

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
 Data File : VL041961.D
 Acq On : 03 Feb 2025 12:57
 Operator : SY/MD
 Sample : VL00203ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 04 02:34:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	152847	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	418895	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	367437	10.000	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	287209	9.924	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	203280	9.764	ppbv	99
3) Chlorodifluoromethane	1.476	51	225433	10.336	ppbv	99
4) Chloromethane	1.535	50	81880	10.457	ppbv	94
5) Vinyl Chloride	1.583	62	77713	9.799	ppbv	98
6) Bromomethane	1.670	94	36640	9.694	ppbv	88
7) Chloroethane	1.706	64	31280	10.137	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	179670	9.875	ppbv	98
9) Propene	1.486	41	91411	10.174	ppbv	99
10) Heptane	4.985	43	161638	6.731	ppbv	99
11) Trichlorofluoromethane	1.881	101	201683	9.312	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	164938	9.717	ppbv	98
13) Ethanol	1.722	45	4592	6.978	ppbv	91
14) Bromoethene	1.784	108	57833	9.306	ppbv	99
15) Acetone	1.839	43	165826	9.033	ppbv	98
16) 1,3-Butadiene	1.609	39	83163	10.093	ppbv	98
17) tert-Butyl alcohol	2.043	59	198776	8.797	ppbv	98
18) 1,1-Dichloroethene	2.036	96	70323	9.192	ppbv	97
19) Isopropyl Alcohol	1.891	45	99004	9.096	ppbv	95
20) Methylene Chloride	2.065	84	62278	8.584	ppbv	99
21) Allyl Chloride	2.098	41	122853	9.664	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	85089	9.855	ppbv	98
23) Vinyl Acetate	2.467	43	86919	9.552	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	166034	9.942	ppbv	99
25) Ethyl Acetate	2.842	43	536156	10.831	ppbv	100
26) Hexane	2.832	57	210051	10.728	ppbv	95
27) Carbon Disulfide	2.153	76	198444	10.242	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	110198	7.364	ppbv	99
29) Chloroform	2.855	83	325966	10.532	ppbv	96
30) Cyclohexane	3.865	84	173840	10.236	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	204611	9.925	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	305623	10.320	ppbv	99
34) 2-Butanone	2.564	43	302190	11.344	ppbv	99
35) Carbon Tetrachloride	3.768	117	309917	11.778	ppbv	97
36) Benzene	3.664	78	426241	11.094	ppbv	99
37) 1,2-Dichloroethane	3.224	62	235620	10.920	ppbv	99
38) Trichloroethene	4.554	130	167629	10.995	ppbv	97
39) 1,2-Dichloropropane	4.318	63	151232	11.221	ppbv	97
40) 1,4-Dioxane	4.590	88	74021	10.876	ppbv #	100
41) Tetrahydrofuran	3.062	42	169798	11.728	ppbv	98
42) Bromodichloromethane	4.496	83	335595	11.600	ppbv	98
43) Methyl Methacrylate	4.884	69	102724	7.197	ppbv	96
44) 2,2,4-Trimethylpentane	4.648	57	725196	11.670	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	145441	10.886	ppbv	94

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 QLast Update : Tue Jan 14 23:15:42 2025
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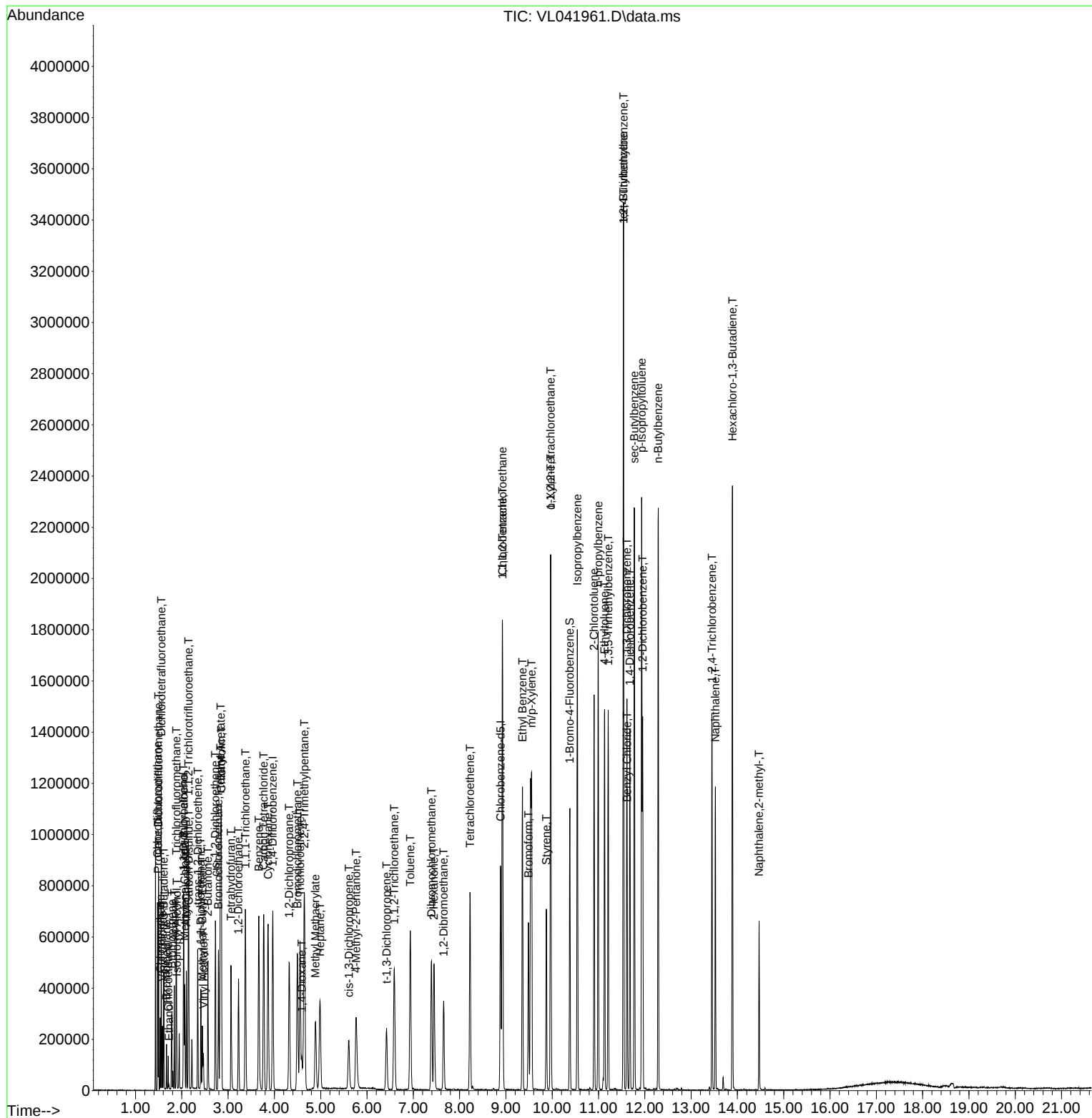
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	122518	6.985	ppbv	98
47) 1,1,2-Trichloroethane	6.590	97	167038	11.694	ppbv	95
48) Dibromochloromethane	7.390	129	260120	11.803	ppbv	100
49) Bromoform	9.487	173	217089	11.991	ppbv	99
50) 4-Methyl-2-Pentanone	5.765	43	267280	7.350	ppbv	98
51) 2-Hexanone	7.445	43	328817	11.767	ppbv #	96
52) Tetrachloroethene	8.225	164	136143	10.220	ppbv	97
53) Toluene	6.936	91	469033	11.207	ppbv	99
54) 1,2-Dibromoethane	7.655	107	222983	11.356	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	214758	11.715	ppbv	99
57) Chlorobenzene	8.924	112	382465	11.284	ppbv	99
58) Ethyl Benzene	9.357	91	646825	11.264	ppbv	98
59) m/p-Xylene	9.555	91	465820	10.120	ppbv #	6
60) o-Xylene	9.966	91	537558	11.766	ppbv	98
61) Styrene	9.872	104	239767	11.699	ppbv	98
62) Isopropylbenzene	10.542	105	802003	11.345	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	357905	12.260	ppbv	100
64) n-propylbenzene	10.992	120	208748	11.686	ppbv	99
65) tert-Butylbenzene	11.536	119	731901	11.360	ppbv	99
66) Benzyl Chloride	11.620	91	41013	10.285	ppbv	97
67) sec-Butylbenzene	11.772	105	1015579	11.448	ppbv	99
69) p-Isopropyltoluene	11.931	119	836492	11.451	ppbv	98
70) n-Butylbenzene	12.290	91	824000	11.374	ppbv	100
71) 2-Chlorotoluene	10.905	91	592446	11.329	ppbv	99
72) 4-Ethyltoluene	11.131	105	634050	11.602	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	551677	11.432	ppbv	97
74) 1,2,4-Trimethylbenzene	11.542	105	602744	11.533	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	348392	11.249	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	344428	11.367	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	350456	11.418	ppbv	98
78) Hexachloro-1,3-Butadiene	13.892	225	239328	9.500	ppbv	99
79) Naphthalene	13.523	128	539332	10.249	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	172189	6.902	ppbv	97
81) 1,2,4-Trichlorobenzene	13.452	180	244059	9.502	ppbv	99

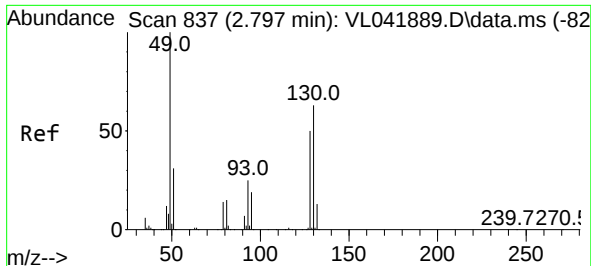
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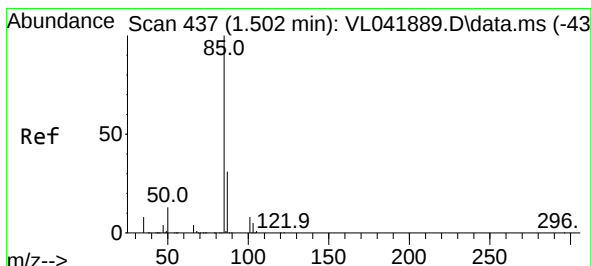
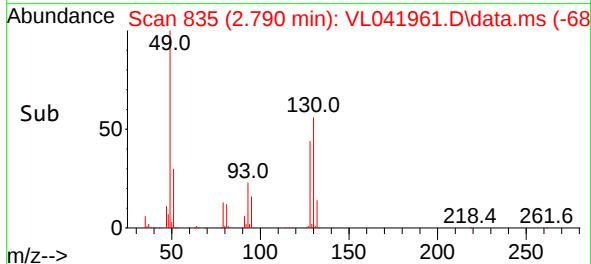
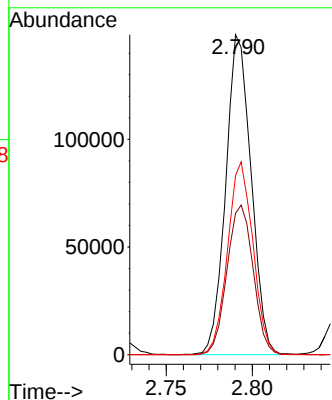
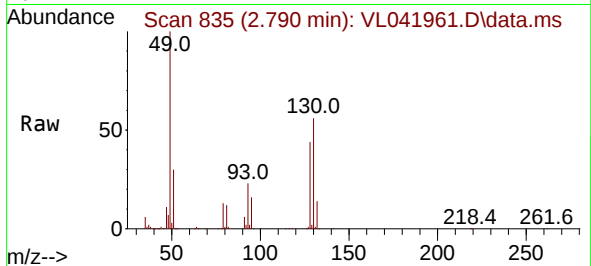




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

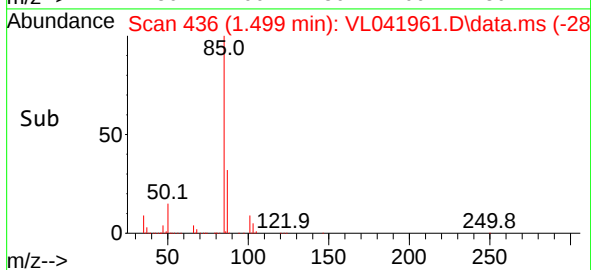
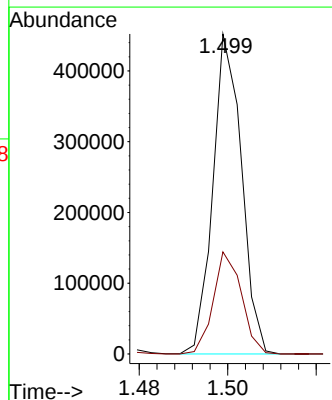
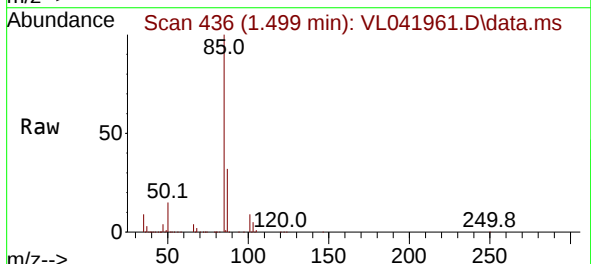
Instrument :
 MSVOA_L
 ClientSampleId :

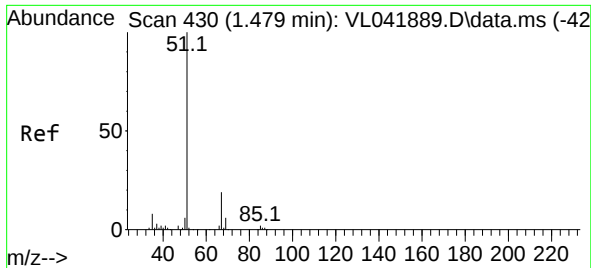
Tgt Ion: 49 Resp: 152847
 Ion Ratio Lower Upper
 49 100
 128 48.1 24.3 73.0
 130 60.2 31.1 93.2



#2
 Dichlorodifluoromethane
 Concen: 9.764 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.003 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

Tgt Ion: 85 Resp: 203280
 Ion Ratio Lower Upper
 85 100
 87 31.9 24.9 37.3

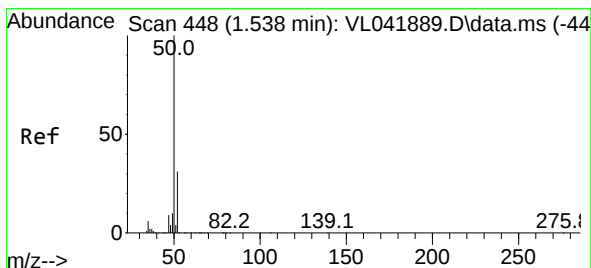
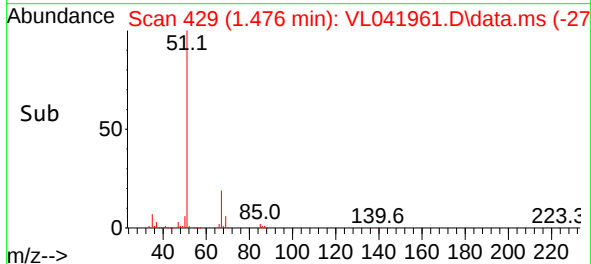
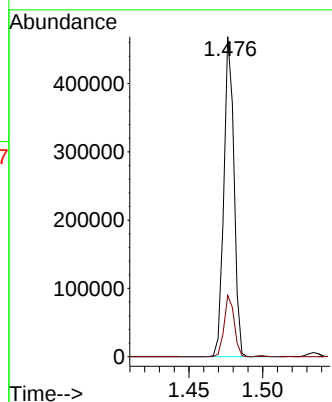
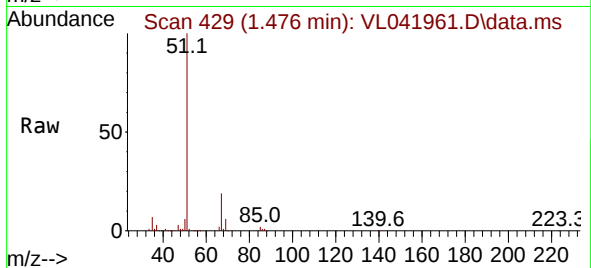




#3
Chlorodifluoromethane
Concen: 10.336 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

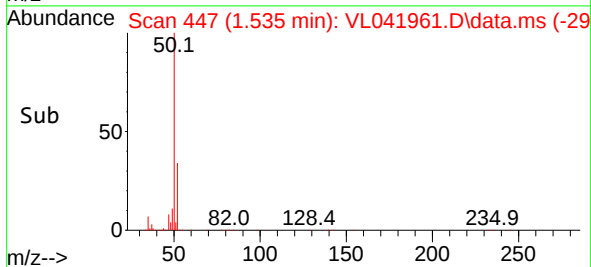
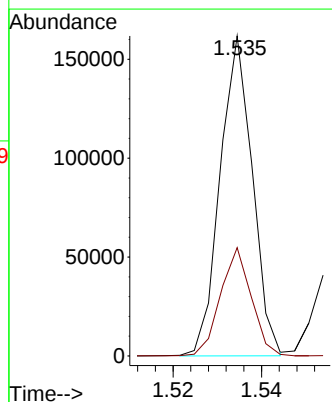
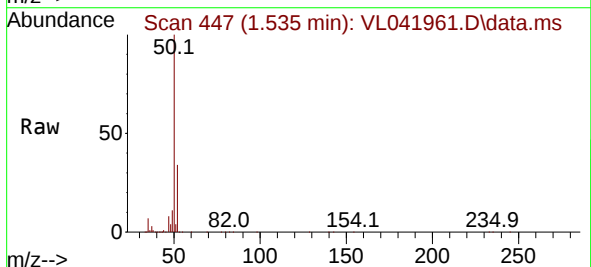
Instrument :
MSVOA_L
ClientSampleId :

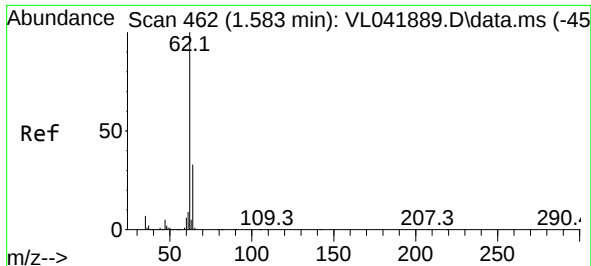
Tgt Ion: 51 Resp: 225433
Ion Ratio Lower Upper
51 100
67 19.1 15.0 22.4



#4
Chloromethane
Concen: 10.457 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 50 Resp: 81880
Ion Ratio Lower Upper
50 100
52 33.8 24.6 36.8

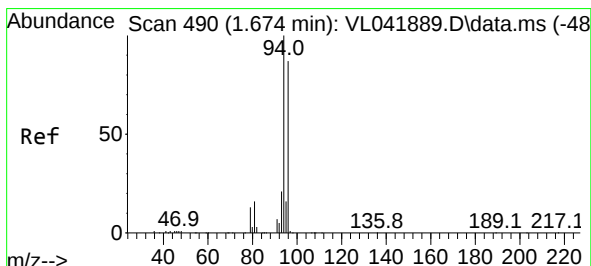
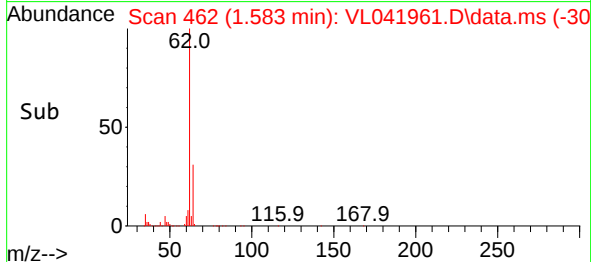
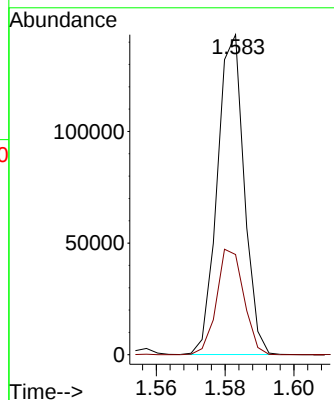
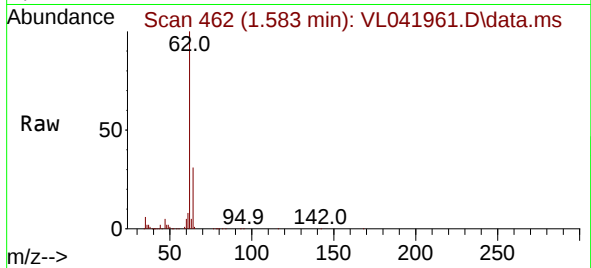




#5
 Vinyl Chloride
 Concen: 9.799 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

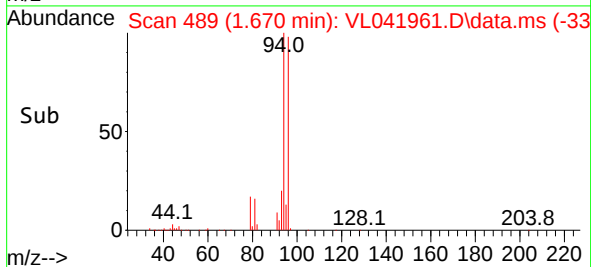
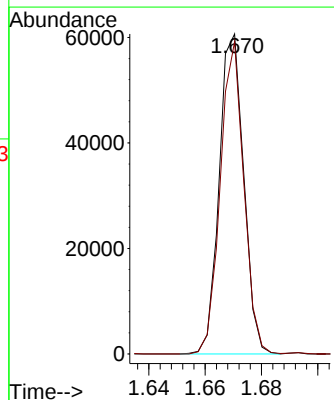
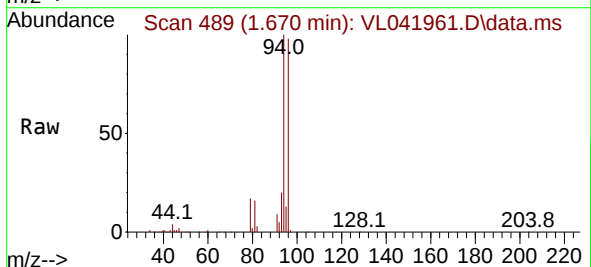
Instrument :
 MSVOA_L
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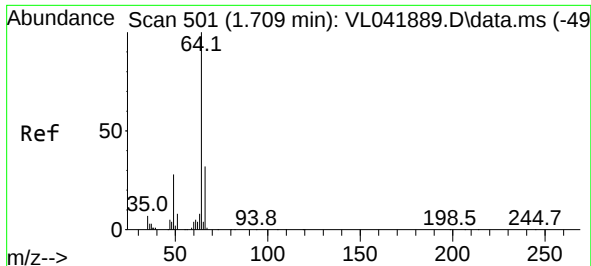
Tgt Ion: 62 Resp: 77713
 Ion Ratio Lower Upper
 62 100
 64 31.4 26.1 39.1



#6
 Bromomethane
 Concen: 9.694 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

Tgt Ion: 94 Resp: 36640
 Ion Ratio Lower Upper
 94 100
 96 97.6 69.5 104.3

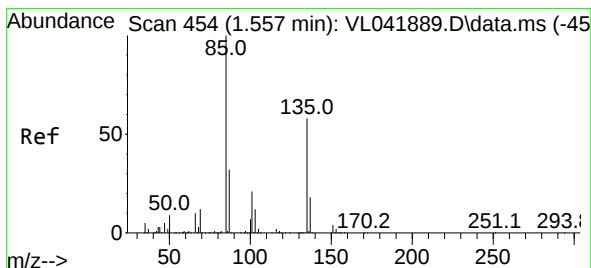
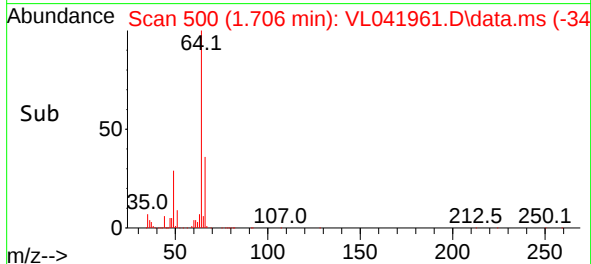
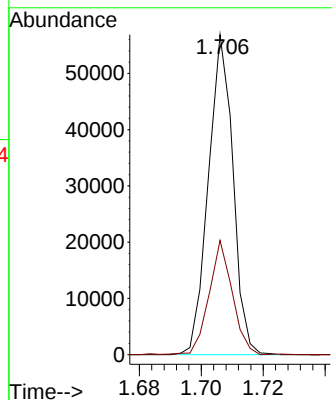
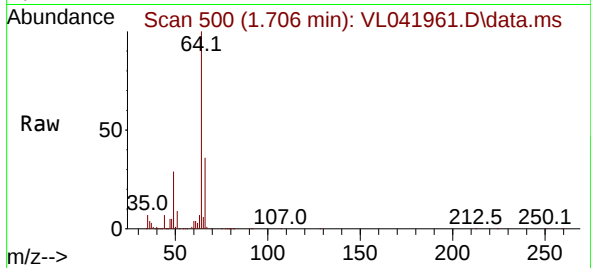




#7
Chloroethane
Concen: 10.137 ppbv
RT: 1.706 min Scan# 501
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

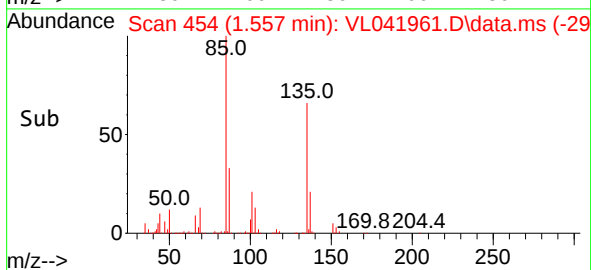
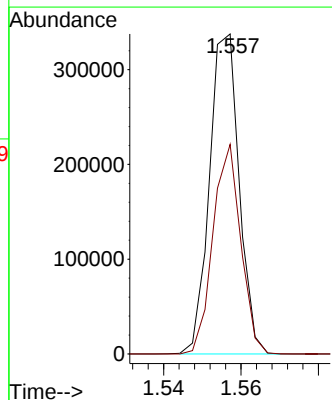
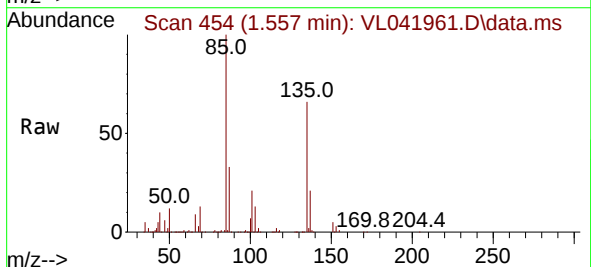
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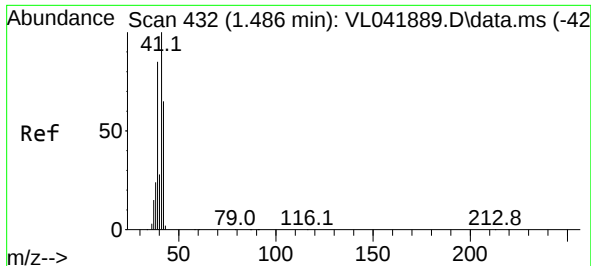
Tgt Ion: 64 Resp: 31280
Ion Ratio Lower Upper
64 100
66 35.7 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 9.875 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 85 Resp: 179670
Ion Ratio Lower Upper
85 100
135 61.3 50.0 75.0





#9

Propene

Concen: 10.174 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041961.D

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Instrument :

MSVOA_L

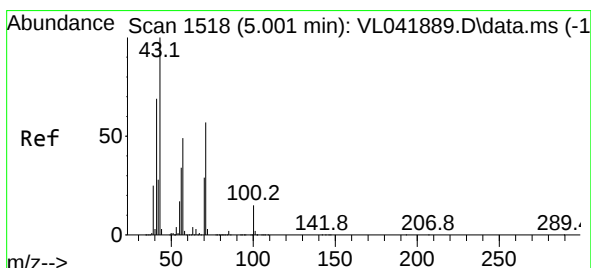
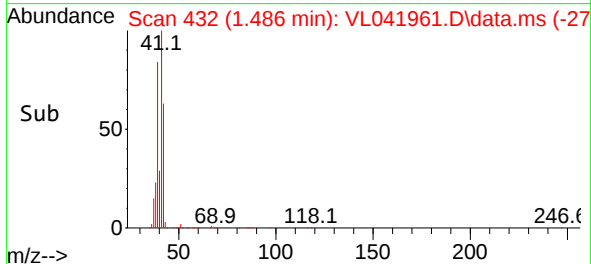
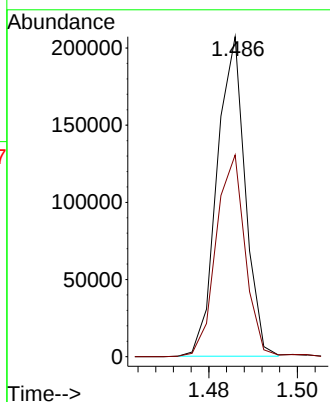
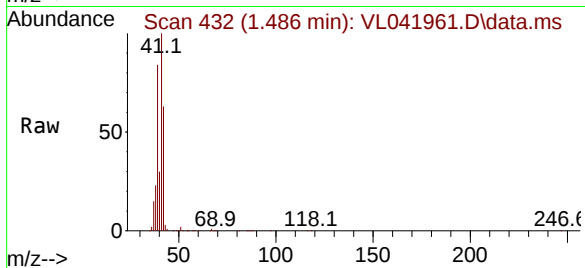
ClientSampleId :

Tgt Ion: 41 Resp: 91411

Ion Ratio Lower Upper

41 100

42 66.1 52.0 78.0



#10

Heptane

Concen: 6.731 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. -0.016 min

Lab File: VL041961.D

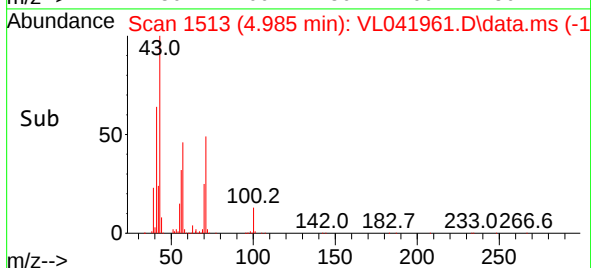
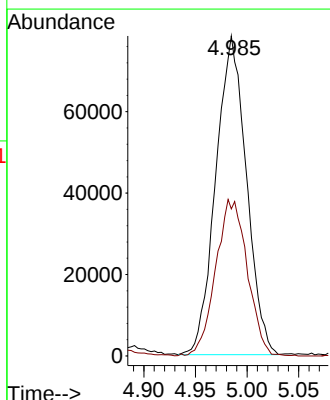
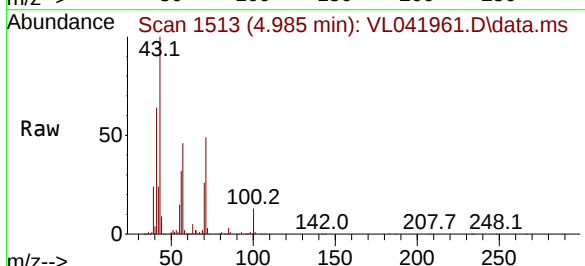
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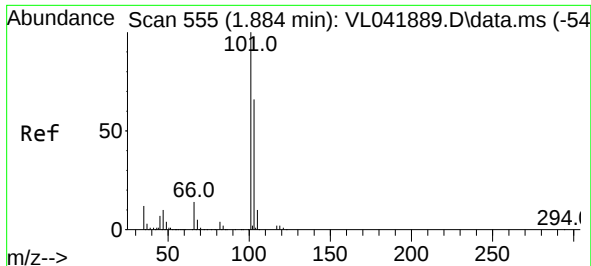
Tgt Ion: 43 Resp: 161638

Ion Ratio Lower Upper

43 100

57 50.7 41.0 61.4

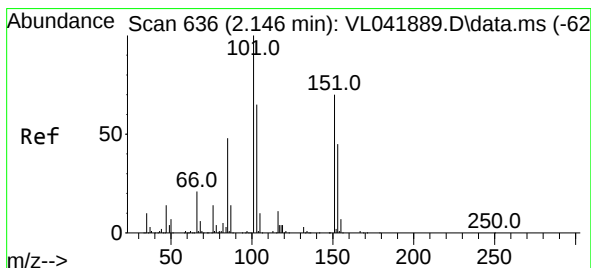
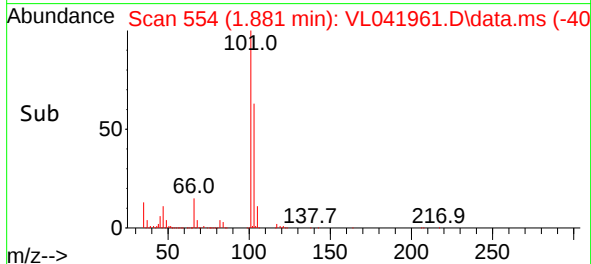
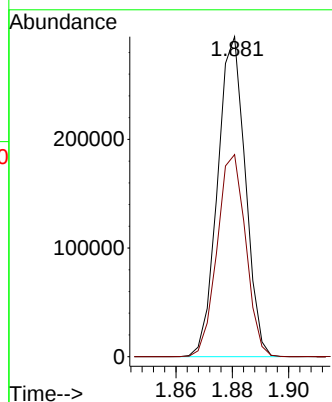
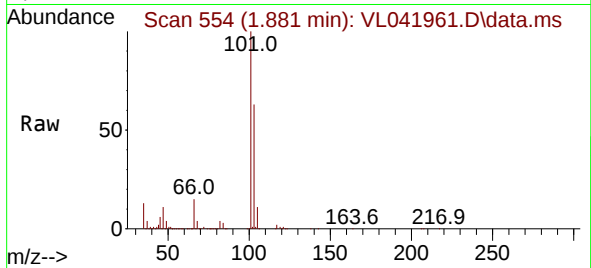




#11
 Trichlorofluoromethane
 Concen: 9.312 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

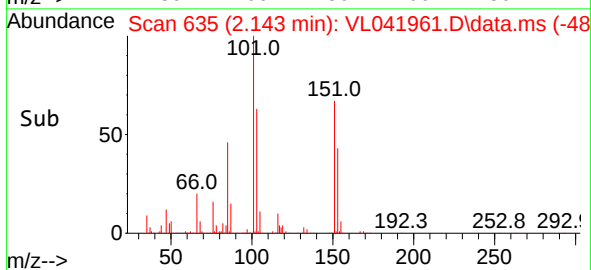
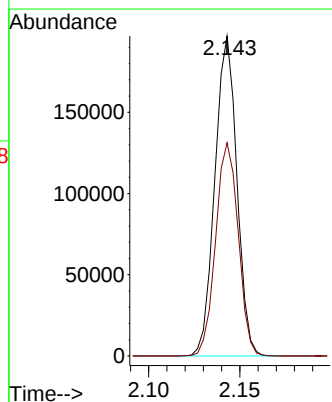
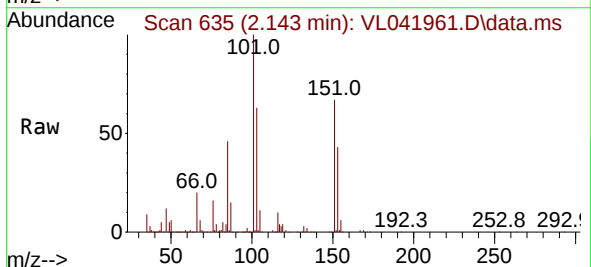
Instrument :
 MSVOA_L
 ClientSampleId :

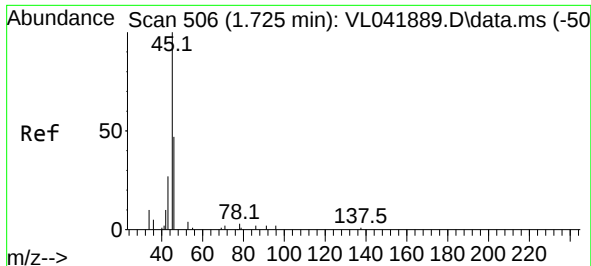
Tgt Ion:101 Resp: 201683
 Ion Ratio Lower Upper
 101 100
 103 63.1 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.717 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.003 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

Tgt Ion:101 Resp: 164938
 Ion Ratio Lower Upper
 101 100
 151 68.3 56.1 84.1

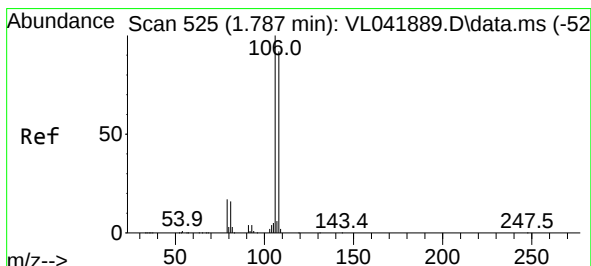
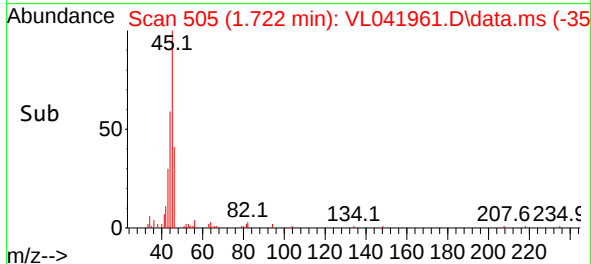
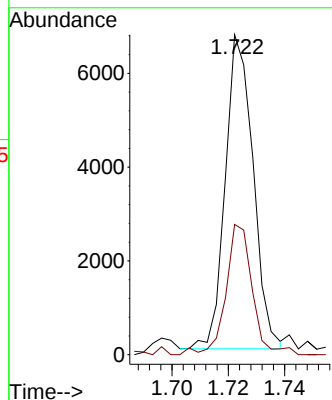
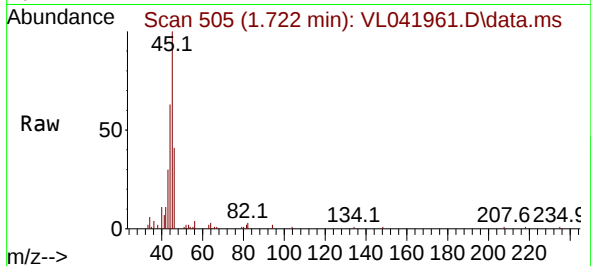




#13
Ethanol
Concen: 6.978 ppbv
RT: 1.722 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

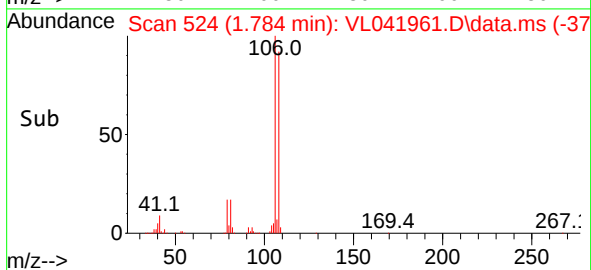
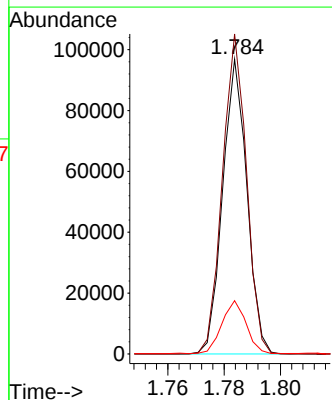
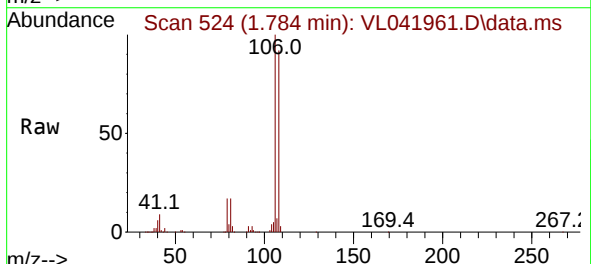
Instrument :
MSVOA_L
ClientSampleId :

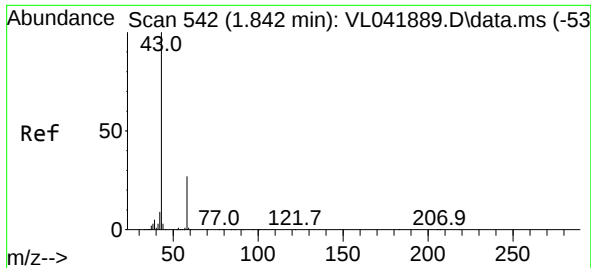
Tgt Ion: 45 Resp: 4592
Ion Ratio Lower Upper
45 100
46 39.5 18.1 72.5



#14
Bromoethene
Concen: 9.306 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 108 Resp: 57833
Ion Ratio Lower Upper
108 100
106 107.6 85.5 128.3
79 19.4 15.3 22.9

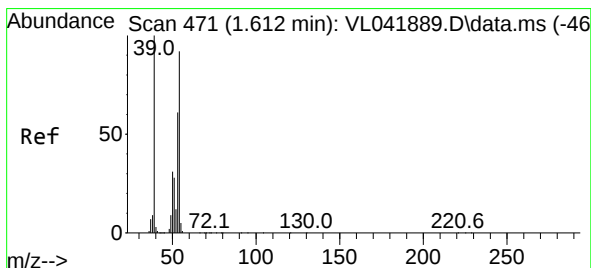
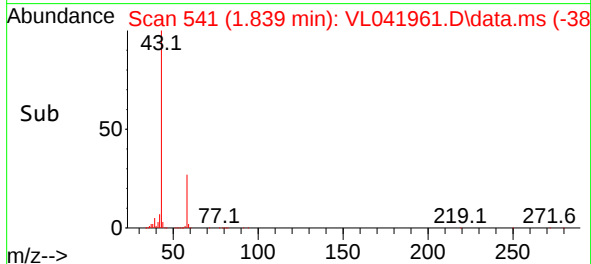
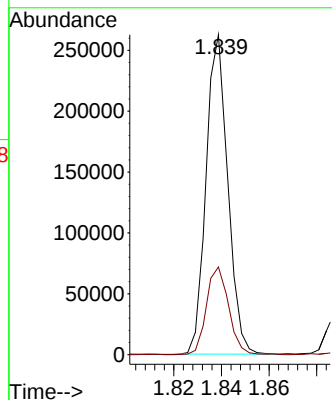
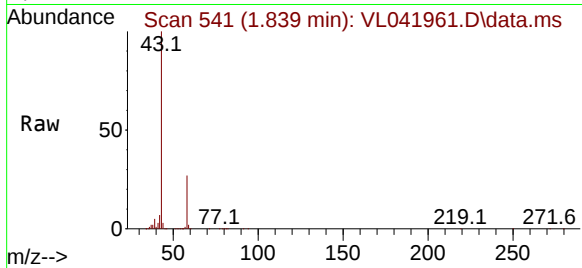




#15
Acetone
Concen: 9.033 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

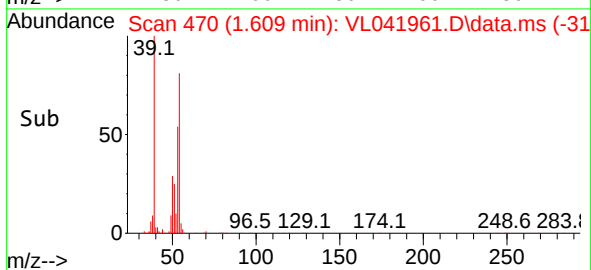
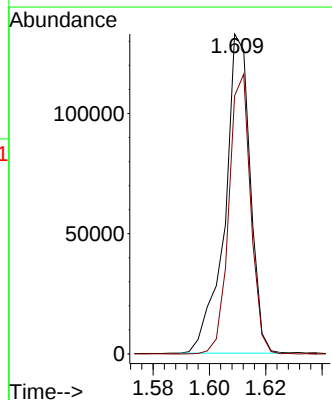
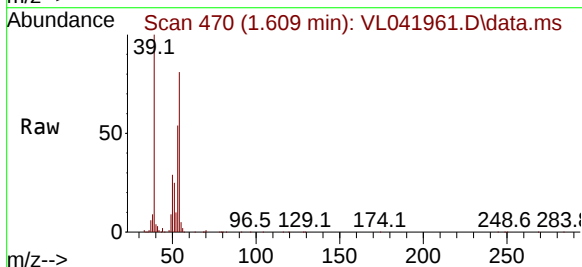
Instrument :
MSVOA_L
ClientSampleId :

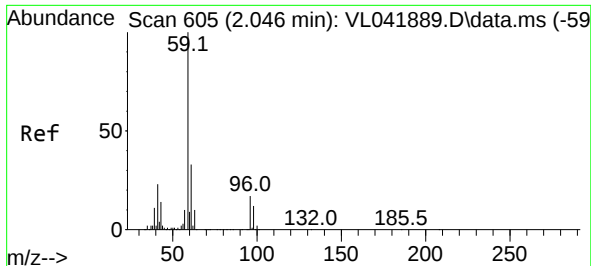
Tgt Ion: 43 Resp: 165826
Ion Ratio Lower Upper
43 100
58 28.2 21.9 32.9



#16
1,3-Butadiene
Concen: 10.093 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 39 Resp: 83163
Ion Ratio Lower Upper
39 100
54 75.4 61.6 92.4





#17

tert-Butyl alcohol

Concen: 8.797 ppbv

RT: 2.043 min Scan# 605

Delta R.T. -0.003 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

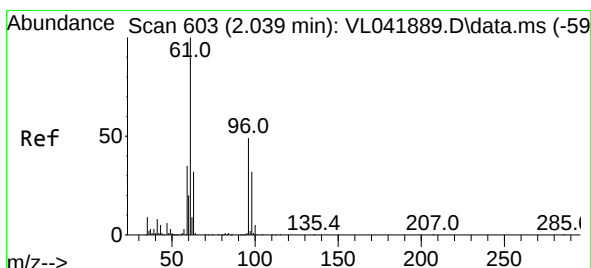
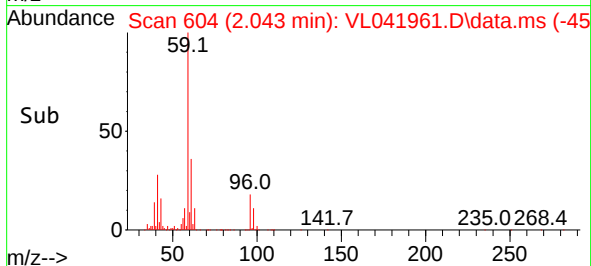
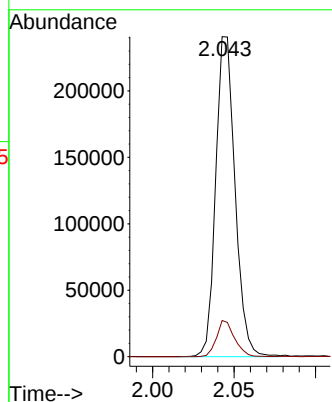
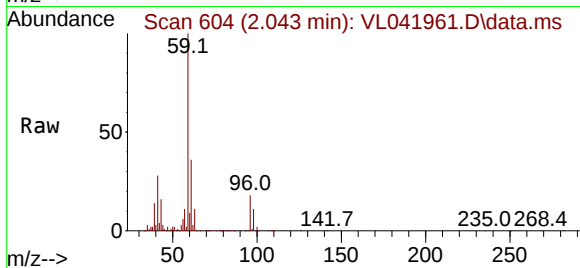
ClientSampleId :

Tgt Ion: 59 Resp: 198776

Ion Ratio Lower Upper

59 100

57 10.6 7.8 11.8



#18

1,1-Dichloroethene

Concen: 9.192 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.003 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

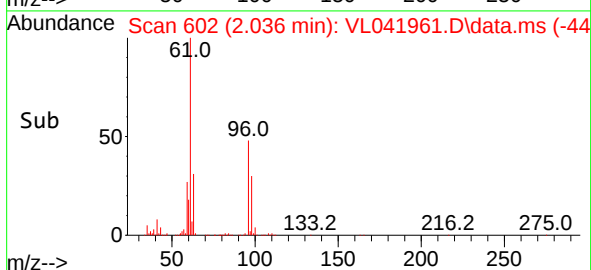
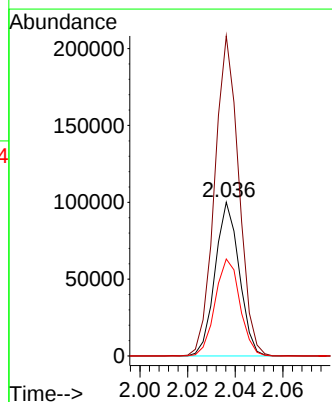
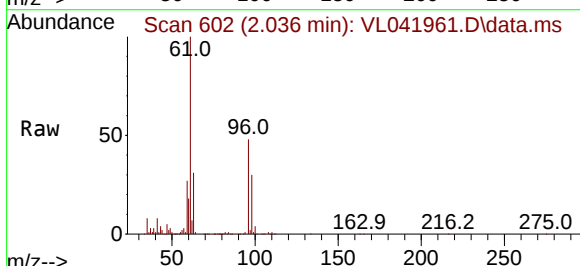
Tgt Ion: 96 Resp: 70323

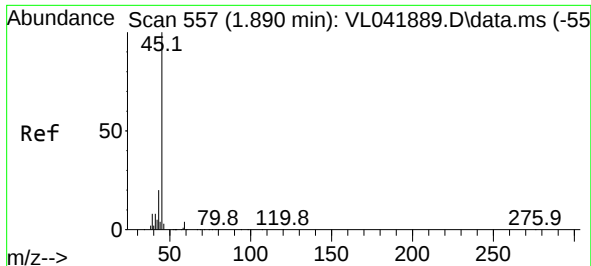
Ion Ratio Lower Upper

96 100

61 208.0 163.1 244.7

98 63.1 52.7 79.1





#19

Isopropyl Alcohol

Concen: 9.096 ppbv

RT: 1.891 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

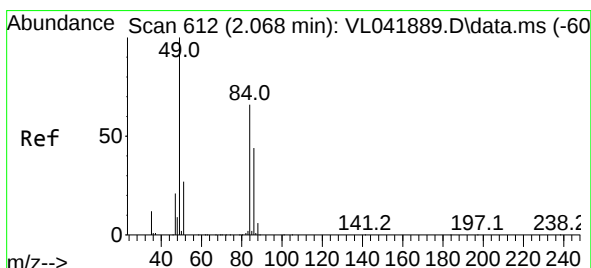
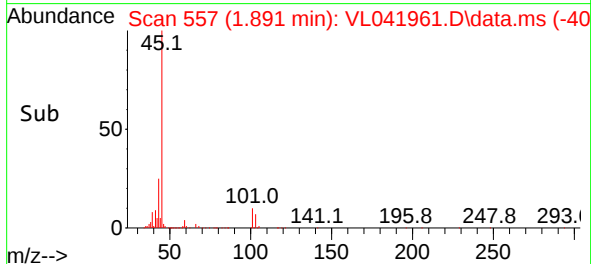
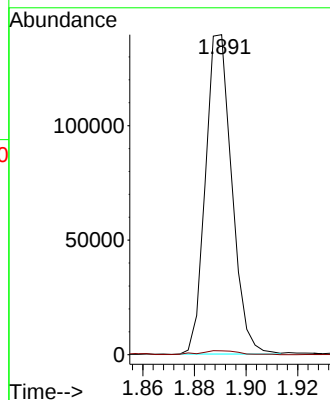
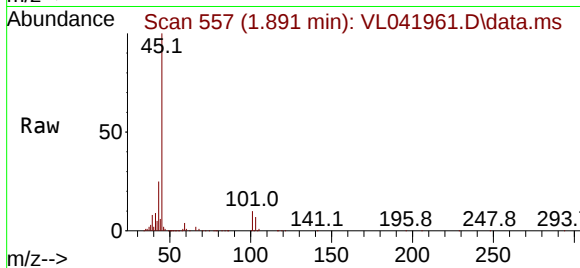
ClientSampleId :

Tgt Ion: 45 Resp: 99004

Ion Ratio Lower Upper

45 100

58 47.2 35.0 52.6



#20

Methylene Chloride

Concen: 8.584 ppbv

RT: 2.065 min Scan# 611

Delta R.T. -0.003 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Tgt Ion: 84 Resp: 62278

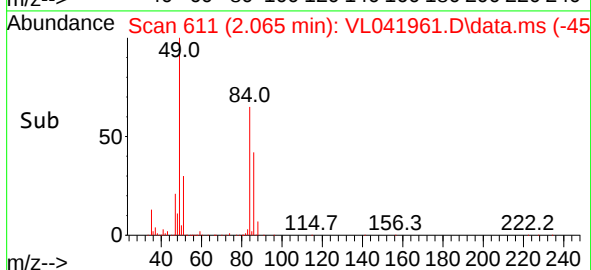
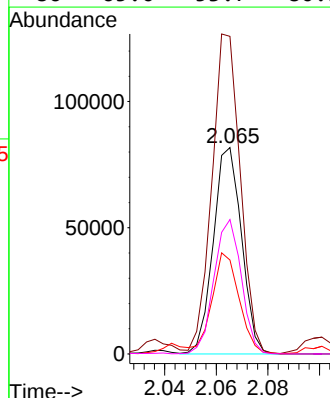
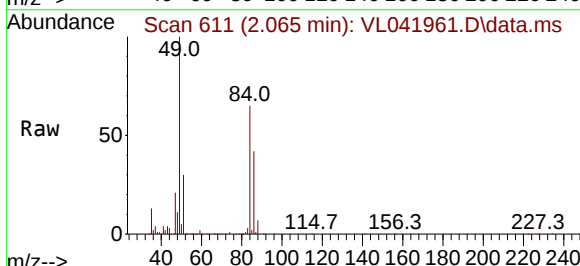
Ion Ratio Lower Upper

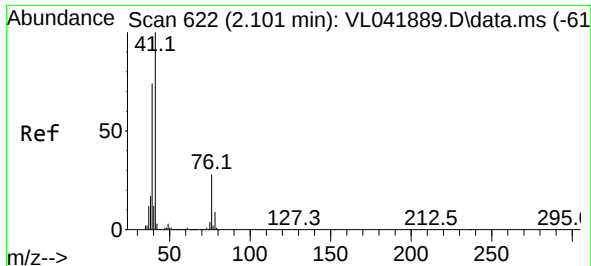
84 100

49 153.6 123.1 184.7

51 45.3 35.8 53.8

86 65.0 53.7 80.5

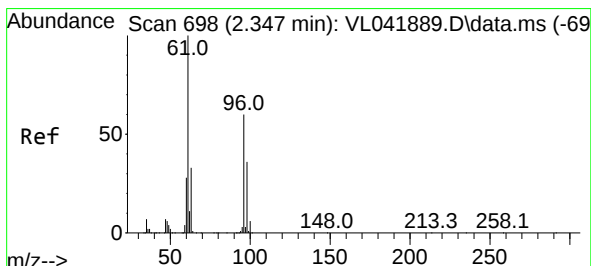
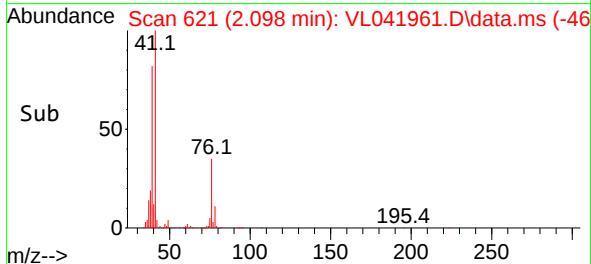
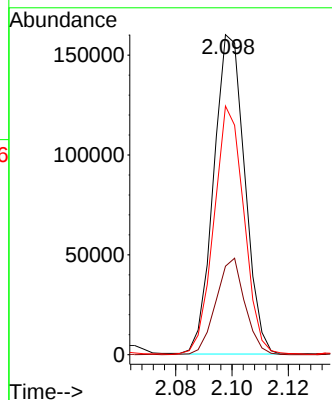
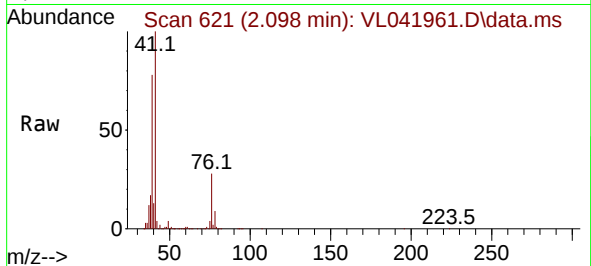




#21
 Allyl Chloride
 Concen: 9.664 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

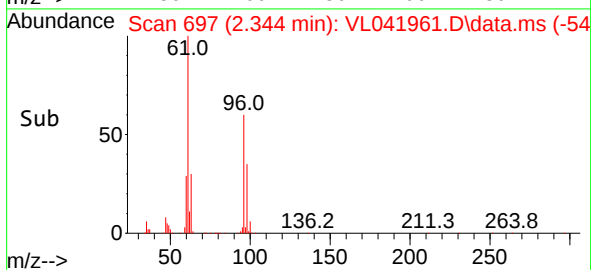
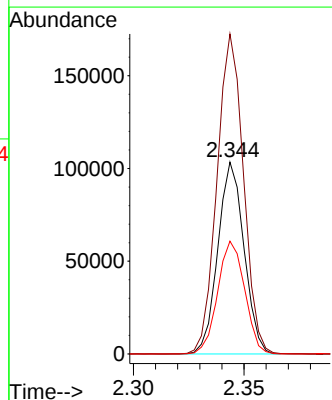
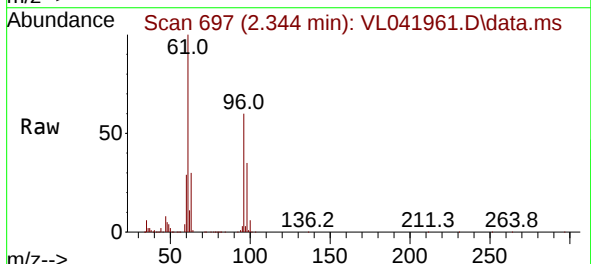
Instrument :
 MSVOA_L
 ClientSampleId :

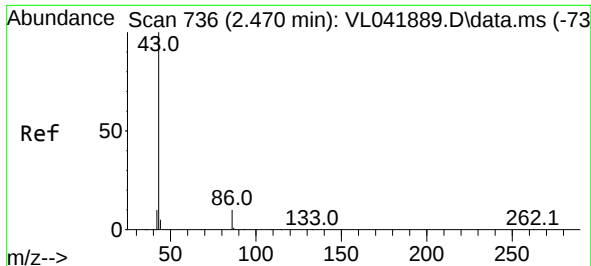
Tgt Ion: 41 Resp: 122853
 Ion Ratio Lower Upper
 41 100
 76 28.2 24.2 36.4
 39 74.9 60.6 91.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.855 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.003 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

Tgt Ion: 96 Resp: 85089
 Ion Ratio Lower Upper
 96 100
 61 166.7 134.5 201.7
 98 58.8 48.9 73.3

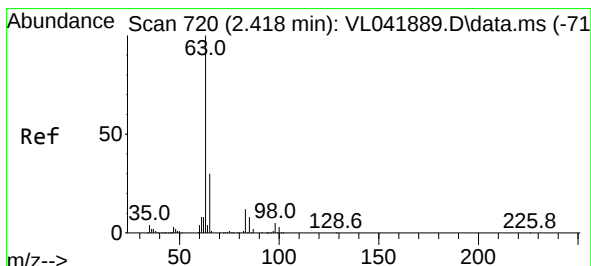
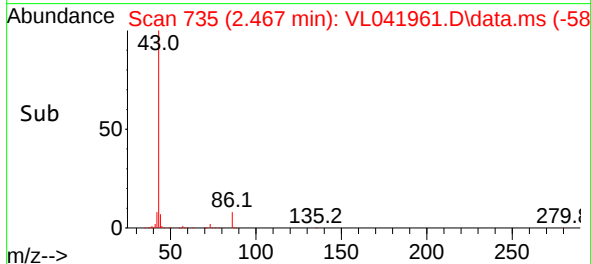
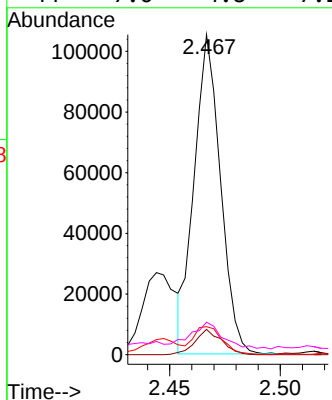
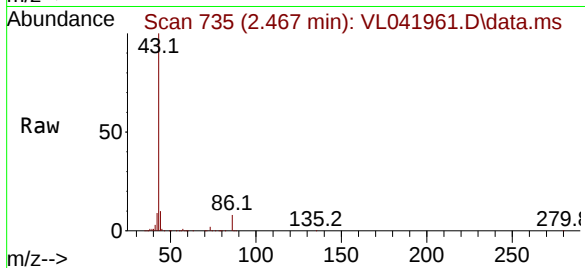




#23
 Vinyl Acetate
 Concen: 9.552 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. -0.003 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

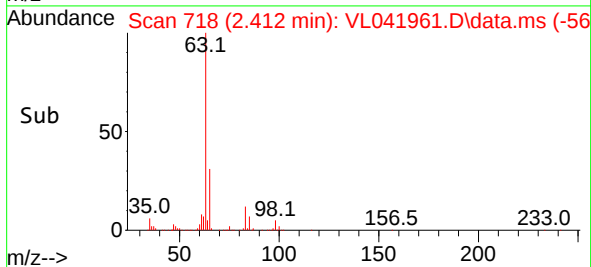
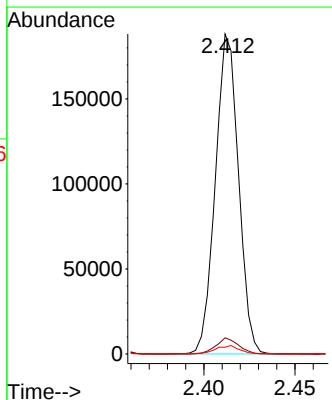
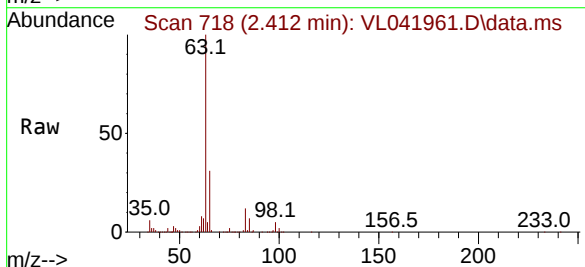
Instrument :
 MSVOA_L
 ClientSampleId :

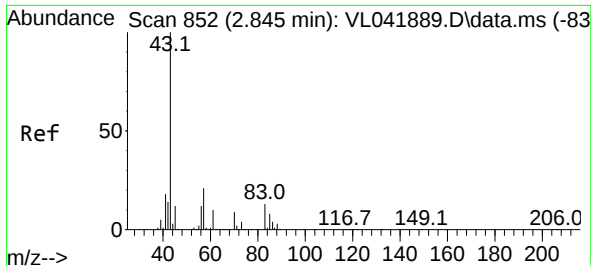
Tgt Ion:	43	Resp:	86919
Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.4
42	8.3	8.5	12.7#
44	7.6	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 9.942 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.006 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

Tgt Ion:	63	Resp:	166034
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.6	7.8
100	2.1	1.4	4.2

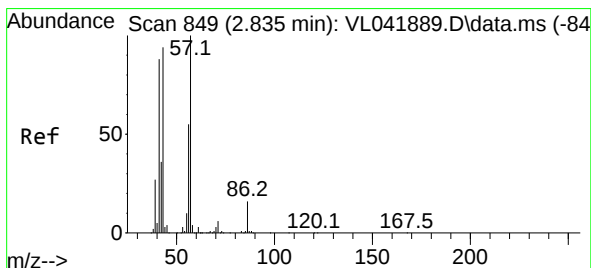
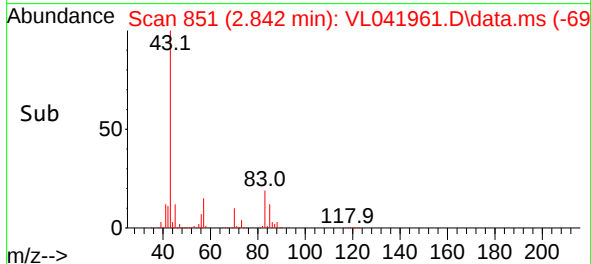
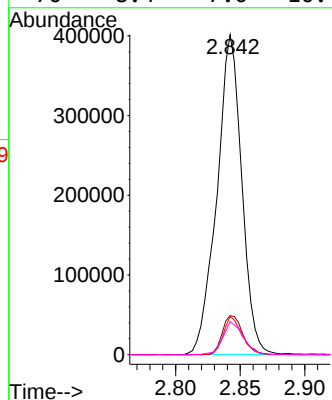
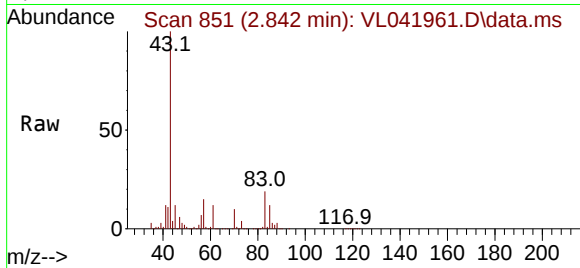




#25
Ethyl Acetate
Concen: 10.831 ppbv
RT: 2.842 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

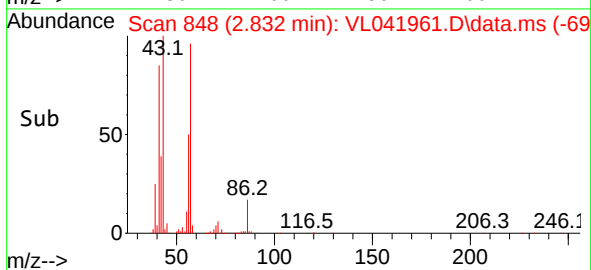
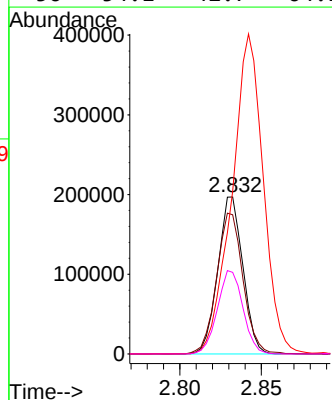
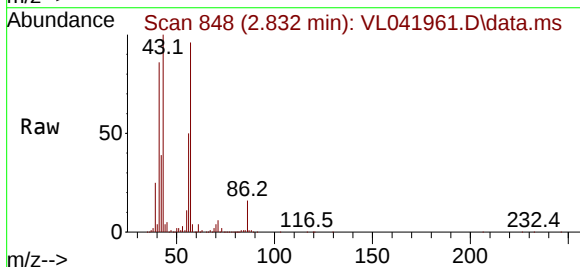
Instrument :
MSVOA_L
ClientSampleId :

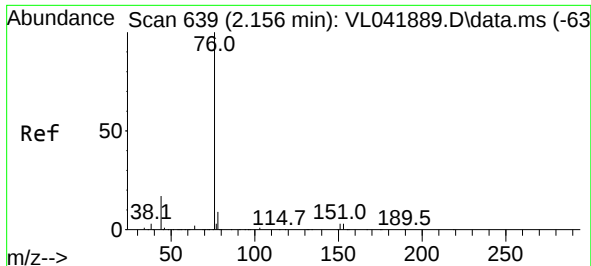
Tgt Ion: 43 Resp: 536156
Ion Ratio Lower Upper
43 100
45 10.2 8.2 12.2
61 9.1 7.4 11.0
70 8.4 7.0 10.4



#26
Hexane
Concen: 10.728 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 57 Resp: 210051
Ion Ratio Lower Upper
57 100
41 94.9 73.8 110.8
43 257.0 197.3 295.9
56 54.1 42.7 64.1

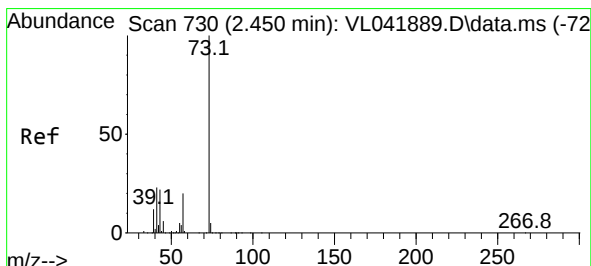
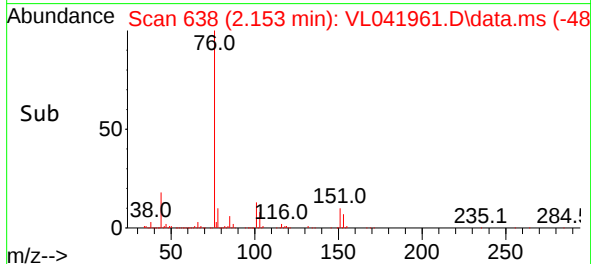
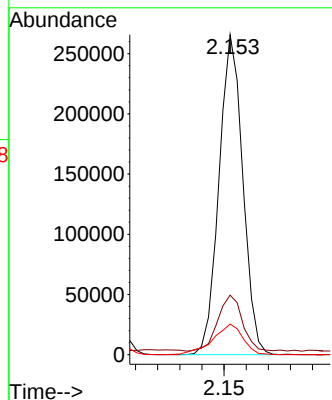
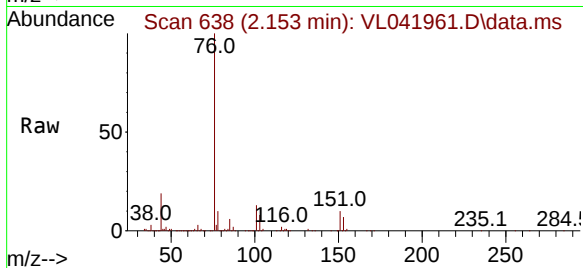




#27
Carbon Disulfide
Concen: 10.242 ppbv
RT: 2.153 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

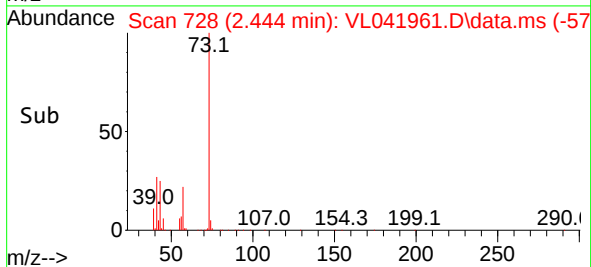
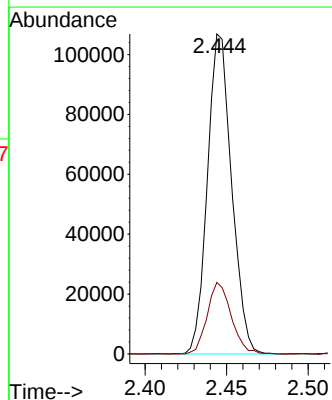
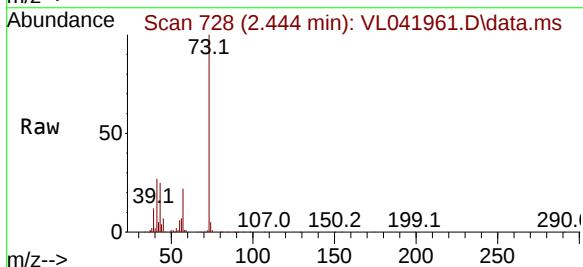
Instrument :
MSVOA_L
ClientSampleId :

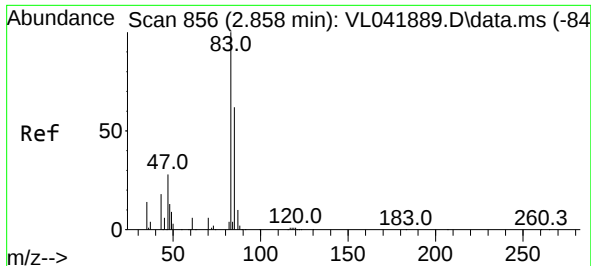
Tgt Ion: 76 Resp: 198444
Ion Ratio Lower Upper
76 100
44 18.9 15.4 23.0
78 12.0 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 7.364 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.006 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 73 Resp: 110198
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1





#29

Chloroform

Concen: 10.532 ppbv

RT: 2.855 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

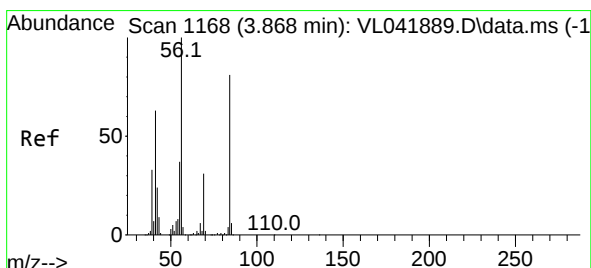
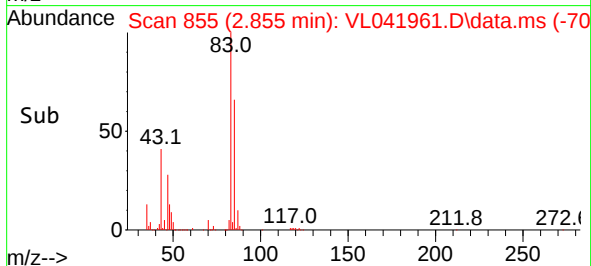
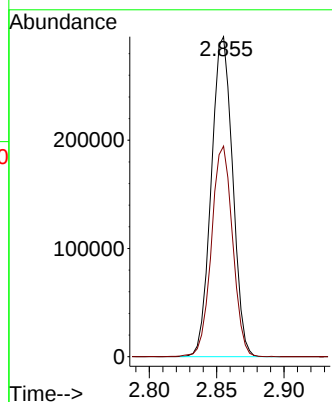
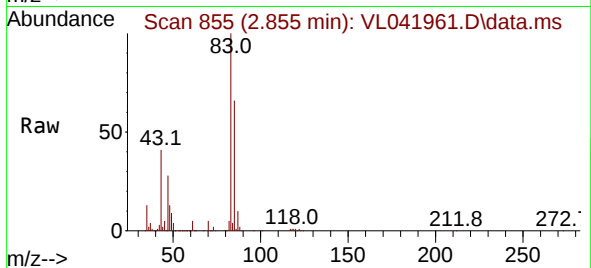
ClientSampleId :

Tgt Ion: 83 Resp: 325966

Ion Ratio Lower Upper

83 100

85 65.8 50.1 75.1



#30

Cyclohexane

Concen: 10.236 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

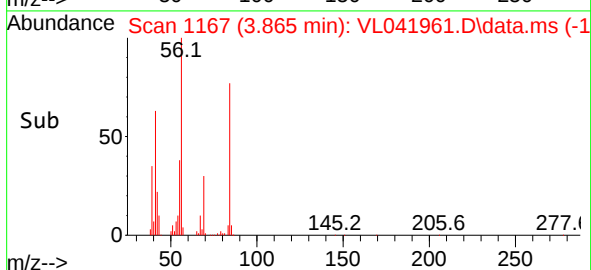
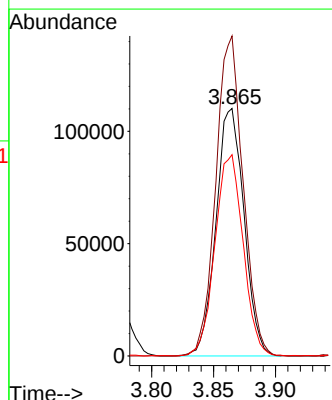
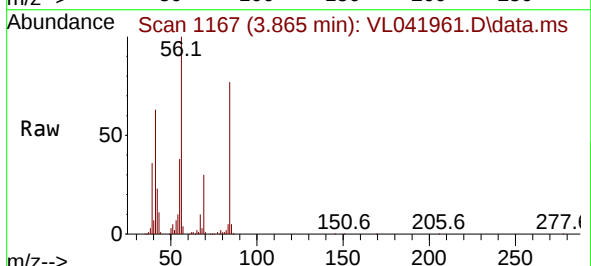
Tgt Ion: 84 Resp: 173840

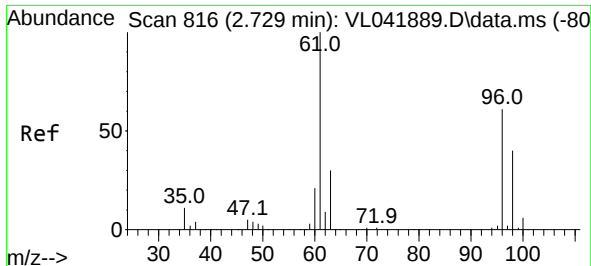
Ion Ratio Lower Upper

84 100

56 125.9 99.3 148.9

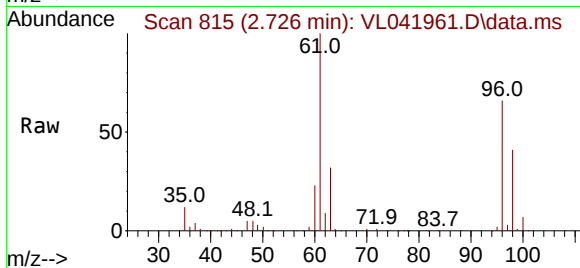
41 81.8 64.3 96.5



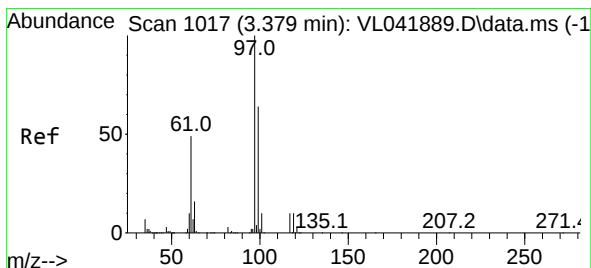
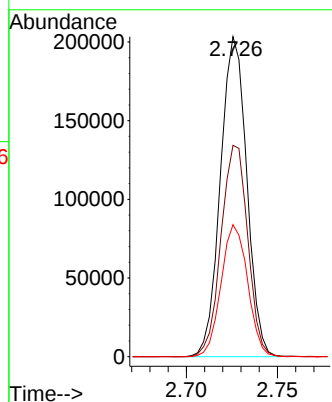
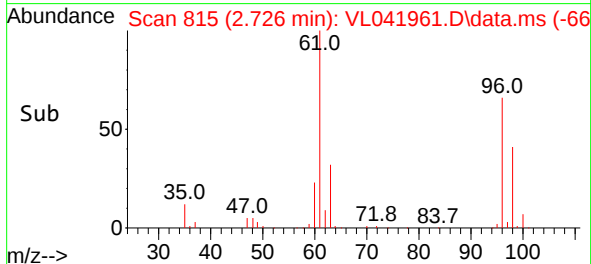


#31
 cis-1,2-Dichloroethene
 Concen: 9.925 ppbv
 RT: 2.726 min Scan# 816
 Delta R.T. -0.003 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

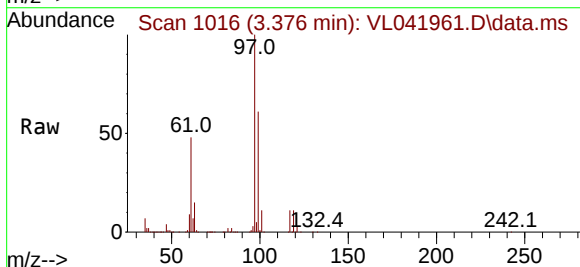
Instrument :
 MSVOA_L
 ClientSampleId :



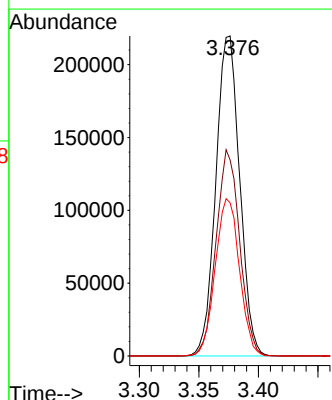
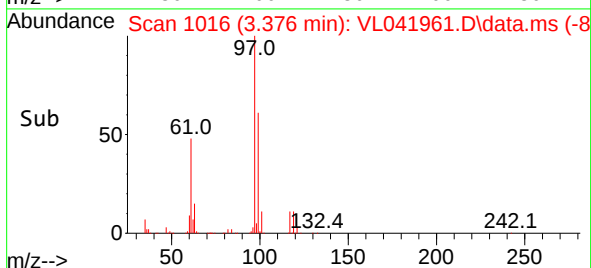
Tgt Ion: 61 Resp: 204611
 Ion Ratio Lower Upper
 61 100
 96 66.0 48.7 73.1
 98 41.2 31.6 47.4

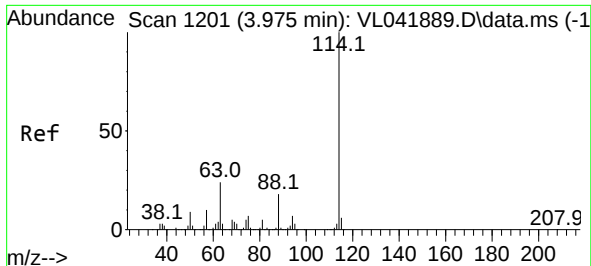


#32
 1,1,1-Trichloroethane
 Concen: 10.320 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. -0.003 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57



Tgt Ion: 97 Resp: 305623
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.1 76.7
 61 50.0 39.0 58.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.010 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

ClientSampleId :

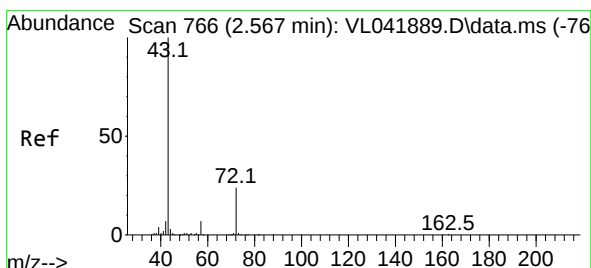
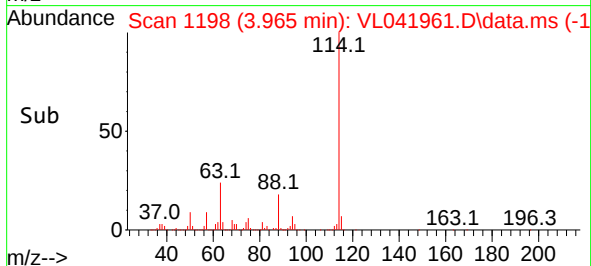
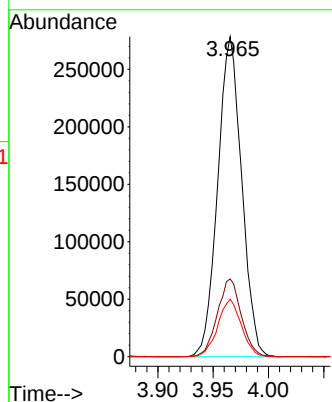
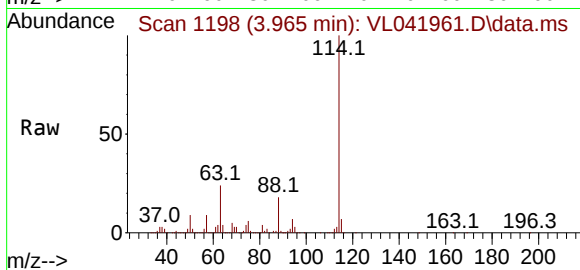
Tgt Ion:114 Resp: 418895

Ion Ratio Lower Upper

114 100

63 24.3 19.8 29.6

88 17.6 14.4 21.6



#34

2-Butanone

Concen: 11.344 ppbv

RT: 2.564 min Scan# 765

Delta R.T. -0.003 min

Lab File: VL041961.D

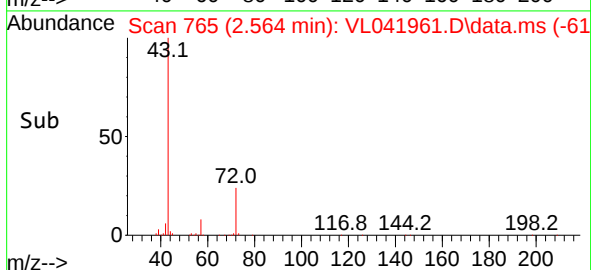
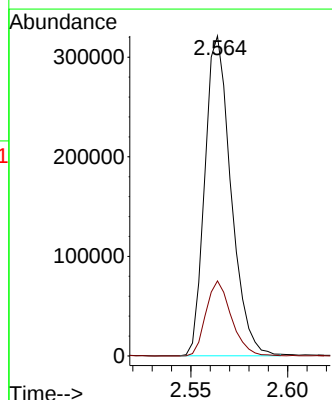
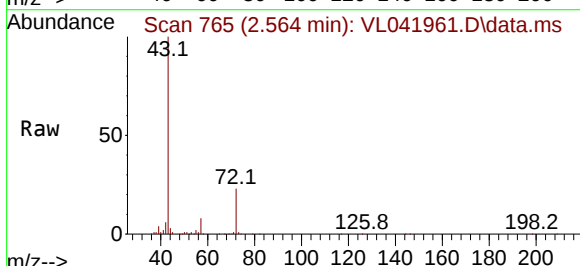
Acq: 03 Feb 2025 12:57

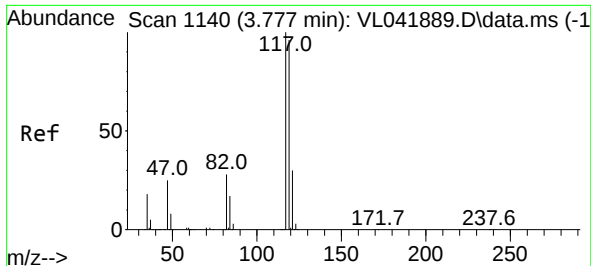
Tgt Ion: 43 Resp: 302190

Ion Ratio Lower Upper

43 100

72 22.9 18.6 28.0

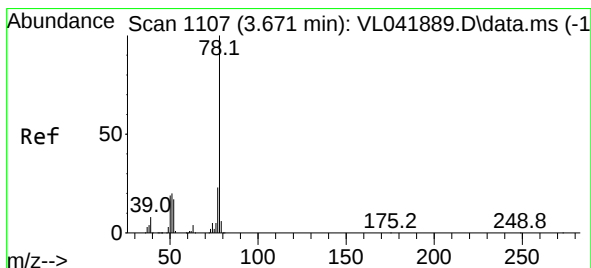
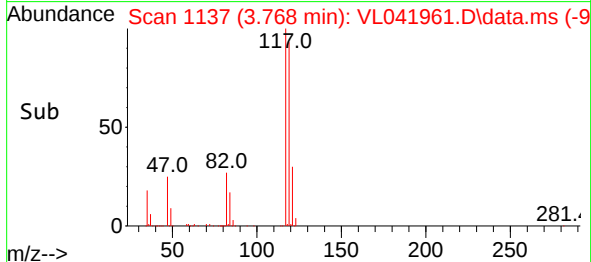
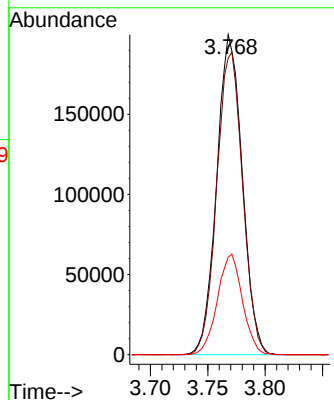
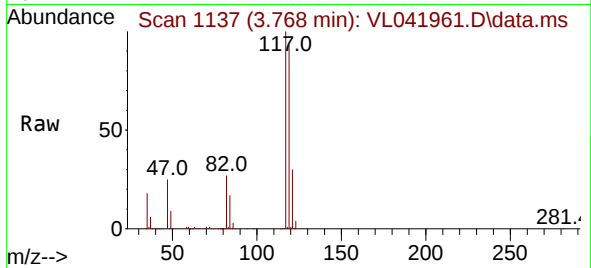




#35
Carbon Tetrachloride
Concen: 11.778 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.010 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

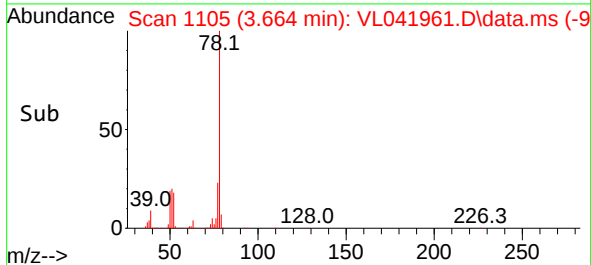
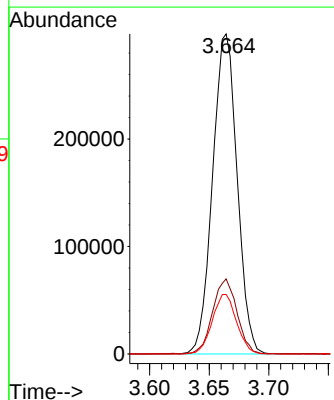
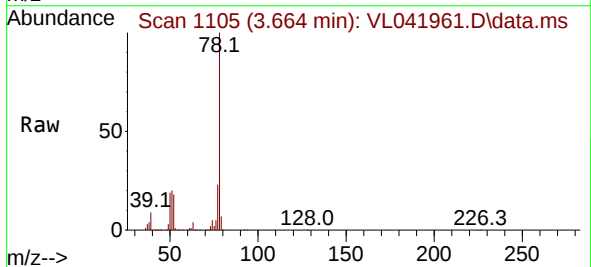
Instrument :
MSVOA_L
ClientSampleId :

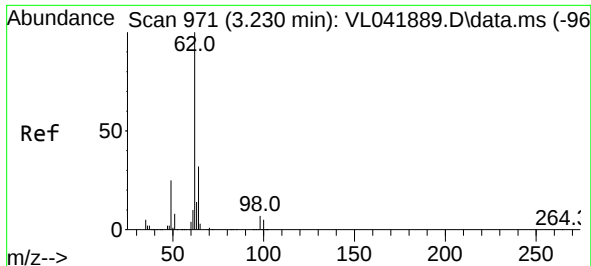
Tgt Ion:117 Resp: 309917
Ion Ratio Lower Upper
117 100
119 92.7 76.9 115.3
121 30.5 23.8 35.6



#36
Benzene
Concen: 11.094 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 78 Resp: 426241
Ion Ratio Lower Upper
78 100
77 23.4 18.1 27.1
50 18.6 15.2 22.8

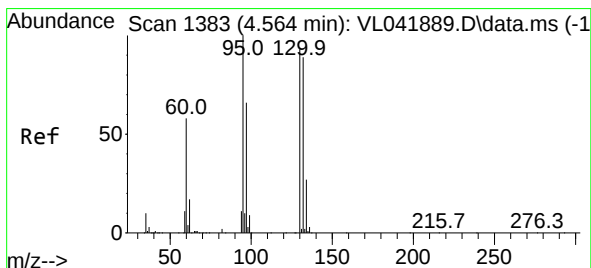
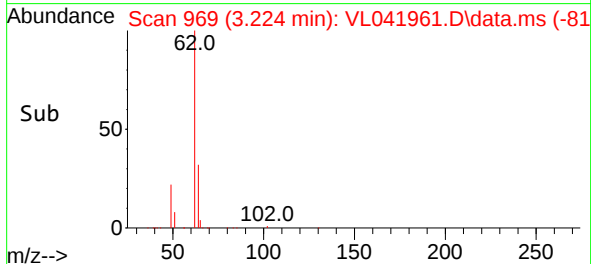
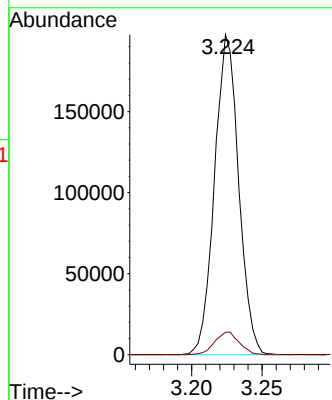
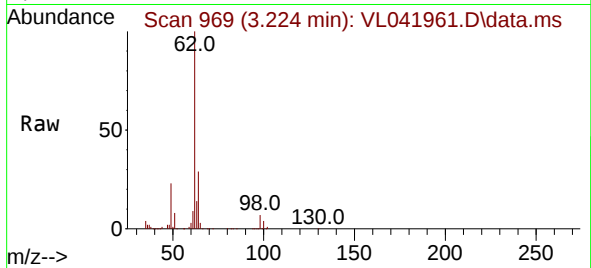




#37
1,2-Dichloroethane
Concen: 10.920 ppbv
RT: 3.224 min Scan# 971
Delta R.T. -0.006 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

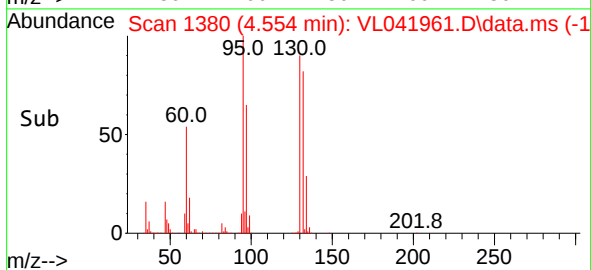
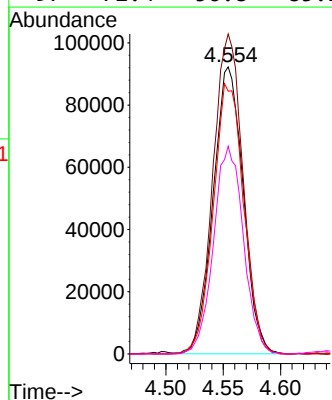
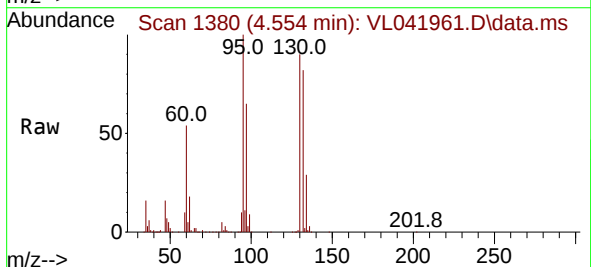
Instrument :
MSVOA_L
ClientSampleId :

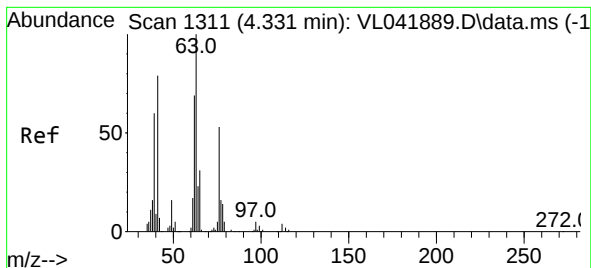
Tgt Ion: 62 Resp: 235620
Ion Ratio Lower Upper
62 100
98 7.2 5.4 8.0



#38
Trichloroethene
Concen: 10.995 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.010 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion:130 Resp: 167629
Ion Ratio Lower Upper
130 100
95 111.2 85.8 128.8
132 91.3 76.5 114.7
97 72.4 56.8 85.2





#39

1,2-Dichloropropane

Concen: 11.221 ppbv

RT: 4.318 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

ClientSampleId :

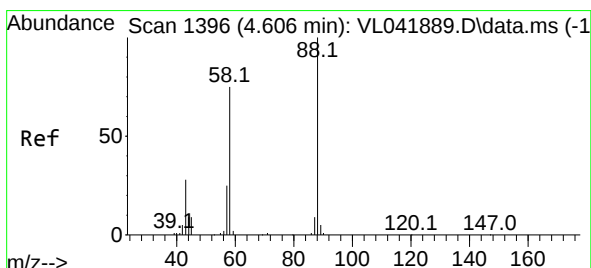
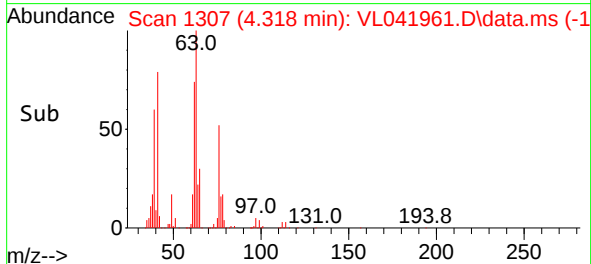
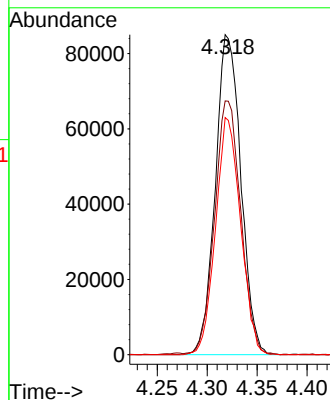
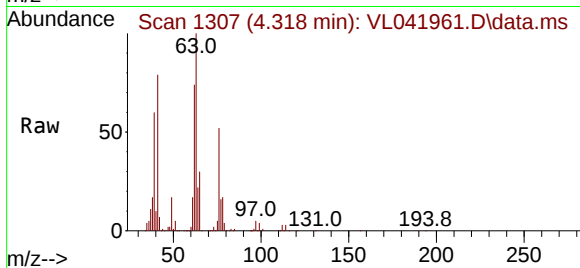
Tgt Ion: 63 Resp: 151232

Ion Ratio Lower Upper

63 100

41 79.3 63.7 95.5

62 74.1 55.4 83.2



#40

1,4-Dioxane

Concen: 10.876 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. -0.016 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Tgt Ion: 88 Resp: 74021

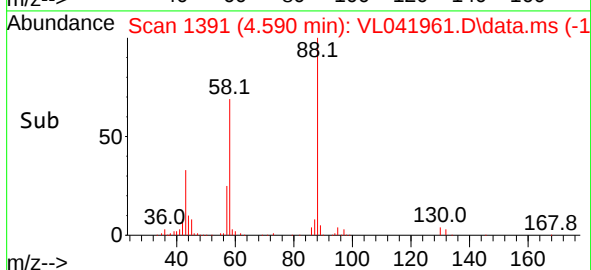
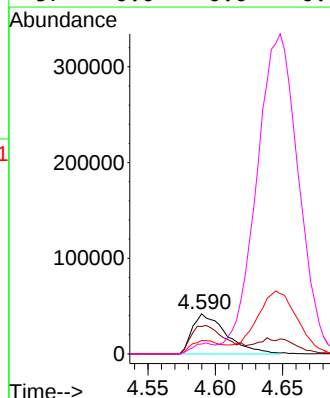
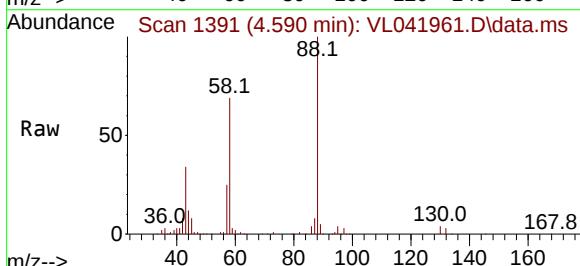
Ion Ratio Lower Upper

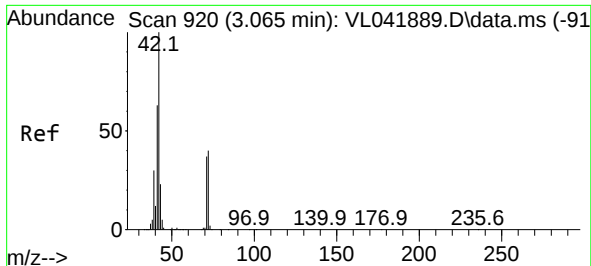
88 100

58 78.0 62.1 93.1

43 29.9 0.0 0.0#

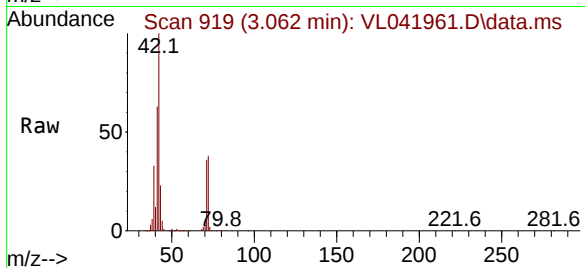
57 0.0 0.0 0.0



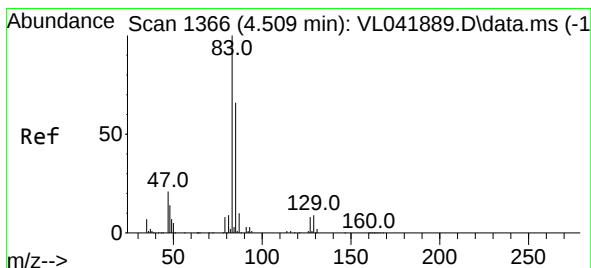
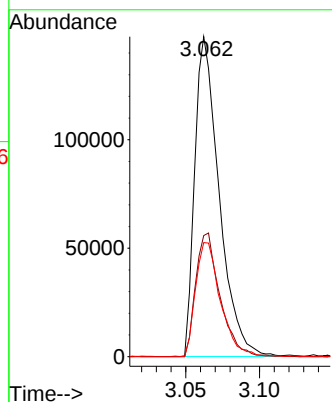
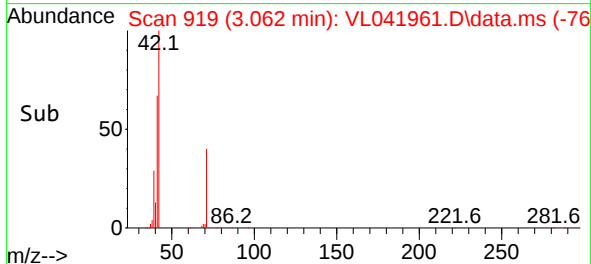


#41
Tetrahydrofuran
Concen: 11.728 ppbv
RT: 3.062 min Scan# 919
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

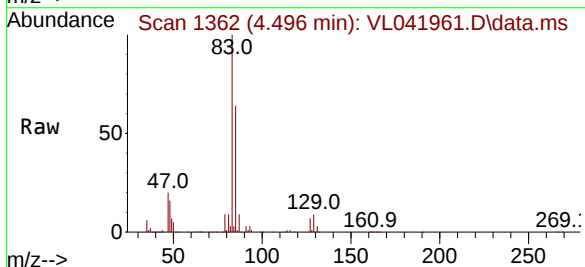
Instrument :
MSVOA_L
ClientSampleId :



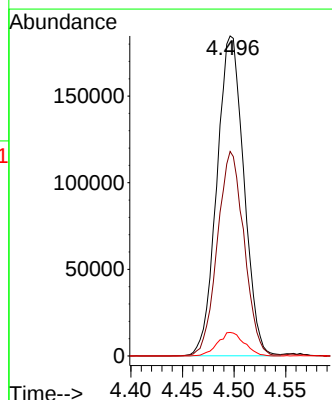
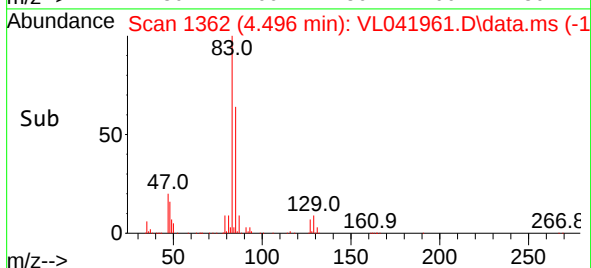
Tgt Ion: 42 Resp: 169798
Ion Ratio Lower Upper
42 100
72 38.4 32.3 48.5
71 36.5 29.9 44.9

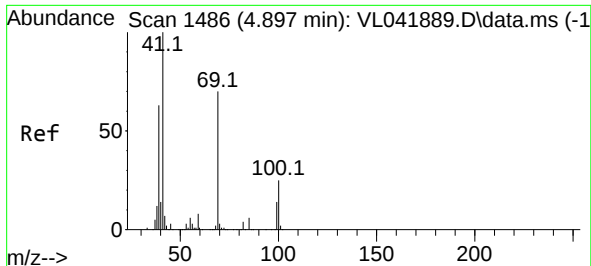


#42
Bromodichloromethane
Concen: 11.600 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.013 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57



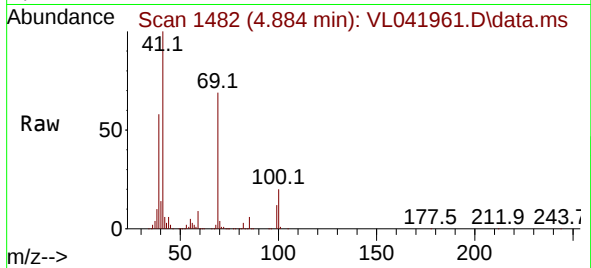
Tgt Ion: 83 Resp: 335595
Ion Ratio Lower Upper
83 100
85 63.9 52.6 78.8
127 7.4 6.4 9.6





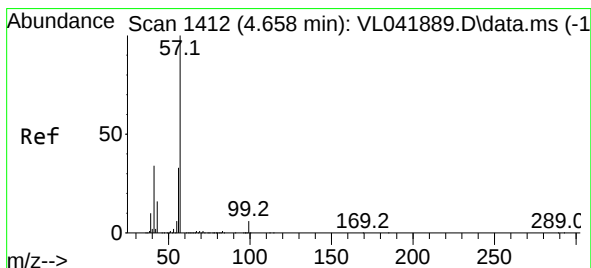
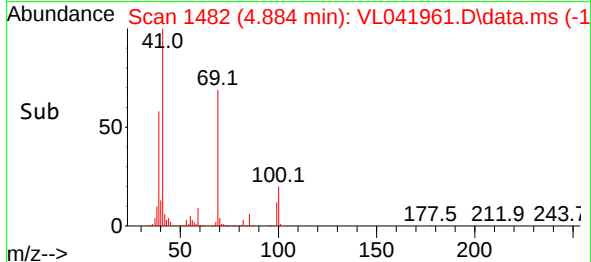
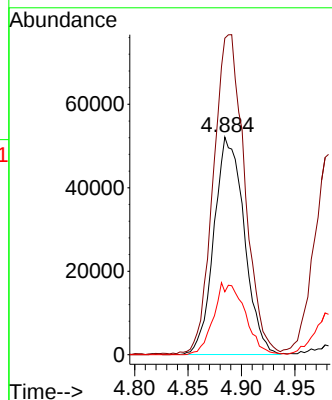
#43
Methyl Methacrylate
Concen: 7.197 ppbv
RT: 4.884 min Scan# 1482
Delta R.T. -0.013 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 69 Resp: 102724

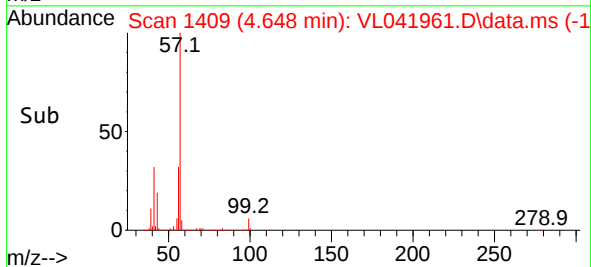
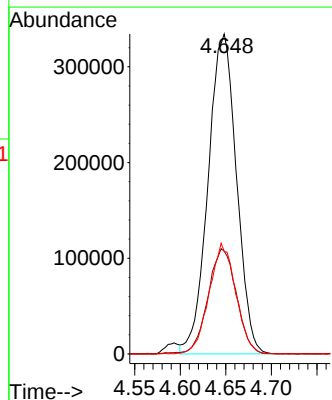
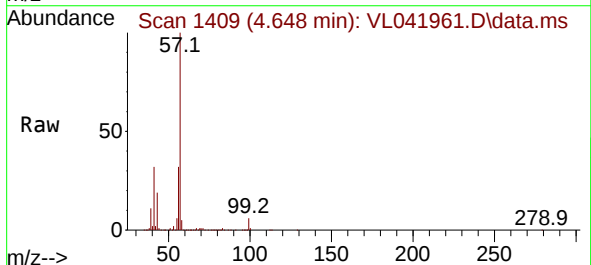
Ion	Ratio	Lower	Upper
69	100		
41	152.7	118.6	177.8
100	34.1	29.3	43.9

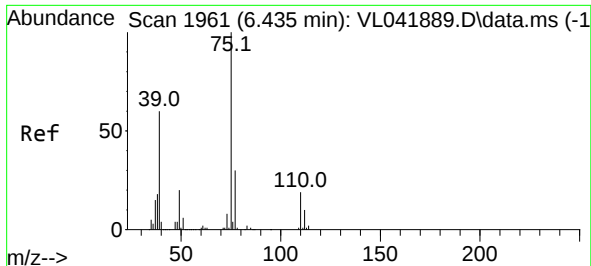


#44
2,2,4-Trimethylpentane
Concen: 11.670 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. -0.010 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 57 Resp: 725196

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.6	40.0
56	32.6	25.4	38.2

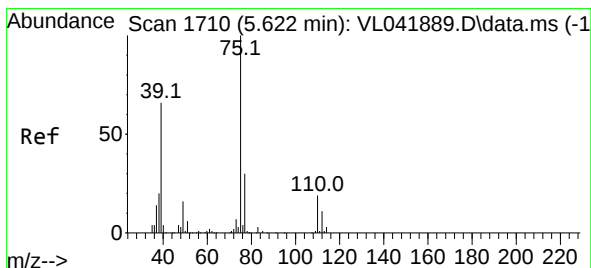
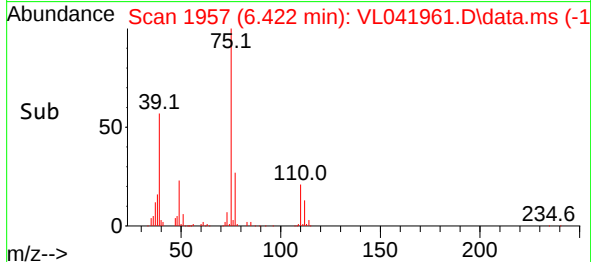
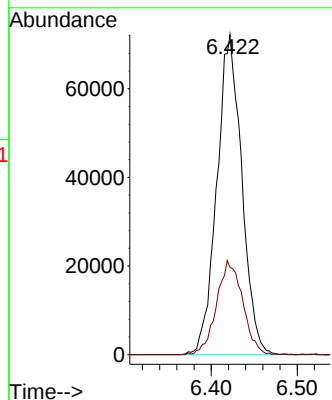
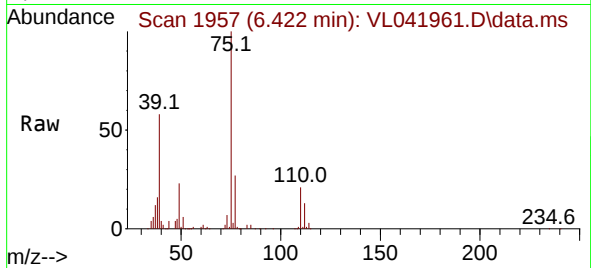




#45
 t-1,3-Dichloropropene
 Concen: 10.886 ppbv
 RT: 6.422 min Scan# 1961
 Delta R.T. -0.013 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

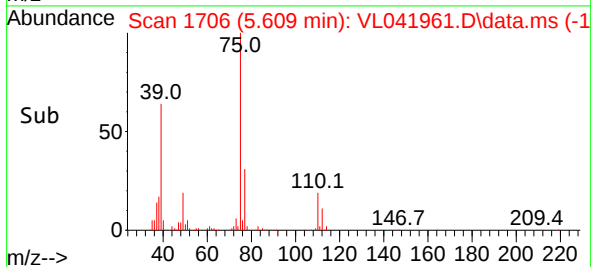
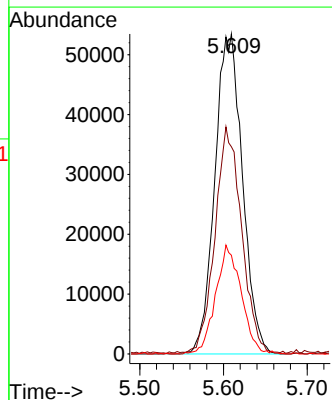
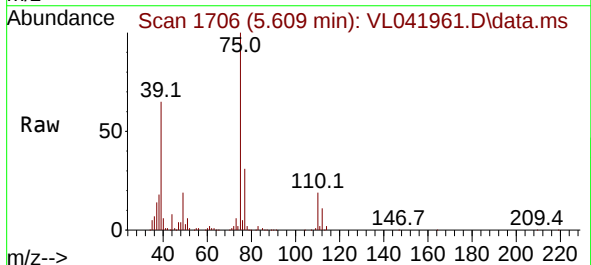
Instrument :
 MSVOA_L
 ClientSampleId :

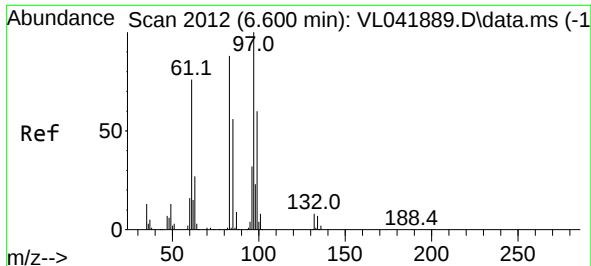
Tgt Ion: 75 Resp: 145441
 Ion Ratio Lower Upper
 75 100
 77 27.3 24.3 36.5



#46
 cis-1,3-Dichloropropene
 Concen: 6.985 ppbv
 RT: 5.609 min Scan# 1706
 Delta R.T. -0.013 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

Tgt Ion: 75 Resp: 122518
 Ion Ratio Lower Upper
 75 100
 39 64.4 53.1 79.7
 77 30.9 23.8 35.8





#47

1,1,2-Trichloroethane

Concen: 11.694 ppbv

RT: 6.590 min Scan# 2012

Delta R.T. -0.010 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 167038

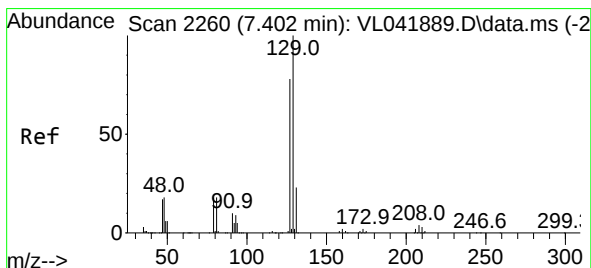
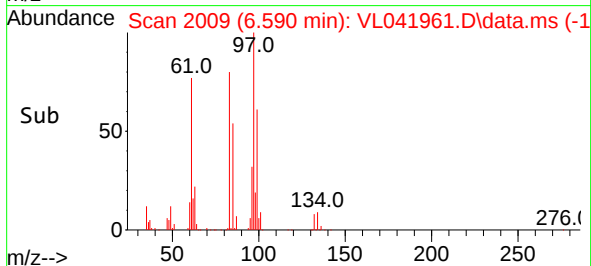
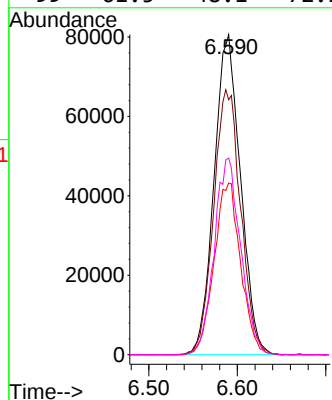
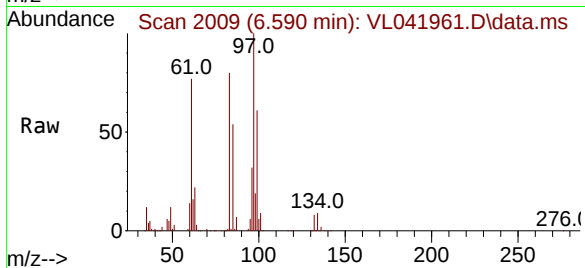
Ion Ratio Lower Upper

97 100

83 79.6 70.4 105.6

85 53.6 45.0 67.4

99 61.5 48.1 72.1



#48

Dibromochloromethane

Concen: 11.803 ppbv

RT: 7.390 min Scan# 2256

Delta R.T. -0.013 min

Lab File: VL041961.D

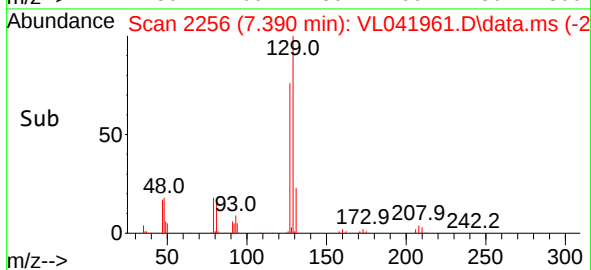
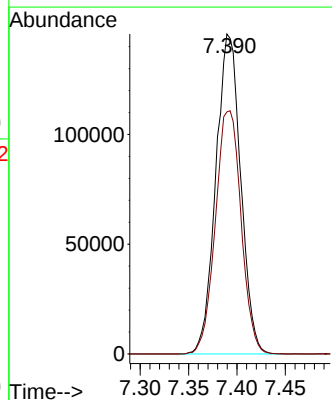
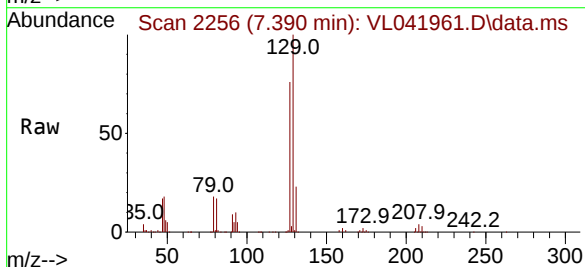
Acq: 03 Feb 2025 12:57

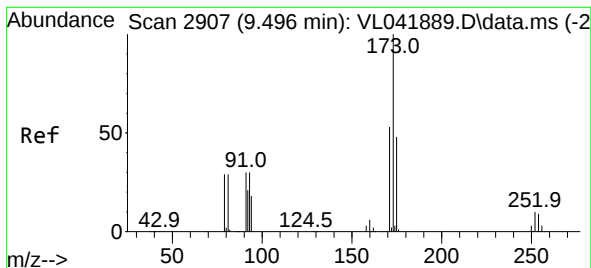
Tgt Ion: 129 Resp: 260120

Ion Ratio Lower Upper

129 100

127 78.7 39.3 117.8





#49

Bromoform

Concen: 11.991 ppbv

RT: 9.487 min Scan# 2907

Delta R.T. -0.010 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

ClientSampleId :

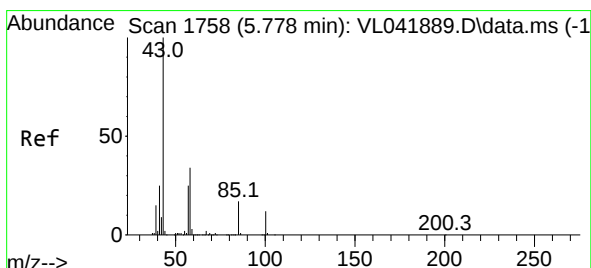
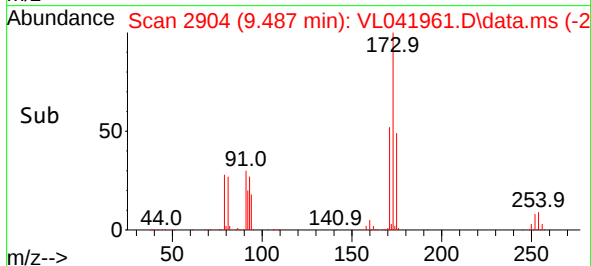
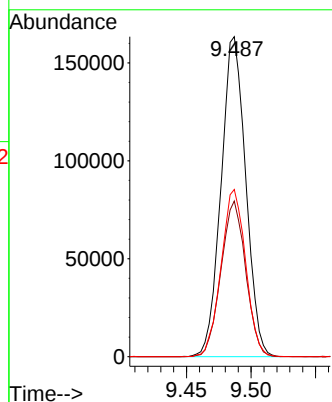
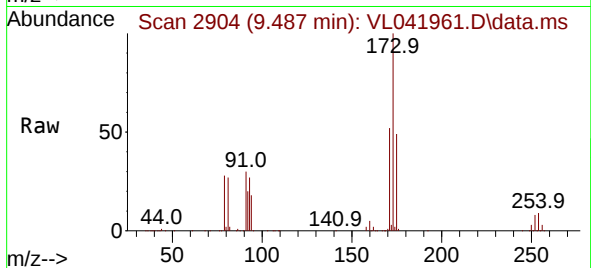
Tgt Ion:173 Resp: 217089

Ion Ratio Lower Upper

173 100

175 48.7 38.4 57.6

171 52.1 41.4 62.2



#50

4-Methyl-2-Pentanone

Concen: 7.350 ppbv

RT: 5.765 min Scan# 1754

Delta R.T. -0.013 min

Lab File: VL041961.D

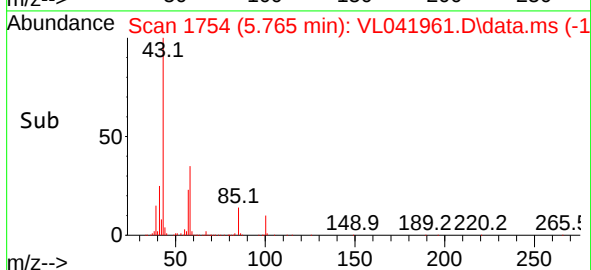
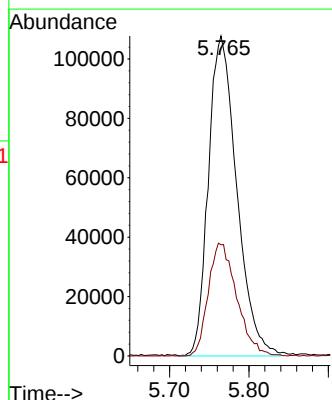
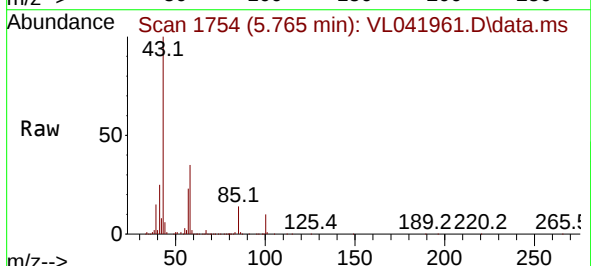
Acq: 03 Feb 2025 12:57

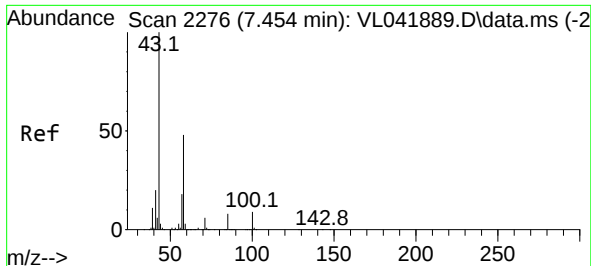
Tgt Ion: 43 Resp: 267280

Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.6

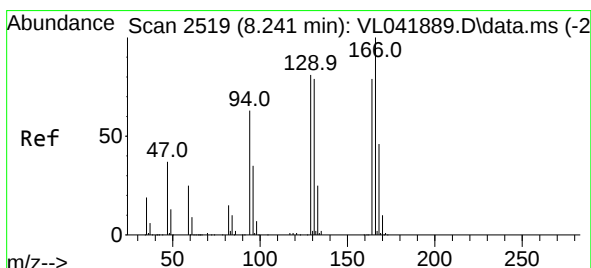
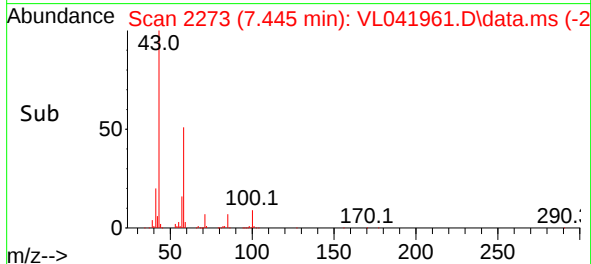
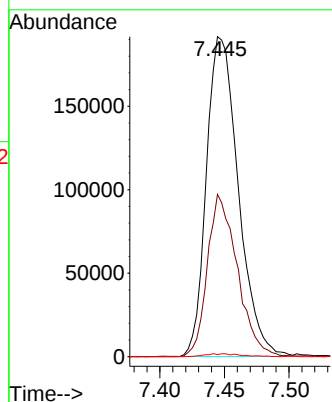
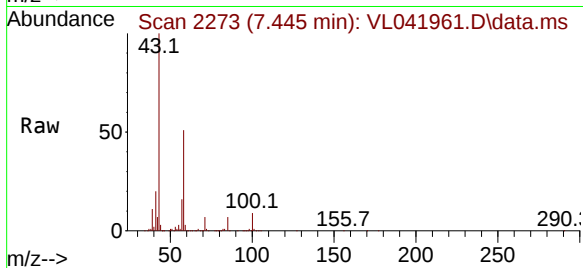




#51
2-Hexanone
Concen: 11.767 ppbv
RT: 7.445 min Scan# 211
Delta R.T. -0.010 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

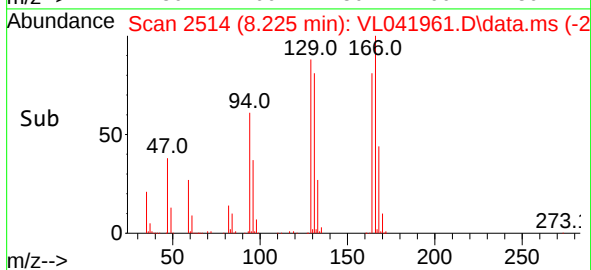
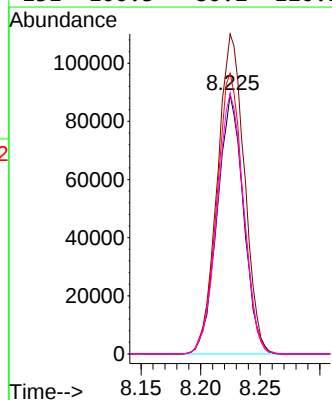
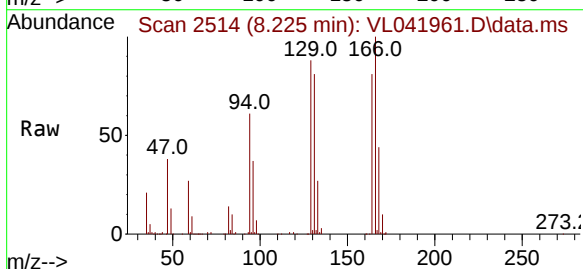
Instrument :
MSVOA_L
ClientSampleId :

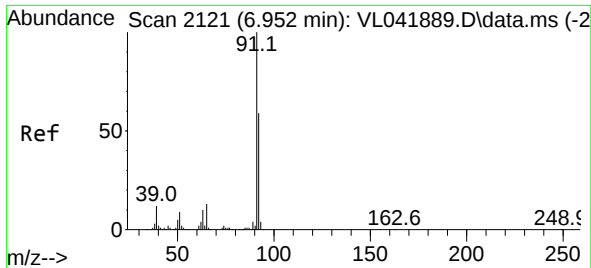
Tgt Ion: 43 Resp: 328817
Ion Ratio Lower Upper
43 100
58 47.9 40.4 60.6
98 1.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.220 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.016 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion:164 Resp: 136143
Ion Ratio Lower Upper
164 100
166 123.3 100.8 151.2
129 108.2 82.0 123.0
131 100.3 80.2 120.2

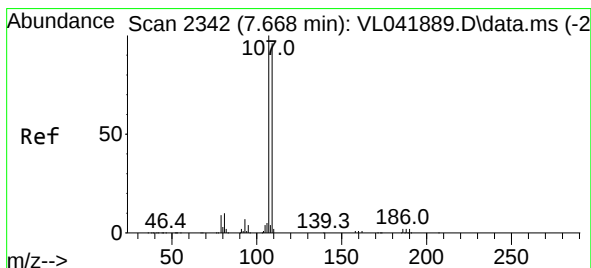
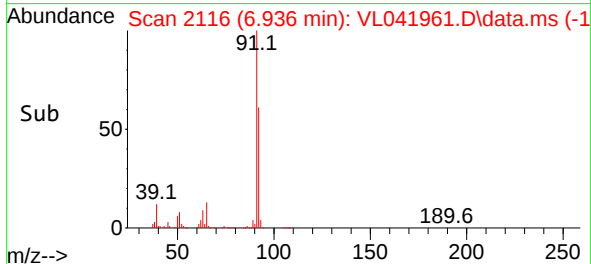
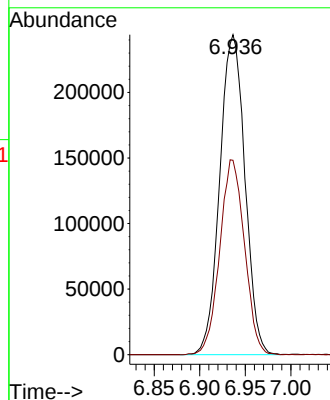
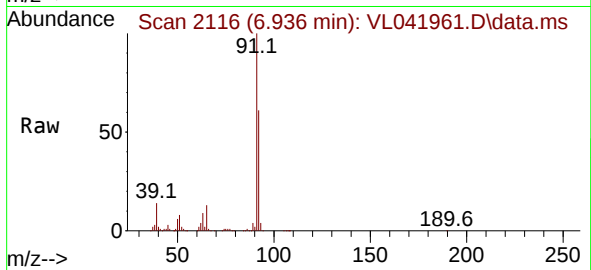




#53
Toluene
Concen: 11.207 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. -0.016 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

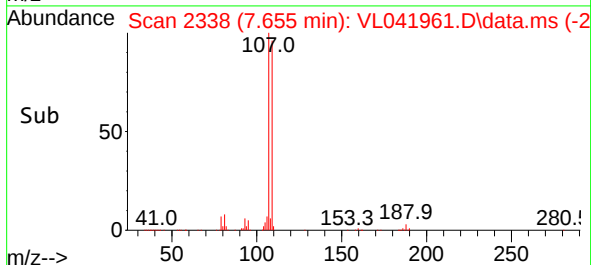
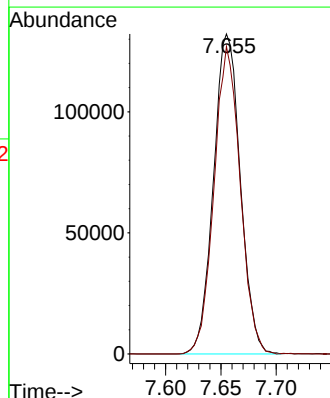
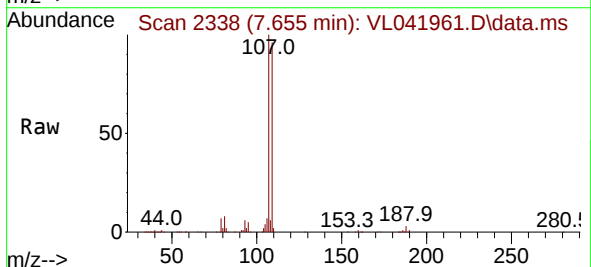
Instrument :
MSVOA_L
ClientSampleId :

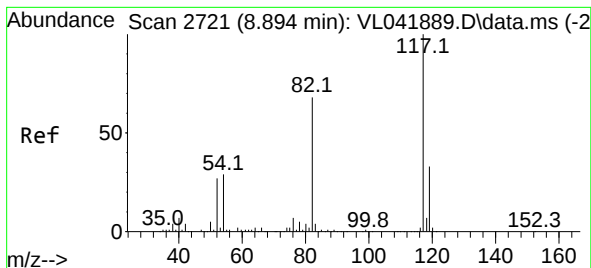
Tgt Ion: 91 Resp: 469033
Ion Ratio Lower Upper
91 100
92 59.9 47.4 71.0



#54
1,2-Dibromoethane
Concen: 11.356 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.013 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 107 Resp: 222983
Ion Ratio Lower Upper
107 100
109 96.0 76.7 115.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. -0.013 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

ClientSampleId :

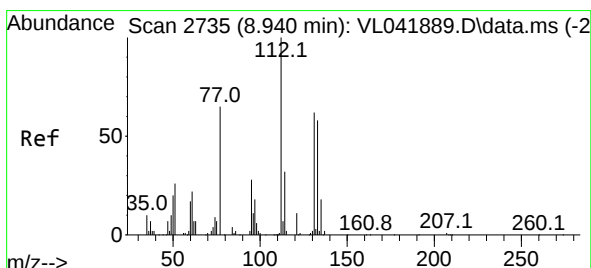
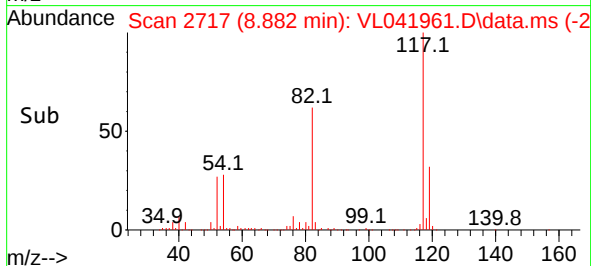
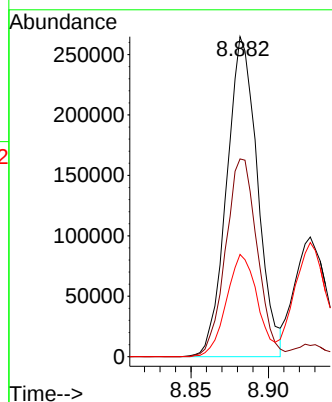
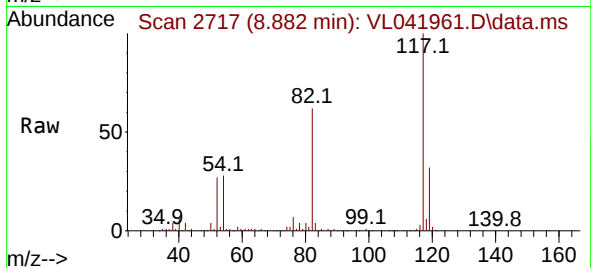
Tgt Ion:117 Resp: 367437

Ion Ratio Lower Upper

117 100

82 67.1 54.2 81.4

119 32.9 25.0 37.6



#56

1,1,1,2-Tetrachloroethane

Concen: 11.715 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. -0.013 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

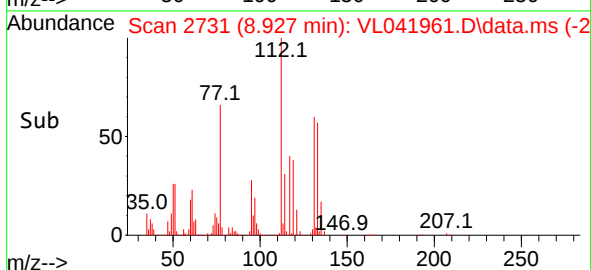
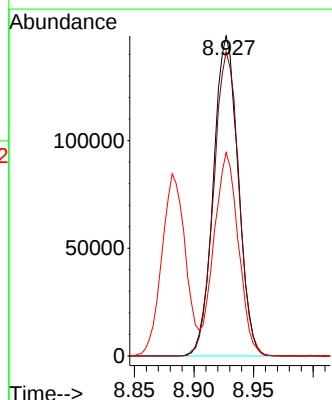
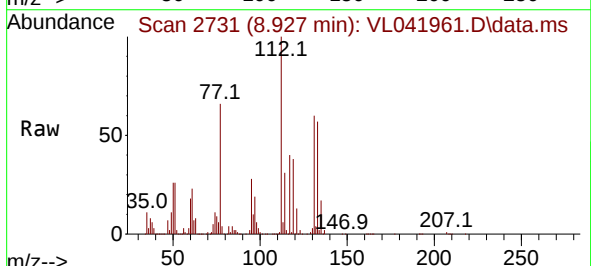
Tgt Ion:131 Resp: 214758

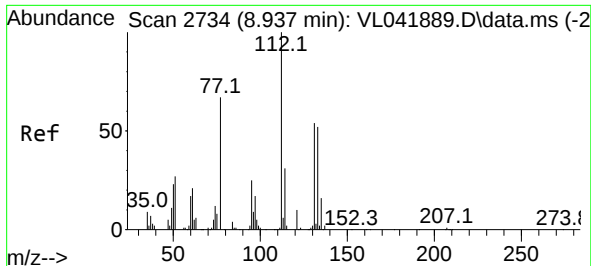
Ion Ratio Lower Upper

131 100

133 96.3 76.0 114.0

119 62.6 49.7 74.5

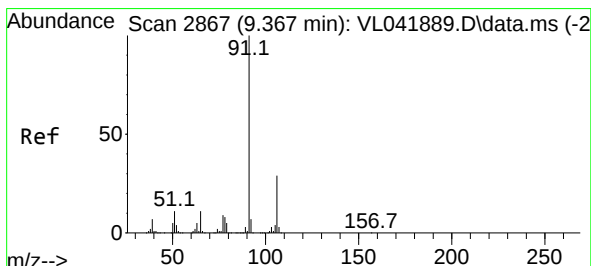
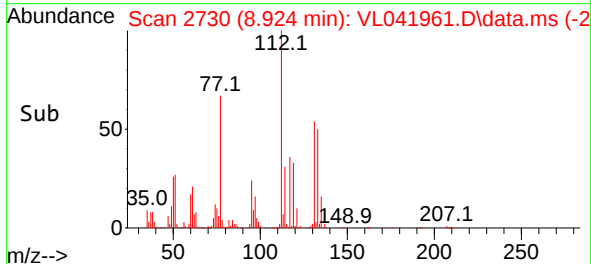
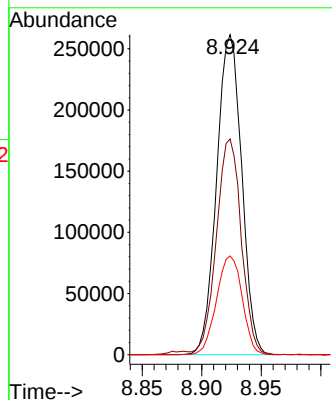
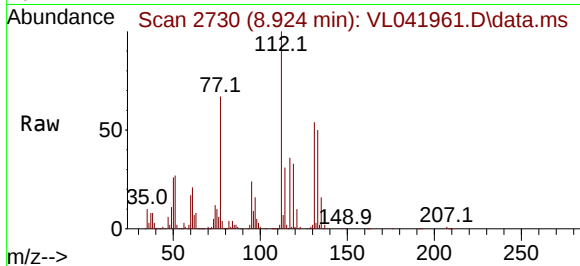




#57
Chlorobenzene
Concen: 11.284 ppbv
RT: 8.924 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

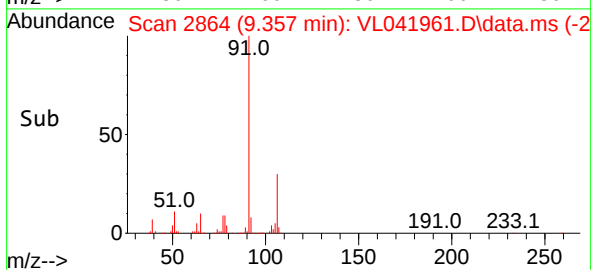
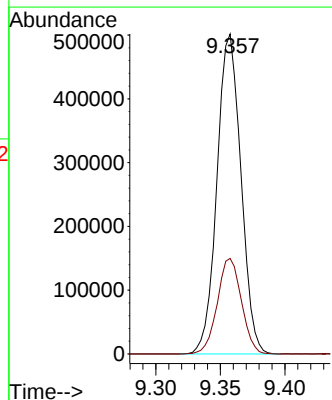
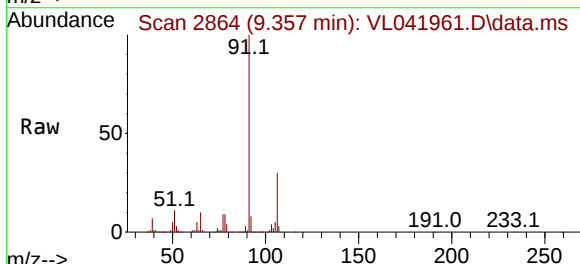
Instrument :
MSVOA_L
ClientSampleId :

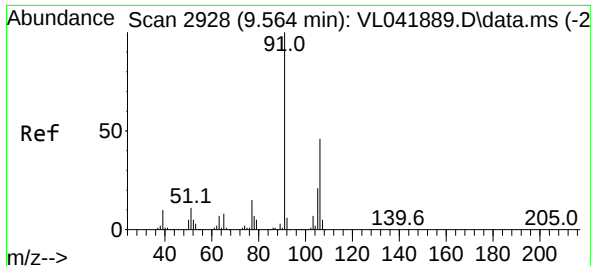
Tgt Ion:112 Resp: 382465
Ion Ratio Lower Upper
112 100
77 67.3 54.6 82.0
114 30.8 28.2 34.4



#58
Ethyl Benzene
Concen: 11.264 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.010 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 91 Resp: 646825
Ion Ratio Lower Upper
91 100
106 29.8 23.1 34.7





#59

m/p-Xylene

Concen: 10.120 ppbv

RT: 9.555 min Scan# 2925

Delta R.T. -0.010 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

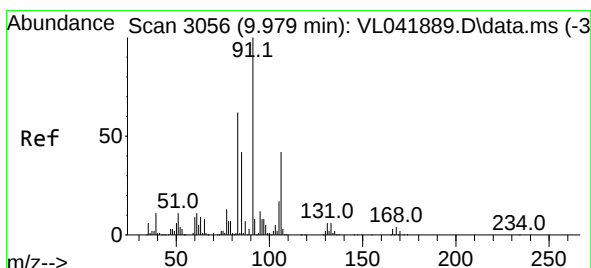
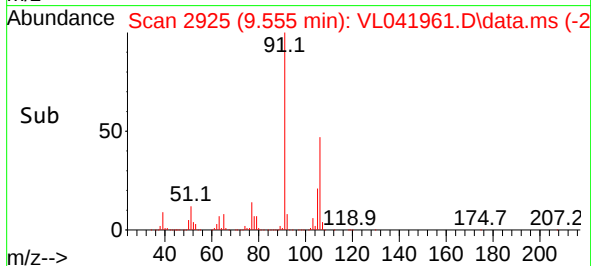
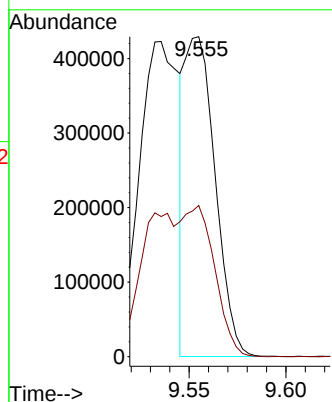
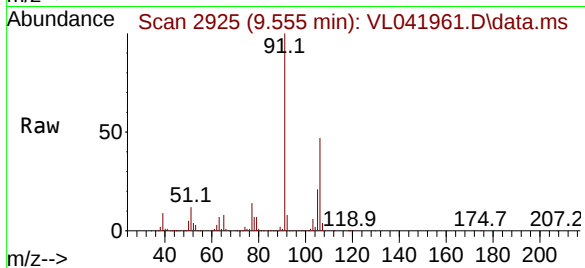
ClientSampleId :

Tgt Ion: 91 Resp: 465820

Ion Ratio Lower Upper

91 100

106 106.3 36.0 54.0#



#60

o-Xylene

Concen: 11.766 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.013 min

Lab File: VL041961.D

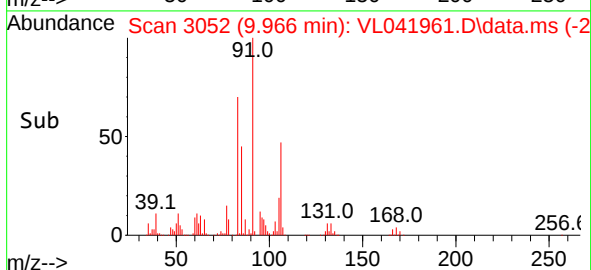
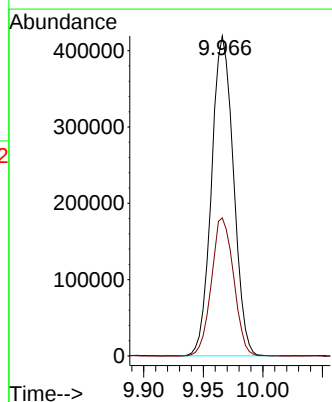
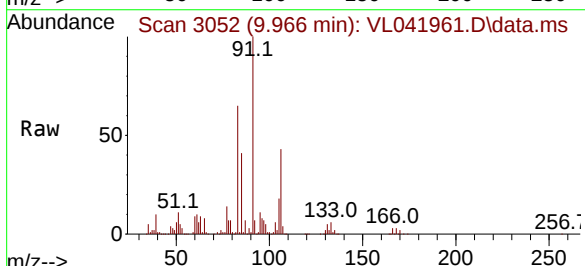
Acq: 03 Feb 2025 12:57

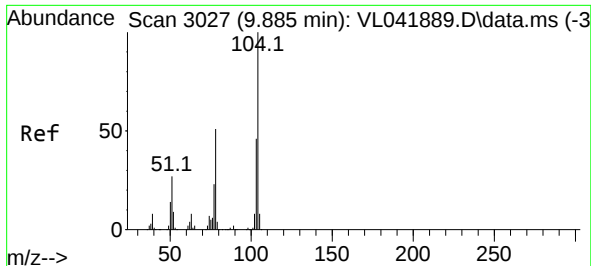
Tgt Ion: 91 Resp: 537558

Ion Ratio Lower Upper

91 100

106 43.6 21.3 63.9

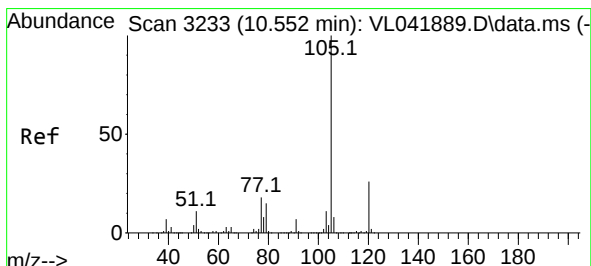
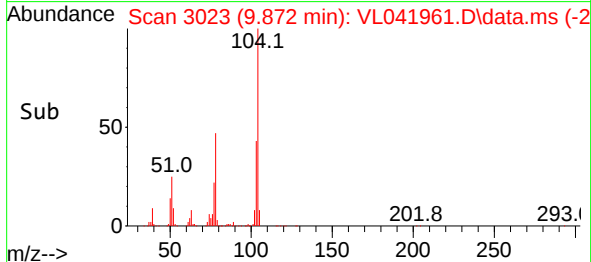
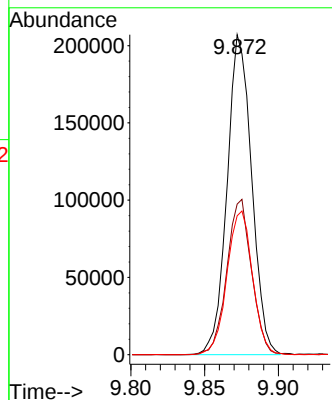
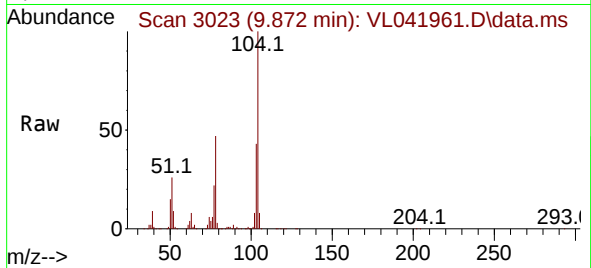




#61
Styrene
Concen: 11.699 ppbv
RT: 9.872 min Scan# 3027
Delta R.T. -0.013 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

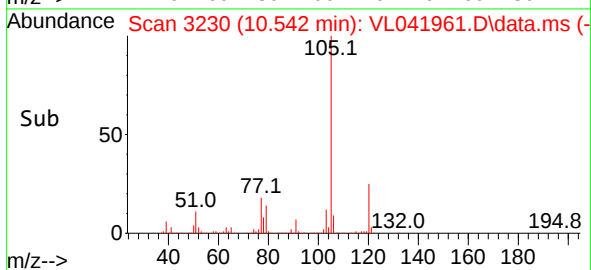
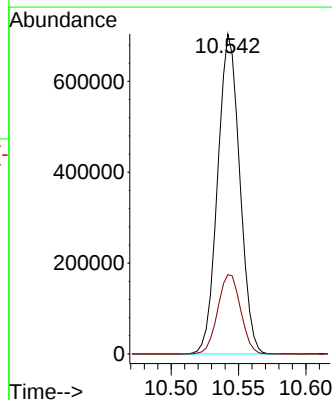
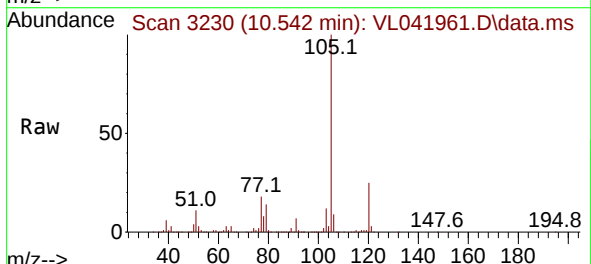
Instrument :
MSVOA_L
ClientSampleId :

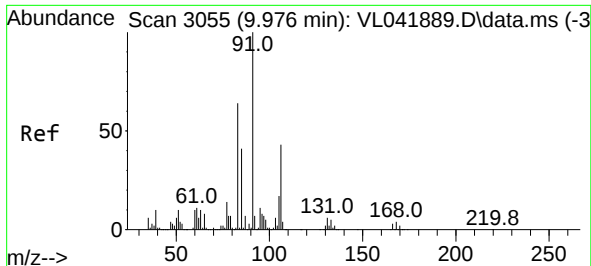
Tgt Ion:104 Resp: 239767
Ion Ratio Lower Upper
104 100
78 49.0 41.0 61.6
103 46.8 37.2 55.8



#62
Isopropylbenzene
Concen: 11.345 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.010 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion:105 Resp: 802003
Ion Ratio Lower Upper
105 100
120 25.7 20.3 30.5

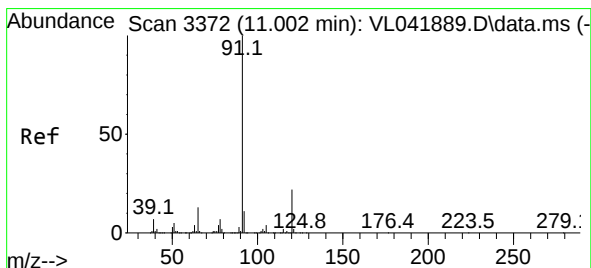
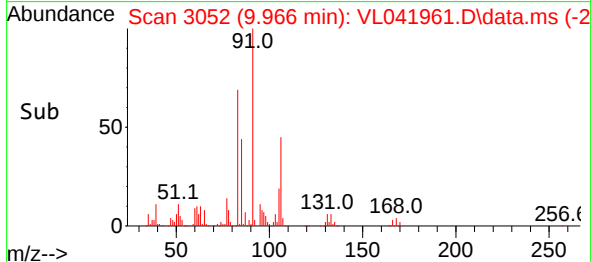
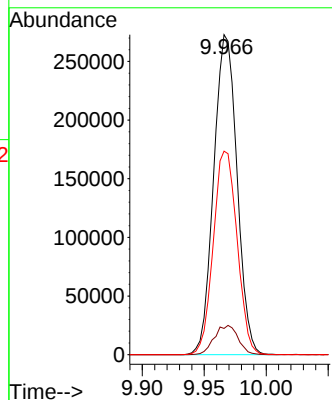
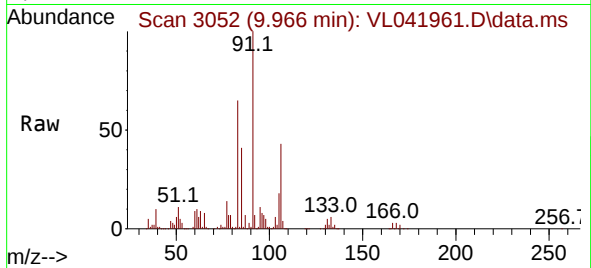




#63
1,1,2,2-Tetrachloroethane
Concen: 12.260 ppbv
RT: 9.966 min Scan# 3055
Delta R.T. -0.010 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

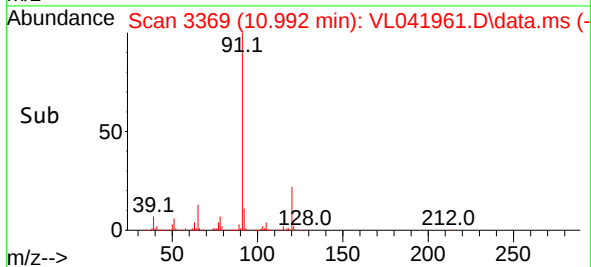
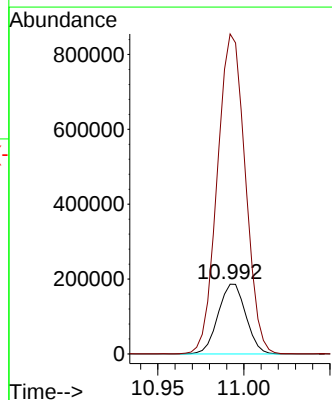
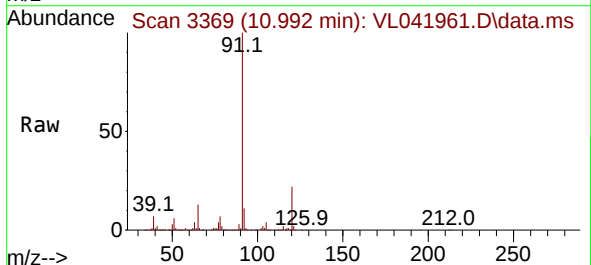
Instrument :
MSVOA_L
ClientSampleId :

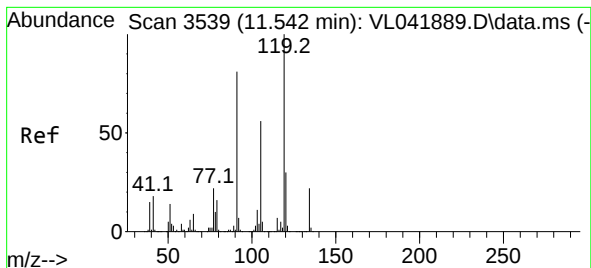
Tgt Ion: 83 Resp: 357905
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.4
85 64.8 32.4 97.2



#64
n-propylbenzene
Concen: 11.686 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.010 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 120 Resp: 208748
Ion Ratio Lower Upper
120 100
91 464.4 374.1 561.1

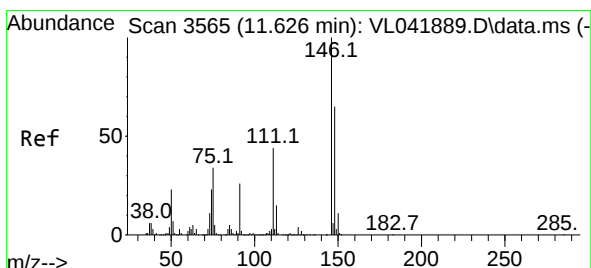
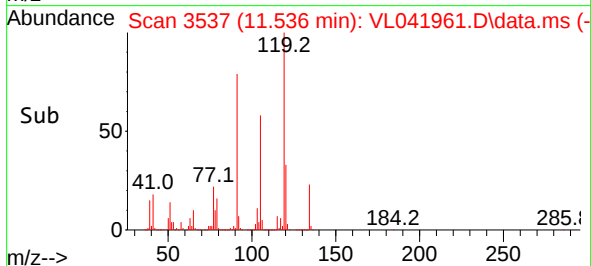
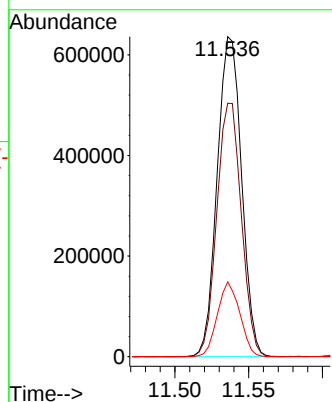
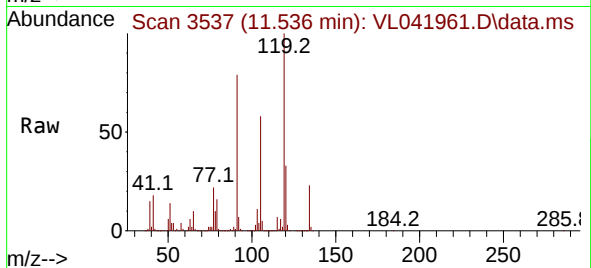




#65
 tert-Butylbenzene
 Concen: 11.360 ppbv
 RT: 11.536 min Scan# 3537
 Delta R.T. -0.006 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

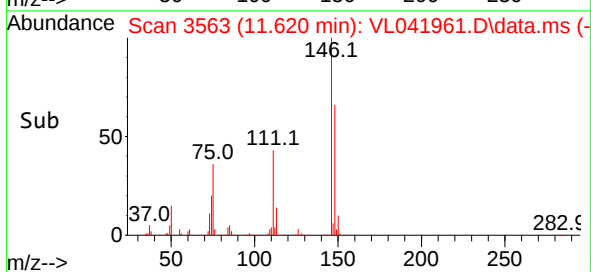
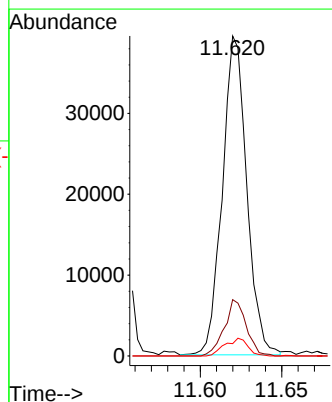
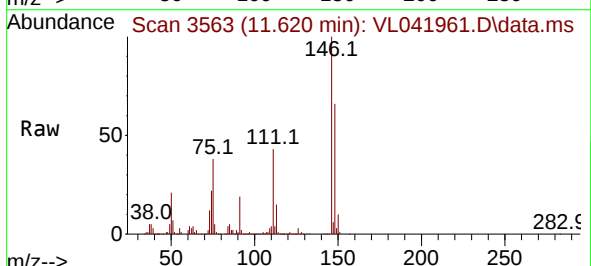
Instrument :
 MSVOA_L
 ClientSampleId :

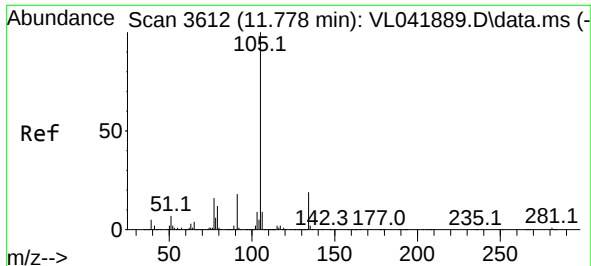
Tgt Ion:119 Resp: 731901
 Ion Ratio Lower Upper
 119 100
 91 79.7 64.6 97.0
 134 21.5 16.8 25.2



#66
 Benzyl Chloride
 Concen: 10.285 ppbv
 RT: 11.620 min Scan# 3563
 Delta R.T. -0.006 min
 Lab File: VL041961.D
 Acq: 03 Feb 2025 12:57

Tgt Ion: 91 Resp: 41013
 Ion Ratio Lower Upper
 91 100
 126 15.8 14.1 21.1
 128 5.3 4.3 6.5





#67

sec-Butylbenzene

Concen: 11.448 ppbv

RT: 11.772 min Scan# 3612

Delta R.T. -0.006 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

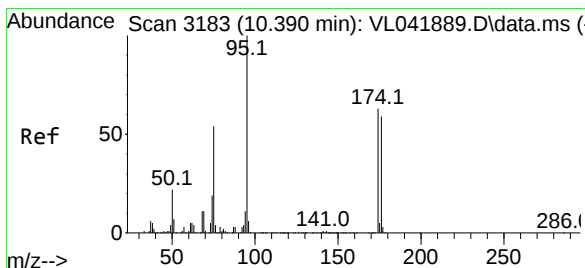
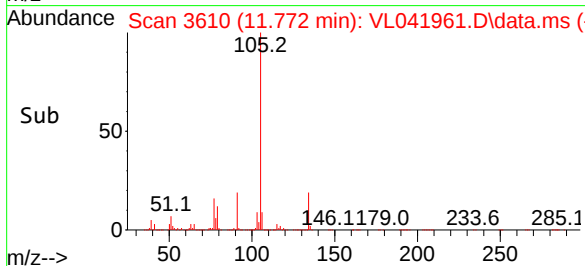
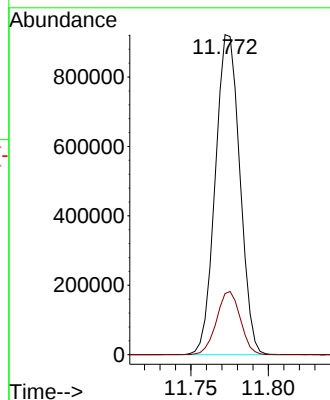
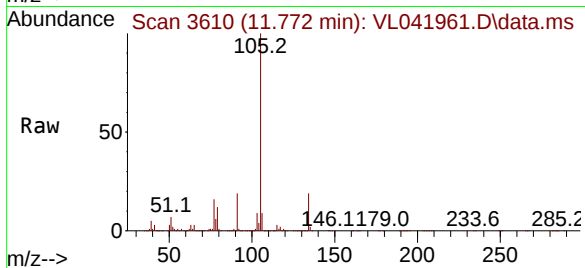
ClientSampleId :

Tgt Ion:105 Resp: 1015579

Ion Ratio Lower Upper

105 100

134 19.2 15.1 22.7



#68

1-Bromo-4-Fluorobenzene

Concen: 9.924 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. -0.010 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

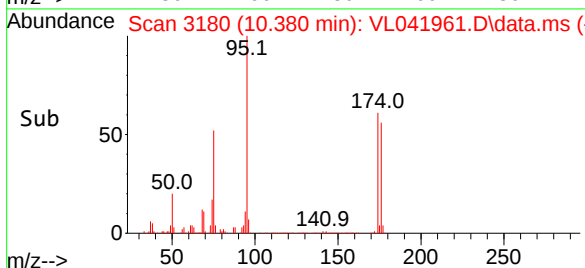
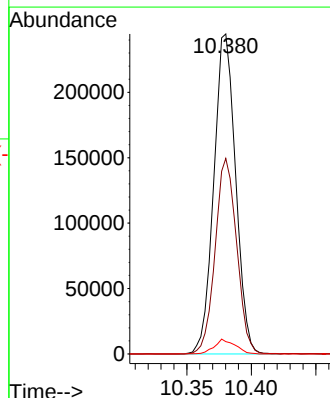
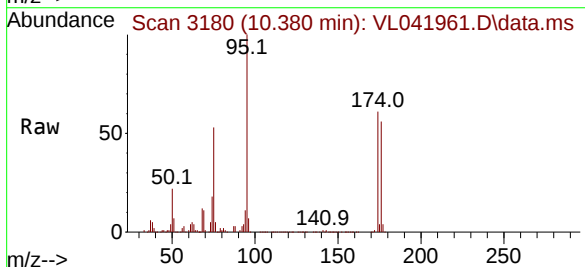
Tgt Ion: 95 Resp: 287209

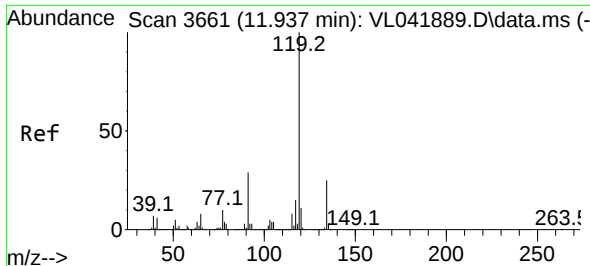
Ion Ratio Lower Upper

95 100

174 60.2 49.0 73.4

175 4.4 3.8 5.8

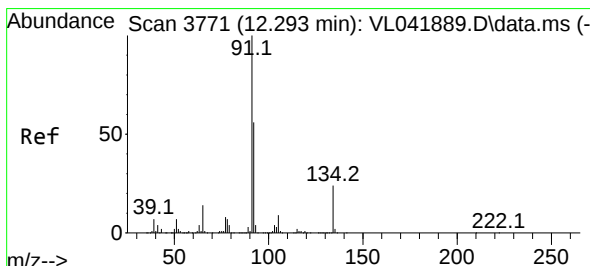
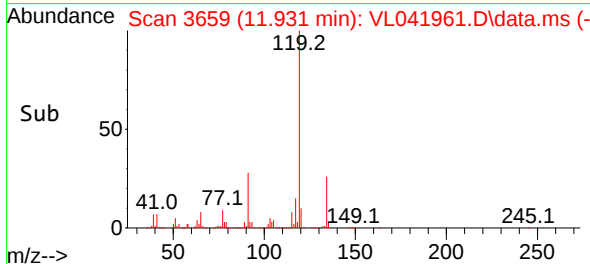
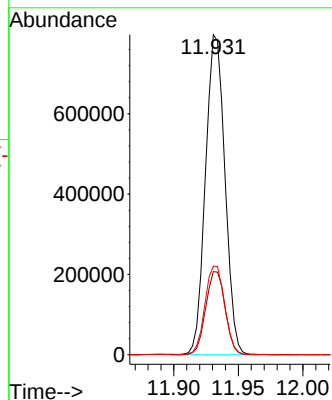
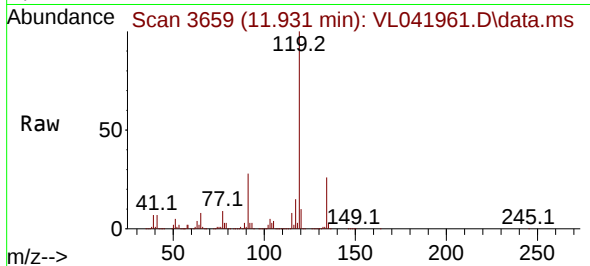




#69
p-Isopropyltoluene
Concen: 11.451 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. -0.006 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

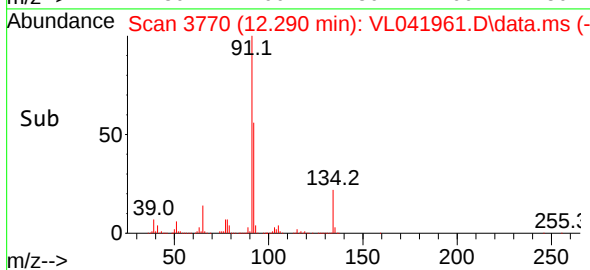
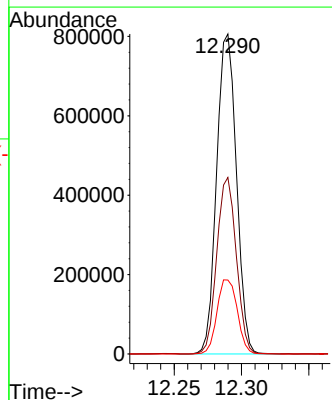
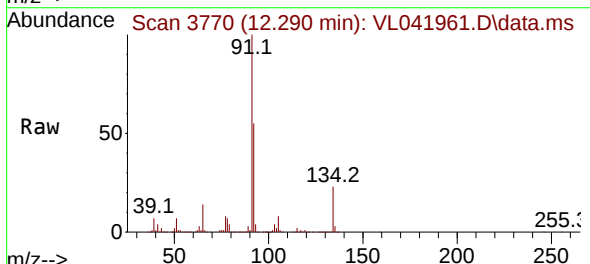
Instrument :
MSVOA_L
ClientSampleId :

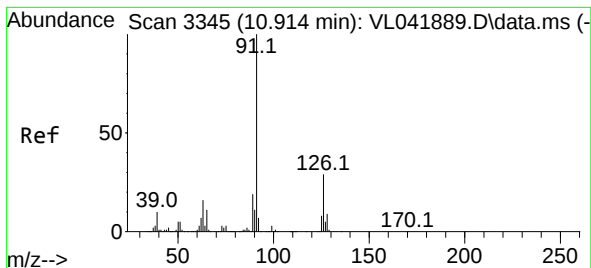
Tgt Ion:119 Resp: 836492
Ion Ratio Lower Upper
119 100
134 26.0 19.8 29.6
91 27.9 23.0 34.4



#70
n-Butylbenzene
Concen: 11.374 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. -0.003 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion: 91 Resp: 824000
Ion Ratio Lower Upper
91 100
92 54.6 43.8 65.6
134 23.8 19.0 28.6





#71

2-Chlorotoluene

Concen: 11.329 ppbv

RT: 10.905 min Scan# 31

Delta R.T. -0.010 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

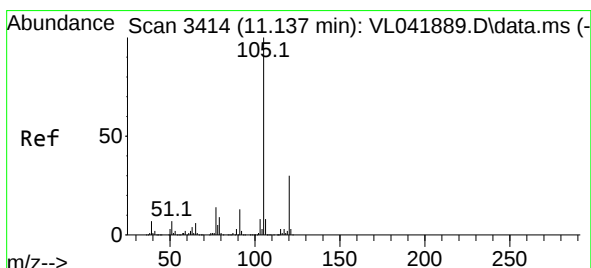
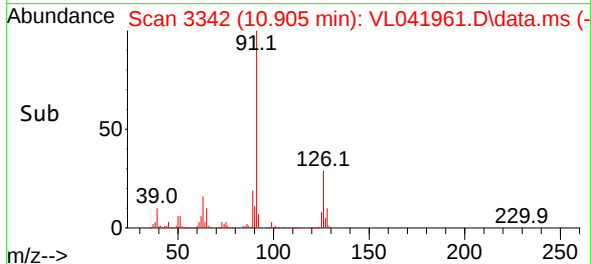
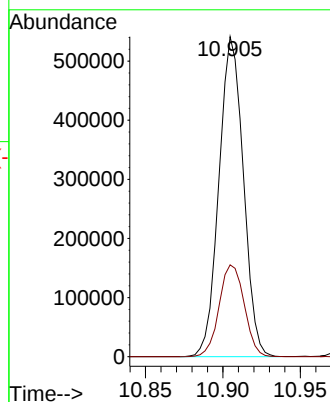
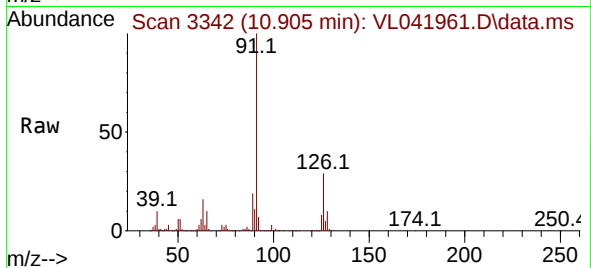
ClientSampleId :

Tgt Ion: 91 Resp: 592446

Ion Ratio Lower Upper

91 100

126 29.5 11.7 46.7



#72

4-Ethyltoluene

Concen: 11.602 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. -0.006 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Tgt Ion:105 Resp: 634050

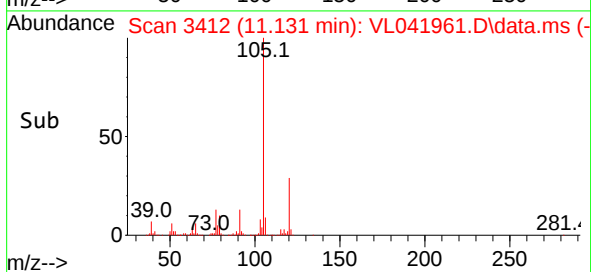
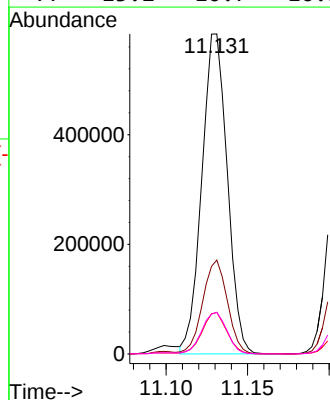
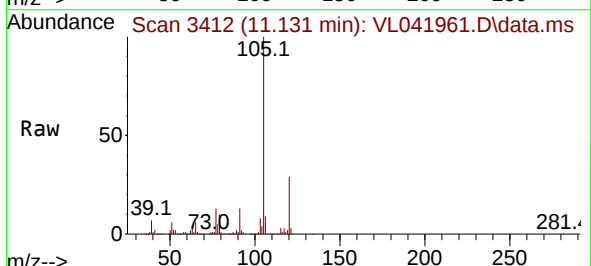
Ion Ratio Lower Upper

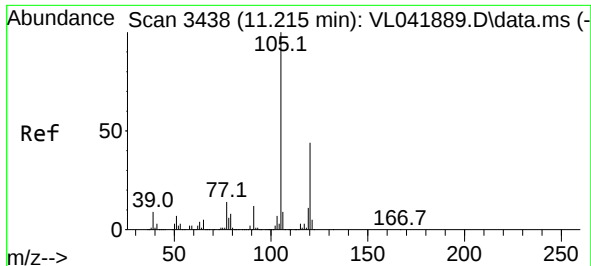
105 100

120 29.2 23.7 35.5

91 13.1 10.2 15.2

77 13.2 10.7 16.1

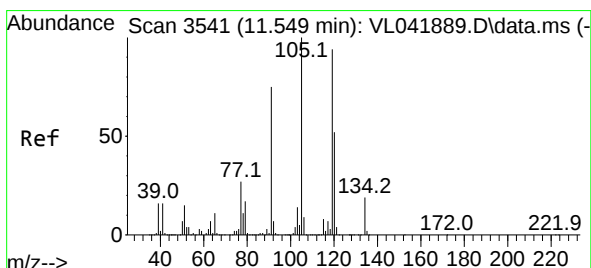
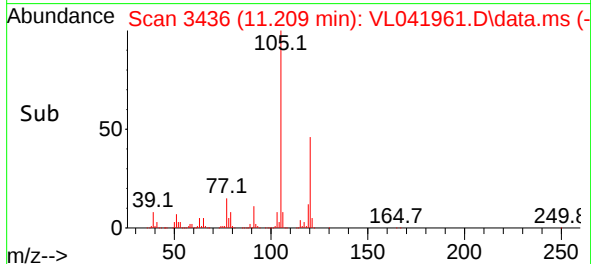
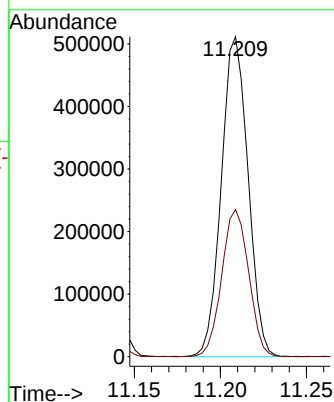
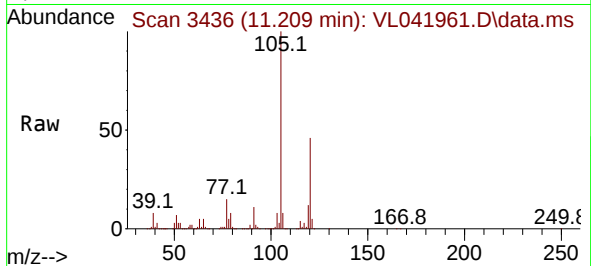




#73
1,3,5-Trimethylbenzene
Concen: 11.432 ppbv
RT: 11.209 min Scan# 34
Delta R.T. -0.006 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

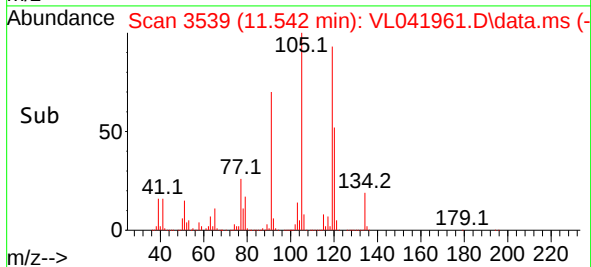
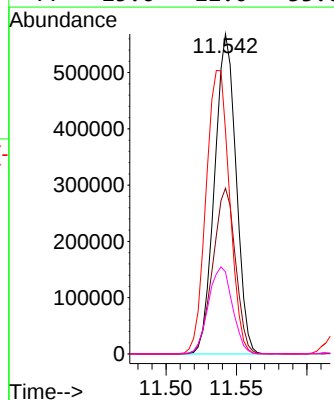
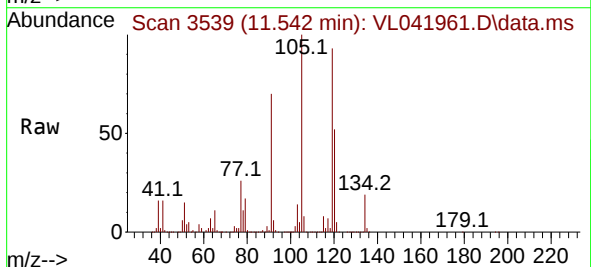
Instrument :
MSVOA_L
ClientSampleId :

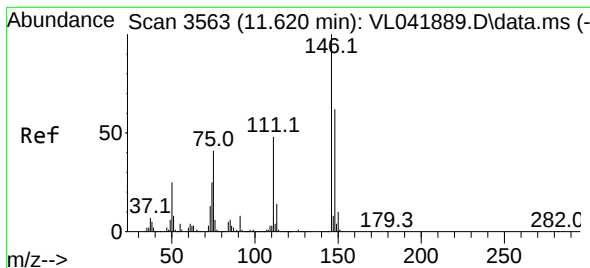
Tgt Ion:105 Resp: 551677
Ion Ratio Lower Upper
105 100
120 46.0 35.4 53.2



#74
1,2,4-Trimethylbenzene
Concen: 11.533 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.006 min
Lab File: VL041961.D
Acq: 03 Feb 2025 12:57

Tgt Ion:105 Resp: 602744
Ion Ratio Lower Upper
105 100
120 51.8 41.4 62.2
91 69.7 60.2 90.2
77 25.6 22.0 33.0





#75

1,3-Dichlorobenzene

Concen: 11.249 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. -0.006 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

ClientSampleId :

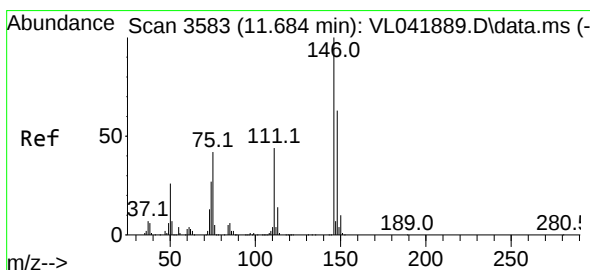
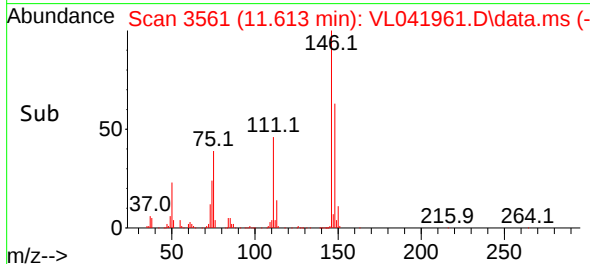
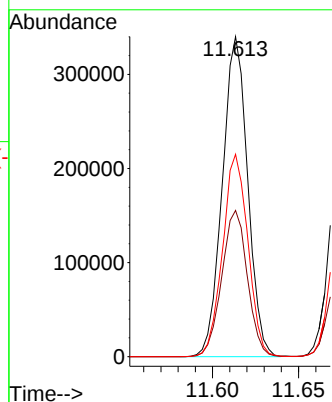
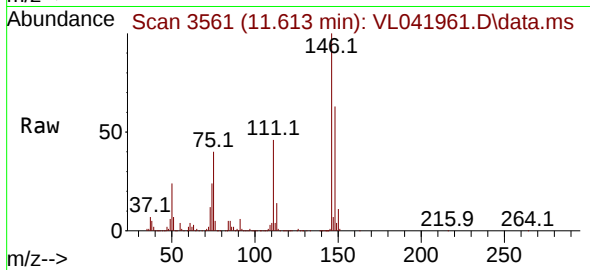
Tgt Ion:146 Resp: 348392

Ion Ratio Lower Upper

146 100

111 46.3 23.6 70.8

148 63.1 31.4 94.0



#76

1,4-Dichlorobenzene

Concen: 11.367 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. -0.006 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

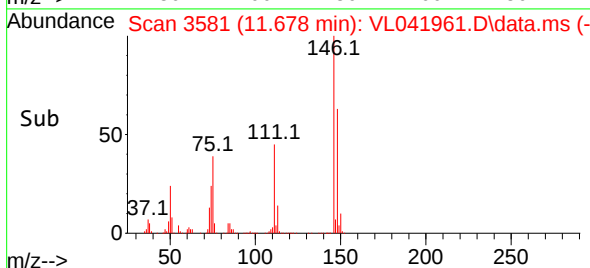
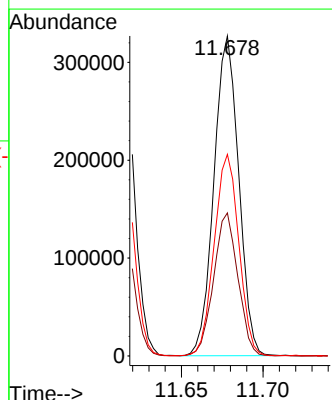
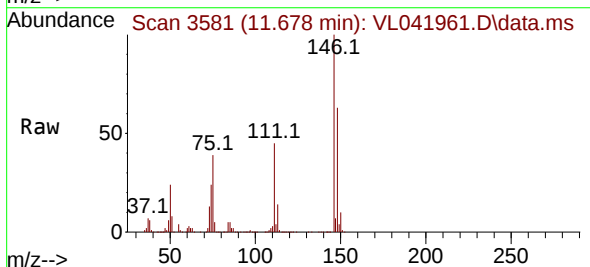
Tgt Ion:146 Resp: 344428

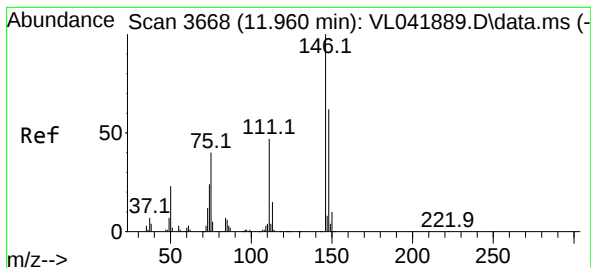
Ion Ratio Lower Upper

146 100

111 44.1 22.4 67.0

148 63.0 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 11.418 ppbv

RT: 11.953 min Scan# 3

Delta R.T. -0.006 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

ClientSampleId :

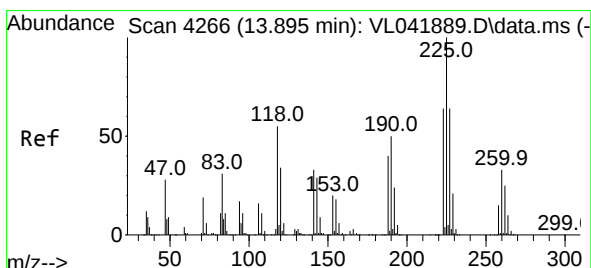
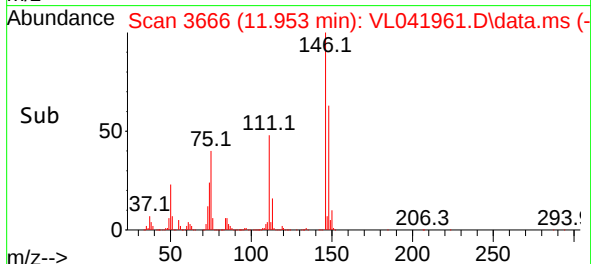
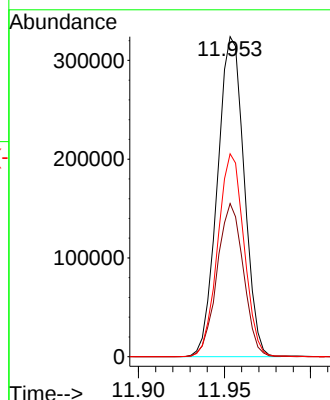
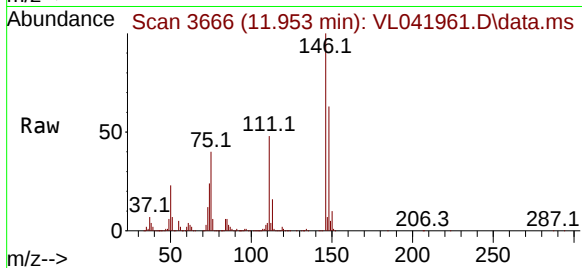
Tgt Ion:146 Resp: 350456

Ion Ratio Lower Upper

146 100

111 47.0 24.2 72.6

148 62.4 31.7 95.1



#78

Hexachloro-1,3-Butadiene

Concen: 9.500 ppbv

RT: 13.892 min Scan# 4265

Delta R.T. -0.003 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

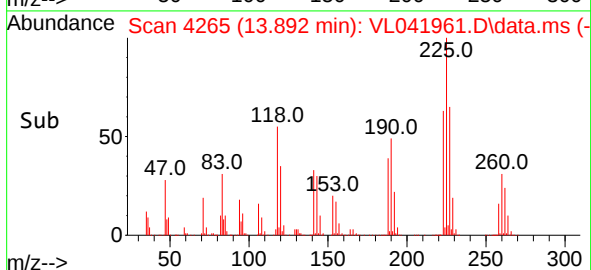
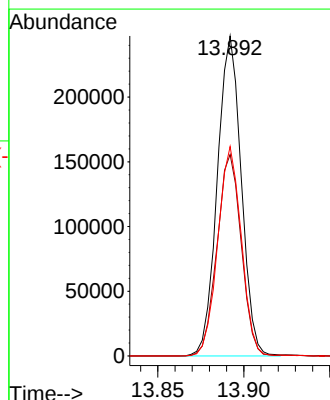
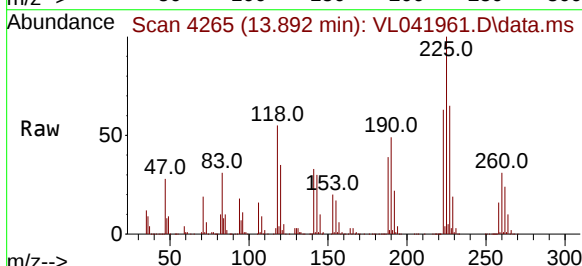
Tgt Ion:225 Resp: 239328

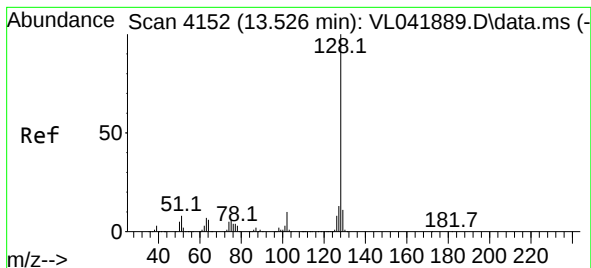
Ion Ratio Lower Upper

225 100

223 63.8 50.8 76.2

227 64.4 50.3 75.5





#79

Naphthalene

Concen: 10.249 ppbv

RT: 13.523 min Scan# 4152

Delta R.T. -0.003 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

ClientSampleId :

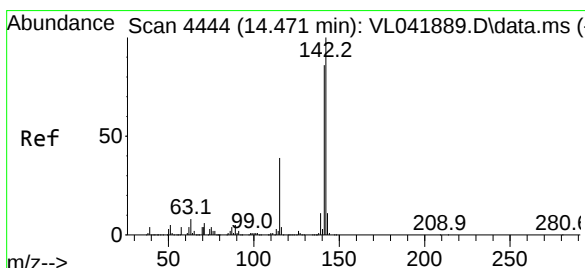
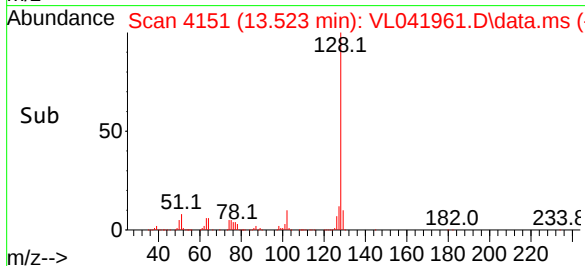
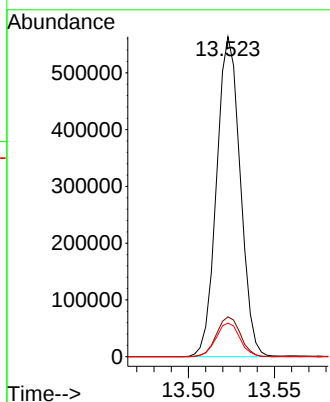
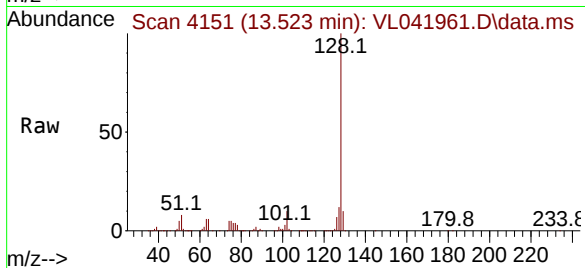
Tgt Ion:128 Resp: 539332

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.5 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 6.902 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. -0.003 min

Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

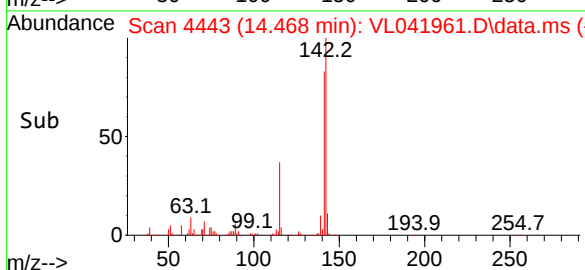
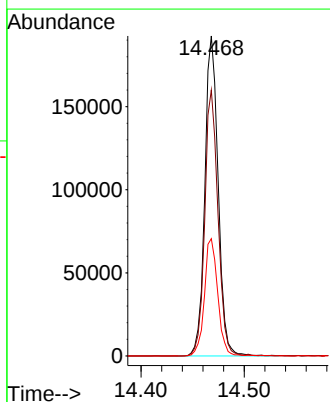
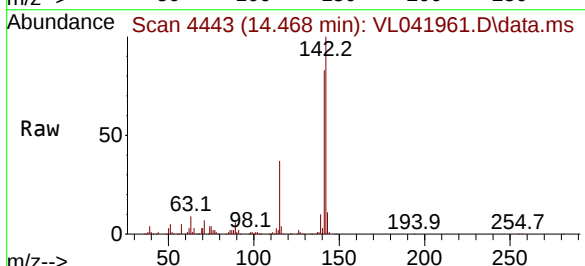
Tgt Ion:142 Resp: 172189

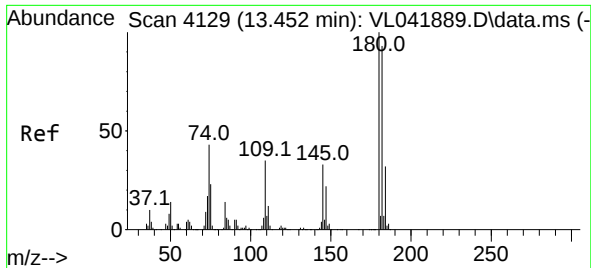
Ion Ratio Lower Upper

142 100

141 83.0 68.1 102.1

115 36.9 31.7 47.5





#81

1,2,4-Trichlorobenzene

Concen: 9.502 ppbv

RT: 13.452 min Scan# 41

Delta R.T. 0.000 min

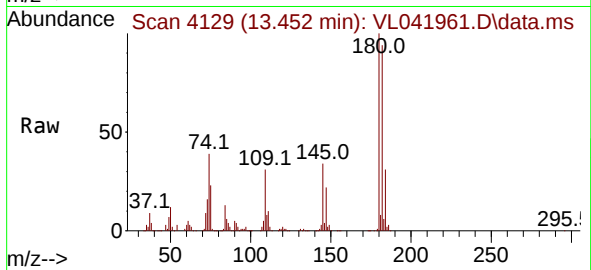
Lab File: VL041961.D

Acq: 03 Feb 2025 12:57

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 244059

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.6

184 29.8 24.9 37.3

