

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042077.D
 Acq On : 03 Mar 2025 15:19
 Operator : SY/MD
 Sample : VL0303ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

Quant Time: Mar 04 00:17:54 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	2.787	49	157956	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.959	114	356972	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.882	117	309763	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	242622	10.181	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	174930	10.650	ppbv	99
3) Chlorodifluoromethane	1.476	51	222297	9.683	ppbv	100
4) Chloromethane	1.531	50	62156	10.233	ppbv	97
5) Vinyl Chloride	1.580	62	59385	10.336	ppbv	100
6) Bromomethane	1.667	94	28458	10.402	ppbv	97
7) Chloroethane	1.703	64	24205	10.368	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	142918	10.584	ppbv	98
9) Propene	1.483	41	90270	9.652	ppbv	98
10) Heptane	4.978	43	279114	9.585	ppbv	97
11) Trichlorofluoromethane	1.878	101	191850	11.657	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	147601	11.243	ppbv	95
13) Ethanol	1.722	45	3648	6.145	ppbv	97
14) Bromoethene	1.780	108	48227	10.403	ppbv	100
15) Acetone	1.835	43	137515	9.858	ppbv	100
16) 1,3-Butadiene	1.609	39	64593	9.950	ppbv	97
17) tert-Butyl alcohol	2.039	59	167124	9.576	ppbv	100
18) 1,1-Dichloroethene	2.033	96	61659	10.394	ppbv	91
19) Isopropyl Alcohol	1.887	45	78936	9.851	ppbv	98
20) Methylene Chloride	2.062	84	52065	9.868	ppbv	96
21) Allyl Chloride	2.098	41	105683	10.486	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	70753	10.232	ppbv	93
23) Vinyl Acetate	2.463	43	74937	7.640	ppbv	98
24) 1,1-Dichloroethane	2.408	63	137183	10.661	ppbv	100
25) Ethyl Acetate	2.836	43	548497	9.824	ppbv	99
26) Hexane	2.826	57	207965	9.213	ppbv	92
27) Carbon Disulfide	2.149	76	168252	10.996	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	94112	8.374	ppbv	100
29) Chloroform	2.849	83	286765	9.439	ppbv	97
30) Cyclohexane	3.858	84	163145	8.905	ppbv	91
31) cis-1,2-Dichloroethene	2.722	61	199200	9.322	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	269140	9.133	ppbv	95
34) 2-Butanone	2.557	43	313084	11.258	ppbv	95
35) Carbon Tetrachloride	3.765	117	268731	10.917	ppbv	96
36) Benzene	3.658	78	390842	10.459	ppbv	96
37) 1,2-Dichloroethane	3.218	62	227067	10.959	ppbv	98
38) Trichloroethene	4.551	130	148971	9.762	ppbv	94
39) 1,2-Dichloropropane	4.315	63	151311	10.668	ppbv	96
40) 1,4-Dioxane	4.587	88	67241	10.385	ppbv #	91
41) Tetrahydrofuran	3.056	42	183578	11.172	ppbv	93
42) Bromodichloromethane	4.490	83	302583	10.839	ppbv	100
43) Methyl Methacrylate	4.881	69	150871	10.338	ppbv	91
44) 2,2,4-Trimethylpentane	4.638	57	718377	10.892	ppbv	98
45) t-1,3-Dichloropropene	6.415	75	139814	9.643	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042077.D
 Acq On : 03 Mar 2025 15:19
 Operator : SY/MD
 Sample : VL0303ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

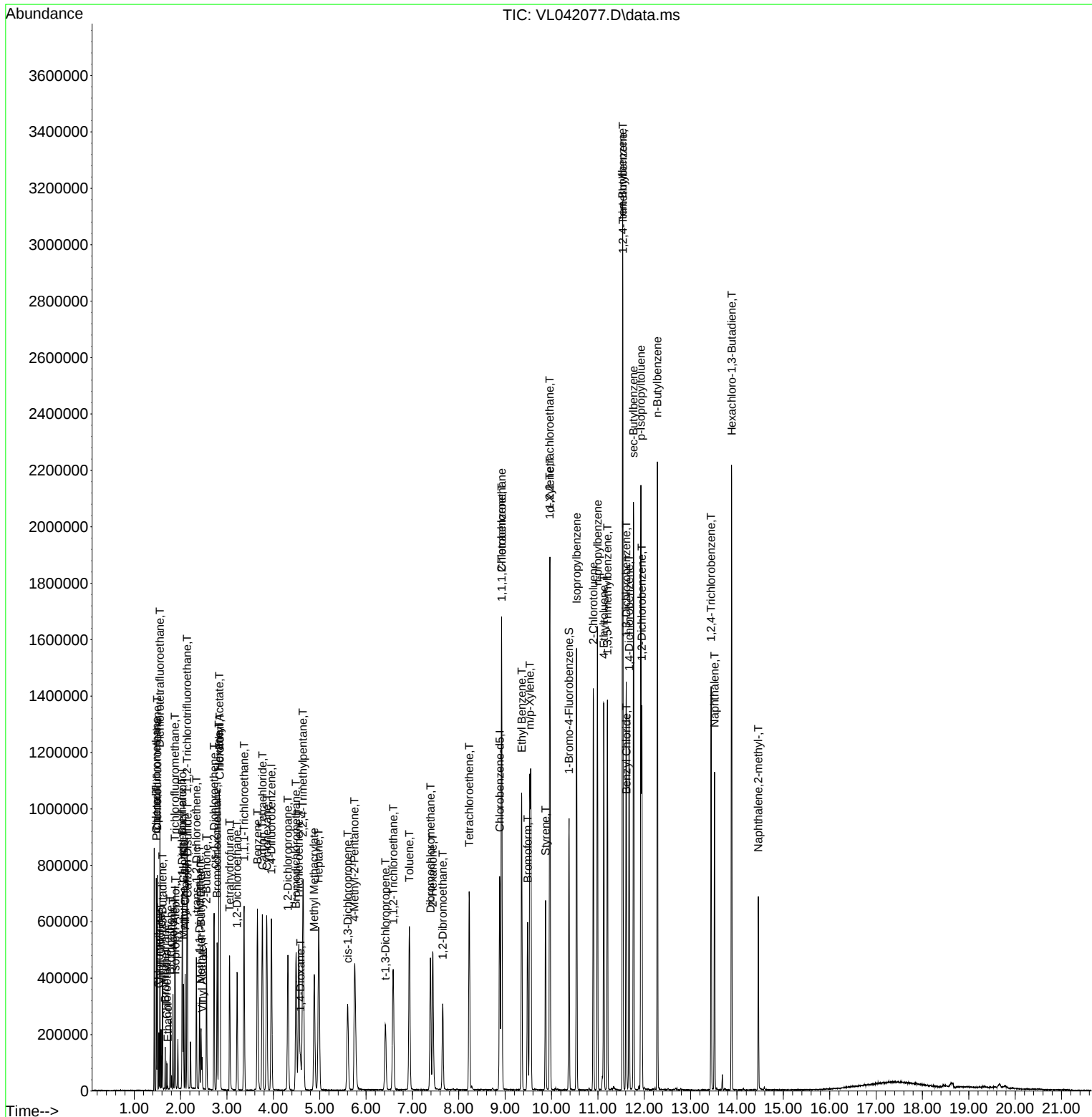
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

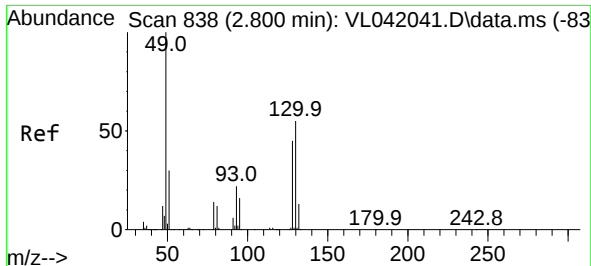
Quant Time: Mar 04 00:17:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	189075	10.077	ppbv	95
47) 1,1,2-Trichloroethane	6.587	97	146747	10.191	ppbv	97
48) Dibromochloromethane	7.390	129	229765	10.188	ppbv	99
49) Bromoform	9.487	173	205188	10.477	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	434273	12.074	ppbv	95
51) 2-Hexanone	7.438	43	347904	14.054	ppbv #	96
52) Tetrachloroethene	8.225	164	128803	10.068	ppbv	97
53) Toluene	6.933	91	428586	10.262	ppbv	97
54) 1,2-Dibromoethane	7.652	107	199250	10.235	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	181131	10.346	ppbv	99
57) Chlorobenzene	8.924	112	328409	10.225	ppbv	98
58) Ethyl Benzene	9.357	91	596825	10.462	ppbv	100
59) m/p-Xylene	9.532	91	501311	11.043	ppbv #	100
60) o-Xylene	9.966	91	488769	10.710	ppbv	100
61) Styrene	9.872	104	226533	10.558	ppbv	99
62) Isopropylbenzene	10.542	105	733758	10.735	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	327069	10.882	ppbv	99
64) n-propylbenzene	10.992	120	192573	10.741	ppbv	97
65) tert-Butylbenzene	11.532	119	643195	10.340	ppbv	98
66) Benzyl Chloride	11.617	91	39375	8.295	ppbv	98
67) sec-Butylbenzene	11.769	105	940060	10.567	ppbv	100
69) p-Isopropyltoluene	11.927	119	759761	10.734	ppbv	100
70) n-Butylbenzene	12.283	91	795433	11.010	ppbv	99
71) 2-Chlorotoluene	10.901	91	553780	10.510	ppbv	99
72) 4-Ethyltoluene	11.128	105	592316	10.629	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	508702	10.524	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	557804	10.248	ppbv	97
75) 1,3-Dichlorobenzene	11.610	146	328061	10.473	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	328671	10.568	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	324906	10.688	ppbv	100
78) Hexachloro-1,3-Butadiene	13.886	225	232449	9.827	ppbv	99
79) Naphthalene	13.517	128	503470	13.490	ppbv	98
80) Naphthalene,2-methyl-	14.462	142	184155	18.031	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	227832	10.954	ppbv	98

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

Quant Time: Mar 04 00:17:54 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

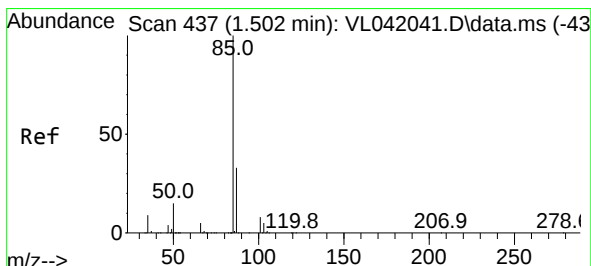
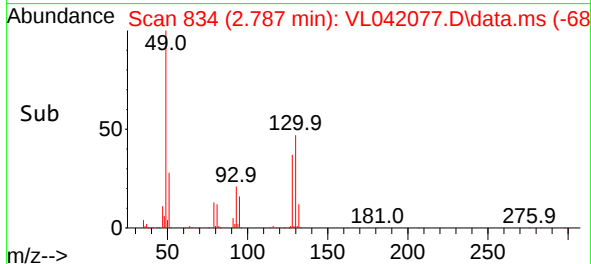
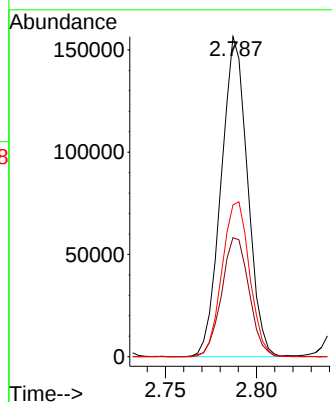
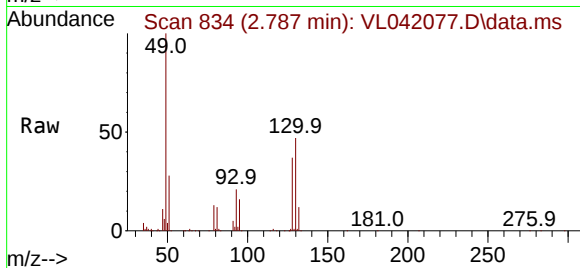




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. -0.013 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

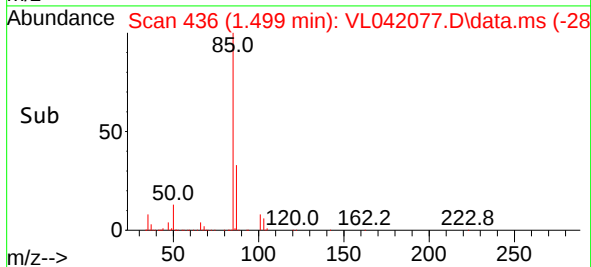
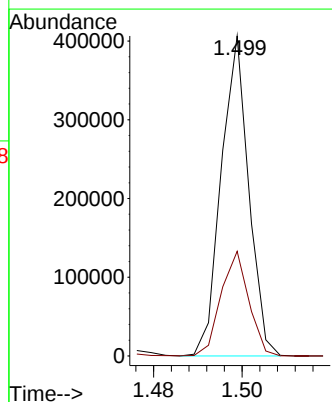
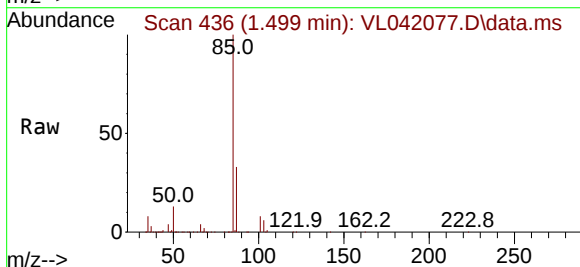
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

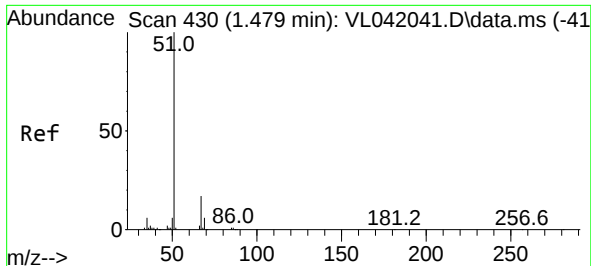
Tgt Ion: 49 Resp: 157956
 Ion Ratio Lower Upper
 49 100
 128 38.6 21.6 64.8
 130 50.3 27.8 83.4



#2
 Dichlorodifluoromethane
 Concen: 10.650 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.003 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Tgt Ion: 85 Resp: 174930
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.4 39.6

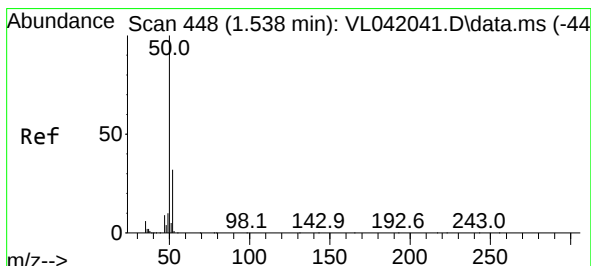
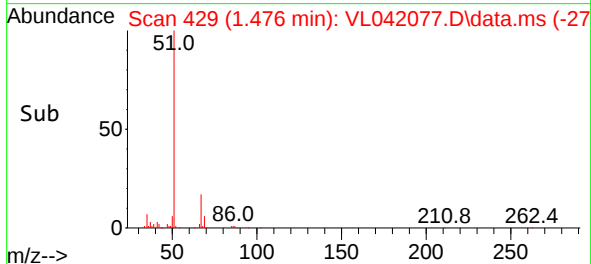
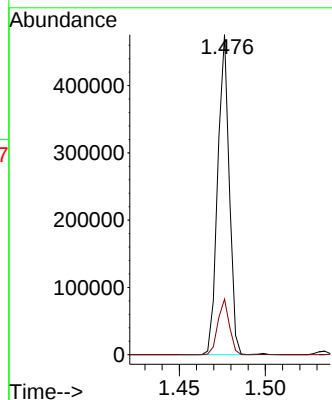
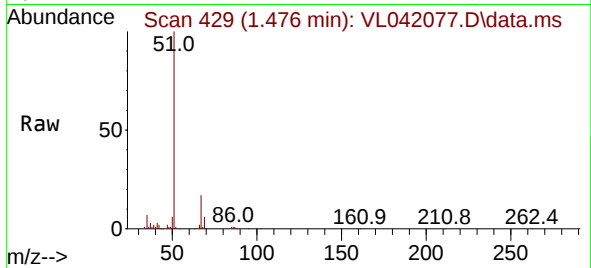




#3
Chlorodifluoromethane
Concen: 9.683 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

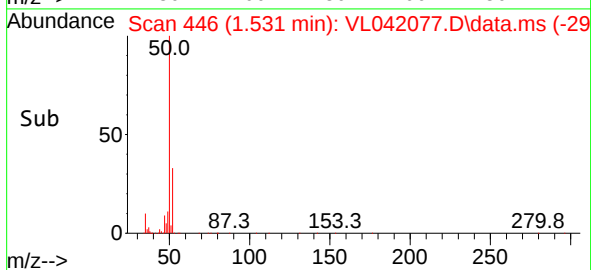
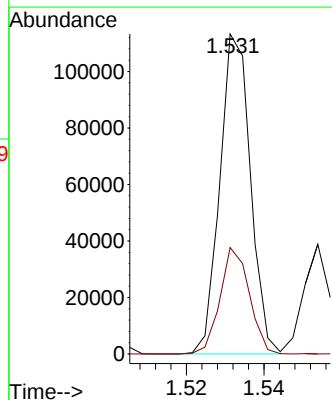
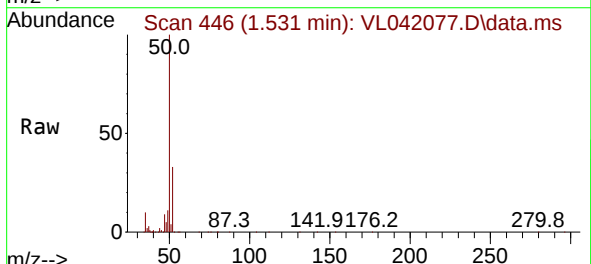
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

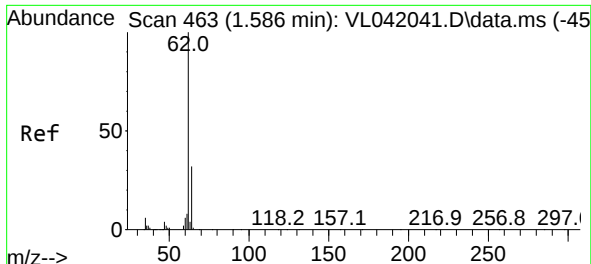
Tgt Ion: 51 Resp: 222297
Ion Ratio Lower Upper
51 100
67 17.3 13.7 20.5



#4
Chloromethane
Concen: 10.233 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.006 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 50 Resp: 62156
Ion Ratio Lower Upper
50 100
52 33.3 25.4 38.0

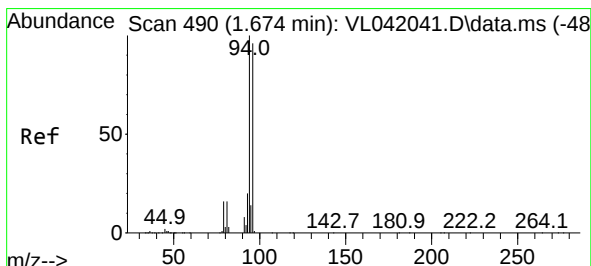
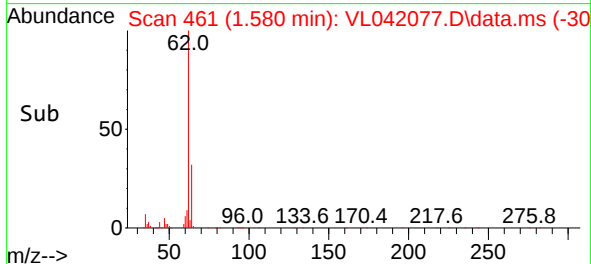
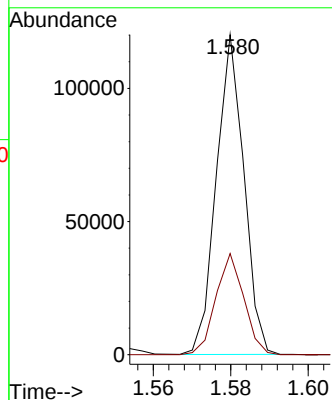
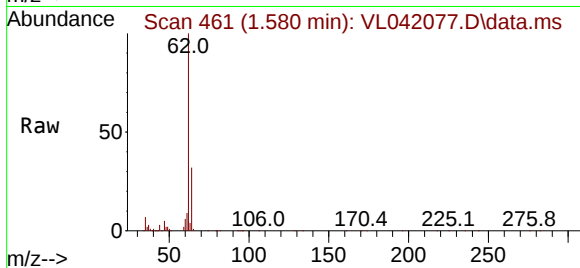




#5
 Vinyl Chloride
 Concen: 10.336 ppbv
 RT: 1.580 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

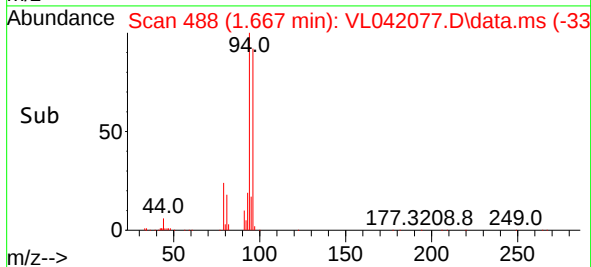
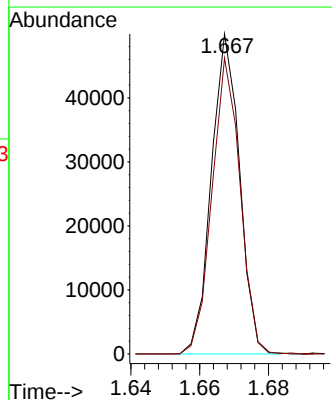
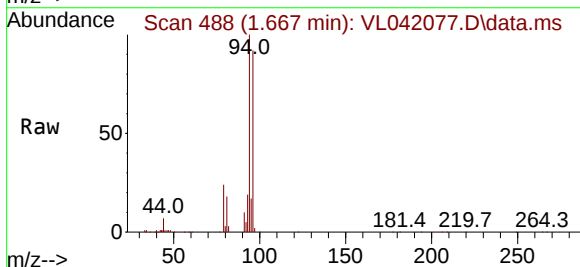
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

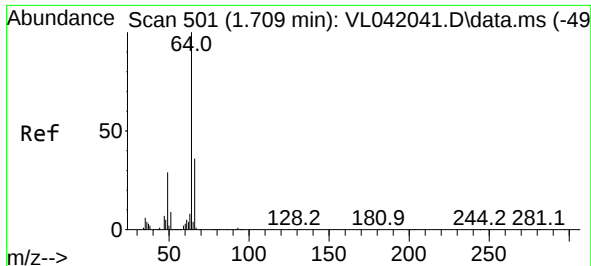
Tgt Ion: 62 Resp: 59385
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.3 37.9



#6
 Bromomethane
 Concen: 10.402 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.007 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Tgt Ion: 94 Resp: 28458
 Ion Ratio Lower Upper
 94 100
 96 92.3 76.5 114.7

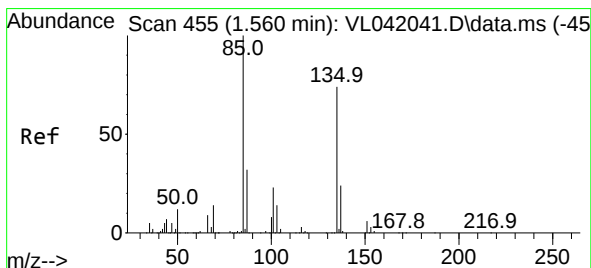
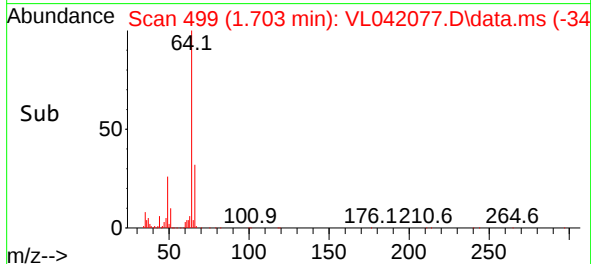
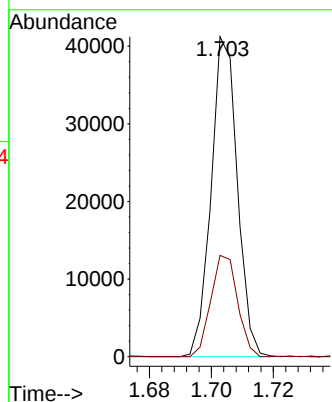
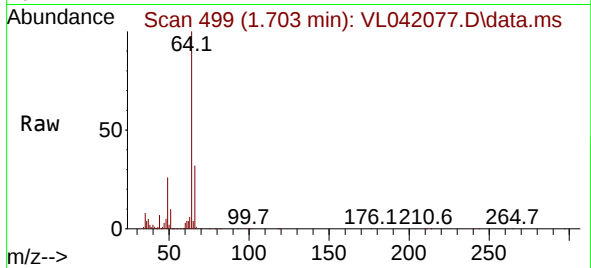




#7
Chloroethane
Concen: 10.368 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.006 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

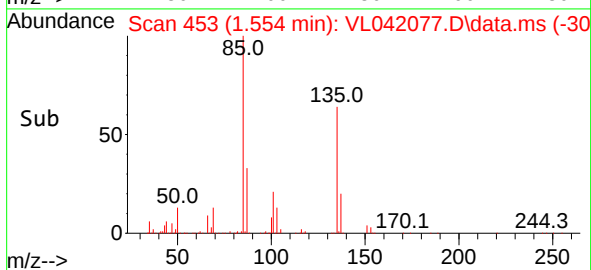
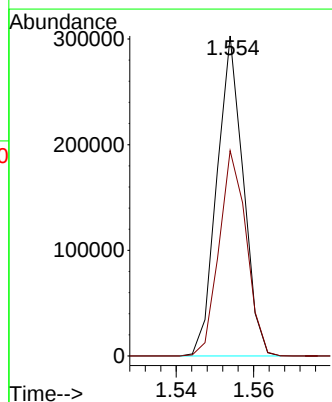
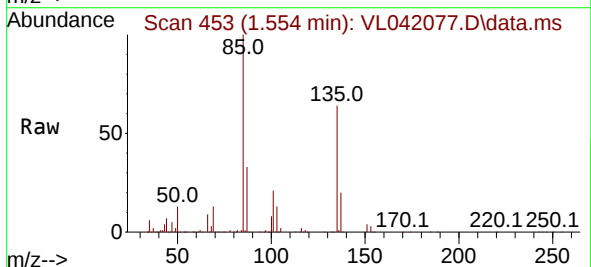
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

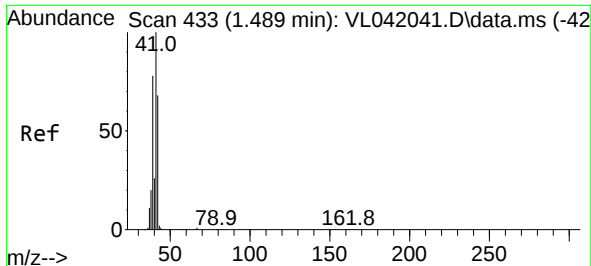
Tgt Ion: 64 Resp: 24205
Ion Ratio Lower Upper
64 100
66 31.7 28.4 42.6



#8
Dichlorotetrafluoroethane
Concen: 10.584 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.006 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 85 Resp: 142918
Ion Ratio Lower Upper
85 100
135 66.6 54.6 81.8





#9

Propene

Concen: 9.652 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

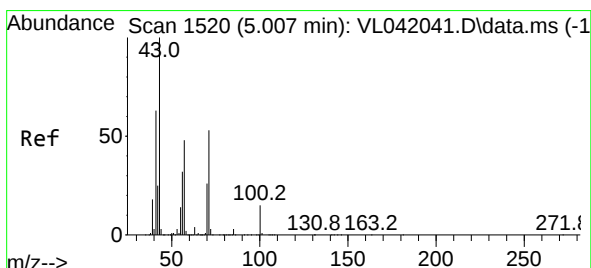
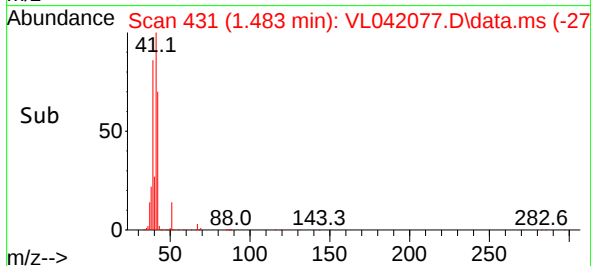
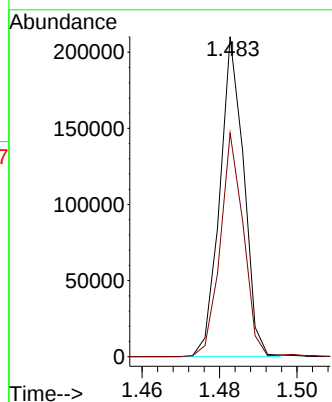
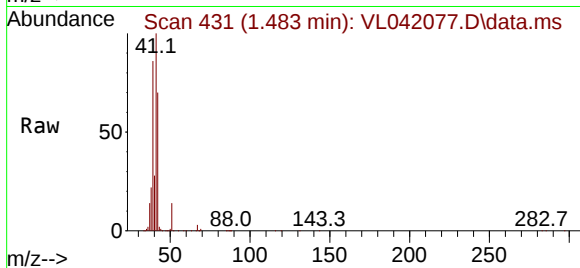
VL0303ABS01

Tgt Ion: 41 Resp: 90270

Ion Ratio Lower Upper

41 100

42 68.4 55.8 83.6



#10

Heptane

Concen: 9.585 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.029 min

Lab File: VL042077.D

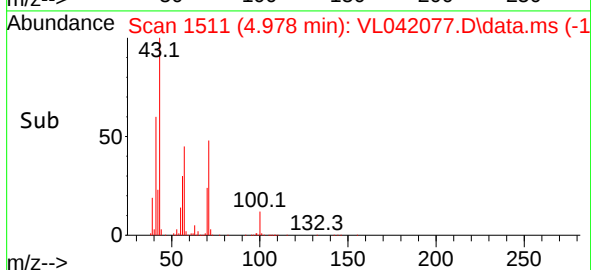
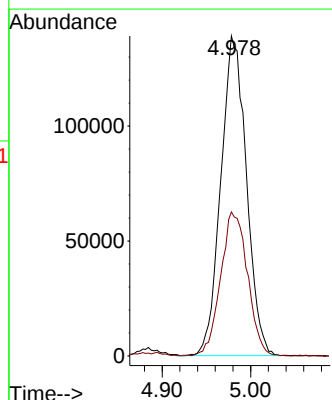
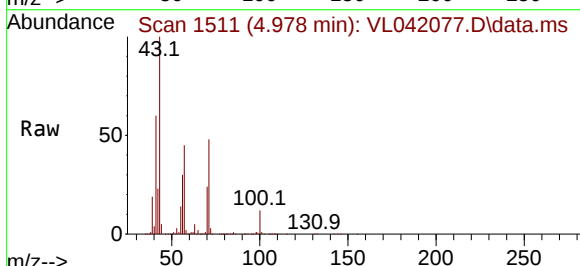
Acq: 03 Mar 2025 15:19

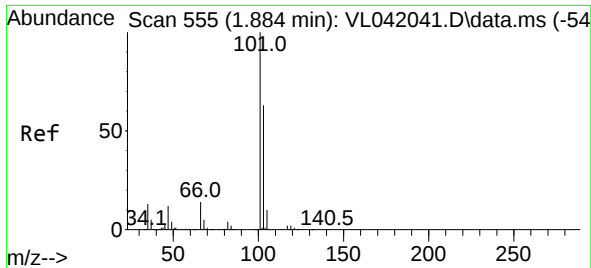
Tgt Ion: 43 Resp: 279114

Ion Ratio Lower Upper

43 100

57 47.3 39.4 59.0

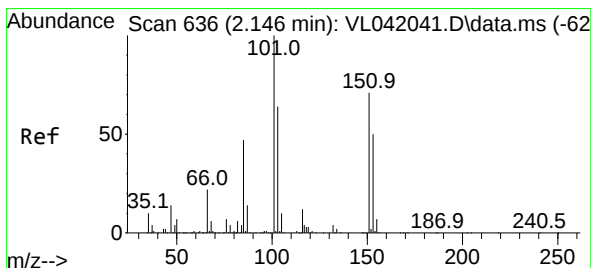
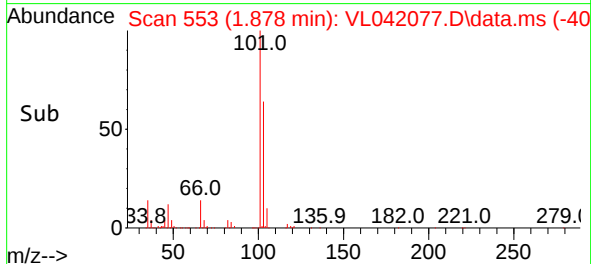
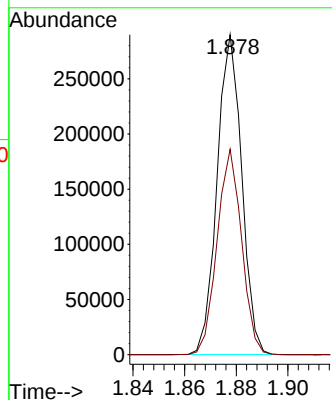
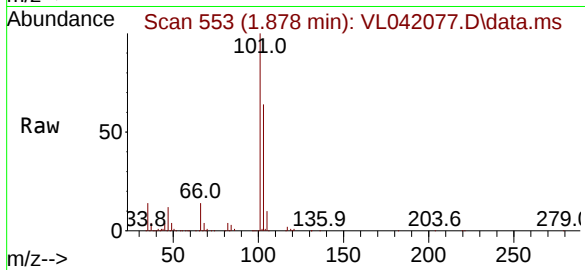




#11
 Trichlorofluoromethane
 Concen: 11.657 ppbv
 RT: 1.878 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

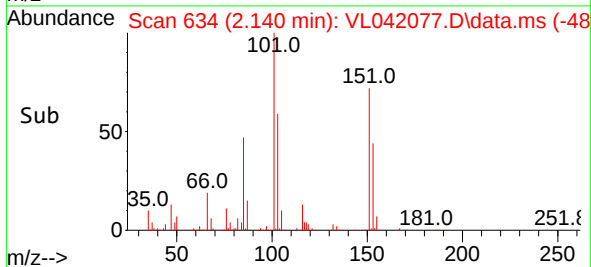
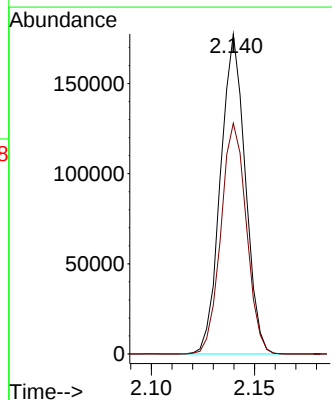
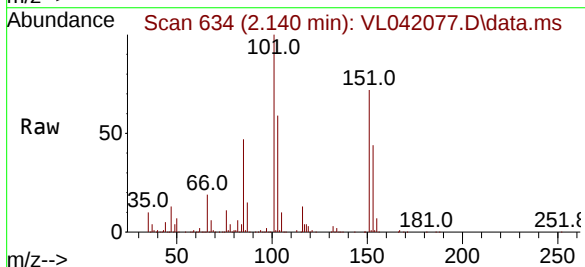
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

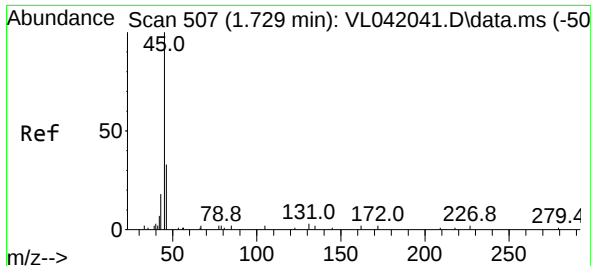
Tgt Ion:101 Resp: 191850
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.243 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.006 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Tgt Ion:101 Resp: 147601
 Ion Ratio Lower Upper
 101 100
 151 74.1 62.6 94.0

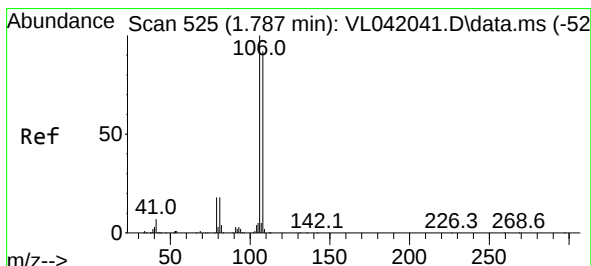
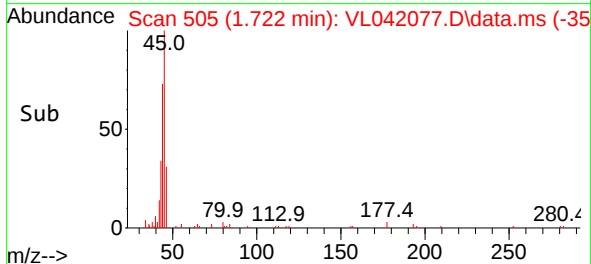
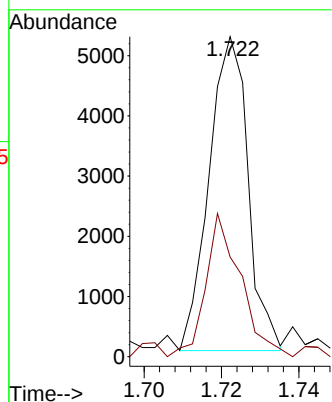
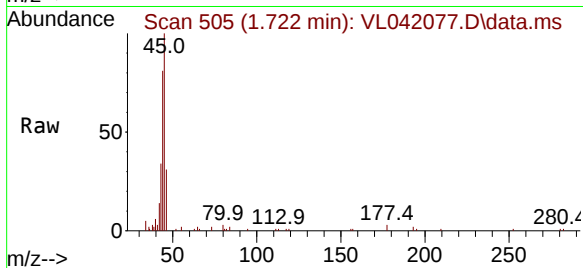




#13
Ethanol
Concen: 6.145 ppbv
RT: 1.722 min Scan# 507
Delta R.T. -0.006 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

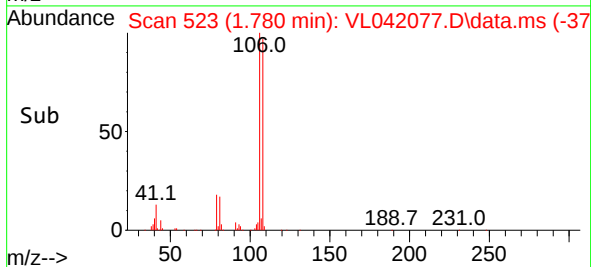
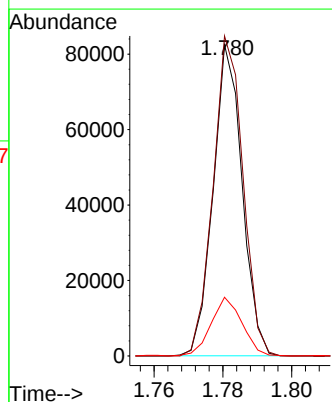
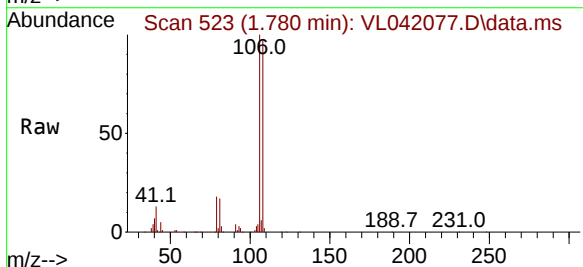
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

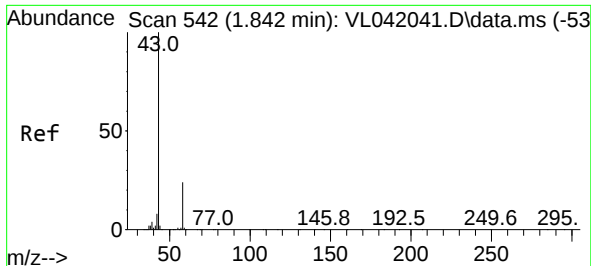
Tgt Ion: 45 Resp: 3648
Ion Ratio Lower Upper
45 100
46 44.7 17.1 68.3



#14
Bromoethene
Concen: 10.403 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.006 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 108 Resp: 48227
Ion Ratio Lower Upper
108 100
106 106.1 85.4 128.0
79 20.6 16.5 24.7

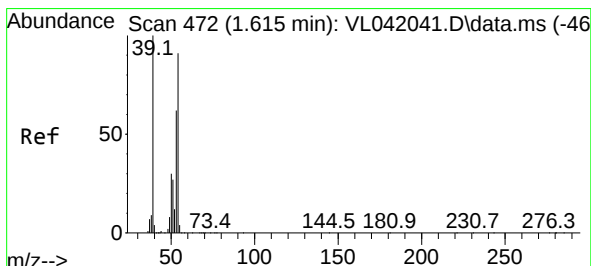
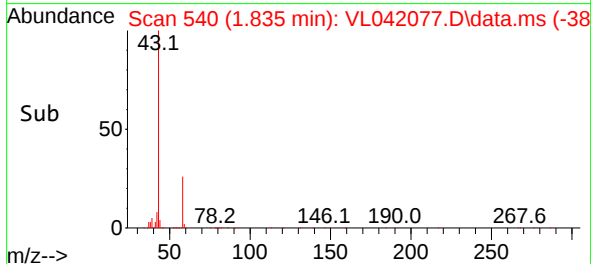
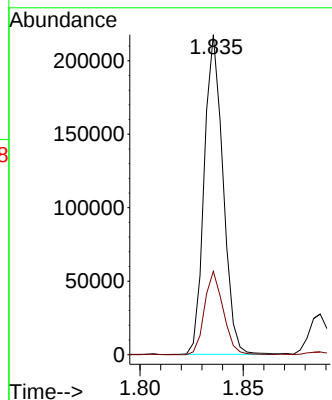
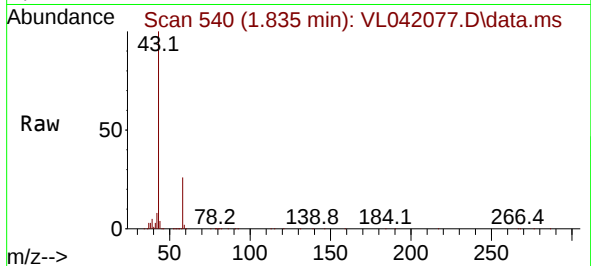




#15
Acetone
Concen: 9.858 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.006 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

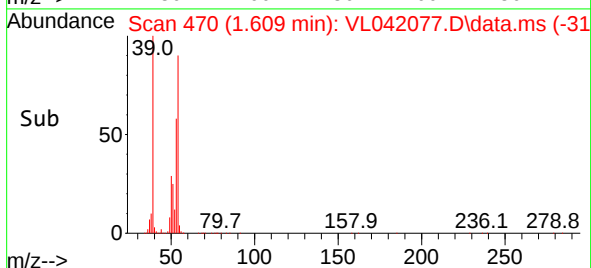
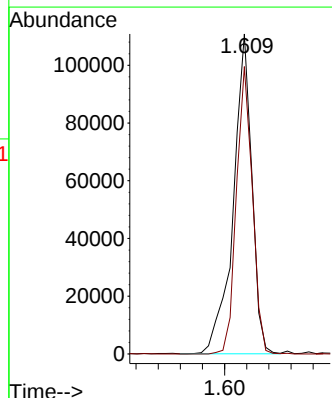
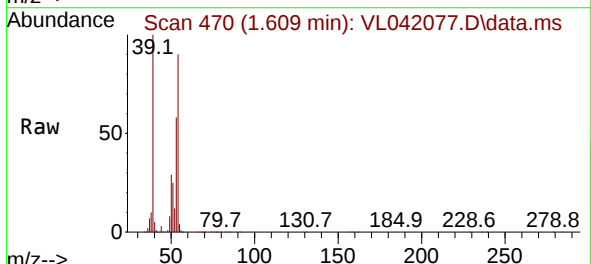
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

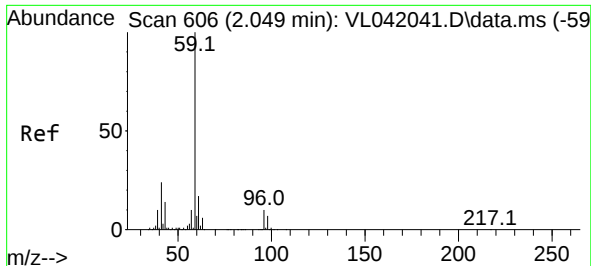
Tgt Ion: 43 Resp: 137515
Ion Ratio Lower Upper
43 100
58 26.1 20.7 31.1



#16
1,3-Butadiene
Concen: 9.950 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.006 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 39 Resp: 64593
Ion Ratio Lower Upper
39 100
54 77.0 59.6 89.4





#17

tert-Butyl alcohol

Concen: 9.576 ppbv

RT: 2.039 min Scan# 606

Delta R.T. -0.010 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

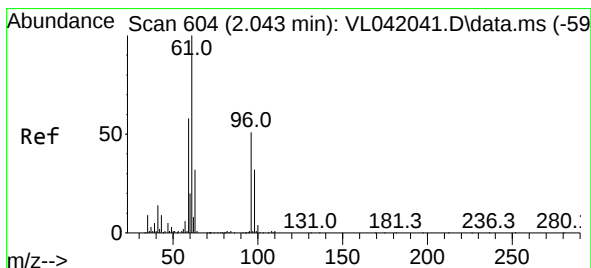
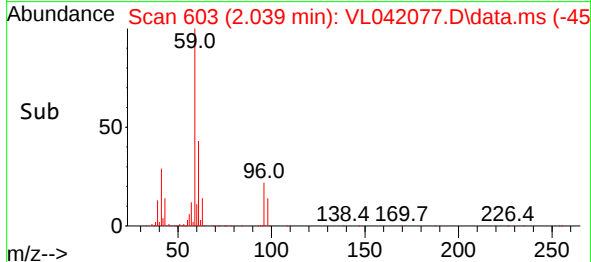
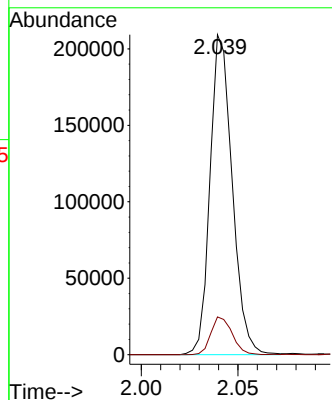
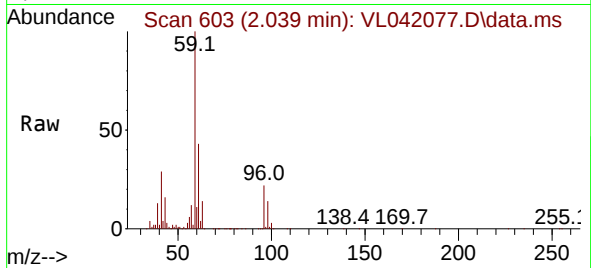
VL0303ABS01

Tgt Ion: 59 Resp: 167124

Ion Ratio Lower Upper

59 100

57 11.5 9.3 13.9



#18

1,1-Dichloroethene

Concen: 10.394 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.010 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

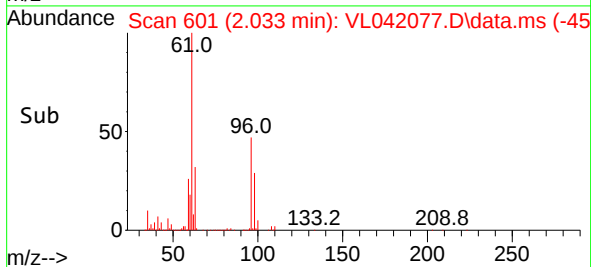
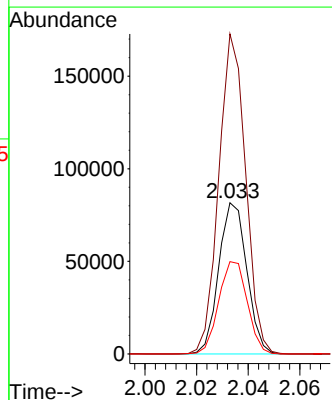
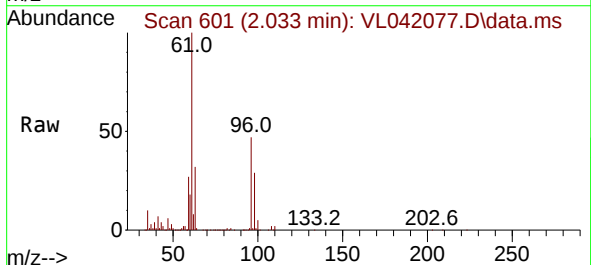
Tgt Ion: 96 Resp: 61659

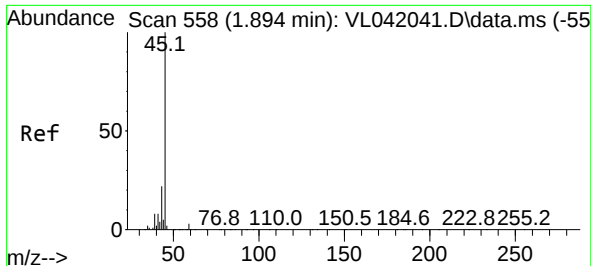
Ion Ratio Lower Upper

96 100

61 211.5 156.0 234.0

98 61.0 49.4 74.2

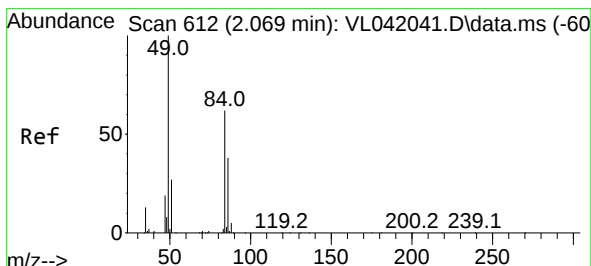
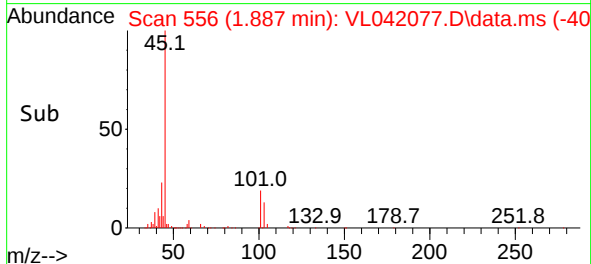
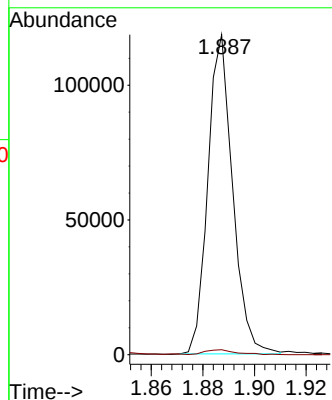
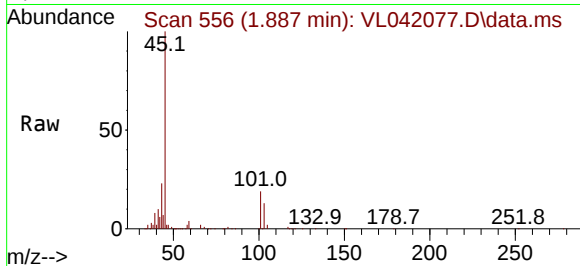




#19
Isopropyl Alcohol
Concen: 9.851 ppbv
RT: 1.887 min Scan# 51
Delta R.T. -0.006 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

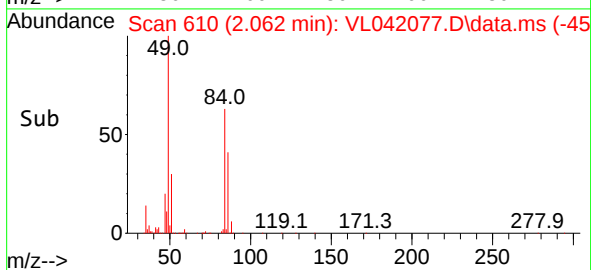
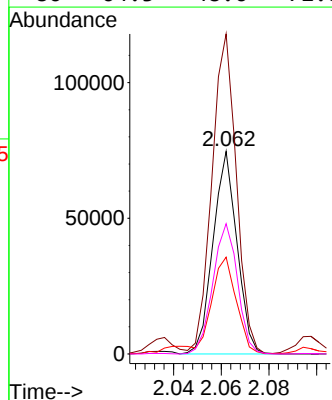
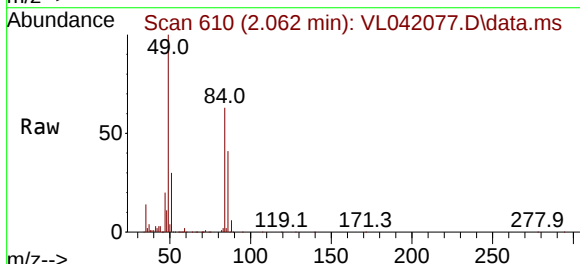
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

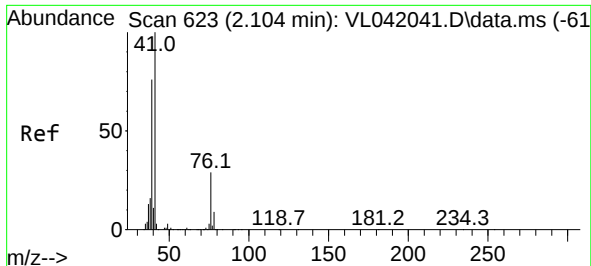
Tgt Ion: 45 Resp: 78936
Ion Ratio Lower Upper
45 100
58 45.6 35.3 52.9



#20
Methylene Chloride
Concen: 9.868 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.006 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 84 Resp: 52065
Ion Ratio Lower Upper
84 100
49 157.2 130.0 195.0
51 47.6 37.4 56.0
86 64.3 48.6 72.8

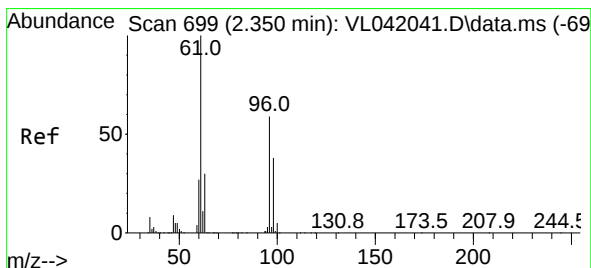
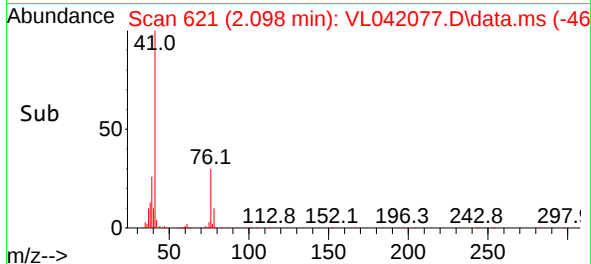
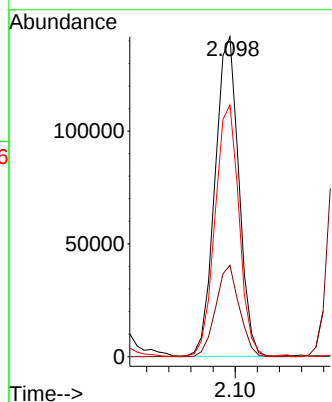
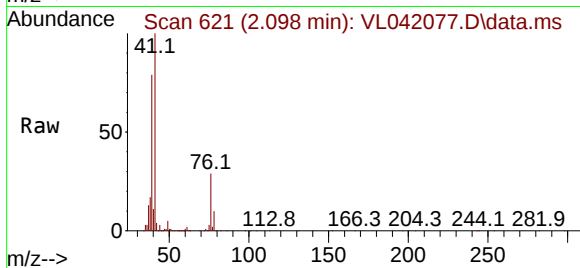




#21
 Allyl Chloride
 Concen: 10.486 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

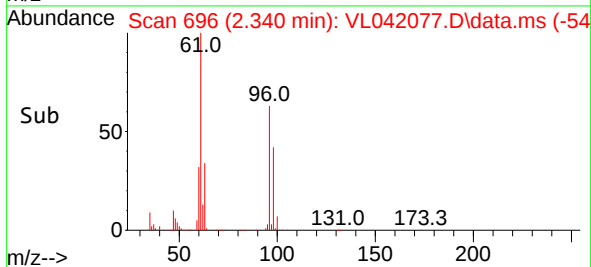
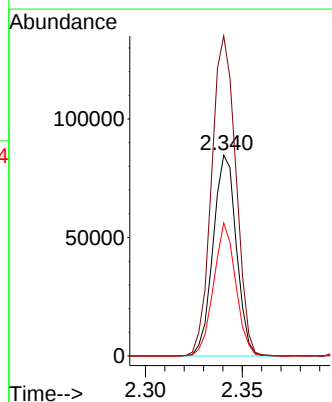
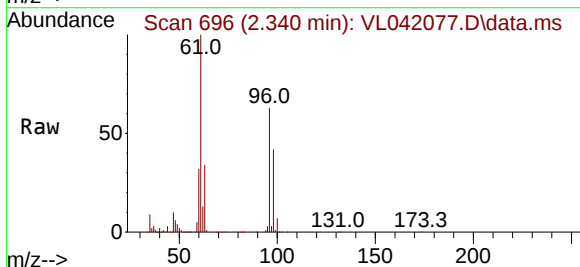
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

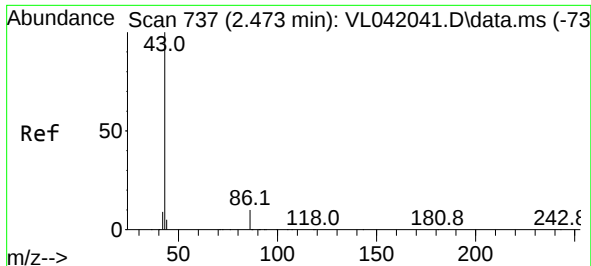
Tgt Ion: 41 Resp: 105683
 Ion Ratio Lower Upper
 41 100
 76 28.3 23.8 35.6
 39 79.1 63.8 95.6



#22
 trans-1,2-Dichloroethene
 Concen: 10.232 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.010 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Tgt Ion: 96 Resp: 70753
 Ion Ratio Lower Upper
 96 100
 61 159.3 136.6 205.0
 98 66.2 51.8 77.6

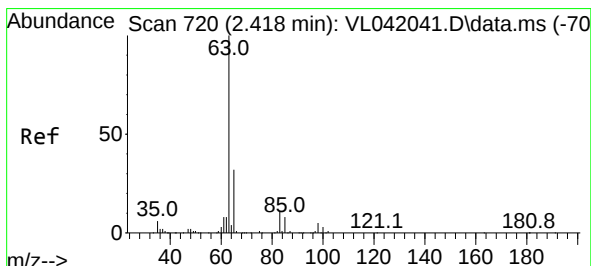
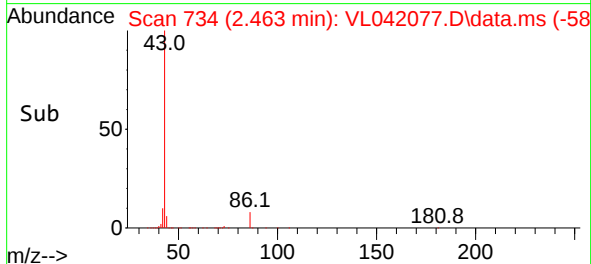
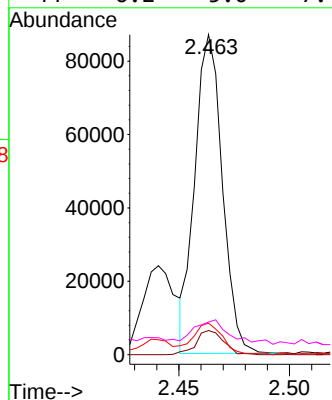
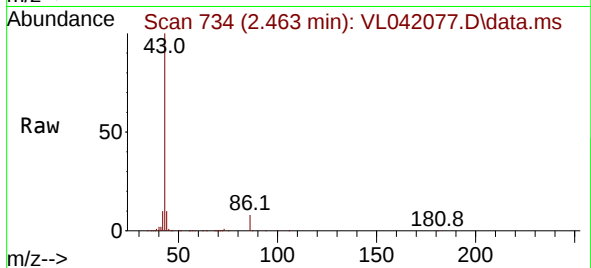




#23
 Vinyl Acetate
 Concen: 7.640 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. -0.010 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

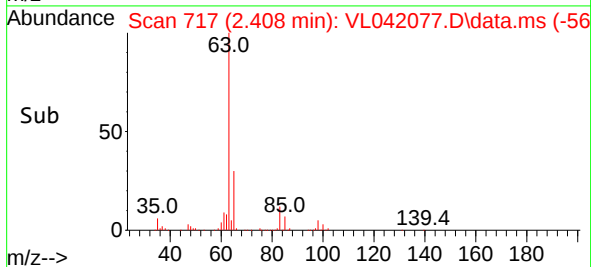
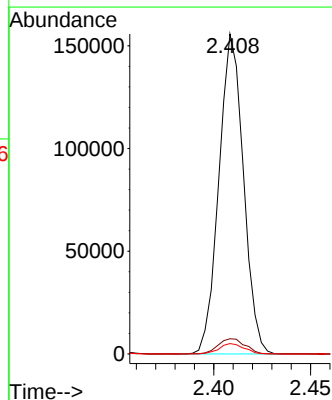
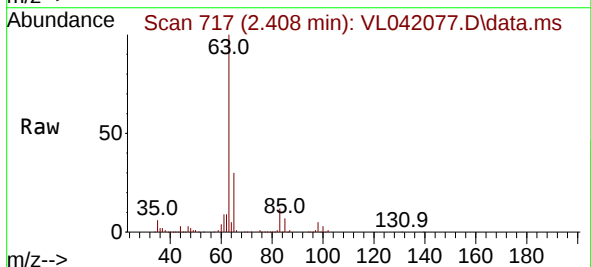
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

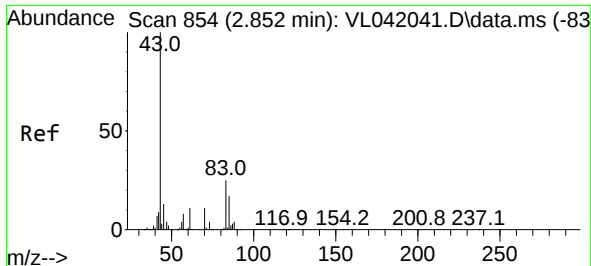
Tgt Ion: 43	Resp: 74937
Ion Ratio	Lower Upper
43 100	
86 7.6	7.0 10.4
42 8.9	7.6 11.4
44 6.2	5.0 7.4



#24
 1,1-Dichloroethane
 Concen: 10.661 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.010 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Tgt Ion: 63	Resp: 137183
Ion Ratio	Lower Upper
63 100	
98 4.7	2.4 7.2
100 3.2	1.7 5.0

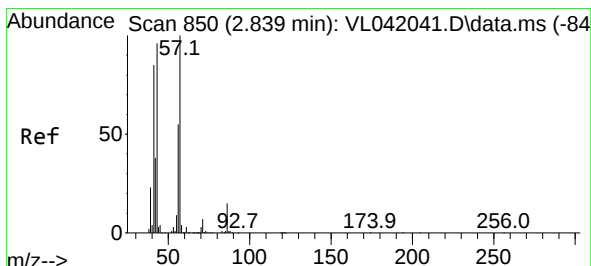
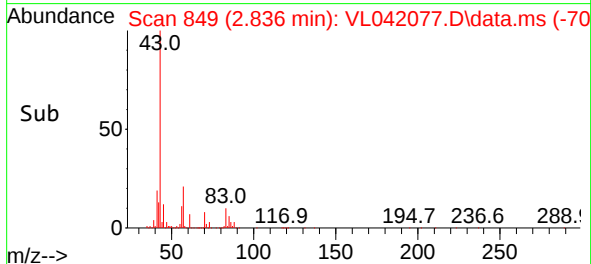
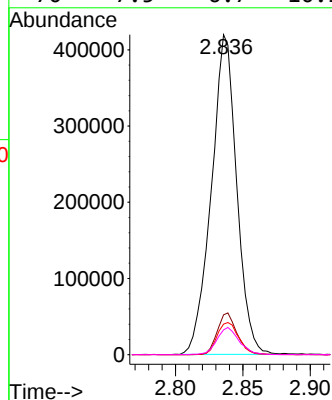
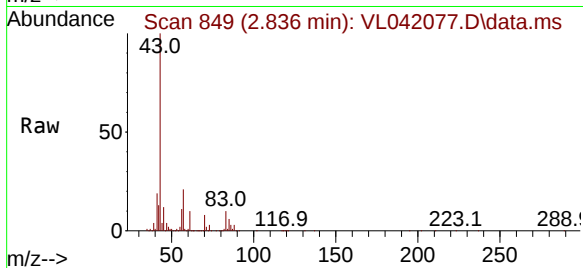




#25
Ethyl Acetate
Concen: 9.824 ppbv
RT: 2.836 min Scan# 845
Delta R.T. -0.016 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

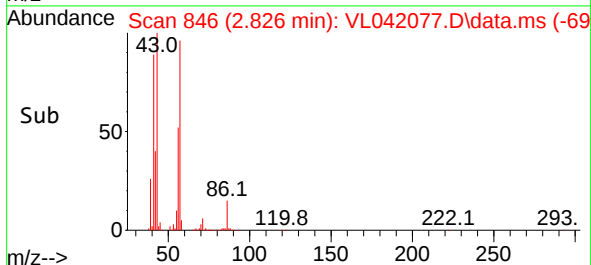
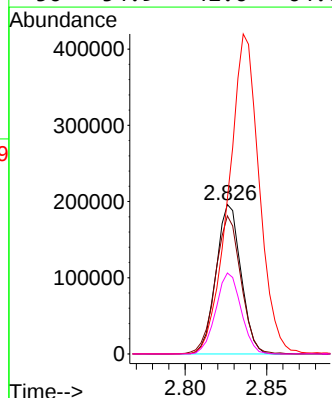
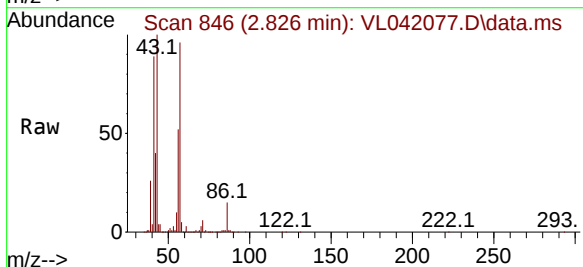
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

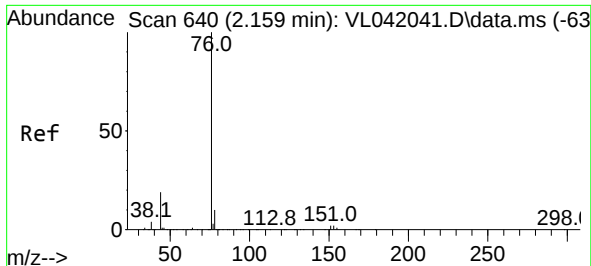
Tgt Ion: 43	Resp: 548497		
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	8.6	7.2	10.8
70	7.5	6.7	10.1



#26
Hexane
Concen: 9.213 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.013 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

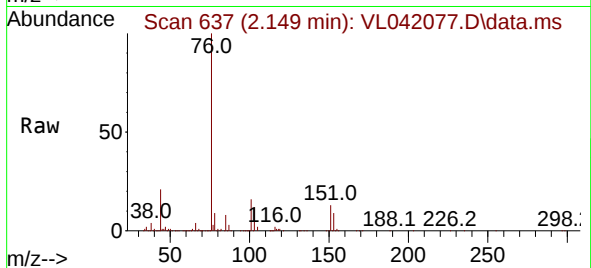
Tgt Ion: 57	Resp: 207965
Ion Ratio	Lower Upper
57 100	
41 95.6	70.6 106.0
43 265.0	199.4 299.0
56 54.9	42.6 64.0



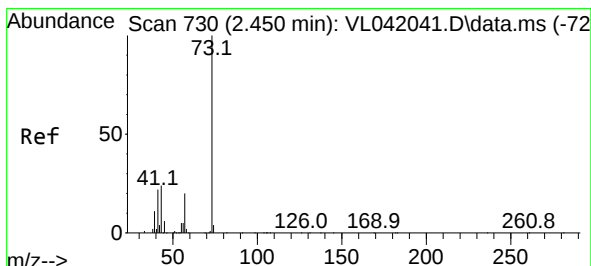
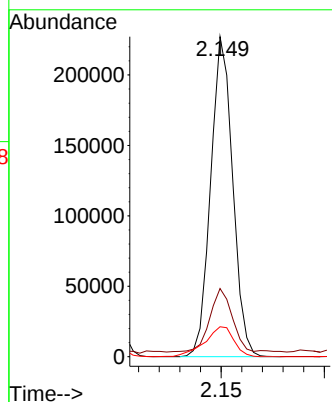
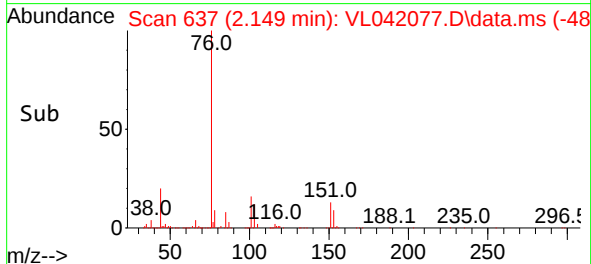


#27
Carbon Disulfide
Concen: 10.996 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

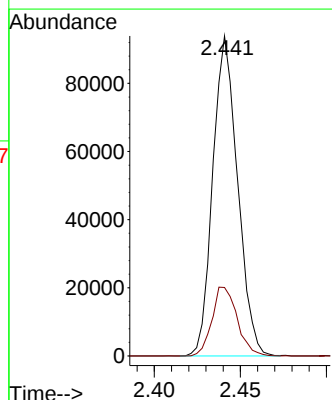
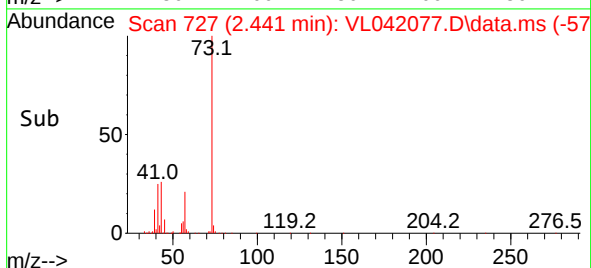
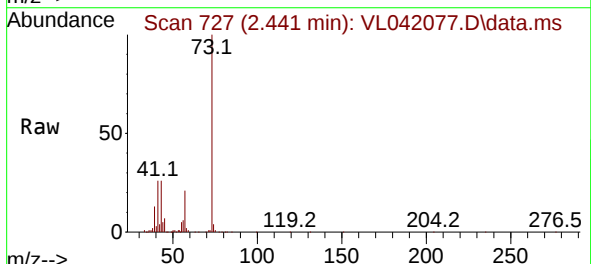


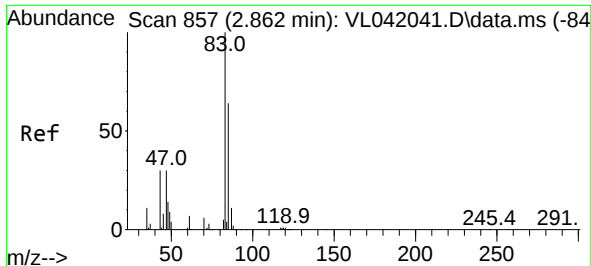
Tgt Ion: 76 Resp: 168252
Ion Ratio Lower Upper
76 100
44 19.9 16.2 24.2
78 12.3 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 8.374 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.010 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 73 Resp: 94112
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5





#29

Chloroform

Concen: 9.439 ppbv

RT: 2.849 min Scan# 81

Delta R.T. -0.013 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

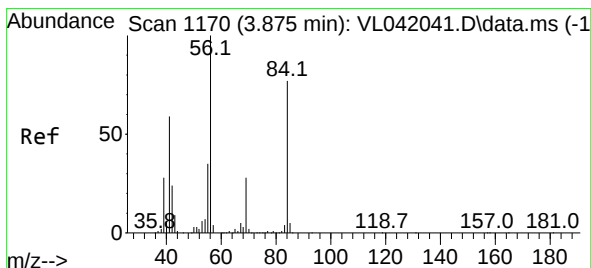
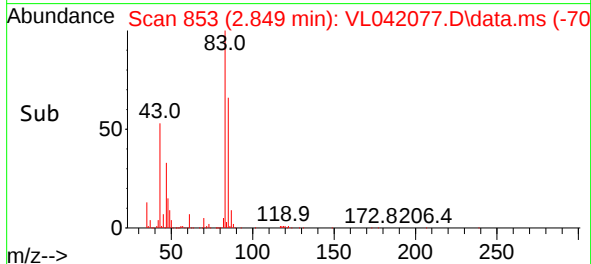
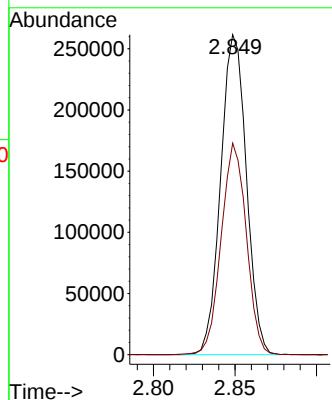
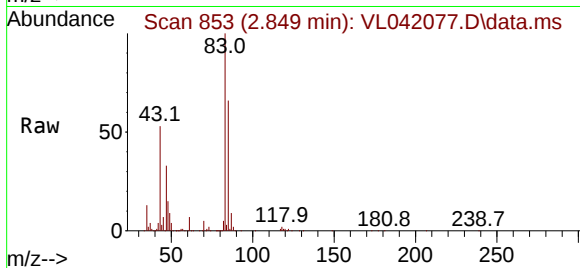
VL0303ABS01

Tgt Ion: 83 Resp: 286765

Ion Ratio Lower Upper

83 100

85 66.1 51.2 76.8



#30

Cyclohexane

Concen: 8.905 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.016 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

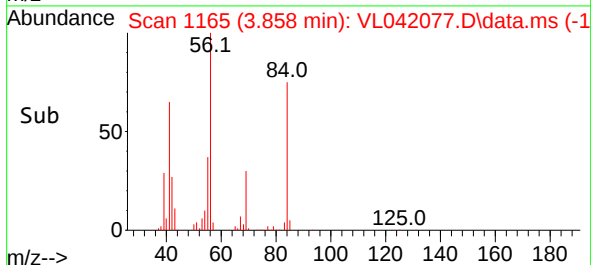
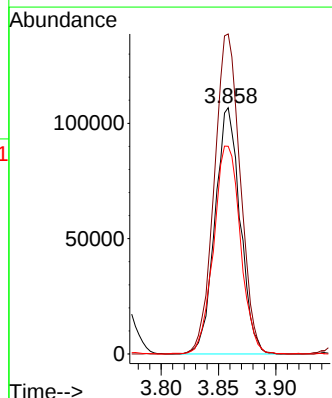
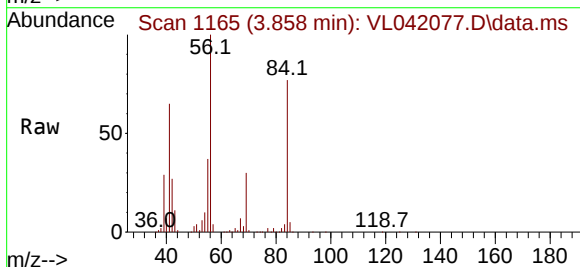
Tgt Ion: 84 Resp: 163145

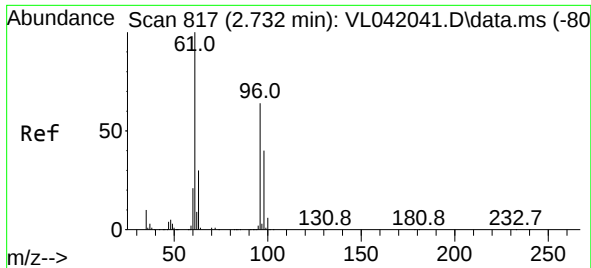
Ion Ratio Lower Upper

84 100

56 133.8 101.5 152.3

41 89.8 62.6 93.8

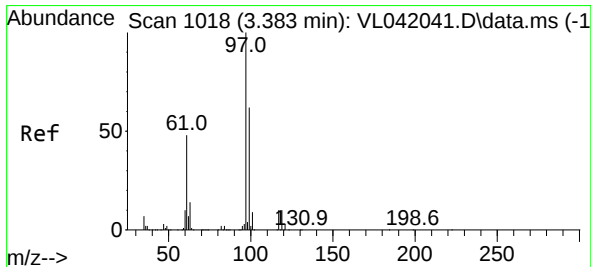
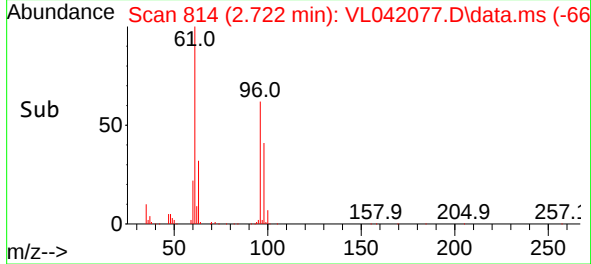
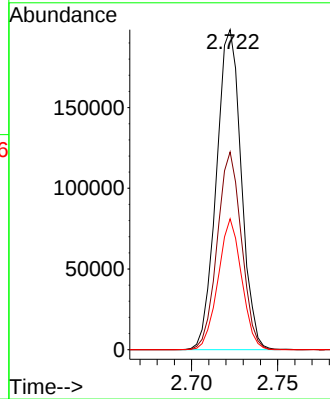
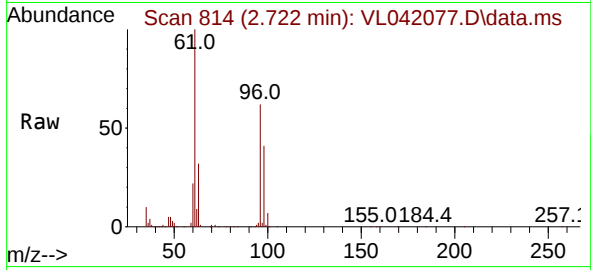




#31
 cis-1,2-Dichloroethene
 Concen: 9.322 ppbv
 RT: 2.722 min Scan# 817
 Delta R.T. -0.010 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

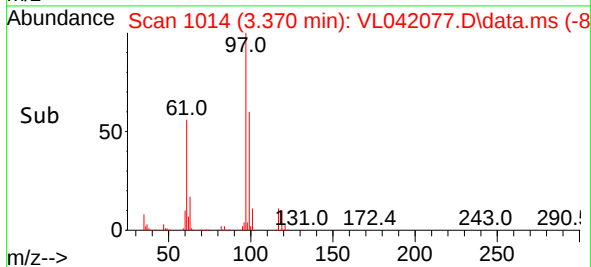
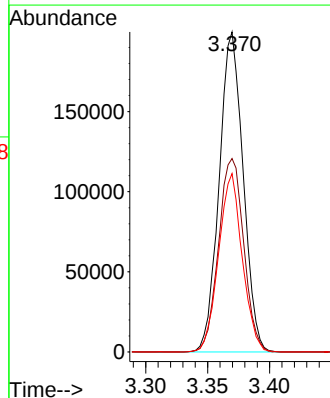
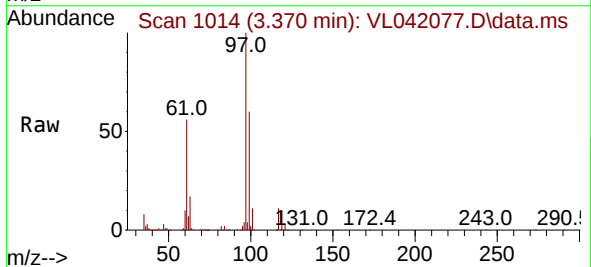
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

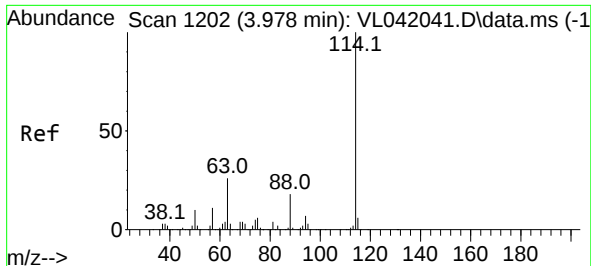
Tgt Ion: 61 Resp: 199200
 Ion Ratio Lower Upper
 61 100
 96 61.8 51.5 77.3
 98 40.9 32.0 48.0



#32
 1,1,1-Trichloroethane
 Concen: 9.133 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. -0.013 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Tgt Ion: 97 Resp: 269140
 Ion Ratio Lower Upper
 97 100
 99 63.6 49.8 74.6
 61 55.0 38.9 58.3

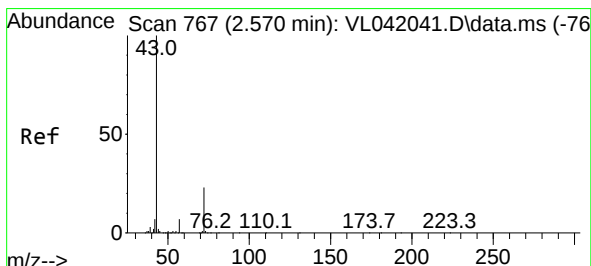
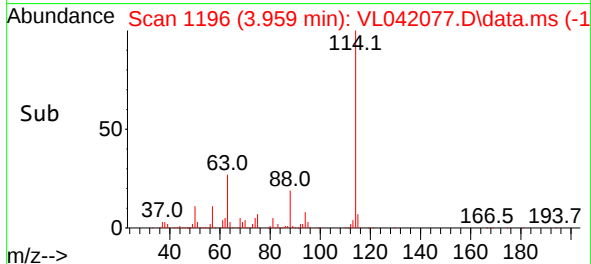
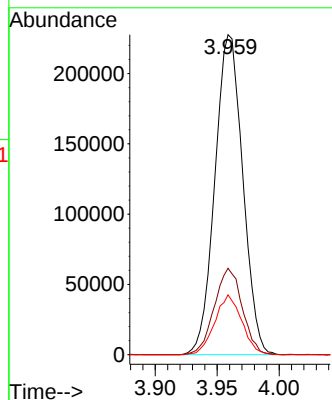
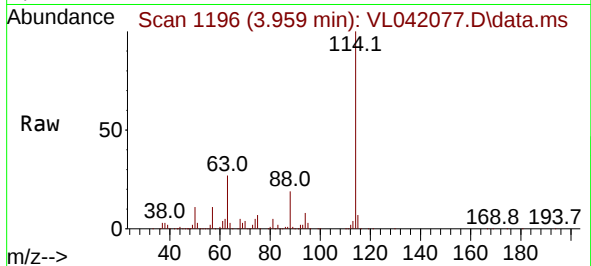




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. -0.019 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

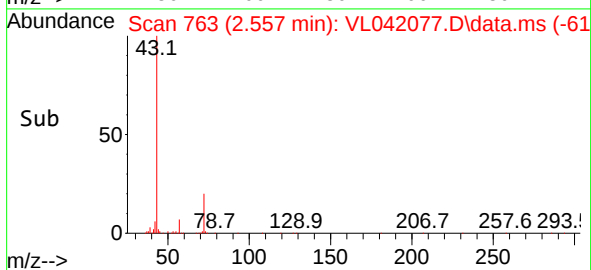
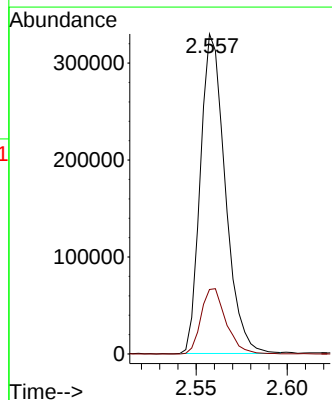
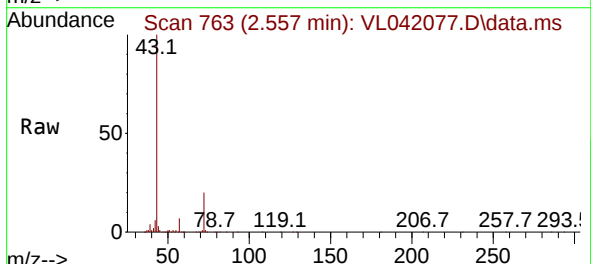
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

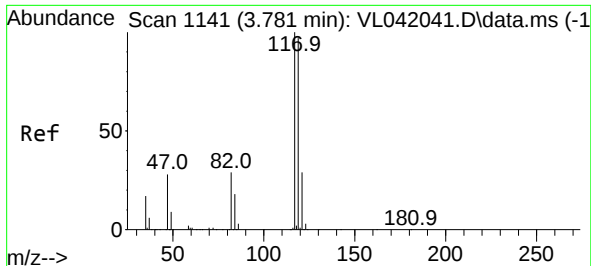
Tgt Ion:114 Resp: 356972
 Ion Ratio Lower Upper
 114 100
 63 27.2 20.1 30.1
 88 18.1 14.3 21.5



#34
 2-Butanone
 Concen: 11.258 ppbv
 RT: 2.557 min Scan# 763
 Delta R.T. -0.013 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Tgt Ion: 43 Resp: 313084
 Ion Ratio Lower Upper
 43 100
 72 20.6 18.5 27.7

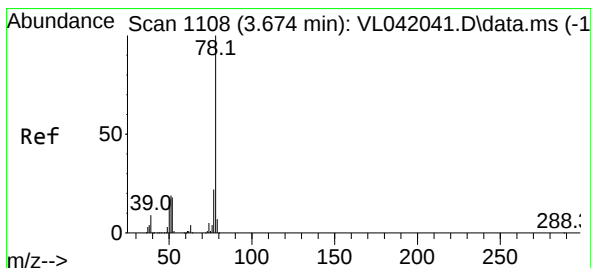
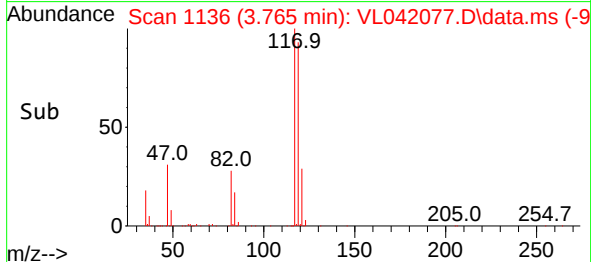
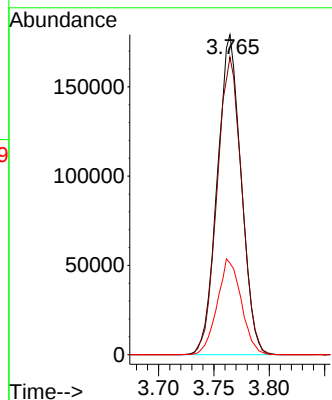
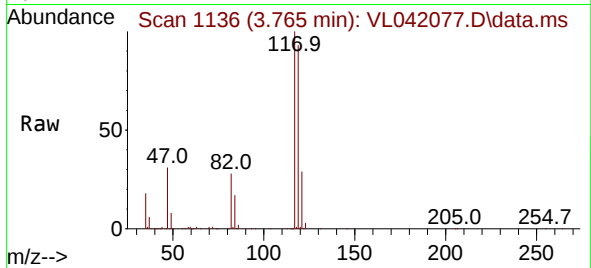




#35
Carbon Tetrachloride
Concen: 10.917 ppbv
RT: 3.765 min Scan# 1136
Delta R.T. -0.016 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

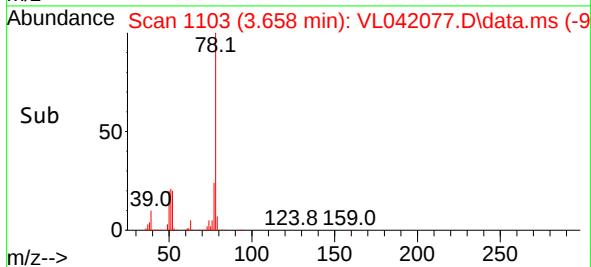
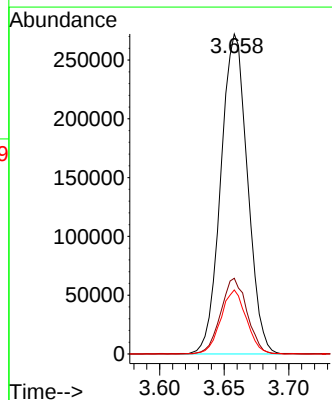
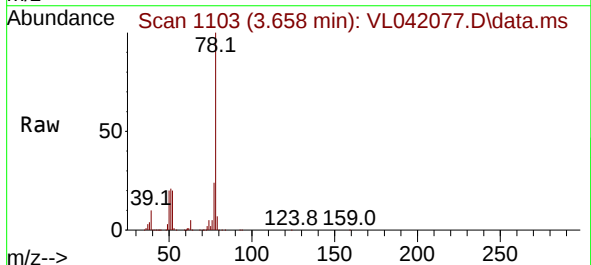
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

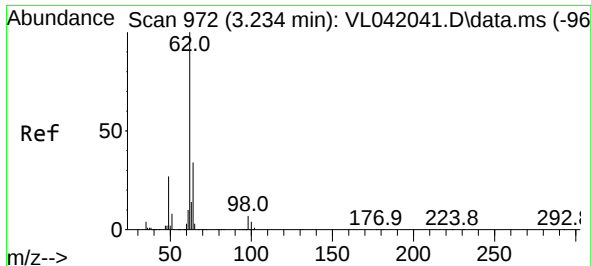
Tgt Ion:117 Resp: 268731
Ion Ratio Lower Upper
117 100
119 93.0 77.8 116.8
121 28.6 23.4 35.0



#36
Benzene
Concen: 10.459 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.016 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 78 Resp: 390842
Ion Ratio Lower Upper
78 100
77 23.6 17.7 26.5
50 20.0 13.9 20.9





#37

1,2-Dichloroethane

Concen: 10.959 ppbv

RT: 3.218 min Scan# 9

Delta R.T. -0.016 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

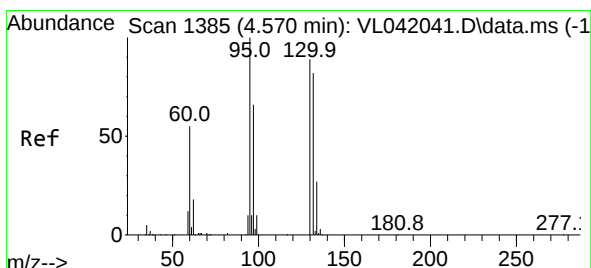
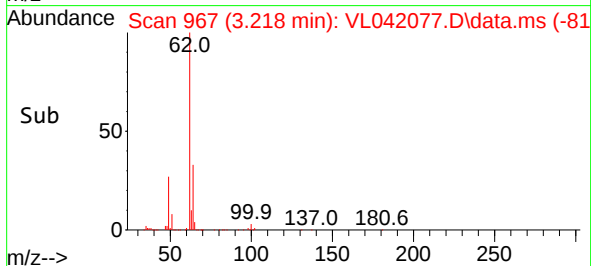
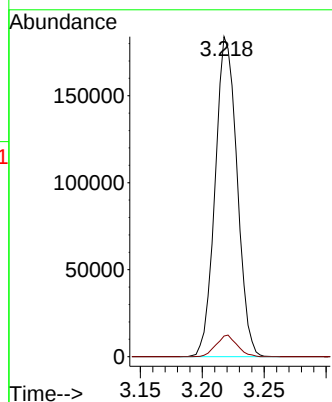
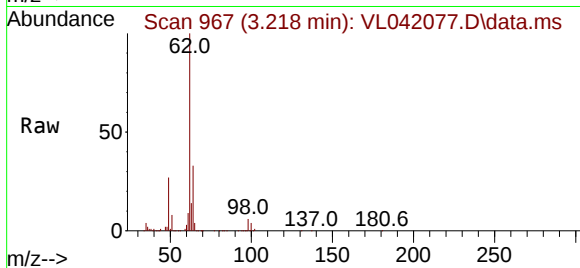
VL0303ABS01

Tgt Ion: 62 Resp: 227067

Ion Ratio Lower Upper

62 100

98 6.5 5.7 8.5



#38

Trichloroethene

Concen: 9.762 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. -0.019 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Tgt Ion:130 Resp: 148971

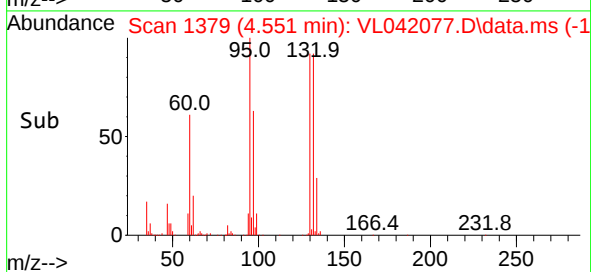
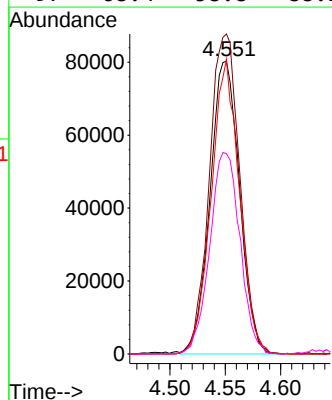
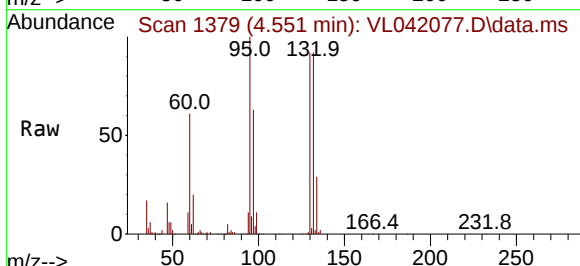
Ion Ratio Lower Upper

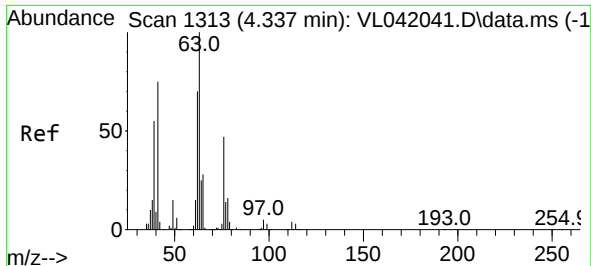
130 100

95 109.0 89.5 134.3

132 100.5 73.8 110.6

97 68.4 58.8 88.2





#39

1,2-Dichloropropane

Concen: 10.668 ppbv

RT: 4.315 min Scan# 11

Delta R.T. -0.023 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABS01

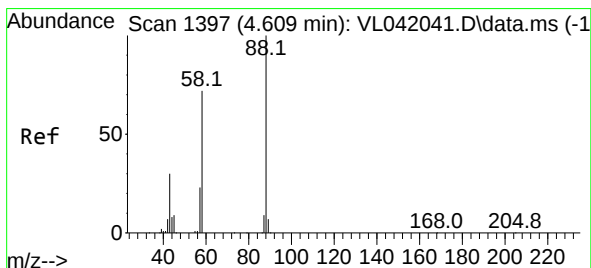
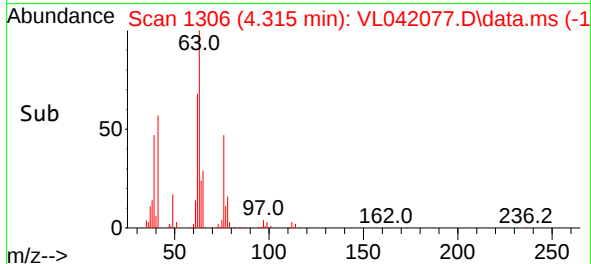
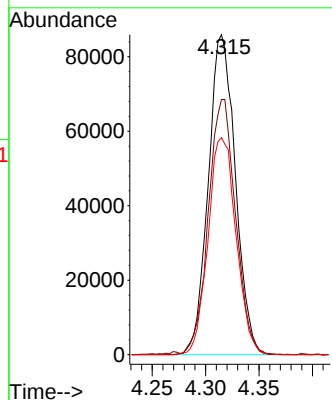
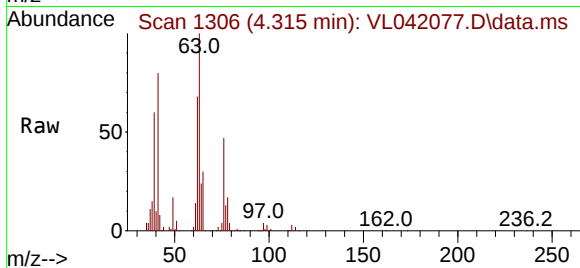
Tgt Ion: 63 Resp: 151311

Ion Ratio Lower Upper

63 100

41 79.4 60.1 90.1

62 67.6 55.8 83.8



#40

1,4-Dioxane

Concen: 10.385 ppbv

RT: 4.587 min Scan# 1390

Delta R.T. -0.023 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Tgt Ion: 88 Resp: 67241

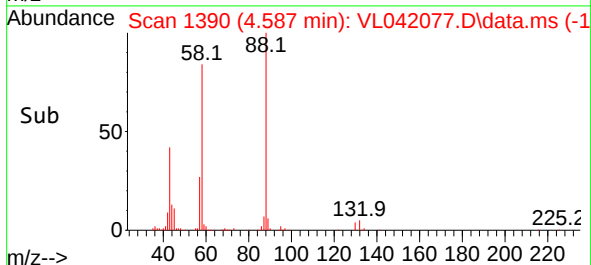
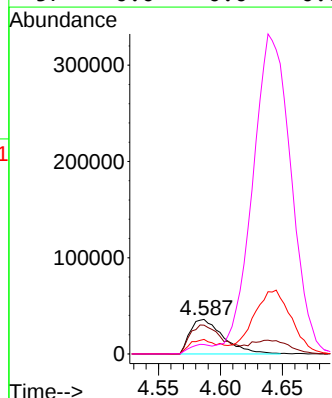
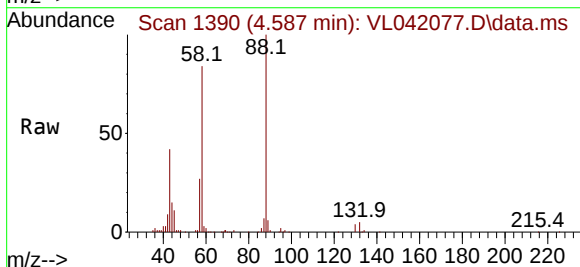
Ion Ratio Lower Upper

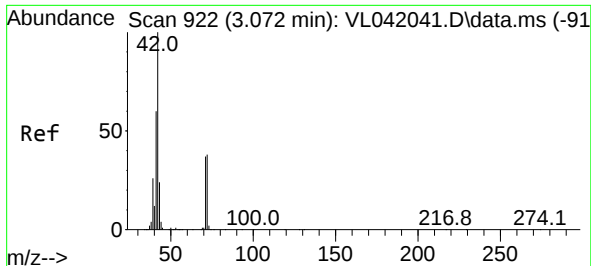
88 100

58 86.2 62.6 94.0

43 35.3 0.0 0.0#

57 0.0 0.0 0.0

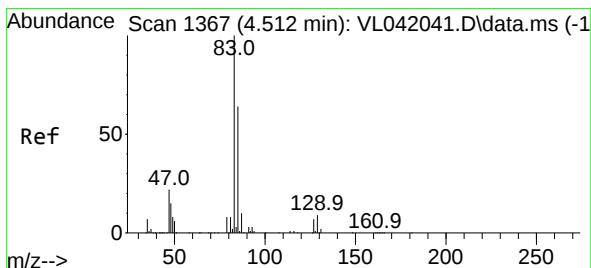
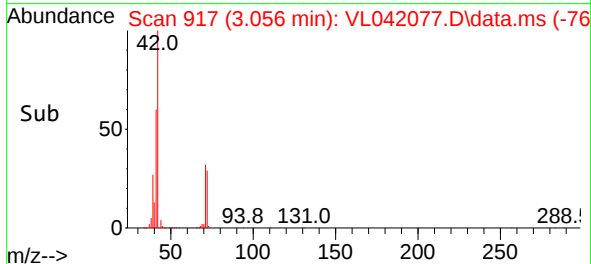
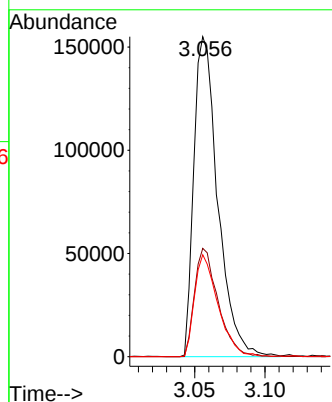
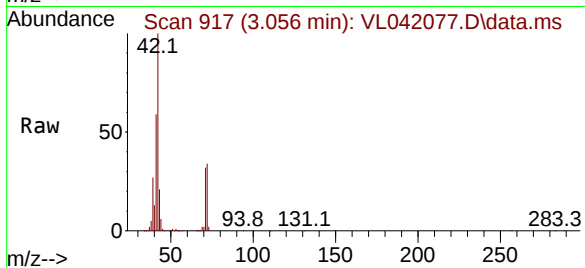




#41
Tetrahydrofuran
Concen: 11.172 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.016 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

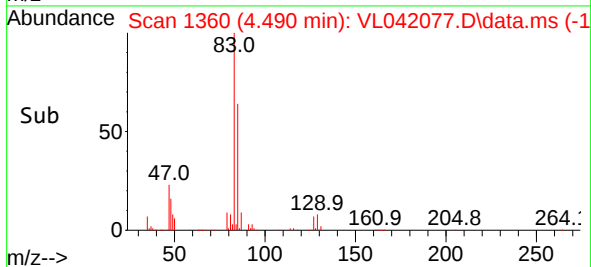
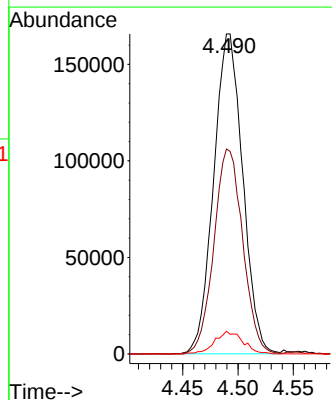
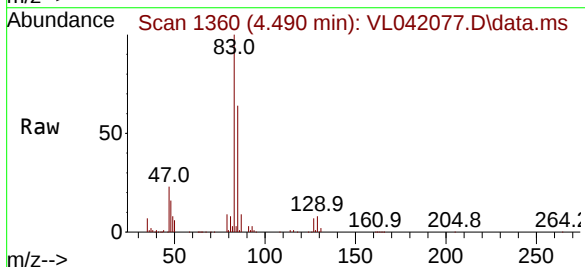
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

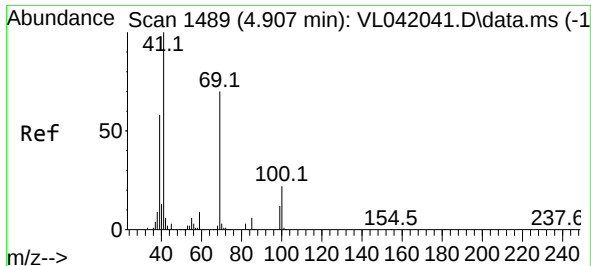
Tgt Ion: 42 Resp: 183578
Ion Ratio Lower Upper
42 100
72 33.4 30.2 45.2
71 31.6 28.2 42.4



#42
Bromodichloromethane
Concen: 10.839 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. -0.023 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 83 Resp: 302583
Ion Ratio Lower Upper
83 100
85 64.0 51.4 77.2
127 7.1 5.8 8.6

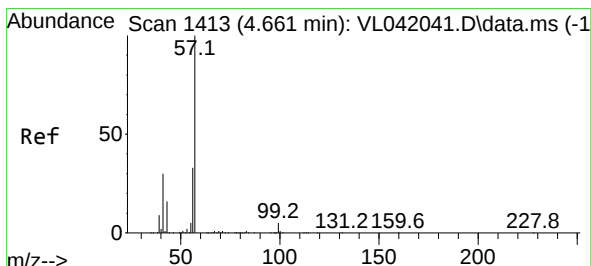
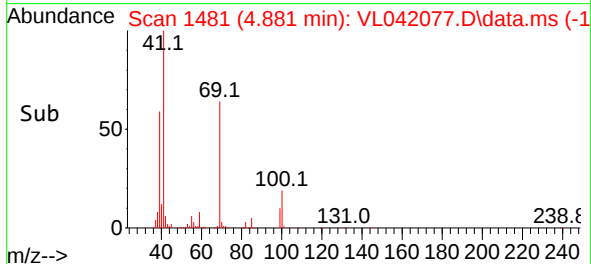
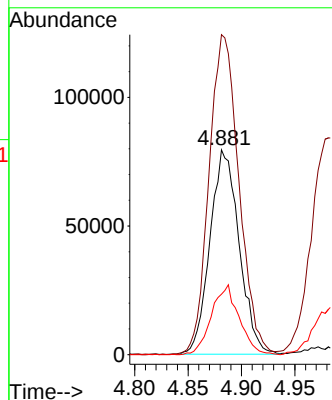
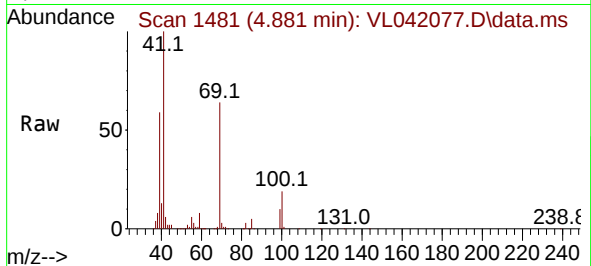




#43
Methyl Methacrylate
Concen: 10.338 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.026 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

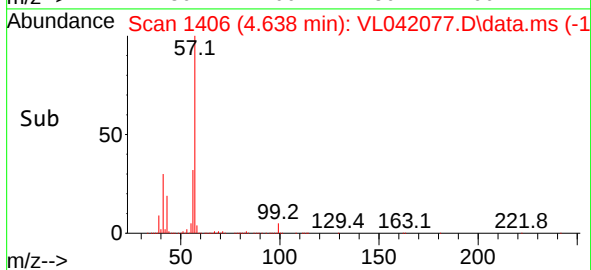
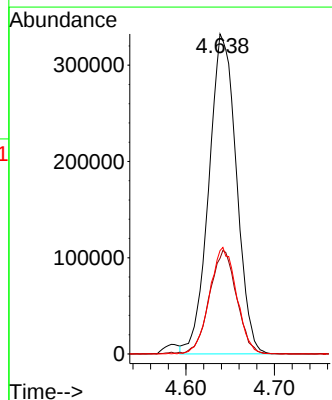
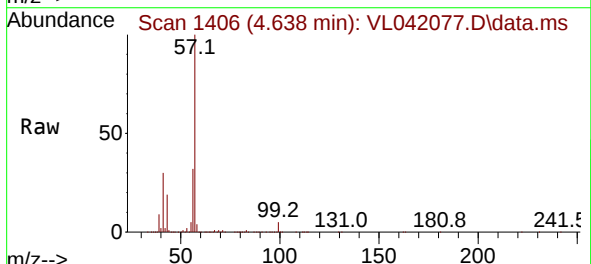
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

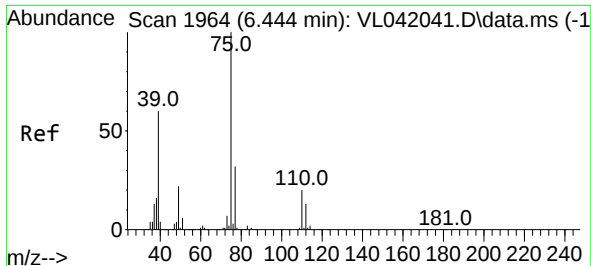
Tgt Ion: 69 Resp: 150871
Ion Ratio Lower Upper
69 100
41 160.7 118.2 177.4
100 32.4 27.0 40.4



#44
2,2,4-Trimethylpentane
Concen: 10.892 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.023 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 57 Resp: 718377
Ion Ratio Lower Upper
57 100
41 32.3 24.4 36.6
56 32.8 26.5 39.7





#45

t-1,3-Dichloropropene

Concen: 9.643 ppbv

RT: 6.415 min Scan# 1964

Delta R.T. -0.029 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

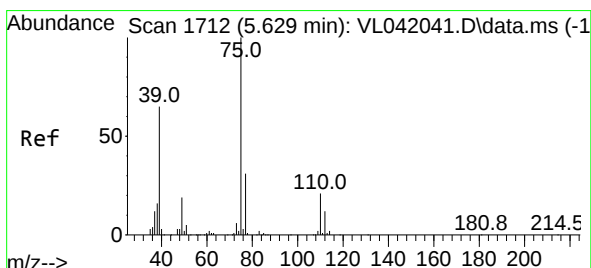
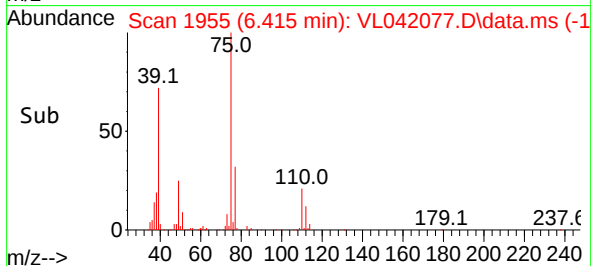
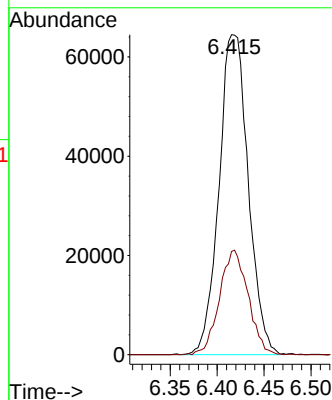
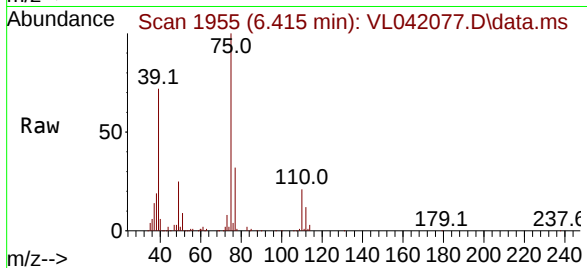
VL0303ABS01

Tgt Ion: 75 Resp: 139814

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 10.077 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. -0.023 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

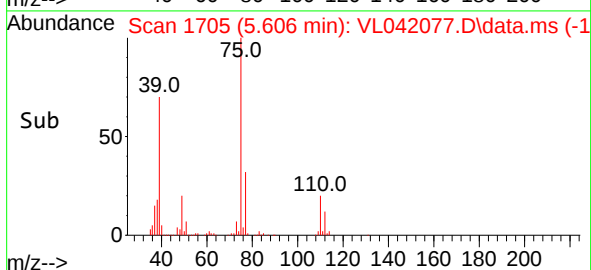
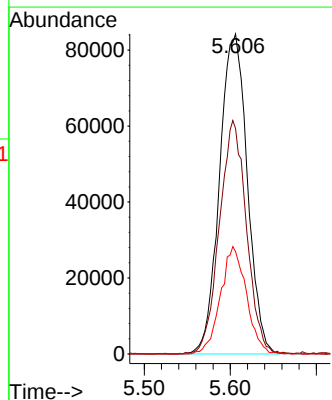
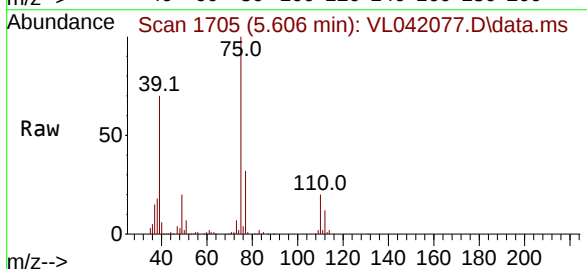
Tgt Ion: 75 Resp: 189075

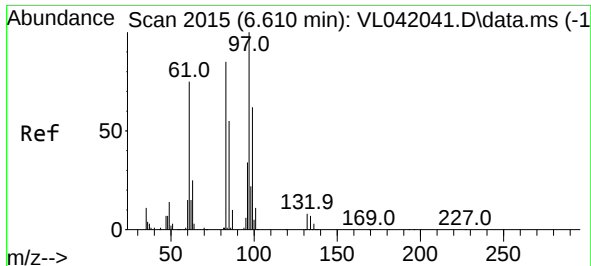
Ion Ratio Lower Upper

75 100

39 70.3 51.9 77.9

77 32.0 24.9 37.3



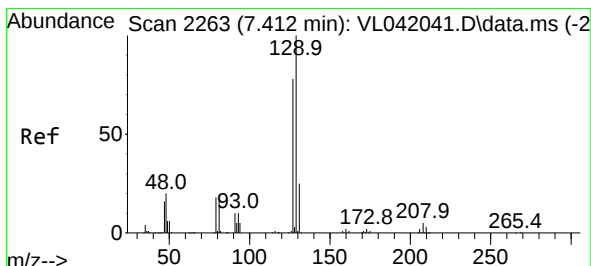
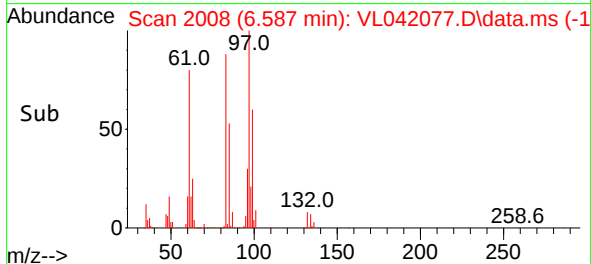
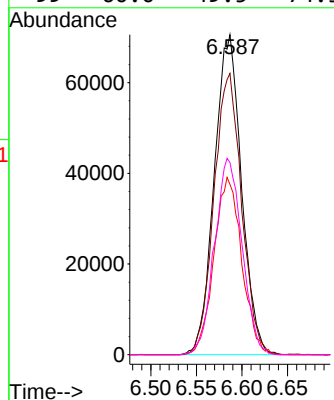
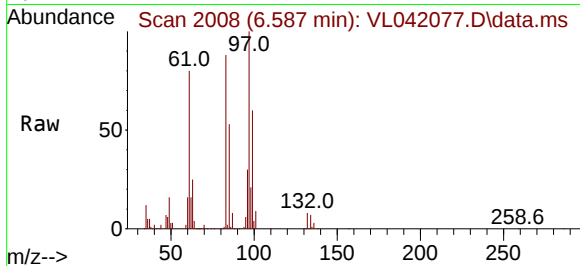


#47
 1,1,2-Trichloroethane
 Concen: 10.191 ppbv
 RT: 6.587 min Scan# 2015
 Delta R.T. -0.023 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

Tgt Ion: 97 Resp: 146747

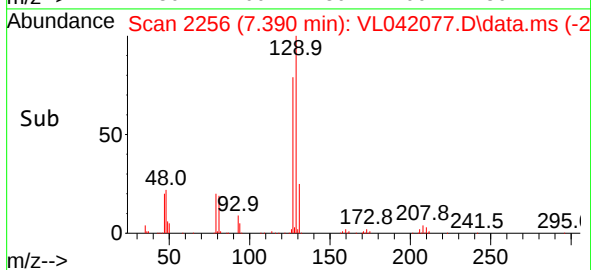
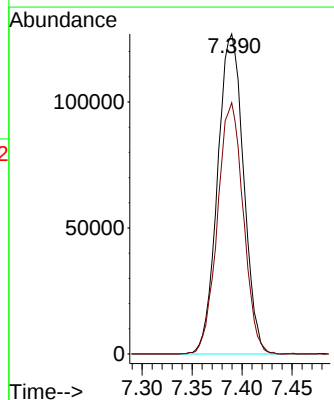
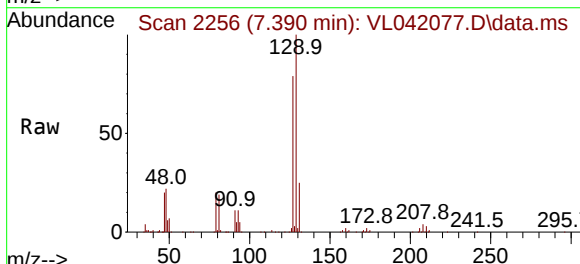
Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.1	102.1
85	53.2	44.0	66.0
99	60.0	49.5	74.3

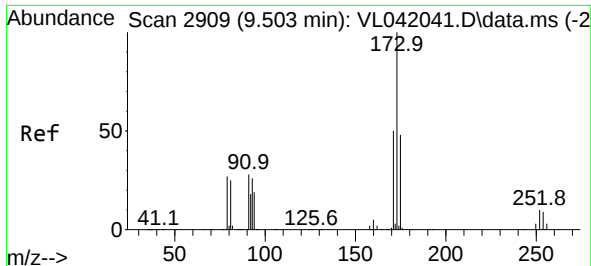


#48
 Dibromochloromethane
 Concen: 10.188 ppbv
 RT: 7.390 min Scan# 2256
 Delta R.T. -0.023 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Tgt Ion: 129 Resp: 229765

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.6	115.8

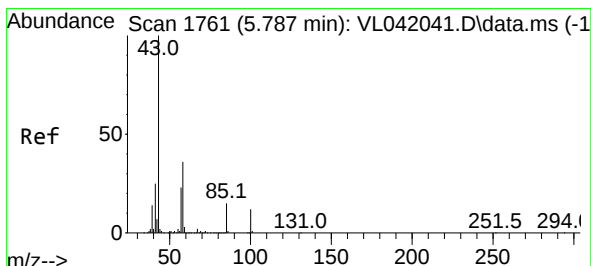
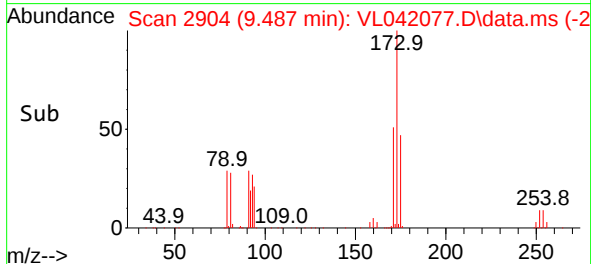
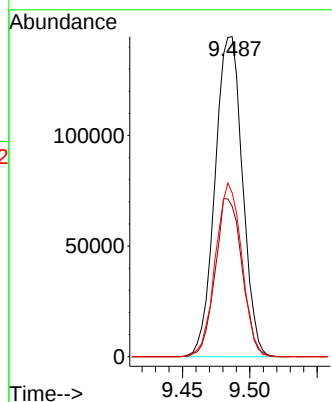
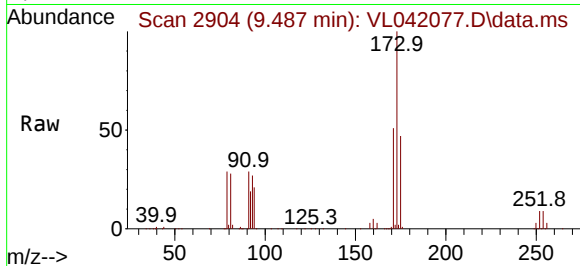




#49
Bromoform
Concen: 10.477 ppbv
RT: 9.487 min Scan# 2909
Delta R.T. -0.016 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

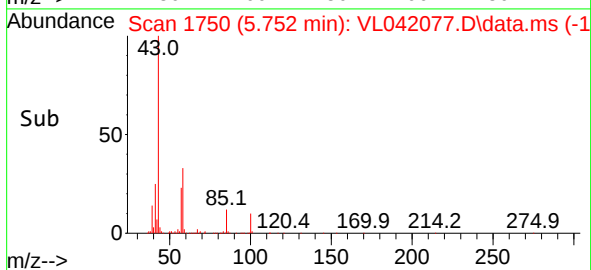
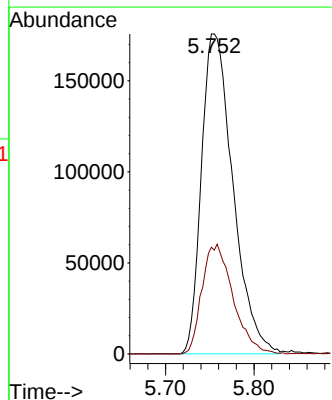
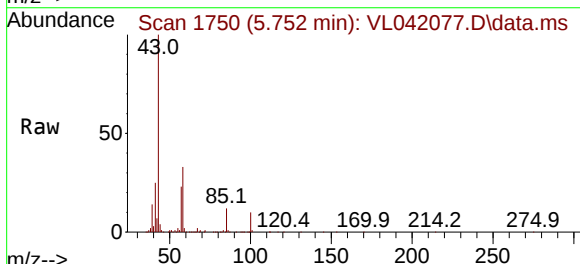
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

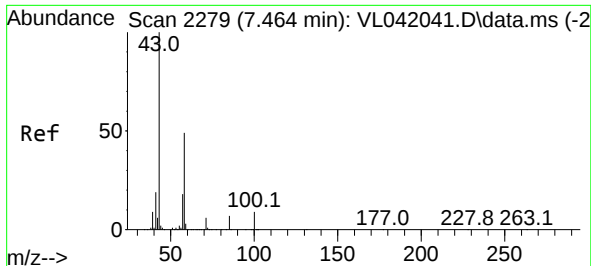
Tgt Ion:173 Resp: 205188
Ion Ratio Lower Upper
173 100
175 48.4 38.3 57.5
171 52.0 40.2 60.2



#50
4-Methyl-2-Pentanone
Concen: 12.074 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. -0.036 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 43 Resp: 434273
Ion Ratio Lower Upper
43 100
58 33.8 29.3 43.9

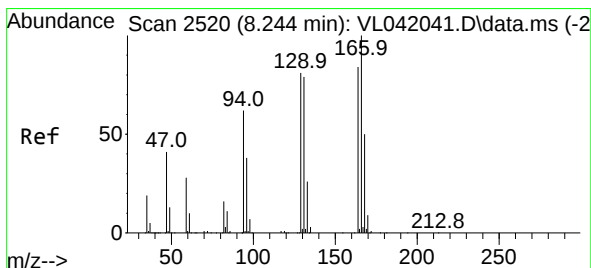
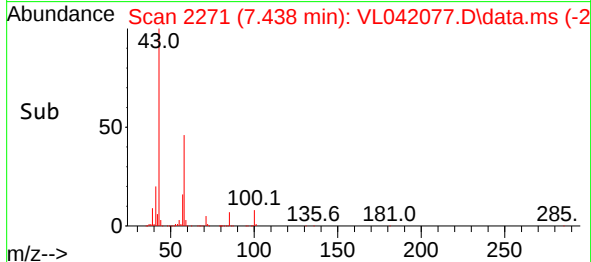
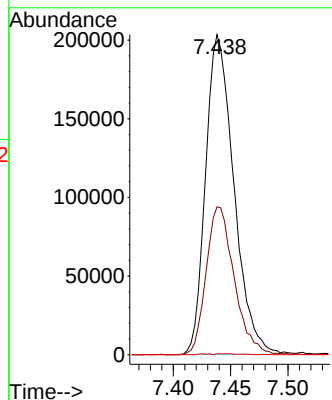
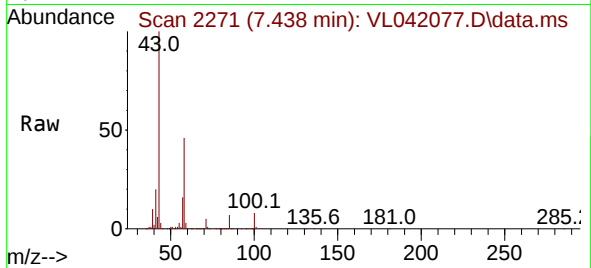




#51
2-Hexanone
Concen: 14.054 ppbv
RT: 7.438 min Scan# 2114
Delta R.T. -0.026 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

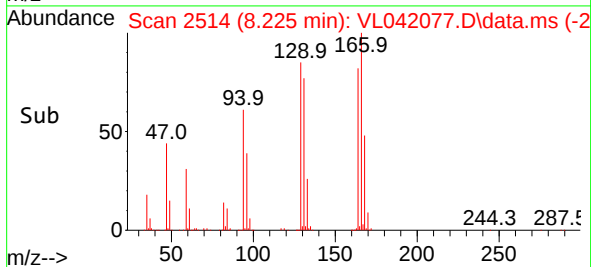
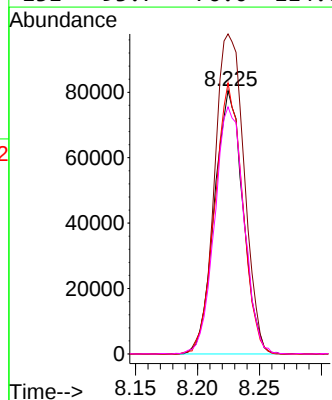
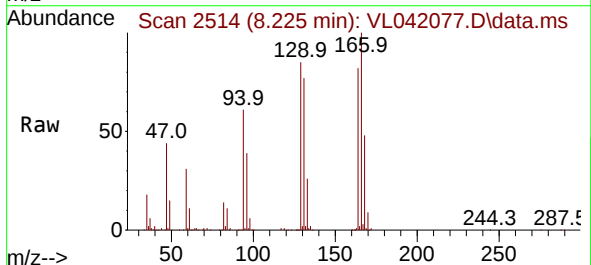
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

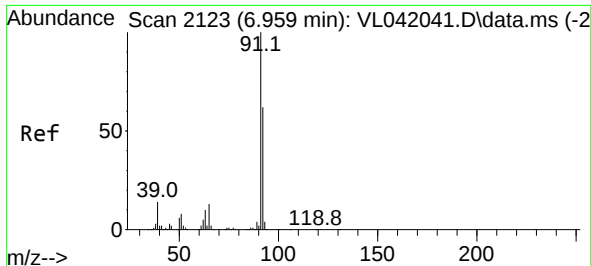
Tgt Ion: 43 Resp: 347904
Ion Ratio Lower Upper
43 100
58 46.0 39.0 58.6
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.068 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.019 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 164 Resp: 128803
Ion Ratio Lower Upper
164 100
166 121.4 95.7 143.5
129 102.9 77.1 115.7
131 93.7 76.0 114.0

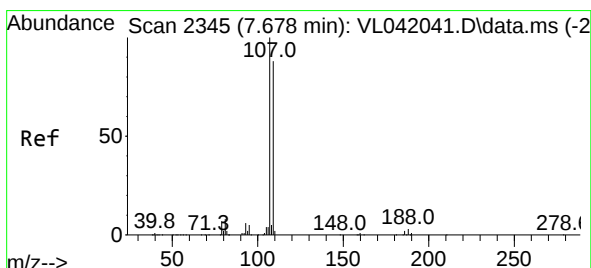
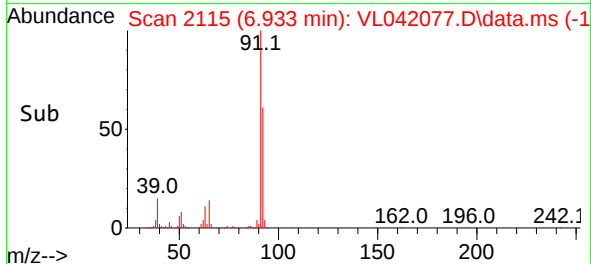
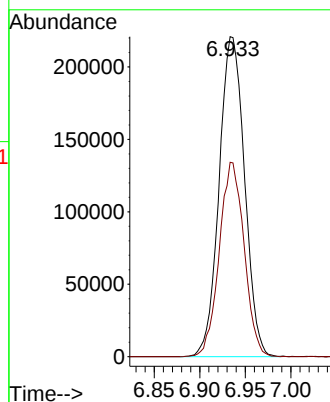
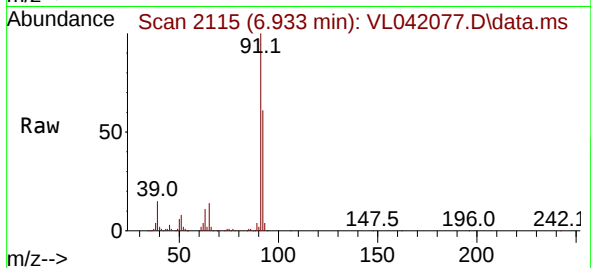




#53
Toluene
Concen: 10.262 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. -0.026 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

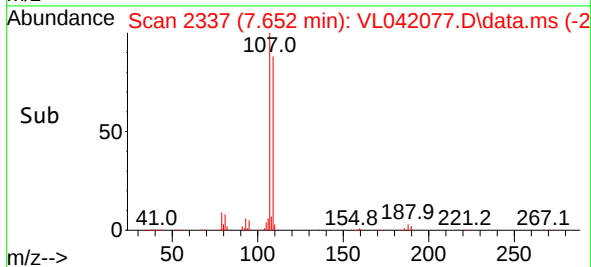
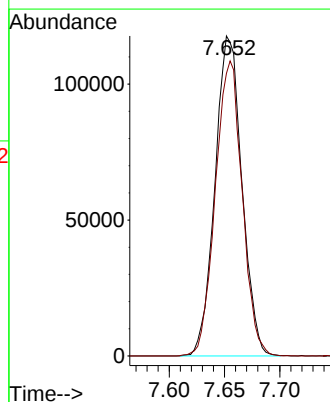
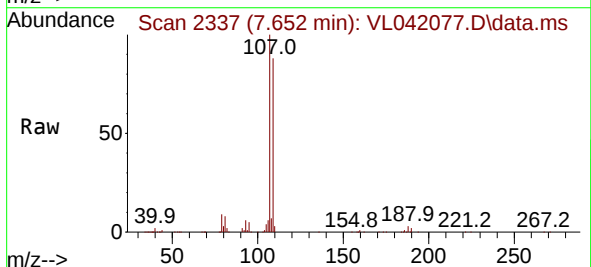
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

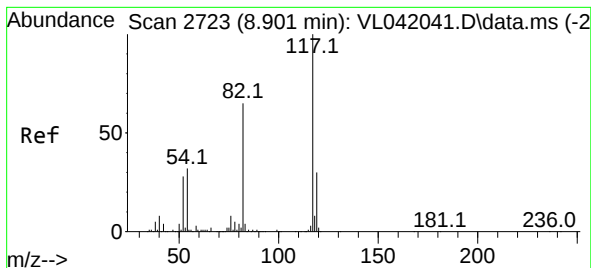
Tgt Ion: 91 Resp: 428586
Ion Ratio Lower Upper
91 100
92 59.4 49.0 73.6



#54
1,2-Dibromoethane
Concen: 10.235 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.026 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 107 Resp: 199250
Ion Ratio Lower Upper
107 100
109 88.2 70.2 105.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 21

Delta R.T. -0.019 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABS01

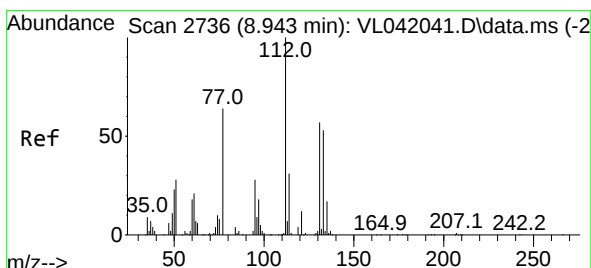
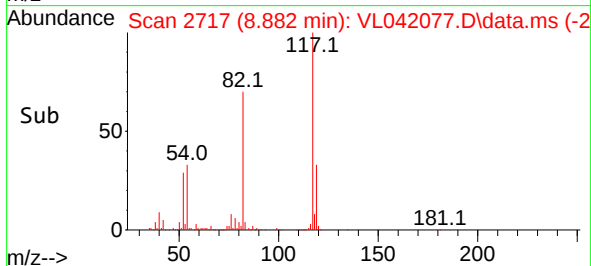
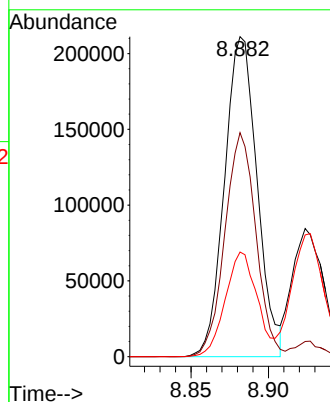
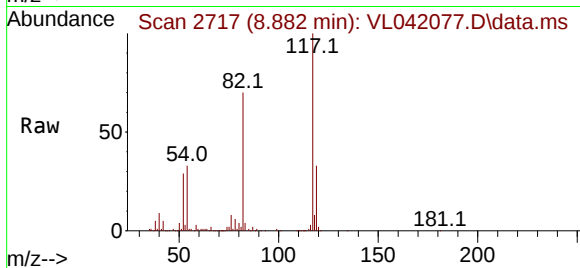
Tgt Ion:117 Resp: 309763

Ion Ratio Lower Upper

117 100

82 70.5 55.0 82.6

119 32.1 25.9 38.9



#56

1,1,1,2-Tetrachloroethane

Concen: 10.346 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. -0.016 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

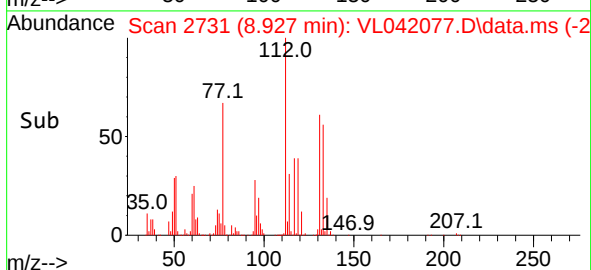
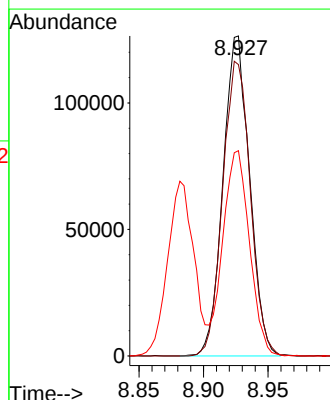
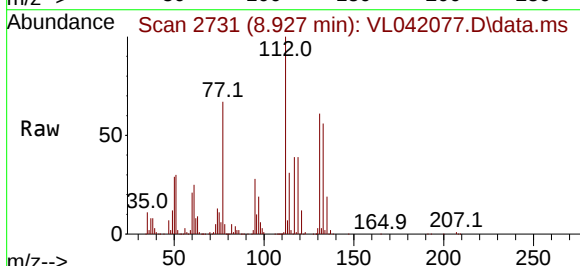
Tgt Ion:131 Resp: 181131

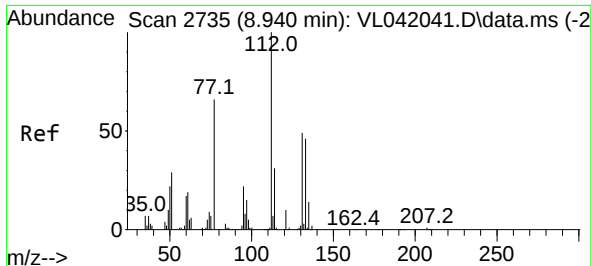
Ion Ratio Lower Upper

131 100

133 95.7 75.8 113.8

119 65.1 52.1 78.1

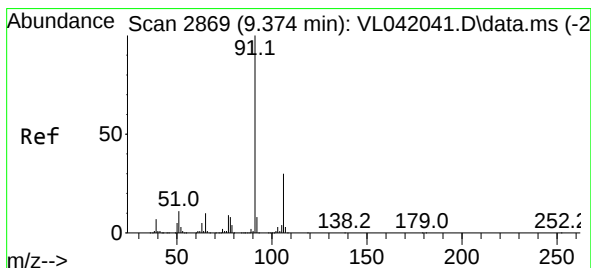
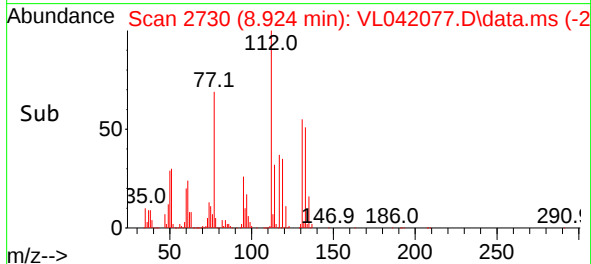
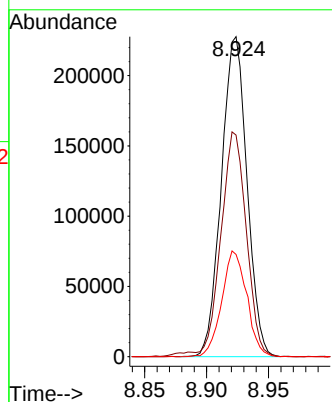
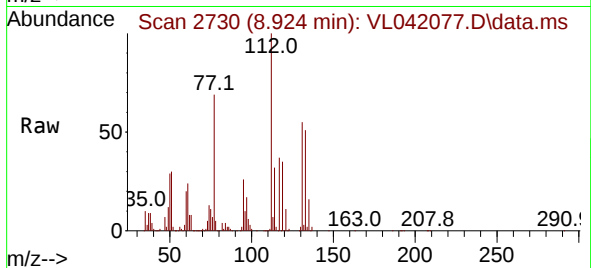




#57
Chlorobenzene
Concen: 10.225 ppbv
RT: 8.924 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

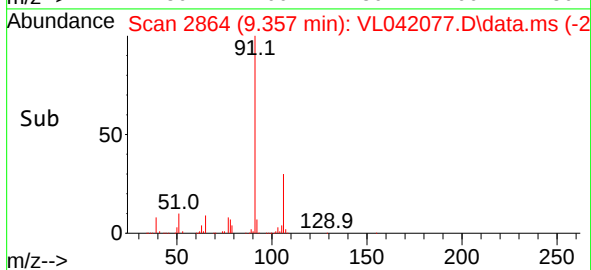
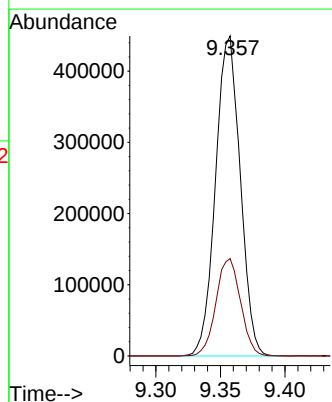
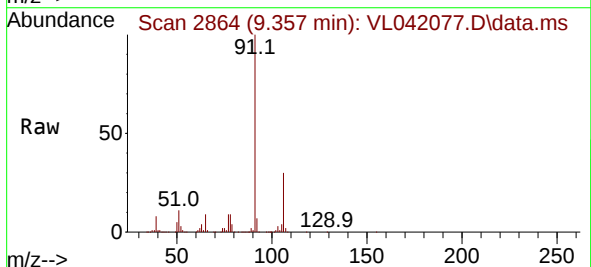
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

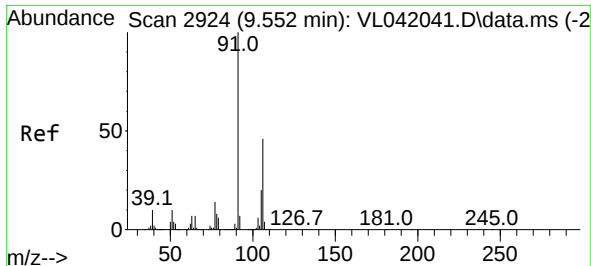
Tgt Ion:112 Resp: 328409
Ion Ratio Lower Upper
112 100
77 69.2 53.4 80.2
114 31.9 28.3 34.5



#58
Ethyl Benzene
Concen: 10.462 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.016 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion: 91 Resp: 596825
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.2





#59

m/p-Xylene

Concen: 11.043 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.019 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

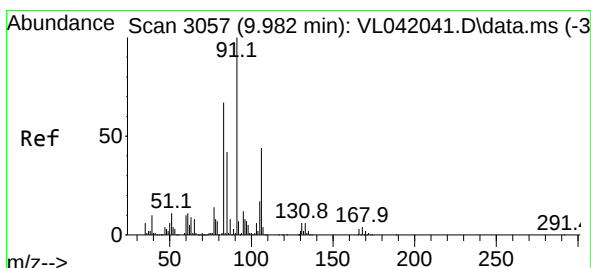
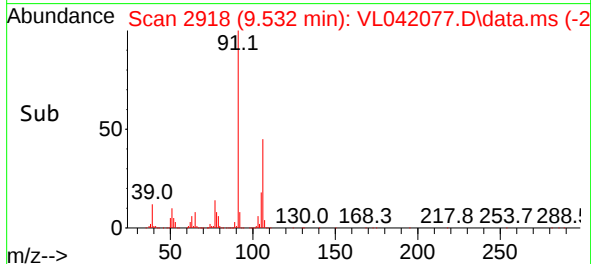
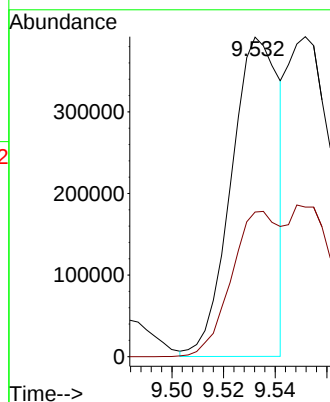
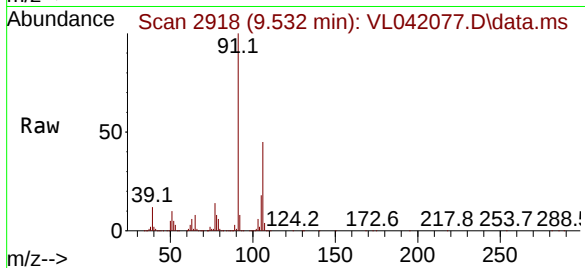
VL0303ABS01

Tgt Ion: 91 Resp: 501311

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 10.710 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.016 min

Lab File: VL042077.D

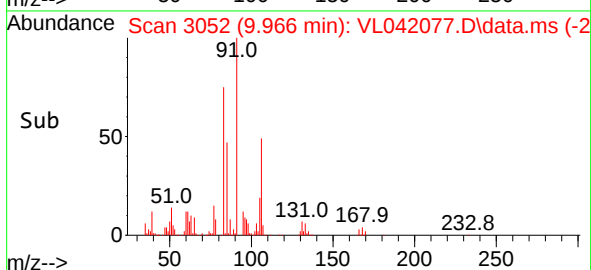
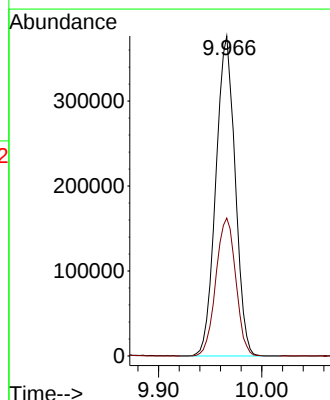
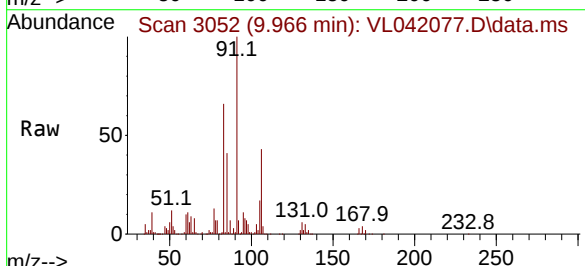
Acq: 03 Mar 2025 15:19

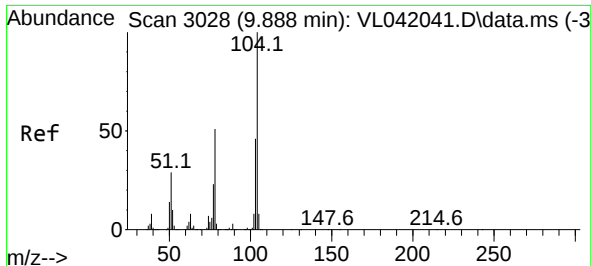
Tgt Ion: 91 Resp: 488769

Ion Ratio Lower Upper

91 100

106 44.3 22.3 66.8

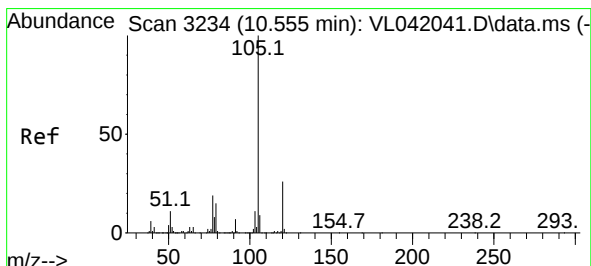
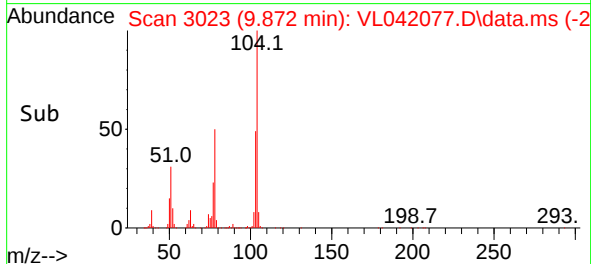
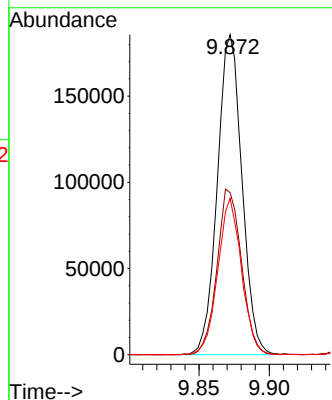
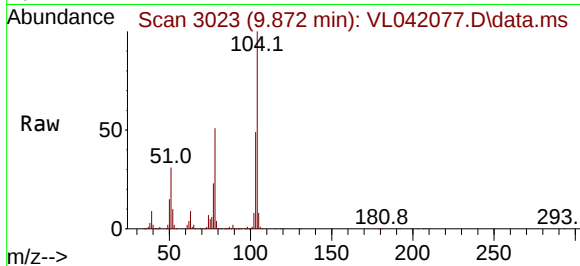




#61
Styrene
Concen: 10.558 ppbv
RT: 9.872 min Scan# 3028
Delta R.T. -0.016 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

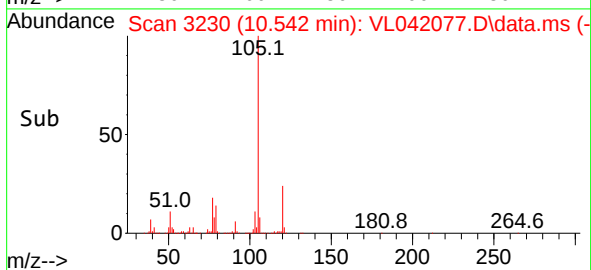
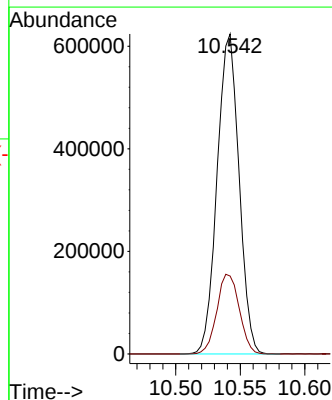
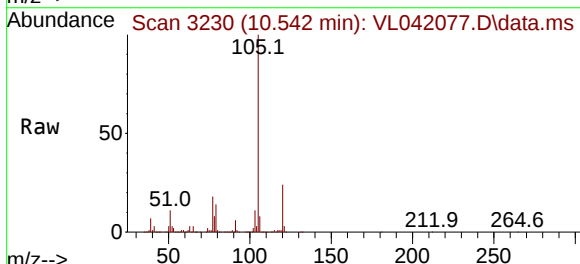
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

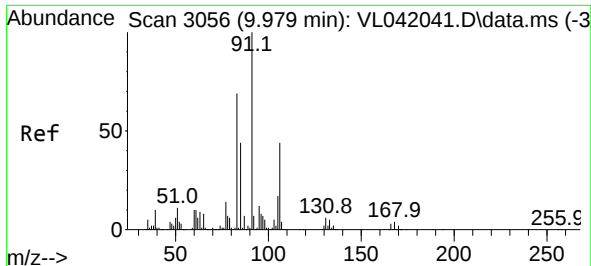
Tgt Ion:104 Resp: 226533
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.4
103 47.1 37.0 55.6



#62
Isopropylbenzene
Concen: 10.735 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.013 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion:105 Resp: 733758
Ion Ratio Lower Upper
105 100
120 25.6 20.7 31.1

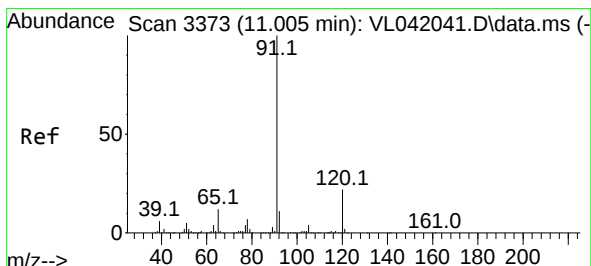
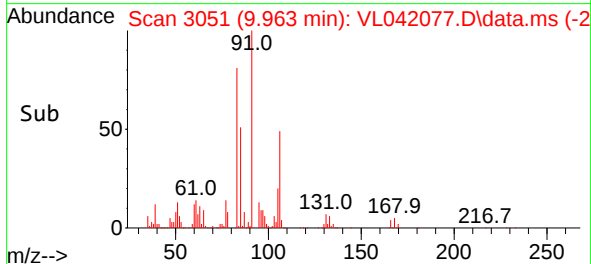
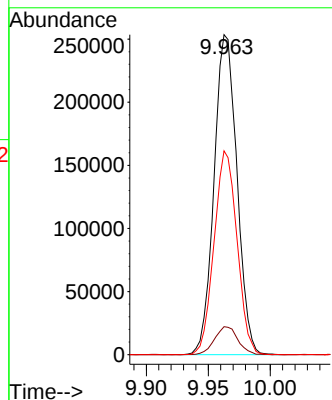
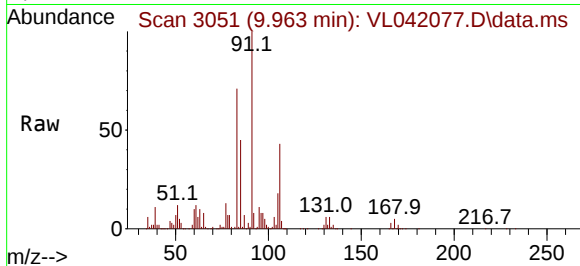




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.882 ppbv
 RT: 9.963 min Scan# 3051
 Delta R.T. -0.016 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

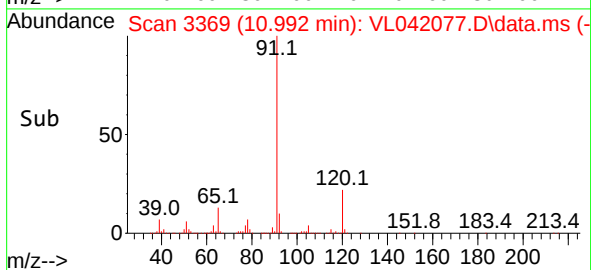
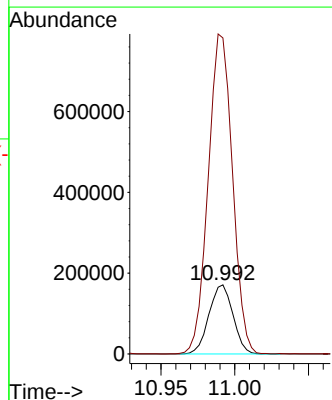
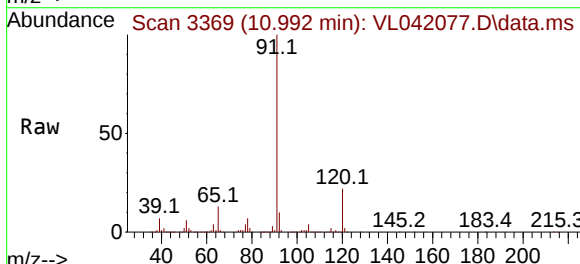
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0303ABS01

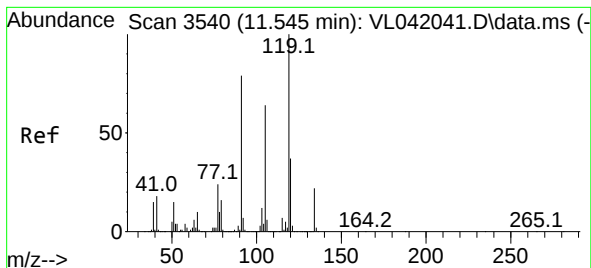
Tgt Ion: 83 Resp: 327069
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.5 13.7
 85 63.7 32.1 96.3



#64
 n-propylbenzene
 Concen: 10.741 ppbv
 RT: 10.992 min Scan# 3369
 Delta R.T. -0.013 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Tgt Ion: 120 Resp: 192573
 Ion Ratio Lower Upper
 120 100
 91 471.2 370.6 556.0





#65

tert-Butylbenzene

Concen: 10.340 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.013 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABS01

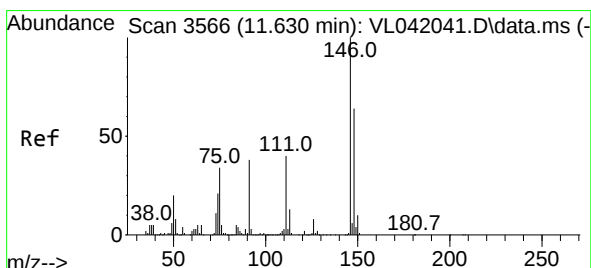
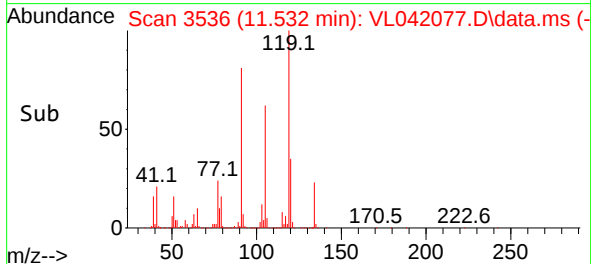
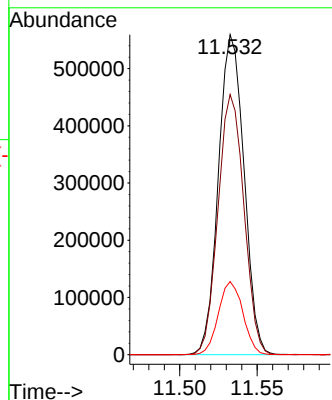
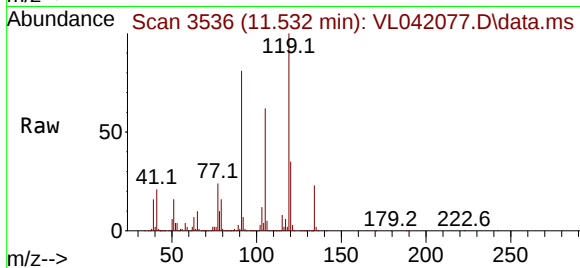
Tgt Ion:119 Resp: 643195

Ion Ratio Lower Upper

119 100

91 82.2 64.2 96.2

134 21.9 17.4 26.2



#66

Benzyl Chloride

Concen: 8.295 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. -0.013 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

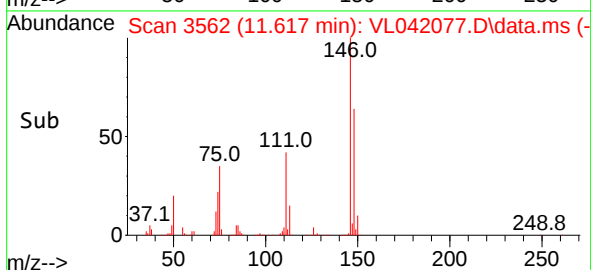
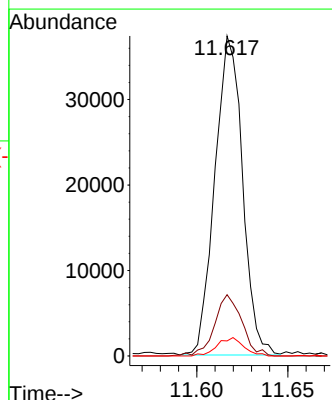
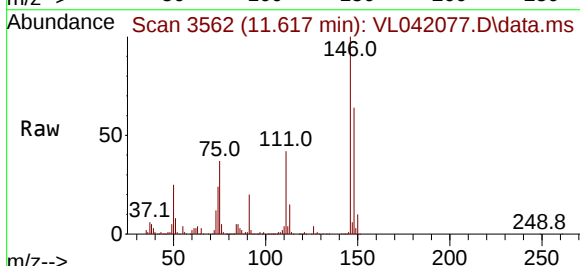
Tgt Ion: 91 Resp: 39375

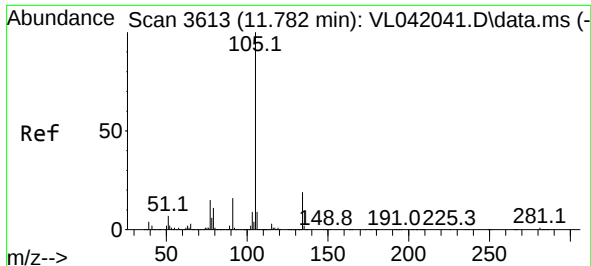
Ion Ratio Lower Upper

91 100

126 18.9 14.5 21.7

128 5.5 5.4 8.2

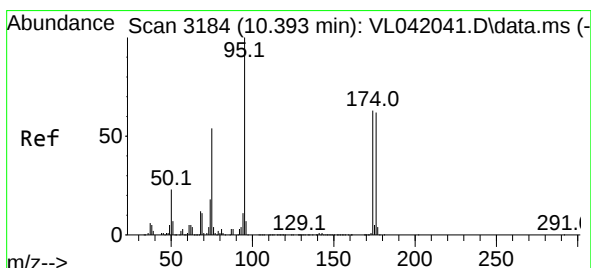
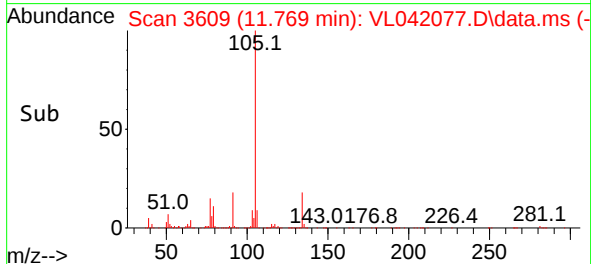
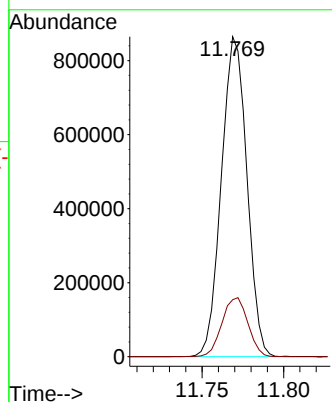
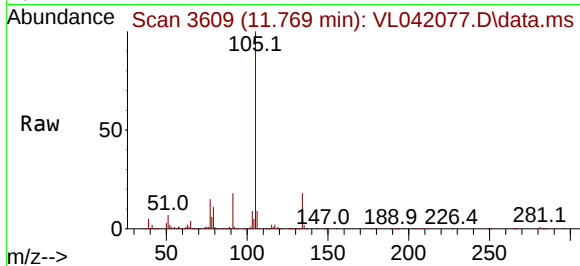




#67
 sec-Butylbenzene
 Concen: 10.567 ppbv
 RT: 11.769 min Scan# 3179
 Delta R.T. -0.013 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

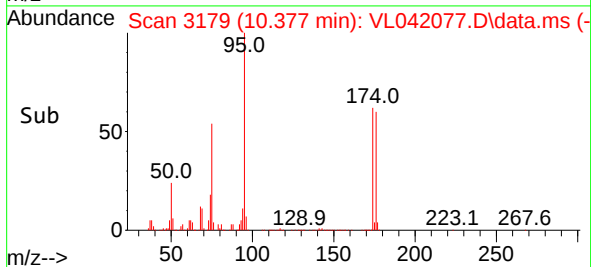
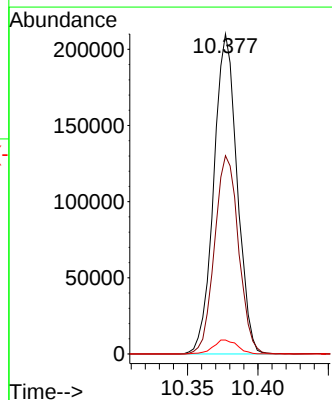
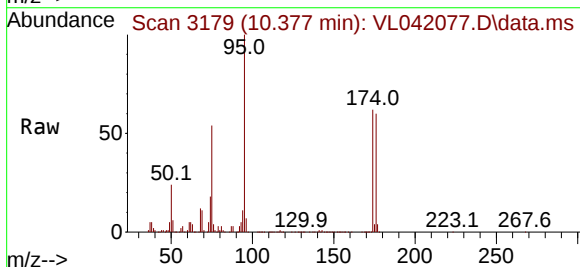
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

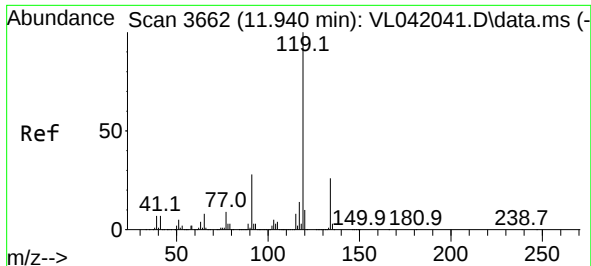
Tgt Ion:105 Resp: 940060
 Ion Ratio Lower Upper
 105 100
 134 18.8 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.181 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.016 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Tgt Ion: 95 Resp: 242622
 Ion Ratio Lower Upper
 95 100
 174 63.8 51.8 77.6
 175 4.5 3.9 5.9

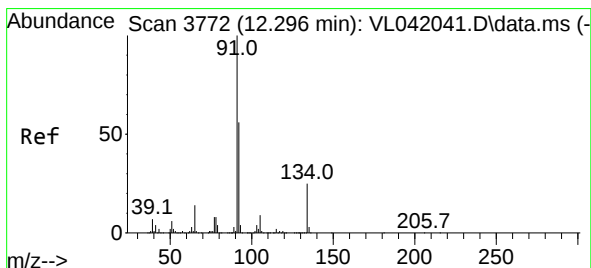
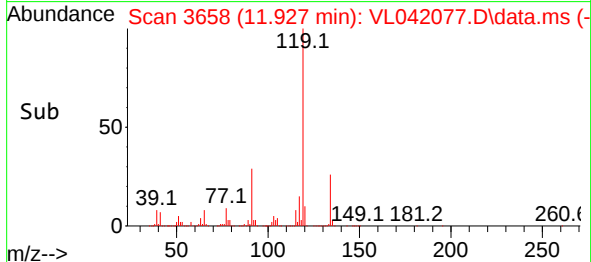
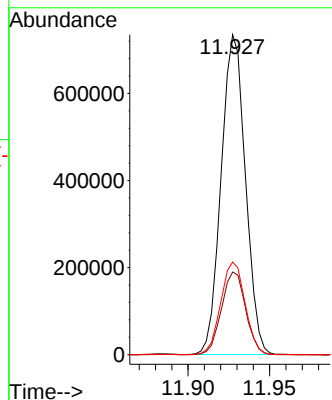
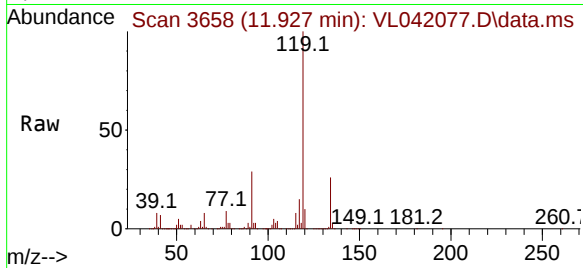




#69
 p-Isopropyltoluene
 Concen: 10.734 ppbv
 RT: 11.927 min Scan# 3658
 Delta R.T. -0.013 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

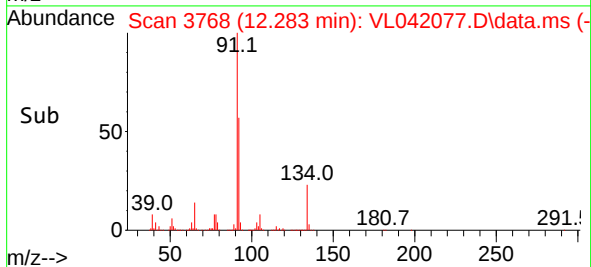
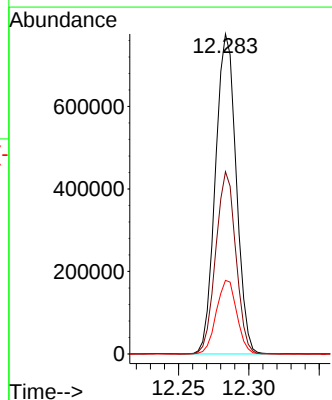
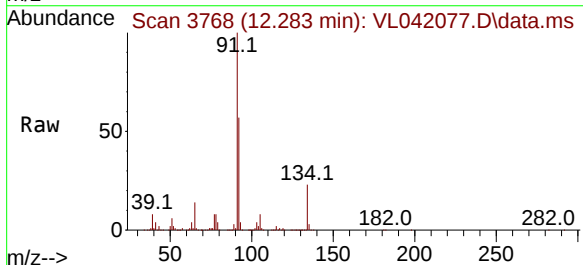
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

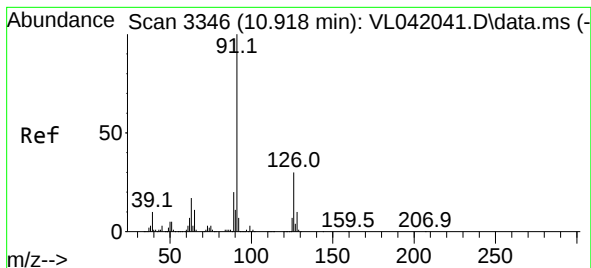
Tgt Ion:119 Resp: 759761
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.9 31.3
 91 29.1 23.1 34.7



#70
 n-Butylbenzene
 Concen: 11.010 ppbv
 RT: 12.283 min Scan# 3768
 Delta R.T. -0.013 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Tgt Ion: 91 Resp: 795433
 Ion Ratio Lower Upper
 91 100
 92 55.3 44.7 67.1
 134 22.7 18.9 28.3

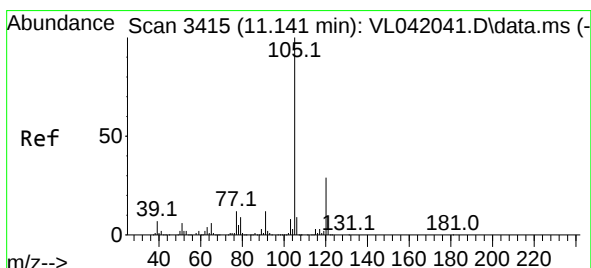
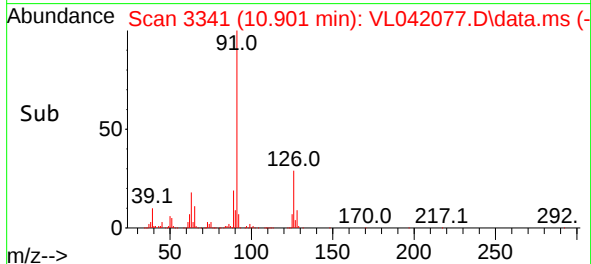
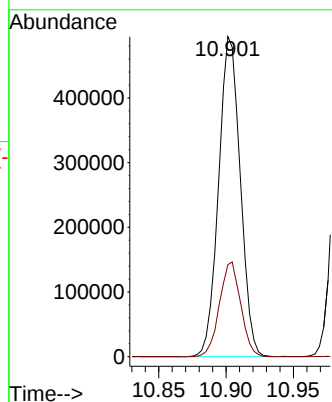
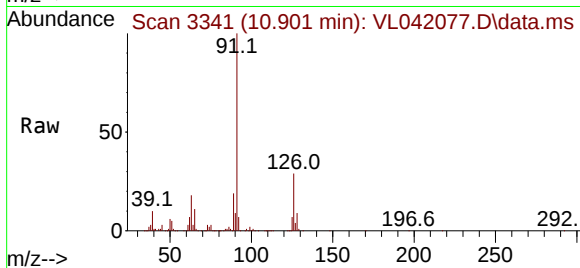




#71
2-Chlorotoluene
Concen: 10.510 ppbv
RT: 10.901 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

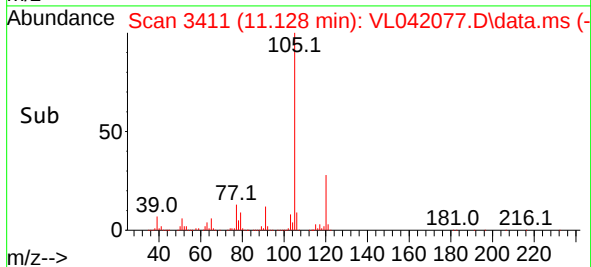
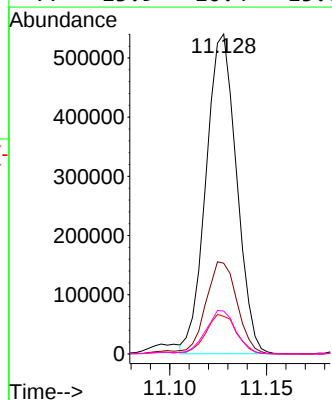
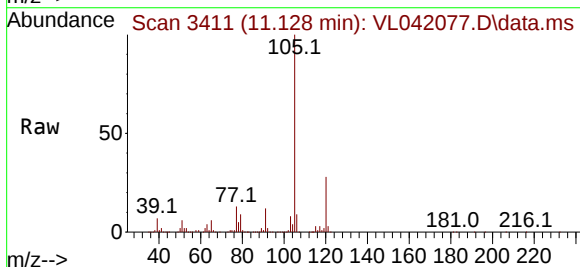
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS01

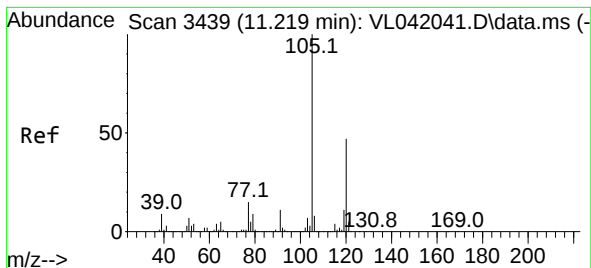
Tgt Ion: 91 Resp: 553780
Ion Ratio Lower Upper
91 100
126 29.0 11.9 47.5



#72
4-Ethyltoluene
Concen: 10.629 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.013 min
Lab File: VL042077.D
Acq: 03 Mar 2025 15:19

Tgt Ion:105 Resp: 592316
Ion Ratio Lower Upper
105 100
120 30.2 24.1 36.1
91 13.0 10.2 15.4
77 13.9 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 10.524 ppbv

RT: 11.206 min Scan# 3439

Delta R.T. -0.013 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_1

ClientSampleId :

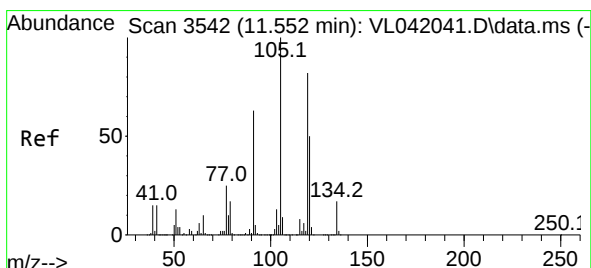
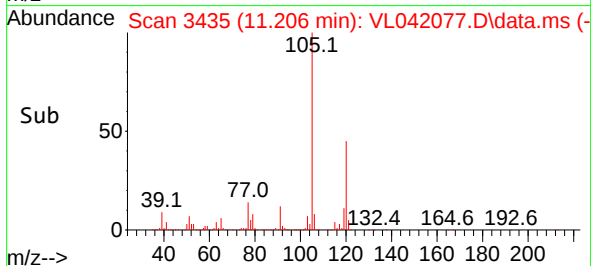
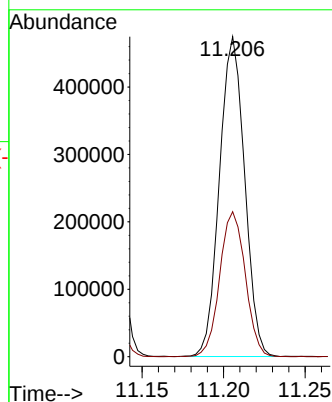
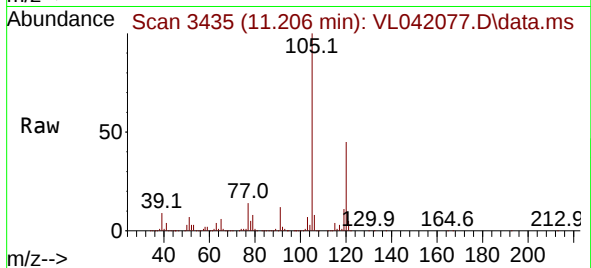
VL0303ABS01

Tgt Ion:105 Resp: 508702

Ion Ratio Lower Upper

105 100

120 45.3 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 10.248 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.013 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Tgt Ion:105 Resp: 557804

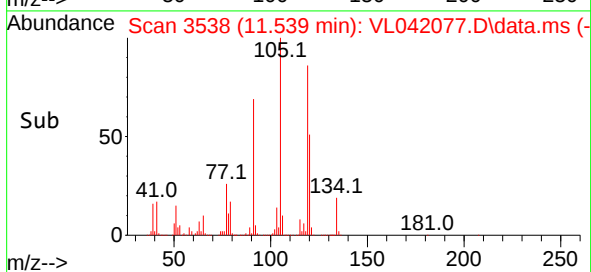
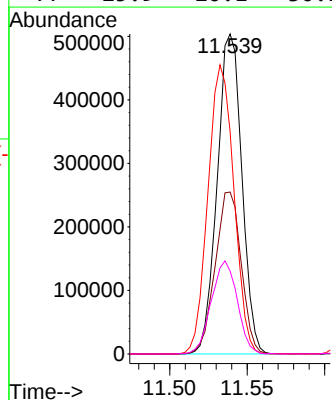
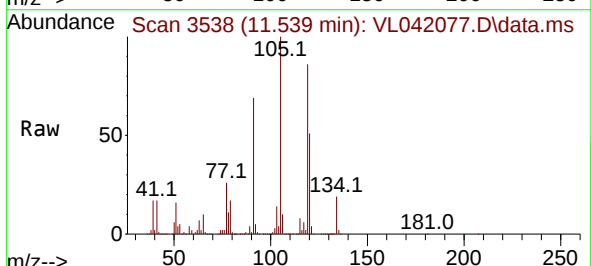
Ion Ratio Lower Upper

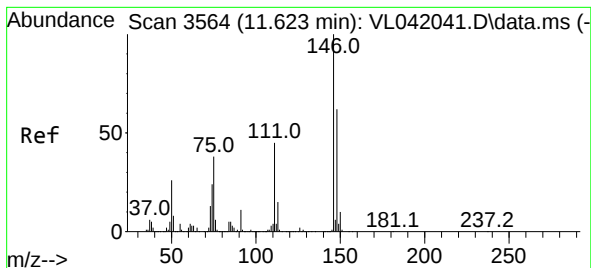
105 100

120 50.6 40.2 60.2

91 69.3 51.4 77.2

77 25.9 20.1 30.1





#75

1,3-Dichlorobenzene

Concen: 10.473 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.013 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABS01

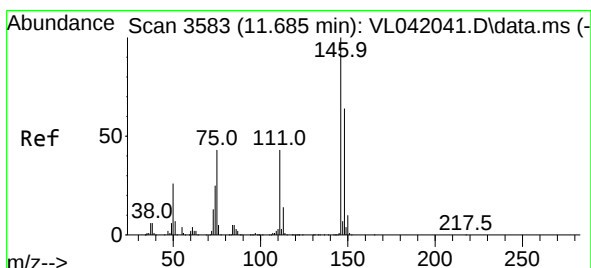
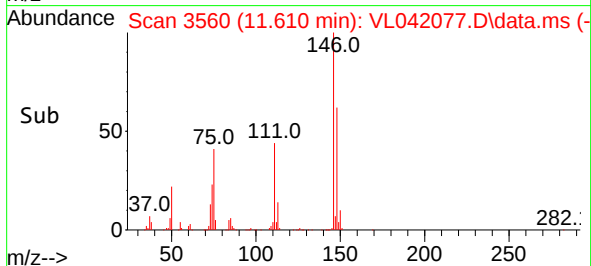
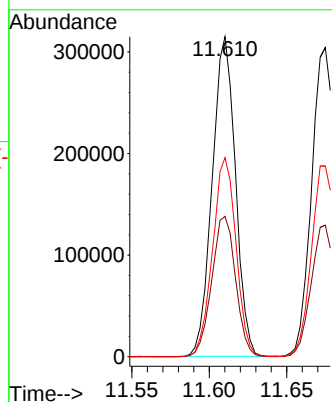
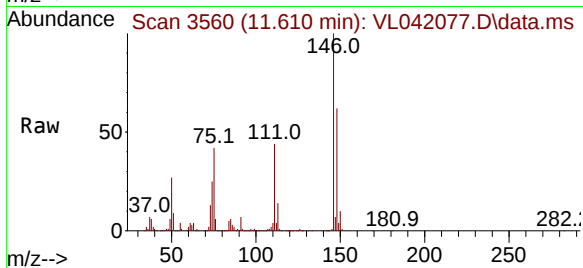
Tgt Ion:146 Resp: 328061

Ion Ratio Lower Upper

146 100

111 45.1 22.4 67.2

148 62.7 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 10.568 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. -0.010 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

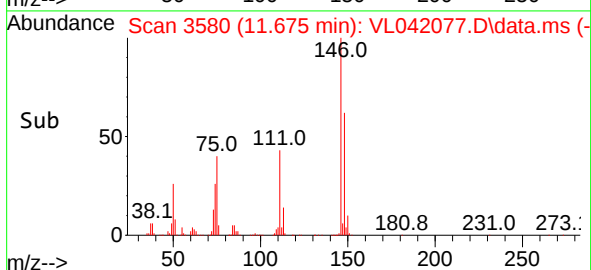
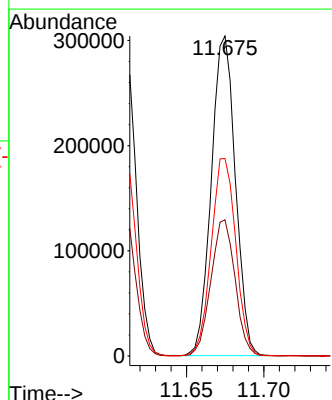
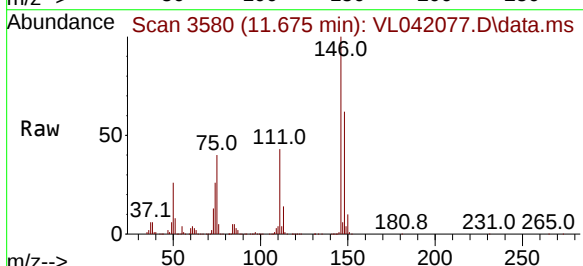
Tgt Ion:146 Resp: 328671

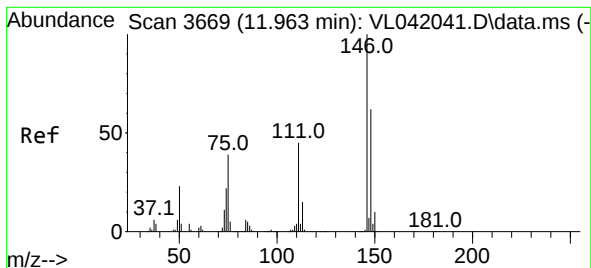
Ion Ratio Lower Upper

146 100

111 42.9 21.5 64.5

148 63.3 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 10.688 ppbv

RT: 11.950 min Scan# 3

Delta R.T. -0.013 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABS01

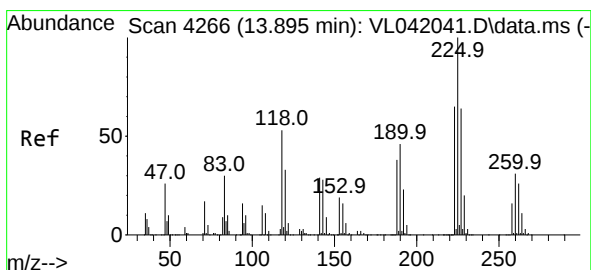
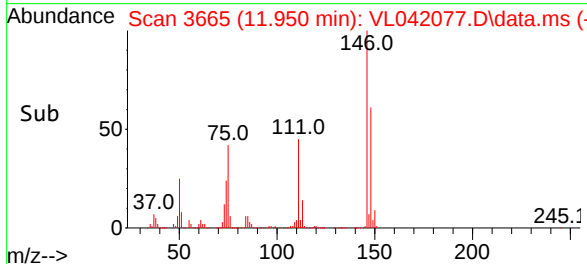
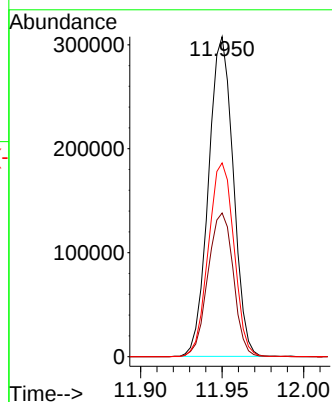
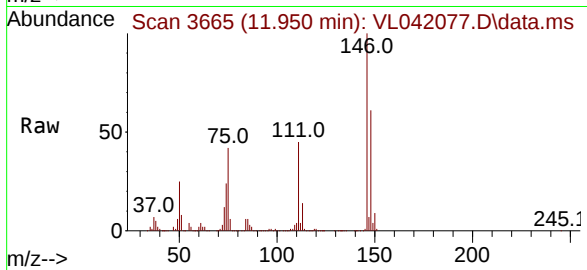
Tgt Ion:146 Resp: 324906

Ion Ratio Lower Upper

146 100

111 46.3 23.2 69.6

148 62.7 31.4 94.2



#78

Hexachloro-1,3-Butadiene

Concen: 9.827 ppbv

RT: 13.886 min Scan# 4263

Delta R.T. -0.010 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

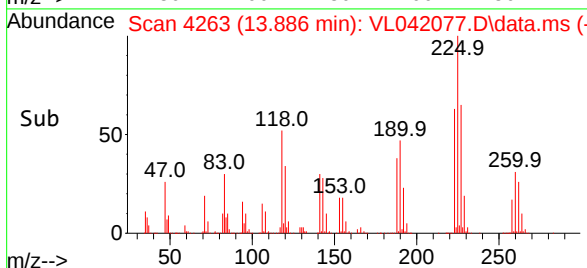
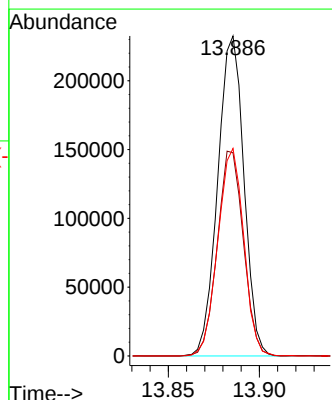
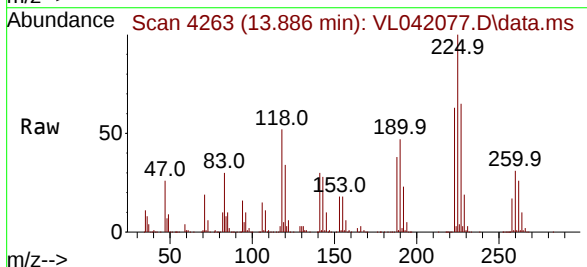
Tgt Ion:225 Resp: 232449

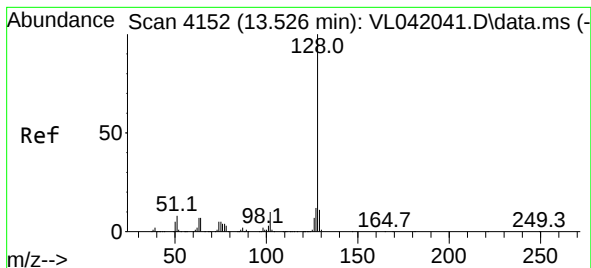
Ion Ratio Lower Upper

225 100

223 63.9 50.2 75.2

227 64.1 50.8 76.2





#79

Naphthalene

Concen: 13.490 ppbv

RT: 13.517 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABS01

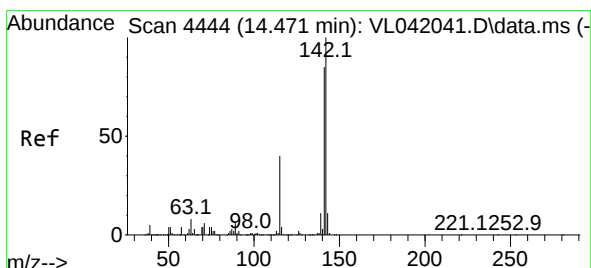
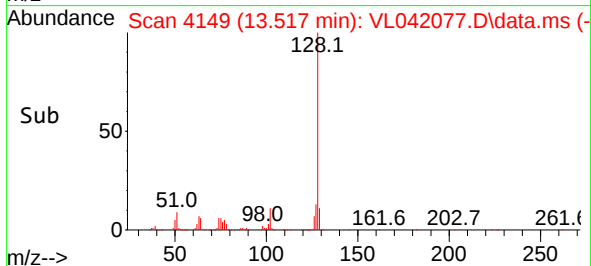
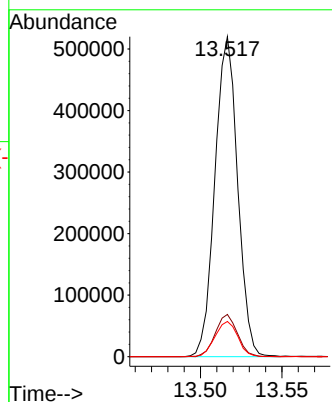
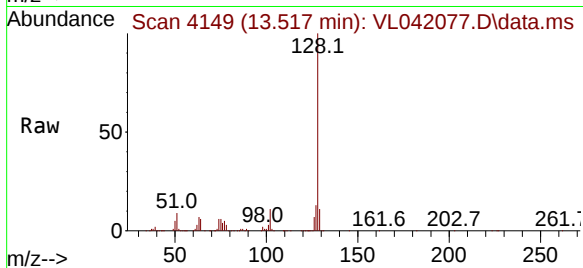
Tgt Ion:128 Resp: 503470

Ion Ratio Lower Upper

128 100

127 13.2 9.8 14.6

129 11.0 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 18.031 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. -0.010 min

Lab File: VL042077.D

Acq: 03 Mar 2025 15:19

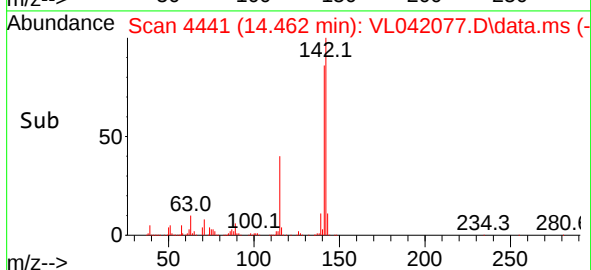
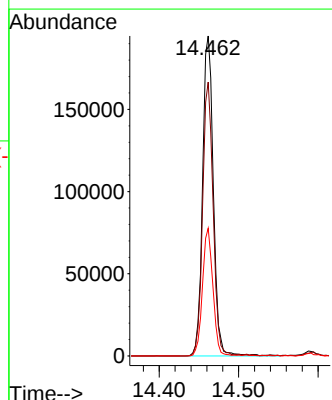
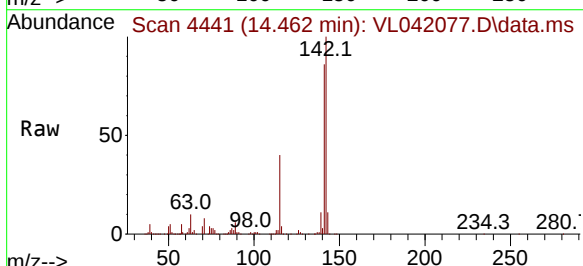
Tgt Ion:142 Resp: 184155

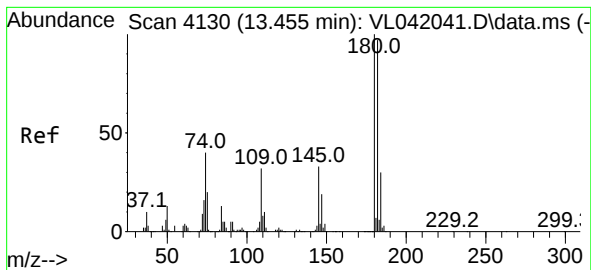
Ion Ratio Lower Upper

142 100

141 84.5 65.8 98.6

115 39.2 29.5 44.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.954 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL042077.D
 Acq: 03 Mar 2025 15:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

Tgt Ion:180 Resp: 227832
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.1 112.7
 184 30.5 23.8 35.6

