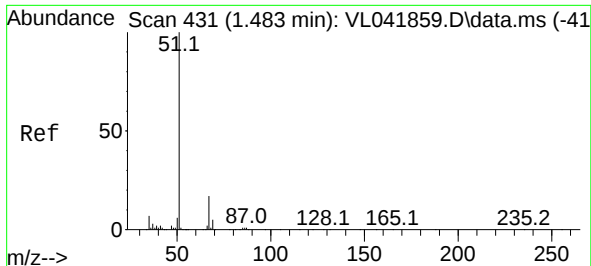
Tgt Ion: 49 Resp: 150033
Ion Ratio Lower Upper
49 100
128 46.3 23.2 69.5
130 59.9 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 9.193 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 85 Resp: 226313
Ion Ratio Lower Upper
85 100
87 31.5 25.2 37.8

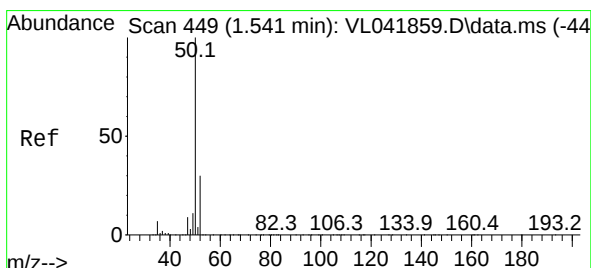
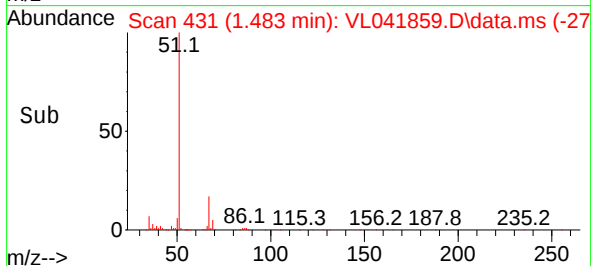
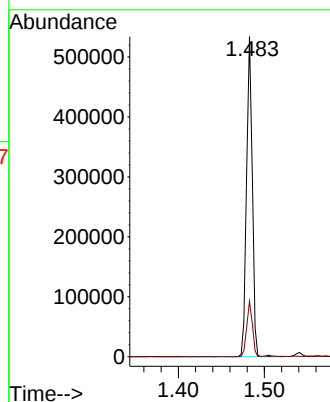
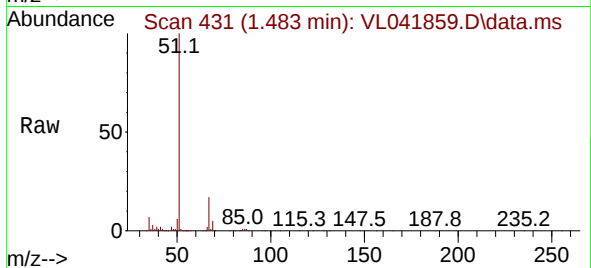




#3
Chlorodifluoromethane
Concen: 10.516 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

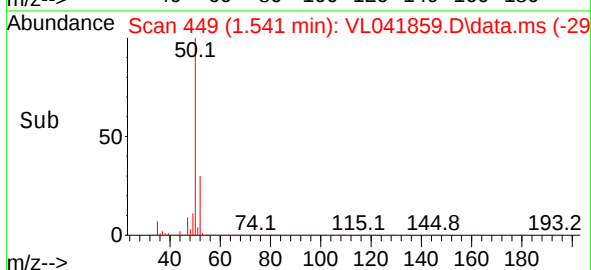
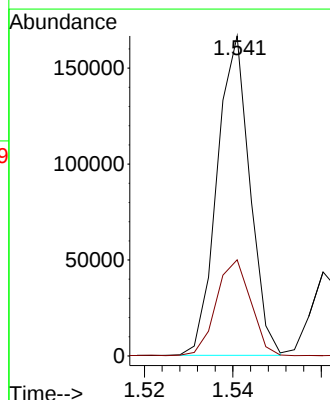
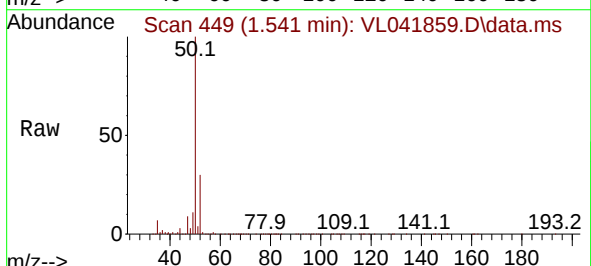
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ClientSampleId :

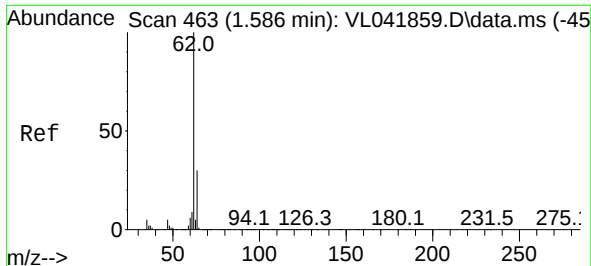
Tgt Ion: 51 Resp: 247353
Ion Ratio Lower Upper
51 100
67 17.6 13.8 20.8



#4
Chloromethane
Concen: 8.462 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 50 Resp: 85664
Ion Ratio Lower Upper
50 100
52 29.9 23.9 35.9

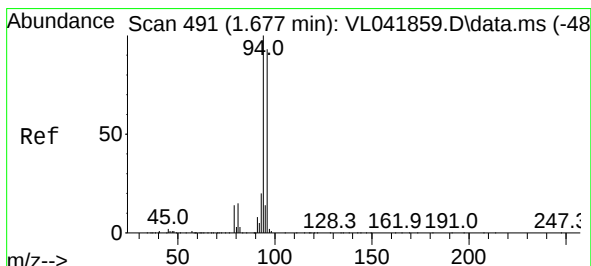
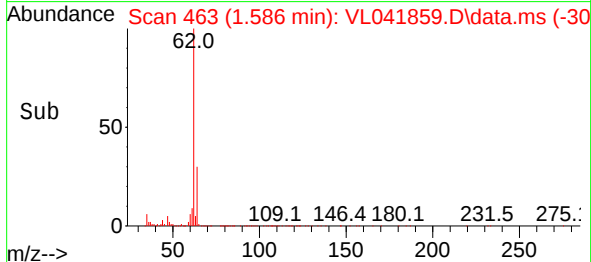
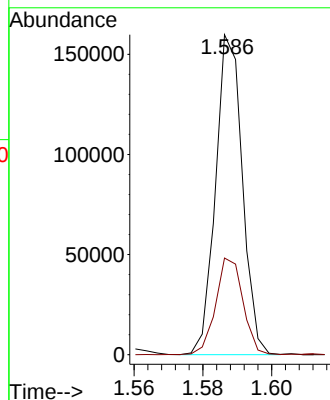
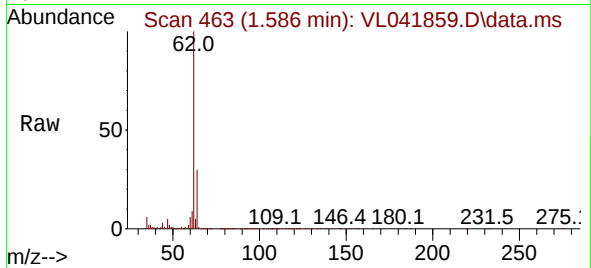




#5
 Vinyl Chloride
 Concen: 8.457 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

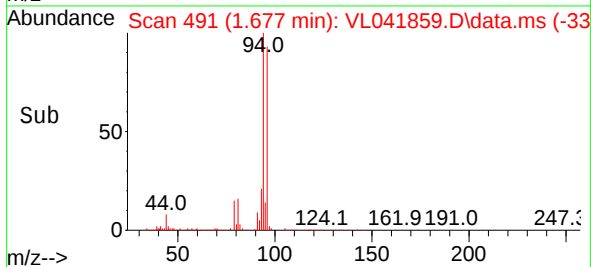
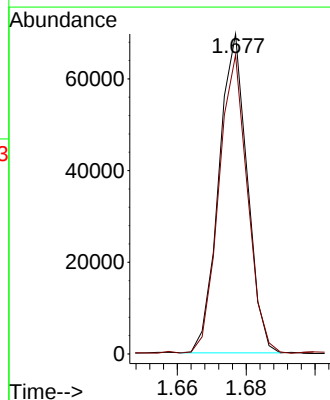
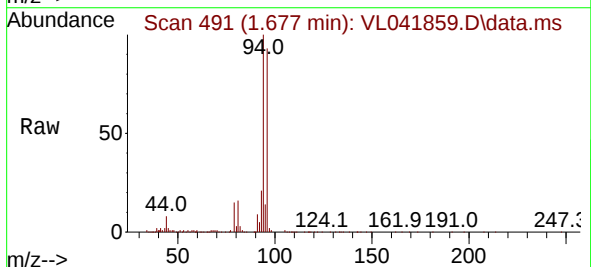
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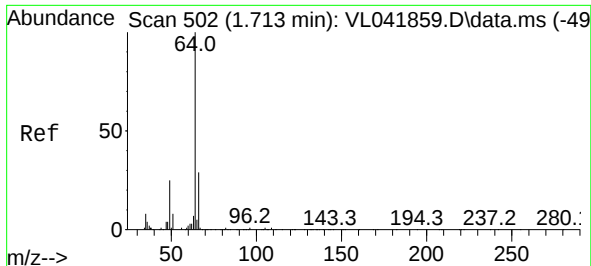
Tgt Ion: 62 Resp: 86352
 Ion Ratio Lower Upper
 62 100
 64 30.1 24.1 36.1



#6
 Bromomethane
 Concen: 9.107 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Tgt Ion: 94 Resp: 39829
 Ion Ratio Lower Upper
 94 100
 96 93.5 74.8 112.2

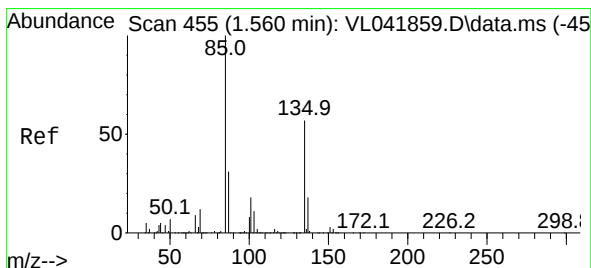
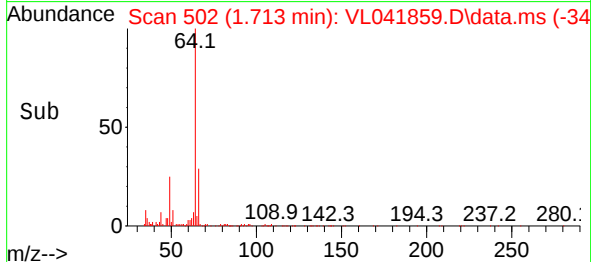
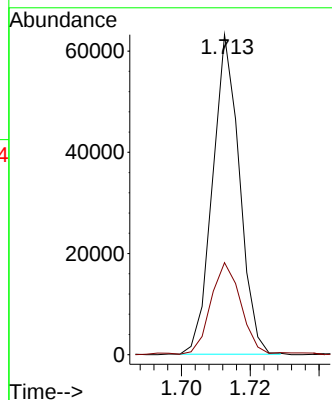
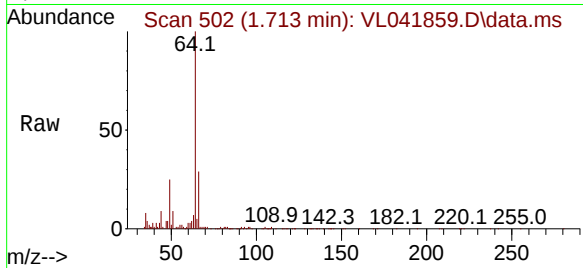




#7
Chloroethane
Concen: 8.740 ppbv
RT: 1.713 min Scan# 502
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

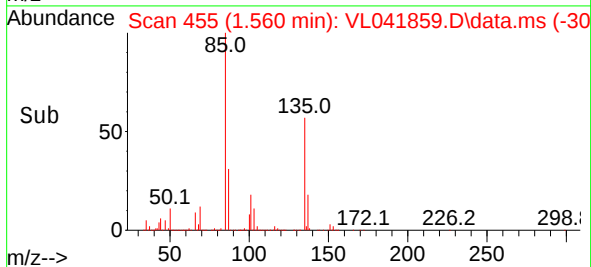
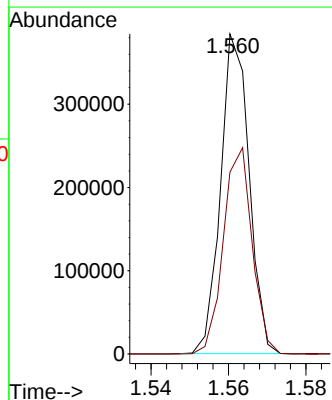
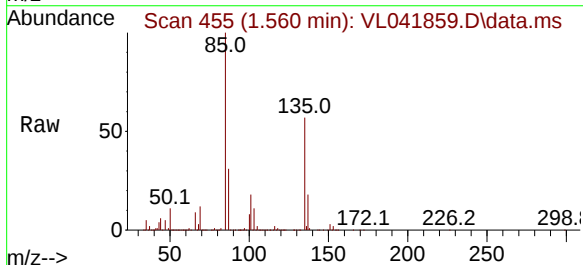
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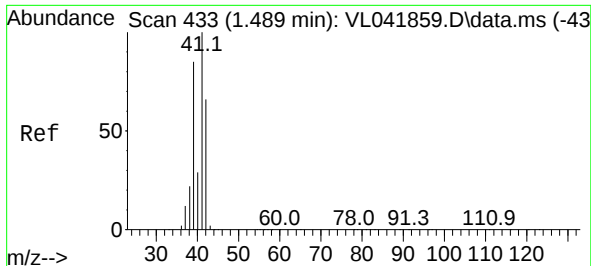
Tgt Ion: 64 Resp: 34351
Ion Ratio Lower Upper
64 100
66 28.8 23.0 34.6



#8
Dichlorotetrafluoroethane
Concen: 9.224 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 85 Resp: 195898
Ion Ratio Lower Upper
85 100
135 65.3 52.2 78.4





#9

Propene

Concen: 13.692 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

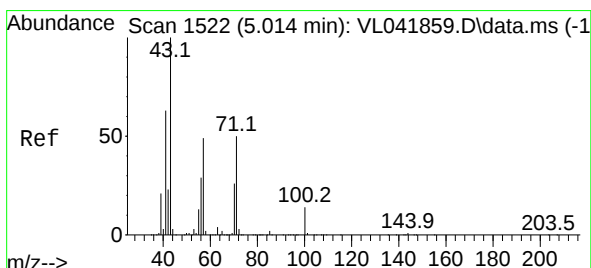
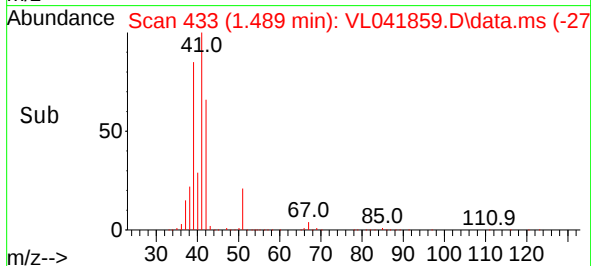
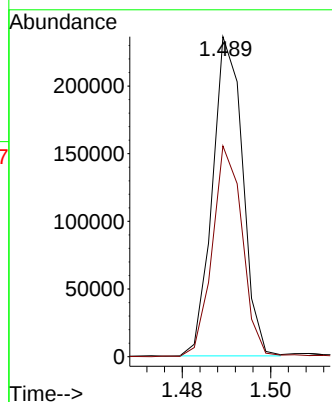
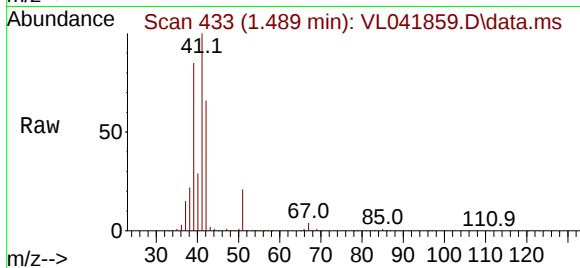
ClientSampleId :

Tgt Ion: 41 Resp: 112124

Ion Ratio Lower Upper

41 100

42 66.3 53.0 79.6



#10

Heptane

Concen: 14.992 ppbv

RT: 5.014 min Scan# 1522

Delta R.T. 0.000 min

Lab File: VL041859.D

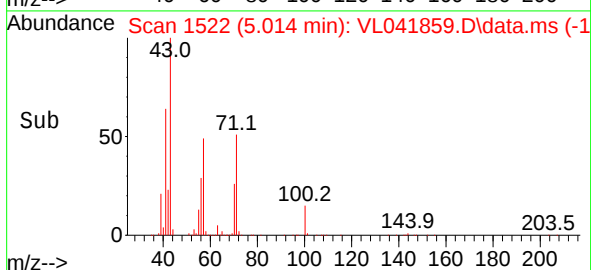
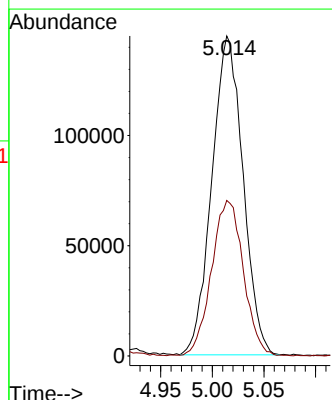
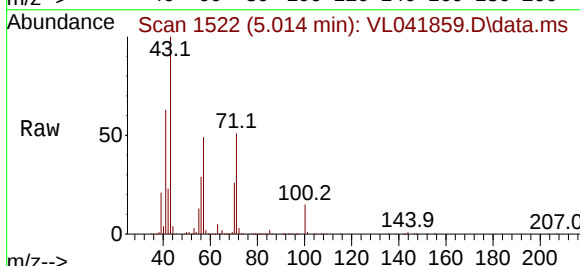
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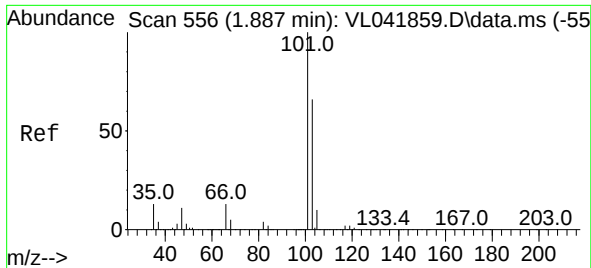
Tgt Ion: 43 Resp: 303272

Ion Ratio Lower Upper

43 100

57 49.9 40.2 60.2

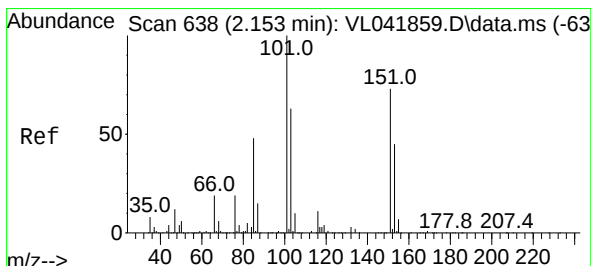
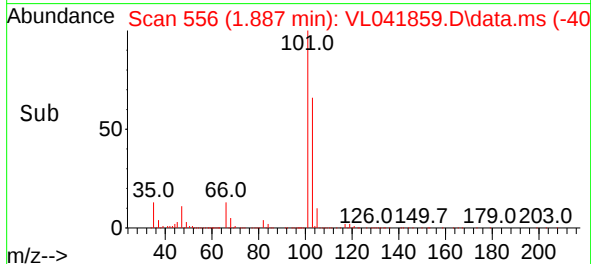
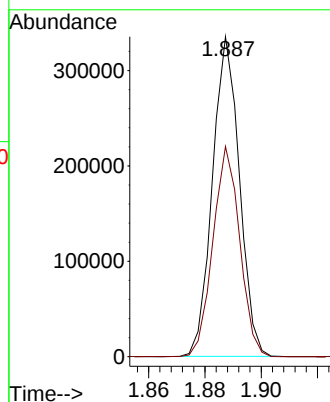
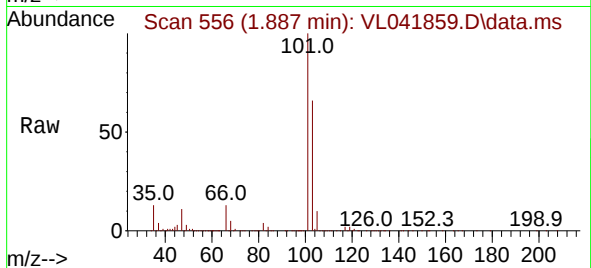




#11
 Trichlorofluoromethane
 Concen: 8.899 ppbv
 RT: 1.887 min Scan# 556
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

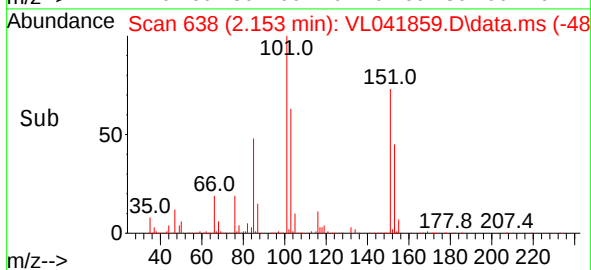
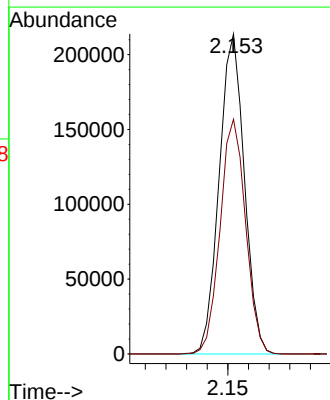
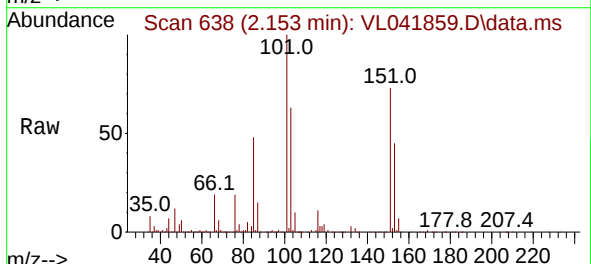
Instrument :
 MSVOA_L
 ClientSampleId :

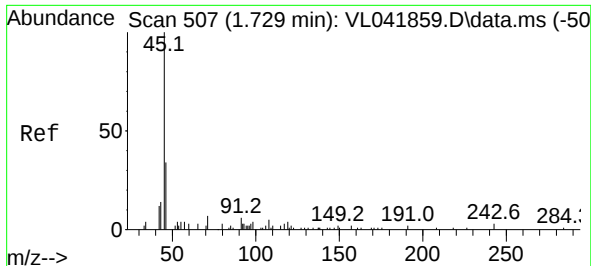
Tgt Ion:101 Resp: 222752
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.715 ppbv
 RT: 2.153 min Scan# 638
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Tgt Ion:101 Resp: 181116
 Ion Ratio Lower Upper
 101 100
 151 74.2 59.4 89.0





#13

Ethanol

Concen: 4.150 ppbv

RT: 1.729 min Scan# 507

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

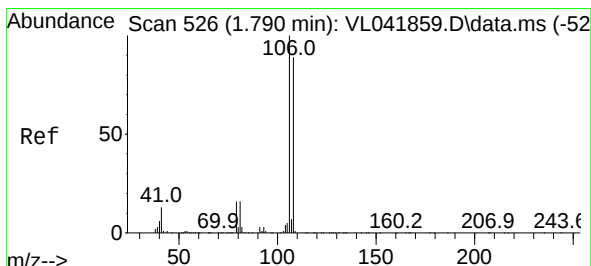
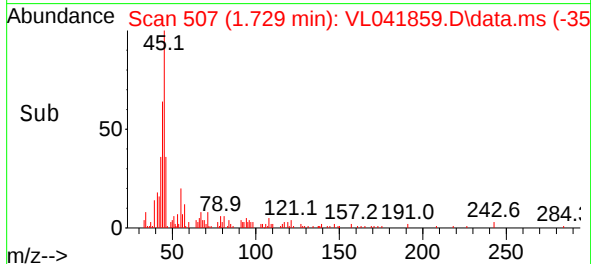
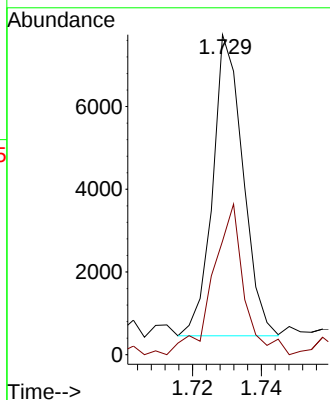
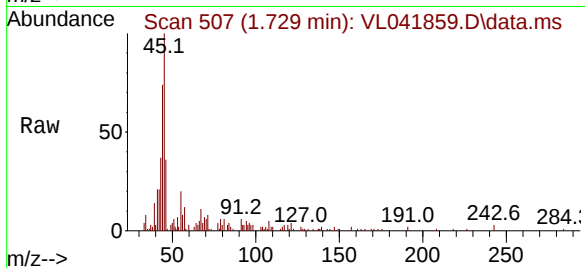
ClientSampleId :

Tgt Ion: 45 Resp: 4464

Ion Ratio Lower Upper

45 100

46 56.0 19.0 76.0



#14

Bromoethene

Concen: 10.743 ppbv

RT: 1.790 min Scan# 526

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

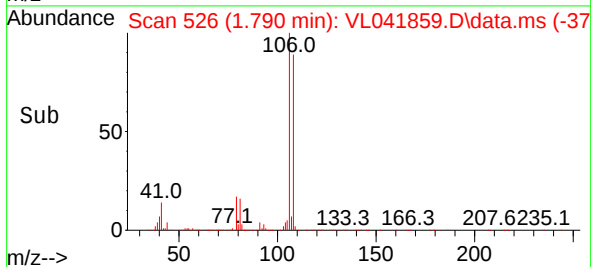
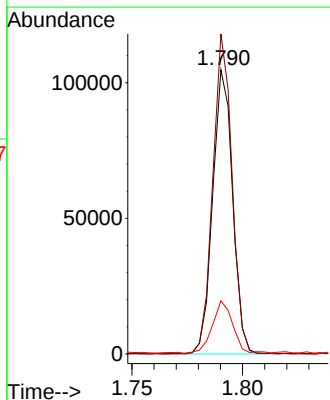
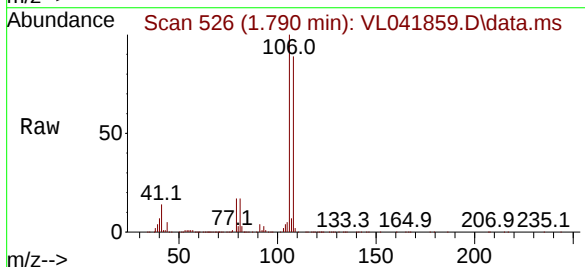
Tgt Ion: 108 Resp: 65566

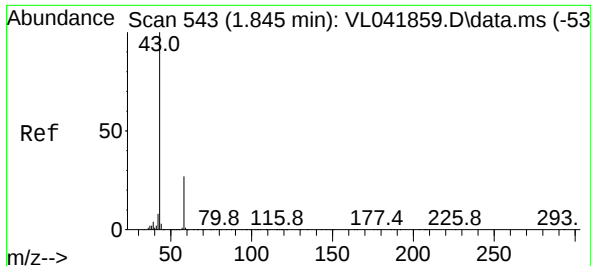
Ion Ratio Lower Upper

108 100

106 108.8 86.9 130.3

79 19.2 15.6 23.4





#15

Acetone

Concen: 6.626 ppbv

RT: 1.845 min Scan# 543

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

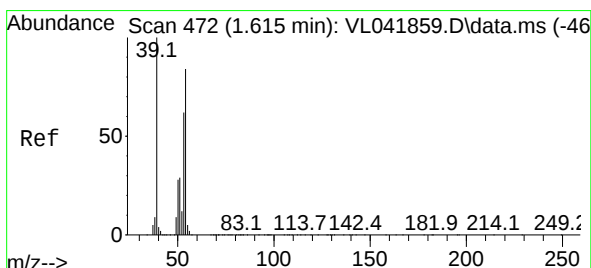
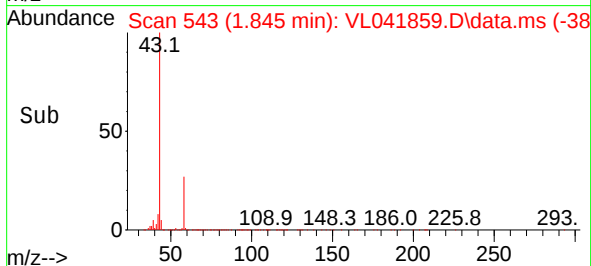
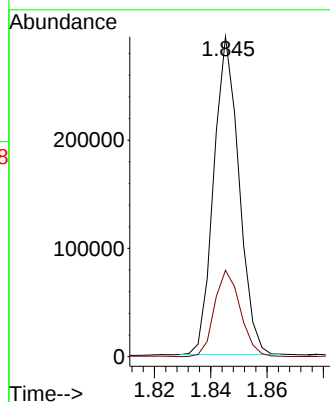
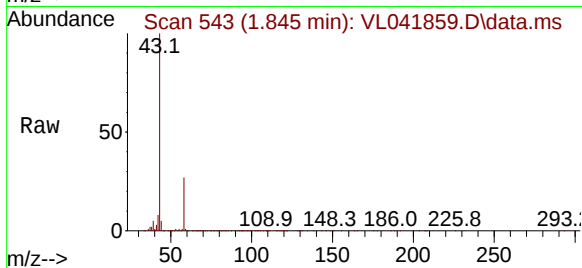
ClientSampleId :

Tgt Ion: 43 Resp: 183039

Ion Ratio Lower Upper

43 100

58 28.0 22.7 34.1



#16

1,3-Butadiene

Concen: 7.945 ppbv

RT: 1.615 min Scan# 472

Delta R.T. 0.000 min

Lab File: VL041859.D

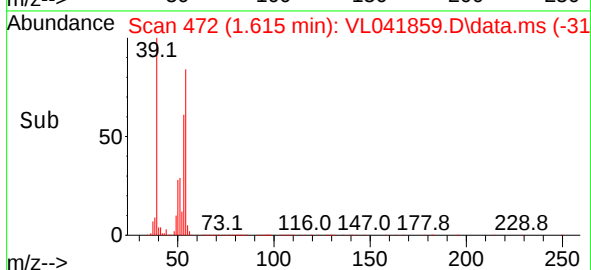
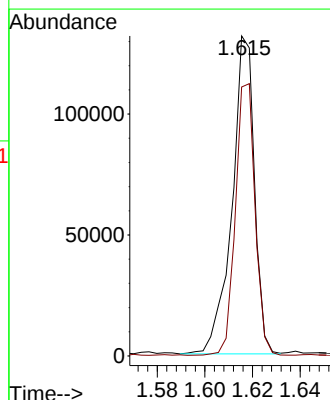
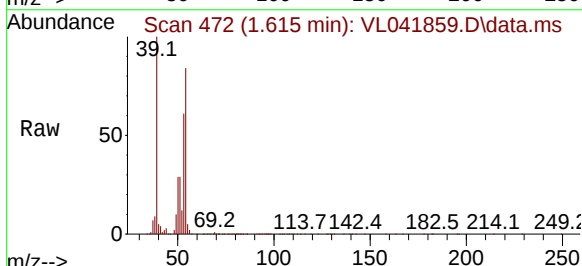
Acq: 09 Jan 2025 11:19

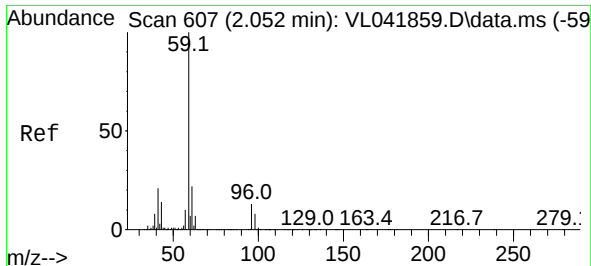
Tgt Ion: 39 Resp: 86059

Ion Ratio Lower Upper

39 100

54 76.6 60.1 90.1

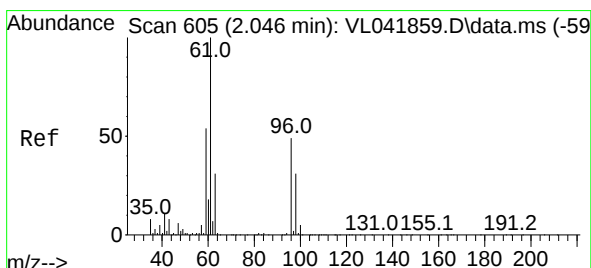
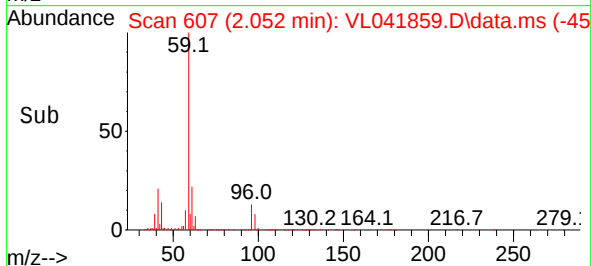
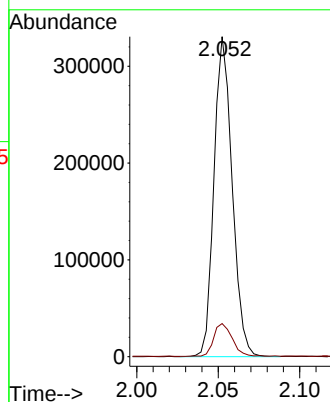
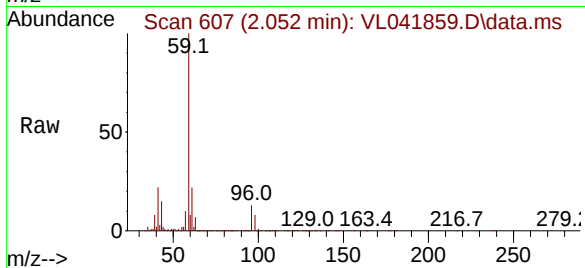




#17
tert-Butyl alcohol
Concen: 10.708 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

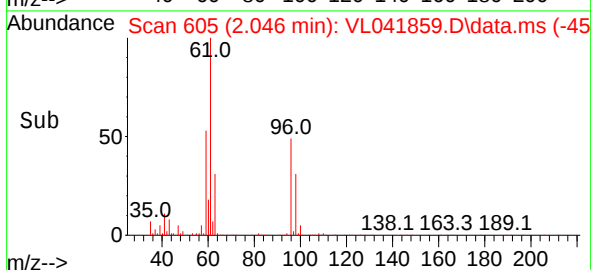
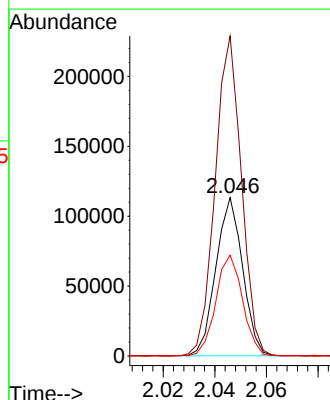
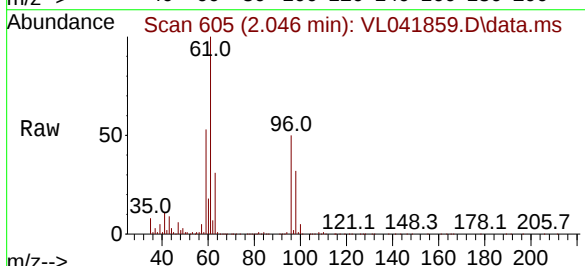
Instrument :
MSVOA_L
ClientSampleId :

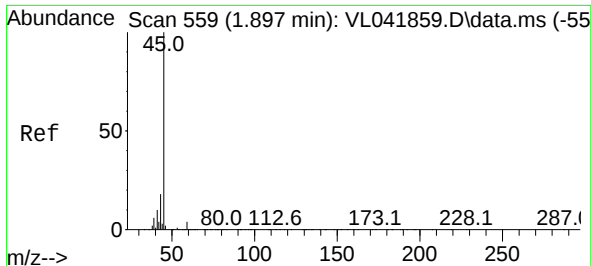
Tgt Ion: 59 Resp: 256303
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4



#18
1,1-Dichloroethene
Concen: 10.432 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 96 Resp: 81423
Ion Ratio Lower Upper
96 100
61 202.1 161.7 242.5
98 63.7 51.0 76.4

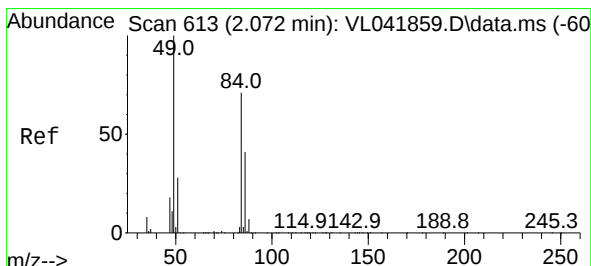
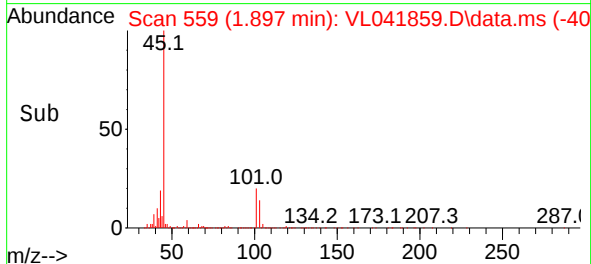
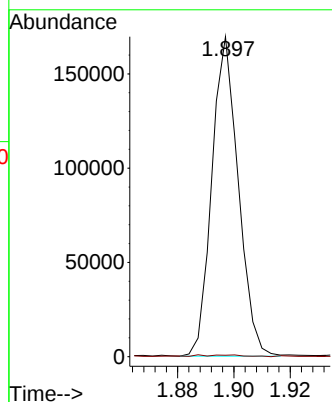
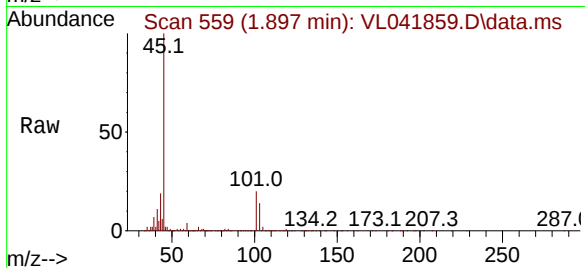




#19
Isopropyl Alcohol
Concen: 8.528 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

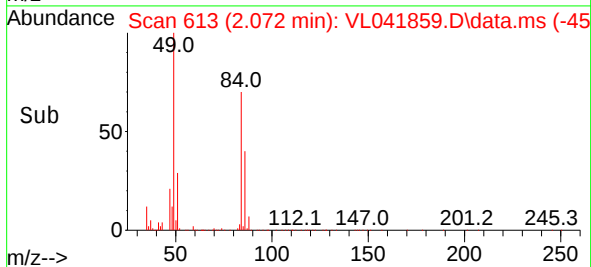
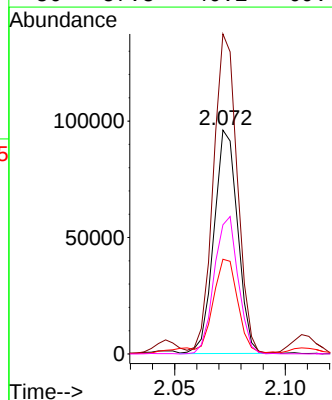
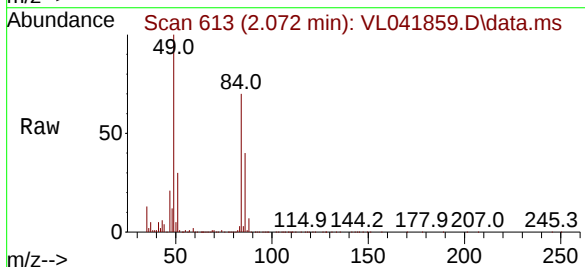
Instrument :
MSVOA_L
ClientSampleId :

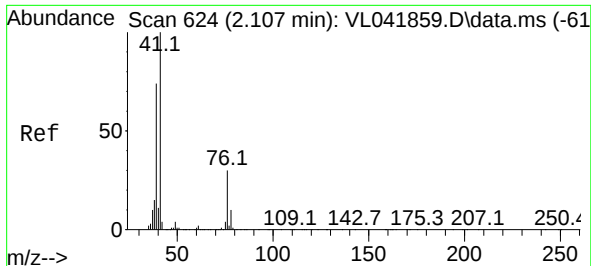
Tgt Ion: 45 Resp: 110578
Ion Ratio Lower Upper
45 100
58 47.0 37.0 55.6



#20
Methylene Chloride
Concen: 9.055 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

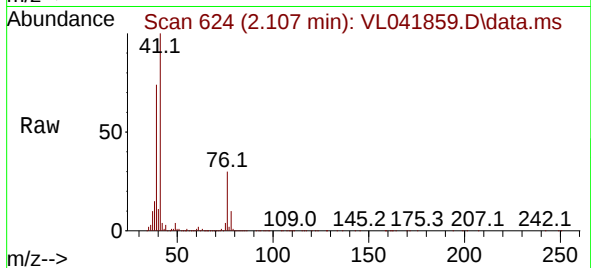
Tgt Ion: 84 Resp: 71501
Ion Ratio Lower Upper
84 100
49 142.3 113.8 170.8
51 41.9 33.5 50.3
86 57.8 46.2 69.4



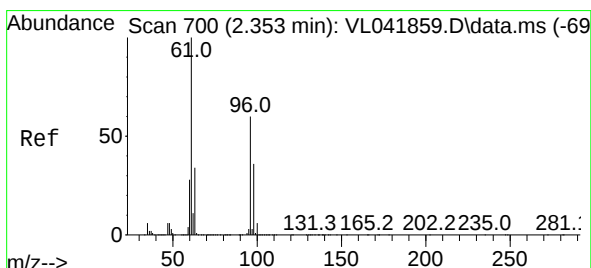
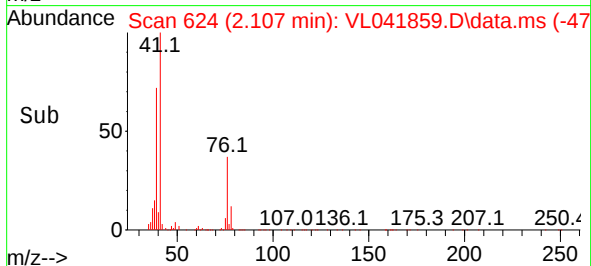
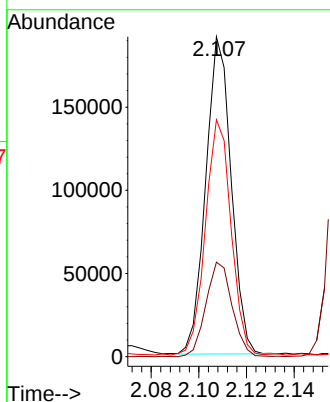


#21
 Allyl Chloride
 Concen: 9.950 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Instrument :
 MSVOA_L
 ClientSampleId :

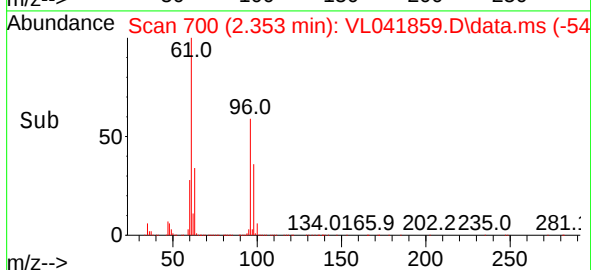
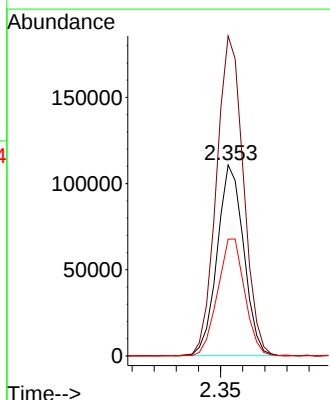
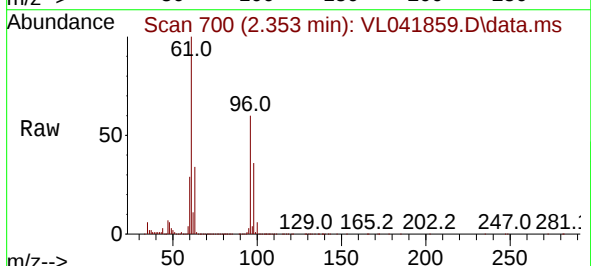


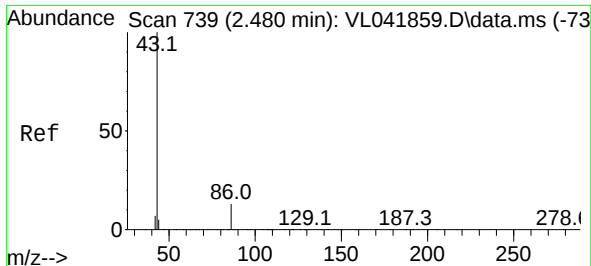
Tgt Ion: 41 Resp: 141576
 Ion Ratio Lower Upper
 41 100
 76 30.8 24.6 36.8
 39 74.4 60.1 90.1



#22
 trans-1,2-Dichloroethene
 Concen: 10.553 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Tgt Ion: 96 Resp: 92062
 Ion Ratio Lower Upper
 96 100
 61 167.8 134.2 201.4
 98 61.2 49.0 73.4





#23

Vinyl Acetate

Concen: 14.191 ppbv

RT: 2.480 min Scan# 739

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 121914

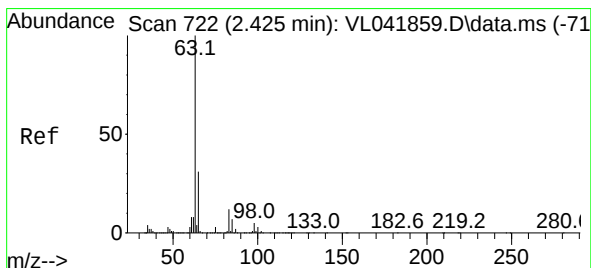
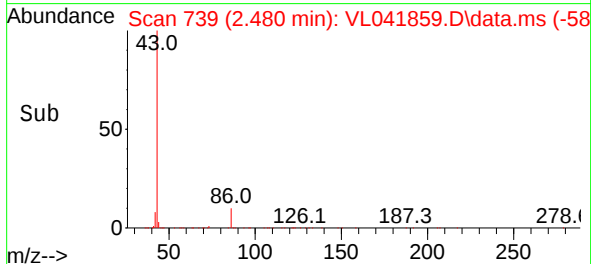
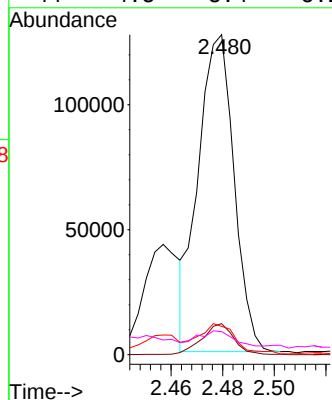
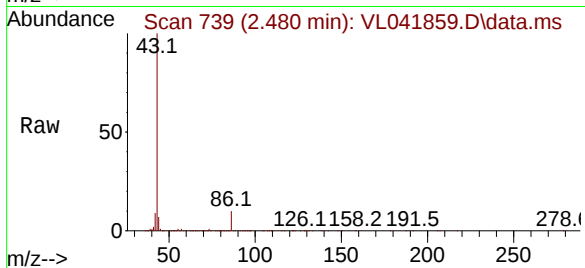
Ion Ratio Lower Upper

43 100

86 9.7 7.8 11.6

42 8.7 7.0 10.4

44 4.3 3.4 5.2



#24

1,1-Dichloroethane

Concen: 9.286 ppbv

RT: 2.425 min Scan# 722

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

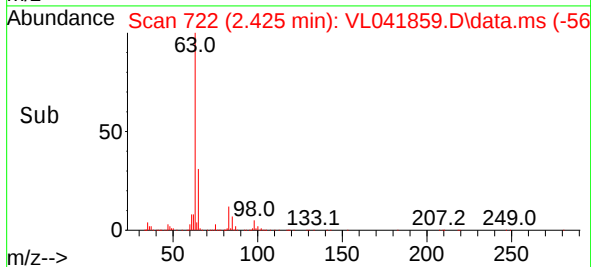
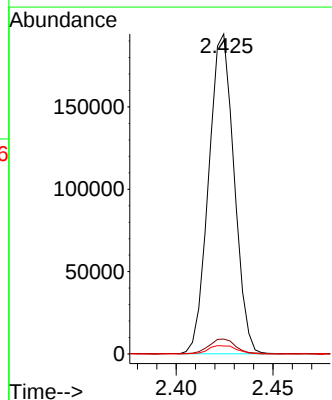
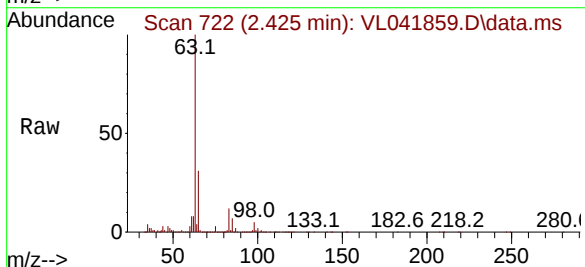
Tgt Ion: 63 Resp: 177291

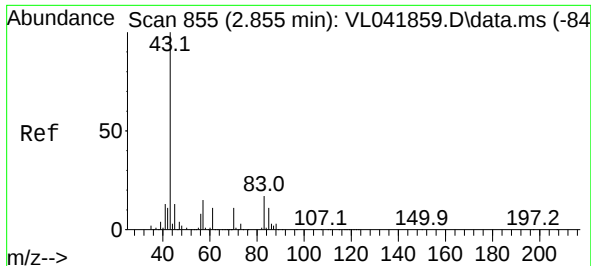
Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

100 2.5 1.3 3.8





#25

Ethyl Acetate

Concen: 12.728 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 589565

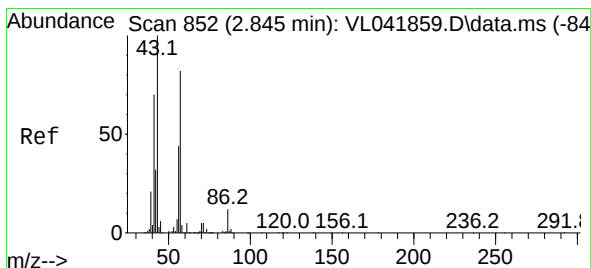
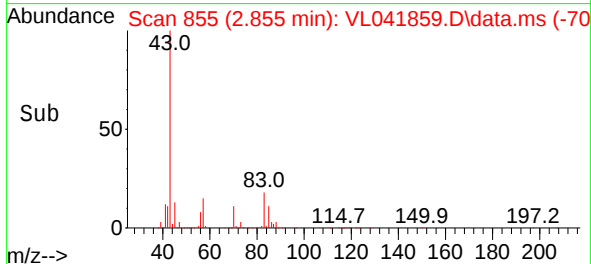
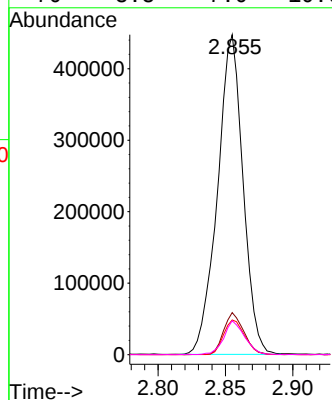
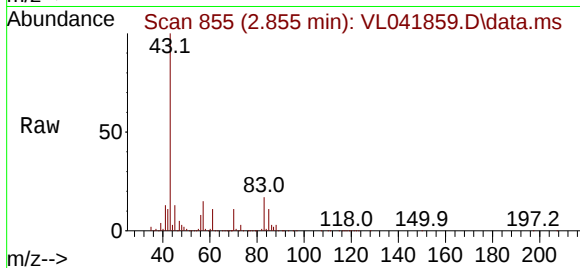
Ion Ratio Lower Upper

43 100

45 10.5 8.4 12.6

61 9.1 7.3 10.9

70 8.8 7.0 10.6



#26

Hexane

Concen: 14.695 ppbv

RT: 2.845 min Scan# 852

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Tgt Ion: 57 Resp: 236237

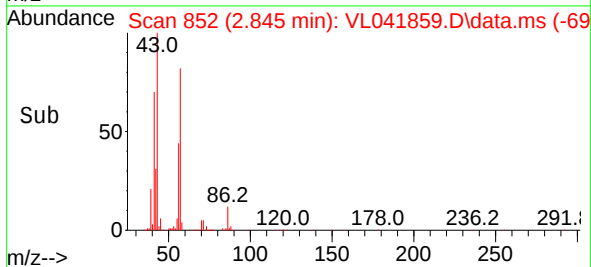
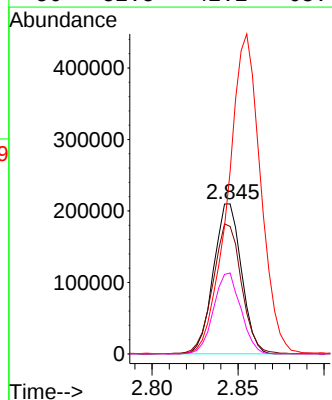
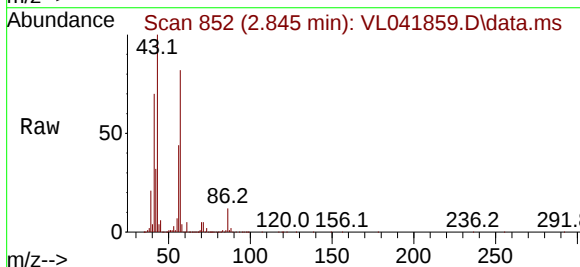
Ion Ratio Lower Upper

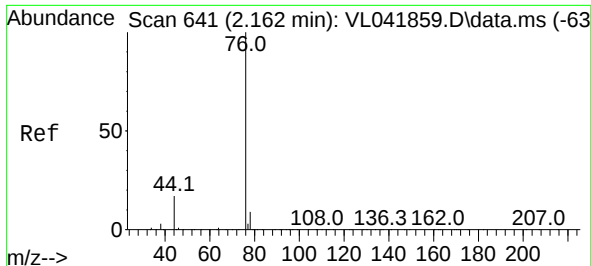
57 100

41 89.9 71.5 107.3

43 251.1 200.2 300.4

56 52.5 42.2 63.4





#27

Carbon Disulfide

Concen: 14.877 ppbv

RT: 2.162 min Scan# 641

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

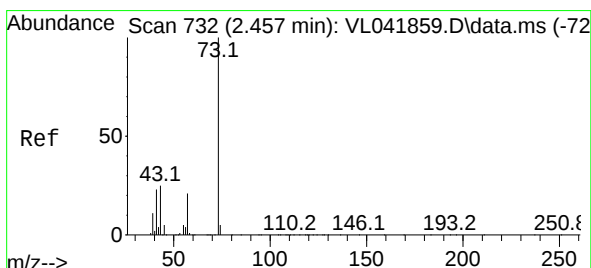
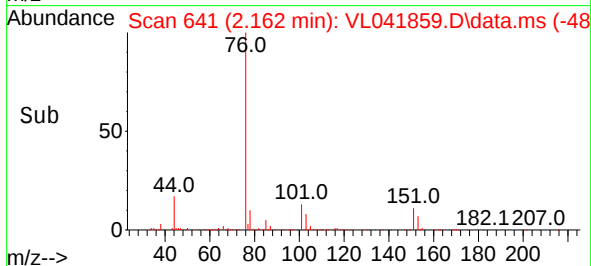
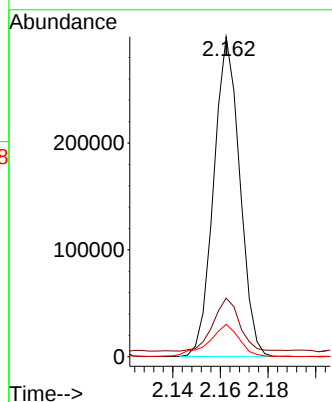
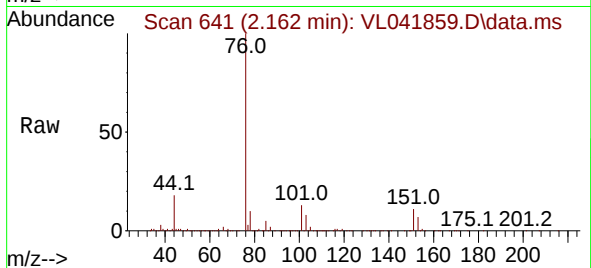
Tgt Ion: 76 Resp: 226986

Ion Ratio Lower Upper

76 100

44 17.6 13.1 19.7

78 11.6 9.5 14.3



#28

Methyl tert-Butyl Ether

Concen: 14.077 ppbv

RT: 2.457 min Scan# 732

Delta R.T. 0.000 min

Lab File: VL041859.D

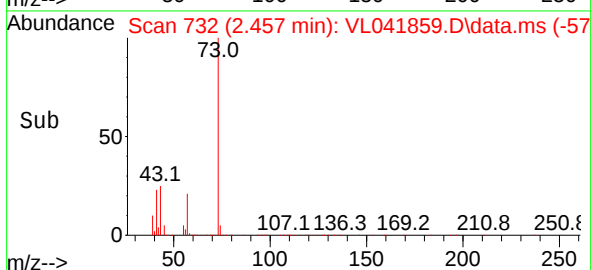
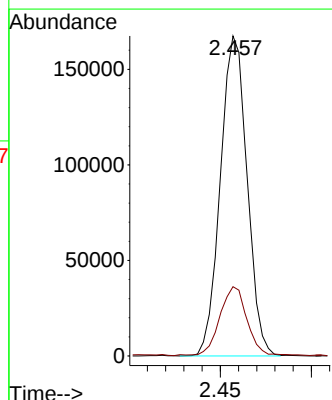
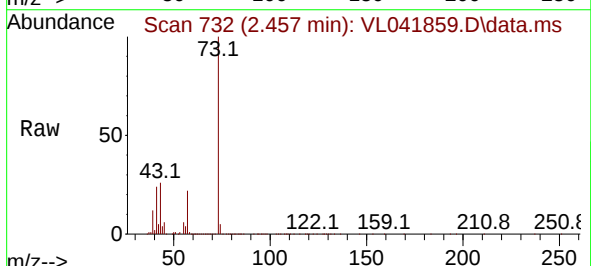
Acq: 09 Jan 2025 11:19

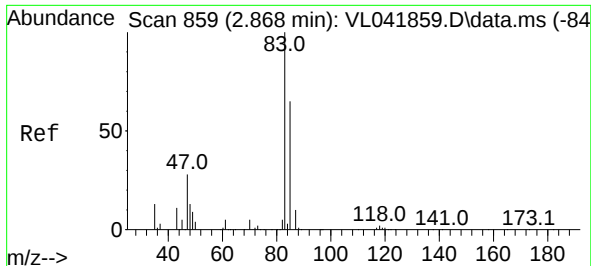
Tgt Ion: 73 Resp: 170565

Ion Ratio Lower Upper

73 100

57 22.0 17.5 26.3





#29

Chloroform

Concen: 10.989 ppbv

RT: 2.868 min Scan# 859

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

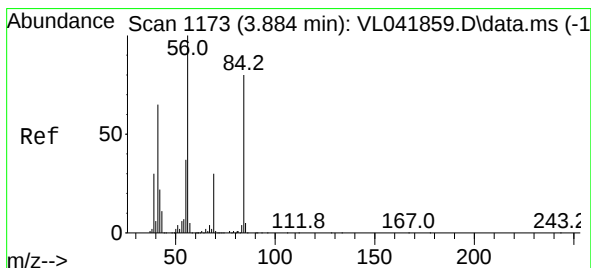
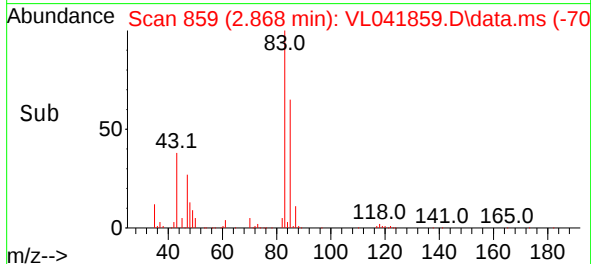
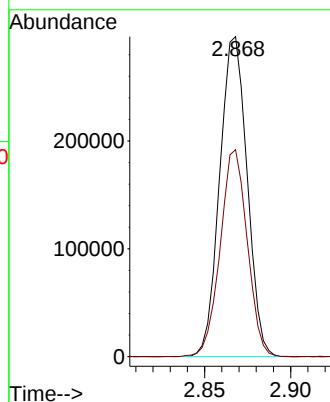
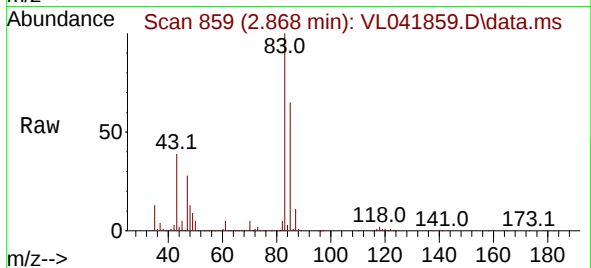
ClientSampleId :

Tgt Ion: 83 Resp: 328206

Ion Ratio Lower Upper

83 100

85 64.6 51.7 77.5



#30

Cyclohexane

Concen: 16.783 ppbv

RT: 3.884 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

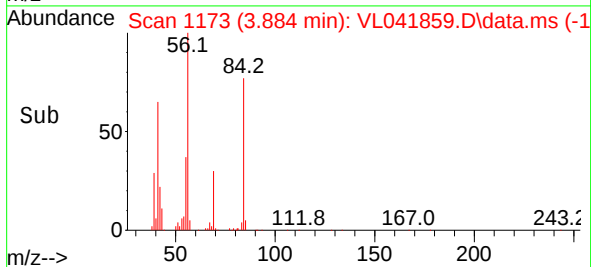
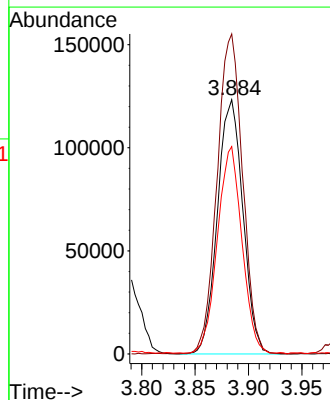
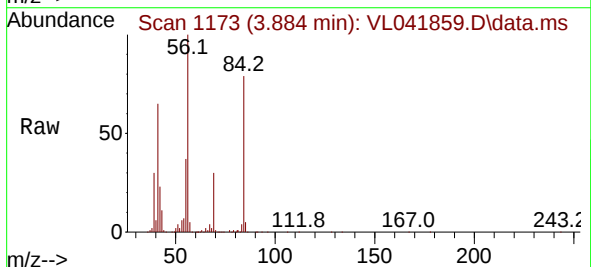
Tgt Ion: 84 Resp: 204595

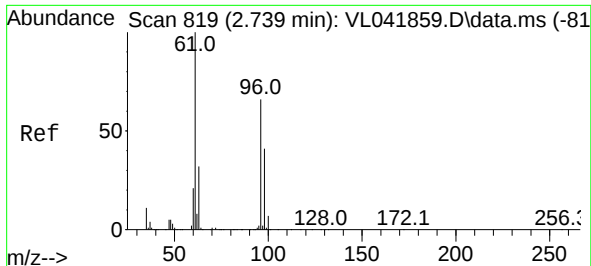
Ion Ratio Lower Upper

84 100

56 126.5 100.7 151.1

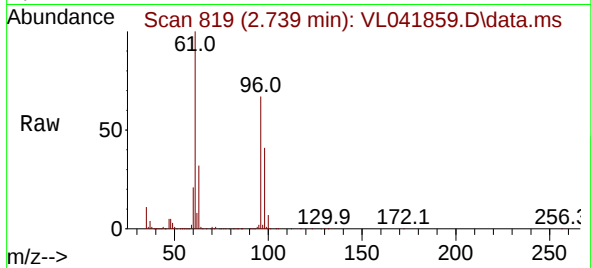
41 79.1 62.8 94.2



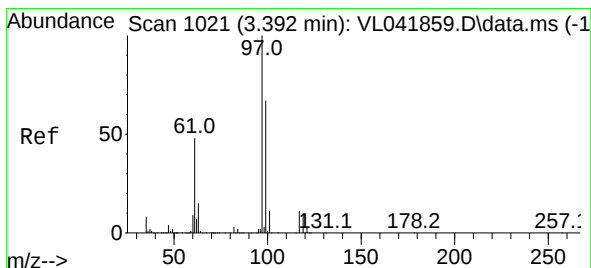
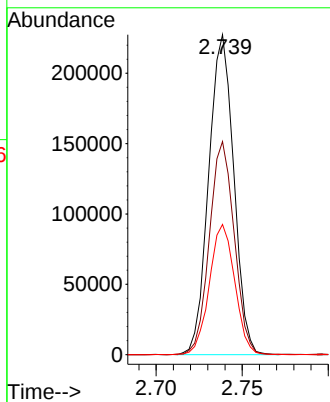
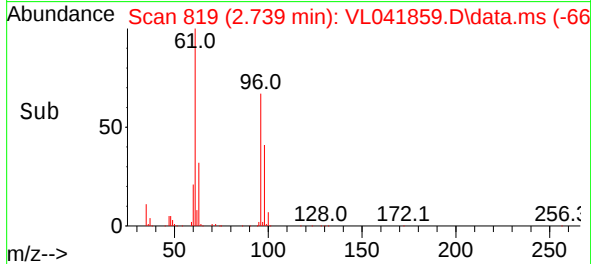


#31
 cis-1,2-Dichloroethene
 Concen: 13.944 ppbv
 RT: 2.739 min Scan# 819
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

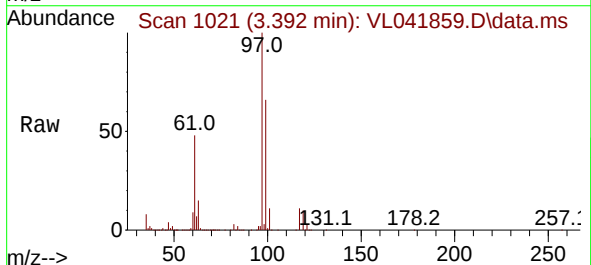
Instrument :
 MSVOA_L
 ClientSampleId :



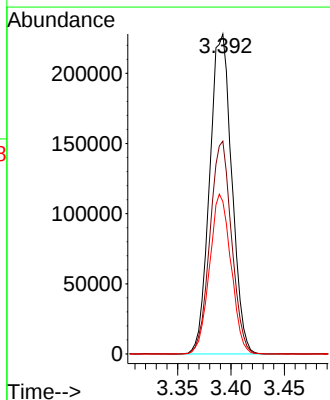
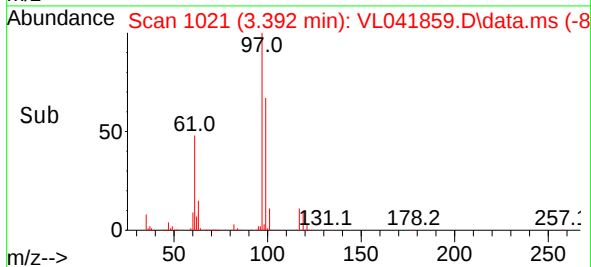
Tgt Ion: 61 Resp: 230732
 Ion Ratio Lower Upper
 61 100
 96 66.5 53.2 79.8
 98 40.6 32.5 48.7

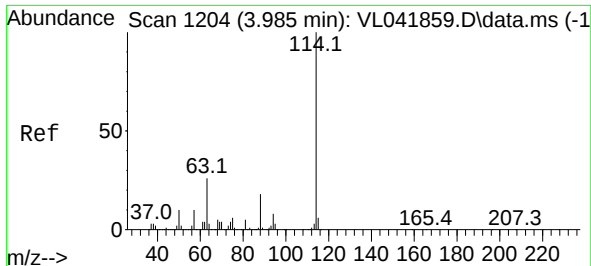


#32
 1,1,1-Trichloroethane
 Concen: 12.132 ppbv
 RT: 3.392 min Scan# 1021
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19



Tgt Ion: 97 Resp: 328356
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 48.5 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.985 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

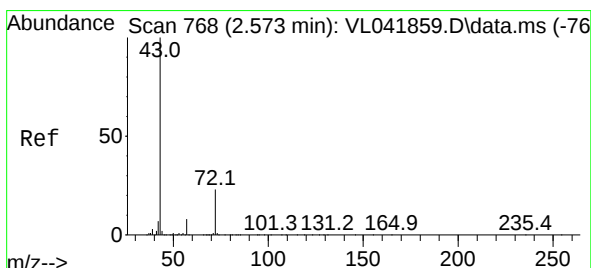
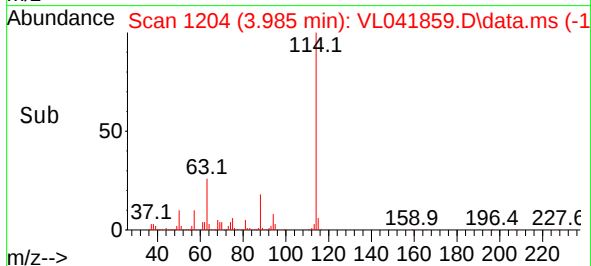
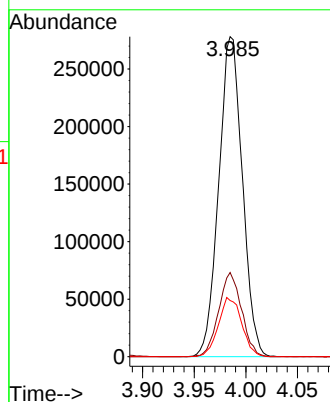
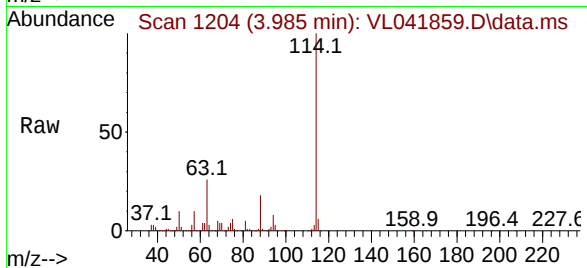
Tgt Ion:114 Resp: 442867

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 18.2 14.6 21.8



#34

2-Butanone

Concen: 9.557 ppbv

RT: 2.573 min Scan# 768

Delta R.T. 0.000 min

Lab File: VL041859.D

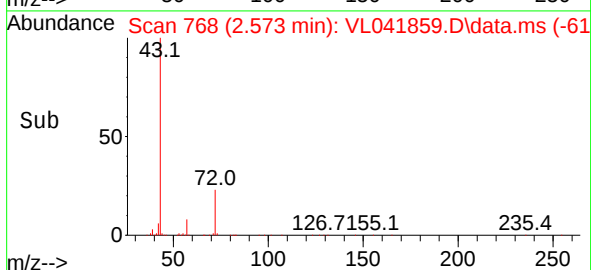
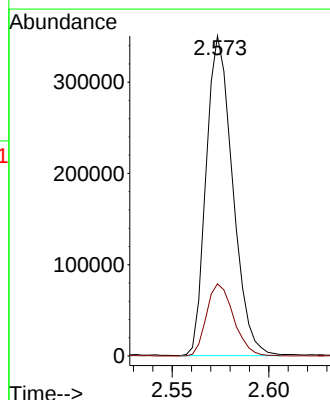
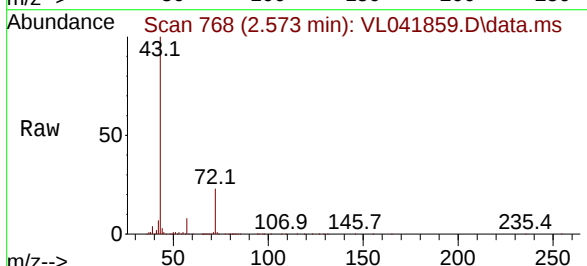
Acq: 09 Jan 2025 11:19

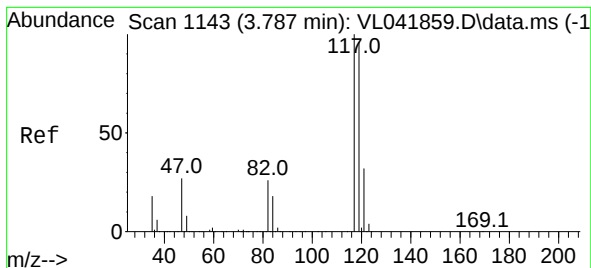
Tgt Ion: 43 Resp: 333402

Ion Ratio Lower Upper

43 100

72 23.1 18.5 27.7





#35

Carbon Tetrachloride

Concen: 9.690 ppbv

RT: 3.787 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

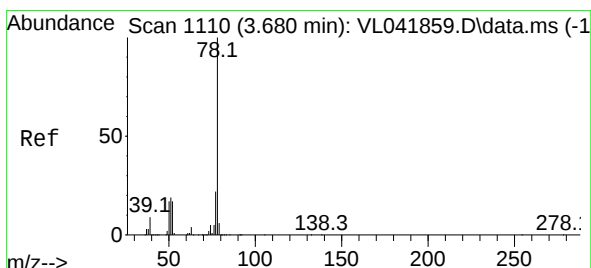
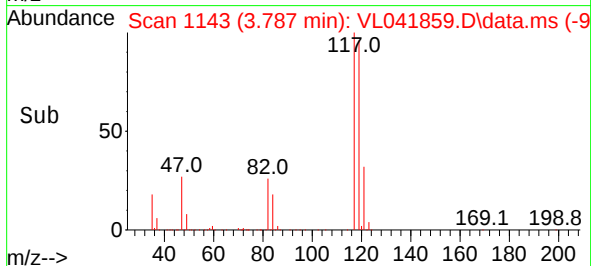
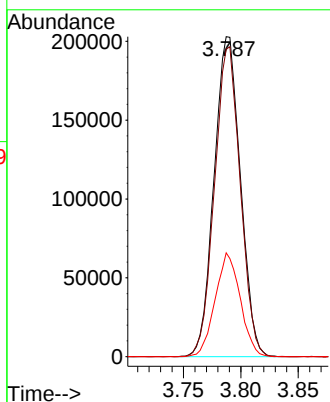
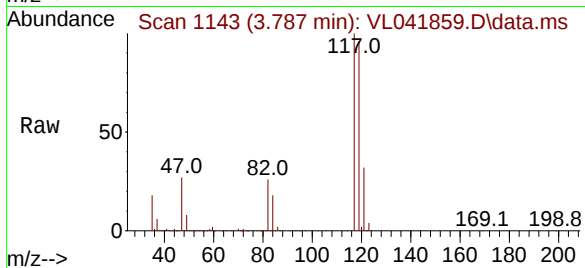
Tgt Ion:117 Resp: 324320

Ion Ratio Lower Upper

117 100

119 96.1 76.9 115.3

121 32.4 25.9 38.9



#36

Benzene

Concen: 11.507 ppbv

RT: 3.680 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

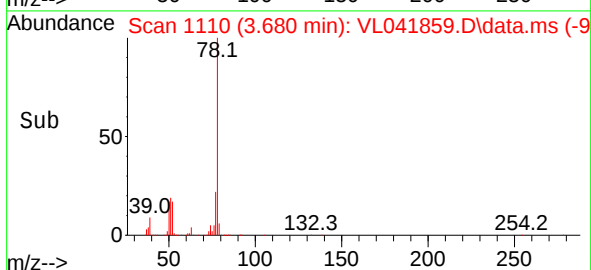
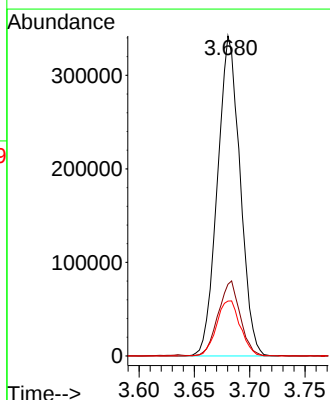
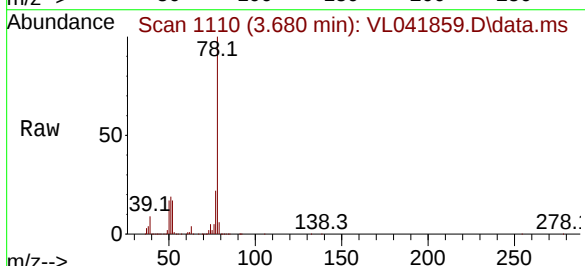
Tgt Ion: 78 Resp: 486852

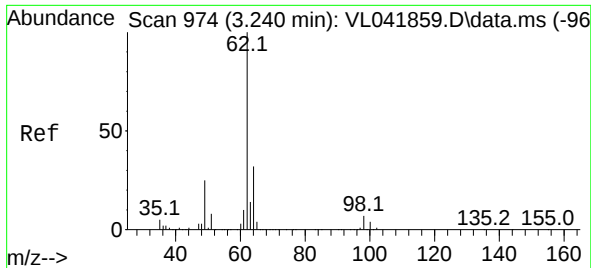
Ion Ratio Lower Upper

78 100

77 22.4 17.9 26.9

50 17.1 13.7 20.5





#37

1,2-Dichloroethane

Concen: 8.987 ppbv

RT: 3.240 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

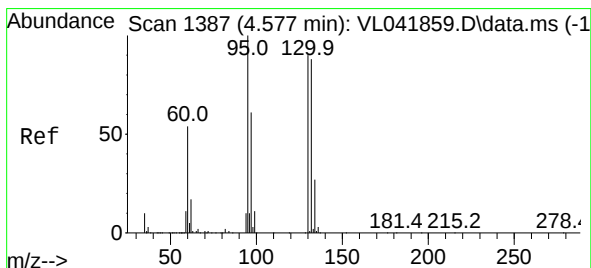
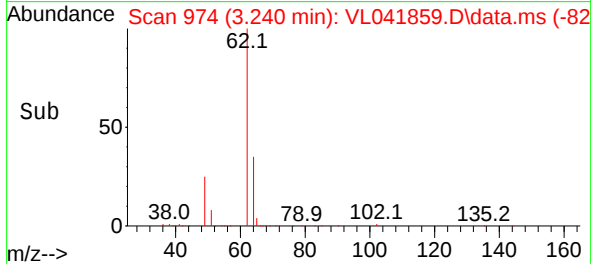
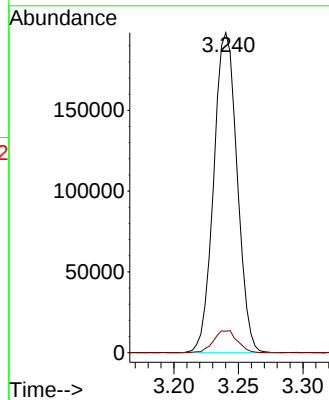
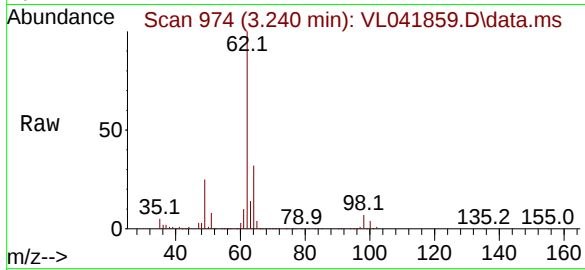
ClientSampleId :

Tgt Ion: 62 Resp: 249944

Ion Ratio Lower Upper

62 100

98 7.1 5.6 8.4



#38

Trichloroethene

Concen: 11.576 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Tgt Ion:130 Resp: 188346

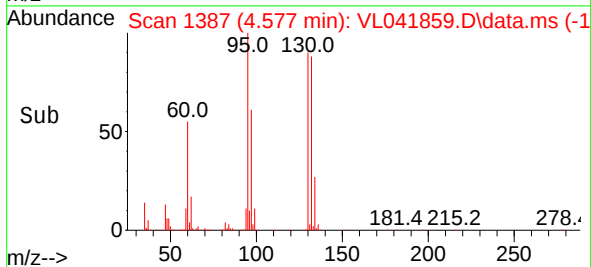
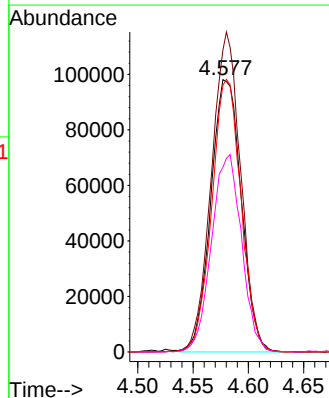
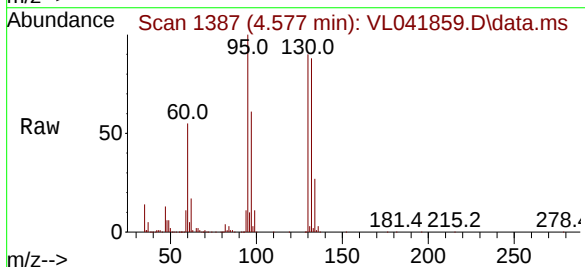
Ion Ratio Lower Upper

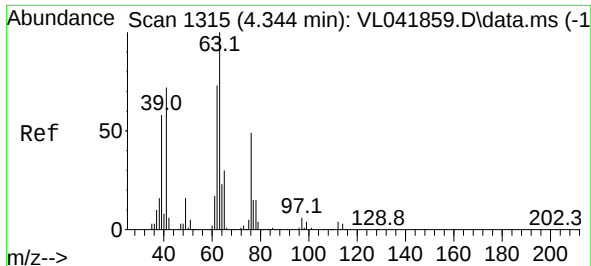
130 100

95 110.6 88.5 132.7

132 97.7 78.2 117.2

97 67.7 54.2 81.2





#39

1,2-Dichloropropane

Concen: 10.483 ppbv

RT: 4.344 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

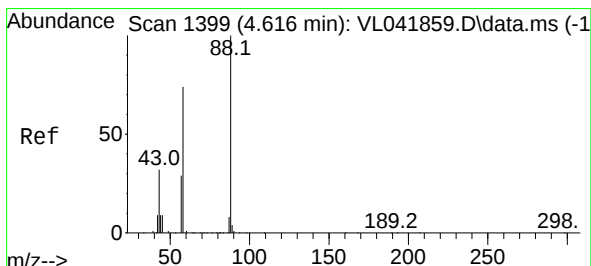
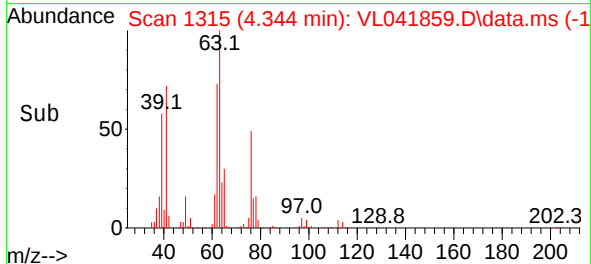
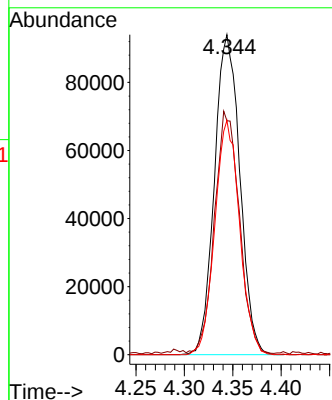
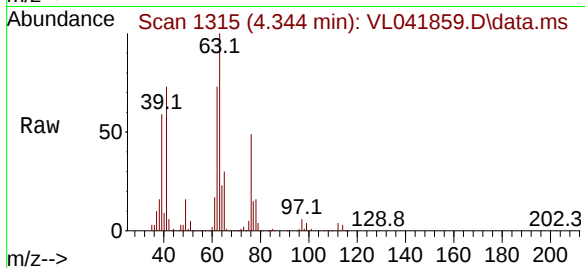
Tgt Ion: 63 Resp: 171561

Ion Ratio Lower Upper

63 100

41 72.5 58.0 87.0

62 73.2 58.6 87.8



#40

1,4-Dioxane

Concen: 13.205 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Tgt Ion: 88 Resp: 83645

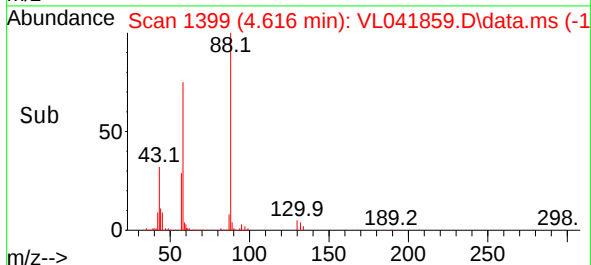
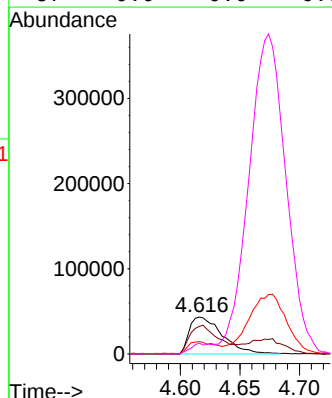
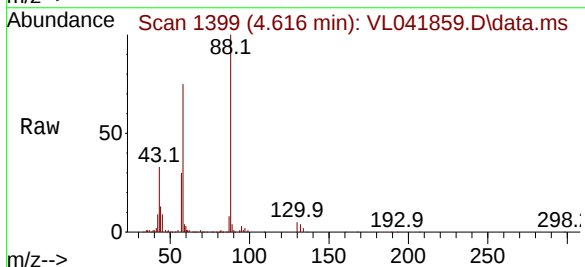
Ion Ratio Lower Upper

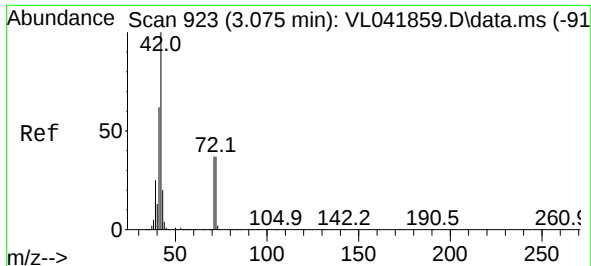
88 100

58 65.3 52.2 78.4

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 12.243 ppbv

RT: 3.075 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

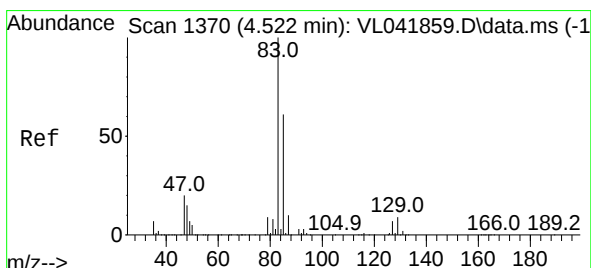
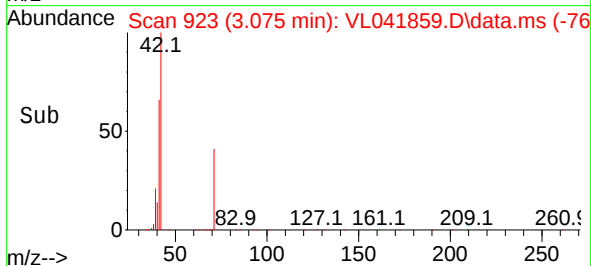
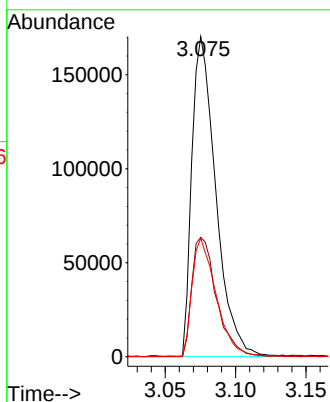
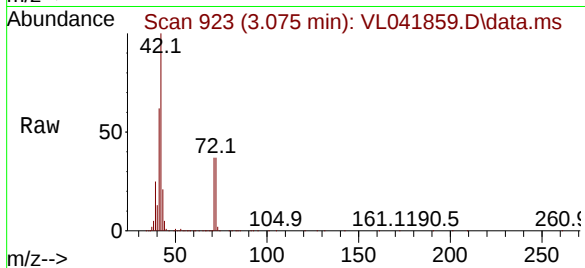
Tgt Ion: 42 Resp: 201204

Ion Ratio Lower Upper

42 100

72 38.5 30.8 46.2

71 37.7 30.1 45.1



#42

Bromodichloromethane

Concen: 10.910 ppbv

RT: 4.522 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

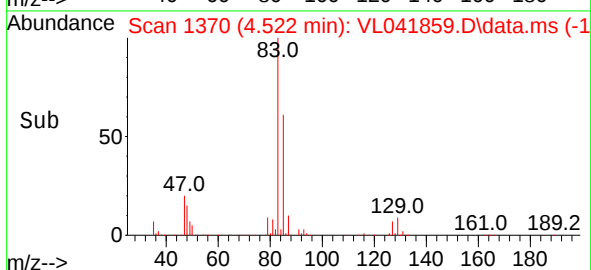
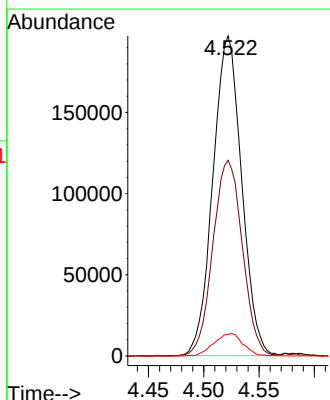
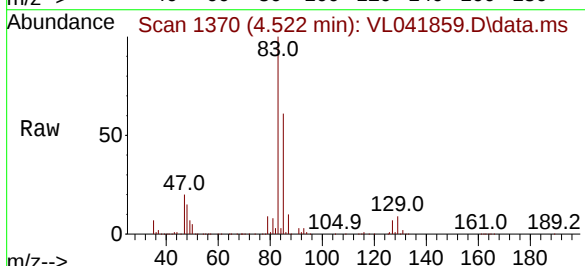
Tgt Ion: 83 Resp: 355888

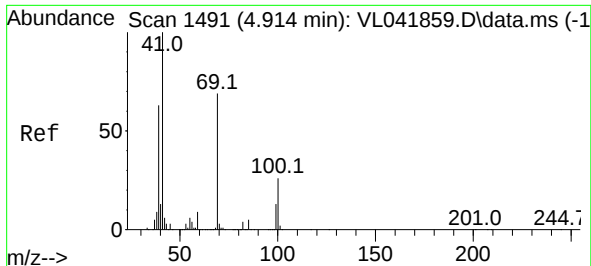
Ion Ratio Lower Upper

83 100

85 61.1 48.9 73.3

127 6.8 5.4 8.2





#43

Methyl Methacrylate

Concen: 15.032 ppbv

RT: 4.914 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

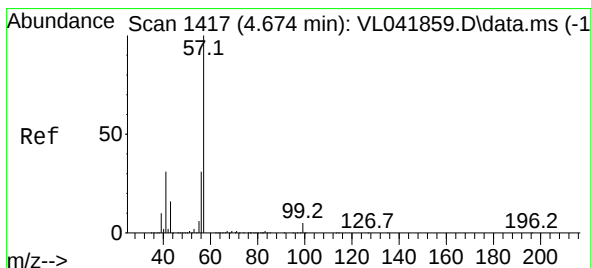
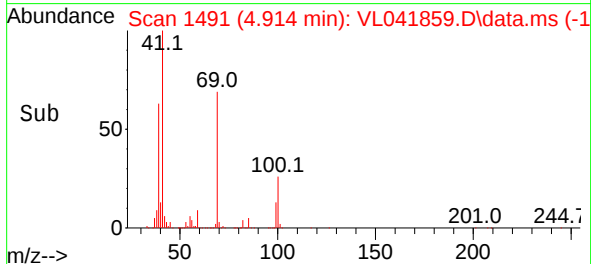
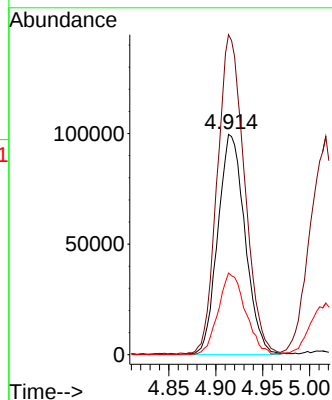
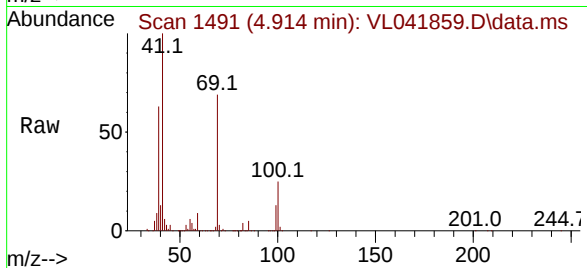
Tgt Ion: 69 Resp: 199710

Ion Ratio Lower Upper

69 100

41 145.3 116.2 174.4

100 37.3 29.8 44.8



#44

2,2,4-Trimethylpentane

Concen: 11.618 ppbv

RT: 4.674 min Scan# 1417

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

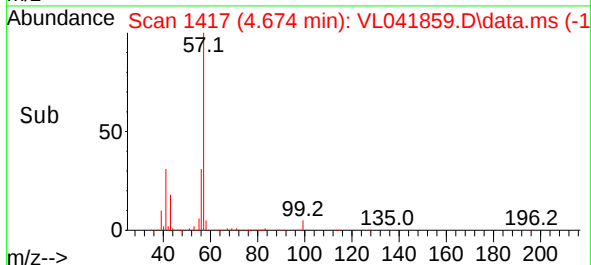
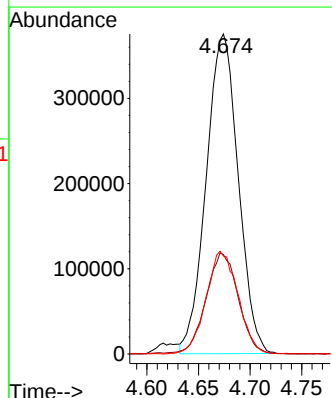
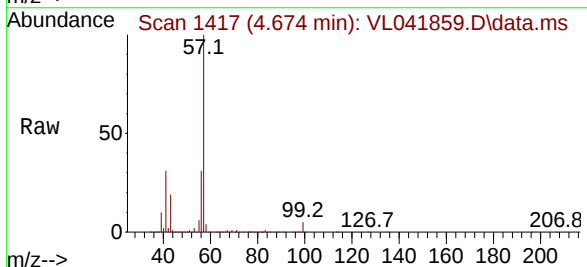
Tgt Ion: 57 Resp: 809851

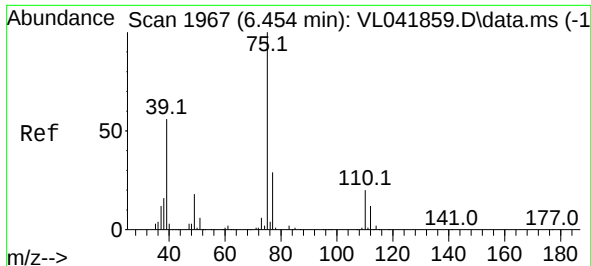
Ion Ratio Lower Upper

57 100

41 31.9 25.5 38.3

56 32.2 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 16.371 ppbv

RT: 6.454 min Scan# 1967

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

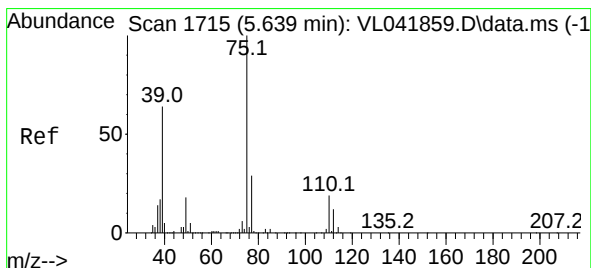
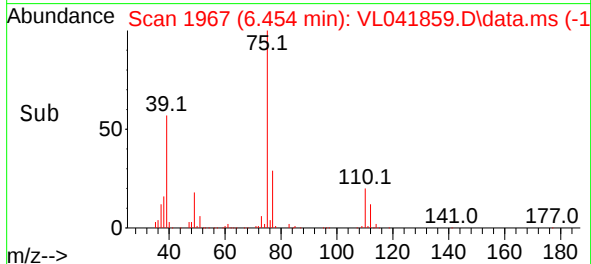
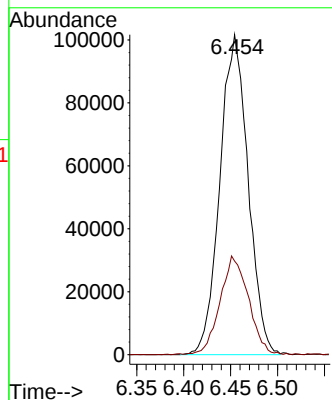
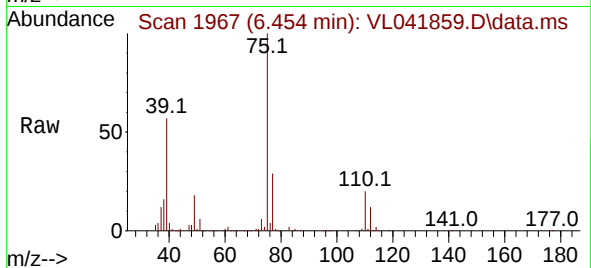
ClientSampleId :

Tgt Ion: 75 Resp: 212343

Ion Ratio Lower Upper

75 100

77 29.3 23.4 35.2



#46

cis-1,3-Dichloropropene

Concen: 15.773 ppbv

RT: 5.639 min Scan# 1715

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

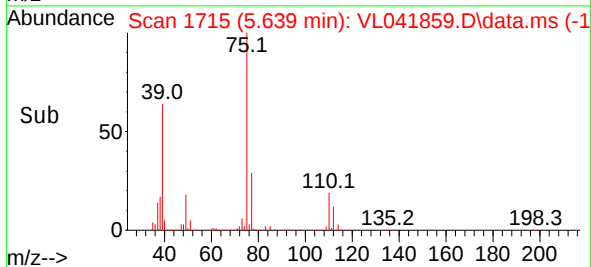
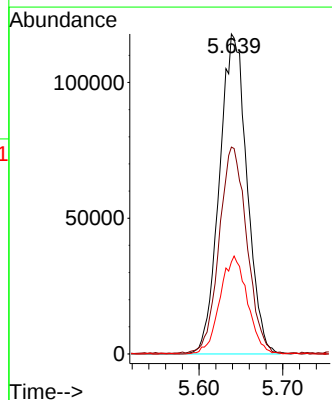
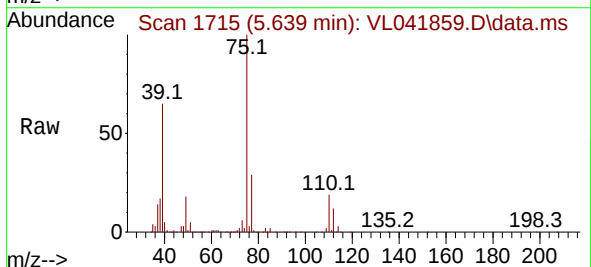
Tgt Ion: 75 Resp: 269395

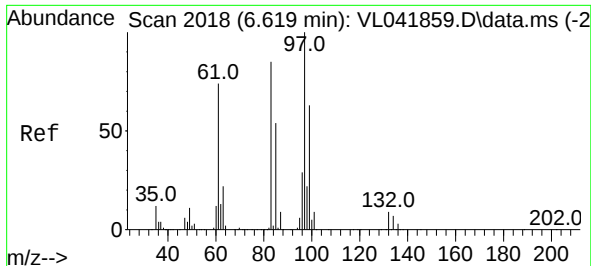
Ion Ratio Lower Upper

75 100

39 64.3 51.4 77.2

77 28.7 23.0 34.4

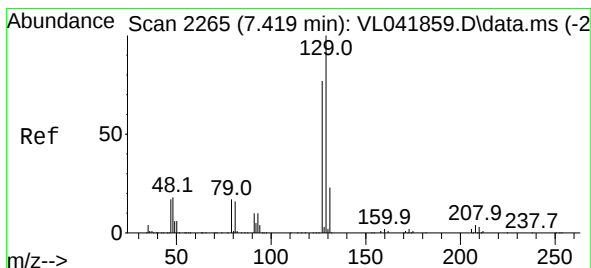
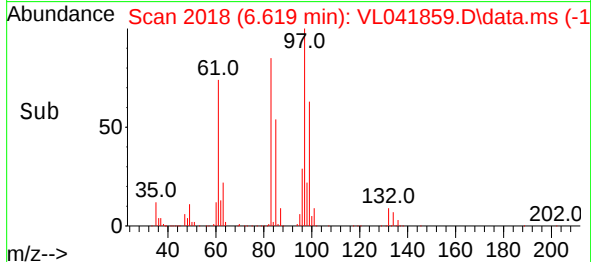
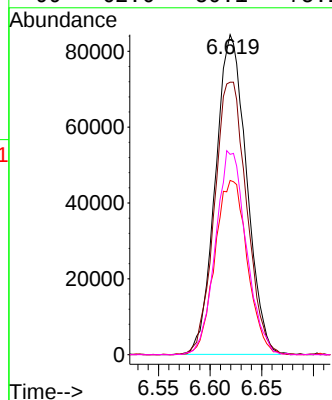
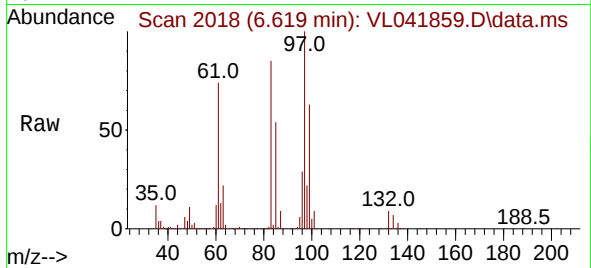




#47
1,1,2-Trichloroethane
Concen: 10.228 ppbv
RT: 6.619 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

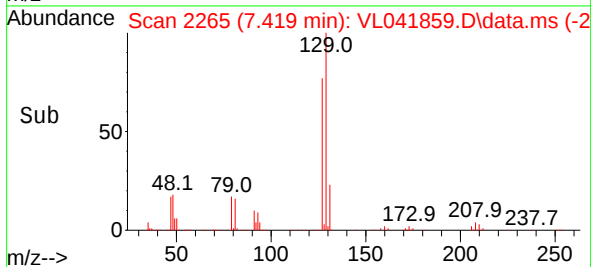
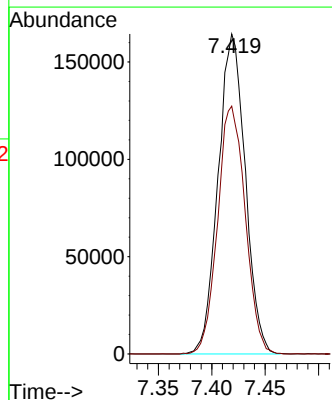
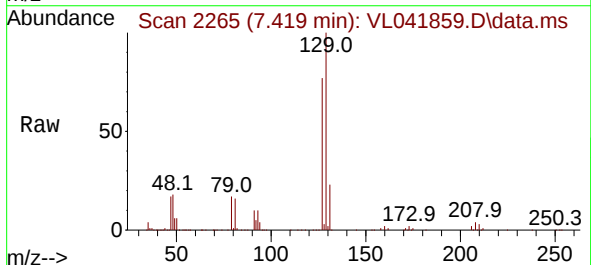
Instrument :
MSVOA_L
ClientSampleId :

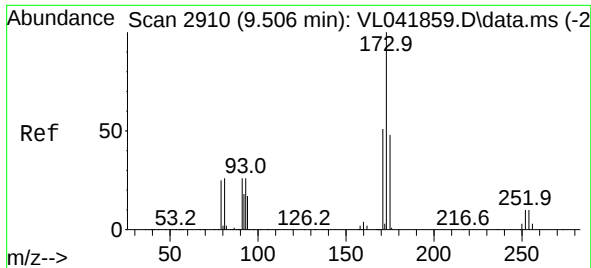
Tgt Ion: 97 Resp: 176811
Ion Ratio Lower Upper
97 100
83 85.1 68.1 102.1
85 54.3 43.4 65.2
99 62.6 50.1 75.1



#48
Dibromochloromethane
Concen: 13.195 ppbv
RT: 7.419 min Scan# 2265
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 129 Resp: 290737
Ion Ratio Lower Upper
129 100
127 78.7 39.4 118.1

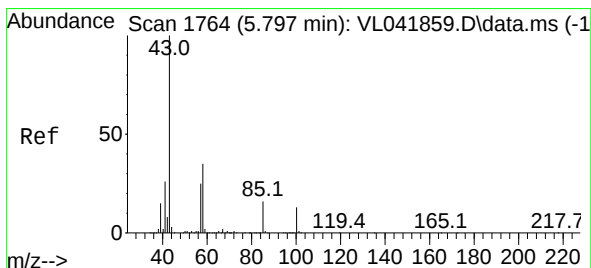
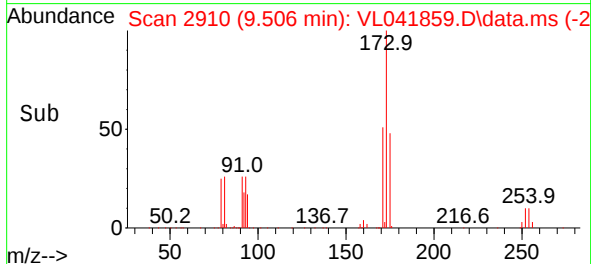
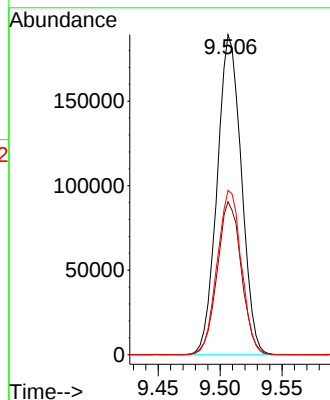
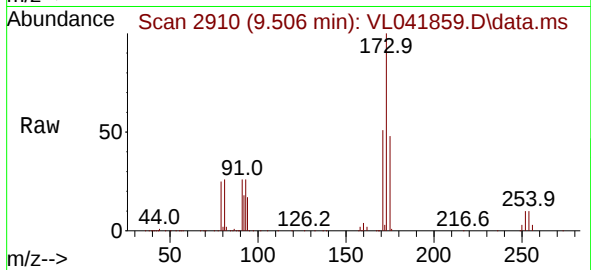




#49
Bromoform
Concen: 14.609 ppbv
RT: 9.506 min Scan# 2910
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

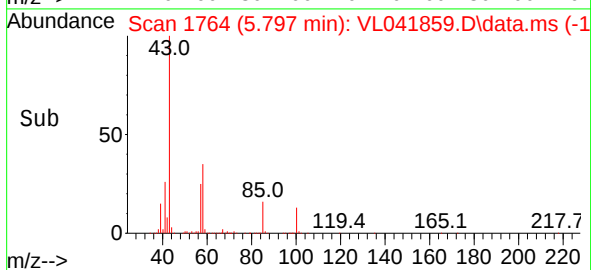
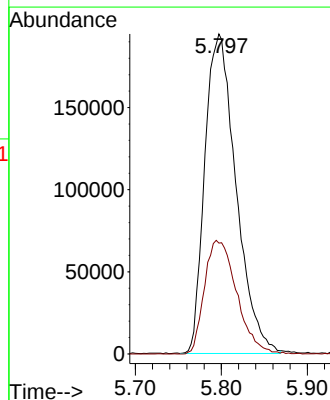
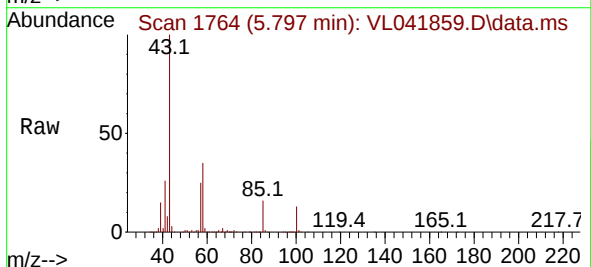
Instrument :
MSVOA_L
ClientSampleId :

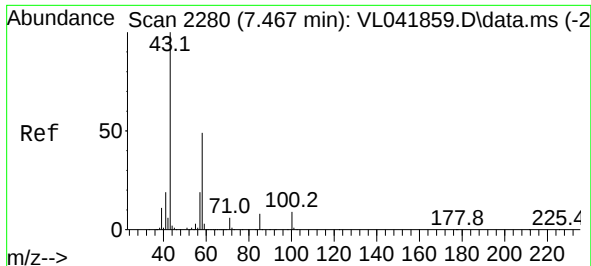
Tgt Ion:173 Resp: 257972
Ion Ratio Lower Upper
173 100
175 47.7 38.2 57.2
171 51.6 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 12.157 ppbv
RT: 5.797 min Scan# 1764
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 43 Resp: 490478
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.2

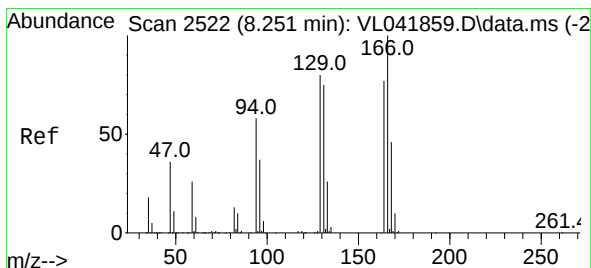
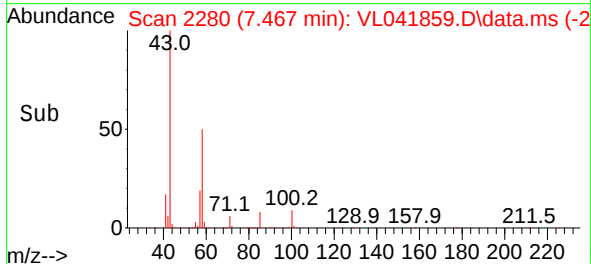
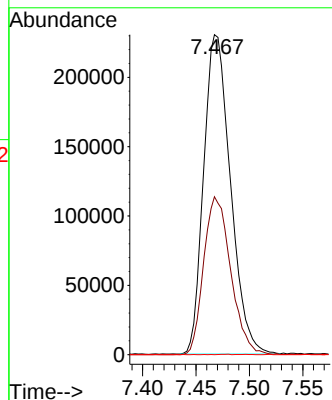
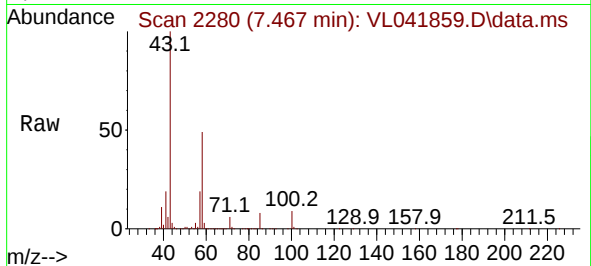




#51
2-Hexanone
Concen: 13.184 ppbv
RT: 7.467 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

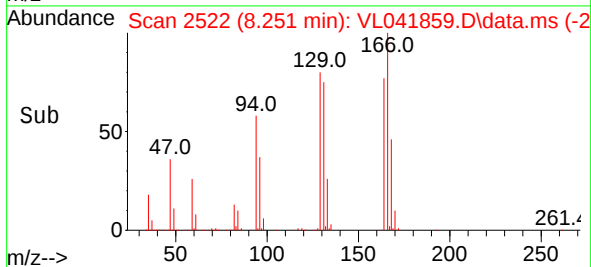
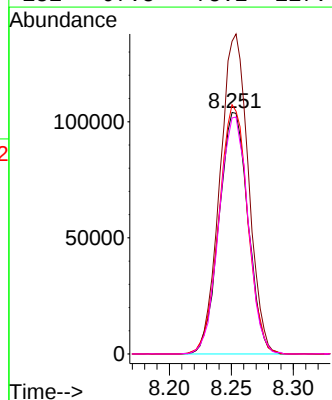
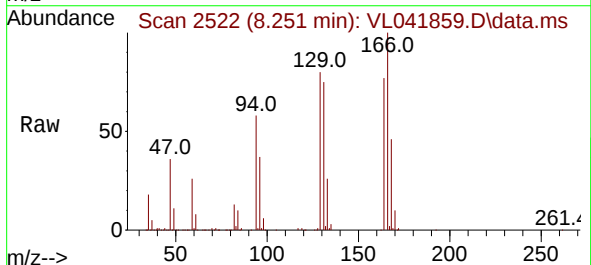
Instrument :
MSVOA_L
ClientSampleId :

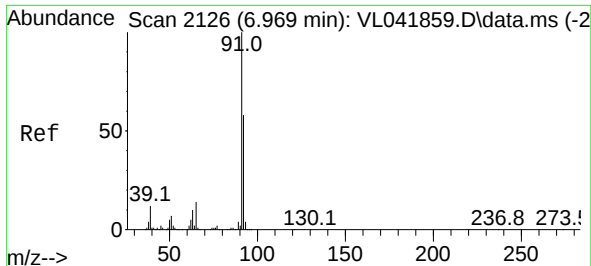
Tgt Ion: 43 Resp: 402499
Ion Ratio Lower Upper
43 100
58 49.9 40.0 60.0
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 13.437 ppbv
RT: 8.251 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion:164 Resp: 168568
Ion Ratio Lower Upper
164 100
166 129.5 103.6 155.4
129 103.2 82.6 123.8
131 97.8 78.2 117.4





#53

Toluene

Concen: 15.259 ppbv

RT: 6.969 min Scan# 2126

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

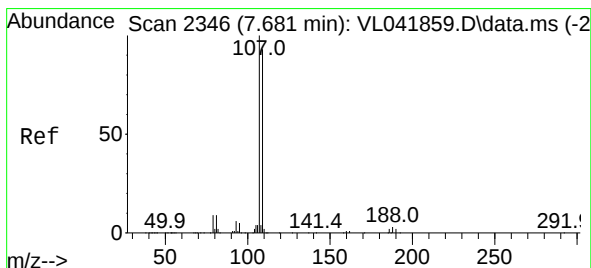
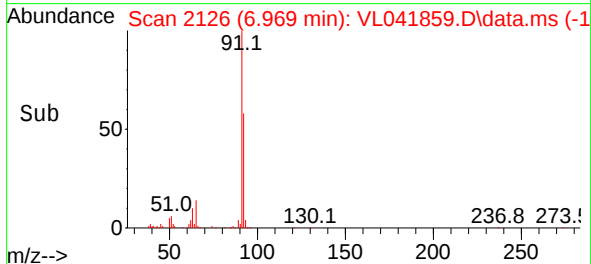
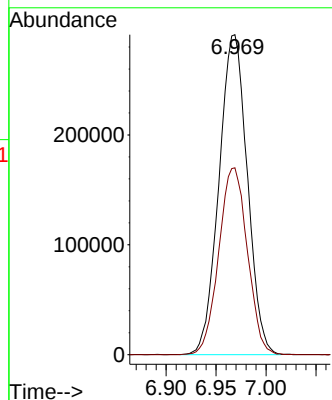
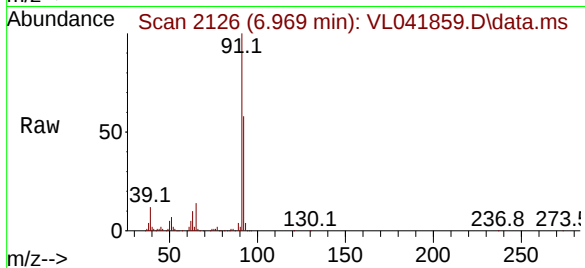
ClientSampleId :

Tgt Ion: 91 Resp: 574578

Ion Ratio Lower Upper

91 100

92 59.0 47.2 70.8



#54

1,2-Dibromoethane

Concen: 11.739 ppbv

RT: 7.681 min Scan# 2346

Delta R.T. 0.000 min

Lab File: VL041859.D

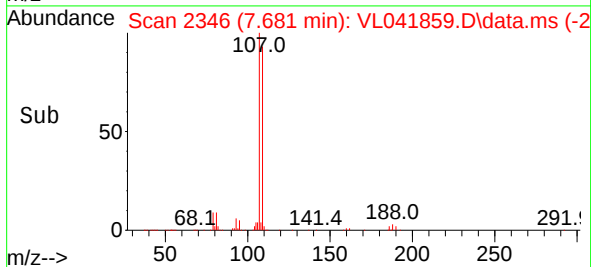
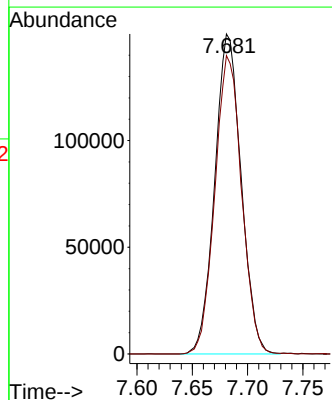
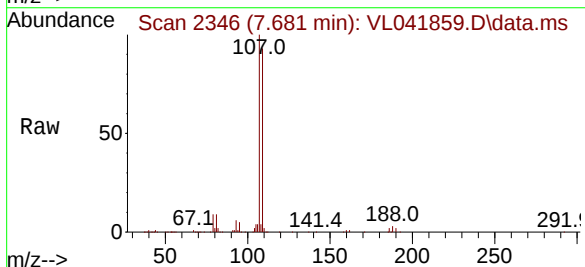
Acq: 09 Jan 2025 11:19

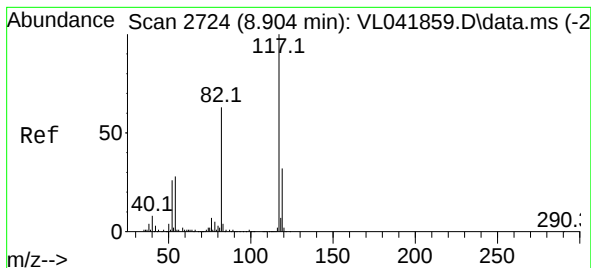
Tgt Ion: 107 Resp: 248821

Ion Ratio Lower Upper

107 100

109 93.3 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

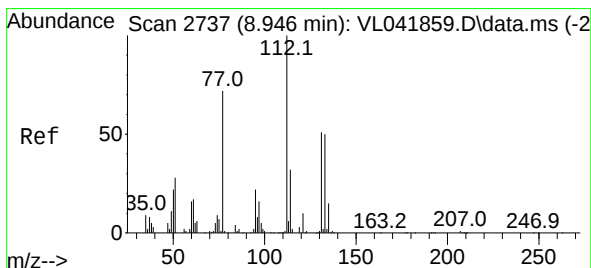
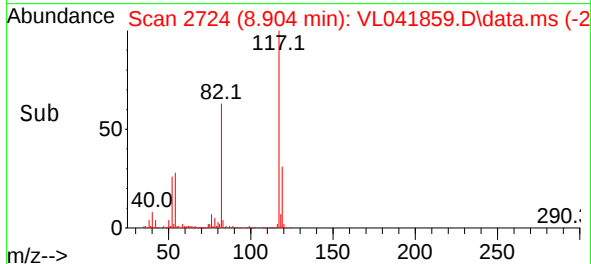
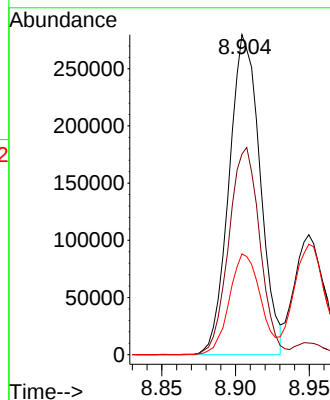
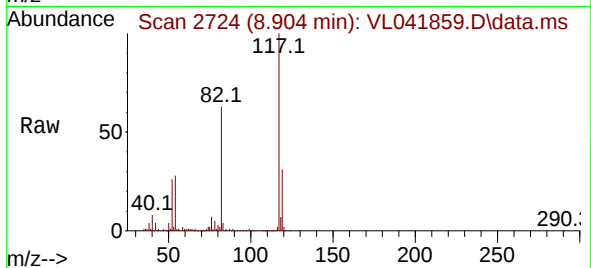
Tgt Ion:117 Resp: 410499

Ion Ratio Lower Upper

117 100

82 68.1 54.5 81.7

119 32.2 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 9.592 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

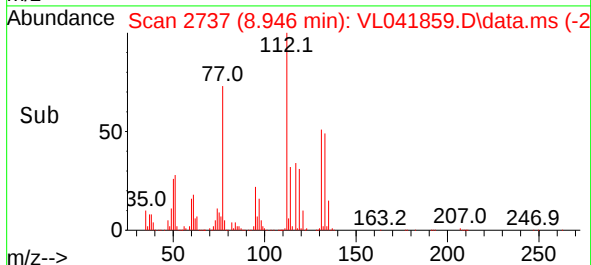
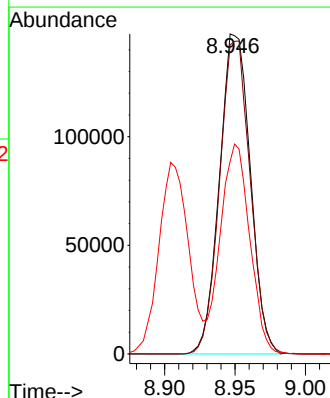
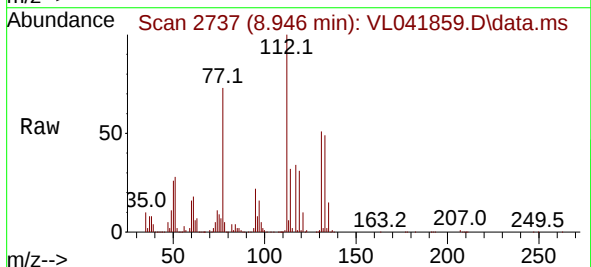
Tgt Ion:131 Resp: 224424

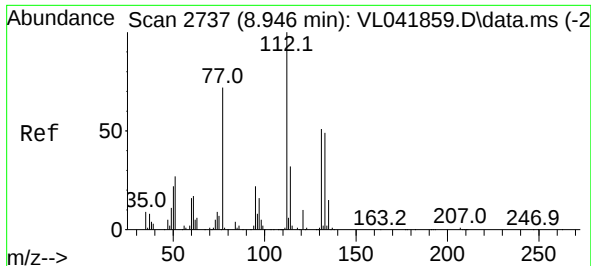
Ion Ratio Lower Upper

131 100

133 96.8 77.4 116.2

119 64.4 49.4 74.0





#57

Chlorobenzene

Concen: 9.725 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

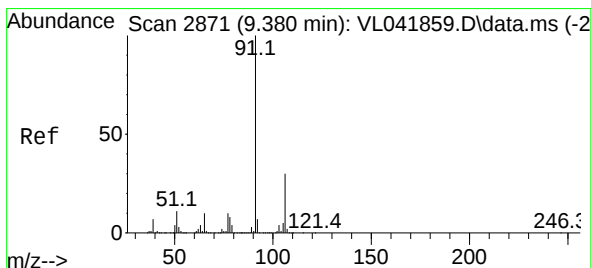
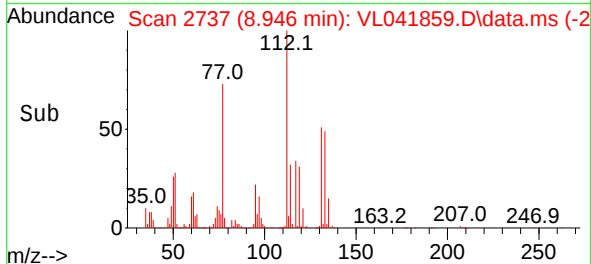
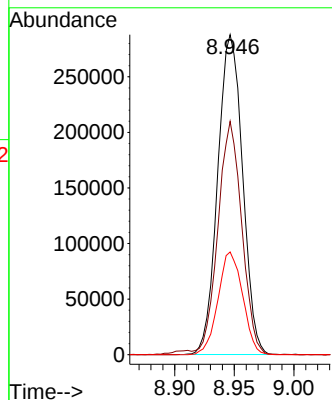
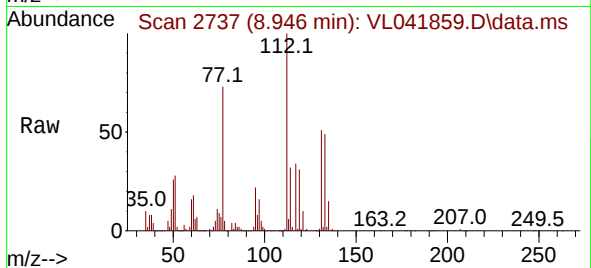
Tgt Ion:112 Resp: 417085

Ion Ratio Lower Upper

112 100

77 72.9 58.3 87.5

114 32.1 28.9 35.3



#58

Ethyl Benzene

Concen: 13.992 ppbv

RT: 9.380 min Scan# 2871

Delta R.T. 0.000 min

Lab File: VL041859.D

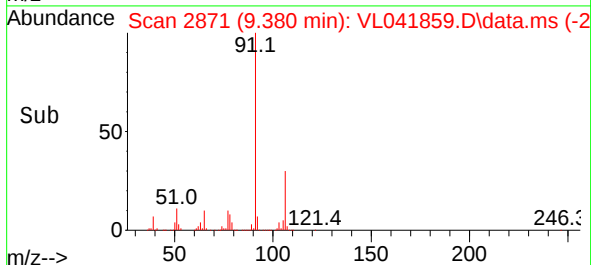
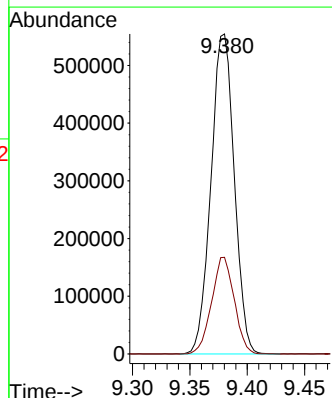
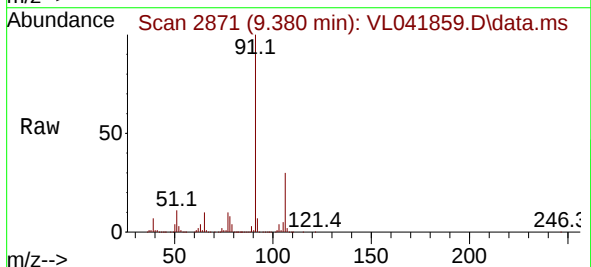
Acq: 09 Jan 2025 11:19

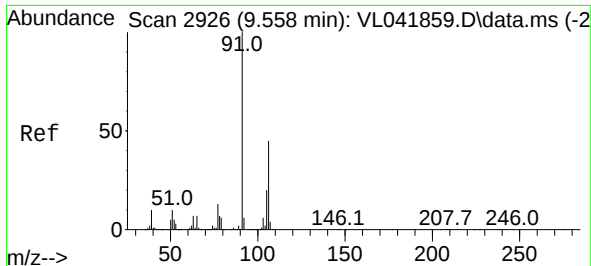
Tgt Ion: 91 Resp: 782806

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.2





#59

m/p-Xylene

Concen: 12.895 ppbv

RT: 9.558 min Scan# 2926

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

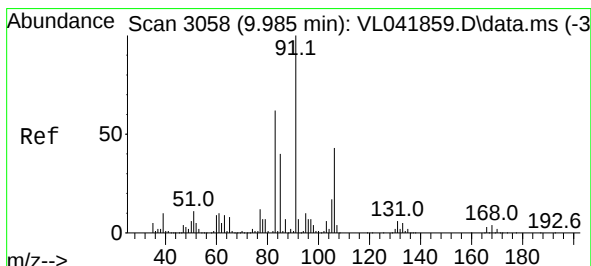
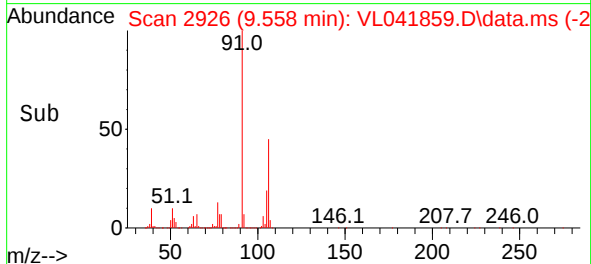
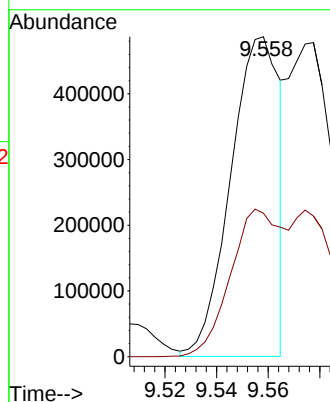
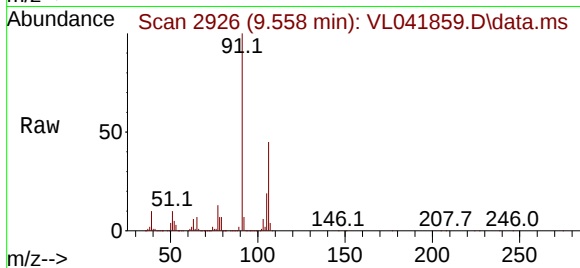
ClientSampleId :

Tgt Ion: 91 Resp: 635601

Ion Ratio Lower Upper

91 100

106 88.7 0.0 0.0#



#60

o-Xylene

Concen: 12.598 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. 0.000 min

Lab File: VL041859.D

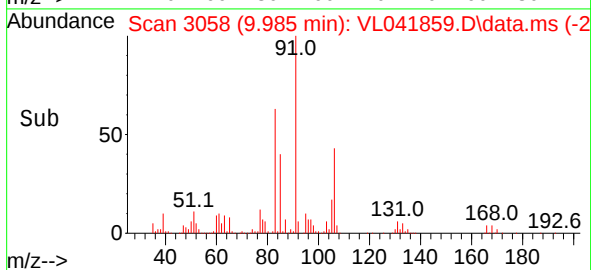
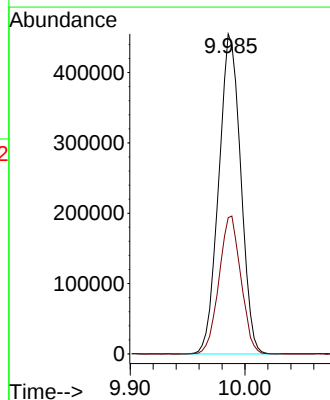
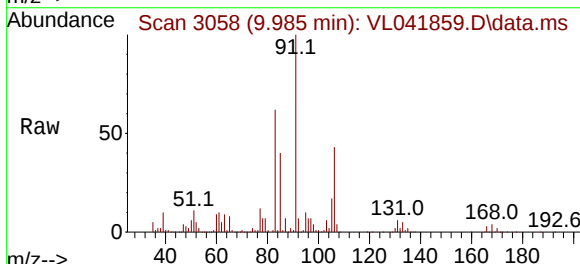
Acq: 09 Jan 2025 11:19

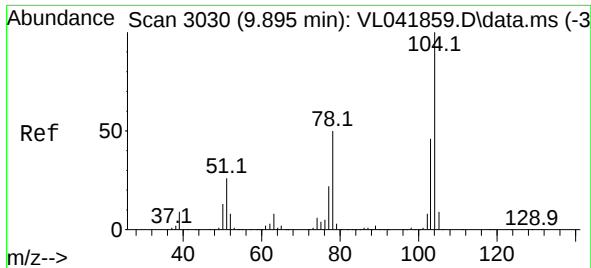
Tgt Ion: 91 Resp: 605176

Ion Ratio Lower Upper

91 100

106 42.9 21.4 64.3

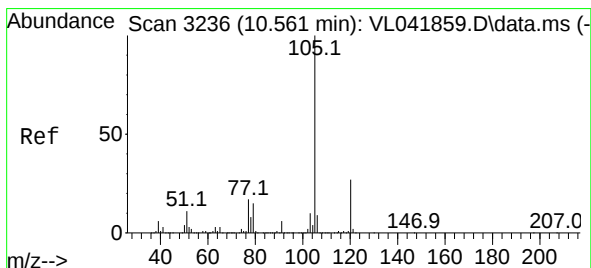
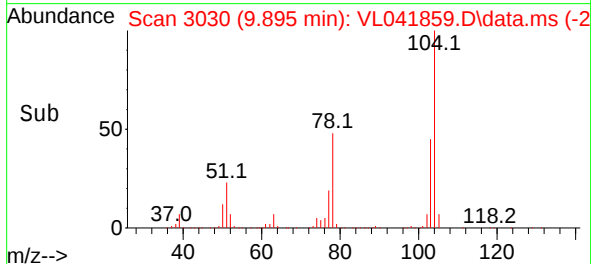
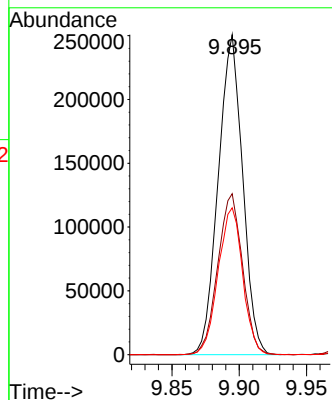
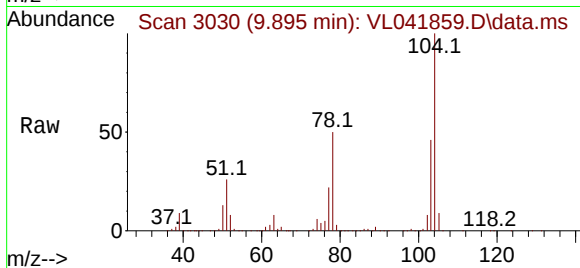




#61
Styrene
Concen: 16.935 ppbv
RT: 9.895 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

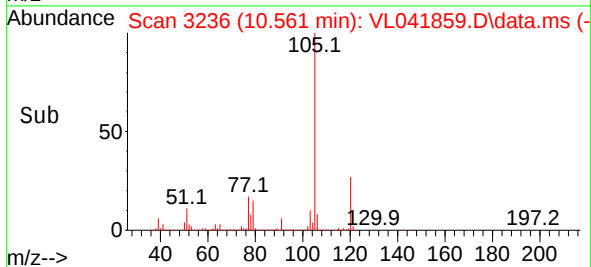
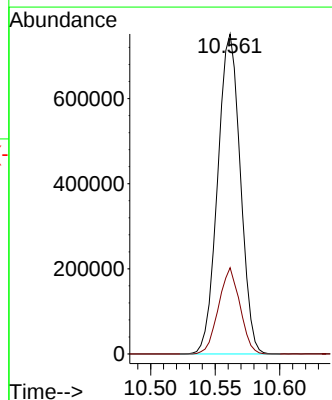
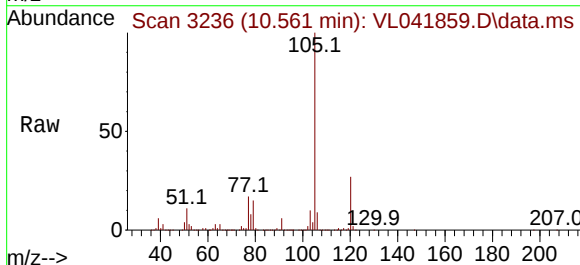
Instrument :
MSVOA_L
ClientSampleId :

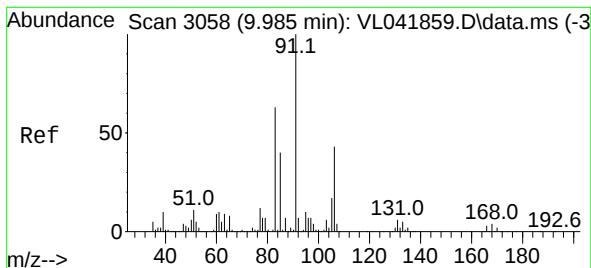
Tgt Ion:104 Resp: 315614
Ion Ratio Lower Upper
104 100
78 50.9 40.7 61.1
103 46.3 37.0 55.6



#62
Isopropylbenzene
Concen: 12.133 ppbv
RT: 10.561 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion:105 Resp: 915687
Ion Ratio Lower Upper
105 100
120 25.4 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 8.601 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

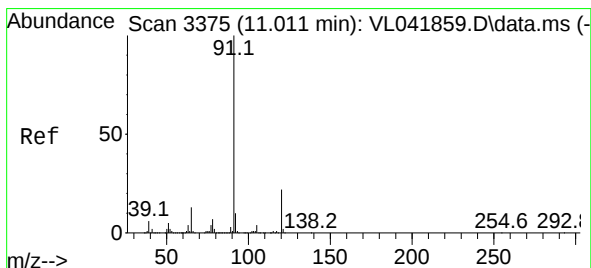
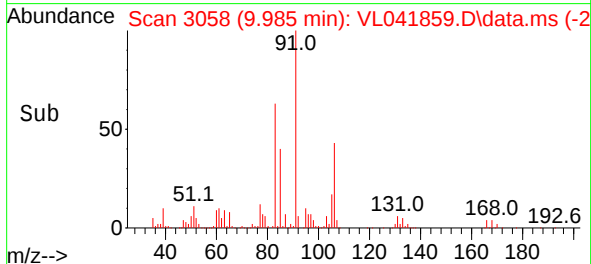
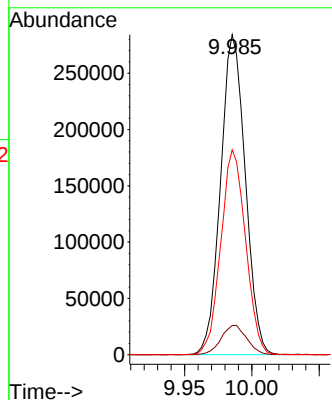
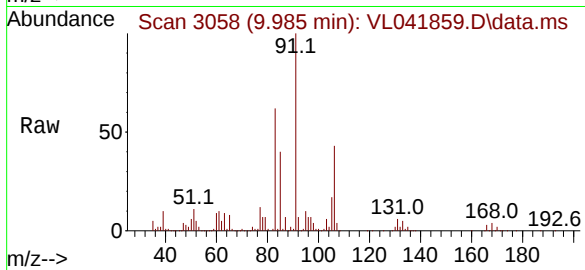
Tgt Ion: 83 Resp: 362310

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 64.2 32.1 96.3



#64

n-propylbenzene

Concen: 12.148 ppbv

RT: 11.011 min Scan# 3375

Delta R.T. 0.000 min

Lab File: VL041859.D

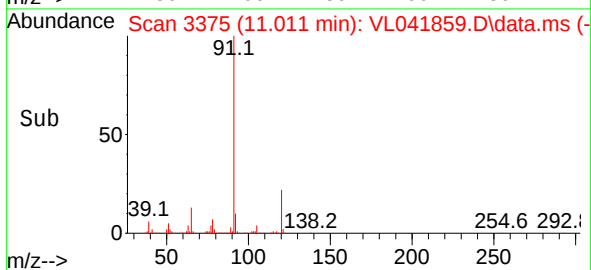
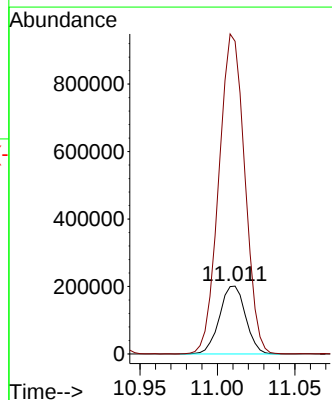
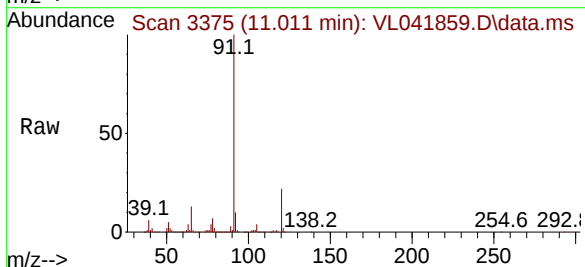
Acq: 09 Jan 2025 11:19

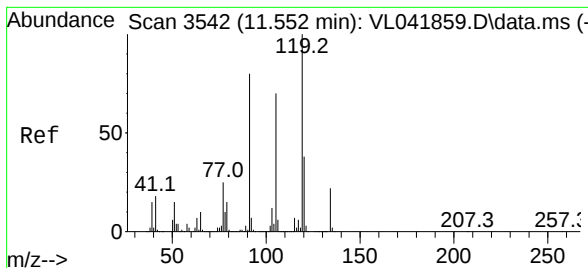
Tgt Ion:120 Resp: 235202

Ion Ratio Lower Upper

120 100

91 469.8 376.9 565.3





#65

tert-Butylbenzene

Concen: 11.792 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

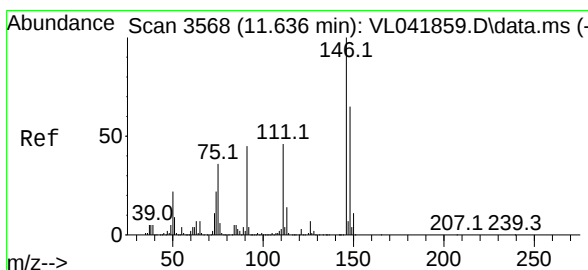
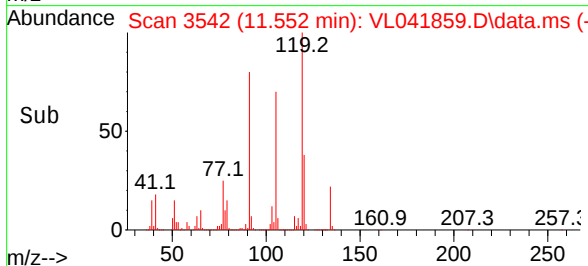
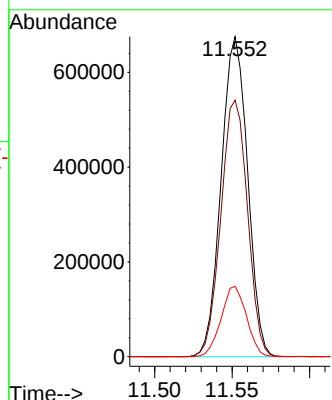
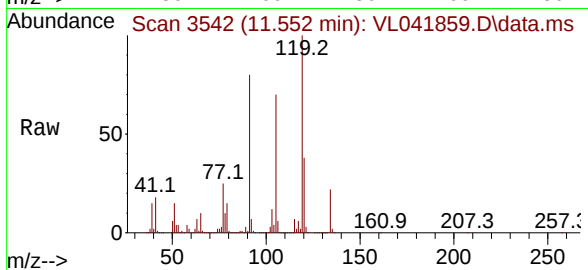
Tgt Ion:119 Resp: 801987

Ion Ratio Lower Upper

119 100

91 80.8 64.6 97.0

134 21.1 16.9 25.3



#66

Benzyl Chloride

Concen: 15.476 ppbv

RT: 11.636 min Scan# 3568

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

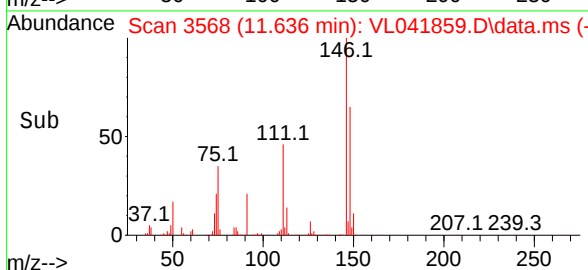
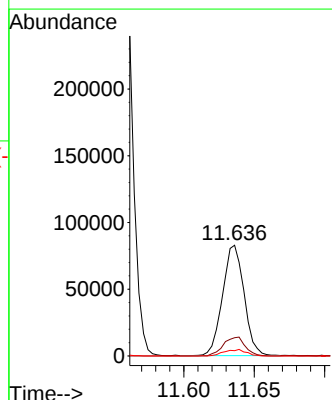
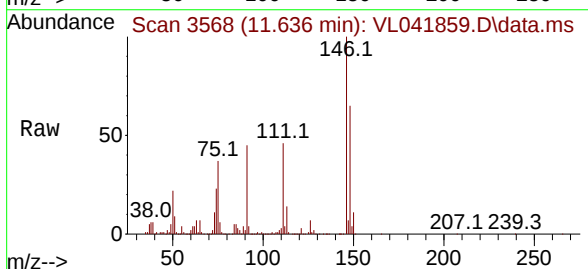
Tgt Ion: 91 Resp: 88168

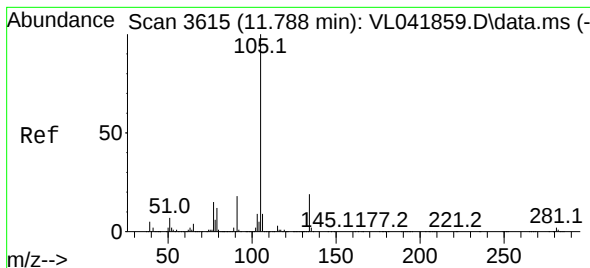
Ion Ratio Lower Upper

91 100

126 17.4 13.9 20.9

128 6.0 4.8 7.2





#67

sec-Butylbenzene

Concen: 11.087 ppbv

RT: 11.788 min Scan# 3615

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

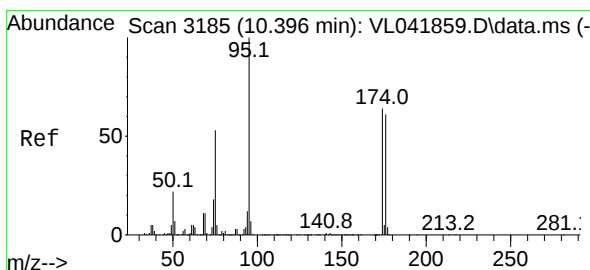
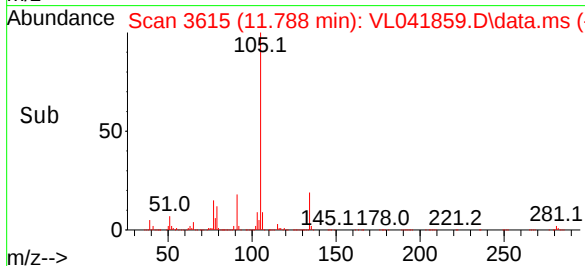
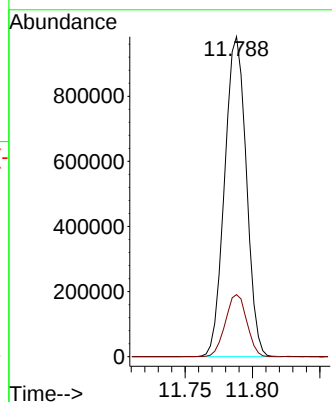
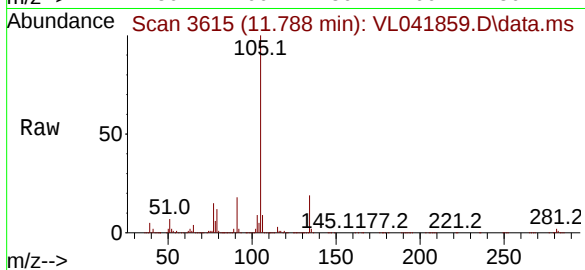
ClientSampleId :

Tgt Ion:105 Resp: 1100240

Ion Ratio Lower Upper

105 100

134 19.3 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 9.353 ppbv

RT: 10.396 min Scan# 3185

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

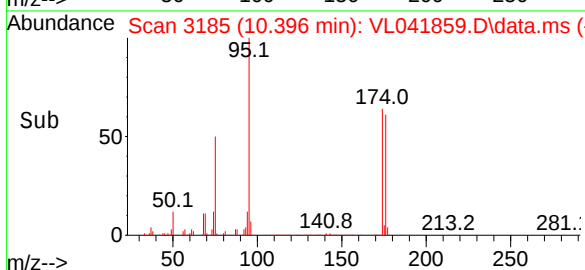
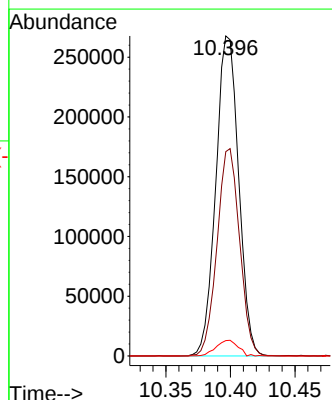
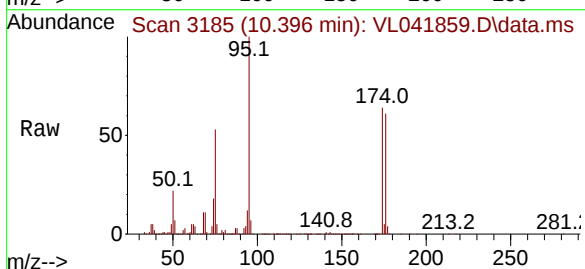
Tgt Ion: 95 Resp: 328846

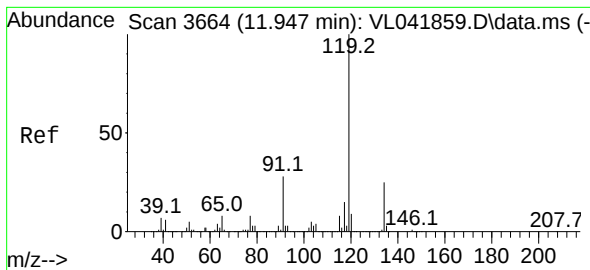
Ion Ratio Lower Upper

95 100

174 63.9 51.1 76.7

175 4.8 3.8 5.8

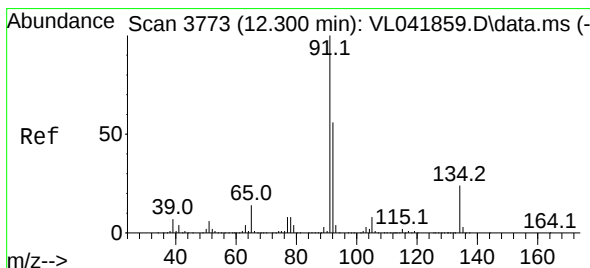
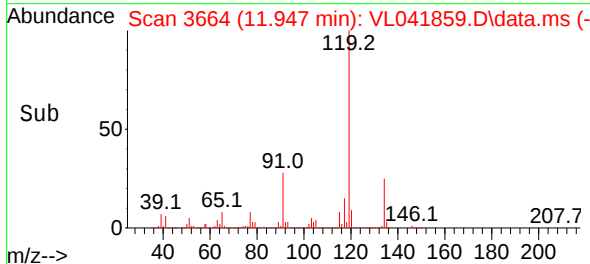
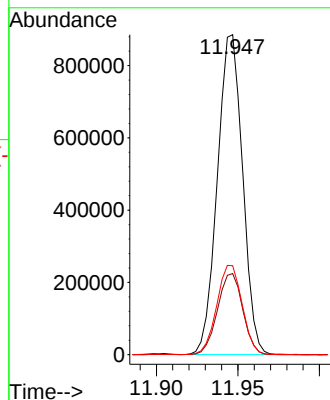
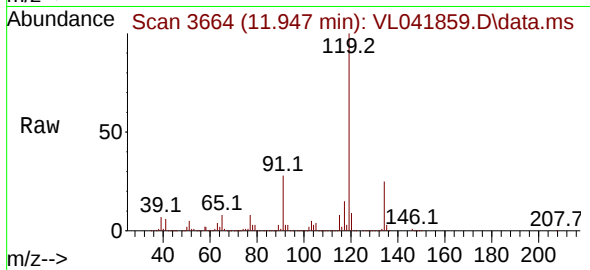




#69
p-Isopropyltoluene
Concen: 12.230 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

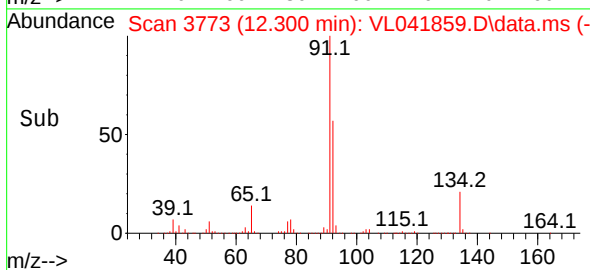
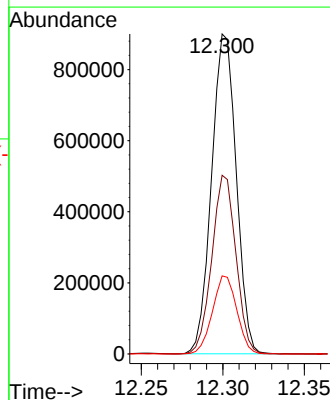
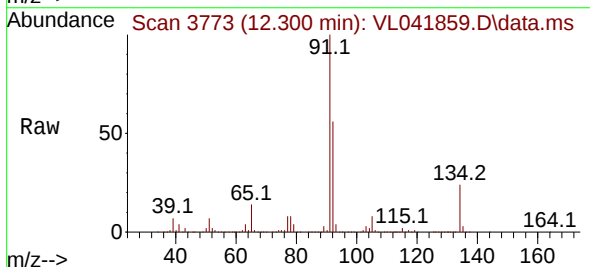
Instrument :
MSVOA_L
ClientSampleId :

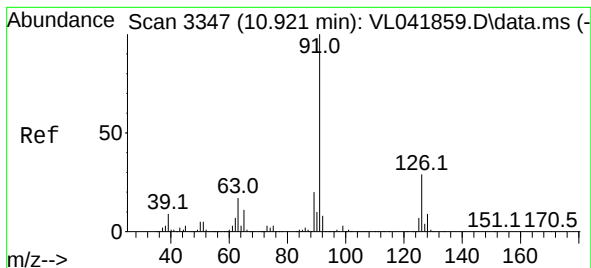
Tgt Ion:119 Resp: 952865
Ion Ratio Lower Upper
119 100
134 25.4 20.3 30.5
91 28.2 22.6 34.0



#70
n-Butylbenzene
Concen: 12.097 ppbv
RT: 12.300 min Scan# 3773
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 91 Resp: 946867
Ion Ratio Lower Upper
91 100
92 54.8 43.8 65.8
134 24.1 19.3 28.9

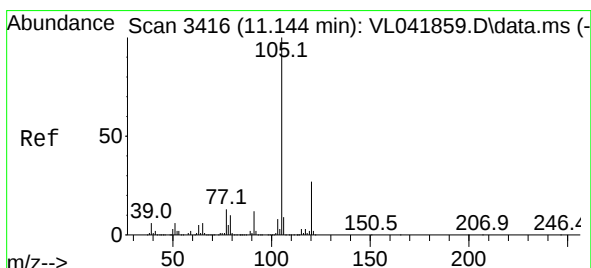
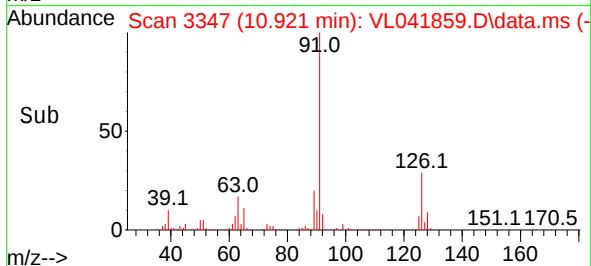
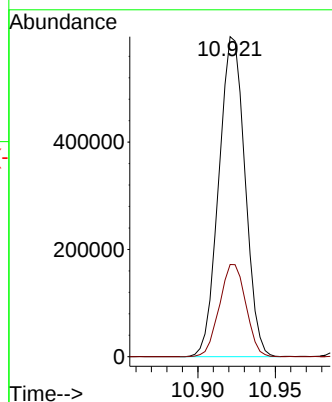
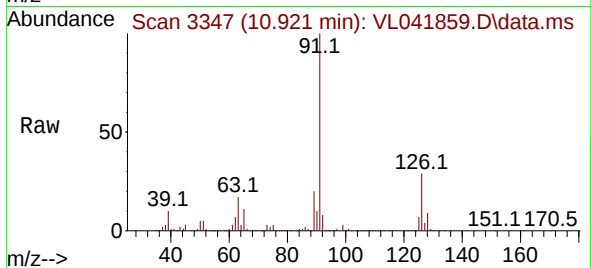




#71
2-Chlorotoluene
Concen: 12.787 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

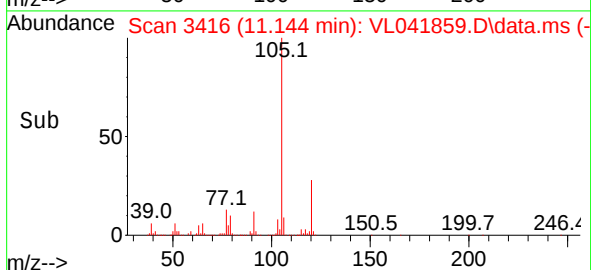
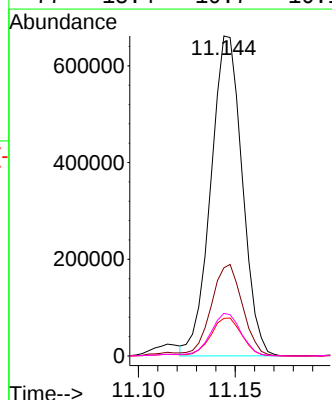
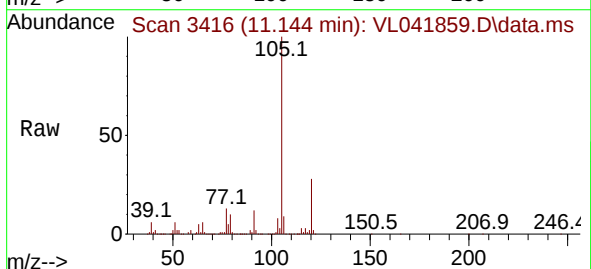
Instrument :
MSVOA_L
ClientSampleId :

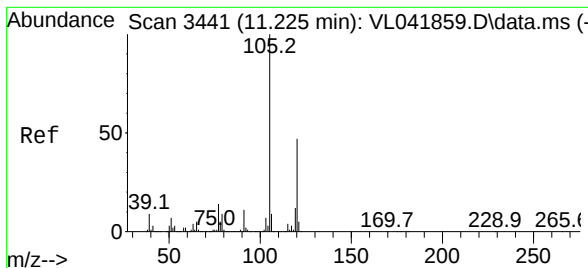
Tgt Ion: 91 Resp: 700520
Ion Ratio Lower Upper
91 100
126 29.1 11.6 46.6



#72
4-Ethyltoluene
Concen: 12.837 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion:105 Resp: 745709
Ion Ratio Lower Upper
105 100
120 29.4 23.5 35.3
91 12.3 9.8 14.8
77 13.4 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 12.361 ppbv

RT: 11.225 min Scan# 3441

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

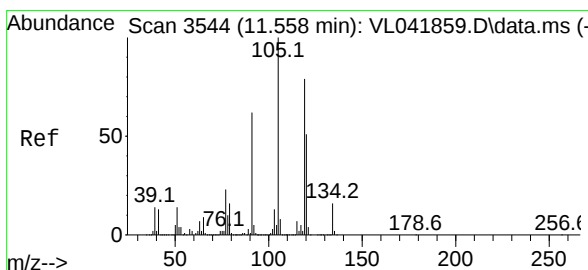
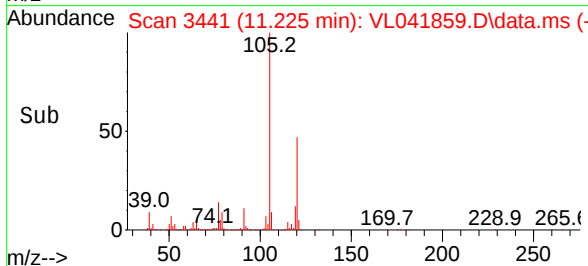
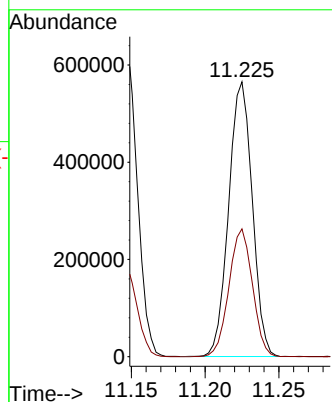
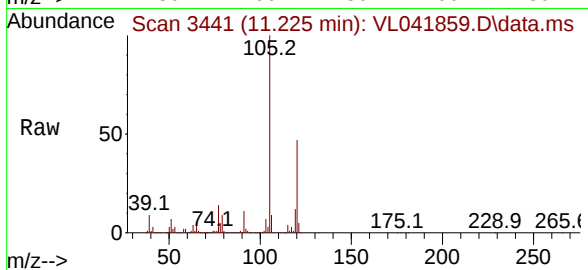
ClientSampleId :

Tgt Ion:105 Resp: 628921

Ion Ratio Lower Upper

105 100

120 46.5 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 11.261 ppbv

RT: 11.558 min Scan# 3544

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Tgt Ion:105 Resp: 663696

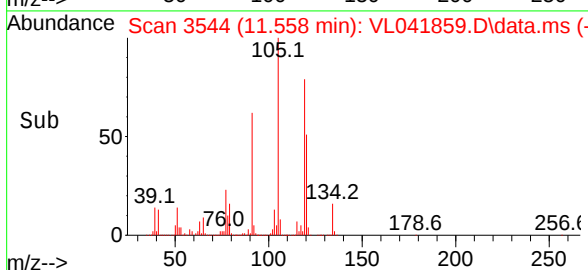
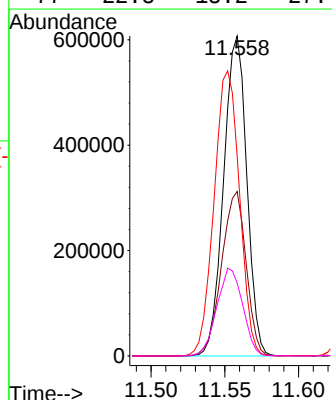
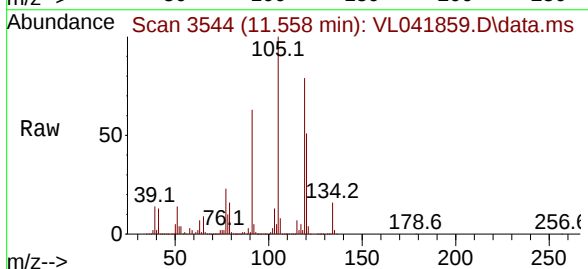
Ion Ratio Lower Upper

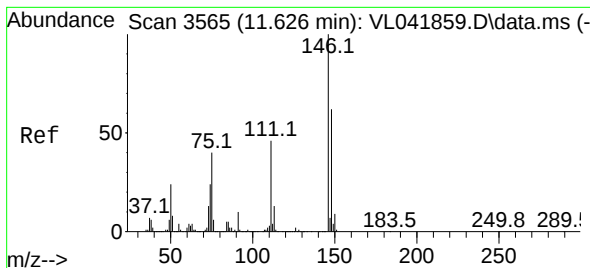
105 100

120 51.4 41.1 61.7

91 62.5 50.0 75.0

77 22.8 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 10.056 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_1

ClientSampleId :

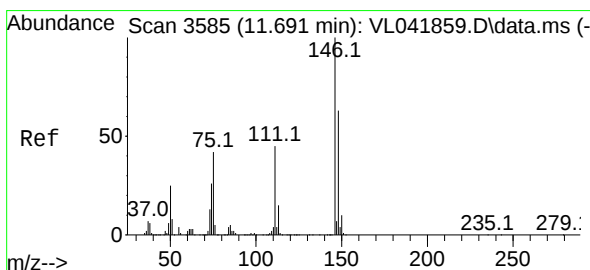
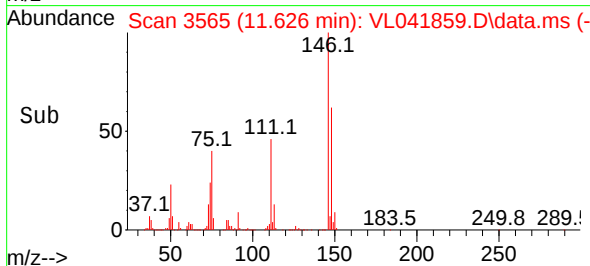
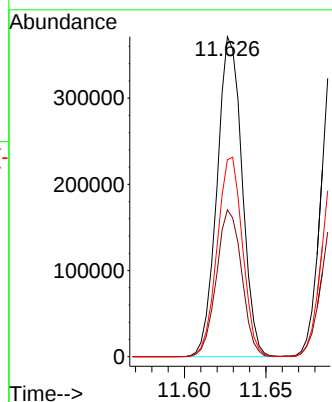
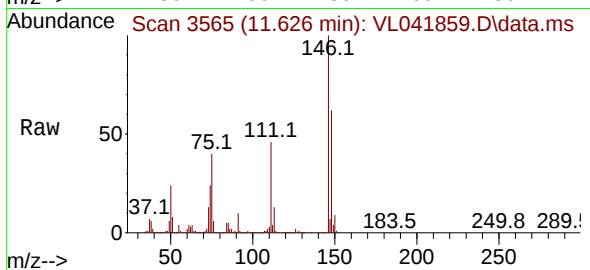
Tgt Ion:146 Resp: 396672

Ion Ratio Lower Upper

146 100

111 46.3 23.2 69.5

148 63.1 31.6 94.7



#76

1,4-Dichlorobenzene

Concen: 10.448 ppbv

RT: 11.691 min Scan# 3585

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

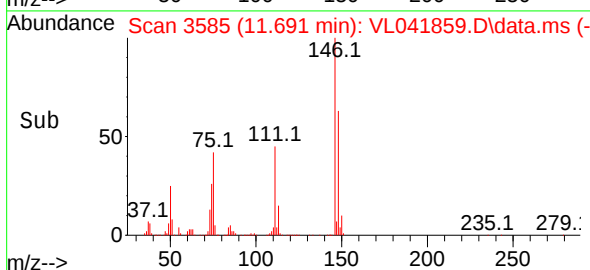
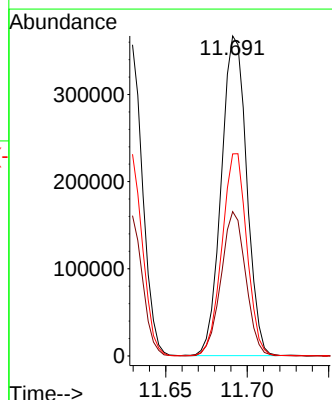
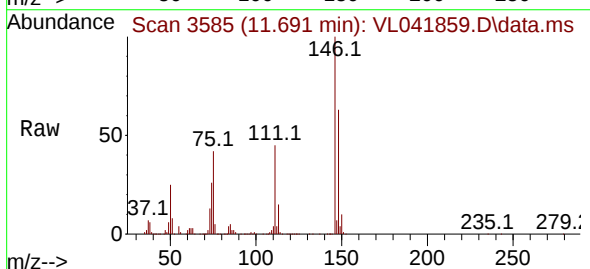
Tgt Ion:146 Resp: 396593

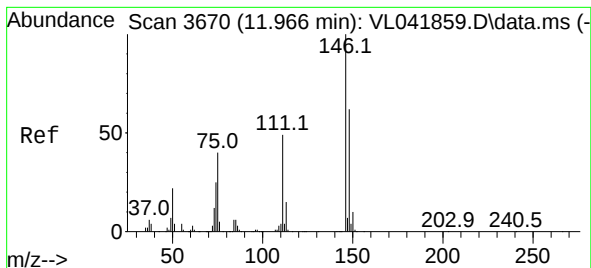
Ion Ratio Lower Upper

146 100

111 44.1 22.1 66.1

148 62.4 31.2 93.6





#77

1,2-Dichlorobenzene

Concen: 9.138 ppbv

RT: 11.966 min Scan# 3670

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

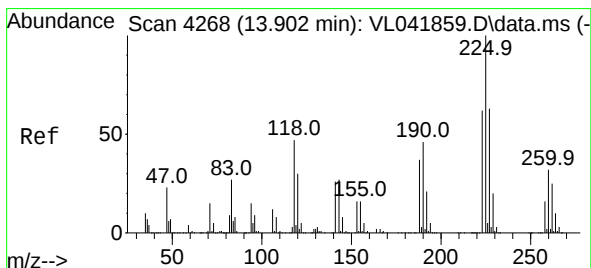
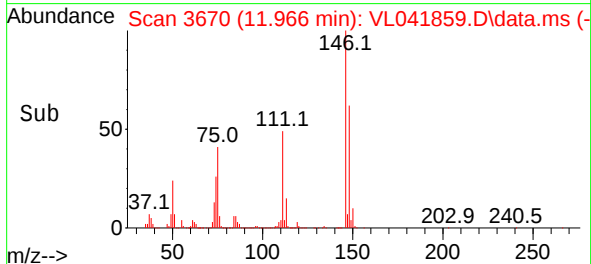
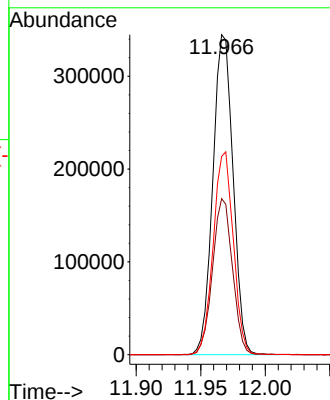
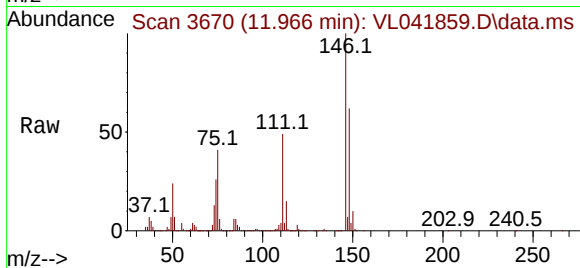
Tgt Ion:146 Resp: 375622

Ion Ratio Lower Upper

146 100

111 48.2 24.1 72.3

148 63.0 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 10.050 ppbv

RT: 13.902 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

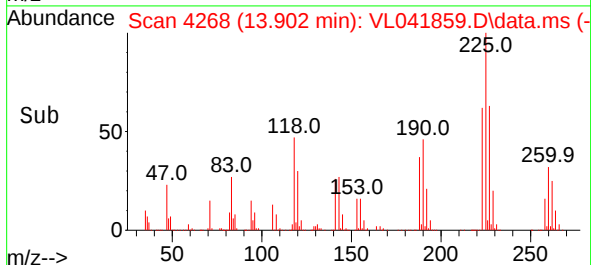
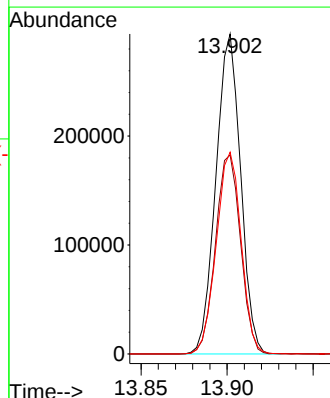
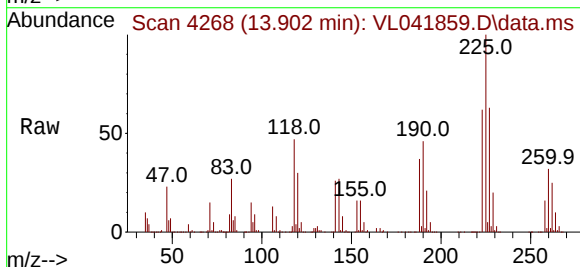
Tgt Ion:225 Resp: 293286

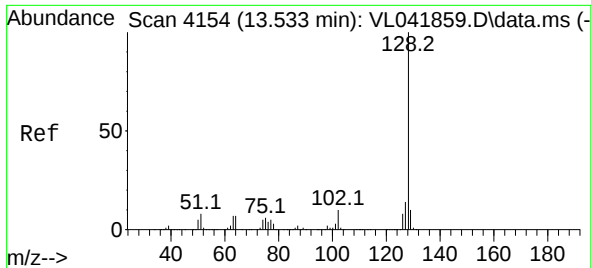
Ion Ratio Lower Upper

225 100

223 63.2 50.6 75.8

227 63.6 50.9 76.3

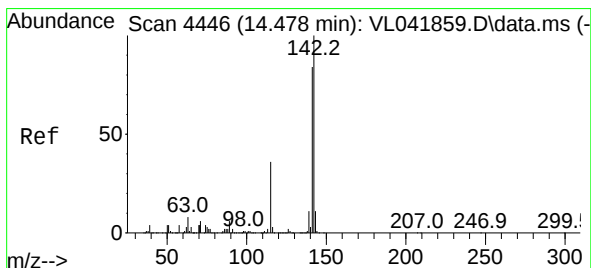
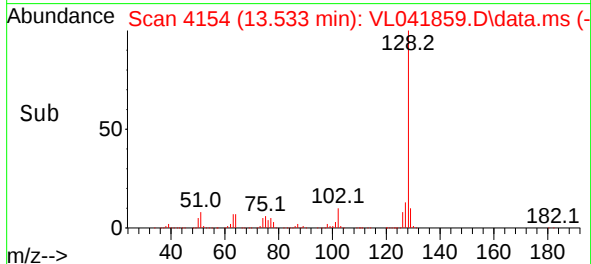
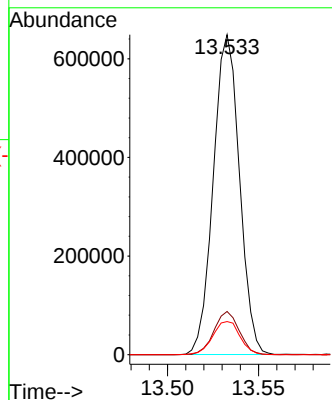
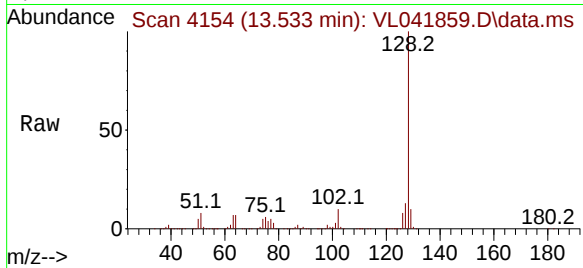




#79
Naphthalene
Concen: 14.936 ppbv
RT: 13.533 min Scan# 4154
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

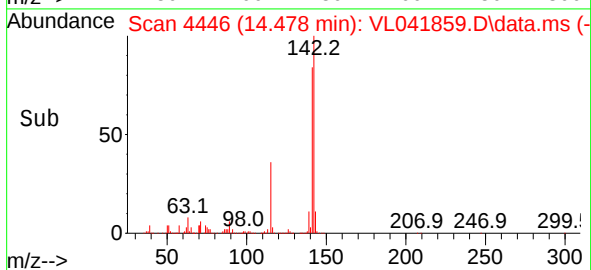
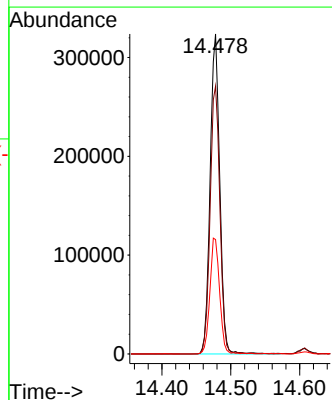
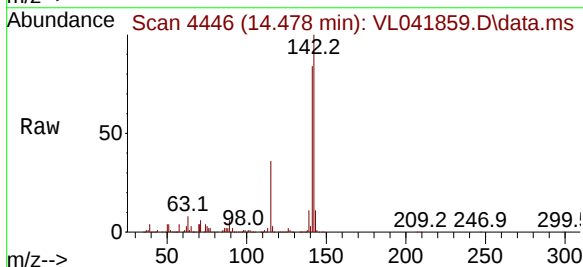
Instrument :
MSVOA_L
ClientSampleId :

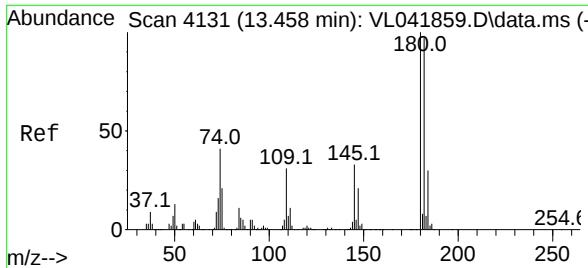
Tgt Ion:128 Resp: 648444
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 10.3 8.2 12.4



#80
Naphthalene, 2-methyl-
Concen: 19.482 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

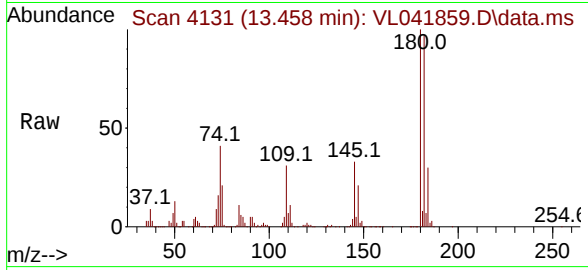
Tgt Ion:142 Resp: 313057
Ion Ratio Lower Upper
142 100
141 85.3 68.2 102.4
115 36.8 29.4 44.2





#81
 1,2,4-Trichlorobenzene
 Concen: 13.033 ppbv
 RT: 13.458 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	180	Resp:	313601
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.8	113.8
184	30.2	24.1	36.1

