

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021725\
 Data File : VL042028.D
 Acq On : 17 Feb 2025 13:48
 Operator : SY/MD
 Sample : Q1168-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 18 00:25:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 18 00:13:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	86626	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	255732	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	230508	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	191013	10.046	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	7107	0.477	ppbv	98
3) Chlorodifluoromethane	1.480	51	8934	0.542	ppbv #	90
4) Chloromethane	1.538	50	2768	0.478	ppbv	94
5) Vinyl Chloride	1.586	62	2448	0.353	ppbv #	80
6) Bromomethane	1.671	94	1196	0.445	ppbv #	69
7) Chloroethane	1.709	64	1249	0.553	ppbv	92
8) Dichlorotetrafluoroethane	1.561	85	5985	0.456	ppbv	96
9) Propene	1.742	41	301	0.042	ppbv	84
10) Heptane	4.998	43	4507	0.228	ppbv #	26
11) Trichlorofluoromethane	1.884	101	7069	0.471	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.146	101	5259	0.449	ppbv	98
13) Ethanol	1.732	45	1458	1.819	ppbv	88
14) Bromoethene	1.787	108	1709	0.391	ppbv #	81
15) Acetone	1.842	43	8878	0.621	ppbv	97
16) 1,3-Butadiene	1.612	39	3474	0.512	ppbv	96
17) tert-Butyl alcohol	2.053	59	7559	0.427	ppbv #	87
18) 1,1-Dichloroethene	2.043	96	2264	0.405	ppbv #	66
19) Isopropyl Alcohol	1.894	45	4211	0.525	ppbv #	36
20) Methylene Chloride	2.072	84	3735	0.694	ppbv	89
21) Allyl Chloride	2.108	41	4191	0.405	ppbv #	69
22) trans-1,2-Dichloroethene	2.735	96	5055	0.833	ppbv	82
23) Vinyl Acetate	2.470	43	4414	0.570	ppbv #	83
24) 1,1-Dichloroethane	2.418	63	5774	0.469	ppbv	98
25) Ethyl Acetate	2.849	43	14726	0.375	ppbv #	91
26) Hexane	2.839	57	9904	0.629	ppbv	83
27) Carbon Disulfide	2.156	76	6502	0.439	ppbv #	1
28) Methyl tert-Butyl Ether	2.457	73	5159	0.536	ppbv	93
29) Chloroform	2.858	83	11149	0.489	ppbv	86
30) Cyclohexane	3.872	84	6552	0.513	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	8063	0.518	ppbv #	87
32) 1,1,1-Trichloroethane	3.383	97	7454	0.295	ppbv #	39
34) 2-Butanone	2.574	43	10409	0.473	ppbv #	87
35) Carbon Tetrachloride	3.784	117	10774	0.434	ppbv	91
36) Benzene	3.681	78	4852	0.157	ppbv	95
37) 1,2-Dichloroethane	3.234	62	8506	0.482	ppbv	99
38) Trichloroethene	4.571	130	5032	0.400	ppbv #	91
39) 1,2-Dichloropropane	4.334	63	2793	0.246	ppbv #	44
40) 1,4-Dioxane	4.632	88	1169	0.198	ppbv #	1
41) Tetrahydrofuran	3.079	42	3456	0.275	ppbv #	43
42) Bromodichloromethane	4.512	83	11129	0.466	ppbv #	93
43) Methyl Methacrylate	4.904	69	1369	0.097	ppbv #	1
44) 2,2,4-Trimethylpentane	4.661	57	13604	0.259	ppbv #	47
45) t-1,3-Dichloropropene	6.435	75	2610	0.196	ppbv	99

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

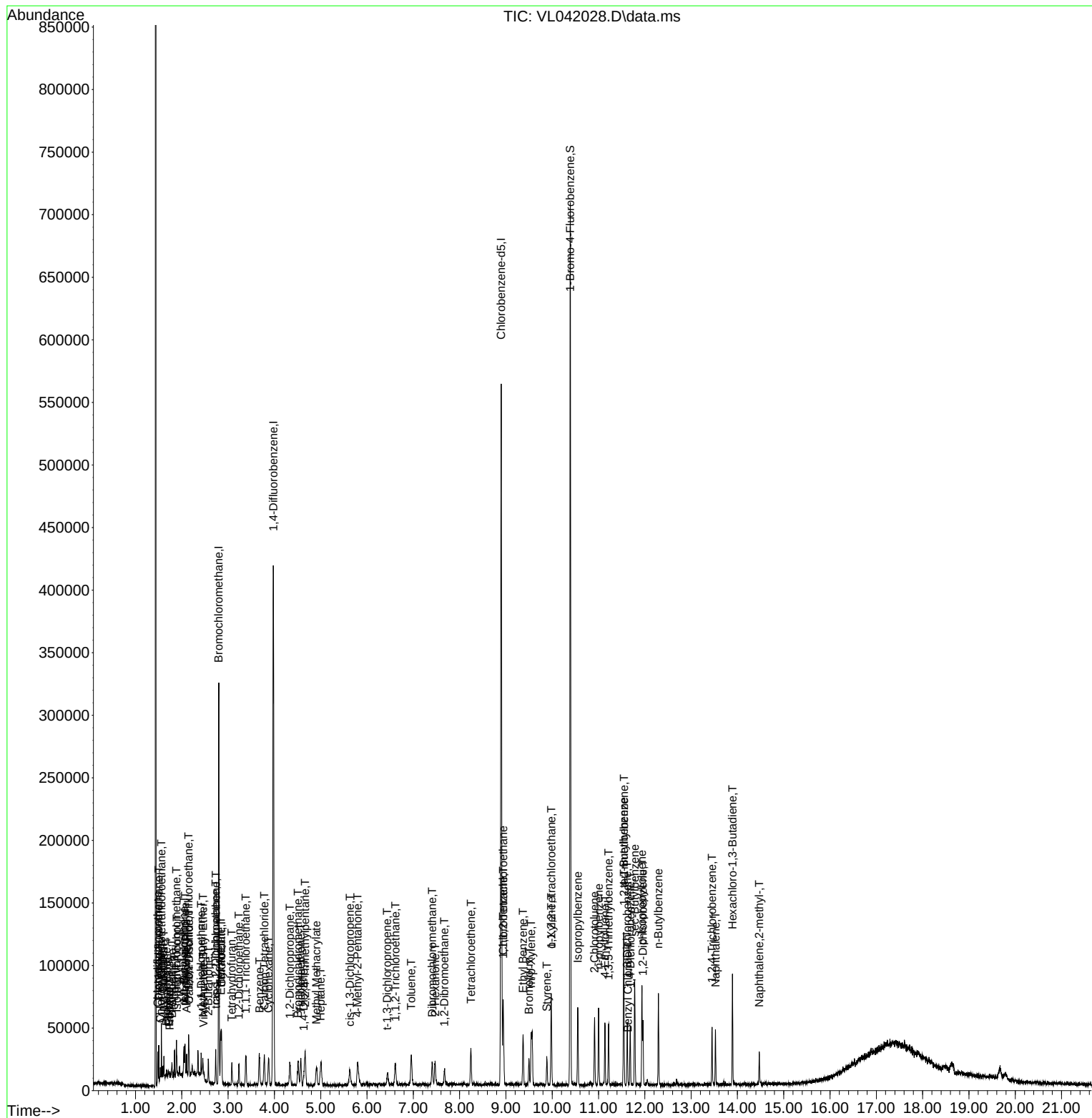
Instrument :
 MSVOA_L
 ClientSampleId :

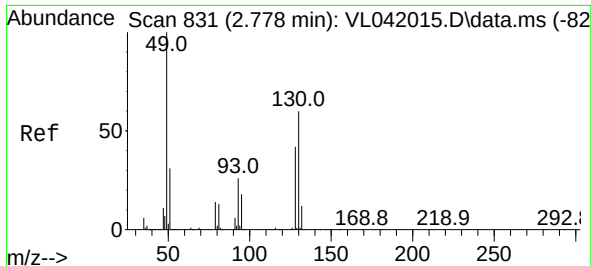
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 18 00:13:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	1997	0.118	ppbv #	60
47) 1,1,2-Trichloroethane	6.613	97	5260	0.440	ppbv #	82
48) Dibromochloromethane	7.406	129	8871	0.443	ppbv	100
49) Bromoform	9.497	173	6696	0.408	ppbv	97
50) 4-Methyl-2-Pentanone	5.794	43	9783	0.289	ppbv #	55
51) 2-Hexanone	7.471	43	12563	0.454	ppbv #	99
52) Tetrachloroethene	8.244	164	4642	0.430	ppbv	87
53) Toluene	6.956	91	15943	0.432	ppbv	96
54) 1,2-Dibromoethane	7.668	107	3261	0.198	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.943	131	6885	0.417	ppbv #	66
57) Chlorobenzene	8.940	112	12431	0.458	ppbv	97
58) Ethyl Benzene	9.367	91	22651	0.449	ppbv	98
59) m/p-Xylene	9.545	91	14548	0.366	ppbv #	31
60) o-Xylene	9.979	91	18240	0.454	ppbv	100
61) Styrene	9.882	104	7723	0.403	ppbv	95
62) Isopropylbenzene	10.552	105	26487	0.439	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.979	83	12018	0.464	ppbv #	92
64) n-propylbenzene	11.005	120	6379	0.430	ppbv	87
65) tert-Butylbenzene	11.546	119	24062	0.457	ppbv	95
66) Benzyl Chloride	11.636	91	486	0.092	ppbv #	1
67) sec-Butylbenzene	11.782	105	31087	0.421	ppbv	95
69) p-Isopropyltoluene	11.940	119	26561	0.439	ppbv	96
70) n-Butylbenzene	12.293	91	25627	0.430	ppbv	100
71) 2-Chlorotoluene	10.914	91	21309	0.469	ppbv	97
72) 4-Ethyltoluene	11.138	105	20321	0.432	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.215	105	17694	0.436	ppbv	87
74) 1,2,4-Trimethylbenzene	11.549	105	18770	0.431	ppbv #	87
75) 1,3-Dichlorobenzene	11.620	146	10394	0.443	ppbv	95
76) 1,4-Dichlorobenzene	11.688	146	10718	0.468	ppbv	94
77) 1,2-Dichlorobenzene	11.960	146	10152	0.453	ppbv	94
78) Hexachloro-1,3-Butadiene	13.892	225	8636	0.465	ppbv	96
79) Naphthalene	13.526	128	18412	0.429	ppbv #	92
80) Naphthalene,2-methyl-	14.472	142	7197	0.371	ppbv	93
81) 1,2,4-Trichlorobenzene	13.452	180	6614	0.379	ppbv	88

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

Quant Time: Feb 18 00:25:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
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QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

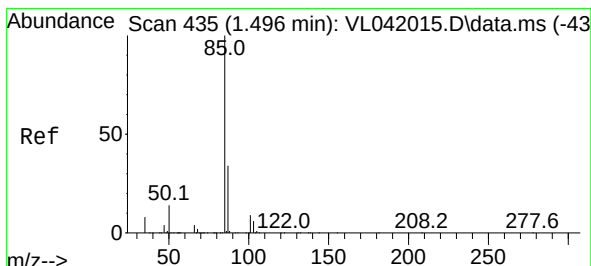
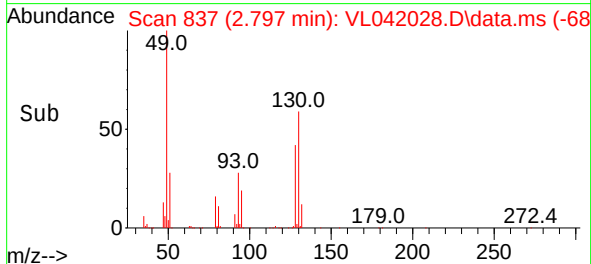
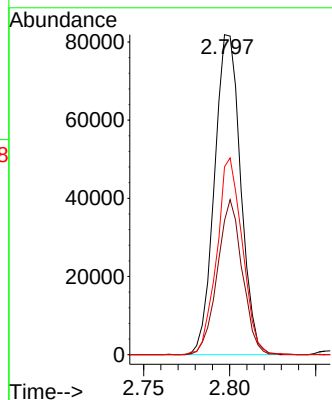
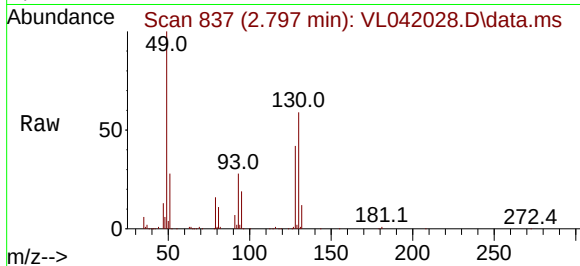




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.797 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

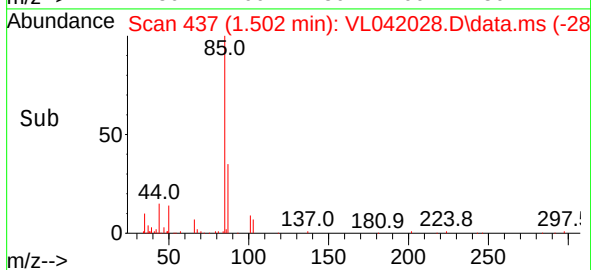
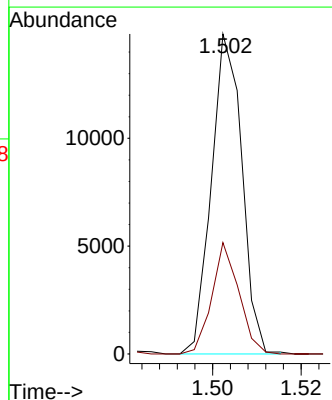
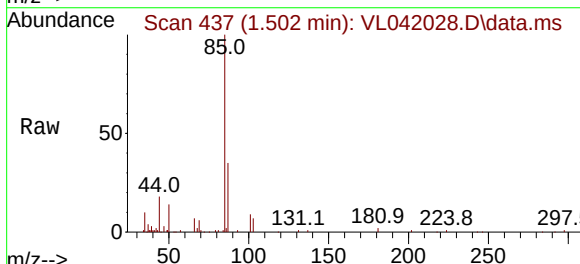
Instrument :
 MSVOA_L
 ClientSampleId :

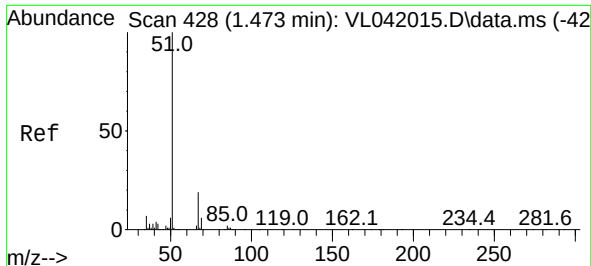
Tgt Ion: 49 Resp: 86626
 Ion Ratio Lower Upper
 49 100
 128 46.1 22.7 68.0
 130 60.1 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 0.477 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

Tgt Ion: 85 Resp: 7107
 Ion Ratio Lower Upper
 85 100
 87 34.8 26.9 40.3

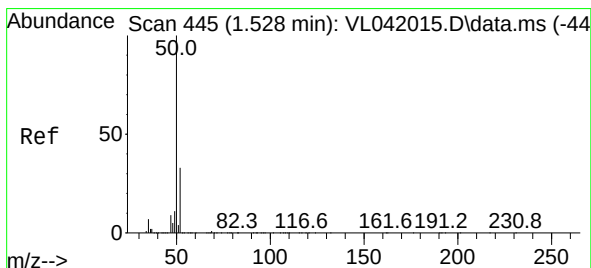
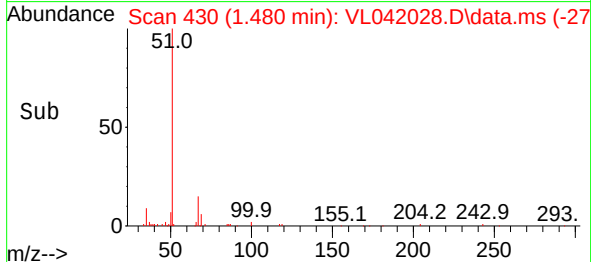
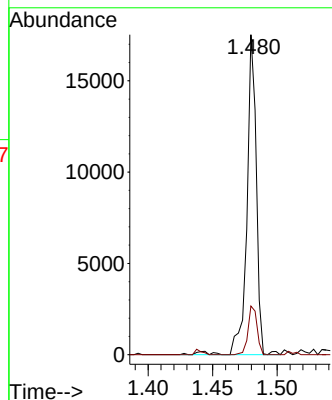
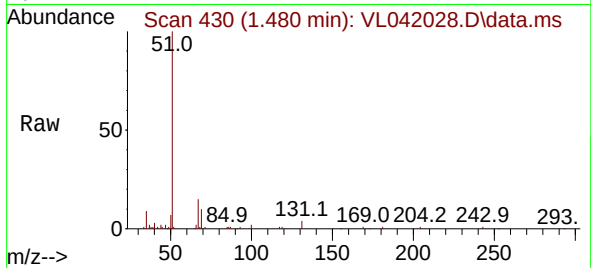




#3
Chlorodifluoromethane
Concen: 0.542 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

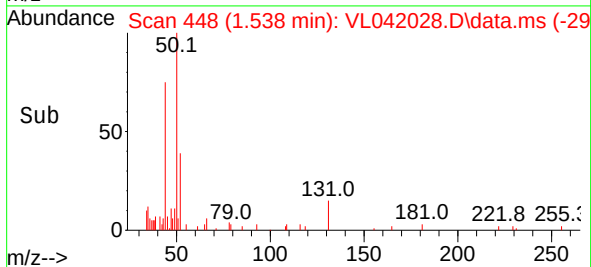
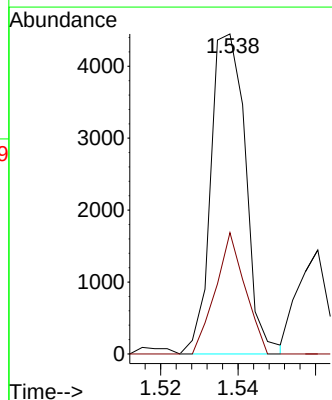
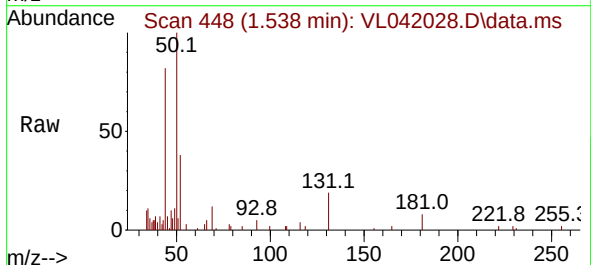
Instrument :
MSVOA_L
ClientSampleId :

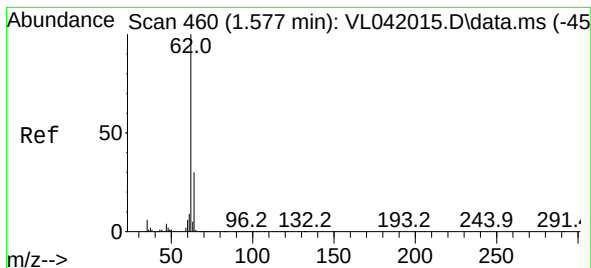
Tgt Ion: 51 Resp: 8934
Ion Ratio Lower Upper
51 100
67 14.4 15.0 22.6#



#4
Chloromethane
Concen: 0.478 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

Tgt Ion: 50 Resp: 2768
Ion Ratio Lower Upper
50 100
52 35.8 26.2 39.2





#5

Vinyl Chloride

Concen: 0.353 ppbv

RT: 1.586 min Scan# 4

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

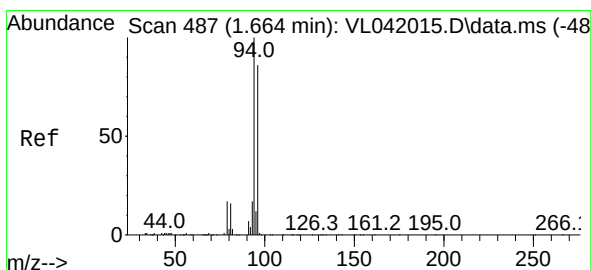
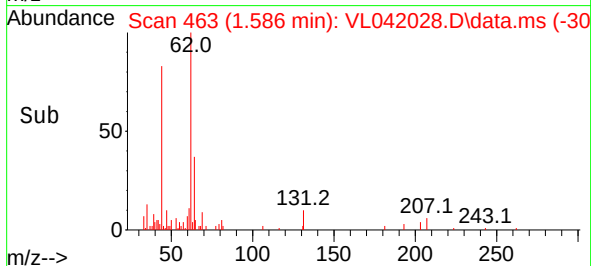
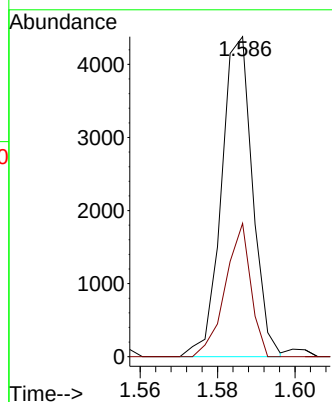
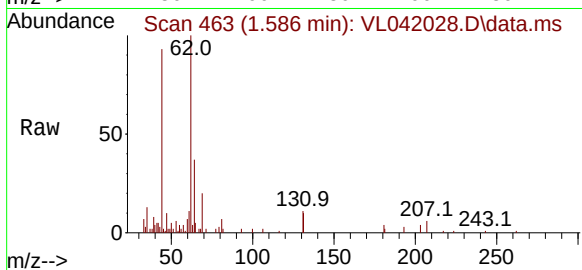
ClientSampleId :

Tgt Ion: 62 Resp: 2448

Ion Ratio Lower Upper

62 100

64 41.7 24.4 36.6#



#6

Bromomethane

Concen: 0.445 ppbv

RT: 1.671 min Scan# 489

Delta R.T. -0.003 min

Lab File: VL042028.D

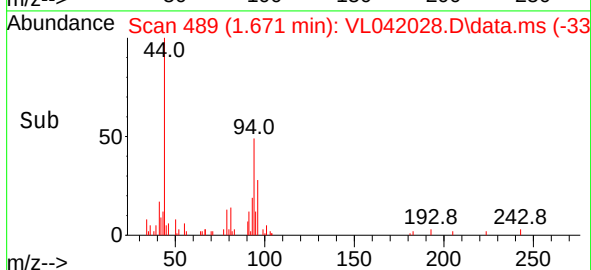
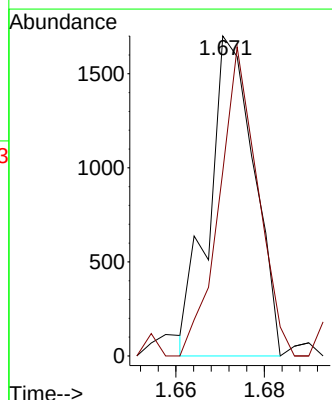
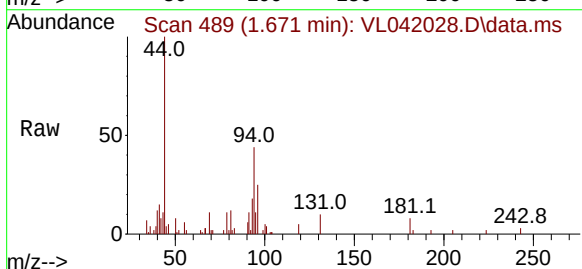
Acq: 17 Feb 2025 13:48

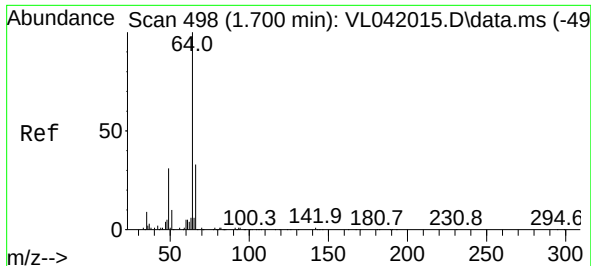
Tgt Ion: 94 Resp: 1196

Ion Ratio Lower Upper

94 100

96 57.6 69.0 103.6#

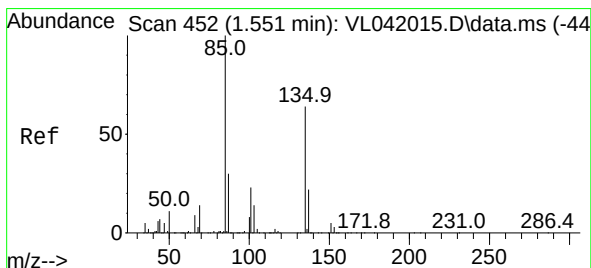
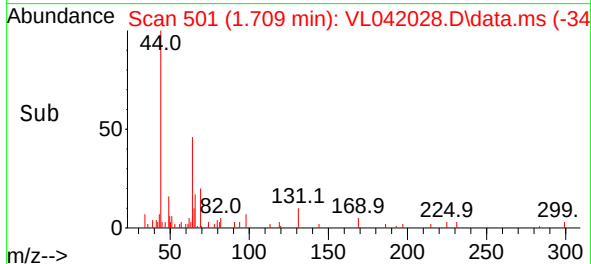
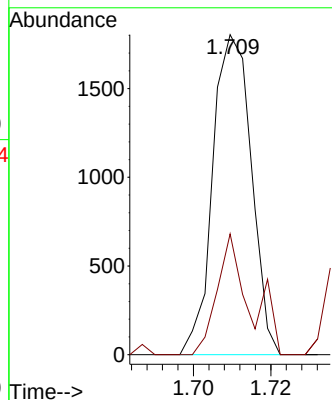
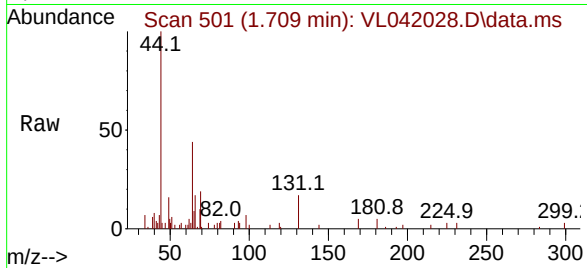




#7
Chloroethane
Concen: 0.553 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

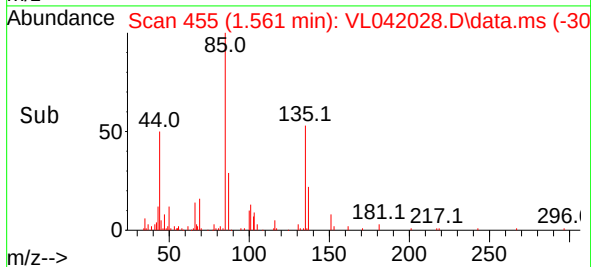
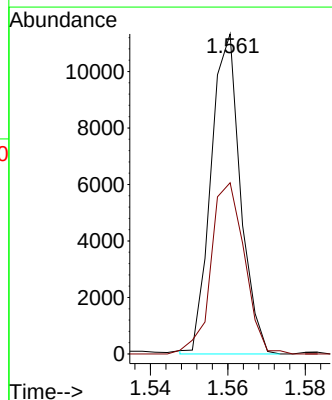
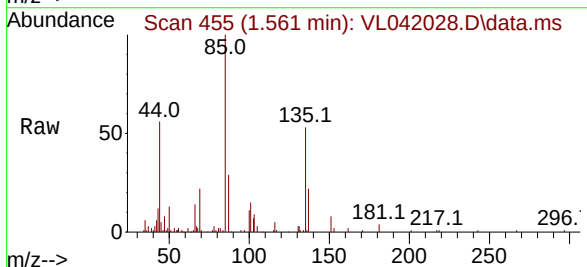
Instrument :
MSVOA_L
ClientSampleId :

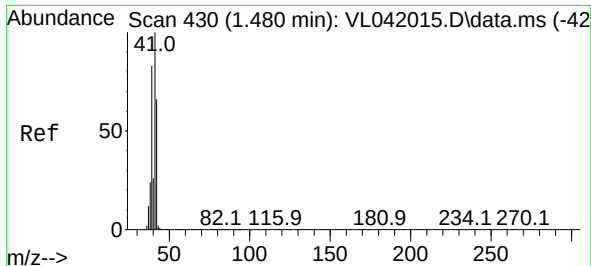
Tgt Ion: 64 Resp: 1249
Ion Ratio Lower Upper
64 100
66 37.7 26.5 39.7



#8
Dichlorotetrafluoroethane
Concen: 0.456 ppbv
RT: 1.561 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

Tgt Ion: 85 Resp: 5985
Ion Ratio Lower Upper
85 100
135 60.8 50.9 76.3





#9

Propene

Concen: 0.042 ppbv

RT: 1.742 min Scan# 511

Delta R.T. 0.253 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

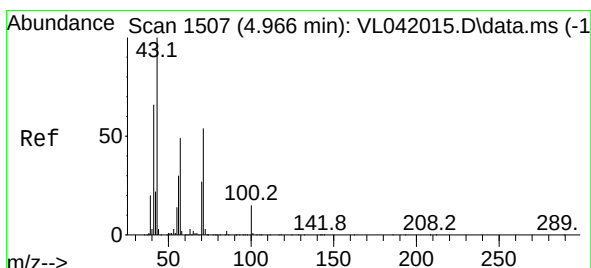
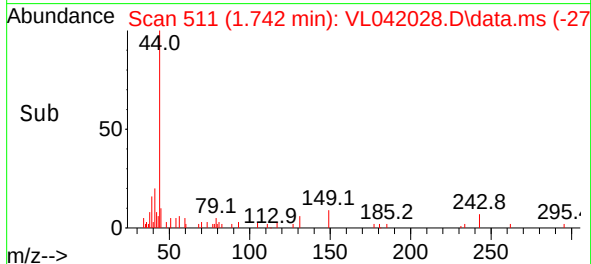
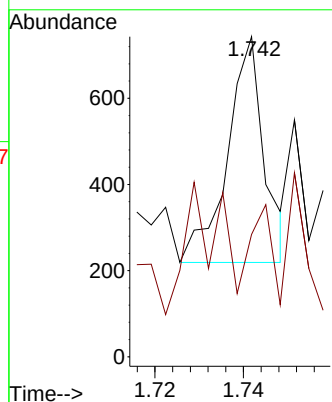
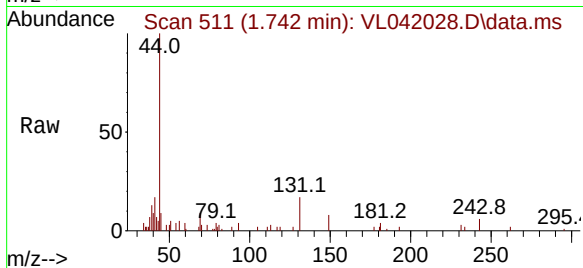
ClientSampleId :

Tgt Ion: 41 Resp: 301

Ion Ratio Lower Upper

41 100

42 80.1 53.5 80.3



#10

Heptane

Concen: 0.228 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. -0.006 min

Lab File: VL042028.D

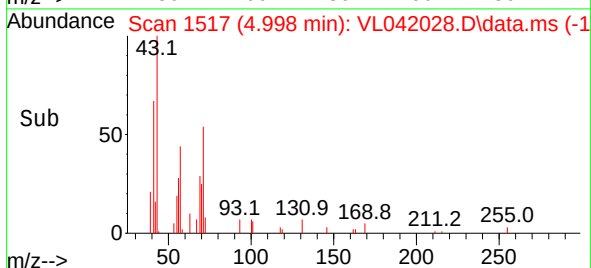
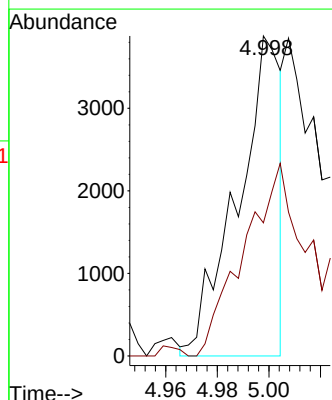
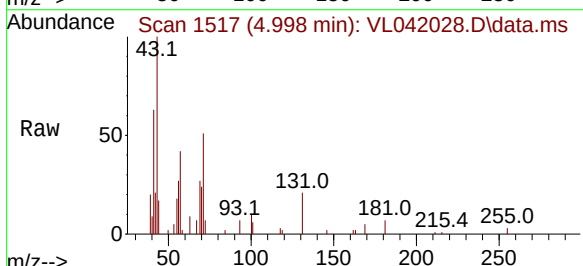
Acq: 17 Feb 2025 13:48

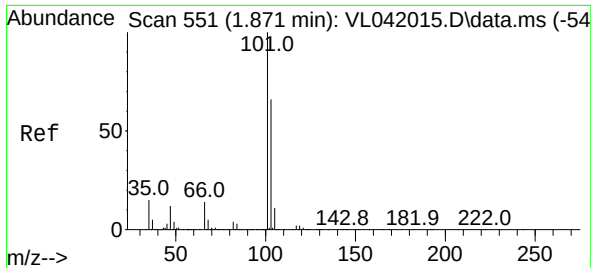
Tgt Ion: 43 Resp: 4507

Ion Ratio Lower Upper

43 100

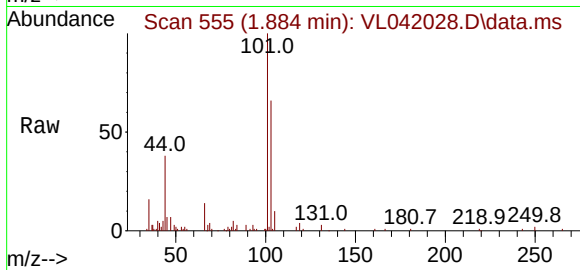
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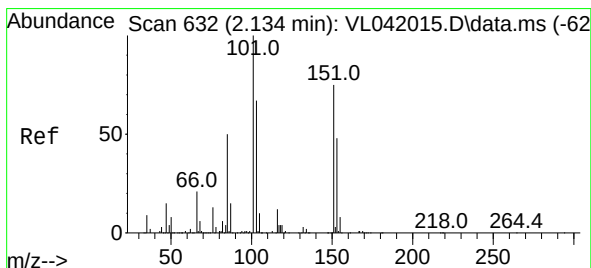
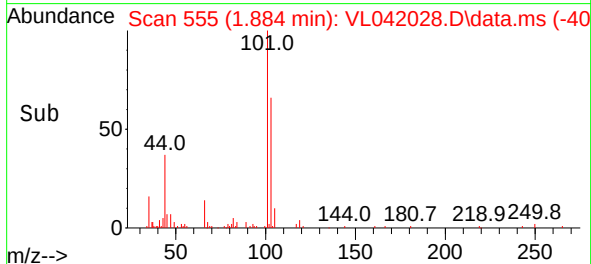
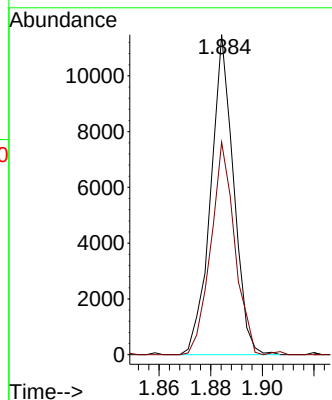


#11
 Trichlorofluoromethane
 Concen: 0.471 ppbv
 RT: 1.884 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

Instrument :
 MSVOA_L
 ClientSampleId :

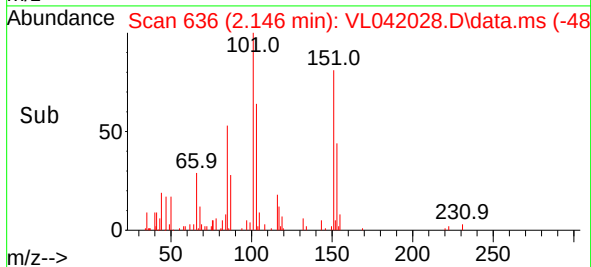
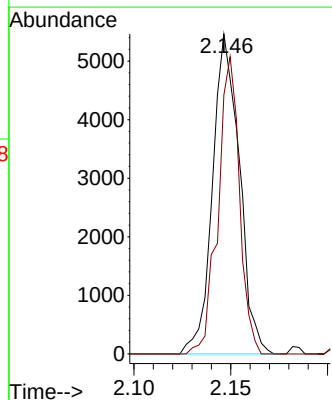
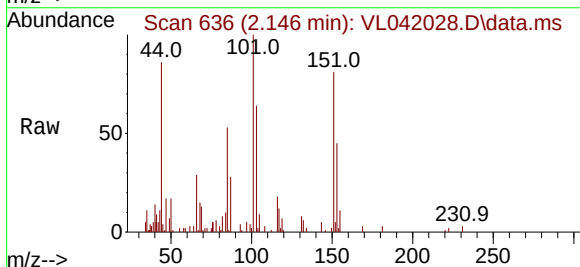


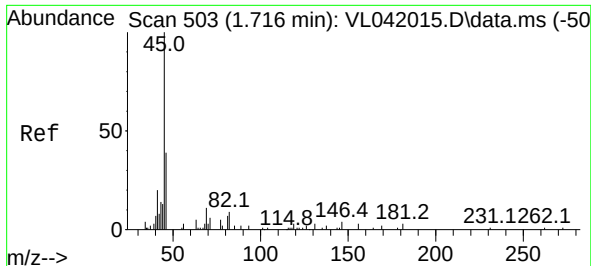
Tgt Ion:101 Resp: 7069
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.449 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. -0.003 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

Tgt Ion:101 Resp: 5259
 Ion Ratio Lower Upper
 101 100
 151 74.4 58.2 87.2





#13

Ethanol

Concen: 1.819 ppbv

RT: 1.732 min Scan# 503

Delta R.T. 0.004 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

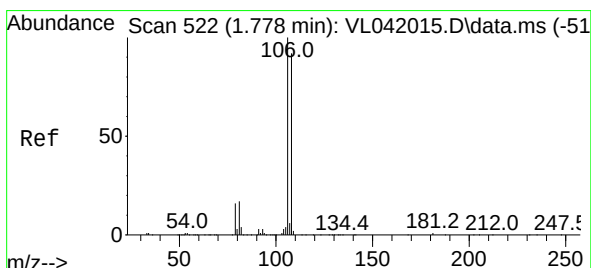
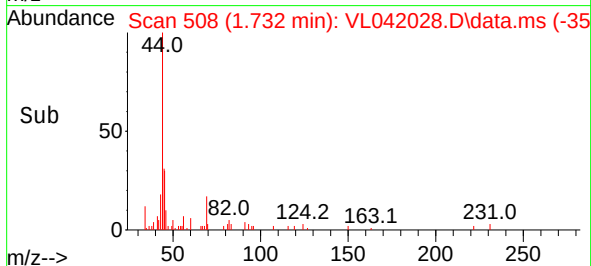
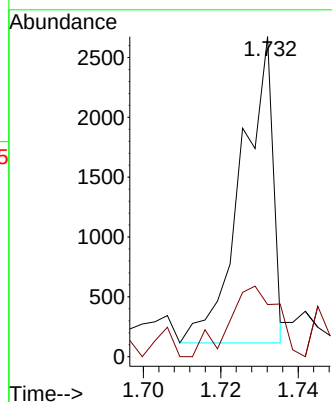
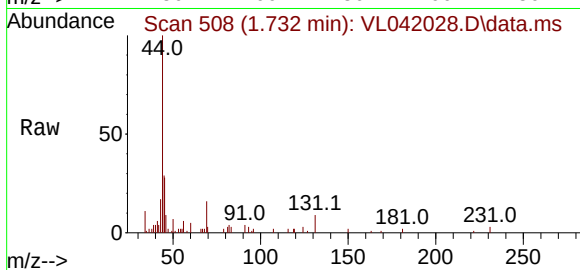
ClientSampleId :

Tgt Ion: 45 Resp: 1458

Ion Ratio Lower Upper

45 100

46 62.1 21.3 85.1



#14

Bromoethene

Concen: 0.391 ppbv

RT: 1.787 min Scan# 525

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

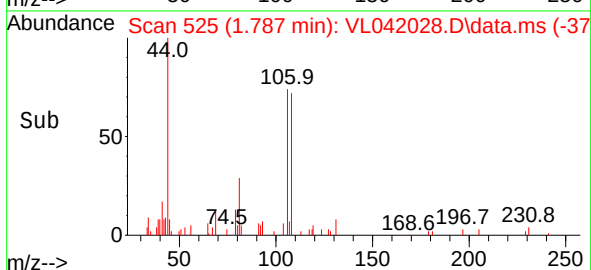
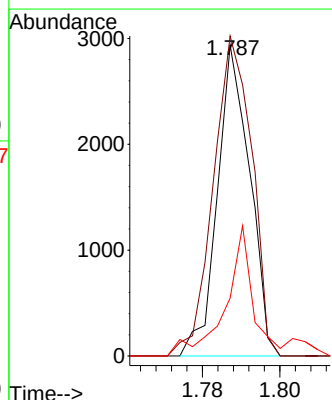
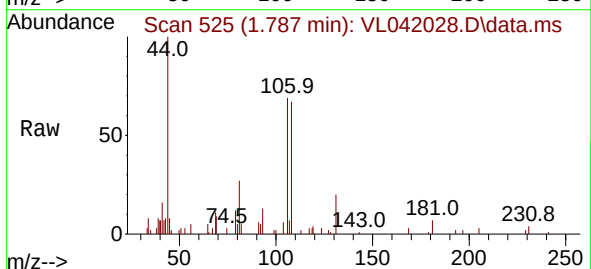
Tgt Ion:108 Resp: 1709

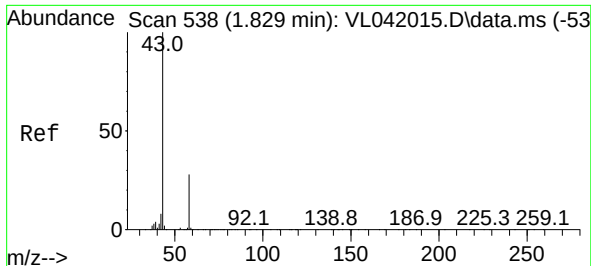
Ion Ratio Lower Upper

108 100

106 121.9 85.0 127.6

79 38.8 17.3 25.9#

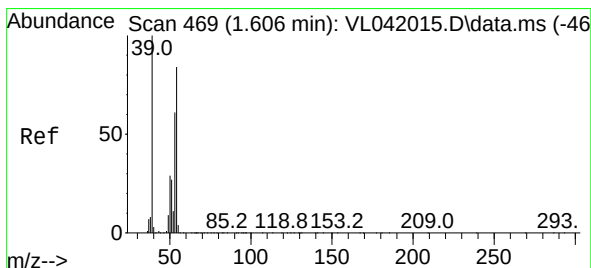
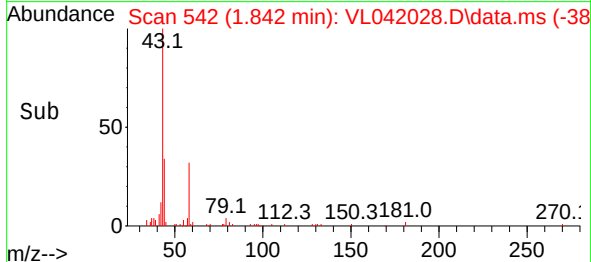
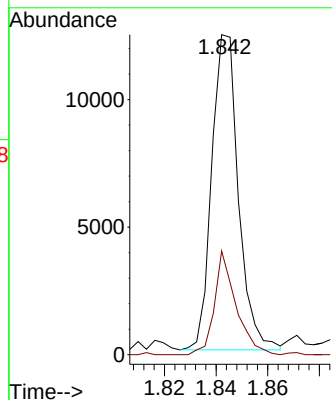
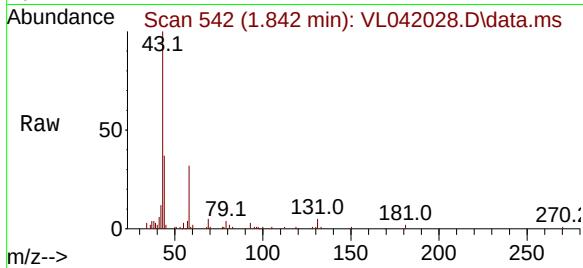




#15
Acetone
Concen: 0.621 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

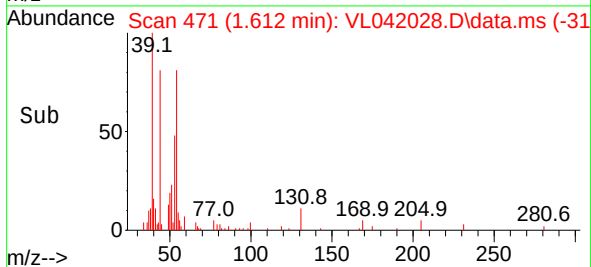
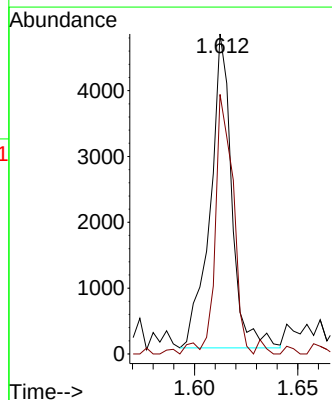
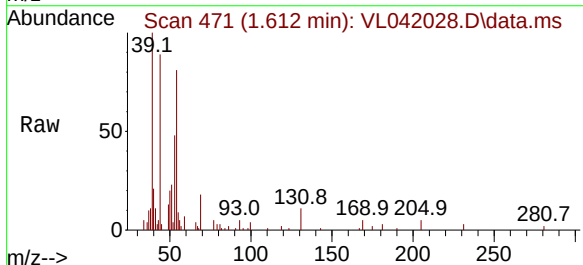
Instrument :
MSVOA_L
ClientSampleId :

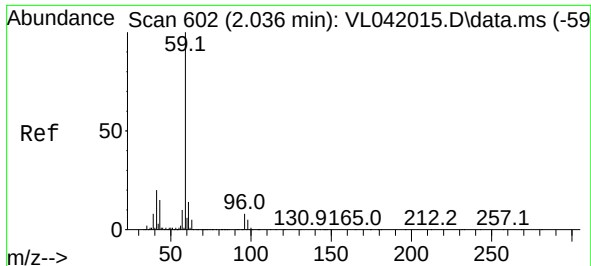
Tgt Ion: 43 Resp: 8878
Ion Ratio Lower Upper
43 100
58 26.9 22.9 34.3



#16
1,3-Butadiene
Concen: 0.512 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

Tgt Ion: 39 Resp: 3474
Ion Ratio Lower Upper
39 100
54 71.1 59.4 89.2

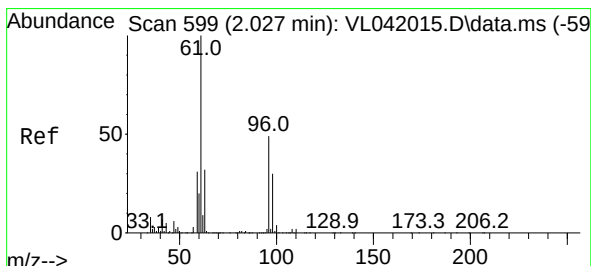
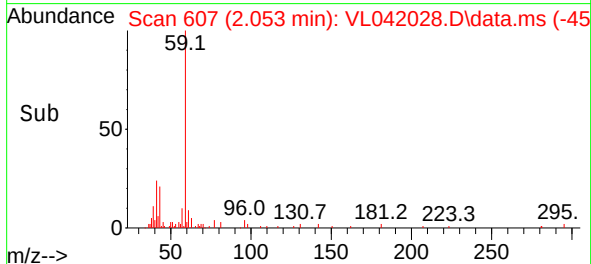
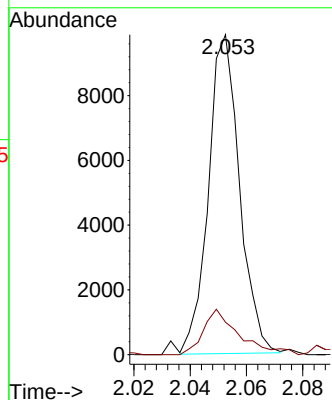
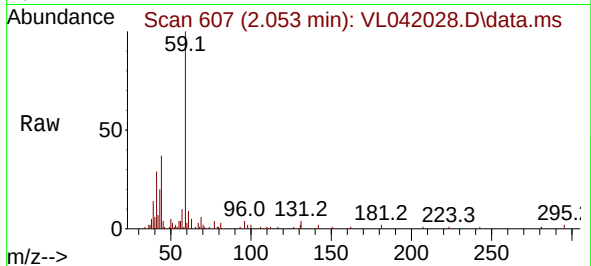




#17
tert-Butyl alcohol
Concen: 0.427 ppbv
RT: 2.053 min Scan# 60
Delta R.T. 0.004 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

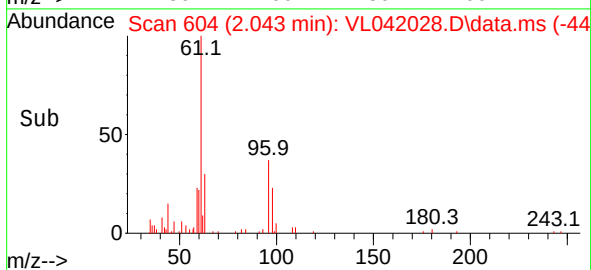
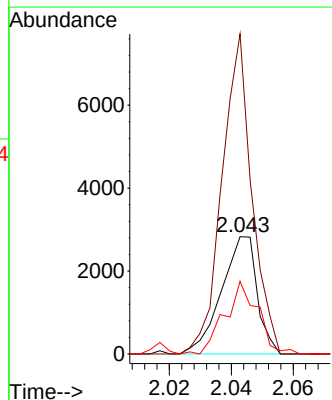
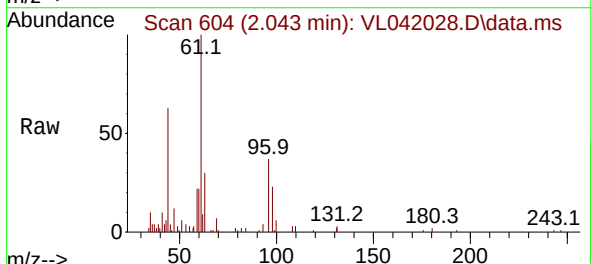
Instrument :
MSVOA_L
ClientSampleId :

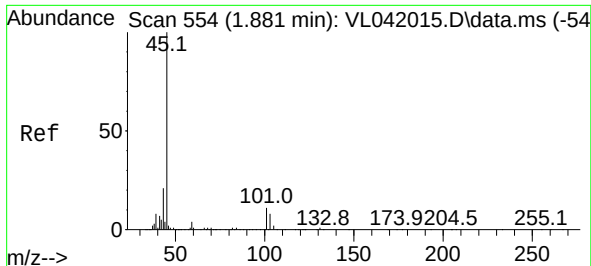
Tgt Ion: 59 Resp: 7559
Ion Ratio Lower Upper
59 100
57 16.4 9.2 13.8#



#18
1,1-Dichloroethene
Concen: 0.405 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

Tgt Ion: 96 Resp: 2264
Ion Ratio Lower Upper
96 100
61 273.0 163.5 245.3#
98 61.9 49.4 74.0





#19

Isopropyl Alcohol

Concen: 0.525 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

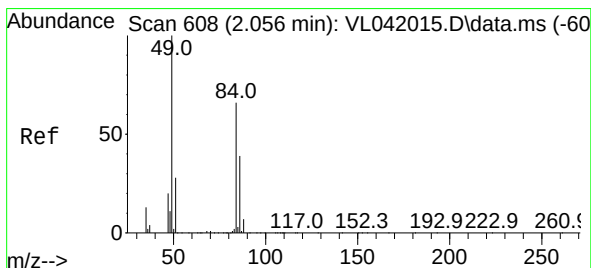
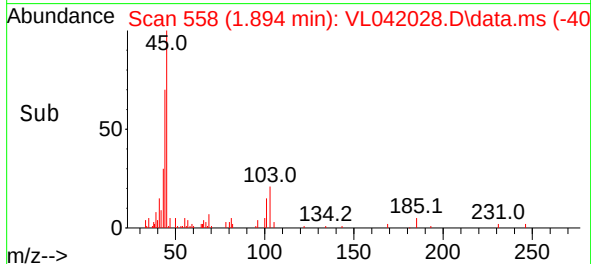
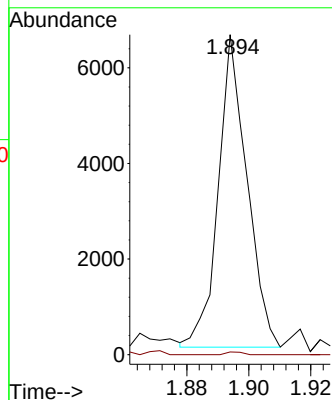
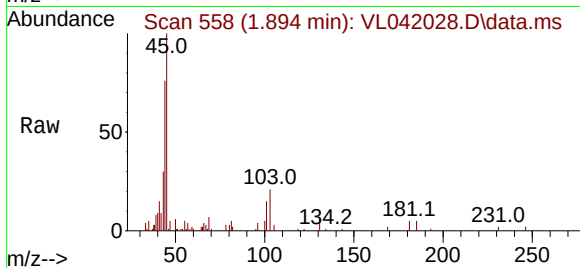
ClientSampleId :

Tgt Ion: 45 Resp: 4211

Ion Ratio Lower Upper

45 100

58 3.0 36.2 54.4#



#20

Methylene Chloride

Concen: 0.694 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.004 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Tgt Ion: 84 Resp: 3735

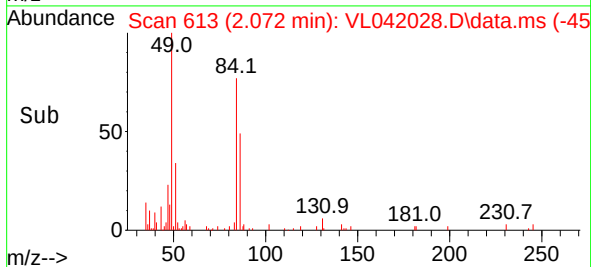
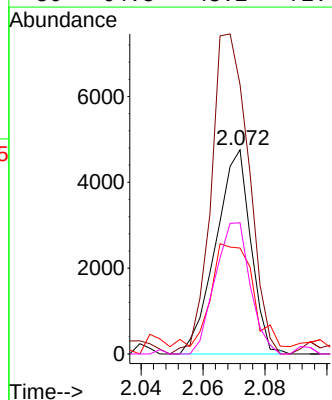
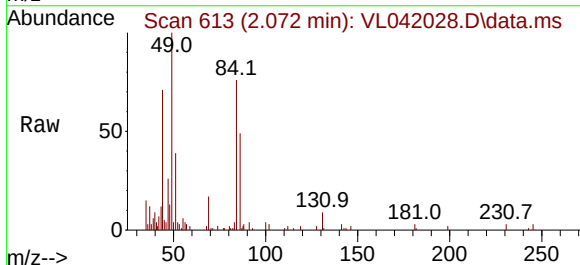
Ion Ratio Lower Upper

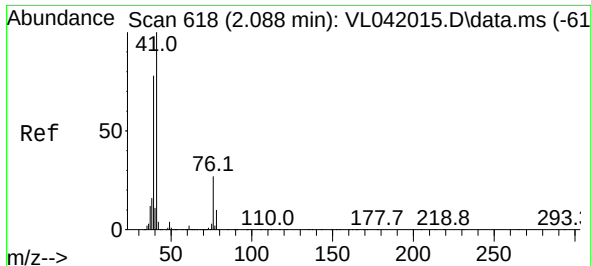
84 100

49 131.9 121.0 181.4

51 48.0 35.1 52.7

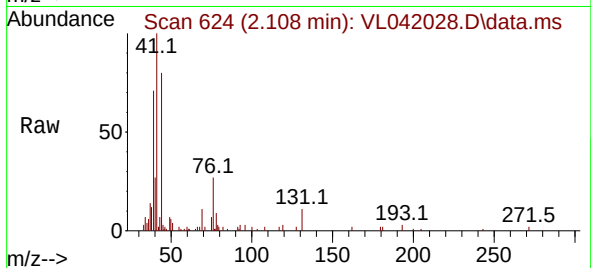
86 64.3 48.2 72.4



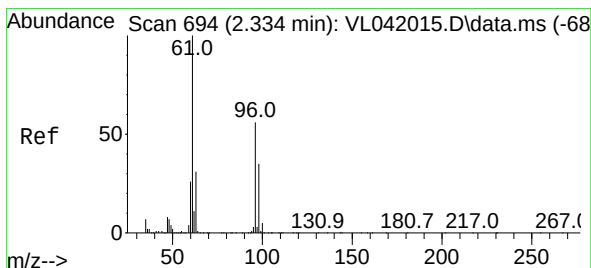
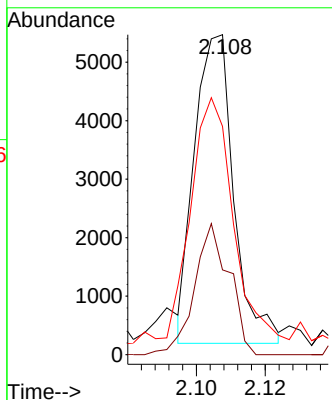
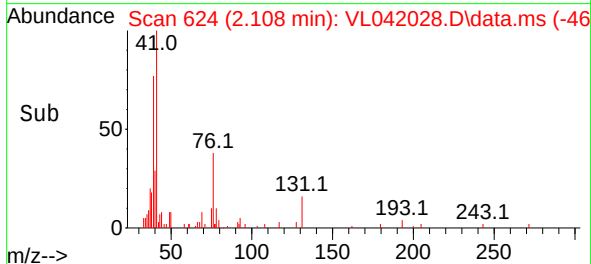


#21
 Allyl Chloride
 Concen: 0.405 ppbv
 RT: 2.108 min Scan# 618
 Delta R.T. 0.004 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

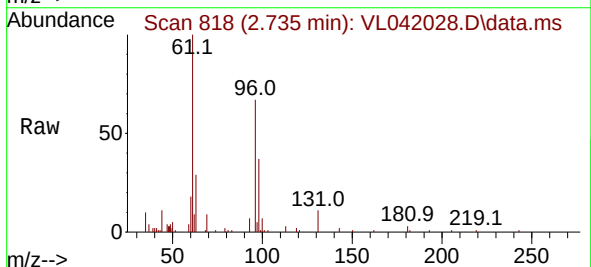
Instrument :
 MSVOA_L
 ClientSampleId :



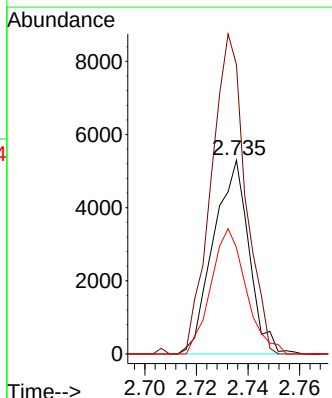
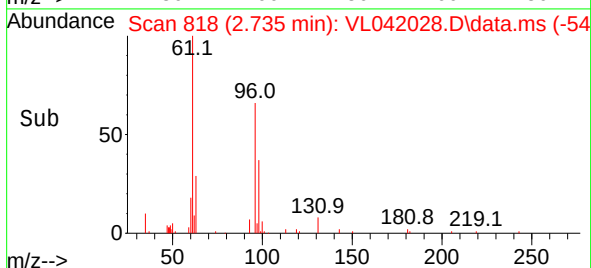
Tgt Ion: 41 Resp: 4191
 Ion Ratio Lower Upper
 41 100
 76 37.5 23.7 35.5#
 39 111.2 63.0 94.6#

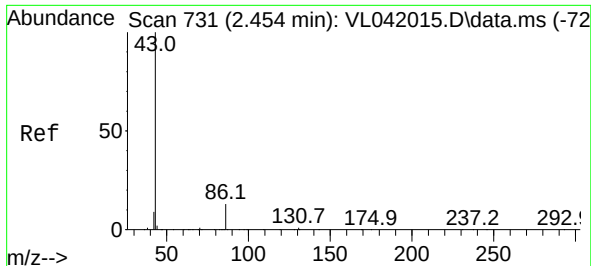


#22
 trans-1,2-Dichloroethene
 Concen: 0.833 ppbv
 RT: 2.735 min Scan# 818
 Delta R.T. 0.386 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48



Tgt Ion: 96 Resp: 5055
 Ion Ratio Lower Upper
 96 100
 61 149.3 142.3 213.5
 98 54.9 50.2 75.2

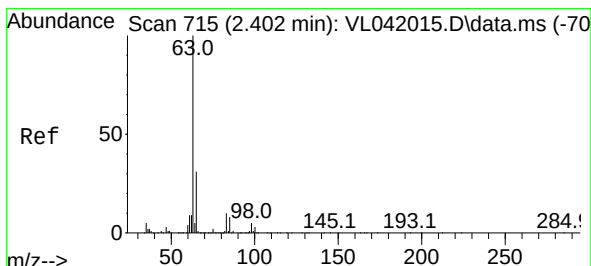
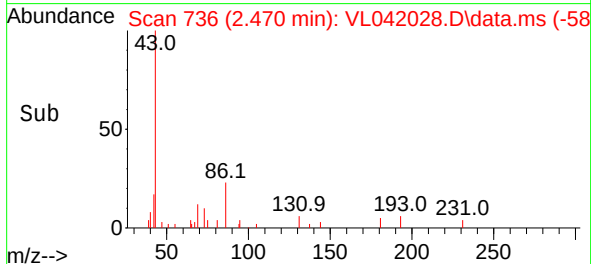
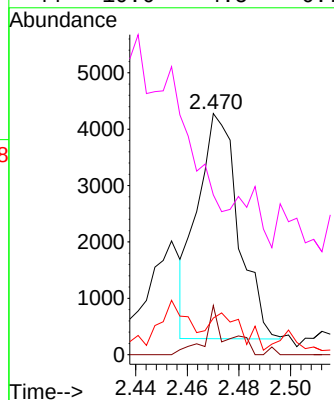
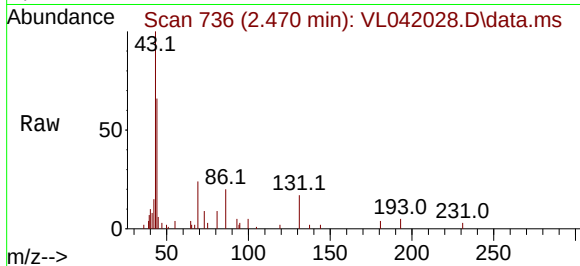




#23
 Vinyl Acetate
 Concen: 0.570 ppbv
 RT: 2.470 min Scan# 710
 Delta R.T. -0.003 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

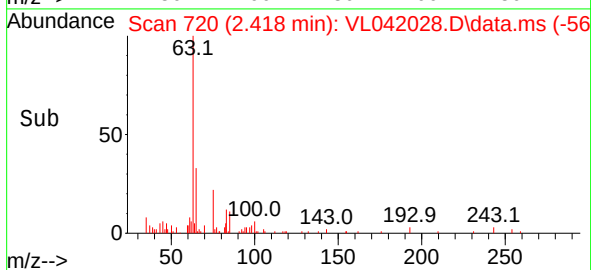
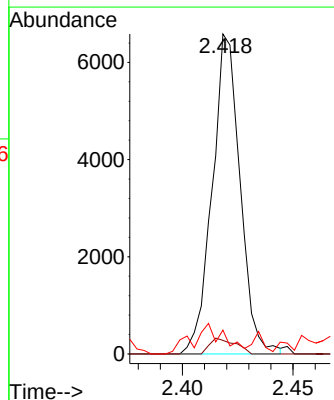
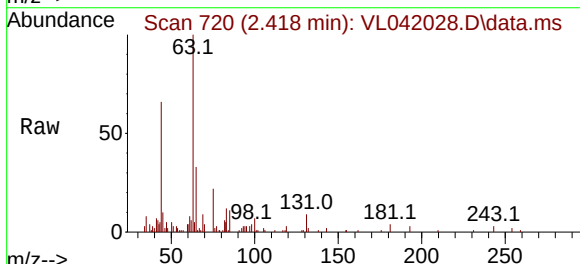
Instrument :
 MSVOA_1
 ClientSampleId :

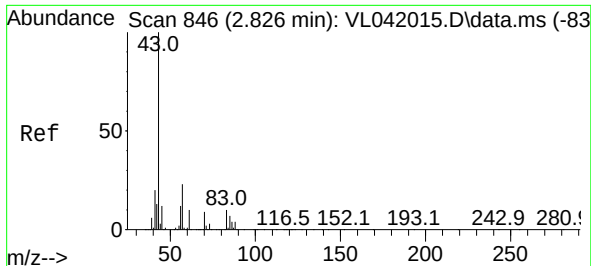
Tgt	Ion: 43	Resp:	4414
Ion	Ratio	Lower	Upper
43	100		
86	22.0	8.1	12.1#
42	10.1	7.5	11.3
44	10.6	4.5	6.7#



#24
 1,1-Dichloroethane
 Concen: 0.469 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

Tgt Ion: 63	Resp: 5774
Ion Ratio	Lower Upper
63 100	
98 4.3	2.4 7.2
100 3.8	1.6 4.8

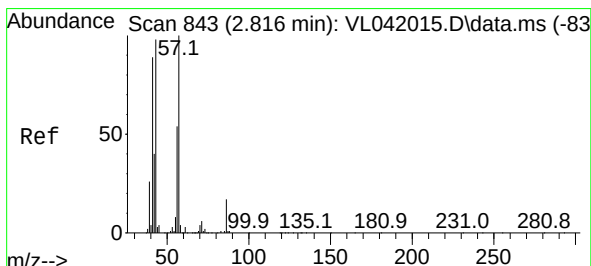
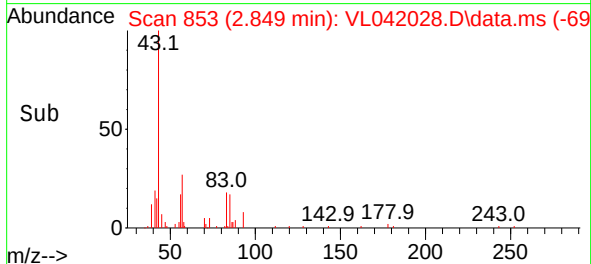
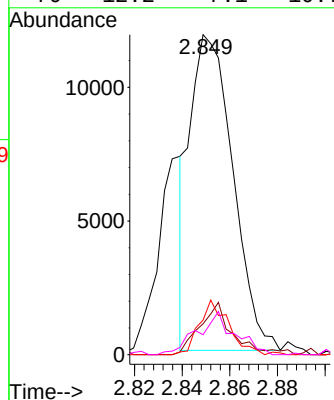
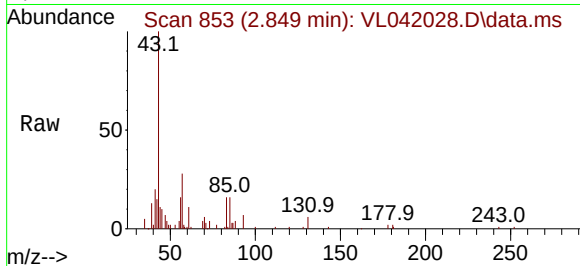




#25
Ethyl Acetate
Concen: 0.375 ppbv
RT: 2.849 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

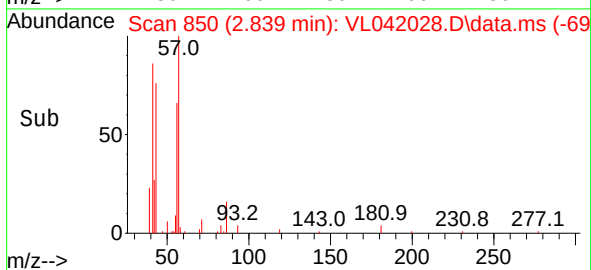
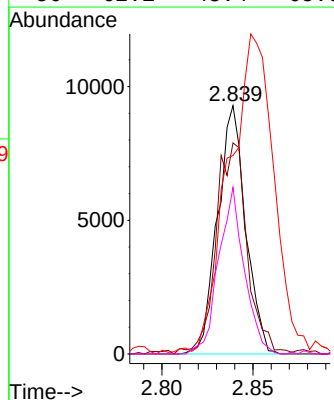
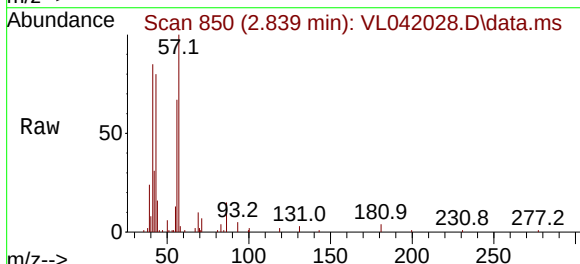
Instrument :
MSVOA_L
ClientSampleId :

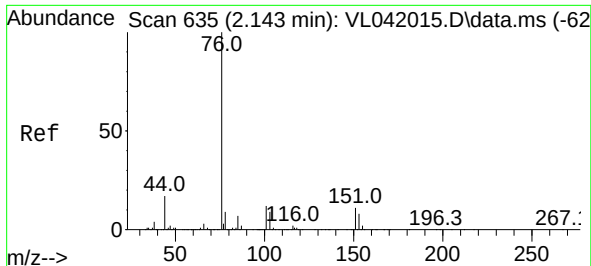
Tgt Ion: 43	Resp: 14726
Ion Ratio	Lower Upper
43	100
45	13.5 8.1 12.1#
61	12.2 7.5 11.3#
70	12.2 7.1 10.7#



#26
Hexane
Concen: 0.629 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

Tgt Ion: 57	Resp: 9904
Ion Ratio	Lower Upper
57	100
41	97.0 73.2 109.8
43	211.3 200.8 301.2
56	62.1 43.4 65.0

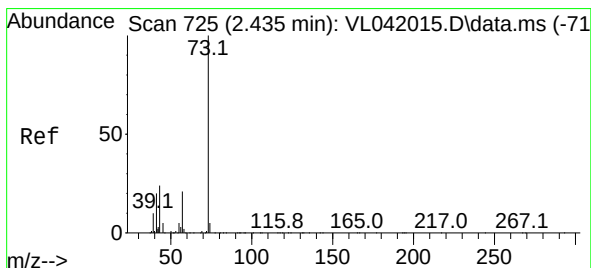
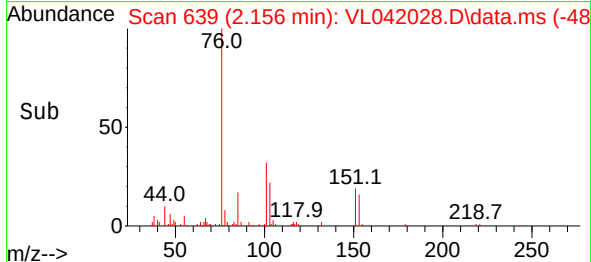
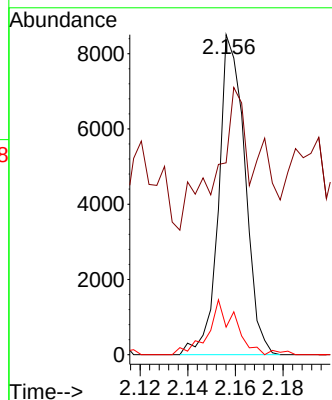
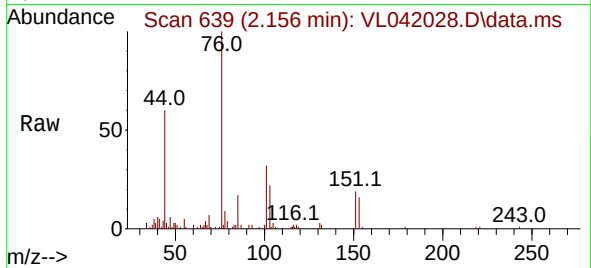




#27
Carbon Disulfide
Concen: 0.439 ppbv
RT: 2.156 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

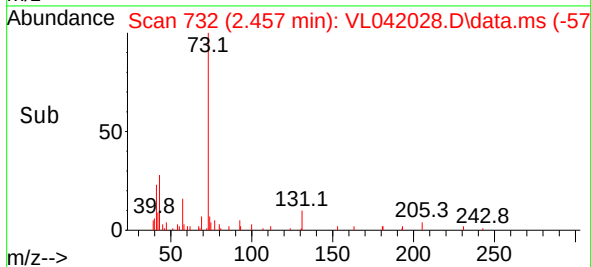
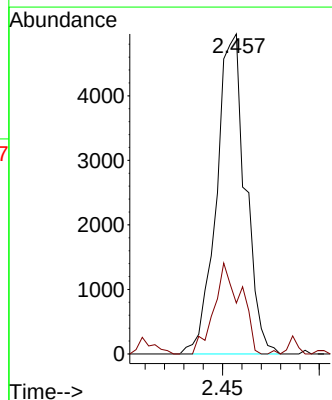
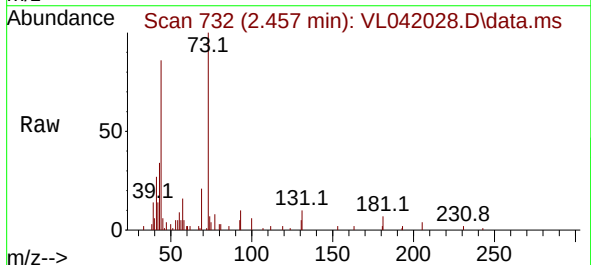
Instrument :
MSVOA_L
ClientSampleId :

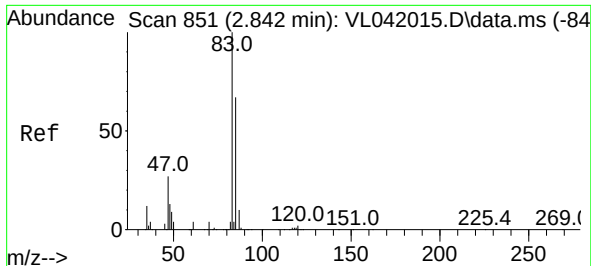
Tgt Ion: 76 Resp: 6502
Ion Ratio Lower Upper
76 100
44 166.9 18.1 27.1#
78 18.2 9.5 14.3#



#28
Methyl tert-Butyl Ether
Concen: 0.536 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.004 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

Tgt Ion: 73 Resp: 5159
Ion Ratio Lower Upper
73 100
57 26.4 18.3 27.5





#29

Chloroform

Concen: 0.489 ppbv

RT: 2.858 min Scan# 851

Delta R.T. -0.003 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

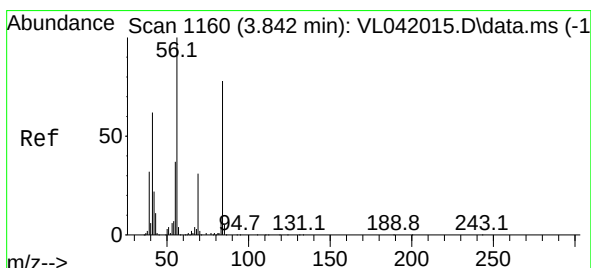
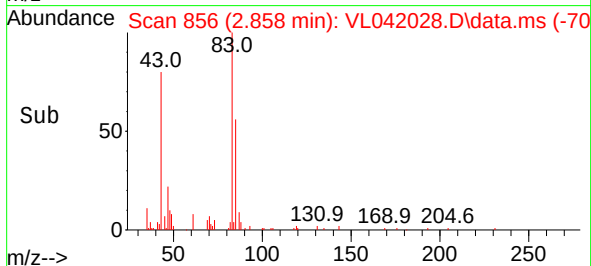
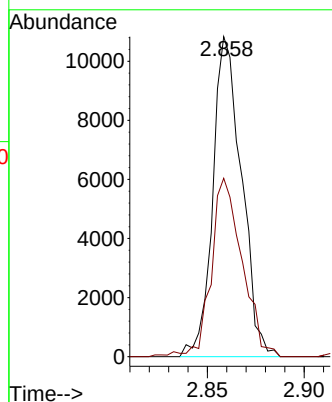
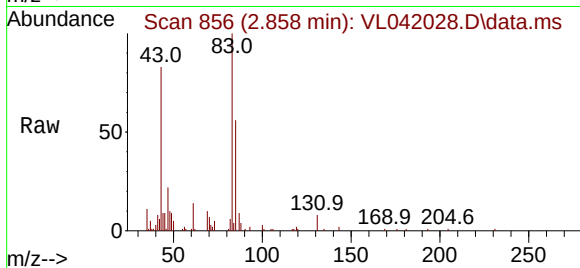
ClientSampleId :

Tgt Ion: 83 Resp: 11149

Ion Ratio Lower Upper

83 100

85 55.8 53.8 80.6



#30

Cyclohexane

Concen: 0.513 ppbv

RT: 3.872 min Scan# 1169

Delta R.T. -0.003 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

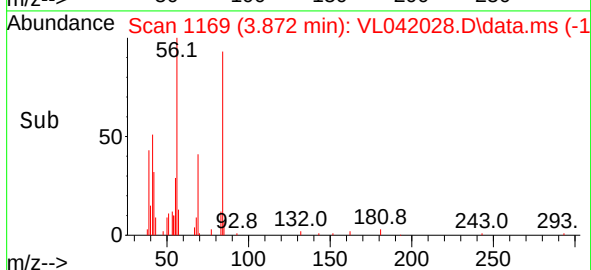
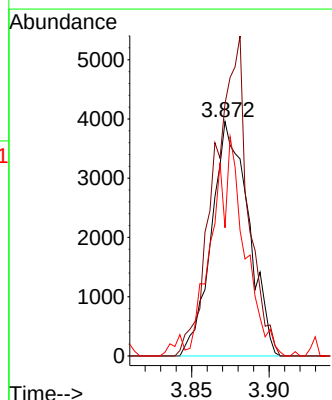
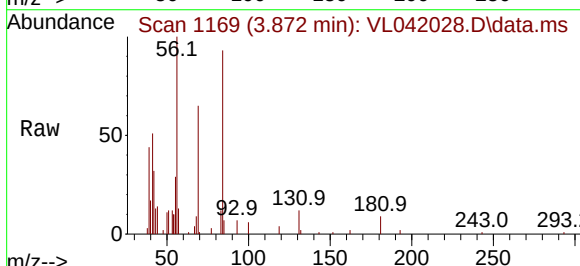
Tgt Ion: 84 Resp: 6552

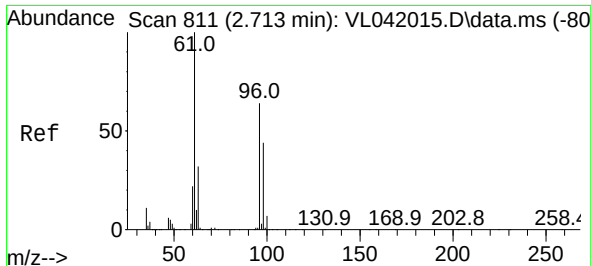
Ion Ratio Lower Upper

84 100

56 124.4 99.5 149.3

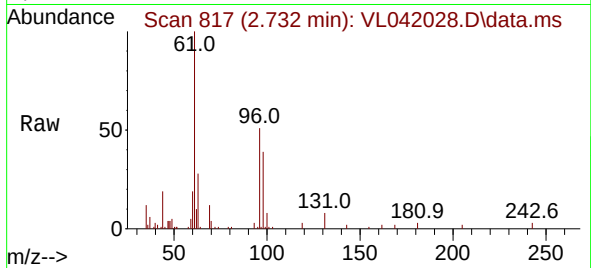
41 84.7 62.2 93.2



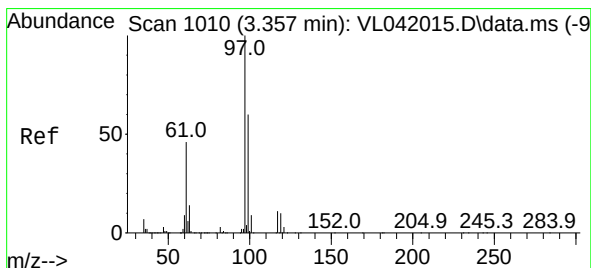
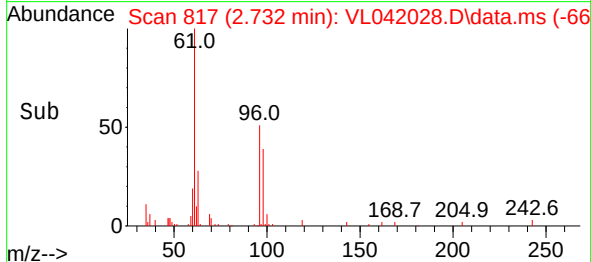
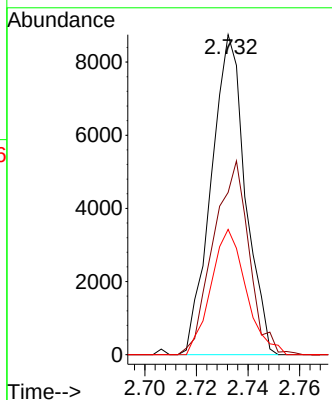


#31
 cis-1,2-Dichloroethene
 Concen: 0.518 ppbv
 RT: 2.732 min Scan# 811
 Delta R.T. 0.000 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

Instrument :
 MSVOA_L
 ClientSampleId :

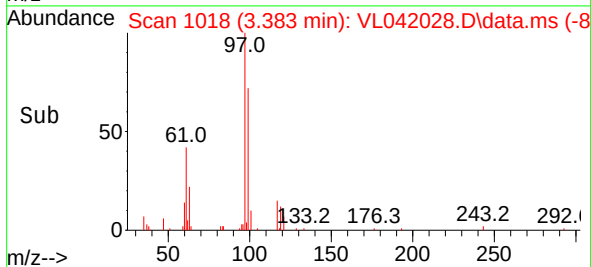
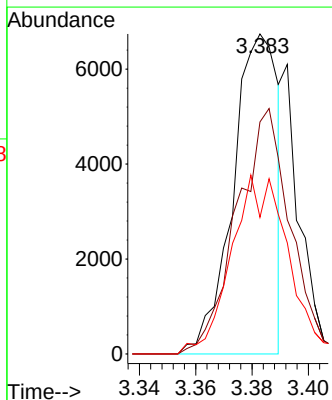
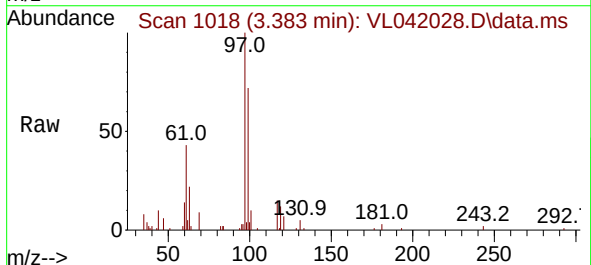


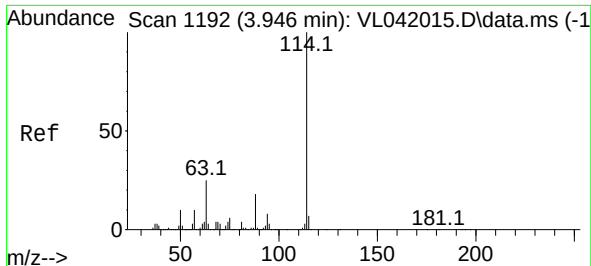
Tgt Ion: 61 Resp: 8063
 Ion Ratio Lower Upper
 61 100
 96 50.7 51.6 77.4#
 98 39.2 34.8 52.2



#32
 1,1,1-Trichloroethane
 Concen: 0.295 ppbv
 RT: 3.383 min Scan# 1018
 Delta R.T. 0.000 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

Tgt Ion: 97 Resp: 7454
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.0 76.4#
 61 70.2 37.9 56.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

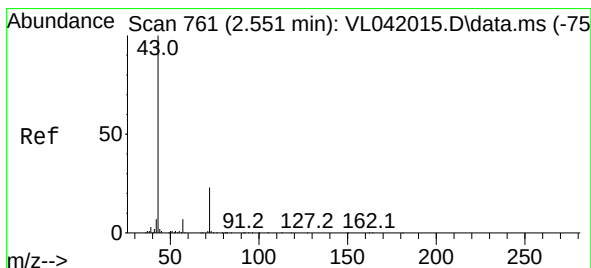
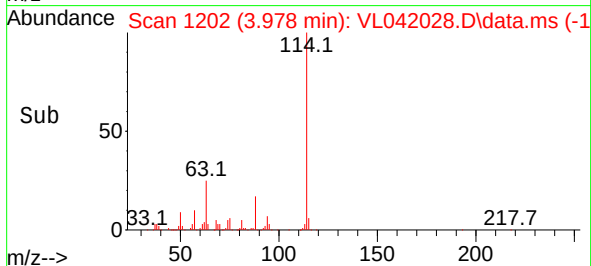
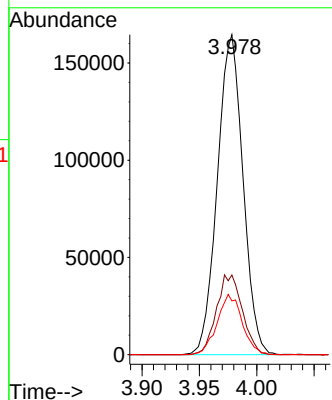
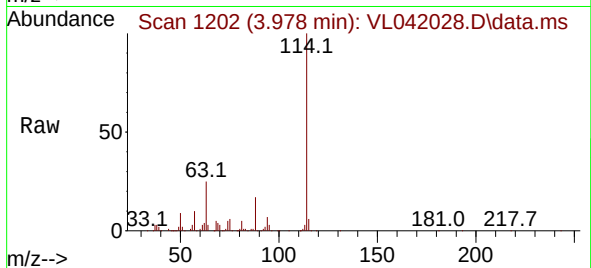
Tgt Ion:114 Resp: 255732

Ion Ratio Lower Upper

114 100

63 25.3 20.2 30.2

88 18.4 14.4 21.6



#34

2-Butanone

Concen: 0.473 ppbv

RT: 2.574 min Scan# 768

Delta R.T. 0.004 min

Lab File: VL042028.D

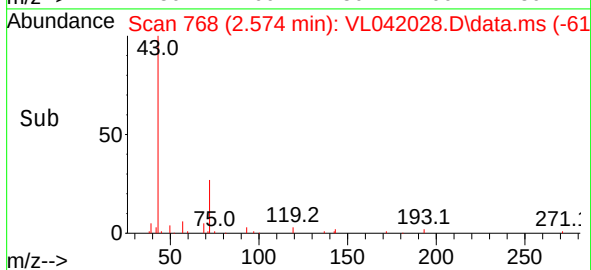
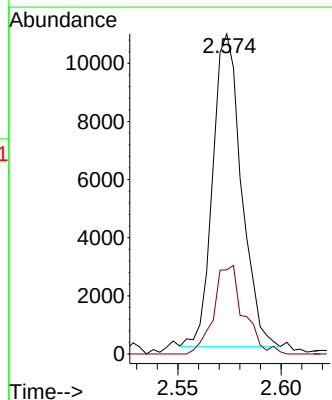
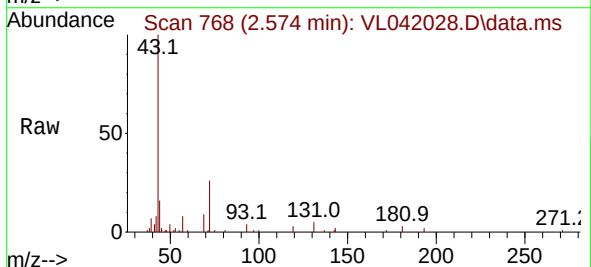
Acq: 17 Feb 2025 13:48

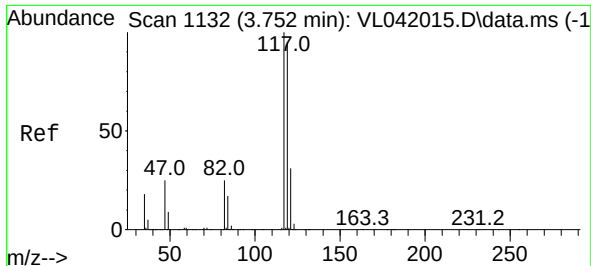
Tgt Ion: 43 Resp: 10409

Ion Ratio Lower Upper

43 100

72 29.3 18.3 27.5#





#35

Carbon Tetrachloride

Concen: 0.434 ppbv

RT: 3.784 min Scan# 1110

Delta R.T. 0.004 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

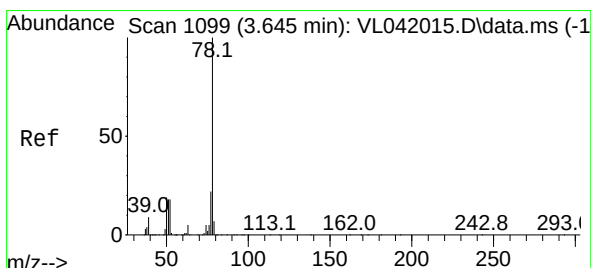
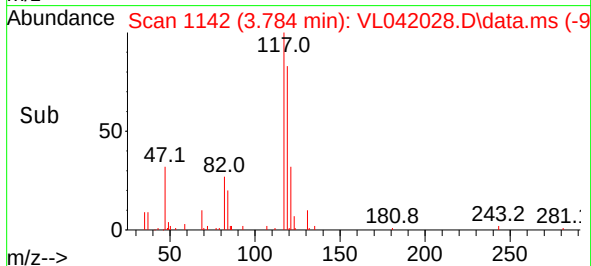
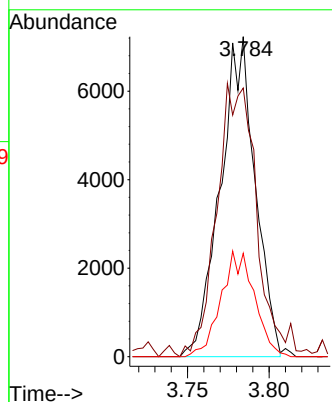
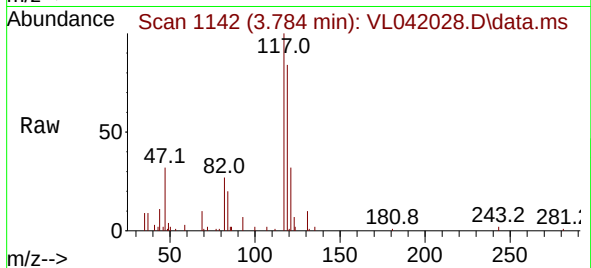
Tgt Ion:117 Resp: 10774

Ion Ratio Lower Upper

117 100

119 84.0 75.8 113.6

121 32.3 24.6 36.8



#36

Benzene

Concen: 0.157 ppbv

RT: 3.681 min Scan# 1110

Delta R.T. 0.007 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

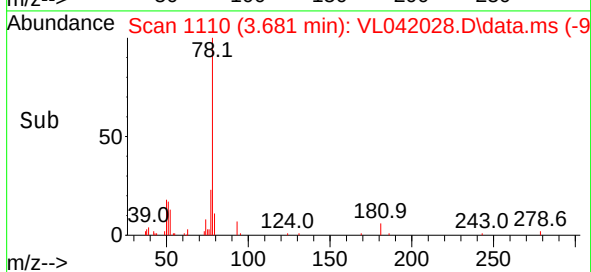
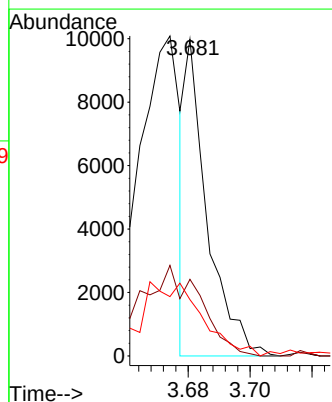
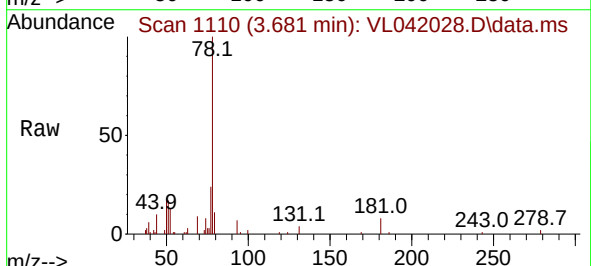
Tgt Ion: 78 Resp: 4852

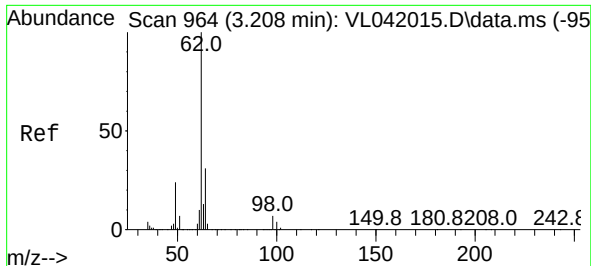
Ion Ratio Lower Upper

78 100

77 24.2 18.0 27.0

50 16.4 15.2 22.8





#37

1,2-Dichloroethane

Concen: 0.482 ppbv

RT: 3.234 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

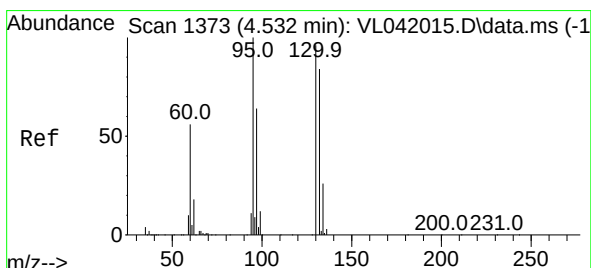
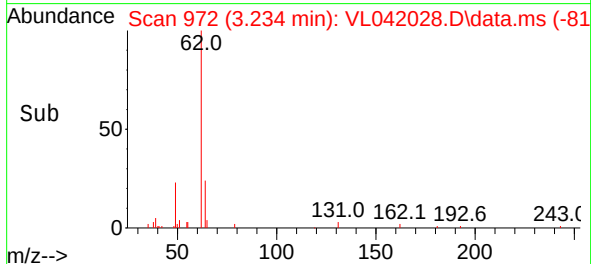
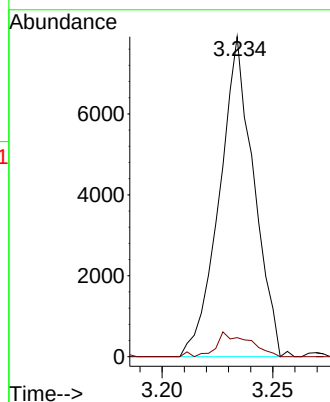
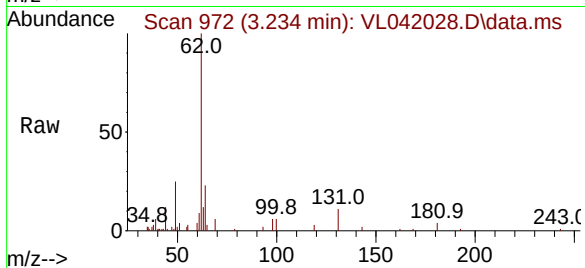
ClientSampleId :

Tgt Ion: 62 Resp: 8506

Ion Ratio Lower Upper

62 100

98 7.5 5.7 8.5



#38

Trichloroethene

Concen: 0.400 ppbv

RT: 4.571 min Scan# 1385

Delta R.T. 0.004 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Tgt Ion:130 Resp: 5032

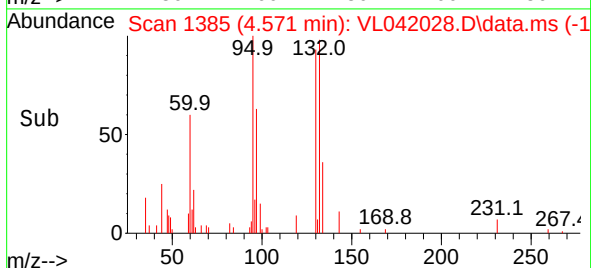
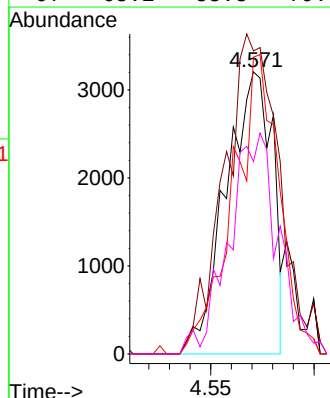
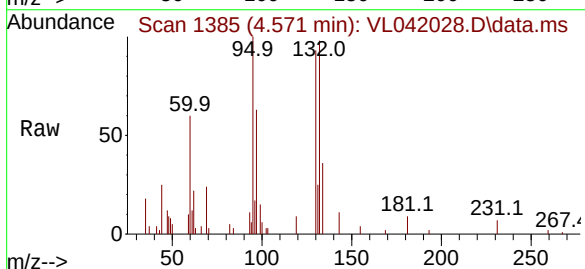
Ion Ratio Lower Upper

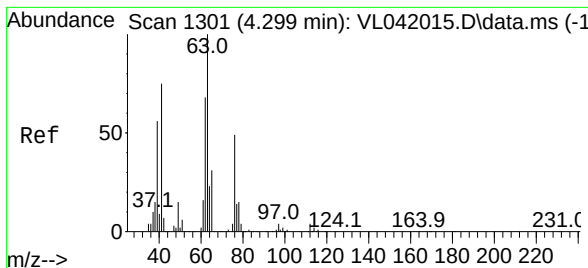
130 100

95 107.5 82.8 124.2

132 105.2 70.0 105.0#

97 68.2 53.3 79.9





#39

1,2-Dichloropropane

Concen: 0.246 ppbv

RT: 4.334 min Scan# 1403

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_1

ClientSampleId :

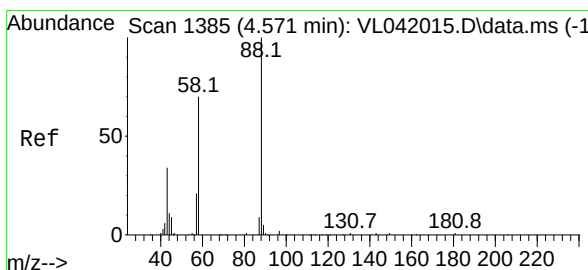
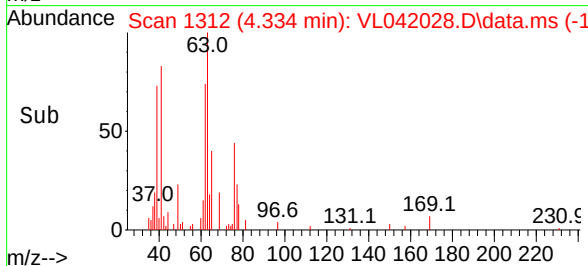
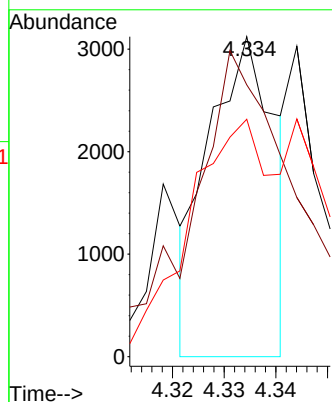
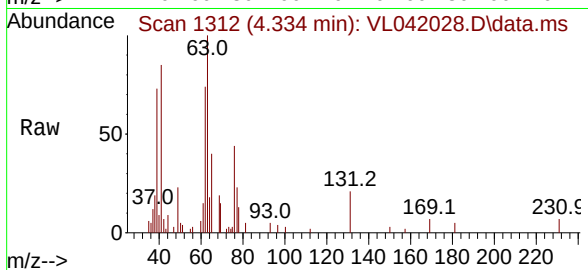
Tgt Ion: 63 Resp: 2793

Ion Ratio Lower Upper

63 100

41 131.9 60.1 90.1#

62 103.4 54.0 81.0#



#40

1,4-Dioxane

Concen: 0.198 ppbv

RT: 4.632 min Scan# 1404

Delta R.T. 0.023 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Tgt Ion: 88 Resp: 1169

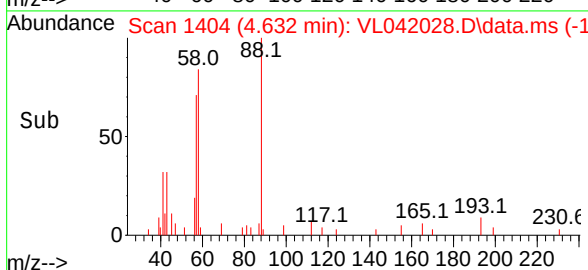
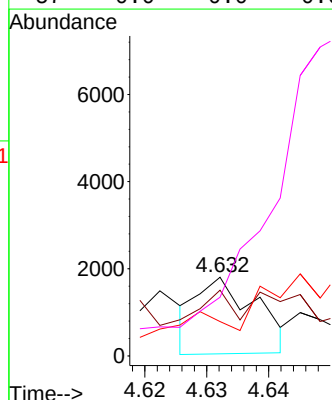
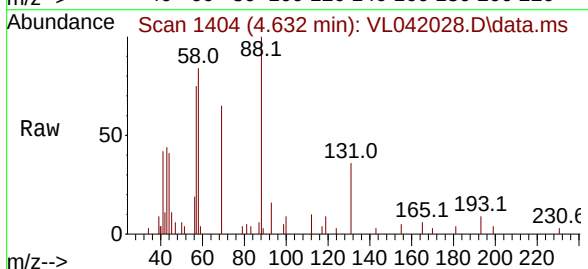
Ion Ratio Lower Upper

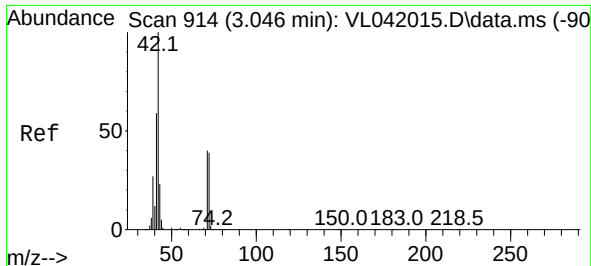
88 100

58 332.2 58.1 87.1#

43 0.0 27.3 40.9#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.275 ppbv

RT: 3.079 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

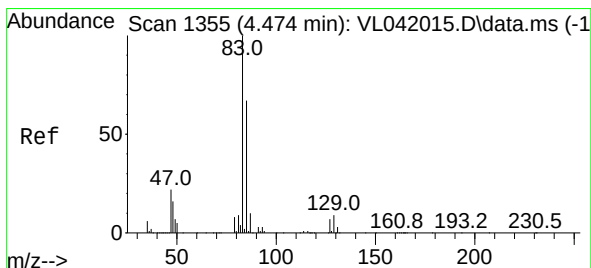
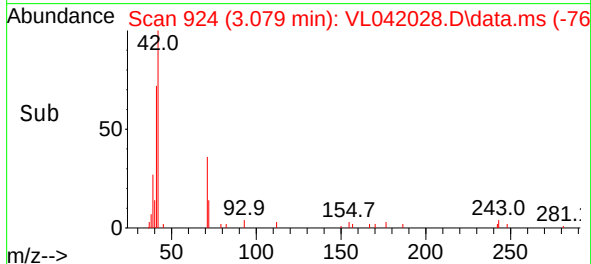
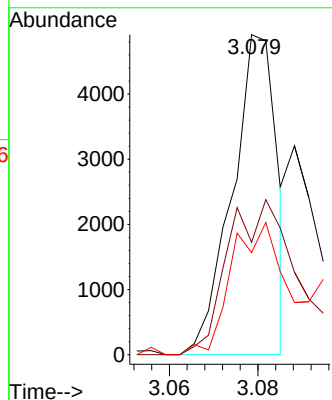
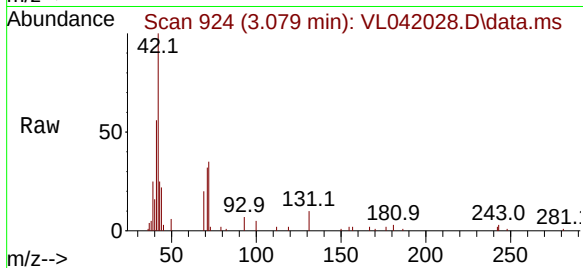
Tgt Ion: 42 Resp: 3456

Ion	Ratio	Lower	Upper
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42	100		
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72	81.0	32.3	48.5#
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71	68.4	30.9	46.3#
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#42

Bromodichloromethane

Concen: 0.466 ppbv

RT: 4.512 min Scan# 1367

Delta R.T. -0.003 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

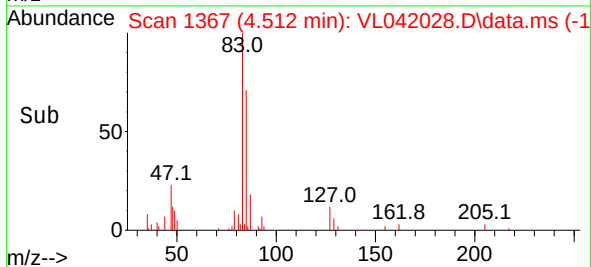
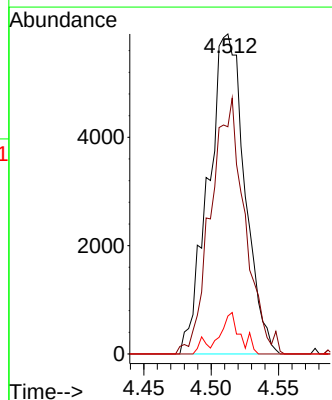
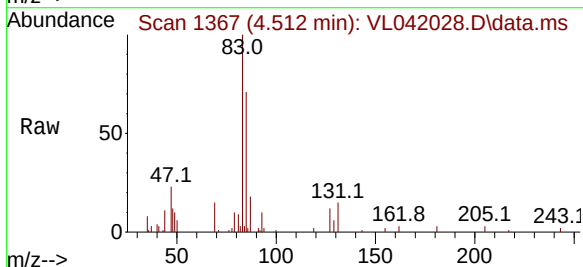
Tgt Ion: 83 Resp: 11129

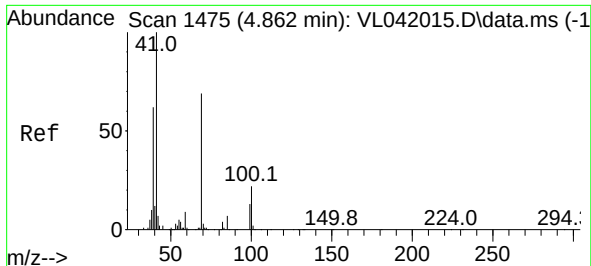
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

83	100		
----	-----	--	--

85	71.8	53.3	79.9
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127	11.9	6.0	9.0#
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#43

Methyl Methacrylate

Concen: 0.097 ppbv

RT: 4.904 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

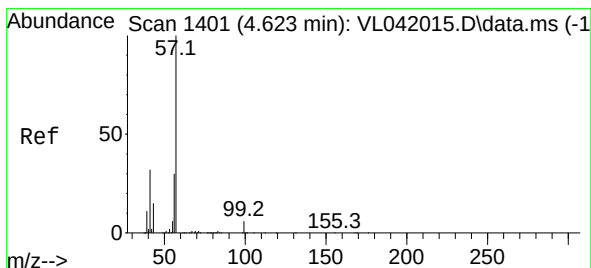
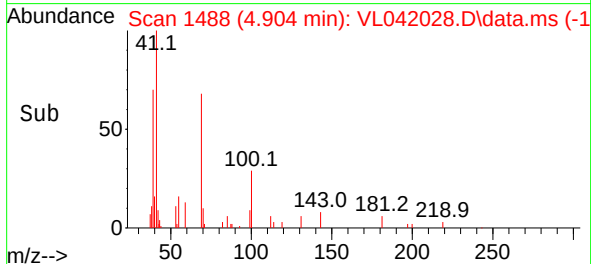
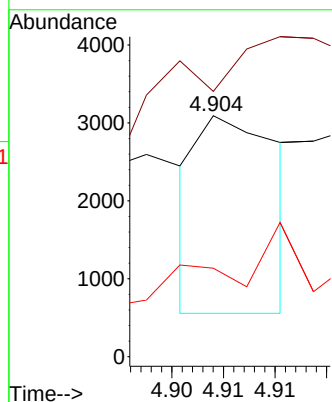
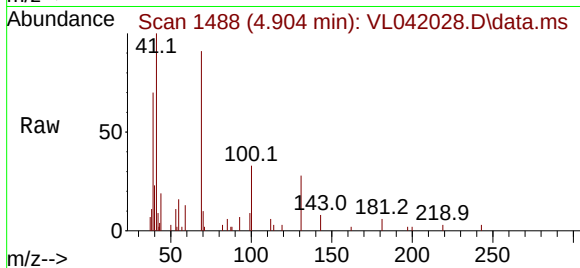
Tgt Ion: 69 Resp: 1369

Ion Ratio Lower Upper

69 100

41 652.9 114.9 172.3#

100 175.2 28.8 43.2#



#44

2,2,4-Trimethylpentane

Concen: 0.259 ppbv

RT: 4.661 min Scan# 1413

Delta R.T. -0.003 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

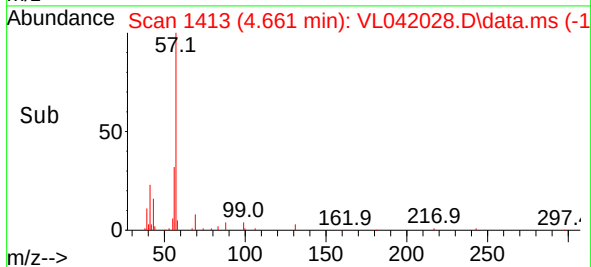
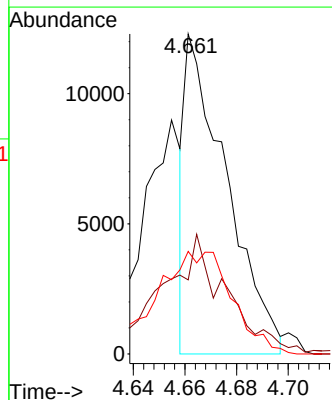
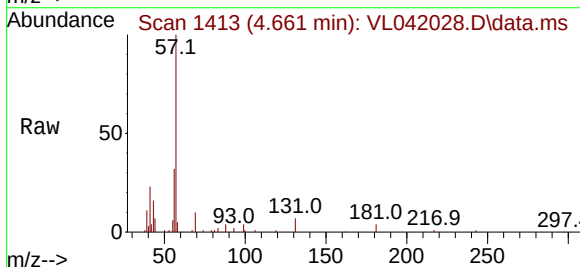
Tgt Ion: 57 Resp: 13604

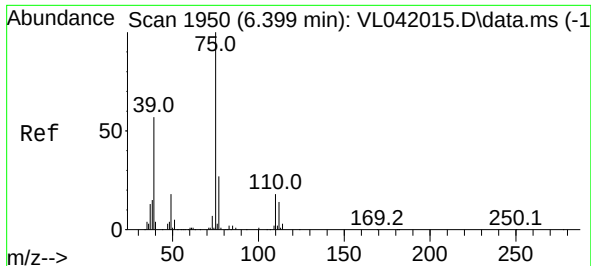
Ion Ratio Lower Upper

57 100

41 62.2 25.9 38.9#

56 60.1 24.9 37.3#





#45

t-1,3-Dichloropropene

Concen: 0.196 ppbv

RT: 6.435 min Scan# 1

Delta R.T. -0.009 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

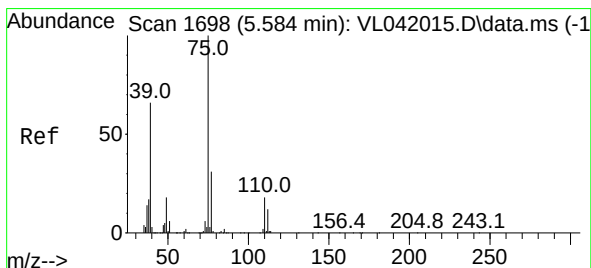
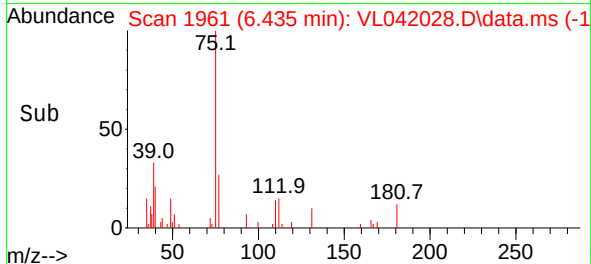
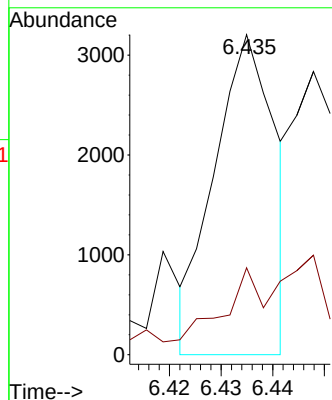
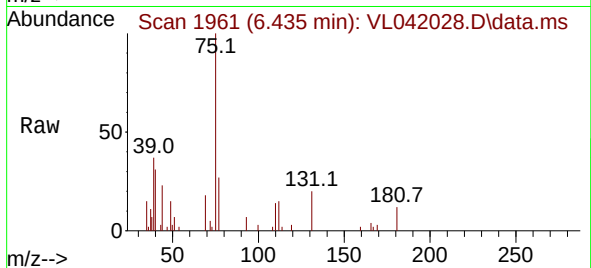
ClientSampleId :

Tgt Ion: 75 Resp: 2610

Ion Ratio Lower Upper

75 100

77 27.1 22.1 33.1



#46

cis-1,3-Dichloropropene

Concen: 0.118 ppbv

RT: 5.632 min Scan# 1713

Delta R.T. 0.004 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

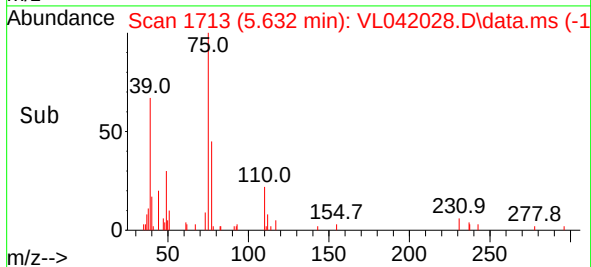
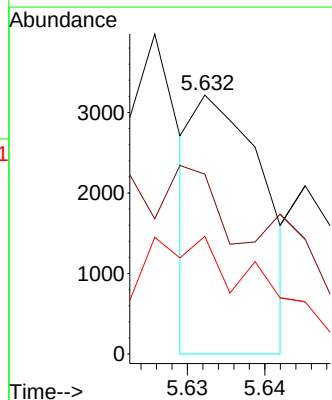
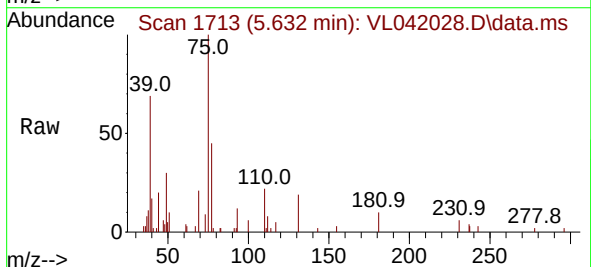
Tgt Ion: 75 Resp: 1997

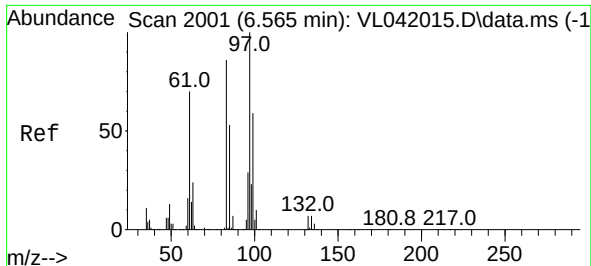
Ion Ratio Lower Upper

75 100

39 30.7 52.2 78.4#

77 47.3 24.5 36.7#





#47

1,1,2-Trichloroethane

Concen: 0.440 ppbv

RT: 6.613 min Scan# 2001

Delta R.T. 0.004 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 5260

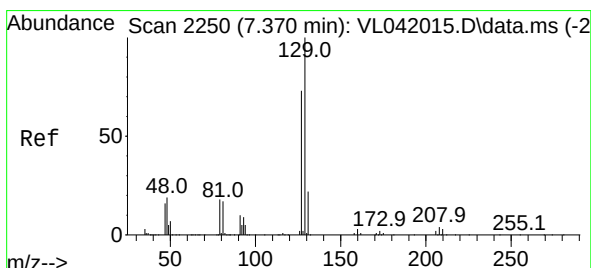
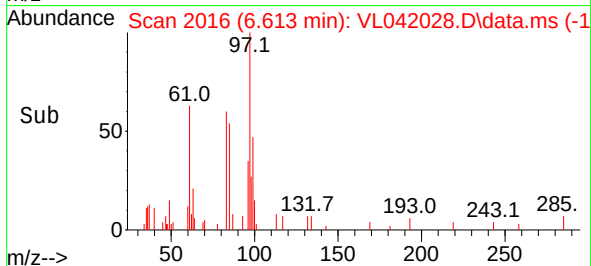
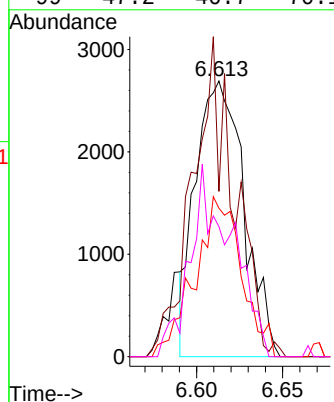
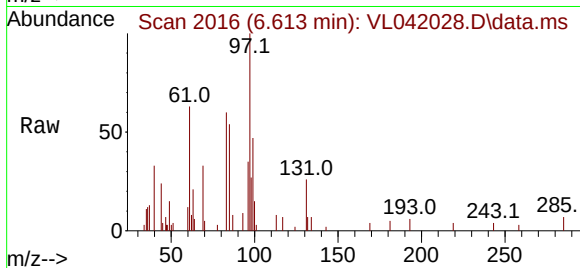
Ion Ratio Lower Upper

97 100

83 57.1 68.6 102.8#

85 53.9 42.2 63.4

99 47.2 46.7 70.1



#48

Dibromochloromethane

Concen: 0.443 ppbv

RT: 7.406 min Scan# 2261

Delta R.T. -0.003 min

Lab File: VL042028.D

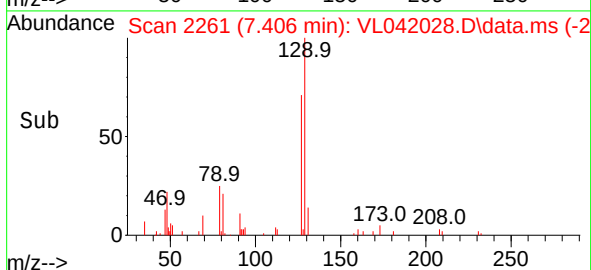
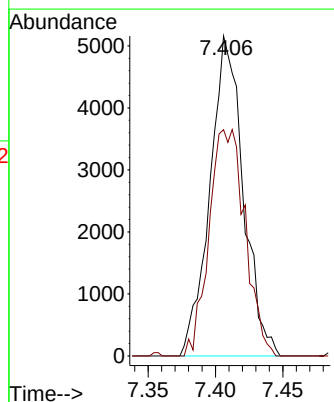
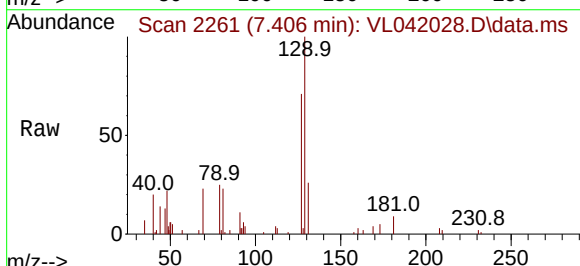
Acq: 17 Feb 2025 13:48

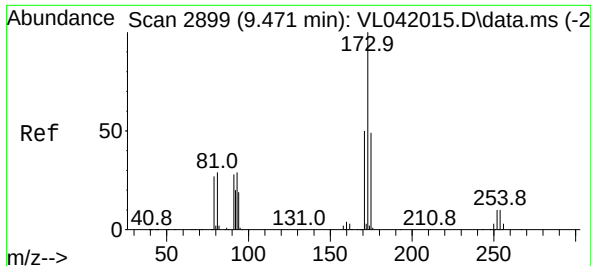
Tgt Ion: 129 Resp: 8871

Ion Ratio Lower Upper

129 100

127 76.7 38.2 114.6





#49

Bromoform

Concen: 0.408 ppbv

RT: 9.497 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

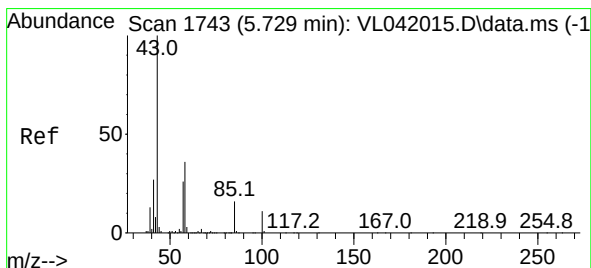
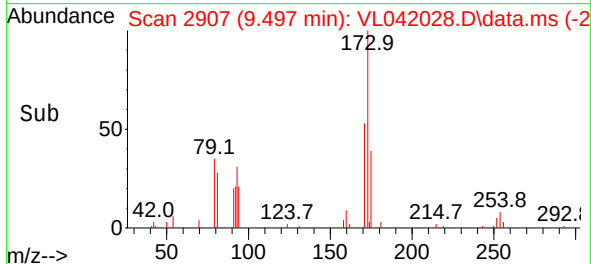
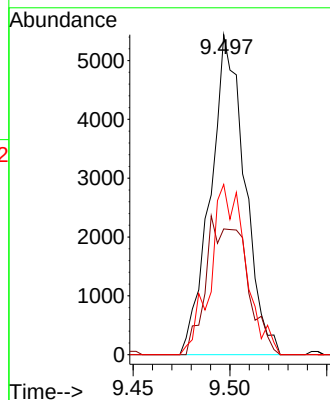
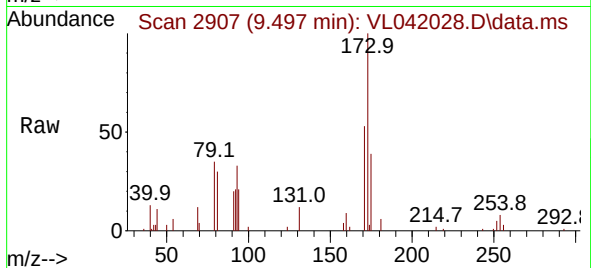
Tgt Ion:173 Resp: 6696

Ion Ratio Lower Upper

173 100

175 50.3 39.3 58.9

171 54.2 41.4 62.2



#50

4-Methyl-2-Pentanone

Concen: 0.289 ppbv

RT: 5.794 min Scan# 1763

Delta R.T. 0.010 min

Lab File: VL042028.D

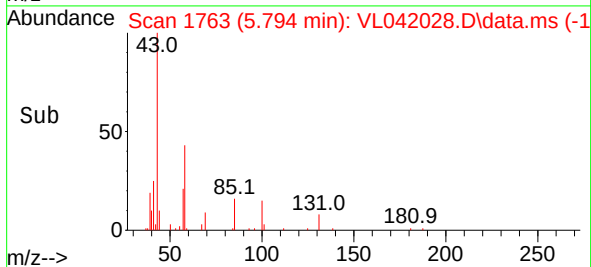
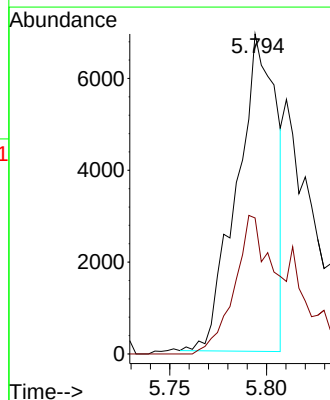
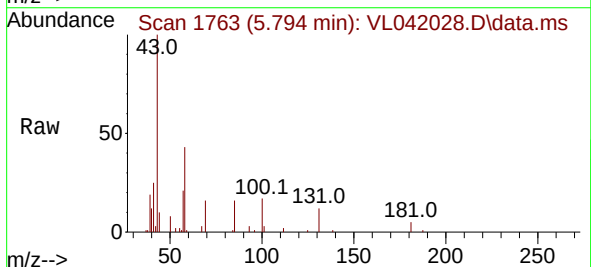
Acq: 17 Feb 2025 13:48

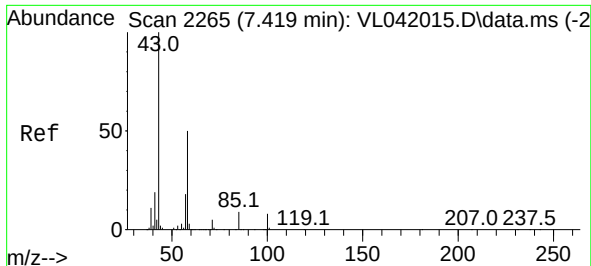
Tgt Ion: 43 Resp: 9783

Ion Ratio Lower Upper

43 100

58 63.4 29.4 44.0#

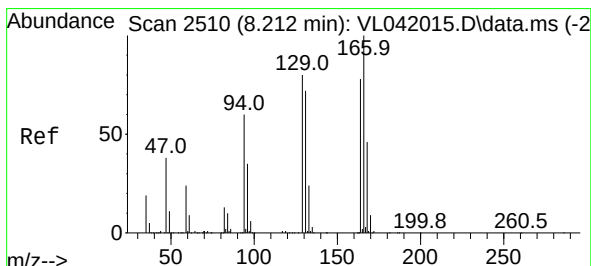
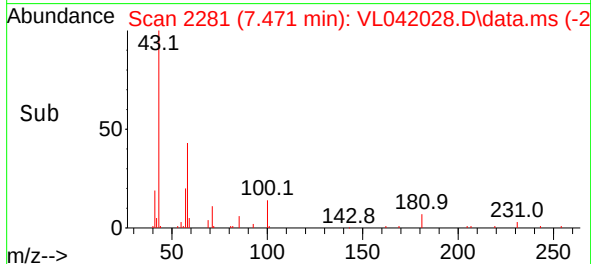
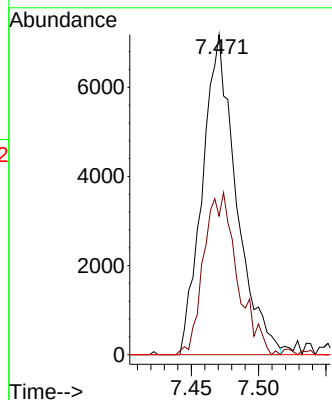
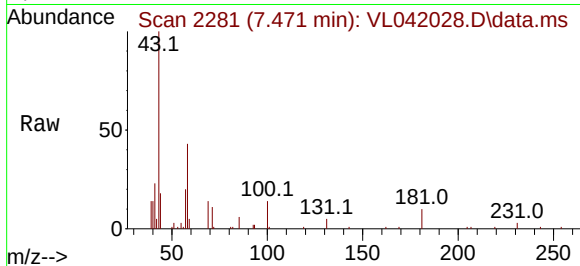




#51
2-Hexanone
Concen: 0.454 ppbv
RT: 7.471 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

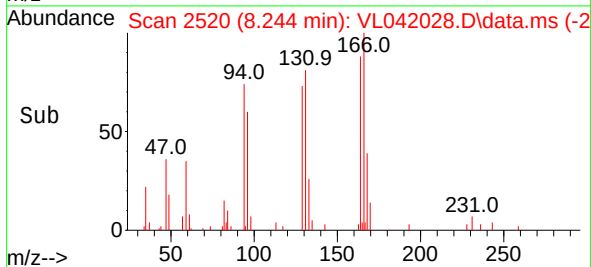
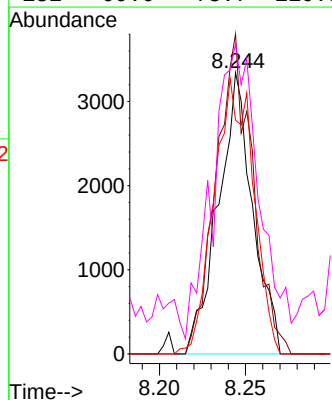
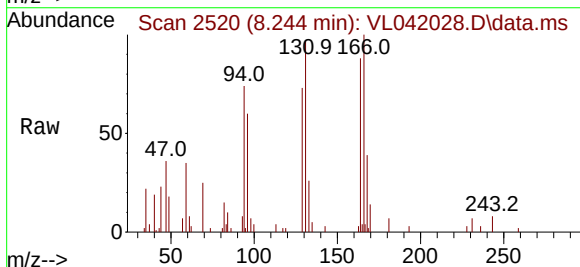
Instrument :
MSVOA_L
ClientSampleId :

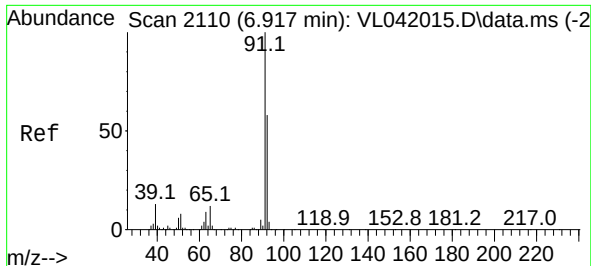
Tgt Ion: 43 Resp: 12563
Ion Ratio Lower Upper
43 100
58 51.0 41.4 62.0
98 0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 0.430 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

Tgt Ion:164 Resp: 4642
Ion Ratio Lower Upper
164 100
166 113.8 102.2 153.2
129 83.1 82.2 123.4
131 99.0 73.7 110.5





#53

Toluene

Concen: 0.432 ppbv

RT: 6.956 min Scan# 2110

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

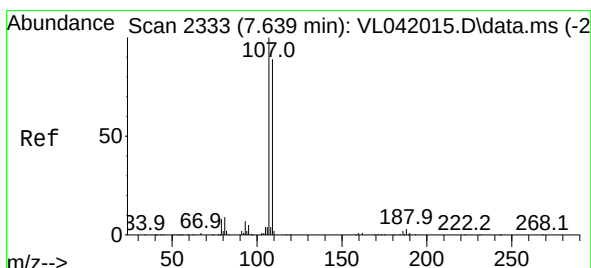
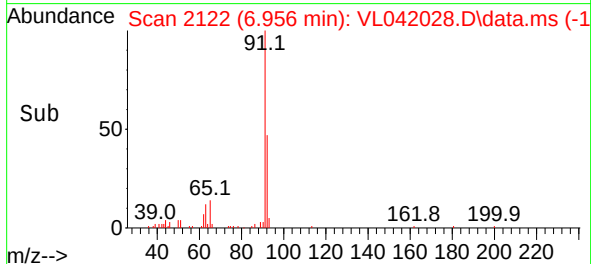
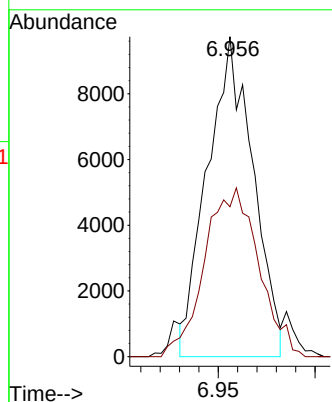
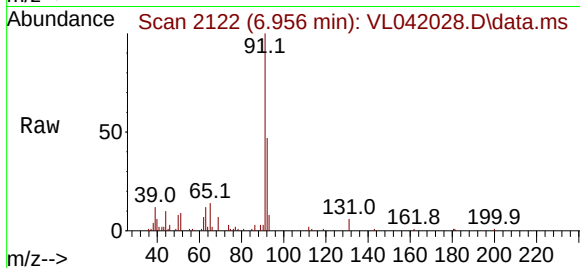
ClientSampleId :

Tgt Ion: 91 Resp: 15943

Ion Ratio Lower Upper

91 100

92 62.4 47.5 71.3



#54

1,2-Dibromoethane

Concen: 0.198 ppbv

RT: 7.668 min Scan# 2342

Delta R.T. -0.006 min

Lab File: VL042028.D

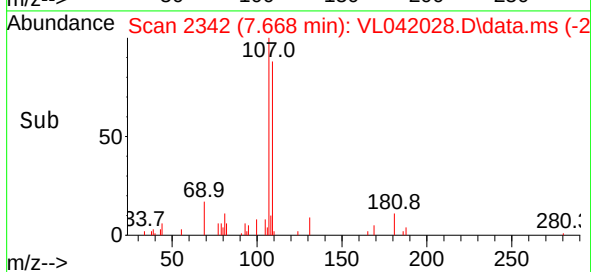
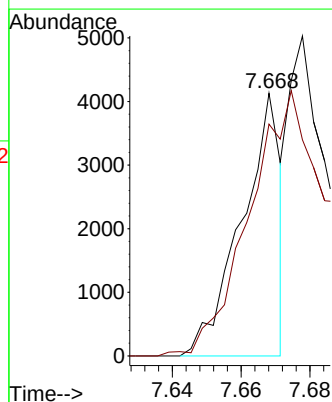
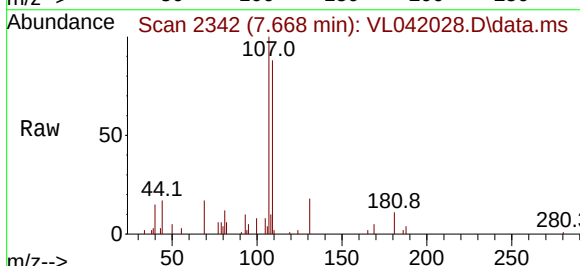
Acq: 17 Feb 2025 13:48

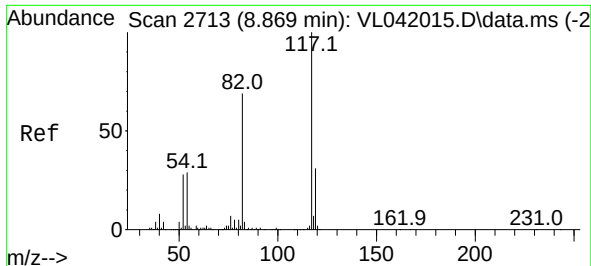
Tgt Ion: 107 Resp: 3261

Ion Ratio Lower Upper

107 100

109 86.6 71.5 107.3

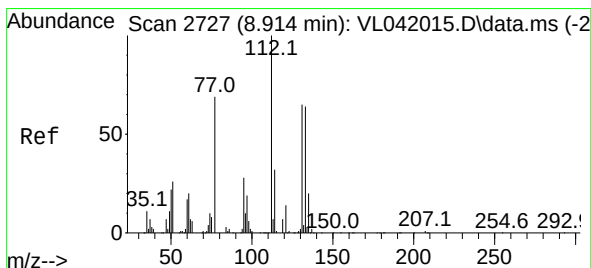
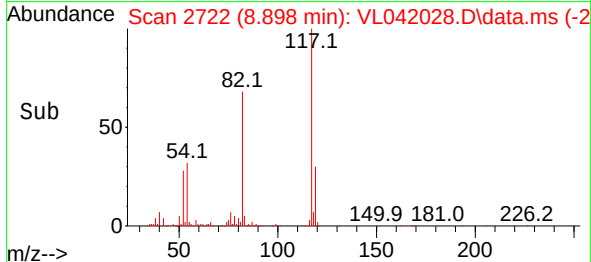
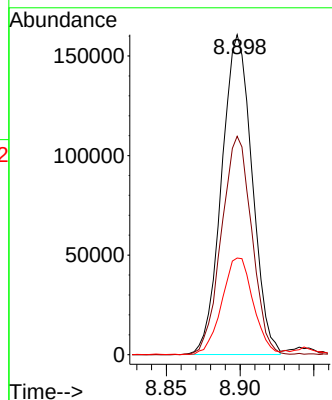
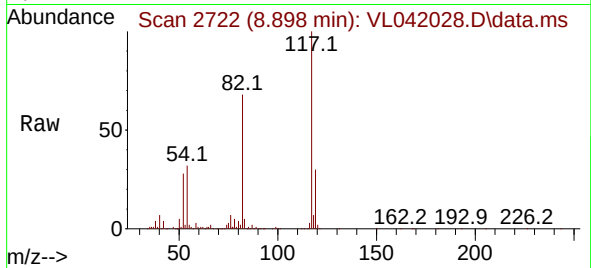




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

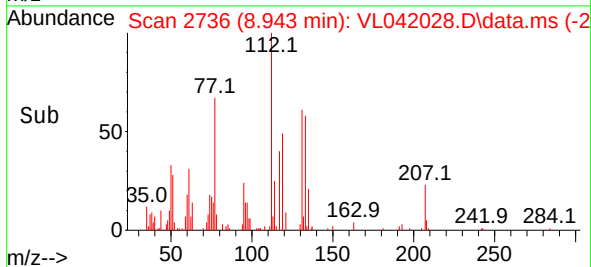
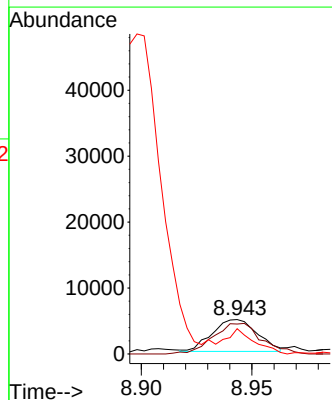
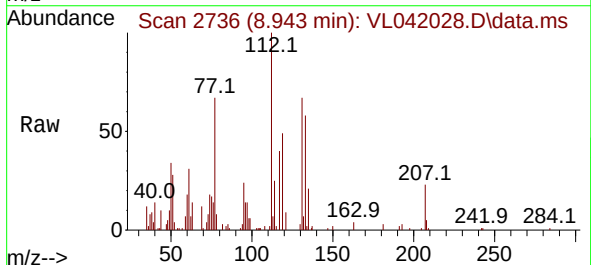
Instrument :
MSVOA_L
ClientSampleId :

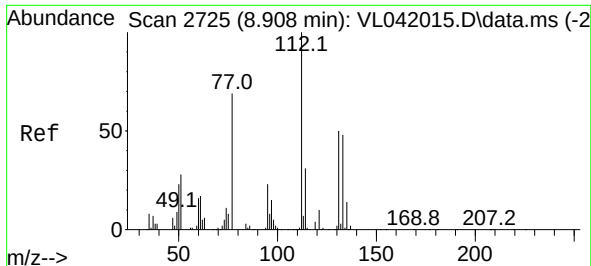
Tgt Ion:117 Resp: 230508
Ion Ratio Lower Upper
117 100
82 68.4 55.7 83.5
119 31.7 25.2 37.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.417 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

Tgt Ion:131 Resp: 6885
Ion Ratio Lower Upper
131 100
133 102.1 77.8 116.8
119 0.0 49.1 73.7#





#57

Chlorobenzene

Concen: 0.458 ppbv

RT: 8.940 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042028.D

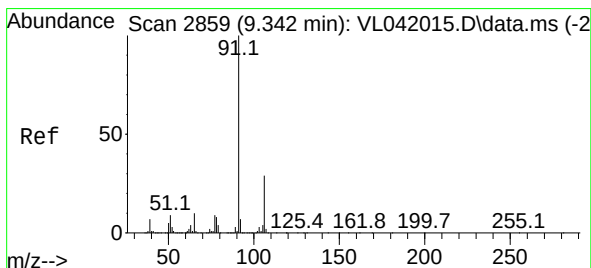
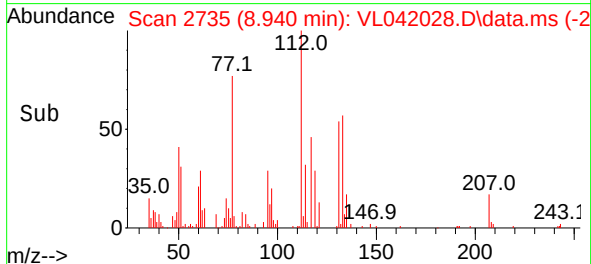
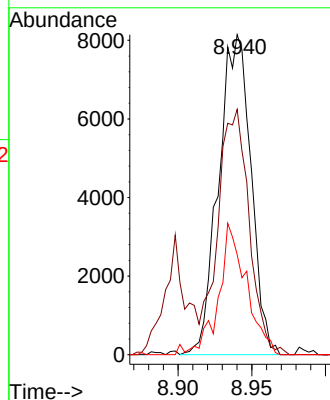
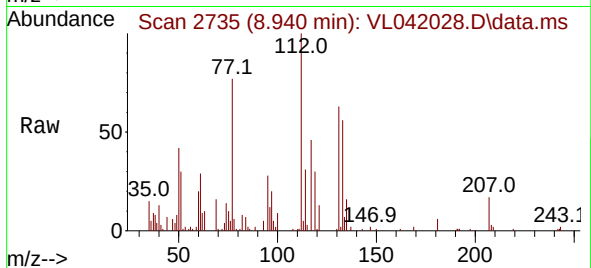
Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:112	Resp:	12431
Ion Ratio	Lower	Upper
112	100	
77	74.3	56.2 84.2
114	31.3	28.2 34.4



#58

Ethyl Benzene

Concen: 0.449 ppbv

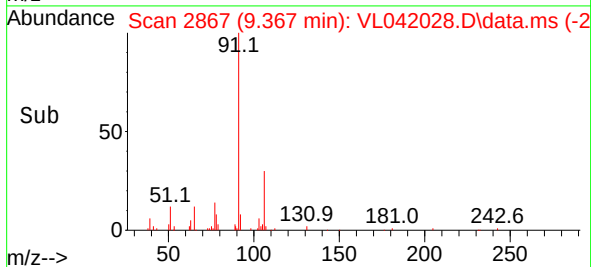
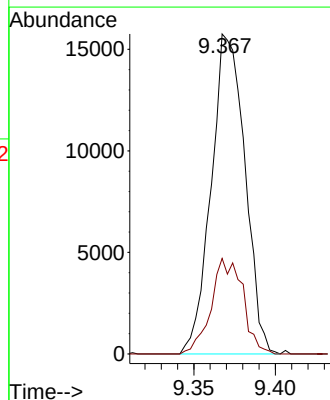
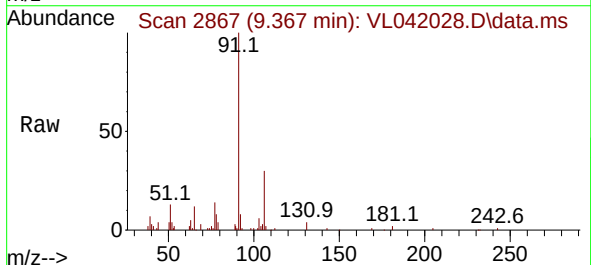
RT: 9.367 min Scan# 2867

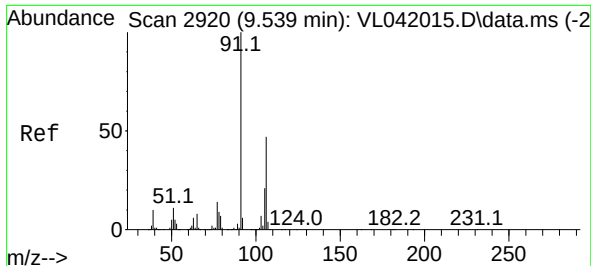
Delta R.T. -0.003 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Tgt Ion: 91	Resp:	22651
Ion Ratio	Lower	Upper
91	100	
106	29.8	23.1 34.7





#59

m/p-Xylene

Concen: 0.366 ppbv

RT: 9.545 min Scan# 2920

Delta R.T. -0.003 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

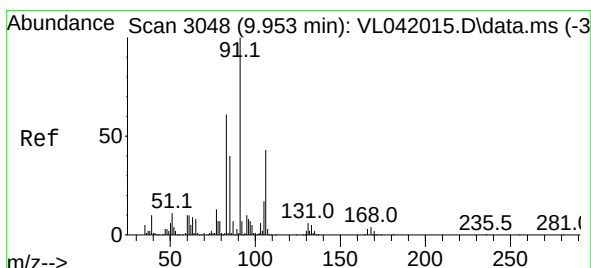
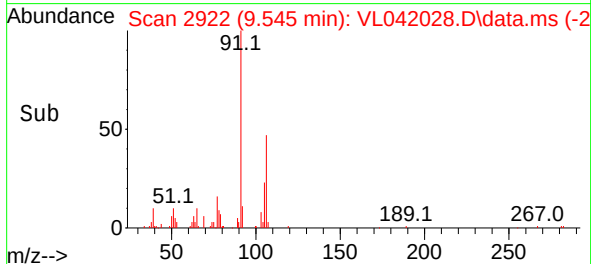
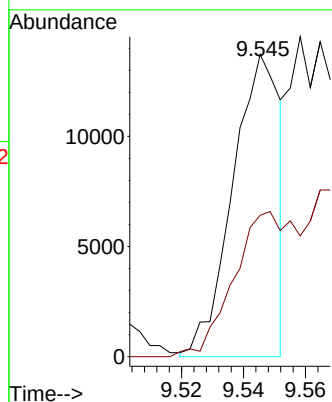
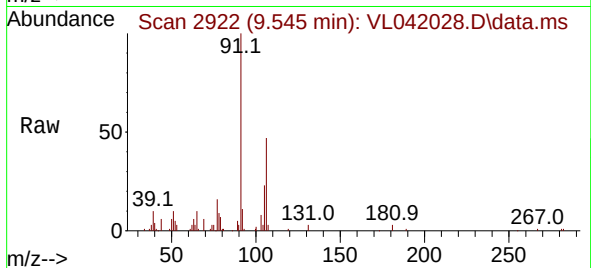
ClientSampleId :

Tgt Ion: 91 Resp: 14548

Ion Ratio Lower Upper

91 100

106 0.0 35.8 53.8#



#60

o-Xylene

Concen: 0.454 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. 0.000 min

Lab File: VL042028.D

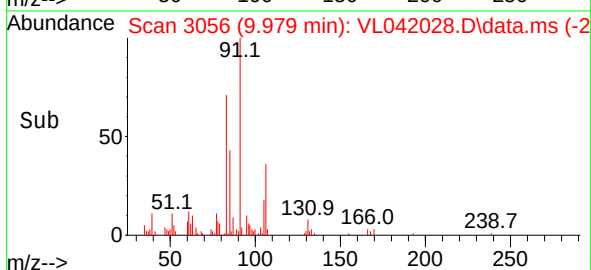
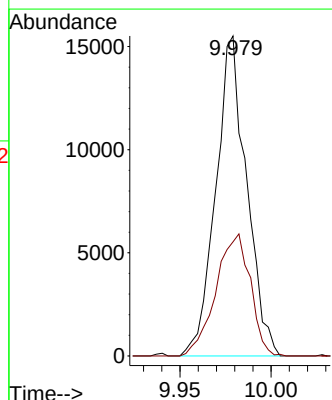
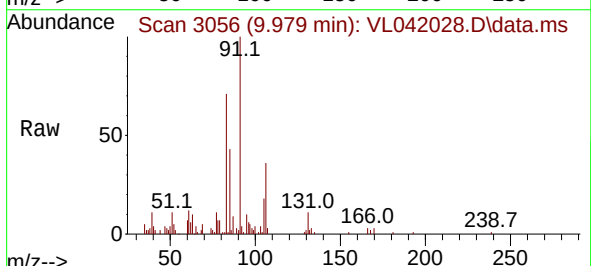
Acq: 17 Feb 2025 13:48

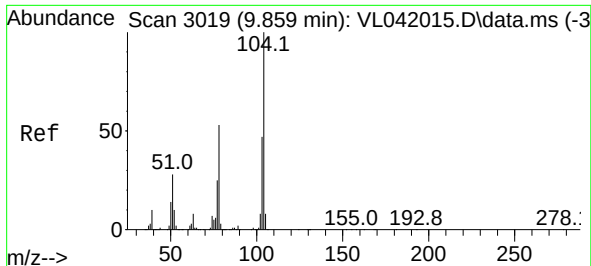
Tgt Ion: 91 Resp: 18240

Ion Ratio Lower Upper

91 100

106 42.6 21.4 64.3

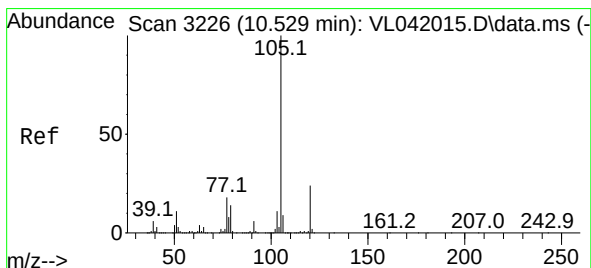
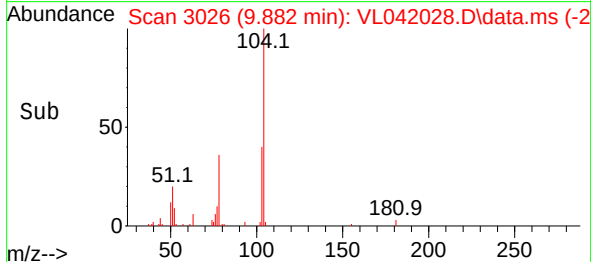
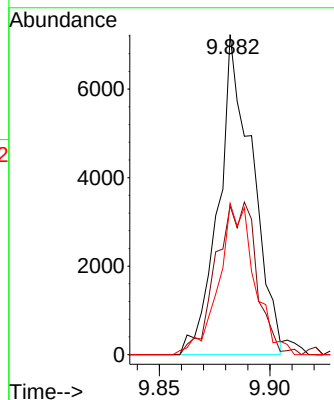
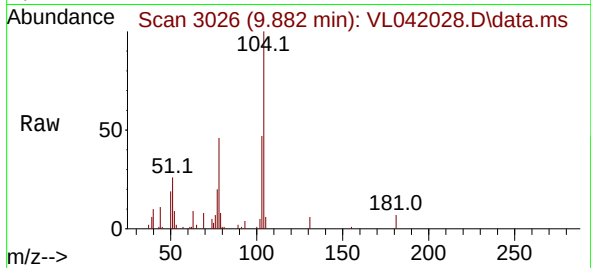




#61
Styrene
Concen: 0.403 ppbv
RT: 9.882 min Scan# 3019
Delta R.T. -0.003 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

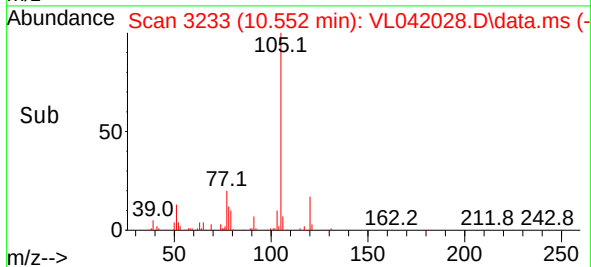
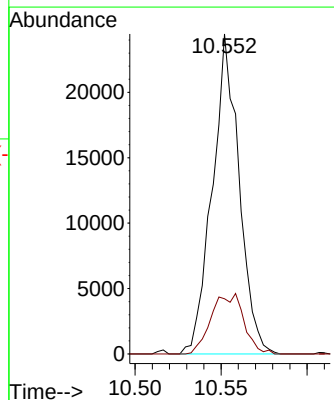
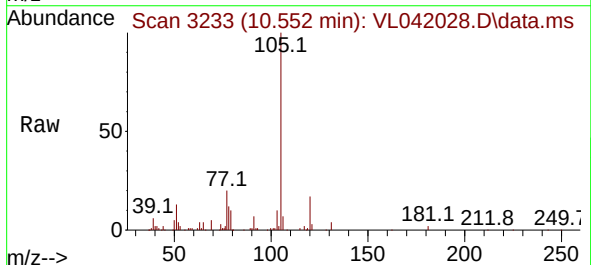
Instrument :
MSVOA_L
ClientSampleId :

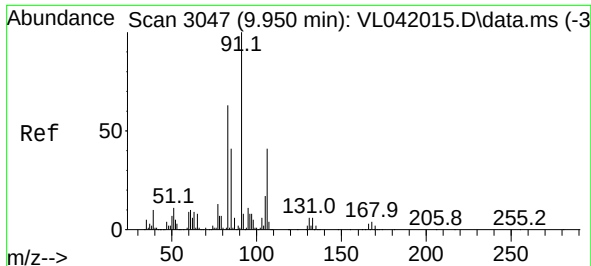
Tgt Ion:104 Resp: 7723
Ion Ratio Lower Upper
104 100
78 57.5 42.2 63.4
103 49.8 38.1 57.1



#62
Isopropylbenzene
Concen: 0.439 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.003 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

Tgt Ion:105 Resp: 26487
Ion Ratio Lower Upper
105 100
120 22.9 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.464 ppbv

RT: 9.979 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

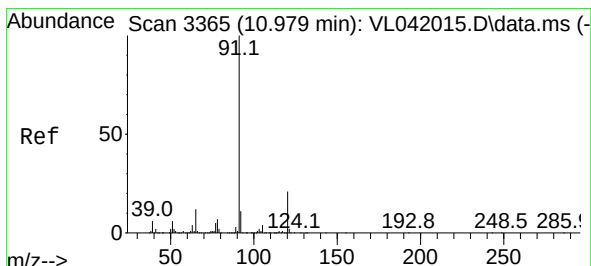
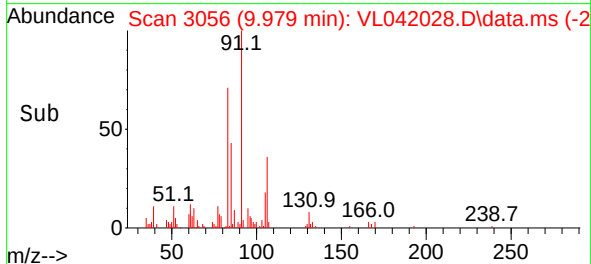
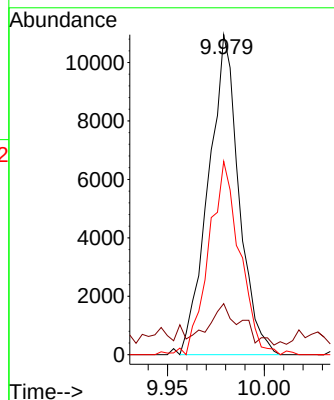
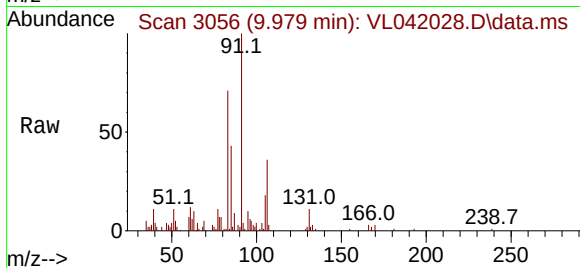
Tgt Ion: 83 Resp: 12018

Ion Ratio Lower Upper

83 100

131 23.6 5.0 15.0#

85 61.6 32.1 96.3



#64

n-propylbenzene

Concen: 0.430 ppbv

RT: 11.005 min Scan# 3373

Delta R.T. 0.000 min

Lab File: VL042028.D

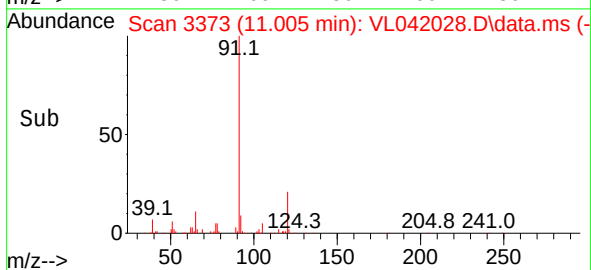
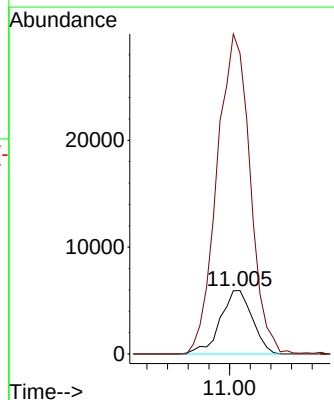
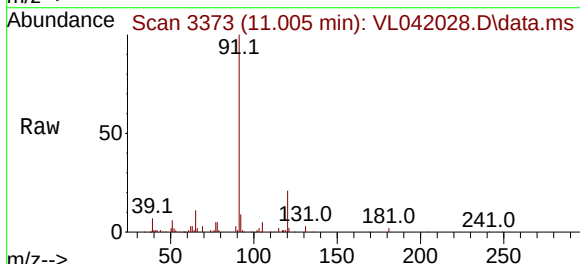
Acq: 17 Feb 2025 13:48

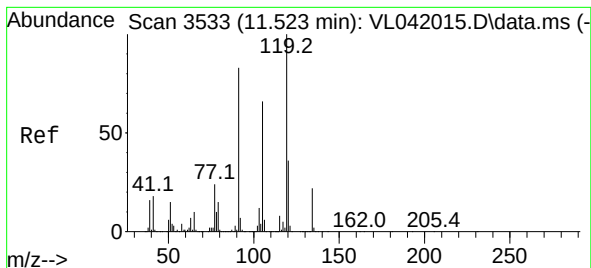
Tgt Ion:120 Resp: 6379

Ion Ratio Lower Upper

120 100

91 524.6 392.2 588.2





#65

tert-Butylbenzene

Concen: 0.457 ppbv

RT: 11.546 min Scan# 3540

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

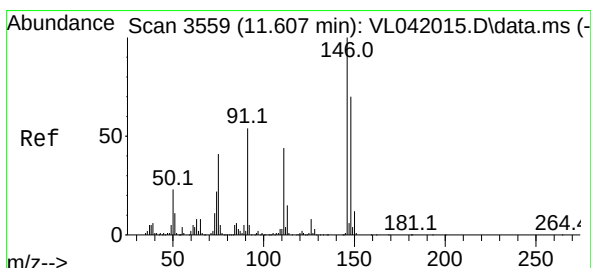
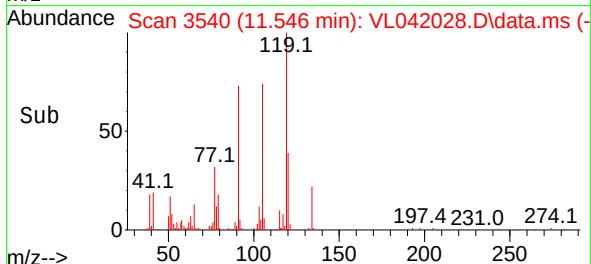
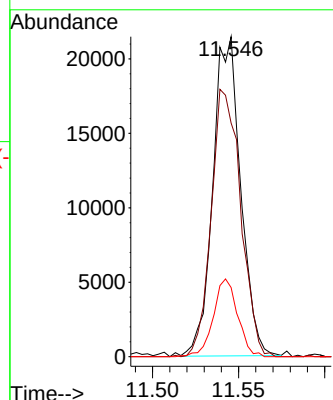
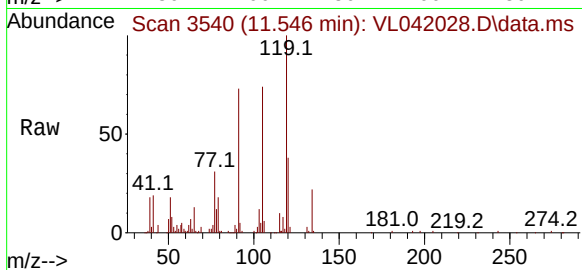
Tgt Ion:119 Resp: 24062

Ion Ratio Lower Upper

119 100

91 88.5 66.5 99.7

134 21.4 16.6 24.8



#66

Benzyl Chloride

Concen: 0.092 ppbv

RT: 11.636 min Scan# 3568

Delta R.T. 0.007 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

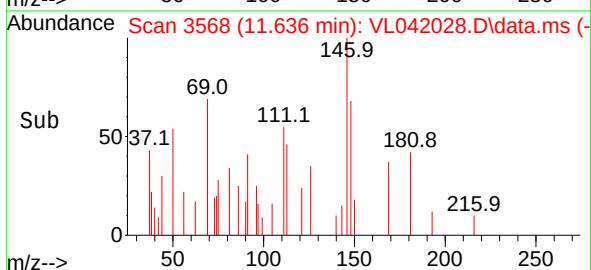
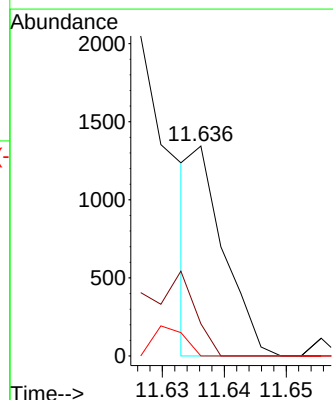
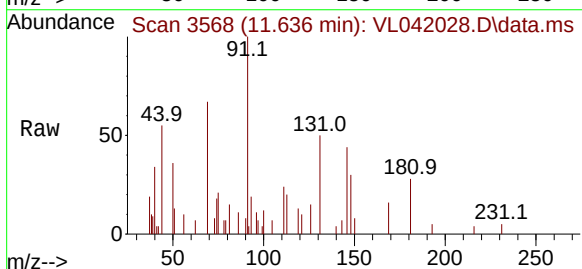
Tgt Ion: 91 Resp: 486

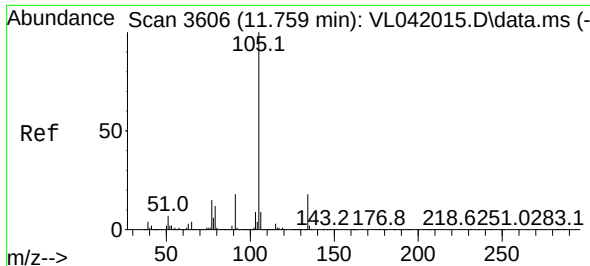
Ion Ratio Lower Upper

91 100

126 83.5 13.8 20.6#

128 0.0 4.1 6.1#

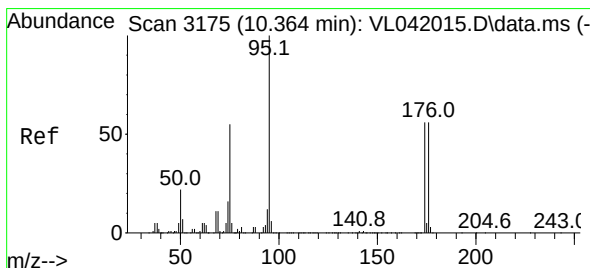
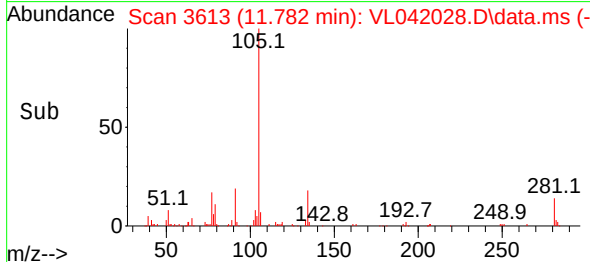
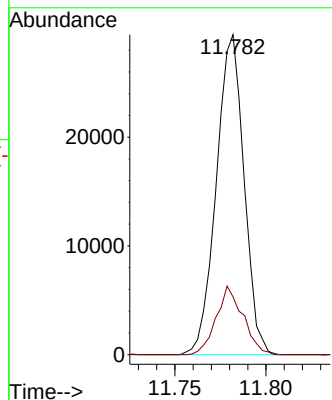
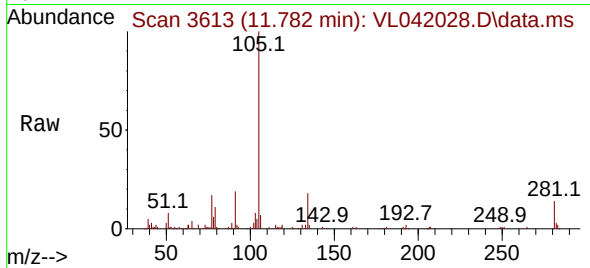




#67
 sec-Butylbenzene
 Concen: 0.421 ppbv
 RT: 11.782 min Scan# 31087
 Delta R.T. 0.000 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

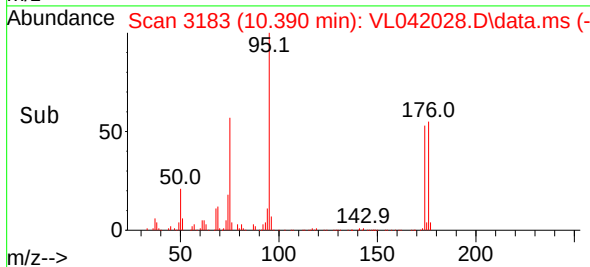
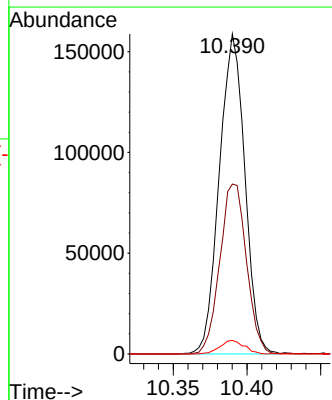
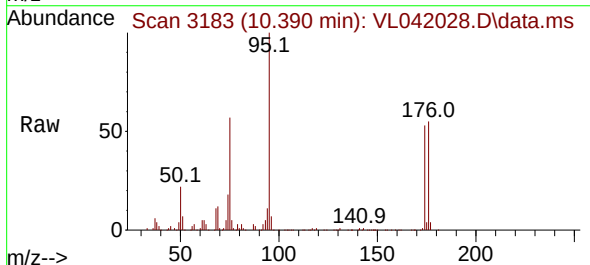
Instrument :
 MSVOA_L
 ClientSampleId :

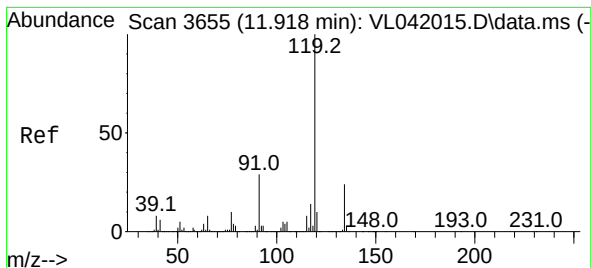
Tgt Ion:105 Resp: 31087
 Ion Ratio Lower Upper
 105 100
 134 20.7 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.046 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. 0.000 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

Tgt Ion: 95 Resp: 191013
 Ion Ratio Lower Upper
 95 100
 174 55.5 46.7 70.1
 175 4.1 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.439 ppbv

RT: 11.940 min Scan# 30

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

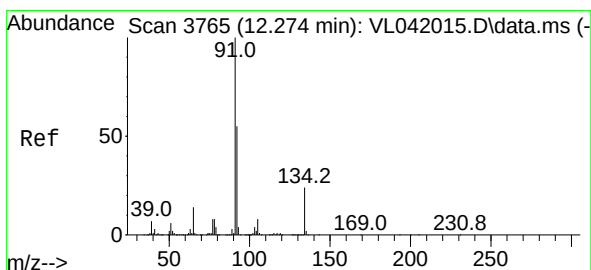
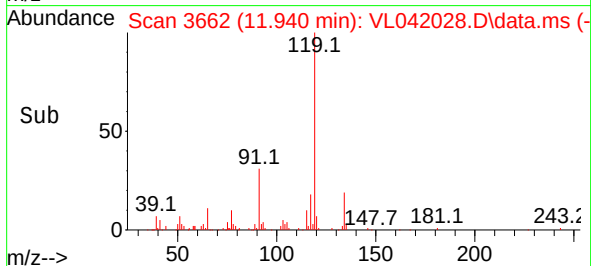
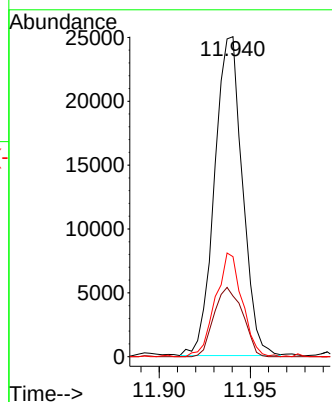
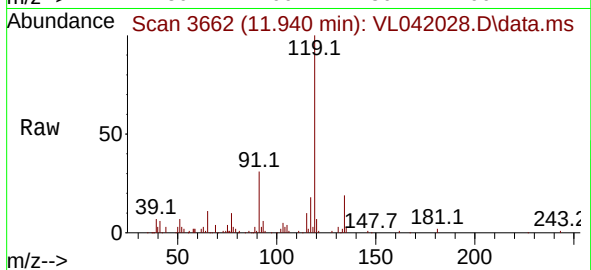
Tgt Ion:119 Resp: 26561

Ion Ratio Lower Upper

119 100

134 22.3 19.4 29.0

91 31.4 23.4 35.2



#70

n-Butylbenzene

Concen: 0.430 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

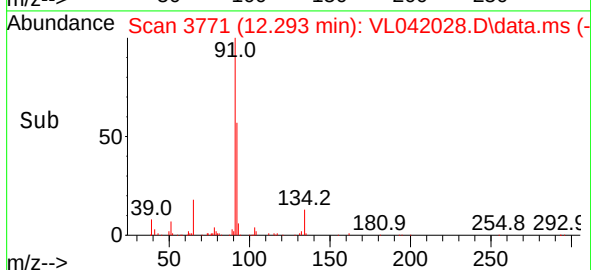
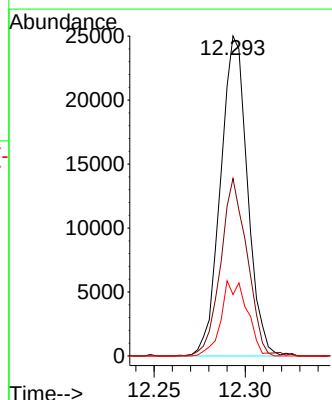
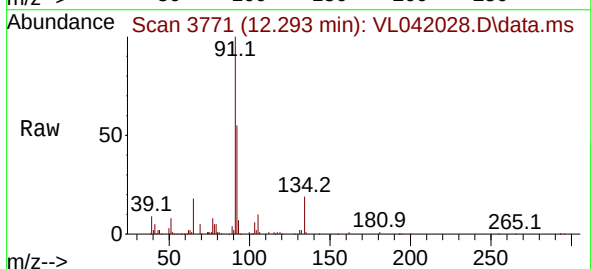
Tgt Ion: 91 Resp: 25627

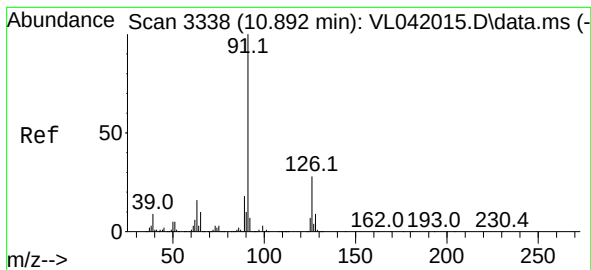
Ion Ratio Lower Upper

91 100

92 55.0 43.8 65.8

134 22.9 18.6 27.8

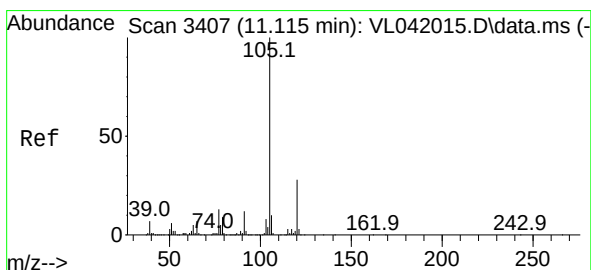
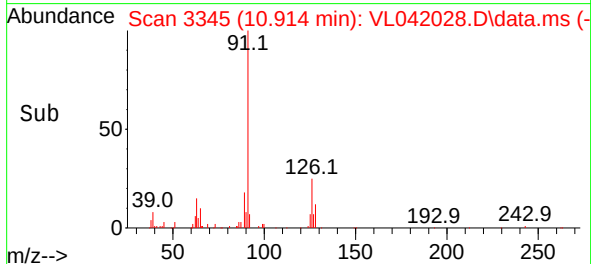
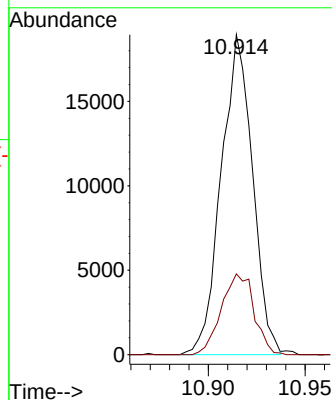
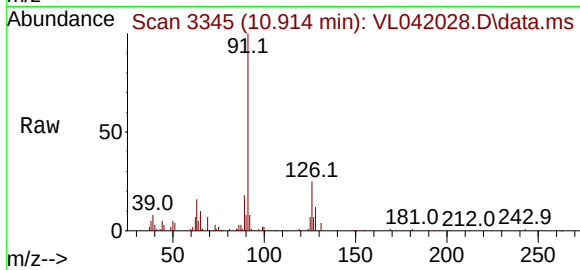




#71
2-Chlorotoluene
Concen: 0.469 ppbv
RT: 10.914 min Scan# 3414
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

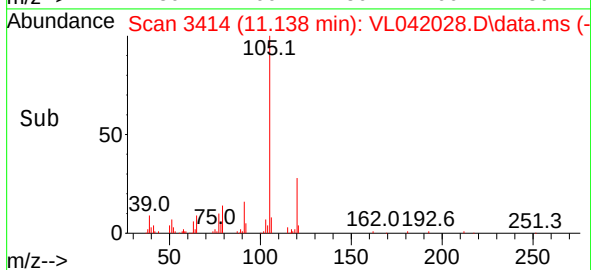
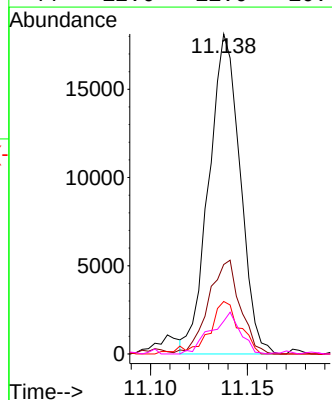
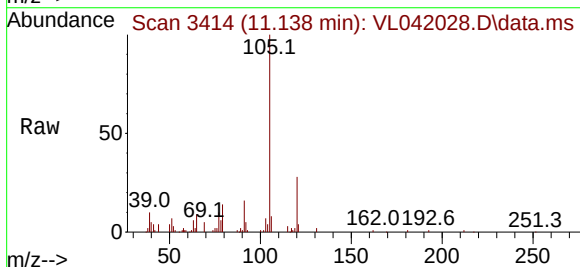
Instrument :
MSVOA_L
ClientSampleId :

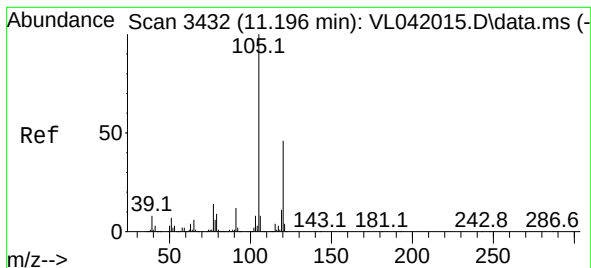
Tgt Ion: 91 Resp: 21309
Ion Ratio Lower Upper
91 100
126 26.3 11.2 45.0



#72
4-Ethyltoluene
Concen: 0.432 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.000 min
Lab File: VL042028.D
Acq: 17 Feb 2025 13:48

Tgt Ion: 105 Resp: 20321
Ion Ratio Lower Upper
105 100
120 30.8 22.7 34.1
91 16.2 10.2 15.2#
77 12.6 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 0.436 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. -0.003 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

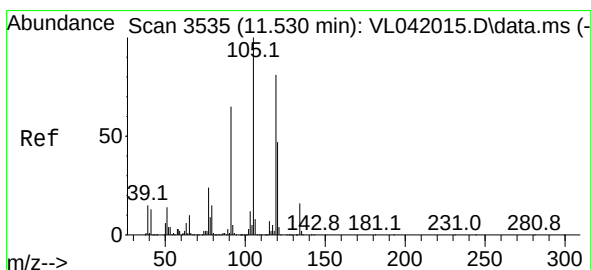
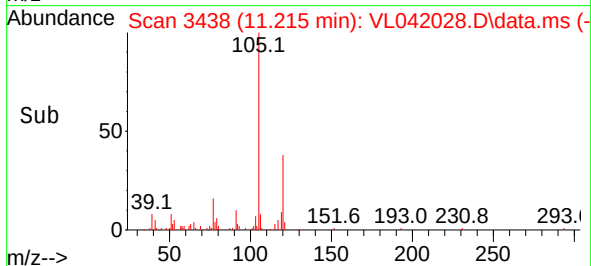
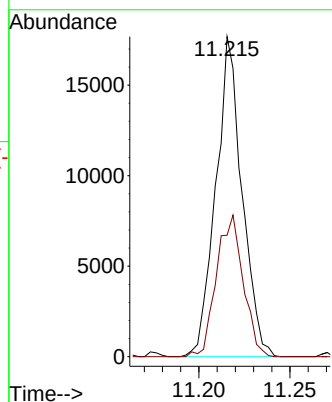
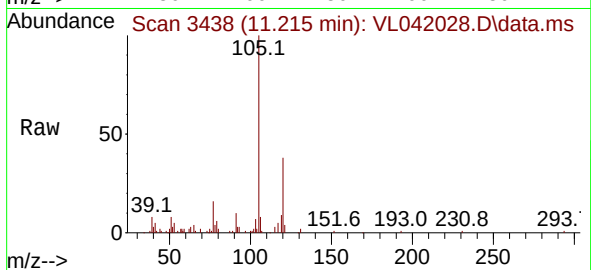
ClientSampleId :

Tgt Ion:105 Resp: 17694

Ion Ratio Lower Upper

105 100

120 37.9 37.1 55.7



#74

1,2,4-Trimethylbenzene

Concen: 0.431 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Tgt Ion:105 Resp: 18770

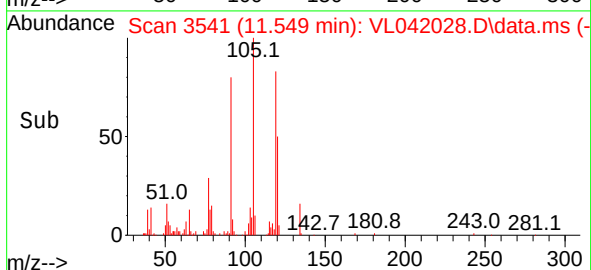
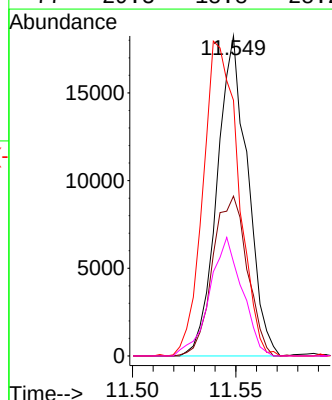
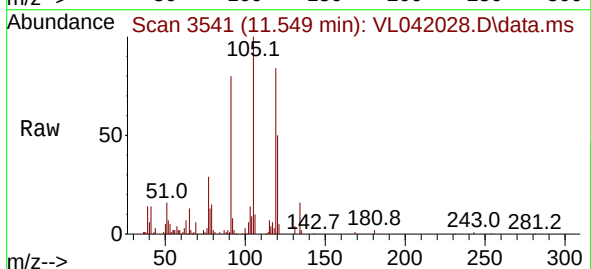
Ion Ratio Lower Upper

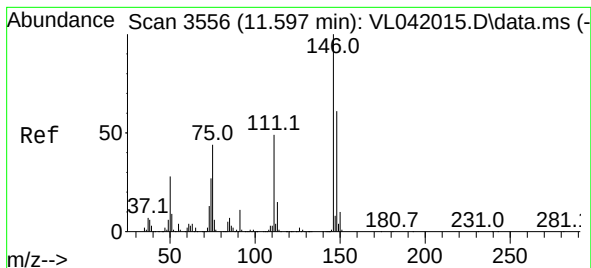
105 100

120 49.9 37.5 56.3

91 79.9 51.7 77.5#

77 29.3 18.8 28.2#





#75

1,3-Dichlorobenzene

Concen: 0.443 ppbv

RT: 11.620 min Scan# 3556

Delta R.T. -0.003 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

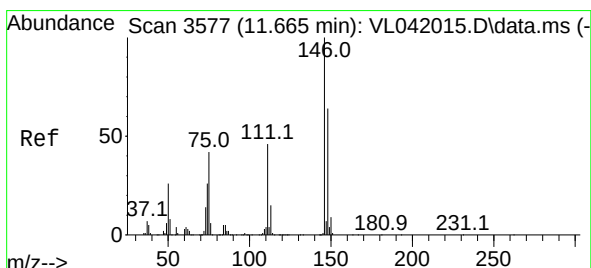
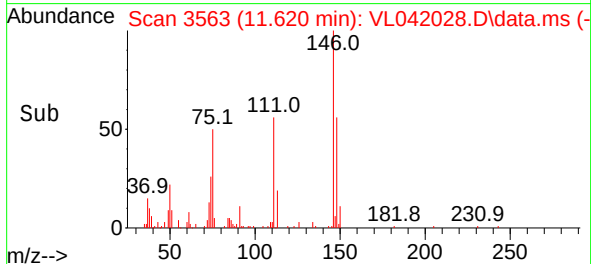
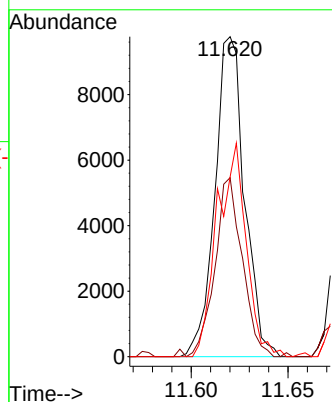
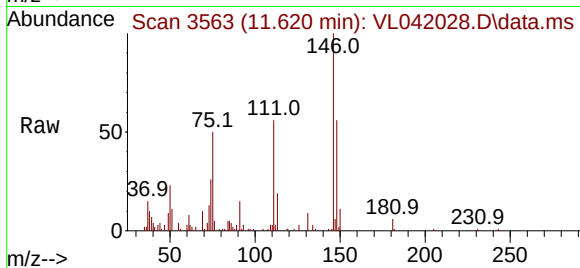
Tgt Ion:146 Resp: 10394

Ion Ratio Lower Upper

146 100

111 52.1 23.9 71.7

148 65.9 31.5 94.5



#76

1,4-Dichlorobenzene

Concen: 0.468 ppbv

RT: 11.688 min Scan# 3584

Delta R.T. 0.004 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

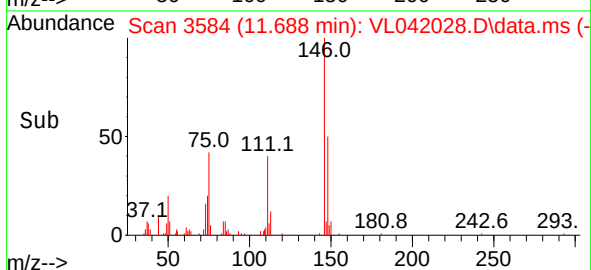
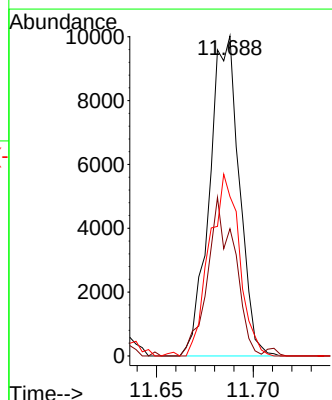
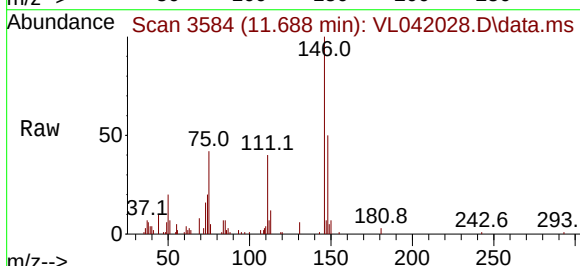
Tgt Ion:146 Resp: 10718

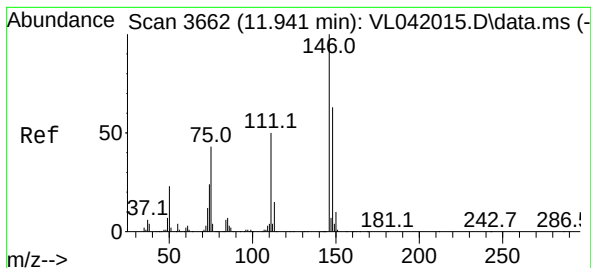
Ion Ratio Lower Upper

146 100

111 46.3 23.5 70.5

148 57.2 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 0.453 ppbv

RT: 11.960 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

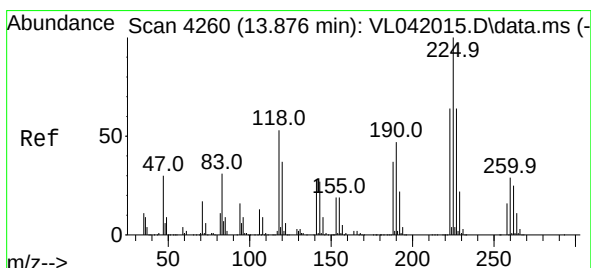
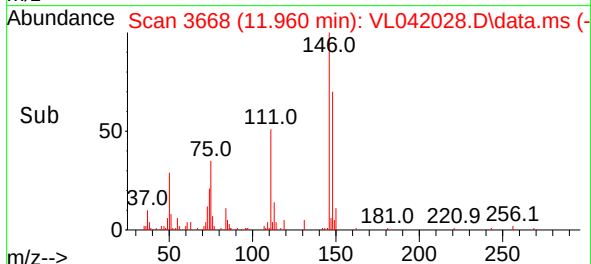
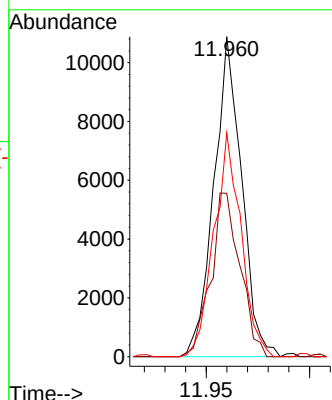
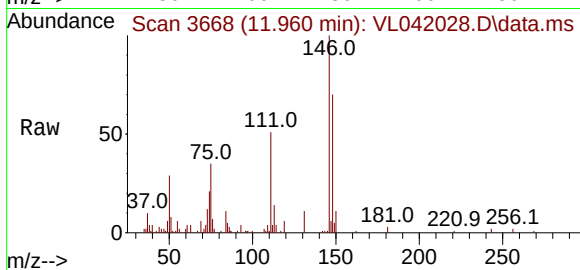
Tgt Ion:146 Resp: 10152

Ion Ratio Lower Upper

146 100

111 53.9 25.6 76.8

148 69.6 31.9 95.7



#78

Hexachloro-1,3-Butadiene

Concen: 0.465 ppbv

RT: 13.892 min Scan# 4265

Delta R.T. -0.003 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

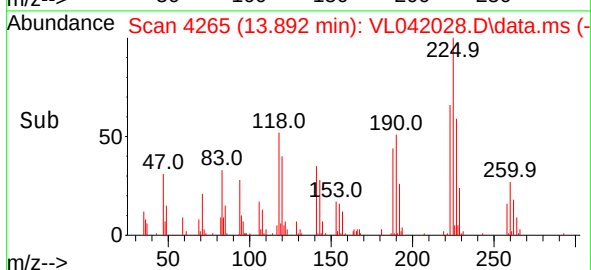
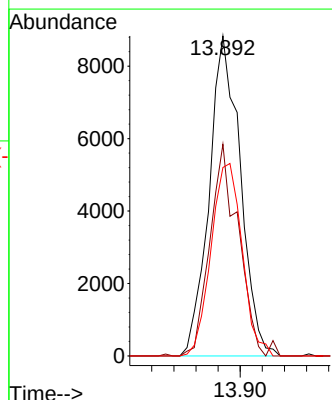
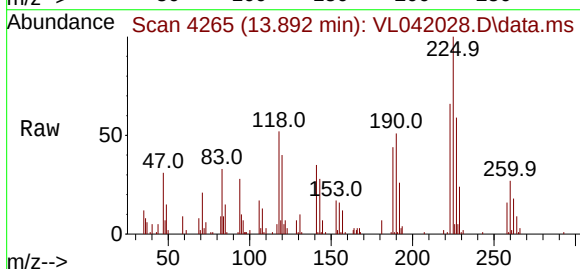
Tgt Ion:225 Resp: 8636

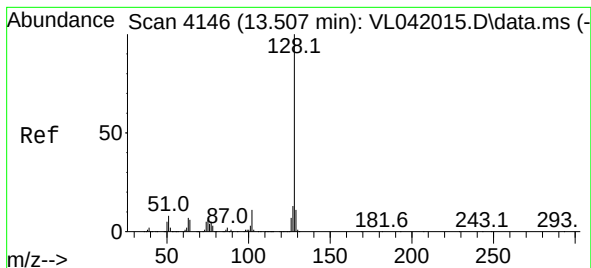
Ion Ratio Lower Upper

225 100

223 60.9 50.6 75.8

227 60.0 50.9 76.3





#79

Naphthalene

Concen: 0.429 ppbv

RT: 13.526 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

Instrument :

MSVOA_L

ClientSampleId :

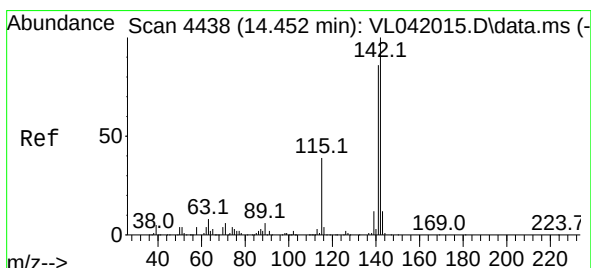
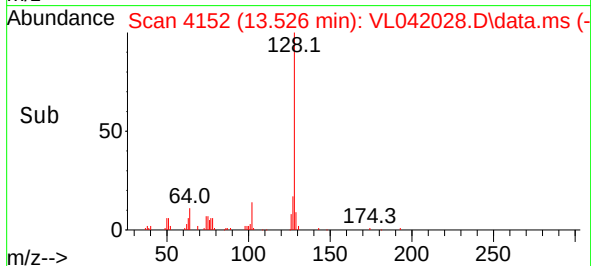
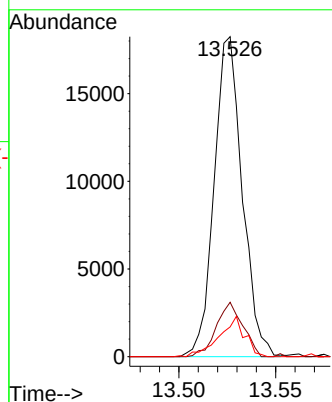
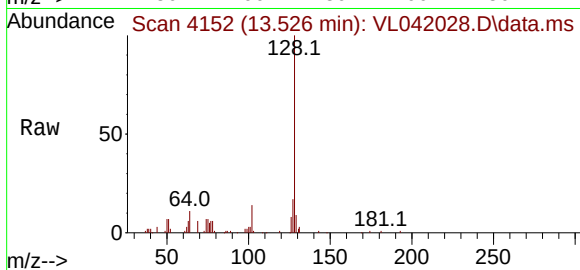
Tgt Ion:128 Resp: 18412

Ion Ratio Lower Upper

128 100

127 17.0 10.2 15.2#

129 9.3 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 0.371 ppbv

RT: 14.472 min Scan# 4444

Delta R.T. 0.000 min

Lab File: VL042028.D

Acq: 17 Feb 2025 13:48

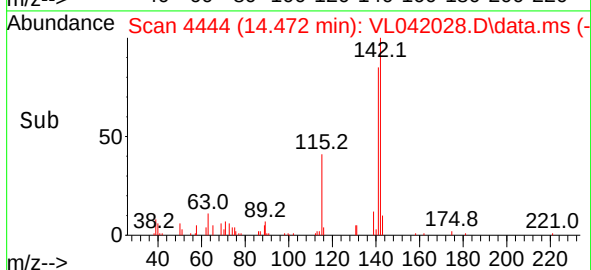
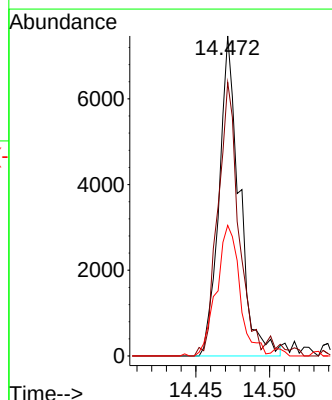
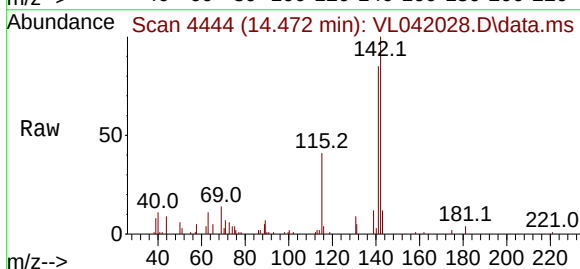
Tgt Ion:142 Resp: 7197

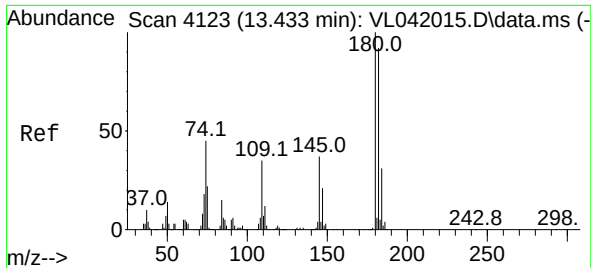
Ion Ratio Lower Upper

142 100

141 90.9 68.2 102.2

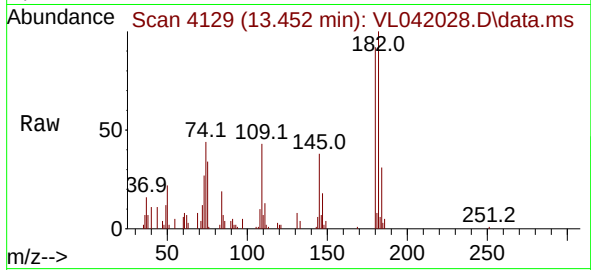
115 48.0 33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.379 ppbv
 RT: 13.452 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042028.D
 Acq: 17 Feb 2025 13:48

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 6614
 Ion Ratio Lower Upper
 180 100
 182 107.7 75.8 113.6
 184 34.3 24.2 36.4

