

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL033125\
 Data File : VL042201.D
 Acq On : 31 Mar 2025 08:51
 Operator : SY/MD
 Sample : VSTDCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCC010

Quant Time: Apr 01 01:34:26 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	2.800	49	161478	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.982	114	460403	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	424671	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	355372	10.190	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.506	85	243672	10.220	ppbv	98
3) Chlorodifluoromethane	1.483	51	233931	9.604	ppbv	96
4) Chloromethane	1.538	50	91967	9.439	ppbv	99
5) Vinyl Chloride	1.586	62	88747	8.595	ppbv	96
6) Bromomethane	1.674	94	40765	9.232	ppbv	98
7) Chloroethane	1.713	64	35638	9.112	ppbv	98
8) Dichlorotetrafluoroethane	1.561	85	203570	10.026	ppbv	96
9) Propene	1.489	41	95128	8.521	ppbv	97
10) Heptane	5.011	43	261936	8.821	ppbv	99
11) Trichlorofluoromethane	1.887	101	231721	9.988	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.150	101	182824	9.588	ppbv	98
13) Ethanol	1.729	45	4473	4.238	ppbv	87
14) Bromoethene	1.790	108	66903	9.159	ppbv	99
15) Acetone	1.842	43	193773	8.580	ppbv	96
16) 1,3-Butadiene	1.616	39	96046	8.709	ppbv	97
17) tert-Butyl alcohol	2.049	59	252420	8.974	ppbv	99
18) 1,1-Dichloroethene	2.043	96	82868	9.296	ppbv	100
19) Isopropyl Alcohol	1.894	45	115180	9.039	ppbv	98
20) Methylene Chloride	2.072	84	67877	8.070	ppbv	94
21) Allyl Chloride	2.108	41	144599	9.079	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	91942	8.924	ppbv	96
23) Vinyl Acetate	2.473	43	82938	8.485	ppbv #	96
24) 1,1-Dichloroethane	2.421	63	185830	9.730	ppbv	99
25) Ethyl Acetate	2.852	43	536366	9.151	ppbv	99
26) Hexane	2.842	57	209103	9.236	ppbv	98
27) Carbon Disulfide	2.159	76	230171	9.481	ppbv	98
28) Methyl tert-Butyl Ether	2.454	73	178093	12.635	ppbv	92
29) Chloroform	2.865	83	337970	10.200	ppbv	99
30) Cyclohexane	3.878	84	180110	9.162	ppbv	95
31) cis-1,2-Dichloroethene	2.735	61	219389	9.545	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	359718	9.483	ppbv	98
34) 2-Butanone	2.570	43	301334	9.026	ppbv	99
35) Carbon Tetrachloride	3.784	117	371691	10.335	ppbv	98
36) Benzene	3.677	78	426758	9.350	ppbv	98
37) 1,2-Dichloroethane	3.234	62	273137	10.453	ppbv	99
38) Trichloroethene	4.574	130	179999	9.452	ppbv	96
39) 1,2-Dichloropropane	4.338	63	153124	9.212	ppbv	94
40) 1,4-Dioxane	4.613	88	46600	5.282	ppbv #	20
41) Tetrahydrofuran	3.069	42	170829	8.886	ppbv	100
42) Bromodichloromethane	4.516	83	373399	10.365	ppbv	99
43) Methyl Methacrylate	4.907	69	170312	8.814	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	705253	9.143	ppbv	98
45) t-1,3-Dichloropropene	6.445	75	190040	9.167	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL033125\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDCC010

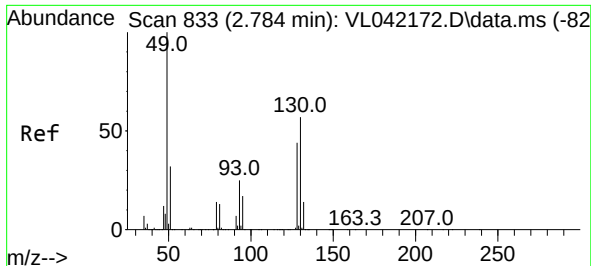
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	232713	9.158	ppbv	96
47) 1,1,2-Trichloroethane	6.616	97	81186	4.620	ppbv	98
48) Dibromochloromethane	7.416	129	303330	10.186	ppbv	100
49) Bromoform	9.503	173	261484	9.780	ppbv	99
50) 4-Methyl-2-Pentanone	5.791	43	437050	8.261	ppbv	97
51) 2-Hexanone	7.464	43	351622	8.093	ppbv #	96
52) Tetrachloroethene	8.247	164	155203	8.574	ppbv	96
53) Toluene	6.962	91	492717	9.106	ppbv	100
54) 1,2-Dibromoethane	7.675	107	239347	9.771	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.947	131	236930	10.136	ppbv	98
57) Chlorobenzene	8.943	112	389475	9.669	ppbv	97
58) Ethyl Benzene	9.374	91	712533	9.446	ppbv	98
59) m/p-Xylene	9.571	91	553998	9.197	ppbv #	25
60) o-Xylene	9.986	91	575224	9.526	ppbv	97
61) Styrene	9.892	104	281518	9.424	ppbv	100
62) Isopropylbenzene	10.558	105	874894	9.689	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	349199	9.518	ppbv	100
64) n-propylbenzene	11.008	120	228400	9.826	ppbv	97
65) tert-Butylbenzene	11.549	119	795482	9.526	ppbv	98
66) Benzyl Chloride	11.633	91	72526	8.185	ppbv	99
67) sec-Butylbenzene	11.785	105	1123267	9.677	ppbv	99
69) p-Isopropyltoluene	11.940	119	967912	9.684	ppbv	99
70) n-Butylbenzene	12.296	91	1006907	9.850	ppbv	98
71) 2-Chlorotoluene	10.918	91	676396	9.652	ppbv	98
72) 4-Ethyltoluene	11.141	105	734909	9.775	ppbv	100
73) 1,3,5-Trimethylbenzene	11.222	105	637499	9.709	ppbv	97
74) 1,2,4-Trimethylbenzene	11.555	105	696079	9.202	ppbv	99
75) 1,3-Dichlorobenzene	11.623	146	410546	9.895	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	413478	10.014	ppbv	100
77) 1,2-Dichlorobenzene	11.963	146	399386	9.887	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	345217	8.395	ppbv	99
79) Naphthalene	13.530	128	833346	10.072	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	427563	10.537	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	373226	9.779	ppbv	99

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

Quant Time: Apr 01 01:34:26 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

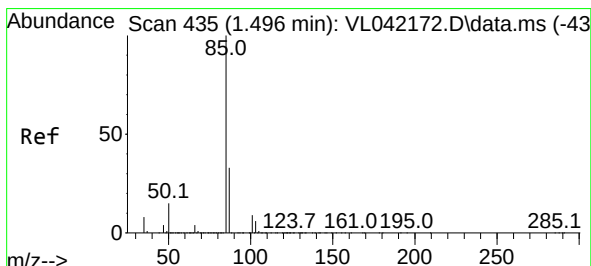
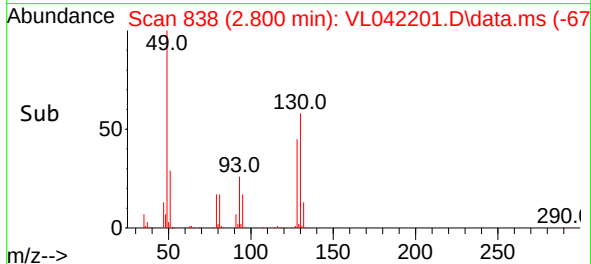
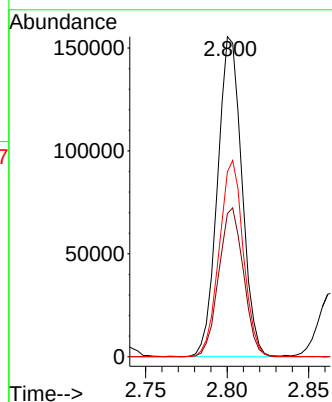
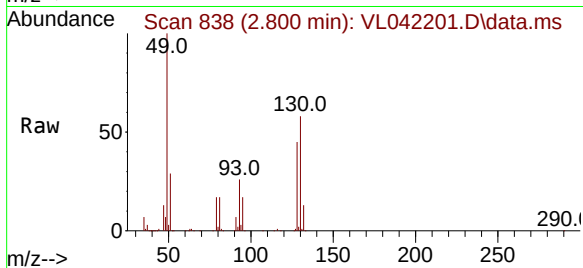




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

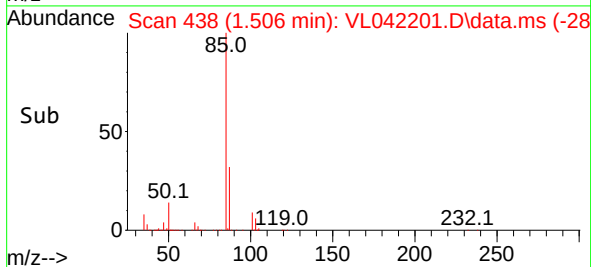
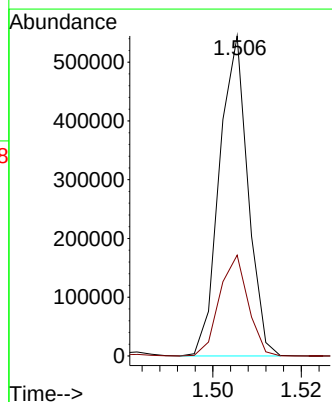
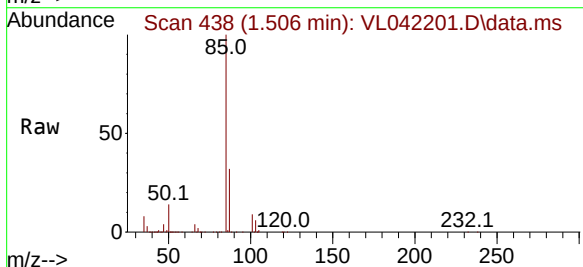
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

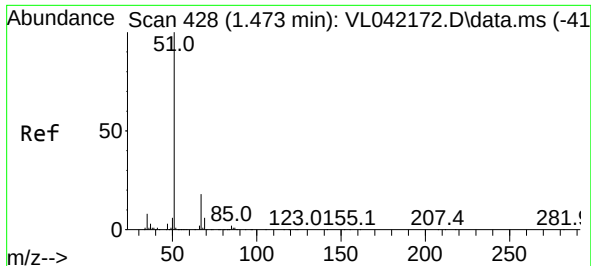
Tgt Ion: 49 Resp: 161478
Ion Ratio Lower Upper
49 100
128 47.1 22.9 68.5
130 60.6 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 10.220 ppbv
RT: 1.506 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 85 Resp: 243672
Ion Ratio Lower Upper
85 100
87 31.5 26.1 39.1

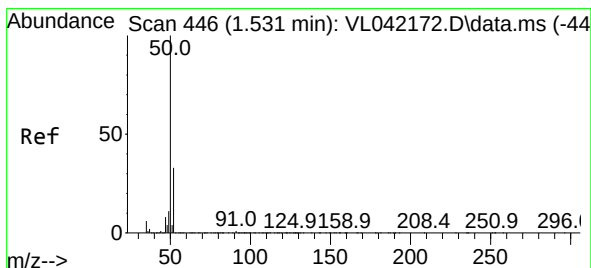
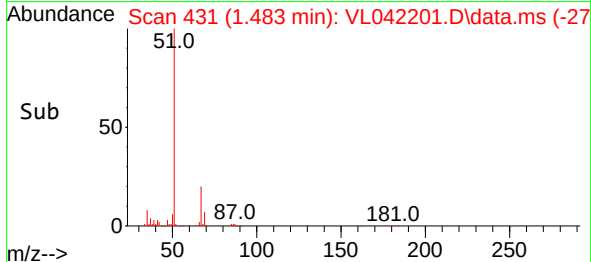
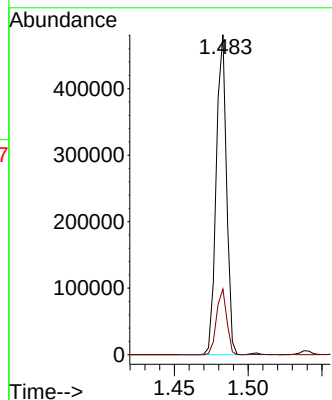
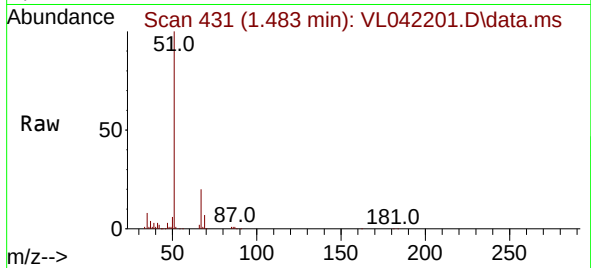




#3
Chlorodifluoromethane
Concen: 9.604 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

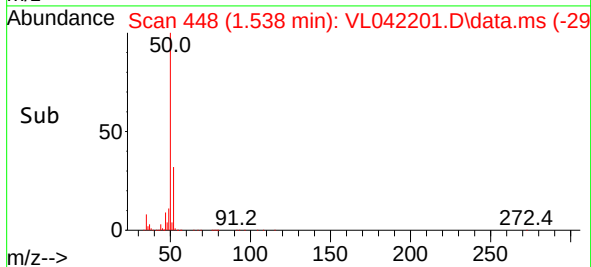
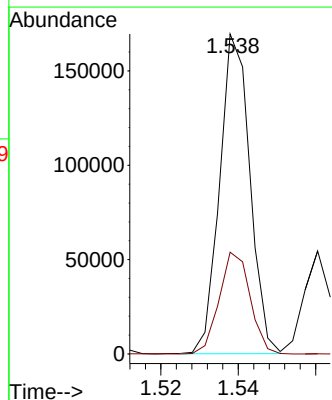
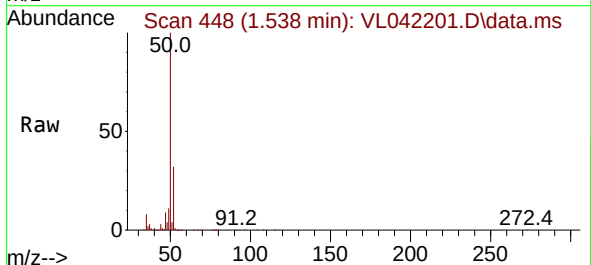
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ClientSampleId :
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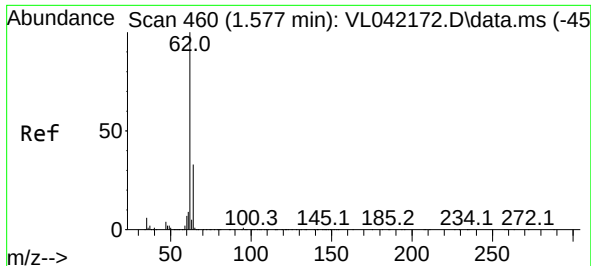
Tgt Ion: 51 Resp: 233931
Ion Ratio Lower Upper
51 100
67 20.4 15.0 22.6



#4
Chloromethane
Concen: 9.439 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 50 Resp: 91967
Ion Ratio Lower Upper
50 100
52 31.8 26.1 39.1

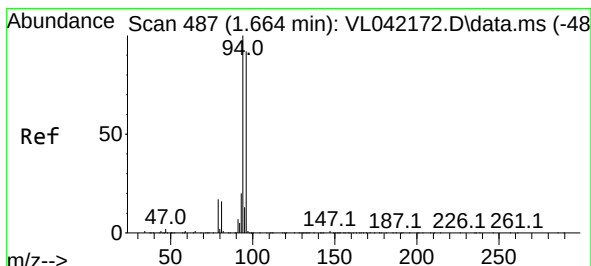
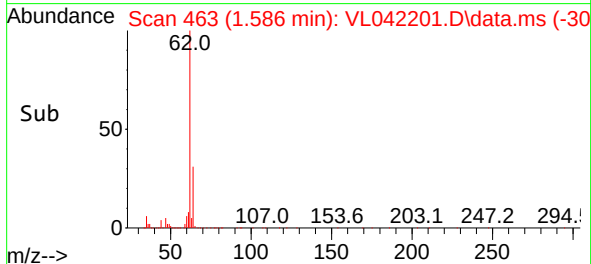
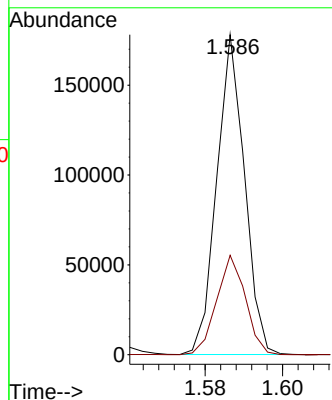
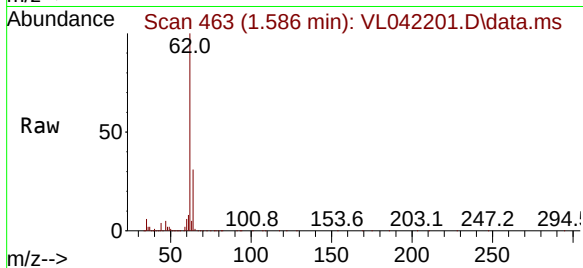




#5
 Vinyl Chloride
 Concen: 8.595 ppbv
 RT: 1.586 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL042201.D
 Acq: 31 Mar 2025 08:51

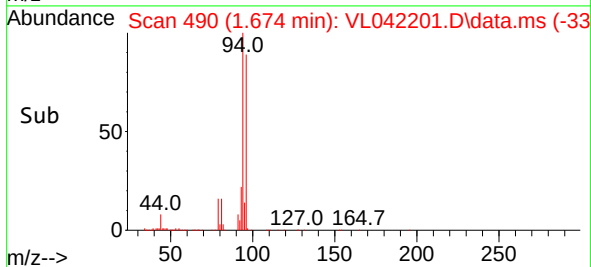
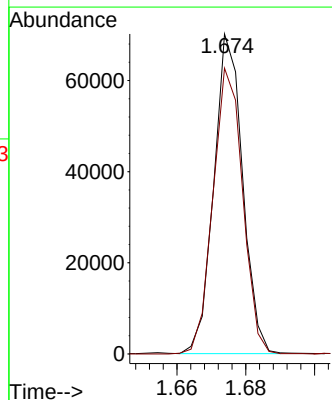
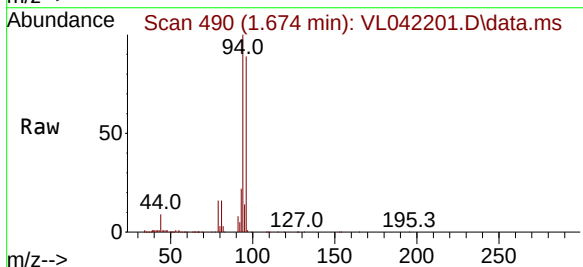
Instrument :
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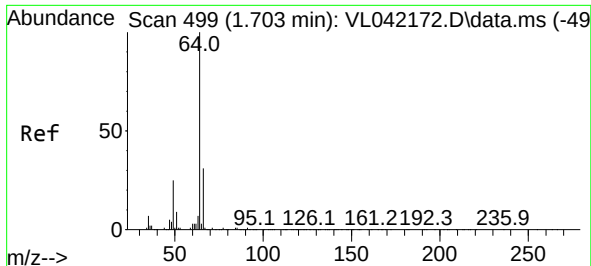
Tgt Ion: 62 Resp: 88747
 Ion Ratio Lower Upper
 62 100
 64 31.1 26.6 40.0



#6
 Bromomethane
 Concen: 9.232 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.010 min
 Lab File: VL042201.D
 Acq: 31 Mar 2025 08:51

Tgt Ion: 94 Resp: 40765
 Ion Ratio Lower Upper
 94 100
 96 89.3 73.1 109.7

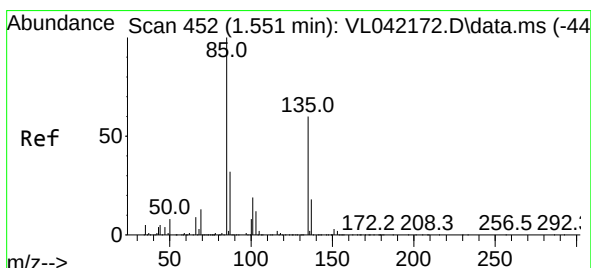
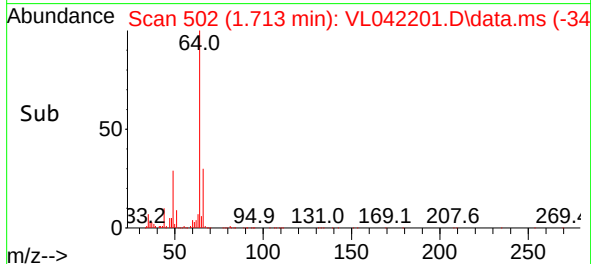
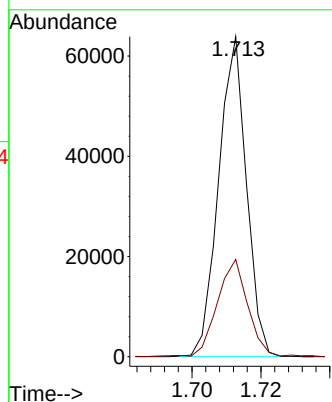
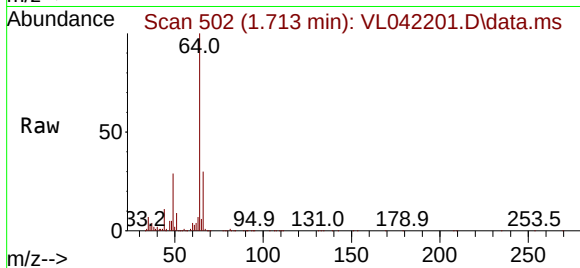




#7
Chloroethane
Concen: 9.112 ppbv
RT: 1.713 min Scan# 502
Delta R.T. 0.010 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

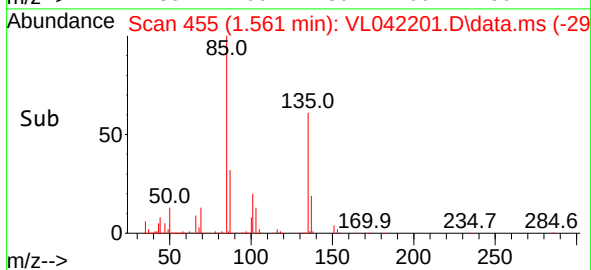
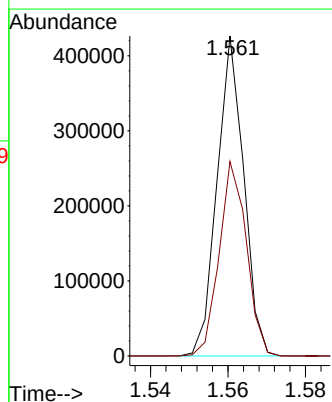
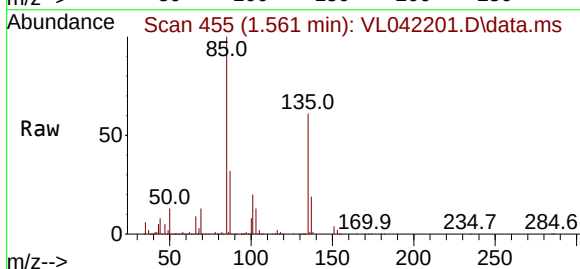
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ClientSampleId :
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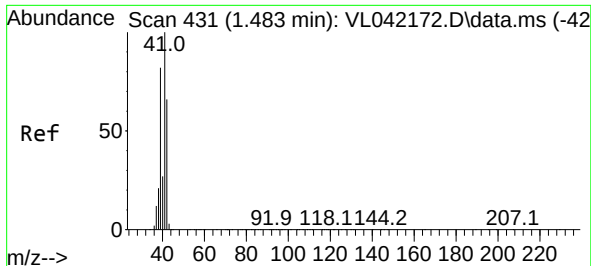
Tgt Ion: 64 Resp: 35638
Ion Ratio Lower Upper
64 100
66 30.4 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 10.026 ppbv
RT: 1.561 min Scan# 455
Delta R.T. 0.010 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 85 Resp: 203570
Ion Ratio Lower Upper
85 100
135 62.2 52.4 78.6





#9

Propene

Concen: 8.521 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

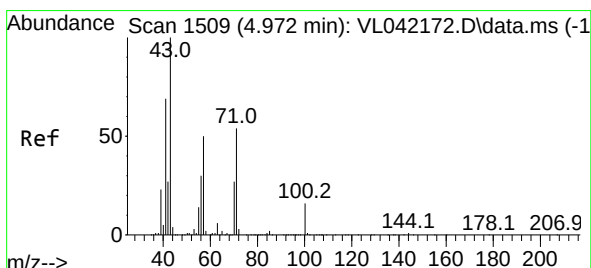
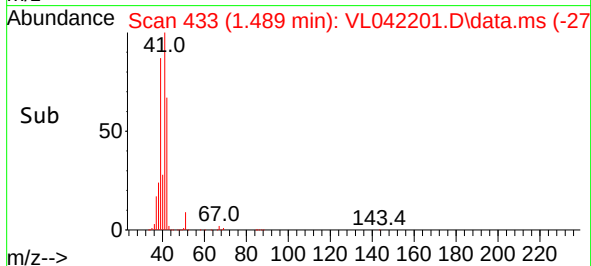
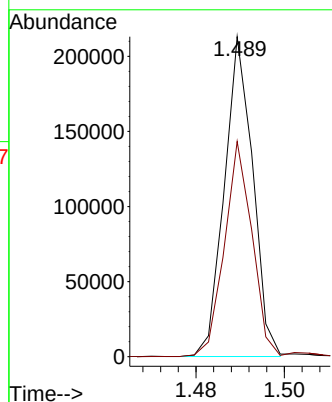
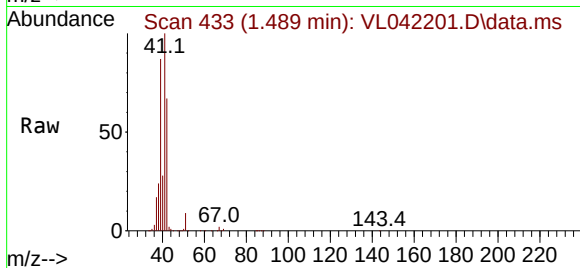
VSTDCCC010

Tgt Ion: 41 Resp: 95128

Ion Ratio Lower Upper

41 100

42 67.2 55.4 83.2



#10

Heptane

Concen: 8.821 ppbv

RT: 5.011 min Scan# 1521

Delta R.T. 0.039 min

Lab File: VL042201.D

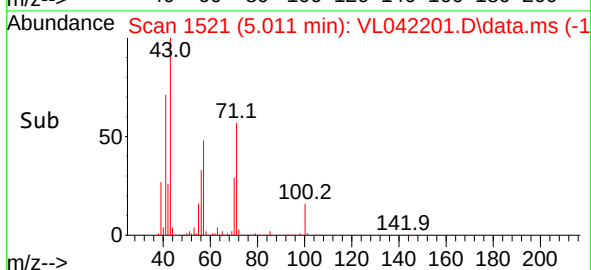
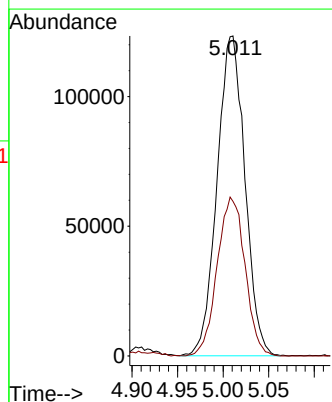
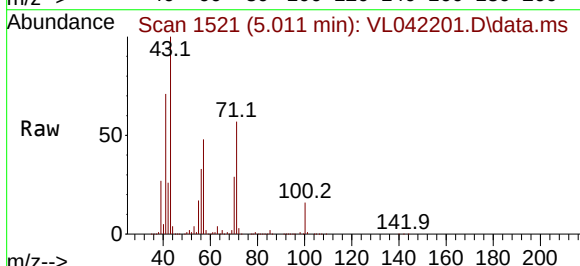
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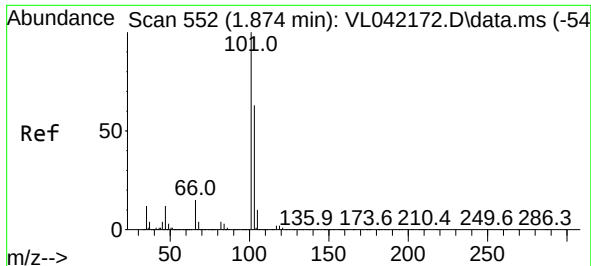
Tgt Ion: 43 Resp: 261936

Ion Ratio Lower Upper

43 100

57 49.7 39.4 59.2

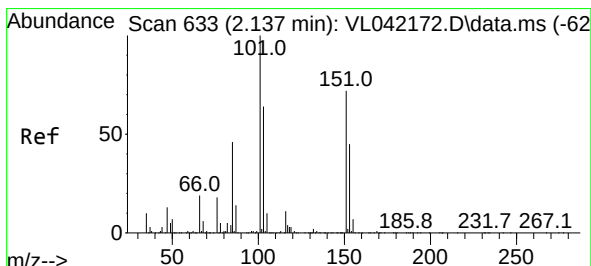
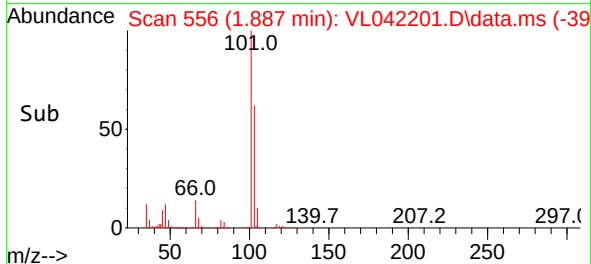
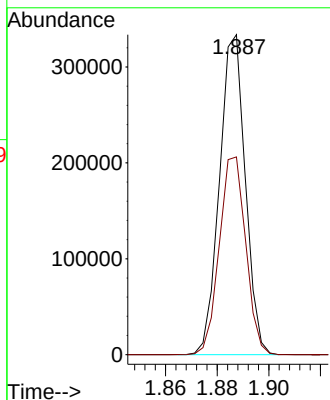
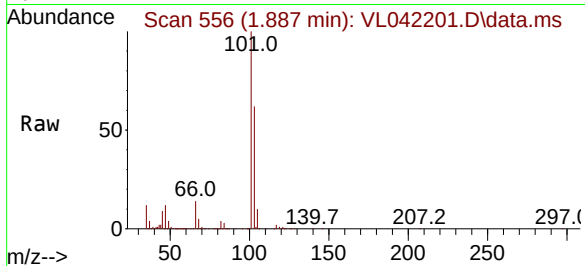




#11
Trichlorofluoromethane
Concen: 9.988 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.013 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

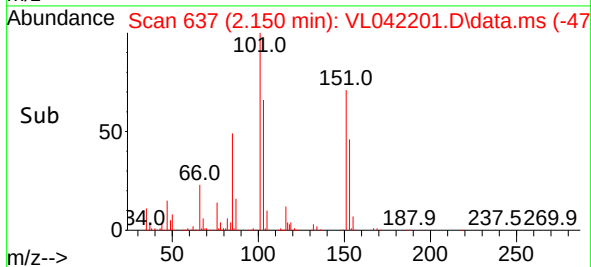
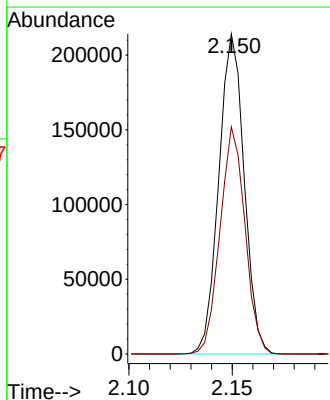
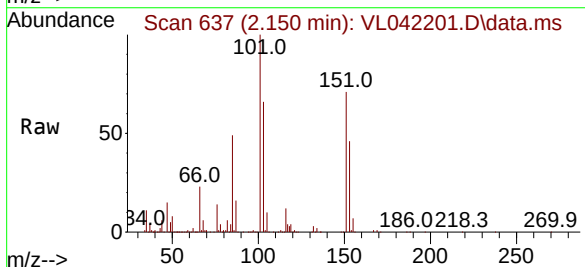
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

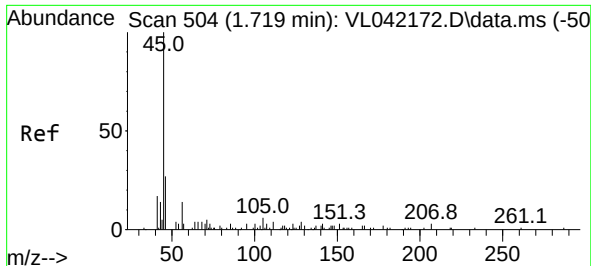
Tgt Ion:101 Resp: 231721
Ion Ratio Lower Upper
101 100
103 61.8 50.2 75.2



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.588 ppbv
RT: 2.150 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion:101 Resp: 182824
Ion Ratio Lower Upper
101 100
151 69.9 57.1 85.7

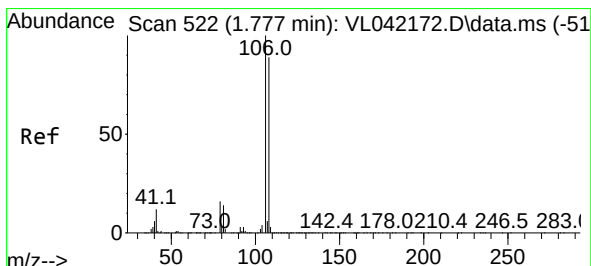
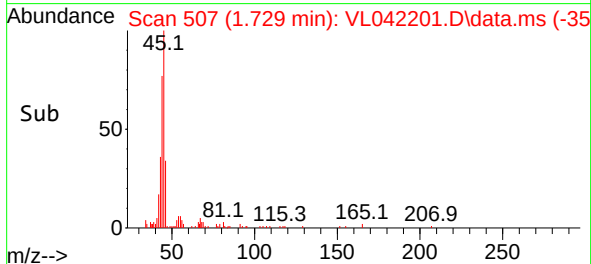
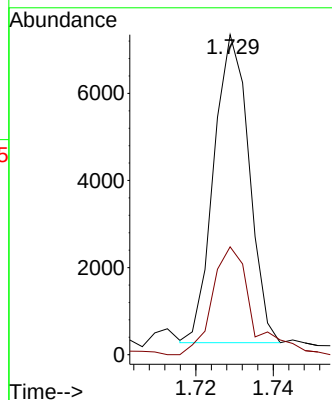
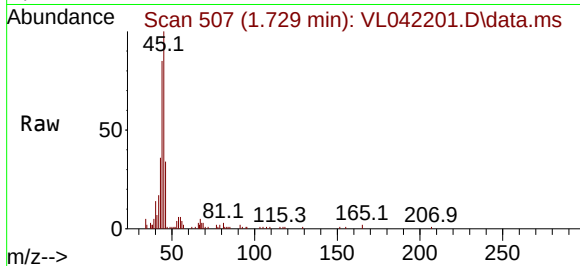




#13
Ethanol
Concen: 4.238 ppbv
RT: 1.729 min Scan# 504
Delta R.T. 0.010 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

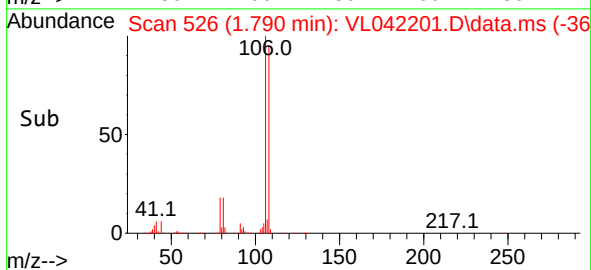
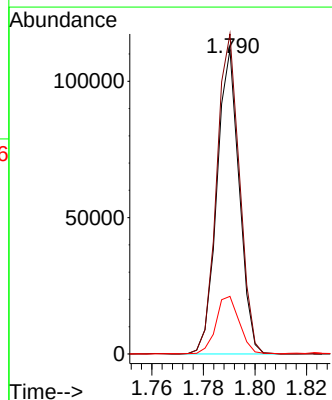
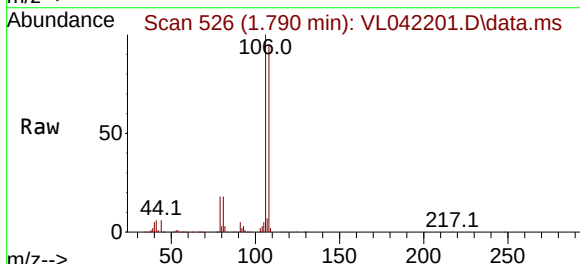
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

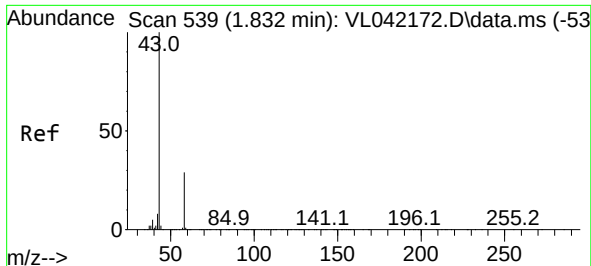
Tgt Ion: 45 Resp: 4473
Ion Ratio Lower Upper
45 100
46 41.3 20.2 80.8



#14
Bromoethene
Concen: 9.159 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.013 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 108 Resp: 66903
Ion Ratio Lower Upper
108 100
106 107.5 86.8 130.2
79 20.9 15.0 22.6

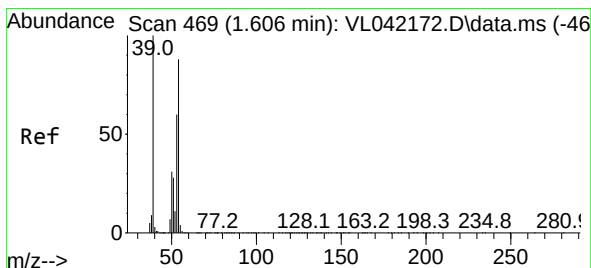
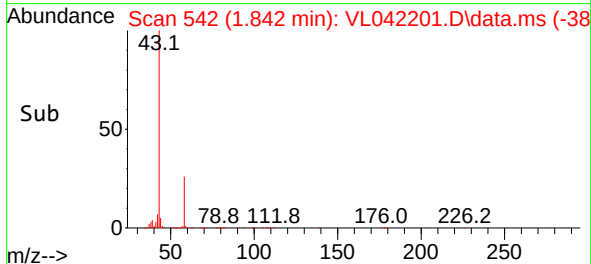
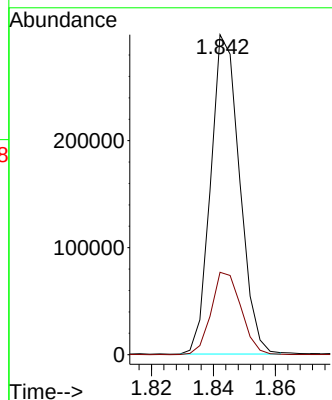
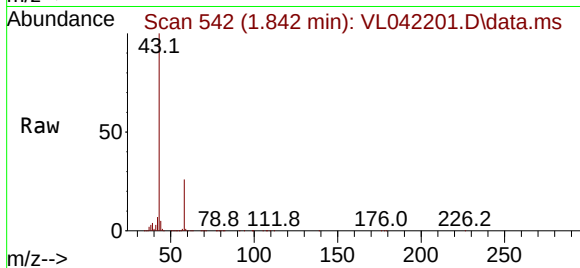




#15
Acetone
Concen: 8.580 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

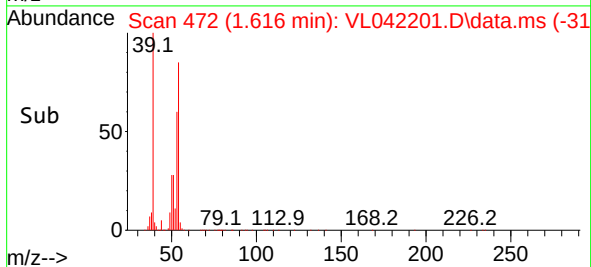
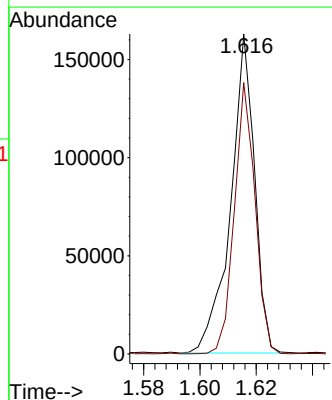
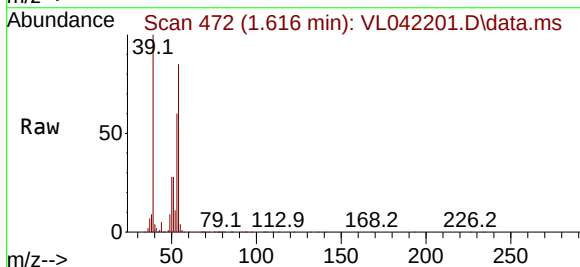
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

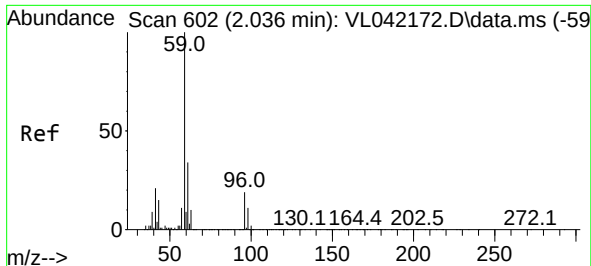
Tgt Ion: 43 Resp: 193773
Ion Ratio Lower Upper
43 100
58 26.7 23.2 34.8



#16
1,3-Butadiene
Concen: 8.709 ppbv
RT: 1.616 min Scan# 472
Delta R.T. 0.010 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 39 Resp: 96046
Ion Ratio Lower Upper
39 100
54 73.7 60.7 91.1





#17

tert-Butyl alcohol

Concen: 8.974 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.013 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

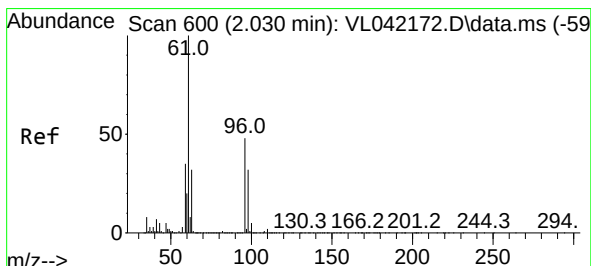
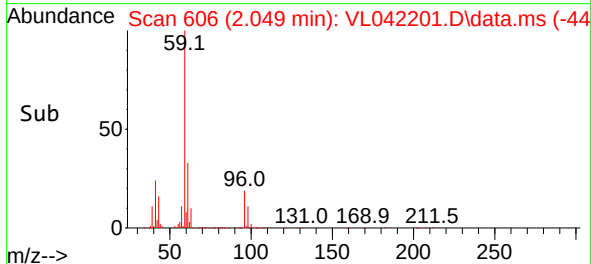
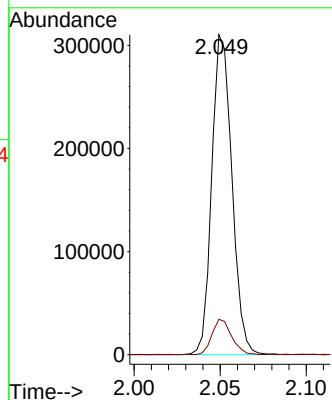
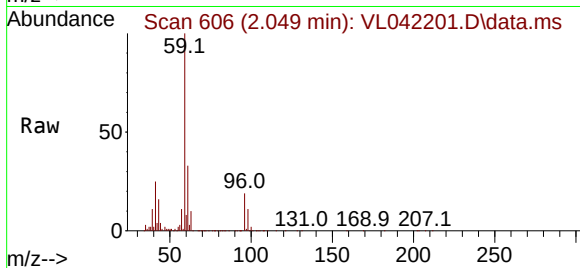
VSTDCCC010

Tgt Ion: 59 Resp: 252420

Ion Ratio Lower Upper

59 100

57 10.8 8.9 13.3



#18

1,1-Dichloroethene

Concen: 9.296 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.013 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

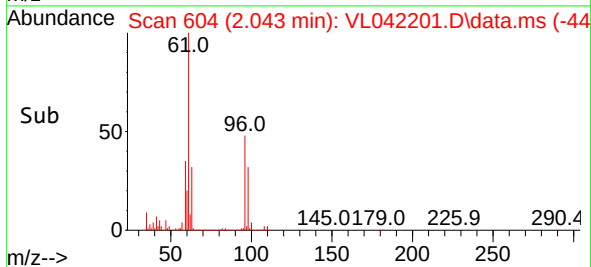
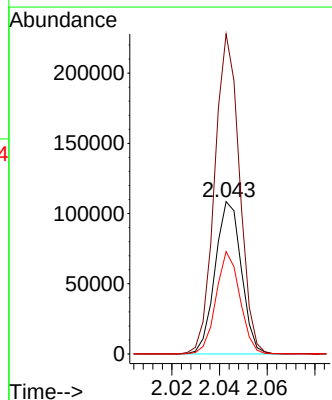
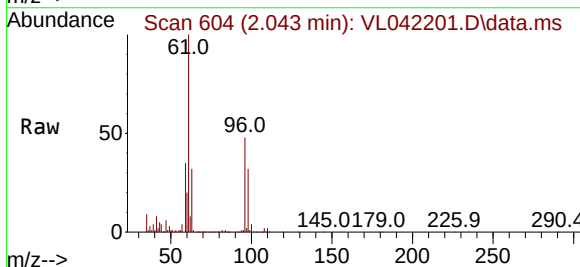
Tgt Ion: 96 Resp: 82868

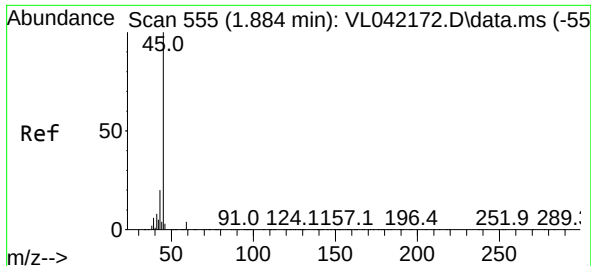
Ion Ratio Lower Upper

96 100

61 209.9 167.6 251.4

98 67.2 53.5 80.3

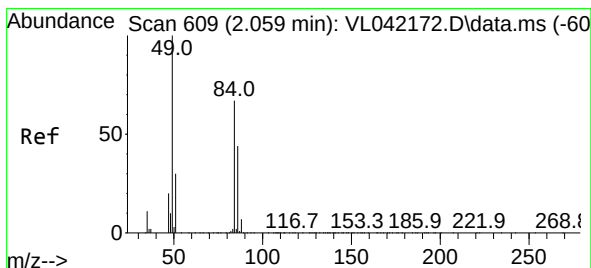
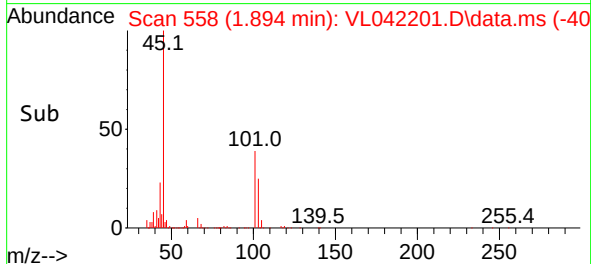
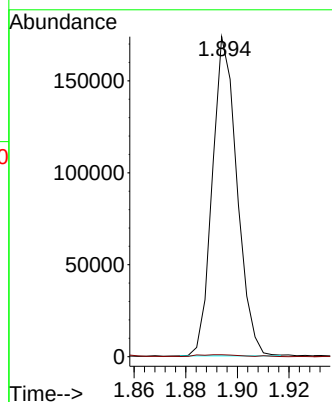
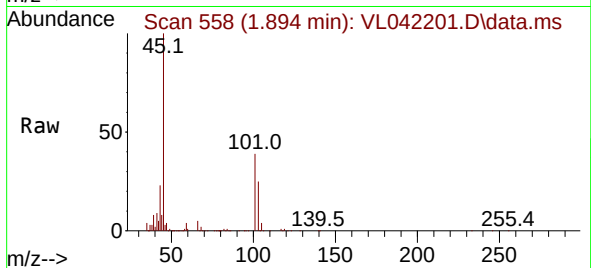




#19
Isopropyl Alcohol
Concen: 9.039 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.010 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

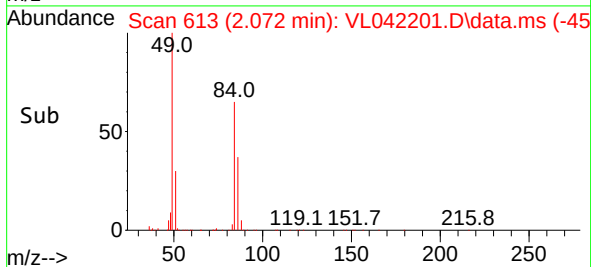
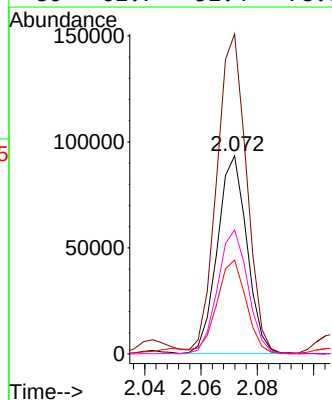
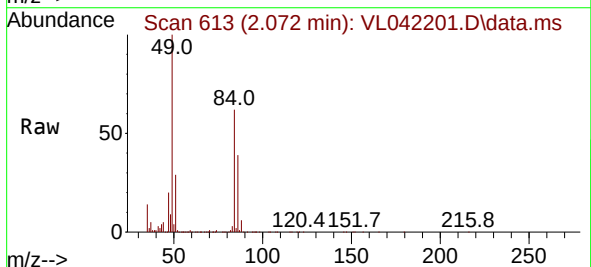
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

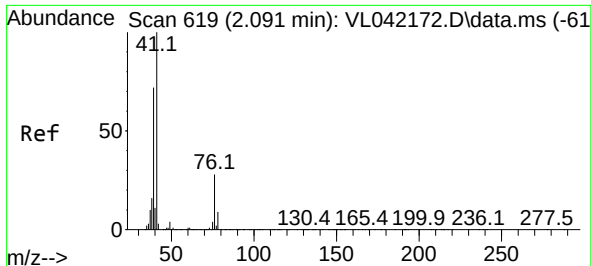
Tgt Ion: 45 Resp: 115180
Ion Ratio Lower Upper
45 100
58 45.0 36.9 55.3



#20
Methylene Chloride
Concen: 8.070 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 84 Resp: 67877
Ion Ratio Lower Upper
84 100
49 161.2 120.2 180.4
51 47.1 37.4 56.0
86 62.7 52.4 78.6

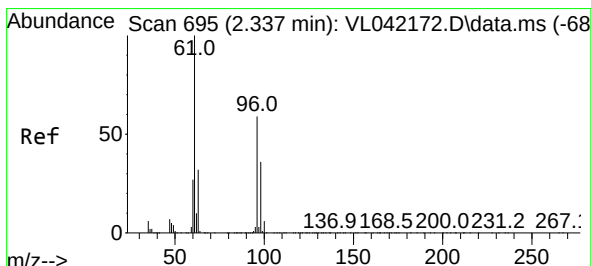
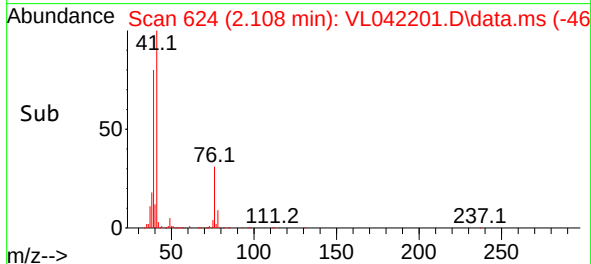
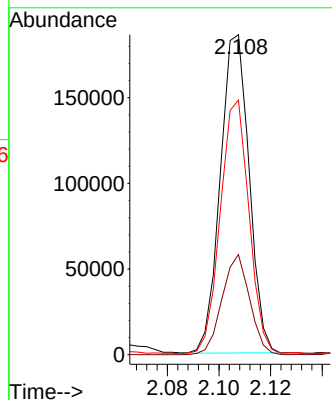
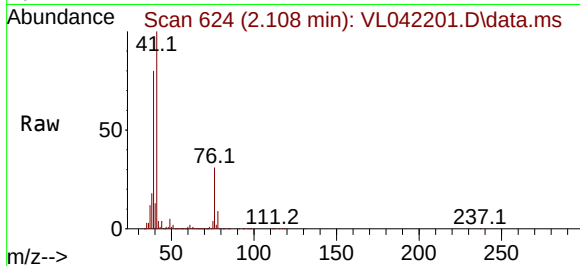




#21
 Allyl Chloride
 Concen: 9.079 ppbv
 RT: 2.108 min Scan# 61
 Delta R.T. 0.016 min
 Lab File: VL042201.D
 Acq: 31 Mar 2025 08:51

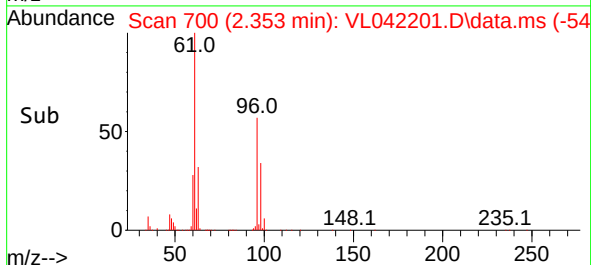
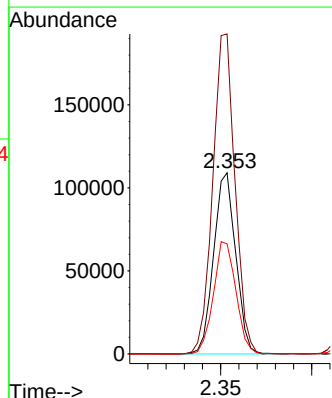
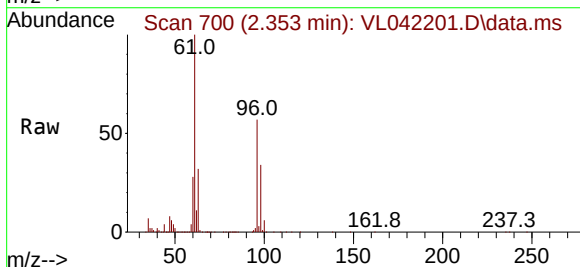
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

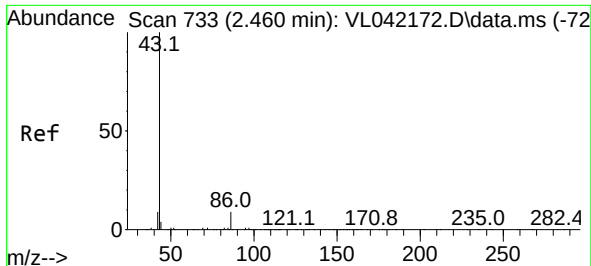
Tgt Ion: 41 Resp: 144599
 Ion Ratio Lower Upper
 41 100
 76 30.0 24.1 36.1
 39 79.1 61.1 91.7



#22
 trans-1,2-Dichloroethene
 Concen: 8.924 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.016 min
 Lab File: VL042201.D
 Acq: 31 Mar 2025 08:51

Tgt Ion: 96 Resp: 91942
 Ion Ratio Lower Upper
 96 100
 61 176.6 136.6 204.8
 98 60.8 49.4 74.2

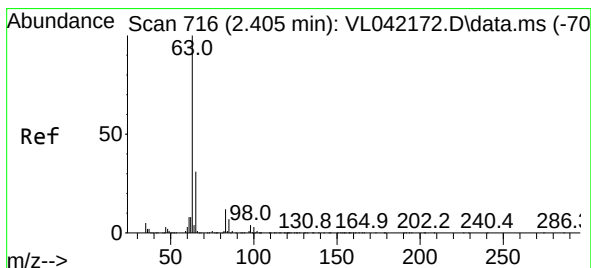
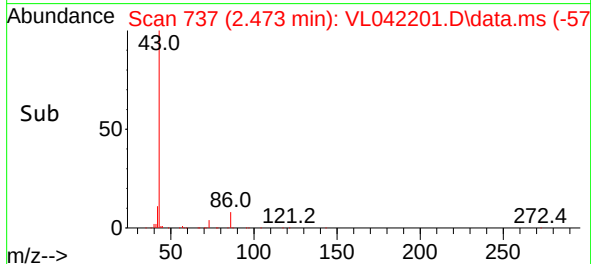
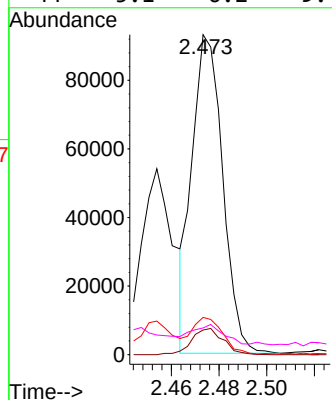
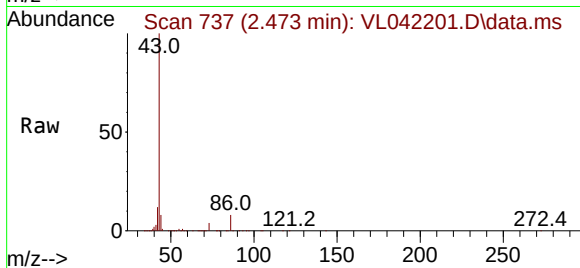




#23
Vinyl Acetate
Concen: 8.485 ppbv
RT: 2.473 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

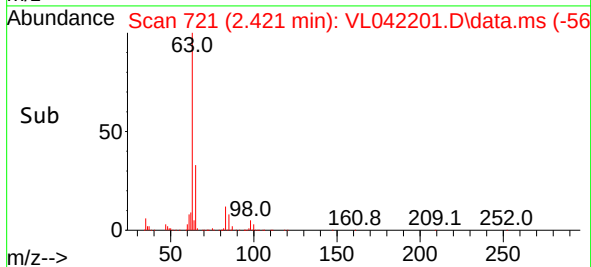
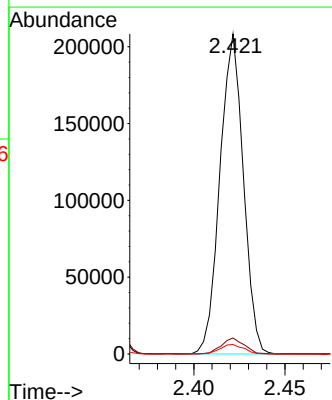
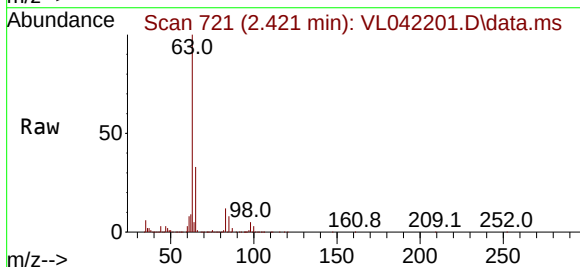
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

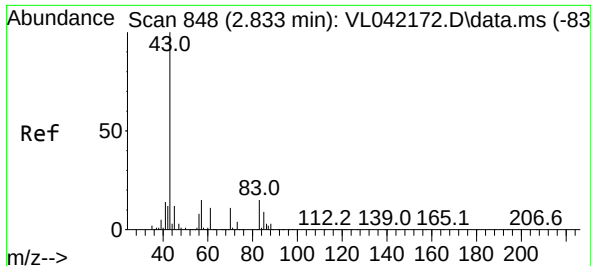
Tgt Ion:	43	Resp:	82938
Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.5	8.3
42	11.5	8.6	13.0
44	5.1	6.2	9.4



#24
1,1-Dichloroethane
Concen: 9.730 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.016 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion:	63	Resp:	185830
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.3	6.8
100	2.9	1.6	4.7



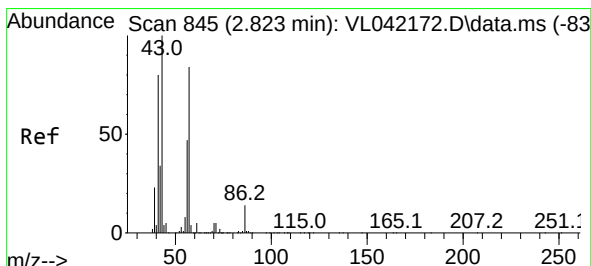
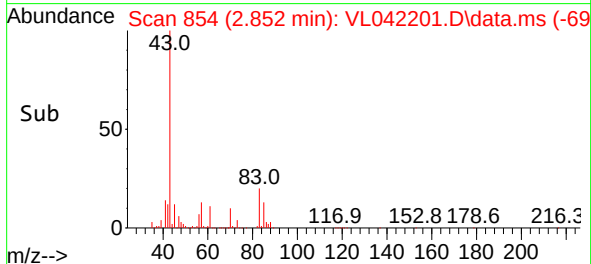
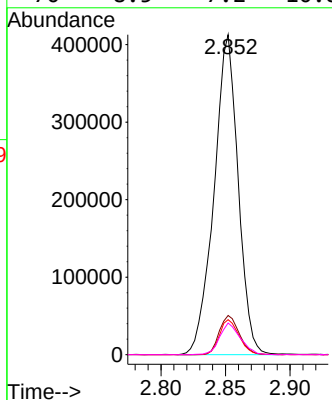
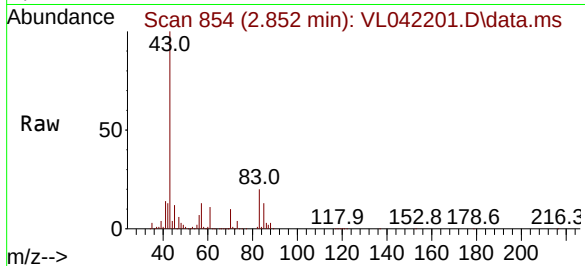


#25
Ethyl Acetate
Concen: 9.151 ppbv
RT: 2.852 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 536366

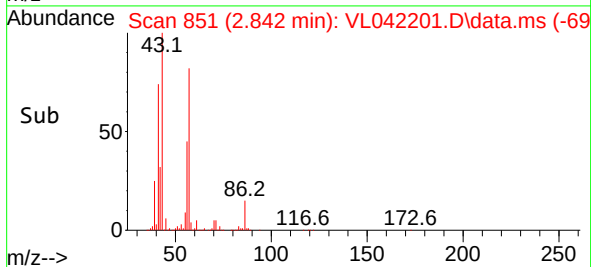
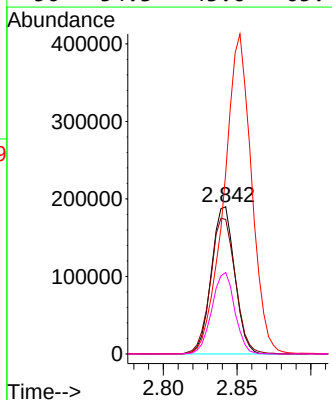
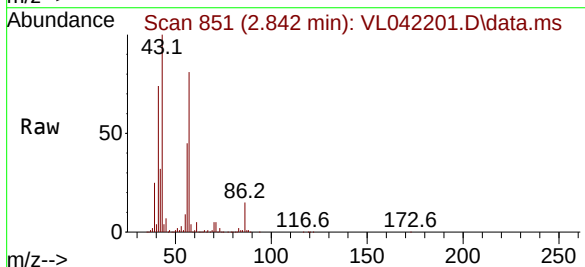
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.0	7.3	10.9
70	8.5	7.2	10.8

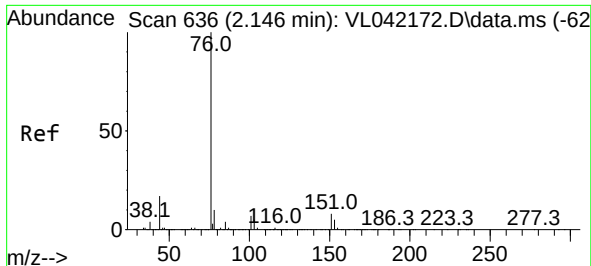


#26
Hexane
Concen: 9.236 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 57 Resp: 209103

Ion	Ratio	Lower	Upper
57	100		
41	98.8	76.6	114.8
43	257.3	207.8	311.8
56	54.3	43.6	65.4

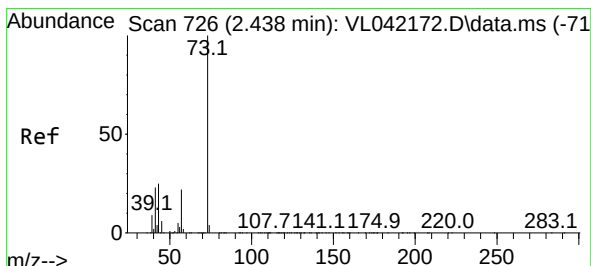
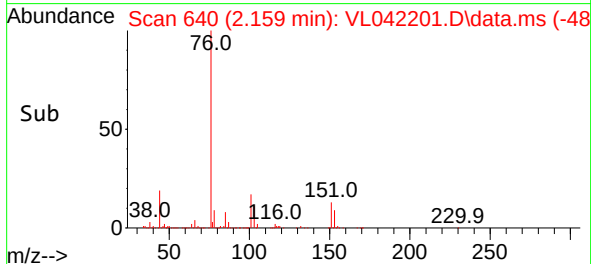
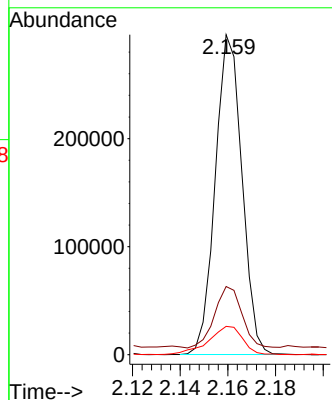
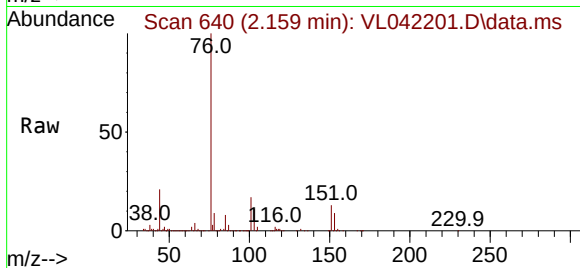




#27
Carbon Disulfide
Concen: 9.481 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.013 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

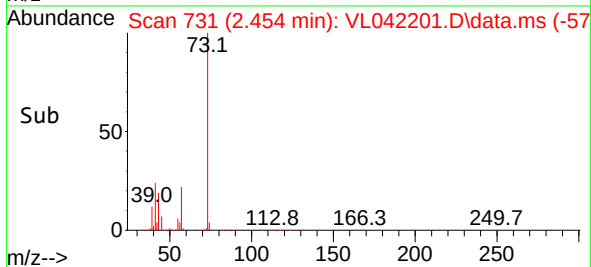
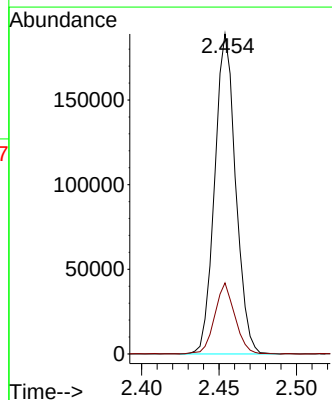
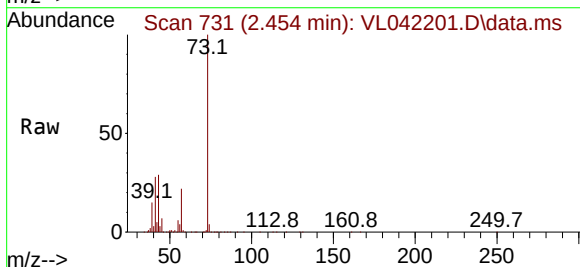
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

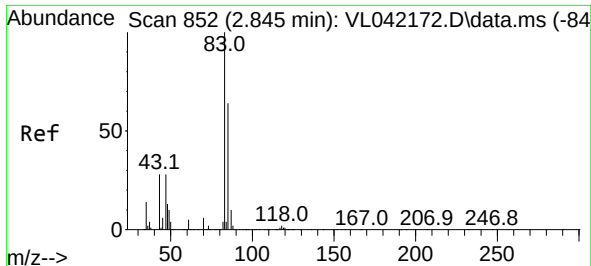
Tgt Ion: 76 Resp: 230171
Ion Ratio Lower Upper
76 100
44 20.1 14.7 22.1
78 11.4 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 12.635 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.016 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 73 Resp: 178093
Ion Ratio Lower Upper
73 100
57 21.4 20.5 30.7





#29

Chloroform

Concen: 10.200 ppbv

RT: 2.865 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

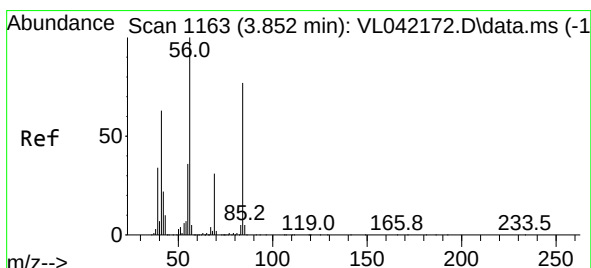
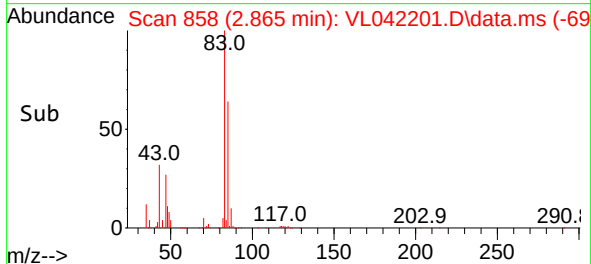
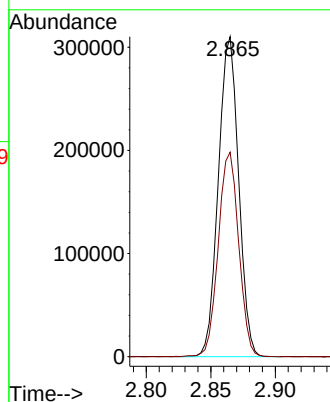
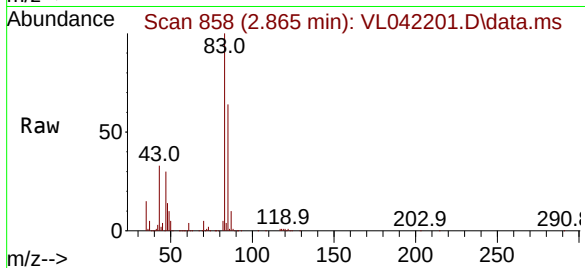
VSTDCCC010

Tgt Ion: 83 Resp: 337970

Ion Ratio Lower Upper

83 100

85 63.9 51.4 77.2



#30

Cyclohexane

Concen: 9.162 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. 0.026 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

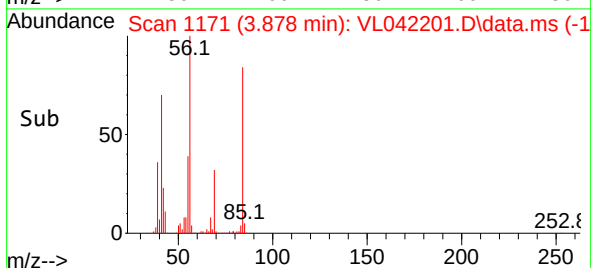
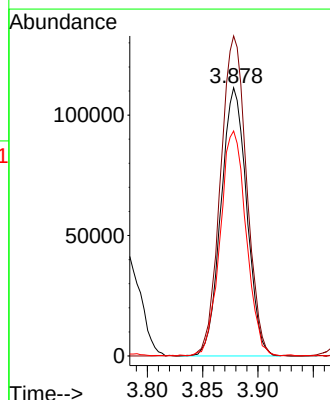
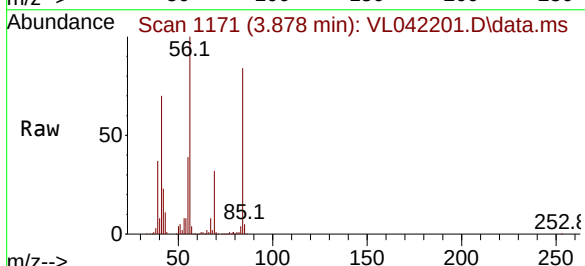
Tgt Ion: 84 Resp: 180110

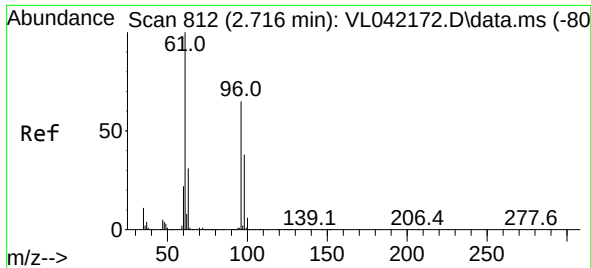
Ion Ratio Lower Upper

84 100

56 121.1 102.8 154.2

41 84.6 66.5 99.7

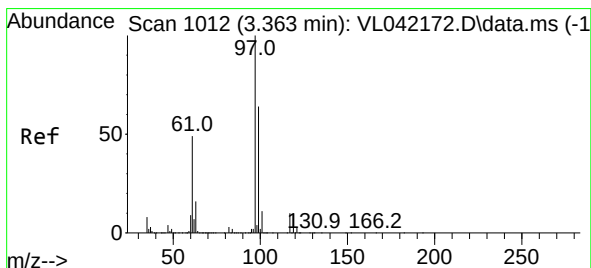
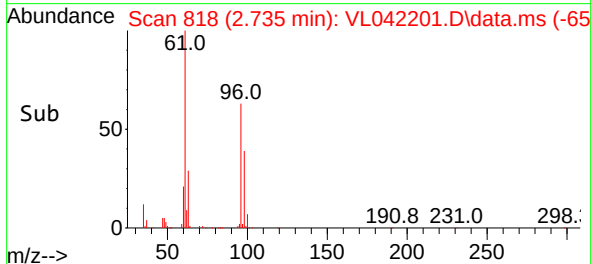
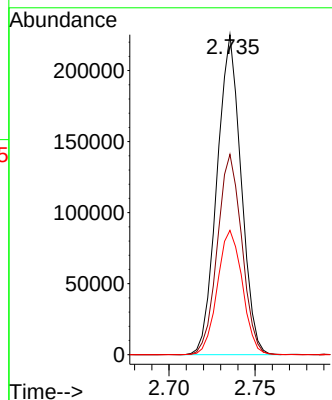
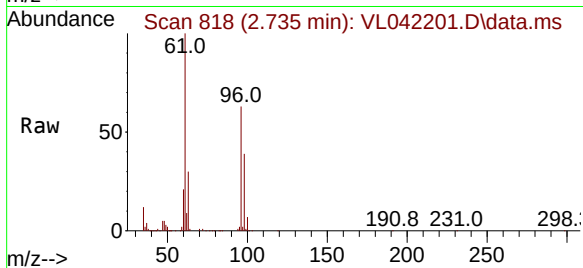




#31
 cis-1,2-Dichloroethene
 Concen: 9.545 ppbv
 RT: 2.735 min Scan# 812
 Delta R.T. 0.019 min
 Lab File: VL042201.D
 Acq: 31 Mar 2025 08:51

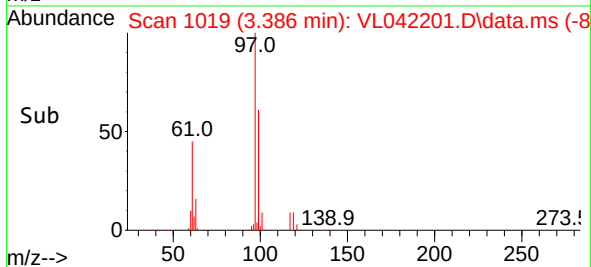
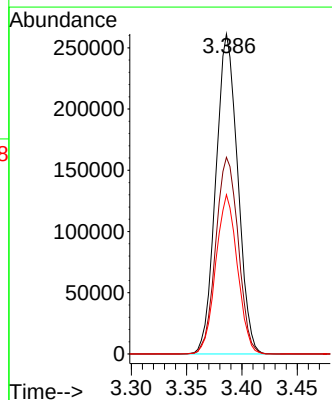
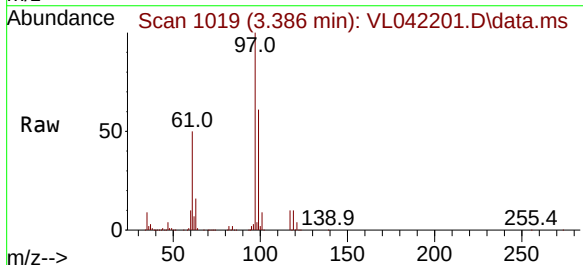
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

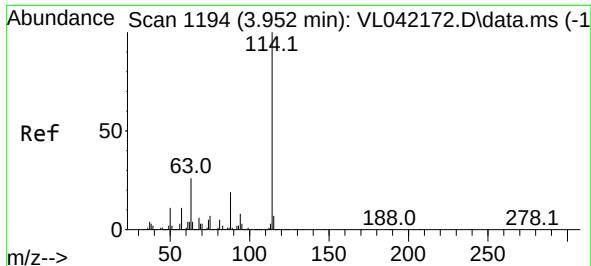
Tgt Ion: 61 Resp: 219389
 Ion Ratio Lower Upper
 61 100
 96 62.6 51.8 77.8
 98 38.9 30.6 46.0



#32
 1,1,1-Trichloroethane
 Concen: 9.483 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. 0.023 min
 Lab File: VL042201.D
 Acq: 31 Mar 2025 08:51

Tgt Ion: 97 Resp: 359718
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.5 77.3
 61 49.3 38.7 58.1

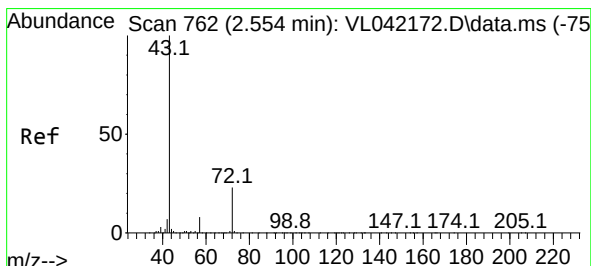
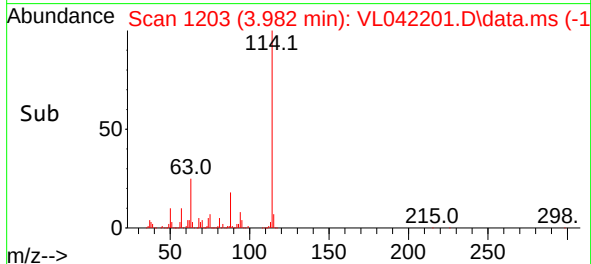
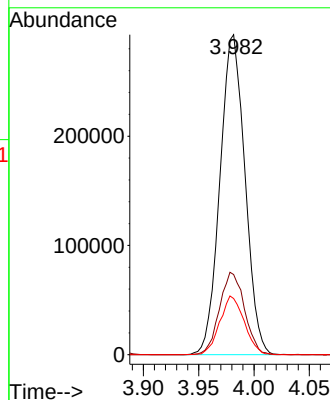
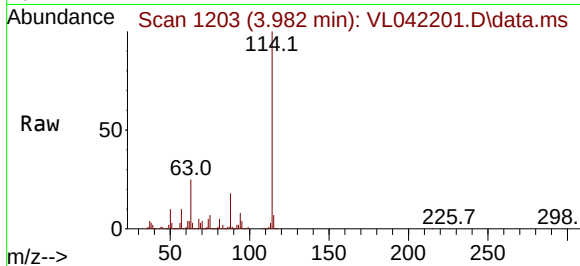




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.982 min Scan# 1194
Delta R.T. 0.029 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

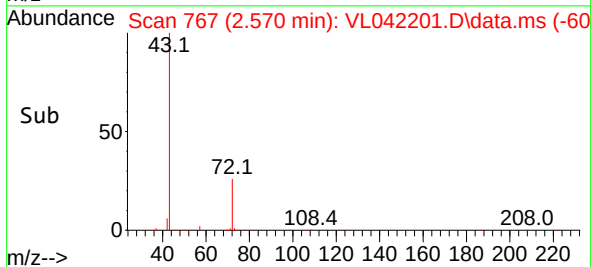
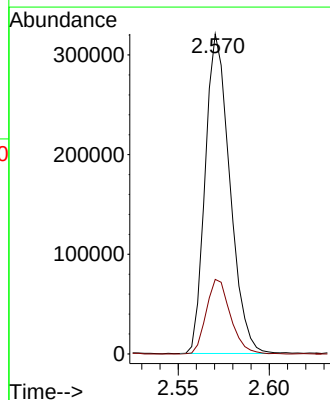
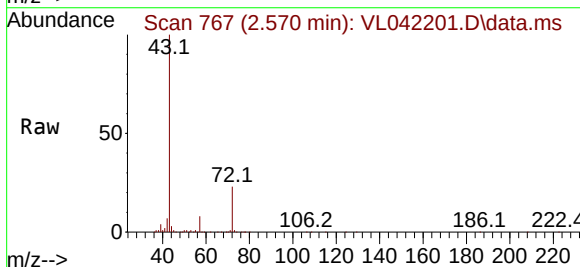
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

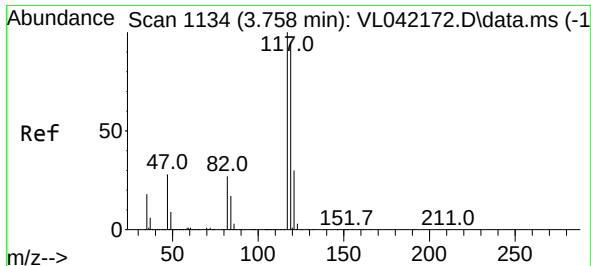
Tgt Ion:114 Resp: 460403
Ion Ratio Lower Upper
114 100
63 25.8 20.7 31.1
88 18.0 15.0 22.4



#34
2-Butanone
Concen: 9.026 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 43 Resp: 301334
Ion Ratio Lower Upper
43 100
72 23.0 18.2 27.2

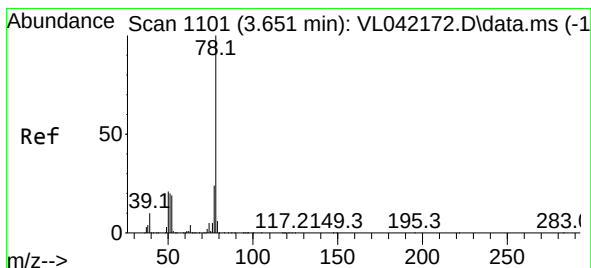
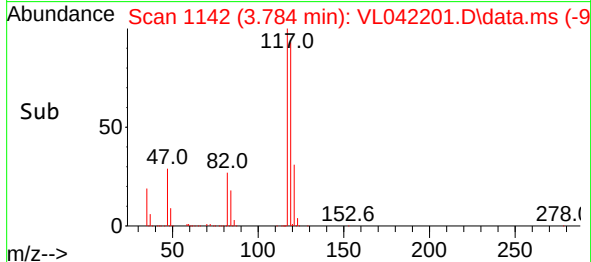
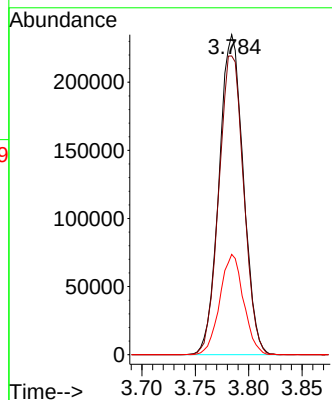
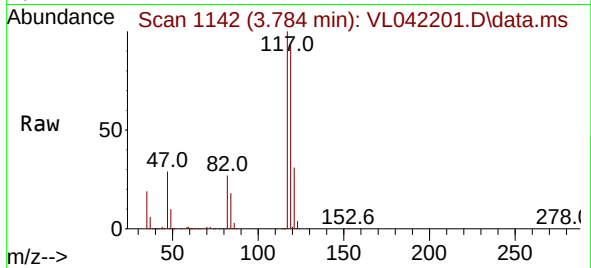




#35
Carbon Tetrachloride
Concen: 10.335 ppbv
RT: 3.784 min Scan# 1134
Delta R.T. 0.026 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

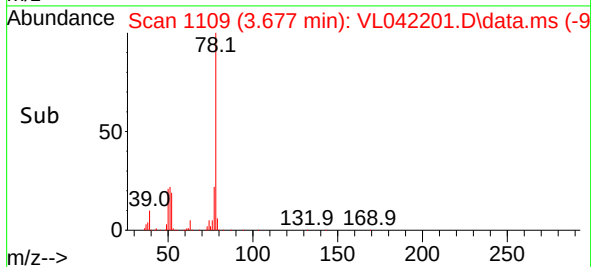
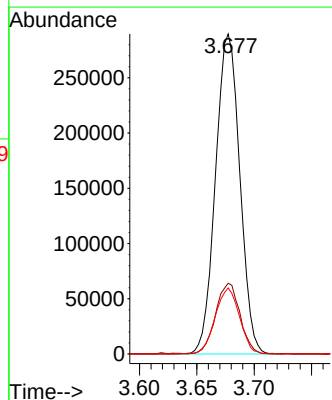
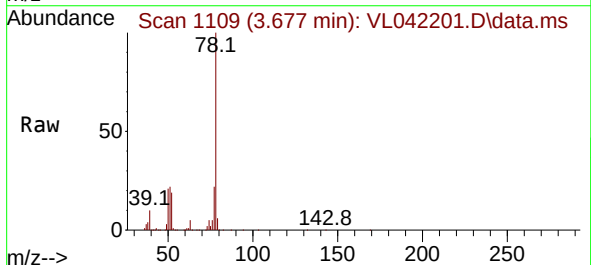
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

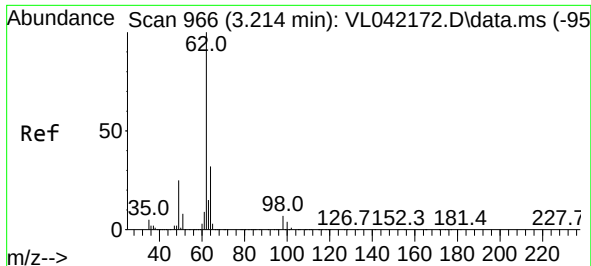
Tgt Ion:117 Resp: 371691
Ion Ratio Lower Upper
117 100
119 93.4 76.2 114.2
121 31.3 24.2 36.4



#36
Benzene
Concen: 9.350 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.026 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 78 Resp: 426758
Ion Ratio Lower Upper
78 100
77 22.1 19.1 28.7
50 20.6 16.6 24.8

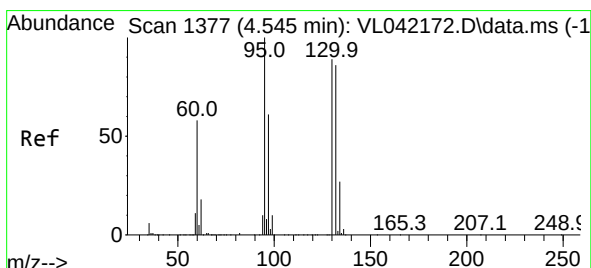
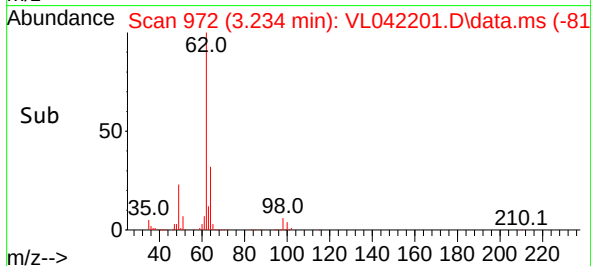
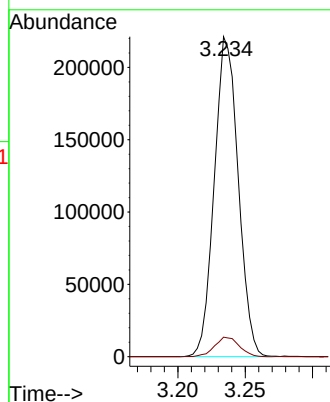
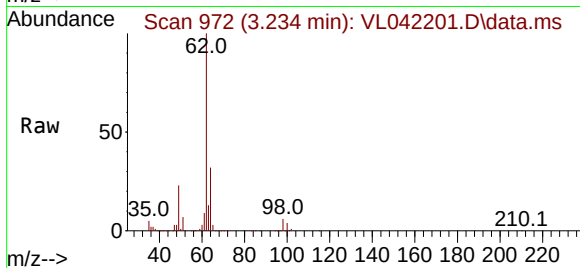




#37
1,2-Dichloroethane
Concen: 10.453 ppbv
RT: 3.234 min Scan# 91
Delta R.T. 0.019 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

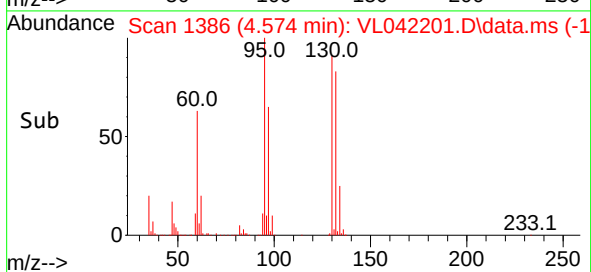
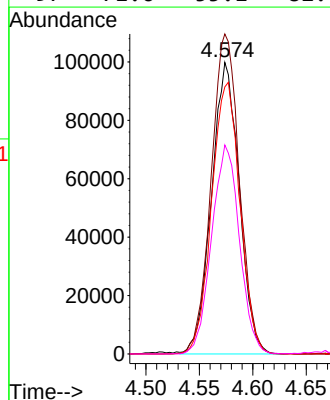
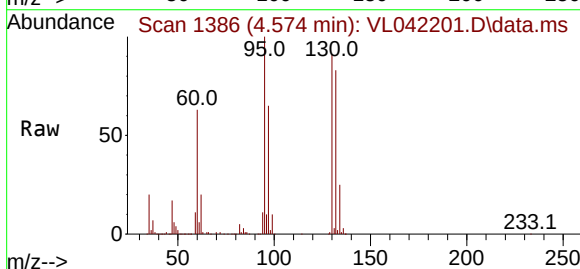
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

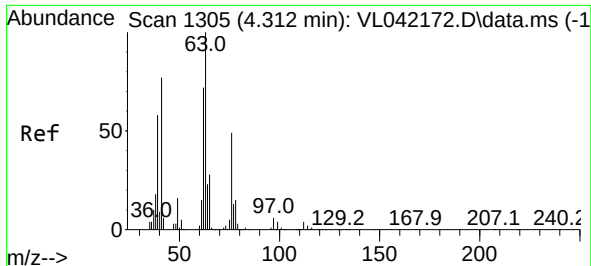
Tgt Ion: 62 Resp: 273137
Ion Ratio Lower Upper
62 100
98 6.3 5.4 8.2



#38
Trichloroethene
Concen: 9.452 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. 0.029 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion:130 Resp: 179999
Ion Ratio Lower Upper
130 100
95 109.7 89.8 134.8
132 91.5 77.4 116.2
97 71.6 55.1 82.7





#39

1,2-Dichloropropane

Concen: 9.212 ppbv

RT: 4.338 min Scan# 11

Delta R.T. 0.026 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

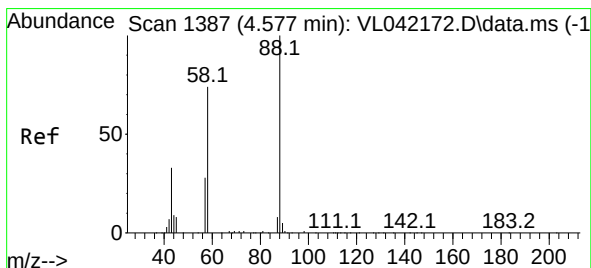
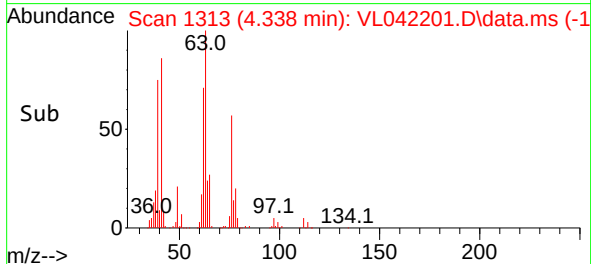
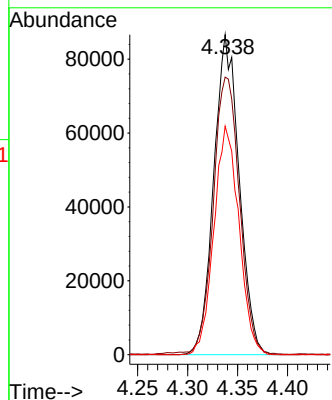
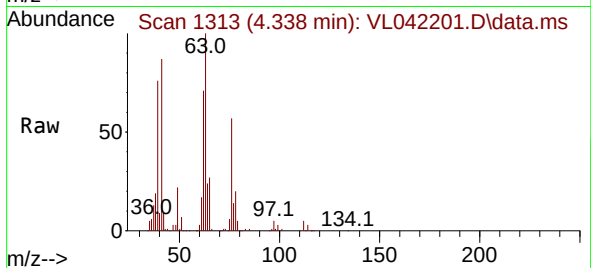
Tgt Ion: 63 Resp: 153124

Ion Ratio Lower Upper

63 100

41 86.5 61.7 92.5

62 71.4 57.6 86.4



#40

1,4-Dioxane

Concen: 5.282 ppbv

RT: 4.613 min Scan# 1398

Delta R.T. 0.036 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Tgt Ion: 88 Resp: 46600

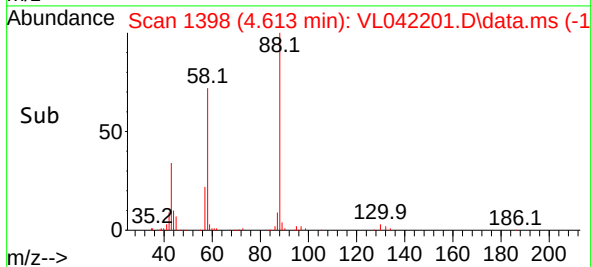
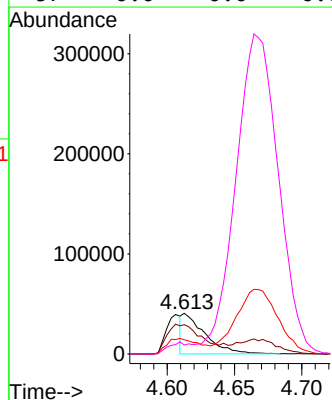
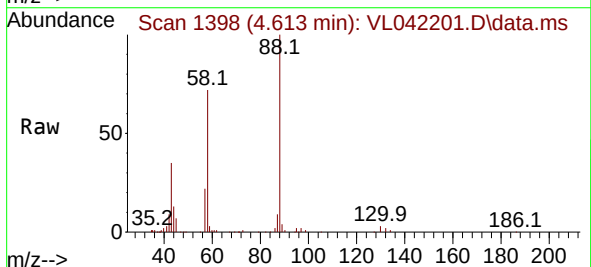
Ion Ratio Lower Upper

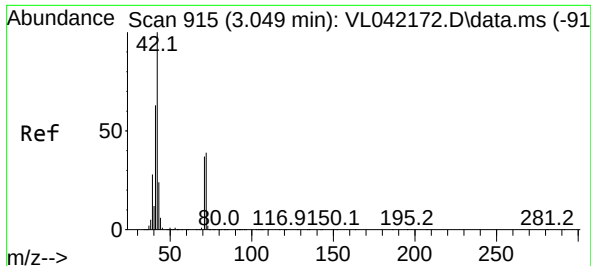
88 100

58 0.0 62.7 94.1#

43 56.5 23.0 34.4#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 8.886 ppbv

RT: 3.069 min Scan# 915

Delta R.T. 0.019 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

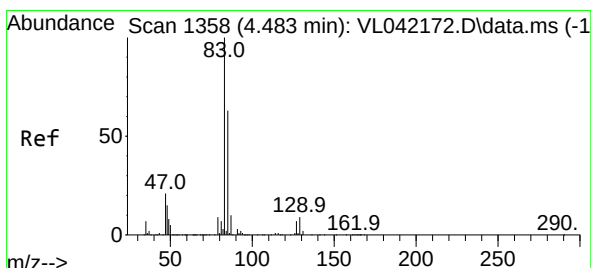
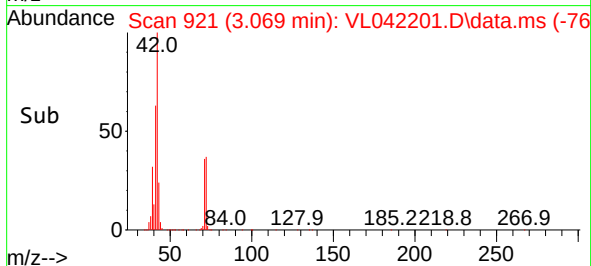
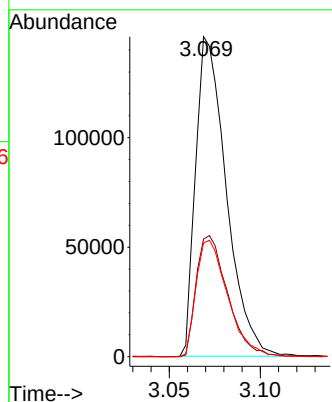
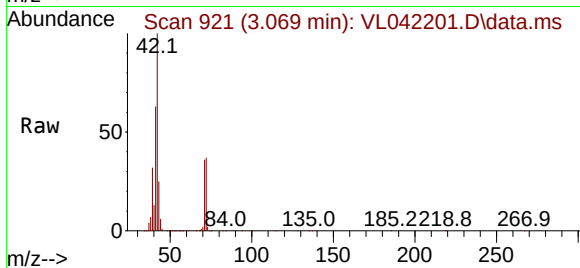
Tgt Ion: 42 Resp: 170829

Ion Ratio Lower Upper

42 100

72 38.9 31.4 47.0

71 37.7 30.2 45.4



#42

Bromodichloromethane

Concen: 10.365 ppbv

RT: 4.516 min Scan# 1368

Delta R.T. 0.032 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

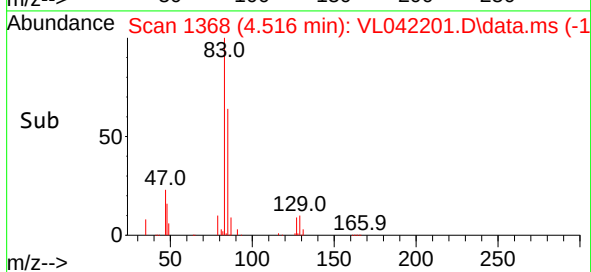
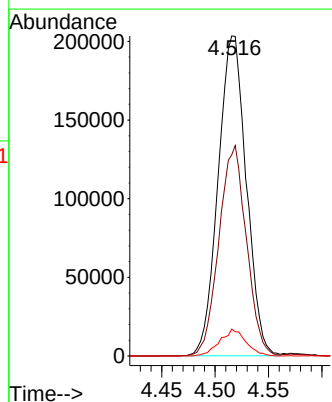
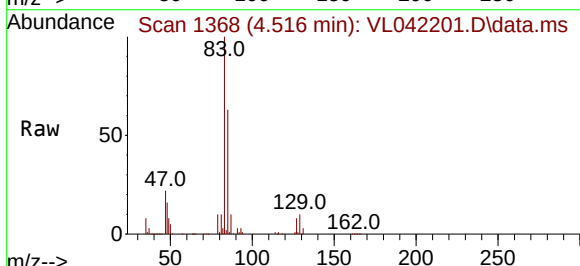
Tgt Ion: 83 Resp: 373399

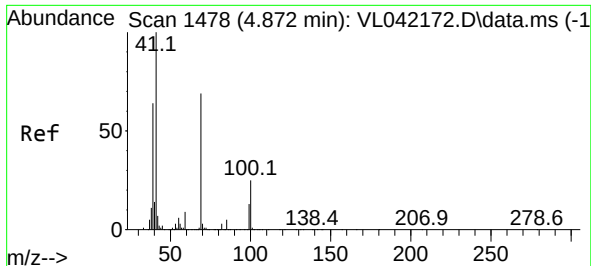
Ion Ratio Lower Upper

83 100

85 62.9 50.5 75.7

127 8.4 5.9 8.9





#43

Methyl Methacrylate

Concen: 8.814 ppbv

RT: 4.907 min Scan# 1414

Delta R.T. 0.036 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

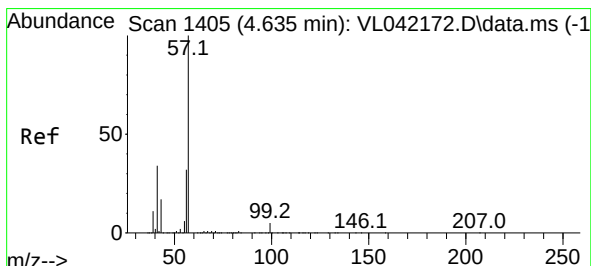
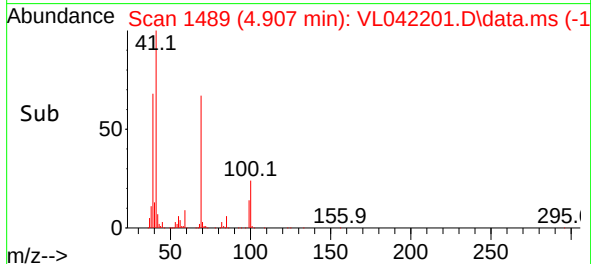
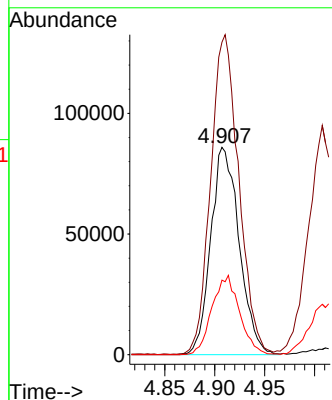
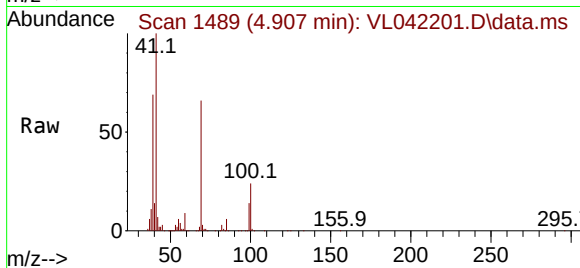
Tgt Ion: 69 Resp: 170312

Ion Ratio Lower Upper

69 100

41 152.5 123.8 185.6

100 37.0 28.4 42.6



#44

2,2,4-Trimethylpentane

Concen: 9.143 ppbv

RT: 4.664 min Scan# 1414

Delta R.T. 0.029 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

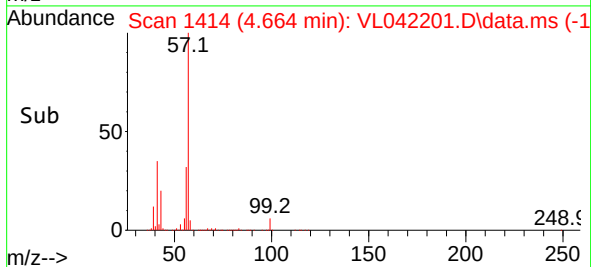
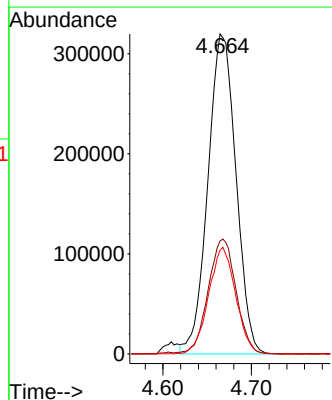
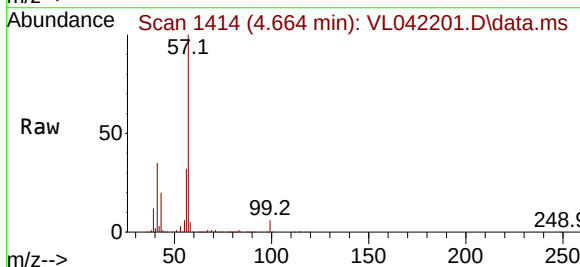
Tgt Ion: 57 Resp: 705253

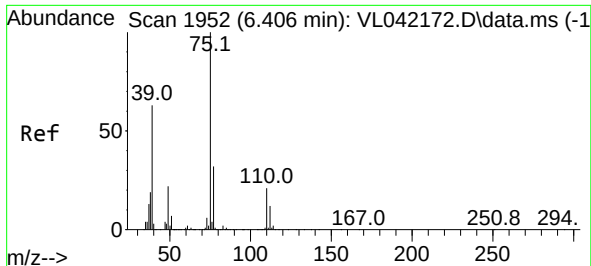
Ion Ratio Lower Upper

57 100

41 36.1 26.8 40.2

56 32.2 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 9.167 ppbv

RT: 6.445 min Scan# 1952

Delta R.T. 0.039 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

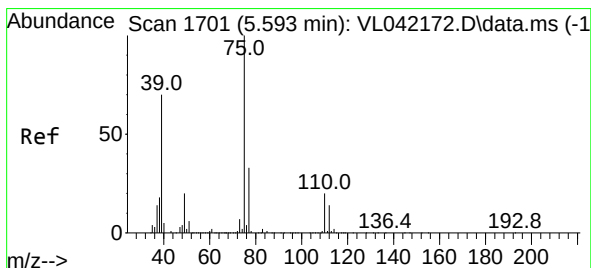
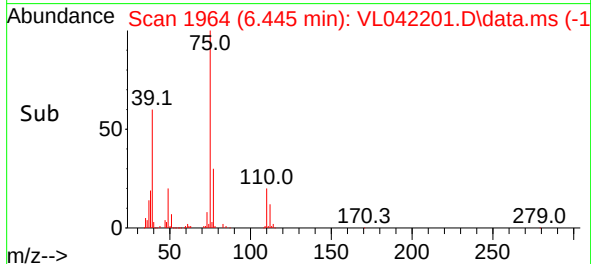
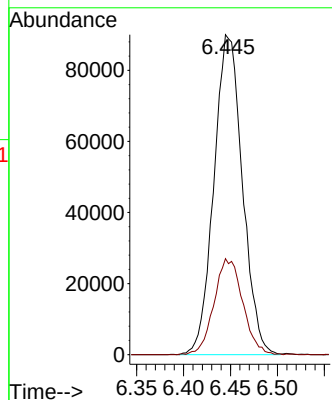
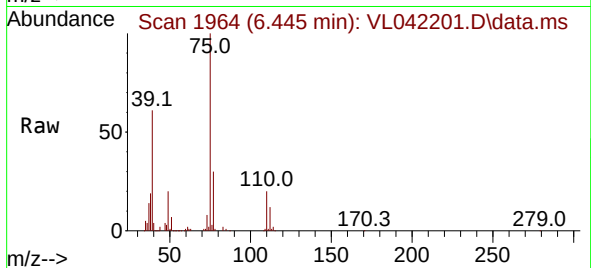
VSTDCCC010

Tgt Ion: 75 Resp: 190040

Ion Ratio Lower Upper

75 100

77 30.0 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 9.158 ppbv

RT: 5.632 min Scan# 1713

Delta R.T. 0.039 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

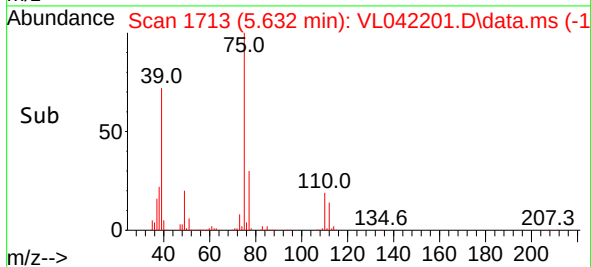
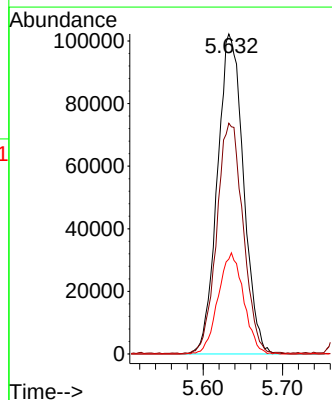
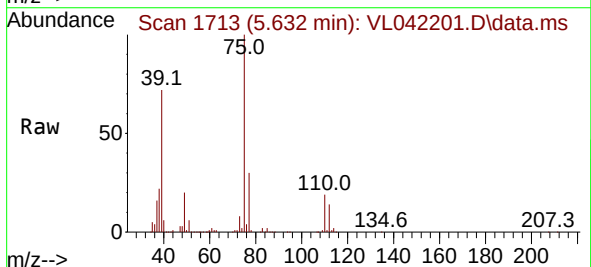
Tgt Ion: 75 Resp: 232713

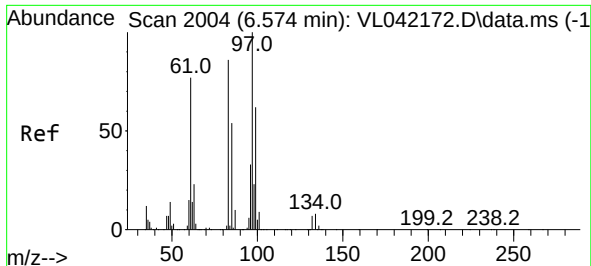
Ion Ratio Lower Upper

75 100

39 72.0 55.8 83.6

77 29.7 26.0 39.0

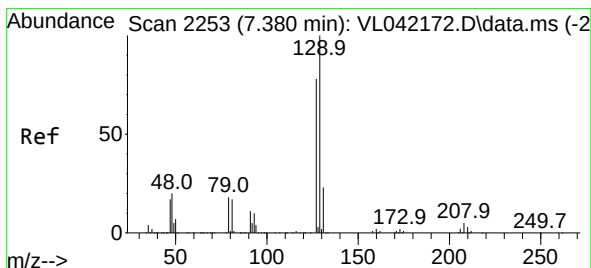
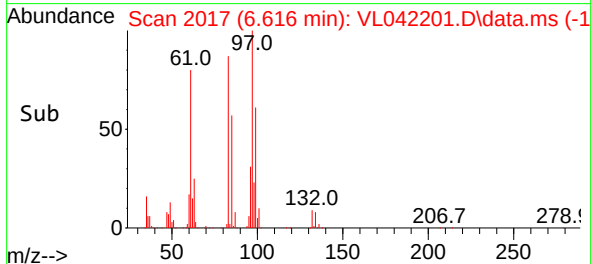
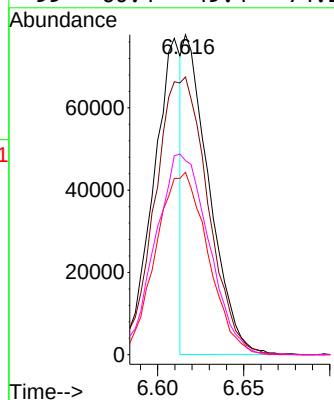
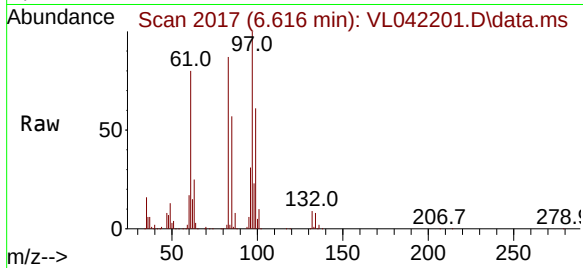




#47
1,1,2-Trichloroethane
Concen: 4.620 ppbv
RT: 6.616 min Scan# 2004
Delta R.T. 0.042 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

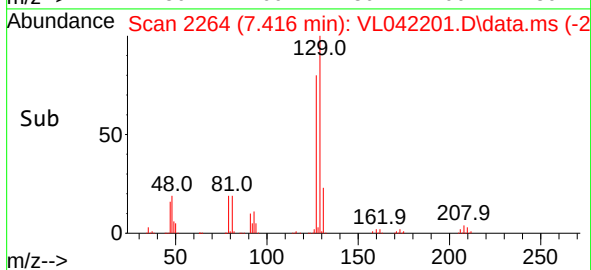
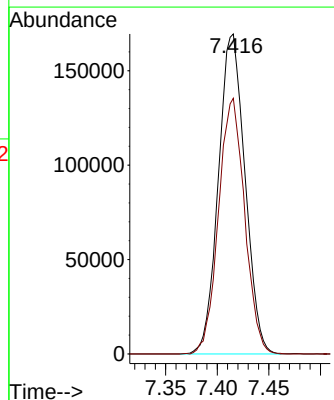
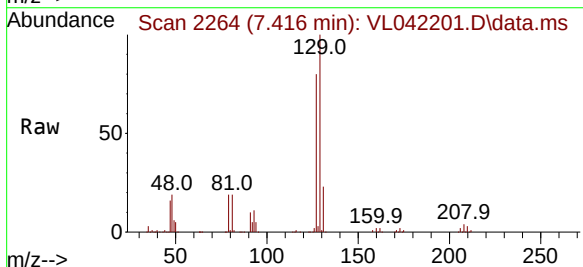
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

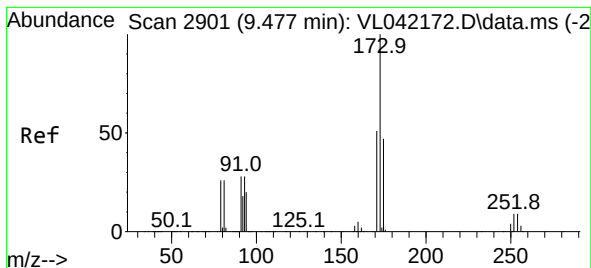
Tgt Ion:	97	Resp:	81186
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.2	103.8
85	57.1	43.1	64.7
99	60.4	49.4	74.2



#48
Dibromochloromethane
Concen: 10.186 ppbv
RT: 7.416 min Scan# 2264
Delta R.T. 0.036 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion:	129	Resp:	303330
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.2





#49

Bromoform

Concen: 9.780 ppbv

RT: 9.503 min Scan# 2901

Delta R.T. 0.026 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

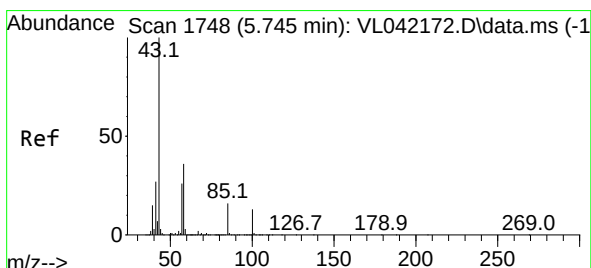
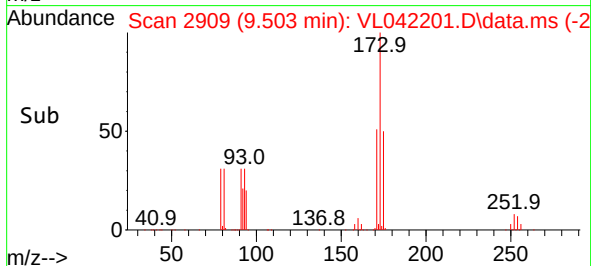
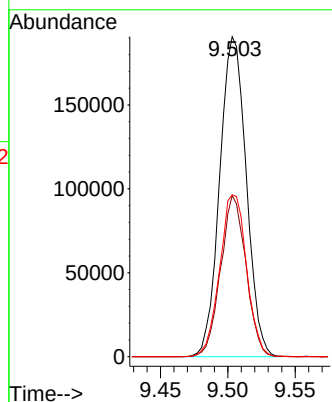
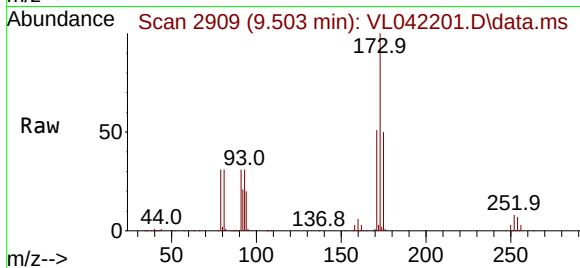
Tgt Ion:173 Resp: 261484

Ion Ratio Lower Upper

173 100

175 47.9 38.6 57.8

171 51.3 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 8.261 ppbv

RT: 5.791 min Scan# 1762

Delta R.T. 0.045 min

Lab File: VL042201.D

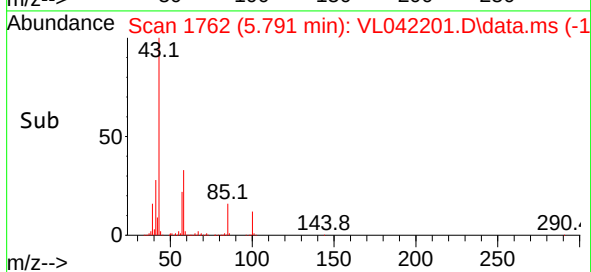
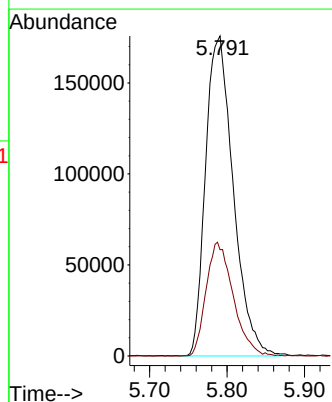
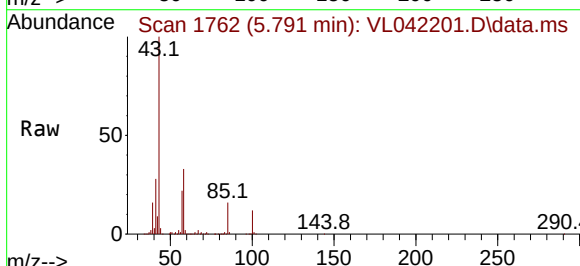
Acq: 31 Mar 2025 08:51

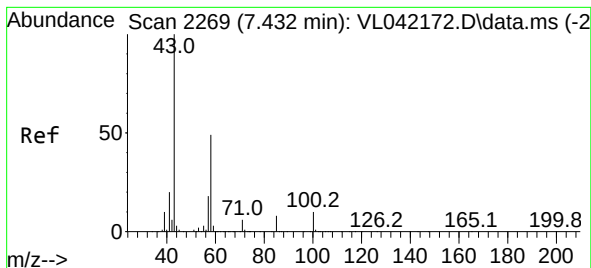
Tgt Ion: 43 Resp: 437050

Ion Ratio Lower Upper

43 100

58 34.8 29.0 43.6





#51

2-Hexanone

Concen: 8.093 ppbv

RT: 7.464 min Scan# 21

Delta R.T. 0.032 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

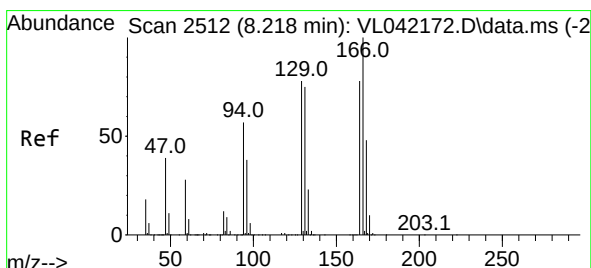
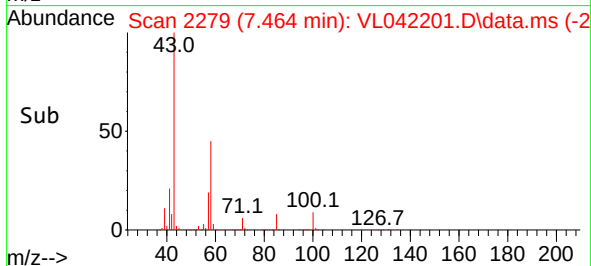
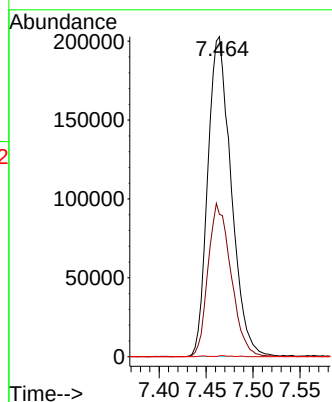
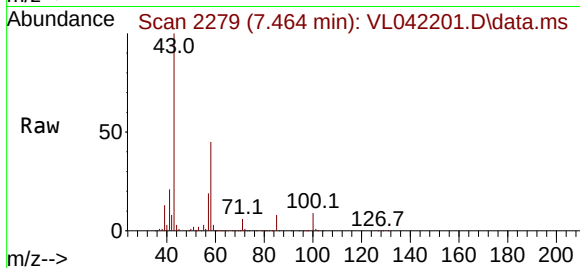
Tgt Ion: 43 Resp: 351622

Ion Ratio Lower Upper

43 100

58 47.0 39.7 59.5

98 0.3 0.1 0.1#



#52

Tetrachloroethene

Concen: 8.574 ppbv

RT: 8.247 min Scan# 2521

Delta R.T. 0.029 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Tgt Ion:164 Resp: 155203

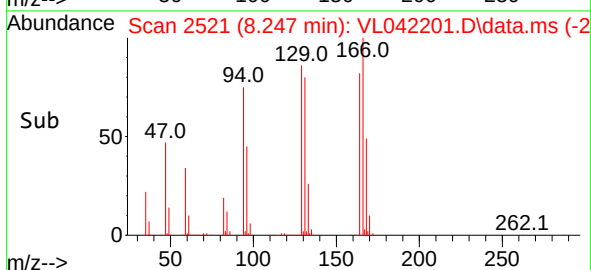
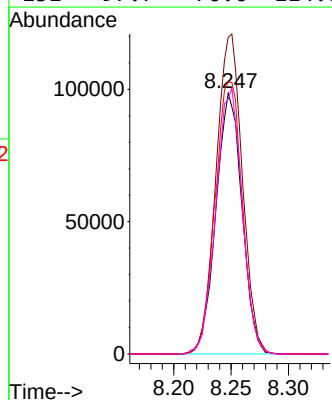
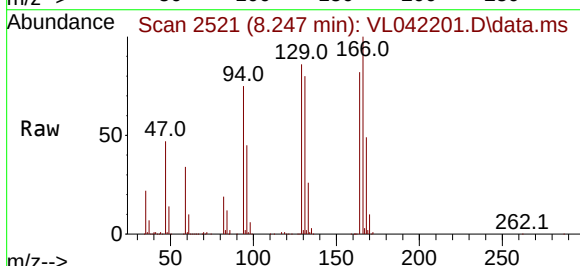
Ion Ratio Lower Upper

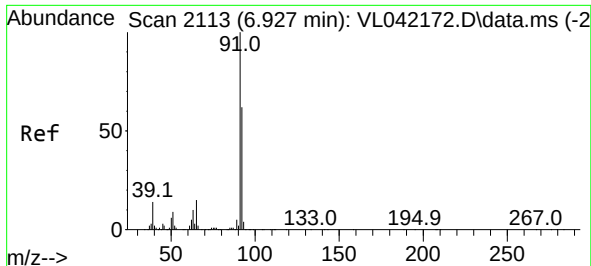
164 100

166 121.4 102.5 153.7

129 104.3 79.8 119.8

131 97.7 76.6 114.8

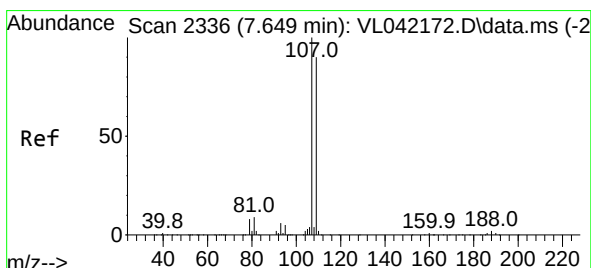
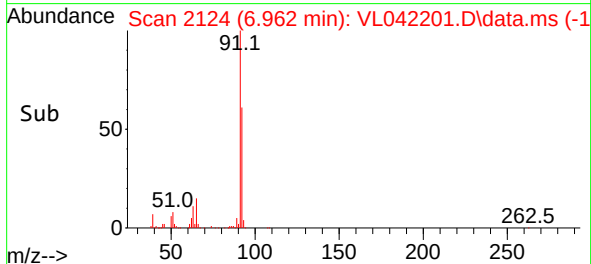
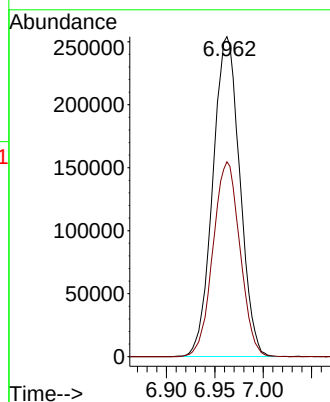
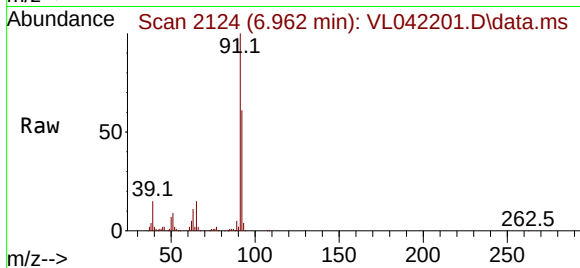




#53
Toluene
Concen: 9.106 ppbv
RT: 6.962 min Scan# 2113
Delta R.T. 0.036 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

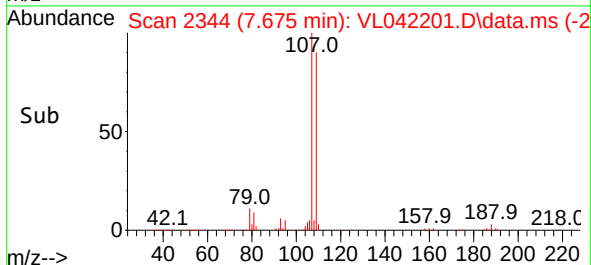
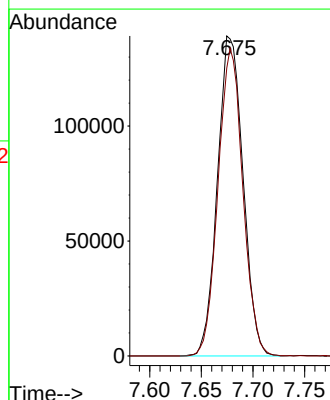
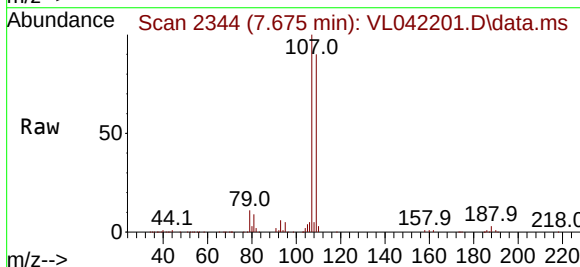
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

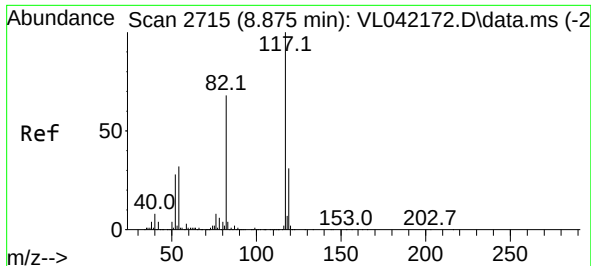
Tgt Ion: 91 Resp: 492717
Ion Ratio Lower Upper
91 100
92 60.9 48.4 72.6



#54
1,2-Dibromoethane
Concen: 9.771 ppbv
RT: 7.675 min Scan# 2344
Delta R.T. 0.026 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 107 Resp: 239347
Ion Ratio Lower Upper
107 100
109 90.0 72.2 108.4

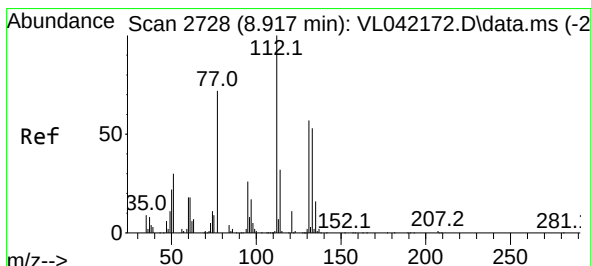
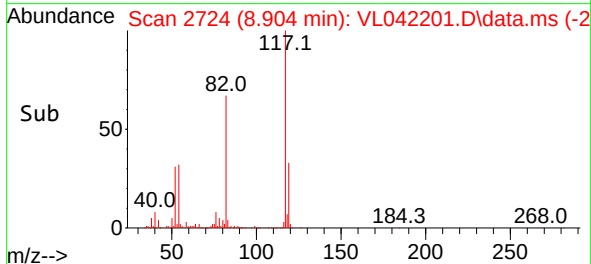
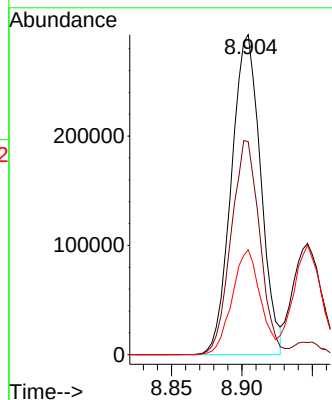
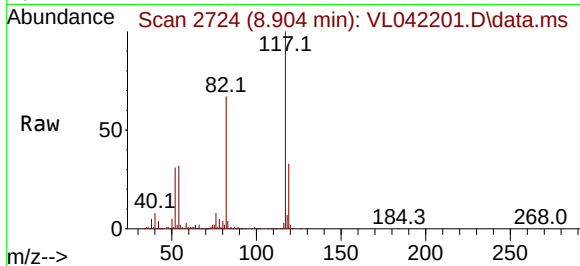




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

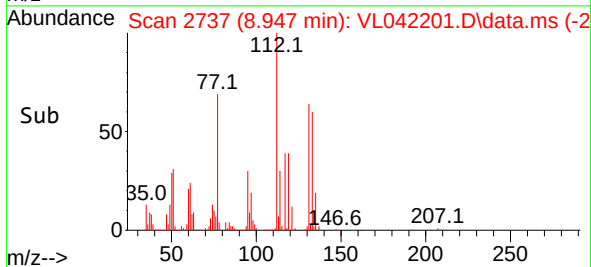
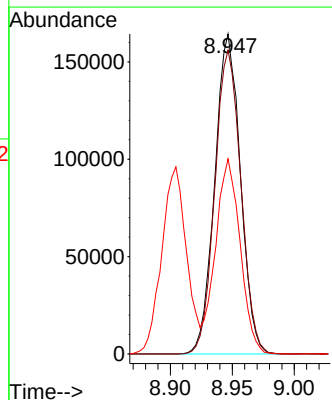
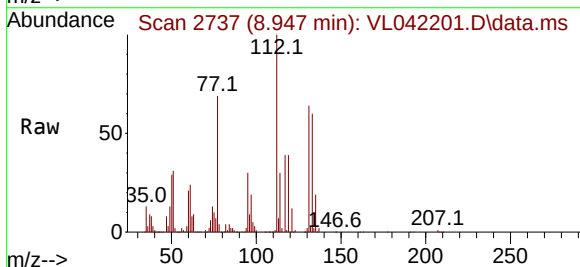
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

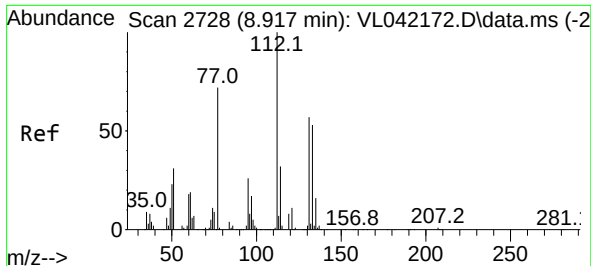
Tgt Ion:117 Resp: 424671
Ion Ratio Lower Upper
117 100
82 69.3 55.8 83.6
119 31.7 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 10.136 ppbv
RT: 8.947 min Scan# 2737
Delta R.T. 0.029 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion:131 Resp: 236930
Ion Ratio Lower Upper
131 100
133 96.5 76.6 114.8
119 60.1 49.8 74.6





#57

Chlorobenzene

Concen: 9.669 ppbv

RT: 8.943 min Scan# 21

Delta R.T. 0.026 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

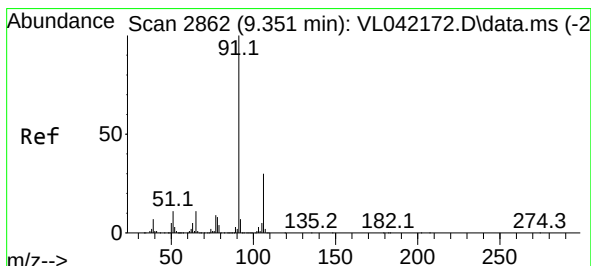
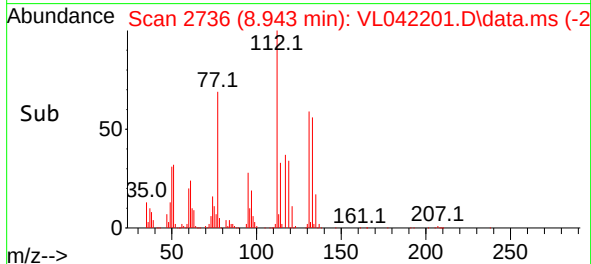
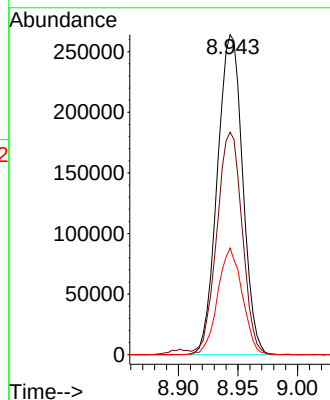
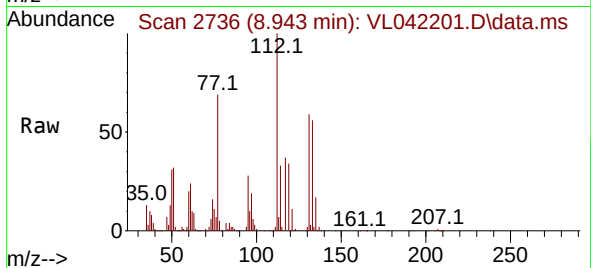
Tgt Ion:112 Resp: 389475

Ion Ratio Lower Upper

112 100

77 69.5 58.2 87.2

114 33.4 29.1 35.5



#58

Ethyl Benzene

Concen: 9.446 ppbv

RT: 9.374 min Scan# 2869

Delta R.T. 0.023 min

Lab File: VL042201.D

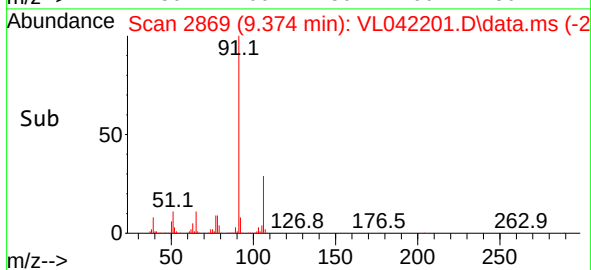
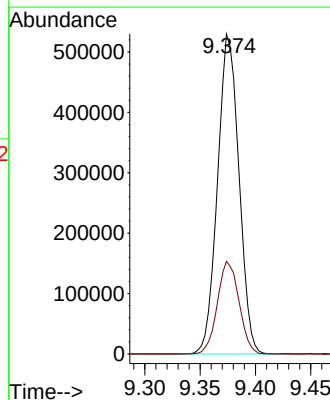
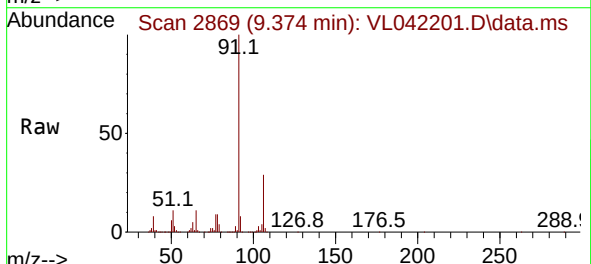
Acq: 31 Mar 2025 08:51

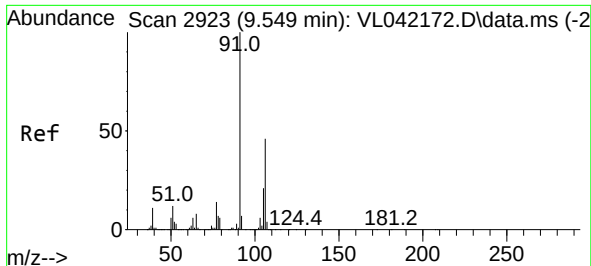
Tgt Ion: 91 Resp: 712533

Ion Ratio Lower Upper

91 100

106 29.0 24.2 36.2





#59

m/p-Xylene

Concen: 9.197 ppbv

RT: 9.571 min Scan# 29

Delta R.T. 0.023 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

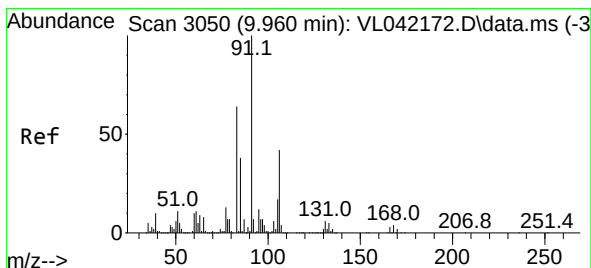
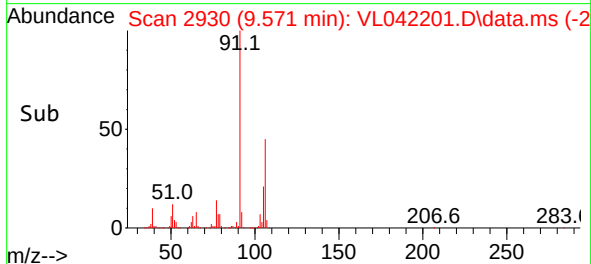
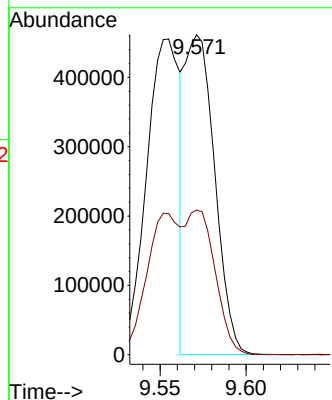
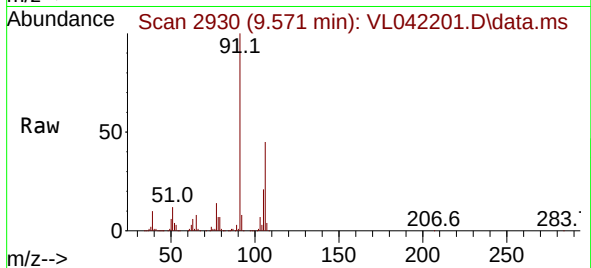
VSTDCCC010

Tgt Ion: 91 Resp: 553998

Ion Ratio Lower Upper

91 100

106 95.0 36.4 54.6#



#60

o-Xylene

Concen: 9.526 ppbv

RT: 9.986 min Scan# 3058

Delta R.T. 0.026 min

Lab File: VL042201.D

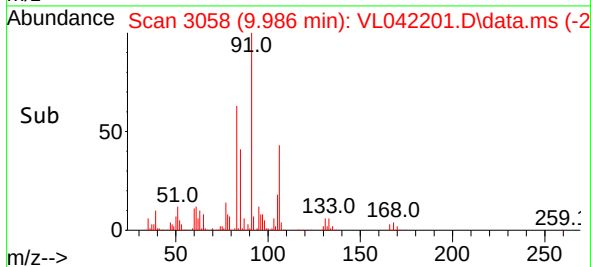
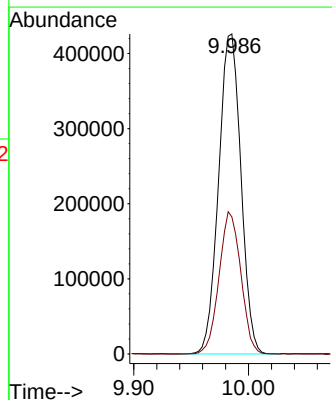
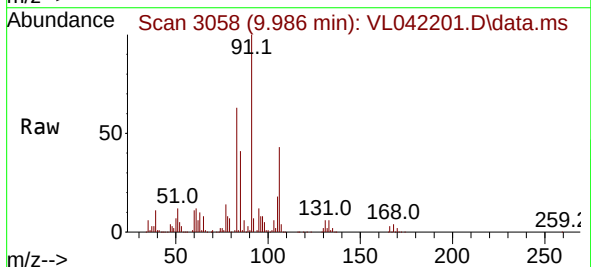
Acq: 31 Mar 2025 08:51

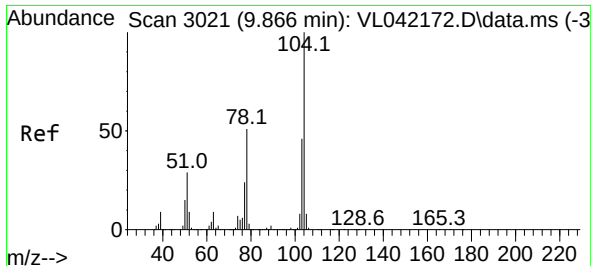
Tgt Ion: 91 Resp: 575224

Ion Ratio Lower Upper

91 100

106 43.3 20.8 62.5





#61

Styrene

Concen: 9.424 ppbv

RT: 9.892 min Scan# 3021

Delta R.T. 0.026 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

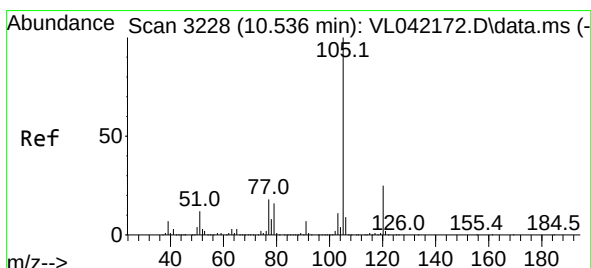
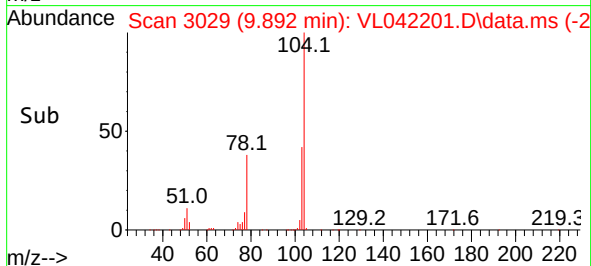
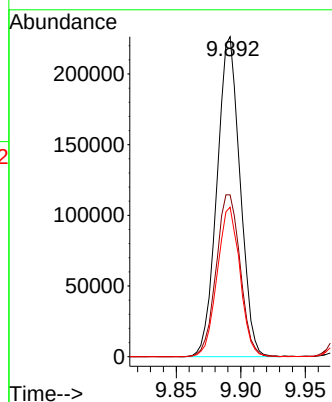
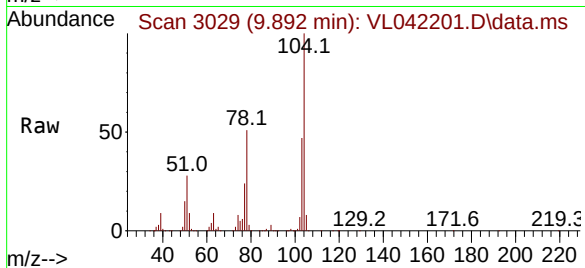
Tgt Ion:104 Resp: 281518

Ion Ratio Lower Upper

104 100

78 52.6 41.8 62.6

103 46.2 37.0 55.4



#62

Isopropylbenzene

Concen: 9.689 ppbv

RT: 10.558 min Scan# 3235

Delta R.T. 0.023 min

Lab File: VL042201.D

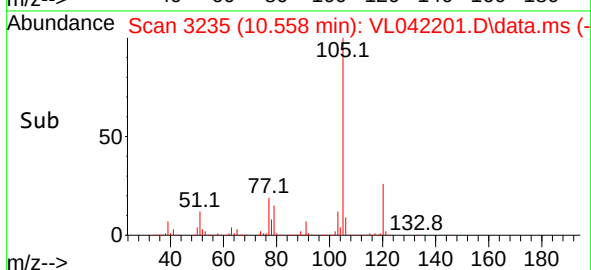
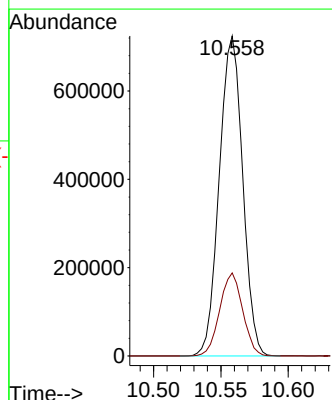
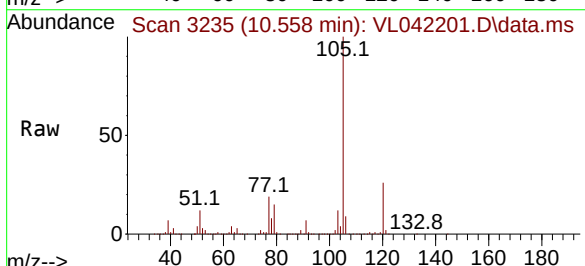
Acq: 31 Mar 2025 08:51

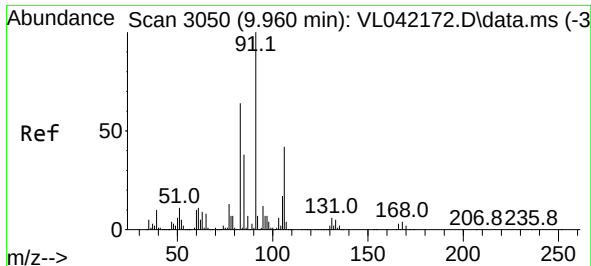
Tgt Ion:105 Resp: 874894

Ion Ratio Lower Upper

105 100

120 25.4 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 9.518 ppbv

RT: 9.982 min Scan# 3050

Delta R.T. 0.023 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

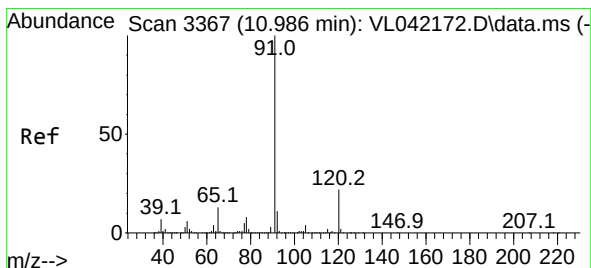
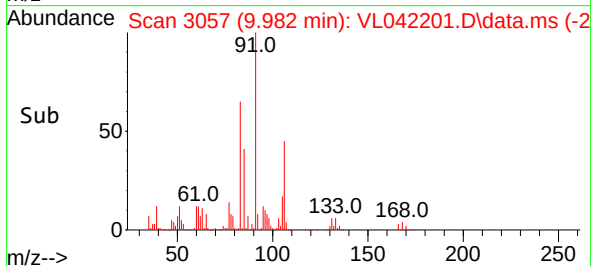
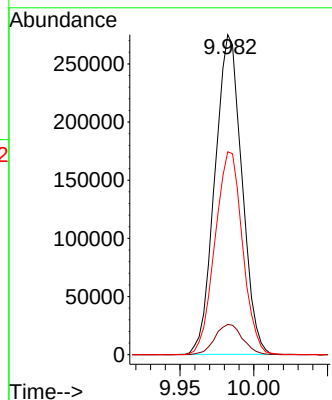
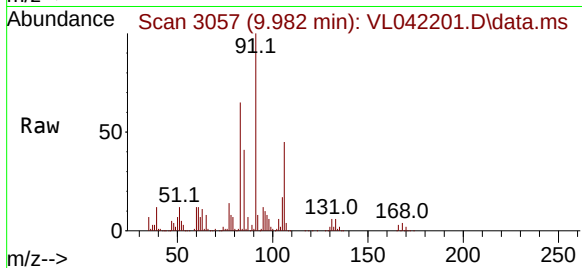
Tgt Ion: 83 Resp: 349199

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

85 64.9 32.5 97.5



#64

n-propylbenzene

Concen: 9.826 ppbv

RT: 11.008 min Scan# 3374

Delta R.T. 0.023 min

Lab File: VL042201.D

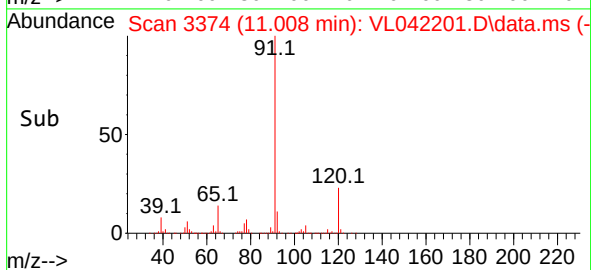
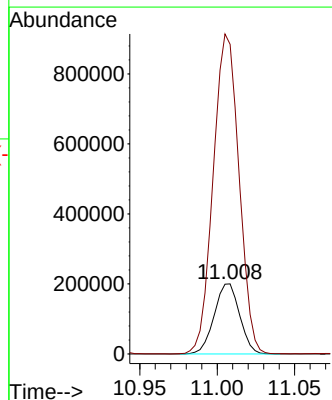
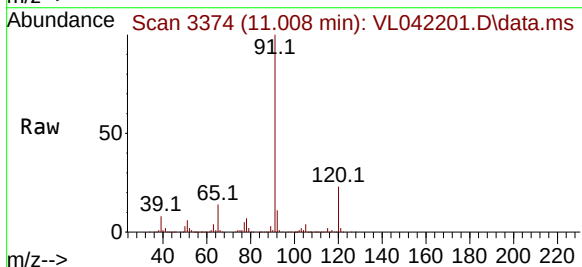
Acq: 31 Mar 2025 08:51

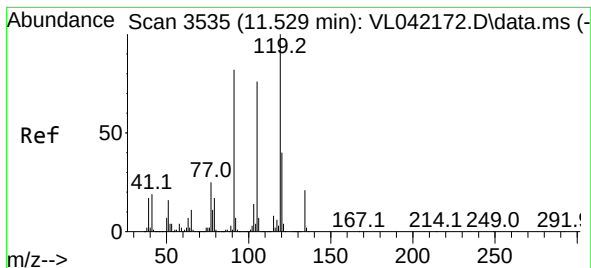
Tgt Ion: 120 Resp: 228400

Ion Ratio Lower Upper

120 100

91 463.7 376.9 565.3





#65

tert-Butylbenzene

Concen: 9.526 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. 0.019 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

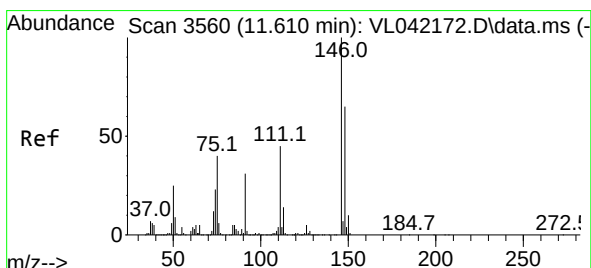
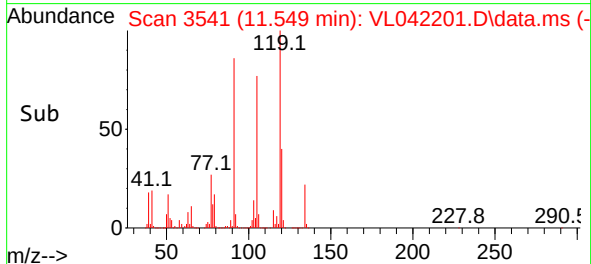
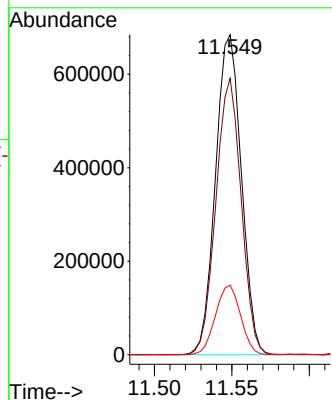
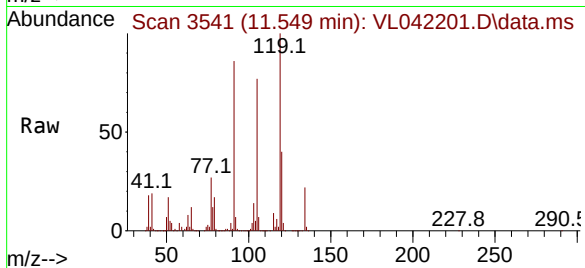
Tgt Ion:119 Resp: 795482

Ion Ratio Lower Upper

119 100

91 84.5 66.0 99.0

134 21.1 16.7 25.1



#66

Benzyl Chloride

Concen: 8.185 ppbv

RT: 11.633 min Scan# 3567

Delta R.T. 0.023 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

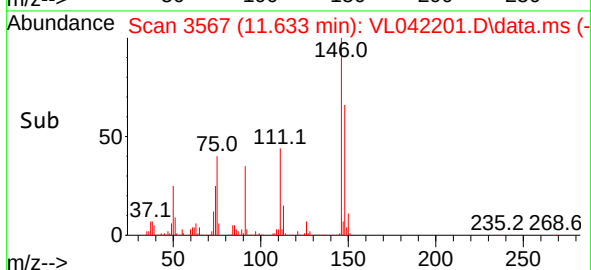
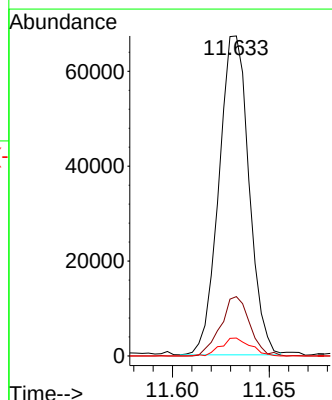
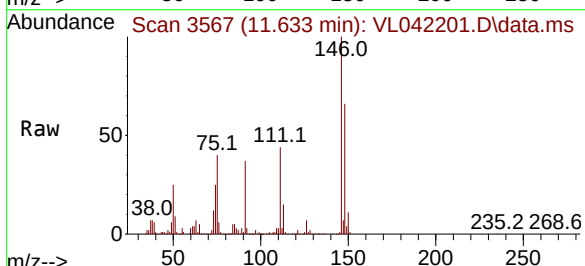
Tgt Ion: 91 Resp: 72526

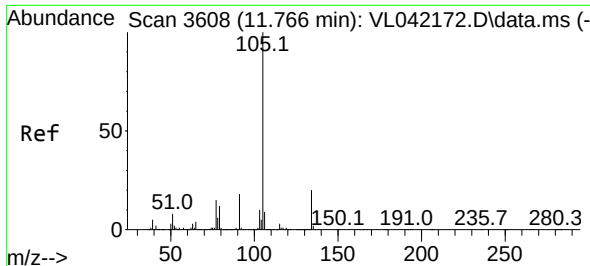
Ion Ratio Lower Upper

91 100

126 18.0 13.8 20.6

128 5.6 4.5 6.7

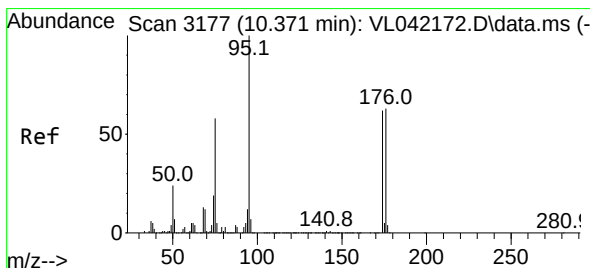
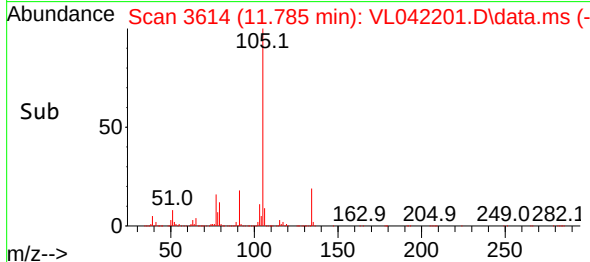
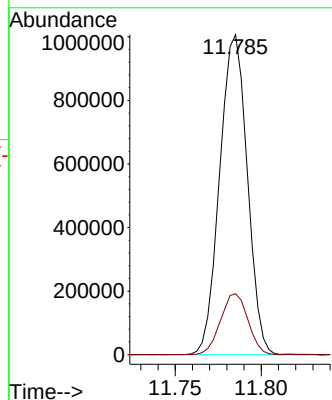
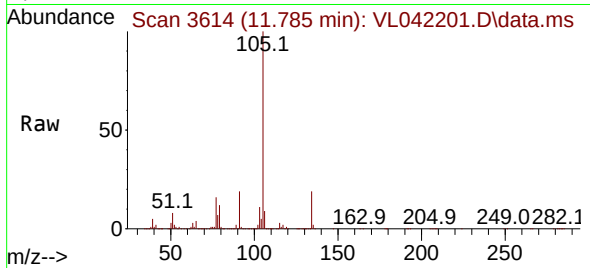




#67
 sec-Butylbenzene
 Concen: 9.677 ppbv
 RT: 11.785 min Scan# 3184
 Delta R.T. 0.019 min
 Lab File: VL042201.D
 Acq: 31 Mar 2025 08:51

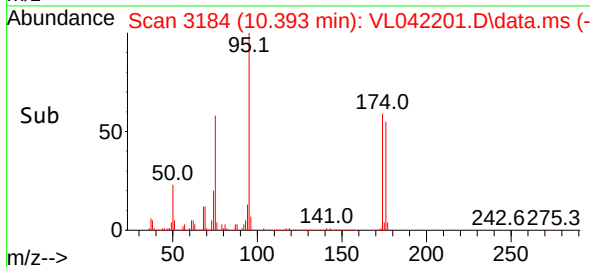
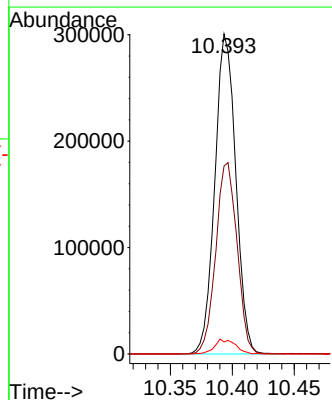
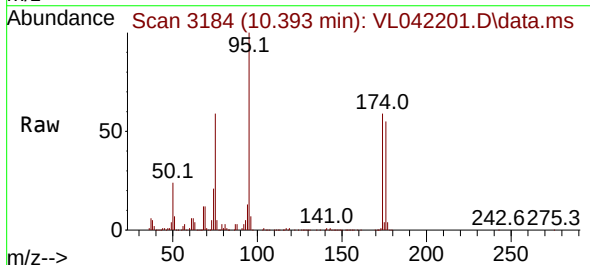
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

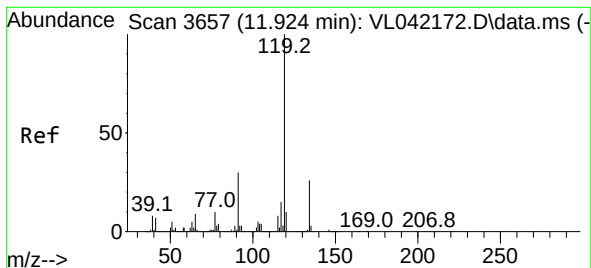
Tgt Ion:105 Resp: 1123267
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.190 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.023 min
 Lab File: VL042201.D
 Acq: 31 Mar 2025 08:51

Tgt Ion: 95 Resp: 355372
 Ion Ratio Lower Upper
 95 100
 174 60.6 50.6 76.0
 175 4.6 3.8 5.6

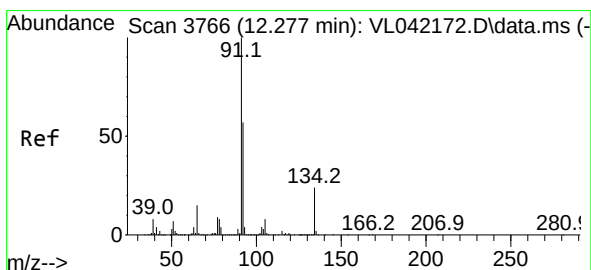
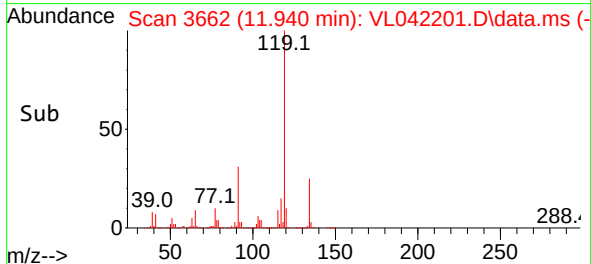
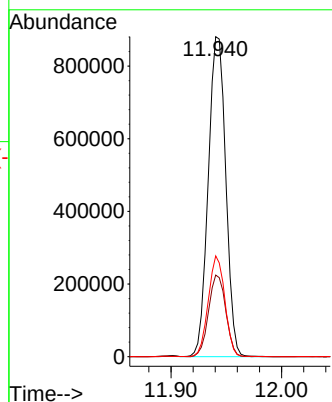
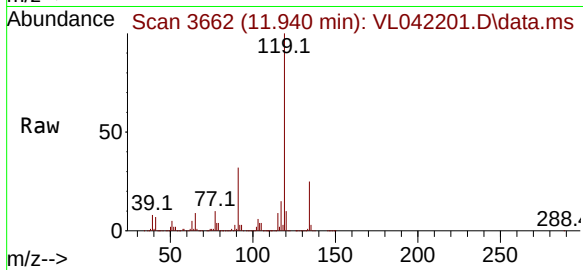




#69
 p-Isopropyltoluene
 Concen: 9.684 ppbv
 RT: 11.940 min Scan# 30
 Delta R.T. 0.016 min
 Lab File: VL042201.D
 Acq: 31 Mar 2025 08:51

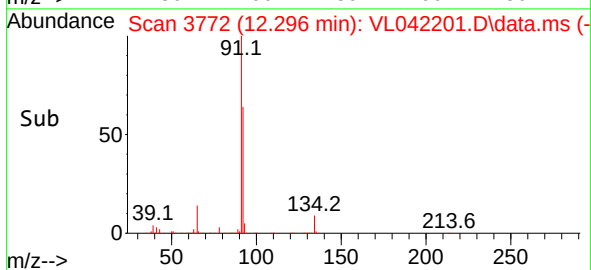
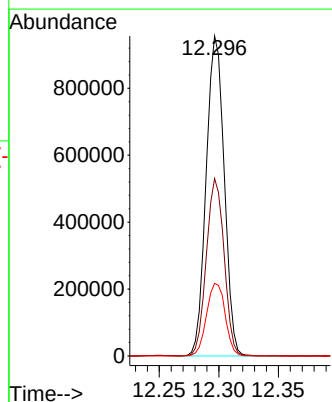
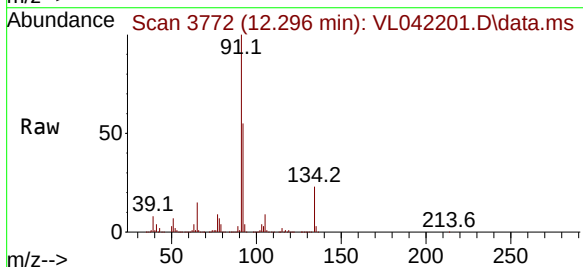
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

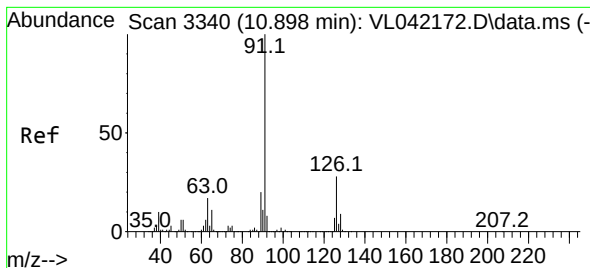
Tgt Ion:119 Resp: 967912
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.4 30.6
 91 30.0 23.7 35.5



#70
 n-Butylbenzene
 Concen: 9.850 ppbv
 RT: 12.296 min Scan# 3772
 Delta R.T. 0.019 min
 Lab File: VL042201.D
 Acq: 31 Mar 2025 08:51

Tgt Ion: 91 Resp: 1006907
 Ion Ratio Lower Upper
 91 100
 92 54.8 44.9 67.3
 134 23.4 19.2 28.8

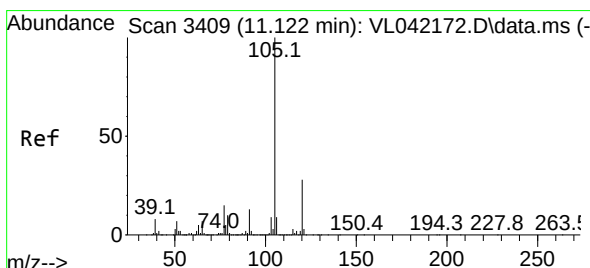
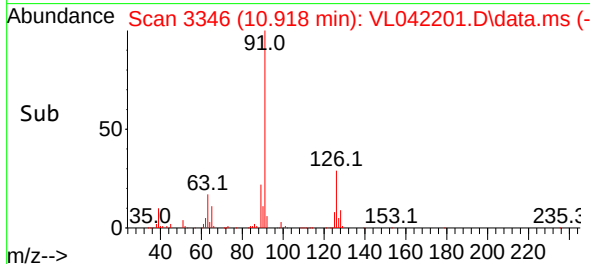
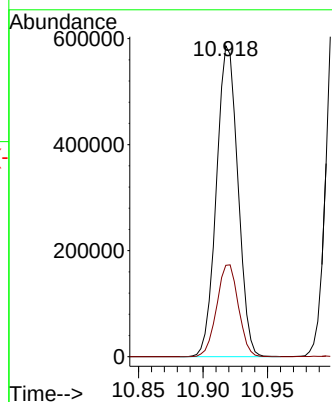
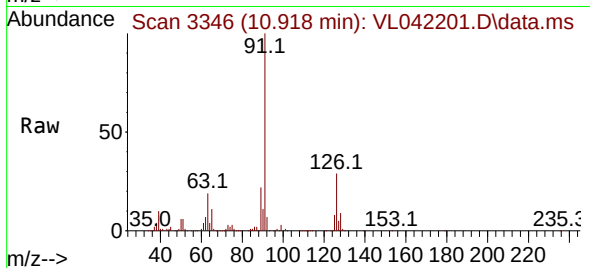




#71
2-Chlorotoluene
Concen: 9.652 ppbv
RT: 10.918 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

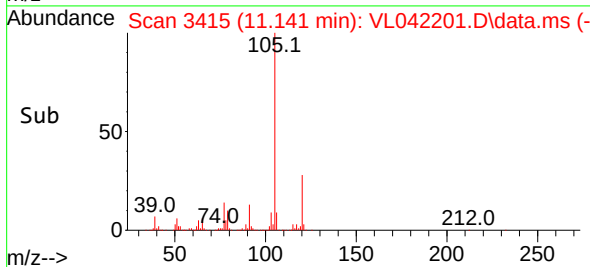
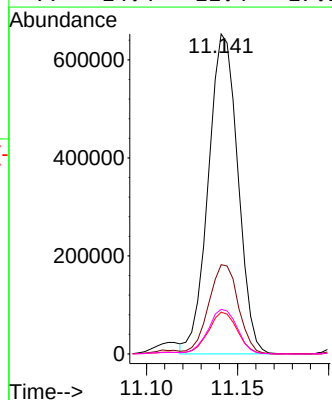
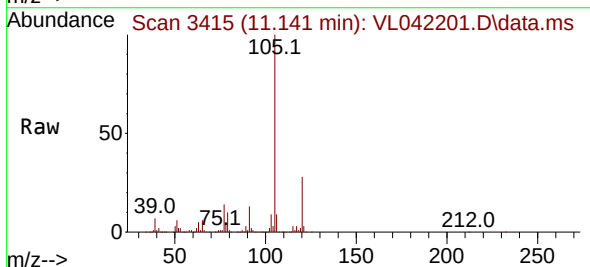
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

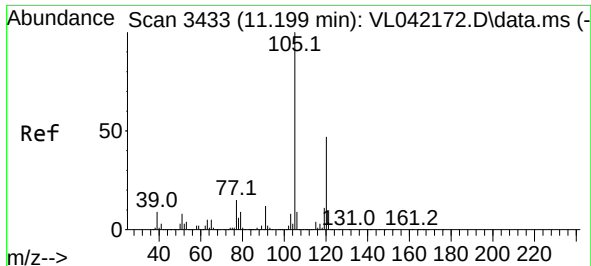
Tgt Ion: 91 Resp: 676396
Ion Ratio Lower Upper
91 100
126 29.8 11.6 46.4



#72
4-Ethyltoluene
Concen: 9.775 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion: 105 Resp: 734909
Ion Ratio Lower Upper
105 100
120 29.2 23.4 35.0
91 13.3 10.3 15.5
77 14.4 11.4 17.2

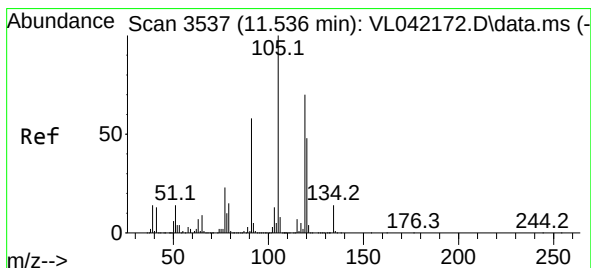
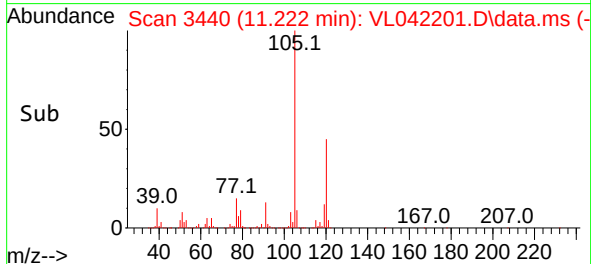
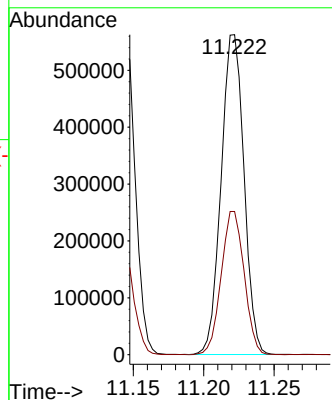
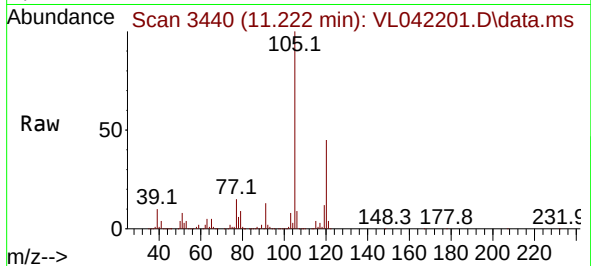




#73
1,3,5-Trimethylbenzene
Concen: 9.709 ppbv
RT: 11.222 min Scan# 3433
Delta R.T. 0.023 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

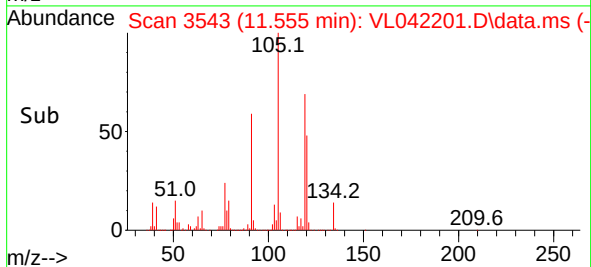
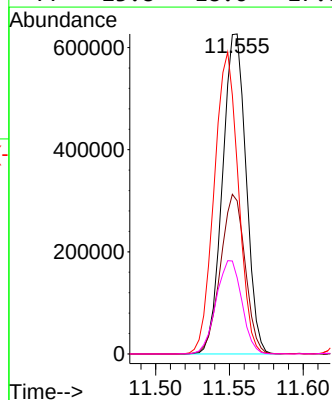
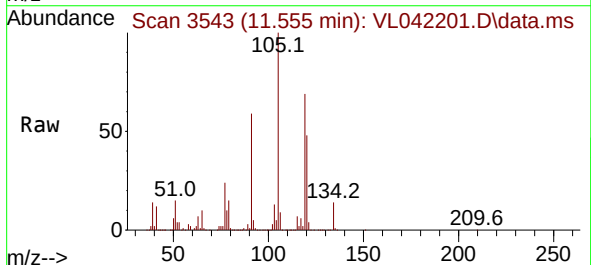
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

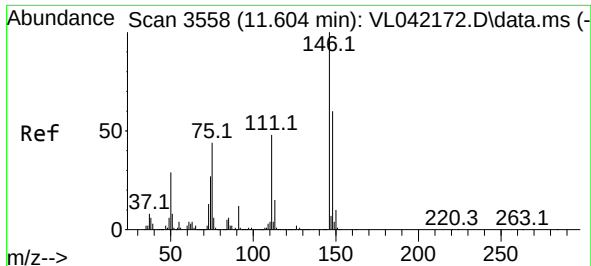
Tgt Ion:105 Resp: 637499
Ion Ratio Lower Upper
105 100
120 44.7 37.4 56.0



#74
1,2,4-Trimethylbenzene
Concen: 9.202 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. 0.019 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion:105 Resp: 696079
Ion Ratio Lower Upper
105 100
120 47.8 38.6 58.0
91 59.0 46.2 69.2
77 23.8 18.6 27.8

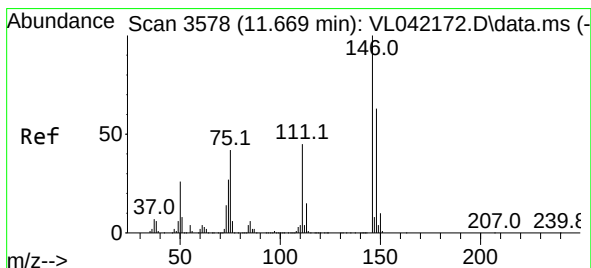
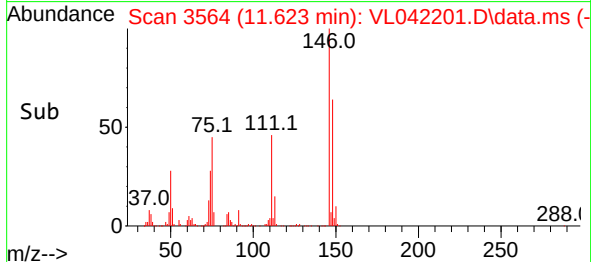
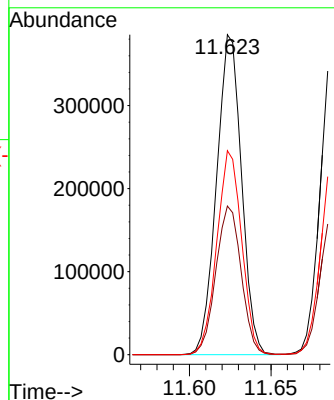
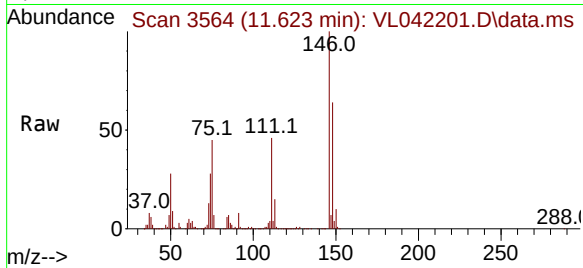




#75
1,3-Dichlorobenzene
Concen: 9.895 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.019 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

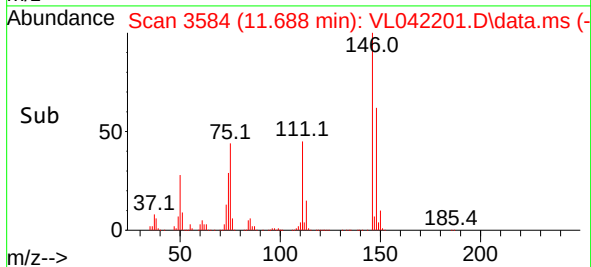
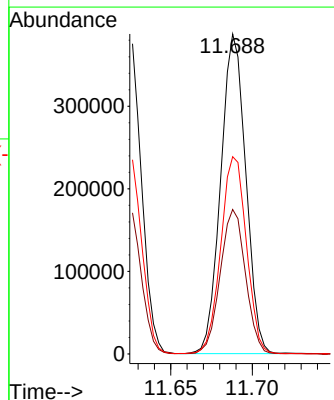
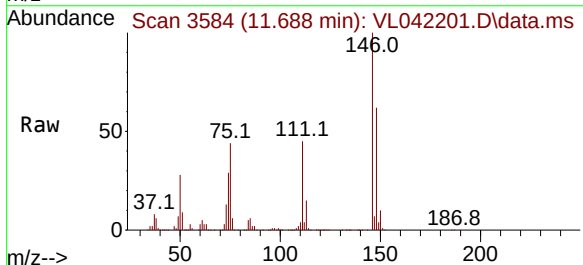
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

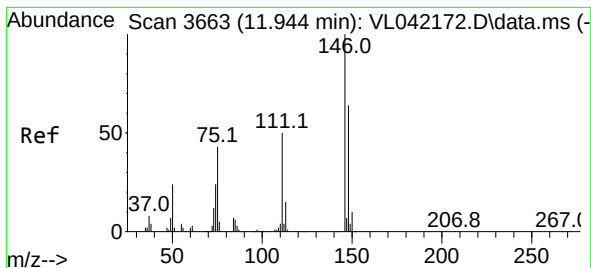
Tgt Ion:146 Resp: 410546
Ion Ratio Lower Upper
146 100
111 47.1 23.8 71.2
148 63.5 31.9 95.9



#76
1,4-Dichlorobenzene
Concen: 10.014 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.019 min
Lab File: VL042201.D
Acq: 31 Mar 2025 08:51

Tgt Ion:146 Resp: 413478
Ion Ratio Lower Upper
146 100
111 45.8 23.0 69.0
148 63.5 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 9.887 ppbv

RT: 11.963 min Scan# 3

Delta R.T. 0.019 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

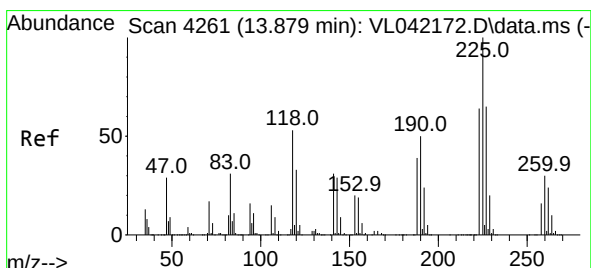
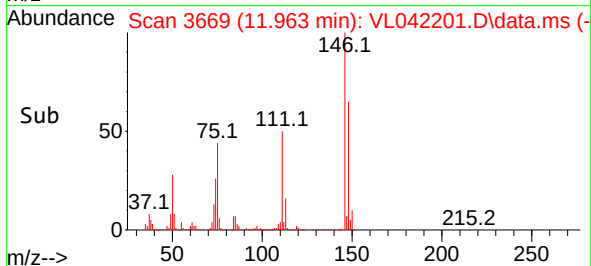
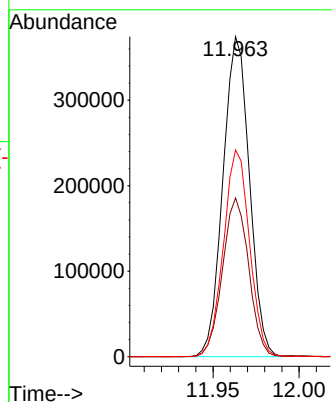
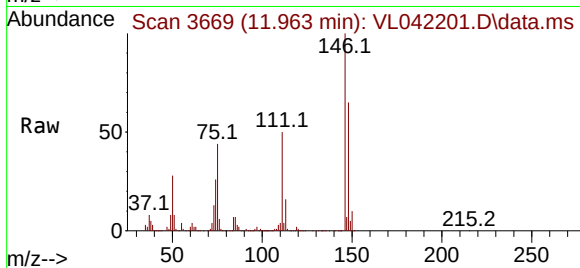
Tgt Ion:146 Resp: 399386

Ion Ratio Lower Upper

146 100

111 49.4 24.8 74.3

148 64.0 31.6 94.8



#78

Hexachloro-1,3-Butadiene

Concen: 8.395 ppbv

RT: 13.895 min Scan# 4266

Delta R.T. 0.016 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

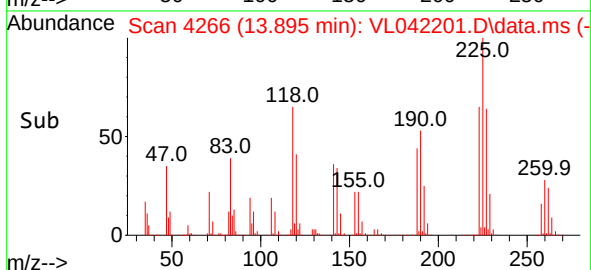
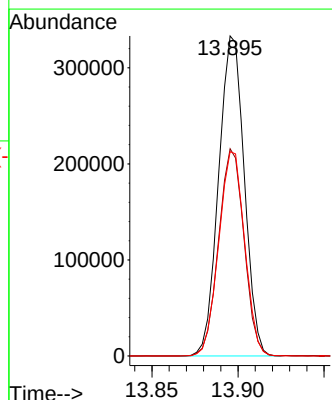
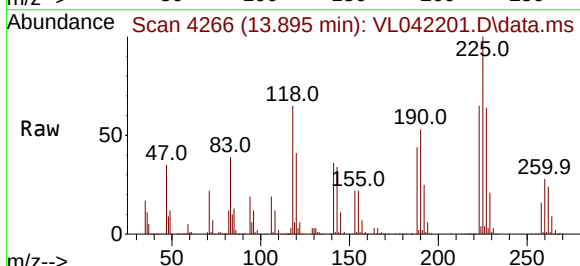
Tgt Ion:225 Resp: 345217

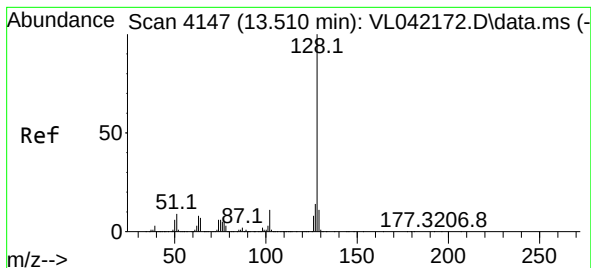
Ion Ratio Lower Upper

225 100

223 64.1 50.6 76.0

227 64.4 51.2 76.8





#79

Naphthalene

Concen: 10.072 ppbv

RT: 13.530 min Scan# 4147

Delta R.T. 0.019 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

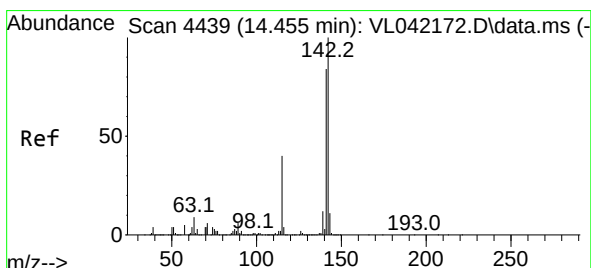
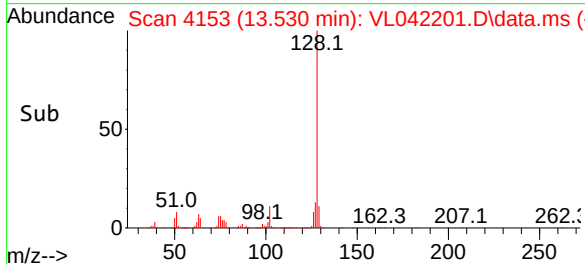
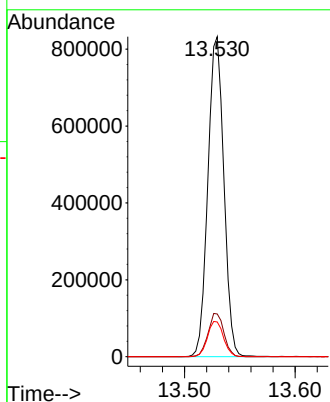
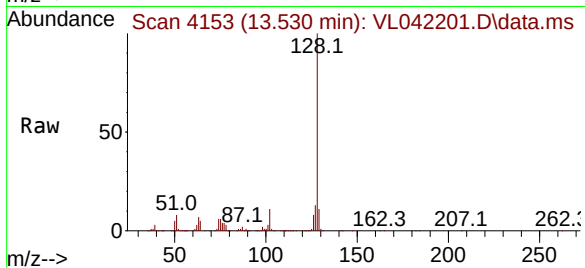
Tgt Ion:128 Resp: 833346

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 10.9 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 10.537 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. 0.016 min

Lab File: VL042201.D

Acq: 31 Mar 2025 08:51

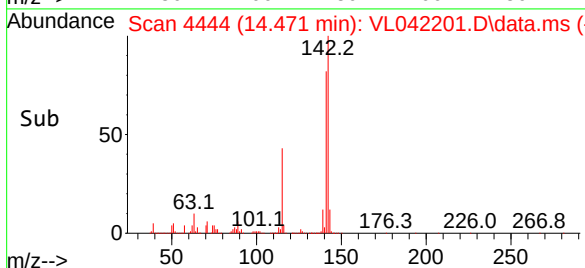
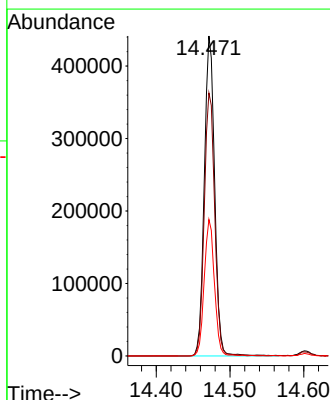
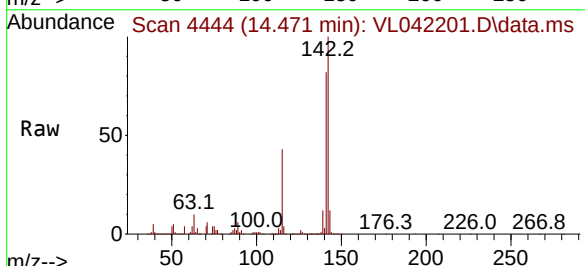
Tgt Ion:142 Resp: 427563

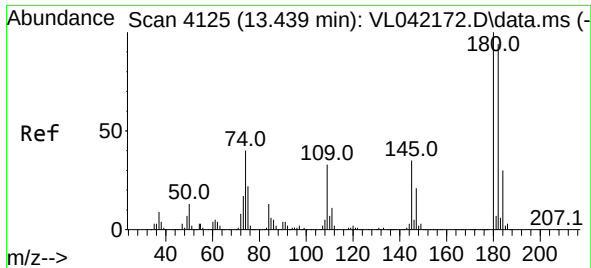
Ion Ratio Lower Upper

142 100

141 84.2 66.3 99.5

115 42.4 31.6 47.4





#81

1,2,4-Trichlorobenzene

Concen: 9.779 ppbv

RT: 13.455 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL042201.D

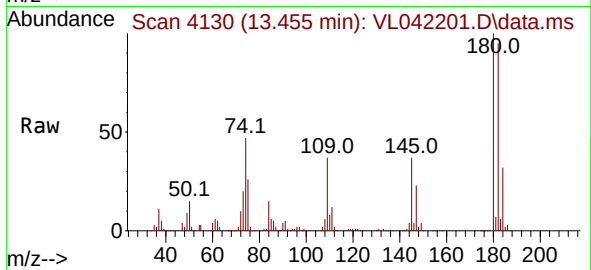
Acq: 31 Mar 2025 08:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 373226

Ion Ratio Lower Upper

180 100

182 95.8 75.1 112.7

184 30.5 24.4 36.6

