

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042255.D
 Acq On : 08 Apr 2025 10:05
 Operator : SY/MD
 Sample : VL0408ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABS01

Quant Time: Apr 09 01:51:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.803	49	190420	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	494678	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	447066	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	367418	10.008	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	273062	9.712	ppbv	99
3) Chlorodifluoromethane	1.483	51	292844	10.196	ppbv	100
4) Chloromethane	1.538	50	112659	9.805	ppbv	100
5) Vinyl Chloride	1.586	62	103863	8.530	ppbv	96
6) Bromomethane	1.674	94	45172	8.675	ppbv	97
7) Chloroethane	1.713	64	42251	9.161	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	232959	9.730	ppbv	93
9) Propene	1.489	41	111408	8.462	ppbv	99
10) Heptane	5.011	43	333061	9.511	ppbv	99
11) Trichlorofluoromethane	1.887	101	263188	9.620	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.150	101	211536	9.407	ppbv	98
13) Ethanol	1.729	45	6066	4.874	ppbv	82
14) Bromoethene	1.790	108	74695	8.671	ppbv	98
15) Acetone	1.842	43	235954	8.860	ppbv	95
16) 1,3-Butadiene	1.615	39	115796	8.904	ppbv	95
17) tert-Butyl alcohol	2.049	59	277654	8.371	ppbv	98
18) 1,1-Dichloroethene	2.043	96	93164	8.862	ppbv	97
19) Isopropyl Alcohol	1.894	45	129418	8.613	ppbv #	34
20) Methylene Chloride	2.072	84	83277	8.396	ppbv	95
21) Allyl Chloride	2.107	41	171013	9.105	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	106692	8.782	ppbv	93
23) Vinyl Acetate	2.476	43	98533	8.549	ppbv	97
24) 1,1-Dichloroethane	2.421	63	221032	9.814	ppbv	99
25) Ethyl Acetate	2.852	43	681132	9.854	ppbv	99
26) Hexane	2.842	57	254141	9.519	ppbv	95
27) Carbon Disulfide	2.159	76	258972	9.046	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	141395	8.506	ppbv	96
29) Chloroform	2.865	83	410522	10.507	ppbv	98
30) Cyclohexane	3.878	84	211231	9.112	ppbv	97
31) cis-1,2-Dichloroethene	2.735	61	251202	9.268	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	402513	8.998	ppbv	98
34) 2-Butanone	2.570	43	379327	10.575	ppbv	98
35) Carbon Tetrachloride	3.787	117	418420	10.828	ppbv	99
36) Benzene	3.677	78	518095	10.564	ppbv	98
37) 1,2-Dichloroethane	3.237	62	315190	11.226	ppbv	99
38) Trichloroethene	4.577	130	205867	10.061	ppbv	96
39) 1,2-Dichloropropane	4.341	63	185795	10.403	ppbv	94
40) 1,4-Dioxane	4.613	88	91079	9.608	ppbv #	92
41) Tetrahydrofuran	3.072	42	210024	10.168	ppbv	97
42) Bromodichloromethane	4.519	83	434165	11.217	ppbv	99
43) Methyl Methacrylate	4.910	69	192595	9.277	ppbv	98
44) 2,2,4-Trimethylpentane	4.668	57	886873	10.701	ppbv	98
45) t-1,3-Dichloropropene	6.448	75	184852	8.299	ppbv	97

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 ClientSampleId :
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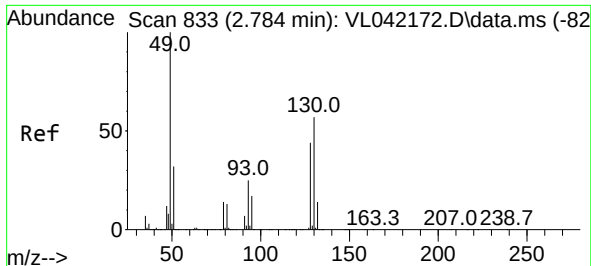
Quant Time: Apr 09 01:51:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	249791	9.149	ppbv	97
47) 1,1,2-Trichloroethane	6.613	97	210809	11.166	ppbv	98
48) Dibromochloromethane	7.412	129	348149	10.881	ppbv	99
49) Bromoform	9.503	173	307461	10.703	ppbv	99
50) 4-Methyl-2-Pentanone	5.787	43	543140	9.554	ppbv	97
51) 2-Hexanone	7.461	43	441742	9.463	ppbv #	95
52) Tetrachloroethene	8.251	164	175587	9.028	ppbv	93
53) Toluene	6.962	91	578261	9.947	ppbv	99
54) 1,2-Dibromoethane	7.678	107	282386	10.730	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.946	131	283080	11.503	ppbv	98
57) Chlorobenzene	8.943	112	481713	11.360	ppbv	98
58) Ethyl Benzene	9.377	91	841166	10.593	ppbv	99
59) m/p-Xylene	9.571	91	695111	10.962	ppbv #	25
60) o-Xylene	9.982	91	711568	11.194	ppbv	98
61) Styrene	9.888	104	319155	10.149	ppbv	99
62) Isopropylbenzene	10.558	105	1063992	11.193	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	468851	12.139	ppbv	99
64) n-propylbenzene	11.005	120	284790	11.638	ppbv	97
65) tert-Butylbenzene	11.549	119	976872	11.112	ppbv	99
66) Benzyl Chloride	11.633	91	63988	6.860	ppbv	99
67) sec-Butylbenzene	11.785	105	1377726	11.275	ppbv	99
69) p-Isopropyltoluene	11.940	119	1168405	11.104	ppbv	99
70) n-Butylbenzene	12.296	91	1217247	11.312	ppbv	99
71) 2-Chlorotoluene	10.918	91	817332	11.078	ppbv	99
72) 4-Ethyltoluene	11.141	105	906994	11.460	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	773328	11.187	ppbv	98
74) 1,2,4-Trimethylbenzene	11.555	105	862179	10.827	ppbv	99
75) 1,3-Dichlorobenzene	11.623	146	512731	11.739	ppbv	98
76) 1,4-Dichlorobenzene	11.688	146	505049	11.619	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	505323	11.883	ppbv	99
78) Hexachloro-1,3-Butadiene	13.899	225	382876	8.845	ppbv	100
79) Naphthalene	13.530	128	875824	10.055	ppbv	99
80) Naphthalene,2-methyl-	14.475	142	291105	6.815	ppbv	100
81) 1,2,4-Trichlorobenzene	13.455	180	388605	9.672	ppbv	98

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

Quant Time: Apr 09 01:51:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

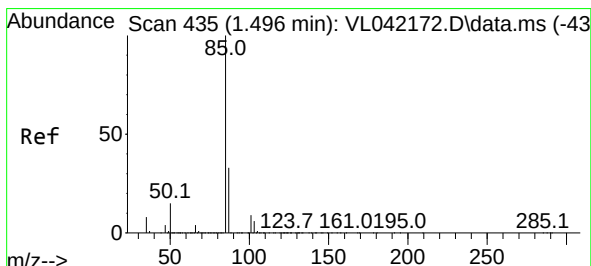
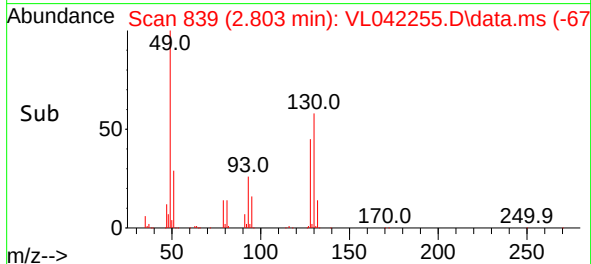
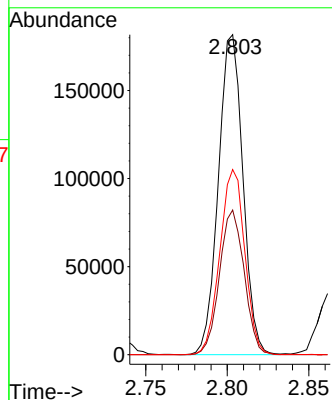
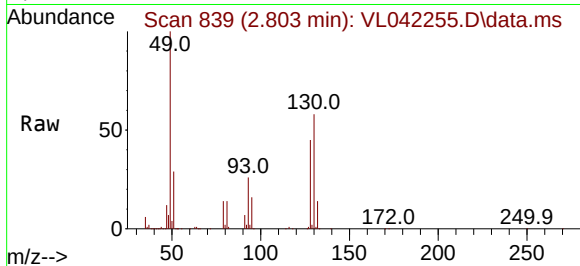




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.803 min Scan# 81
 Delta R.T. 0.019 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

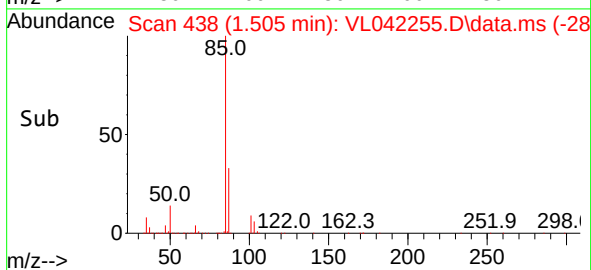
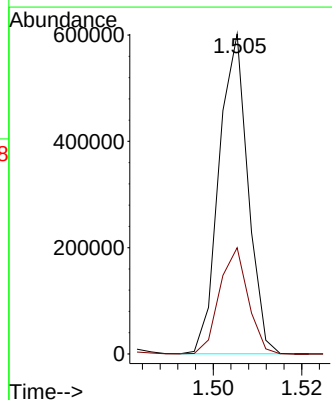
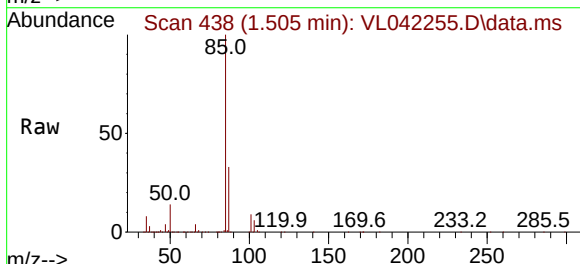
Instrument :
 MSVOA_L
 ClientSampleId :
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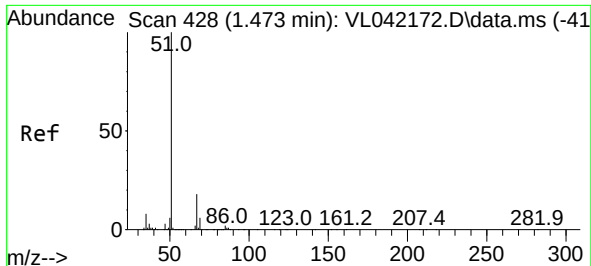
Tgt Ion: 49 Resp: 190420
 Ion Ratio Lower Upper
 49 100
 128 45.4 22.9 68.5
 130 58.9 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 9.712 ppbv
 RT: 1.505 min Scan# 438
 Delta R.T. 0.010 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

Tgt Ion: 85 Resp: 273062
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.1 39.1

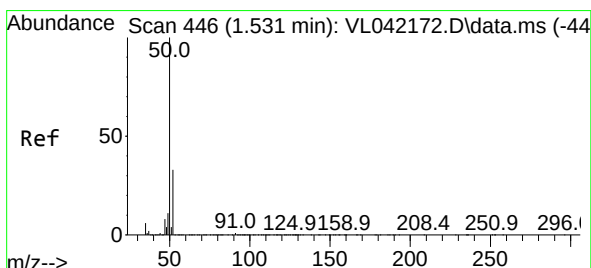
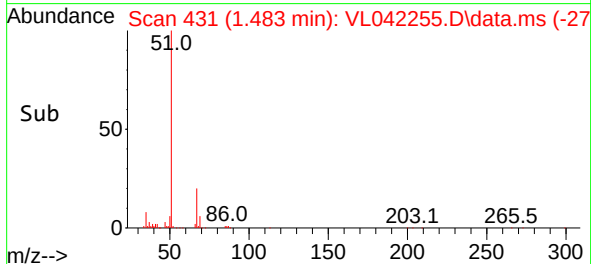
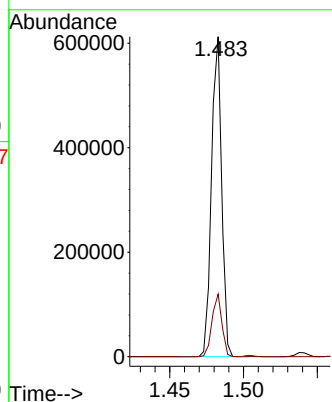
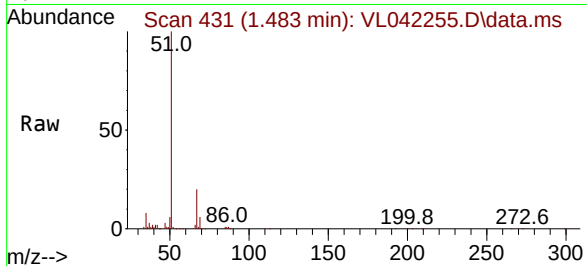




#3
Chlorodifluoromethane
Concen: 10.196 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

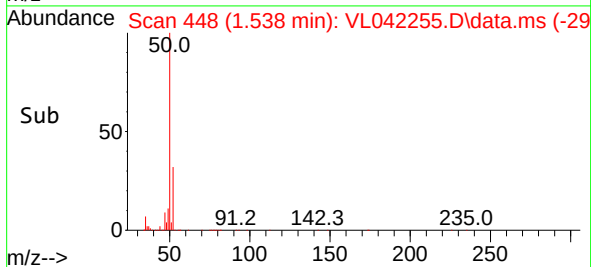
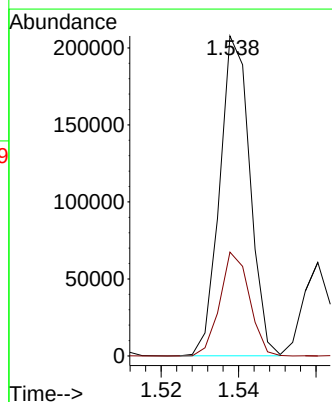
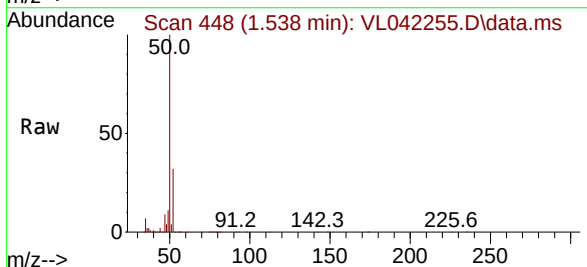
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ClientSampleId :
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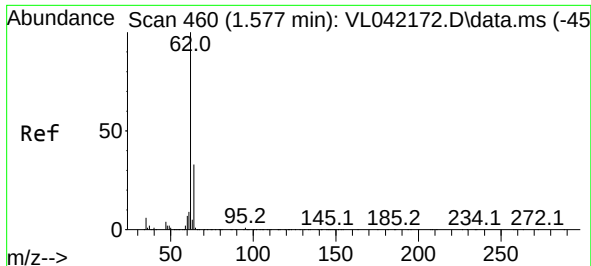
Tgt Ion: 51 Resp: 292844
Ion Ratio Lower Upper
51 100
67 19.0 15.0 22.6



#4
Chloromethane
Concen: 9.805 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 50 Resp: 112659
Ion Ratio Lower Upper
50 100
52 32.5 26.1 39.1

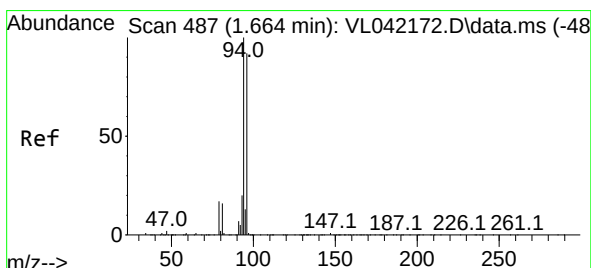
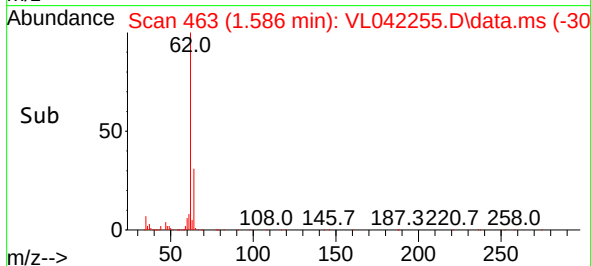
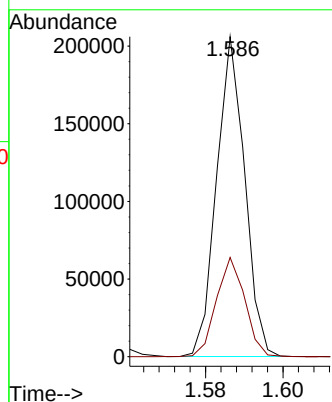
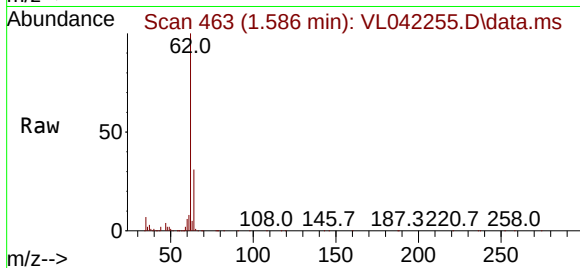




#5
 Vinyl Chloride
 Concen: 8.530 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.010 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

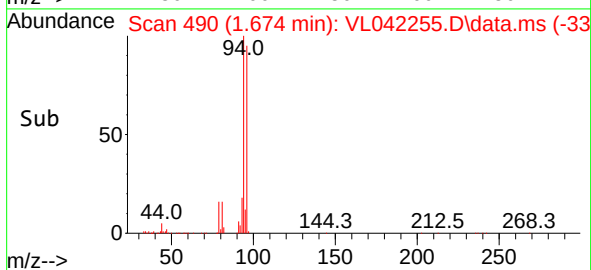
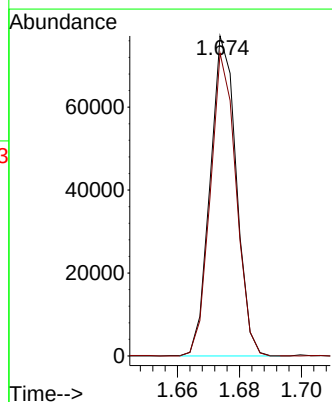
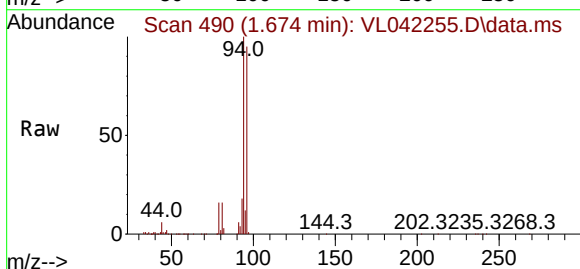
Instrument :
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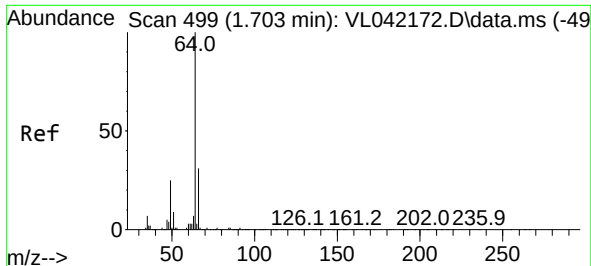
Tgt Ion: 62 Resp: 103863
 Ion Ratio Lower Upper
 62 100
 64 30.9 26.6 40.0



#6
 Bromomethane
 Concen: 8.675 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.010 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

Tgt Ion: 94 Resp: 45172
 Ion Ratio Lower Upper
 94 100
 96 94.7 73.1 109.7

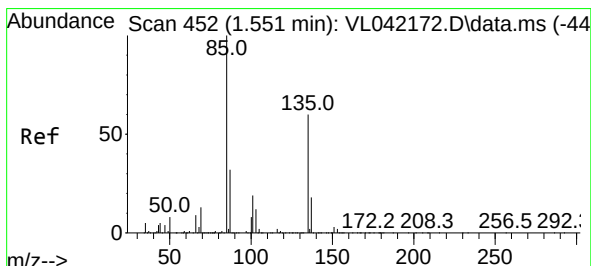
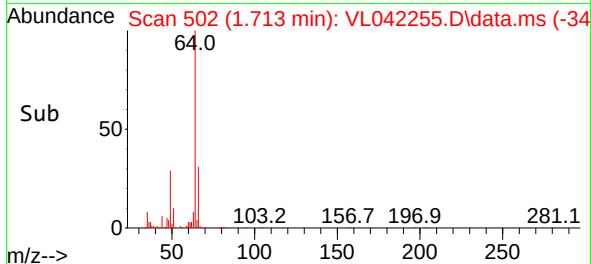
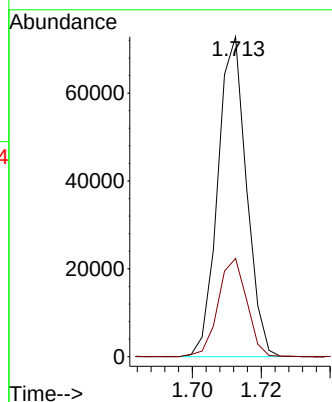
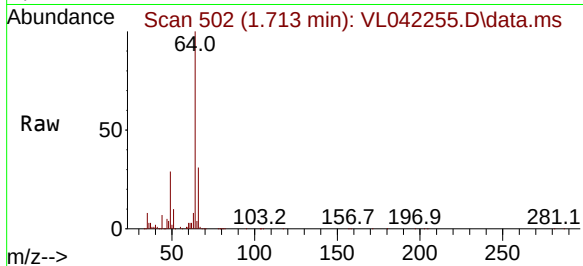




#7
Chloroethane
Concen: 9.161 ppbv
RT: 1.713 min Scan# 50
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

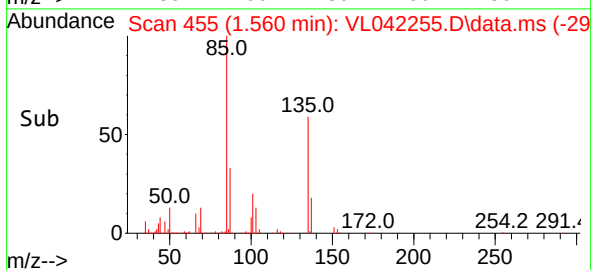
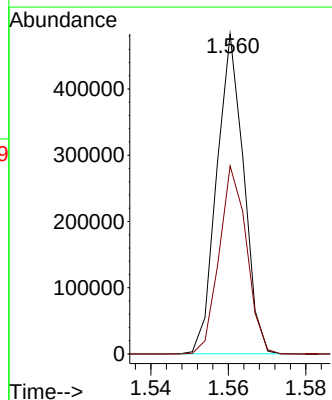
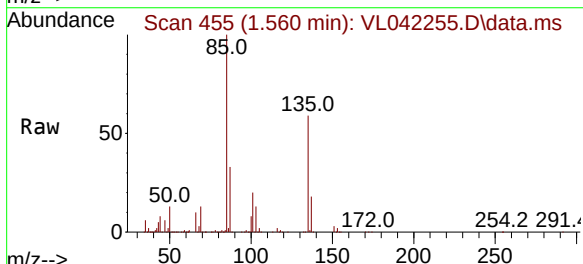
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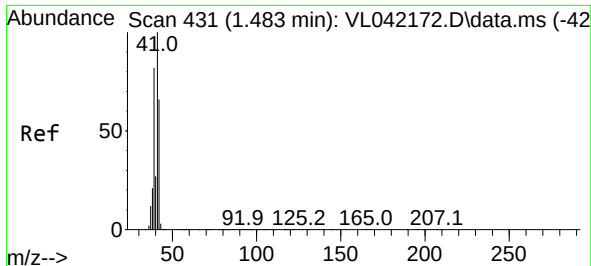
Tgt Ion: 64 Resp: 42251
Ion Ratio Lower Upper
64 100
66 30.7 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 9.730 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 85 Resp: 232959
Ion Ratio Lower Upper
85 100
135 60.1 52.4 78.6





#9

Propene

Concen: 8.462 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_1

ClientSampleId :

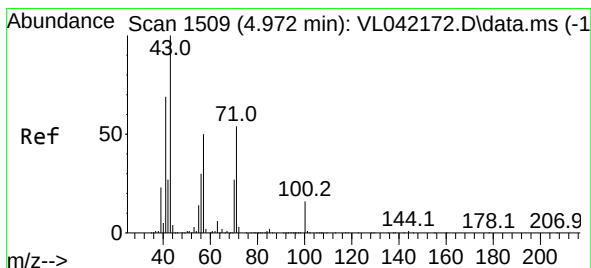
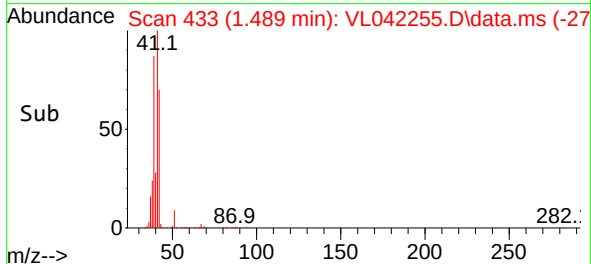
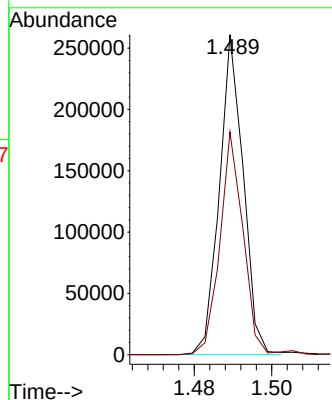
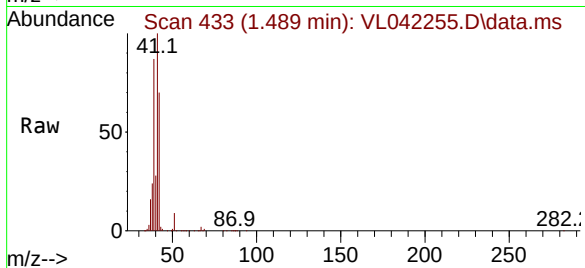
VL0408ABS01

Tgt Ion: 41 Resp: 111408

Ion Ratio Lower Upper

41 100

42 68.7 55.4 83.2



#10

Heptane

Concen: 9.511 ppbv

RT: 5.011 min Scan# 1521

Delta R.T. 0.039 min

Lab File: VL042255.D

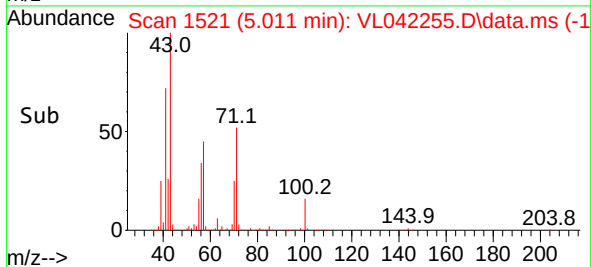
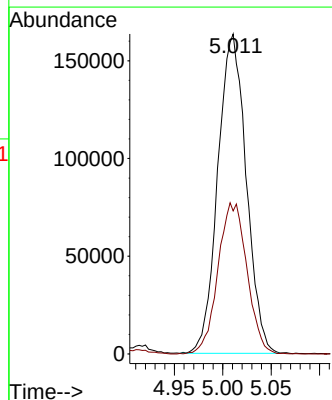
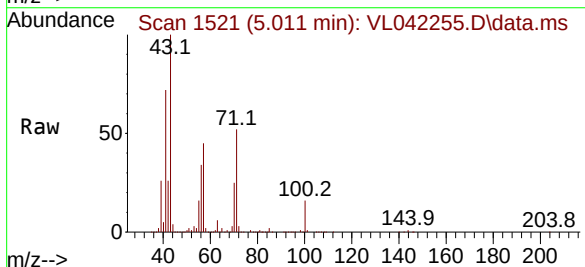
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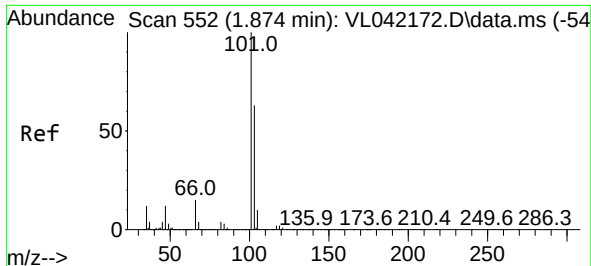
Tgt Ion: 43 Resp: 333061

Ion Ratio Lower Upper

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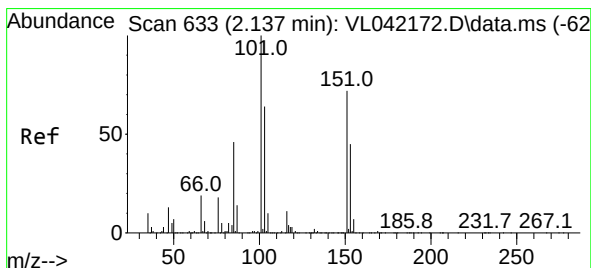
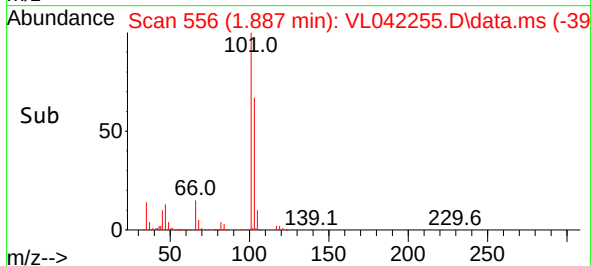
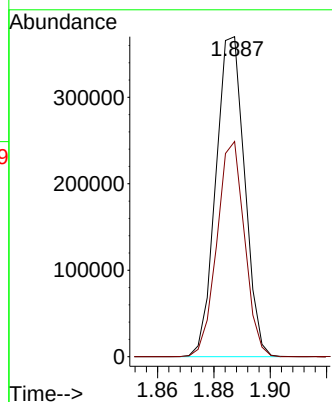
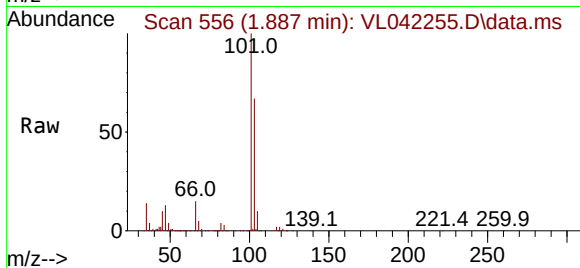




#11
 Trichlorofluoromethane
 Concen: 9.620 ppbv
 RT: 1.887 min Scan# 511
 Delta R.T. 0.013 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

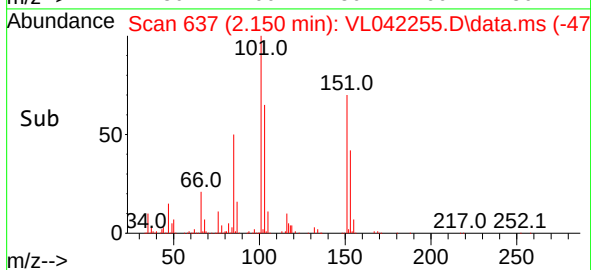
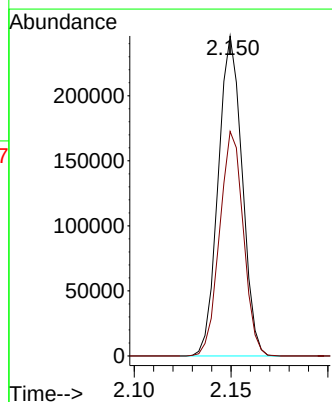
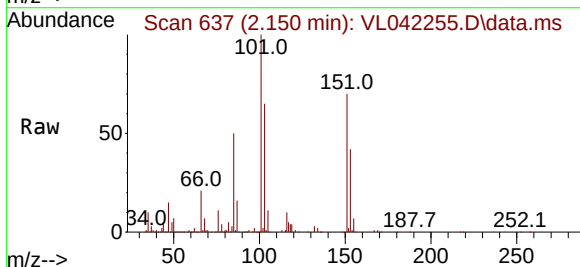
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0408ABS01

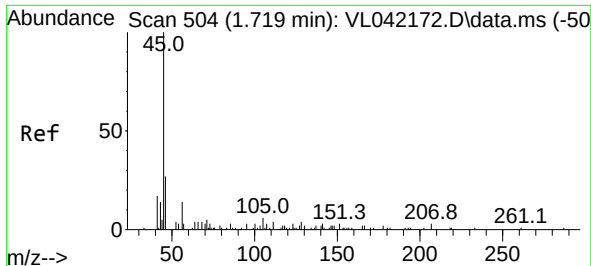
Tgt Ion:101 Resp: 263188
 Ion Ratio Lower Upper
 101 100
 103 67.2 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.407 ppbv
 RT: 2.150 min Scan# 637
 Delta R.T. 0.013 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

Tgt Ion:101 Resp: 211536
 Ion Ratio Lower Upper
 101 100
 151 69.6 57.1 85.7





#13

Ethanol

Concen: 4.874 ppbv

RT: 1.729 min Scan# 504

Delta R.T. 0.010 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

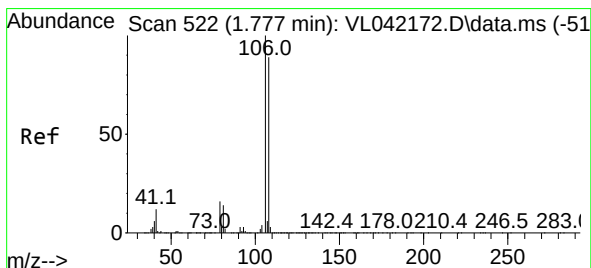
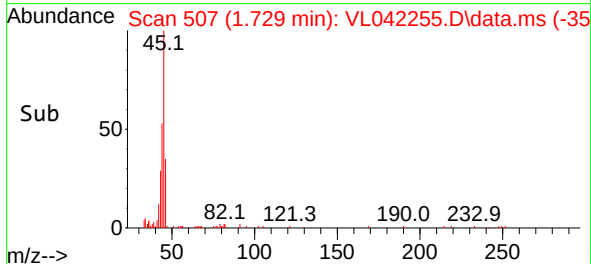
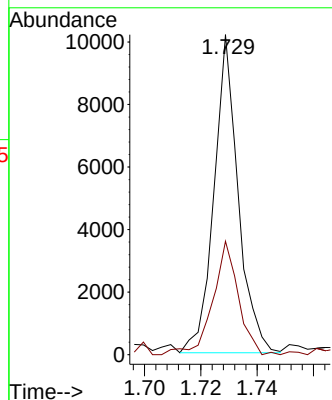
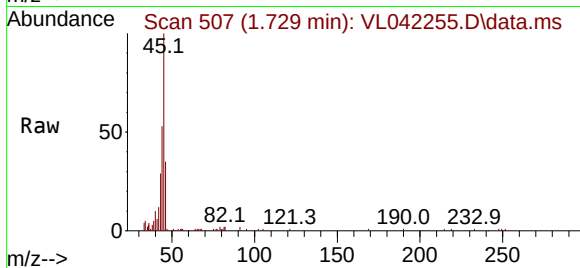
VL0408ABS01

Tgt Ion: 45 Resp: 6066

Ion Ratio Lower Upper

45 100

46 38.1 20.2 80.8



#14

Bromoethene

Concen: 8.671 ppbv

RT: 1.790 min Scan# 526

Delta R.T. 0.013 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

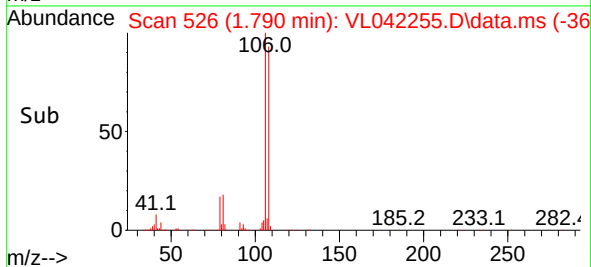
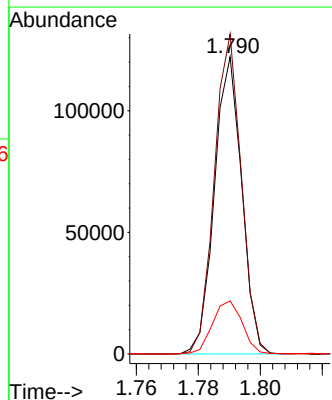
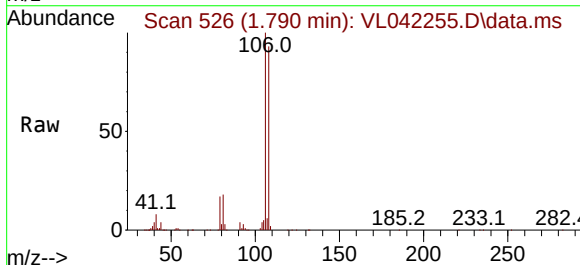
Tgt Ion: 108 Resp: 74695

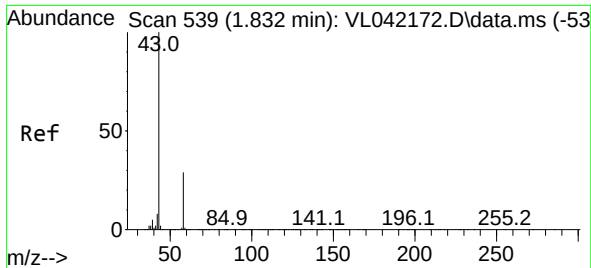
Ion Ratio Lower Upper

108 100

106 106.1 86.8 130.2

79 19.5 15.0 22.6





#15

Acetone

Concen: 8.860 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.010 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

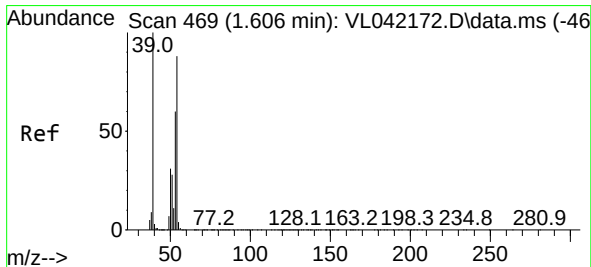
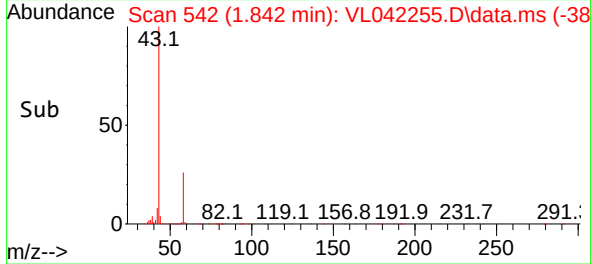
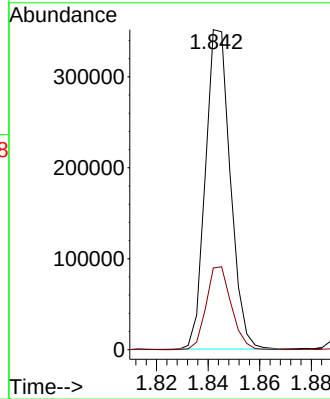
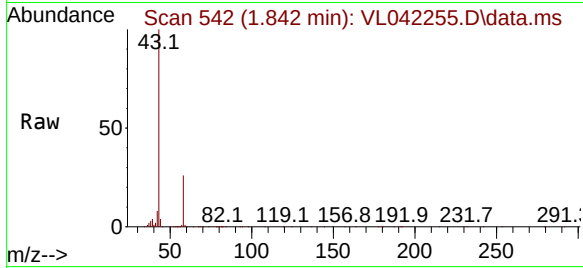
VL0408ABS01

Tgt Ion: 43 Resp: 235954

Ion Ratio Lower Upper

43 100

58 26.4 23.2 34.8



#16

1,3-Butadiene

Concen: 8.904 ppbv

RT: 1.615 min Scan# 472

Delta R.T. 0.010 min

Lab File: VL042255.D

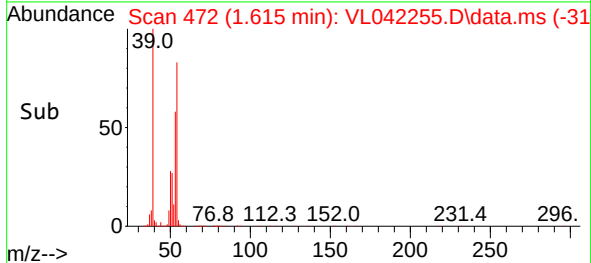
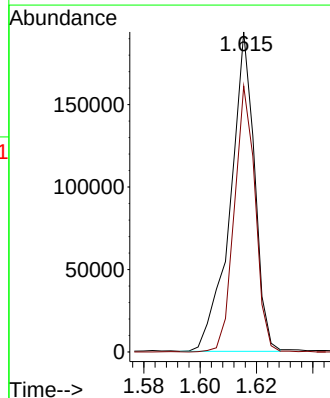
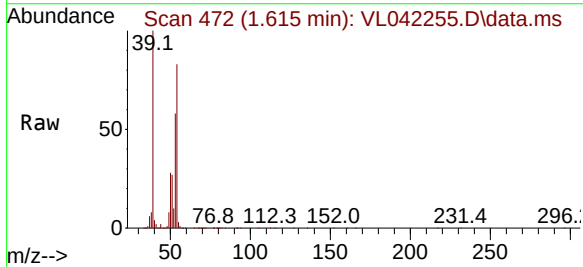
Acq: 08 Apr 2025 10:05

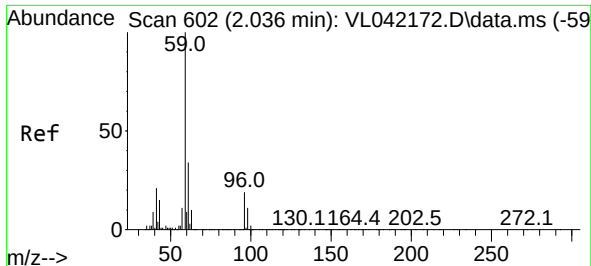
Tgt Ion: 39 Resp: 115796

Ion Ratio Lower Upper

39 100

54 71.9 60.7 91.1





#17

tert-Butyl alcohol

Concen: 8.371 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.013 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

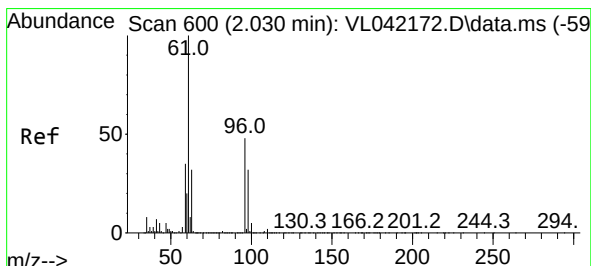
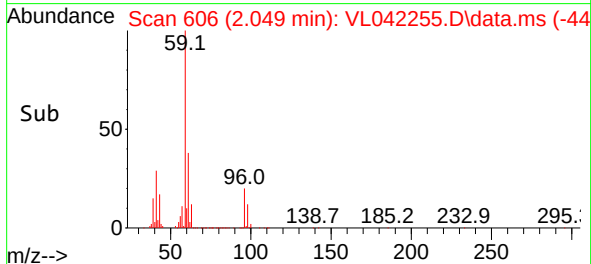
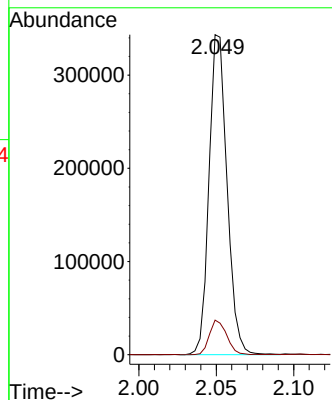
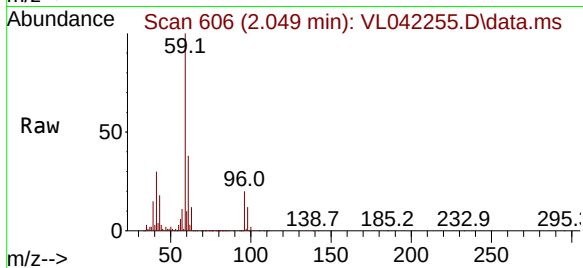
VL0408ABS01

Tgt Ion: 59 Resp: 277654

Ion Ratio Lower Upper

59 100

57 10.3 8.9 13.3



#18

1,1-Dichloroethene

Concen: 8.862 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.013 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

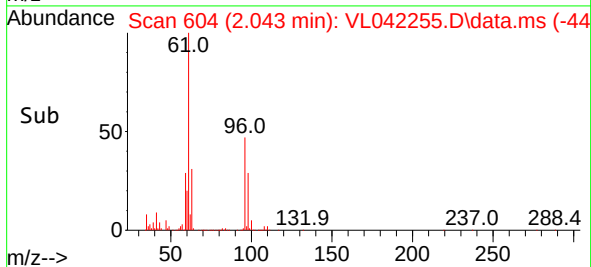
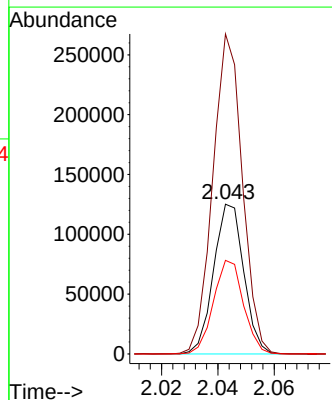
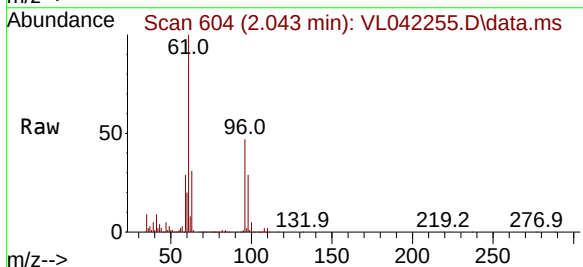
Tgt Ion: 96 Resp: 93164

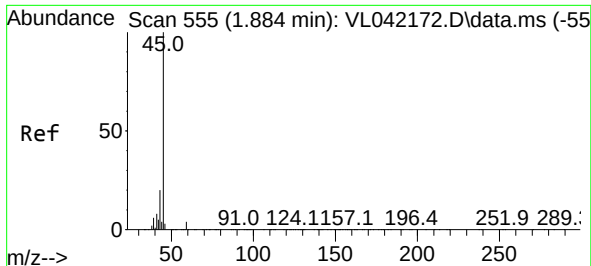
Ion Ratio Lower Upper

96 100

61 213.3 167.6 251.4

98 62.4 53.5 80.3

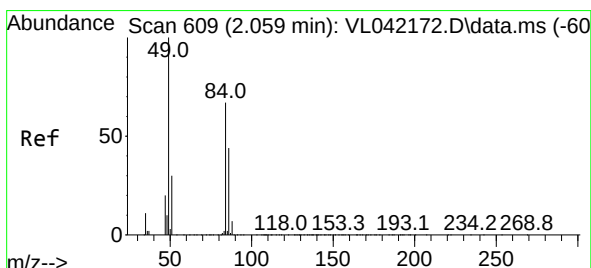
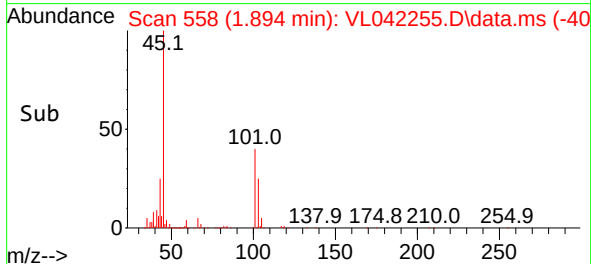
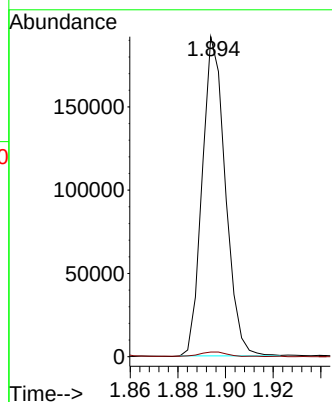
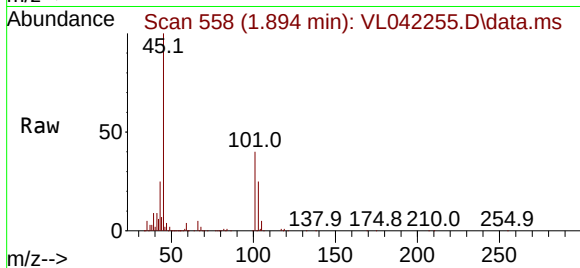




#19
Isopropyl Alcohol
Concen: 8.613 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

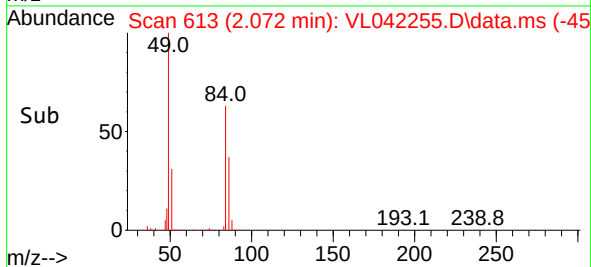
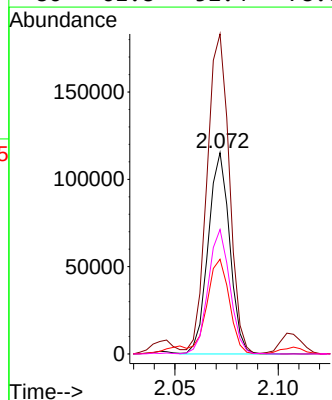
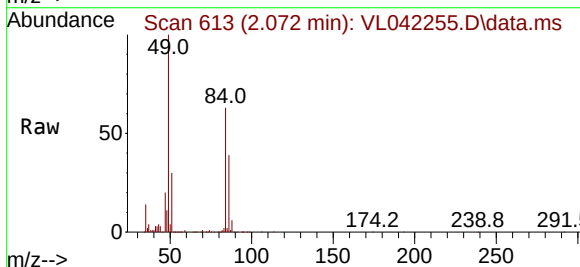
Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

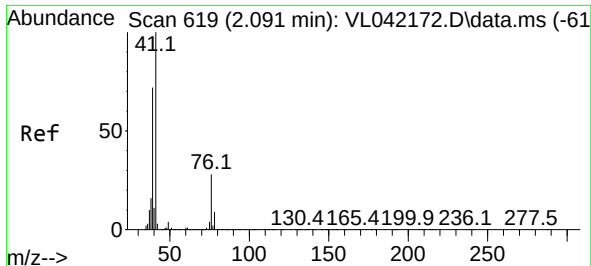
Tgt Ion: 45 Resp: 129418
Ion Ratio Lower Upper
45 100
58 2.1 36.9 55.3#



#20
Methylene Chloride
Concen: 8.396 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 84 Resp: 83277
Ion Ratio Lower Upper
84 100
49 156.9 120.2 180.4
51 44.9 37.4 56.0
86 61.8 52.4 78.6

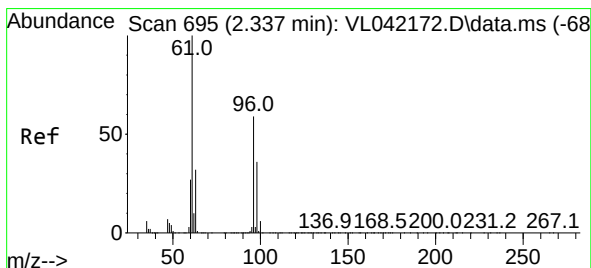
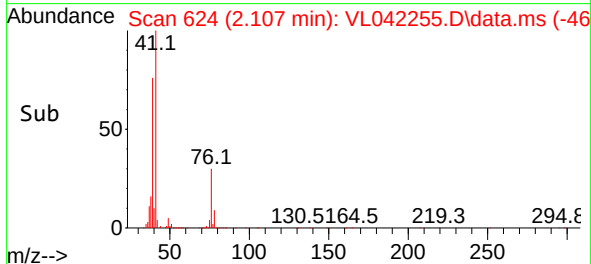
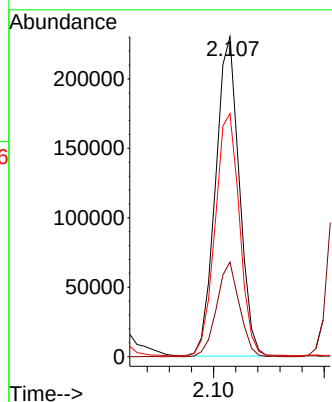
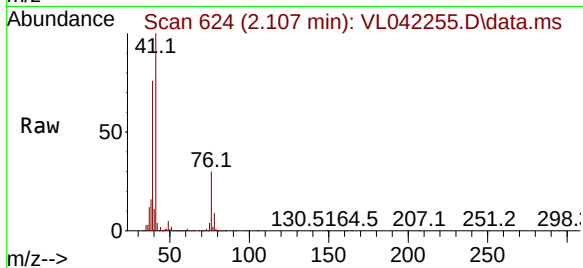




#21
 Allyl Chloride
 Concen: 9.105 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.016 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

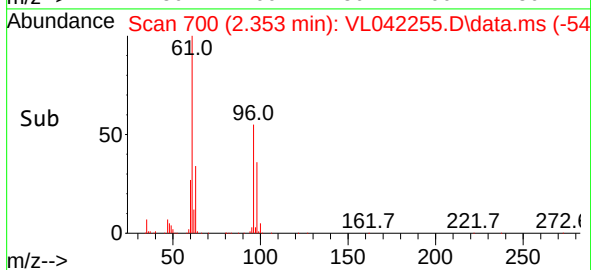
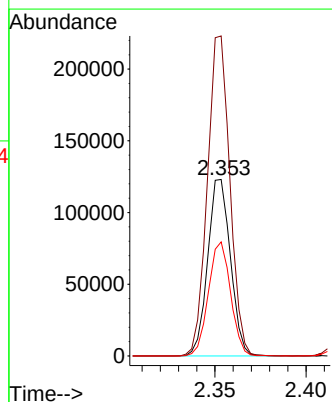
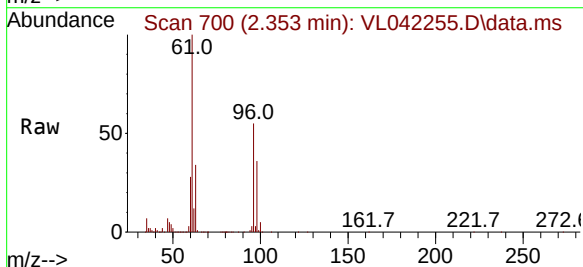
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0408ABS01

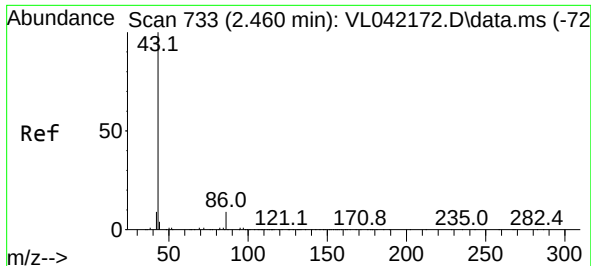
Tgt Ion: 41 Resp: 171013
 Ion Ratio Lower Upper
 41 100
 76 28.5 24.1 36.1
 39 77.8 61.1 91.7



#22
 trans-1,2-Dichloroethene
 Concen: 8.782 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.016 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

Tgt Ion: 96 Resp: 106692
 Ion Ratio Lower Upper
 96 100
 61 181.3 136.6 204.8
 98 64.6 49.4 74.2

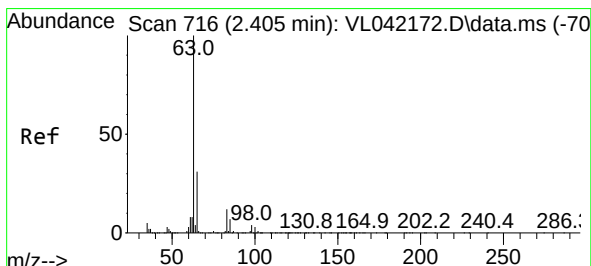
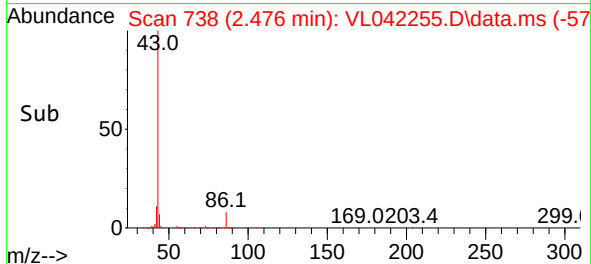
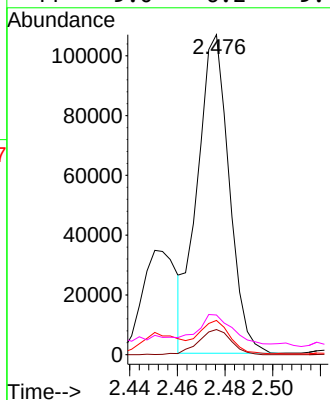
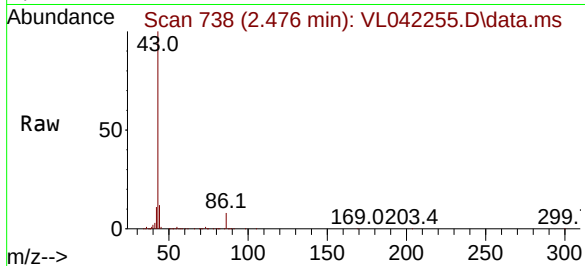




#23
 Vinyl Acetate
 Concen: 8.549 ppbv
 RT: 2.476 min Scan# 71
 Delta R.T. 0.016 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

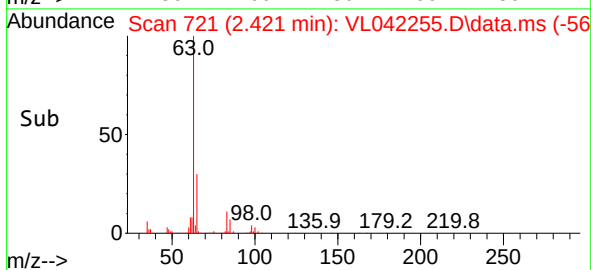
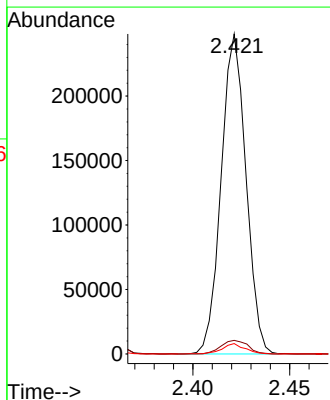
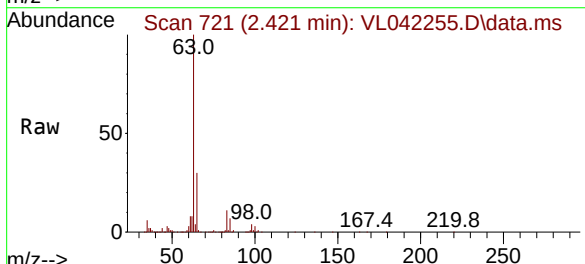
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0408ABS01

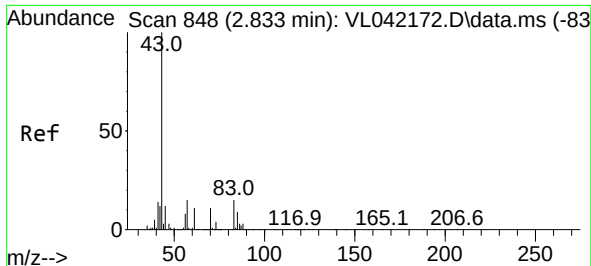
Tgt Ion: 43	Resp: 98533
Ion Ratio	Lower Upper
43 100	
86 7.9	5.5 8.3
42 9.9	8.6 13.0
44 9.0	6.2 9.4



#24
 1,1-Dichloroethane
 Concen: 9.814 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.016 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

Tgt Ion: 63	Resp: 221032
Ion Ratio	Lower Upper
63 100	
98 4.2	2.3 6.8
100 3.3	1.6 4.7





#25

Ethyl Acetate

Concen: 9.854 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tgt Ion: 43 Resp: 681132

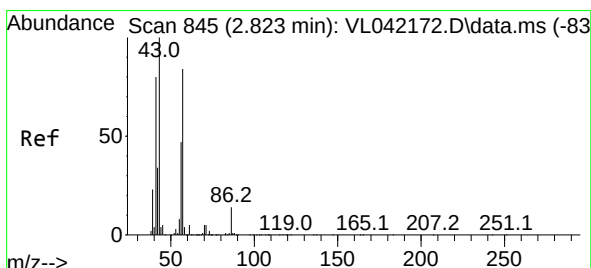
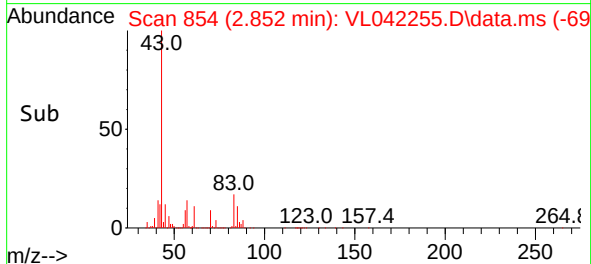
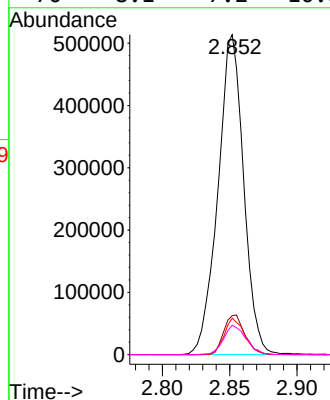
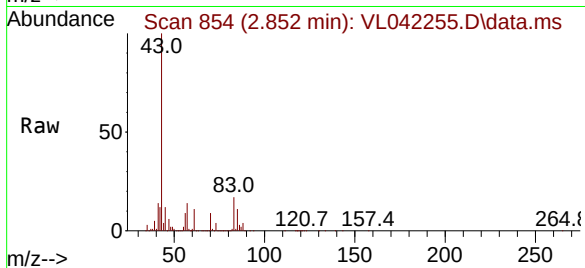
Ion Ratio Lower Upper

43 100

45 10.2 8.2 12.2

61 9.2 7.3 10.9

70 8.1 7.2 10.8



#26

Hexane

Concen: 9.519 ppbv

RT: 2.842 min Scan# 851

Delta R.T. 0.019 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Tgt Ion: 57 Resp: 254141

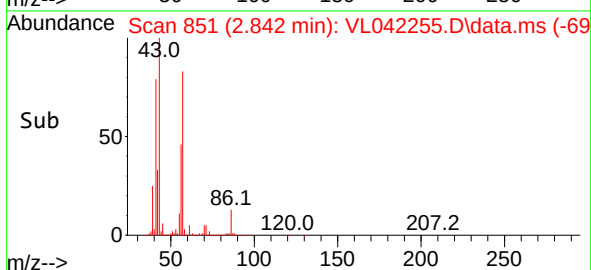
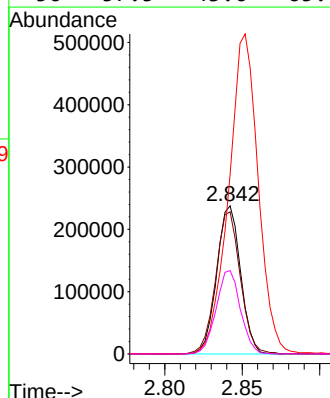
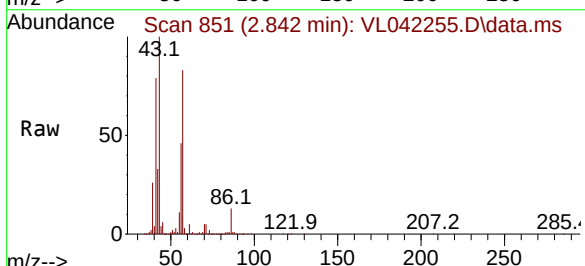
Ion Ratio Lower Upper

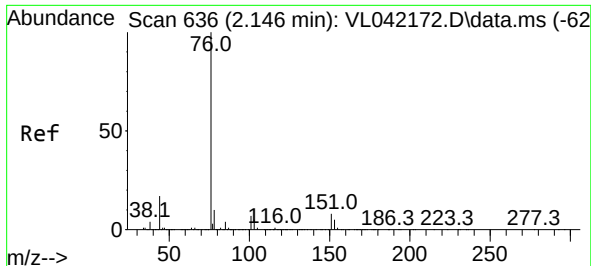
57 100

41 99.4 76.6 114.8

43 268.9 207.8 311.8

56 57.5 43.6 65.4

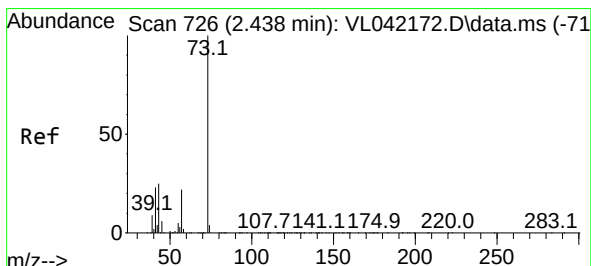
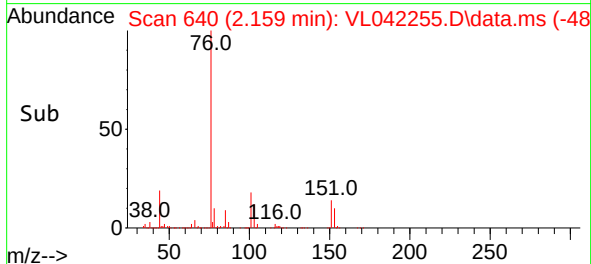
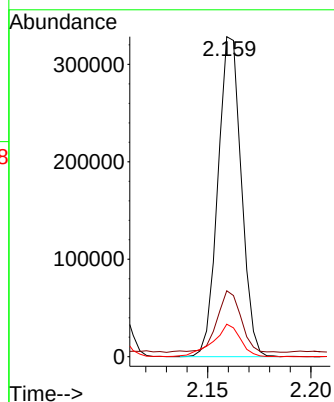
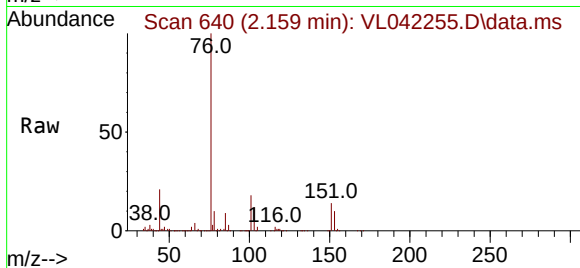




#27
Carbon Disulfide
Concen: 9.046 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

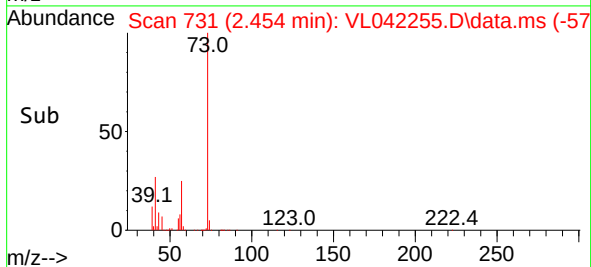
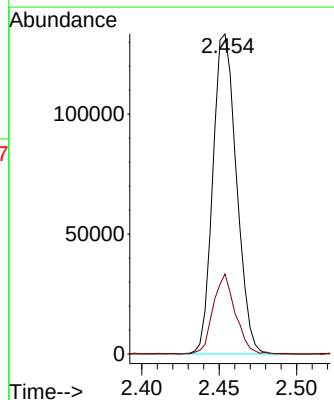
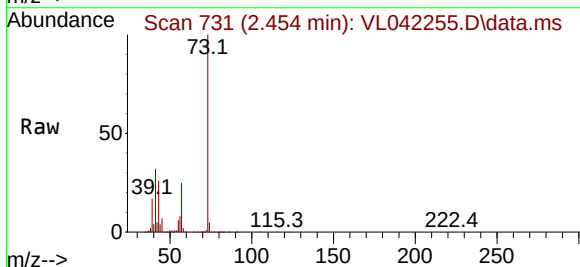
Instrument :
MSVOA_1
ClientSampleId :
VL0408ABS01

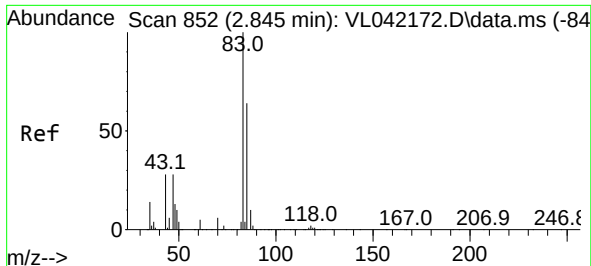
Tgt Ion: 76 Resp: 258972
Ion Ratio Lower Upper
76 100
44 19.1 14.7 22.1
78 11.7 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 8.506 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 73 Resp: 141395
Ion Ratio Lower Upper
73 100
57 23.8 20.5 30.7

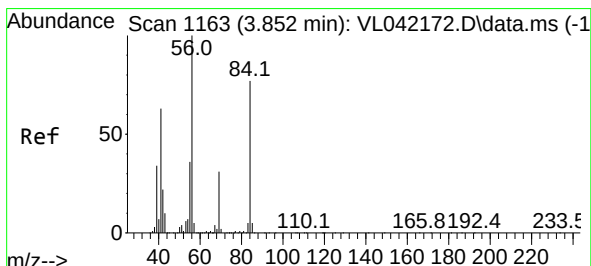
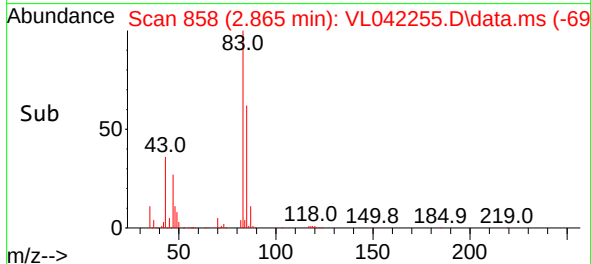
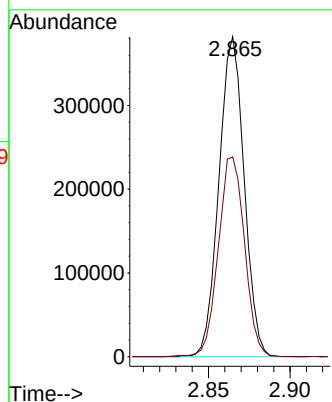
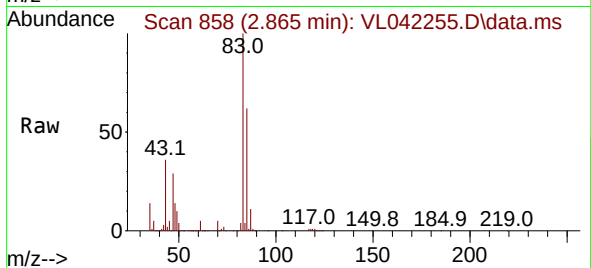




#29
Chloroform
Concen: 10.507 ppbv
RT: 2.865 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

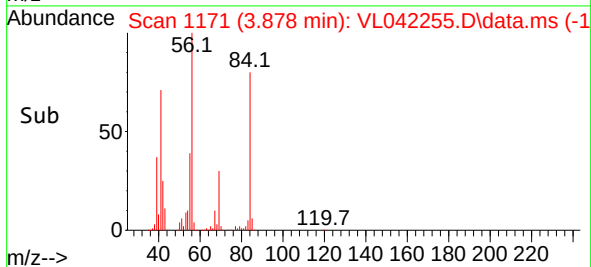
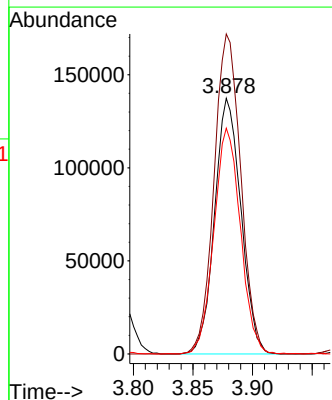
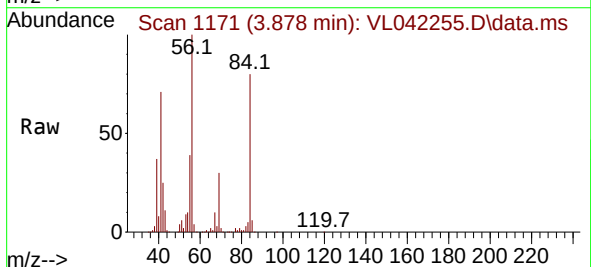
Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

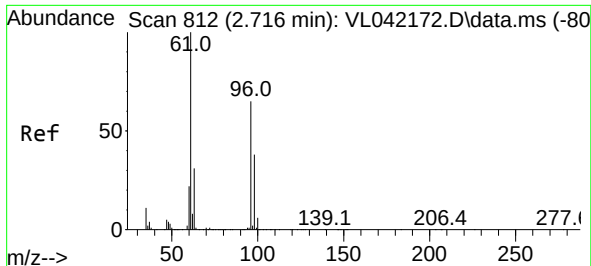
Tgt Ion: 83 Resp: 410522
Ion Ratio Lower Upper
83 100
85 62.4 51.4 77.2



#30
Cyclohexane
Concen: 9.112 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 84 Resp: 211231
Ion Ratio Lower Upper
84 100
56 126.6 102.8 154.2
41 88.8 66.5 99.7

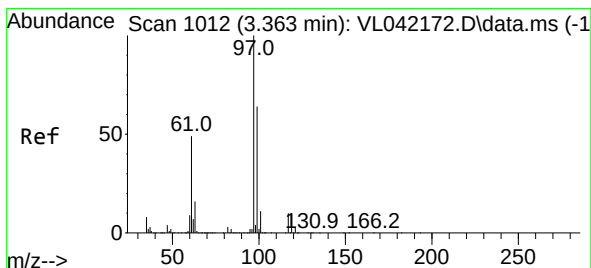
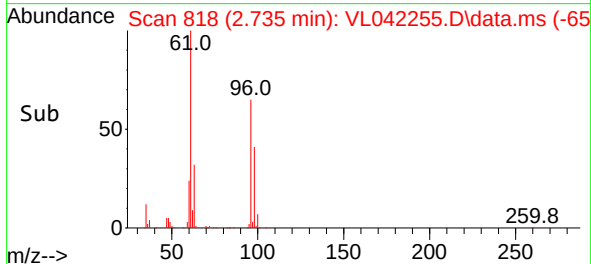
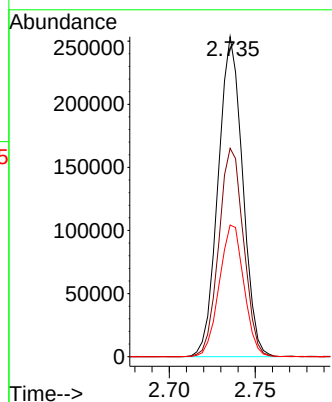
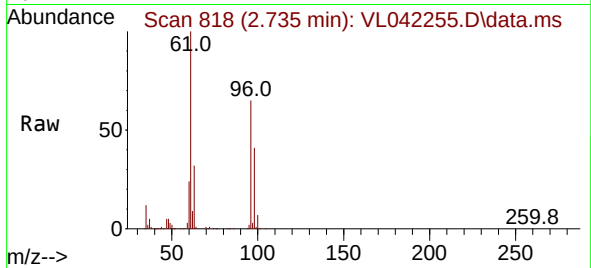




#31
 cis-1,2-Dichloroethene
 Concen: 9.268 ppbv
 RT: 2.735 min Scan# 812
 Delta R.T. 0.019 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

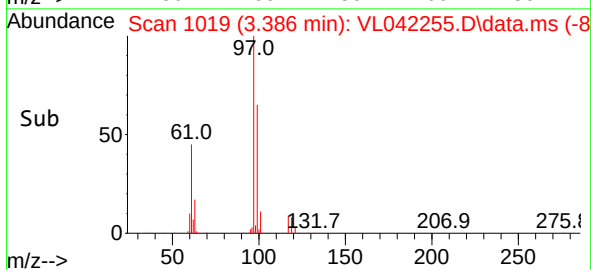
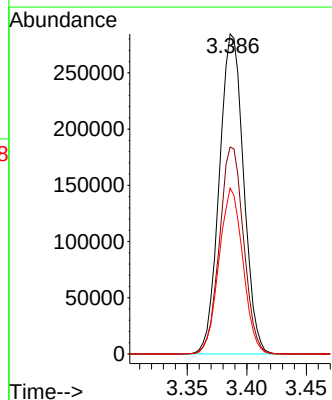
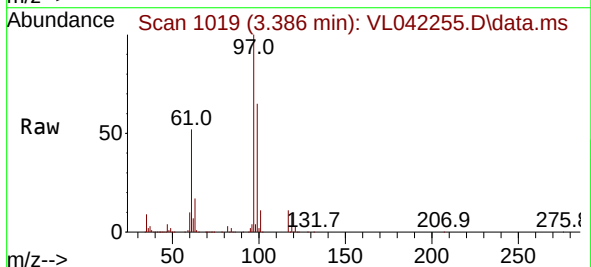
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0408ABS01

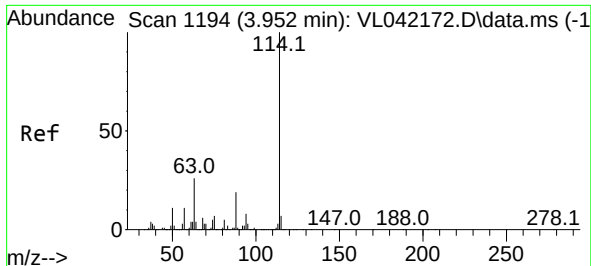
Tgt Ion: 61 Resp: 251202
 Ion Ratio Lower Upper
 61 100
 96 65.1 51.8 77.8
 98 41.2 30.6 46.0



#32
 1,1,1-Trichloroethane
 Concen: 8.998 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. 0.023 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

Tgt Ion: 97 Resp: 402513
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.5 77.3
 61 51.2 38.7 58.1

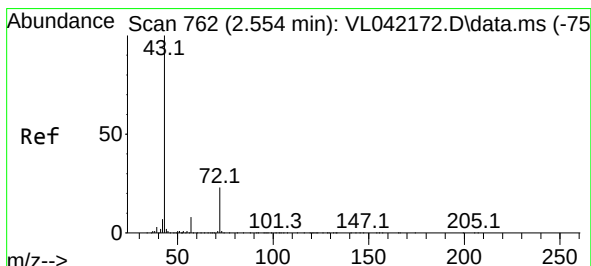
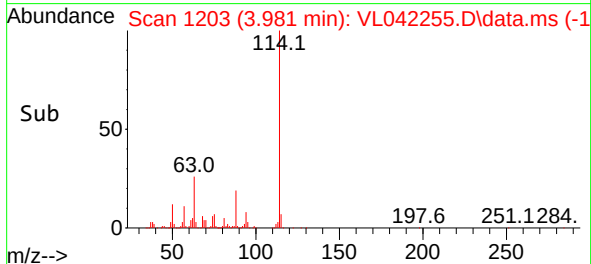
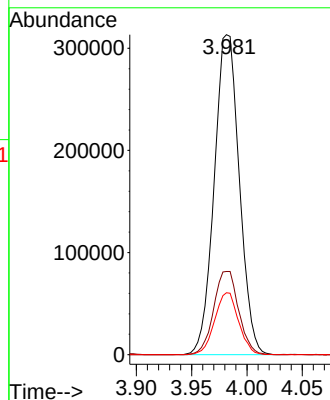
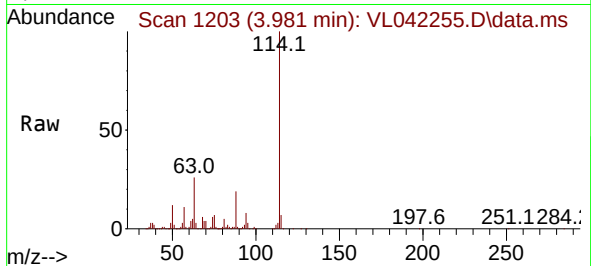




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1194
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

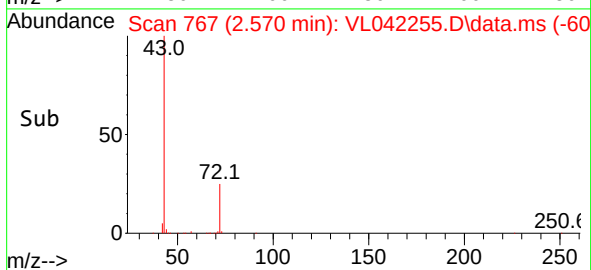
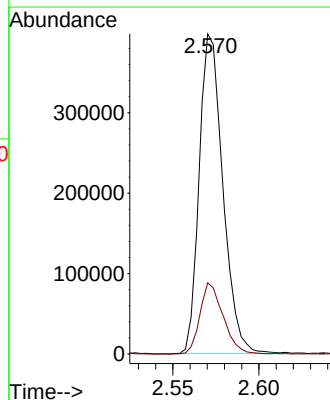
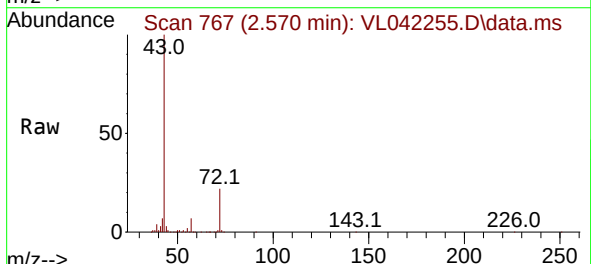
Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

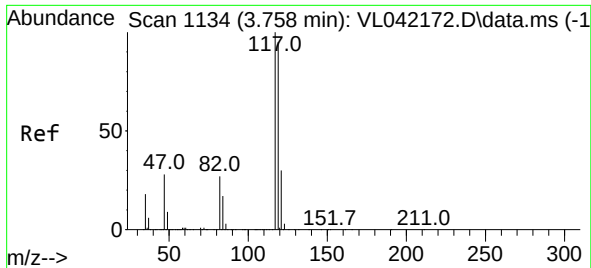
Tgt Ion:114 Resp: 494678
Ion Ratio Lower Upper
114 100
63 26.0 20.7 31.1
88 18.5 15.0 22.4



#34
2-Butanone
Concen: 10.575 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 43 Resp: 379327
Ion Ratio Lower Upper
43 100
72 21.8 18.2 27.2

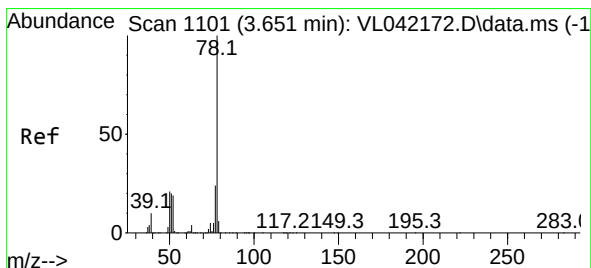
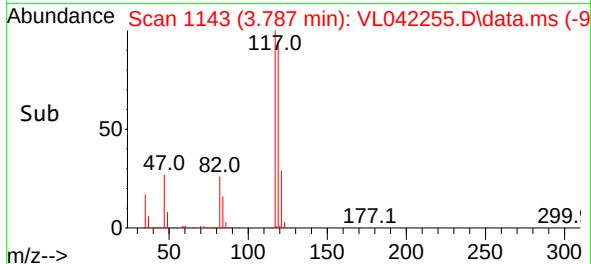
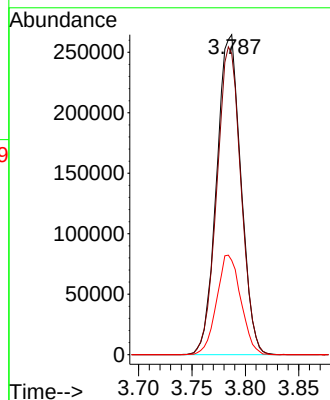
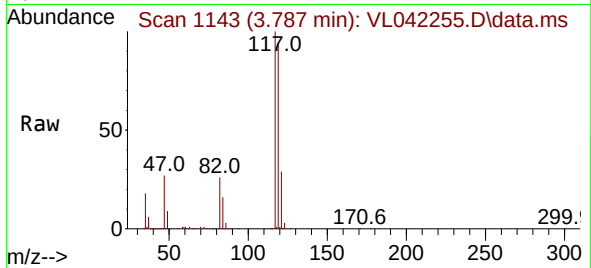




#35
Carbon Tetrachloride
Concen: 10.828 ppbv
RT: 3.787 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

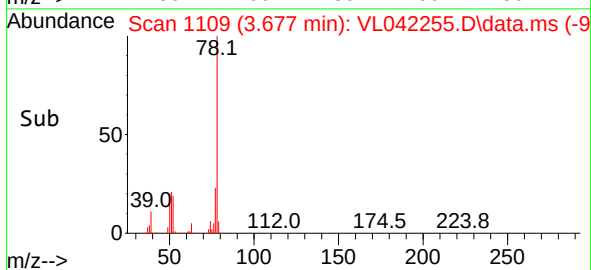
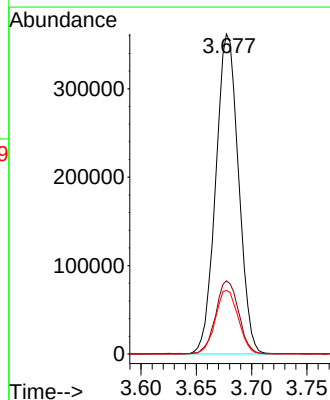
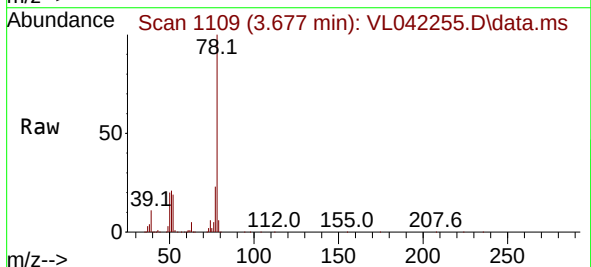
Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

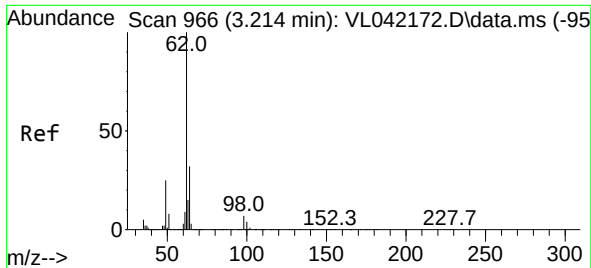
Tgt Ion:117 Resp: 418420
Ion Ratio Lower Upper
117 100
119 94.1 76.2 114.2
121 29.5 24.2 36.4



#36
Benzene
Concen: 10.564 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 78 Resp: 518095
Ion Ratio Lower Upper
78 100
77 22.8 19.1 28.7
50 19.9 16.6 24.8





#37

1,2-Dichloroethane

Concen: 11.226 ppbv

RT: 3.237 min Scan# 91

Delta R.T. 0.023 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

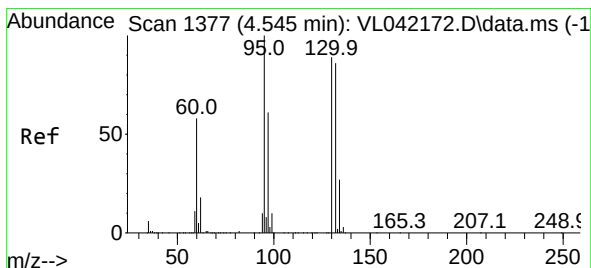
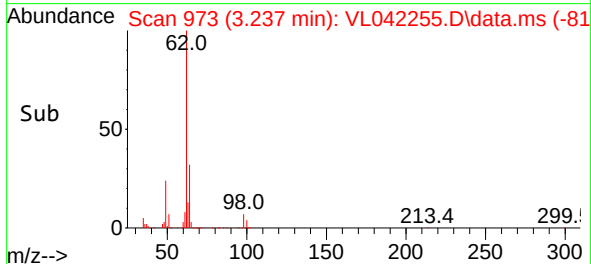
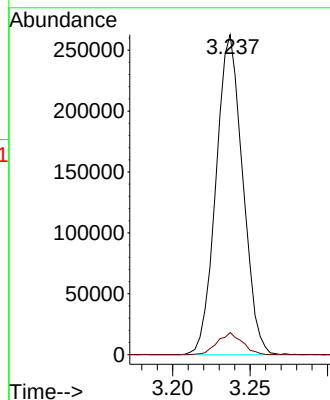
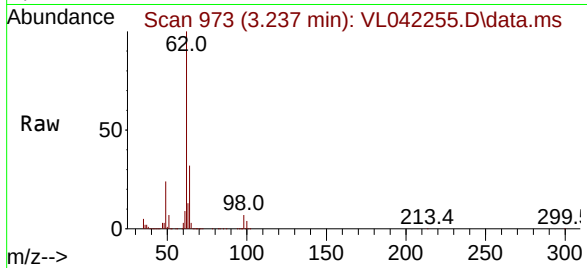
VL0408ABS01

Tgt Ion: 62 Resp: 315190

Ion Ratio Lower Upper

62 100

98 6.4 5.4 8.2



#38

Trichloroethene

Concen: 10.061 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.032 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Tgt Ion:130 Resp: 205867

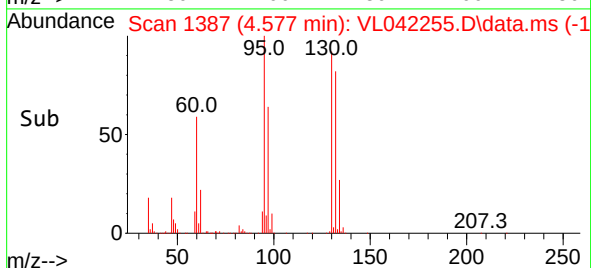
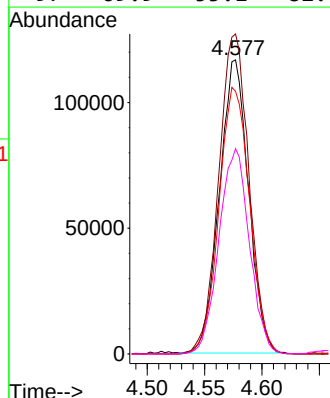
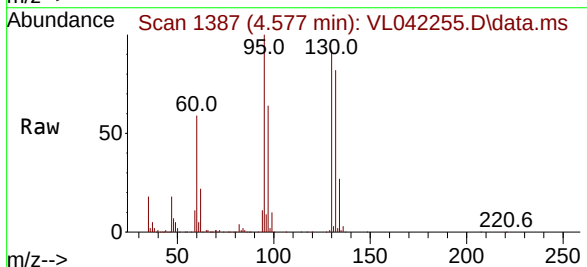
Ion Ratio Lower Upper

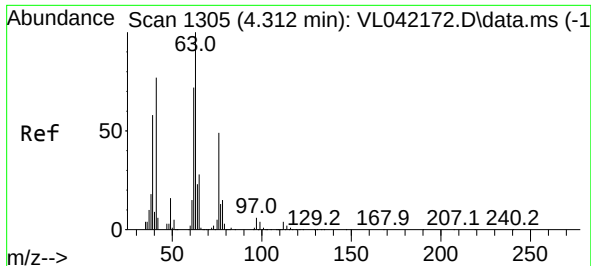
130 100

95 109.2 89.8 134.8

132 89.5 77.4 116.2

97 69.9 55.1 82.7





#39

1,2-Dichloropropane

Concen: 10.403 ppbv

RT: 4.341 min Scan# 1314

Delta R.T. 0.029 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

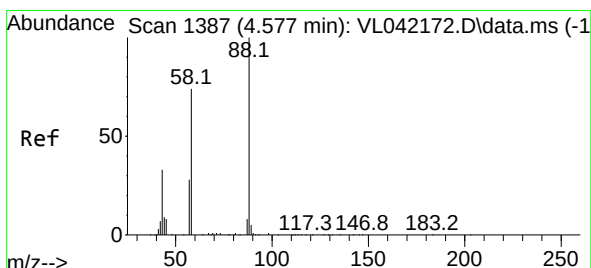
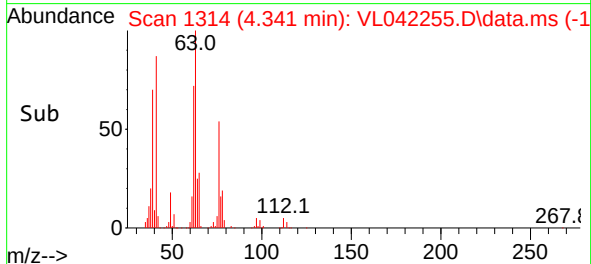
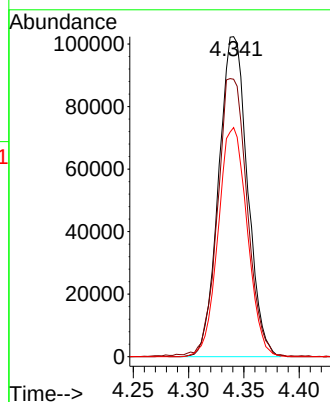
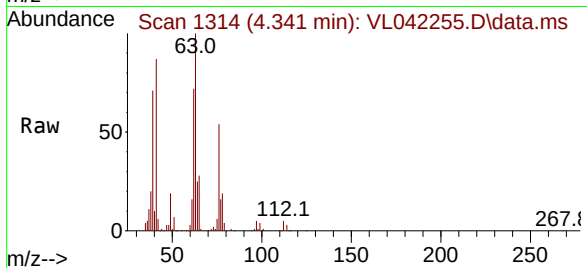
Tgt Ion: 63 Resp: 185795

Ion Ratio Lower Upper

63 100

41 86.0 61.7 92.5

62 71.6 57.6 86.4



#40

1,4-Dioxane

Concen: 9.608 ppbv

RT: 4.613 min Scan# 1398

Delta R.T. 0.036 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Tgt Ion: 88 Resp: 91079

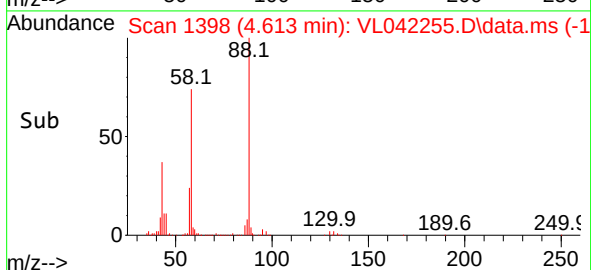
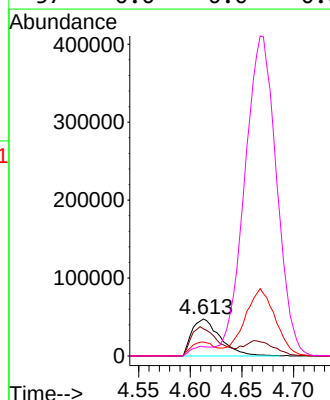
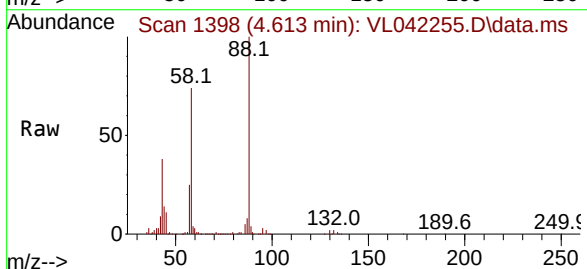
Ion Ratio Lower Upper

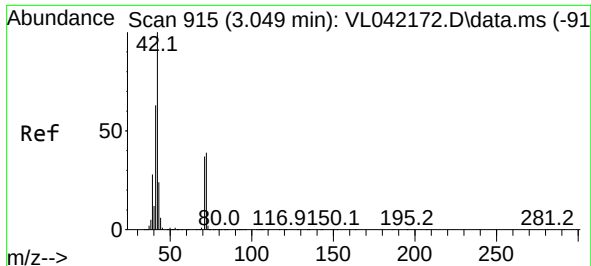
88 100

58 72.4 62.7 94.1

43 34.3 23.0 34.4

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.168 ppbv

RT: 3.072 min Scan# 91

Delta R.T. 0.023 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

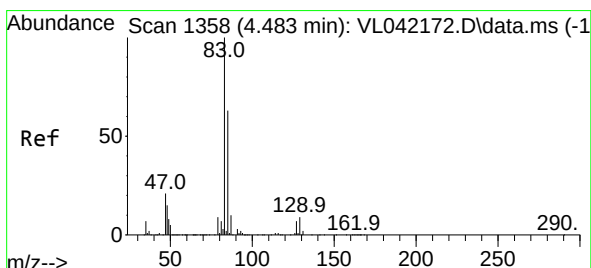
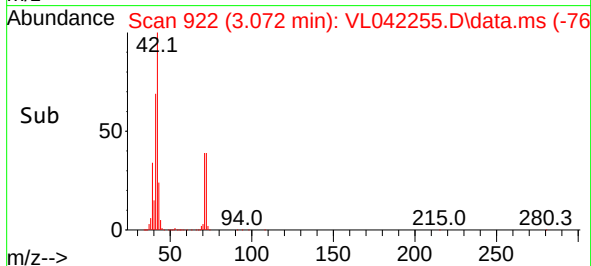
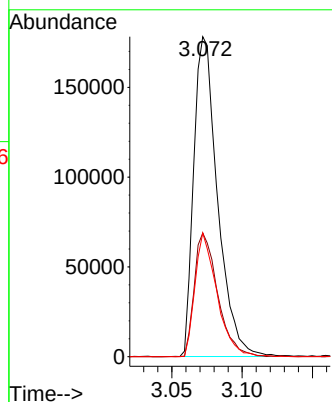
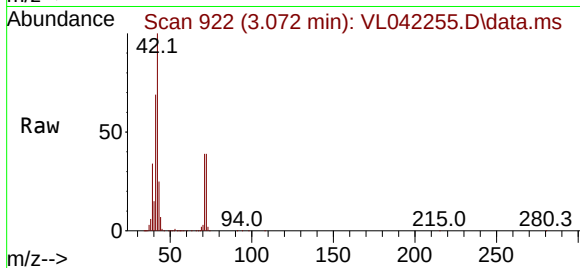
Tgt Ion: 42 Resp: 210024

Ion Ratio Lower Upper

42 100

72 38.1 31.4 47.0

71 35.8 30.2 45.4



#42

Bromodichloromethane

Concen: 11.217 ppbv

RT: 4.519 min Scan# 1369

Delta R.T. 0.036 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

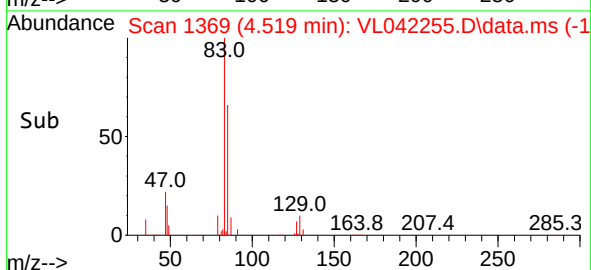
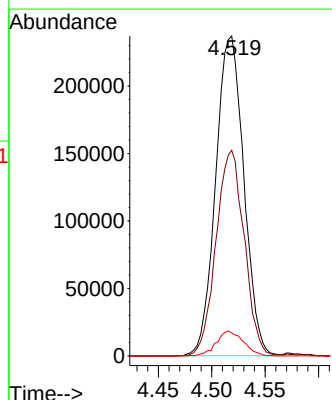
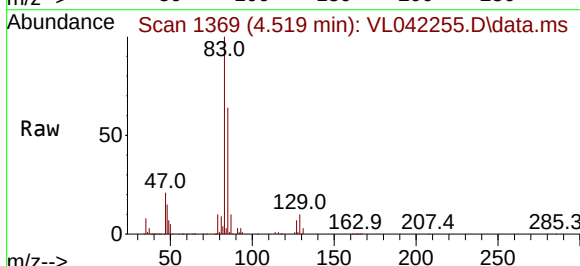
Tgt Ion: 83 Resp: 434165

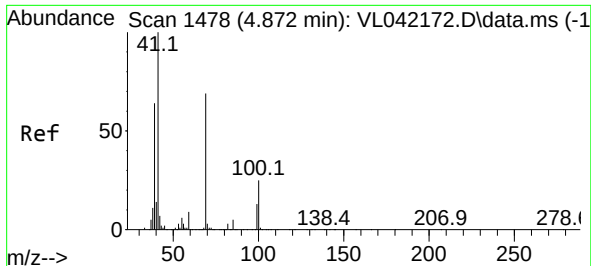
Ion Ratio Lower Upper

83 100

85 64.2 50.5 75.7

127 7.2 5.9 8.9

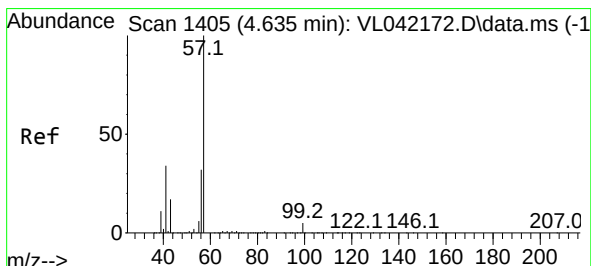
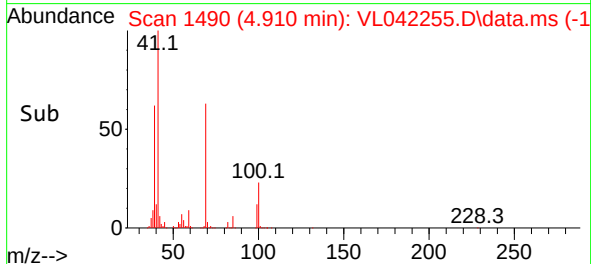
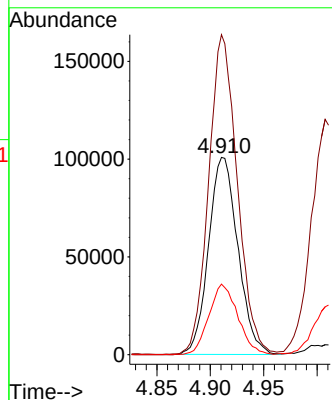
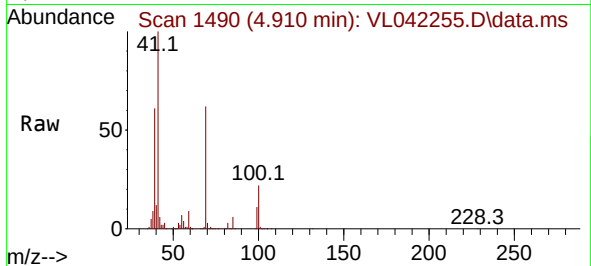




#43
Methyl Methacrylate
Concen: 9.277 ppbv
RT: 4.910 min Scan# 1415
Delta R.T. 0.039 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

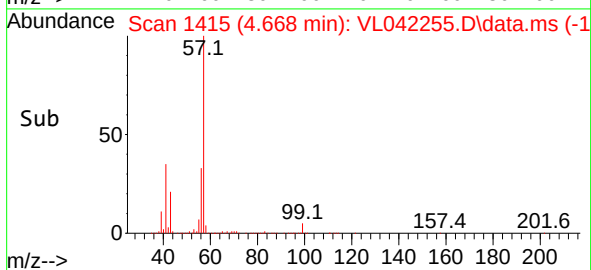
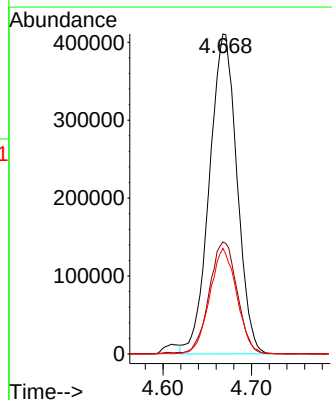
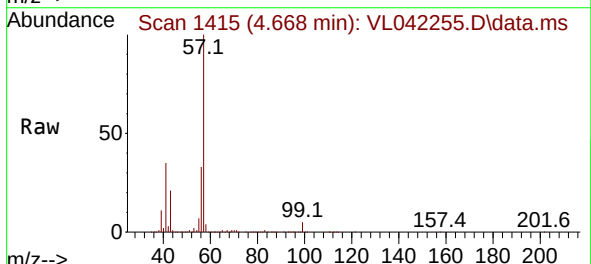
Instrument :
MSVOA_1
ClientSampleId :
VL0408ABS01

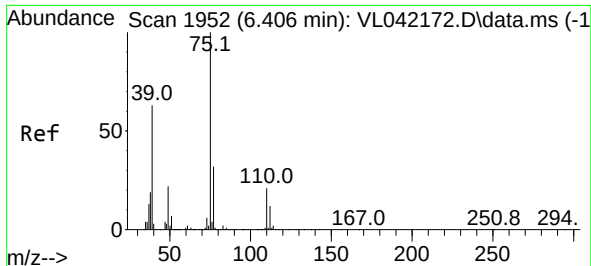
Tgt Ion: 69 Resp: 192595
Ion Ratio Lower Upper
69 100
41 157.9 123.8 185.6
100 35.4 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 10.701 ppbv
RT: 4.668 min Scan# 1415
Delta R.T. 0.032 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 57 Resp: 886873
Ion Ratio Lower Upper
57 100
41 35.8 26.8 40.2
56 32.5 25.6 38.4

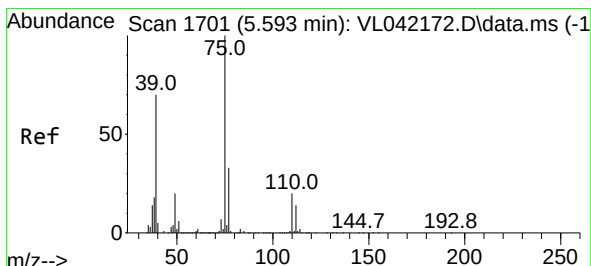
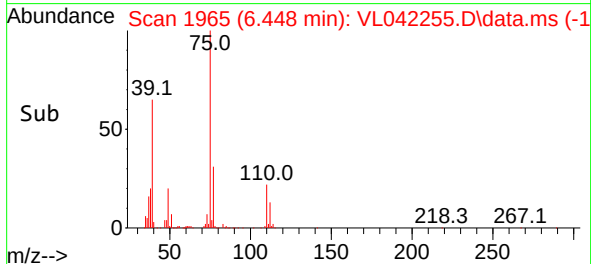
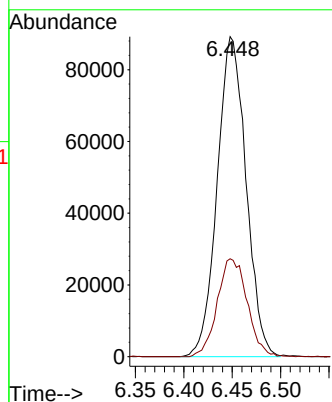
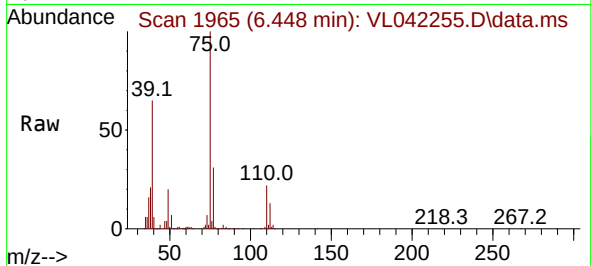




#45
 t-1,3-Dichloropropene
 Concen: 8.299 ppbv
 RT: 6.448 min Scan# 1965
 Delta R.T. 0.042 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

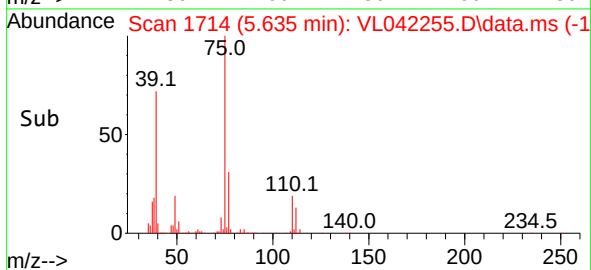
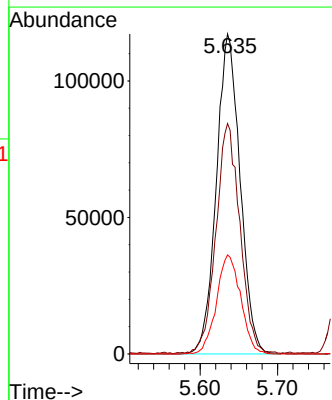
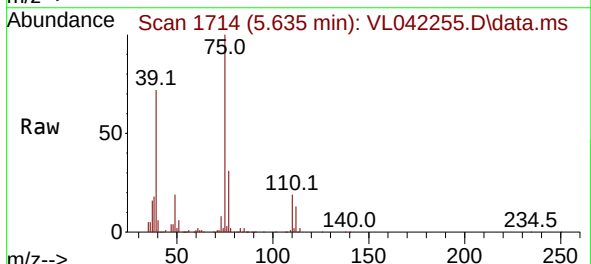
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0408ABS01

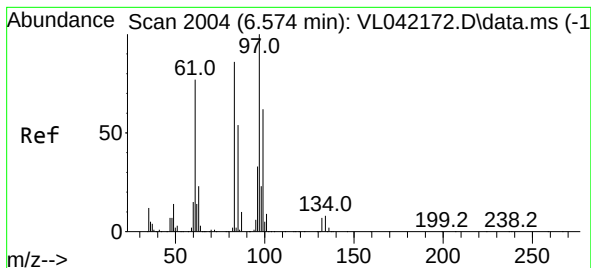
Tgt Ion: 75 Resp: 184852
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.0 39.0



#46
 cis-1,3-Dichloropropene
 Concen: 9.149 ppbv
 RT: 5.635 min Scan# 1714
 Delta R.T. 0.042 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

Tgt Ion: 75 Resp: 249791
 Ion Ratio Lower Upper
 75 100
 39 71.8 55.8 83.6
 77 31.0 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 11.166 ppbv

RT: 6.613 min Scan# 2004

Delta R.T. 0.039 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

Tgt Ion: 97 Resp: 210809

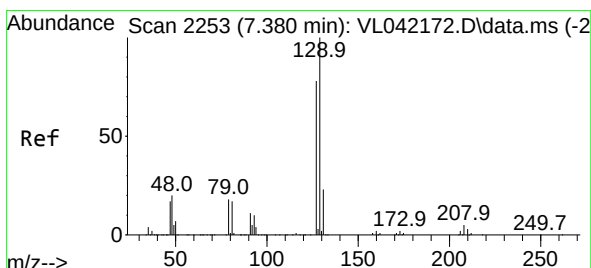
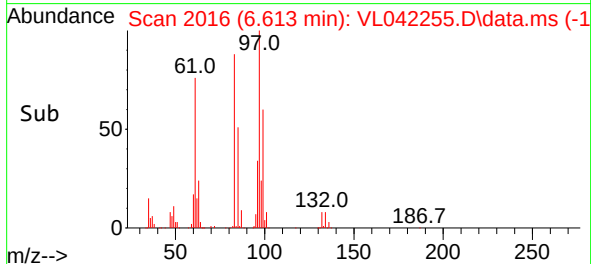
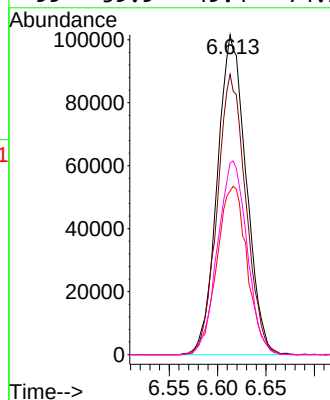
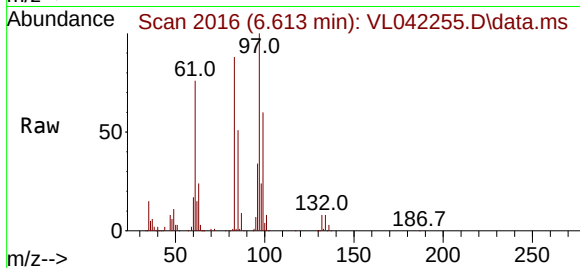
Ion Ratio Lower Upper

97 100

83 87.5 69.2 103.8

85 51.1 43.1 64.7

99 59.9 49.4 74.2



#48

Dibromochloromethane

Concen: 10.881 ppbv

RT: 7.412 min Scan# 2263

Delta R.T. 0.032 min

Lab File: VL042255.D

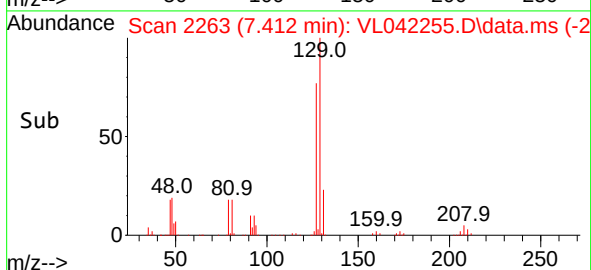
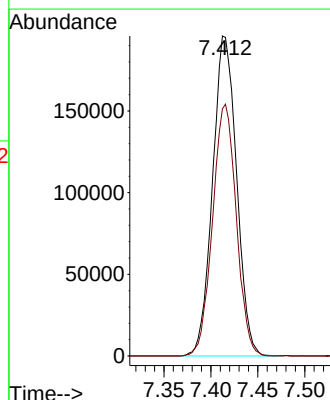
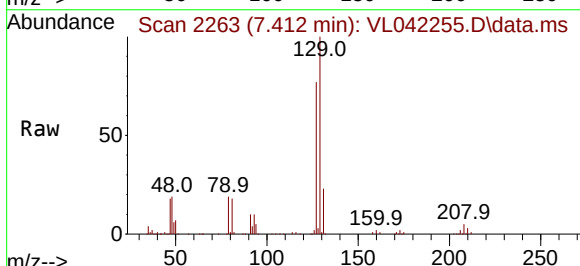
Acq: 08 Apr 2025 10:05

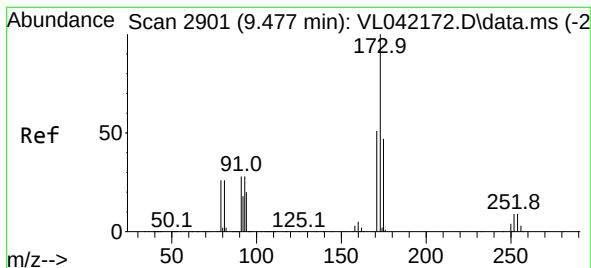
Tgt Ion: 129 Resp: 348149

Ion Ratio Lower Upper

129 100

127 77.6 39.1 117.2





#49

Bromoform

Concen: 10.703 ppbv

RT: 9.503 min Scan# 2909

Delta R.T. 0.026 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

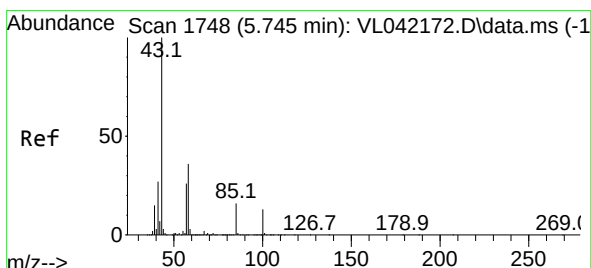
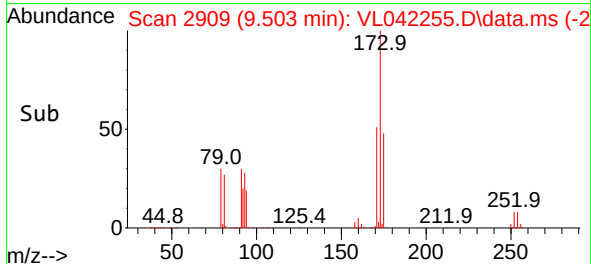
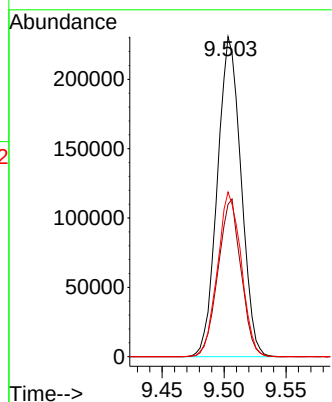
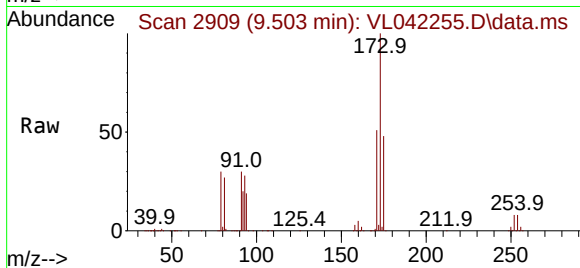
Tgt Ion:173 Resp: 307461

Ion Ratio Lower Upper

173 100

175 47.9 38.6 57.8

171 51.5 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 9.554 ppbv

RT: 5.787 min Scan# 1761

Delta R.T. 0.042 min

Lab File: VL042255.D

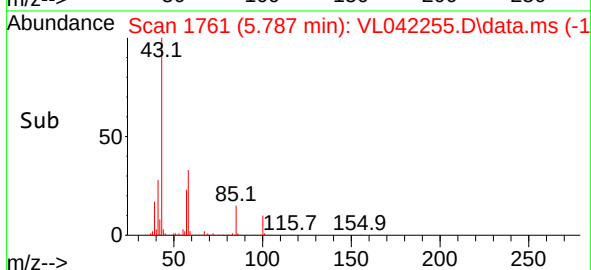
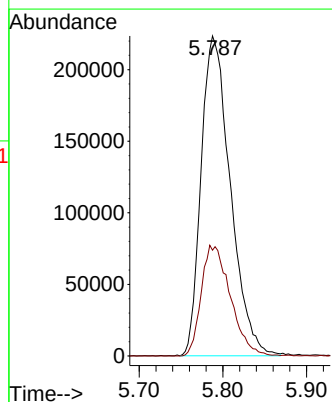
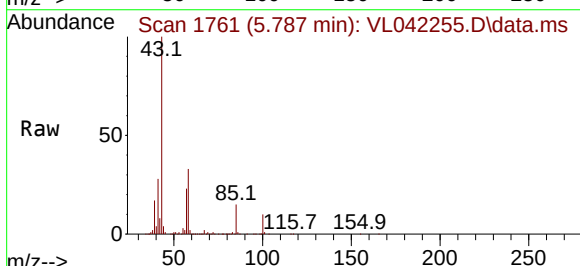
Acq: 08 Apr 2025 10:05

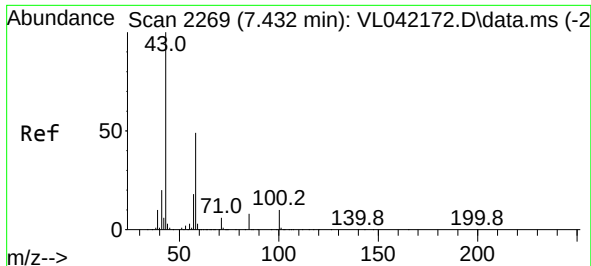
Tgt Ion: 43 Resp: 543140

Ion Ratio Lower Upper

43 100

58 34.5 29.0 43.6

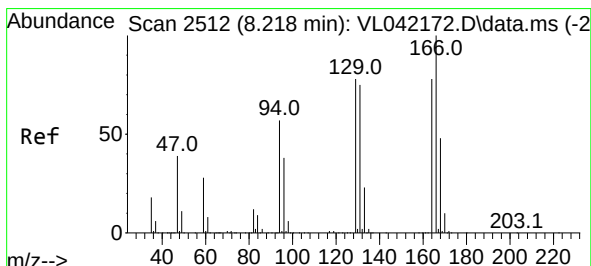
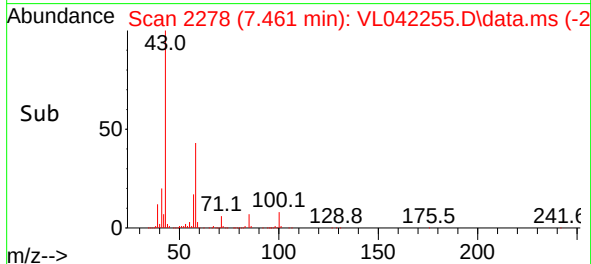
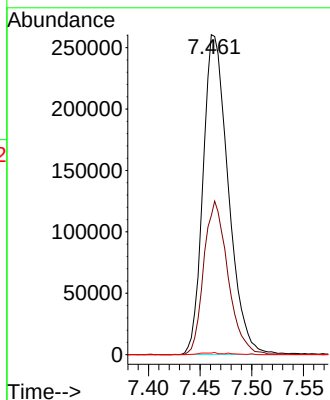
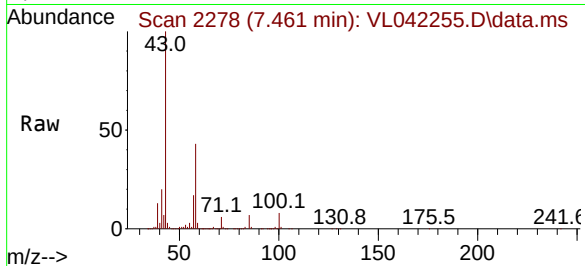




#51
2-Hexanone
Concen: 9.463 ppbv
RT: 7.461 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

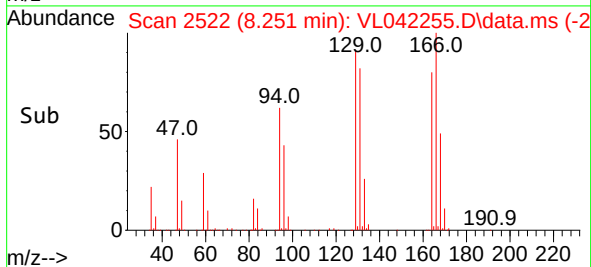
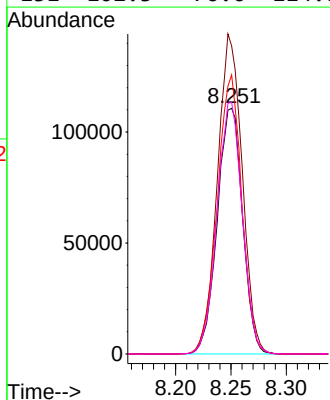
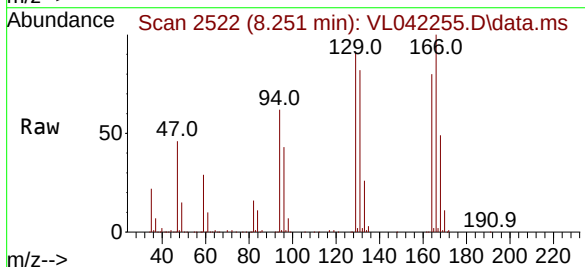
Instrument :
MSVOA_1
ClientSampleId :
VL0408ABS01

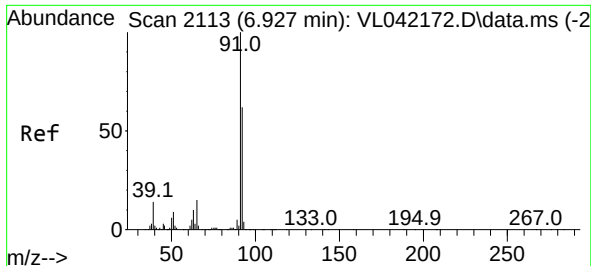
Tgt Ion: 43 Resp: 441742
Ion Ratio Lower Upper
43 100
58 46.3 39.7 59.5
98 0.7 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.028 ppbv
RT: 8.251 min Scan# 2522
Delta R.T. 0.032 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 164 Resp: 175587
Ion Ratio Lower Upper
164 100
166 125.3 102.5 153.7
129 113.6 79.8 119.8
131 102.3 76.6 114.8

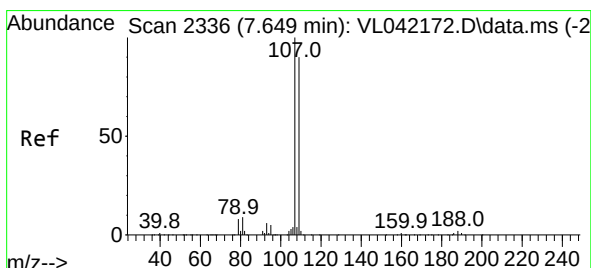
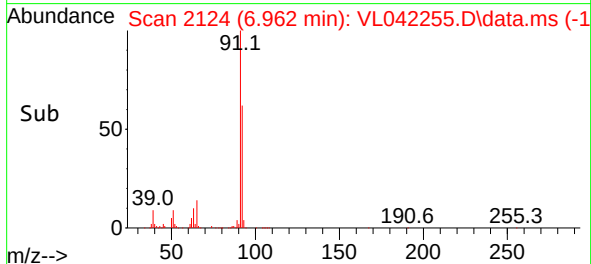
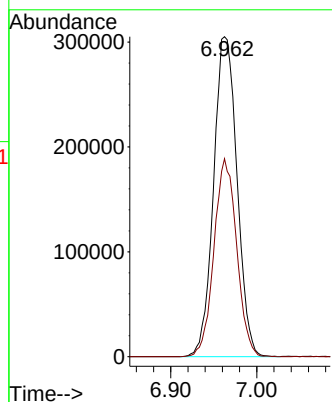
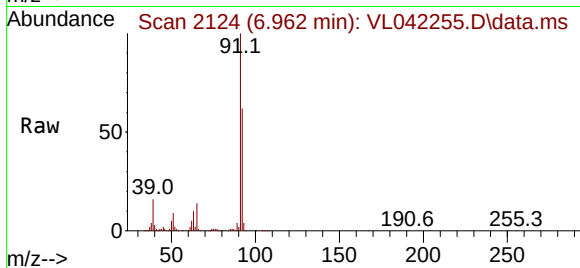




#53
Toluene
Concen: 9.947 ppbv
RT: 6.962 min Scan# 2113
Delta R.T. 0.036 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

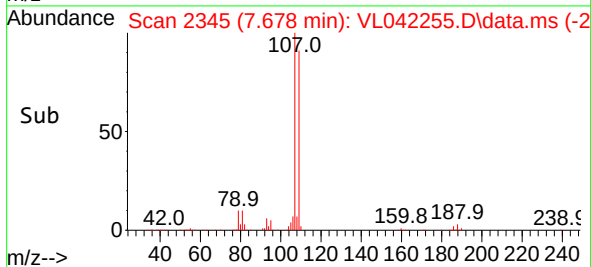
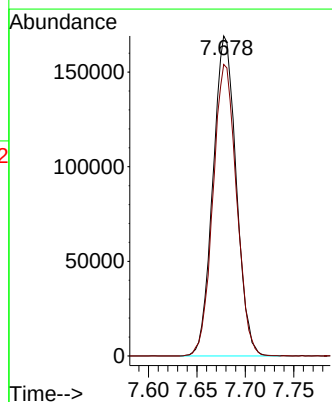
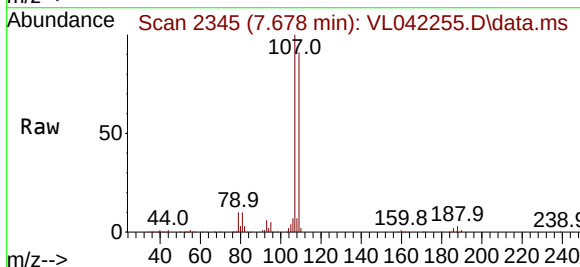
Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

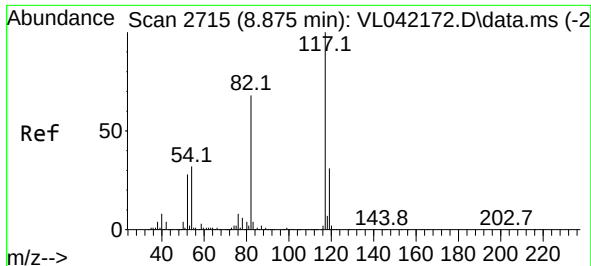
Tgt Ion: 91 Resp: 578261
Ion Ratio Lower Upper
91 100
92 59.8 48.4 72.6



#54
1,2-Dibromoethane
Concen: 10.730 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 107 Resp: 282386
Ion Ratio Lower Upper
107 100
109 91.1 72.2 108.4

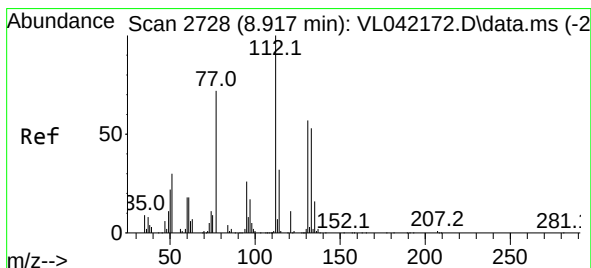
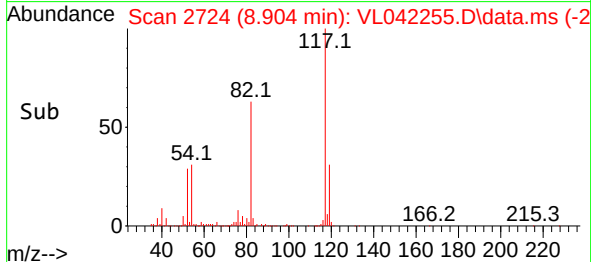
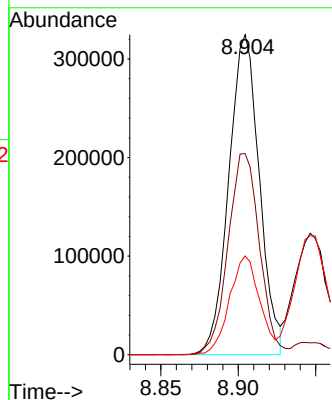
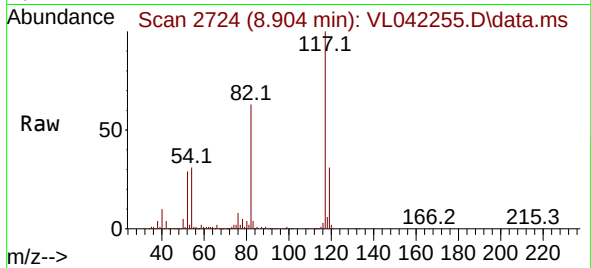




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

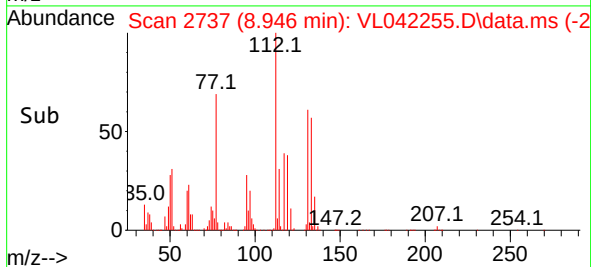
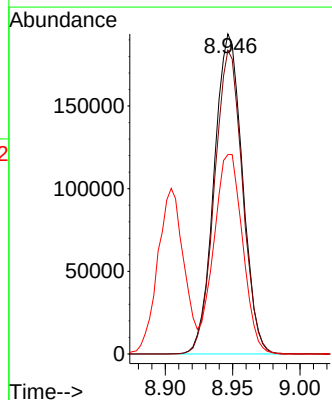
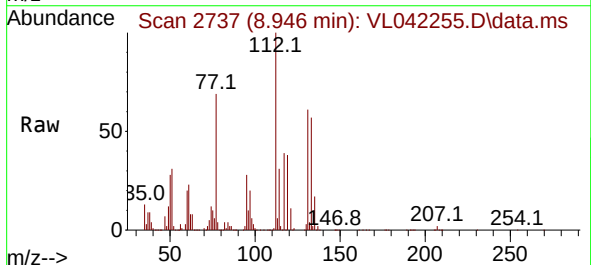
Instrument :
MSVOA_1
ClientSampleId :
VL0408ABS01

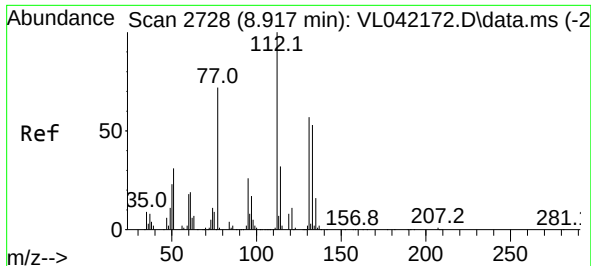
Tgt Ion:117 Resp: 447066
Ion Ratio Lower Upper
117 100
82 68.7 55.8 83.6
119 30.4 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 11.503 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:131 Resp: 283080
Ion Ratio Lower Upper
131 100
133 93.9 76.6 114.8
119 64.5 49.8 74.6

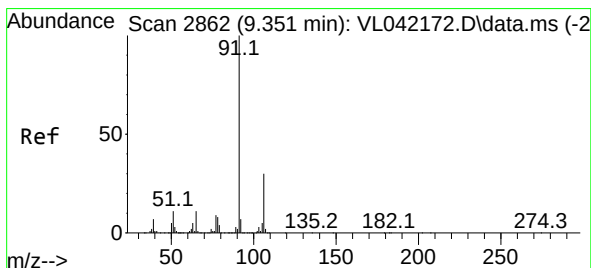
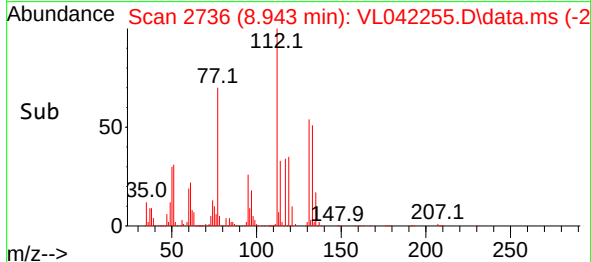
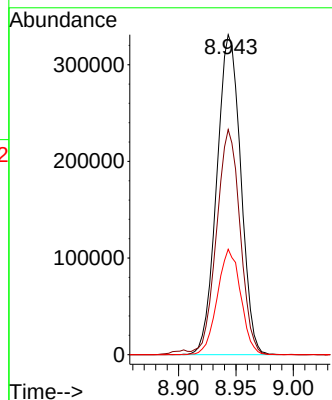
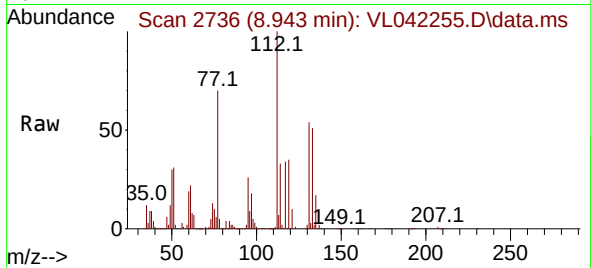




#57
Chlorobenzene
Concen: 11.360 ppbv
RT: 8.943 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

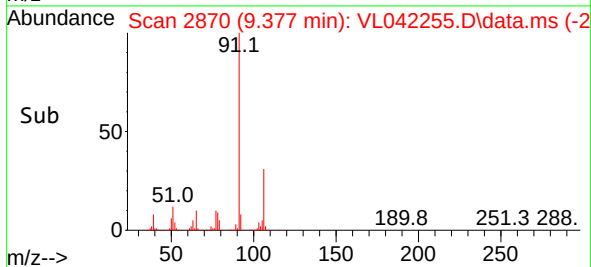
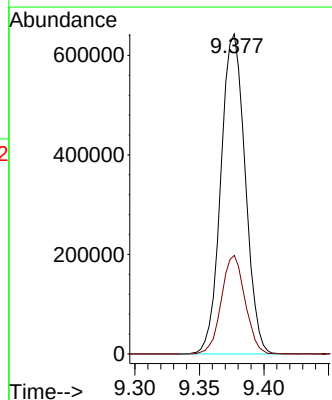
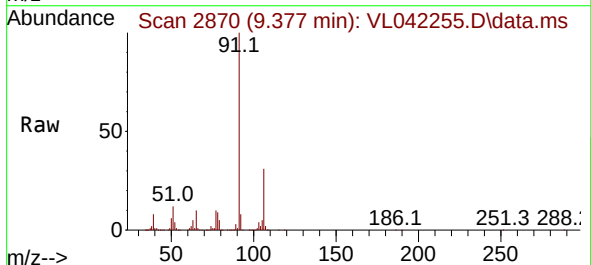
Instrument :
MSVOA_1
ClientSampleId :
VL0408ABS01

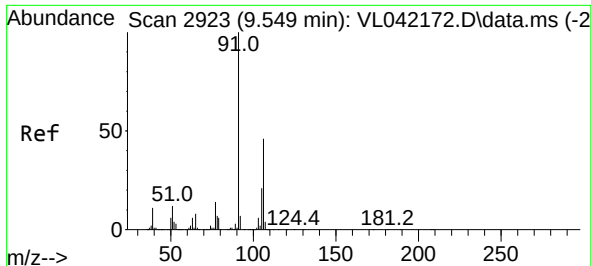
Tgt Ion:112 Resp: 481713
Ion Ratio Lower Upper
112 100
77 70.3 58.2 87.2
114 32.9 29.1 35.5



#58
Ethyl Benzene
Concen: 10.593 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 841166
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.2





#59

m/p-Xylene

Concen: 10.962 ppbv

RT: 9.571 min Scan# 29

Delta R.T. 0.023 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

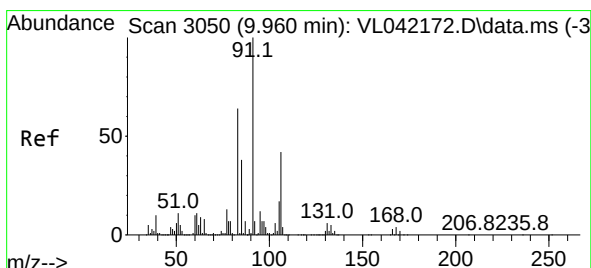
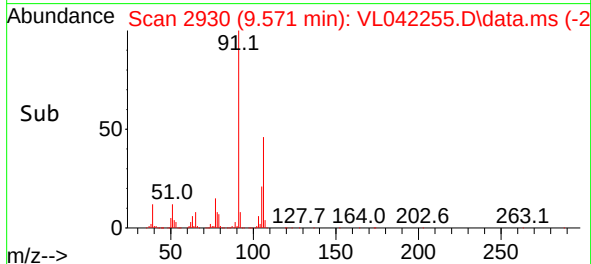
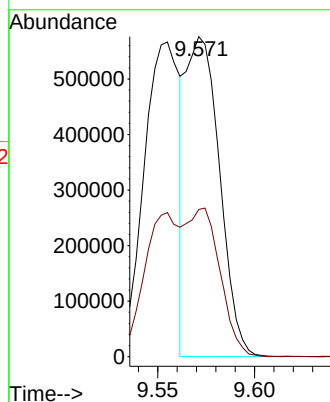
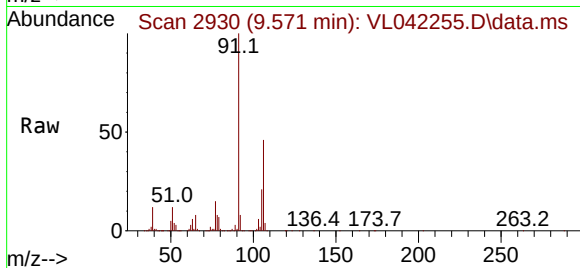
VL0408ABS01

Tgt Ion: 91 Resp: 695111

Ion Ratio Lower Upper

91 100

106 94.5 36.4 54.6#



#60

o-Xylene

Concen: 11.194 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. 0.023 min

Lab File: VL042255.D

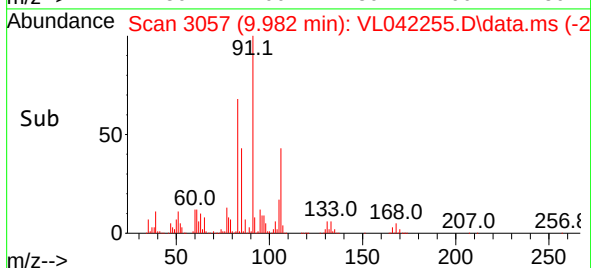
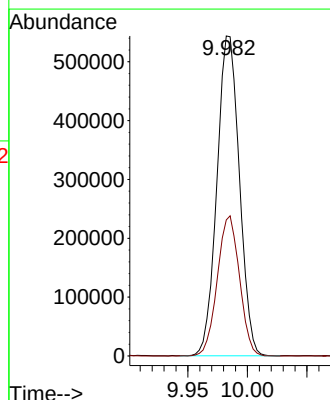
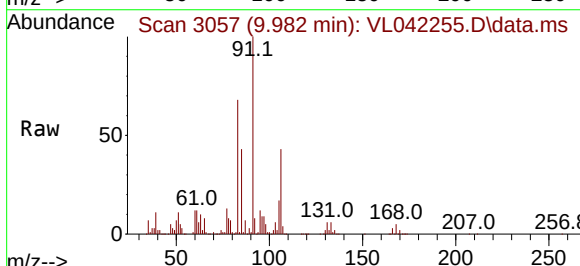
Acq: 08 Apr 2025 10:05

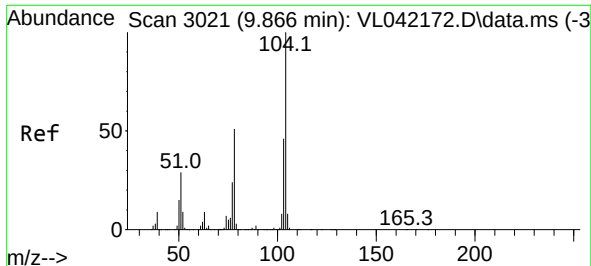
Tgt Ion: 91 Resp: 711568

Ion Ratio Lower Upper

91 100

106 43.2 20.8 62.5

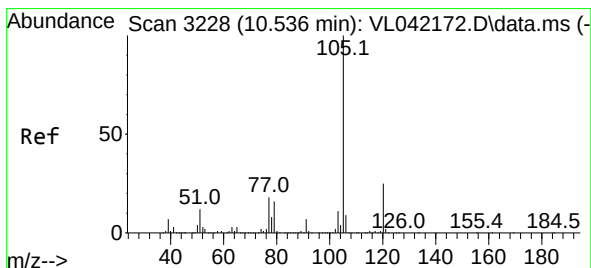
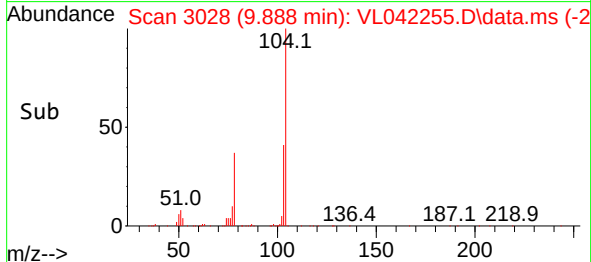
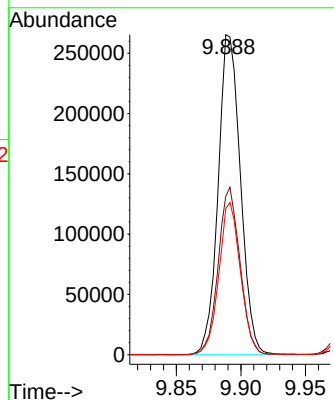
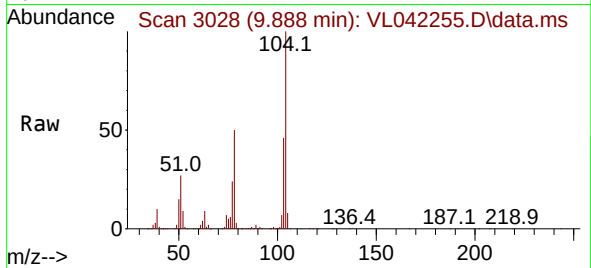




#61
Styrene
Concen: 10.149 ppbv
RT: 9.888 min Scan# 3028
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

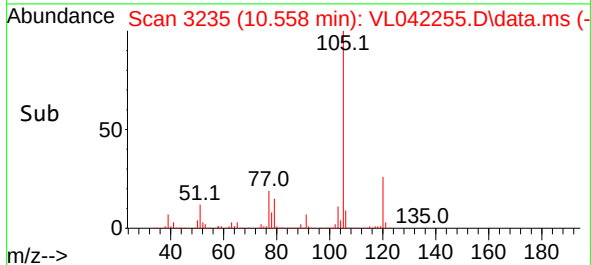
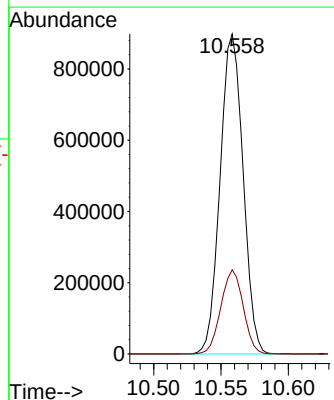
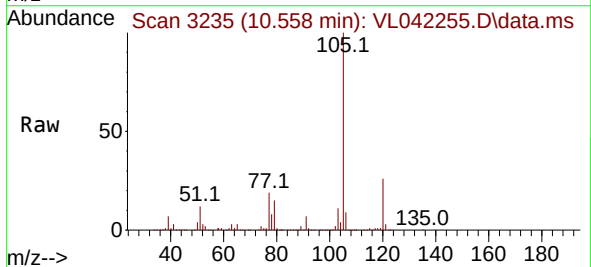
Instrument :
MSVOA_1
ClientSampleId :
VL0408ABS01

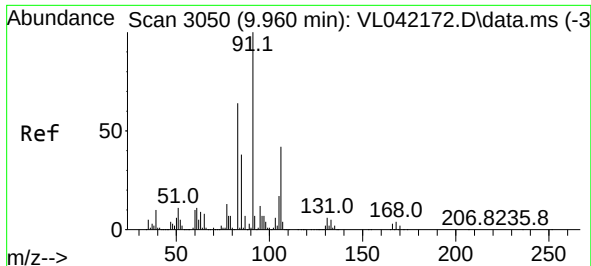
Tgt Ion:104 Resp: 319155
Ion Ratio Lower Upper
104 100
78 51.1 41.8 62.6
103 46.2 37.0 55.4



#62
Isopropylbenzene
Concen: 11.193 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:105 Resp: 1063992
Ion Ratio Lower Upper
105 100
120 25.5 19.9 29.9

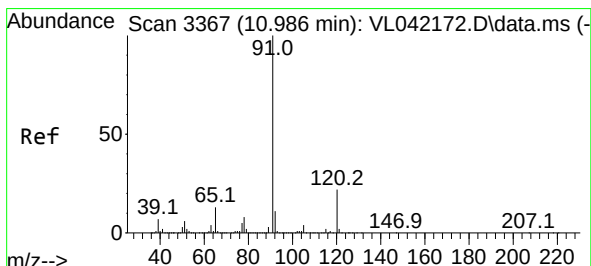
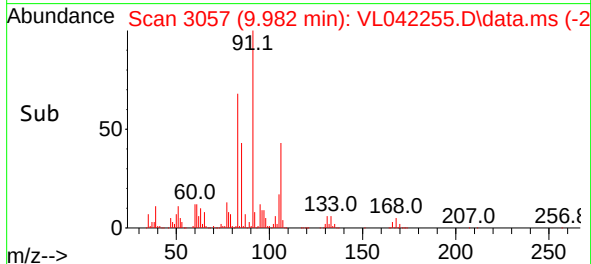
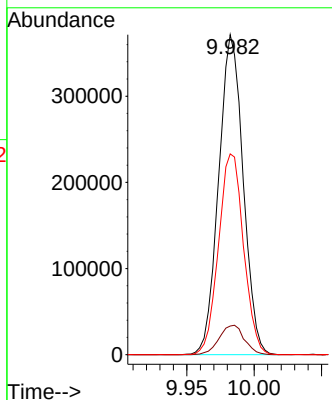
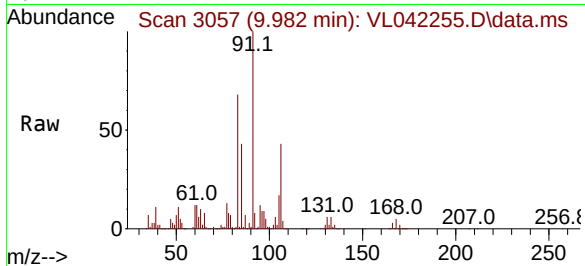




#63
1,1,2,2-Tetrachloroethane
Concen: 12.139 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

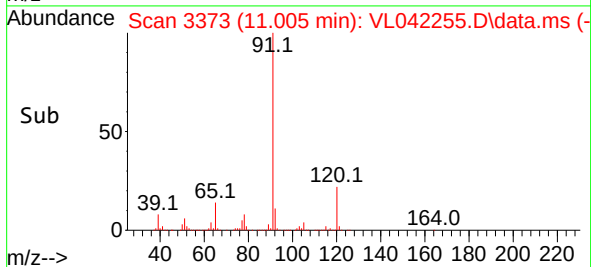
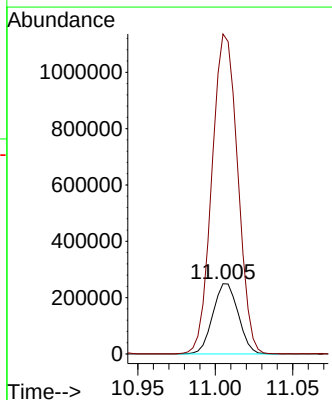
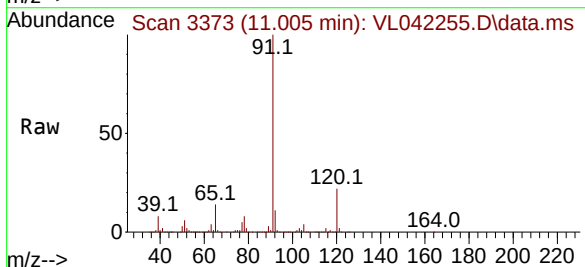
Instrument :
MSVOA_1
ClientSampleId :
VL0408ABS01

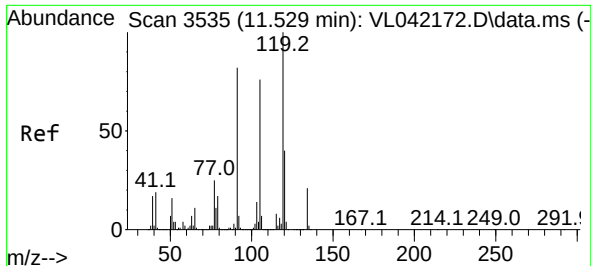
Tgt Ion: 83 Resp: 468851
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.4
85 64.2 32.5 97.5



#64
n-propylbenzene
Concen: 11.638 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 120 Resp: 284790
Ion Ratio Lower Upper
120 100
91 462.1 376.9 565.3

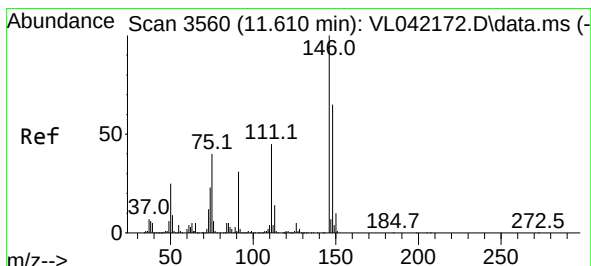
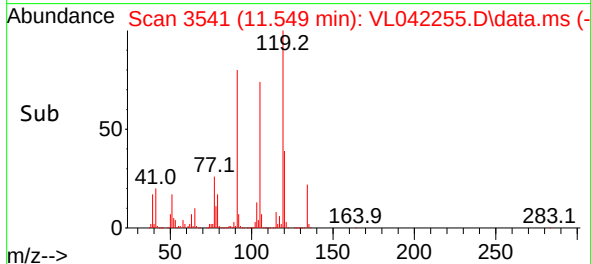
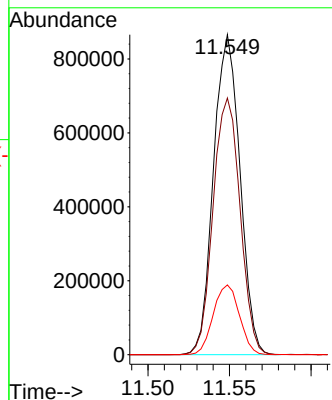
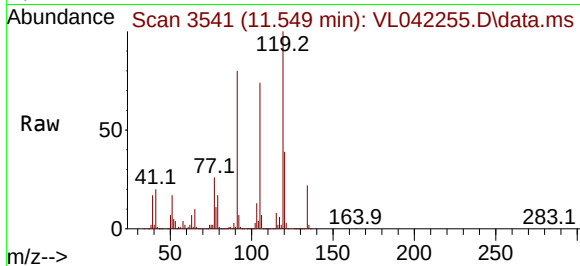




#65
tert-Butylbenzene
Concen: 11.112 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

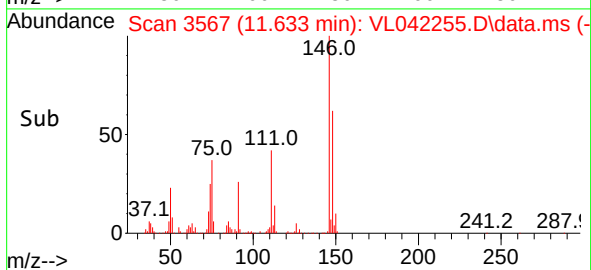
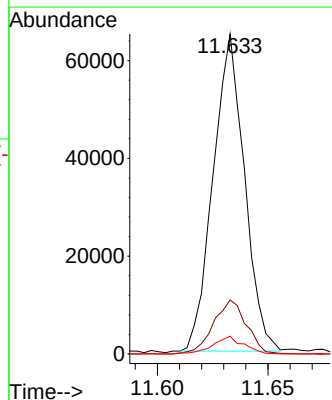
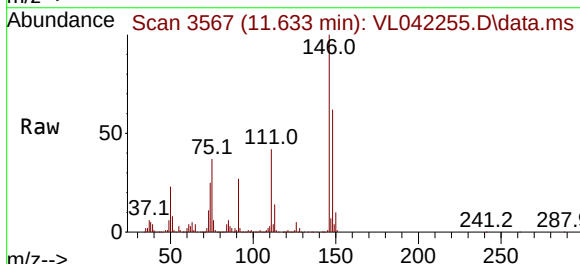
Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

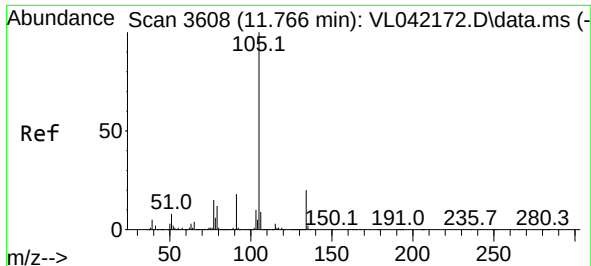
Tgt Ion:119 Resp: 976872
Ion Ratio Lower Upper
119 100
91 81.9 66.0 99.0
134 21.5 16.7 25.1



#66
Benzyl Chloride
Concen: 6.860 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 63988
Ion Ratio Lower Upper
91 100
126 17.9 13.8 20.6
128 5.5 4.5 6.7

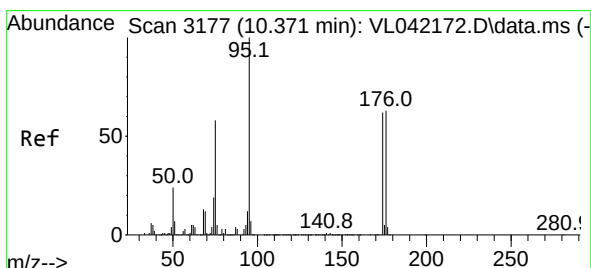
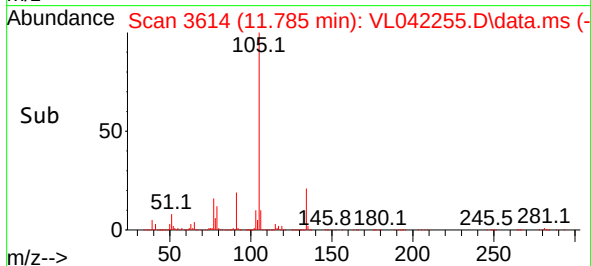
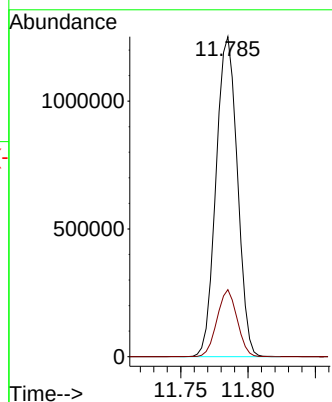
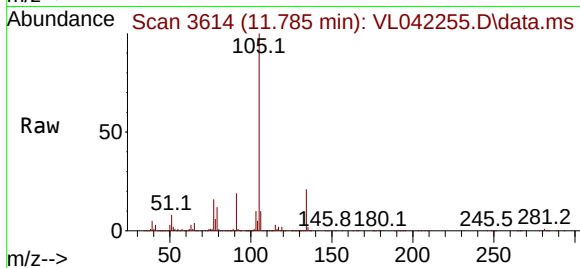




#67
 sec-Butylbenzene
 Concen: 11.275 ppbv
 RT: 11.785 min Scan# 3184
 Delta R.T. 0.019 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

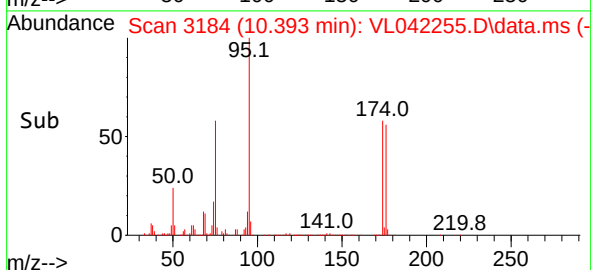
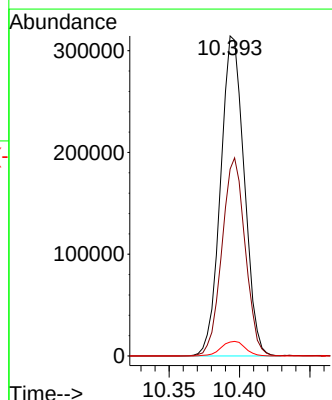
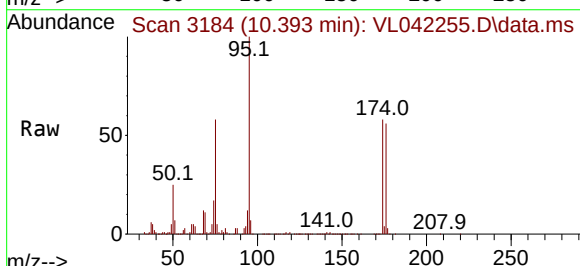
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0408ABS01

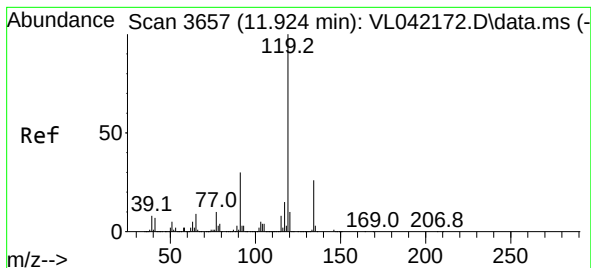
Tgt Ion:105 Resp: 1377726
 Ion Ratio Lower Upper
 105 100
 134 19.8 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.008 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.023 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

Tgt Ion: 95 Resp: 367418
 Ion Ratio Lower Upper
 95 100
 174 61.1 50.6 76.0
 175 4.7 3.8 5.6

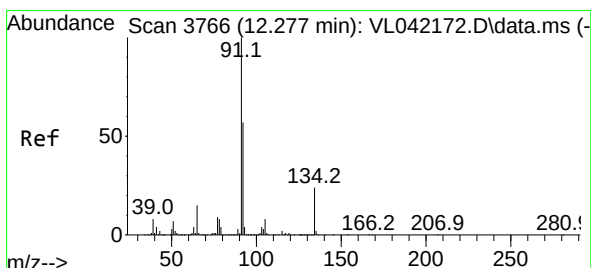
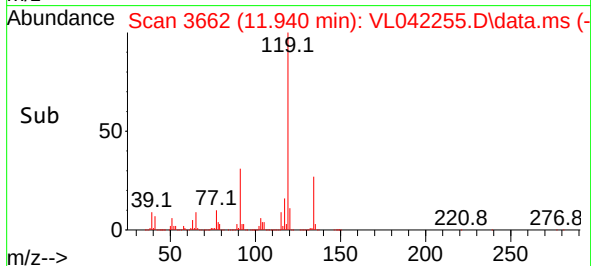
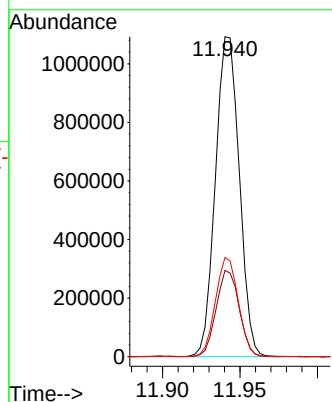
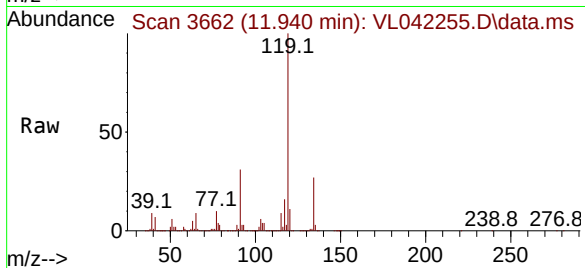




#69
 p-Isopropyltoluene
 Concen: 11.104 ppbv
 RT: 11.940 min Scan# 3662
 Delta R.T. 0.016 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

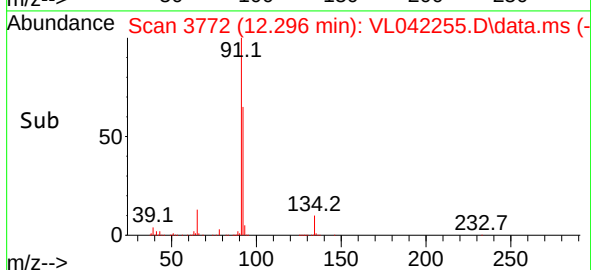
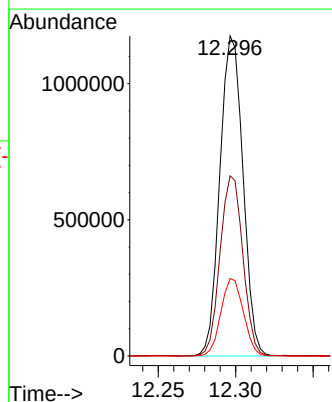
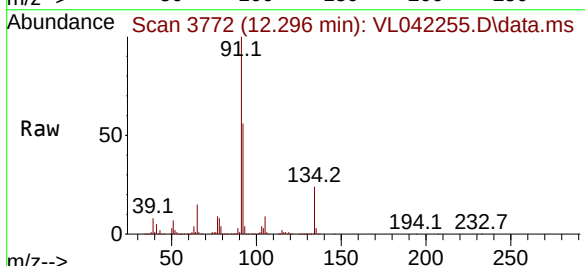
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABS01

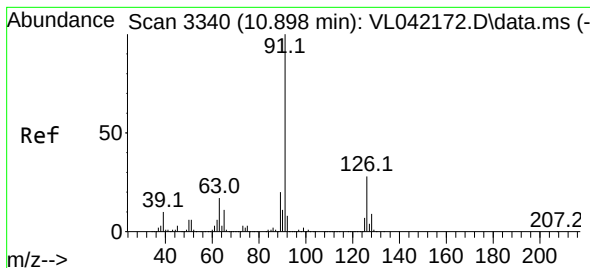
Tgt Ion:119 Resp: 1168405
 Ion Ratio Lower Upper
 119 100
 134 26.2 20.4 30.6
 91 29.9 23.7 35.5



#70
 n-Butylbenzene
 Concen: 11.312 ppbv
 RT: 12.296 min Scan# 3772
 Delta R.T. 0.019 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 1217247
 Ion Ratio Lower Upper
 91 100
 92 55.7 44.9 67.3
 134 23.6 19.2 28.8





#71

2-Chlorotoluene

Concen: 11.078 ppbv

RT: 10.918 min Scan# 31

Delta R.T. 0.019 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

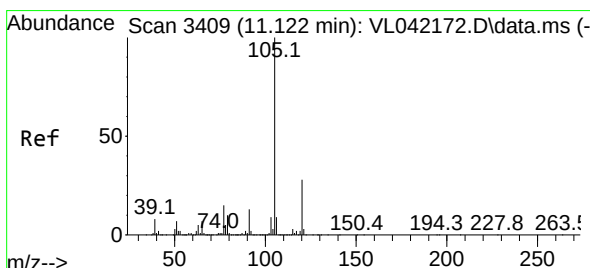
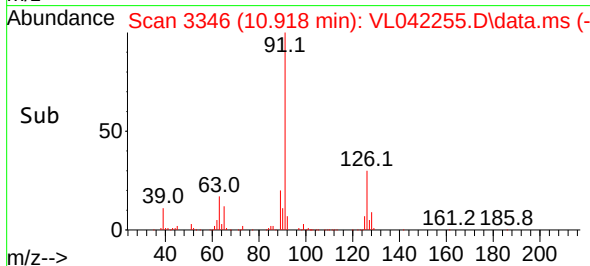
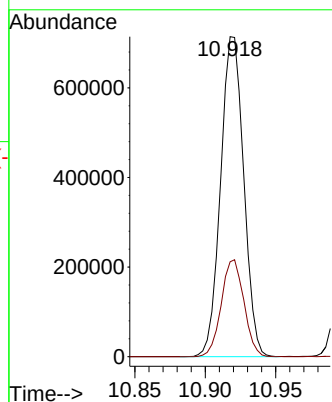
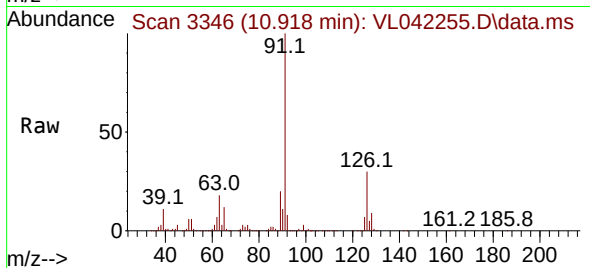
VL0408ABS01

Tgt Ion: 91 Resp: 817332

Ion Ratio Lower Upper

91 100

126 29.6 11.6 46.4



#72

4-Ethyltoluene

Concen: 11.460 ppbv

RT: 11.141 min Scan# 3415

Delta R.T. 0.019 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Tgt Ion: 105 Resp: 906994

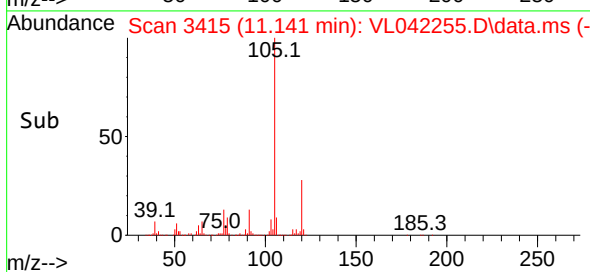
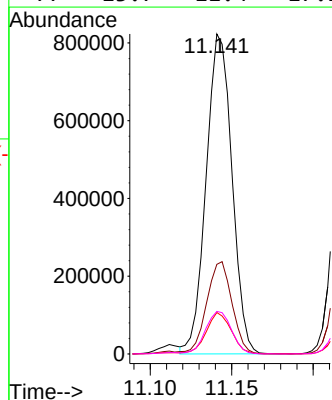
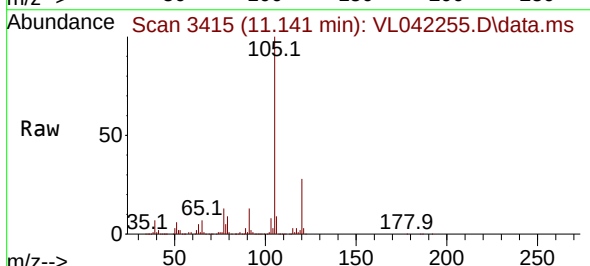
Ion Ratio Lower Upper

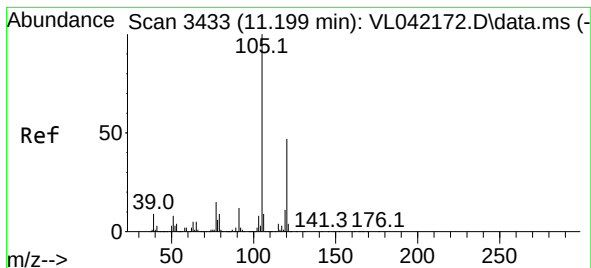
105 100

120 29.0 23.4 35.0

91 12.8 10.3 15.5

77 13.7 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 11.187 ppbv

RT: 11.222 min Scan# 34

Delta R.T. 0.023 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_1

ClientSampleId :

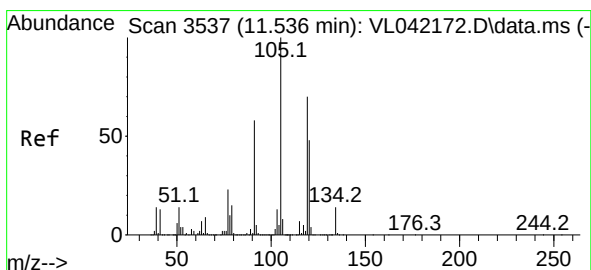
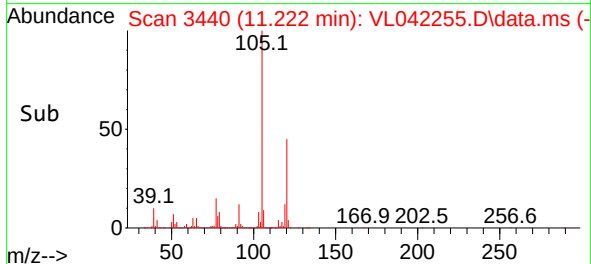
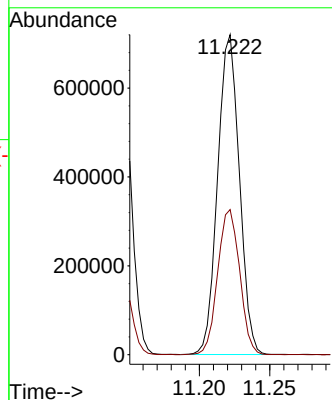
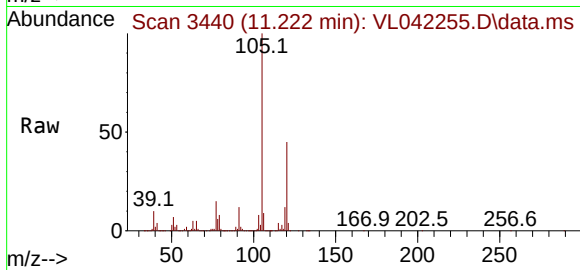
VL0408ABS01

Tgt Ion:105 Resp: 773328

Ion Ratio Lower Upper

105 100

120 45.4 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 10.827 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.019 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Tgt Ion:105 Resp: 862179

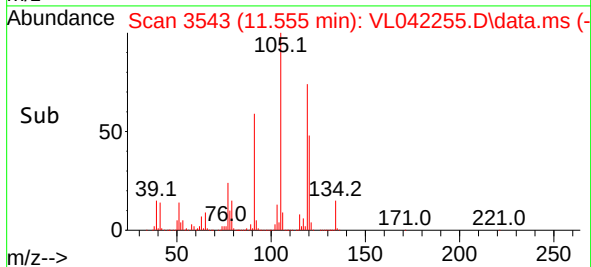
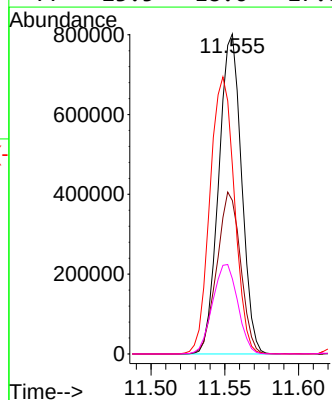
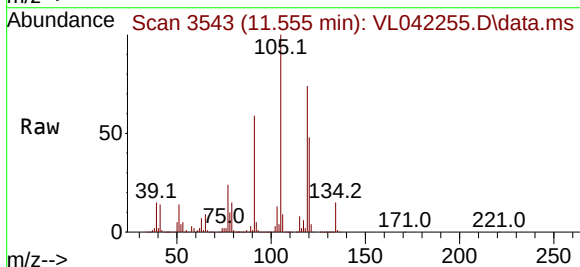
Ion Ratio Lower Upper

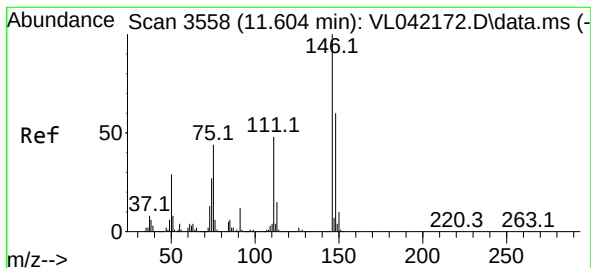
105 100

120 47.9 38.6 58.0

91 59.0 46.2 69.2

77 23.5 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 11.739 ppbv

RT: 11.623 min Scan# 3558

Delta R.T. 0.019 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

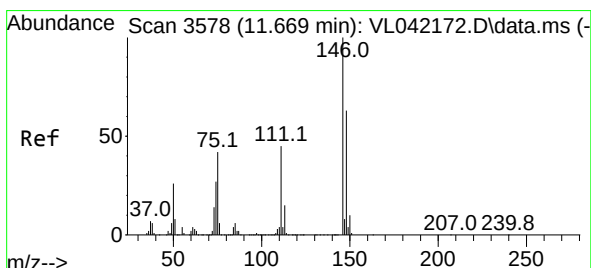
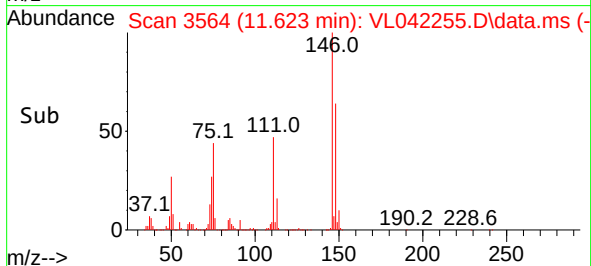
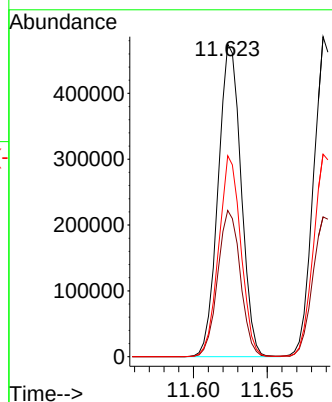
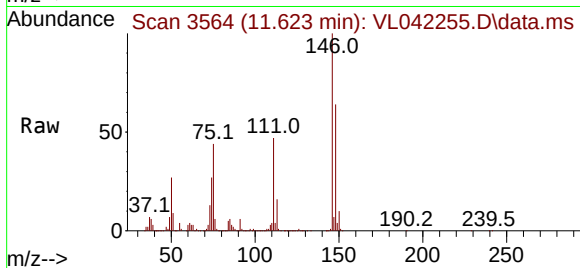
Tgt Ion:146 Resp: 512731

Ion Ratio Lower Upper

146 100

111 46.2 23.8 71.2

148 62.2 31.9 95.9



#76

1,4-Dichlorobenzene

Concen: 11.619 ppbv

RT: 11.688 min Scan# 3584

Delta R.T. 0.019 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

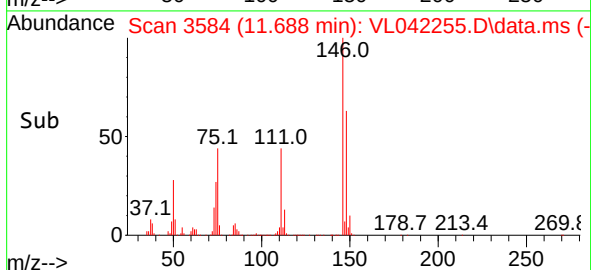
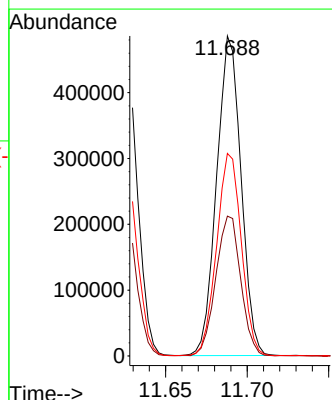
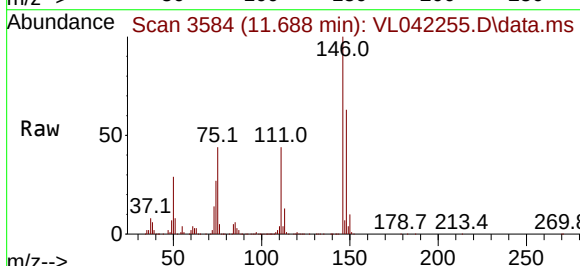
Tgt Ion:146 Resp: 505049

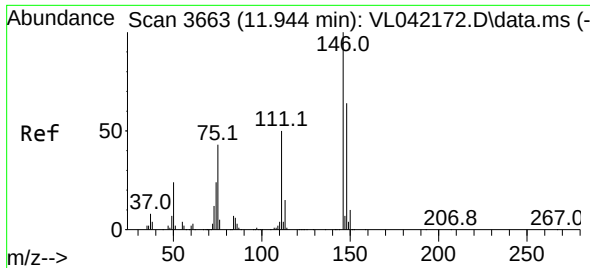
Ion Ratio Lower Upper

146 100

111 44.9 23.0 69.0

148 64.4 31.9 95.7

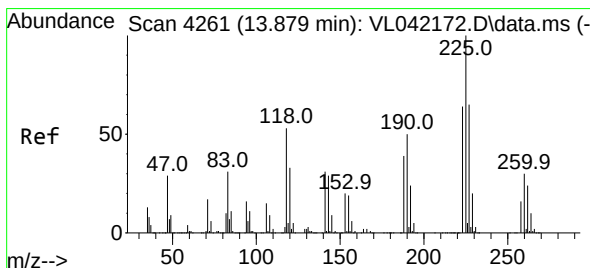
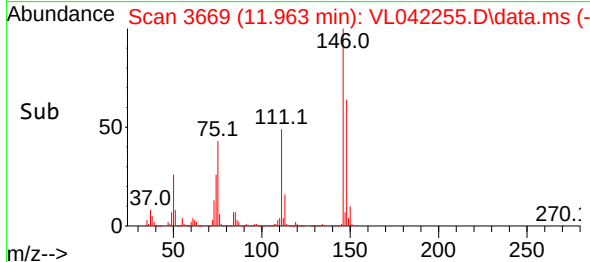
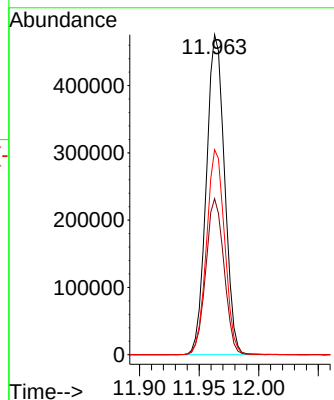
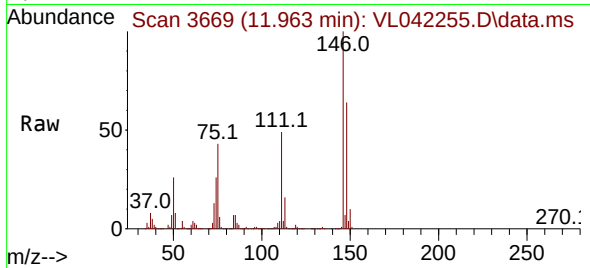




#77
 1,2-Dichlorobenzene
 Concen: 11.883 ppbv
 RT: 11.963 min Scan# 3669
 Delta R.T. 0.019 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

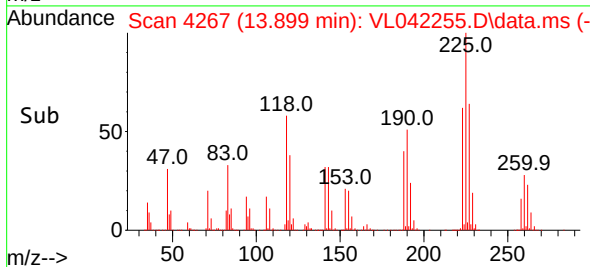
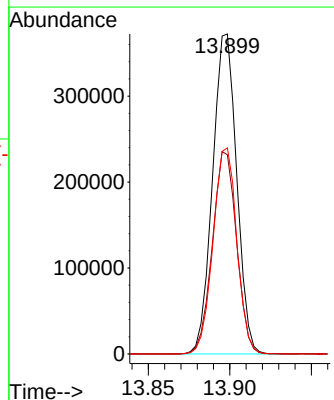
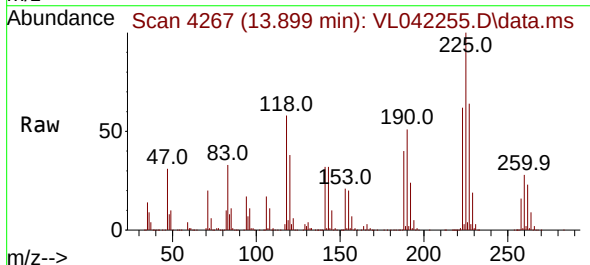
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0408ABS01

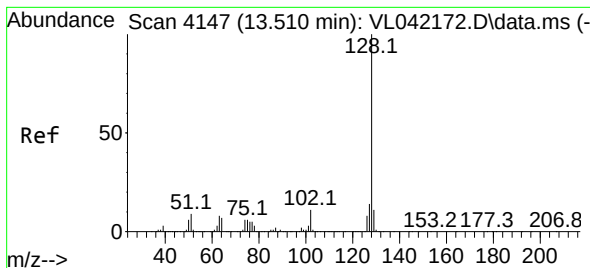
Tgt Ion:146 Resp: 505323
 Ion Ratio Lower Upper
 146 100
 111 48.9 24.8 74.3
 148 63.8 31.6 94.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.845 ppbv
 RT: 13.899 min Scan# 4267
 Delta R.T. 0.019 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

Tgt Ion:225 Resp: 382876
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.6 76.0
 227 63.4 51.2 76.8





#79

Naphthalene

Concen: 10.055 ppbv

RT: 13.530 min Scan# 4147

Delta R.T. 0.019 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

Instrument :

MSVOA_L

ClientSampleId :

VL0408ABS01

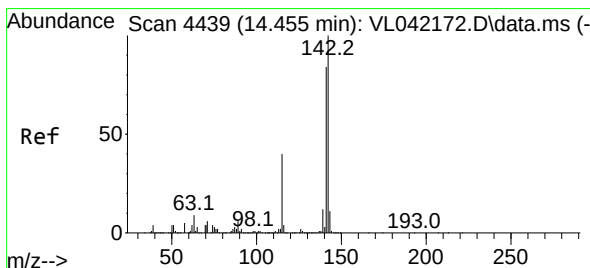
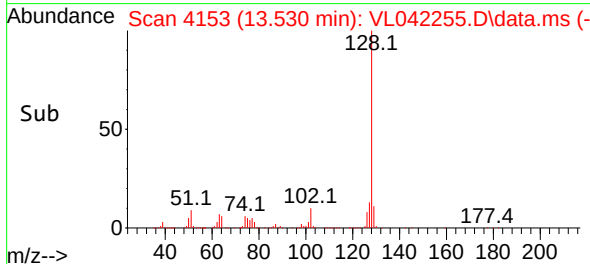
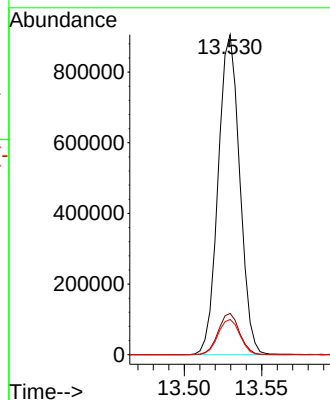
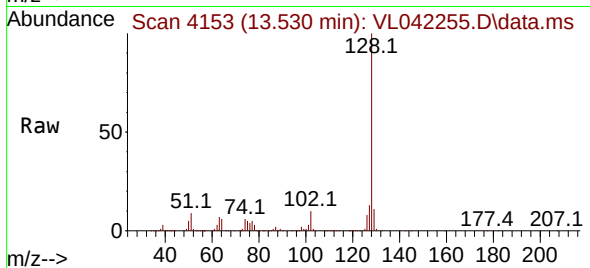
Tgt Ion:128 Resp: 875824

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 11.0 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 6.815 ppbv

RT: 14.475 min Scan# 4445

Delta R.T. 0.019 min

Lab File: VL042255.D

Acq: 08 Apr 2025 10:05

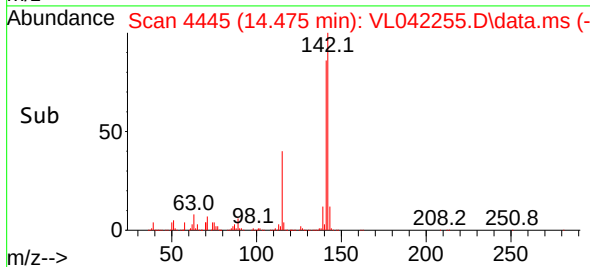
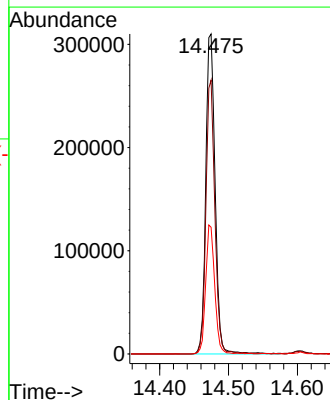
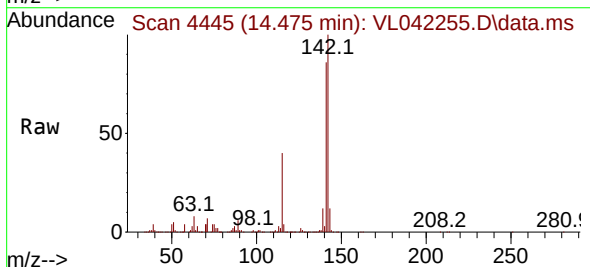
Tgt Ion:142 Resp: 291105

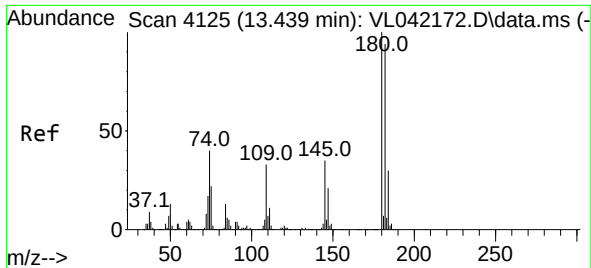
Ion Ratio Lower Upper

142 100

141 82.7 66.3 99.5

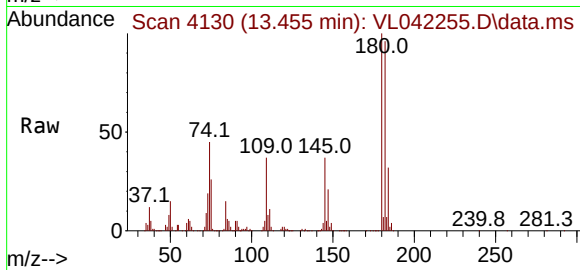
115 39.6 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.672 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL042255.D
 Acq: 08 Apr 2025 10:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABS01



Tgt Ion:180 Resp: 388605

Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.1	112.7
184	30.5	24.4	36.6

