

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042150.D
 Acq On : 17 Mar 2025 09:55
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Mar 18 01:21:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	167493	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	395790	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	337104	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	286841	11.060	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	184928	10.618	ppbv	98
3) Chlorodifluoromethane	1.480	51	220495	9.058	ppbv	99
4) Chloromethane	1.538	50	72484	11.254	ppbv	100
5) Vinyl Chloride	1.583	62	68484	11.241	ppbv	96
6) Bromomethane	1.674	94	32623	11.245	ppbv	98
7) Chloroethane	1.709	64	26650	10.766	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	159560	11.144	ppbv	98
9) Propene	1.489	41	87298	8.803	ppbv	98
10) Heptane	5.001	43	250907	8.126	ppbv	100
11) Trichlorofluoromethane	1.884	101	201429	11.542	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.146	101	143413	10.302	ppbv	97
13) Ethanol	1.729	45	6795	10.794	ppbv	93
14) Bromoethene	1.787	108	53205	10.823	ppbv	98
15) Acetone	1.842	43	154356	10.436	ppbv	98
16) 1,3-Butadiene	1.615	39	73169	10.630	ppbv	98
17) tert-Butyl alcohol	2.049	59	169215	9.144	ppbv	99
18) 1,1-Dichloroethene	2.043	96	64914	10.320	ppbv	99
19) Isopropyl Alcohol	1.894	45	85293	10.039	ppbv #	36
20) Methylene Chloride	2.069	84	66711	11.923	ppbv	96
21) Allyl Chloride	2.104	41	105215	9.845	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	70772	9.652	ppbv	98
23) Vinyl Acetate	2.473	43	85199	8.192	ppbv #	96
24) 1,1-Dichloroethane	2.418	63	143507	10.518	ppbv	99
25) Ethyl Acetate	2.849	43	522573	8.826	ppbv	99
26) Hexane	2.839	57	215056	8.985	ppbv	97
27) Carbon Disulfide	2.159	76	168859	10.407	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	106277	8.918	ppbv	97
29) Chloroform	2.862	83	281634	8.743	ppbv	99
30) Cyclohexane	3.875	84	154902	7.973	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	175545	7.747	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	255298	8.170	ppbv	96
34) 2-Butanone	2.570	43	280367	9.093	ppbv	97
35) Carbon Tetrachloride	3.781	117	267761	9.811	ppbv	96
36) Benzene	3.674	78	370323	8.938	ppbv	98
37) 1,2-Dichloroethane	3.234	62	208967	9.097	ppbv	99
38) Trichloroethene	4.574	130	139636	8.253	ppbv	98
39) 1,2-Dichloropropane	4.334	63	139773	8.888	ppbv	99
40) 1,4-Dioxane	4.609	88	64556	8.992	ppbv #	99
41) Tetrahydrofuran	3.069	42	158186	8.682	ppbv	97
42) Bromodichloromethane	4.512	83	280274	9.055	ppbv	100
43) Methyl Methacrylate	4.904	69	130801	8.084	ppbv	98
44) 2,2,4-Trimethylpentane	4.661	57	671554	9.184	ppbv	98
45) t-1,3-Dichloropropene	6.441	75	115280	7.171	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042150.D
 Acq On : 17 Mar 2025 09:55
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

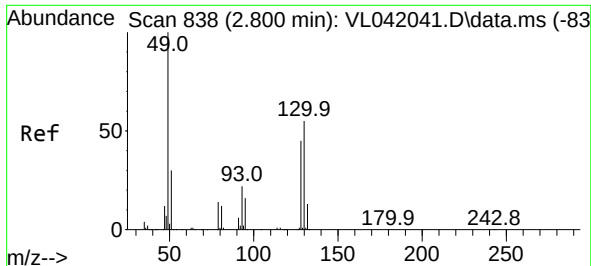
Quant Time: Mar 18 01:21:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	165501	7.956	ppbv	96
47) 1,1,2-Trichloroethane	6.610	97	145150	9.091	ppbv	96
48) Dibromochloromethane	7.409	129	224553	8.980	ppbv	98
49) Bromoform	9.500	173	200168	9.218	ppbv	97
50) 4-Methyl-2-Pentanone	5.784	43	373666	9.370	ppbv	96
51) 2-Hexanone	7.461	43	295520	10.767	ppbv #	95
52) Tetrachloroethene	8.247	164	118316	8.341	ppbv	93
53) Toluene	6.959	91	381354	8.235	ppbv	99
54) 1,2-Dibromoethane	7.678	107	185862	8.611	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.943	131	184992	9.709	ppbv	99
57) Chlorobenzene	8.940	112	331509	9.485	ppbv	98
58) Ethyl Benzene	9.374	91	534526	8.610	ppbv	96
59) m/p-Xylene	9.549	91	453561	9.181	ppbv #	100
60) o-Xylene	9.979	91	462522	9.313	ppbv	99
61) Styrene	9.888	104	197855	8.473	ppbv	97
62) Isopropylbenzene	10.555	105	683249	9.185	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.982	83	329971	10.088	ppbv	99
64) n-propylbenzene	11.005	120	188690	9.671	ppbv	98
65) tert-Butylbenzene	11.546	119	630108	9.308	ppbv	98
66) Benzyl Chloride	11.626	91	45119	8.734	ppbv #	98
67) sec-Butylbenzene	11.782	105	911015	9.410	ppbv	99
69) p-Isopropyltoluene	11.940	119	729864	9.476	ppbv	98
70) n-Butylbenzene	12.293	91	749368	9.531	ppbv	99
71) 2-Chlorotoluene	10.918	91	510373	8.901	ppbv	99
72) 4-Ethyltoluene	11.141	105	565254	9.321	ppbv	99
73) 1,3,5-Trimethylbenzene	11.219	105	475661	9.043	ppbv	100
74) 1,2,4-Trimethylbenzene	11.552	105	555462	9.378	ppbv	94
75) 1,3-Dichlorobenzene	11.623	146	328628	9.640	ppbv	97
76) 1,4-Dichlorobenzene	11.685	146	317775	9.389	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	322801	9.758	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	225792	8.772	ppbv	99
79) Naphthalene	13.526	128	468885	11.545	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	135870	12.224	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	210617	9.305	ppbv	97

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

Quant Time: Mar 18 01:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

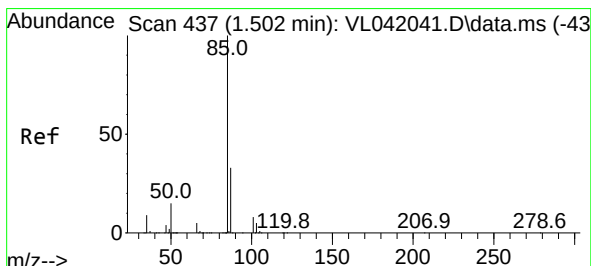
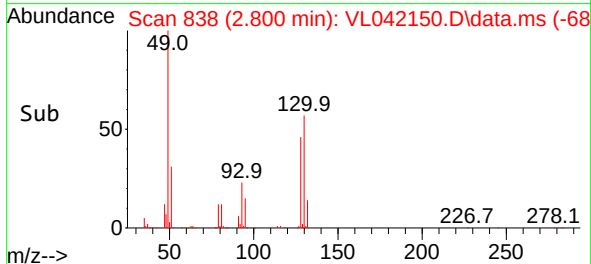
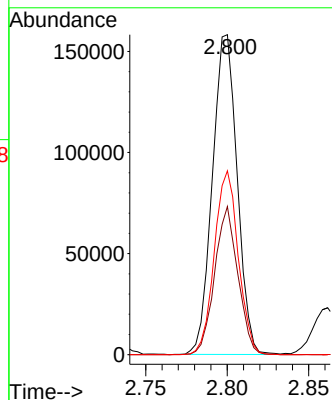
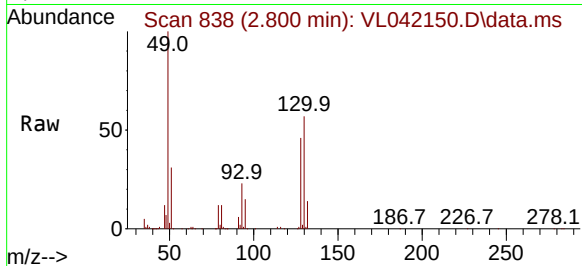




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

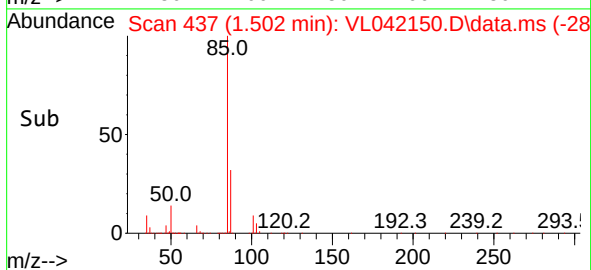
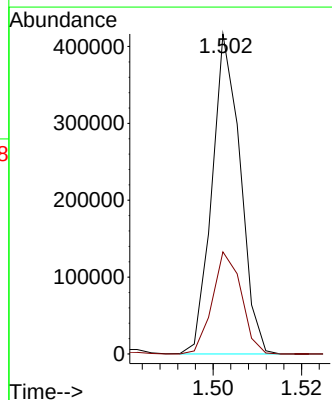
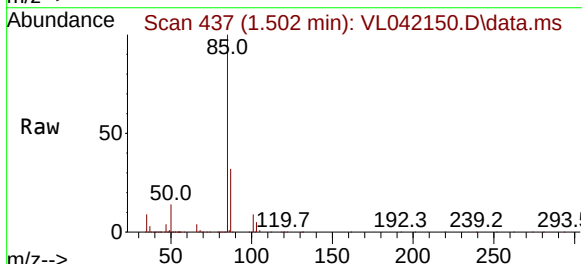
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

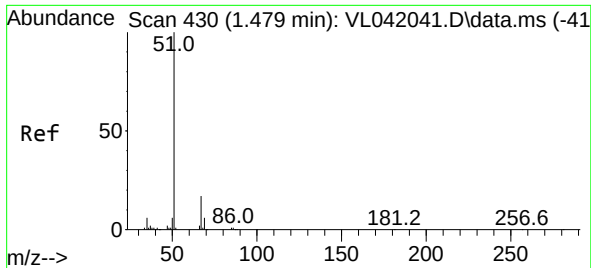
Tgt Ion: 49 Resp: 167493
Ion Ratio Lower Upper
49 100
128 43.3 21.6 64.8
130 55.5 27.8 83.4



#2
Dichlorodifluoromethane
Concen: 10.618 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 85 Resp: 184928
Ion Ratio Lower Upper
85 100
87 31.9 26.4 39.6

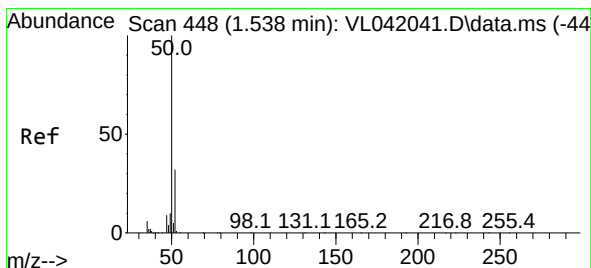
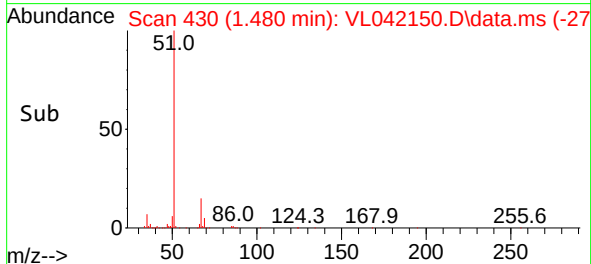
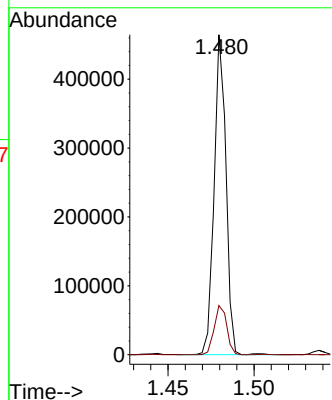
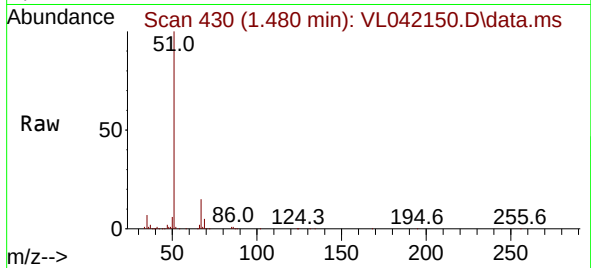




#3
Chlorodifluoromethane
Concen: 9.058 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

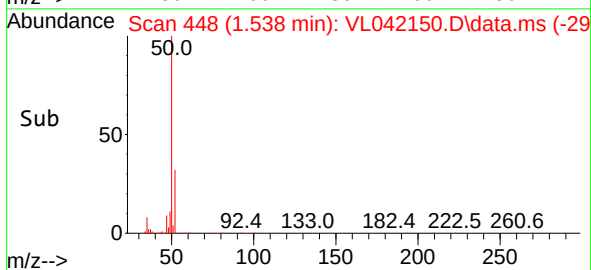
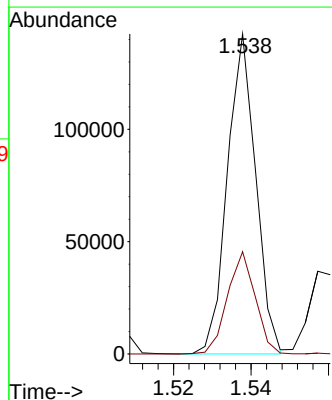
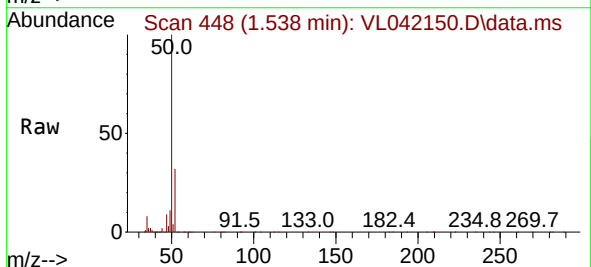
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

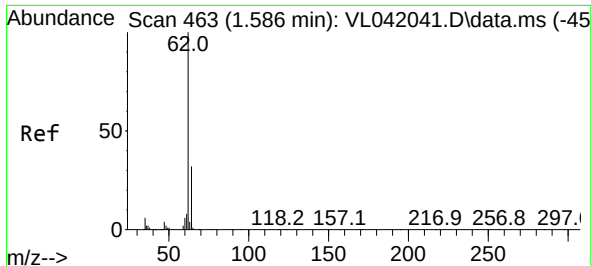
Tgt Ion: 51 Resp: 220495
Ion Ratio Lower Upper
51 100
67 16.5 13.7 20.5



#4
Chloromethane
Concen: 11.254 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 50 Resp: 72484
Ion Ratio Lower Upper
50 100
52 32.0 25.4 38.0

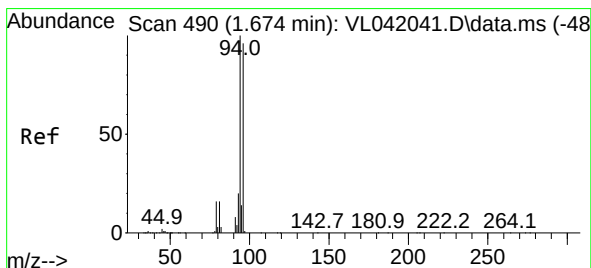
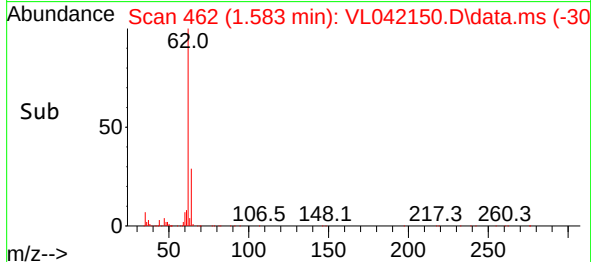
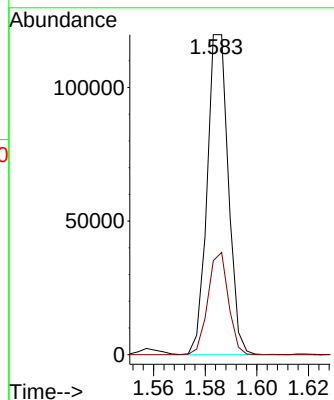
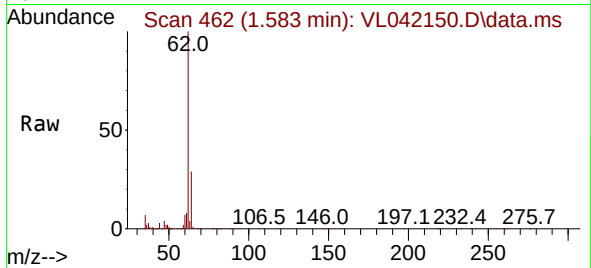




#5
 Vinyl Chloride
 Concen: 11.241 ppbv
 RT: 1.583 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

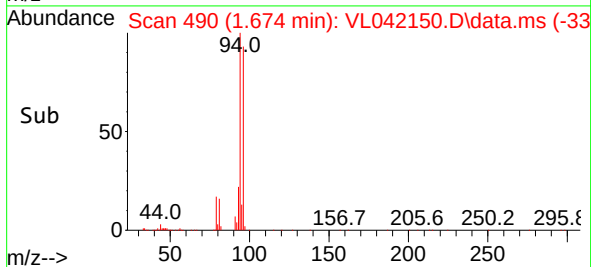
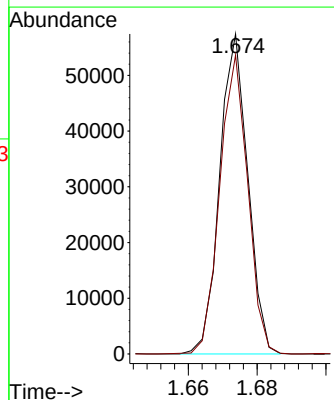
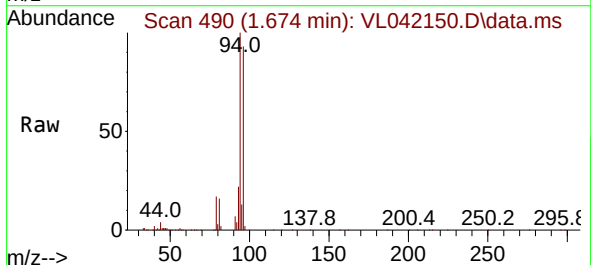
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

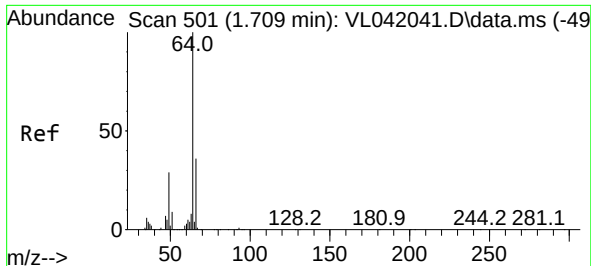
Tgt Ion: 62 Resp: 68484
 Ion Ratio Lower Upper
 62 100
 64 29.4 25.3 37.9



#6
 Bromomethane
 Concen: 11.245 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

Tgt Ion: 94 Resp: 32623
 Ion Ratio Lower Upper
 94 100
 96 93.2 76.5 114.7

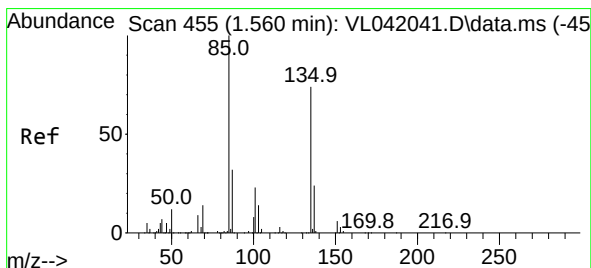
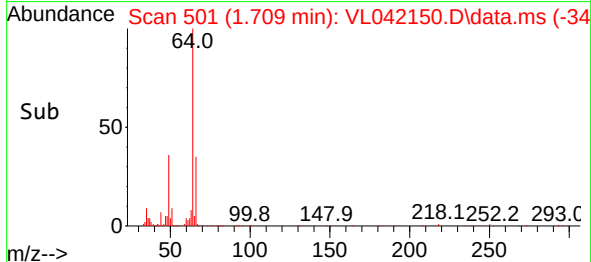
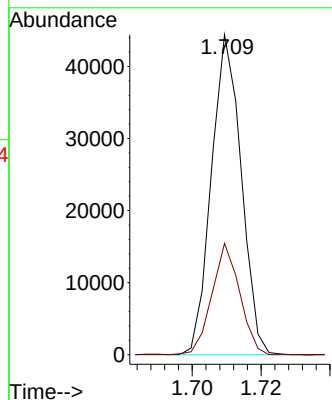
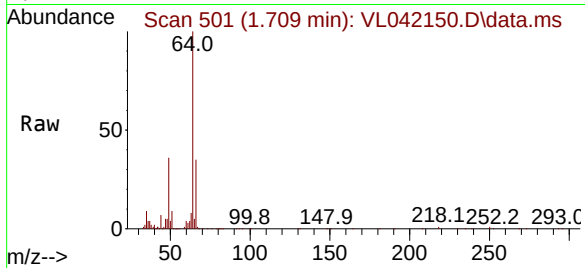




#7
 Chloroethane
 Concen: 10.766 ppbv
 RT: 1.709 min Scan# 501
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

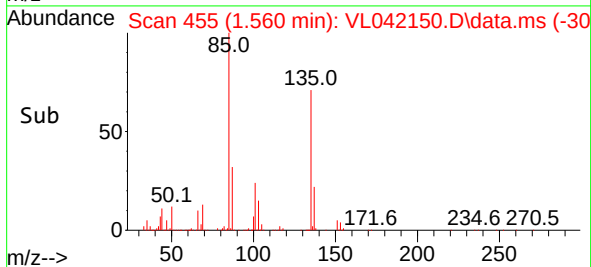
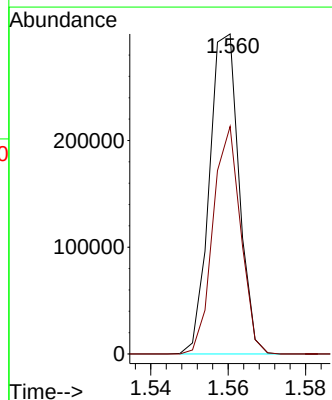
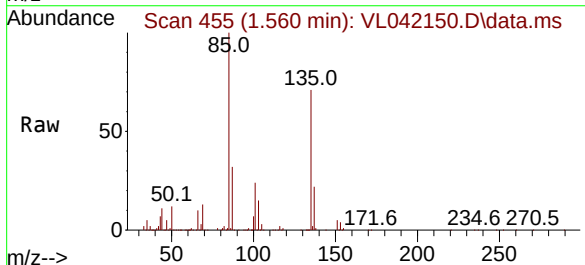
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

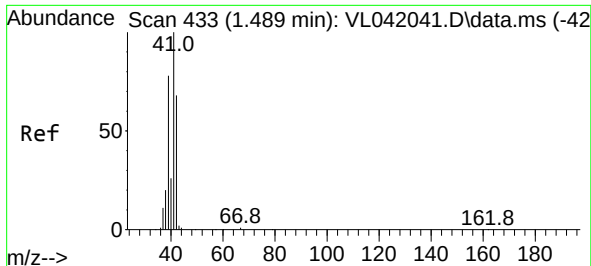
Tgt Ion: 64 Resp: 26650
 Ion Ratio Lower Upper
 64 100
 66 34.8 28.4 42.6



#8
 Dichlorotetrafluoroethane
 Concen: 11.144 ppbv
 RT: 1.560 min Scan# 455
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

Tgt Ion: 85 Resp: 159560
 Ion Ratio Lower Upper
 85 100
 135 66.3 54.6 81.8





#9

Propene

Concen: 8.803 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_1

ClientSampleId :

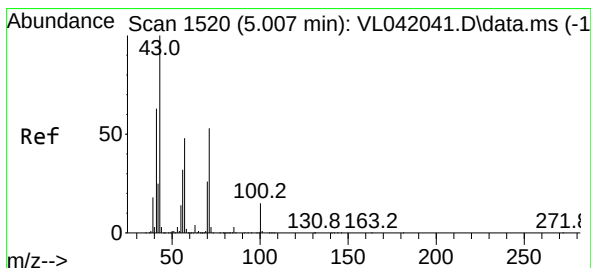
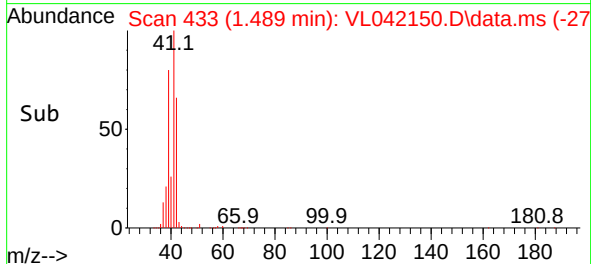
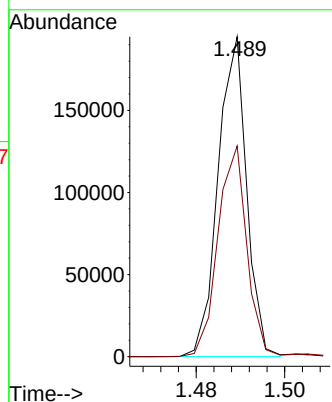
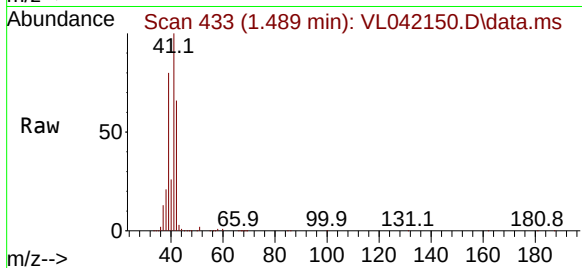
VSTDCCC010

Tgt Ion: 41 Resp: 87298

Ion Ratio Lower Upper

41 100

42 68.2 55.8 83.6



#10

Heptane

Concen: 8.126 ppbv

RT: 5.001 min Scan# 1518

Delta R.T. -0.006 min

Lab File: VL042150.D

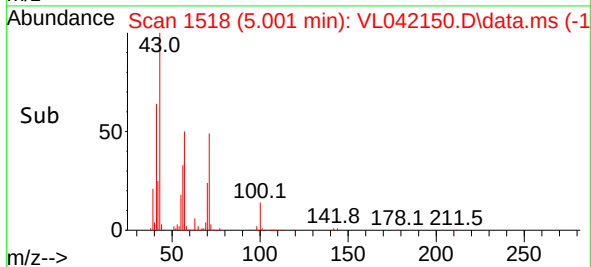
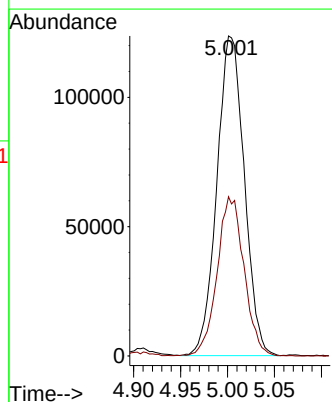
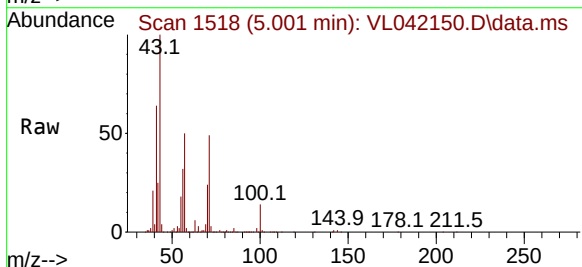
Acq: 17 Mar 2025 09:55

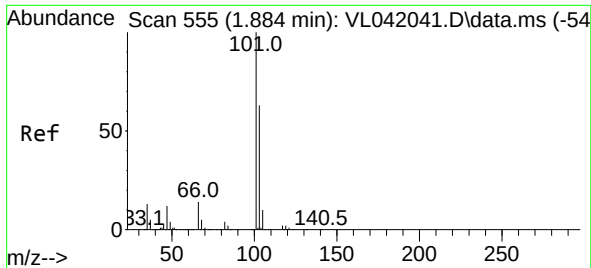
Tgt Ion: 43 Resp: 250907

Ion Ratio Lower Upper

43 100

57 48.9 39.4 59.0

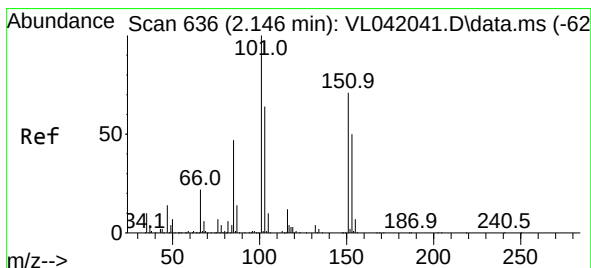
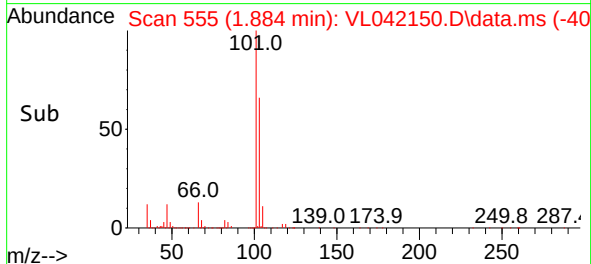
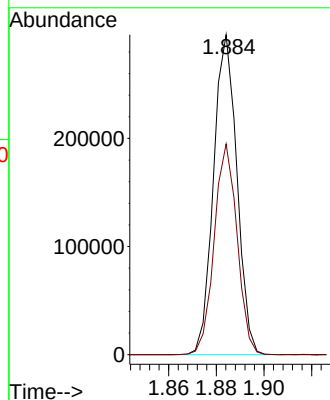
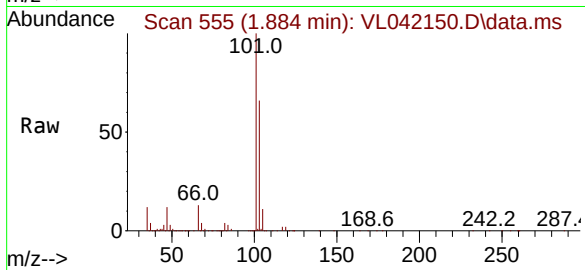




#11
 Trichlorofluoromethane
 Concen: 11.542 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

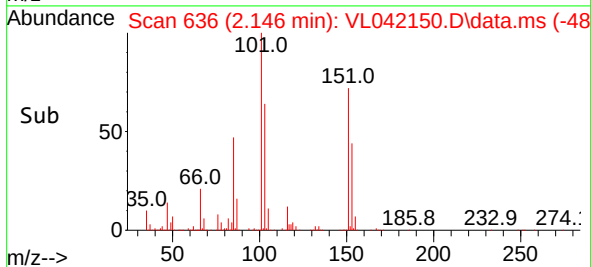
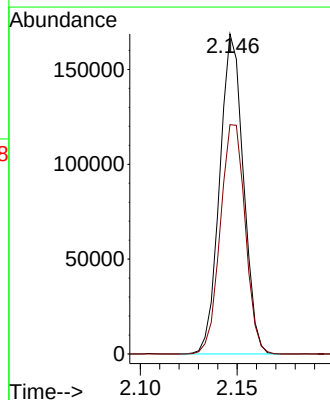
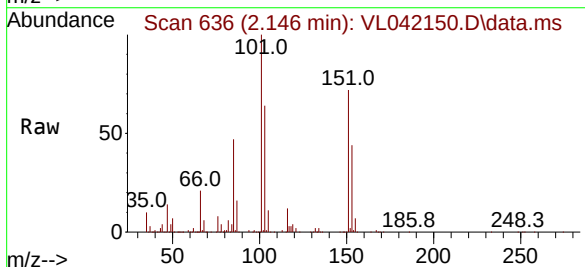
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

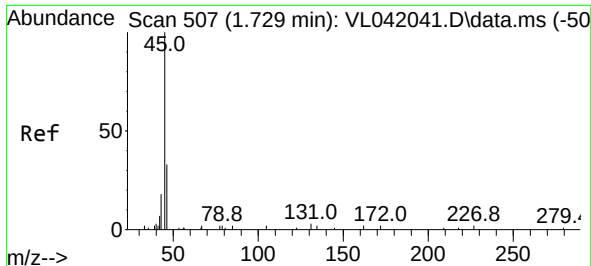
Tgt Ion:101 Resp: 201429
 Ion Ratio Lower Upper
 101 100
 103 65.9 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.302 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

Tgt Ion:101 Resp: 143413
 Ion Ratio Lower Upper
 101 100
 151 75.3 62.6 94.0

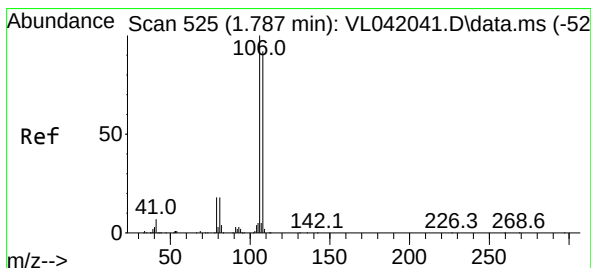
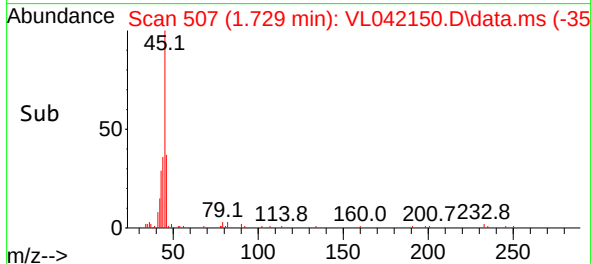
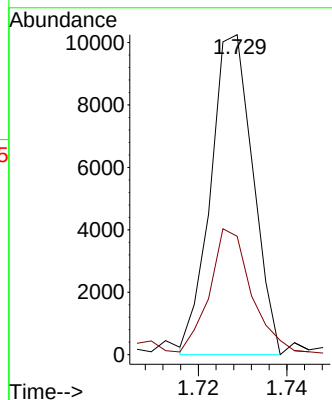
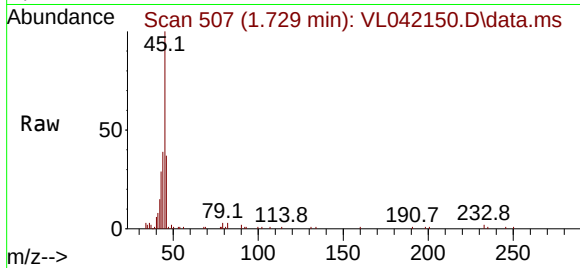




#13
Ethanol
Concen: 10.794 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

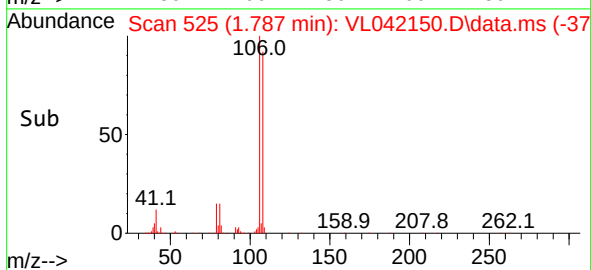
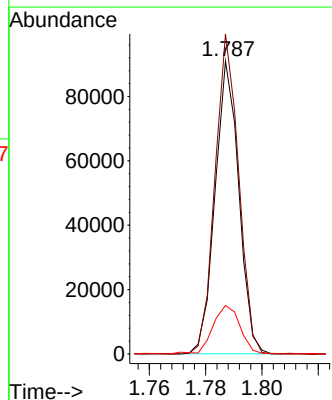
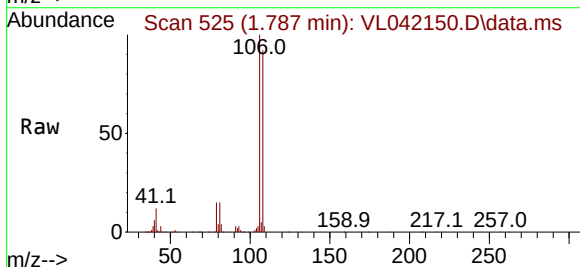
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

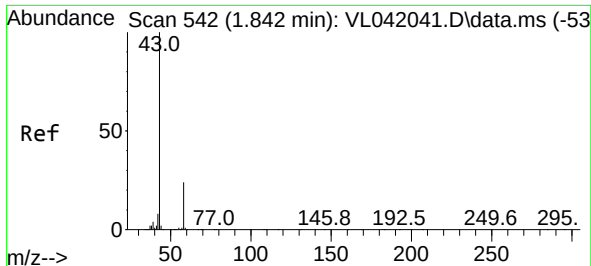
Tgt Ion: 45 Resp: 6795
Ion Ratio Lower Upper
45 100
46 46.9 17.1 68.3



#14
Bromoethene
Concen: 10.823 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 108 Resp: 53205
Ion Ratio Lower Upper
108 100
106 108.6 85.4 128.0
79 19.3 16.5 24.7

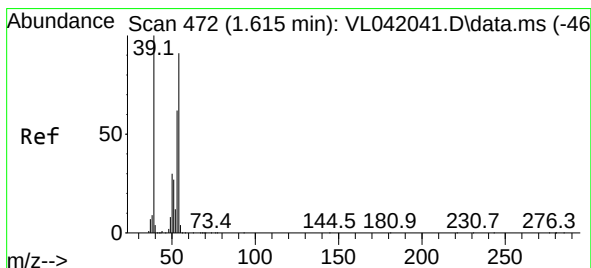
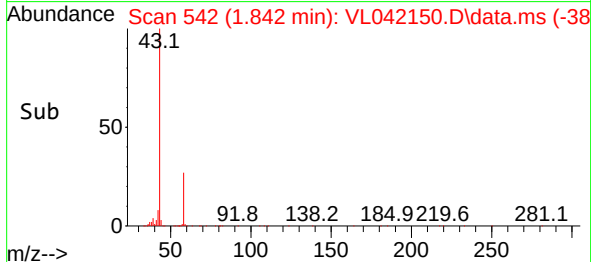
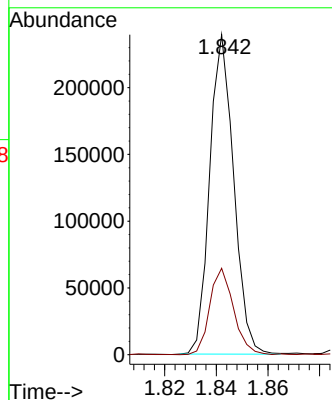
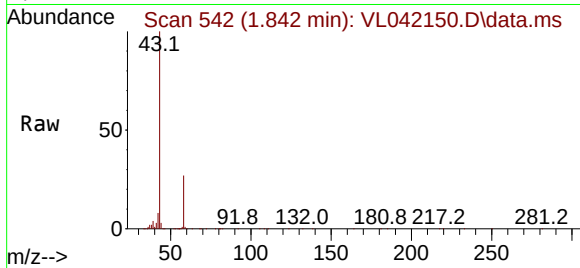




#15
Acetone
Concen: 10.436 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

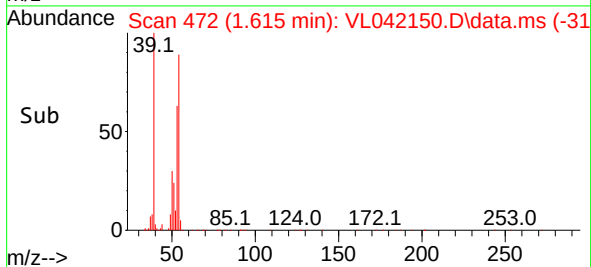
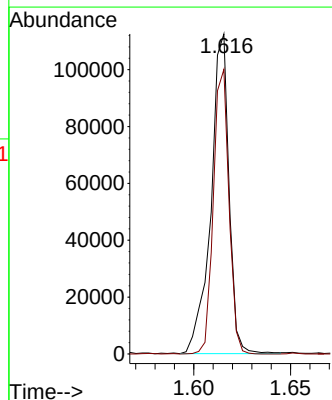
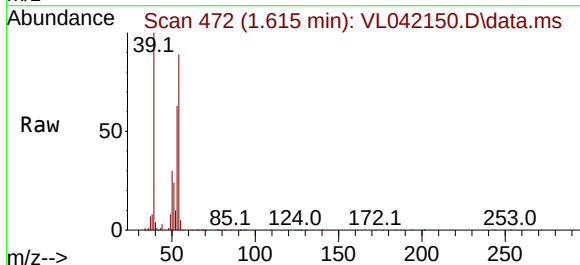
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

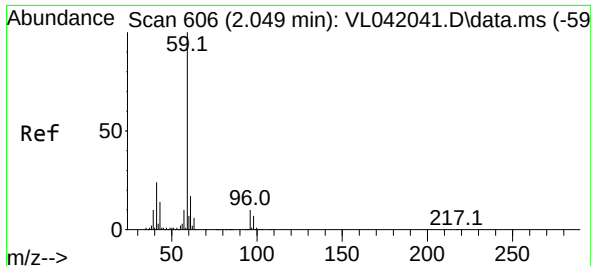
Tgt Ion: 43 Resp: 154356
Ion Ratio Lower Upper
43 100
58 27.2 20.7 31.1



#16
1,3-Butadiene
Concen: 10.630 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 39 Resp: 73169
Ion Ratio Lower Upper
39 100
54 76.3 59.6 89.4





#17

tert-Butyl alcohol

Concen: 9.144 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_1

ClientSampleId :

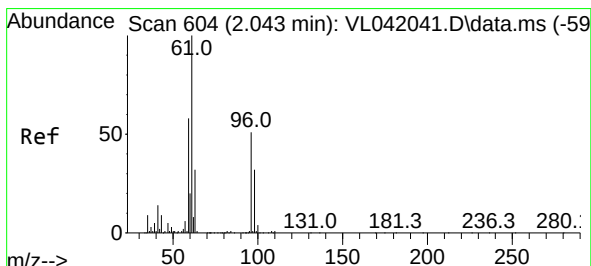
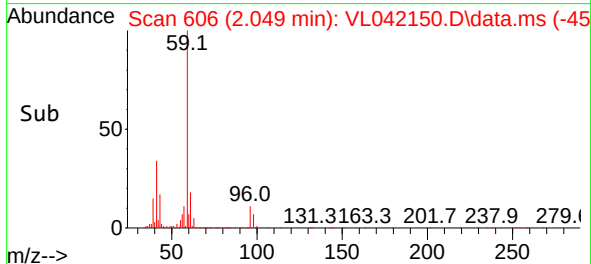
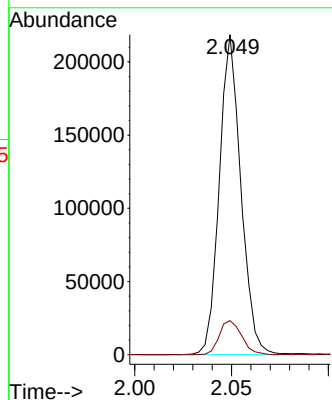
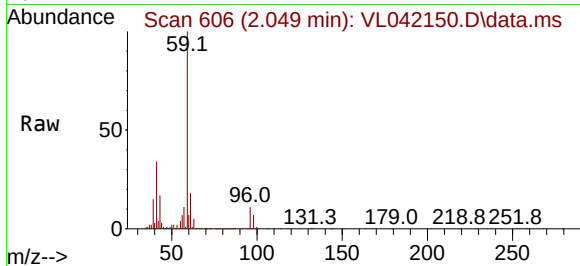
VSTDCCC010

Tgt Ion: 59 Resp: 169215

Ion Ratio Lower Upper

59 100

57 11.1 9.3 13.9



#18

1,1-Dichloroethene

Concen: 10.320 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

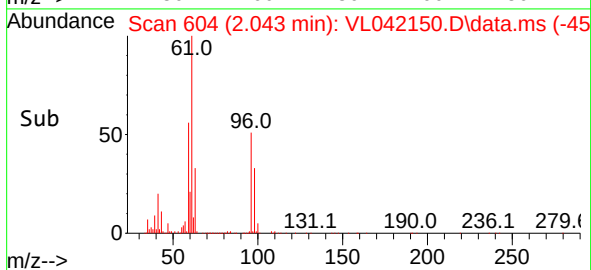
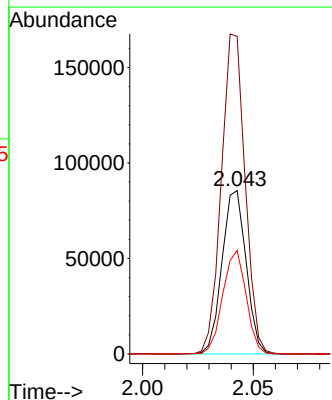
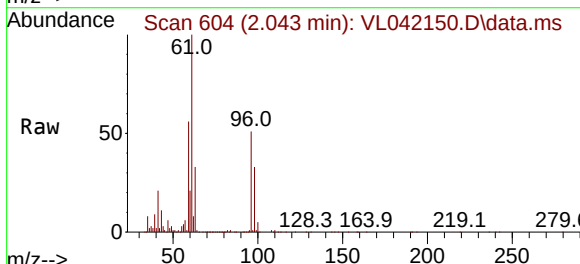
Tgt Ion: 96 Resp: 64914

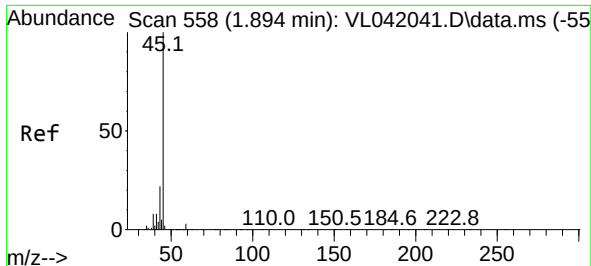
Ion Ratio Lower Upper

96 100

61 194.5 156.0 234.0

98 63.4 49.4 74.2

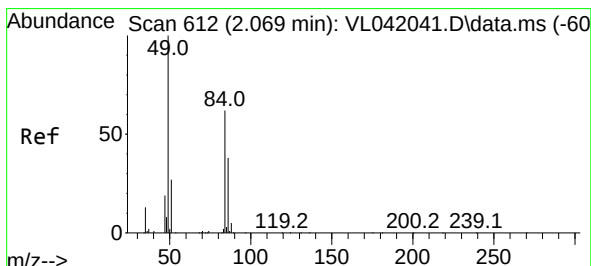
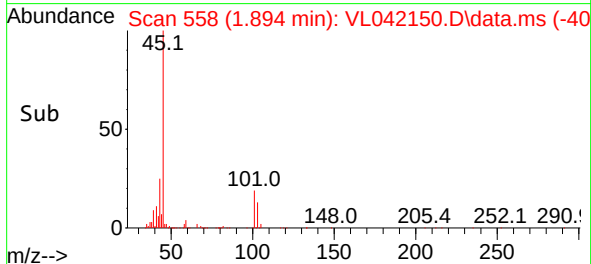
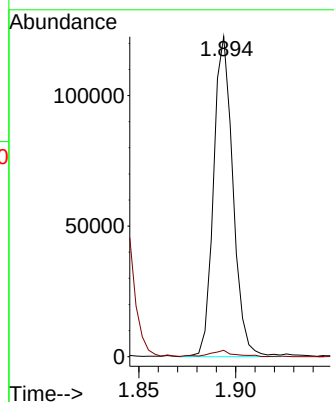
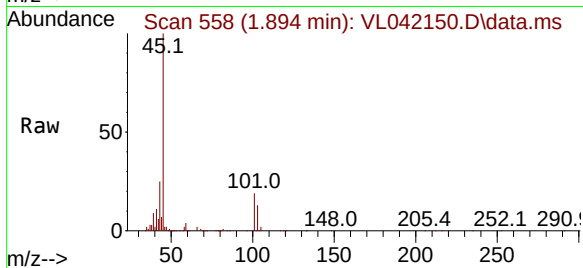




#19
Isopropyl Alcohol
Concen: 10.039 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

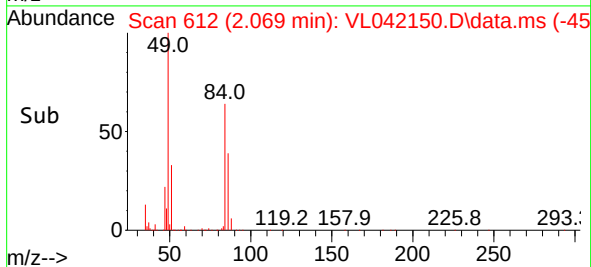
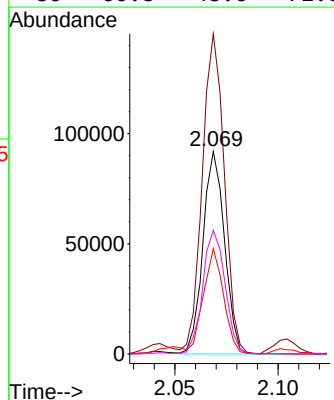
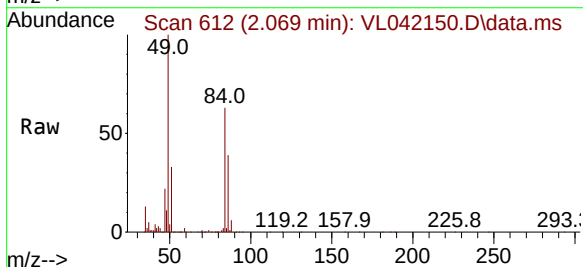
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

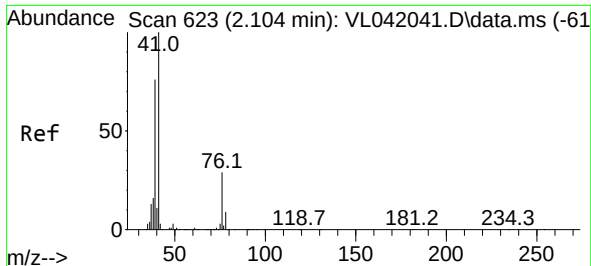
Tgt Ion: 45 Resp: 85293
Ion Ratio Lower Upper
45 100
58 2.6 35.3 52.9#



#20
Methylene Chloride
Concen: 11.923 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 84 Resp: 66711
Ion Ratio Lower Upper
84 100
49 155.9 130.0 195.0
51 49.2 37.4 56.0
86 60.8 48.6 72.8





#21

Allyl Chloride

Concen: 9.845 ppbv

RT: 2.104 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

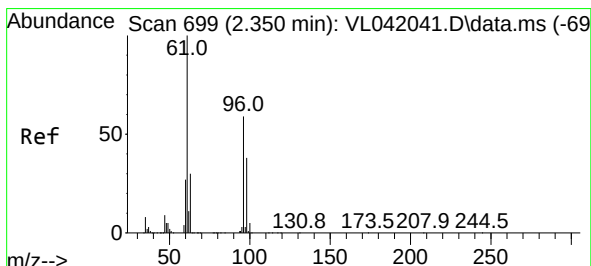
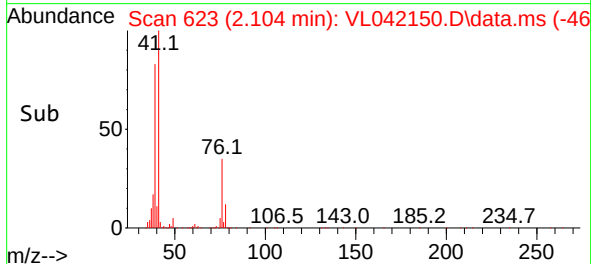
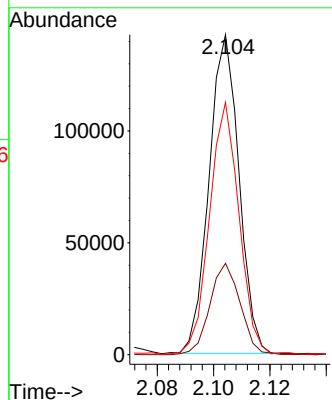
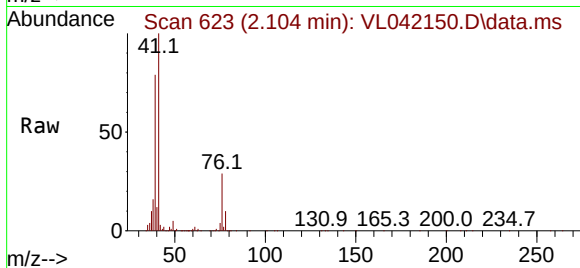
Tgt Ion: 41 Resp: 105215

Ion Ratio Lower Upper

41 100

76 28.9 23.8 35.6

39 78.1 63.8 95.6



#22

trans-1,2-Dichloroethene

Concen: 9.652 ppbv

RT: 2.350 min Scan# 699

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

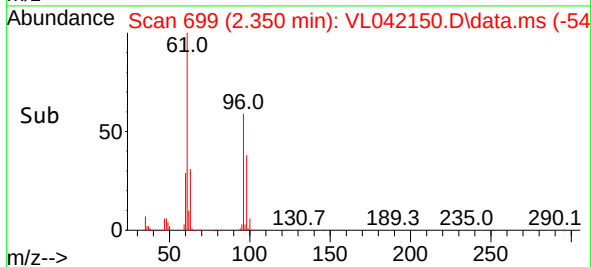
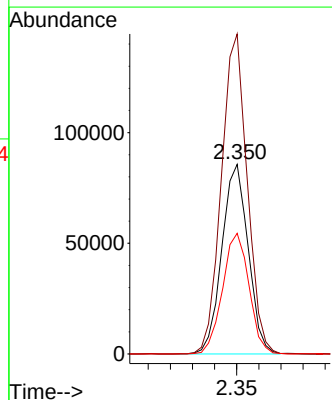
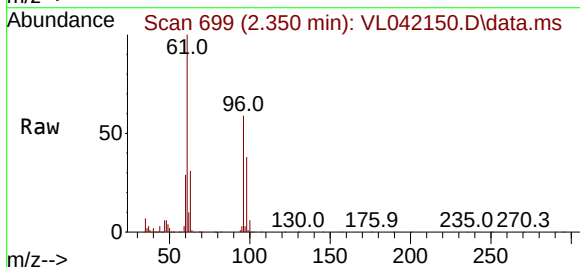
Tgt Ion: 96 Resp: 70772

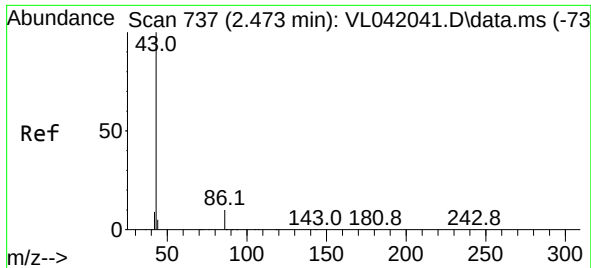
Ion Ratio Lower Upper

96 100

61 168.6 136.6 205.0

98 63.6 51.8 77.6

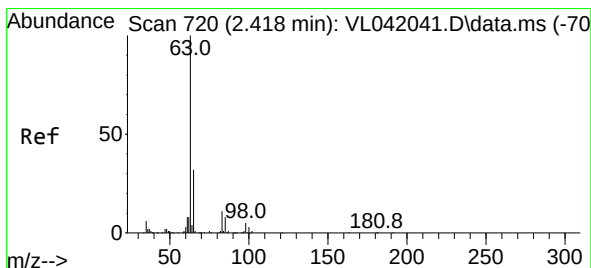
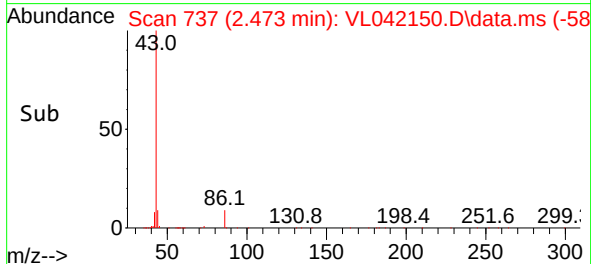
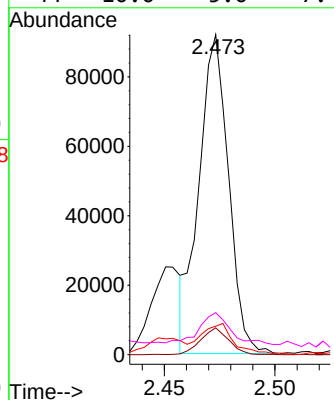
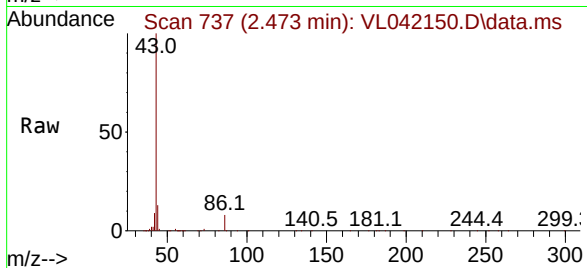




#23
 Vinyl Acetate
 Concen: 8.192 ppbv
 RT: 2.473 min Scan# 737
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

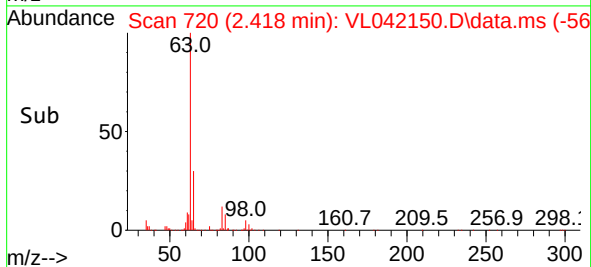
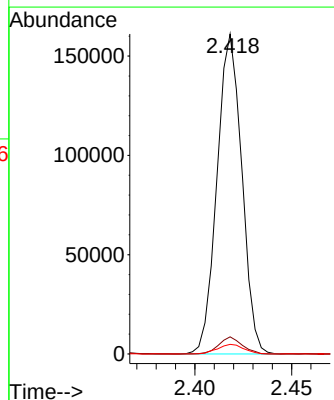
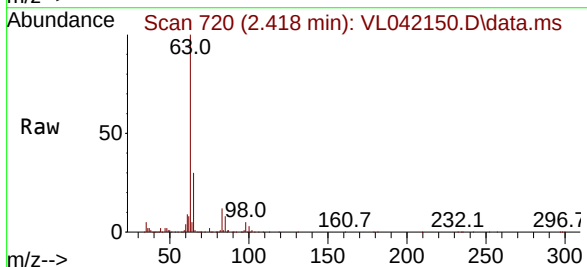
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

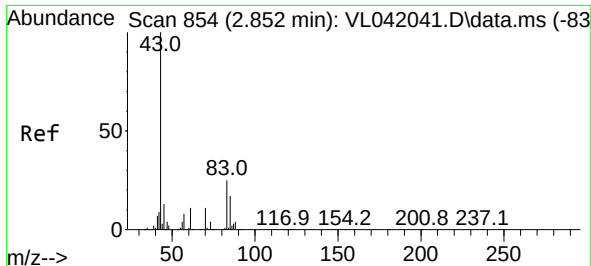
Tgt Ion:	43	Resp:	85199
Ion	Ratio	Lower	Upper
43	100		
86	8.4	7.0	10.4
42	8.4	7.6	11.4
44	10.0	5.0	7.4



#24
 1,1-Dichloroethane
 Concen: 10.518 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

Tgt Ion:	63	Resp:	143507
Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.4	7.2
100	3.0	1.7	5.0





#25

Ethyl Acetate

Concen: 8.826 ppbv

RT: 2.849 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 522573

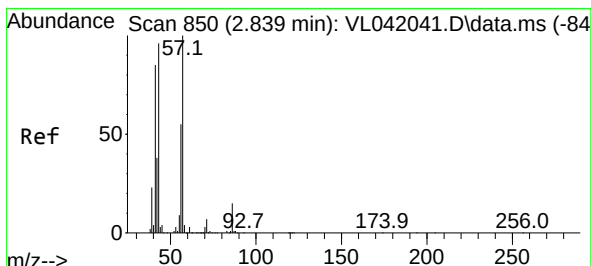
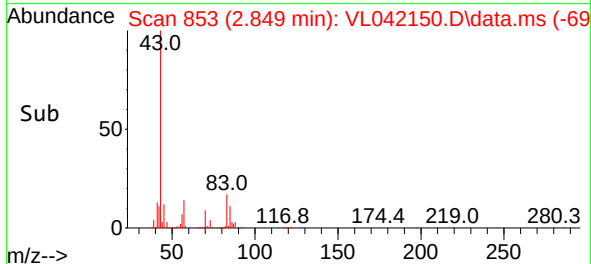
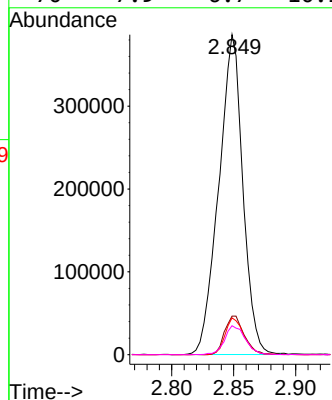
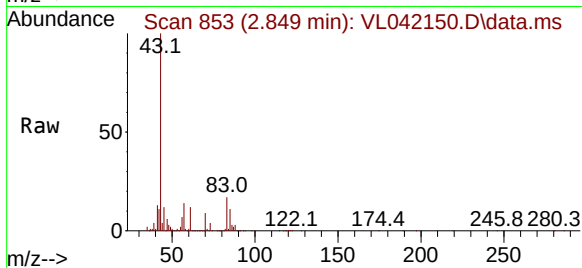
Ion Ratio Lower Upper

43 100

45 10.1 8.1 12.1

61 9.0 7.2 10.8

70 7.9 6.7 10.1



#26

Hexane

Concen: 8.985 ppbv

RT: 2.839 min Scan# 850

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Tgt Ion: 57 Resp: 215056

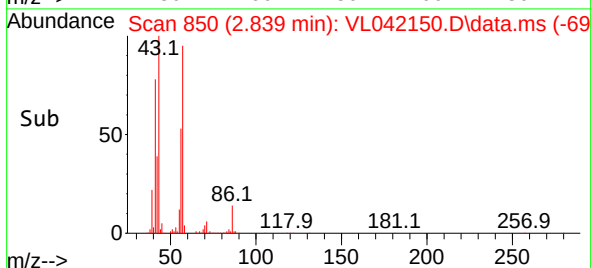
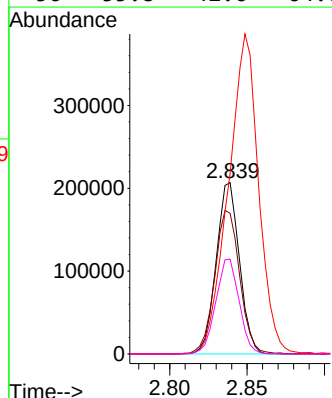
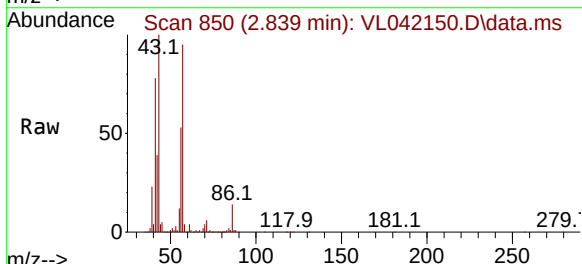
Ion Ratio Lower Upper

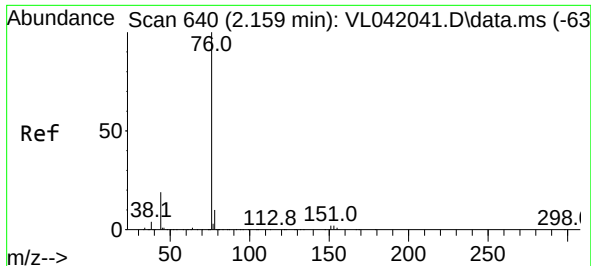
57 100

41 91.1 70.6 106.0

43 244.1 199.4 299.0

56 55.8 42.6 64.0

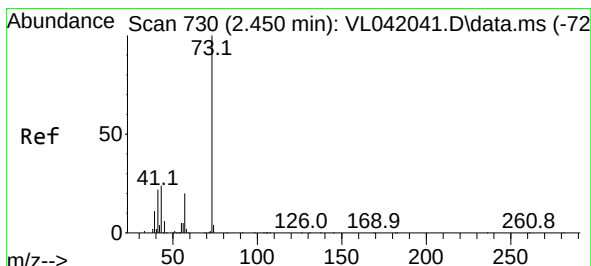
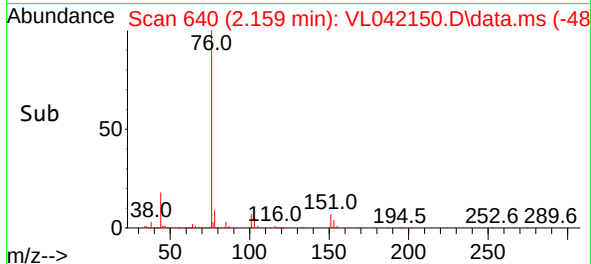
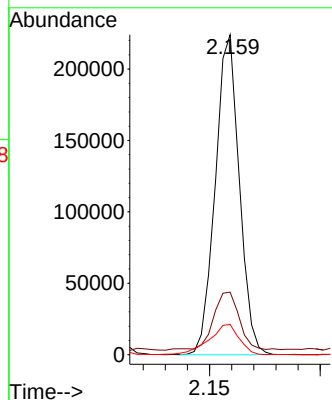
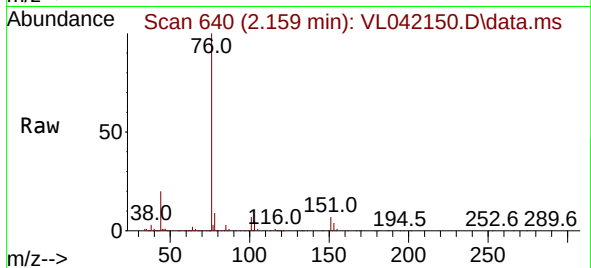




#27
Carbon Disulfide
Concen: 10.407 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

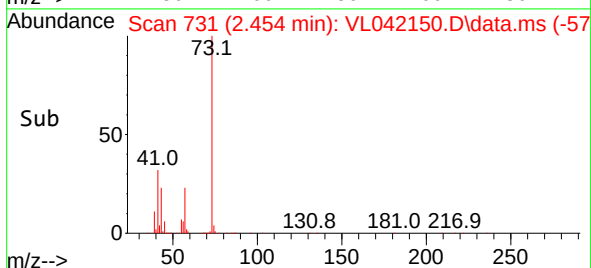
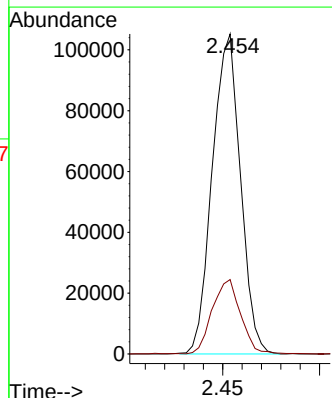
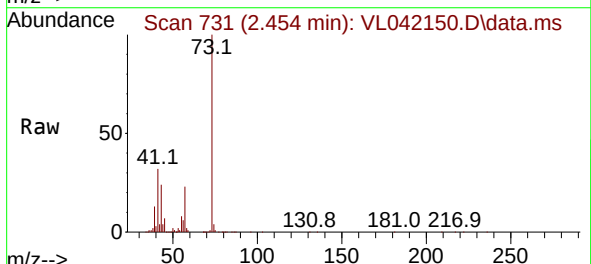
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

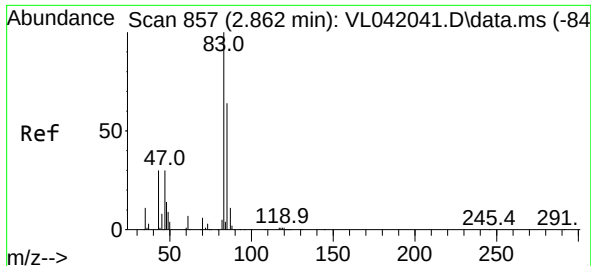
Tgt Ion: 76 Resp: 168859
Ion Ratio Lower Upper
76 100
44 19.8 16.2 24.2
78 11.9 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 8.918 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 73 Resp: 106277
Ion Ratio Lower Upper
73 100
57 23.7 17.7 26.5





#29

Chloroform

Concen: 8.743 ppbv

RT: 2.862 min Scan# 857

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

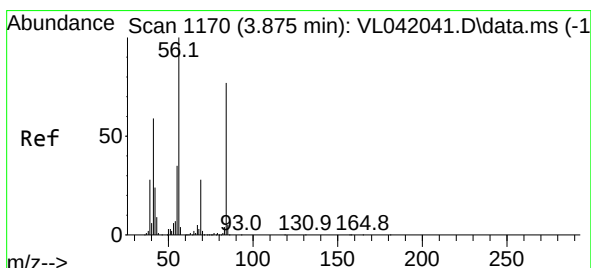
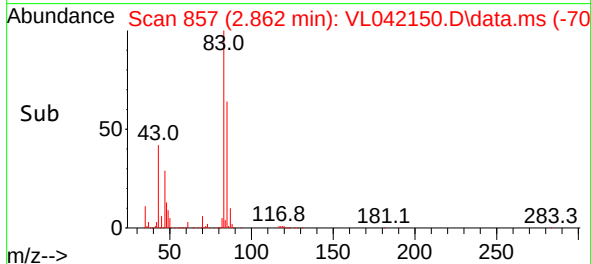
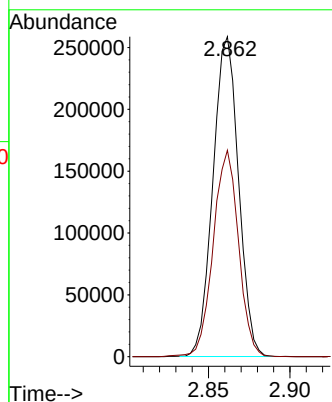
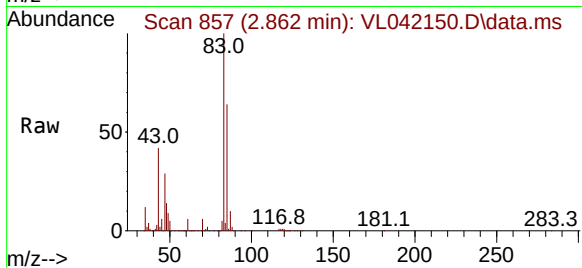
VSTDCCC010

Tgt Ion: 83 Resp: 281634

Ion Ratio Lower Upper

83 100

85 64.5 51.2 76.8



#30

Cyclohexane

Concen: 7.973 ppbv

RT: 3.875 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

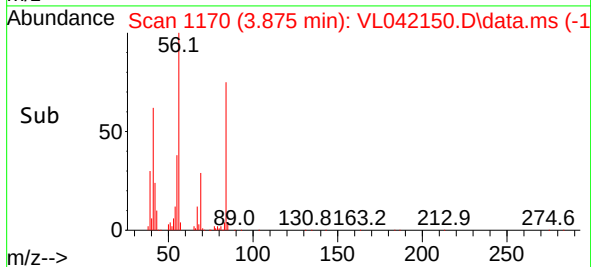
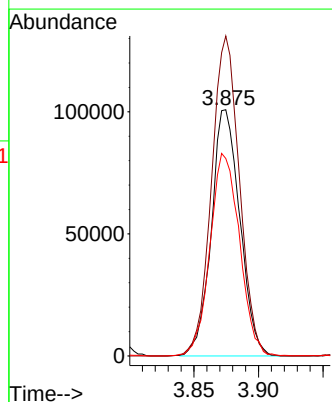
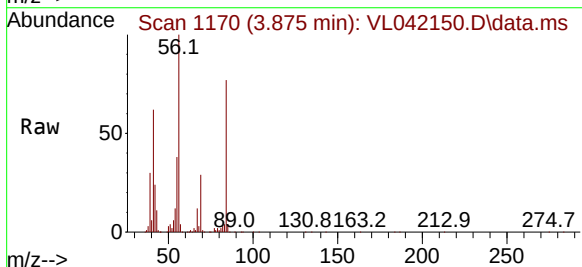
Tgt Ion: 84 Resp: 154902

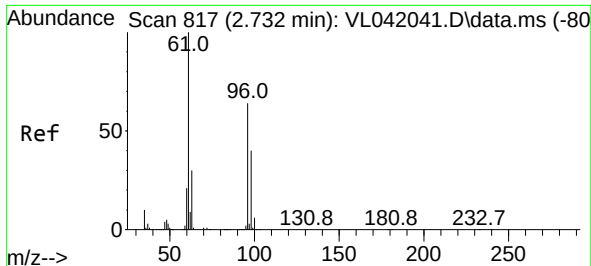
Ion Ratio Lower Upper

84 100

56 127.1 101.5 152.3

41 85.5 62.6 93.8

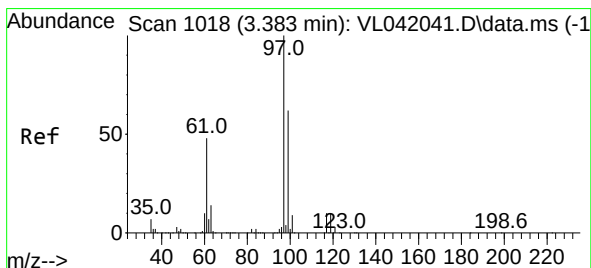
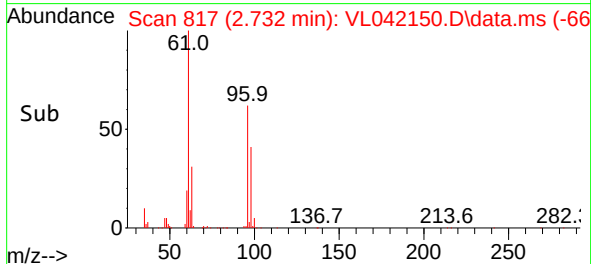
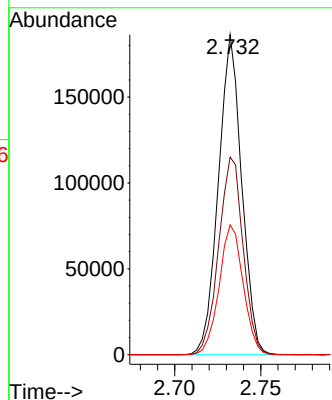
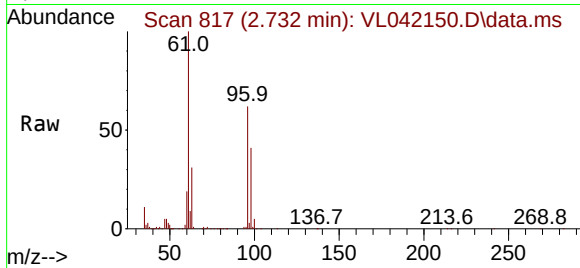




#31
 cis-1,2-Dichloroethene
 Concen: 7.747 ppbv
 RT: 2.732 min Scan# 817
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

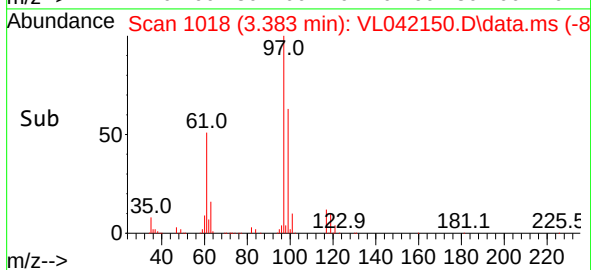
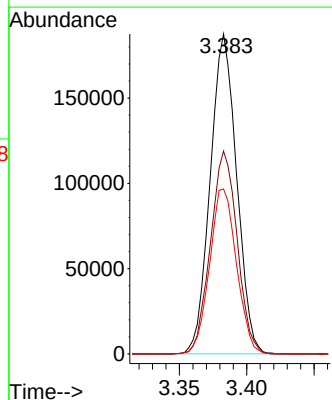
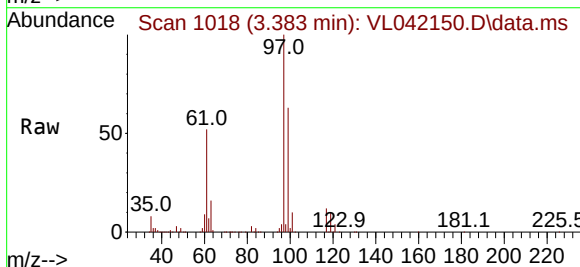
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

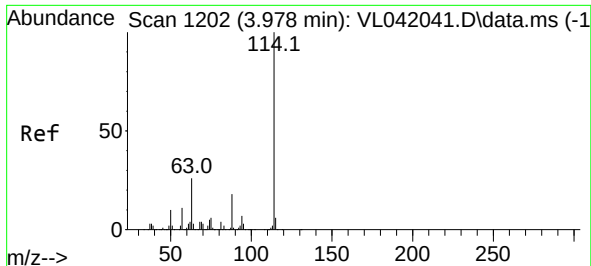
Tgt Ion: 61 Resp: 175545
 Ion Ratio Lower Upper
 61 100
 96 61.7 51.5 77.3
 98 40.5 32.0 48.0



#32
 1,1,1-Trichloroethane
 Concen: 8.170 ppbv
 RT: 3.383 min Scan# 1018
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

Tgt Ion: 97 Resp: 255298
 Ion Ratio Lower Upper
 97 100
 99 64.2 49.8 74.6
 61 52.7 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

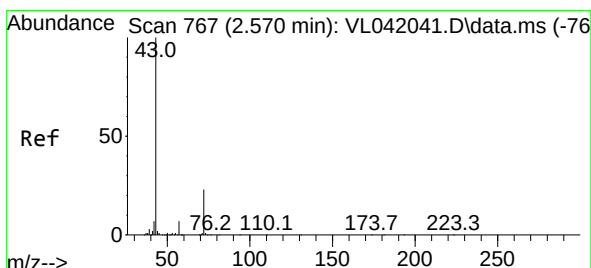
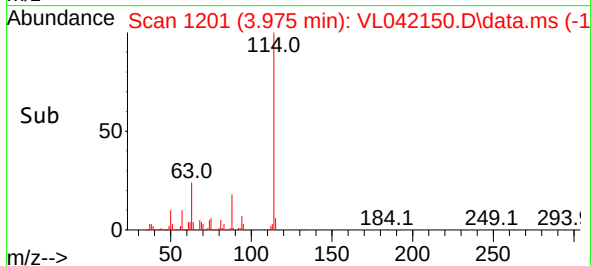
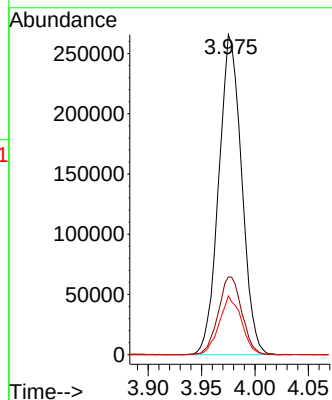
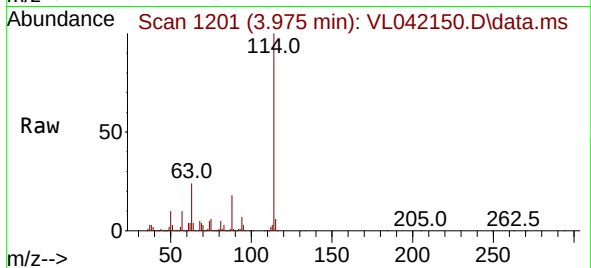
Tgt Ion:114 Resp: 395790

Ion Ratio Lower Upper

114 100

63 25.1 20.1 30.1

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 9.093 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.000 min

Lab File: VL042150.D

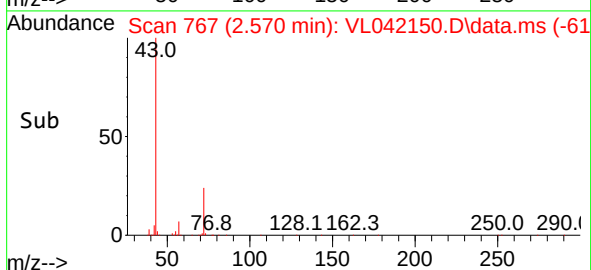
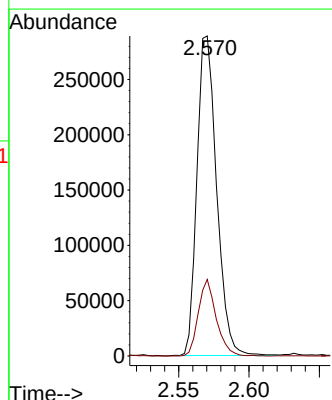
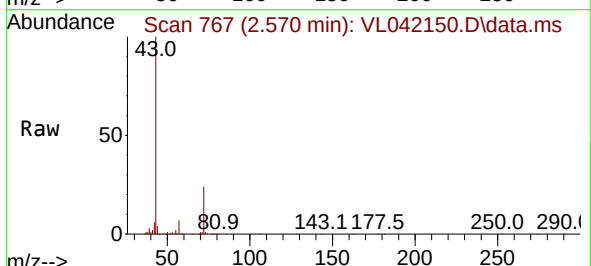
Acq: 17 Mar 2025 09:55

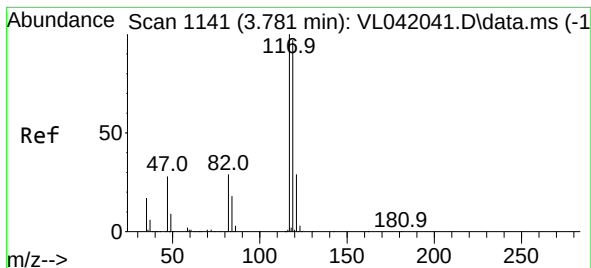
Tgt Ion: 43 Resp: 280367

Ion Ratio Lower Upper

43 100

72 21.9 18.5 27.7





#35

Carbon Tetrachloride

Concen: 9.811 ppbv

RT: 3.781 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

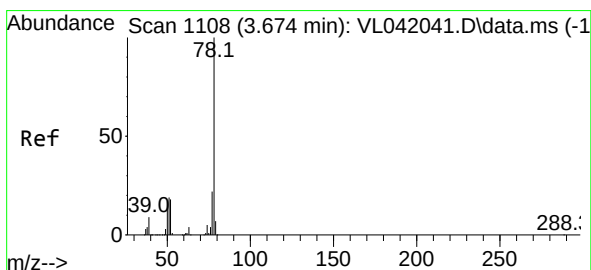
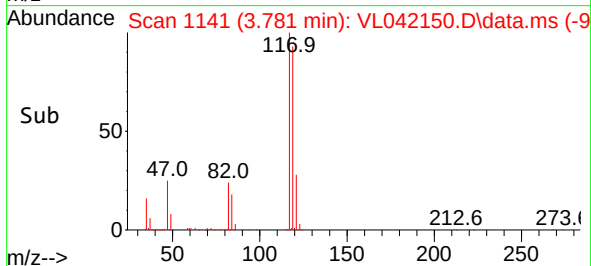
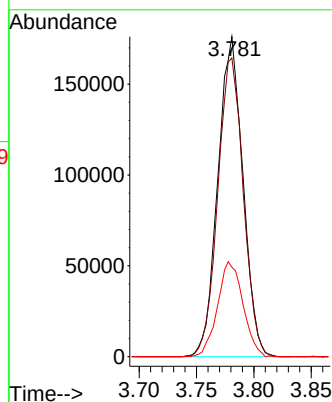
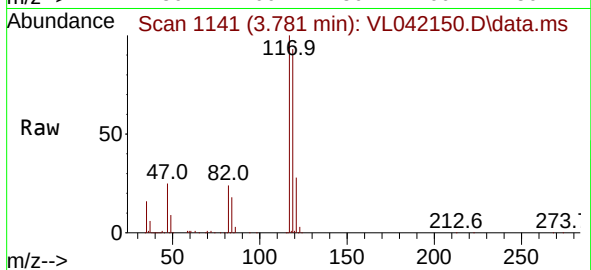
Tgt Ion:117 Resp: 267761

Ion Ratio Lower Upper

117 100

119 93.4 77.8 116.8

121 27.9 23.4 35.0



#36

Benzene

Concen: 8.938 ppbv

RT: 3.674 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

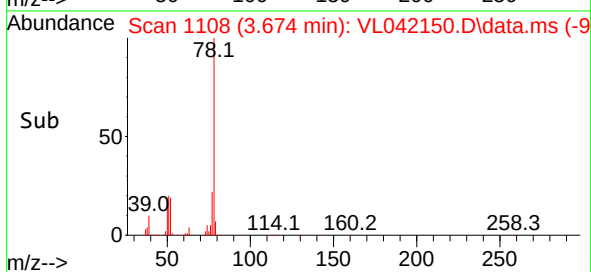
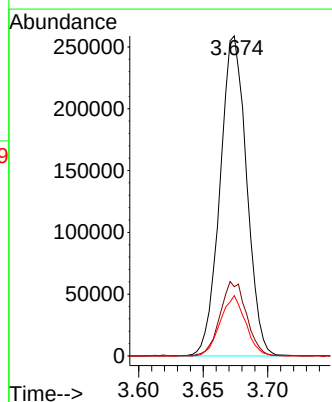
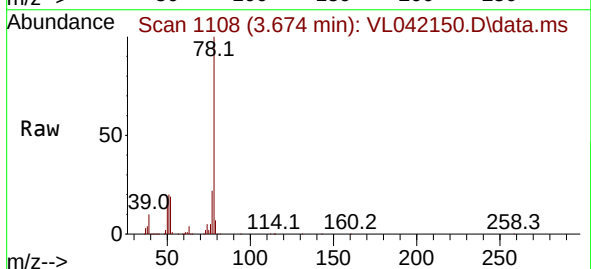
Tgt Ion: 78 Resp: 370323

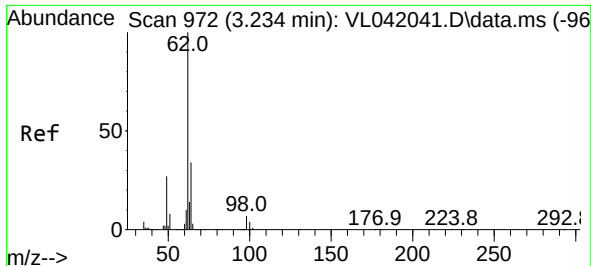
Ion Ratio Lower Upper

78 100

77 21.6 17.7 26.5

50 18.8 13.9 20.9





#37

1,2-Dichloroethane

Concen: 9.097 ppbv

RT: 3.234 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

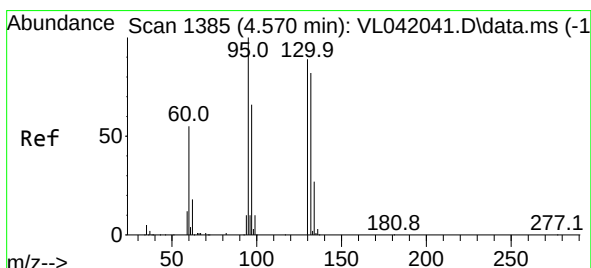
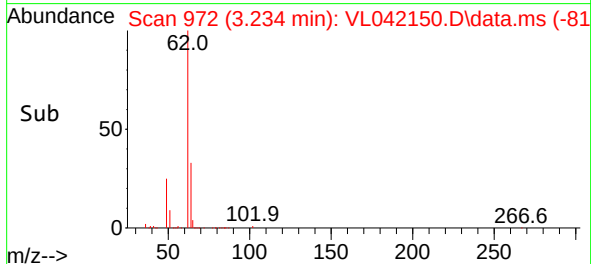
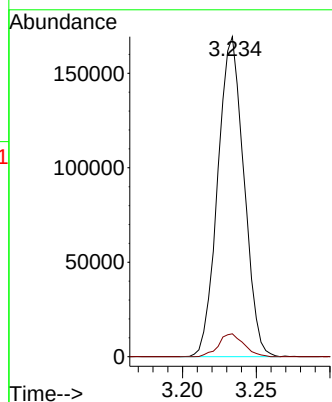
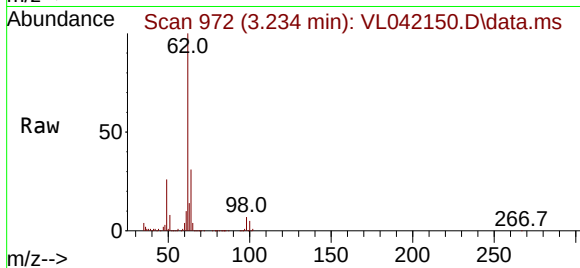
VSTDCCC010

Tgt Ion: 62 Resp: 208967

Ion Ratio Lower Upper

62 100

98 6.9 5.7 8.5



#38

Trichloroethene

Concen: 8.253 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Tgt Ion:130 Resp: 139636

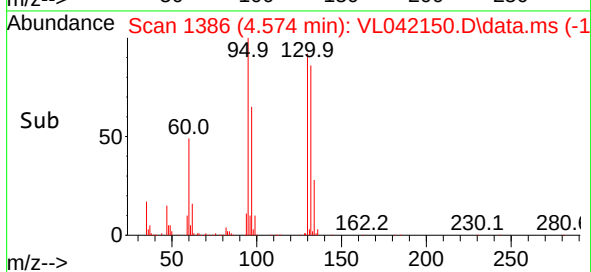
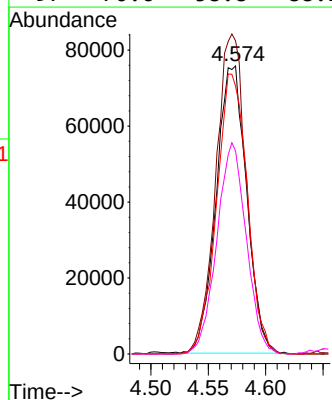
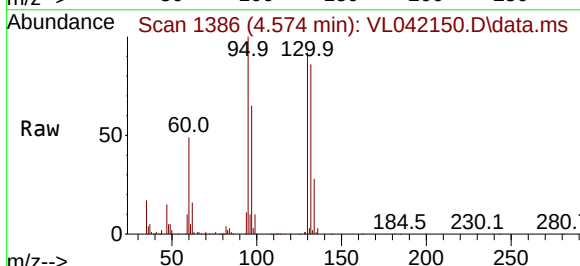
Ion Ratio Lower Upper

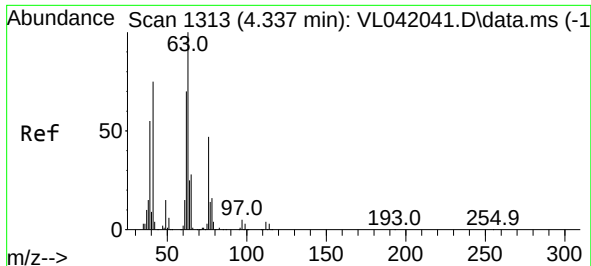
130 100

95 108.7 89.5 134.3

132 93.3 73.8 110.6

97 70.6 58.8 88.2





#39

1,2-Dichloropropane

Concen: 8.888 ppbv

RT: 4.334 min Scan# 1312

Delta R.T. -0.003 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

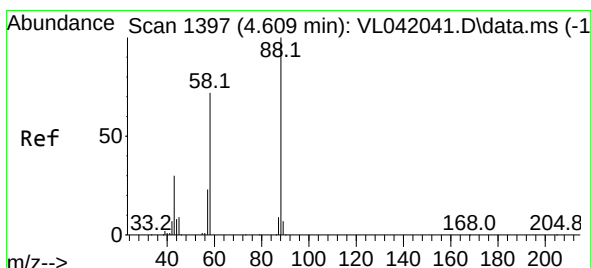
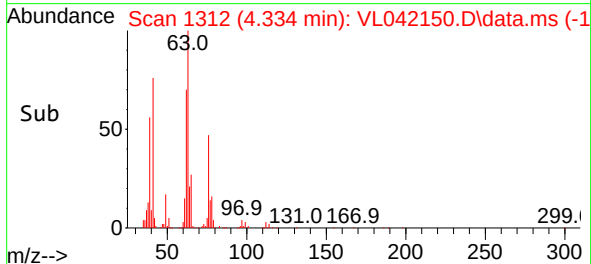
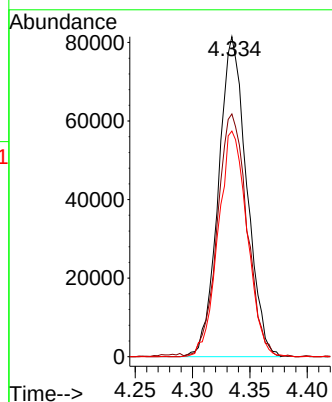
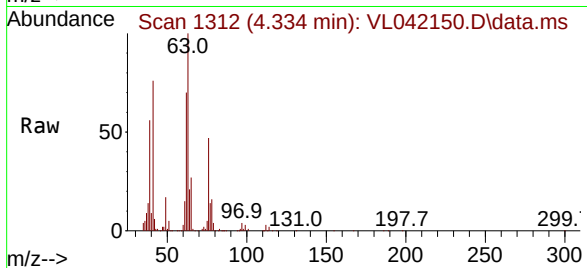
Tgt Ion: 63 Resp: 139773

Ion Ratio Lower Upper

63 100

41 75.5 60.1 90.1

62 70.5 55.8 83.8



#40

1,4-Dioxane

Concen: 8.992 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Tgt Ion: 88 Resp: 64556

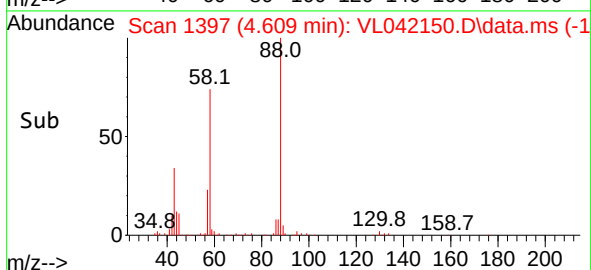
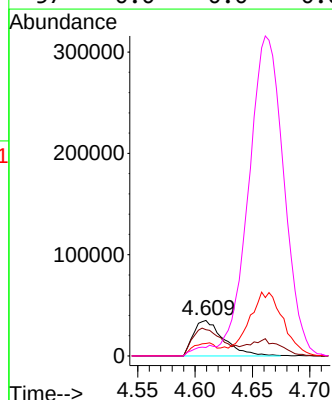
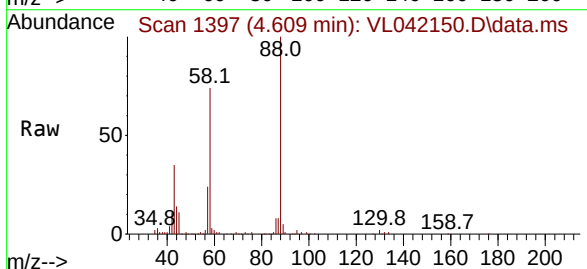
Ion Ratio Lower Upper

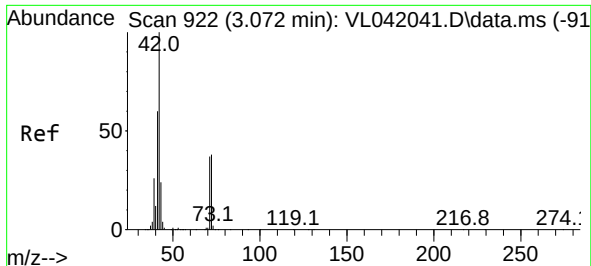
88 100

58 79.0 62.6 94.0

43 27.6 0.0 0.0#

57 0.0 0.0 0.0

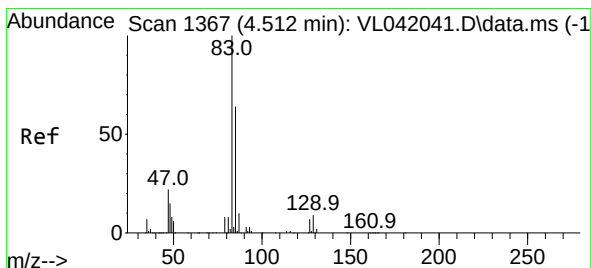
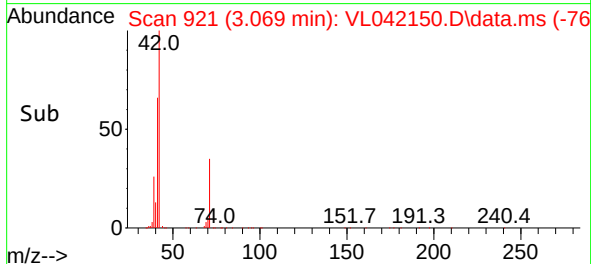
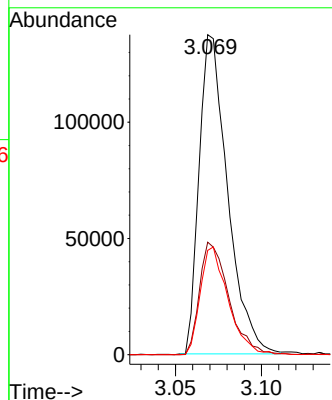
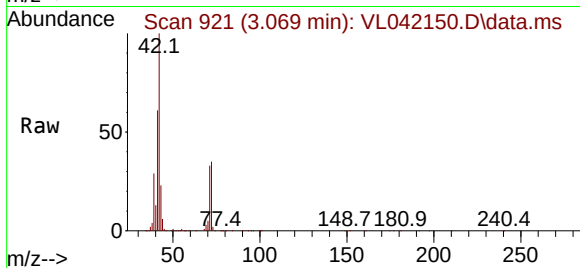




#41
Tetrahydrofuran
Concen: 8.682 ppbv
RT: 3.069 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

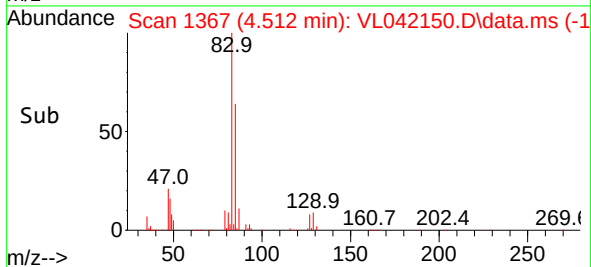
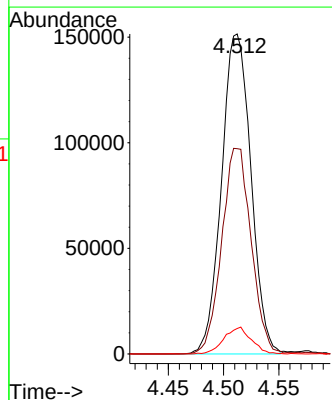
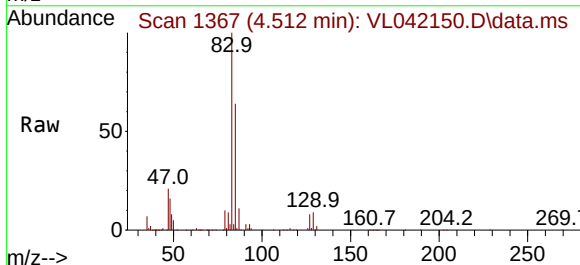
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

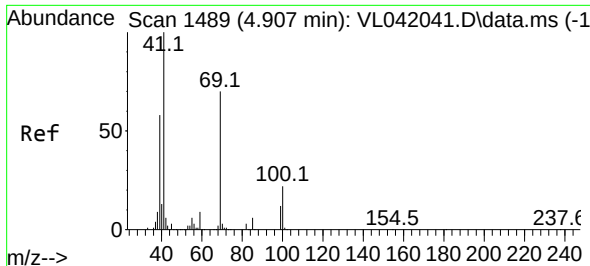
Tgt Ion: 42 Resp: 158186
Ion Ratio Lower Upper
42 100
72 36.2 30.2 45.2
71 33.1 28.2 42.4



#42
Bromodichloromethane
Concen: 9.055 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 83 Resp: 280274
Ion Ratio Lower Upper
83 100
85 64.1 51.4 77.2
127 8.0 5.8 8.6

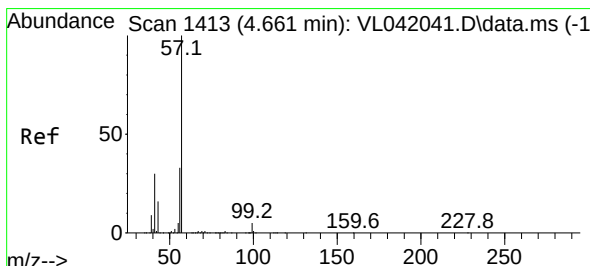
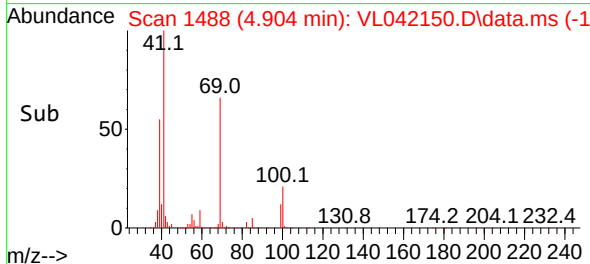
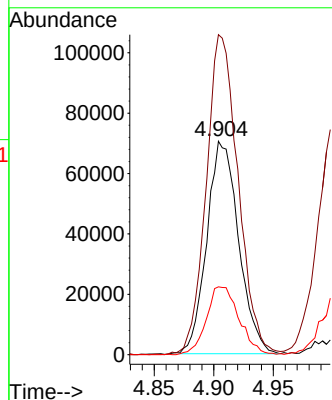
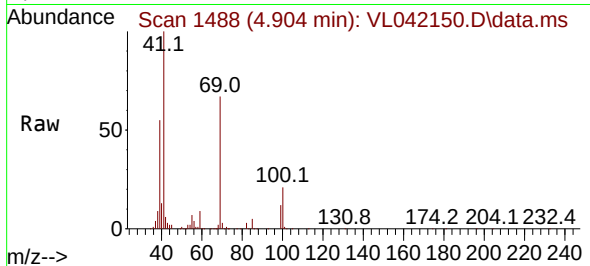




#43
Methyl Methacrylate
Concen: 8.084 ppbv
RT: 4.904 min Scan# 1488
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

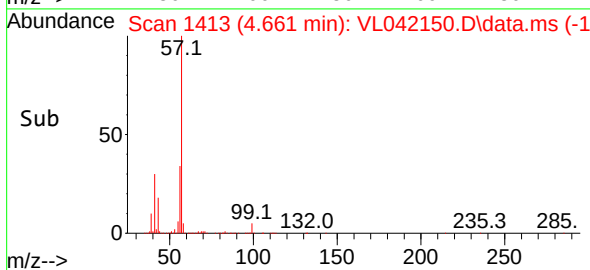
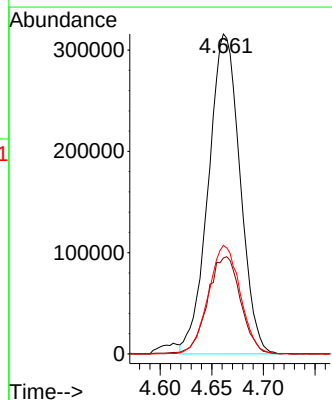
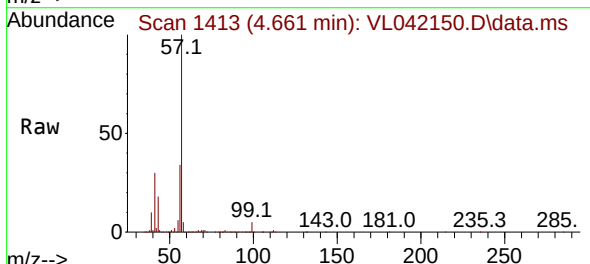
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

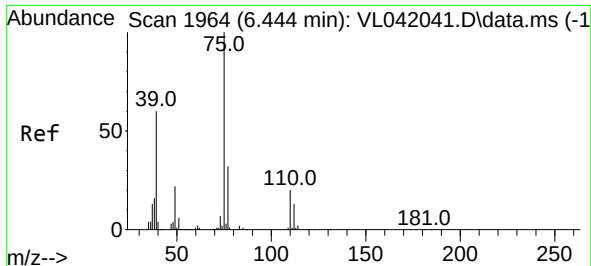
Tgt Ion: 69 Resp: 130801
Ion Ratio Lower Upper
69 100
41 151.1 118.2 177.4
100 32.8 27.0 40.4



#44
2,2,4-Trimethylpentane
Concen: 9.184 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 57 Resp: 671554
Ion Ratio Lower Upper
57 100
41 31.9 24.4 36.6
56 34.3 26.5 39.7





#45

t-1,3-Dichloropropene

Concen: 7.171 ppbv

RT: 6.441 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

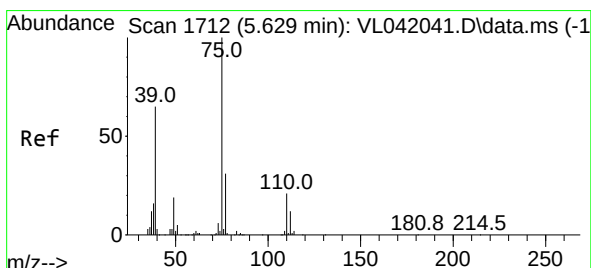
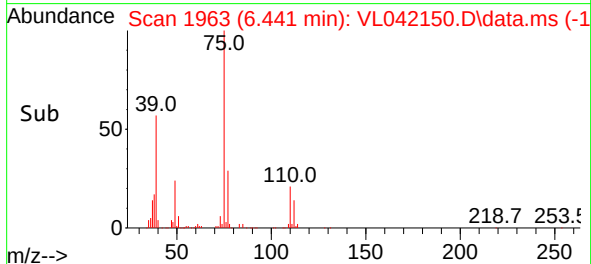
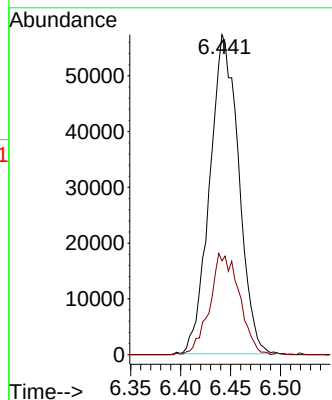
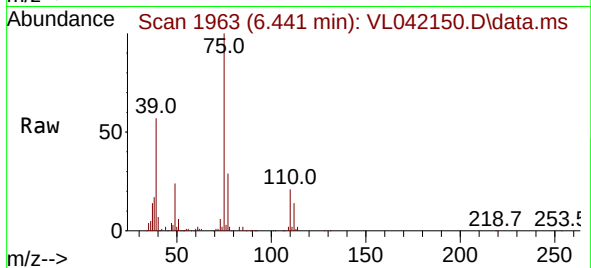
VSTDCCC010

Tgt Ion: 75 Resp: 115280

Ion Ratio Lower Upper

75 100

77 29.3 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 7.956 ppbv

RT: 5.626 min Scan# 1711

Delta R.T. -0.003 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

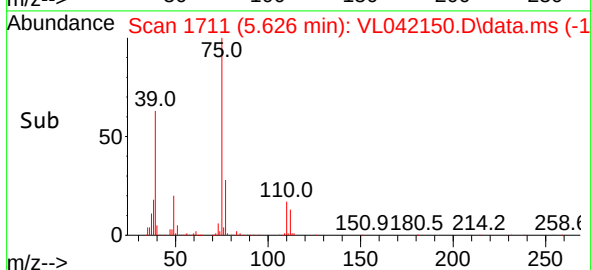
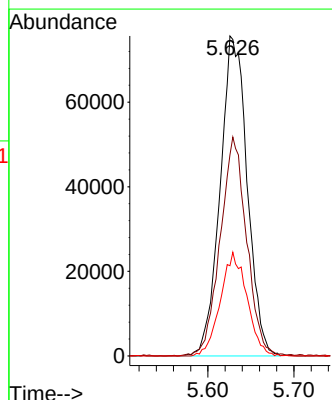
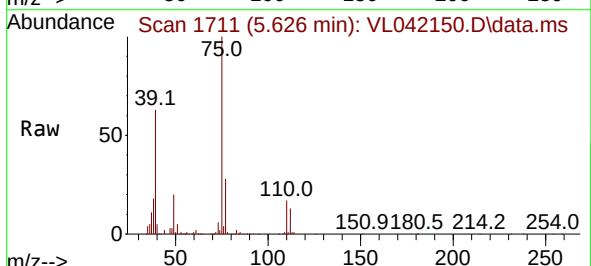
Tgt Ion: 75 Resp: 165501

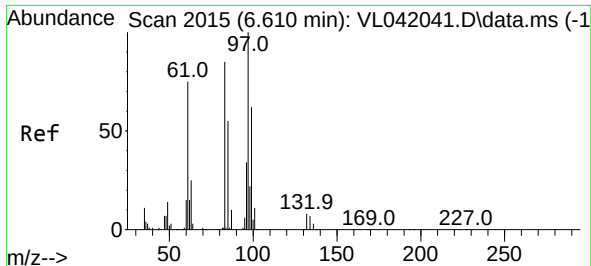
Ion Ratio Lower Upper

75 100

39 62.7 51.9 77.9

77 28.2 24.9 37.3

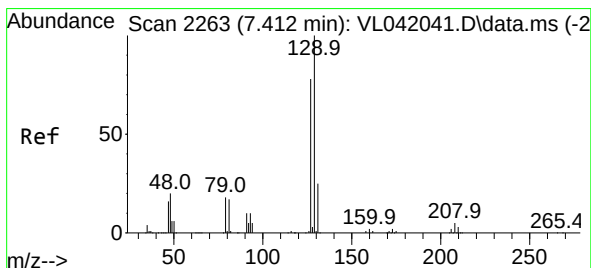
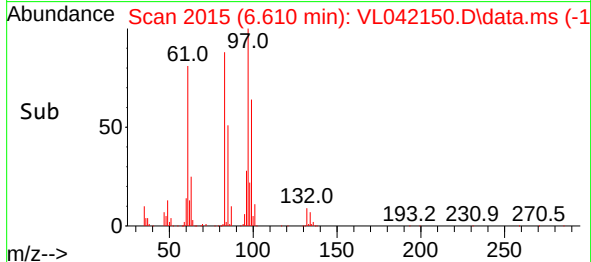
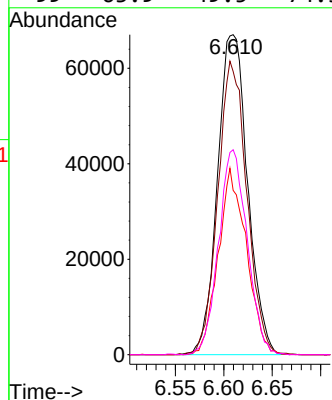
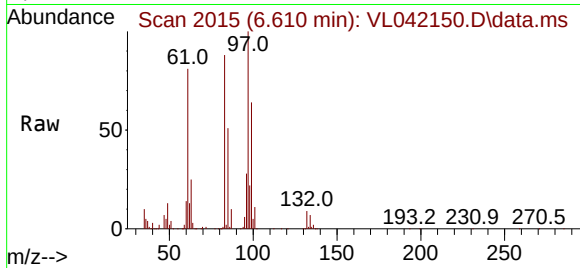




#47
1,1,2-Trichloroethane
Concen: 9.091 ppbv
RT: 6.610 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

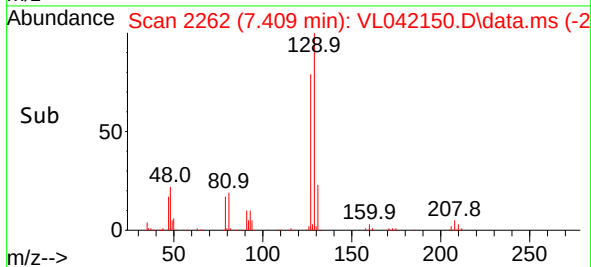
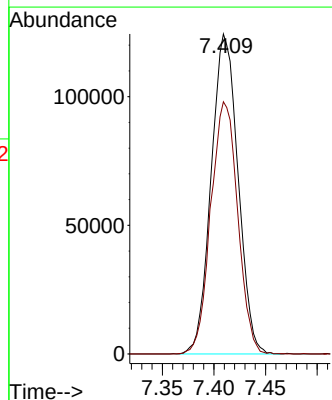
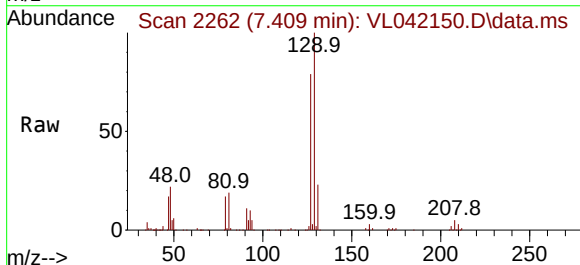
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

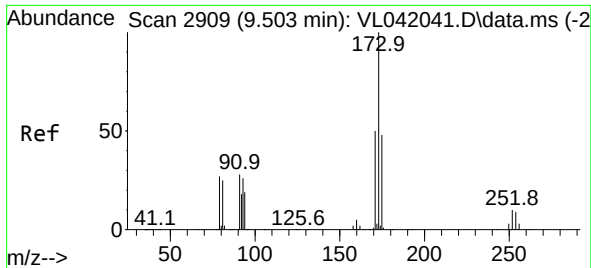
Tgt Ion: 97 Resp: 145150
Ion Ratio Lower Upper
97 100
83 88.1 68.1 102.1
85 51.3 44.0 66.0
99 63.9 49.5 74.3



#48
Dibromochloromethane
Concen: 8.980 ppbv
RT: 7.409 min Scan# 2262
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 129 Resp: 224553
Ion Ratio Lower Upper
129 100
127 79.1 38.6 115.8





#49

Bromoform

Concen: 9.218 ppbv

RT: 9.500 min Scan# 2909

Delta R.T. -0.003 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

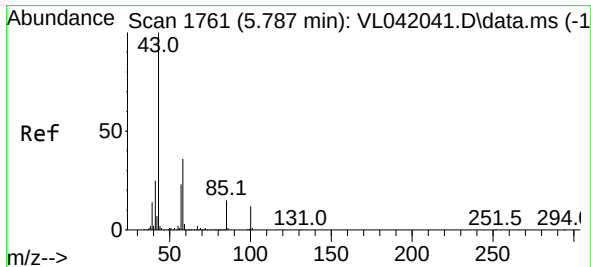
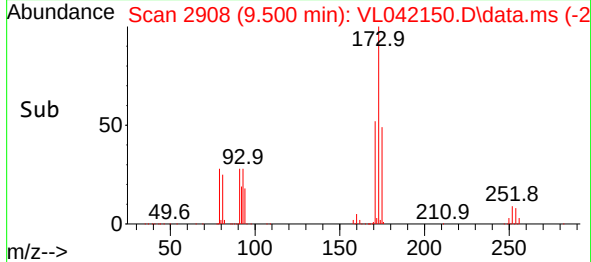
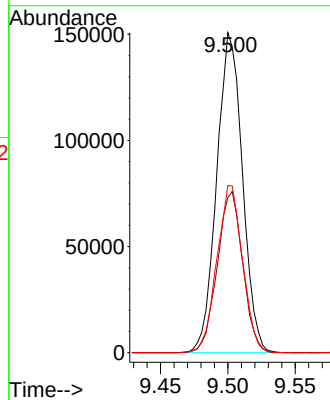
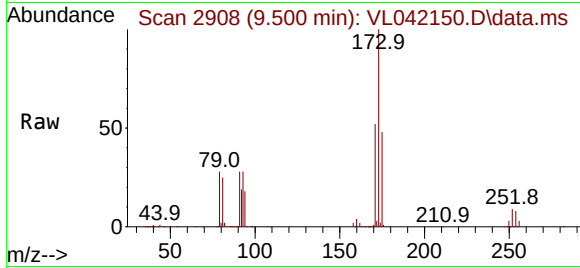
Tgt Ion:173 Resp: 200168

Ion Ratio Lower Upper

173 100

175 49.9 38.3 57.5

171 52.1 40.2 60.2



#50

4-Methyl-2-Pentanone

Concen: 9.370 ppbv

RT: 5.784 min Scan# 1760

Delta R.T. -0.003 min

Lab File: VL042150.D

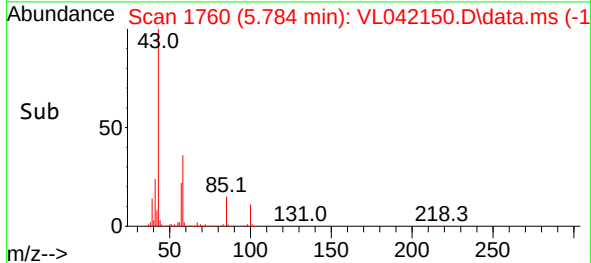
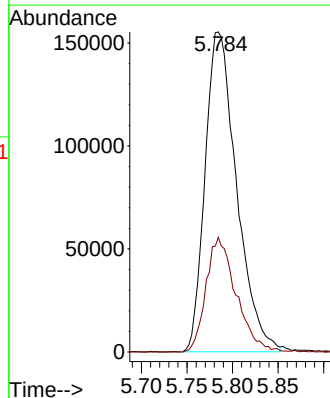
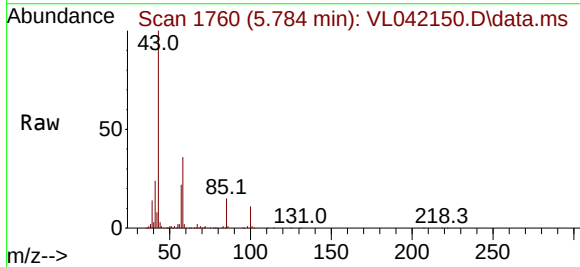
Acq: 17 Mar 2025 09:55

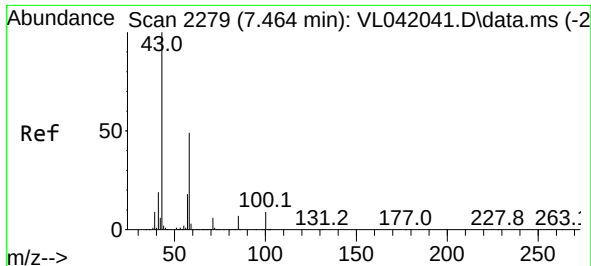
Tgt Ion: 43 Resp: 373666

Ion Ratio Lower Upper

43 100

58 34.2 29.3 43.9

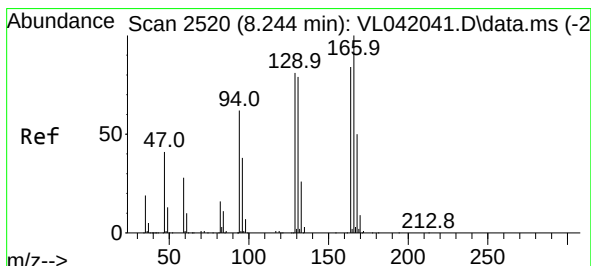
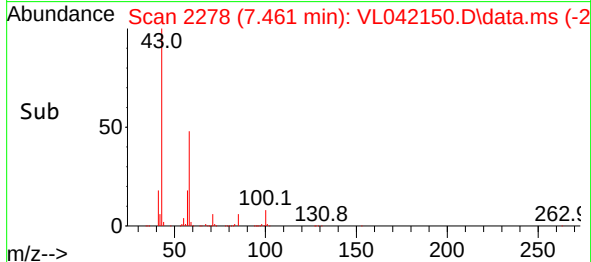
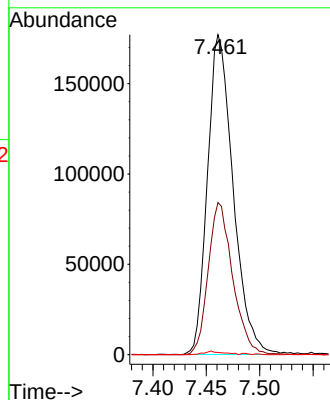
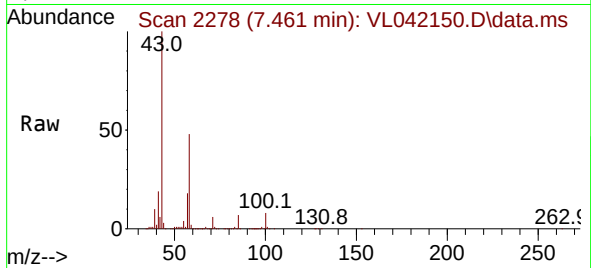




#51
2-Hexanone
Concen: 10.767 ppbv
RT: 7.461 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

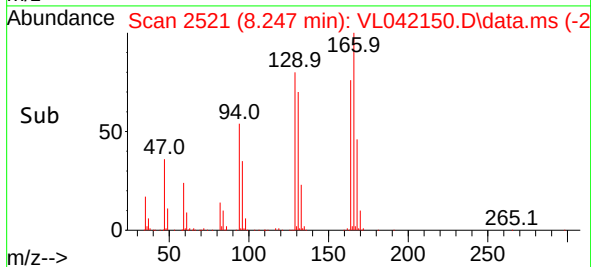
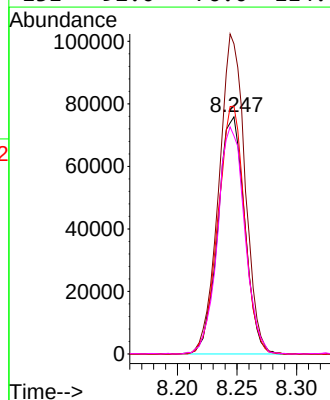
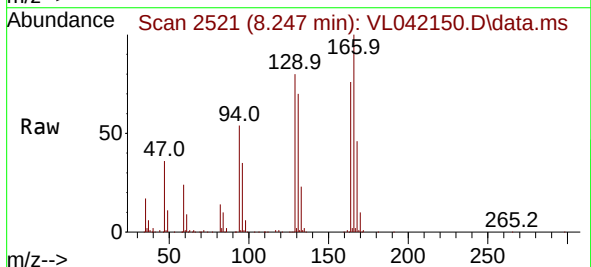
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

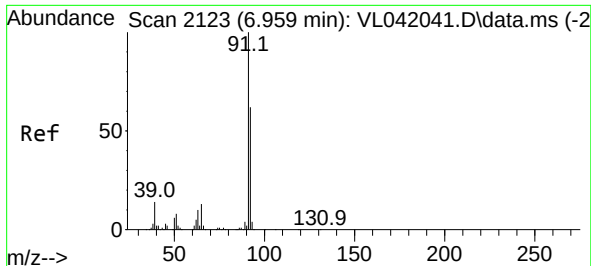
Tgt Ion: 43 Resp: 295520
Ion Ratio Lower Upper
43 100
58 45.5 39.0 58.6
98 1.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.341 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:164 Resp: 118316
Ion Ratio Lower Upper
164 100
166 130.7 95.7 143.5
129 104.6 77.1 115.7
131 92.0 76.0 114.0

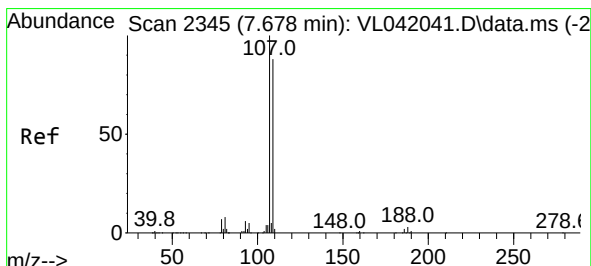
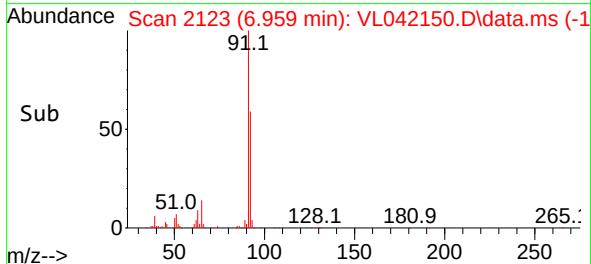
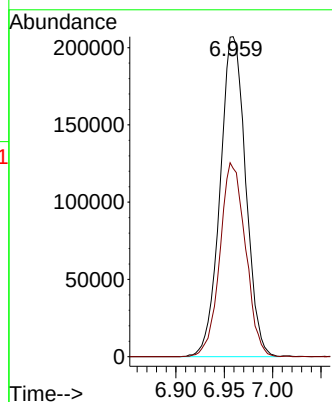
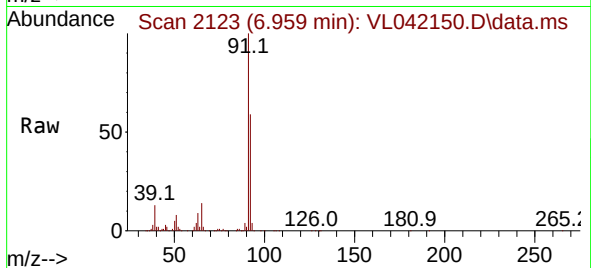




#53
Toluene
Concen: 8.235 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

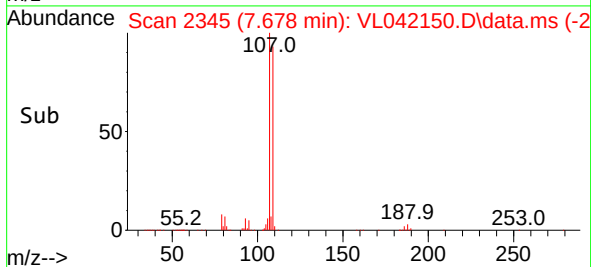
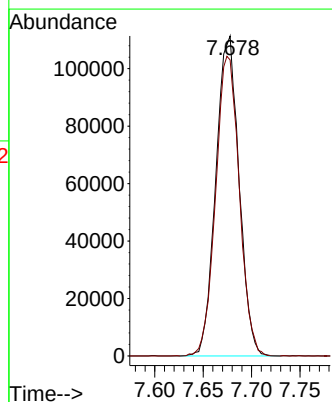
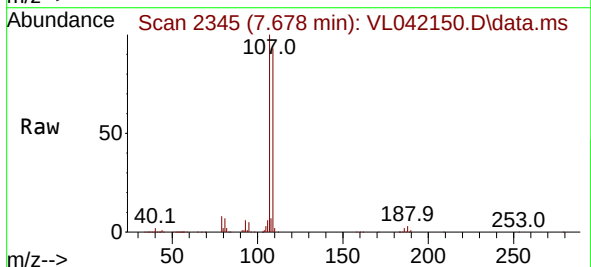
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

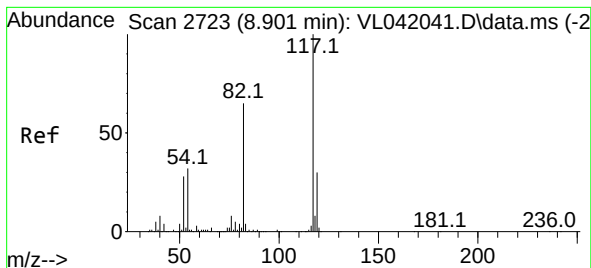
Tgt Ion: 91 Resp: 381354
Ion Ratio Lower Upper
91 100
92 60.6 49.0 73.6



#54
1,2-Dibromoethane
Concen: 8.611 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 107 Resp: 185862
Ion Ratio Lower Upper
107 100
109 92.5 70.2 105.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

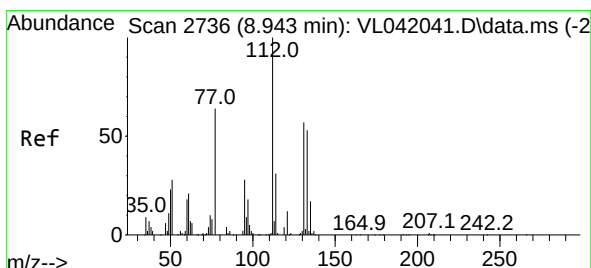
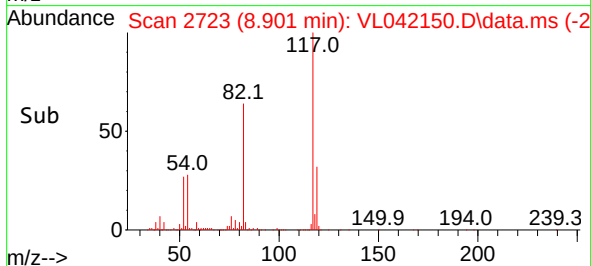
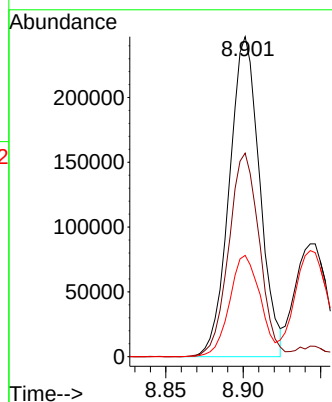
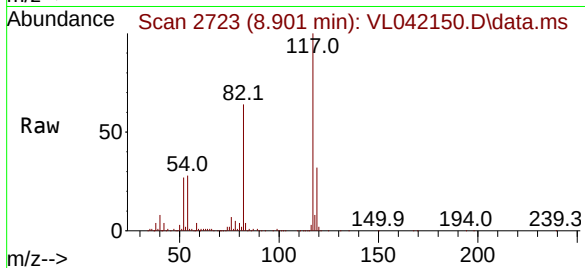
Tgt Ion:117 Resp: 337104

Ion Ratio Lower Upper

117 100

82 67.5 55.0 82.6

119 31.3 25.9 38.9



#56

1,1,1,2-Tetrachloroethane

Concen: 9.709 ppbv

RT: 8.943 min Scan# 2736

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

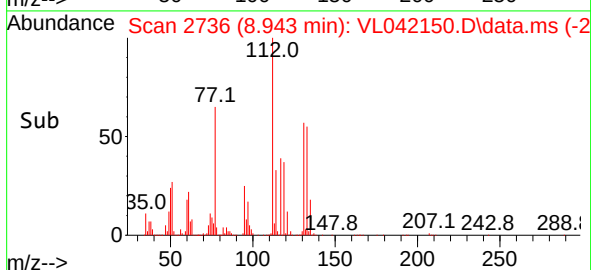
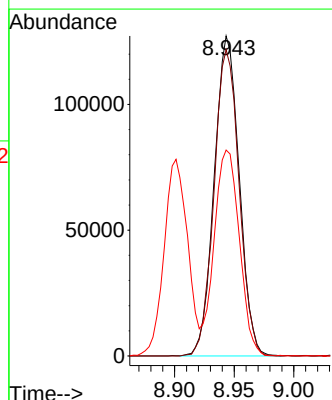
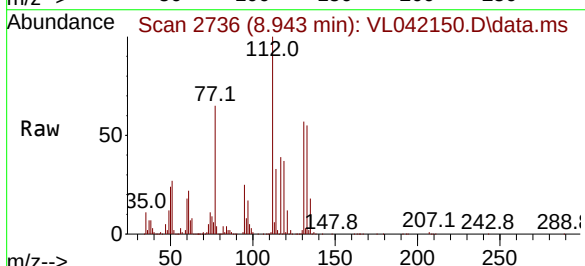
Tgt Ion:131 Resp: 184992

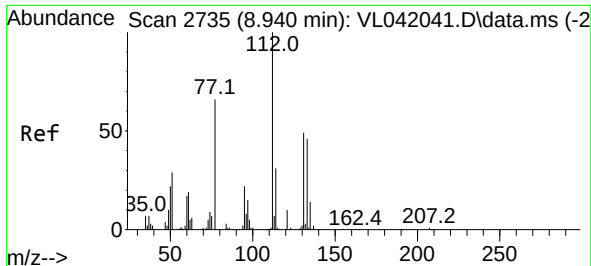
Ion Ratio Lower Upper

131 100

133 96.2 75.8 113.8

119 65.5 52.1 78.1

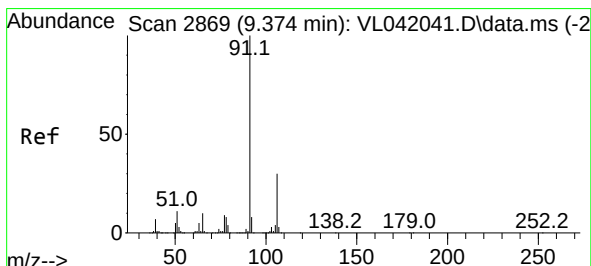
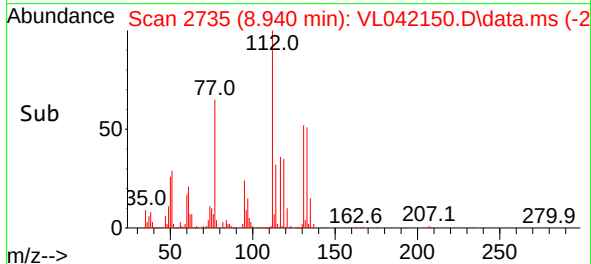
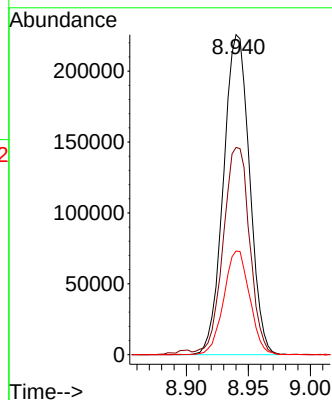
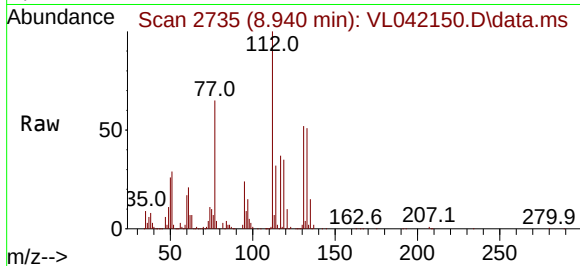




#57
Chlorobenzene
Concen: 9.485 ppbv
RT: 8.940 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

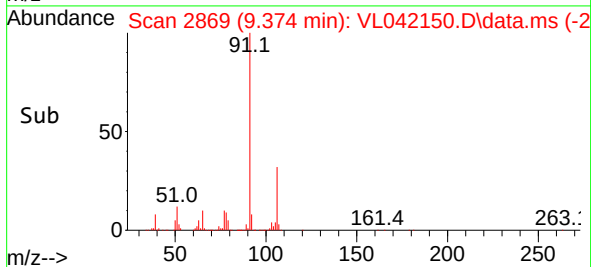
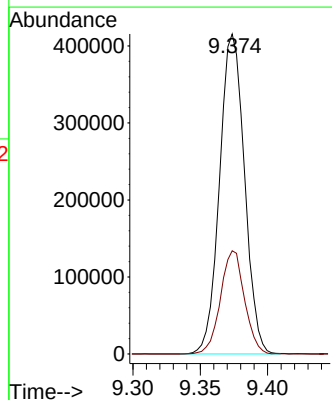
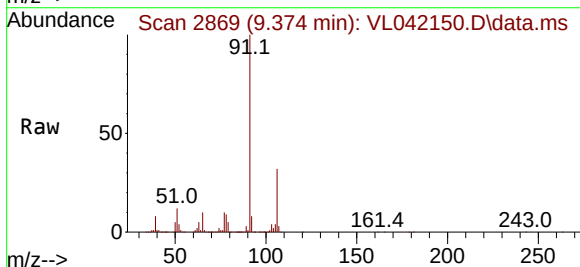
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

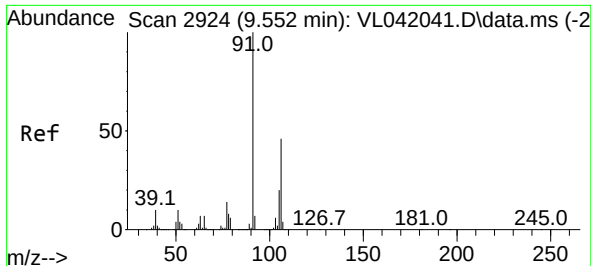
Tgt Ion:112 Resp: 331509
Ion Ratio Lower Upper
112 100
77 64.6 53.4 80.2
114 32.3 28.3 34.5



#58
Ethyl Benzene
Concen: 8.610 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 534526
Ion Ratio Lower Upper
91 100
106 32.3 24.2 36.2

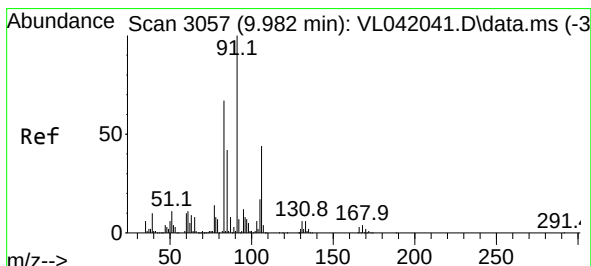
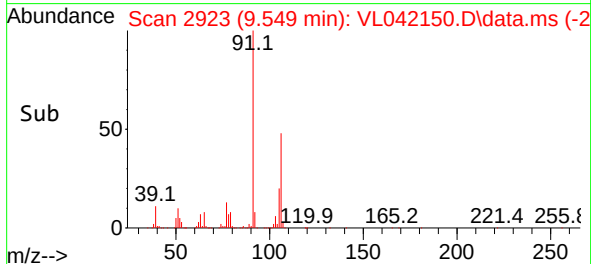
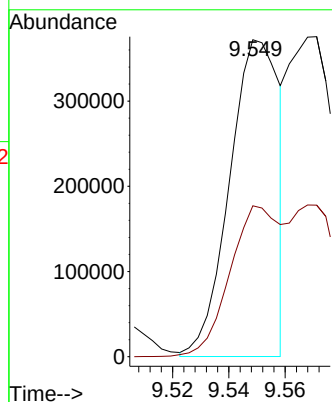
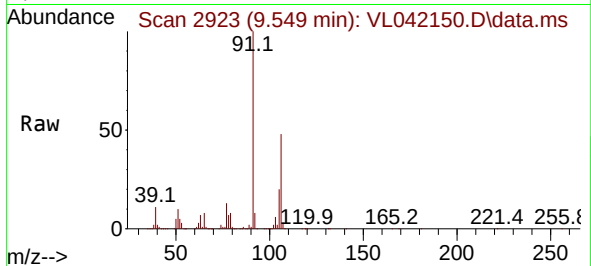




#59
m/p-Xylene
Concen: 9.181 ppbv
RT: 9.549 min Scan# 2924
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

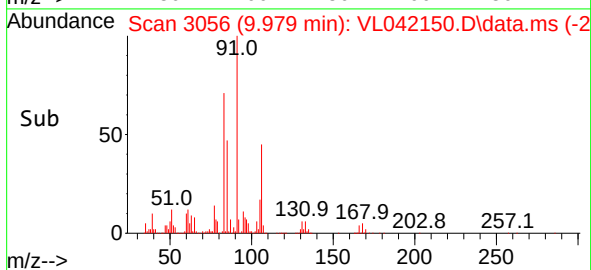
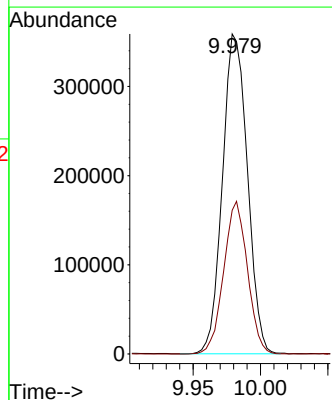
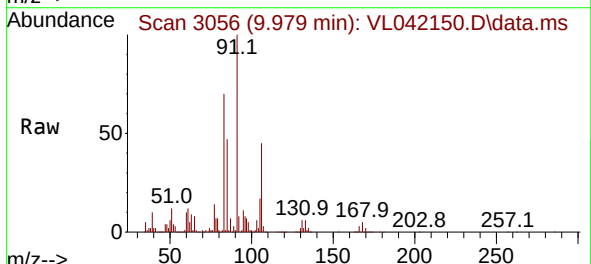
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

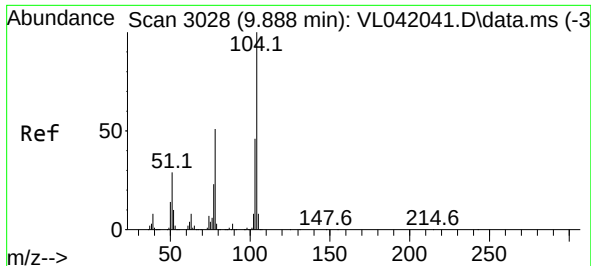
Tgt Ion: 91 Resp: 453561
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 9.313 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 462522
Ion Ratio Lower Upper
91 100
106 45.5 22.3 66.8

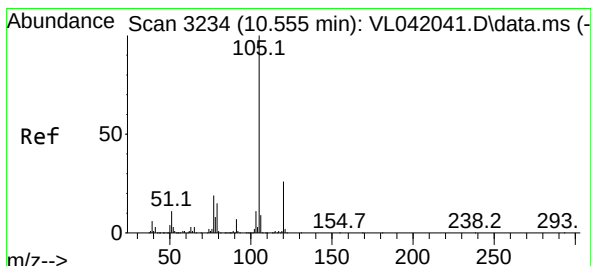
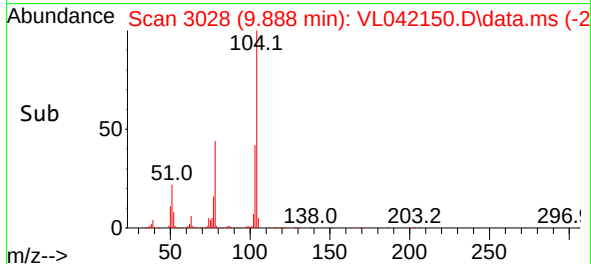
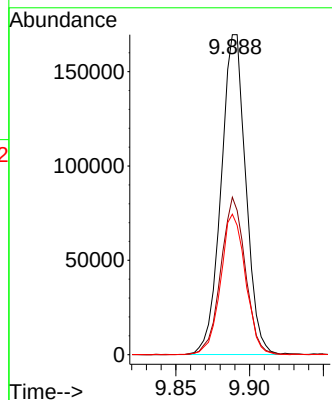
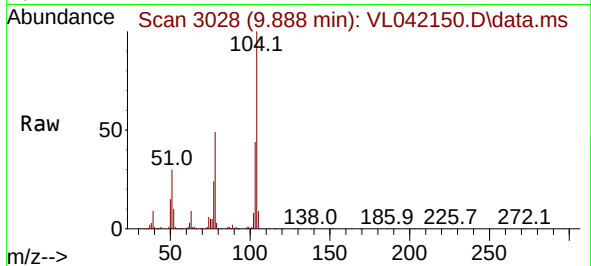




#61
Styrene
Concen: 8.473 ppbv
RT: 9.888 min Scan# 3028
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

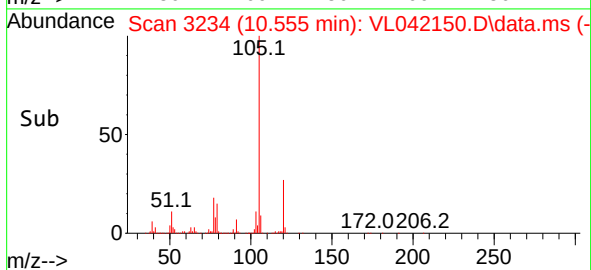
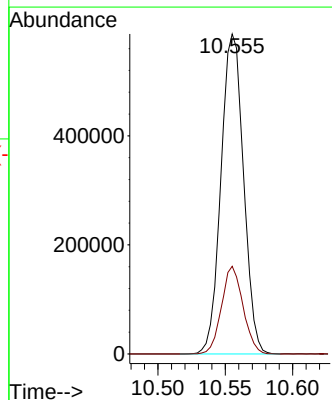
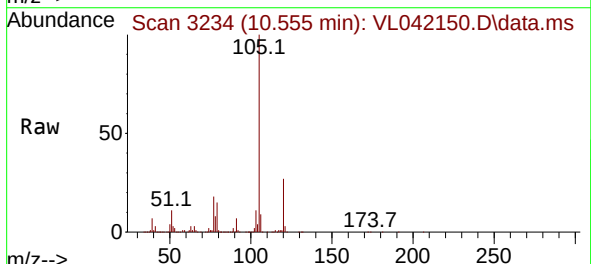
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

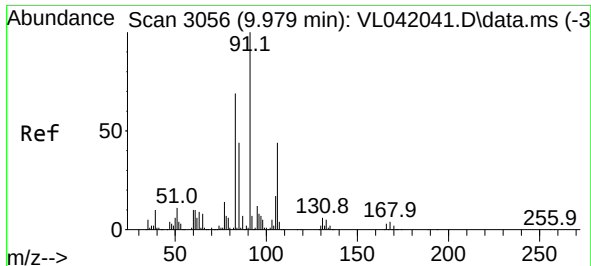
Tgt Ion:104 Resp: 197855
Ion Ratio Lower Upper
104 100
78 49.1 41.0 61.4
103 44.4 37.0 55.6



#62
Isopropylbenzene
Concen: 9.185 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion:105 Resp: 683249
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1

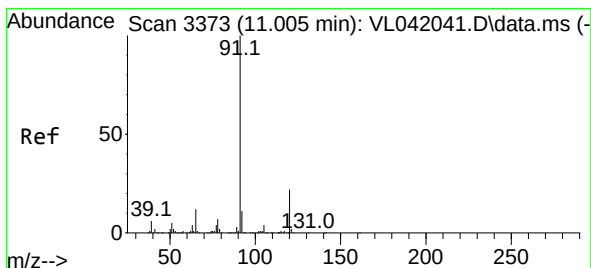
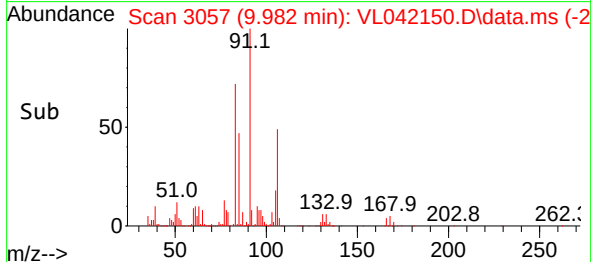
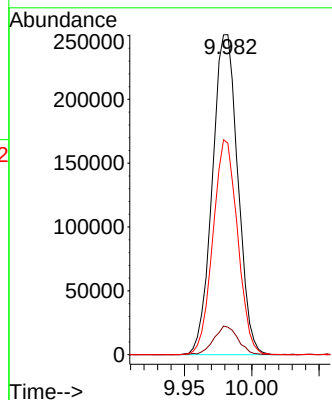
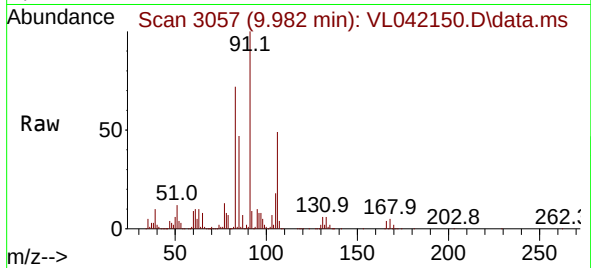




#63
1,1,2,2-Tetrachloroethane
Concen: 10.088 ppbv
RT: 9.982 min Scan# 3056
Delta R.T. 0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

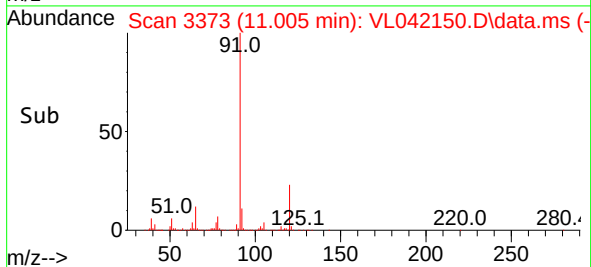
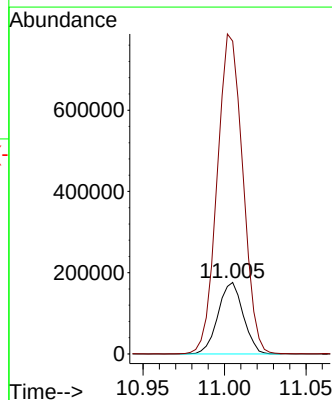
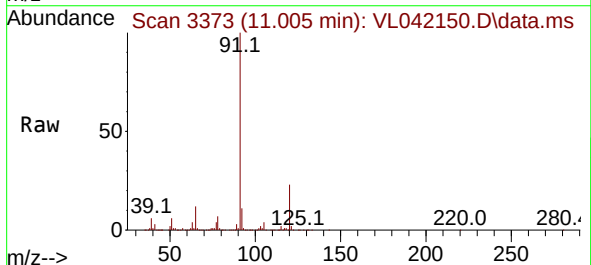
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

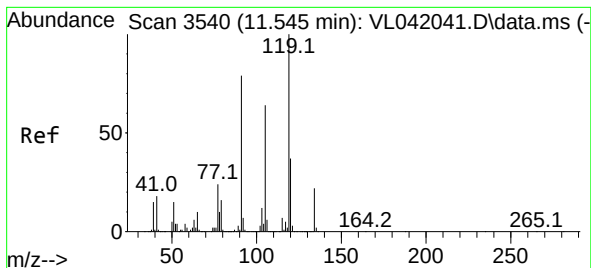
Tgt Ion: 83 Resp: 329971
Ion Ratio Lower Upper
83 100
131 8.5 4.5 13.7
85 65.0 32.1 96.3



#64
n-propylbenzene
Concen: 9.671 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 120 Resp: 188690
Ion Ratio Lower Upper
120 100
91 457.3 370.6 556.0





#65

tert-Butylbenzene

Concen: 9.308 ppbv

RT: 11.546 min Scan# 3540

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

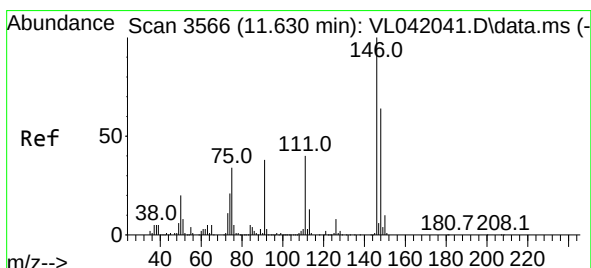
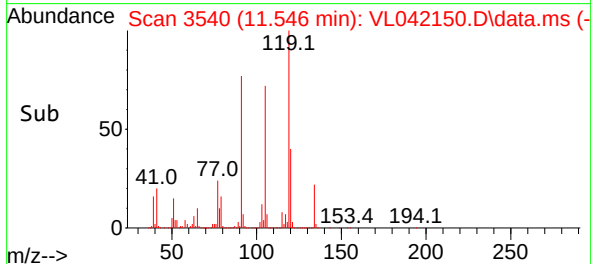
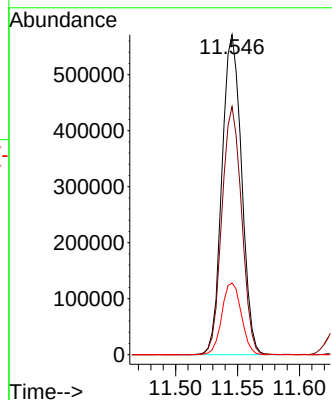
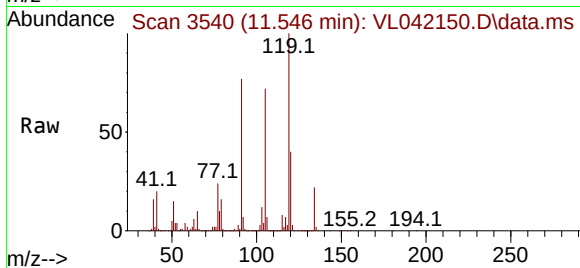
Tgt Ion:119 Resp: 630108

Ion Ratio Lower Upper

119 100

91 77.8 64.2 96.2

134 22.2 17.4 26.2



#66

Benzyl Chloride

Concen: 8.734 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. -0.003 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

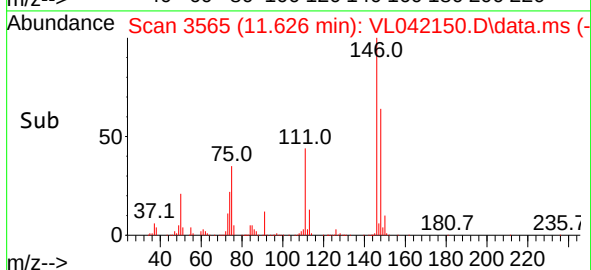
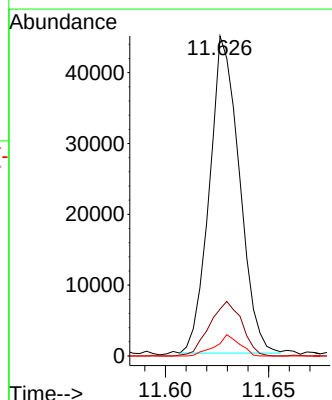
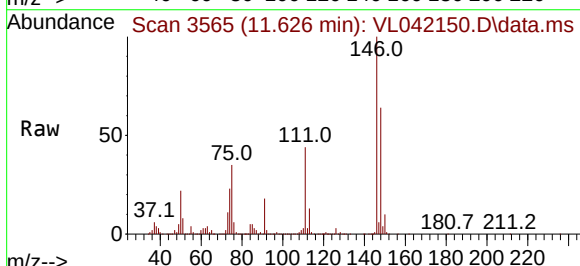
Tgt Ion: 91 Resp: 45119

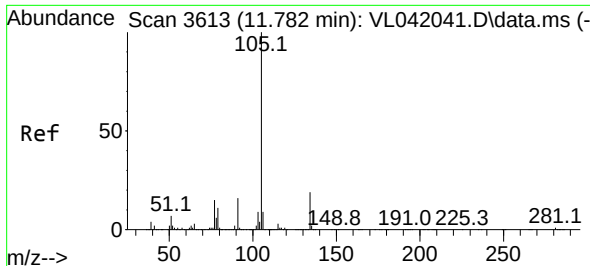
Ion Ratio Lower Upper

91 100

126 18.7 14.5 21.7

128 5.4 5.4 8.2#

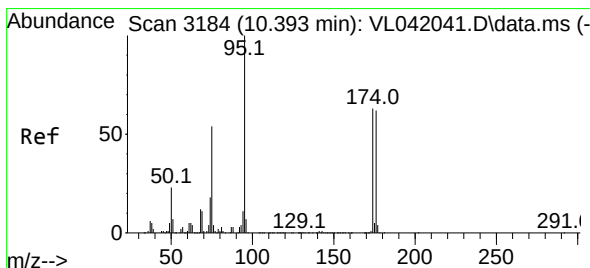
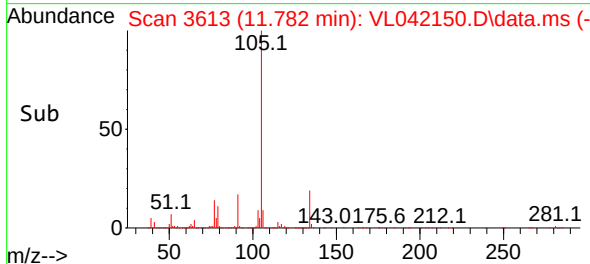
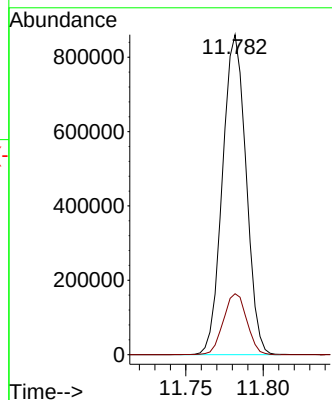
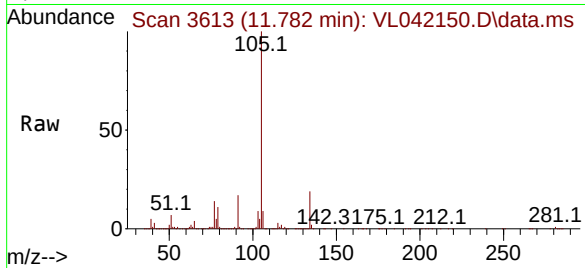




#67
 sec-Butylbenzene
 Concen: 9.410 ppbv
 RT: 11.782 min Scan# 3613
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

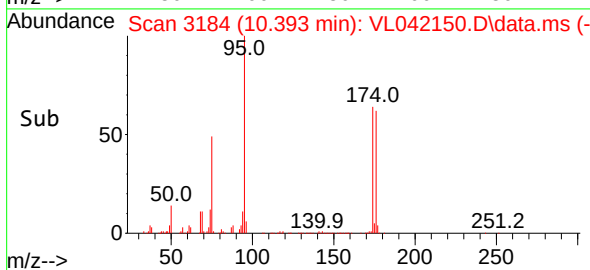
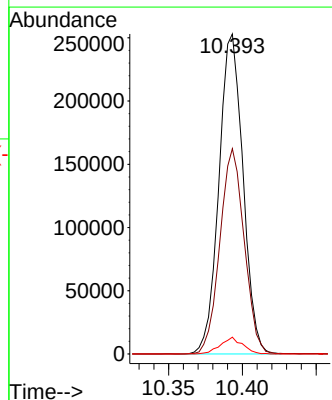
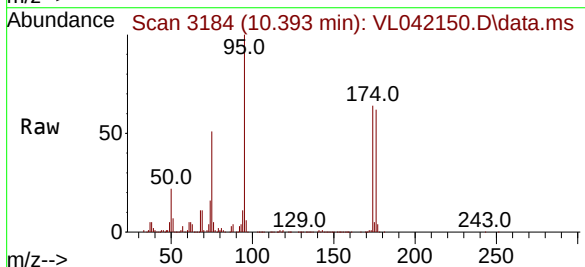
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

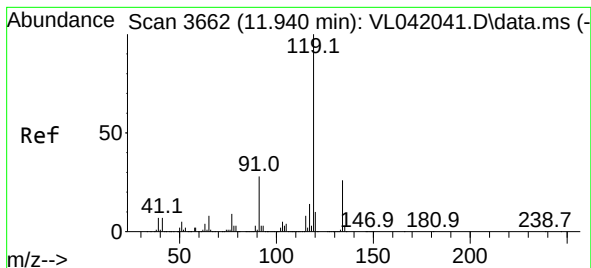
Tgt Ion:105 Resp: 911015
 Ion Ratio Lower Upper
 105 100
 134 19.0 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.060 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

Tgt Ion: 95 Resp: 286841
 Ion Ratio Lower Upper
 95 100
 174 64.9 51.8 77.6
 175 4.8 3.9 5.9

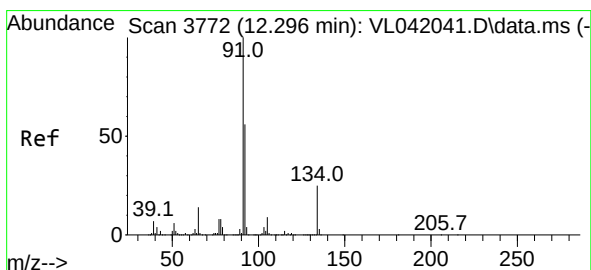
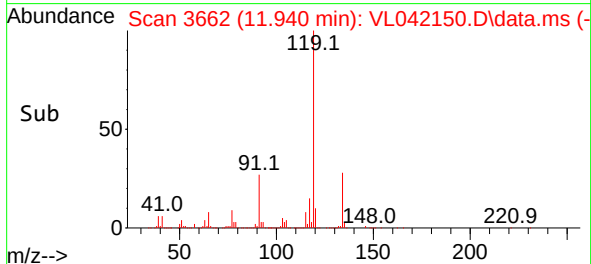
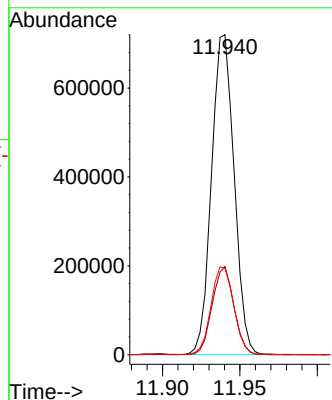
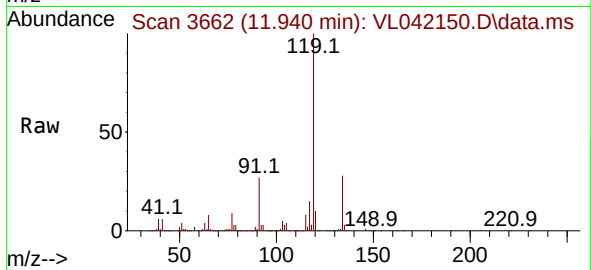




#69
p-Isopropyltoluene
Concen: 9.476 ppbv
RT: 11.940 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

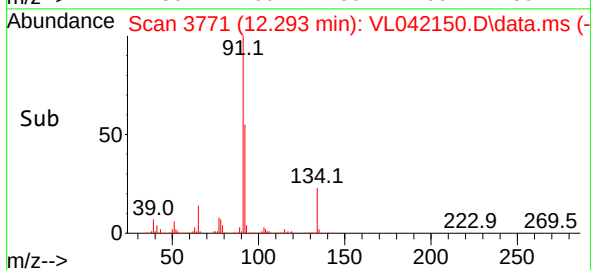
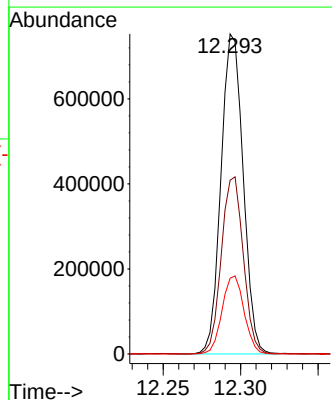
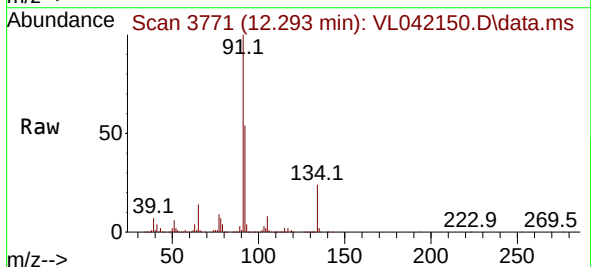
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

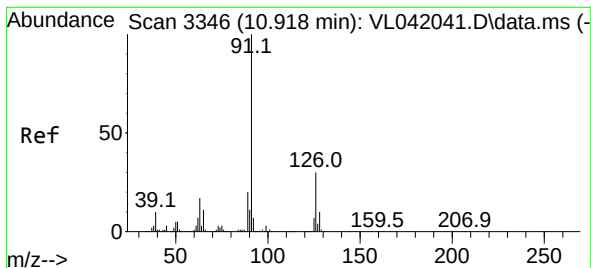
Tgt Ion:119 Resp: 729864
Ion Ratio Lower Upper
119 100
134 26.5 20.9 31.3
91 27.8 23.1 34.7



#70
n-Butylbenzene
Concen: 9.531 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042150.D
Acq: 17 Mar 2025 09:55

Tgt Ion: 91 Resp: 749368
Ion Ratio Lower Upper
91 100
92 55.1 44.7 67.1
134 24.2 18.9 28.3





#71

2-Chlorotoluene

Concen: 8.901 ppbv

RT: 10.918 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

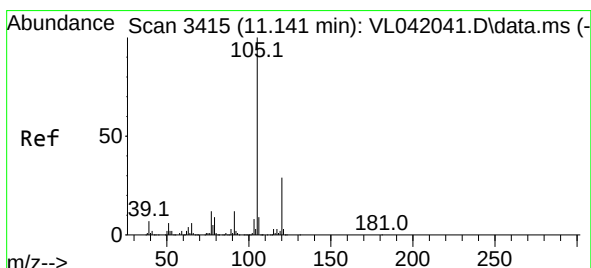
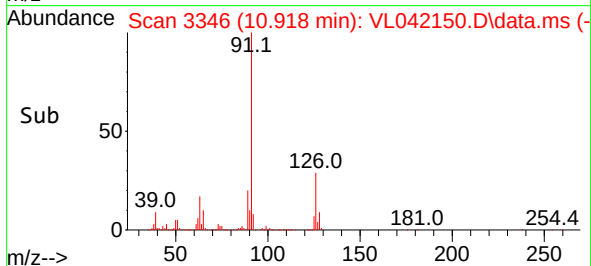
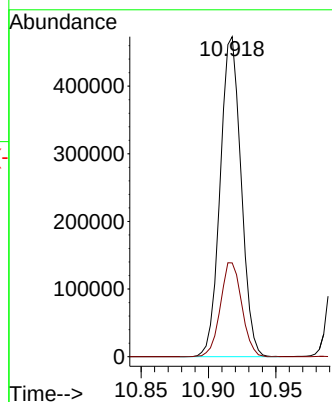
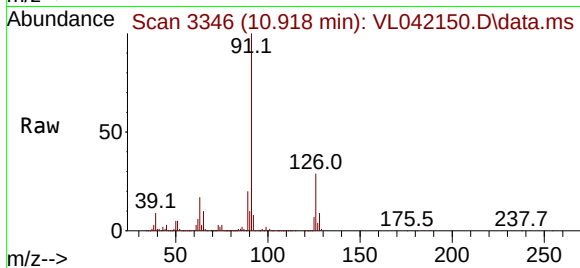
VSTDCCC010

Tgt Ion: 91 Resp: 510373

Ion Ratio Lower Upper

91 100

126 30.0 11.9 47.5



#72

4-Ethyltoluene

Concen: 9.321 ppbv

RT: 11.141 min Scan# 3415

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Tgt Ion: 105 Resp: 565254

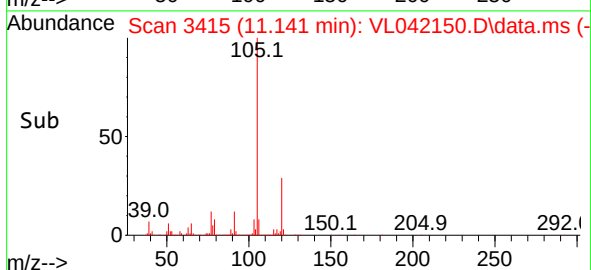
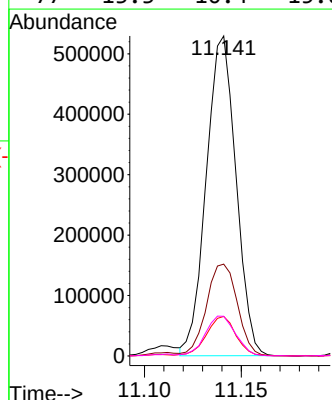
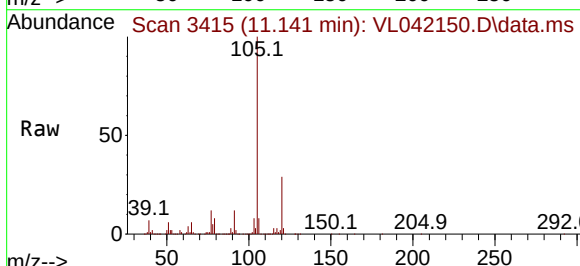
Ion Ratio Lower Upper

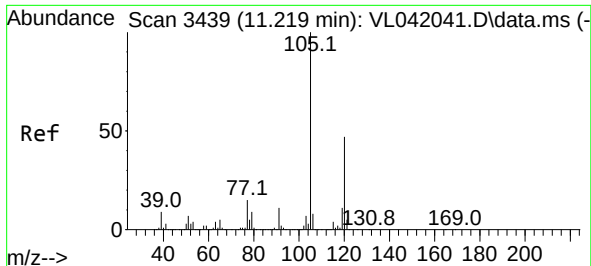
105 100

120 30.9 24.1 36.1

91 12.6 10.2 15.4

77 13.3 10.4 15.6

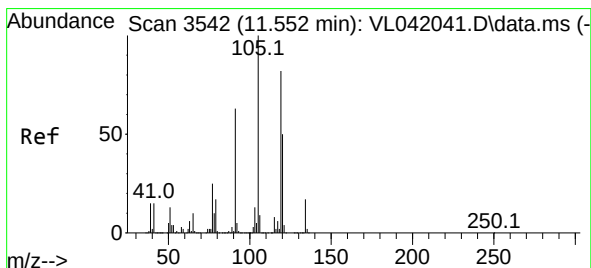
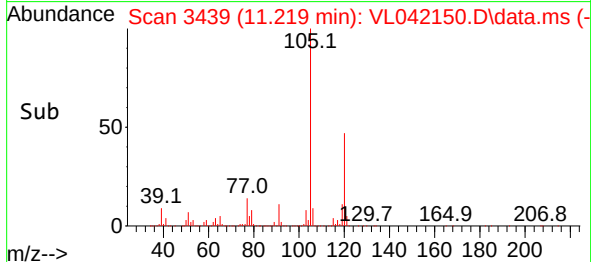
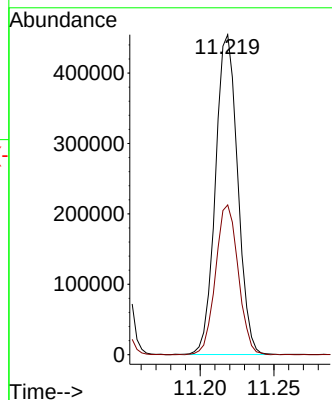
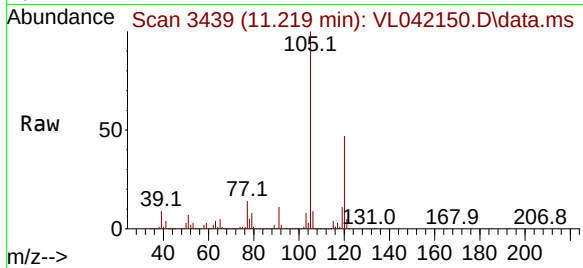




#73
 1,3,5-Trimethylbenzene
 Concen: 9.043 ppbv
 RT: 11.219 min Scan# 3439
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

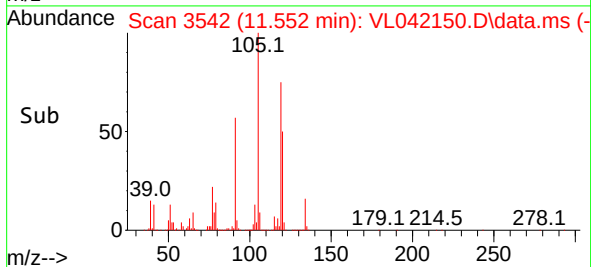
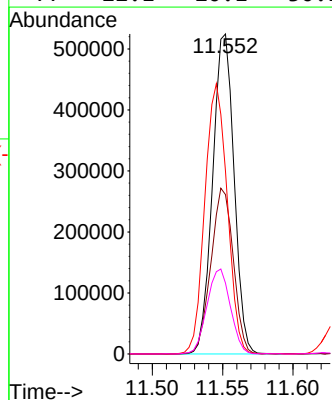
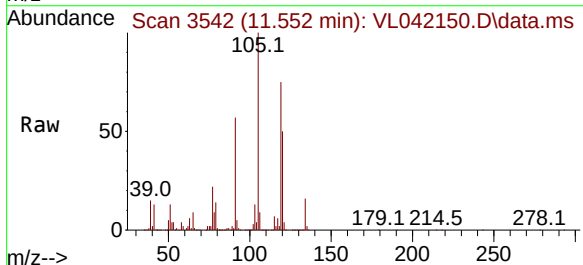
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

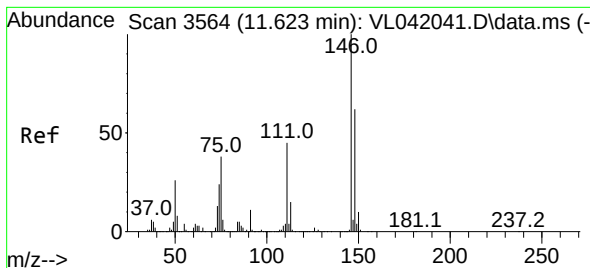
Tgt Ion:105 Resp: 475661
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.4 56.0



#74
 1,2,4-Trimethylbenzene
 Concen: 9.378 ppbv
 RT: 11.552 min Scan# 3542
 Delta R.T. 0.000 min
 Lab File: VL042150.D
 Acq: 17 Mar 2025 09:55

Tgt Ion:105 Resp: 555462
 Ion Ratio Lower Upper
 105 100
 120 49.7 40.2 60.2
 91 57.0 51.4 77.2
 77 22.1 20.1 30.1





#75

1,3-Dichlorobenzene

Concen: 9.640 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

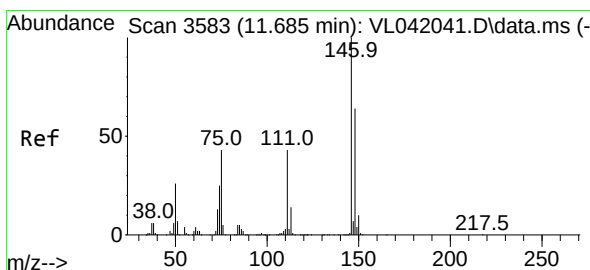
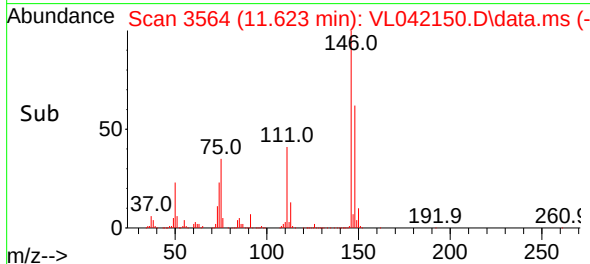
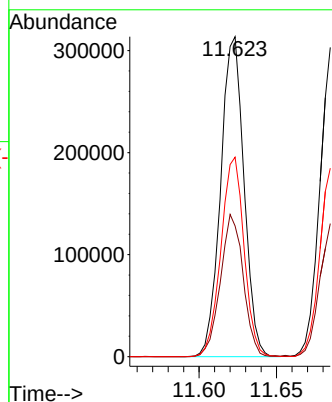
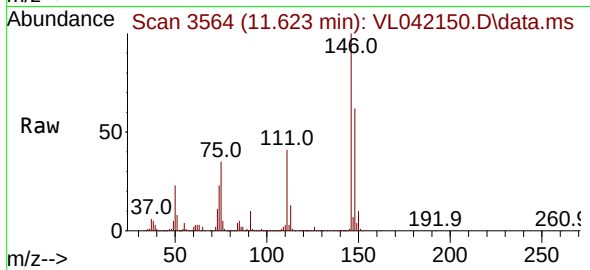
Tgt Ion:146 Resp: 328628

Ion Ratio Lower Upper

146 100

111 43.5 22.4 67.2

148 62.0 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 9.389 ppbv

RT: 11.685 min Scan# 3583

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

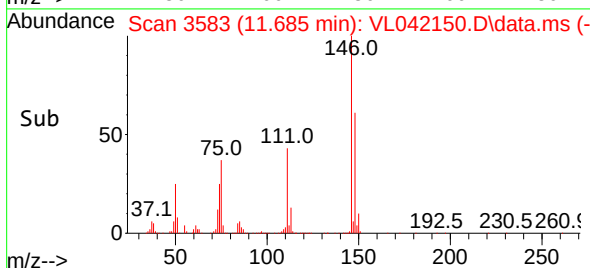
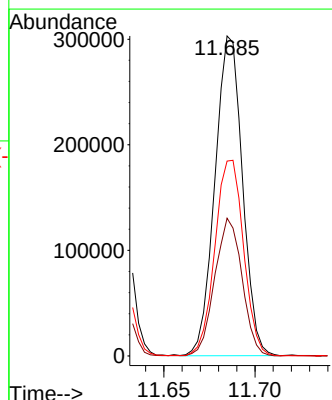
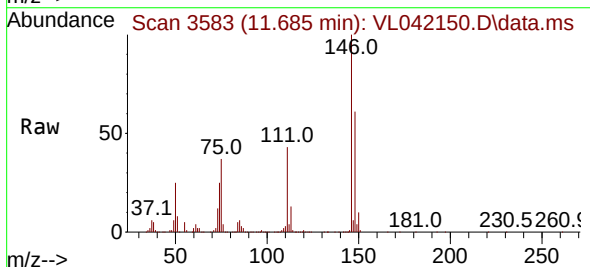
Tgt Ion:146 Resp: 317775

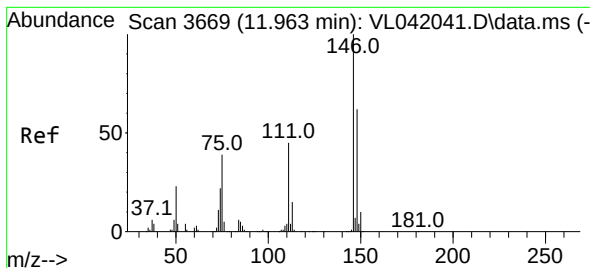
Ion Ratio Lower Upper

146 100

111 42.9 21.5 64.5

148 64.1 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 9.758 ppbv

RT: 11.960 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

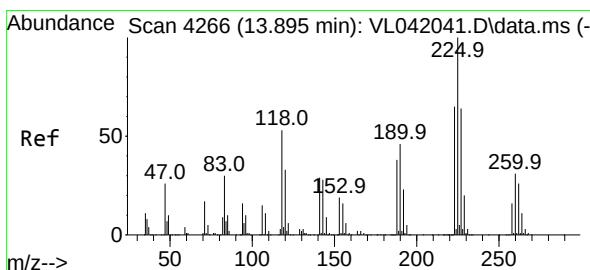
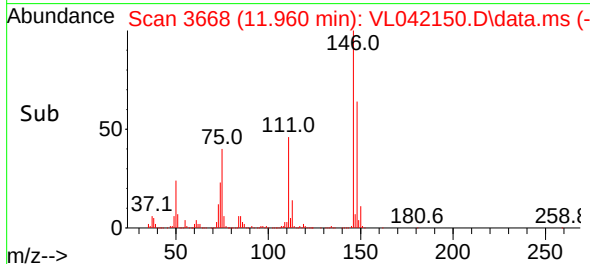
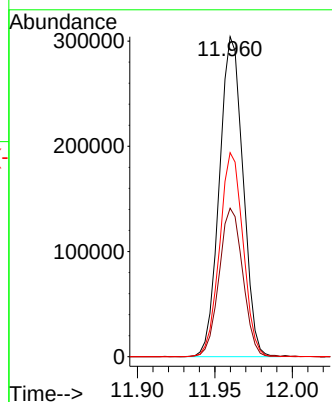
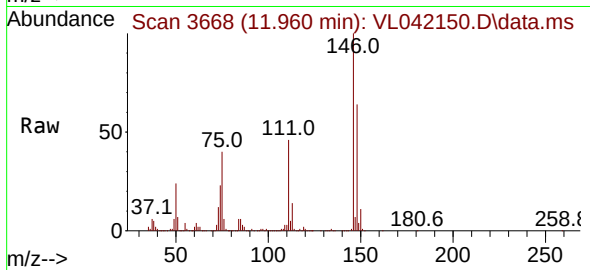
Tgt Ion:146 Resp: 322801

Ion Ratio Lower Upper

146 100

111 46.5 23.2 69.6

148 63.4 31.4 94.2



#78

Hexachloro-1,3-Butadiene

Concen: 8.772 ppbv

RT: 13.892 min Scan# 4265

Delta R.T. -0.003 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

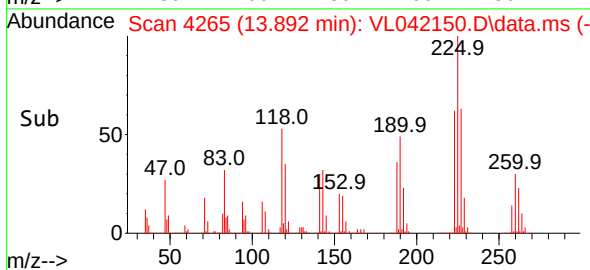
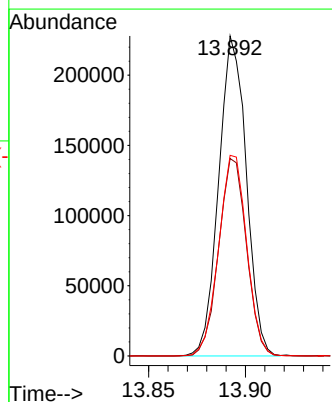
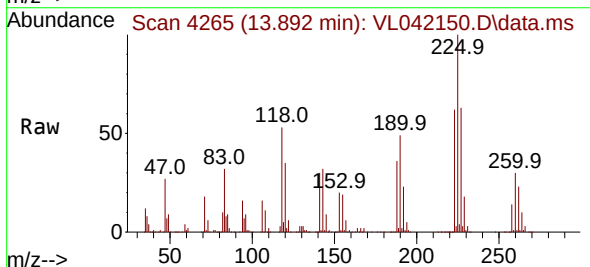
Tgt Ion:225 Resp: 225792

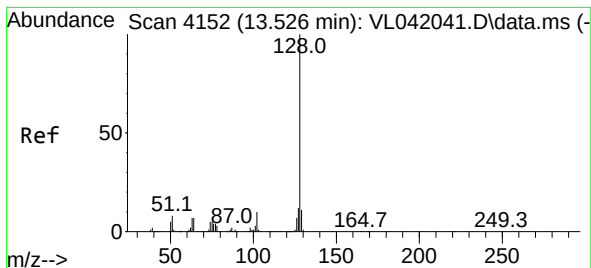
Ion Ratio Lower Upper

225 100

223 62.3 50.2 75.2

227 63.9 50.8 76.2





#79

Naphthalene

Concen: 11.545 ppbv

RT: 13.526 min Scan# 4152

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

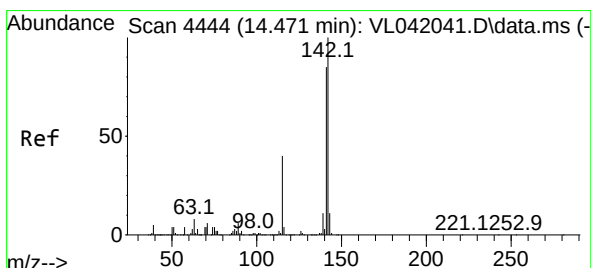
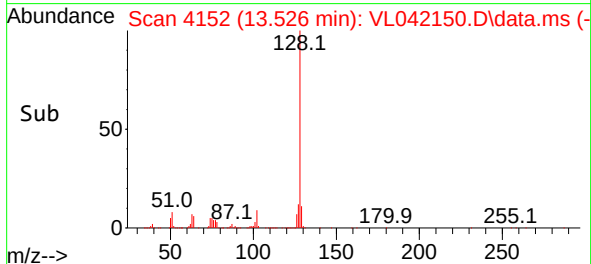
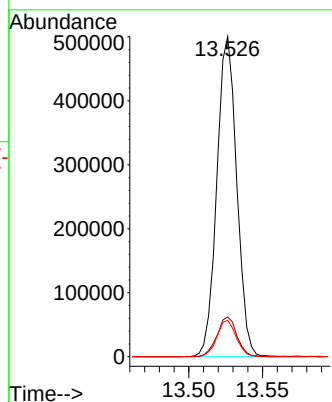
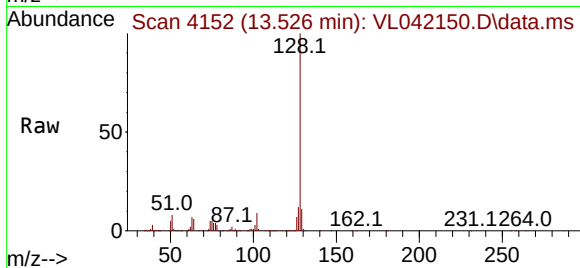
Tgt Ion:128 Resp: 468885

Ion Ratio Lower Upper

128 100

127 12.4 9.8 14.6

129 11.3 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 12.224 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. 0.000 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

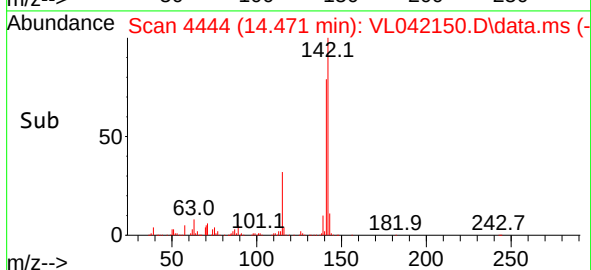
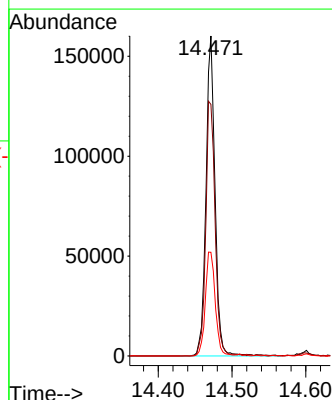
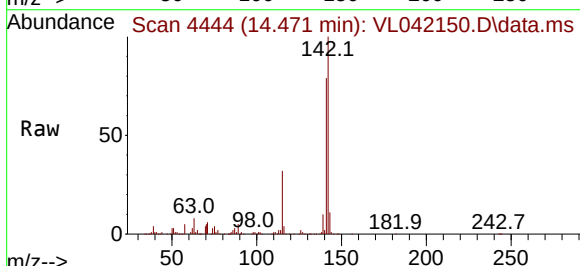
Tgt Ion:142 Resp: 135870

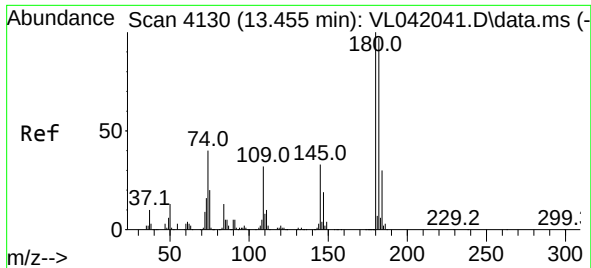
Ion Ratio Lower Upper

142 100

141 83.6 65.8 98.6

115 36.3 29.5 44.3





#81

1,2,4-Trichlorobenzene

Concen: 9.305 ppbv

RT: 13.452 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042150.D

Acq: 17 Mar 2025 09:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 210617

Ion Ratio Lower Upper

180 100

182 96.7 75.1 112.7

184 30.7 23.8 35.6

