

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021725\
 Data File : VL042024.D
 Acq On : 17 Feb 2025 11:08
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 18 00:13:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 18 00:13:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	88600	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	260361	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	240027	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	199503	10.076	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	155321	10.183	ppbv	98
3) Chlorodifluoromethane	1.479	51	173560	10.293	ppbv	100
4) Chloromethane	1.537	50	61603	10.393	ppbv	99
5) Vinyl Chloride	1.586	62	58701	8.282	ppbv	99
6) Bromomethane	1.673	94	26334	9.585	ppbv	99
7) Chloroethane	1.709	64	24121	10.442	ppbv	91
8) Dichlorotetrafluoroethane	1.560	85	128752	9.596	ppbv	99
9) Propene	1.489	41	72533	9.978	ppbv	99
10) Heptane	5.004	43	201911	10.002	ppbv	98
11) Trichlorofluoromethane	1.884	101	146204	9.525	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.149	101	115347	9.637	ppbv	98
13) Ethanol	1.728	45	4039	4.926	ppbv	81
14) Bromoethene	1.787	108	43492	9.730	ppbv	98
15) Acetone	1.842	43	127257	8.702	ppbv	98
16) 1,3-Butadiene	1.615	39	64270	9.264	ppbv	99
17) tert-Butyl alcohol	2.049	59	165785	9.162	ppbv	99
18) 1,1-Dichloroethene	2.042	96	52008	9.092	ppbv	93
19) Isopropyl Alcohol	1.894	45	75932	9.260	ppbv	100
20) Methylene Chloride	2.068	84	43727	7.943	ppbv	89
21) Allyl Chloride	2.104	41	95432	9.013	ppbv	97
22) trans-1,2-Dichloroethene	2.350	96	60001	9.666	ppbv	94
23) Vinyl Acetate	2.473	43	80197	10.127	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	121953	9.677	ppbv	99
25) Ethyl Acetate	2.848	43	398214	9.921	ppbv	100
26) Hexane	2.839	57	161240	10.010	ppbv	98
27) Carbon Disulfide	2.159	76	147039	9.706	ppbv	98
28) Methyl tert-Butyl Ether	2.453	73	106814	10.848	ppbv	100
29) Chloroform	2.861	83	236454	10.136	ppbv	100
30) Cyclohexane	3.874	84	145428	11.130	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	162559	10.211	ppbv	95
32) 1,1,1-Trichloroethane	3.382	97	254966	9.855	ppbv	98
34) 2-Butanone	2.570	43	228660	10.208	ppbv	100
35) Carbon Tetrachloride	3.780	117	251812	9.960	ppbv	97
36) Benzene	3.674	78	328598	10.419	ppbv	99
37) 1,2-Dichloroethane	3.233	62	186339	10.379	ppbv	100
38) Trichloroethene	4.567	130	69051	5.389	ppbv	93
39) 1,2-Dichloropropane	4.334	63	117952	10.201	ppbv	99
40) 1,4-Dioxane	4.609	88	58638	9.746	ppbv #	78
41) Tetrahydrofuran	3.068	42	132821	10.376	ppbv	99
42) Bromodichloromethane	4.515	83	270649	11.127	ppbv	95
43) Methyl Methacrylate	4.904	69	135079	9.395	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	554260	10.352	ppbv	99
45) t-1,3-Dichloropropene	6.444	75	145860	10.747	ppbv #	87

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021725\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

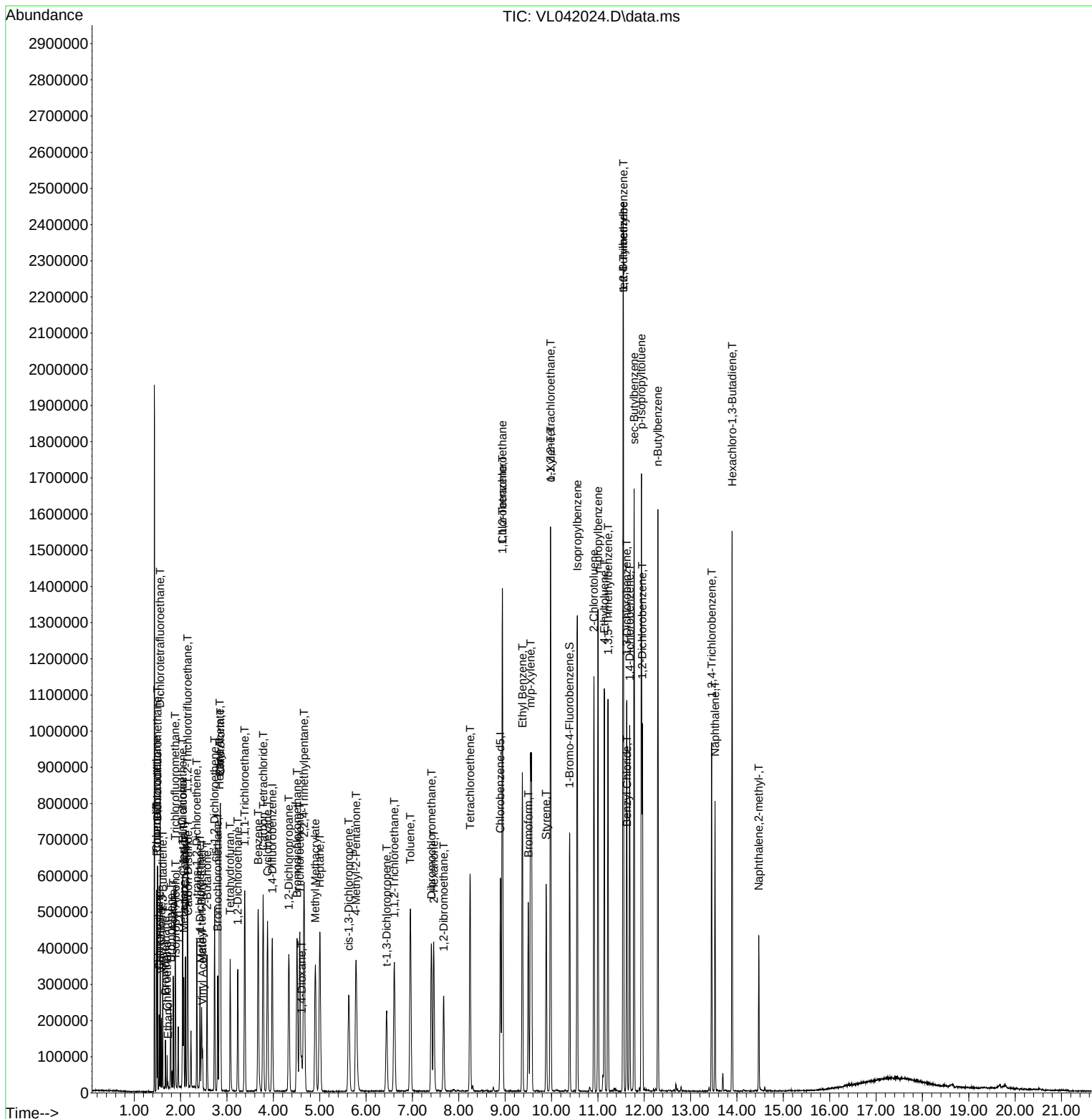
Instrument :
 MSVOA_L
 ClientSampleId :

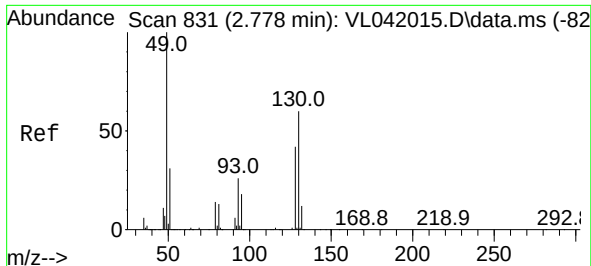
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 18 00:13:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	183549	10.659	ppbv	99
47) 1,1,2-Trichloroethane	6.609	97	125832	10.341	ppbv	97
48) Dibromochloromethane	7.409	129	217563	10.675	ppbv	100
49) Bromoform	9.500	173	177016	10.589	ppbv	100
50) 4-Methyl-2-Pentanone	5.784	43	342005	9.935	ppbv	99
51) 2-Hexanone	7.461	43	278375	9.887	ppbv #	99
52) Tetrachloroethene	8.244	164	105689	9.608	ppbv	96
53) Toluene	6.956	91	389342	10.360	ppbv	99
54) 1,2-Dibromoethane	7.674	107	173135	10.334	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.943	131	160688	9.353	ppbv	99
57) Chlorobenzene	8.940	112	277334	9.822	ppbv	96
58) Ethyl Benzene	9.370	91	535583	10.195	ppbv	99
59) m/p-Xylene	9.548	91	449223	10.857	ppbv #	31
60) o-Xylene	9.979	91	415053	9.918	ppbv	98
61) Styrene	9.885	104	200116	10.028	ppbv	99
62) Isopropylbenzene	10.555	105	621783	9.897	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	250914	9.293	ppbv	100
64) n-propylbenzene	11.005	120	149691	9.697	ppbv	96
65) tert-Butylbenzene	11.545	119	534319	9.756	ppbv	98
66) Benzyl Chloride	11.629	91	55792	10.162	ppbv	99
67) sec-Butylbenzene	11.781	105	751459	9.768	ppbv	99
69) p-Isopropyltoluene	11.940	119	600772	9.540	ppbv	98
70) n-Butylbenzene	12.293	91	612046	9.866	ppbv	99
71) 2-Chlorotoluene	10.914	91	469585	9.925	ppbv	100
72) 4-Ethyltoluene	11.137	105	490569	10.006	ppbv	99
73) 1,3,5-Trimethylbenzene	11.218	105	423504	10.014	ppbv	96
74) 1,2,4-Trimethylbenzene	11.552	105	440938	9.714	ppbv	99
75) 1,3-Dichlorobenzene	11.623	146	237424	9.718	ppbv	98
76) 1,4-Dichlorobenzene	11.684	146	232017	9.738	ppbv	99
77) 1,2-Dichlorobenzene	11.959	146	223231	9.558	ppbv	98
78) Hexachloro-1,3-Butadiene	13.895	225	157035	8.127	ppbv	99
79) Naphthalene	13.526	128	351408	7.871	ppbv	98
80) Naphthalene,2-methyl-	14.471	142	119116	5.893	ppbv	99
81) 1,2,4-Trichlorobenzene	13.455	180	156576	8.627	ppbv	99

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

Quant Time: Feb 18 00:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL021425AIR.M
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QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

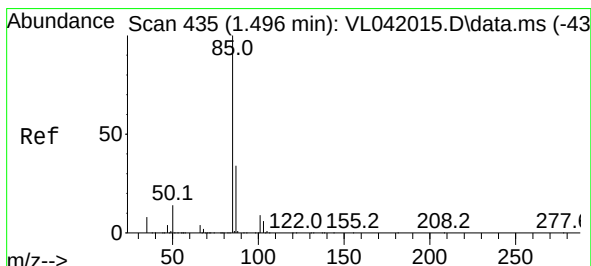
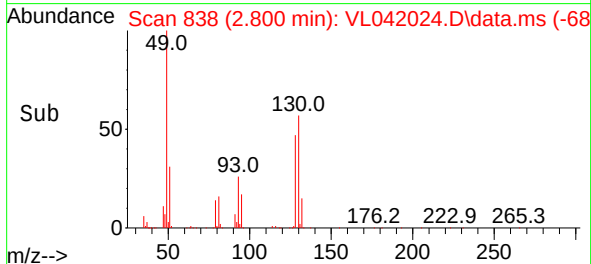
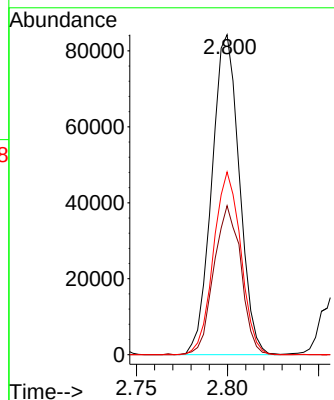
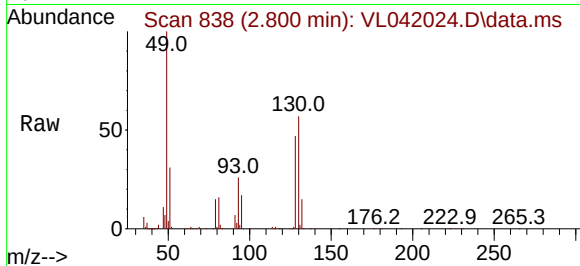




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 831
Delta R.T. -0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

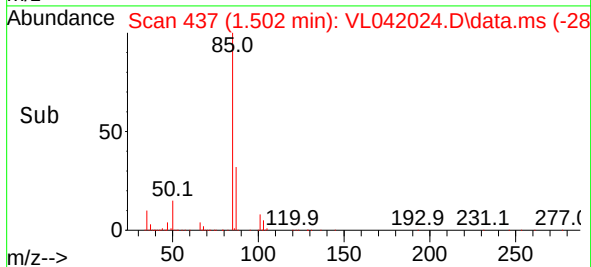
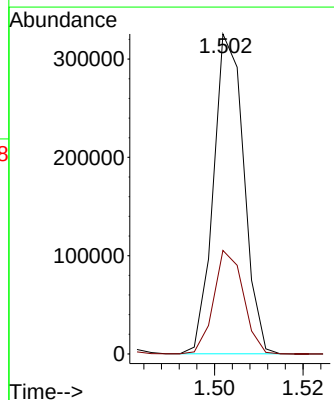
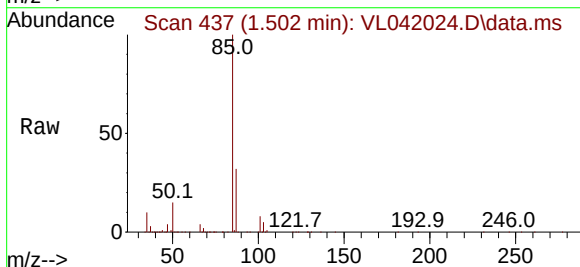
Instrument :
MSVOA_L
ClientSampleId :

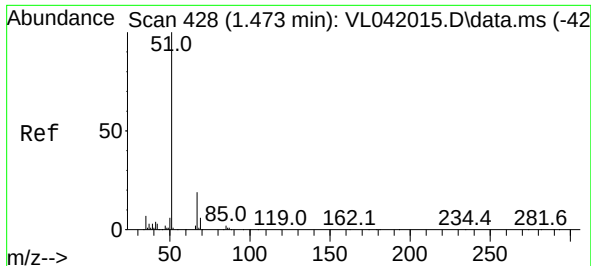
Tgt Ion: 49 Resp: 88600
Ion Ratio Lower Upper
49 100
128 45.8 22.7 68.0
130 56.6 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 10.183 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

Tgt Ion: 85 Resp: 155321
Ion Ratio Lower Upper
85 100
87 32.4 26.9 40.3

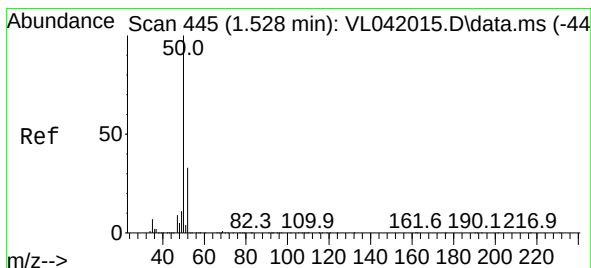
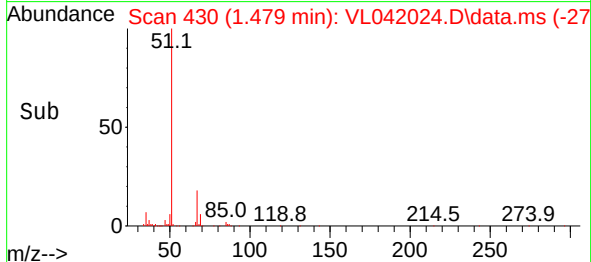
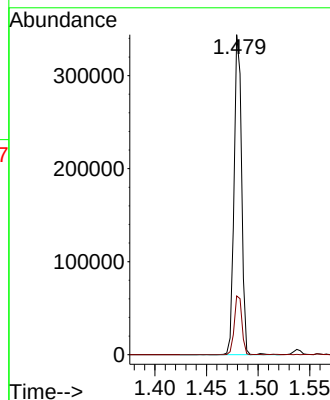
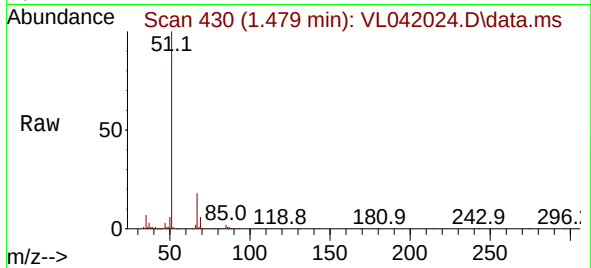




#3
Chlorodifluoromethane
Concen: 10.293 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

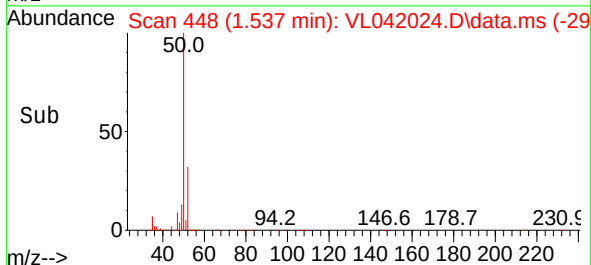
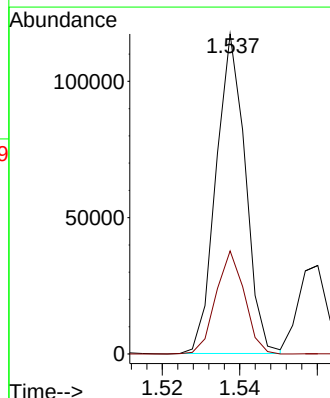
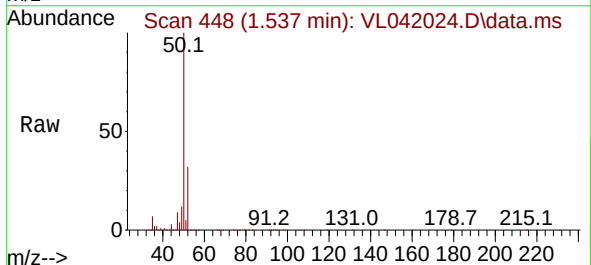
Instrument :
MSVOA_L
ClientSampleId :

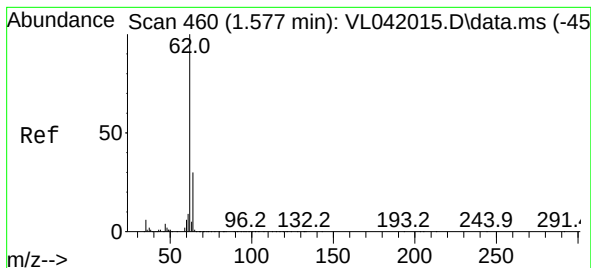
Tgt Ion: 51 Resp: 173560
Ion Ratio Lower Upper
51 100
67 18.6 15.0 22.6



#4
Chloromethane
Concen: 10.393 ppbv
RT: 1.537 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

Tgt Ion: 50 Resp: 61603
Ion Ratio Lower Upper
50 100
52 32.2 26.2 39.2





#5

Vinyl Chloride

Concen: 8.282 ppbv

RT: 1.586 min Scan# 4

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

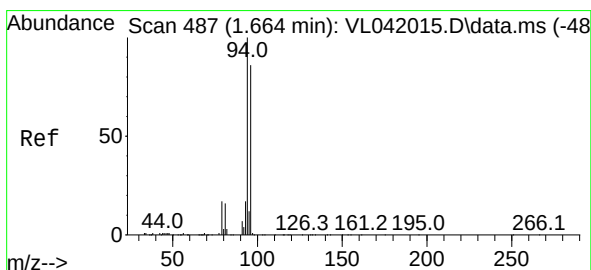
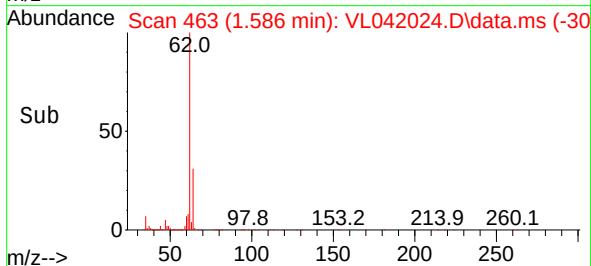
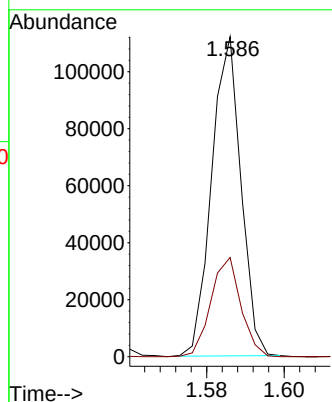
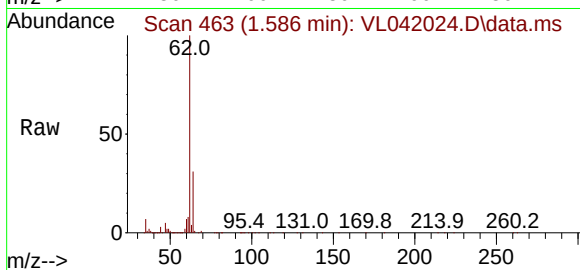
ClientSampleId :

Tgt Ion: 62 Resp: 58701

Ion Ratio Lower Upper

62 100

64 31.1 24.4 36.6



#6

Bromomethane

Concen: 9.585 ppbv

RT: 1.673 min Scan# 490

Delta R.T. 0.000 min

Lab File: VL042024.D

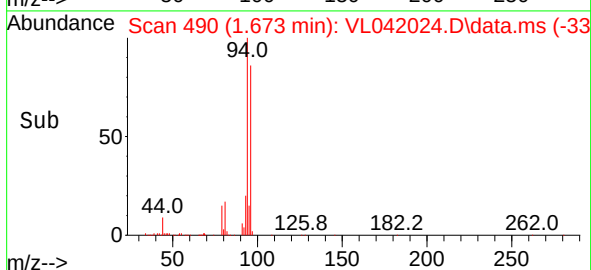
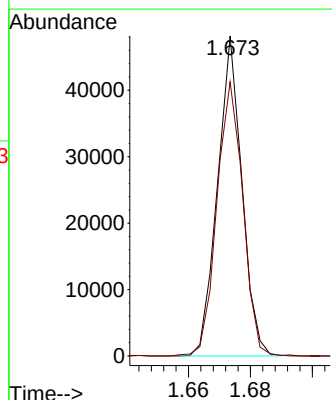
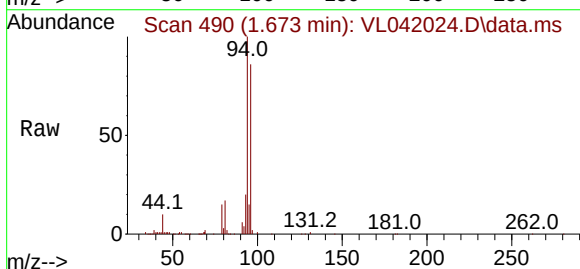
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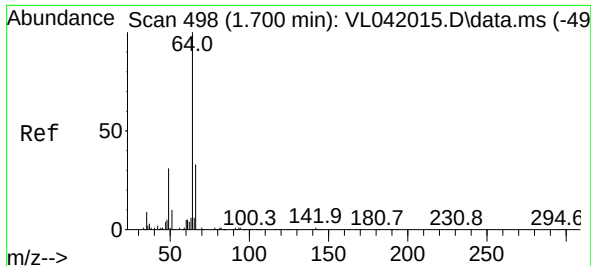
Tgt Ion: 94 Resp: 26334

Ion Ratio Lower Upper

94 100

96 85.4 69.0 103.6

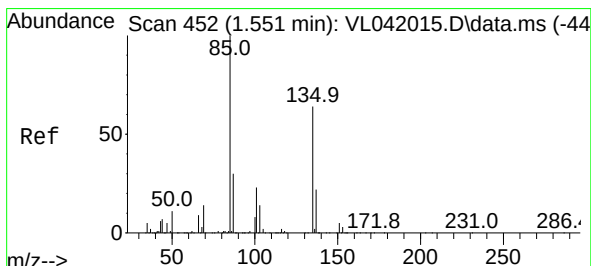
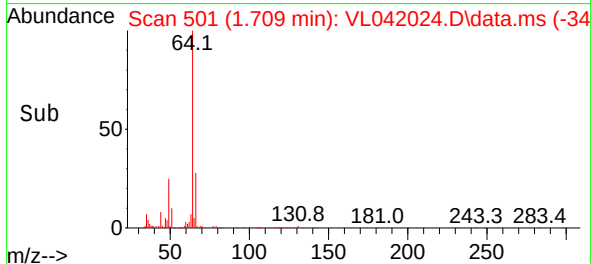
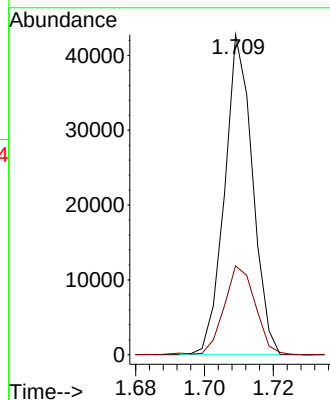
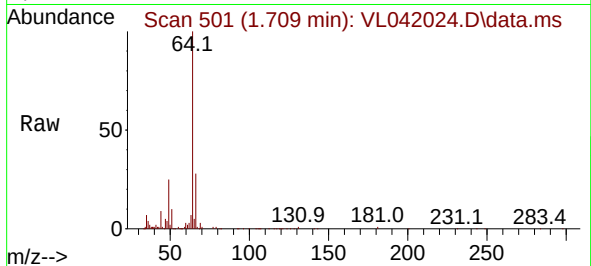




#7
Chloroethane
Concen: 10.442 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

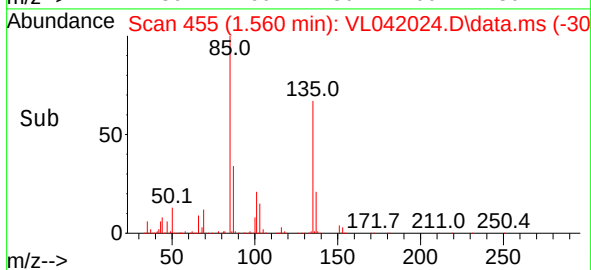
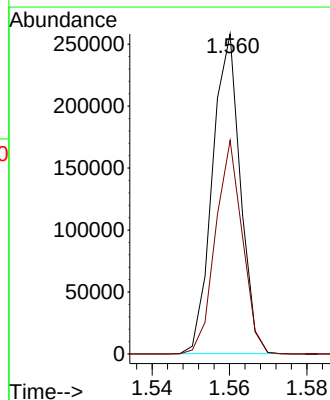
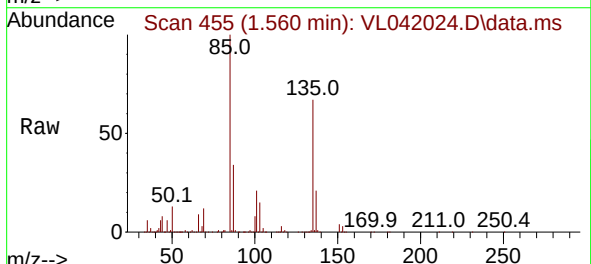
Instrument :
MSVOA_L
ClientSampleId :

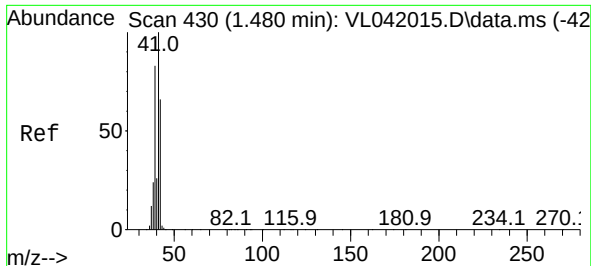
Tgt Ion: 64 Resp: 24121
Ion Ratio Lower Upper
64 100
66 27.8 26.5 39.7



#8
Dichlorotetrafluoroethane
Concen: 9.596 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

Tgt Ion: 85 Resp: 128752
Ion Ratio Lower Upper
85 100
135 64.6 50.9 76.3





#9

Propene

Concen: 9.978 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

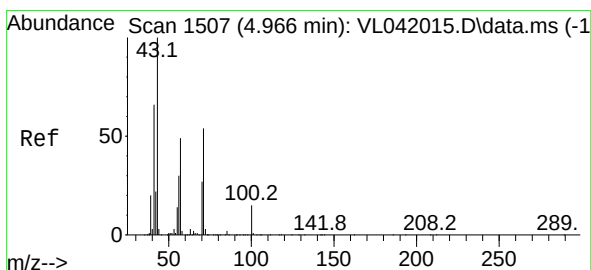
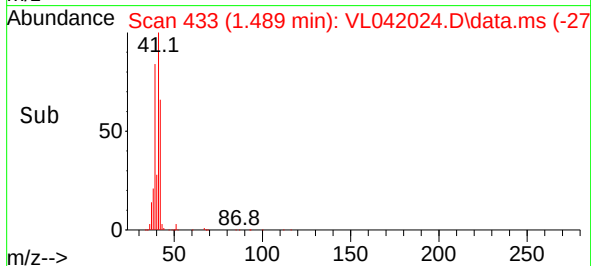
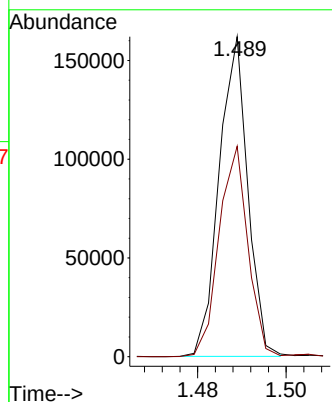
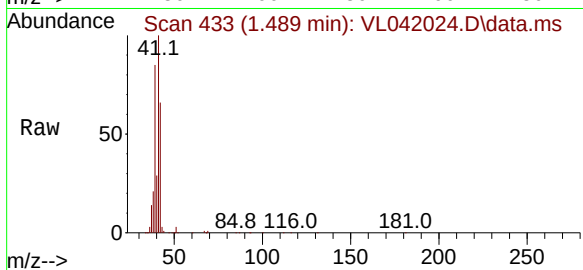
ClientSampleId :

Tgt Ion: 41 Resp: 72533

Ion Ratio Lower Upper

41 100

42 67.3 53.5 80.3



#10

Heptane

Concen: 10.002 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. 0.000 min

Lab File: VL042024.D

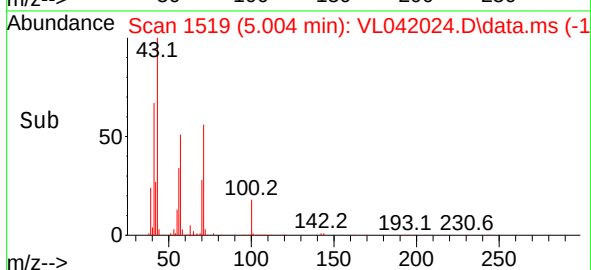
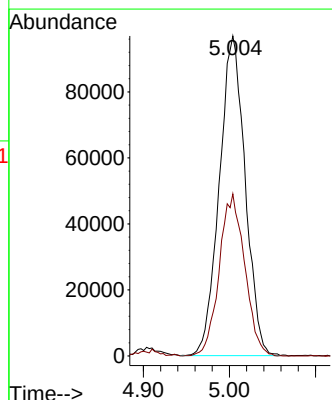
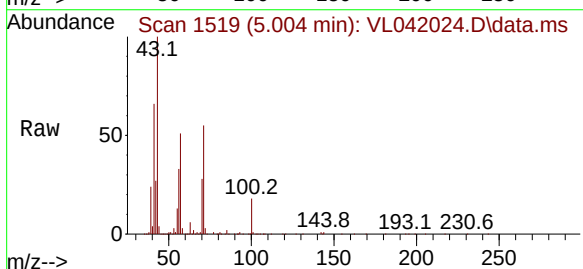
Acq: 17 Feb 2025 11:08

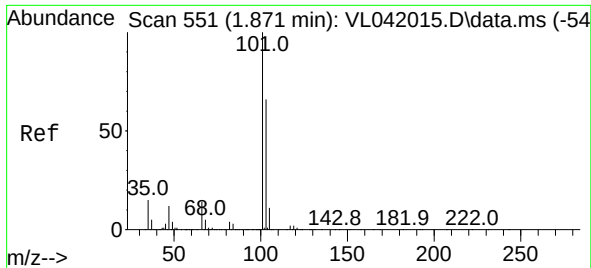
Tgt Ion: 43 Resp: 201911

Ion Ratio Lower Upper

43 100

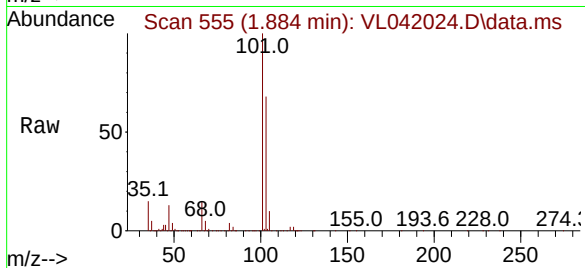
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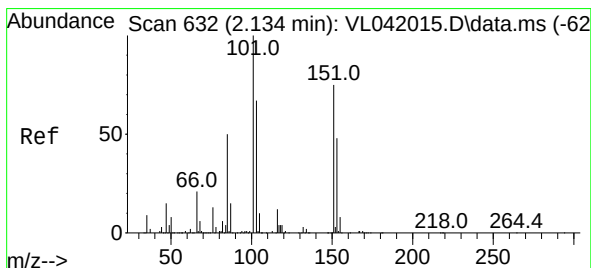
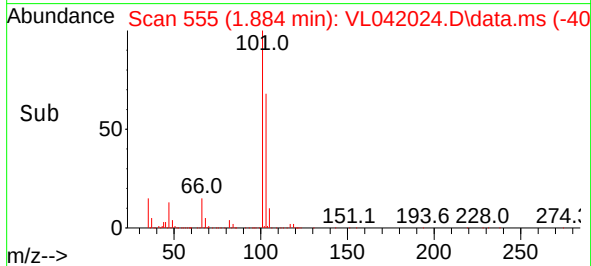
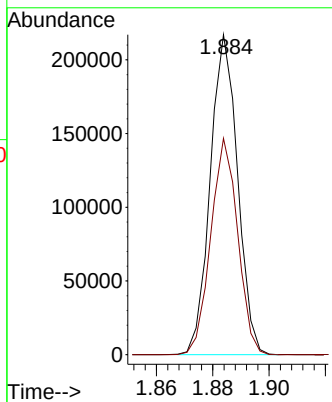


#11
Trichlorofluoromethane
Concen: 9.525 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

Instrument :
MSVOA_L
ClientSampleId :

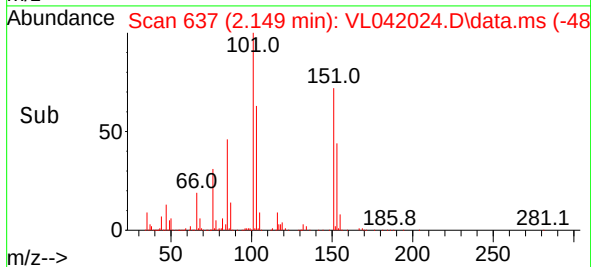
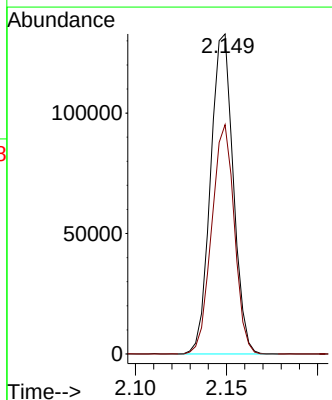
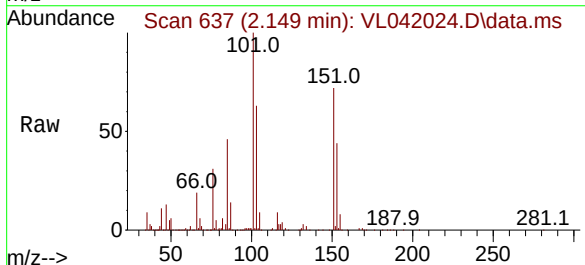


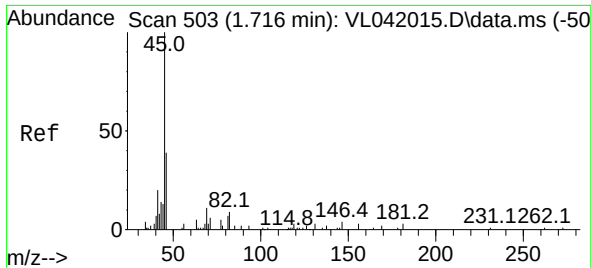
Tgt Ion:101 Resp: 146204
Ion Ratio Lower Upper
101 100
103 67.6 52.9 79.3



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.637 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

Tgt Ion:101 Resp: 115347
Ion Ratio Lower Upper
101 100
151 71.3 58.2 87.2





#13

Ethanol

Concen: 4.926 ppbv

RT: 1.728 min Scan# 503

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

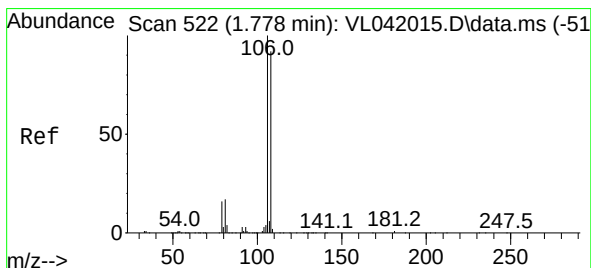
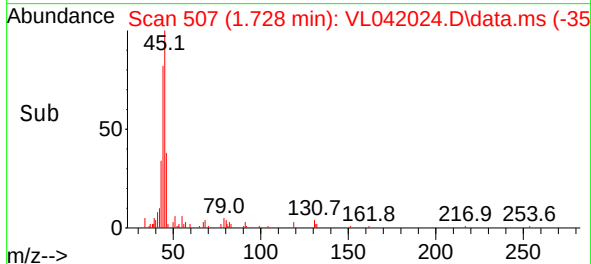
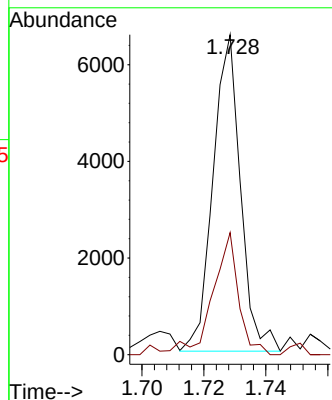
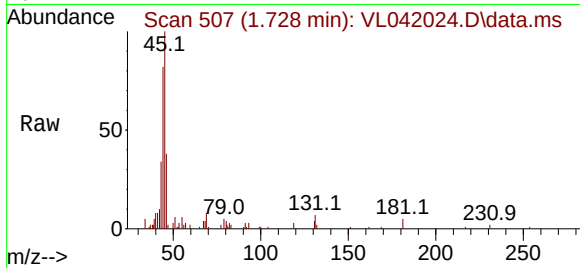
ClientSampleId :

Tgt Ion: 45 Resp: 4039

Ion Ratio Lower Upper

45 100

46 39.4 21.3 85.1



#14

Bromoethene

Concen: 9.730 ppbv

RT: 1.787 min Scan# 525

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

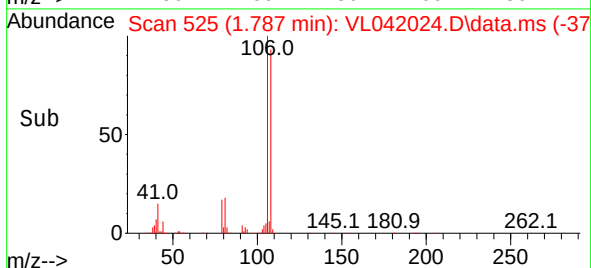
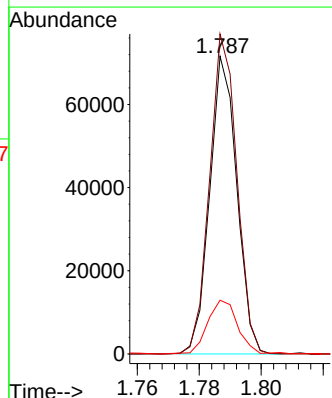
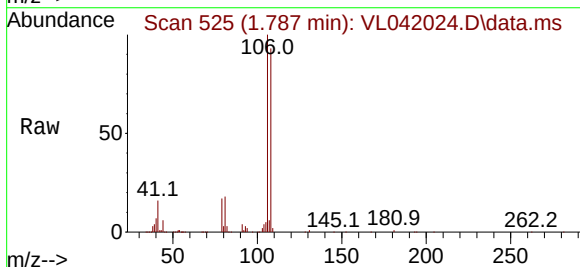
Tgt Ion:108 Resp: 43492

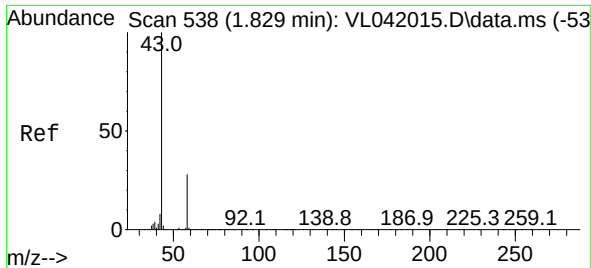
Ion Ratio Lower Upper

108 100

106 108.2 85.0 127.6

79 20.5 17.3 25.9





#15

Acetone

Concen: 8.702 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

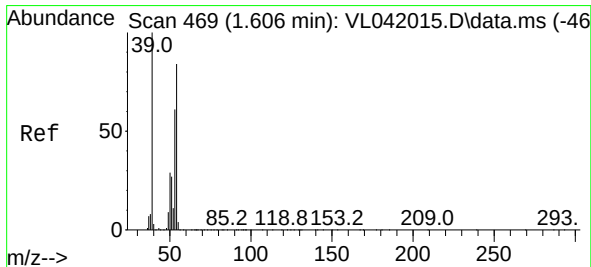
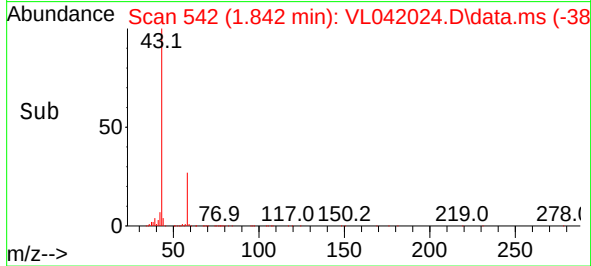
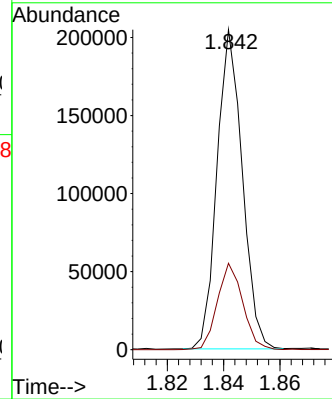
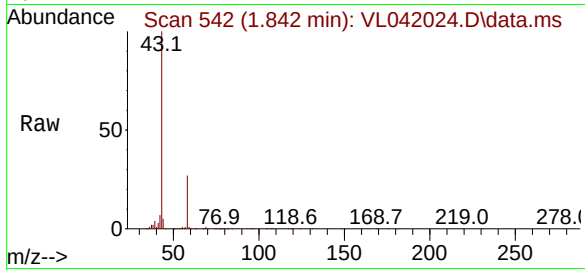
ClientSampleId :

Tgt Ion: 43 Resp: 127257

Ion Ratio Lower Upper

43 100

58 27.3 22.9 34.3



#16

1,3-Butadiene

Concen: 9.264 ppbv

RT: 1.615 min Scan# 472

Delta R.T. 0.000 min

Lab File: VL042024.D

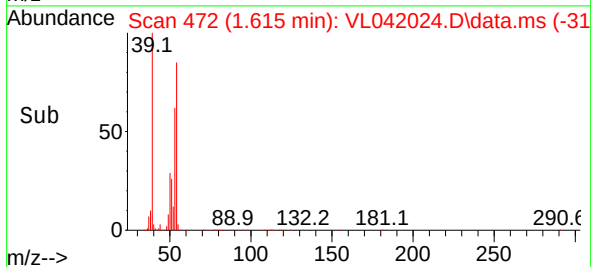
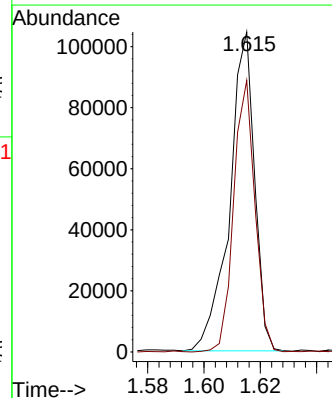
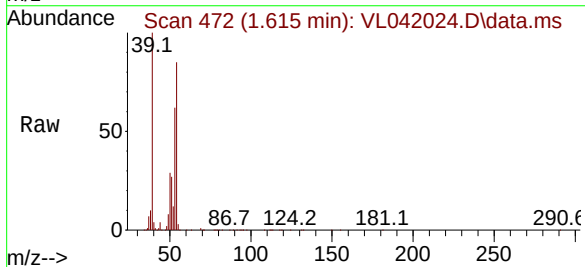
Acq: 17 Feb 2025 11:08

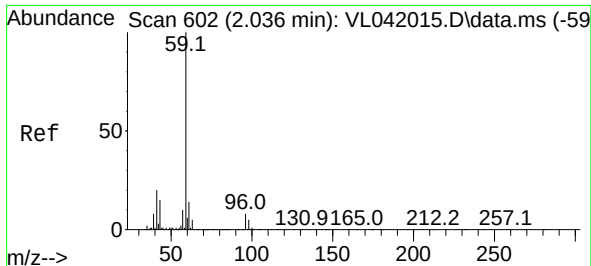
Tgt Ion: 39 Resp: 64270

Ion Ratio Lower Upper

39 100

54 73.1 59.4 89.2

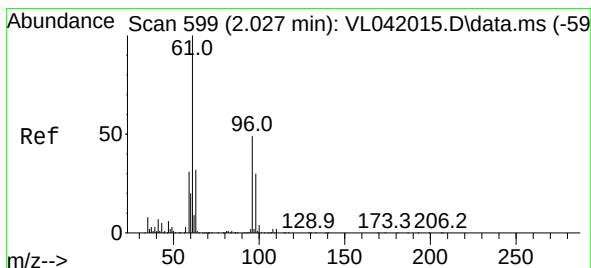
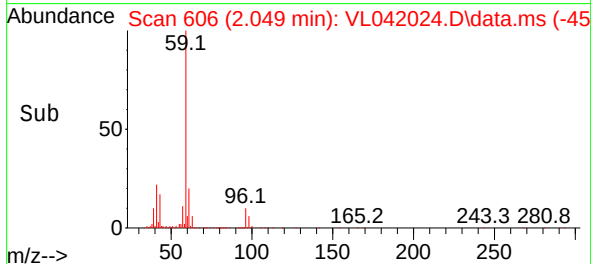
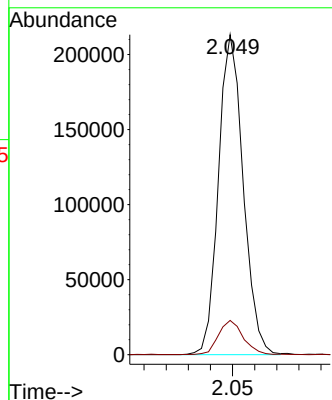
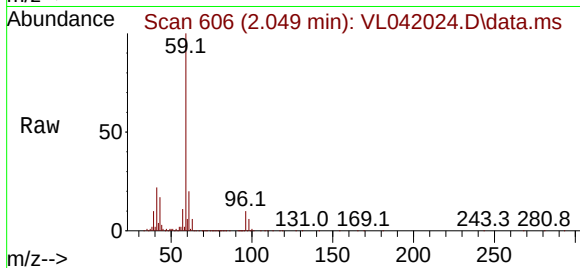




#17
tert-Butyl alcohol
Concen: 9.162 ppbv
RT: 2.049 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

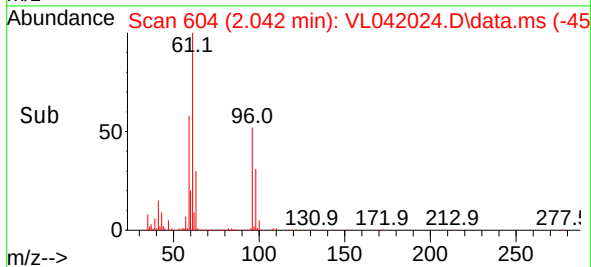
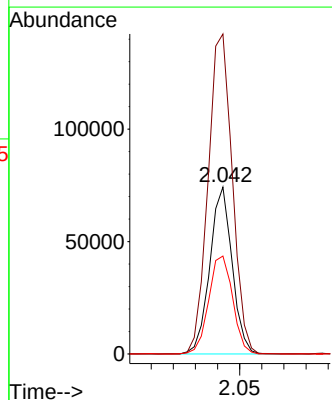
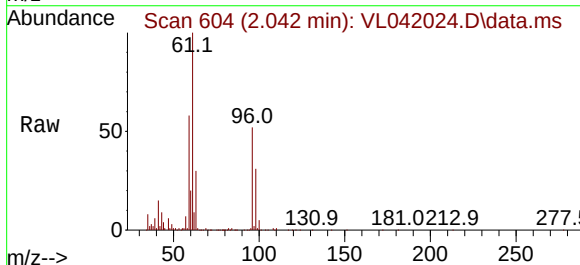
Instrument :
MSVOA_L
ClientSampleId :

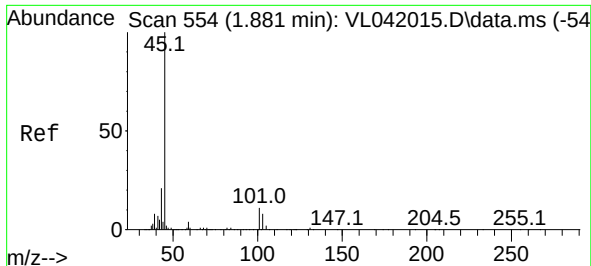
Tgt Ion: 59 Resp: 165785
Ion Ratio Lower Upper
59 100
57 11.0 9.2 13.8



#18
1,1-Dichloroethene
Concen: 9.092 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

Tgt Ion: 96 Resp: 52008
Ion Ratio Lower Upper
96 100
61 191.6 163.5 245.3
98 58.6 49.4 74.0





#19

Isopropyl Alcohol

Concen: 9.260 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

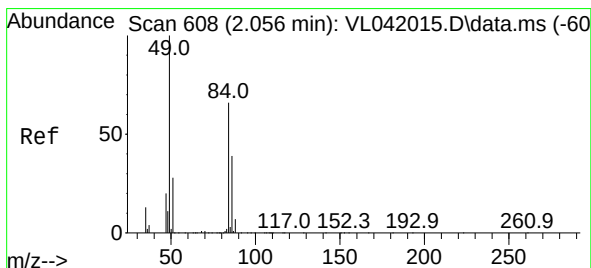
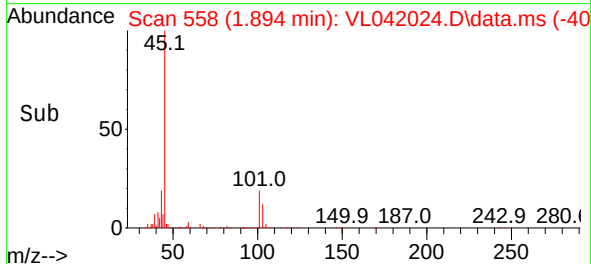
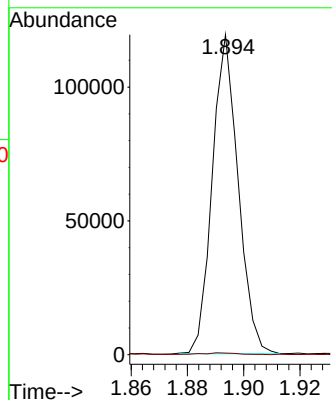
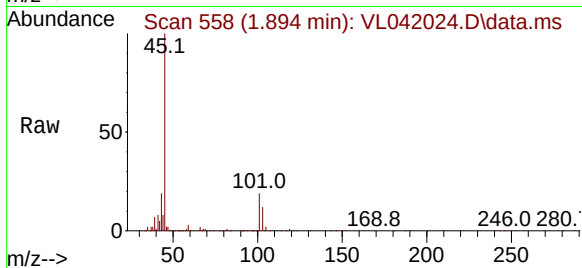
ClientSampleId :

Tgt Ion: 45 Resp: 75932

Ion Ratio Lower Upper

45 100

58 45.6 36.2 54.4



#20

Methylene Chloride

Concen: 7.943 ppbv

RT: 2.068 min Scan# 612

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Tgt Ion: 84 Resp: 43727

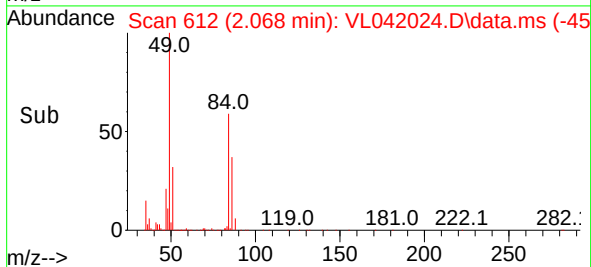
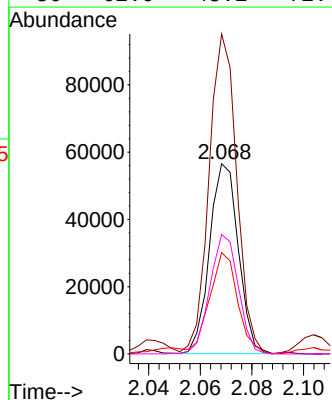
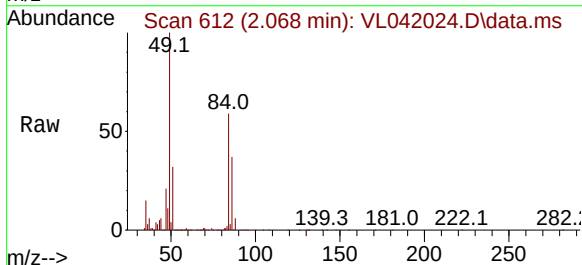
Ion Ratio Lower Upper

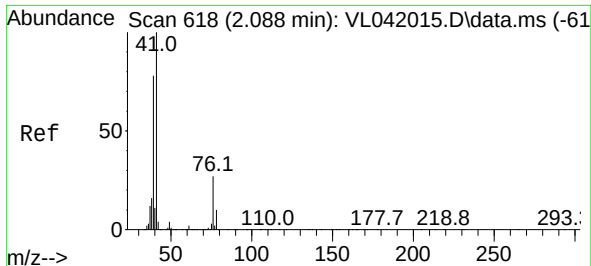
84 100

49 167.7 121.0 181.4

51 52.7 35.1 52.7

86 62.9 48.2 72.4





#21

Allyl Chloride

Concen: 9.013 ppbv

RT: 2.104 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

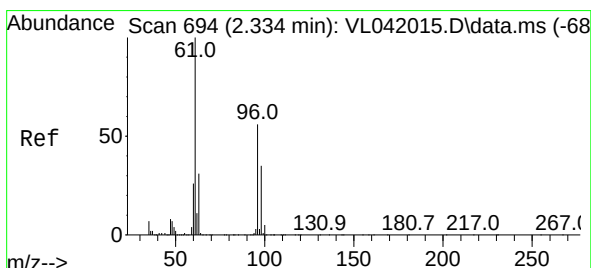
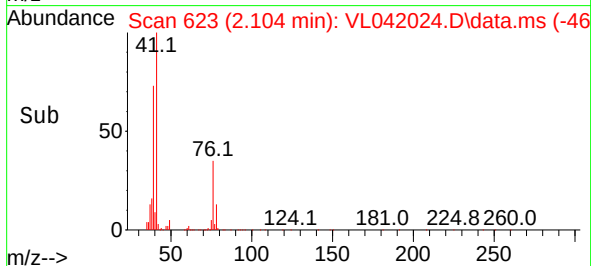
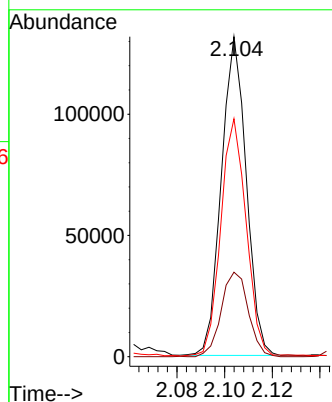
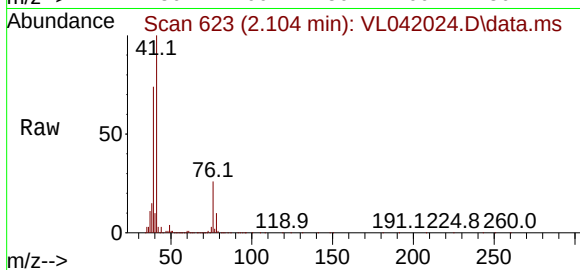
Tgt Ion: 41 Resp: 95432

Ion Ratio Lower Upper

41 100

76 28.8 23.7 35.5

39 75.3 63.0 94.6



#22

trans-1,2-Dichloroethene

Concen: 9.666 ppbv

RT: 2.350 min Scan# 699

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

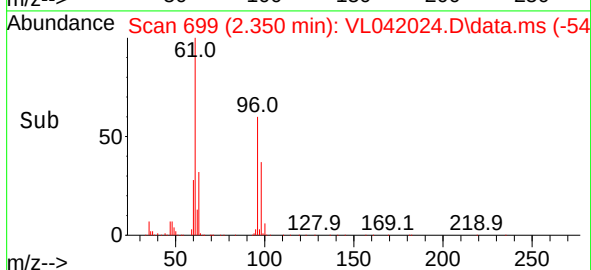
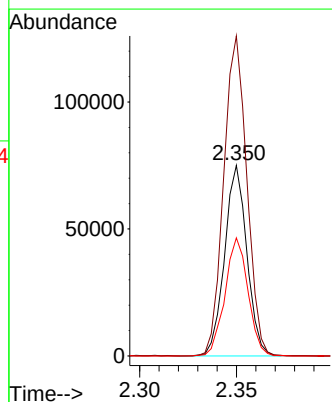
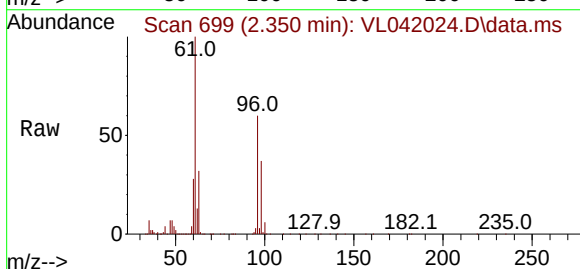
Tgt Ion: 96 Resp: 60001

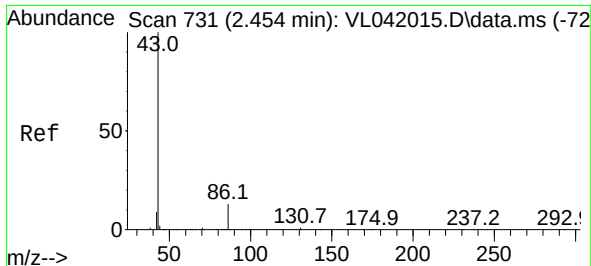
Ion Ratio Lower Upper

96 100

61 167.9 142.3 213.5

98 62.0 50.2 75.2

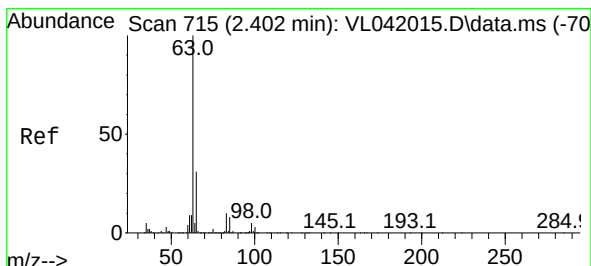
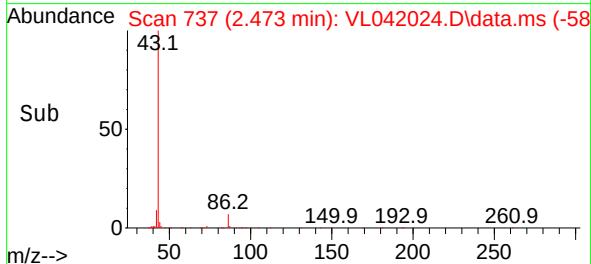
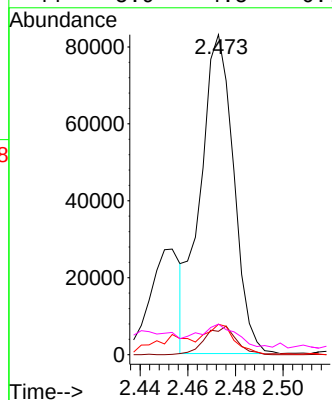
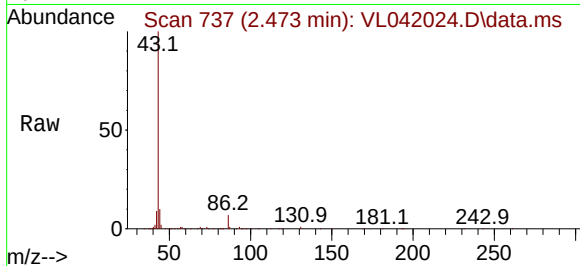




#23
 Vinyl Acetate
 Concen: 10.127 ppbv
 RT: 2.473 min Scan# 741
 Delta R.T. 0.000 min
 Lab File: VL042024.D
 Acq: 17 Feb 2025 11:08

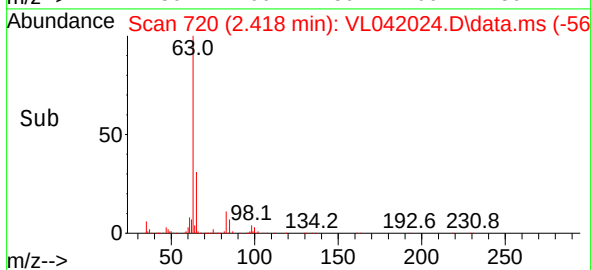
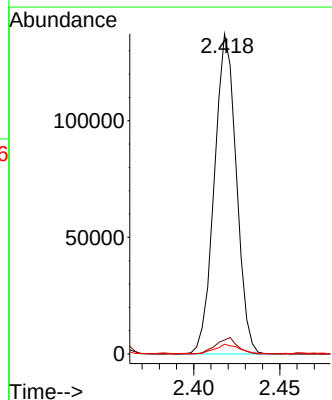
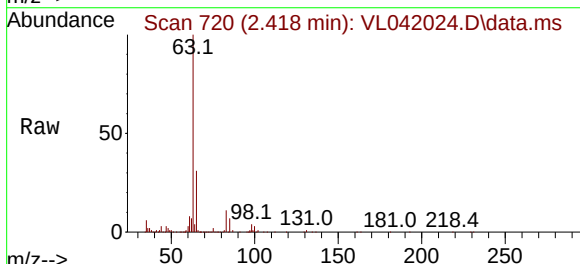
Instrument :
 MSVOA_1
 ClientSampleId :

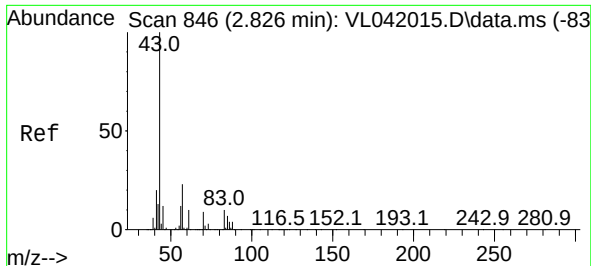
Tgt Ion: 43 Resp: 80197
 Ion Ratio Lower Upper
 43 100
 86 7.3 8.1 12.1#
 42 9.3 7.5 11.3
 44 5.9 4.5 6.7



#24
 1,1-Dichloroethane
 Concen: 9.677 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL042024.D
 Acq: 17 Feb 2025 11:08

Tgt Ion: 63 Resp: 121953
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.4 7.2
 100 3.0 1.6 4.8





#25

Ethyl Acetate

Concen: 9.921 ppbv

RT: 2.848 min Scan# 846

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 398214

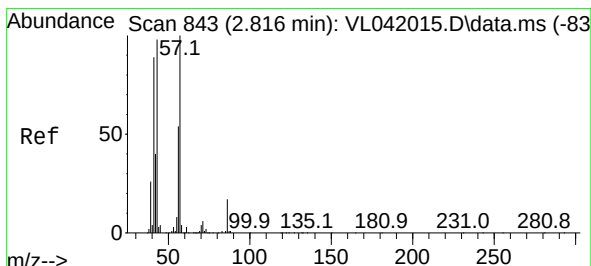
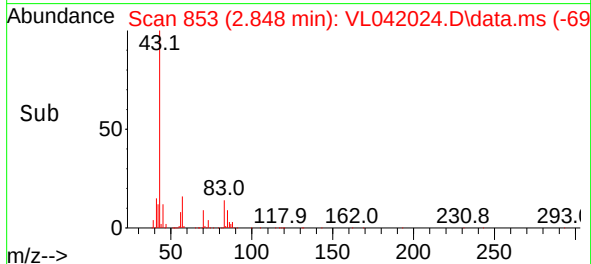
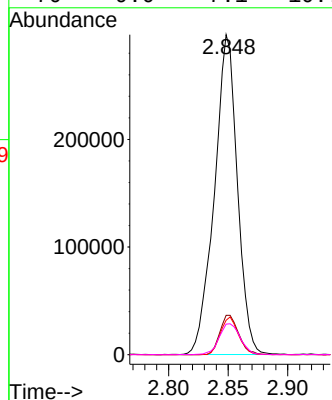
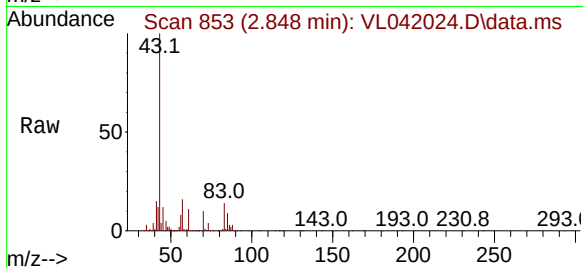
Ion Ratio Lower Upper

43 100

45 10.1 8.1 12.1

61 9.3 7.5 11.3

70 9.0 7.1 10.7



#26

Hexane

Concen: 10.010 ppbv

RT: 2.839 min Scan# 850

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Tgt Ion: 57 Resp: 161240

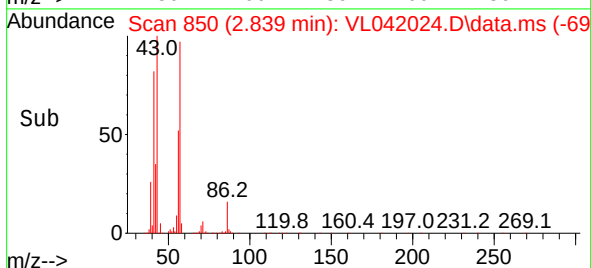
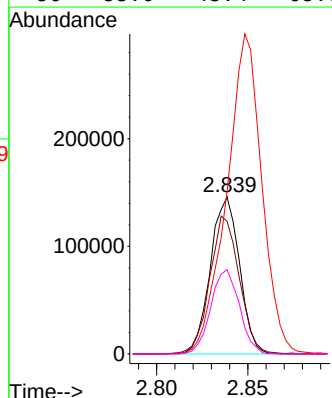
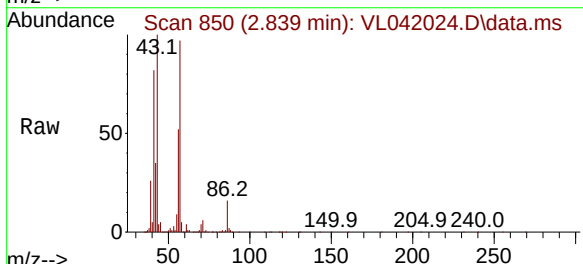
Ion Ratio Lower Upper

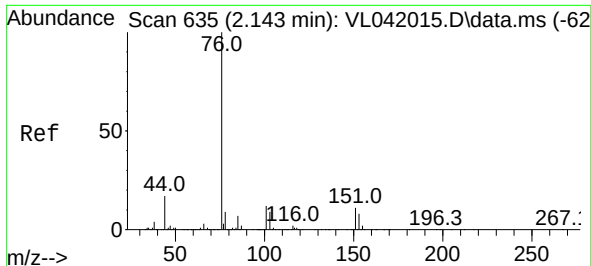
57 100

41 90.2 73.2 109.8

43 247.5 200.8 301.2

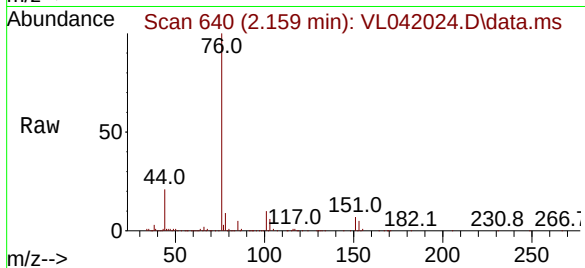
56 53.0 43.4 65.0



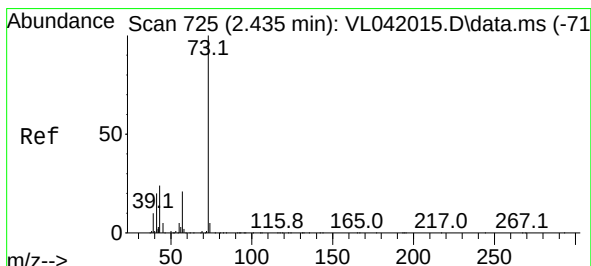
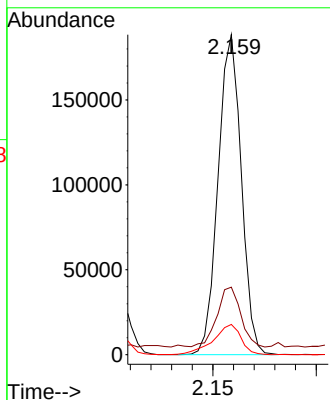
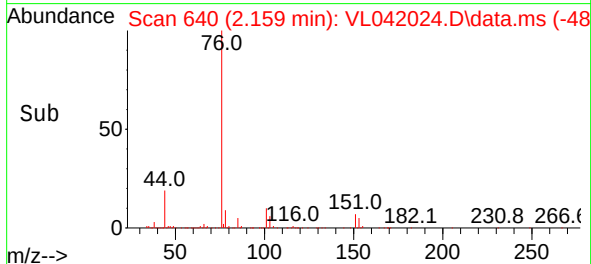


#27
Carbon Disulfide
Concen: 9.706 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

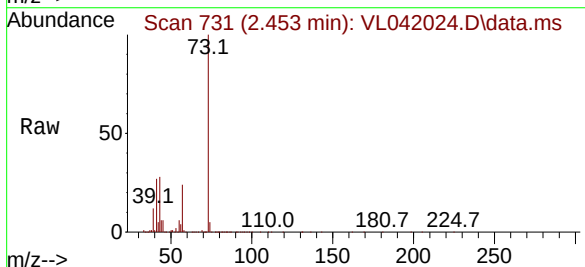
Instrument :
MSVOA_L
ClientSampleId :



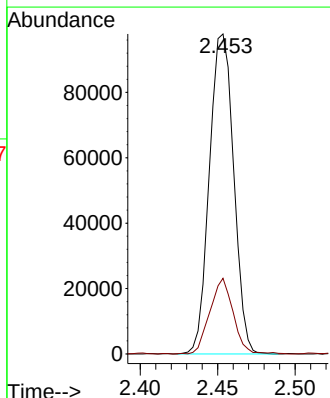
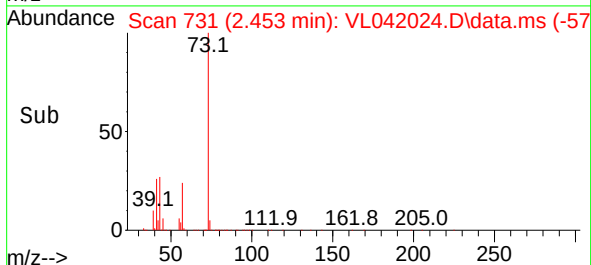
Tgt Ion: 76 Resp: 147039
Ion Ratio Lower Upper
76 100
44 21.3 18.1 27.1
78 11.4 9.5 14.3

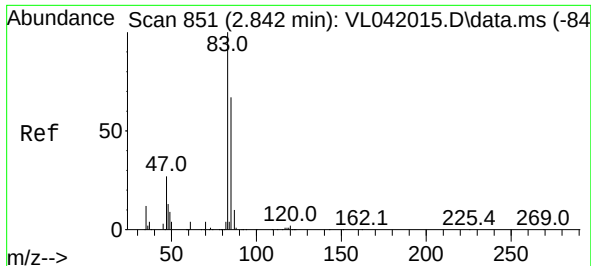


#28
Methyl tert-Butyl Ether
Concen: 10.848 ppbv
RT: 2.453 min Scan# 731
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08



Tgt Ion: 73 Resp: 106814
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5





#29

Chloroform

Concen: 10.136 ppbv

RT: 2.861 min Scan# 851

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

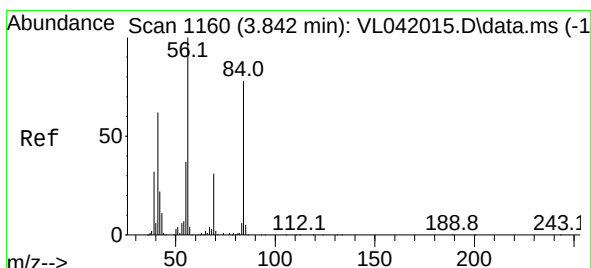
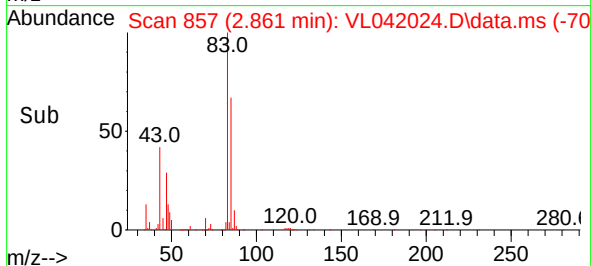
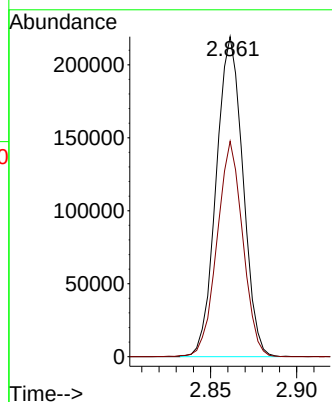
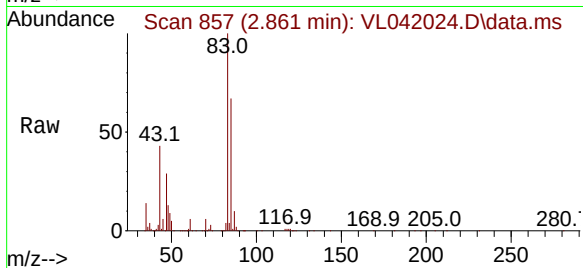
ClientSampleId :

Tgt Ion: 83 Resp: 236454

Ion Ratio Lower Upper

83 100

85 67.3 53.8 80.6



#30

Cyclohexane

Concen: 11.130 ppbv

RT: 3.874 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

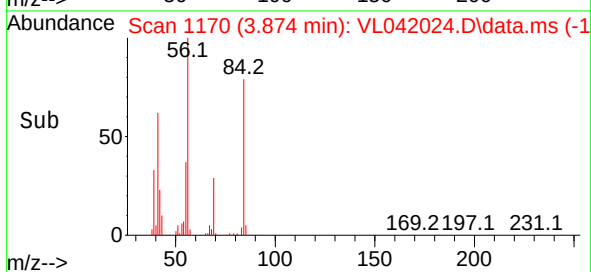
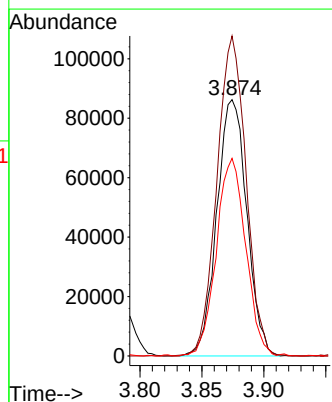
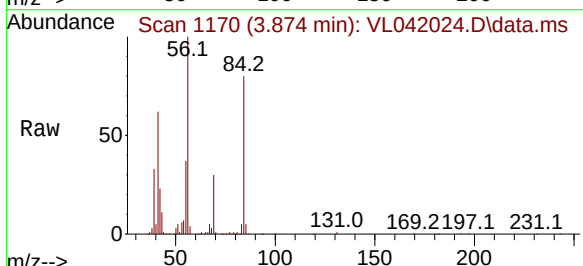
Tgt Ion: 84 Resp: 145428

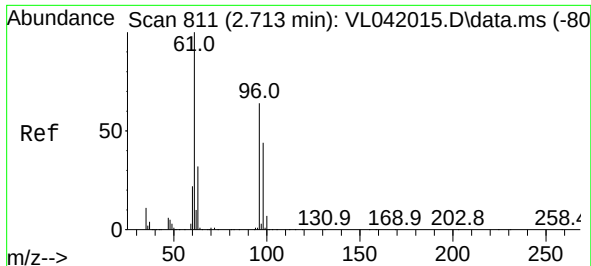
Ion Ratio Lower Upper

84 100

56 121.4 99.5 149.3

41 75.9 62.2 93.2





#31

cis-1,2-Dichloroethene

Concen: 10.211 ppbv

RT: 2.732 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

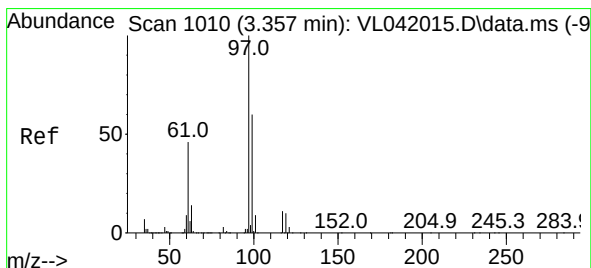
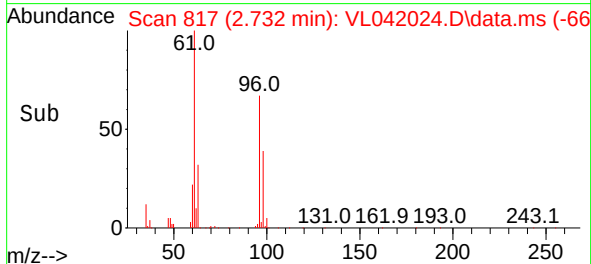
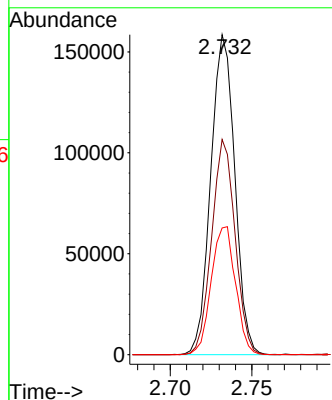
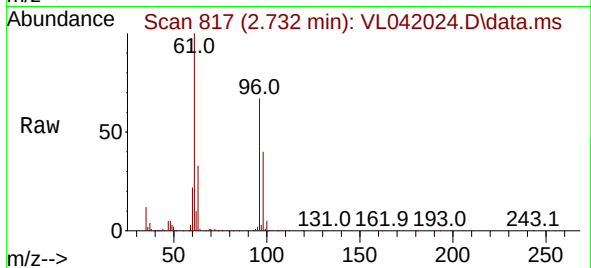
Tgt Ion: 61 Resp: 162559

Ion Ratio Lower Upper

61 100

96 67.3 51.6 77.4

98 39.6 34.8 52.2



#32

1,1,1-Trichloroethane

Concen: 9.855 ppbv

RT: 3.382 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

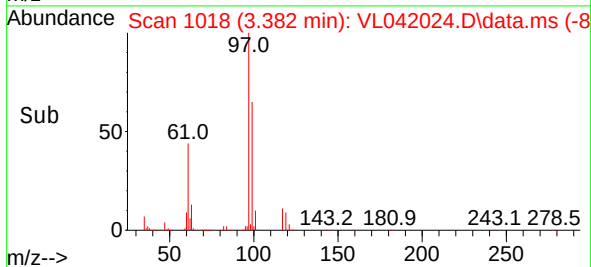
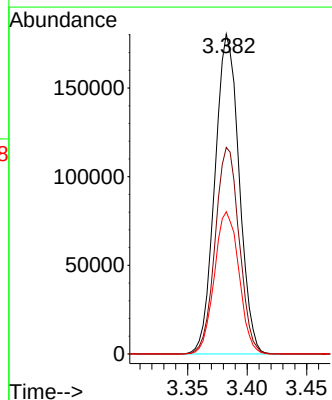
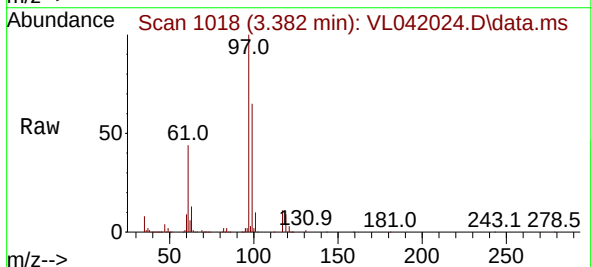
Tgt Ion: 97 Resp: 254966

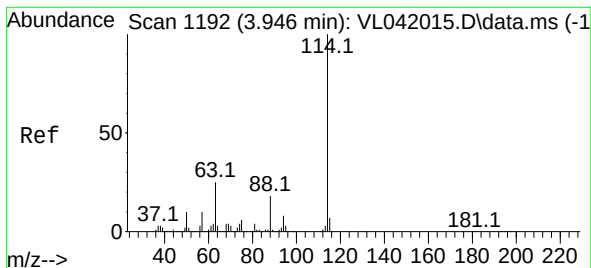
Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.4

61 45.1 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

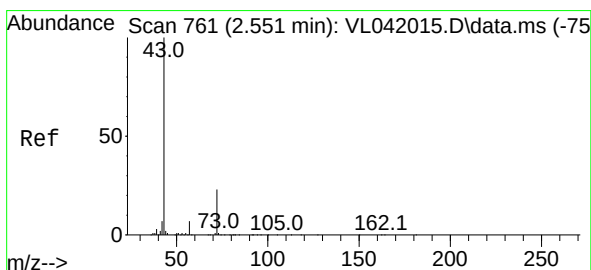
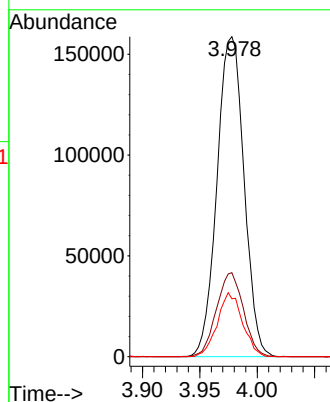
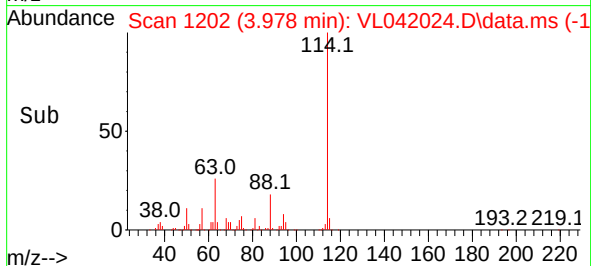
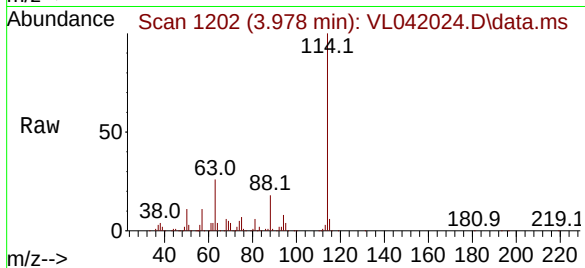
Tgt Ion:114 Resp: 260361

Ion Ratio Lower Upper

114 100

63 26.2 20.2 30.2

88 18.6 14.4 21.6



#34

2-Butanone

Concen: 10.208 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.000 min

Lab File: VL042024.D

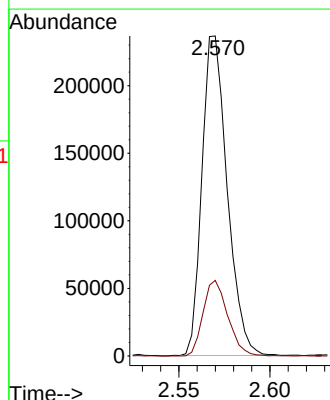
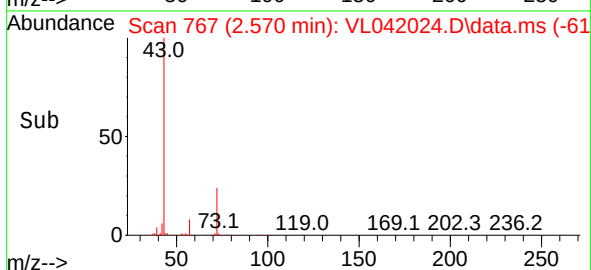
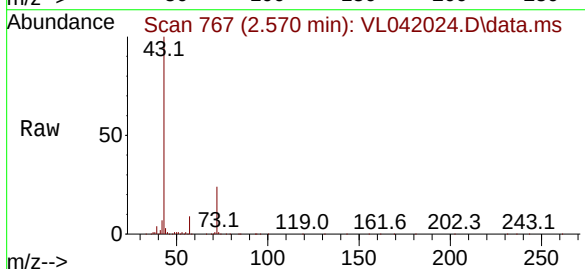
Acq: 17 Feb 2025 11:08

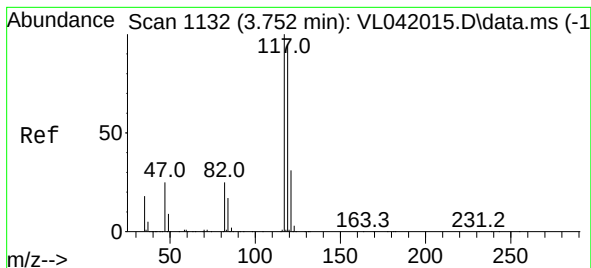
Tgt Ion: 43 Resp: 228660

Ion Ratio Lower Upper

43 100

72 23.1 18.3 27.5





#35

Carbon Tetrachloride

Concen: 9.960 ppbv

RT: 3.780 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

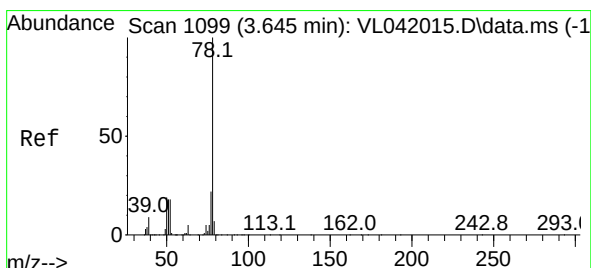
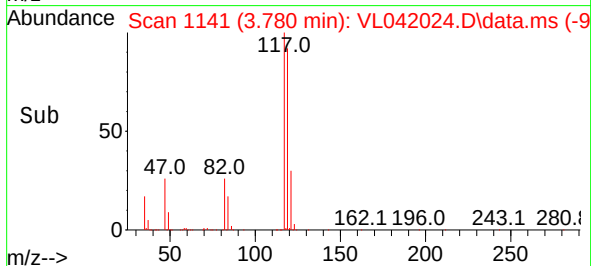
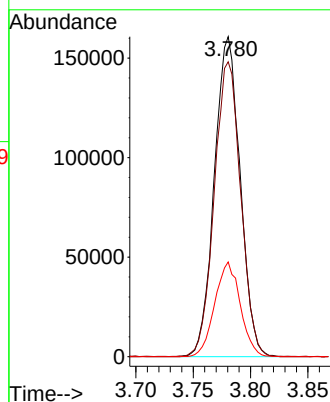
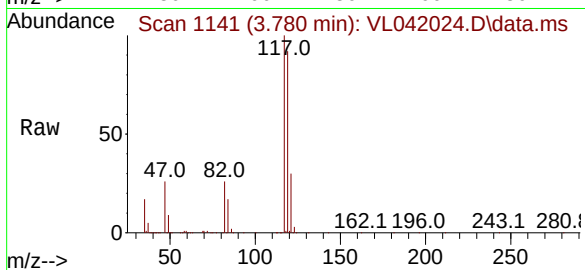
Tgt Ion:117 Resp: 251812

Ion Ratio Lower Upper

117 100

119 92.0 75.8 113.6

121 29.6 24.6 36.8



#36

Benzene

Concen: 10.419 ppbv

RT: 3.674 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

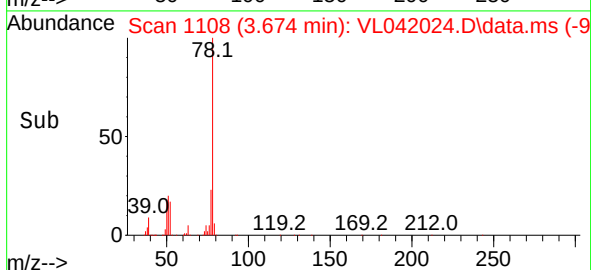
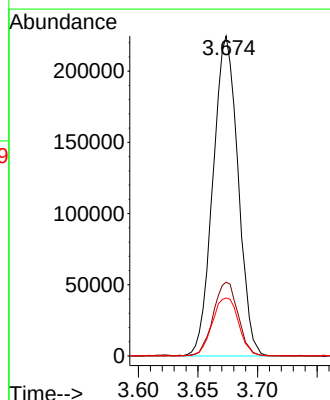
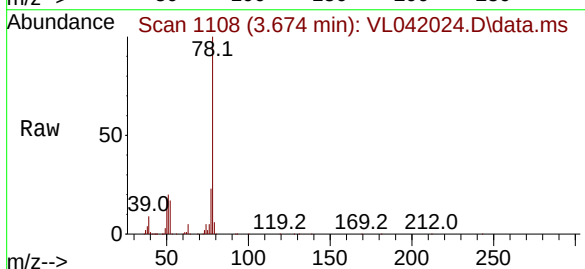
Tgt Ion: 78 Resp: 328598

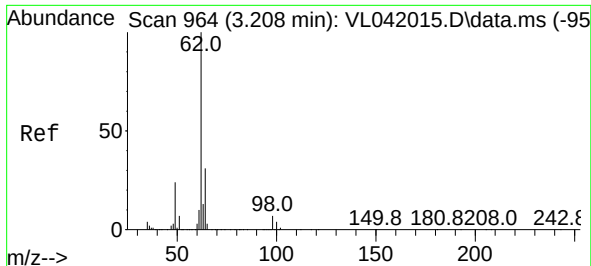
Ion Ratio Lower Upper

78 100

77 23.0 18.0 27.0

50 18.1 15.2 22.8





#37

1,2-Dichloroethane

Concen: 10.379 ppbv

RT: 3.233 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

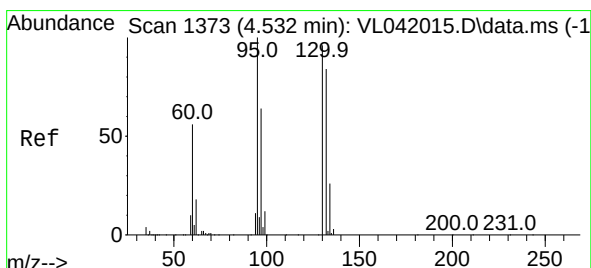
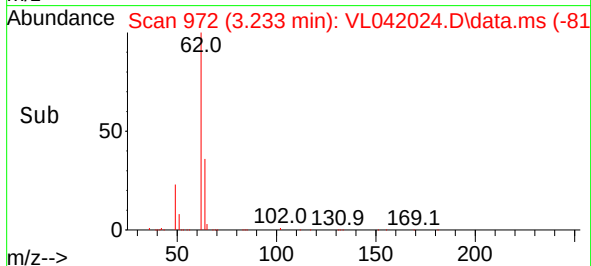
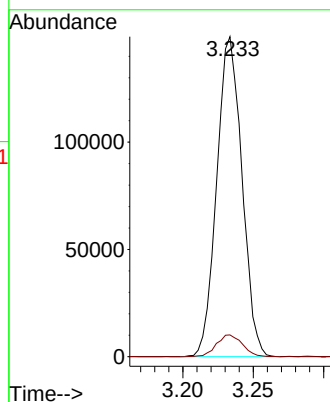
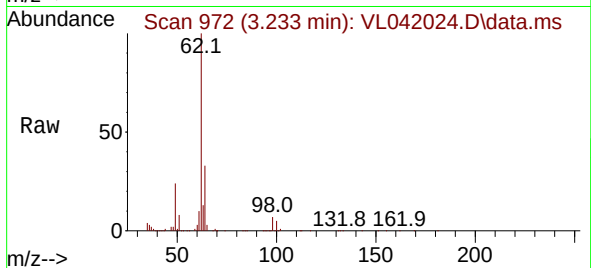
ClientSampleId :

Tgt Ion: 62 Resp: 186339

Ion Ratio Lower Upper

62 100

98 7.0 5.7 8.5



#38

Trichloroethene

Concen: 5.389 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Tgt Ion:130 Resp: 69051

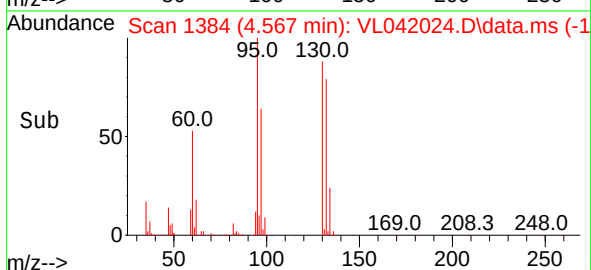
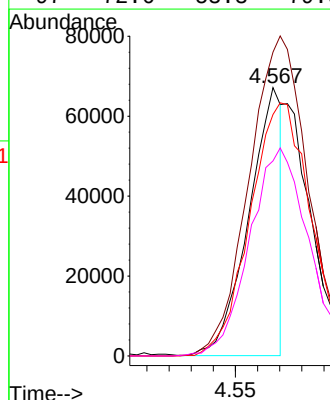
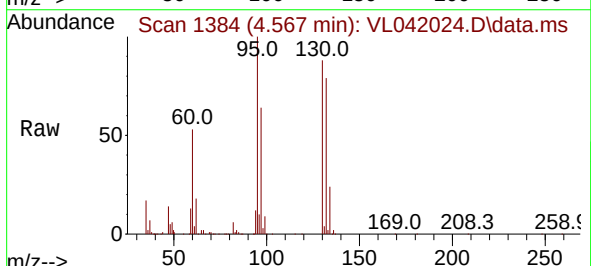
Ion Ratio Lower Upper

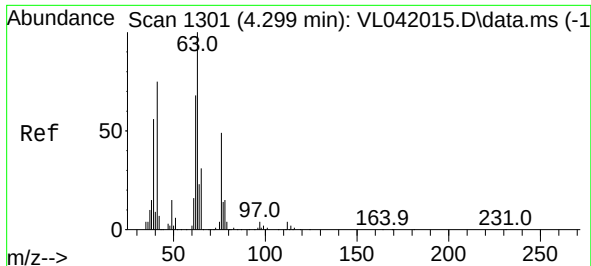
130 100

95 113.1 82.8 124.2

132 90.1 70.0 105.0

97 72.6 53.3 79.9

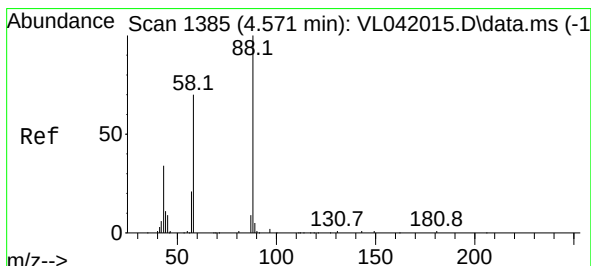
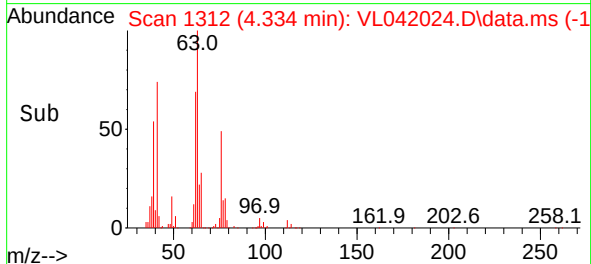
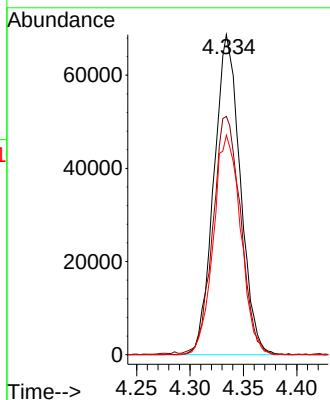
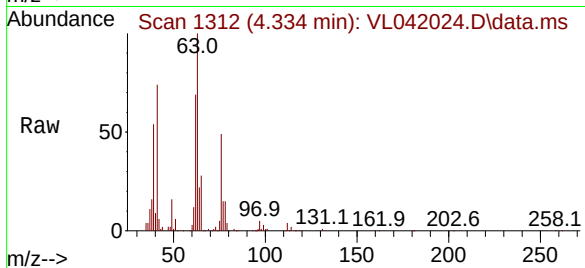




#39
1,2-Dichloropropane
Concen: 10.201 ppbv
RT: 4.334 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

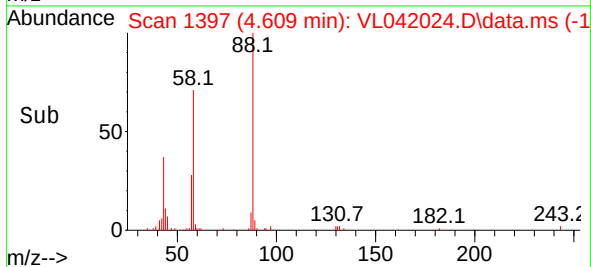
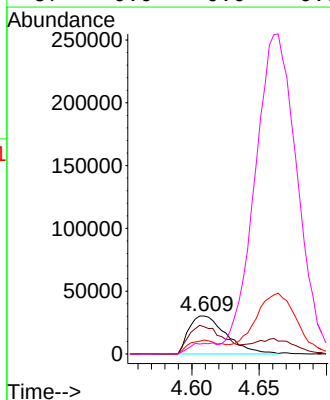
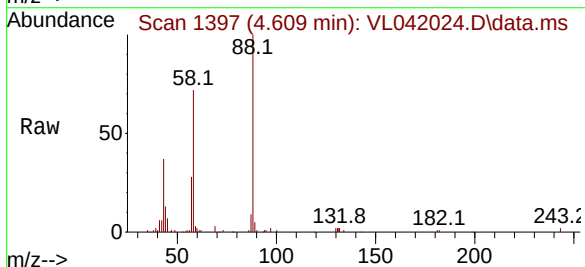
Instrument :
MSVOA_L
ClientSampleId :

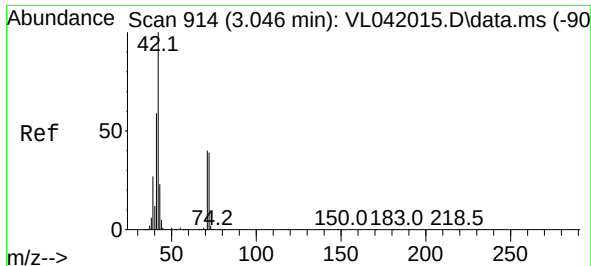
Tgt Ion: 63 Resp: 117952
Ion Ratio Lower Upper
63 100
41 74.2 60.1 90.1
62 68.6 54.0 81.0



#40
1,4-Dioxane
Concen: 9.746 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

Tgt Ion: 88 Resp: 58638
Ion Ratio Lower Upper
88 100
58 69.0 58.1 87.1
43 0.0 27.3 40.9#
57 0.0 0.0 0.0

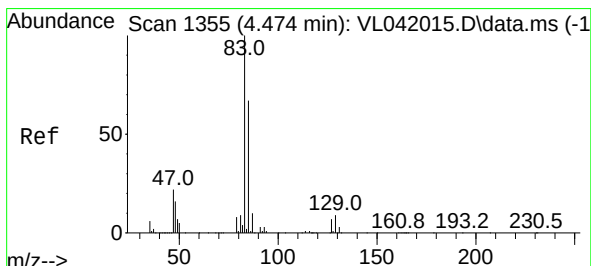
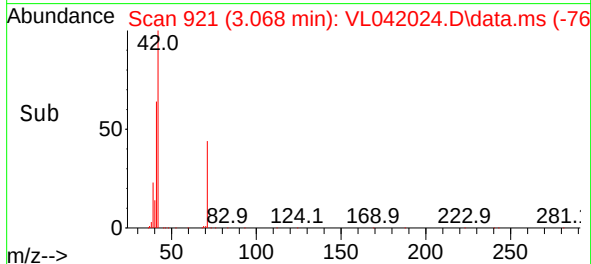
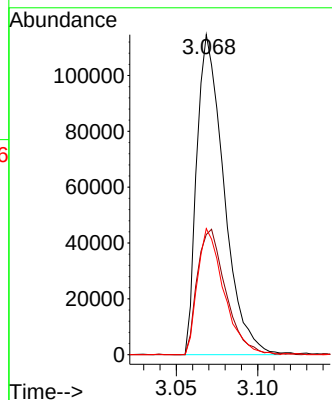
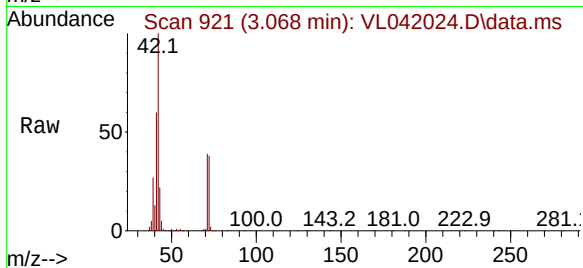




#41
Tetrahydrofuran
Concen: 10.376 ppbv
RT: 3.068 min Scan# 914
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

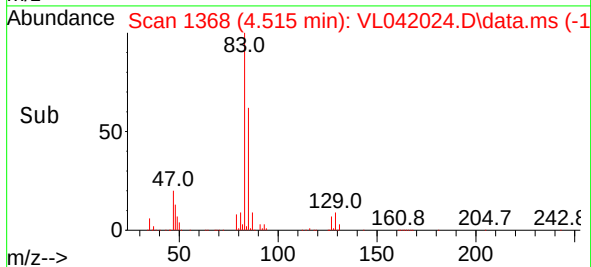
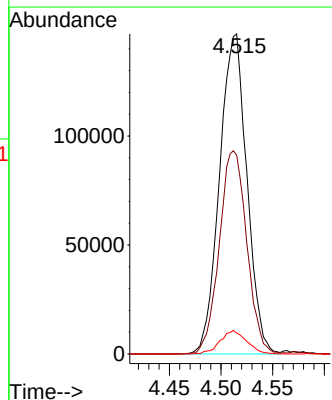
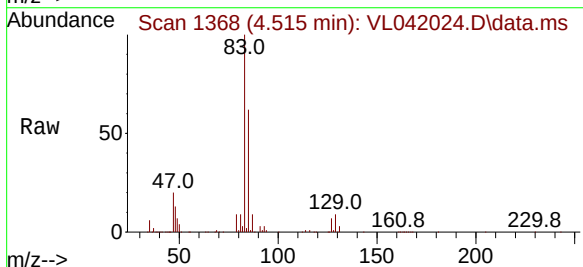
Instrument :
MSVOA_L
ClientSampleId :

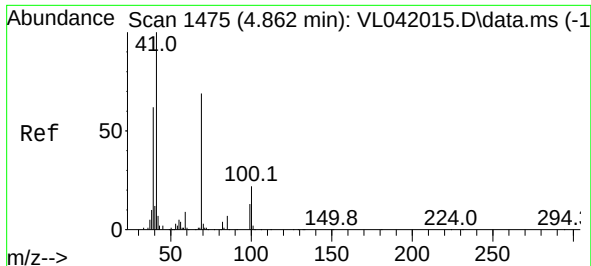
Tgt Ion: 42 Resp: 132821
Ion Ratio Lower Upper
42 100
72 41.3 32.3 48.5
71 38.7 30.9 46.3



#42
Bromodichloromethane
Concen: 11.127 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

Tgt Ion: 83 Resp: 270649
Ion Ratio Lower Upper
83 100
85 62.1 53.3 79.9
127 6.5 6.0 9.0





#43

Methyl Methacrylate

Concen: 9.395 ppbv

RT: 4.904 min Scan# 1414

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

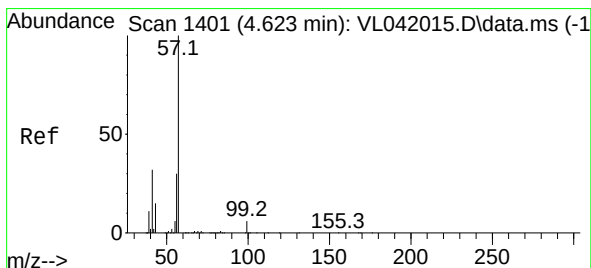
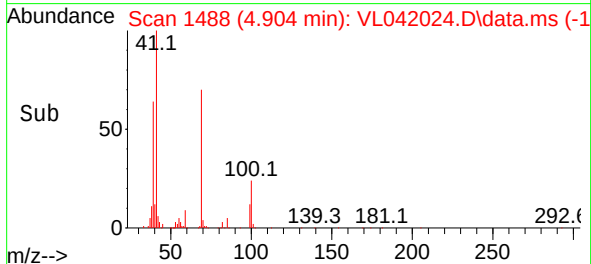
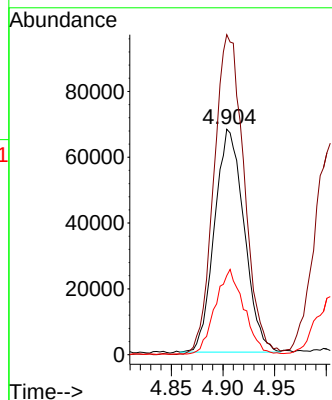
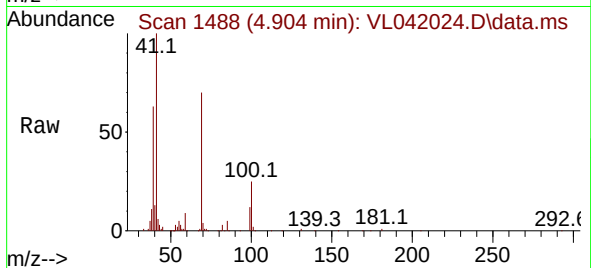
Tgt Ion: 69 Resp: 135079

Ion Ratio Lower Upper

69 100

41 146.5 114.9 172.3

100 37.0 28.8 43.2



#44

2,2,4-Trimethylpentane

Concen: 10.352 ppbv

RT: 4.664 min Scan# 1414

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

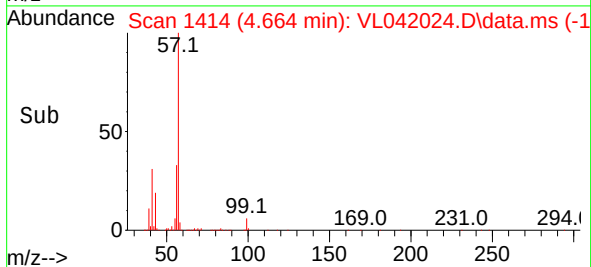
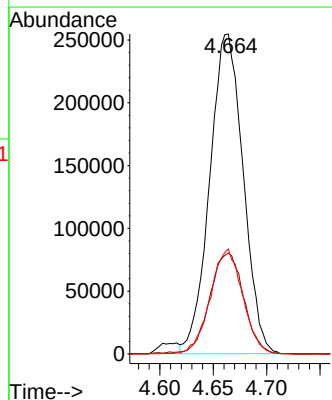
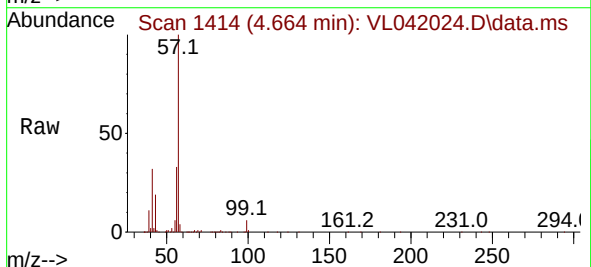
Tgt Ion: 57 Resp: 554260

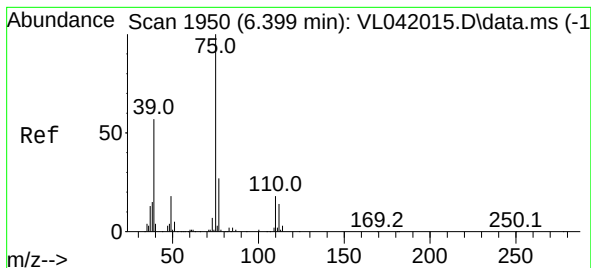
Ion Ratio Lower Upper

57 100

41 32.4 25.9 38.9

56 31.8 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 10.747 ppbv

RT: 6.444 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

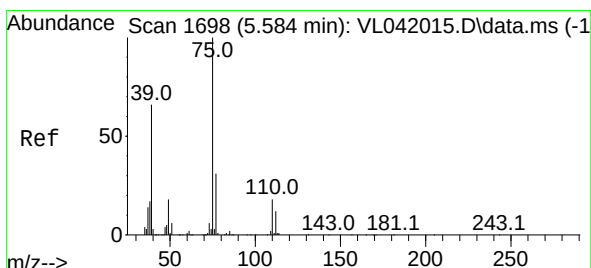
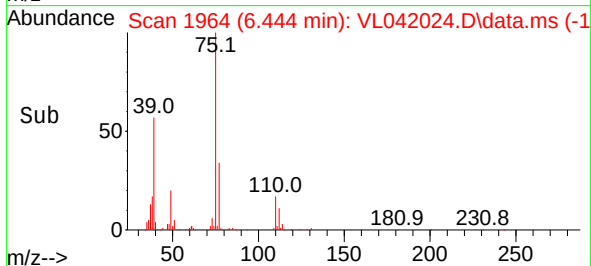
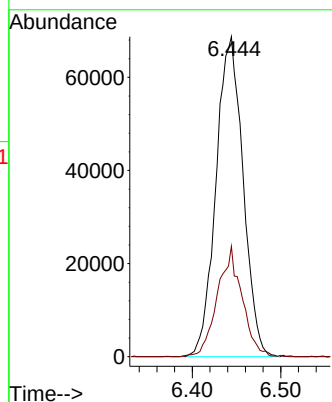
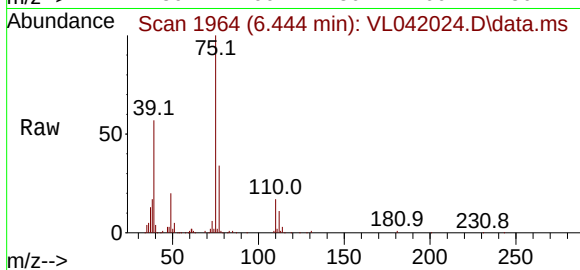
ClientSampleId :

Tgt Ion: 75 Resp: 145860

Ion Ratio Lower Upper

75 100

77 34.5 22.1 33.1#



#46

cis-1,3-Dichloropropene

Concen: 10.659 ppbv

RT: 5.629 min Scan# 1712

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

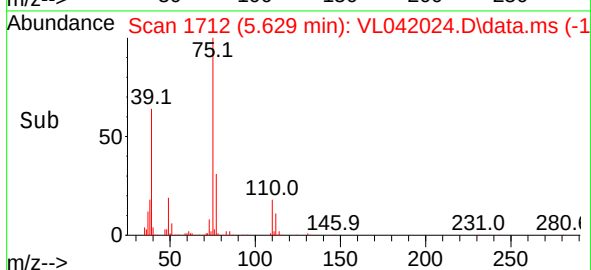
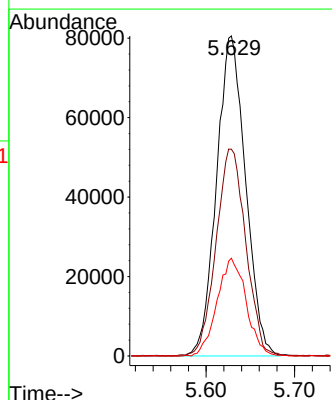
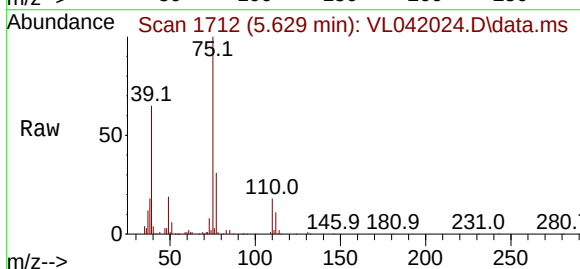
Tgt Ion: 75 Resp: 183549

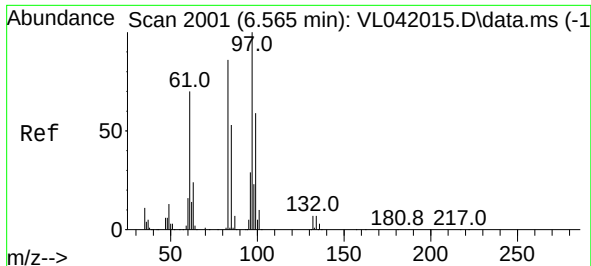
Ion Ratio Lower Upper

75 100

39 64.3 52.2 78.4

77 30.6 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 10.341 ppbv

RT: 6.609 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 125832

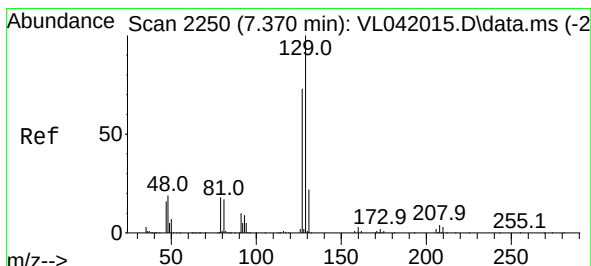
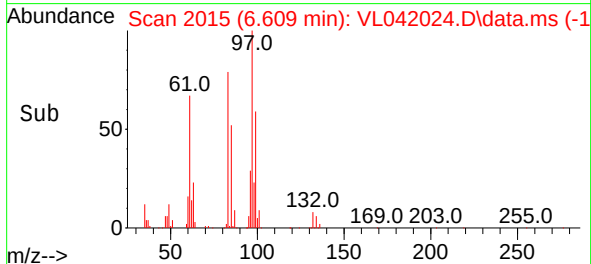
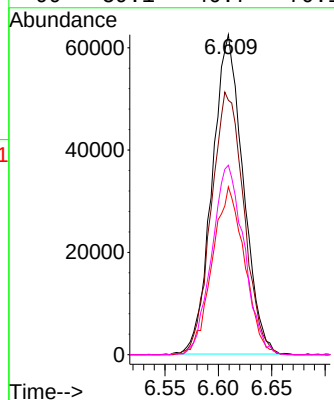
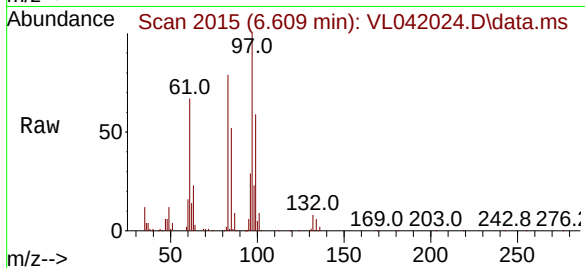
Ion Ratio Lower Upper

97 100

83 79.4 68.6 102.8

85 52.3 42.2 63.4

99 59.1 46.7 70.1



#48

Dibromochloromethane

Concen: 10.675 ppbv

RT: 7.409 min Scan# 2262

Delta R.T. 0.000 min

Lab File: VL042024.D

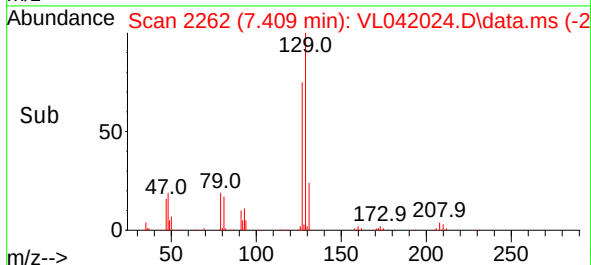
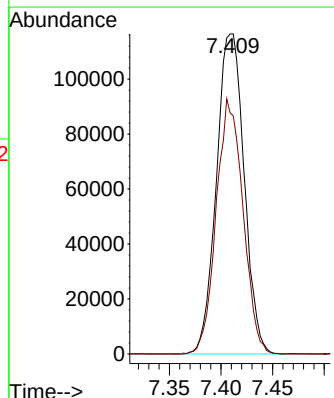
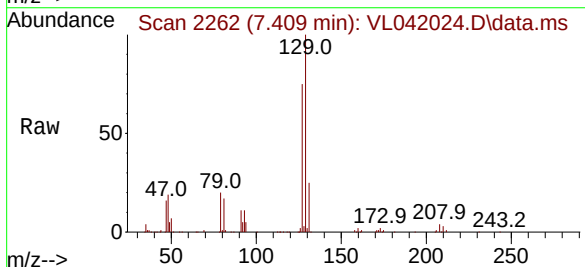
Acq: 17 Feb 2025 11:08

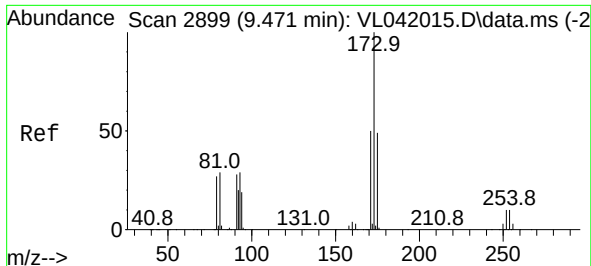
Tgt Ion:129 Resp: 217563

Ion Ratio Lower Upper

129 100

127 76.8 38.2 114.6





#49

Bromoform

Concen: 10.589 ppbv

RT: 9.500 min Scan# 20

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

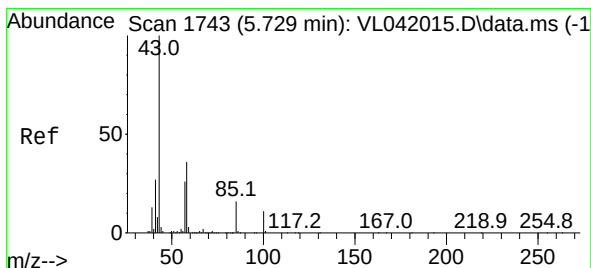
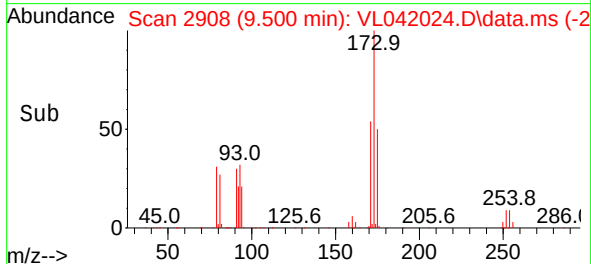
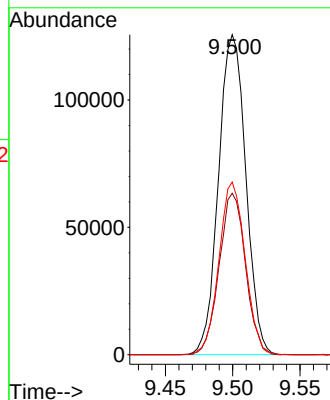
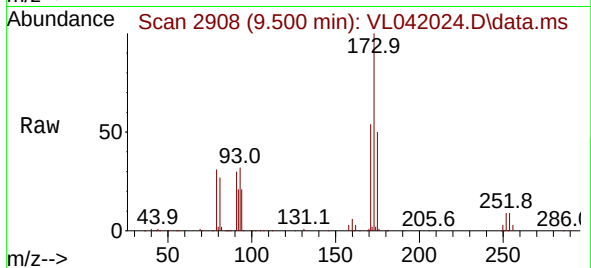
Tgt Ion:173 Resp: 177016

Ion Ratio Lower Upper

173 100

175 48.9 39.3 58.9

171 51.8 41.4 62.2



#50

4-Methyl-2-Pentanone

Concen: 9.935 ppbv

RT: 5.784 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VL042024.D

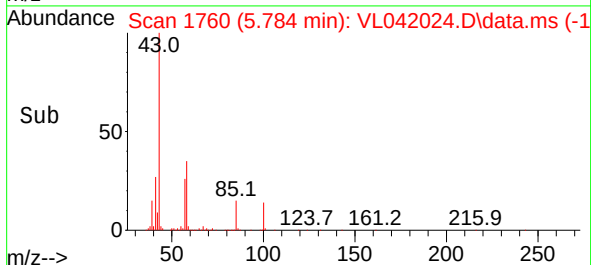
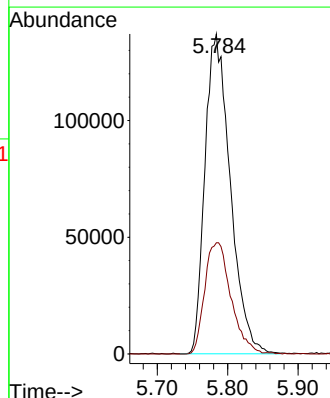
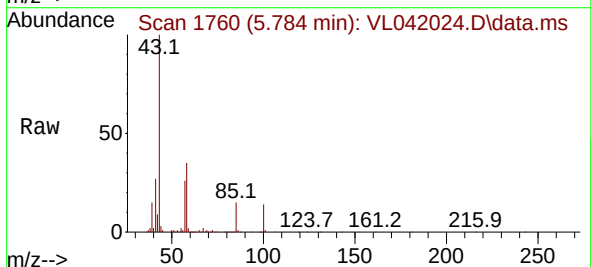
Acq: 17 Feb 2025 11:08

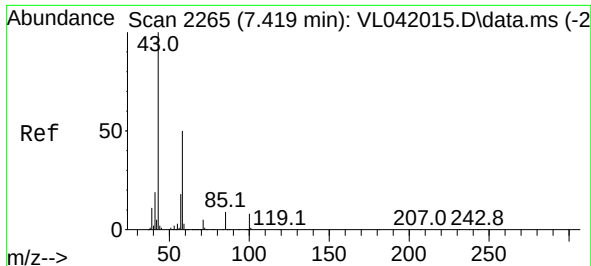
Tgt Ion: 43 Resp: 342005

Ion Ratio Lower Upper

43 100

58 36.2 29.4 44.0

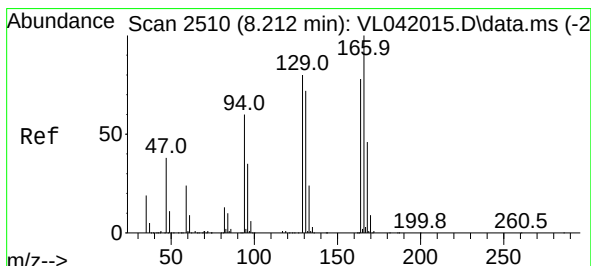
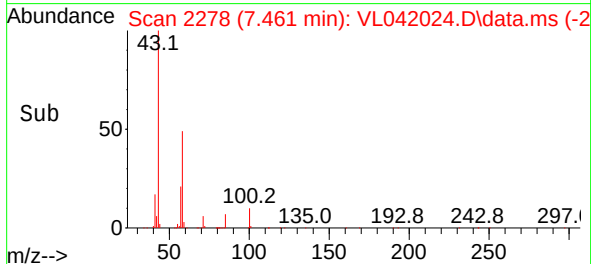
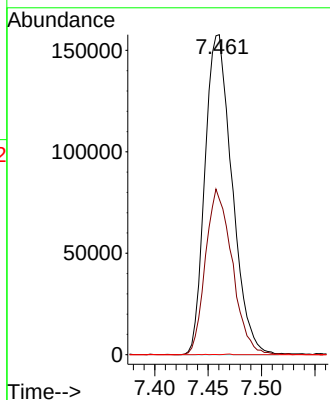
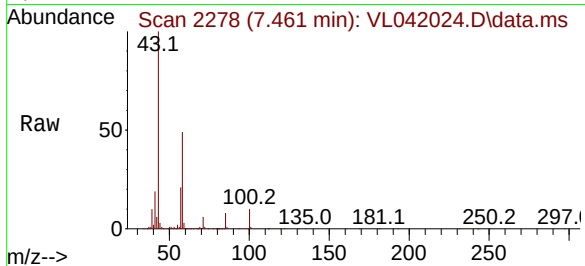




#51
 2-Hexanone
 Concen: 9.887 ppbv
 RT: 7.461 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL042024.D
 Acq: 17 Feb 2025 11:08

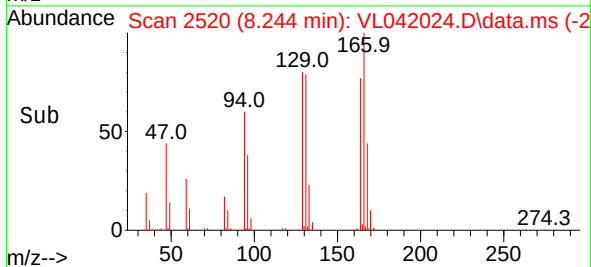
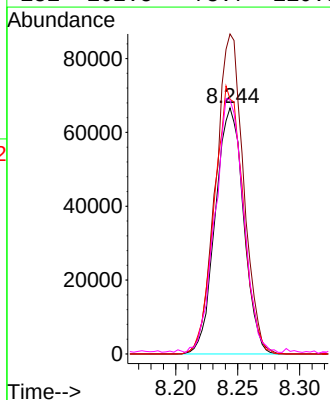
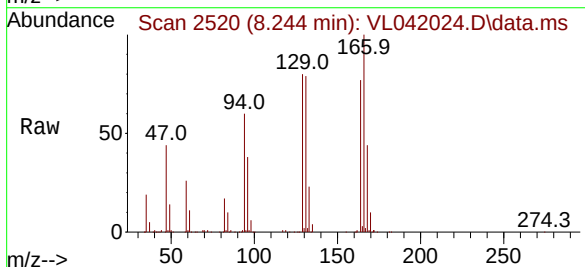
Instrument :
 MSVOA_L
 ClientSampleId :

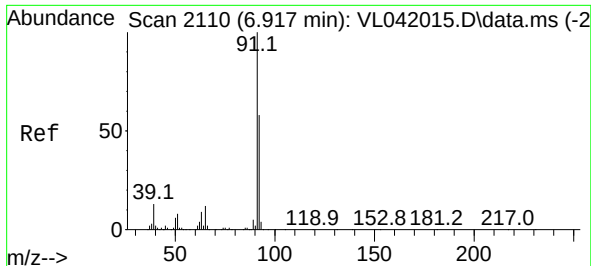
Tgt Ion: 43 Resp: 278375
 Ion Ratio Lower Upper
 43 100
 58 51.1 41.4 62.0
 98 0.1 0.0 0.0#



#52
 Tetrachloroethene
 Concen: 9.608 ppbv
 RT: 8.244 min Scan# 2520
 Delta R.T. 0.000 min
 Lab File: VL042024.D
 Acq: 17 Feb 2025 11:08

Tgt Ion:164 Resp: 105689
 Ion Ratio Lower Upper
 164 100
 166 130.0 102.2 153.2
 129 103.4 82.2 123.4
 131 102.5 73.7 110.5





#53

Toluene

Concen: 10.360 ppbv

RT: 6.956 min Scan# 2110

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

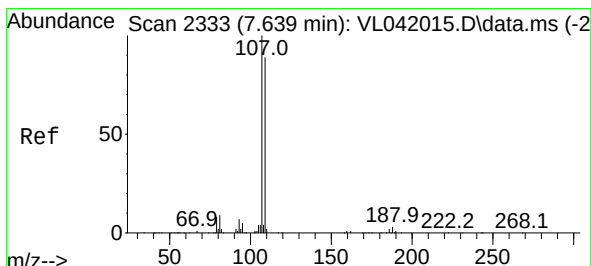
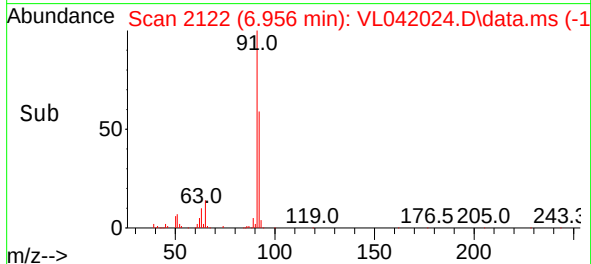
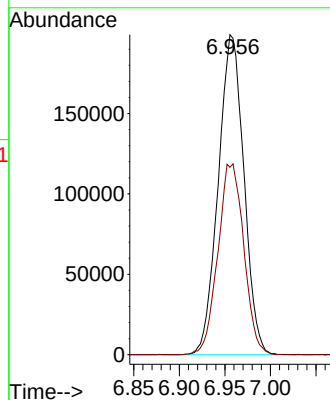
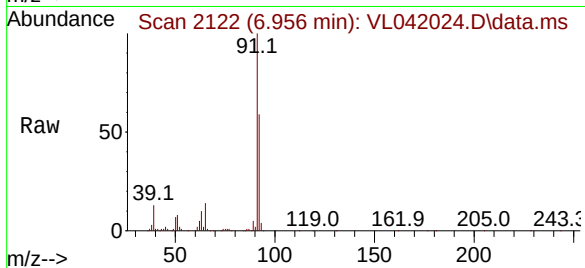
ClientSampleId :

Tgt Ion: 91 Resp: 389342

Ion Ratio Lower Upper

91 100

92 60.4 47.5 71.3



#54

1,2-Dibromoethane

Concen: 10.334 ppbv

RT: 7.674 min Scan# 2344

Delta R.T. 0.000 min

Lab File: VL042024.D

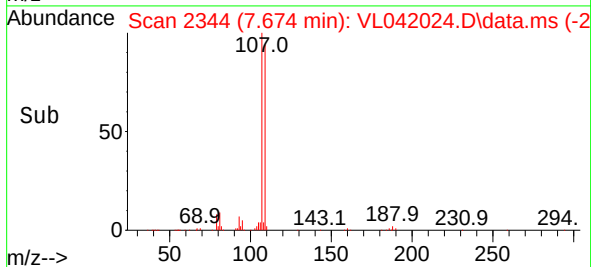
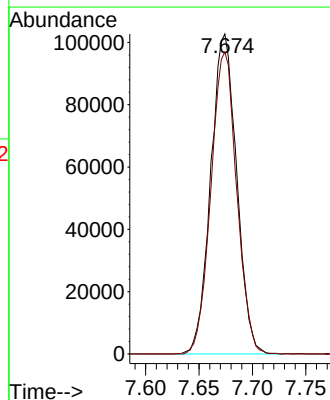
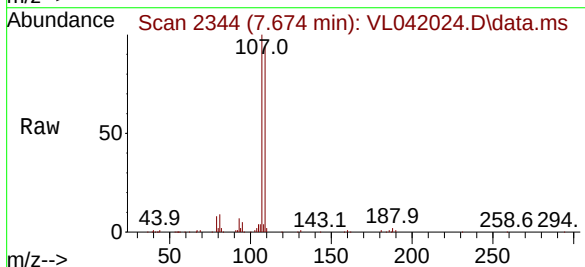
Acq: 17 Feb 2025 11:08

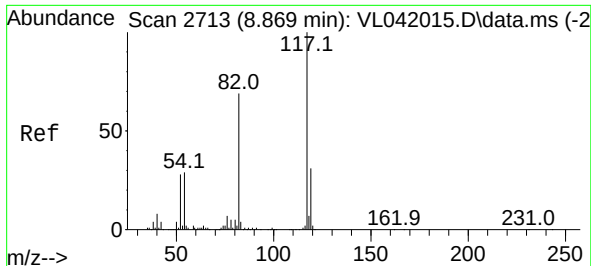
Tgt Ion: 107 Resp: 173135

Ion Ratio Lower Upper

107 100

109 94.3 71.5 107.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

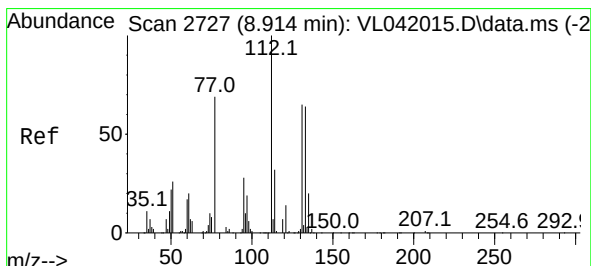
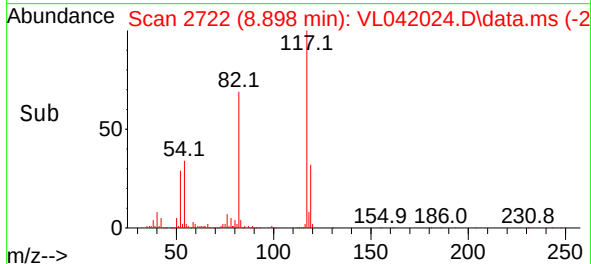
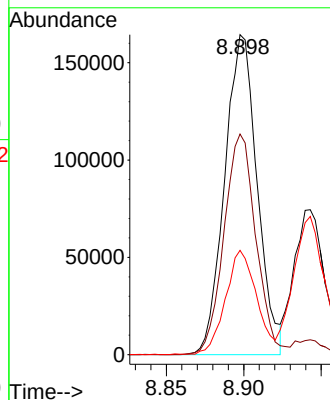
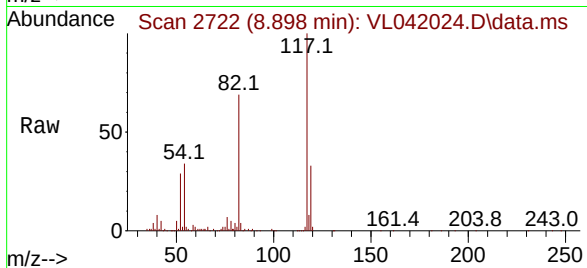
Tgt Ion:117 Resp: 240027

Ion Ratio Lower Upper

117 100

82 72.1 55.7 83.5

119 32.4 25.2 37.8



#56

1,1,1,2-Tetrachloroethane

Concen: 9.353 ppbv

RT: 8.943 min Scan# 2736

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

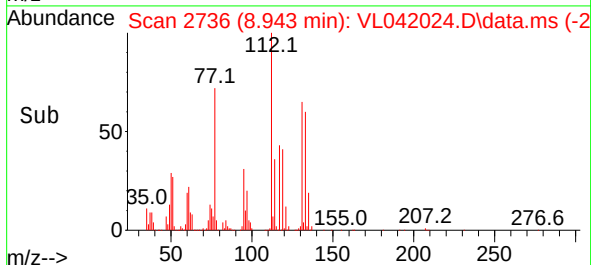
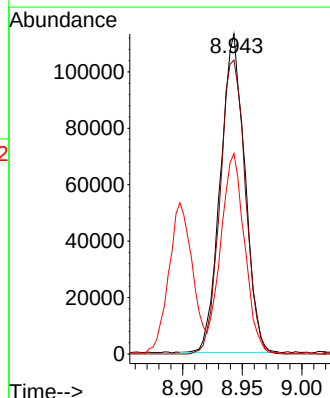
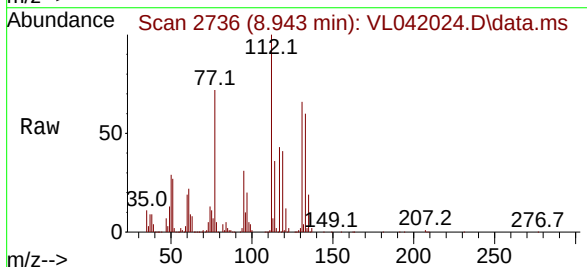
Tgt Ion:131 Resp: 160688

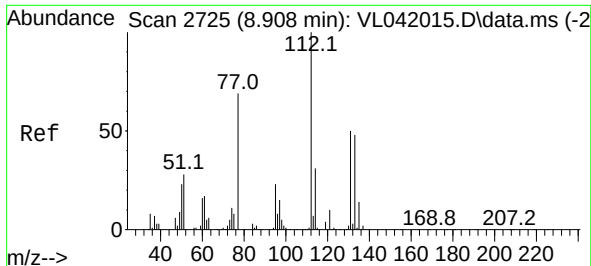
Ion Ratio Lower Upper

131 100

133 96.1 77.8 116.8

119 61.5 49.1 73.7





#57

Chlorobenzene

Concen: 9.822 ppbv

RT: 8.940 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

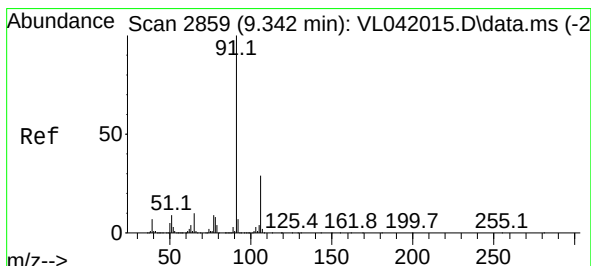
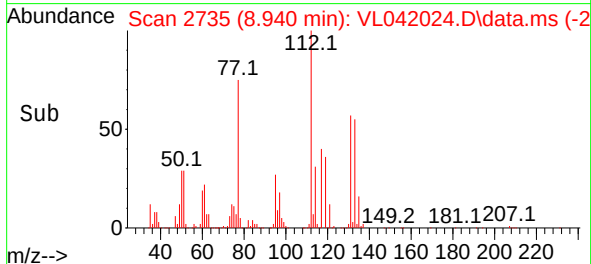
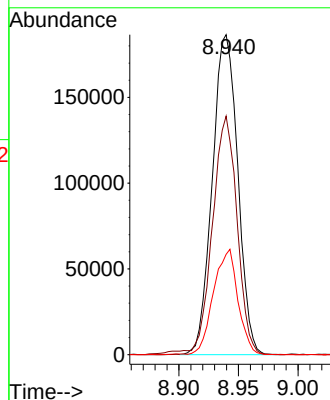
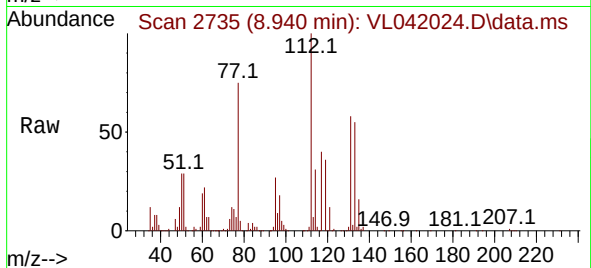
Tgt Ion:112 Resp: 277334

Ion Ratio Lower Upper

112 100

77 74.5 56.2 84.2

114 31.4 28.2 34.4



#58

Ethyl Benzene

Concen: 10.195 ppbv

RT: 9.370 min Scan# 2868

Delta R.T. 0.000 min

Lab File: VL042024.D

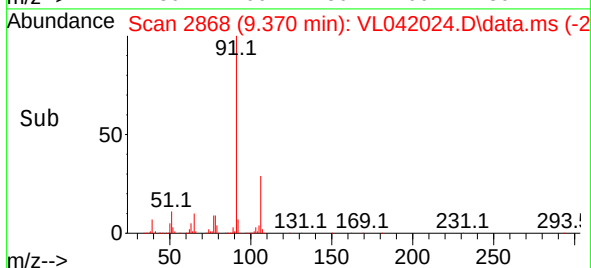
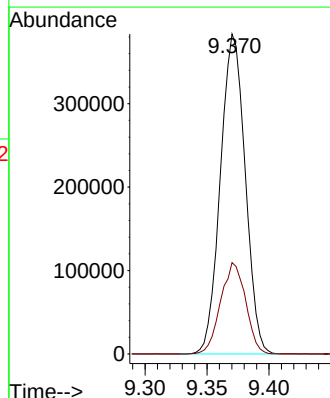
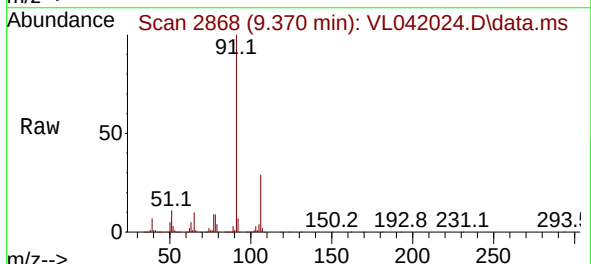
Acq: 17 Feb 2025 11:08

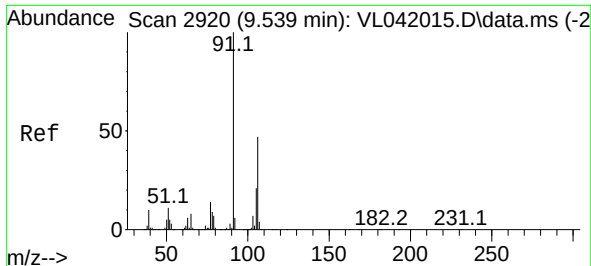
Tgt Ion: 91 Resp: 535583

Ion Ratio Lower Upper

91 100

106 28.5 23.1 34.7





#59

m/p-Xylene

Concen: 10.857 ppbv

RT: 9.548 min Scan# 2920

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

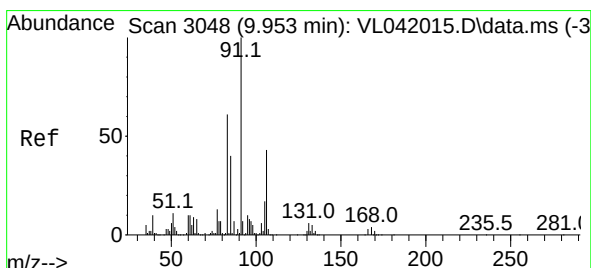
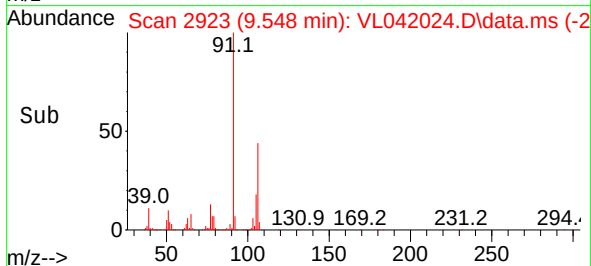
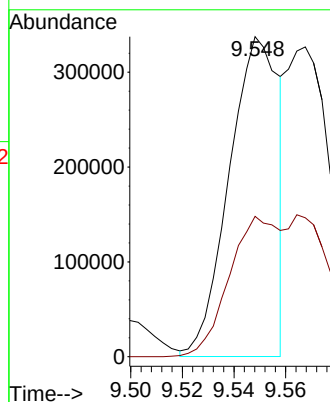
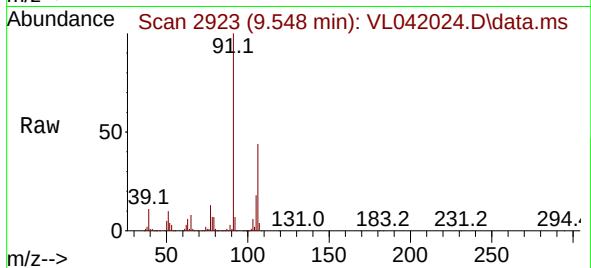
ClientSampleId :

Tgt Ion: 91 Resp: 449223

Ion Ratio Lower Upper

91 100

106 0.0 35.8 53.8#



#60

o-Xylene

Concen: 9.918 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. 0.000 min

Lab File: VL042024.D

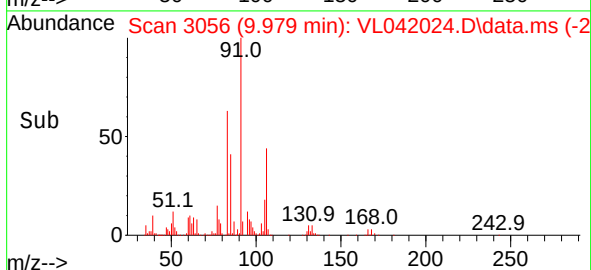
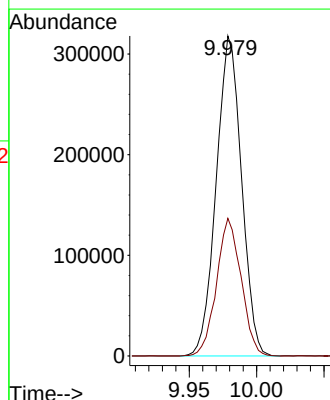
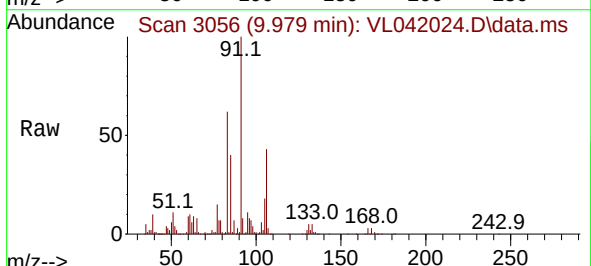
Acq: 17 Feb 2025 11:08

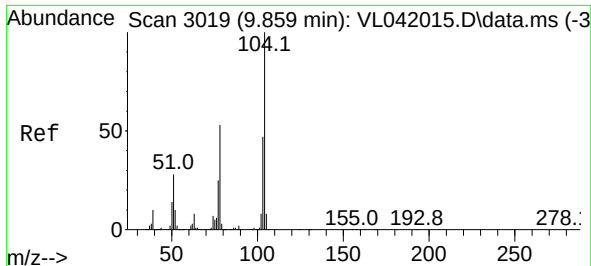
Tgt Ion: 91 Resp: 415053

Ion Ratio Lower Upper

91 100

106 41.8 21.4 64.3

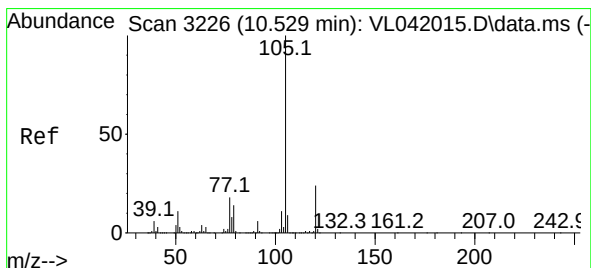
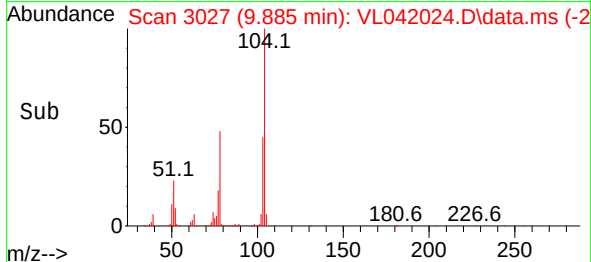
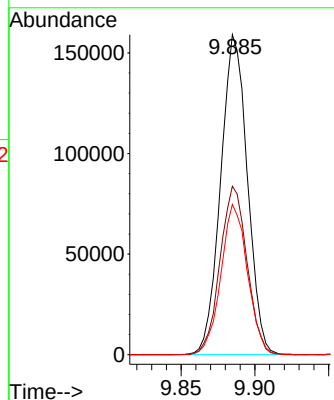
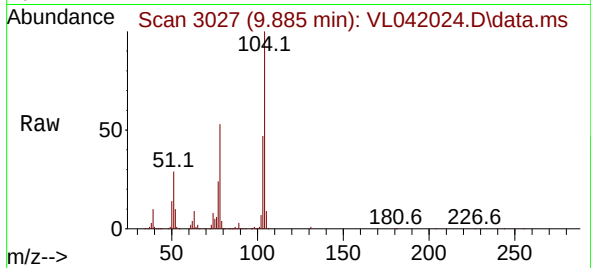




#61
Styrene
Concen: 10.028 ppbv
RT: 9.885 min Scan# 3019
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

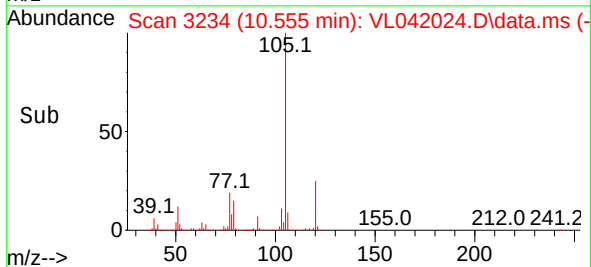
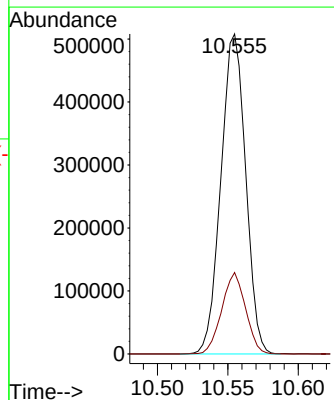
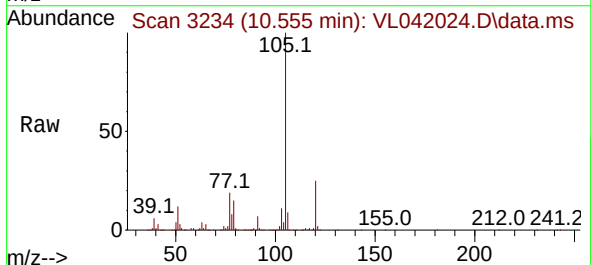
Instrument :
MSVOA_L
ClientSampleId :

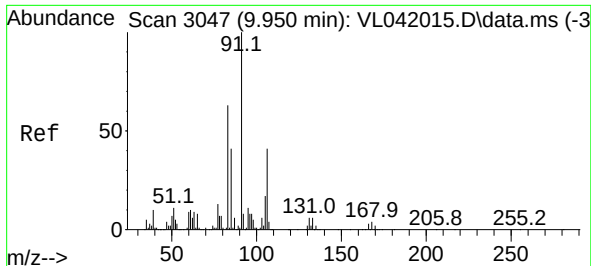
Tgt Ion:104 Resp: 200116
Ion Ratio Lower Upper
104 100
78 53.3 42.2 63.4
103 46.9 38.1 57.1



#62
Isopropylbenzene
Concen: 9.897 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

Tgt Ion:105 Resp: 621783
Ion Ratio Lower Upper
105 100
120 24.4 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 9.293 ppbv

RT: 9.979 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

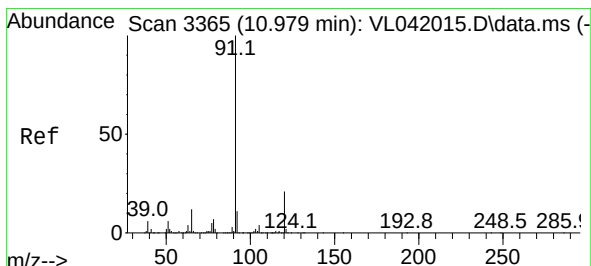
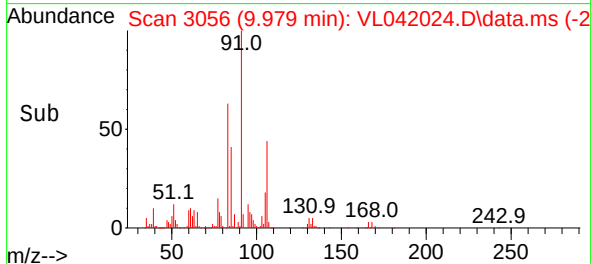
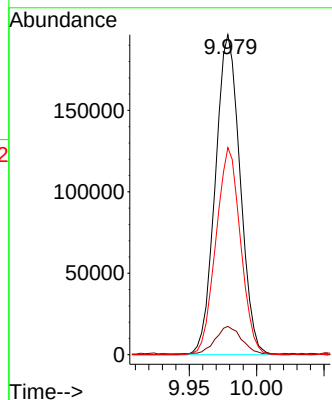
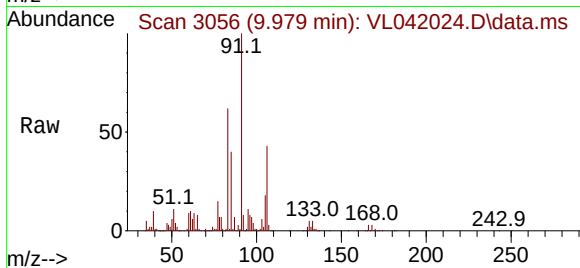
Tgt Ion: 83 Resp: 250914

Ion Ratio Lower Upper

83 100

131 9.3 5.0 15.0

85 64.4 32.1 96.3



#64

n-propylbenzene

Concen: 9.697 ppbv

RT: 11.005 min Scan# 3373

Delta R.T. 0.000 min

Lab File: VL042024.D

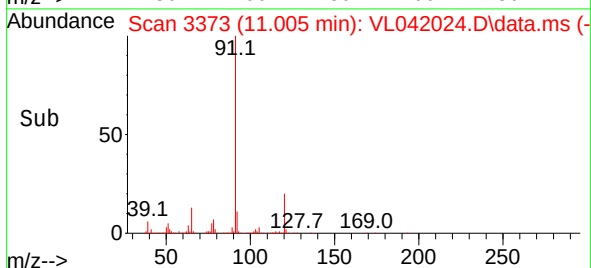
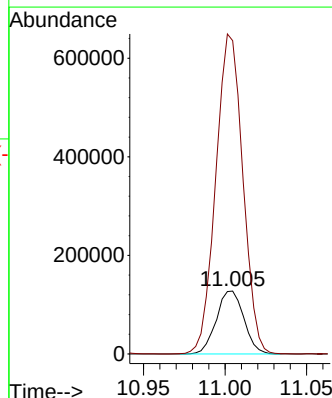
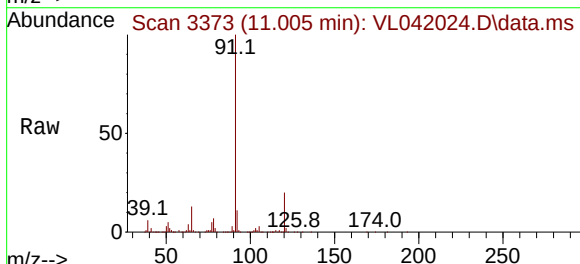
Acq: 17 Feb 2025 11:08

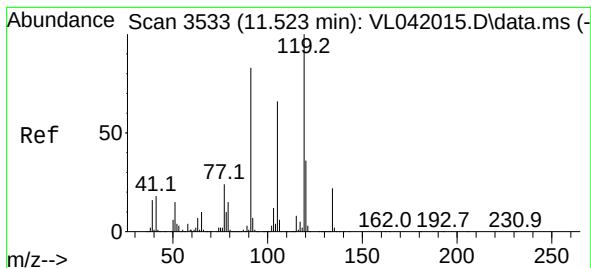
Tgt Ion:120 Resp: 149691

Ion Ratio Lower Upper

120 100

91 501.4 392.2 588.2





#65

tert-Butylbenzene

Concen: 9.756 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

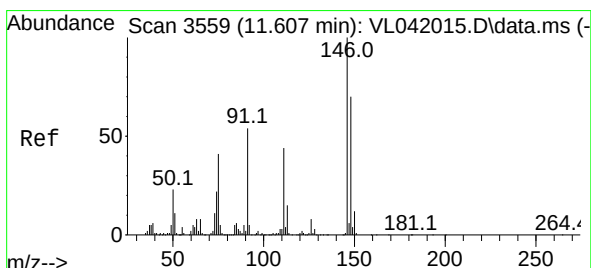
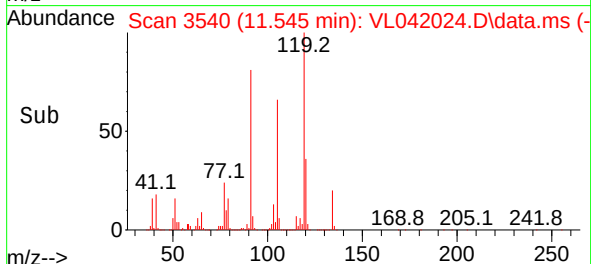
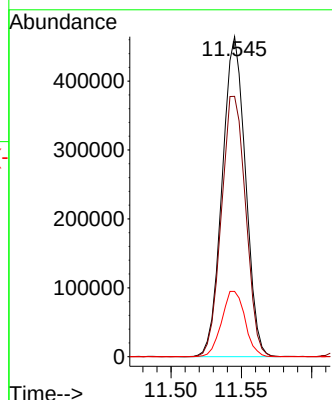
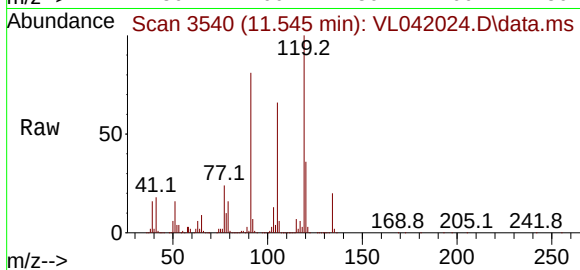
Tgt Ion:119 Resp: 534319

Ion Ratio Lower Upper

119 100

91 84.8 66.5 99.7

134 20.5 16.6 24.8



#66

Benzyl Chloride

Concen: 10.162 ppbv

RT: 11.629 min Scan# 3566

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

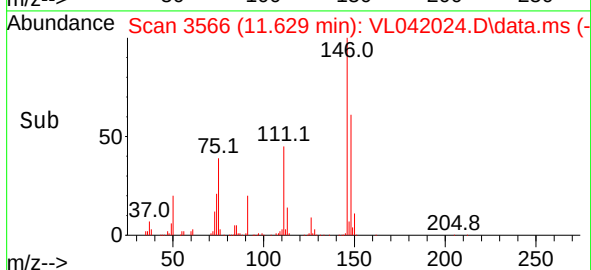
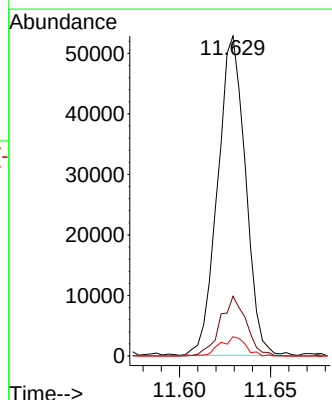
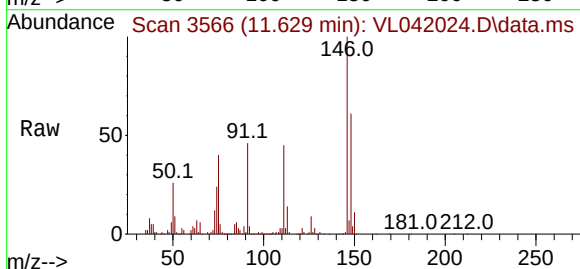
Tgt Ion: 91 Resp: 55792

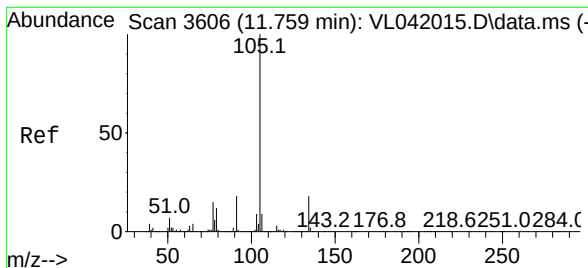
Ion Ratio Lower Upper

91 100

126 17.6 13.8 20.6

128 5.6 4.1 6.1

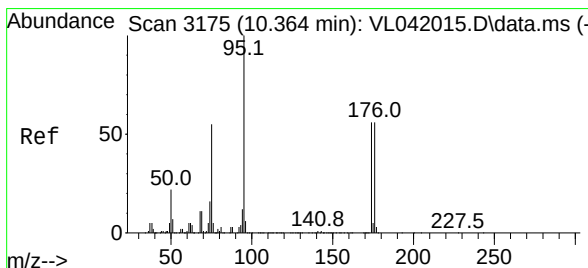
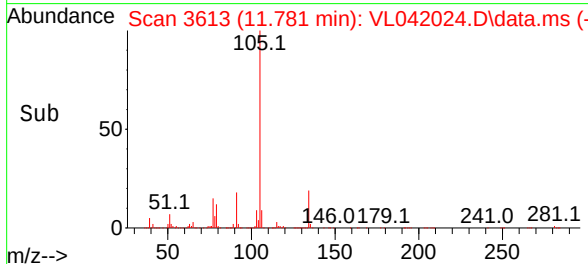
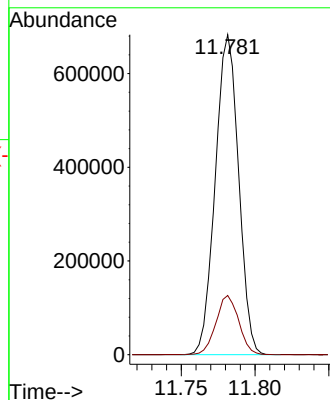
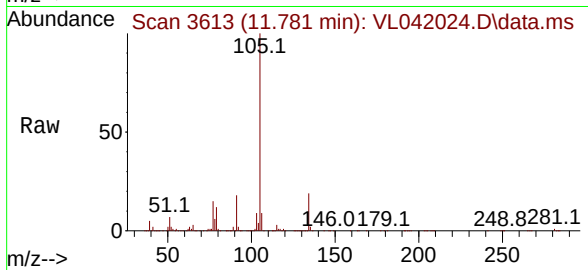




#67
 sec-Butylbenzene
 Concen: 9.768 ppbv
 RT: 11.781 min Scan# 3613
 Delta R.T. 0.000 min
 Lab File: VL042024.D
 Acq: 17 Feb 2025 11:08

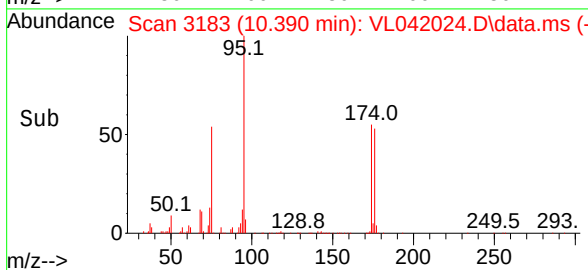
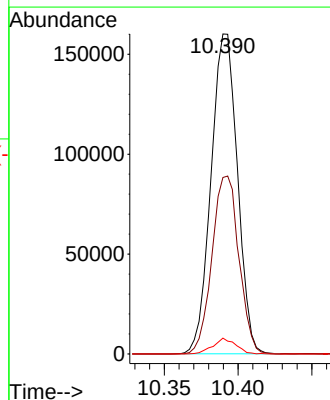
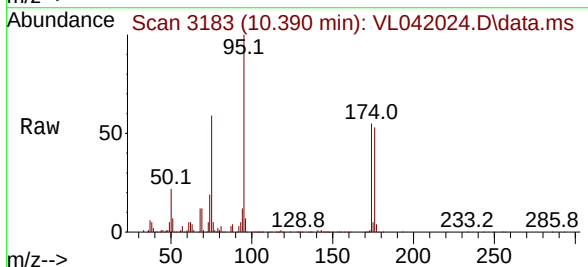
Instrument :
 MSVOA_L
 ClientSampleId :

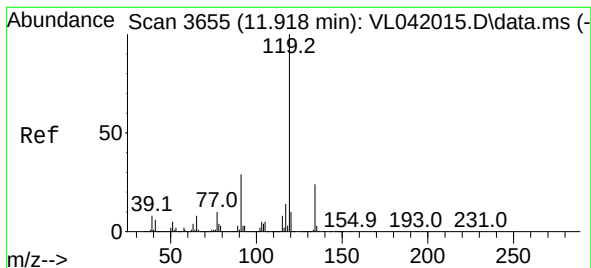
Tgt Ion:105 Resp: 751459
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.076 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. 0.000 min
 Lab File: VL042024.D
 Acq: 17 Feb 2025 11:08

Tgt Ion: 95 Resp: 199503
 Ion Ratio Lower Upper
 95 100
 174 56.6 46.7 70.1
 175 4.3 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.540 ppbv

RT: 11.940 min Scan# 3662

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

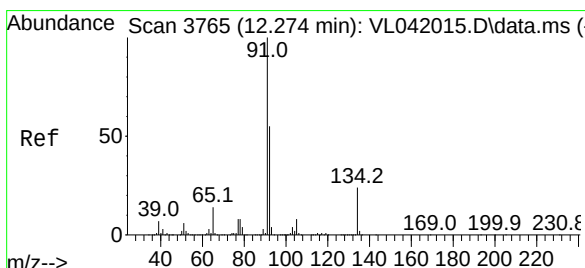
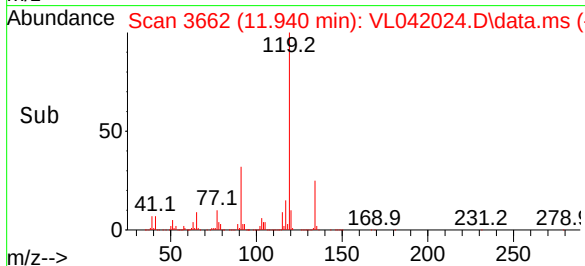
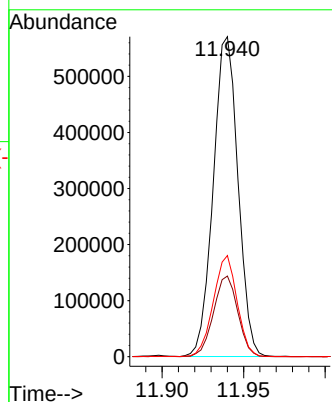
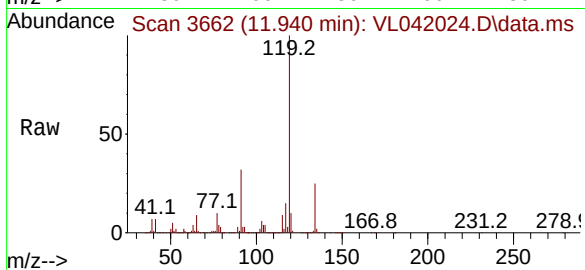
Tgt Ion:119 Resp: 600772

Ion Ratio Lower Upper

119 100

134 24.9 19.4 29.0

91 30.6 23.4 35.2



#70

n-Butylbenzene

Concen: 9.866 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

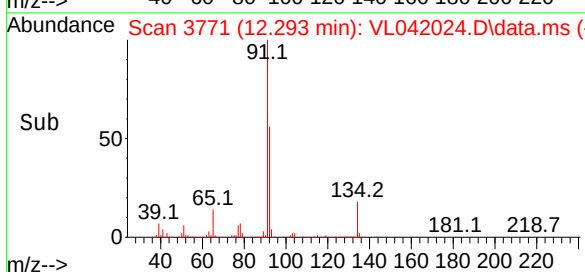
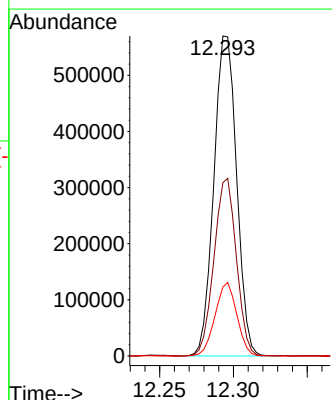
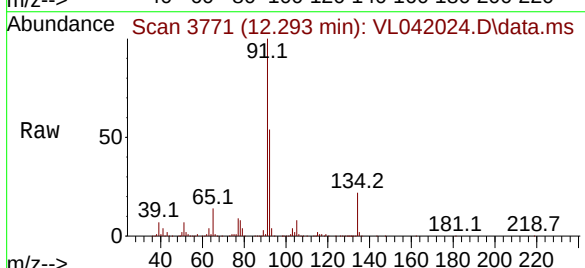
Tgt Ion: 91 Resp: 612046

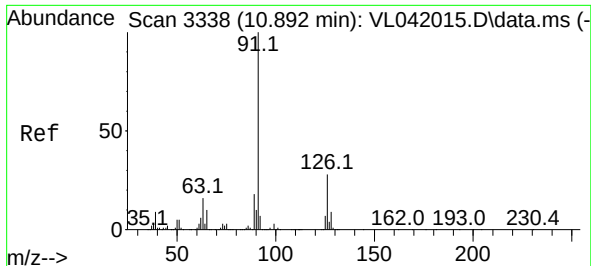
Ion Ratio Lower Upper

91 100

92 54.8 43.8 65.8

134 22.0 18.6 27.8

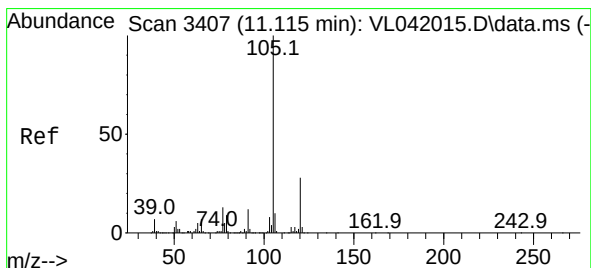
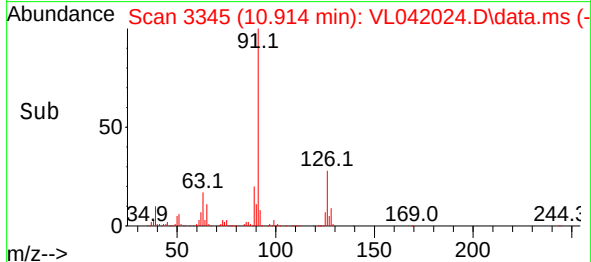
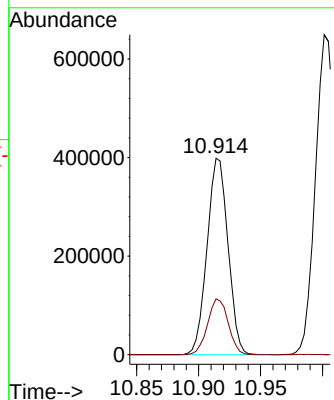
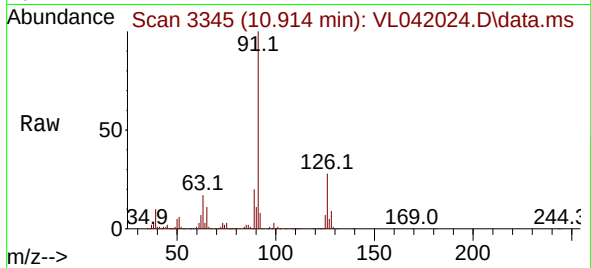




#71
2-Chlorotoluene
Concen: 9.925 ppbv
RT: 10.914 min Scan# 3414
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

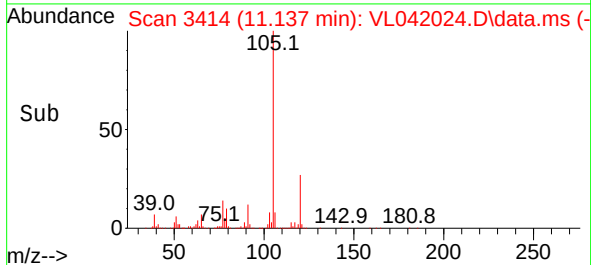
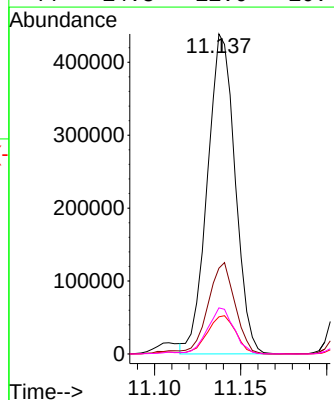
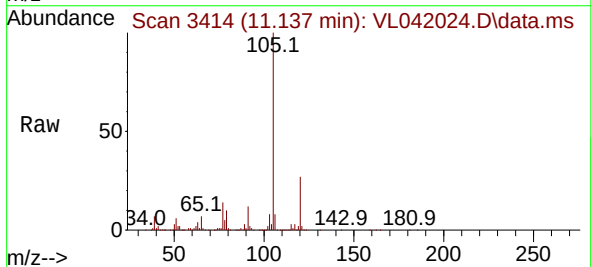
Instrument :
MSVOA_L
ClientSampleId :

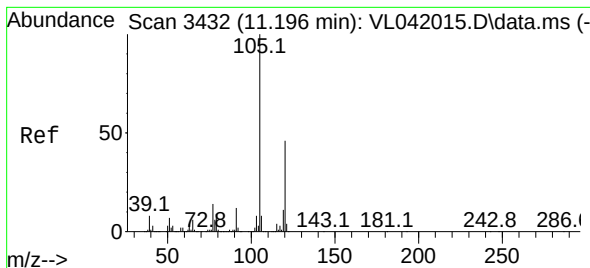
Tgt Ion: 91 Resp: 469585
Ion Ratio Lower Upper
91 100
126 28.0 11.2 45.0



#72
4-Ethyltoluene
Concen: 10.006 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. 0.000 min
Lab File: VL042024.D
Acq: 17 Feb 2025 11:08

Tgt Ion: 105 Resp: 490569
Ion Ratio Lower Upper
105 100
120 28.6 22.7 34.1
91 12.8 10.2 15.2
77 14.3 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 10.014 ppbv

RT: 11.218 min Scan# 3439

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_1

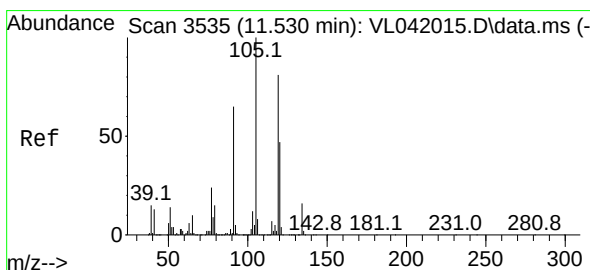
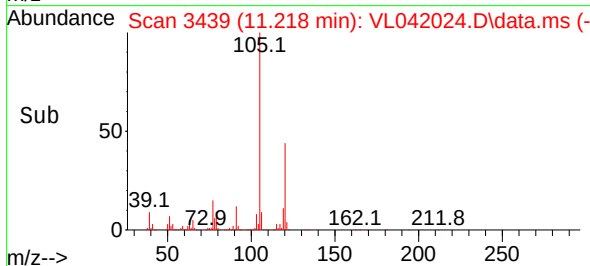
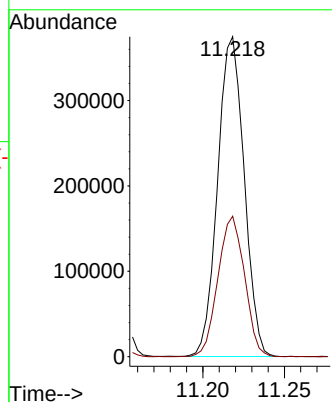
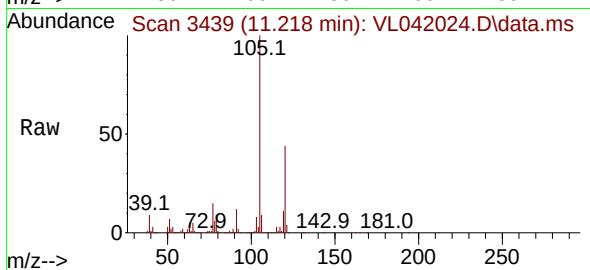
ClientSampleId :

Tgt Ion:105 Resp: 423504

Ion Ratio Lower Upper

105 100

120 43.9 37.1 55.7



#74

1,2,4-Trimethylbenzene

Concen: 9.714 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Tgt Ion:105 Resp: 440938

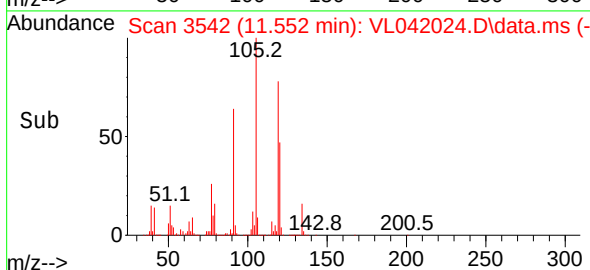
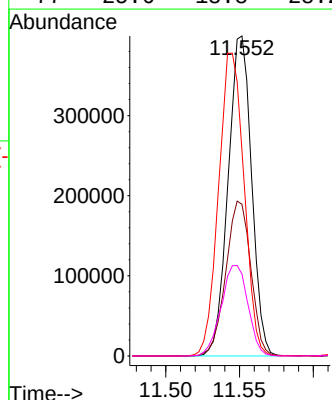
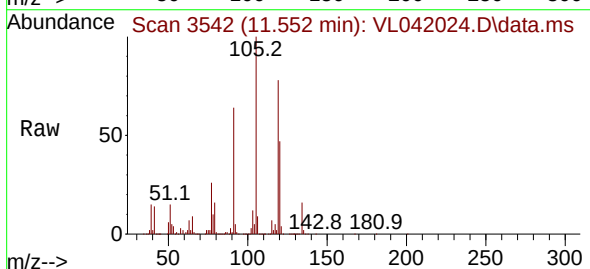
Ion Ratio Lower Upper

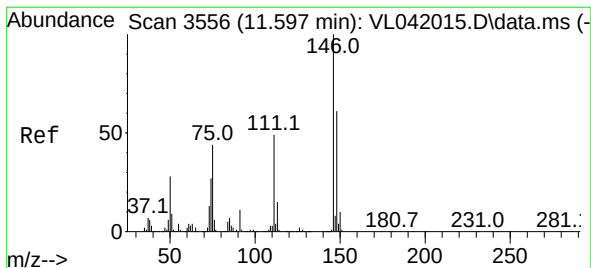
105 100

120 47.4 37.5 56.3

91 64.2 51.7 77.5

77 25.6 18.8 28.2





#75

1,3-Dichlorobenzene

Concen: 9.718 ppbv

RT: 11.623 min Scan# 3556

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

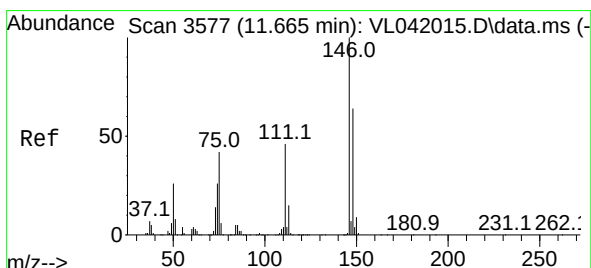
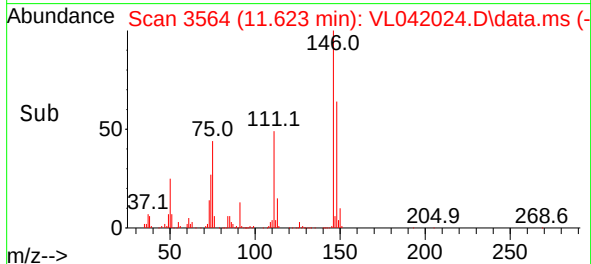
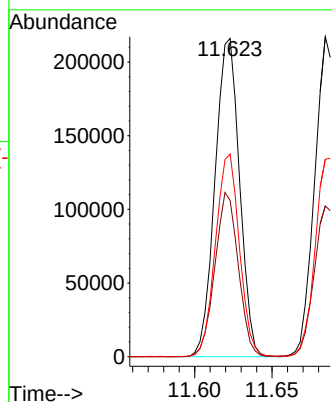
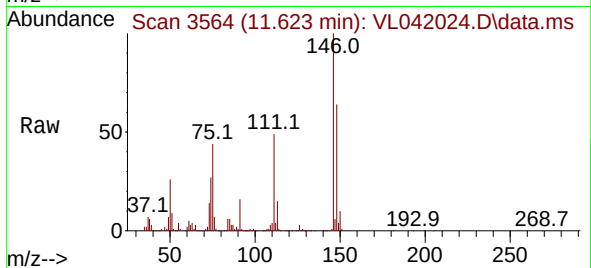
Tgt Ion:146 Resp: 237424

Ion Ratio Lower Upper

146 100

111 49.5 23.9 71.7

148 62.2 31.5 94.5



#76

1,4-Dichlorobenzene

Concen: 9.738 ppbv

RT: 11.684 min Scan# 3583

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

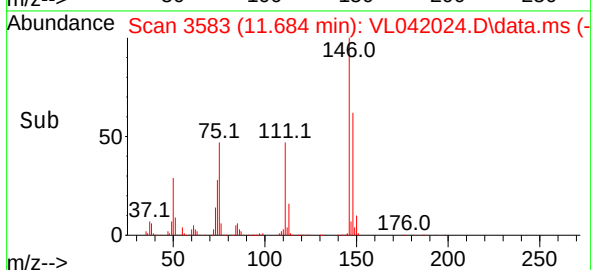
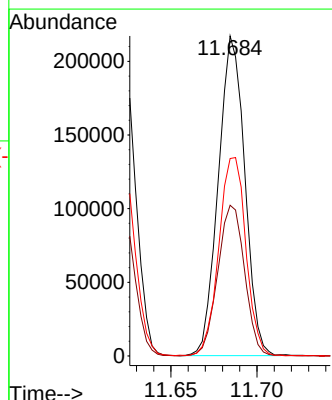
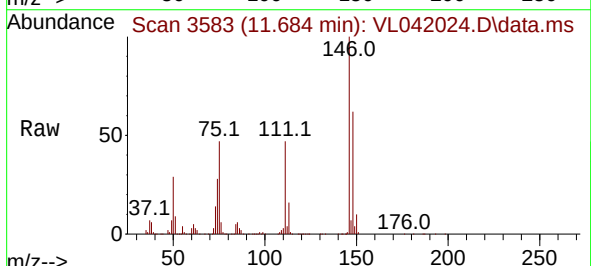
Tgt Ion:146 Resp: 232017

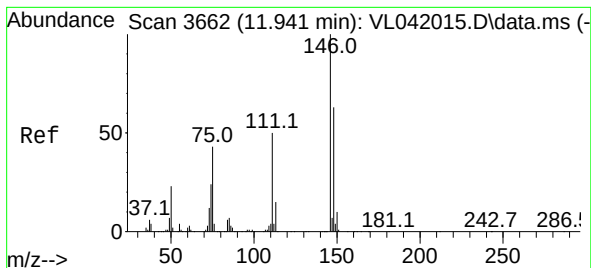
Ion Ratio Lower Upper

146 100

111 48.1 23.5 70.5

148 63.9 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 9.558 ppbv

RT: 11.959 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

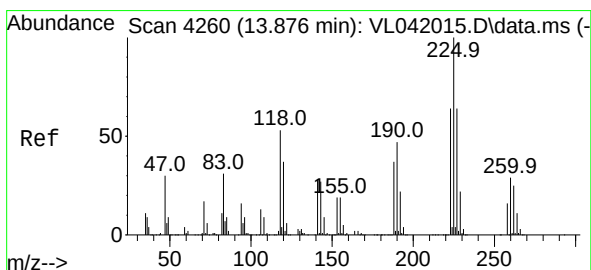
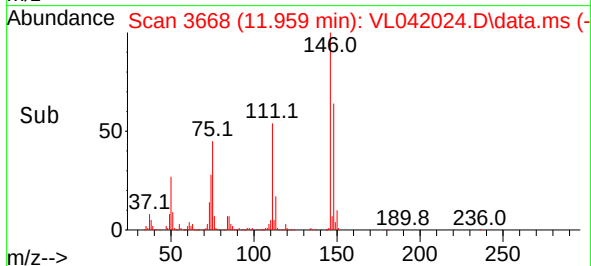
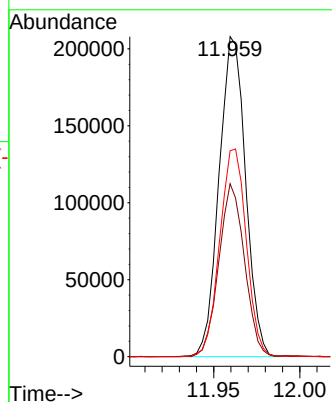
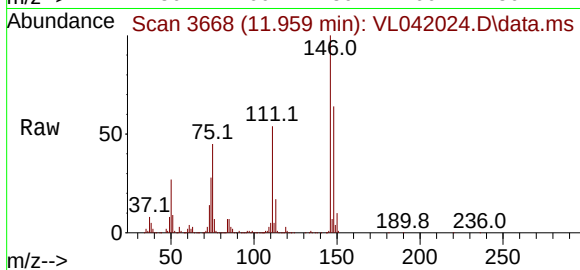
Tgt Ion:146 Resp: 223231

Ion Ratio Lower Upper

146 100

111 52.4 25.6 76.8

148 65.2 31.9 95.7



#78

Hexachloro-1,3-Butadiene

Concen: 8.127 ppbv

RT: 13.895 min Scan# 4266

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

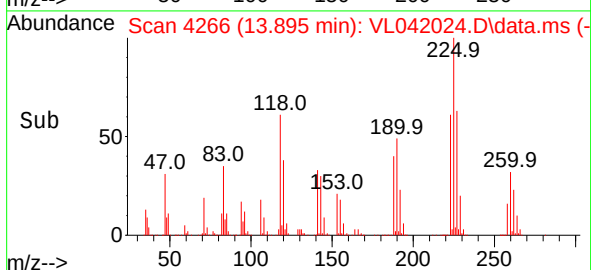
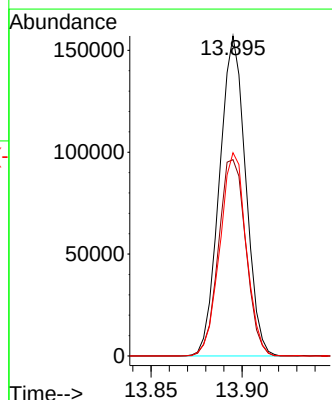
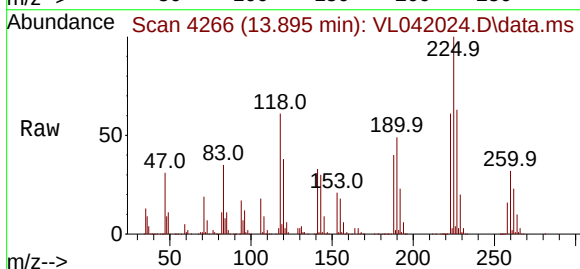
Tgt Ion:225 Resp: 157035

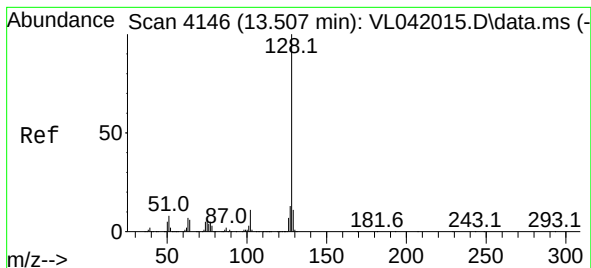
Ion Ratio Lower Upper

225 100

223 64.1 50.6 75.8

227 63.6 50.9 76.3





#79

Naphthalene

Concen: 7.871 ppbv

RT: 13.526 min Scan# 4146

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

Instrument :

MSVOA_L

ClientSampleId :

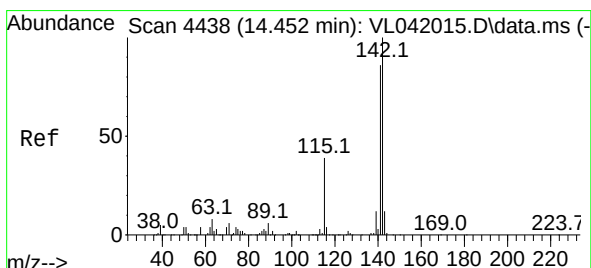
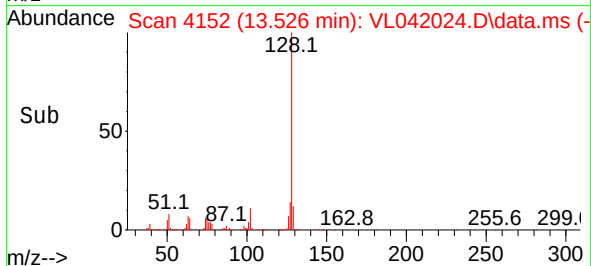
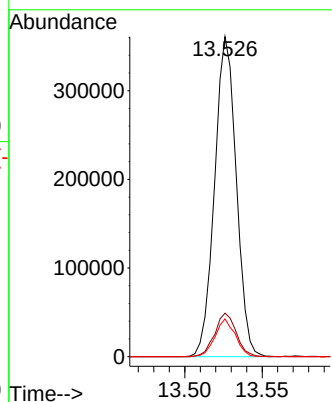
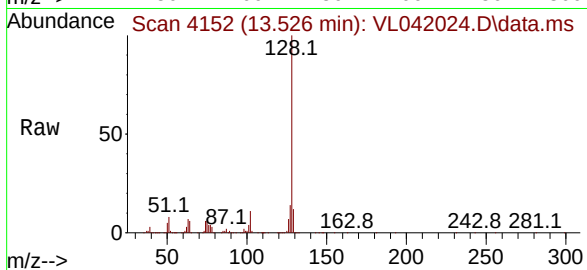
Tgt Ion:128 Resp: 351408

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.2

129 11.8 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 5.893 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. 0.000 min

Lab File: VL042024.D

Acq: 17 Feb 2025 11:08

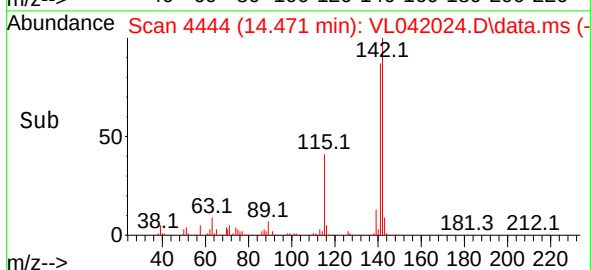
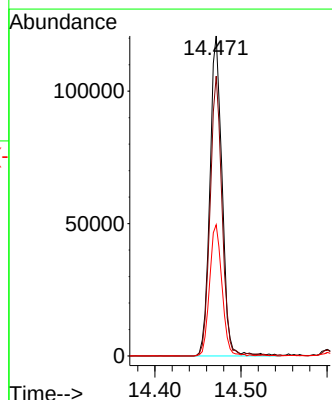
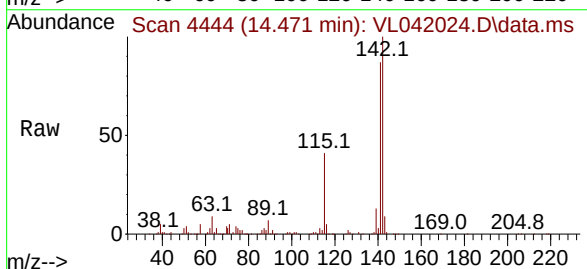
Tgt Ion:142 Resp: 119116

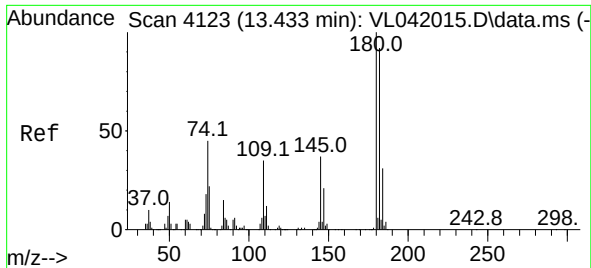
Ion Ratio Lower Upper

142 100

141 86.4 68.2 102.2

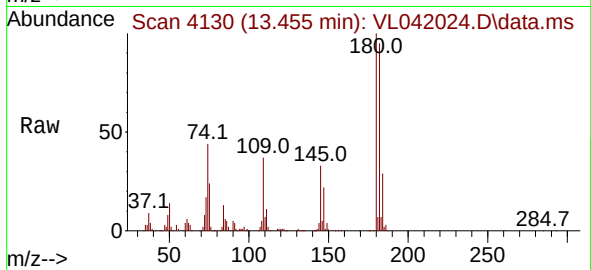
115 41.6 33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.627 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042024.D
 Acq: 17 Feb 2025 11:08

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 156576
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.8 113.6
 184 29.7 24.2 36.4

