

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021725\
 Data File : VL042032.D
 Acq On : 17 Feb 2025 16:01
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 18 00:18:49 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	2.797	49	101770	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	270626	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	243854	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	203385	10.111	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	161731	9.232	ppbv	95
3) Chlorodifluoromethane	1.479	51	211300	10.910	ppbv	98
4) Chloromethane	1.538	50	60352	8.865	ppbv	99
5) Vinyl Chloride	1.583	62	57779	7.097	ppbv	97
6) Bromomethane	1.670	94	26894	8.522	ppbv	89
7) Chloroethane	1.709	64	23555	8.878	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	132128	8.573	ppbv	99
9) Propene	1.486	41	84245	10.089	ppbv	97
10) Heptane	4.998	43	239803	10.342	ppbv	99
11) Trichlorofluoromethane	1.884	101	159055	9.021	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	119998	8.728	ppbv	100
13) Ethanol	1.729	45	4922	5.226	ppbv	81
14) Bromoethene	1.787	108	45433	8.849	ppbv	96
15) Acetone	1.839	43	130864	7.790	ppbv	96
16) 1,3-Butadiene	1.612	39	63250	7.937	ppbv	100
17) tert-Butyl alcohol	2.046	59	174870	8.413	ppbv	99
18) 1,1-Dichloroethene	2.039	96	55354	8.425	ppbv	97
19) Isopropyl Alcohol	1.891	45	78213	8.303	ppbv	99
20) Methylene Chloride	2.069	84	49564	7.838	ppbv	95
21) Allyl Chloride	2.104	41	103066	8.475	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	62316	8.740	ppbv	91
23) Vinyl Acetate	2.470	43	84099	9.246	ppbv	98
24) 1,1-Dichloroethane	2.418	63	124712	8.615	ppbv	98
25) Ethyl Acetate	2.845	43	482577	10.467	ppbv	99
26) Hexane	2.836	57	197373	10.668	ppbv	97
27) Carbon Disulfide	2.156	76	152489	8.763	ppbv	97
28) Methyl tert-Butyl Ether	2.447	73	98819	8.737	ppbv	100
29) Chloroform	2.858	83	273511	10.207	ppbv	97
30) Cyclohexane	3.871	84	164513	10.961	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	191022	10.446	ppbv	97
32) 1,1,1-Trichloroethane	3.379	97	276224	9.295	ppbv	97
34) 2-Butanone	2.567	43	277945	11.938	ppbv	100
35) Carbon Tetrachloride	3.777	117	273955	10.425	ppbv	99
36) Benzene	3.671	78	387549	11.822	ppbv	98
37) 1,2-Dichloroethane	3.231	62	222386	11.917	ppbv	98
38) Trichloroethene	4.570	130	141862	10.652	ppbv	94
39) 1,2-Dichloropropane	4.328	63	140237	11.668	ppbv	95
40) 1,4-Dioxane	4.600	88	68085	10.887	ppbv #	87
41) Tetrahydrofuran	3.065	42	161259	12.119	ppbv	99
42) Bromodichloromethane	4.506	83	305786	12.095	ppbv	93
43) Methyl Methacrylate	4.901	69	161651	10.817	ppbv	97
44) 2,2,4-Trimethylpentane	4.661	57	662080	11.897	ppbv	98
45) t-1,3-Dichloropropene	6.438	75	169473	12.013	ppbv	93

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 ALS Vial : 1 Sample Multiplier: 1

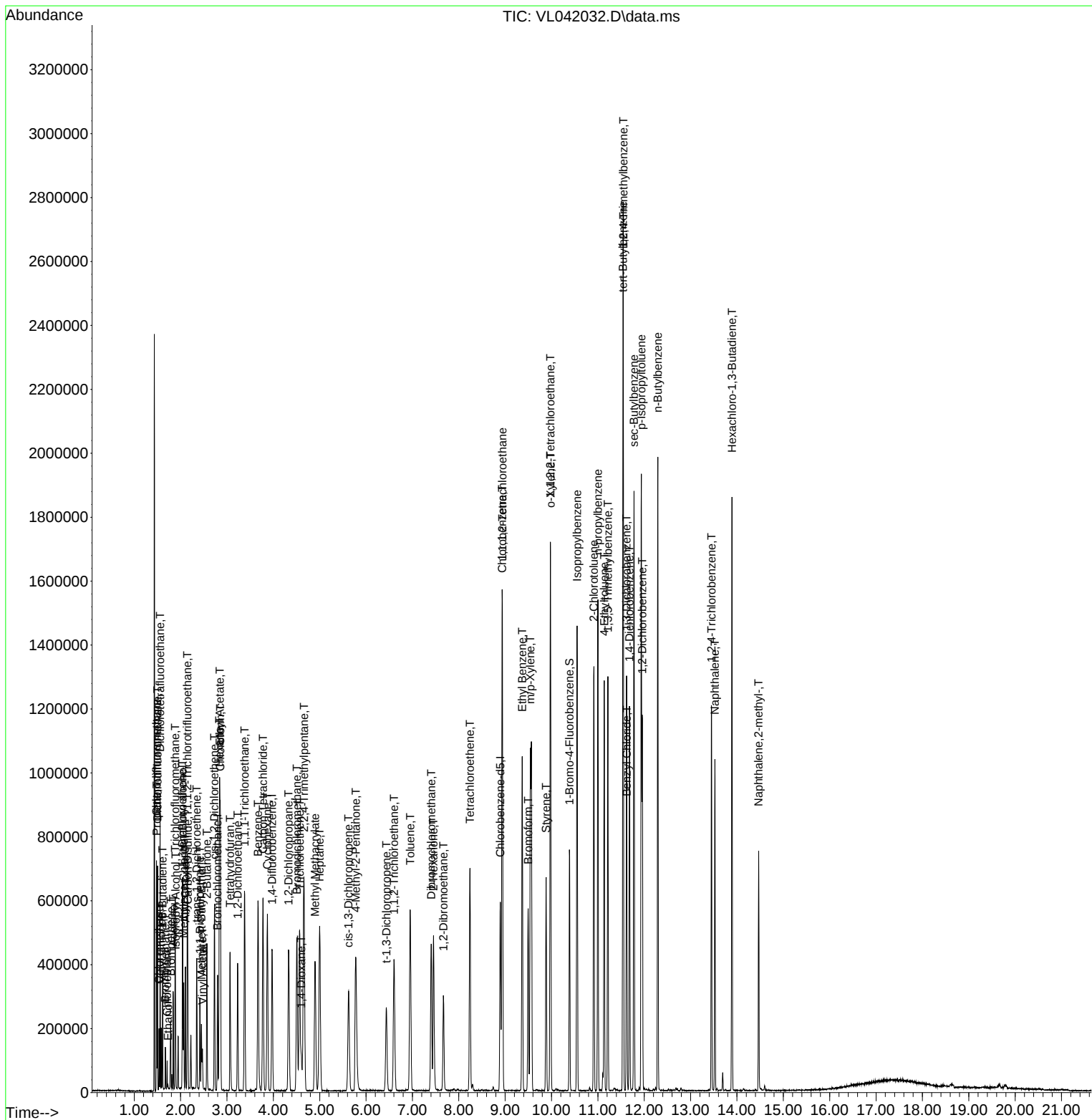
Instrument :
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 ClientSampleId :

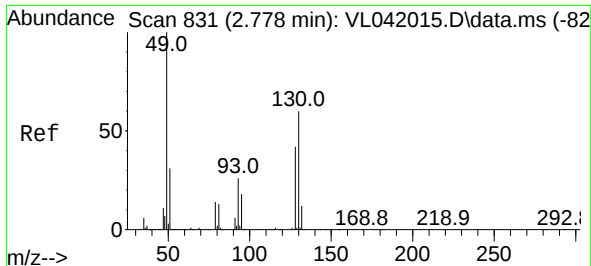
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 18 00:13:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	213163	11.909	ppbv	97
47) 1,1,2-Trichloroethane	6.603	97	141599	11.195	ppbv	99
48) Dibromochloromethane	7.406	129	227320	10.731	ppbv	97
49) Bromoform	9.497	173	188005	10.820	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	405187	11.324	ppbv	99
51) 2-Hexanone	7.454	43	331086	11.313	ppbv #	100
52) Tetrachloroethene	8.241	164	115317	10.085	ppbv	96
53) Toluene	6.953	91	438790	11.233	ppbv	98
54) 1,2-Dibromoethane	7.668	107	199355	11.447	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.940	131	173735	9.954	ppbv	98
57) Chlorobenzene	8.933	112	314283	10.956	ppbv	96
58) Ethyl Benzene	9.367	91	610136	11.432	ppbv	98
59) m/p-Xylene	9.545	91	509159	12.112	ppbv #	31
60) o-Xylene	9.979	91	473878	11.146	ppbv	99
61) Styrene	9.885	104	233441	11.515	ppbv	98
62) Isopropylbenzene	10.552	105	695496	10.896	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	297014	10.828	ppbv	99
64) n-propylbenzene	11.002	120	174797	11.145	ppbv	97
65) tert-Butylbenzene	11.542	119	582531	10.469	ppbv	95
66) Benzyl Chloride	11.626	91	63565	11.397	ppbv	97
67) sec-Butylbenzene	11.778	105	858669	10.986	ppbv	98
69) p-Isopropyltoluene	11.937	119	691315	10.805	ppbv	98
70) n-Butylbenzene	12.293	91	736580	11.688	ppbv	98
71) 2-Chlorotoluene	10.914	91	545190	11.342	ppbv	98
72) 4-Ethyltoluene	11.138	105	565164	11.347	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	482520	11.230	ppbv	94
74) 1,2,4-Trimethylbenzene	11.549	105	502270	10.892	ppbv	95
75) 1,3-Dichlorobenzene	11.620	146	277092	11.163	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	276464	11.421	ppbv	98
77) 1,2-Dichlorobenzene	11.960	146	264461	11.145	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	184335	9.390	ppbv	100
79) Naphthalene	13.523	128	465626	10.265	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	206234	10.043	ppbv	98
81) 1,2,4-Trichlorobenzene	13.452	180	191253	10.372	ppbv	99

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

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

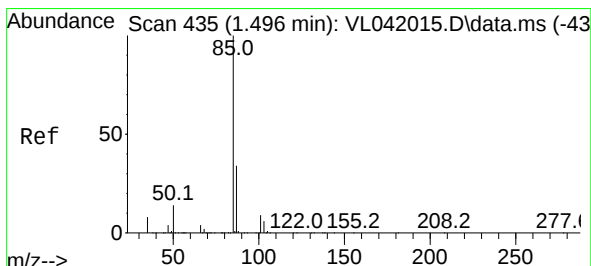
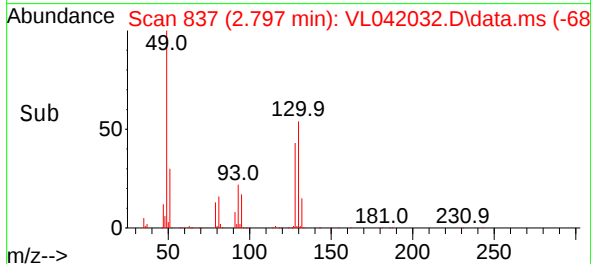
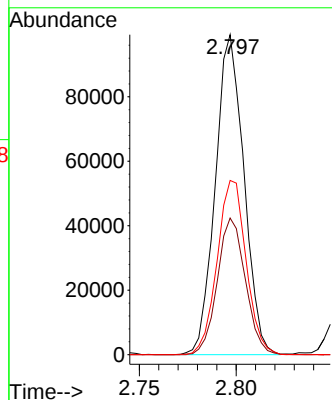
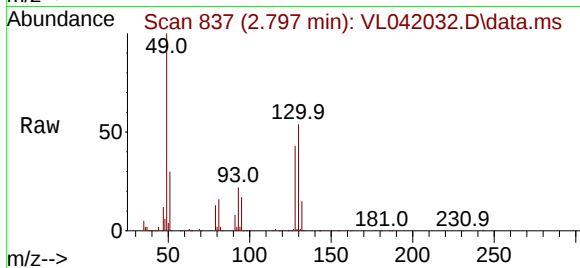




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

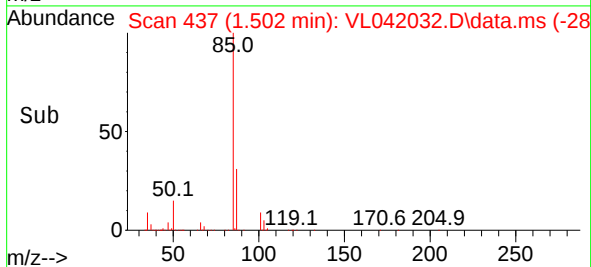
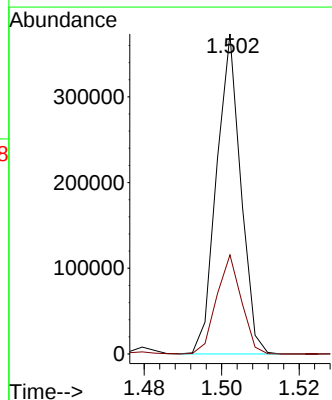
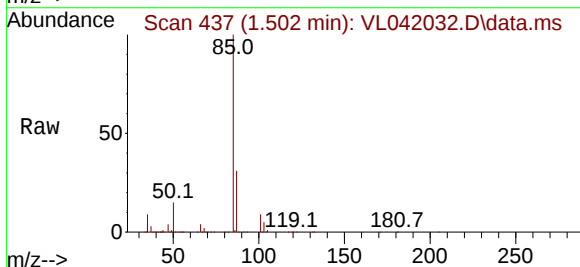
Instrument :
MSVOA_L
ClientSampleId :

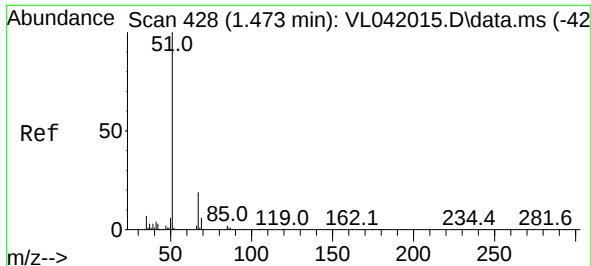
Tgt Ion: 49 Resp: 101770
Ion Ratio Lower Upper
49 100
128 42.0 22.7 68.0
130 55.3 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 9.232 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

Tgt Ion: 85 Resp: 161731
Ion Ratio Lower Upper
85 100
87 31.0 26.9 40.3

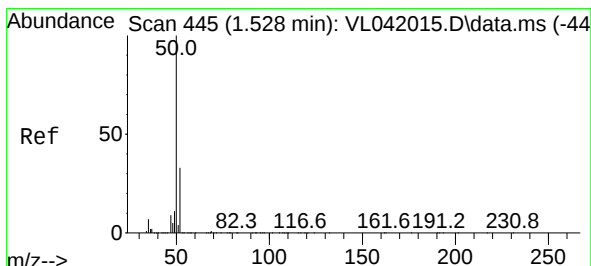
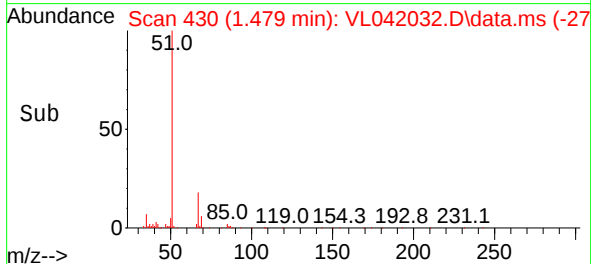
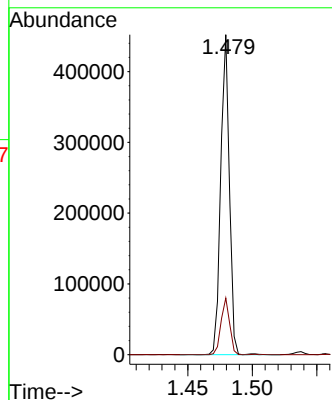
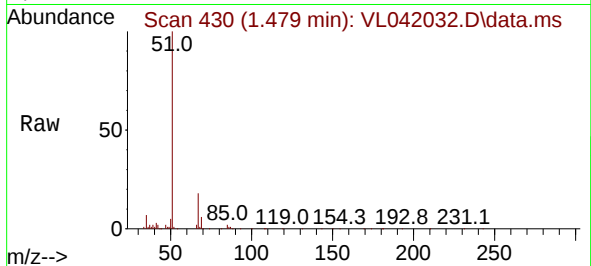




#3
Chlorodifluoromethane
Concen: 10.910 ppbv
RT: 1.479 min Scan# 441
Delta R.T. 0.000 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

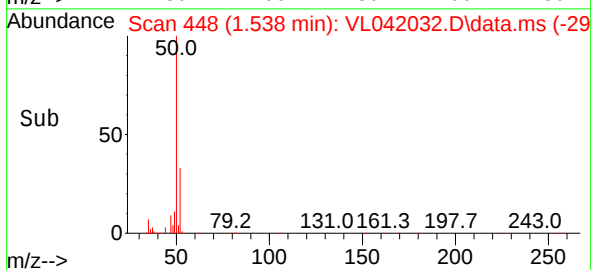
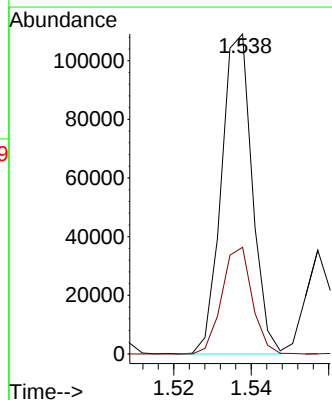
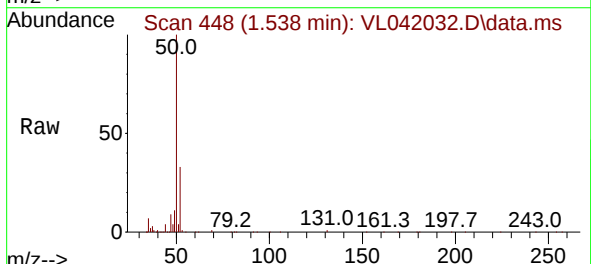
Instrument :
MSVOA_L
ClientSampleId :

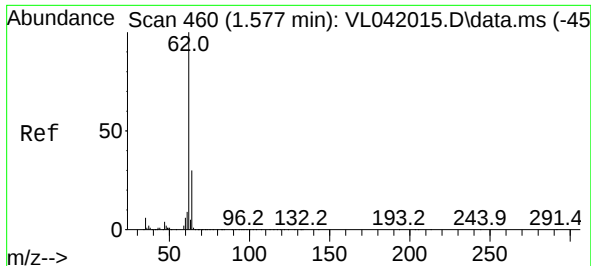
Tgt Ion: 51 Resp: 211300
Ion Ratio Lower Upper
51 100
67 17.8 15.0 22.6



#4
Chloromethane
Concen: 8.865 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

Tgt Ion: 50 Resp: 60352
Ion Ratio Lower Upper
50 100
52 33.4 26.2 39.2

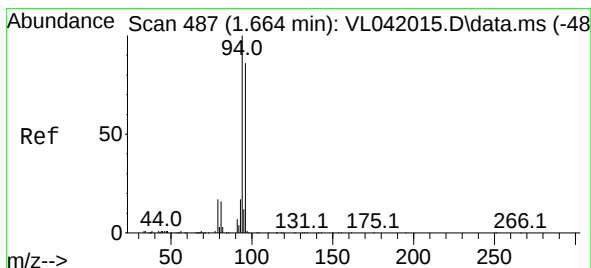
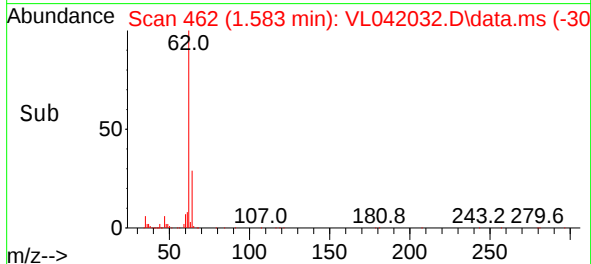
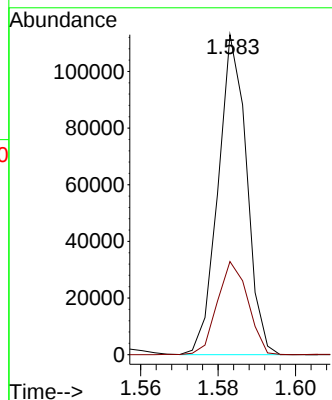
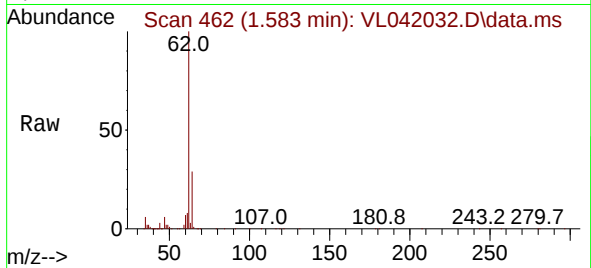




#5
 Vinyl Chloride
 Concen: 7.097 ppbv
 RT: 1.583 min Scan# 4
 Delta R.T. -0.003 min
 Lab File: VL042032.D
 Acq: 17 Feb 2025 16:01

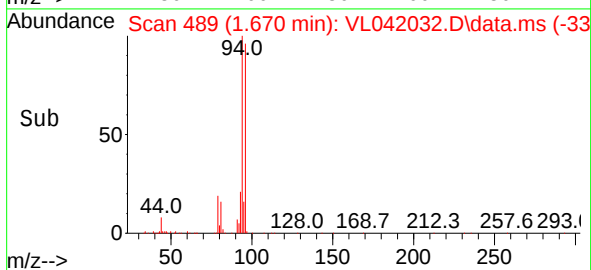
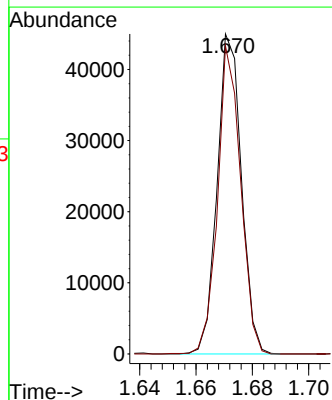
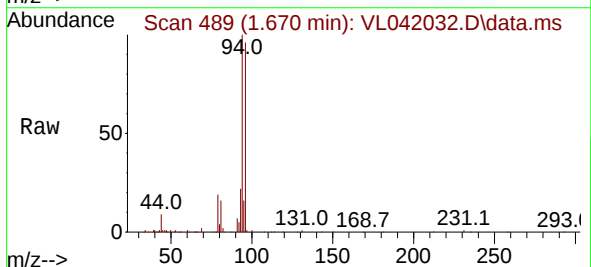
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 ClientSampleId :

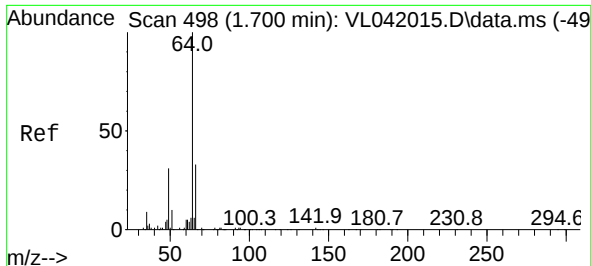
Tgt Ion: 62 Resp: 57779
 Ion Ratio Lower Upper
 62 100
 64 29.0 24.4 36.6



#6
 Bromomethane
 Concen: 8.522 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL042032.D
 Acq: 17 Feb 2025 16:01

Tgt Ion: 94 Resp: 26894
 Ion Ratio Lower Upper
 94 100
 96 96.2 69.0 103.6

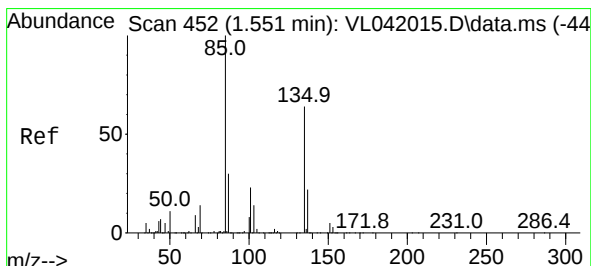
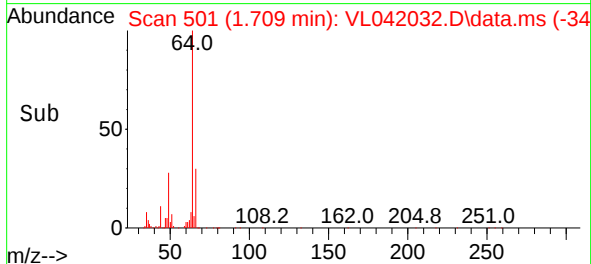
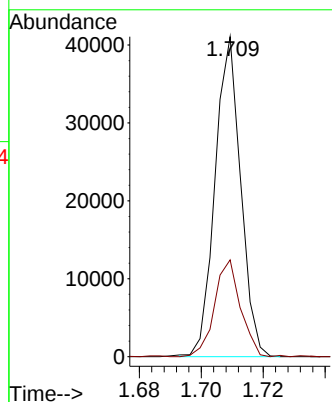
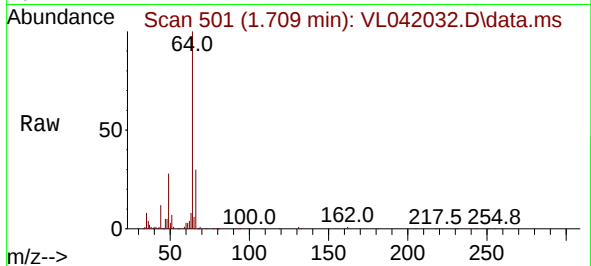




#7
Chloroethane
Concen: 8.878 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

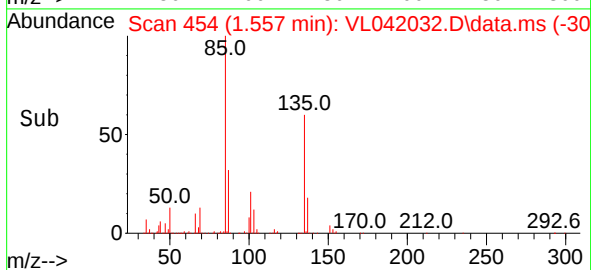
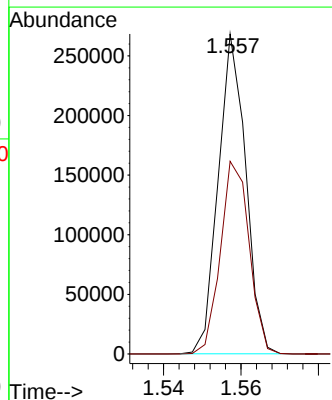
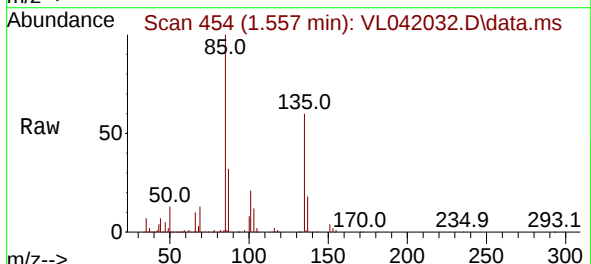
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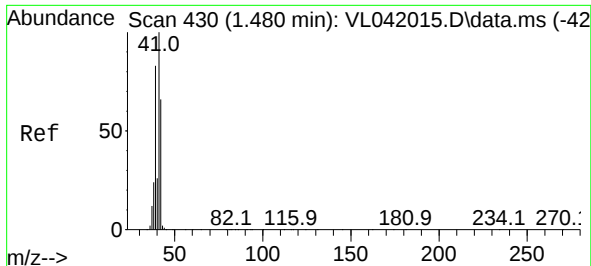
Tgt Ion: 64 Resp: 23555
Ion Ratio Lower Upper
64 100
66 30.2 26.5 39.7



#8
Dichlorotetrafluoroethane
Concen: 8.573 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

Tgt Ion: 85 Resp: 132128
Ion Ratio Lower Upper
85 100
135 63.1 50.9 76.3





#9

Propene

Concen: 10.089 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

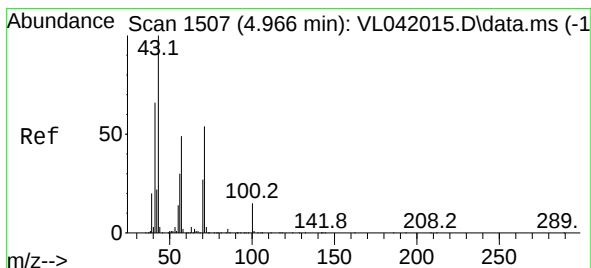
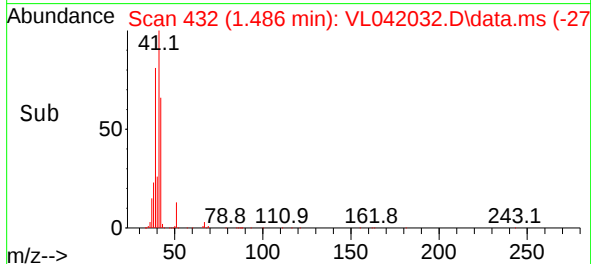
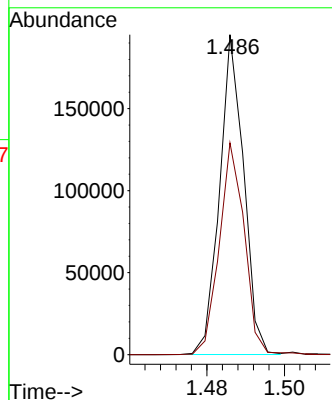
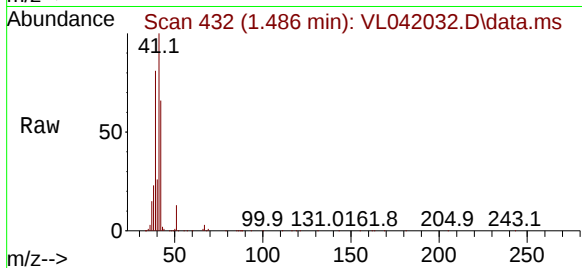
ClientSampleId :

Tgt Ion: 41 Resp: 84245

Ion Ratio Lower Upper

41 100

42 69.2 53.5 80.3



#10

Heptane

Concen: 10.342 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. -0.006 min

Lab File: VL042032.D

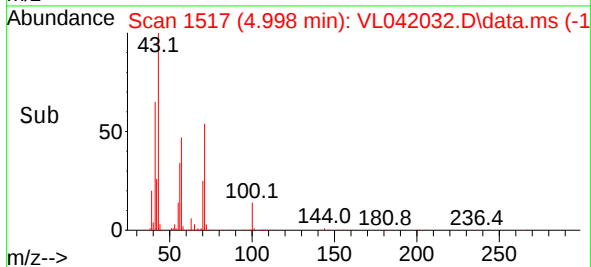
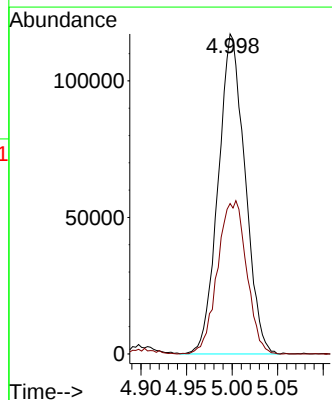
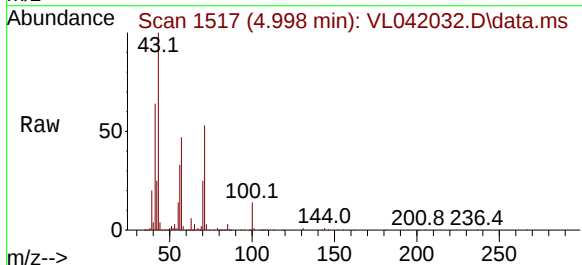
Acq: 17 Feb 2025 16:01

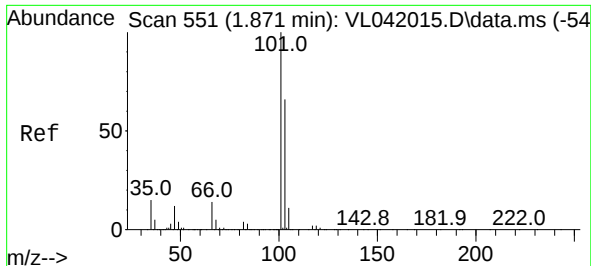
Tgt Ion: 43 Resp: 239803

Ion Ratio Lower Upper

43 100

57 51.8 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.021 ppbv

RT: 1.884 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

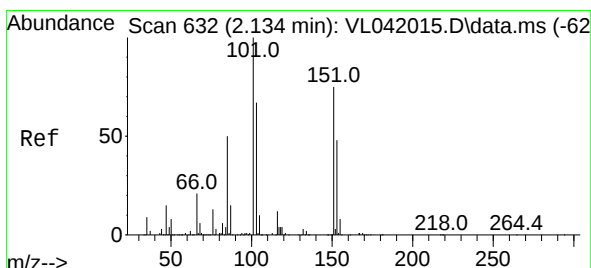
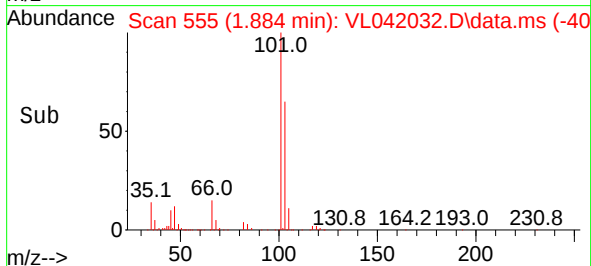
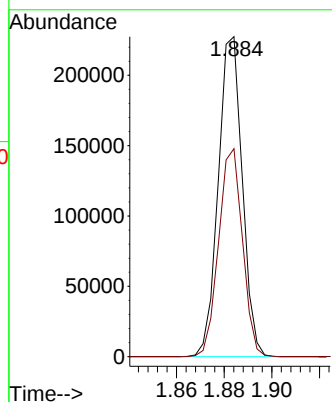
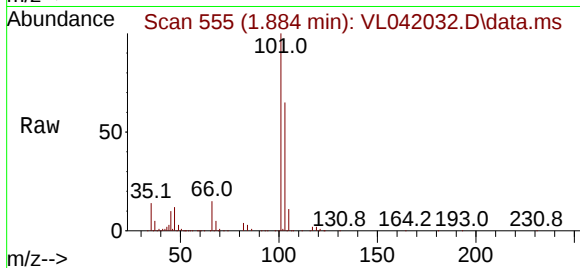
ClientSampleId :

Tgt Ion:101 Resp: 159055

Ion Ratio Lower Upper

101 100

103 65.0 52.9 79.3



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.728 ppbv

RT: 2.146 min Scan# 636

Delta R.T. -0.003 min

Lab File: VL042032.D

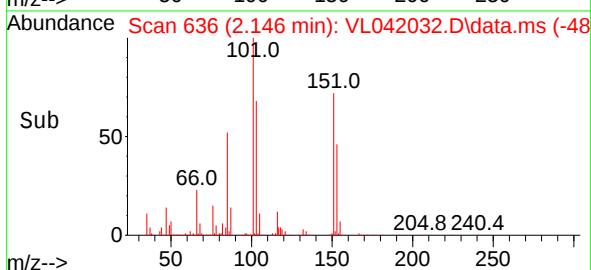
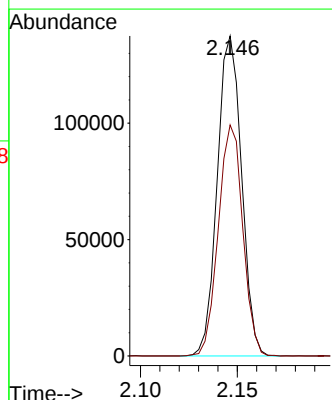
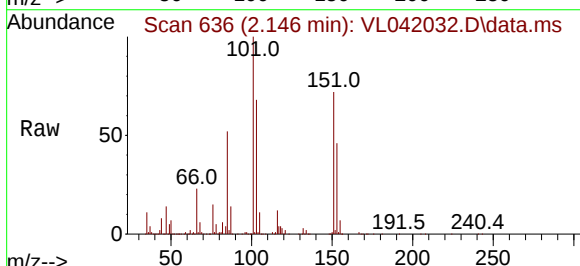
Acq: 17 Feb 2025 16:01

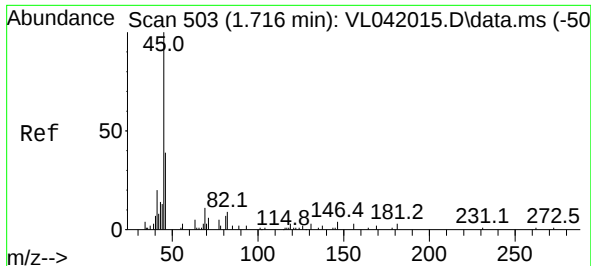
Tgt Ion:101 Resp: 119998

Ion Ratio Lower Upper

101 100

151 72.6 58.2 87.2





#13

Ethanol

Concen: 5.226 ppbv

RT: 1.729 min Scan# 503

Delta R.T. 0.000 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

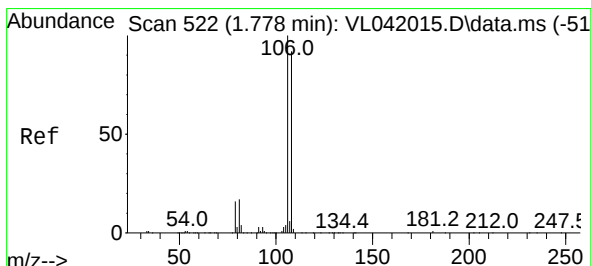
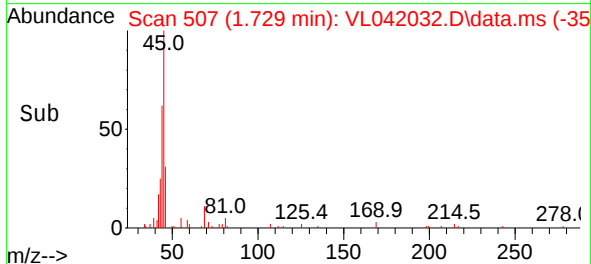
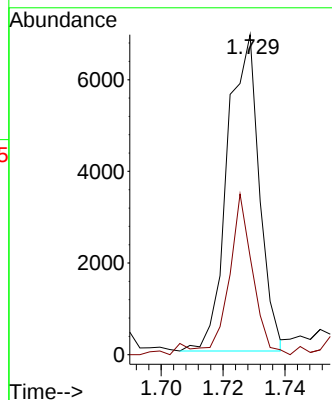
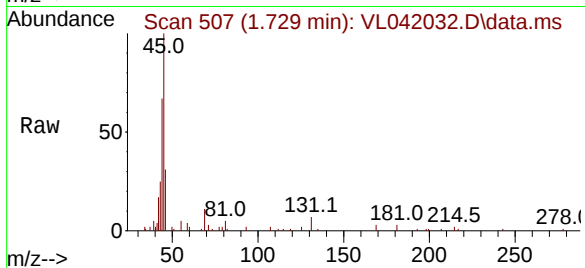
ClientSampleId :

Tgt Ion: 45 Resp: 4922

Ion Ratio Lower Upper

45 100

46 40.0 21.3 85.1



#14

Bromoethene

Concen: 8.849 ppbv

RT: 1.787 min Scan# 525

Delta R.T. 0.000 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

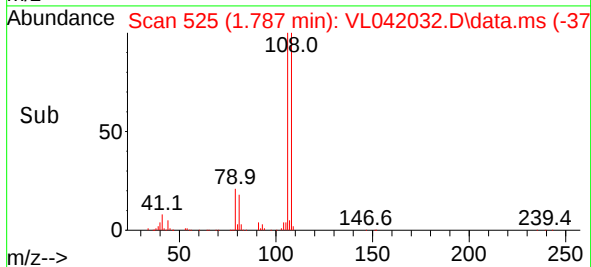
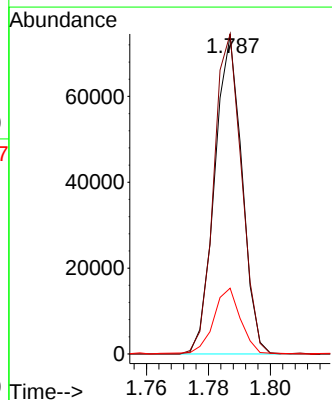
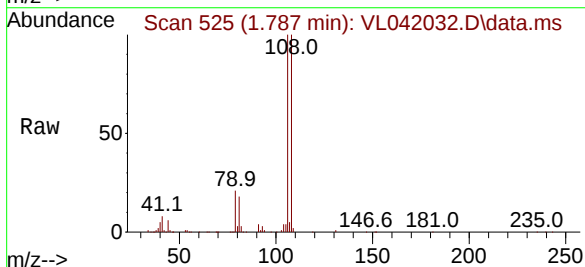
Tgt Ion:108 Resp: 45433

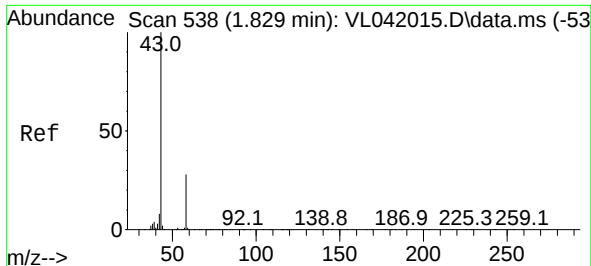
Ion Ratio Lower Upper

108 100

106 102.1 85.0 127.6

79 20.9 17.3 25.9





#15

Acetone

Concen: 7.790 ppbv

RT: 1.839 min Scan# 541

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

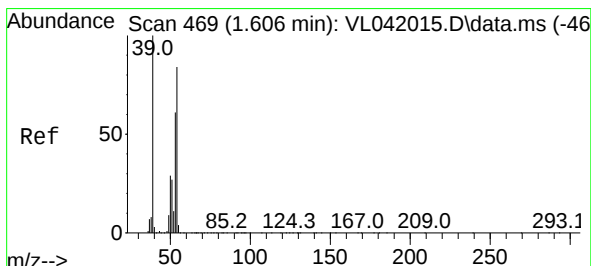
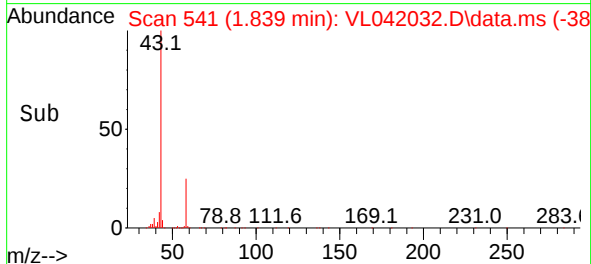
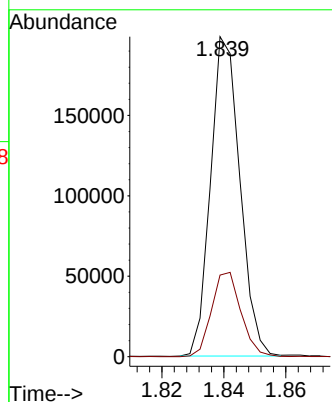
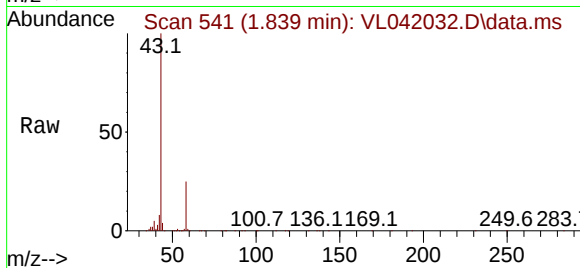
ClientSampleId :

Tgt Ion: 43 Resp: 130864

Ion Ratio Lower Upper

43 100

58 26.7 22.9 34.3



#16

1,3-Butadiene

Concen: 7.937 ppbv

RT: 1.612 min Scan# 471

Delta R.T. -0.003 min

Lab File: VL042032.D

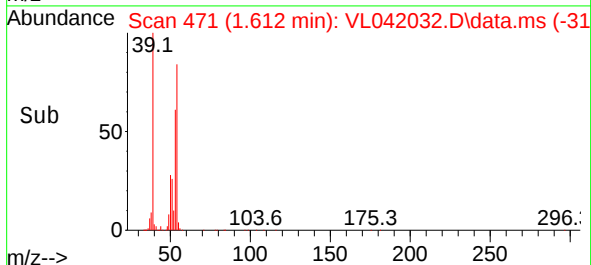
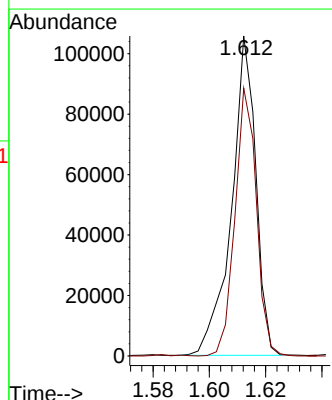
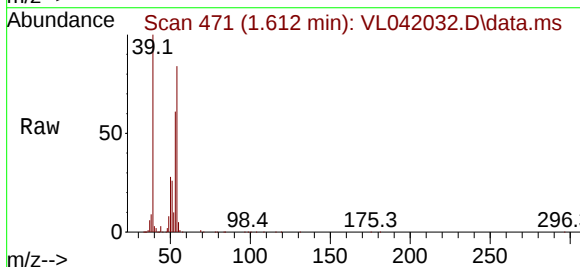
Acq: 17 Feb 2025 16:01

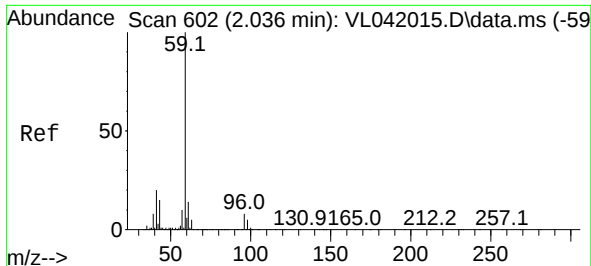
Tgt Ion: 39 Resp: 63250

Ion Ratio Lower Upper

39 100

54 74.3 59.4 89.2

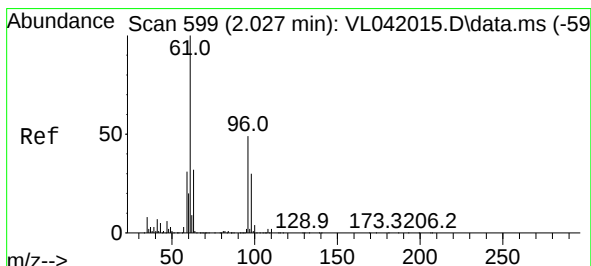
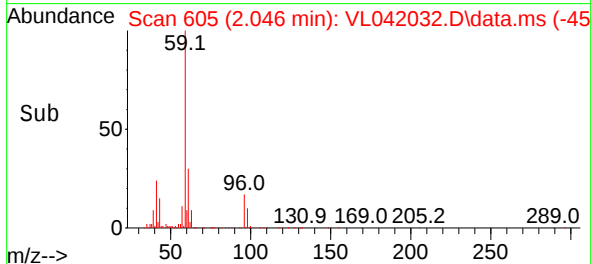
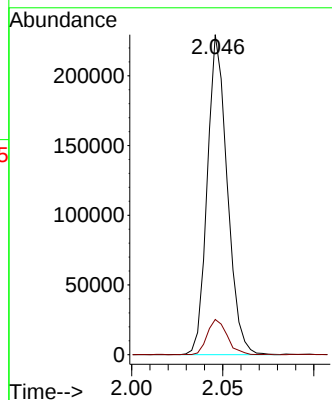
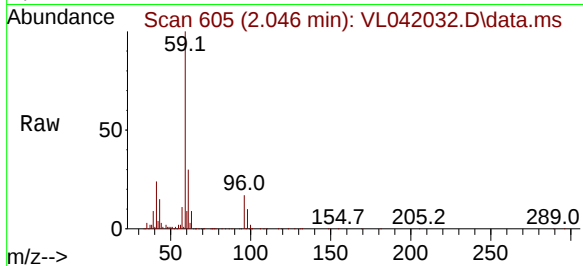




#17
tert-Butyl alcohol
Concen: 8.413 ppbv
RT: 2.046 min Scan# 602
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

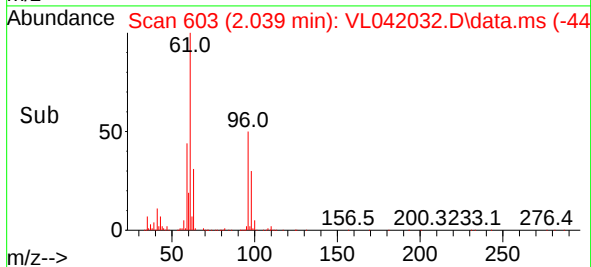
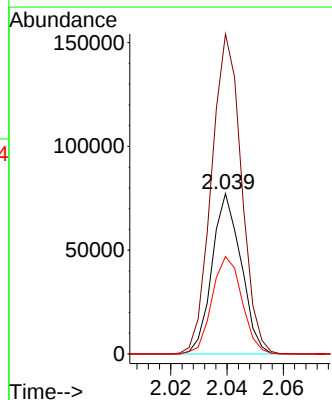
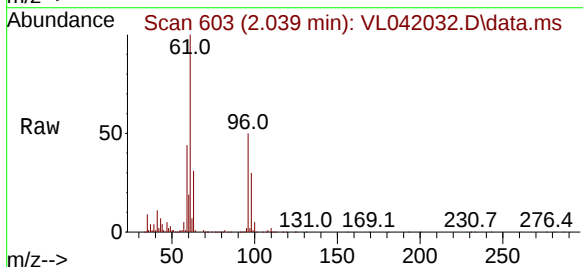
Instrument :
MSVOA_L
ClientSampleId :

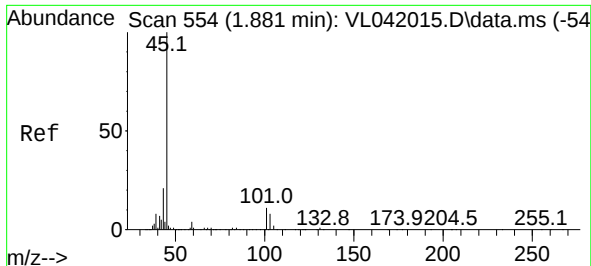
Tgt Ion: 59 Resp: 174870
Ion Ratio Lower Upper
59 100
57 11.1 9.2 13.8



#18
1,1-Dichloroethene
Concen: 8.425 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

Tgt Ion: 96 Resp: 55354
Ion Ratio Lower Upper
96 100
61 199.3 163.5 245.3
98 60.8 49.4 74.0





#19

Isopropyl Alcohol

Concen: 8.303 ppbv

RT: 1.891 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

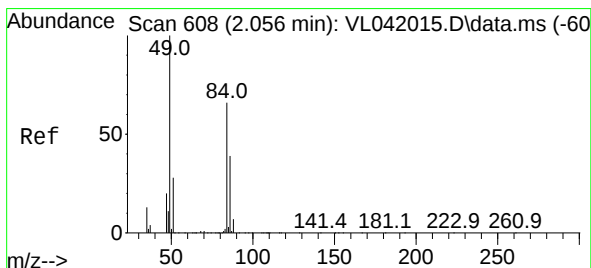
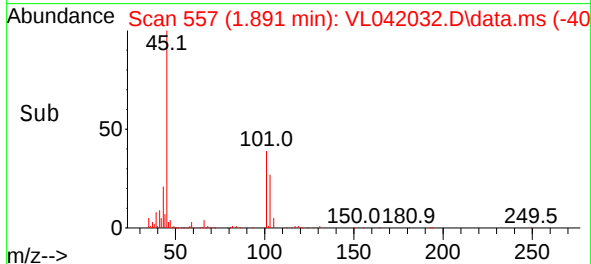
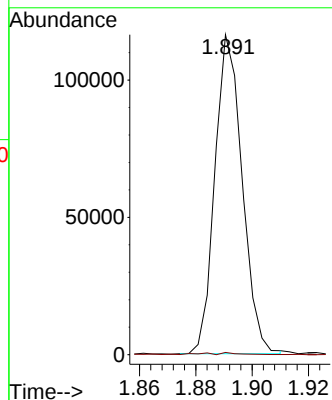
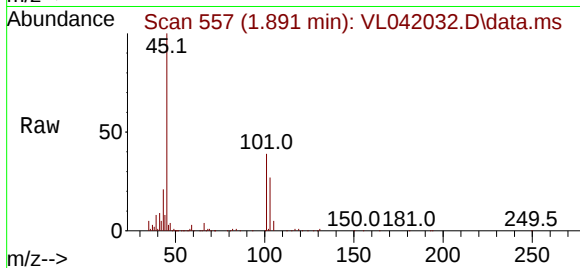
ClientSampleId :

Tgt Ion: 45 Resp: 78213

Ion Ratio Lower Upper

45 100

58 44.5 36.2 54.4



#20

Methylene Chloride

Concen: 7.838 ppbv

RT: 2.069 min Scan# 612

Delta R.T. 0.000 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Tgt Ion: 84 Resp: 49564

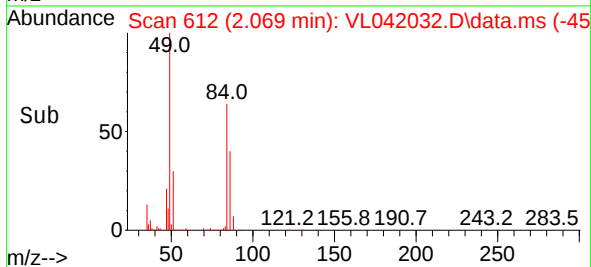
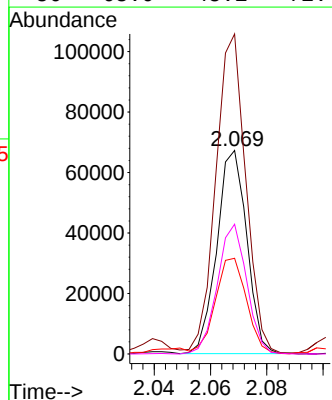
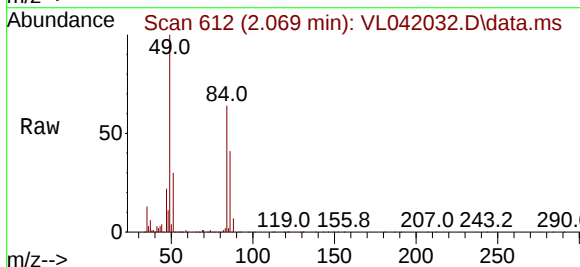
Ion Ratio Lower Upper

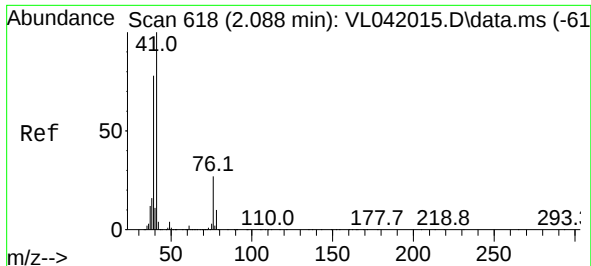
84 100

49 156.8 121.0 181.4

51 46.9 35.1 52.7

86 63.9 48.2 72.4

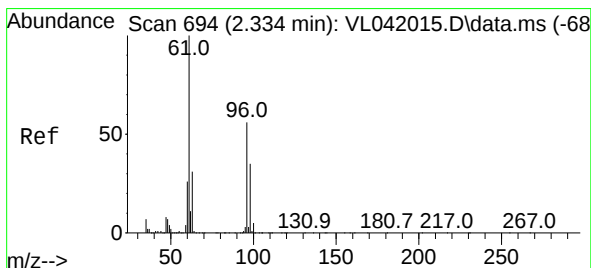
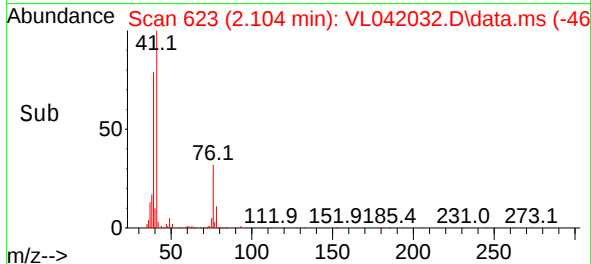
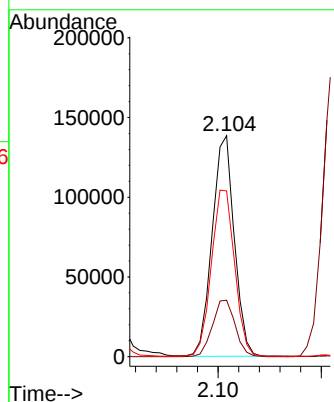
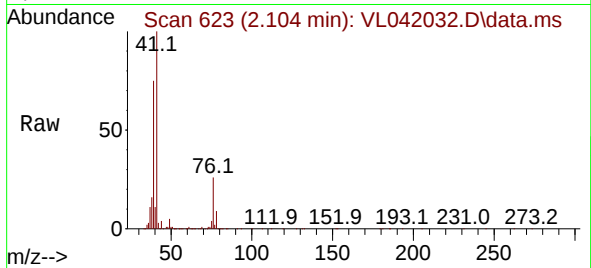




#21
 Allyl Chloride
 Concen: 8.475 ppbv
 RT: 2.104 min Scan# 618
 Delta R.T. 0.000 min
 Lab File: VL042032.D
 Acq: 17 Feb 2025 16:01

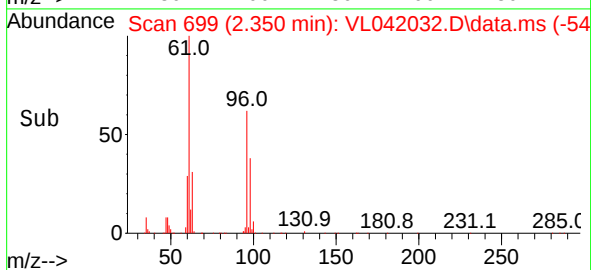
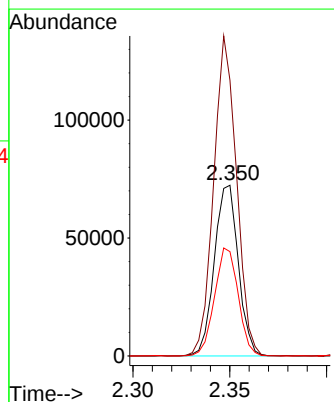
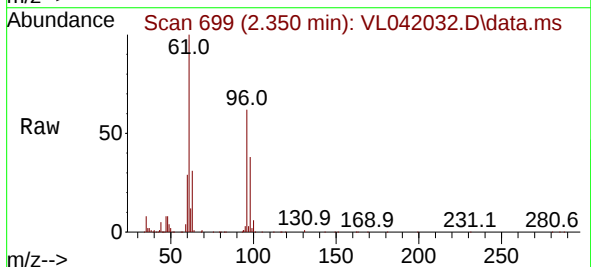
Instrument :
 MSVOA_L
 ClientSampleId :

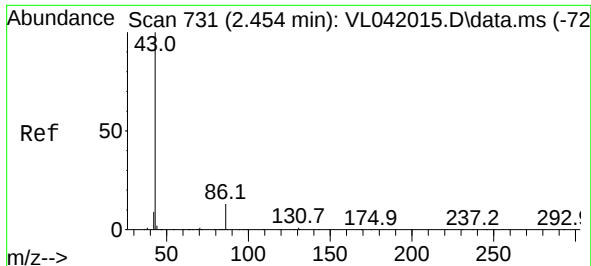
Tgt Ion: 41 Resp: 103066
 Ion Ratio Lower Upper
 41 100
 76 26.4 23.7 35.5
 39 79.2 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 8.740 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.000 min
 Lab File: VL042032.D
 Acq: 17 Feb 2025 16:01

Tgt Ion: 96 Resp: 62316
 Ion Ratio Lower Upper
 96 100
 61 161.3 142.3 213.5
 98 61.1 50.2 75.2

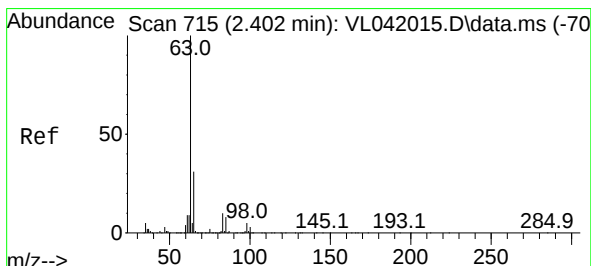
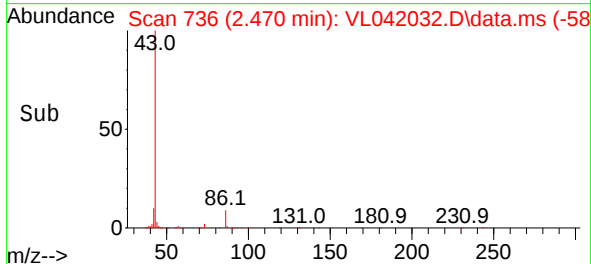
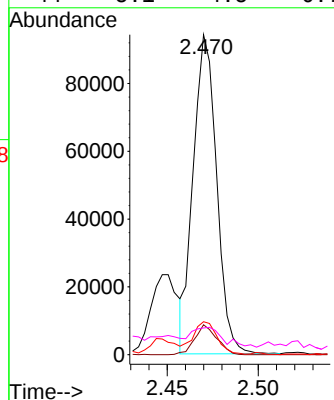
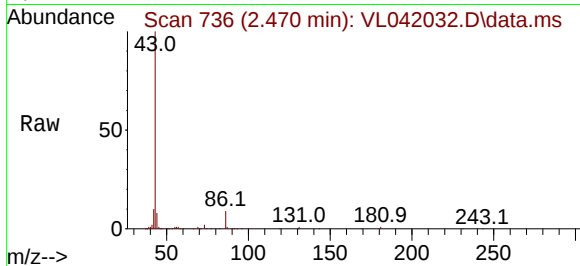




#23
 Vinyl Acetate
 Concen: 9.246 ppbv
 RT: 2.470 min Scan# 710
 Delta R.T. -0.003 min
 Lab File: VL042032.D
 Acq: 17 Feb 2025 16:01

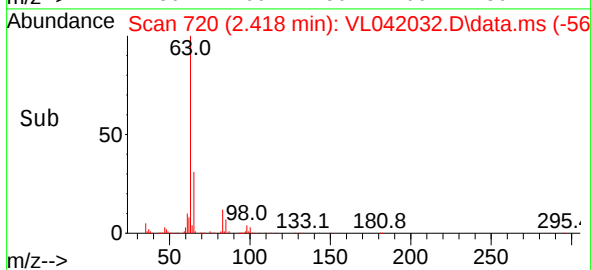
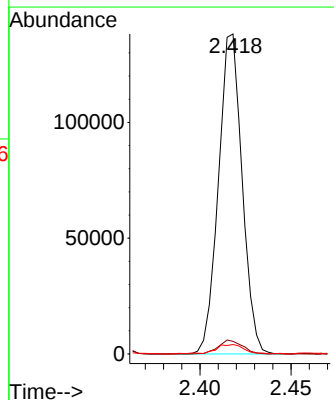
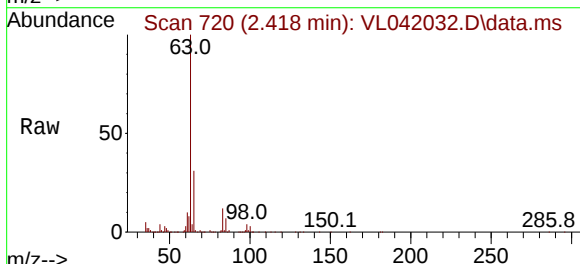
Instrument :
 MSVOA_L
 ClientSampleId :

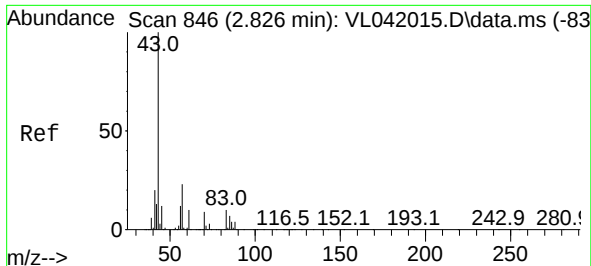
Tgt Ion: 43	Resp: 84099
Ion Ratio	Lower Upper
43 100	
86 9.4	8.1 12.1
42 10.4	7.5 11.3
44 5.1	4.5 6.7



#24
 1,1-Dichloroethane
 Concen: 8.615 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL042032.D
 Acq: 17 Feb 2025 16:01

Tgt Ion: 63	Resp: 124712
Ion Ratio	Lower Upper
63 100	
98 3.9	2.4 7.2
100 2.8	1.6 4.8





#25

Ethyl Acetate

Concen: 10.467 ppbv

RT: 2.845 min Scan# 848

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 482577

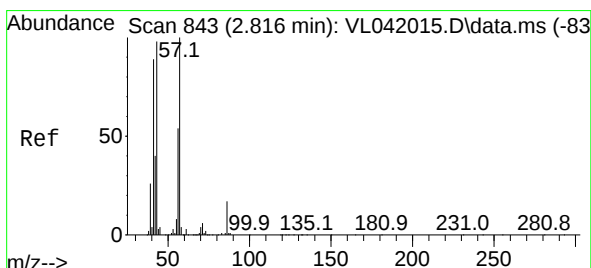
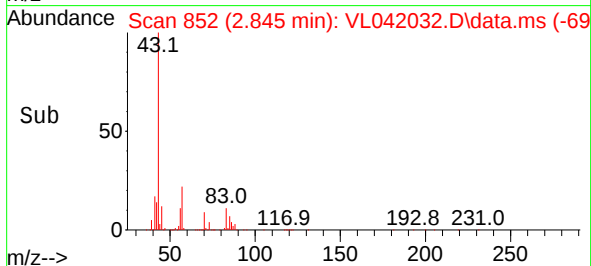
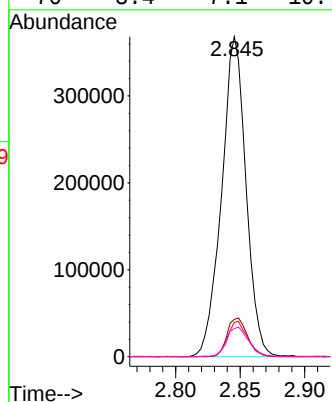
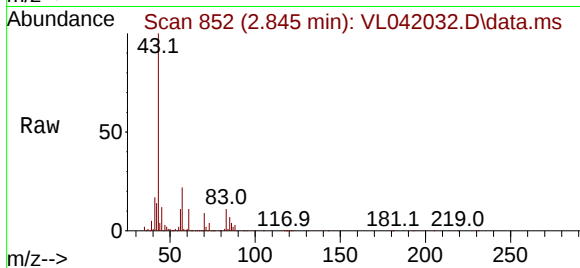
Ion Ratio Lower Upper

43 100

45 10.1 8.1 12.1

61 9.2 7.5 11.3

70 8.4 7.1 10.7



#26

Hexane

Concen: 10.668 ppbv

RT: 2.836 min Scan# 849

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Tgt Ion: 57 Resp: 197373

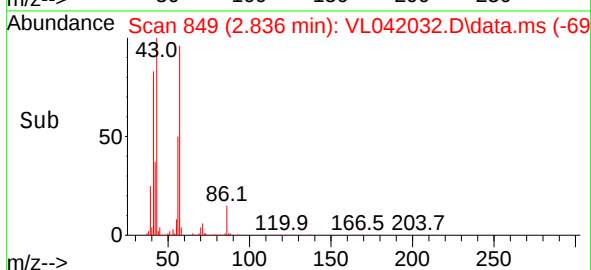
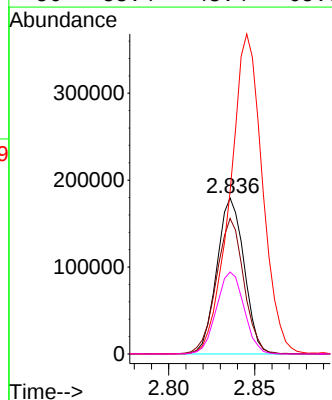
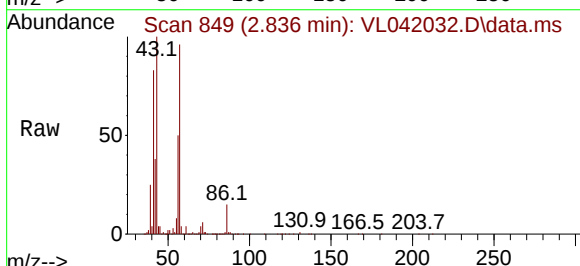
Ion Ratio Lower Upper

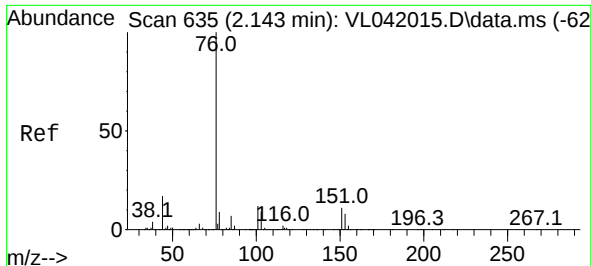
57 100

41 88.3 73.2 109.8

43 245.5 200.8 301.2

56 53.4 43.4 65.0

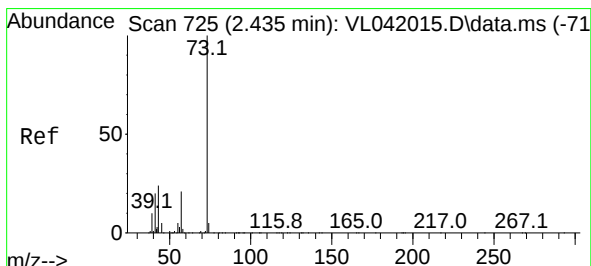
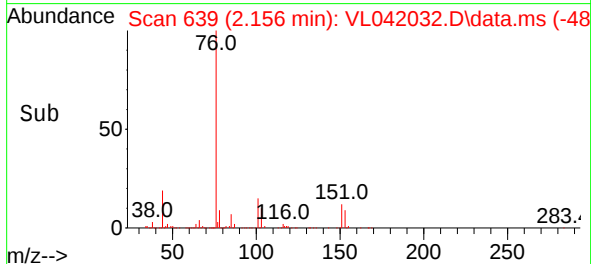
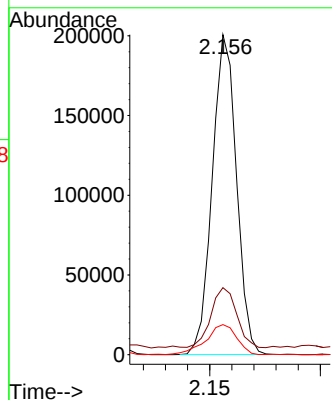
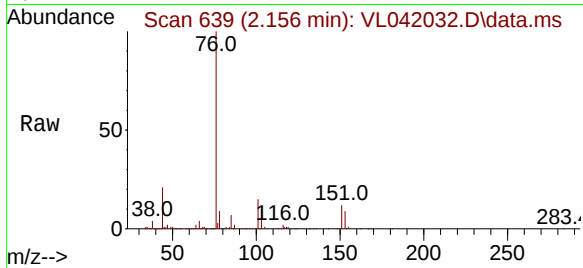




#27
Carbon Disulfide
Concen: 8.763 ppbv
RT: 2.156 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

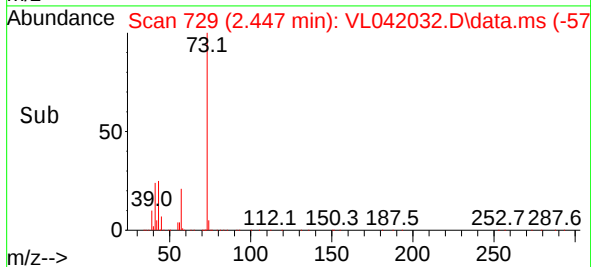
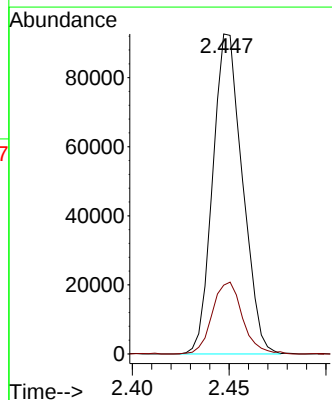
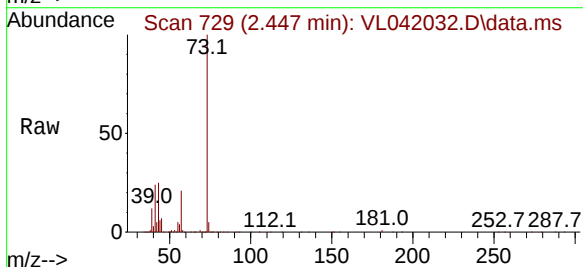
Instrument :
MSVOA_L
ClientSampleId :

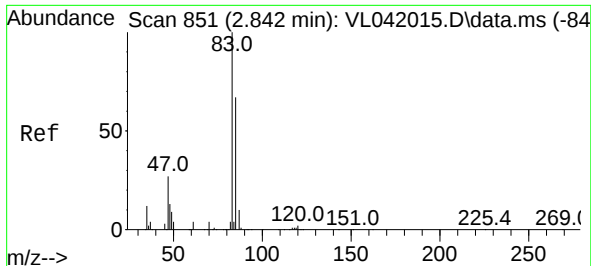
Tgt Ion: 76 Resp: 152489
Ion Ratio Lower Upper
76 100
44 20.7 18.1 27.1
78 12.1 9.5 14.3



#28
Methyl tert-Butyl Ether
Concen: 8.737 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.006 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

Tgt Ion: 73 Resp: 98819
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5





#29

Chloroform

Concen: 10.207 ppbv

RT: 2.858 min Scan# 851

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

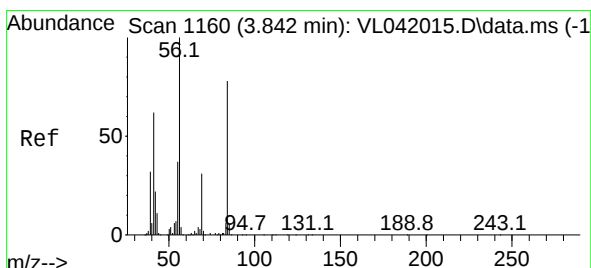
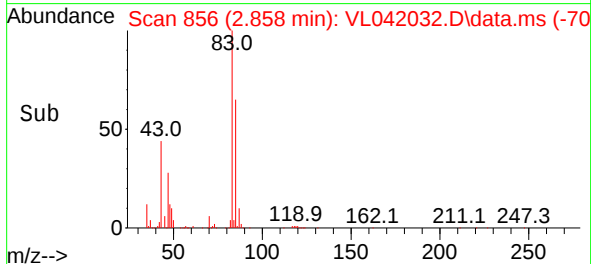
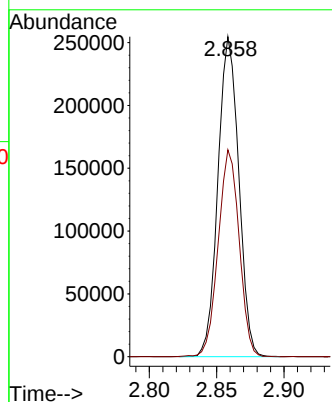
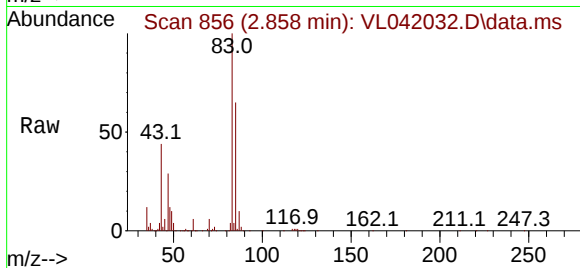
ClientSampleId :

Tgt Ion: 83 Resp: 273511

Ion Ratio Lower Upper

83 100

85 64.7 53.8 80.6



#30

Cyclohexane

Concen: 10.961 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

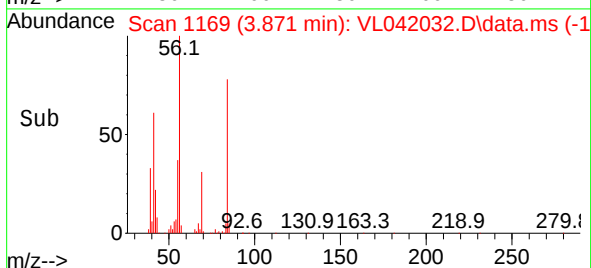
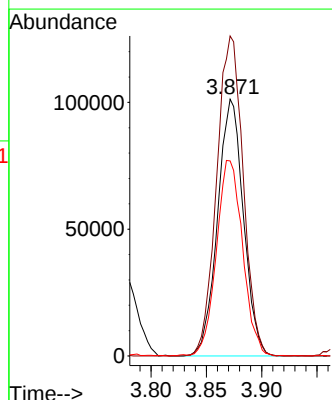
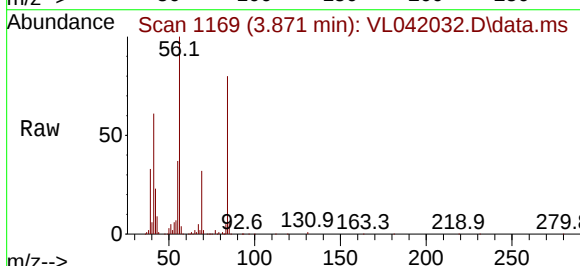
Tgt Ion: 84 Resp: 164513

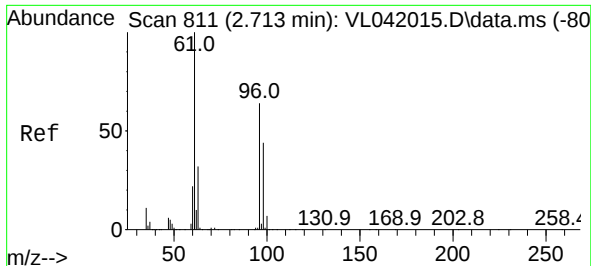
Ion Ratio Lower Upper

84 100

56 128.0 99.5 149.3

41 77.4 62.2 93.2





#31

cis-1,2-Dichloroethene

Concen: 10.446 ppbv

RT: 2.729 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

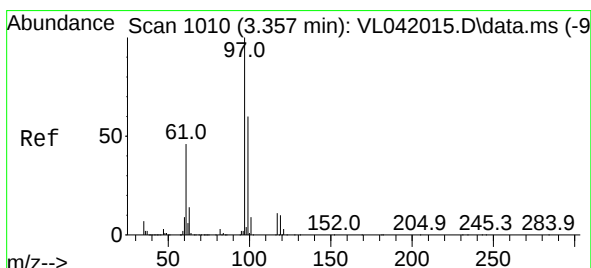
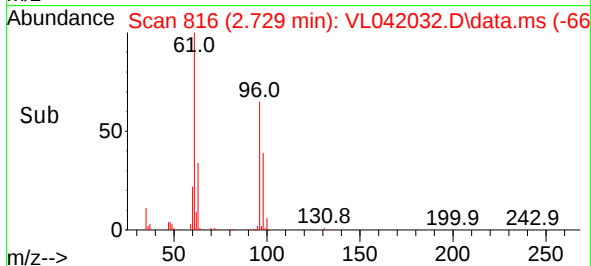
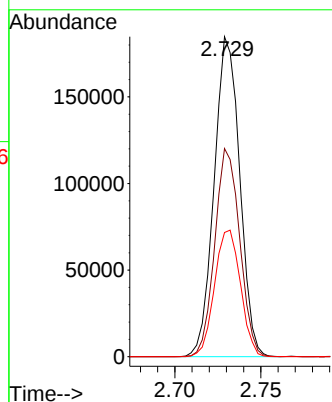
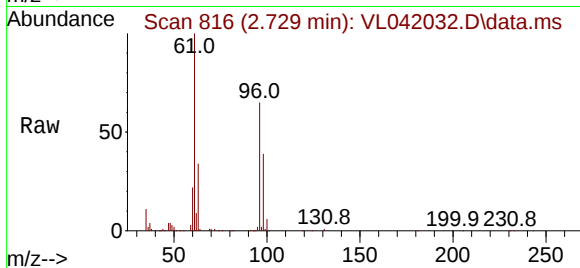
Tgt Ion: 61 Resp: 191022

Ion Ratio Lower Upper

61 100

96 65.0 51.6 77.4

98 38.8 34.8 52.2



#32

1,1,1-Trichloroethane

Concen: 9.295 ppbv

RT: 3.379 min Scan# 1017

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

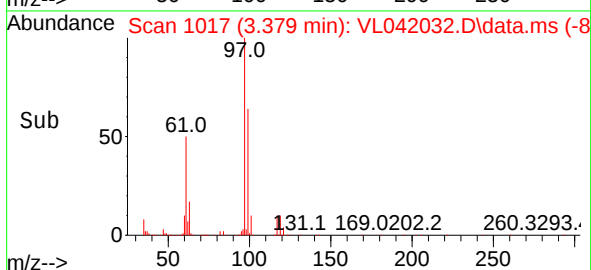
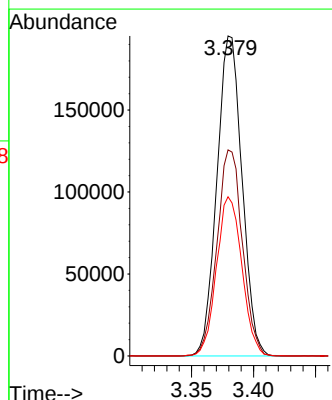
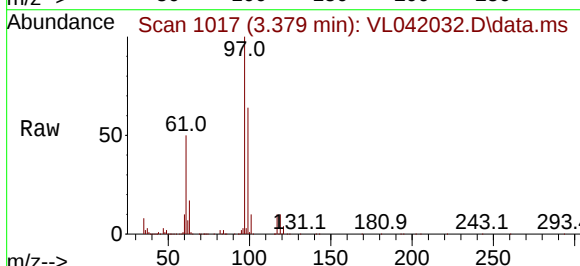
Tgt Ion: 97 Resp: 276224

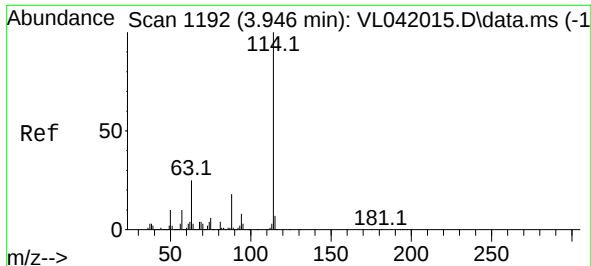
Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.4

61 50.2 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1192

Delta R.T. -0.006 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

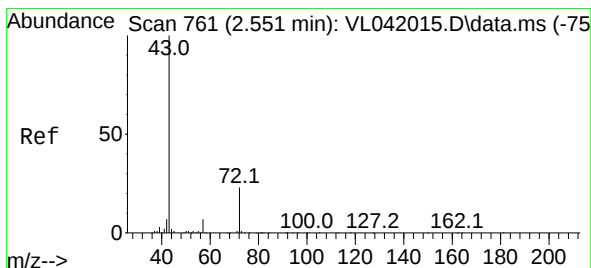
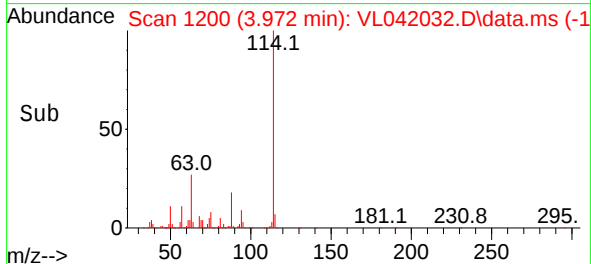
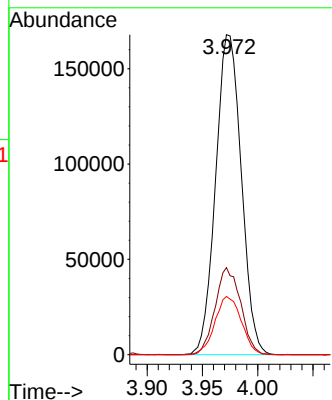
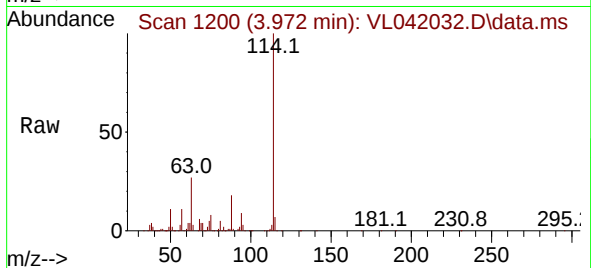
Tgt Ion:114 Resp: 270626

Ion Ratio Lower Upper

114 100

63 27.1 20.2 30.2

88 18.7 14.4 21.6



#34

2-Butanone

Concen: 11.938 ppbv

RT: 2.567 min Scan# 766

Delta R.T. -0.003 min

Lab File: VL042032.D

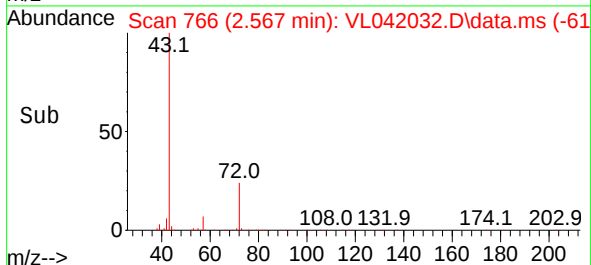
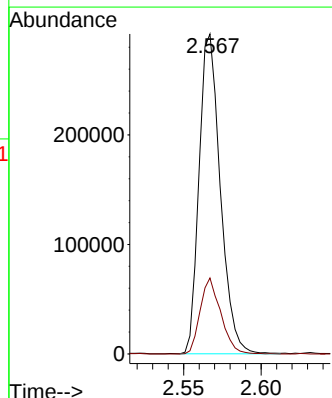
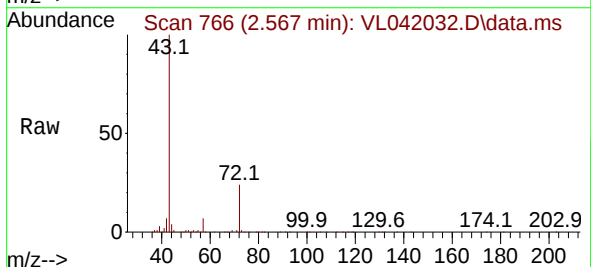
Acq: 17 Feb 2025 16:01

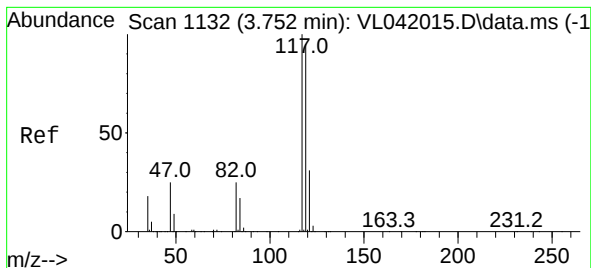
Tgt Ion: 43 Resp: 277945

Ion Ratio Lower Upper

43 100

72 23.1 18.3 27.5





#35

Carbon Tetrachloride

Concen: 10.425 ppbv

RT: 3.777 min Scan# 1132

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

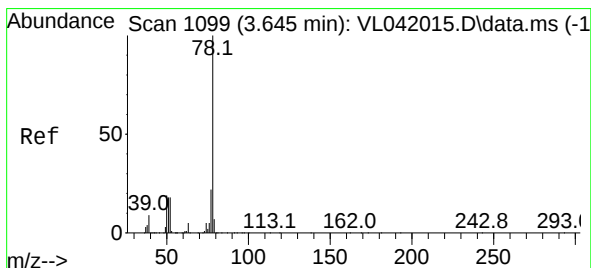
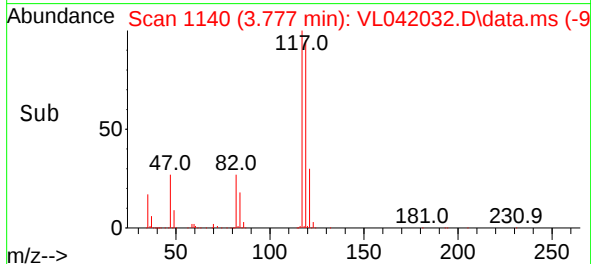
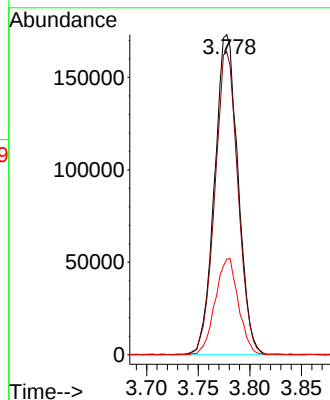
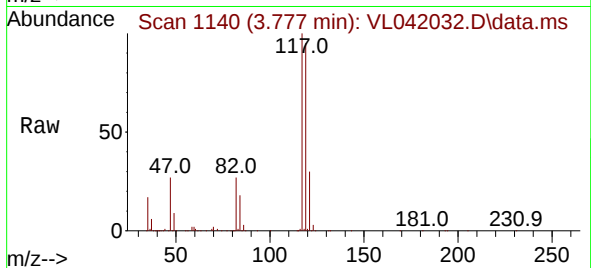
Tgt Ion:117 Resp: 273955

Ion Ratio Lower Upper

117 100

119 94.5 75.8 113.6

121 29.8 24.6 36.8



#36

Benzene

Concen: 11.822 ppbv

RT: 3.671 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

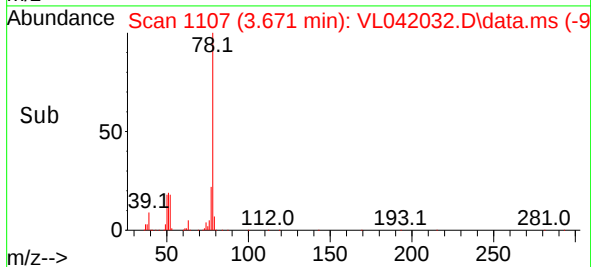
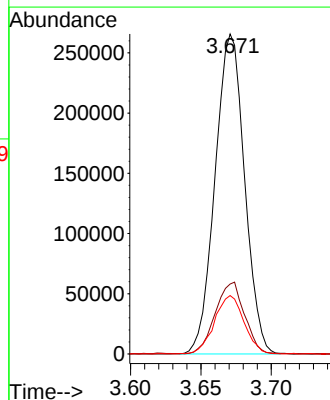
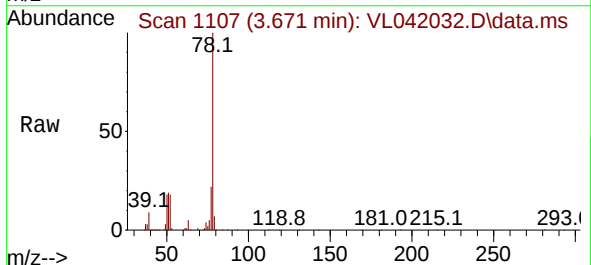
Tgt Ion: 78 Resp: 387549

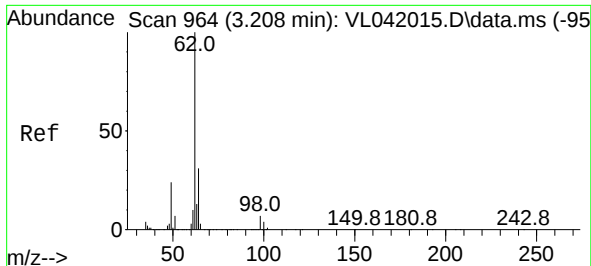
Ion Ratio Lower Upper

78 100

77 21.7 18.0 27.0

50 18.1 15.2 22.8

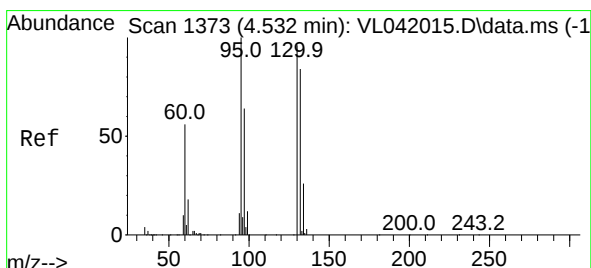
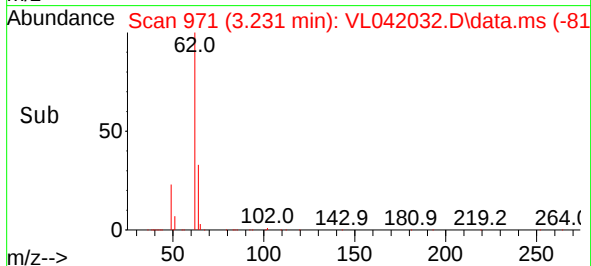
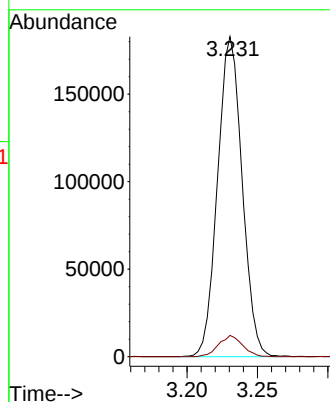
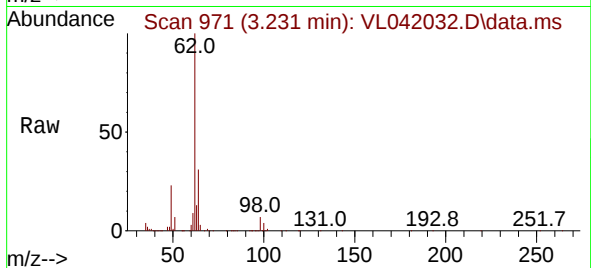




#37
1,2-Dichloroethane
Concen: 11.917 ppbv
RT: 3.231 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

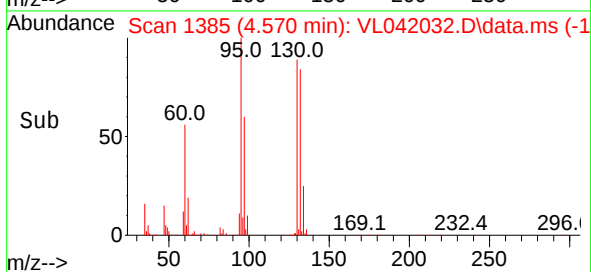
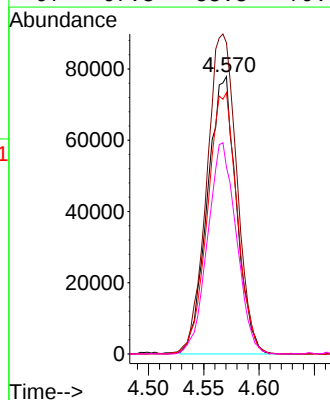
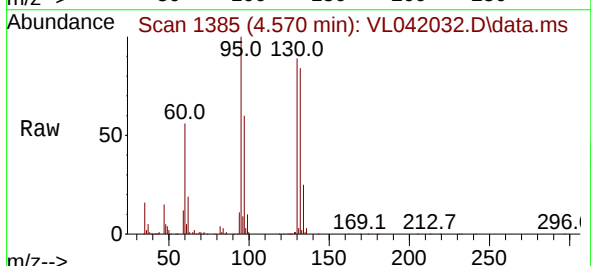
Instrument :
MSVOA_L
ClientSampleId :

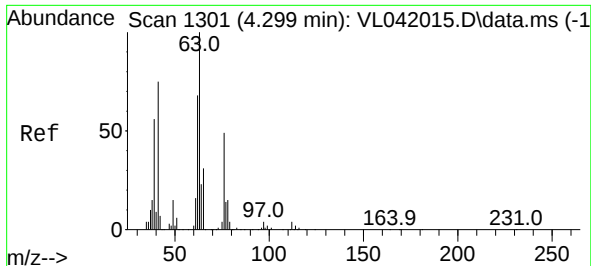
Tgt Ion: 62 Resp: 222386
Ion Ratio Lower Upper
62 100
98 6.5 5.7 8.5



#38
Trichloroethene
Concen: 10.652 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

Tgt Ion:130 Resp: 141862
Ion Ratio Lower Upper
130 100
95 112.0 82.8 124.2
132 94.2 70.0 105.0
97 67.3 53.3 79.9





#39

1,2-Dichloropropane

Concen: 11.668 ppbv

RT: 4.328 min Scan# 140237

Delta R.T. -0.006 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

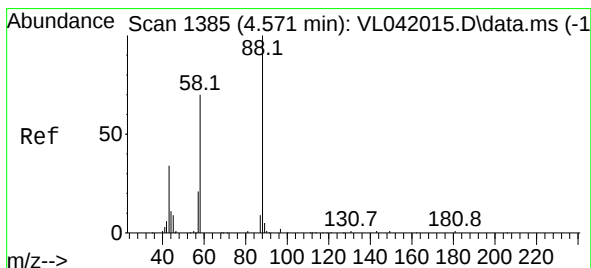
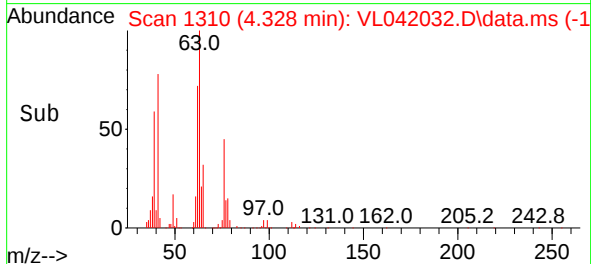
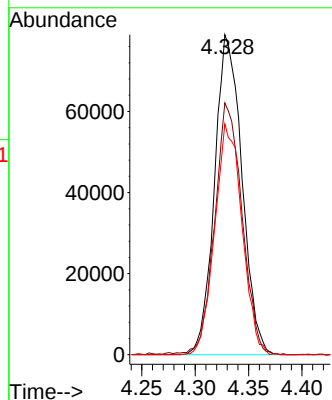
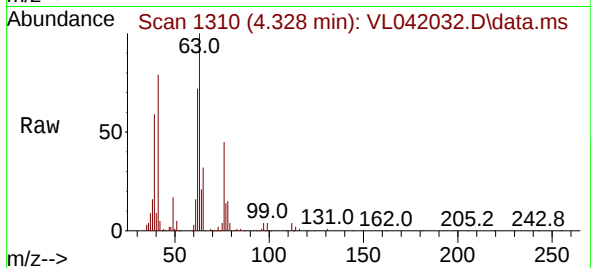
Tgt Ion: 63 Resp: 140237

Ion Ratio Lower Upper

63 100

41 78.5 60.1 90.1

62 72.1 54.0 81.0



#40

1,4-Dioxane

Concen: 10.887 ppbv

RT: 4.600 min Scan# 1394

Delta R.T. -0.009 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Tgt Ion: 88 Resp: 68085

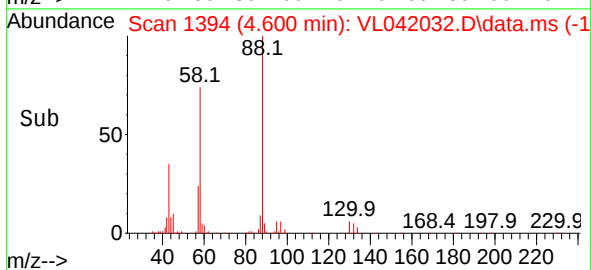
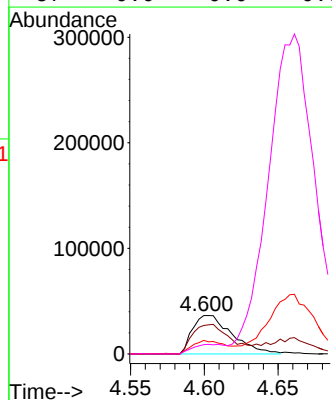
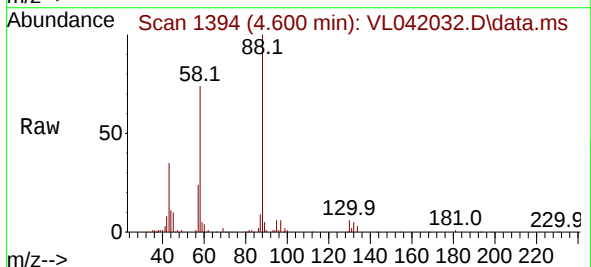
Ion Ratio Lower Upper

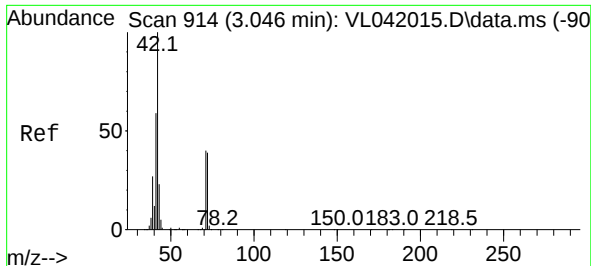
88 100

58 84.5 58.1 87.1

43 27.3 27.3 40.9

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 12.119 ppbv

RT: 3.065 min Scan# 91

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

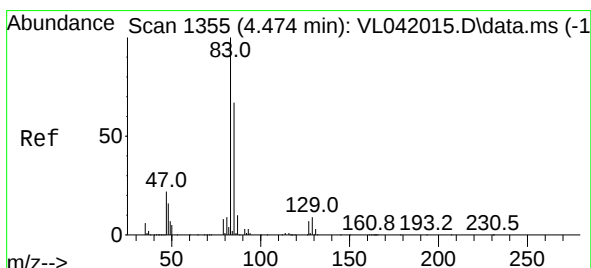
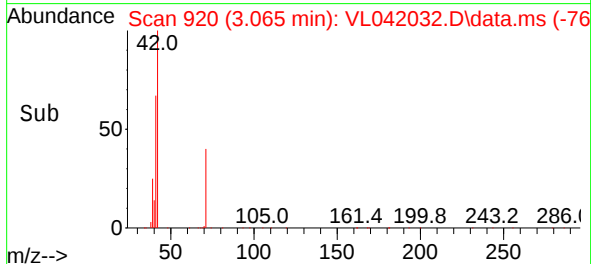
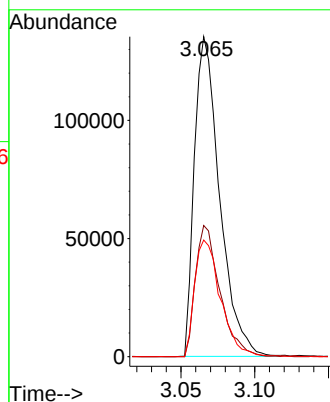
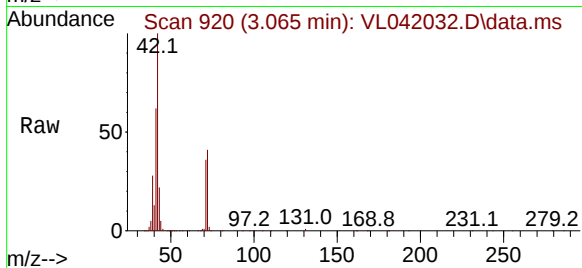
Tgt Ion: 42 Resp: 161259

Ion Ratio Lower Upper

42 100

72 39.9 32.3 48.5

71 37.5 30.9 46.3



#42

Bromodichloromethane

Concen: 12.095 ppbv

RT: 4.506 min Scan# 1365

Delta R.T. -0.009 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

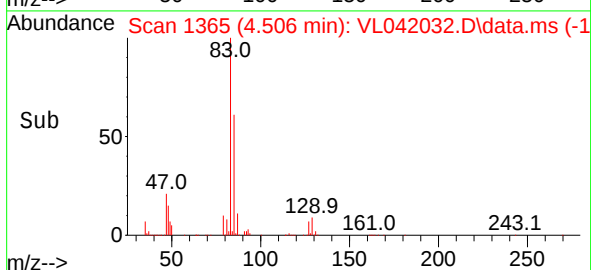
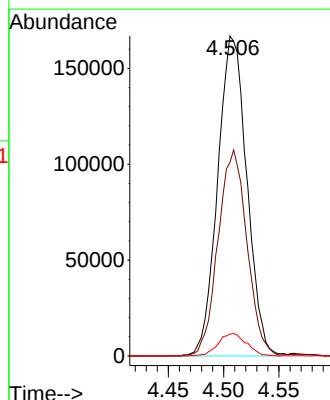
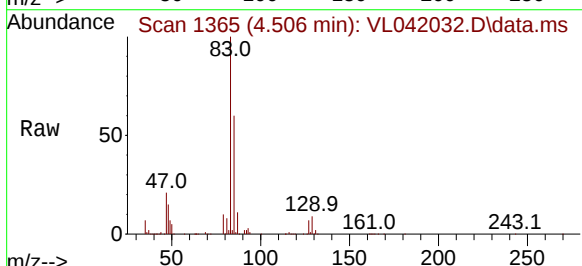
Tgt Ion: 83 Resp: 305786

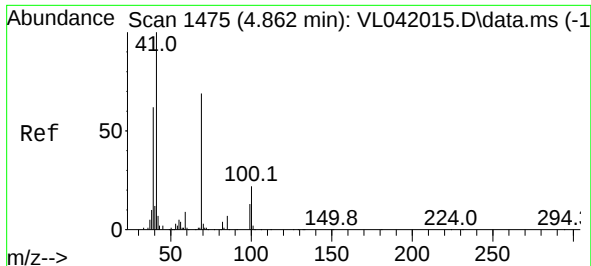
Ion Ratio Lower Upper

83 100

85 60.5 53.3 79.9

127 6.8 6.0 9.0





#43

Methyl Methacrylate

Concen: 10.817 ppbv

RT: 4.901 min Scan# 1413

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

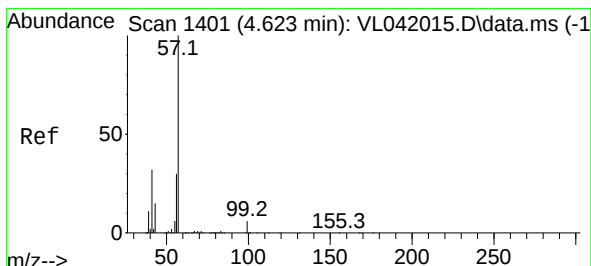
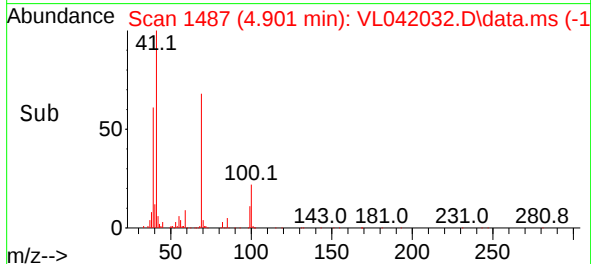
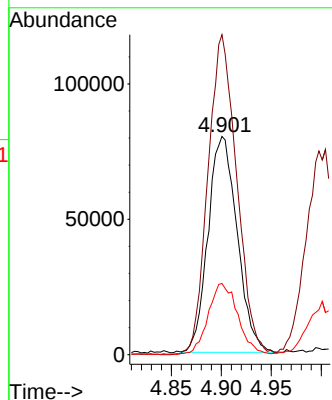
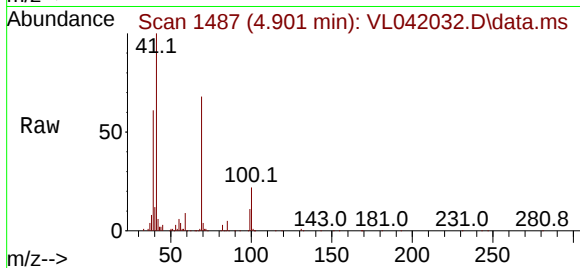
Tgt Ion: 69 Resp: 161651

Ion Ratio Lower Upper

69 100

41 146.3 114.9 172.3

100 33.0 28.8 43.2



#44

2,2,4-Trimethylpentane

Concen: 11.897 ppbv

RT: 4.661 min Scan# 1413

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

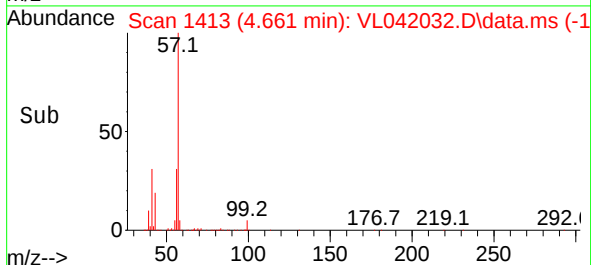
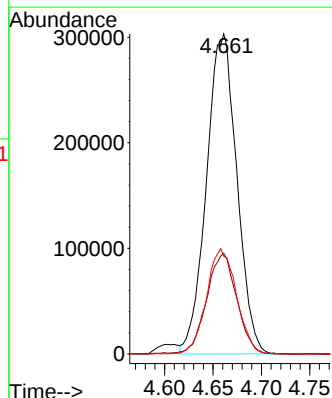
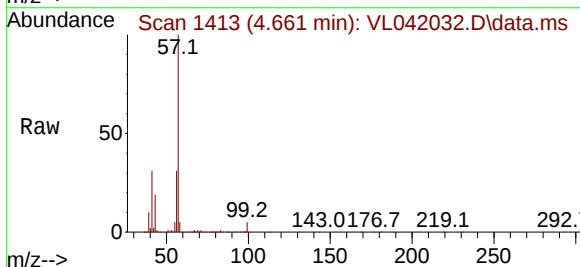
Tgt Ion: 57 Resp: 662080

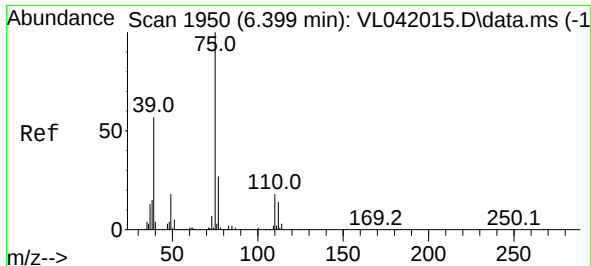
Ion Ratio Lower Upper

57 100

41 31.3 25.9 38.9

56 32.5 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 12.013 ppbv

RT: 6.438 min Scan# 1710

Delta R.T. -0.006 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

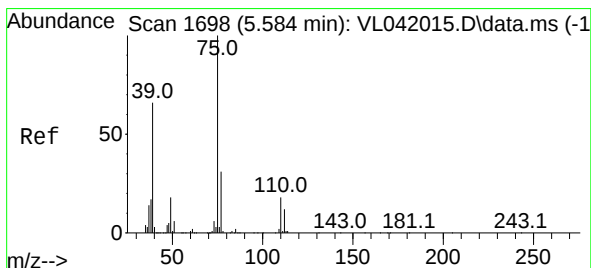
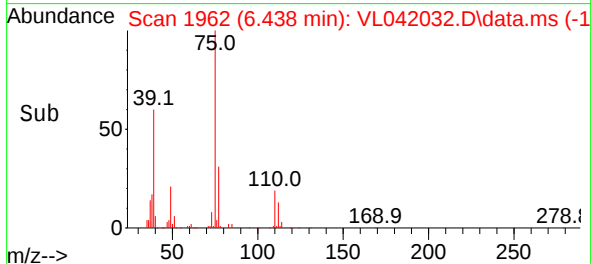
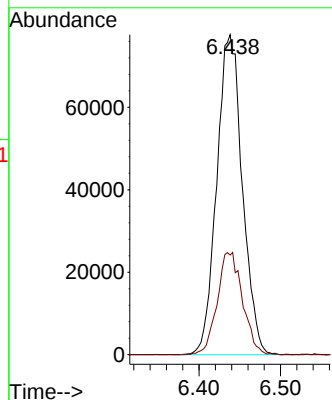
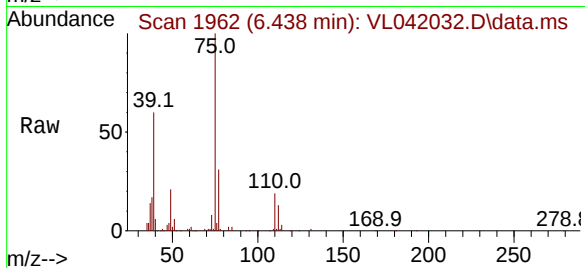
ClientSampleId :

Tgt Ion: 75 Resp: 169473

Ion Ratio Lower Upper

75 100

77 31.2 22.1 33.1



#46

cis-1,3-Dichloropropene

Concen: 11.909 ppbv

RT: 5.622 min Scan# 1710

Delta R.T. -0.006 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

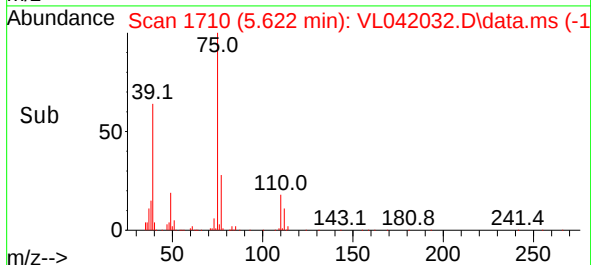
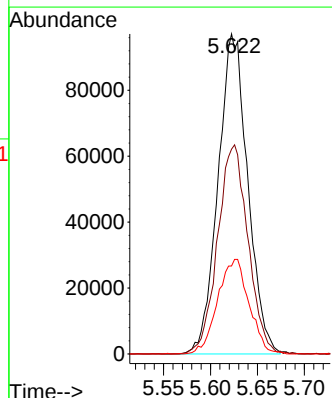
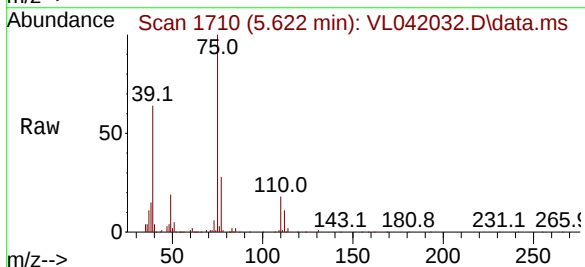
Tgt Ion: 75 Resp: 213163

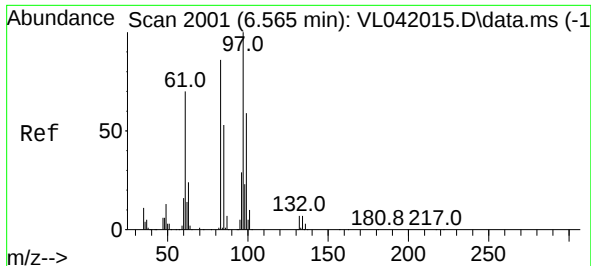
Ion Ratio Lower Upper

75 100

39 63.9 52.2 78.4

77 27.4 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 11.195 ppbv

RT: 6.603 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 141599

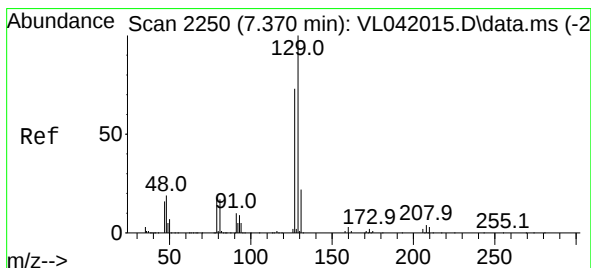
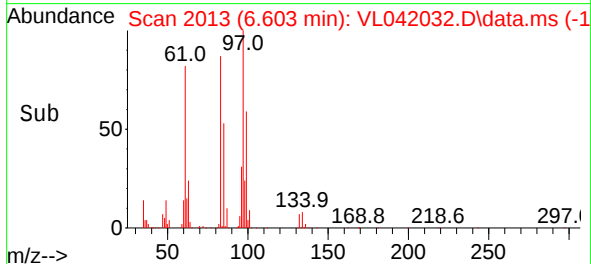
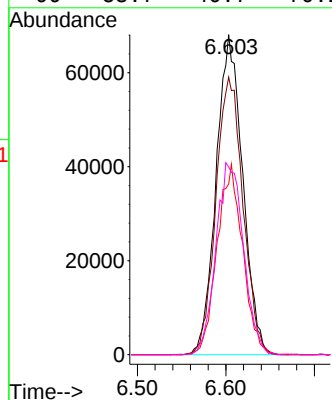
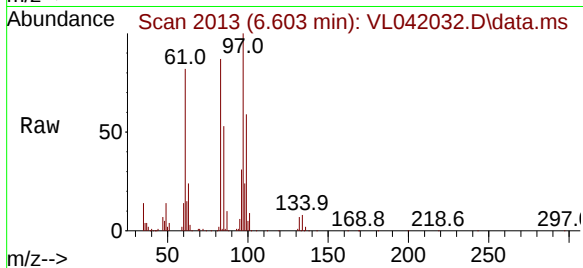
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

97	100		
----	-----	--	--

83	86.7	68.6	102.8
----	------	------	-------

85	53.2	42.2	63.4
----	------	------	------

99	58.7	46.7	70.1
----	------	------	------



#48

Dibromochloromethane

Concen: 10.731 ppbv

RT: 7.406 min Scan# 2261

Delta R.T. -0.003 min

Lab File: VL042032.D

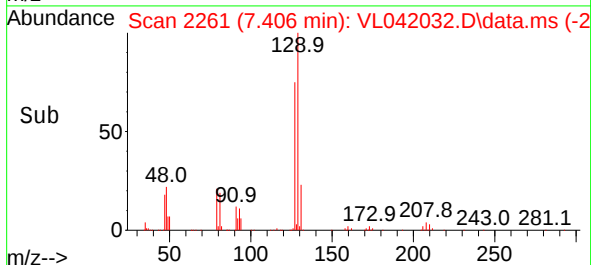
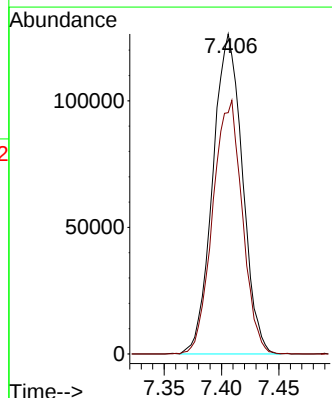
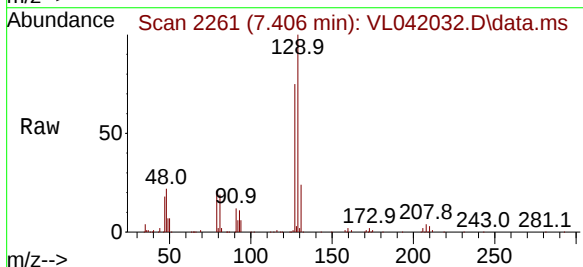
Acq: 17 Feb 2025 16:01

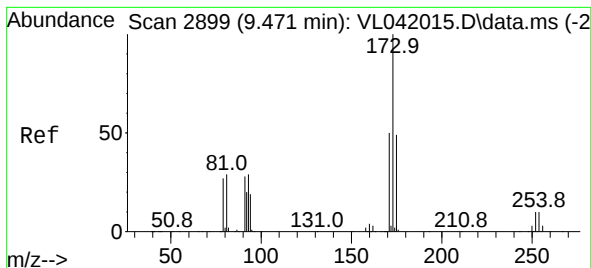
Tgt Ion: 129 Resp: 227320

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

129	100		
-----	-----	--	--

127	79.0	38.2	114.6
-----	------	------	-------





#49

Bromoform

Concen: 10.820 ppbv

RT: 9.497 min Scan# 20

Delta R.T. -0.003 min

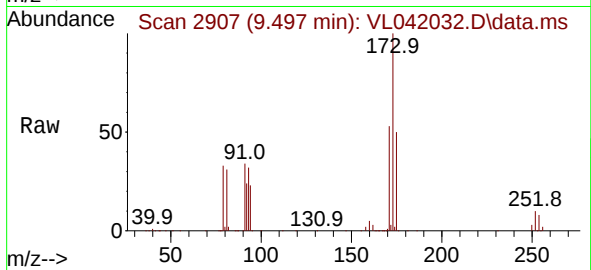
Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :



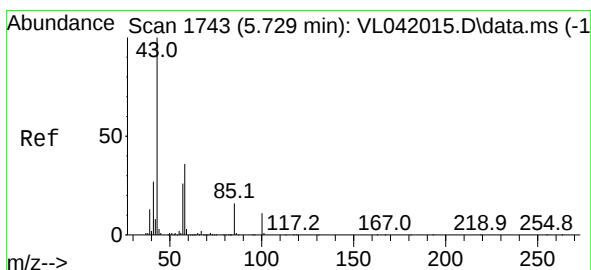
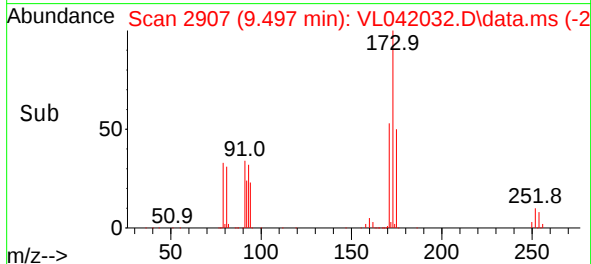
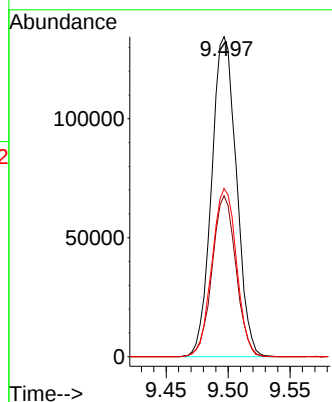
Tgt Ion:173 Resp: 188005

Ion Ratio Lower Upper

173 100

175 48.4 39.3 58.9

171 52.0 41.4 62.2



#50

4-Methyl-2-Pentanone

Concen: 11.324 ppbv

RT: 5.778 min Scan# 1758

Delta R.T. -0.006 min

Lab File: VL042032.D

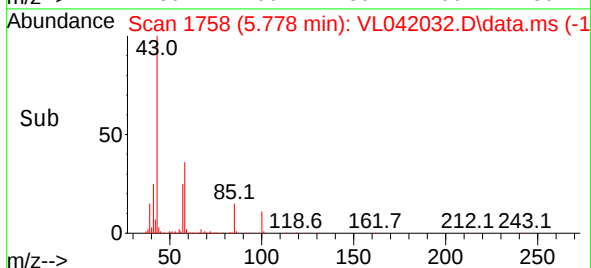
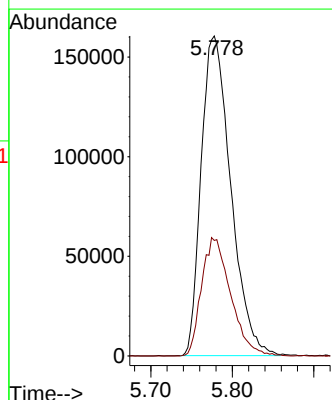
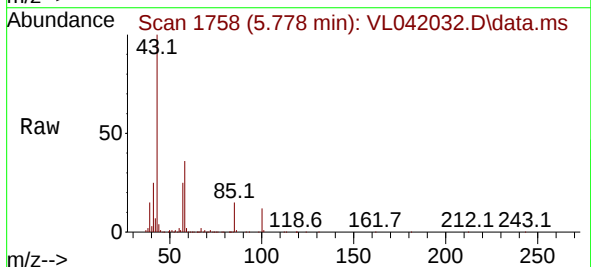
Acq: 17 Feb 2025 16:01

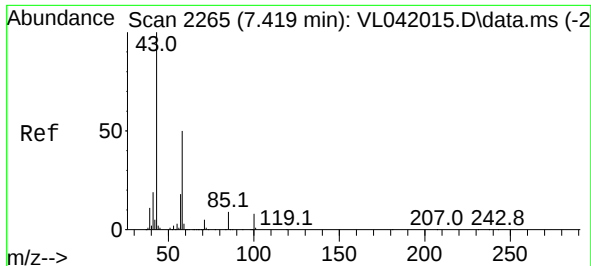
Tgt Ion: 43 Resp: 405187

Ion Ratio Lower Upper

43 100

58 36.3 29.4 44.0

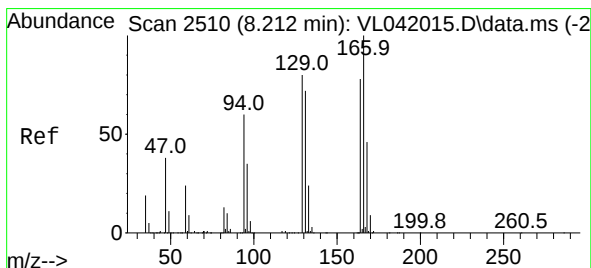
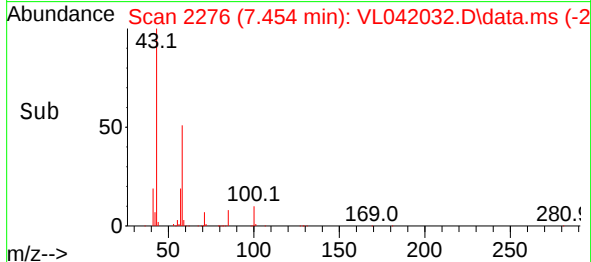
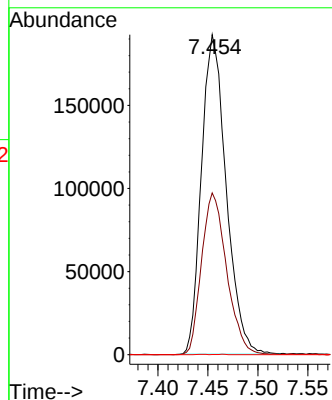
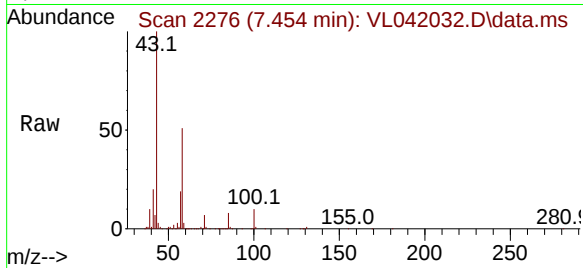




#51
2-Hexanone
Concen: 11.313 ppbv
RT: 7.454 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

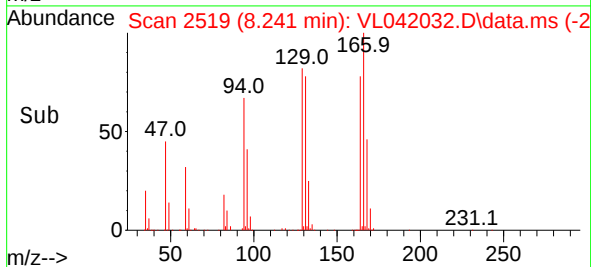
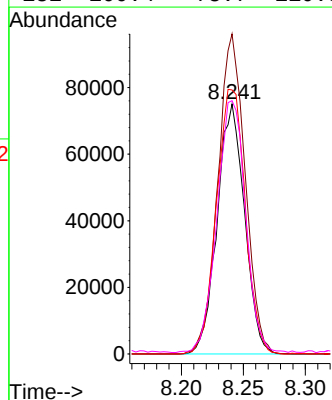
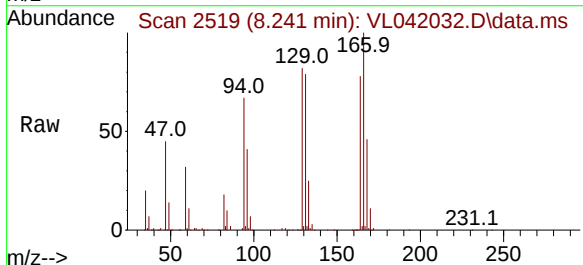
Instrument :
MSVOA_L
ClientSampleId :

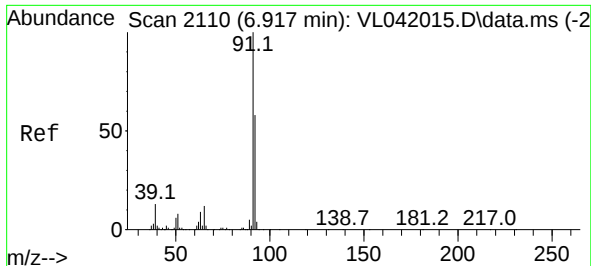
Tgt Ion: 43 Resp: 331086
Ion Ratio Lower Upper
43 100
58 51.4 41.4 62.0
98 0.1 0.0 0.0#



#52
Tetrachloroethene
Concen: 10.085 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

Tgt Ion:164 Resp: 115317
Ion Ratio Lower Upper
164 100
166 128.1 102.2 153.2
129 105.7 82.2 123.4
131 100.4 73.7 110.5





#53

Toluene

Concen: 11.233 ppbv

RT: 6.953 min Scan# 2110

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

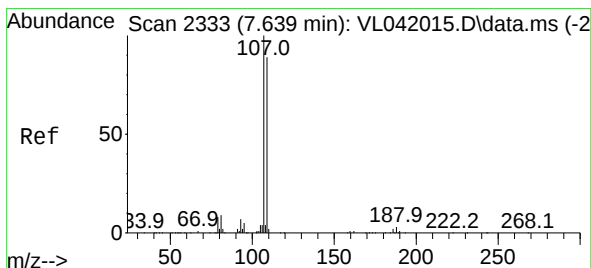
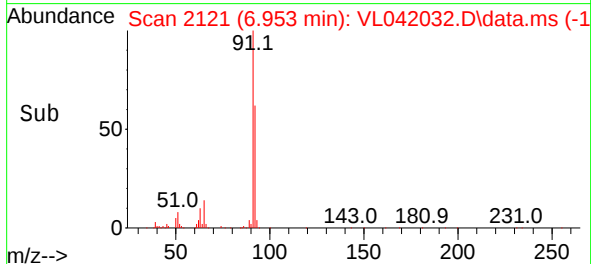
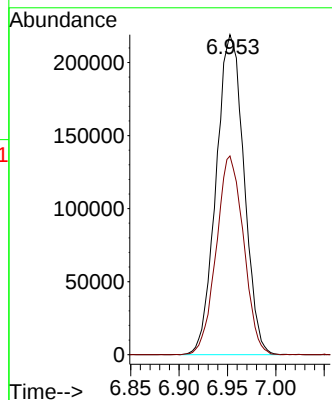
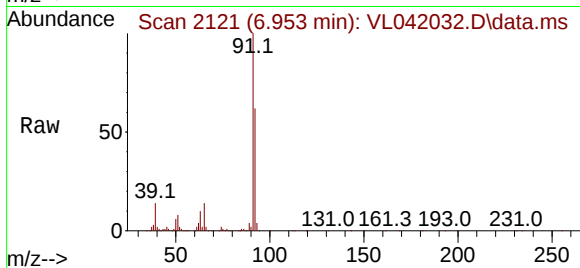
ClientSampleId :

Tgt Ion: 91 Resp: 438790

Ion Ratio Lower Upper

91 100

92 60.8 47.5 71.3



#54

1,2-Dibromoethane

Concen: 11.447 ppbv

RT: 7.668 min Scan# 2342

Delta R.T. -0.006 min

Lab File: VL042032.D

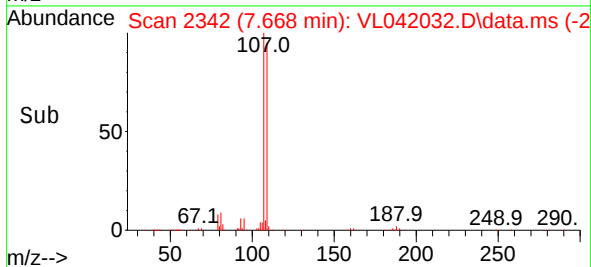
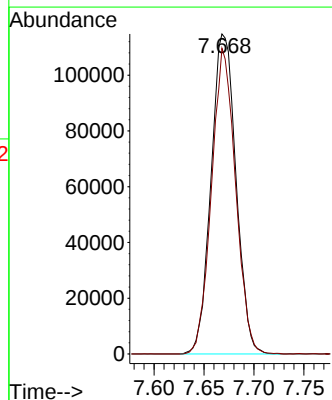
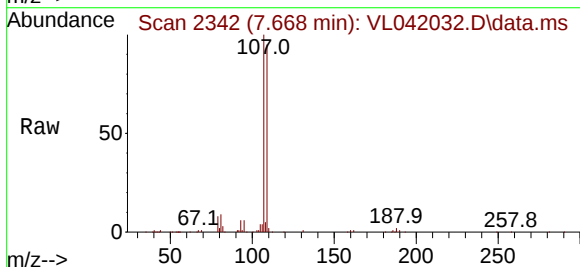
Acq: 17 Feb 2025 16:01

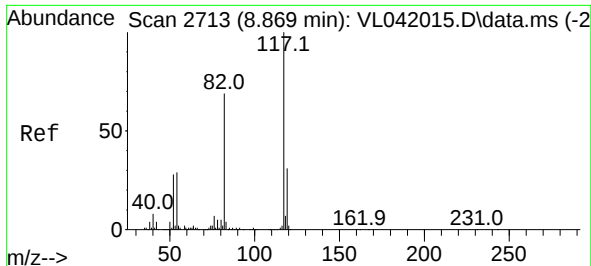
Tgt Ion: 107 Resp: 199355

Ion Ratio Lower Upper

107 100

109 95.5 71.5 107.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 2713

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

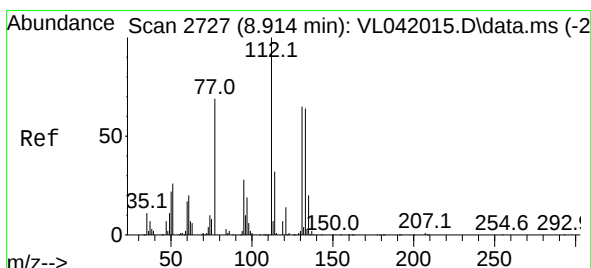
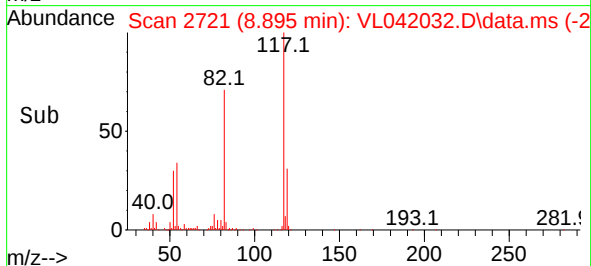
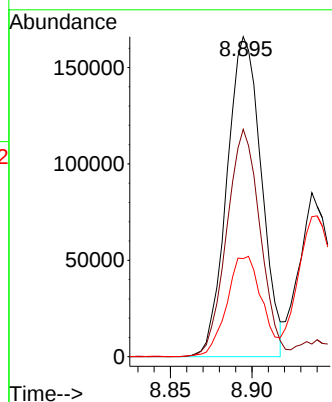
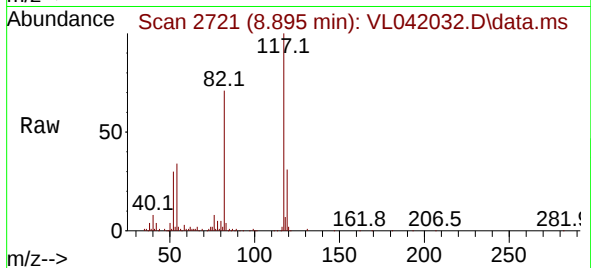
Tgt Ion:117 Resp: 243854

Ion Ratio Lower Upper

117 100

82 74.1 55.7 83.5

119 32.5 25.2 37.8



#56

1,1,1,2-Tetrachloroethane

Concen: 9.954 ppbv

RT: 8.940 min Scan# 2735

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

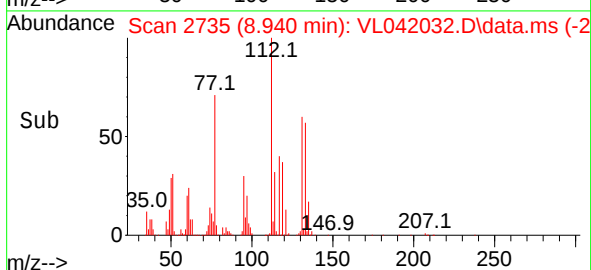
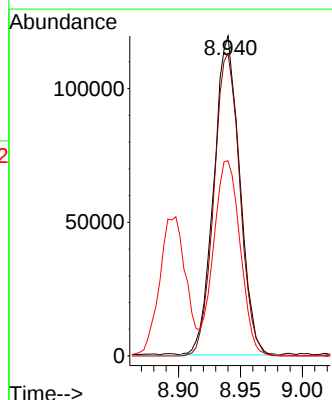
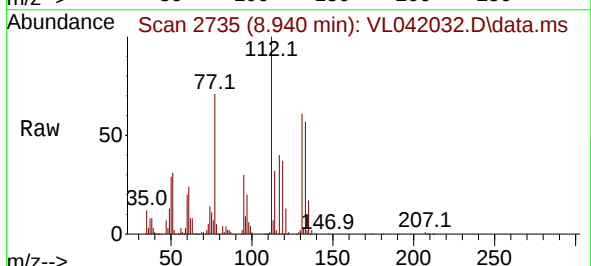
Tgt Ion:131 Resp: 173735

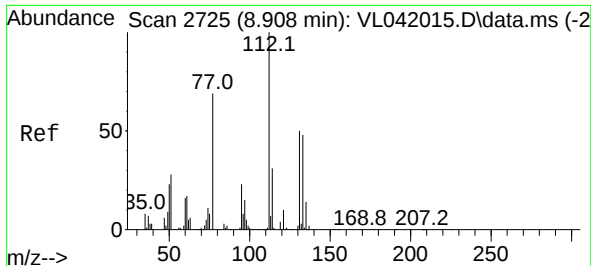
Ion Ratio Lower Upper

131 100

133 95.1 77.8 116.8

119 62.7 49.1 73.7





#57

Chlorobenzene

Concen: 10.956 ppbv

RT: 8.933 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

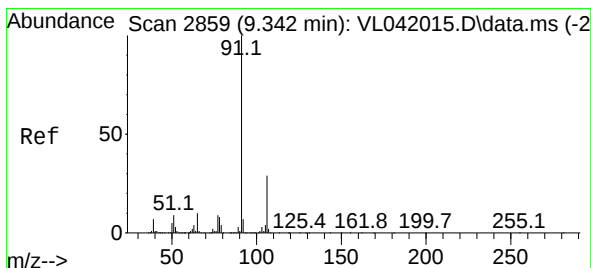
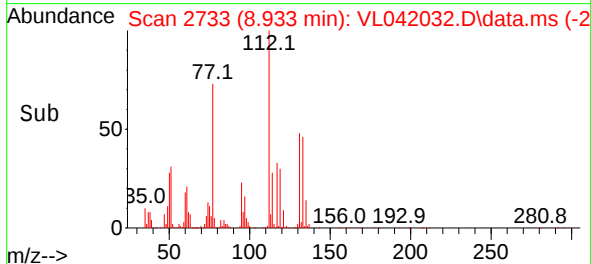
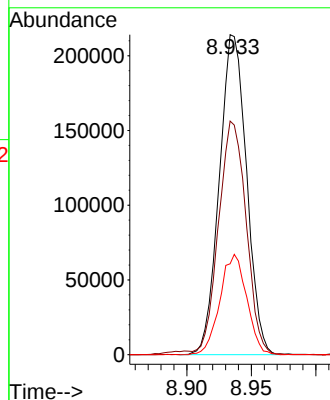
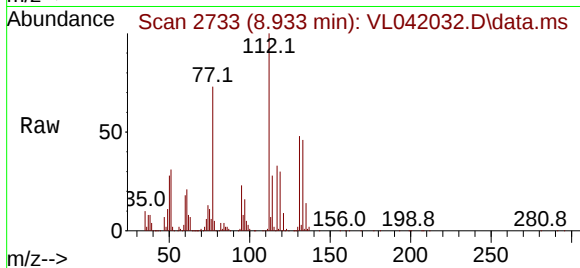
Tgt Ion:112 Resp: 314283

Ion Ratio Lower Upper

112 100

77 72.7 56.2 84.2

114 28.4 28.2 34.4



#58

Ethyl Benzene

Concen: 11.432 ppbv

RT: 9.367 min Scan# 2867

Delta R.T. -0.003 min

Lab File: VL042032.D

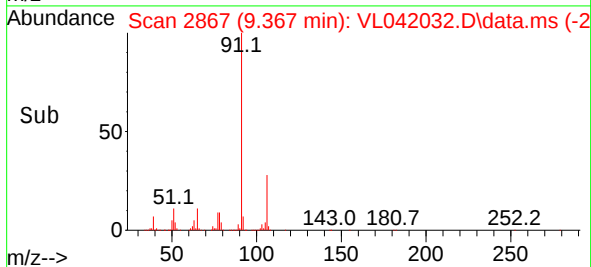
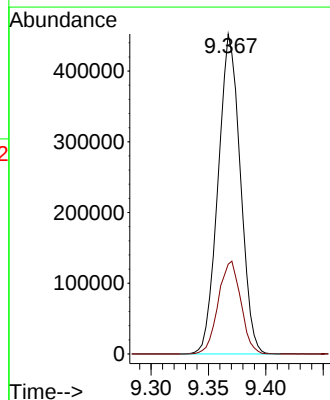
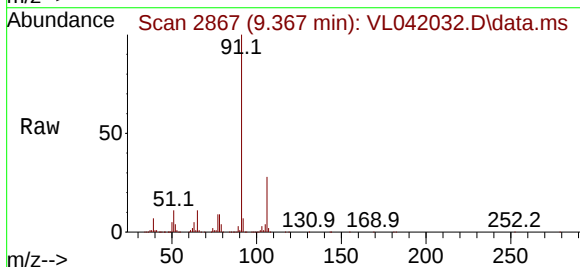
Acq: 17 Feb 2025 16:01

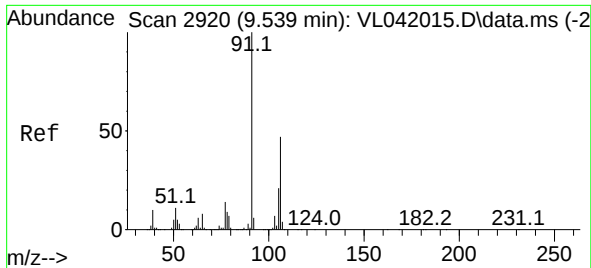
Tgt Ion: 91 Resp: 610136

Ion Ratio Lower Upper

91 100

106 28.0 23.1 34.7





#59

m/p-Xylene

Concen: 12.112 ppbv

RT: 9.545 min Scan# 2920

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

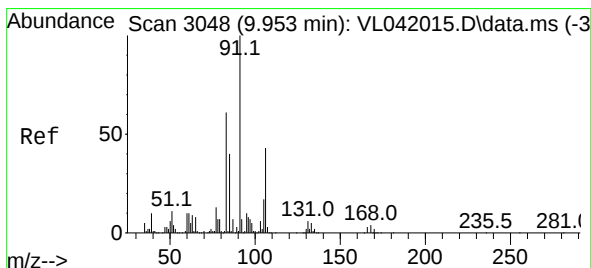
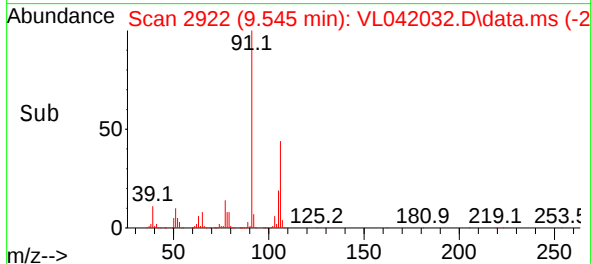
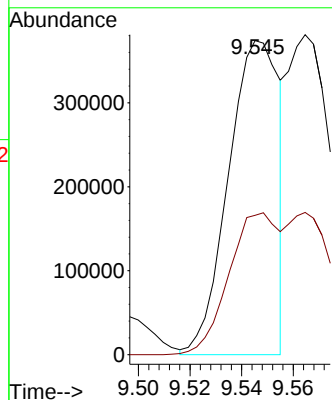
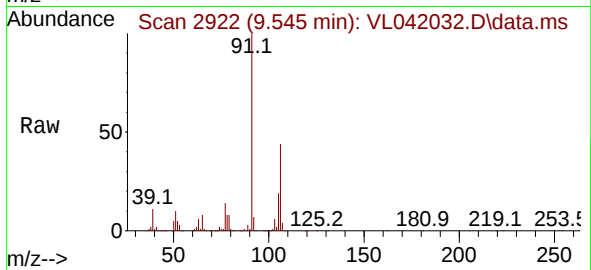
ClientSampleId :

Tgt Ion: 91 Resp: 509159

Ion Ratio Lower Upper

91 100

106 0.0 35.8 53.8#



#60

o-Xylene

Concen: 11.146 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. 0.000 min

Lab File: VL042032.D

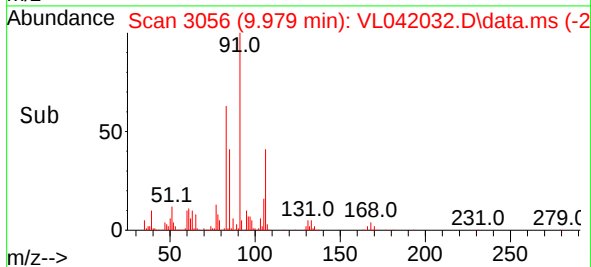
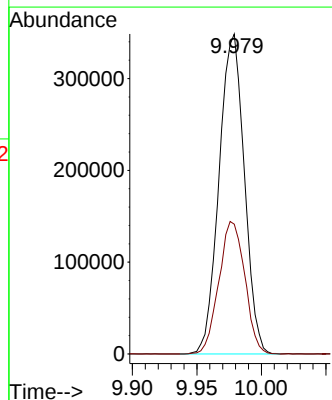
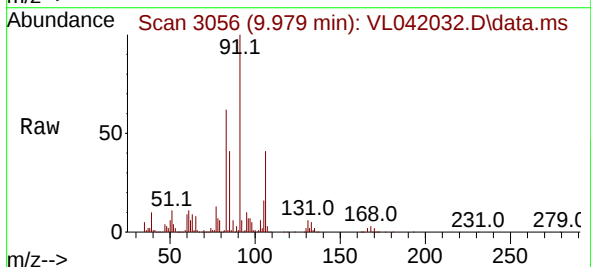
Acq: 17 Feb 2025 16:01

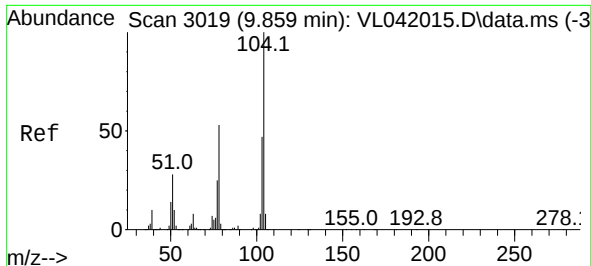
Tgt Ion: 91 Resp: 473878

Ion Ratio Lower Upper

91 100

106 42.5 21.4 64.3

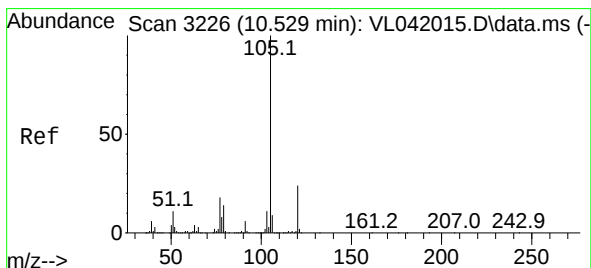
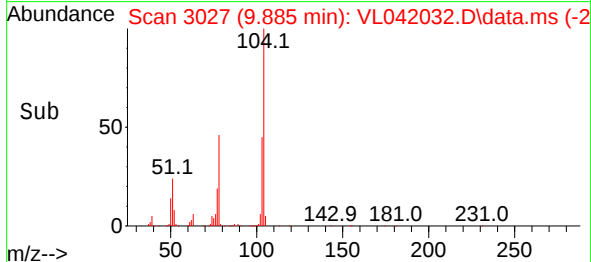
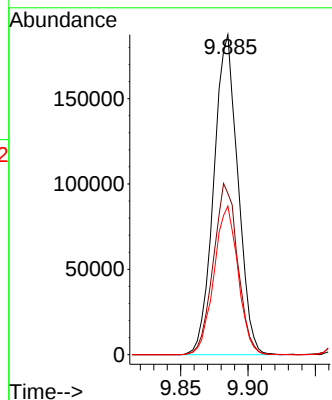
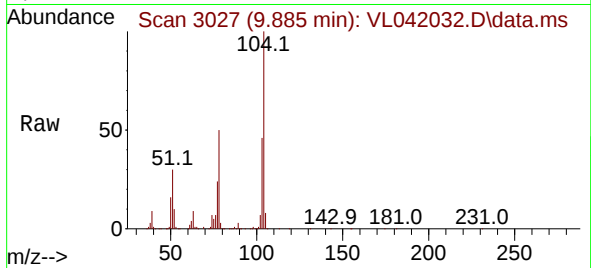




#61
Styrene
Concen: 11.515 ppbv
RT: 9.885 min Scan# 3019
Delta R.T. 0.000 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

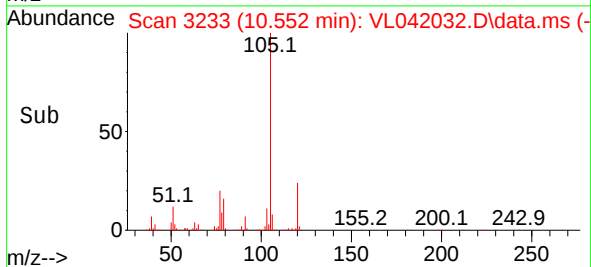
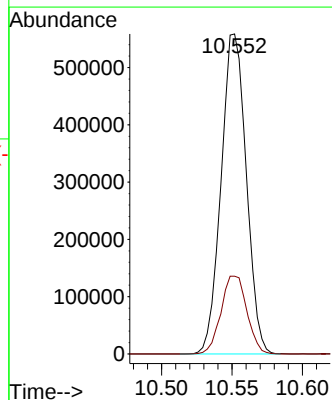
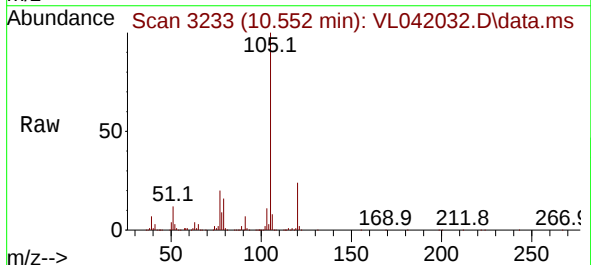
Instrument :
MSVOA_L
ClientSampleId :

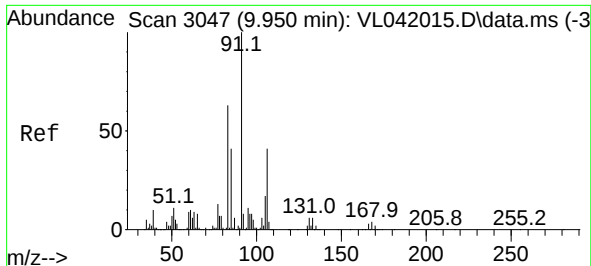
Tgt Ion:104 Resp: 233441
Ion Ratio Lower Upper
104 100
78 54.0 42.2 63.4
103 46.6 38.1 57.1



#62
Isopropylbenzene
Concen: 10.896 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

Tgt Ion:105 Resp: 695496
Ion Ratio Lower Upper
105 100
120 25.0 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 10.828 ppbv

RT: 9.976 min Scan# 3047

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

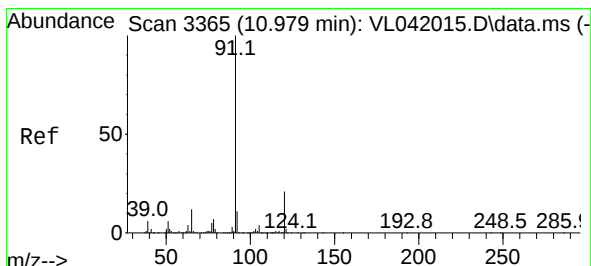
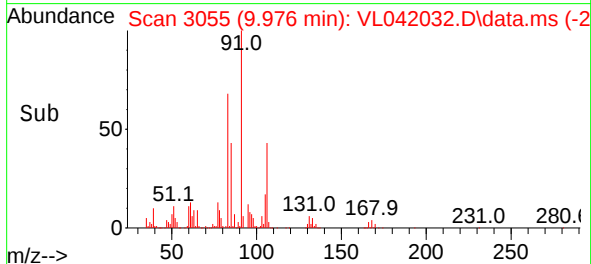
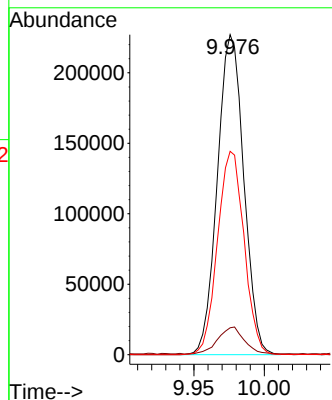
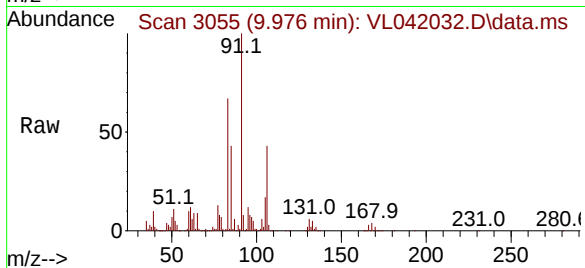
Tgt Ion: 83 Resp: 297014

Ion Ratio Lower Upper

83 100

131 8.1 5.0 15.0

85 63.8 32.1 96.3



#64

n-propylbenzene

Concen: 11.145 ppbv

RT: 11.002 min Scan# 3372

Delta R.T. -0.003 min

Lab File: VL042032.D

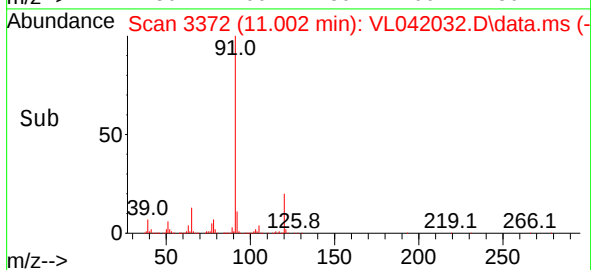
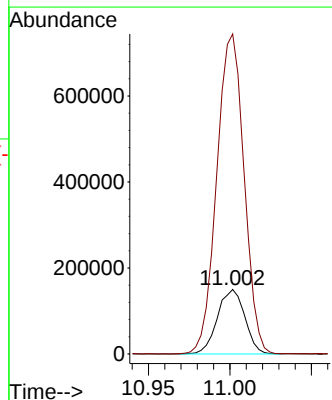
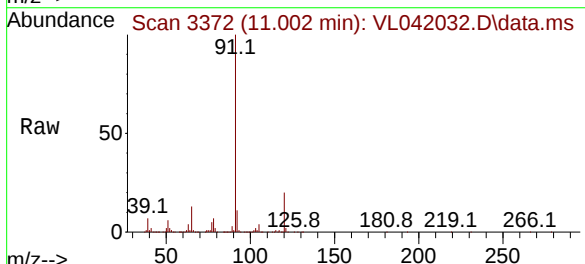
Acq: 17 Feb 2025 16:01

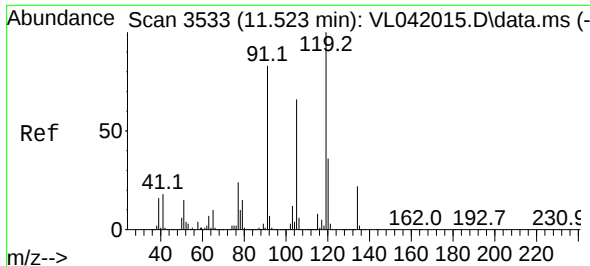
Tgt Ion:120 Resp: 174797

Ion Ratio Lower Upper

120 100

91 497.3 392.2 588.2

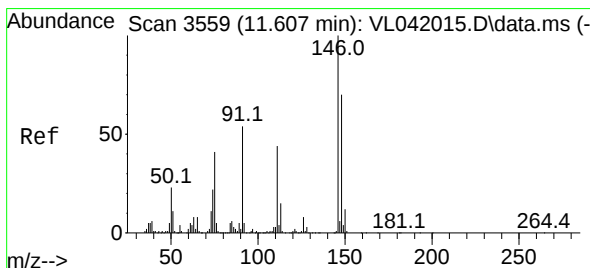
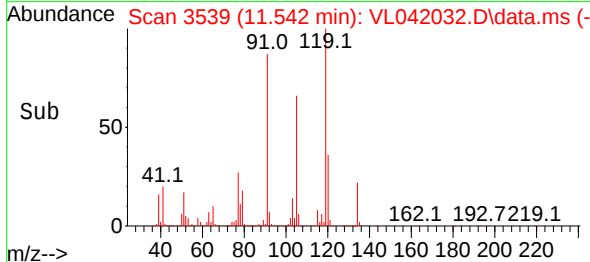
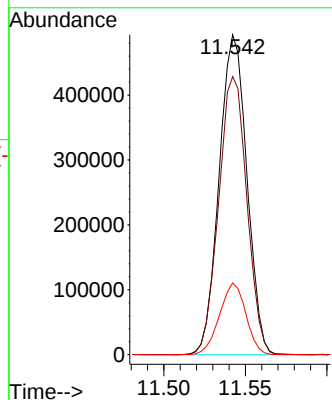
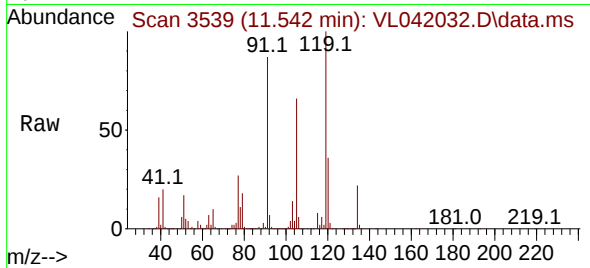




#65
tert-Butylbenzene
Concen: 10.469 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

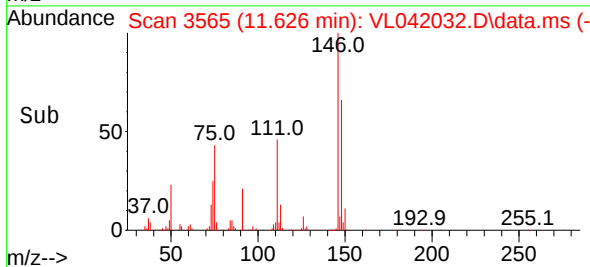
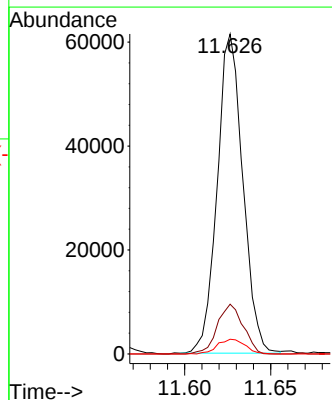
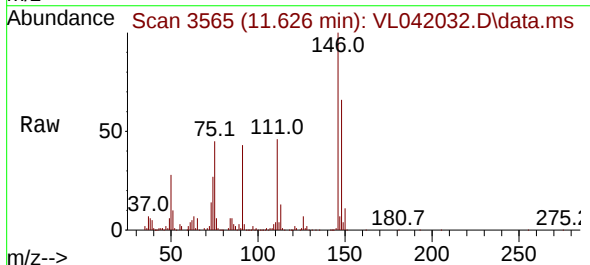
Instrument :
MSVOA_L
ClientSampleId :

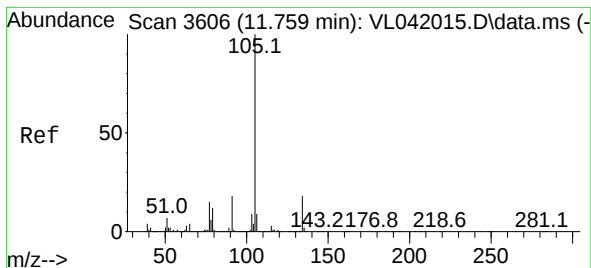
Tgt Ion:119 Resp: 582531
Ion Ratio Lower Upper
119 100
91 88.4 66.5 99.7
134 21.3 16.6 24.8



#66
Benzyl Chloride
Concen: 11.397 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

Tgt Ion: 91 Resp: 63565
Ion Ratio Lower Upper
91 100
126 15.7 13.8 20.6
128 5.0 4.1 6.1





#67

sec-Butylbenzene

Concen: 10.986 ppbv

RT: 11.778 min Scan# 3182

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

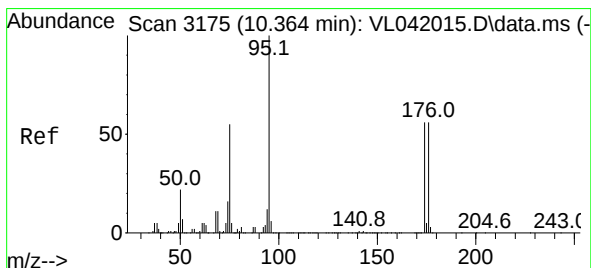
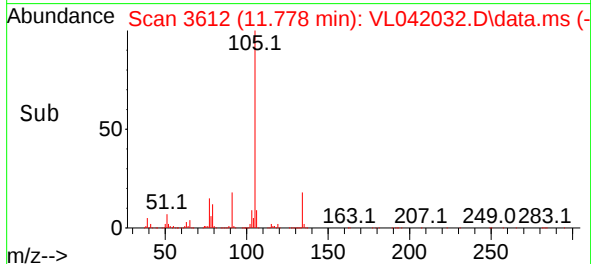
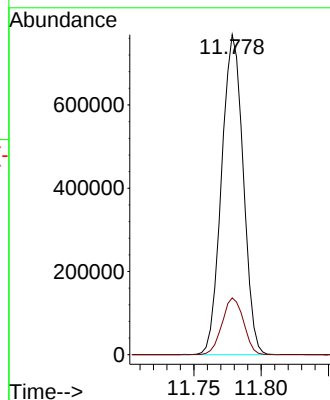
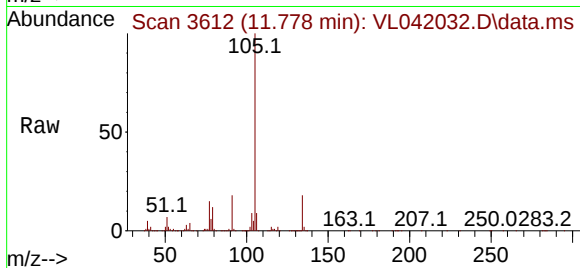
ClientSampleId :

Tgt Ion:105 Resp: 858669

Ion Ratio Lower Upper

105 100

134 17.7 14.7 22.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.111 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

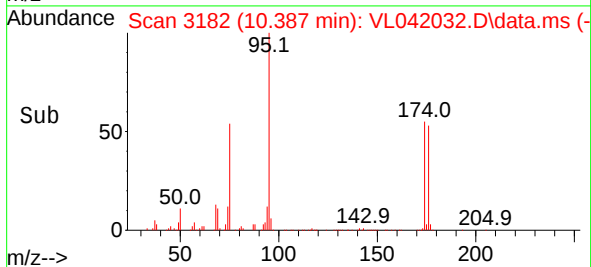
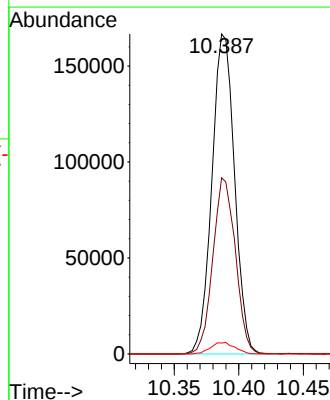
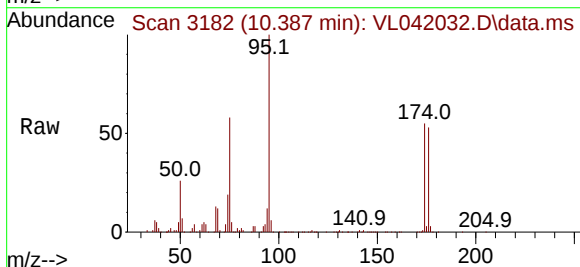
Tgt Ion: 95 Resp: 203385

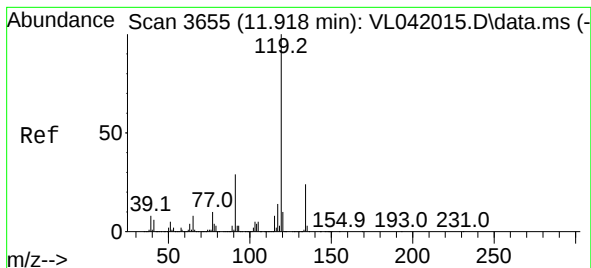
Ion Ratio Lower Upper

95 100

174 54.9 46.7 70.1

175 3.9 3.7 5.5





#69

p-Isopropyltoluene

Concen: 10.805 ppbv

RT: 11.937 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

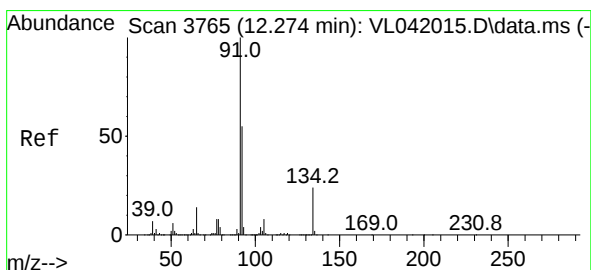
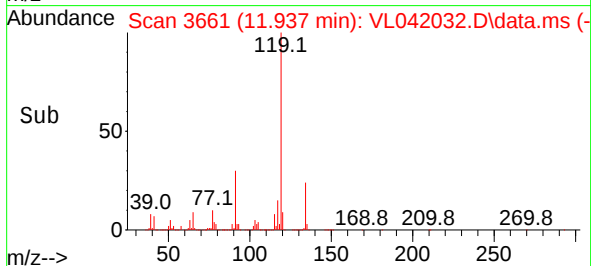
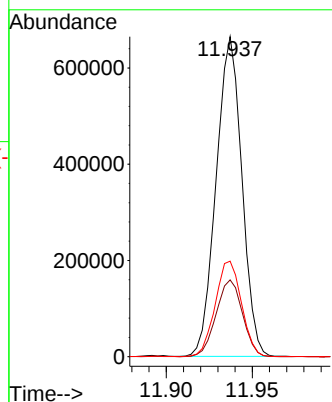
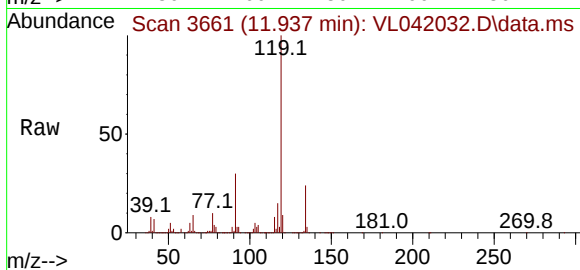
Tgt Ion:119 Resp: 691315

Ion Ratio Lower Upper

119 100

134 24.7 19.4 29.0

91 30.7 23.4 35.2



#70

n-Butylbenzene

Concen: 11.688 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. 0.000 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

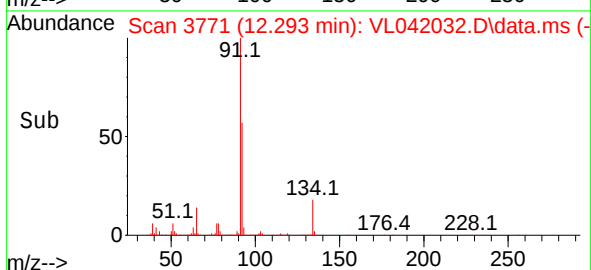
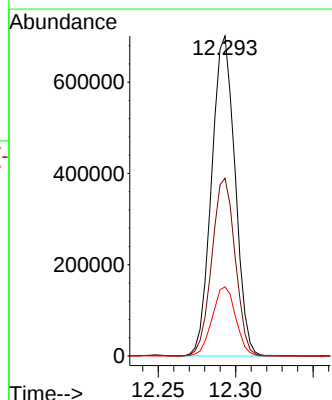
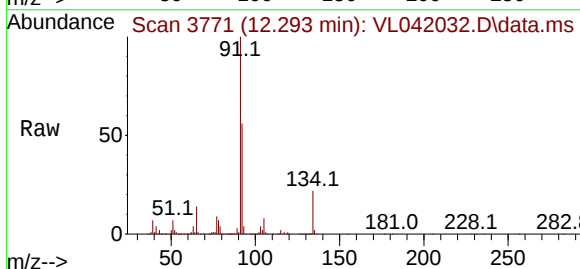
Tgt Ion: 91 Resp: 736580

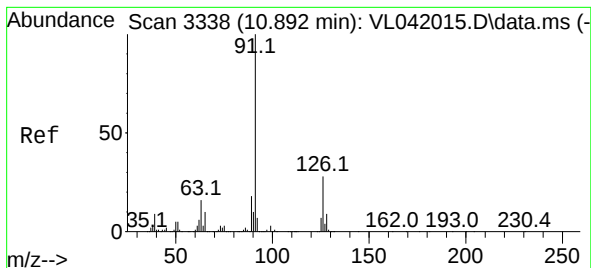
Ion Ratio Lower Upper

91 100

92 55.6 43.8 65.8

134 21.7 18.6 27.8





#71

2-Chlorotoluene

Concen: 11.342 ppbv

RT: 10.914 min Scan# 3414

Delta R.T. 0.000 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

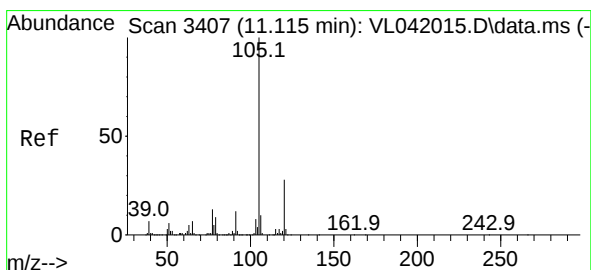
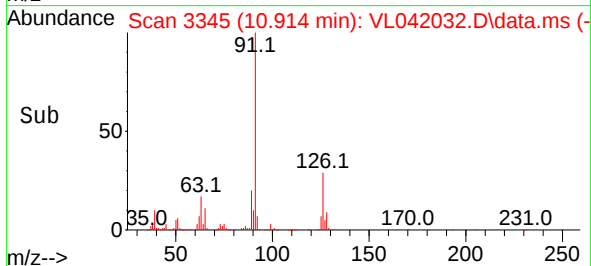
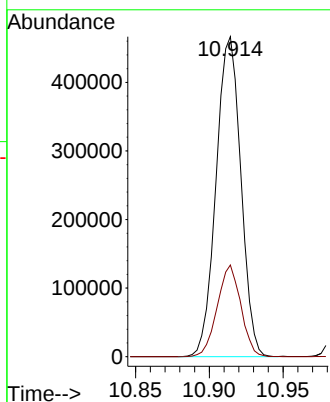
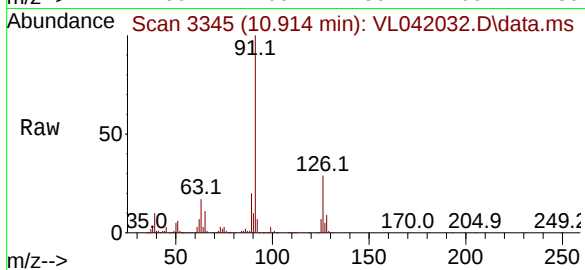
ClientSampleId :

Tgt Ion: 91 Resp: 545190

Ion Ratio Lower Upper

91 100

126 27.2 11.2 45.0



#72

4-Ethyltoluene

Concen: 11.347 ppbv

RT: 11.138 min Scan# 3414

Delta R.T. 0.000 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Tgt Ion:105 Resp: 565164

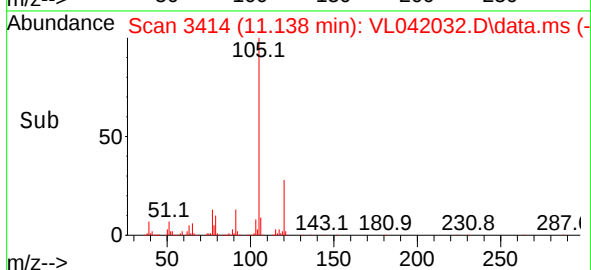
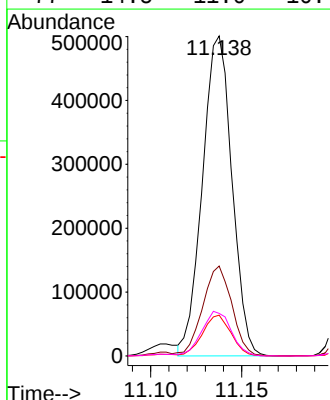
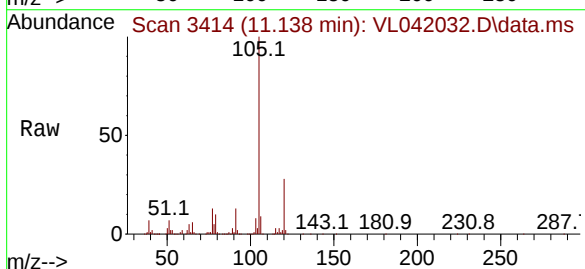
Ion Ratio Lower Upper

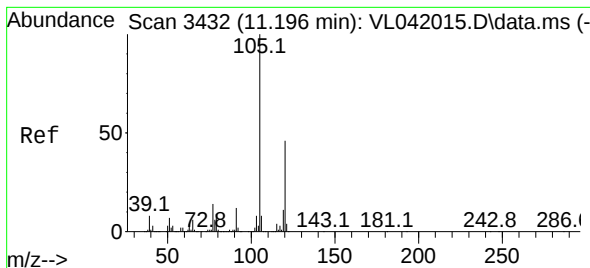
105 100

120 28.7 22.7 34.1

91 12.8 10.2 15.2

77 14.5 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 11.230 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

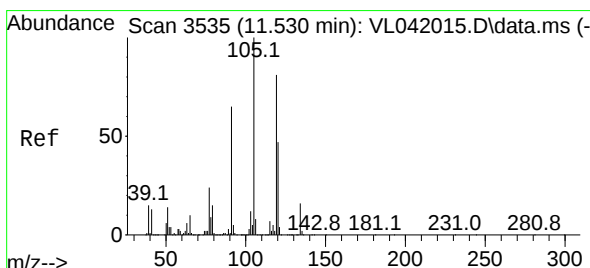
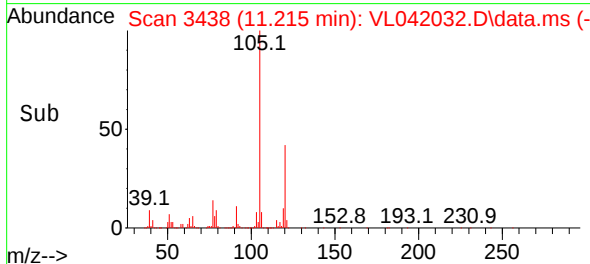
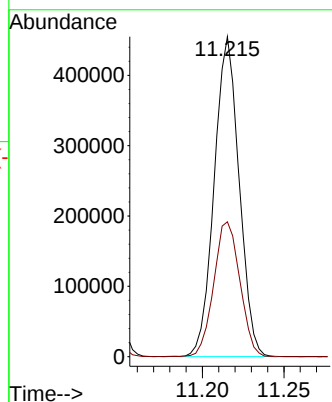
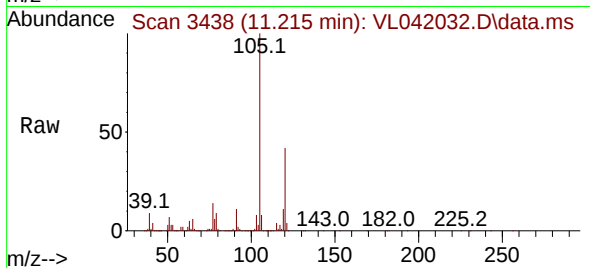
ClientSampleId :

Tgt Ion:105 Resp: 482520

Ion Ratio Lower Upper

105 100

120 42.2 37.1 55.7



#74

1,2,4-Trimethylbenzene

Concen: 10.892 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Tgt Ion:105 Resp: 502270

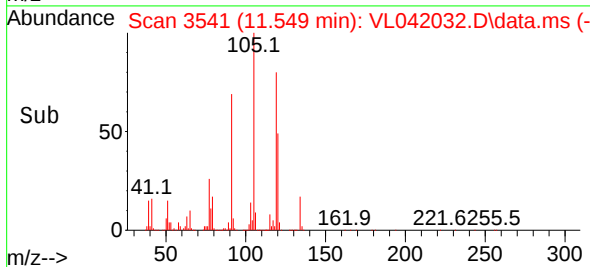
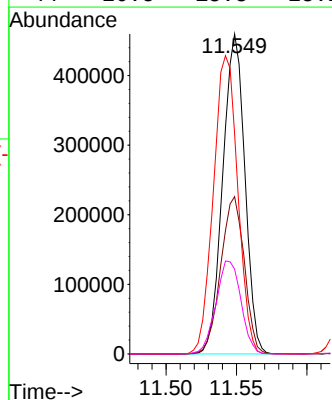
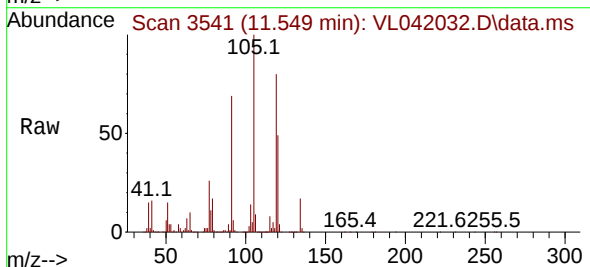
Ion Ratio Lower Upper

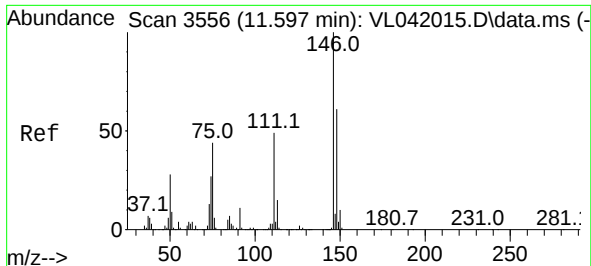
105 100

120 49.2 37.5 56.3

91 68.8 51.7 77.5

77 26.5 18.8 28.2

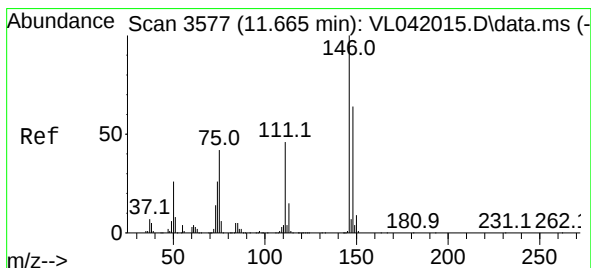
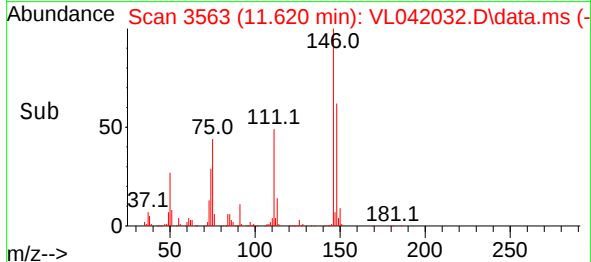
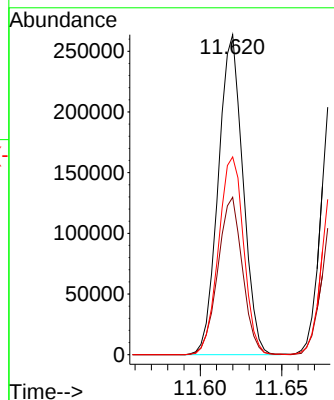
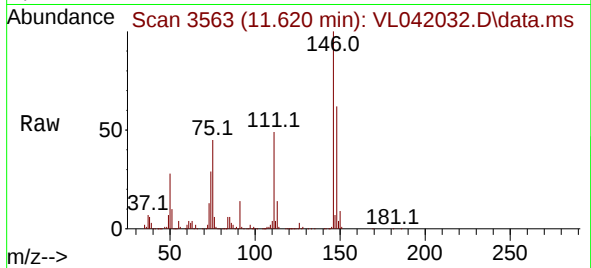




#75
1,3-Dichlorobenzene
Concen: 11.163 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

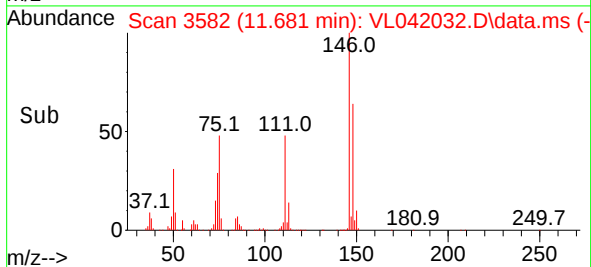
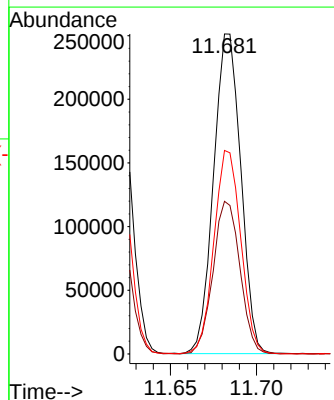
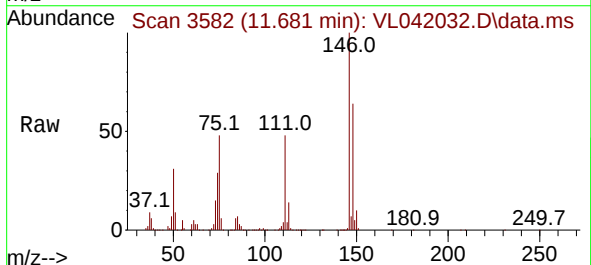
Instrument :
MSVOA_L
ClientSampleId :

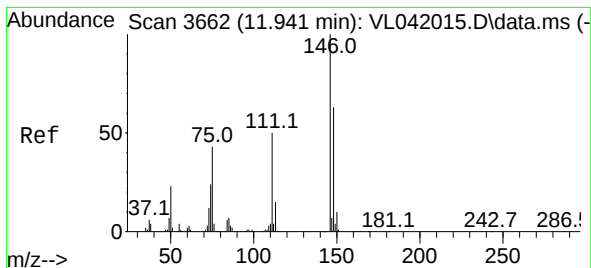
Tgt Ion:146 Resp: 277092
Ion Ratio Lower Upper
146 100
111 49.1 23.9 71.7
148 62.8 31.5 94.5



#76
1,4-Dichlorobenzene
Concen: 11.421 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. -0.003 min
Lab File: VL042032.D
Acq: 17 Feb 2025 16:01

Tgt Ion:146 Resp: 276464
Ion Ratio Lower Upper
146 100
111 47.4 23.5 70.5
148 62.8 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 11.145 ppbv

RT: 11.960 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

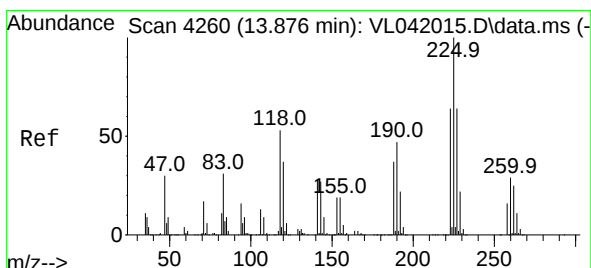
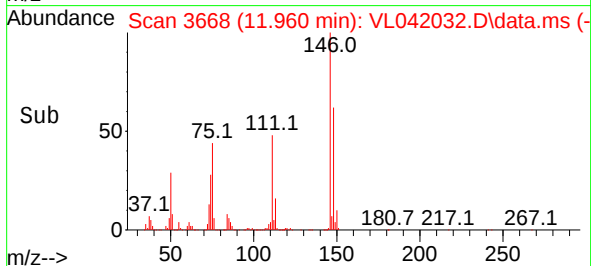
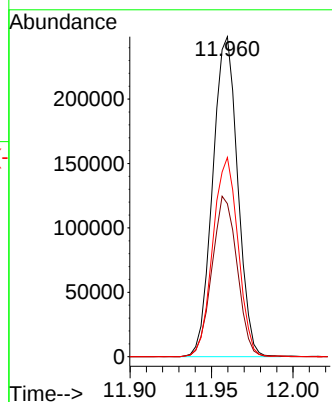
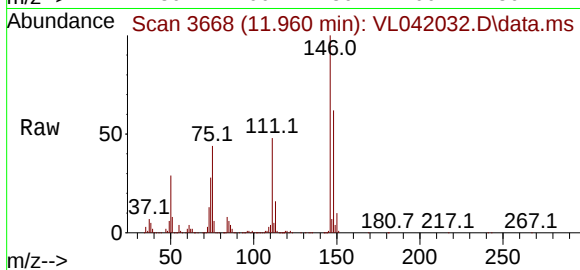
Tgt Ion:146 Resp: 264461

Ion Ratio Lower Upper

146 100

111 50.4 25.6 76.8

148 62.9 31.9 95.7



#78

Hexachloro-1,3-Butadiene

Concen: 9.390 ppbv

RT: 13.892 min Scan# 4265

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

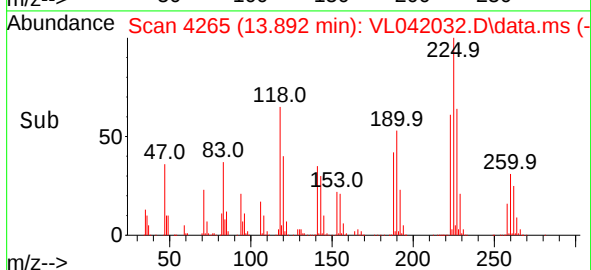
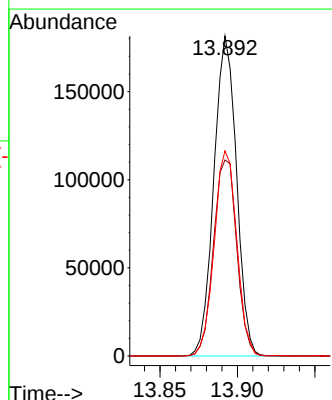
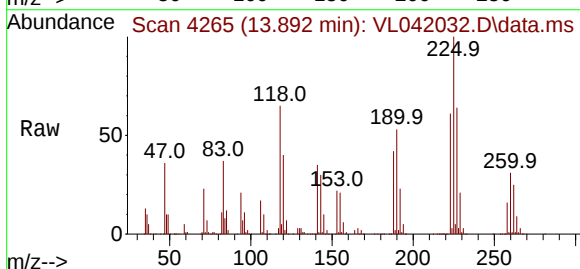
Tgt Ion:225 Resp: 184335

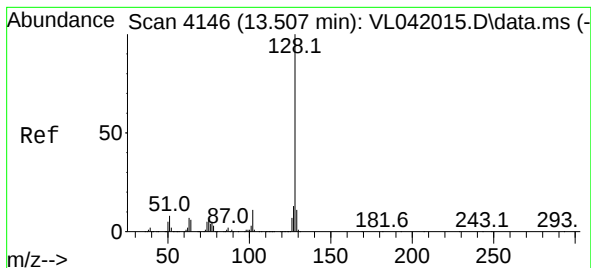
Ion Ratio Lower Upper

225 100

223 63.0 50.6 75.8

227 63.9 50.9 76.3





#79

Naphthalene

Concen: 10.265 ppbv

RT: 13.523 min Scan# 4146

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :

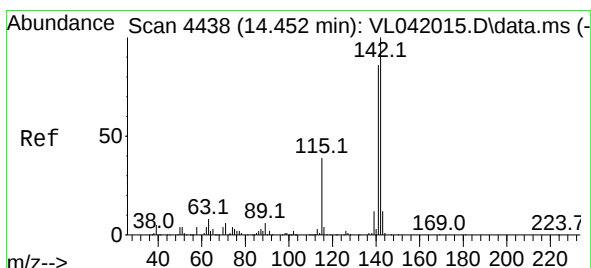
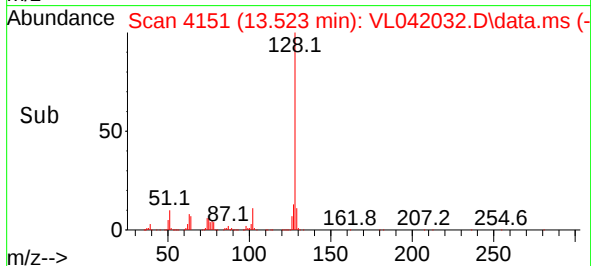
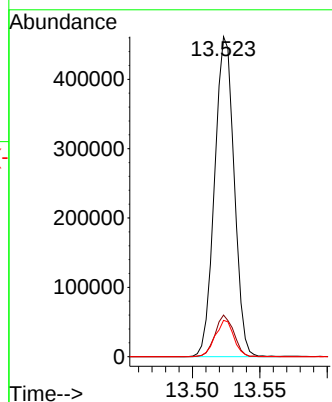
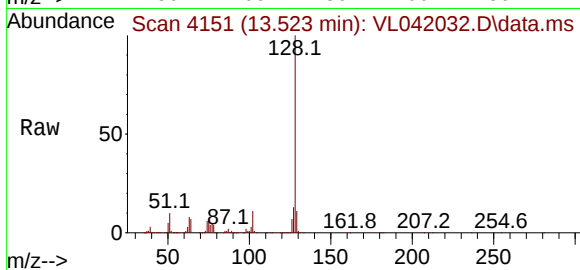
Tgt Ion:128 Resp: 465626

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 11.3 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 10.043 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. -0.003 min

Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

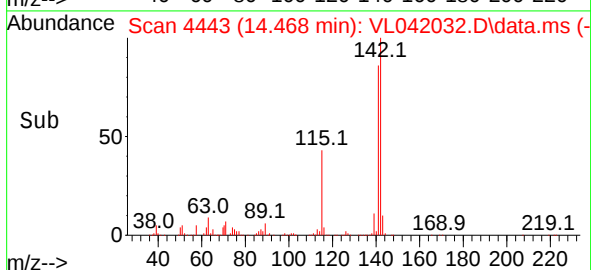
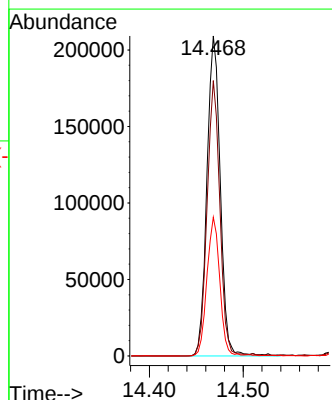
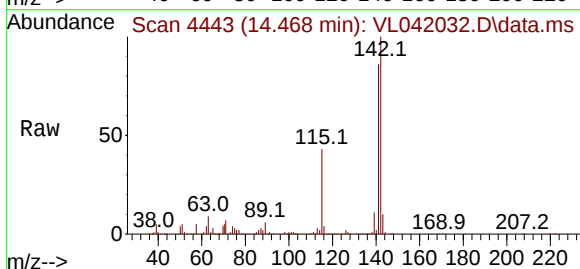
Tgt Ion:142 Resp: 206234

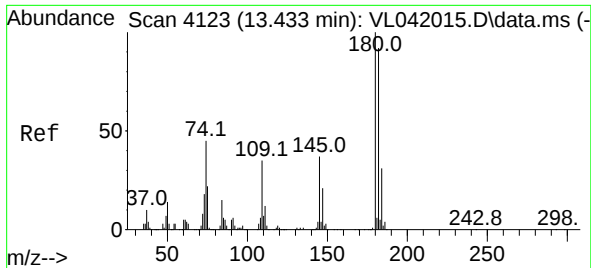
Ion Ratio Lower Upper

142 100

141 82.6 68.2 102.2

115 42.3 33.6 50.4





#81

1,2,4-Trichlorobenzene

Concen: 10.372 ppbv

RT: 13.452 min Scan# 41

Delta R.T. -0.003 min

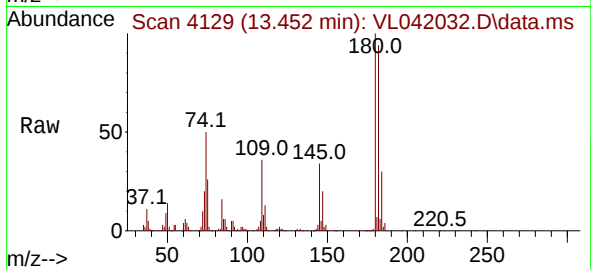
Lab File: VL042032.D

Acq: 17 Feb 2025 16:01

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 191253

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.6

184 30.1 24.2 36.4

