

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
 Data File : VL041668.D
 Acq On : 14 Oct 2024 15:00
 Operator : SY/MD
 Sample : P4368-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 15 02:42:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1007129	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.668	114	2693747	10.000	ppbv	0.04
55) Chlorobenzene-d5	11.484	117	2403576	10.000	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 1819115 10.281 ppbv 0.05
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.722	85	76852	0.528	ppbv	92
3) Chlorodifluoromethane	2.671	51	53922	0.441	ppbv	100
4) Chloromethane	2.809	50	29140	0.434	ppbv	100
5) Vinyl Chloride	2.919	62	24272	0.417	ppbv	94
6) Bromomethane	3.121	94	11236	0.388	ppbv	97
7) Chloroethane	3.195	64	10336	0.457	ppbv #	77
8) Dichlorotetrafluoroethane	2.854	85	65672	0.430	ppbv	93
9) Propene	2.690	41	18378	0.357	ppbv	94
10) Heptane	7.600	43	14856	0.123	ppbv #	28
11) Trichlorofluoromethane	3.565	101	65241	0.422	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.070	101	46297	0.413	ppbv	99
14) Bromoethene	3.365	108	16035	0.377	ppbv #	91
15) Acetone	3.491	43	64114	0.507	ppbv	98
16) 1,3-Butadiene	2.983	39	21752	0.354	ppbv	100
17) tert-Butyl alcohol	3.909	59	30076	0.270	ppbv #	91
18) 1,1-Dichloroethene	3.883	96	19576	0.413	ppbv	94
20) Methylene Chloride	3.935	84	21763	0.458	ppbv	97
21) Allyl Chloride	3.999	41	15357	0.210	ppbv #	22
22) trans-1,2-Dichloroethene	4.452	96	17525	0.370	ppbv	94
23) Vinyl Acetate	4.652	43	24112	0.347	ppbv #	75
24) 1,1-Dichloroethane	4.568	63	42866	0.411	ppbv	97
25) Ethyl Acetate	5.224	43	77805	0.343	ppbv	98
26) Hexane	5.227	57	29183	0.308	ppbv #	71
27) Carbon Disulfide	4.131	76	32886	0.327	ppbv #	86
28) Methyl tert-Butyl Ether	4.607	73	20296	0.348	ppbv #	89
29) Chloroform	5.282	83	63417	0.409	ppbv	99
30) Cyclohexane	6.626	84	4484	0.061	ppbv #	1
31) cis-1,2-Dichloroethene	5.089	61	25427	0.283	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	55602	0.403	ppbv	95
34) 2-Butanone	4.809	43	19024	0.148	ppbv #	55
35) Carbon Tetrachloride	6.507	117	54786	0.415	ppbv #	91
37) 1,2-Dichloroethane	5.816	62	41905	0.386	ppbv	97
38) Trichloroethene	7.307	130	20351	0.211	ppbv	93
39) 1,2-Dichloropropane	6.664	63	660274	8.676	ppbv #	25
41) Tetrahydrofuran	5.590	42	6164	0.087	ppbv #	38
42) Bromodichloromethane	7.269	83	23911	0.158	ppbv	89
43) Methyl Methacrylate	7.497	69	10203	0.152	ppbv #	30
44) 2,2,4-Trimethylpentane	7.346	57	93230	0.288	ppbv #	82
46) cis-1,3-Dichloropropene	8.163	75	19356	0.245	ppbv #	86
47) 1,1,2-Trichloroethane	8.922	97	26934	0.333	ppbv	89
48) Dibromochloromethane	9.722	129	39327	0.321	ppbv	97
51) 2-Hexanone	9.594	43	10953	0.073	ppbv #	31
52) Tetrachloroethene	10.638	164	23059	0.340	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

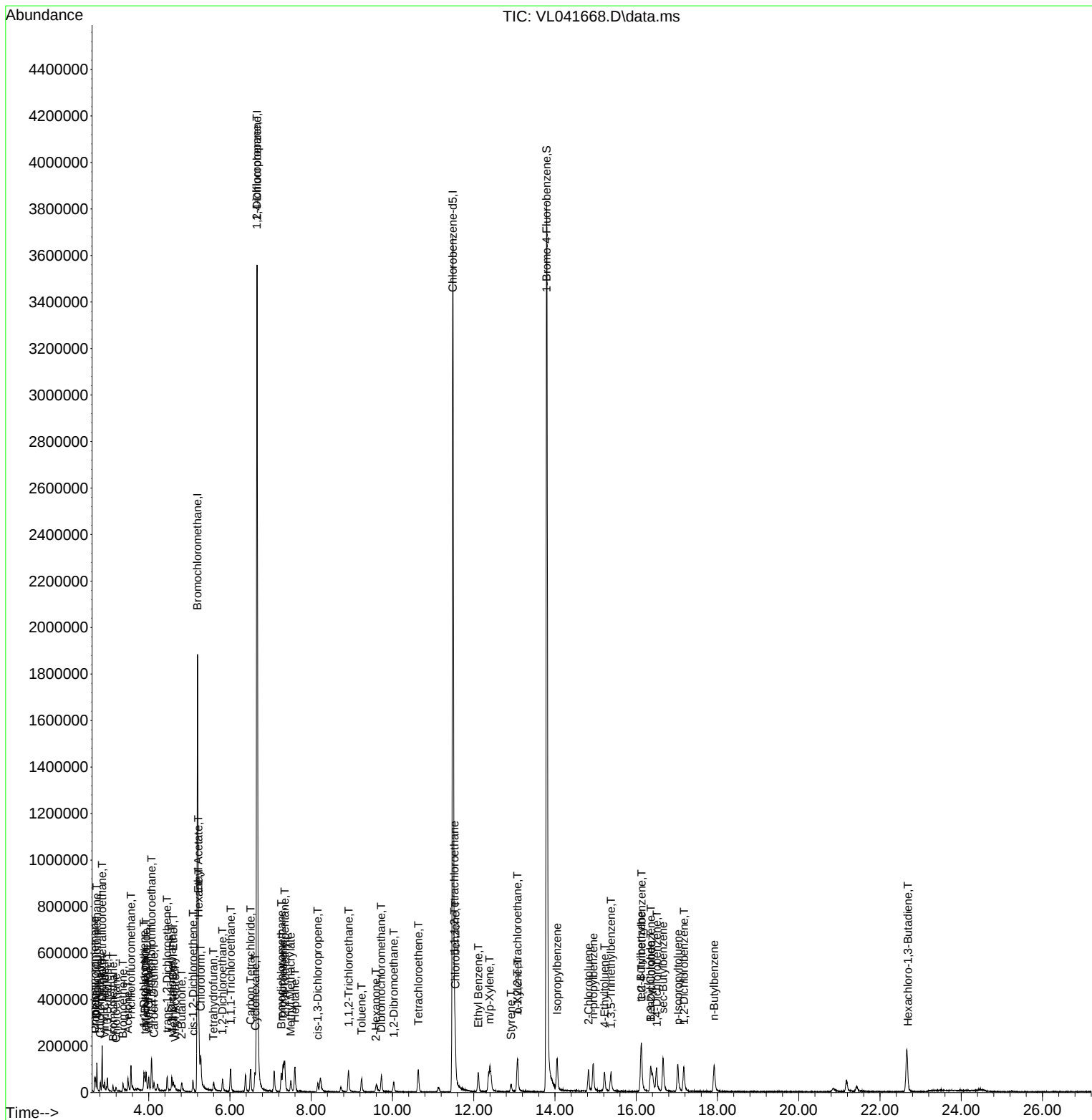
Quant Time: Oct 15 02:42:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

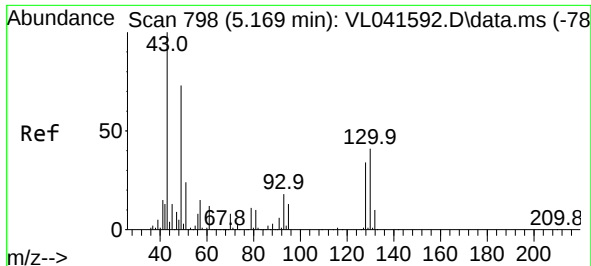
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

53) Toluene	9.240	91	26058	0.131	ppbv #	40
54) 1,2-Dibromoethane	10.031	107	16786	0.169	ppbv	82
56) 1,1,1,2-Tetrachloroethane	11.529	131	27155	0.289	ppbv #	42
57) Chlorobenzene	11.548	112	33224	0.192	ppbv	97
58) Ethyl Benzene	12.111	91	63976	0.249	ppbv	94
59) m/p-Xylene	12.388	91	21861	0.095	ppbv #	1
60) o-Xylene	13.082	91	31394	0.143	ppbv #	49
61) Styrene	12.918	104	12542	0.137	ppbv #	39
62) Isopropylbenzene	14.053	105	60679	0.182	ppbv #	60
63) 1,1,2,2-Tetrachloroethane	13.076	83	46742	0.416	ppbv	95
64) n-propylbenzene	14.944	120	17590	0.205	ppbv #	1
65) tert-Butylbenzene	16.117	119	52318	0.172	ppbv #	39
66) Benzyl Chloride	16.355	91	704	0.044	ppbv #	1
67) sec-Butylbenzene	16.661	105	125867	0.298	ppbv	98
69) p-Isopropyltoluene	17.034	119	24745	0.072	ppbv #	48
70) n-Butylbenzene	17.918	91	70754	0.197	ppbv #	86
71) 2-Chlorotoluene	14.825	91	68854	0.281	ppbv	100
72) 4-Ethyltoluene	15.220	105	63481	0.247	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.378	105	54789	0.242	ppbv	96
74) 1,2,4-Trimethylbenzene	16.130	105	78353	0.295	ppbv	95
75) 1,3-Dichlorobenzene	16.359	146	21740	0.131	ppbv #	1
76) 1,4-Dichlorobenzene	16.506	146	21328	0.134	ppbv #	23
77) 1,2-Dichlorobenzene	17.175	146	25280	0.154	ppbv #	2
78) Hexachloro-1,3-Butadiene	22.686	225	5861	0.043	ppbv #	19

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

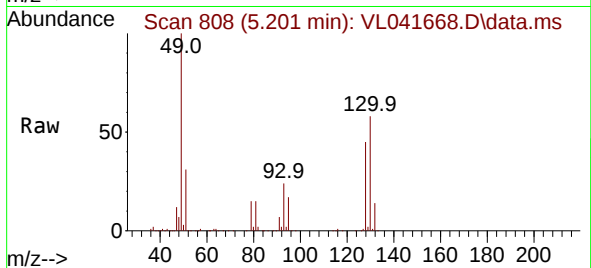
Quant Time: Oct 15 02:42:28 2024
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration



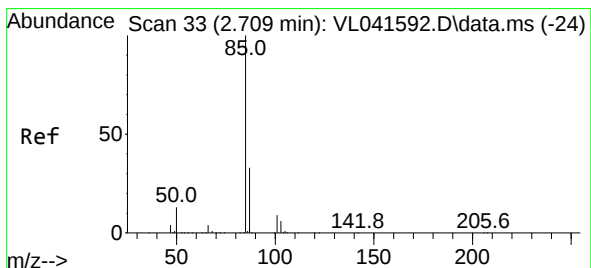
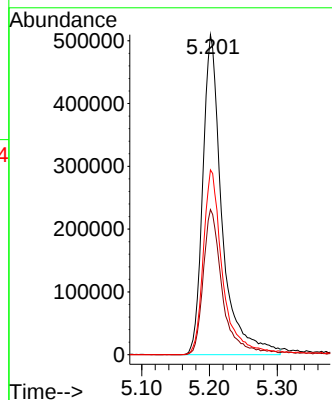
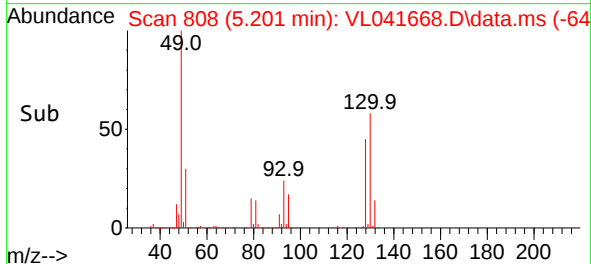


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.201 min Scan# 80
 Delta R.T. 0.032 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Instrument :
 MSVOA_L
 ClientSampleId :

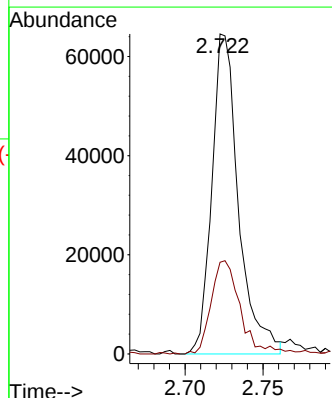
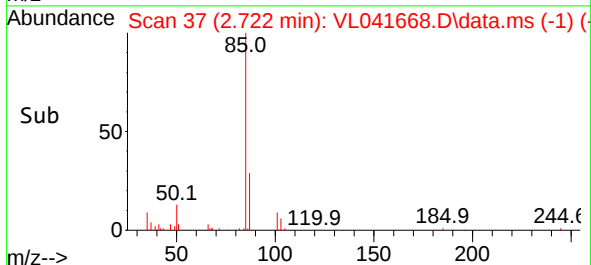
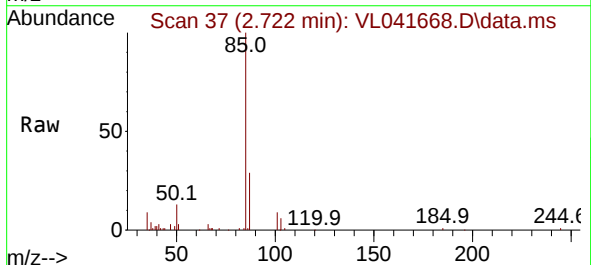


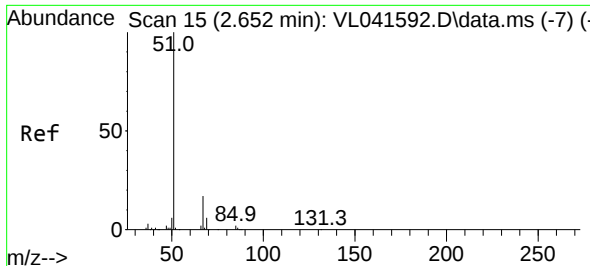
Tgt Ion: 49 Resp: 1007129
 Ion Ratio Lower Upper
 49 100
 128 46.1 23.8 71.5
 130 60.3 30.4 91.3



#2
 Dichlorodifluoromethane
 Concen: 0.528 ppbv
 RT: 2.722 min Scan# 37
 Delta R.T. 0.013 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

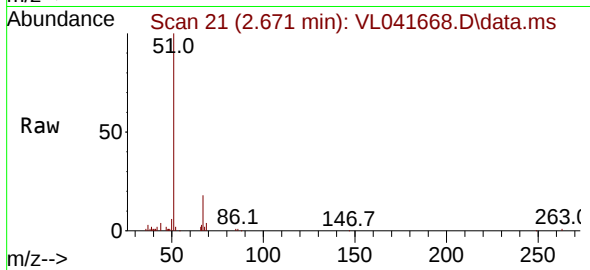
Tgt Ion: 85 Resp: 76852
 Ion Ratio Lower Upper
 85 100
 87 28.7 26.3 39.5



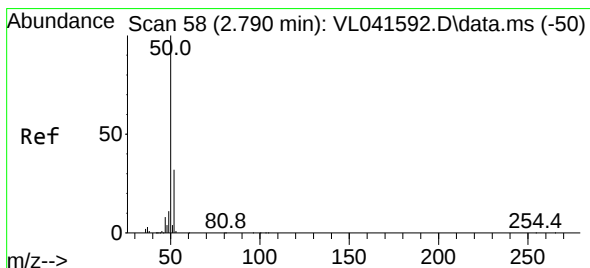
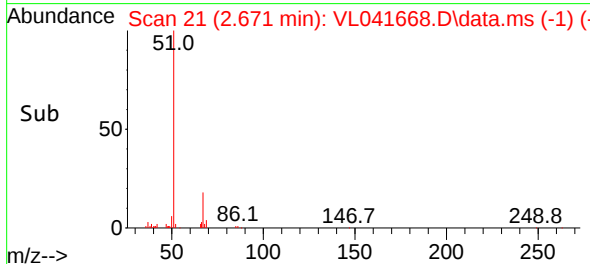
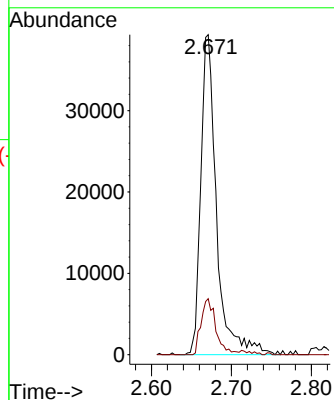


#3
Chlorodifluoromethane
Concen: 0.441 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :

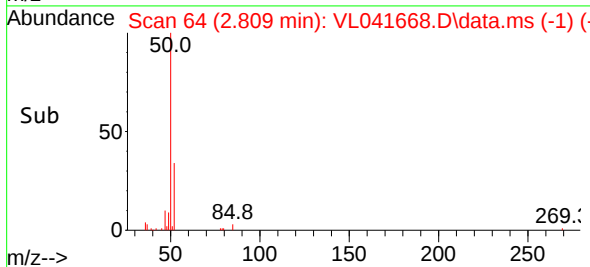
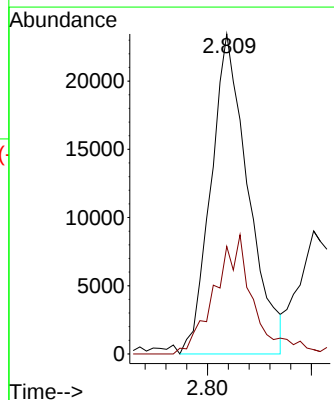
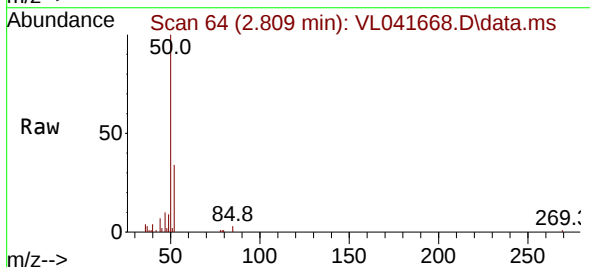


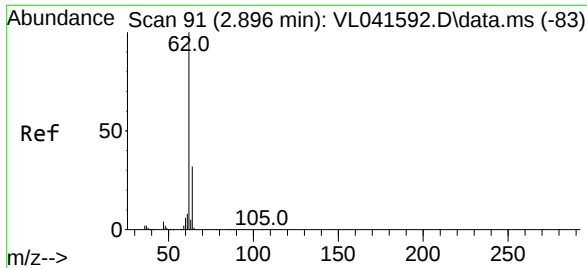
Tgt Ion: 51 Resp: 53922
Ion Ratio Lower Upper
51 100
67 17.6 14.1 21.1



#4
Chloromethane
Concen: 0.434 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.019 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 50 Resp: 29140
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.2

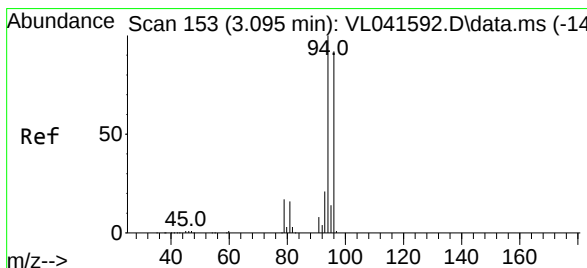
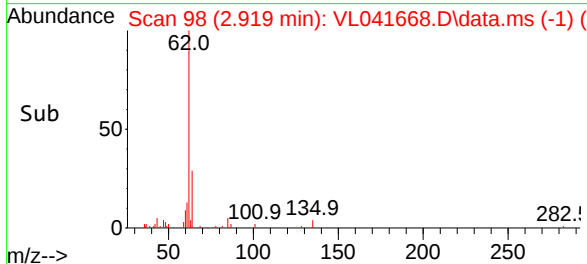
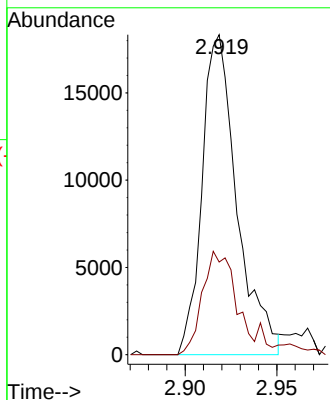
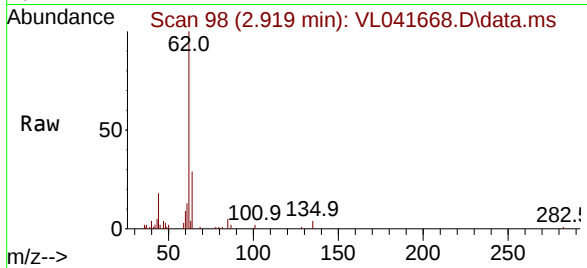




#5
 Vinyl Chloride
 Concen: 0.417 ppbv
 RT: 2.919 min Scan# 91
 Delta R.T. 0.023 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

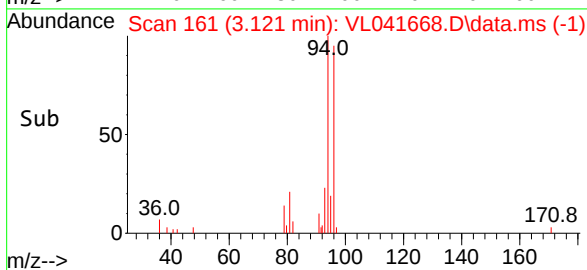
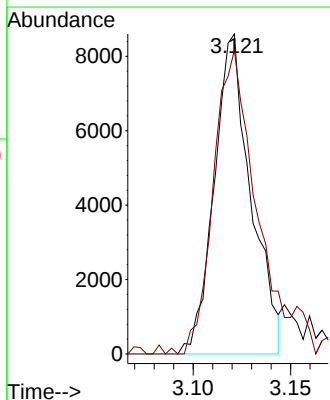
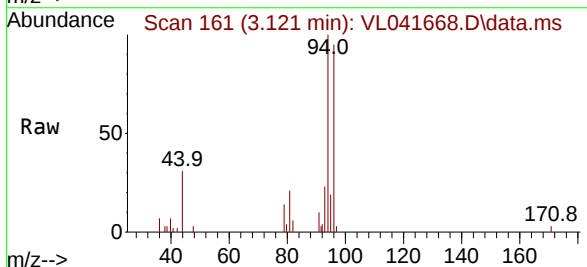
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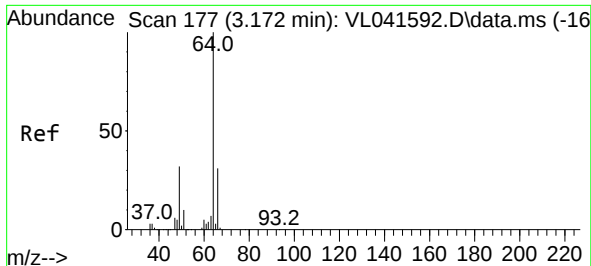
Tgt Ion: 62 Resp: 24272
 Ion Ratio Lower Upper
 62 100
 64 28.9 26.0 39.0



#6
 Bromomethane
 Concen: 0.388 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.026 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Tgt Ion: 94 Resp: 11236
 Ion Ratio Lower Upper
 94 100
 96 95.0 73.4 110.2

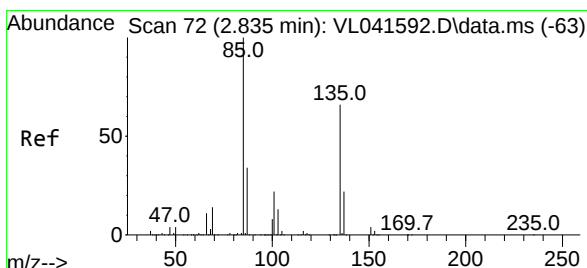
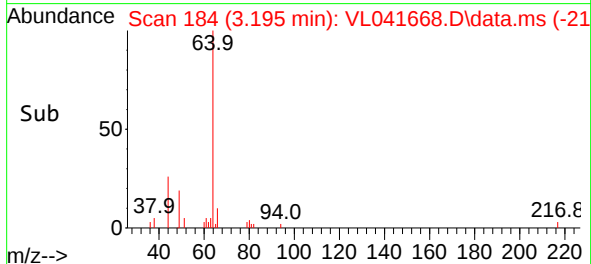
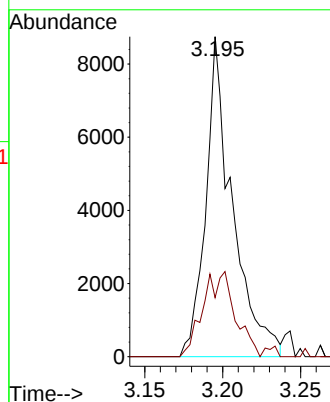
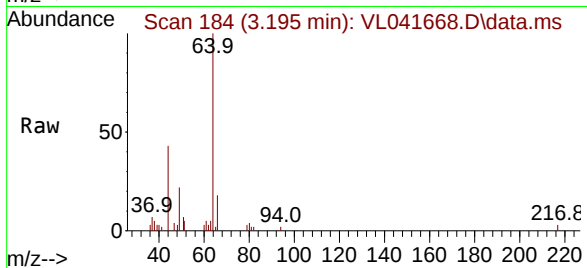




#7
Chloroethane
Concen: 0.457 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.023 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

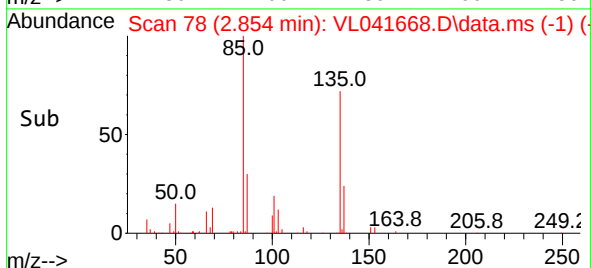
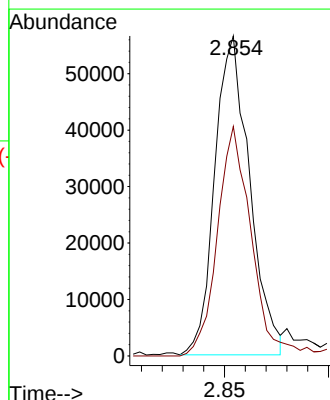
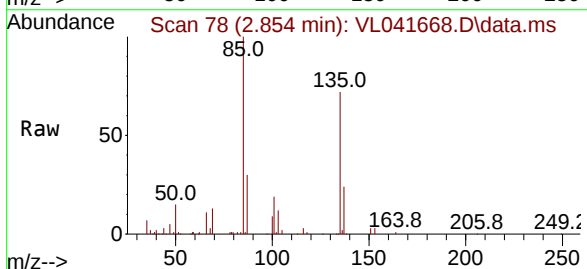
Instrument :
MSVOA_L
ClientSampleId :

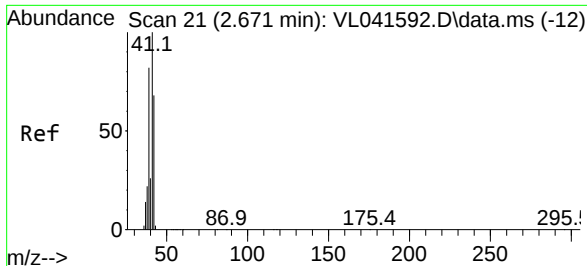
Tgt Ion: 64 Resp: 10336
Ion Ratio Lower Upper
64 100
66 18.4 25.1 37.7#



#8
Dichlorotetrafluoroethane
Concen: 0.430 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.019 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 85 Resp: 65672
Ion Ratio Lower Upper
85 100
135 72.8 53.9 80.9

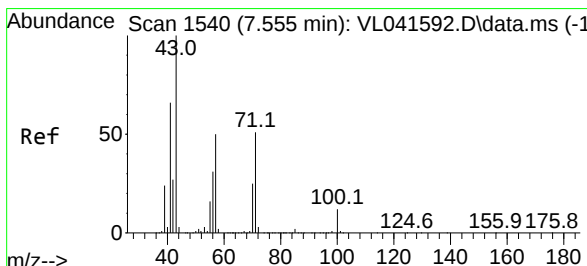
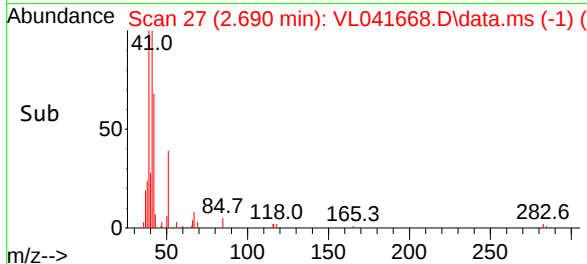
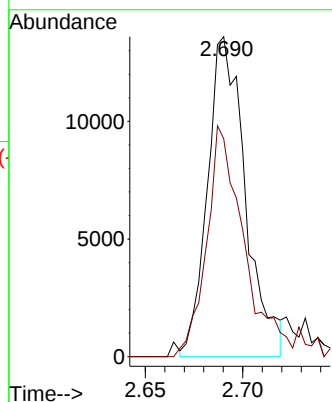
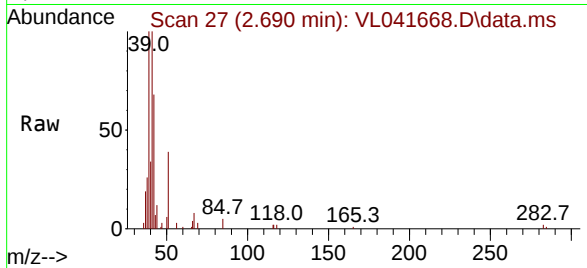




#9
Propene
Concen: 0.357 ppbv
RT: 2.690 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

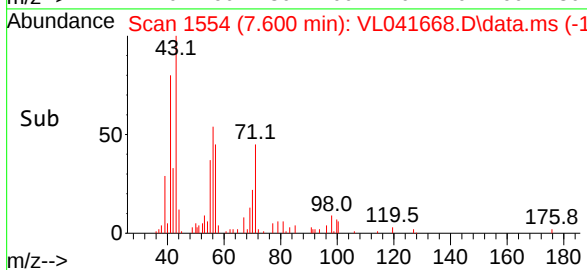
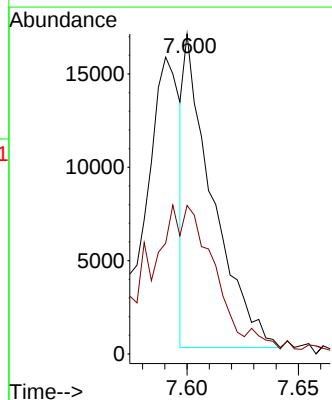
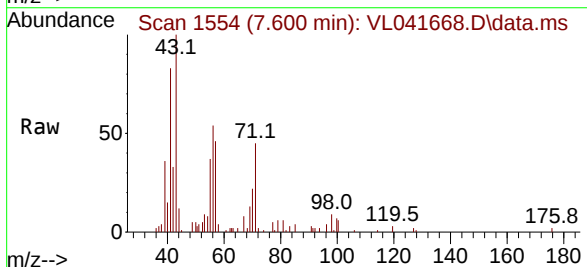
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MSVOA_L
ClientSampleId :

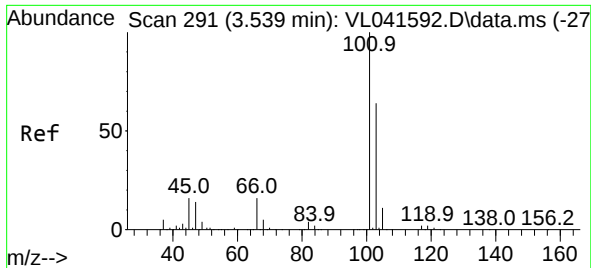
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Ion Ratio Lower Upper
41 100
42 73.7 55.2 82.8



#10
Heptane
Concen: 0.123 ppbv
RT: 7.600 min Scan# 1554
Delta R.T. 0.045 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 43 Resp: 14856
Ion Ratio Lower Upper
43 100
57 0.0 39.8 59.8#

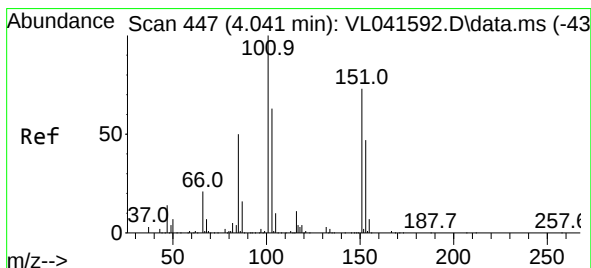
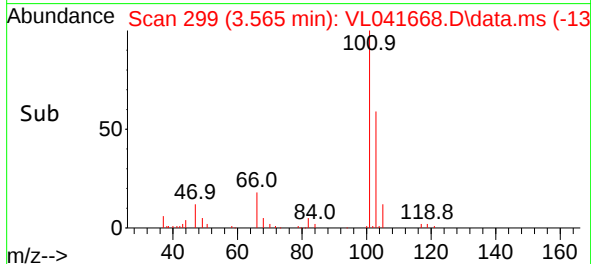
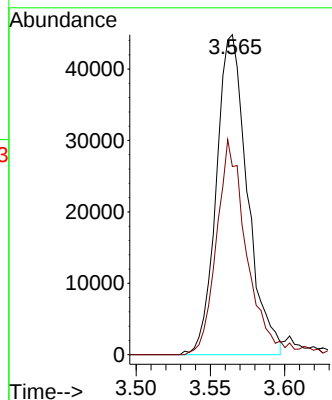
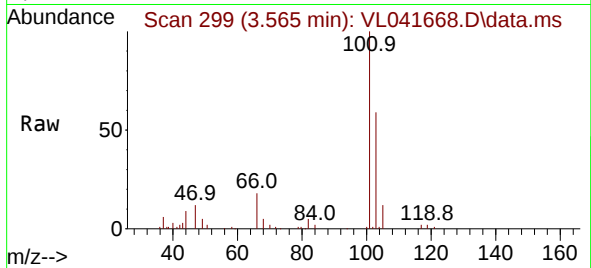




#11
 Trichlorofluoromethane
 Concen: 0.422 ppbv
 RT: 3.565 min Scan# 24
 Delta R.T. 0.026 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

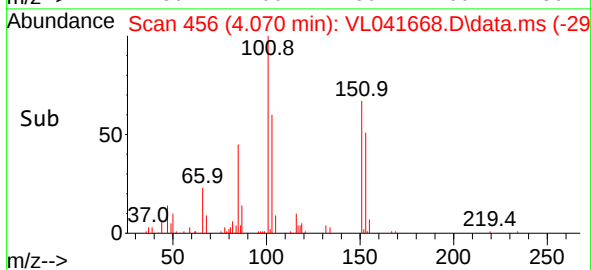
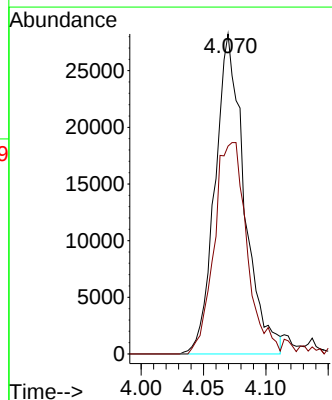
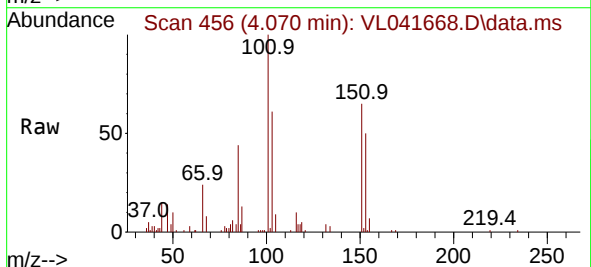
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 MSVOA_L
 ClientSampleId :

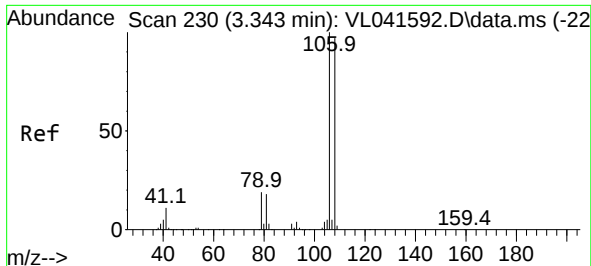
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 Ion Ratio Lower Upper
 101 100
 103 58.8 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.413 ppbv
 RT: 4.070 min Scan# 456
 Delta R.T. 0.029 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Tgt Ion:101 Resp: 46297
 Ion Ratio Lower Upper
 101 100
 151 74.7 59.4 89.2

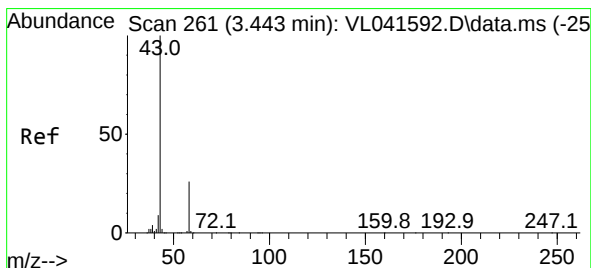
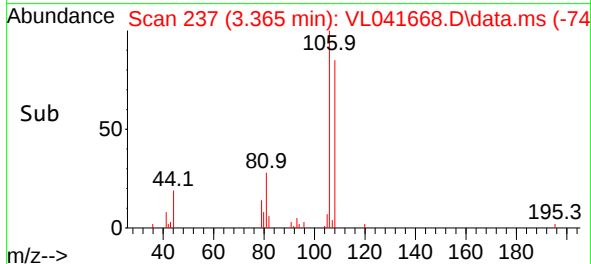
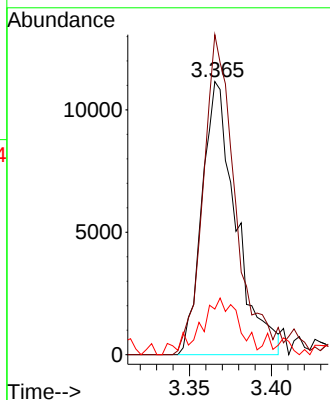
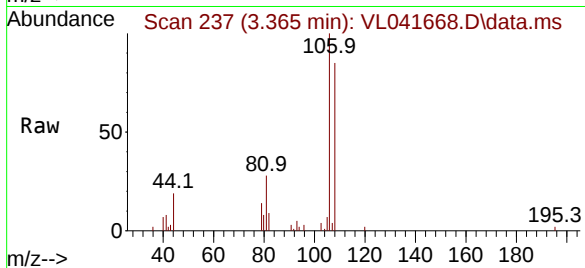




#14
Bromoethene
Concen: 0.377 ppbv
RT: 3.365 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

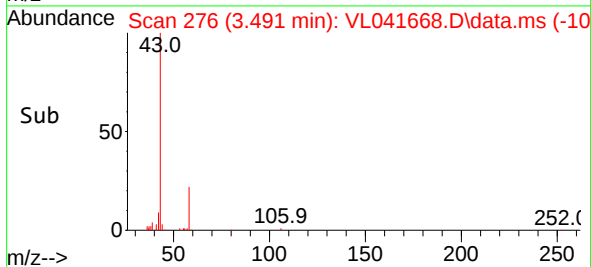
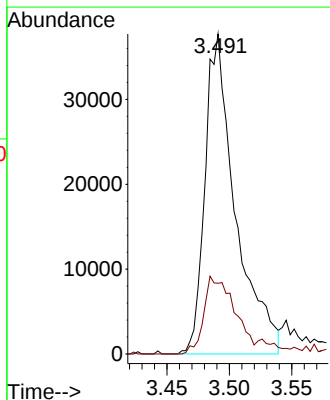
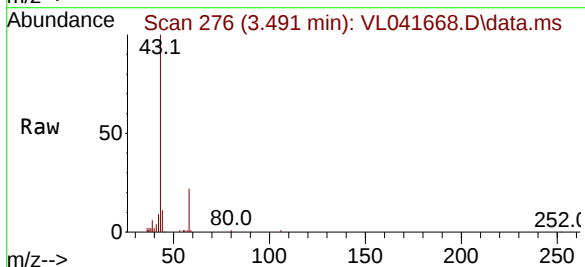
Instrument :
MSVOA_L
ClientSampleId :

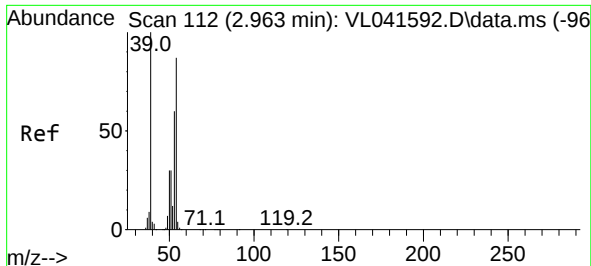
Tgt Ion:108 Resp: 16035
Ion Ratio Lower Upper
108 100
106 117.4 86.5 129.7
79 25.3 16.2 24.4#



#15
Acetone
Concen: 0.507 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 43 Resp: 64114
Ion Ratio Lower Upper
43 100
58 27.8 21.5 32.3

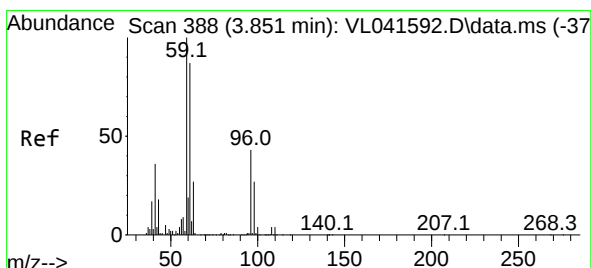
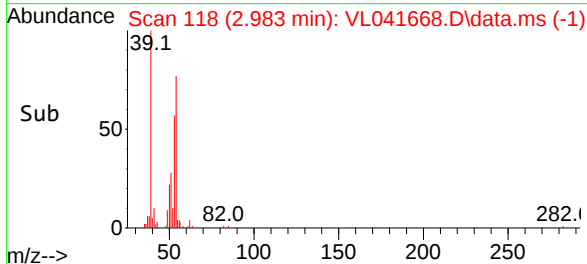
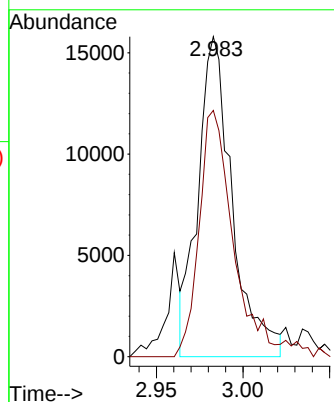
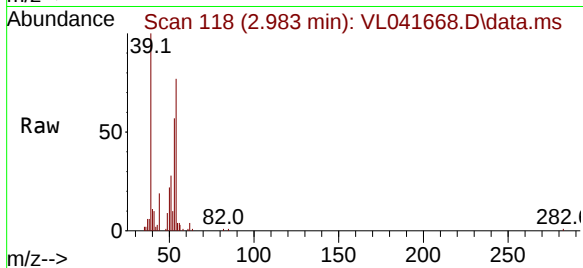




#16
1,3-Butadiene
Concen: 0.354 ppbv
RT: 2.983 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

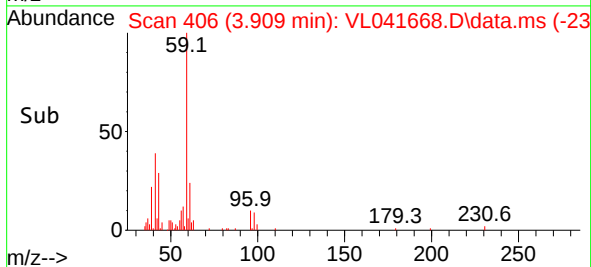
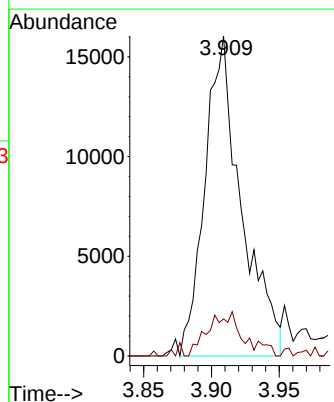
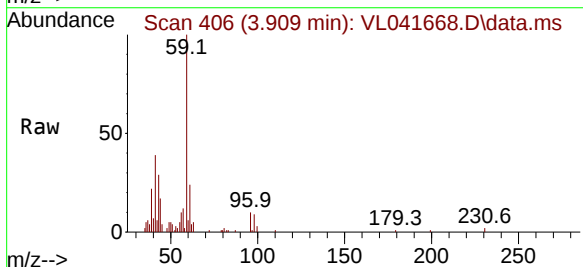
Instrument :
MSVOA_L
ClientSampleId :

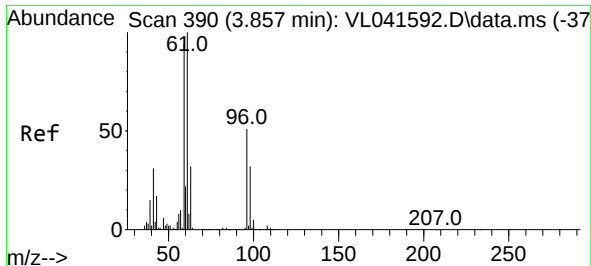
Tgt Ion: 39 Resp: 21752
Ion Ratio Lower Upper
39 100
54 78.9 62.9 94.3



#17
tert-Butyl alcohol
Concen: 0.270 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.058 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

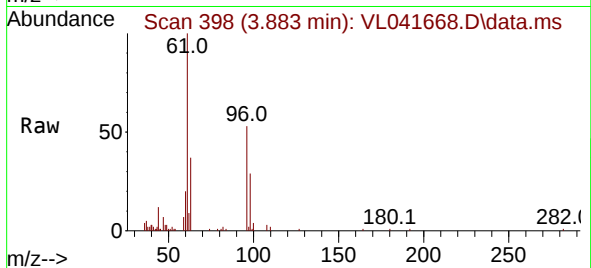
Tgt Ion: 59 Resp: 30076
Ion Ratio Lower Upper
59 100
57 14.2 8.7 13.1#





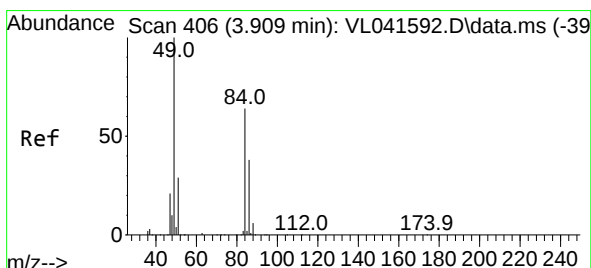
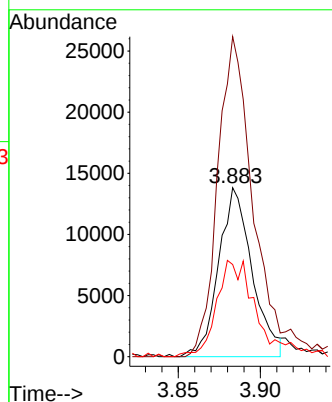
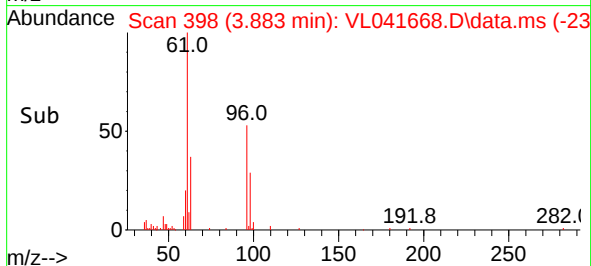
#18
1,1-Dichloroethene
Concen: 0.413 ppbv
RT: 3.883 min Scan# 390
Delta R.T. 0.026 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :

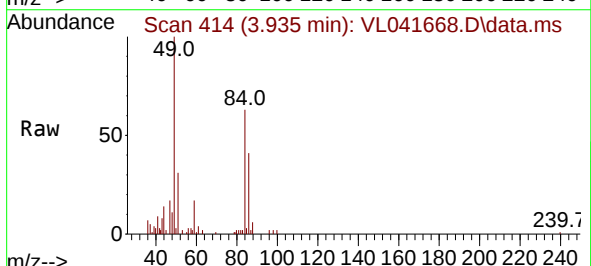


Tgt Ion: 96 Resp: 19576

Ion	Ratio	Lower	Upper
96	100		
61	189.4	155.6	233.4
98	53.0	50.6	75.8

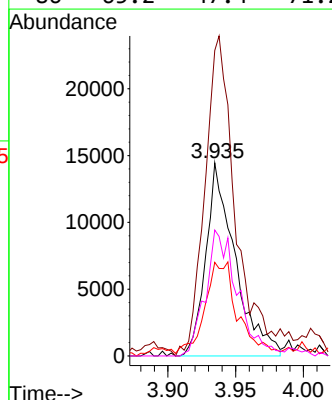
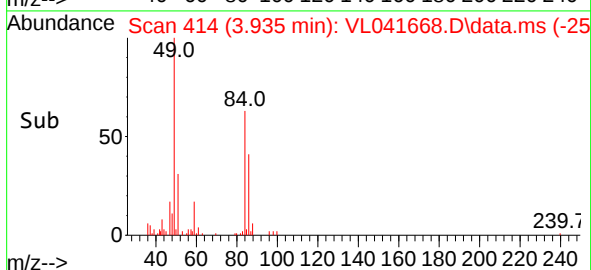


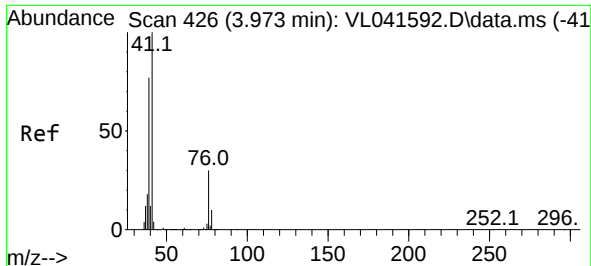
#20
Methylene Chloride
Concen: 0.458 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.026 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00



Tgt Ion: 84 Resp: 21763

Ion	Ratio	Lower	Upper
84	100		
49	153.2	124.3	186.5
51	46.3	36.3	54.5
86	65.2	47.4	71.2

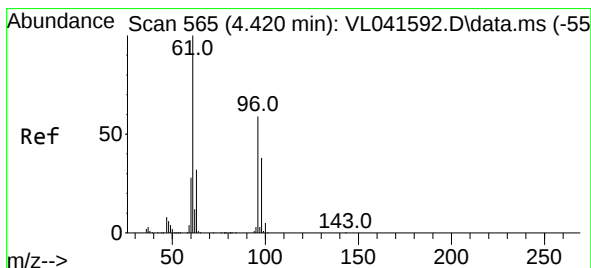
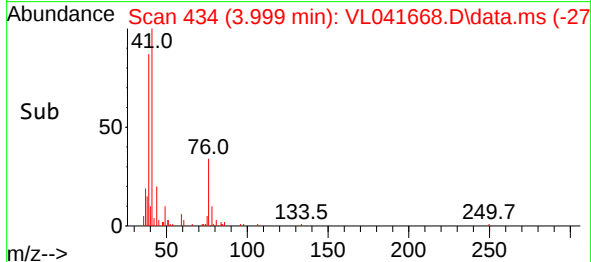
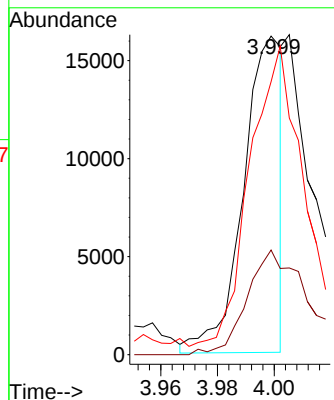
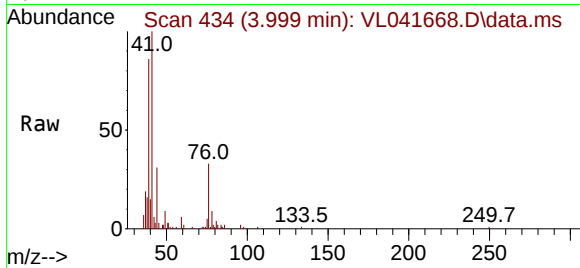




#21
 Allyl Chloride
 Concen: 0.210 ppbv
 RT: 3.999 min Scan# 41
 Delta R.T. 0.026 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

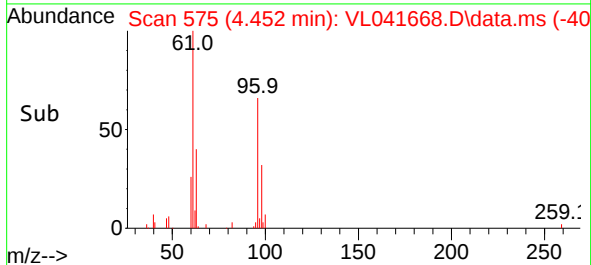
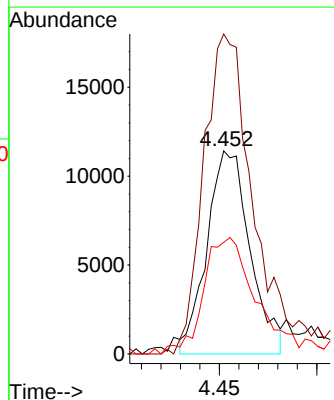
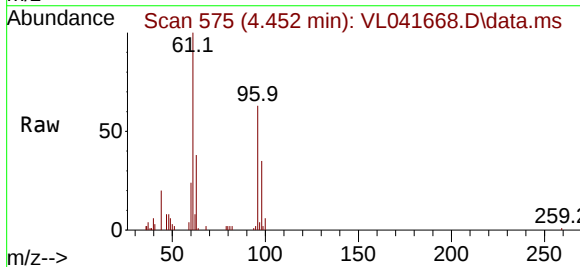
Instrument :
 MSVOA_L
 ClientSampleId :

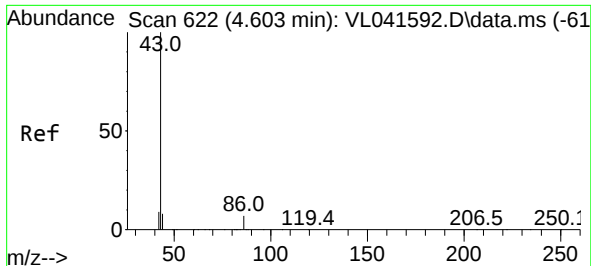
Tgt Ion: 41 Resp: 15357
 Ion Ratio Lower Upper
 41 100
 76 53.0 23.8 35.6#
 39 0.0 63.9 95.9#



#22
 trans-1,2-Dichloroethene
 Concen: 0.370 ppbv
 RT: 4.452 min Scan# 575
 Delta R.T. 0.032 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Tgt Ion: 96 Resp: 17525
 Ion Ratio Lower Upper
 96 100
 61 161.7 135.7 203.5
 98 59.4 50.9 76.3

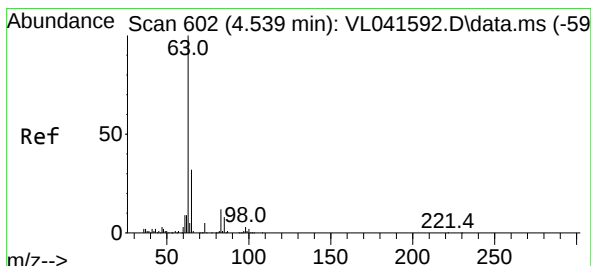
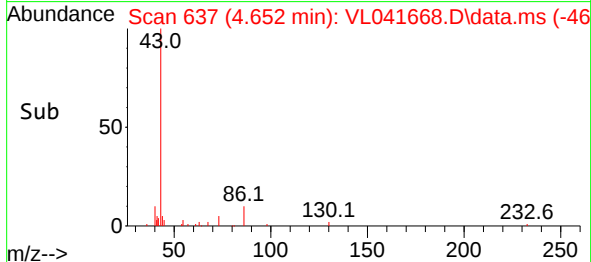
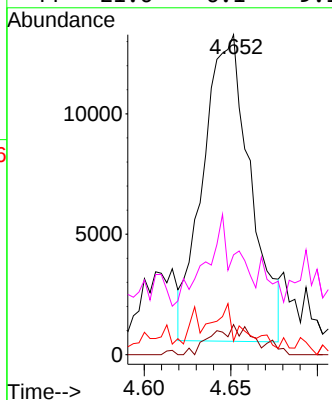
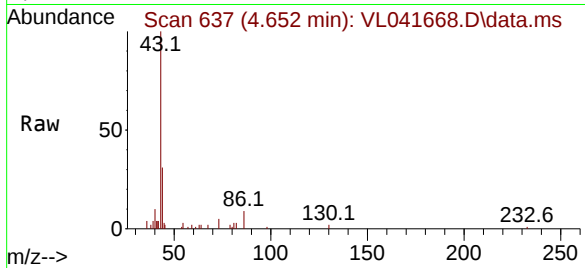




#23
 Vinyl Acetate
 Concen: 0.347 ppbv
 RT: 4.652 min Scan# 611
 Delta R.T. 0.048 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

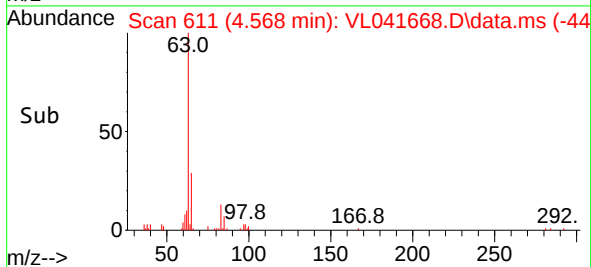
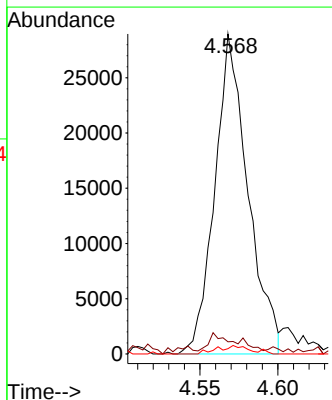
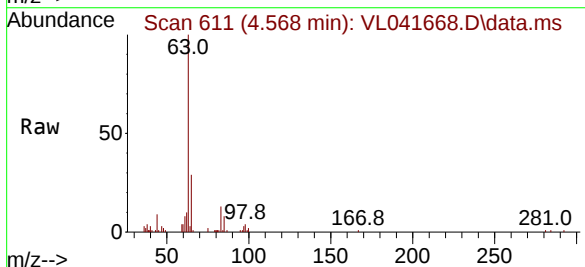
Instrument :
 MSVOA_L
 ClientSampleId :

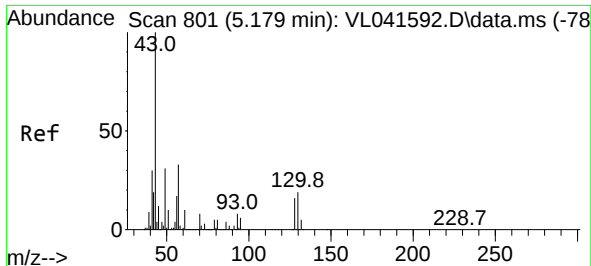
Tgt Ion: 43 Resp: 24112
 Ion Ratio Lower Upper
 43 100
 86 11.8 4.9 7.3#
 42 2.9 8.0 12.0#
 44 21.6 6.1 9.1#



#24
 1,1-Dichloroethane
 Concen: 0.411 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. 0.029 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Tgt Ion: 63 Resp: 42866
 Ion Ratio Lower Upper
 63 100
 98 2.3 1.7 5.1
 100 1.7 1.1 3.3

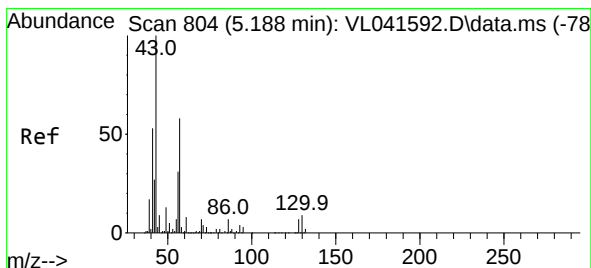
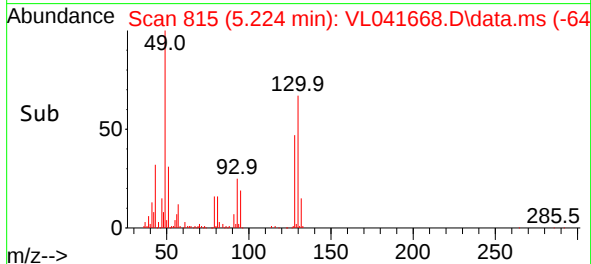
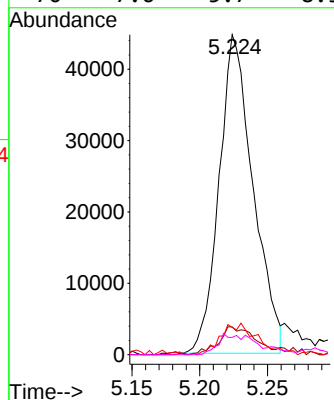
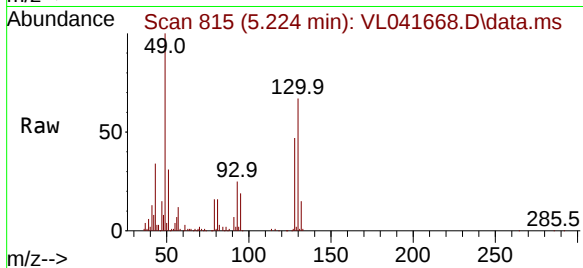




#25
Ethyl Acetate
Concen: 0.343 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.045 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

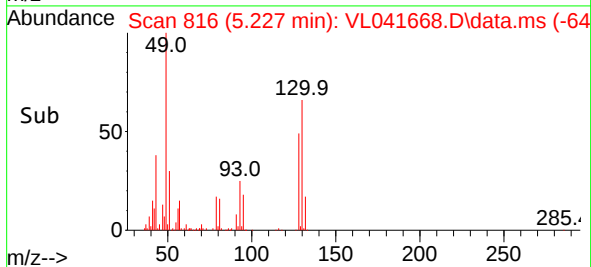
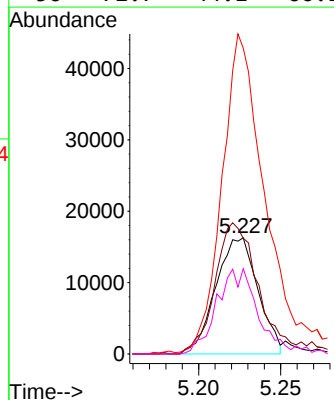
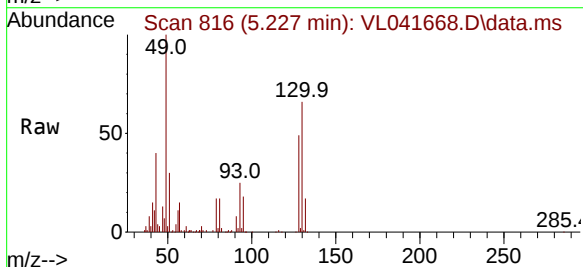
Instrument :
MSVOA_L
ClientSampleId :

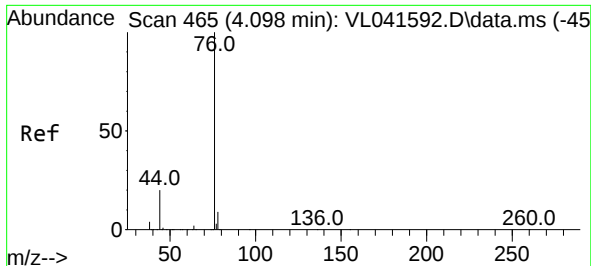
Tgt Ion: 43	Resp: 77805
Ion Ratio	Lower Upper
43 100	
45 10.7	8.2 12.2
61 11.2	8.0 12.0
70 7.6	5.7 8.5



#26
Hexane
Concen: 0.308 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.039 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 57	Resp: 29183
Ion Ratio	Lower Upper
57 100	
41 124.4	75.7 113.5#
43 298.6	198.5 297.7#
56 72.7	44.1 66.1#





#27

Carbon Disulfide

Concen: 0.327 ppbv

RT: 4.131 min Scan# 41

Delta R.T. 0.032 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

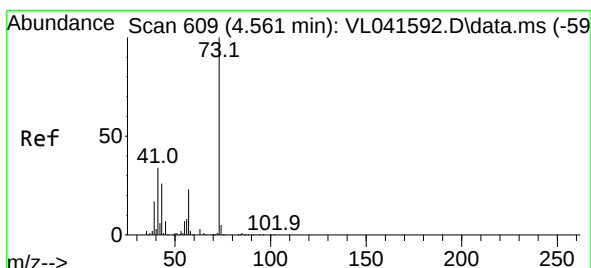
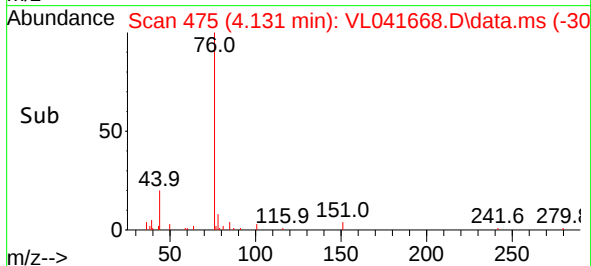
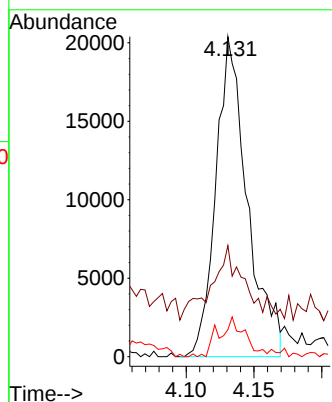
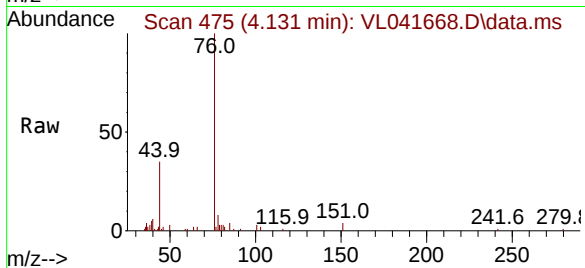
Tgt Ion: 76 Resp: 32886

Ion Ratio Lower Upper

76 100

44 27.9 15.8 23.8#

78 11.7 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.348 ppbv

RT: 4.607 min Scan# 623

Delta R.T. 0.045 min

Lab File: VL041668.D

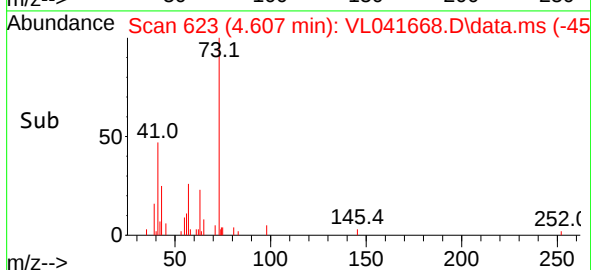
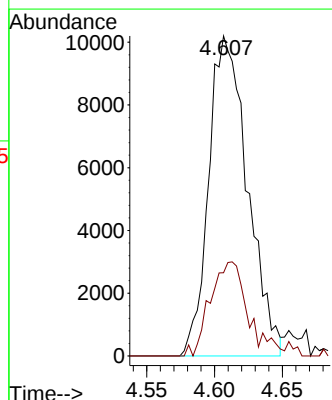
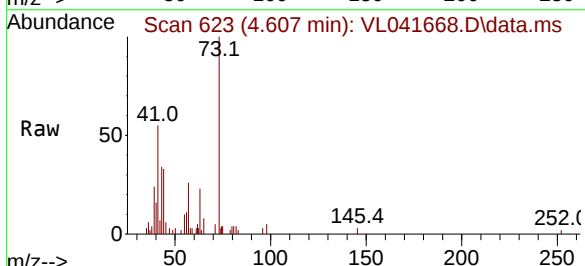
Acq: 14 Oct 2024 15:00

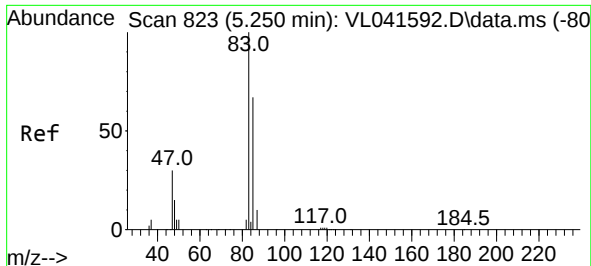
Tgt Ion: 73 Resp: 20296

Ion Ratio Lower Upper

73 100

57 29.5 19.3 28.9#





#29

Chloroform

Concen: 0.409 ppbv

RT: 5.282 min Scan# 81

Delta R.T. 0.032 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

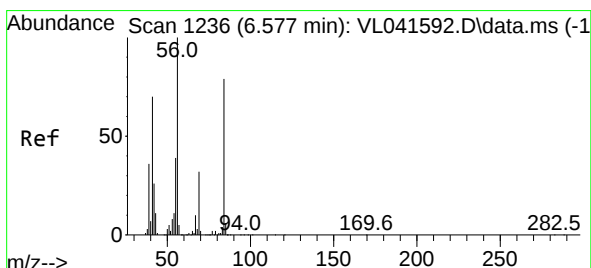
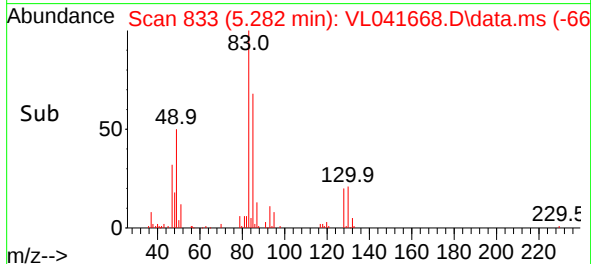
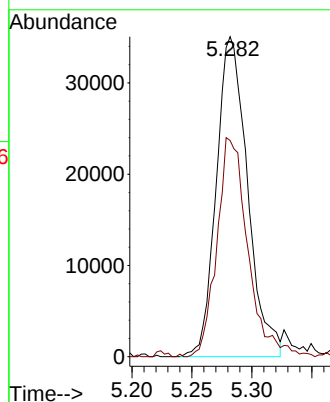
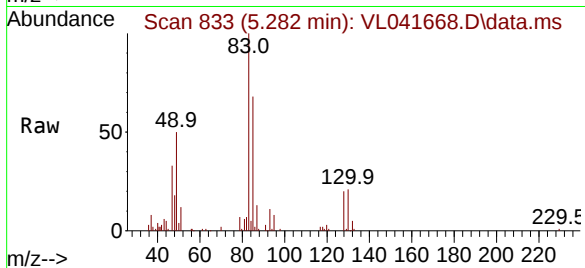
ClientSampleId :

Tgt Ion: 83 Resp: 63417

Ion Ratio Lower Upper

83 100

85 66.8 53.8 80.6



#30

Cyclohexane

Concen: 0.061 ppbv

RT: 6.626 min Scan# 1251

Delta R.T. 0.048 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

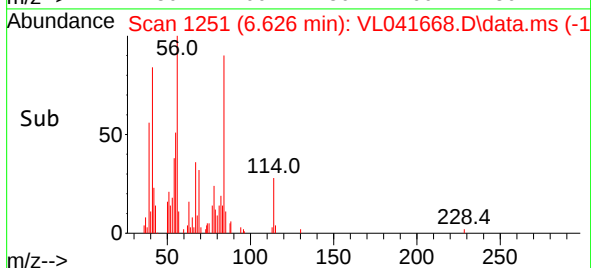
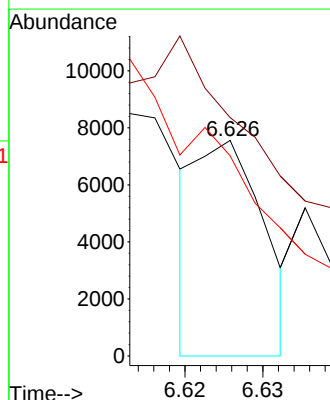
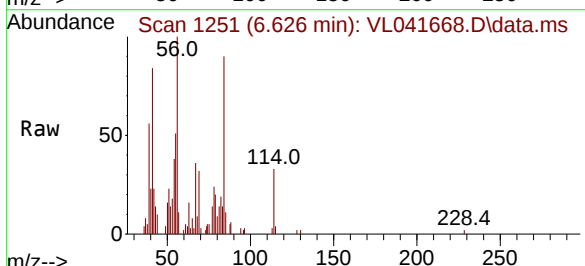
Tgt Ion: 84 Resp: 4484

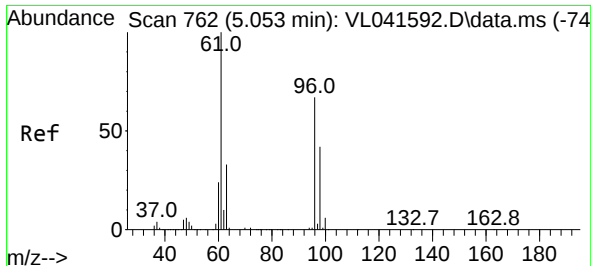
Ion Ratio Lower Upper

84 100

56 464.3 111.5 167.3#

41 0.0 70.9 106.3#

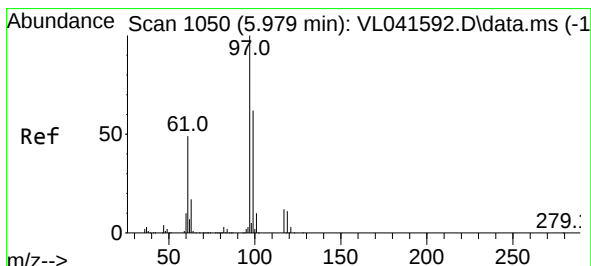
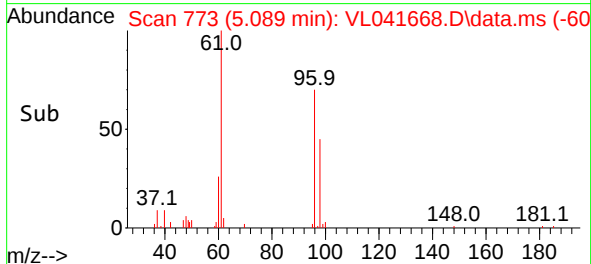
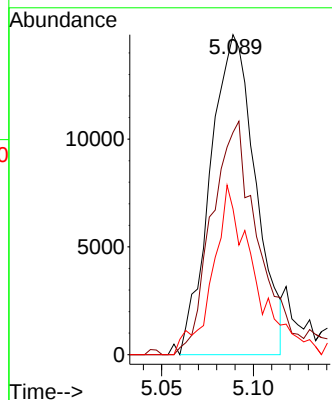
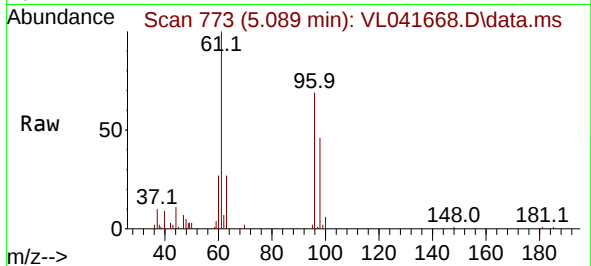




#31
 cis-1,2-Dichloroethene
 Concen: 0.283 ppbv
 RT: 5.089 min Scan# 71
 Delta R.T. 0.035 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

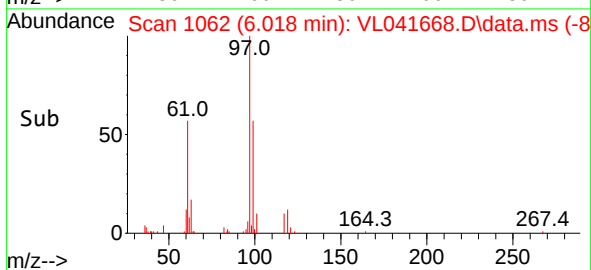
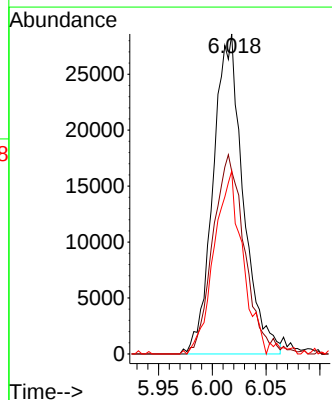
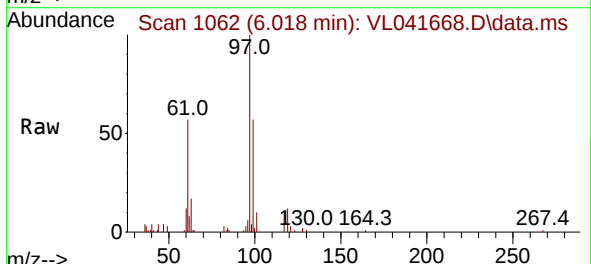
Instrument :
 MSVOA_L
 ClientSampleId :

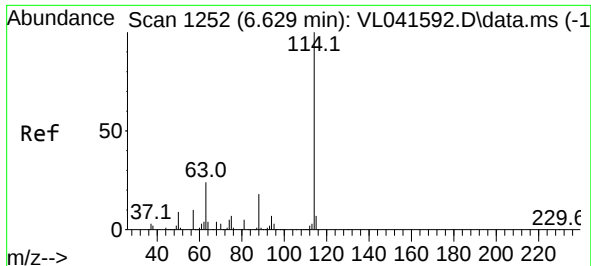
Tgt Ion: 61 Resp: 25427
 Ion Ratio Lower Upper
 61 100
 96 67.3 53.5 80.3
 98 40.7 33.7 50.5



#32
 1,1,1-Trichloroethane
 Concen: 0.403 ppbv
 RT: 6.018 min Scan# 1062
 Delta R.T. 0.039 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

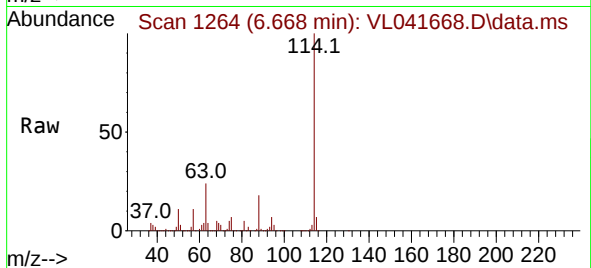
Tgt Ion: 97 Resp: 55602
 Ion Ratio Lower Upper
 97 100
 99 66.5 51.0 76.4
 61 56.1 41.0 61.6



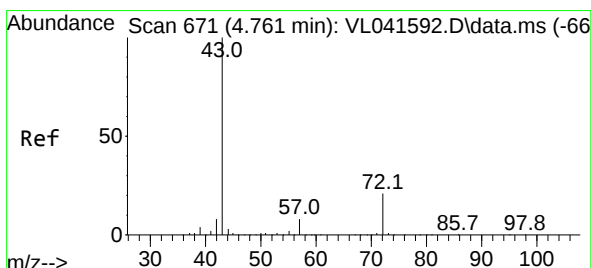
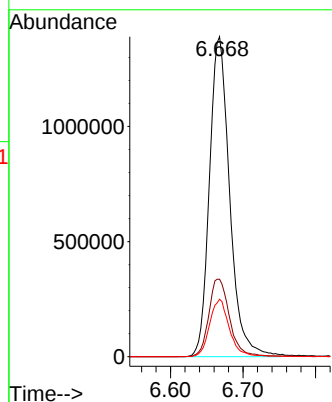
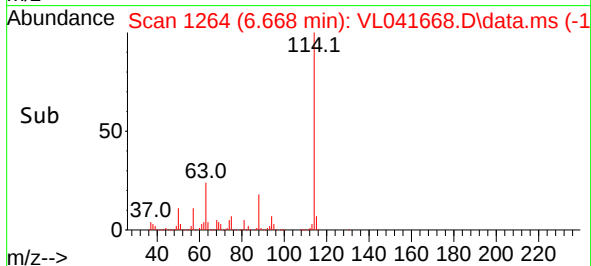


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 114
Delta R.T. 0.039 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :

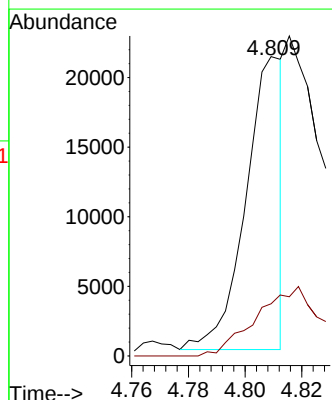
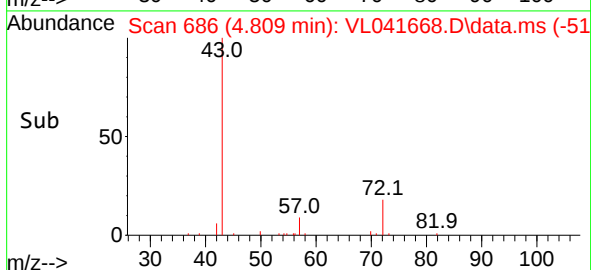
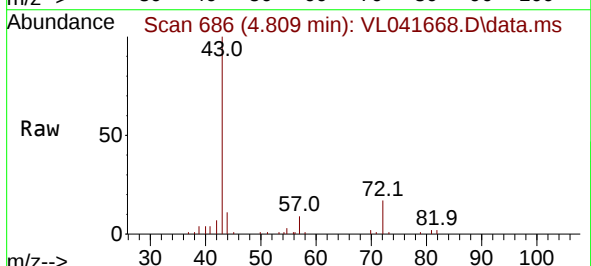


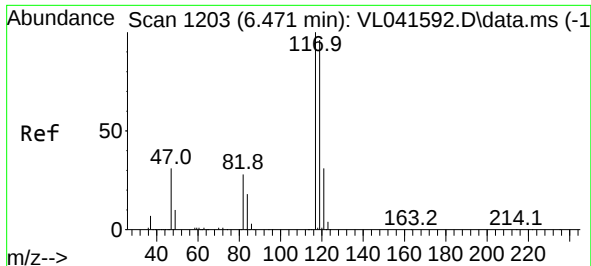
Tgt Ion:114 Resp: 2693747
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.2
88 17.7 14.2 21.4



#34
2-Butanone
Concen: 0.148 ppbv
RT: 4.809 min Scan# 686
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 43 Resp: 19024
Ion Ratio Lower Upper
43 100
72 0.0 16.8 25.2#

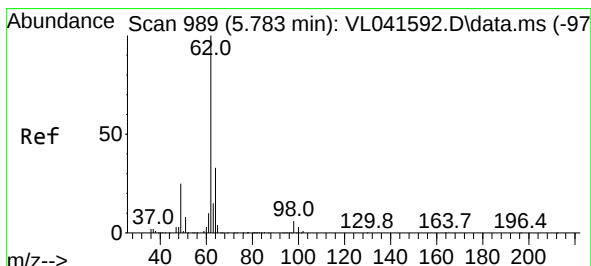
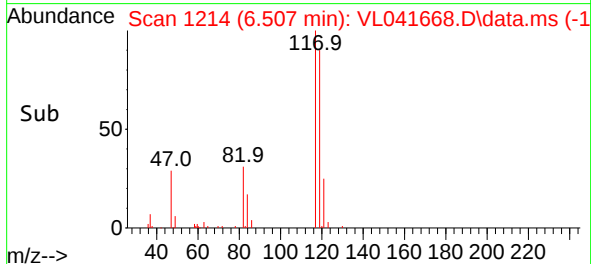
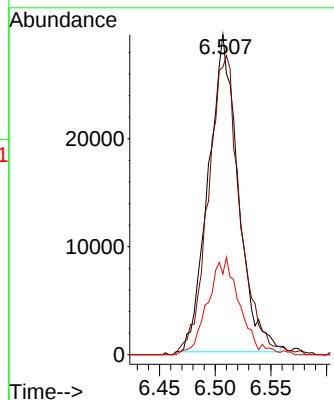
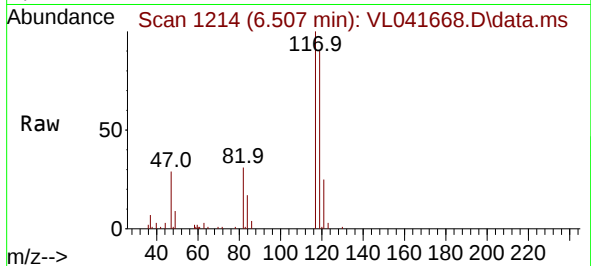




#35
Carbon Tetrachloride
Concen: 0.415 ppbv
RT: 6.507 min Scan# 117
Delta R.T. 0.035 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

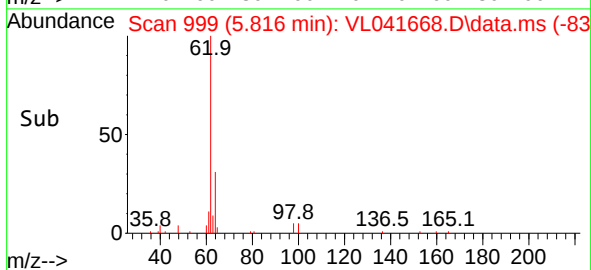
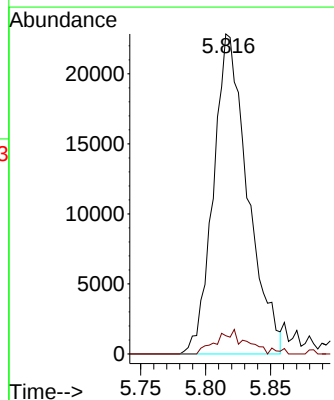
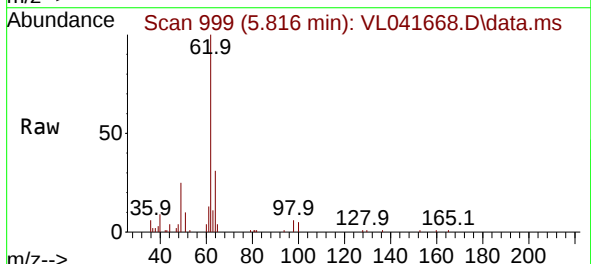
Instrument :
MSVOA_L
ClientSampleId :

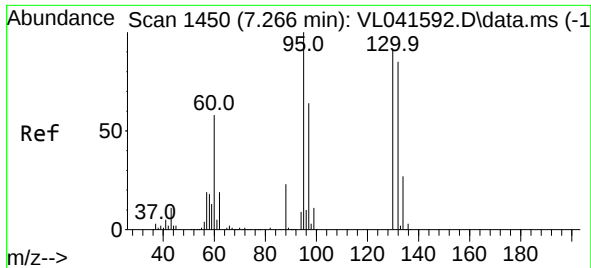
Tgt Ion:117 Resp: 54786
Ion Ratio Lower Upper
117 100
119 88.4 76.8 115.2
121 24.8 25.0 37.6#



#37
1,2-Dichloroethane
Concen: 0.386 ppbv
RT: 5.816 min Scan# 999
Delta R.T. 0.032 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 62 Resp: 41905
Ion Ratio Lower Upper
62 100
98 6.9 4.8 7.2



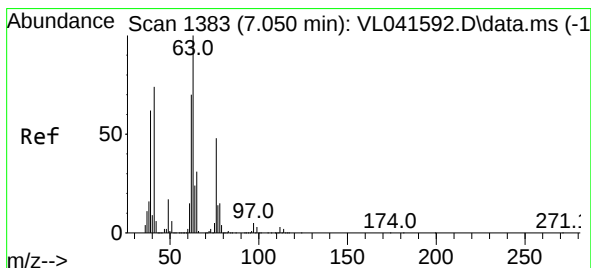
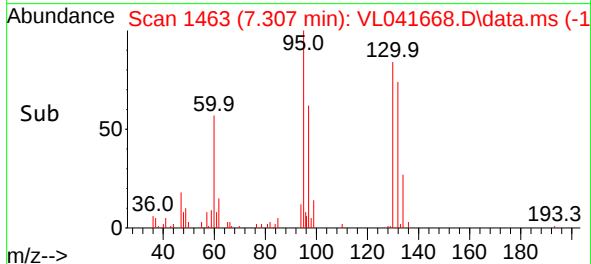
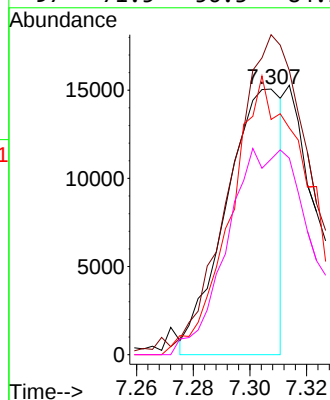
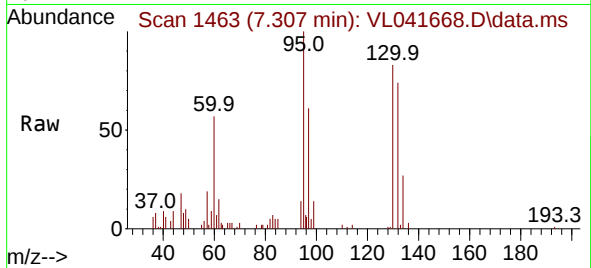


#38
 Trichloroethene
 Concen: 0.211 ppbv
 RT: 7.307 min Scan# 1450
 Delta R.T. 0.042 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:130 Resp: 20351

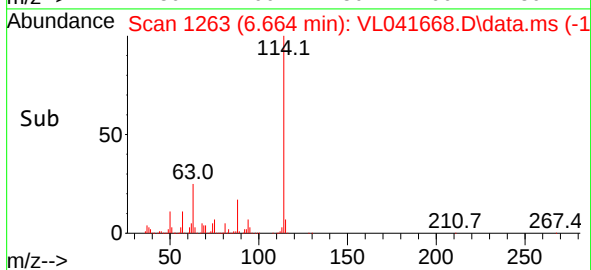
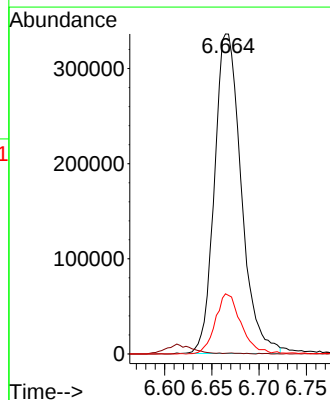
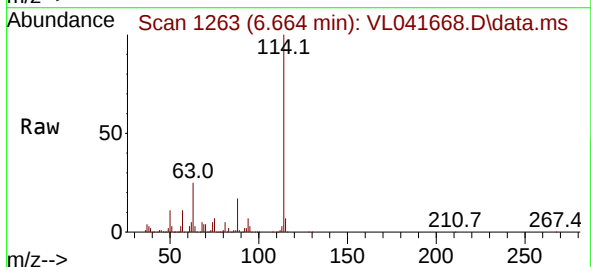
Ion	Ratio	Lower	Upper
130	100		
95	120.7	87.7	131.5
132	85.9	74.5	111.7
97	71.5	56.3	84.5

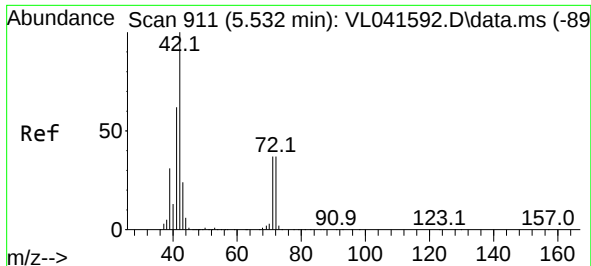


#39
 1,2-Dichloropropane
 Concen: 8.676 ppbv
 RT: 6.664 min Scan# 1263
 Delta R.T. -0.386 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Tgt Ion: 63 Resp: 660274

Ion	Ratio	Lower	Upper
63	100		
41	0.2	59.5	89.3#
62	18.8	56.2	84.2#

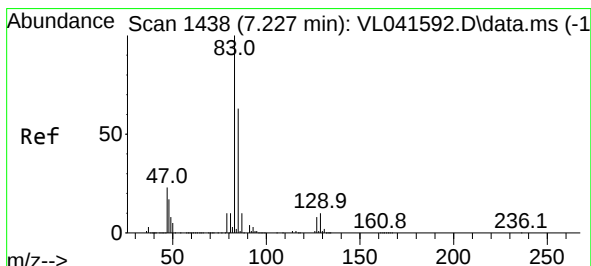
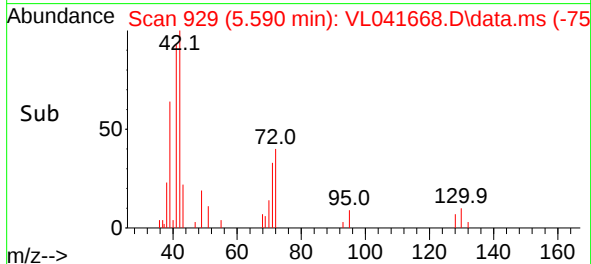
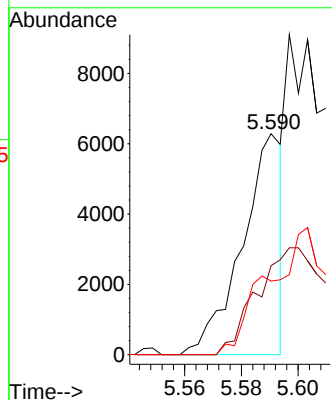
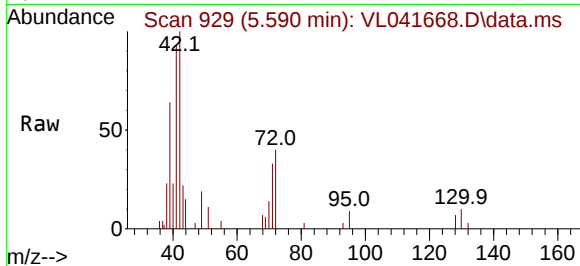




#41
Tetrahydrofuran
Concen: 0.087 ppbv
RT: 5.590 min Scan# 911
Delta R.T. 0.058 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

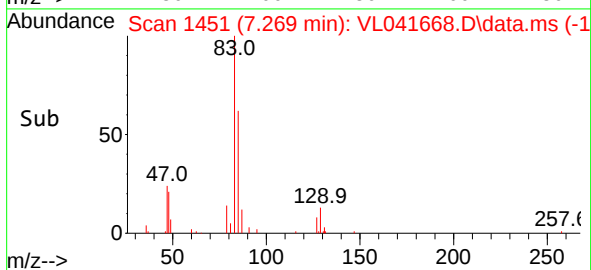
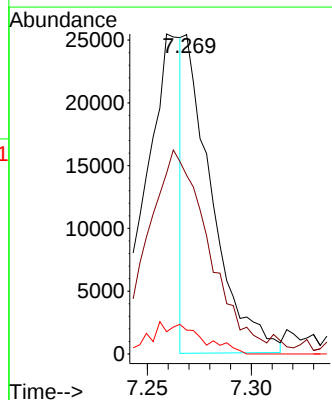
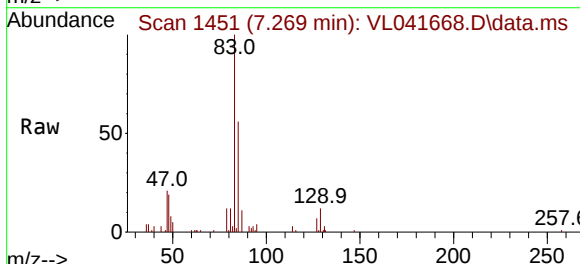
Instrument :
MSVOA_L
ClientSampleId :

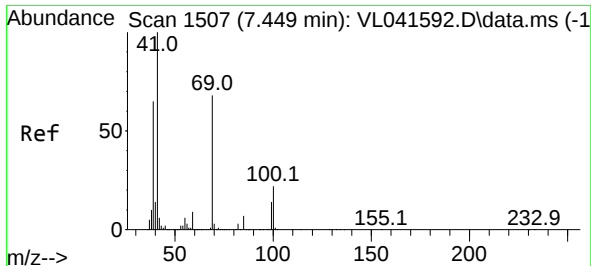
Tgt Ion: 42 Resp: 6164
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2#
71 0.0 29.6 44.4#



#42
Bromodichloromethane
Concen: 0.158 ppbv
RT: 7.269 min Scan# 1451
Delta R.T. 0.042 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 83 Resp: 23911
Ion Ratio Lower Upper
83 100
85 53.6 50.5 75.7
127 7.8 6.5 9.7

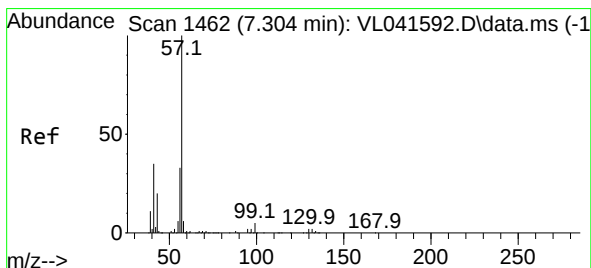
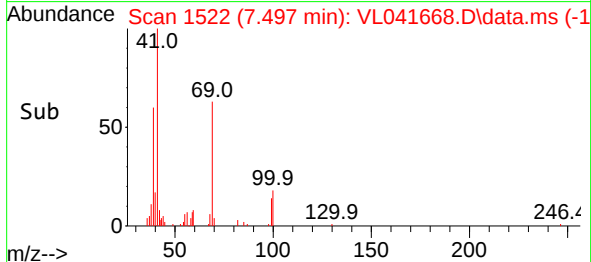
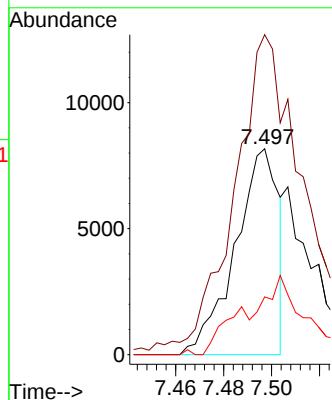
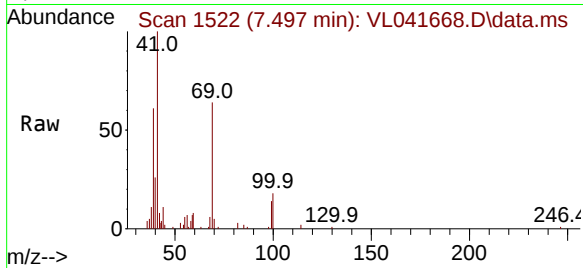




#43
Methyl Methacrylate
Concen: 0.152 ppbv
RT: 7.497 min Scan# 11
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

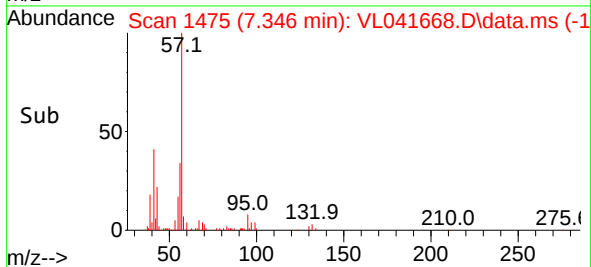
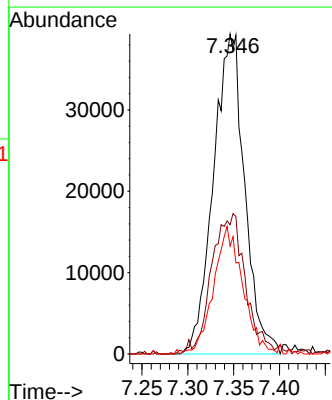
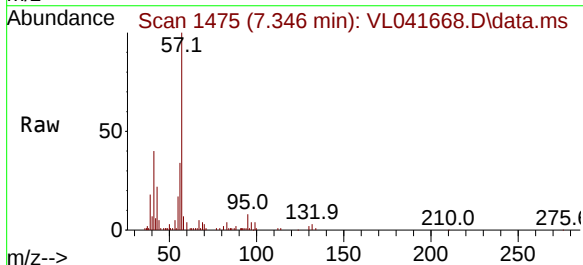
Instrument :
MSVOA_L
ClientSampleId :

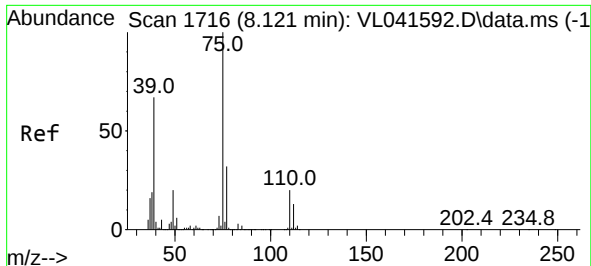
Tgt Ion: 69 Resp: 10203
Ion Ratio Lower Upper
69 100
41 245.2 121.8 182.6#
100 0.0 26.5 39.7#



#44
2,2,4-Trimethylpentane
Concen: 0.288 ppbv
RT: 7.346 min Scan# 1475
Delta R.T. 0.042 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 57 Resp: 93230
Ion Ratio Lower Upper
57 100
41 48.0 27.0 40.6#
56 37.6 25.5 38.3

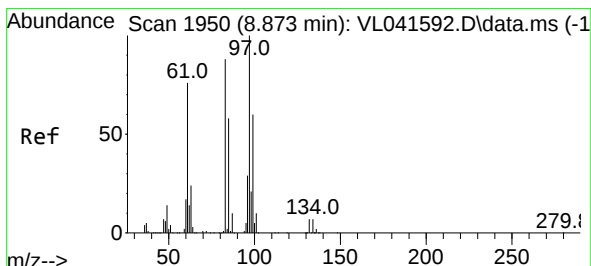
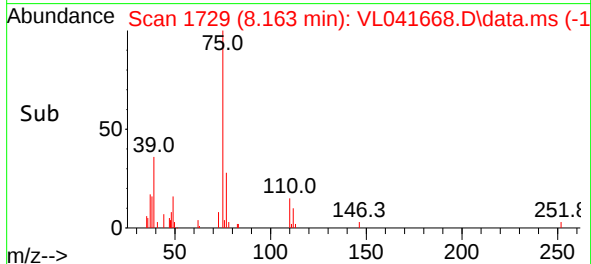
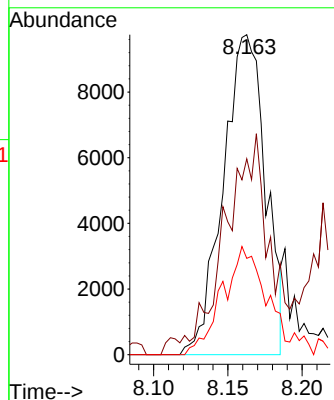
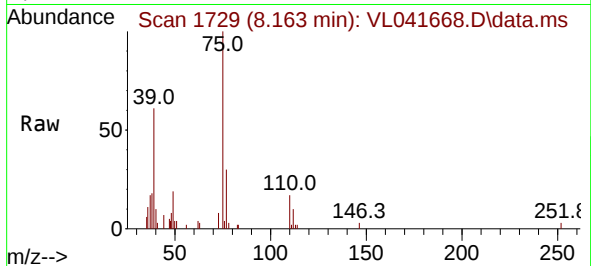




#46
 cis-1,3-Dichloropropene
 Concen: 0.245 ppbv
 RT: 8.163 min Scan# 1
 Delta R.T. 0.042 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

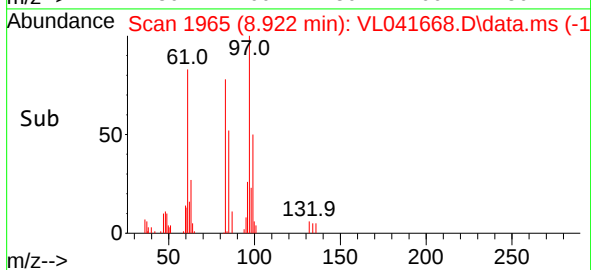
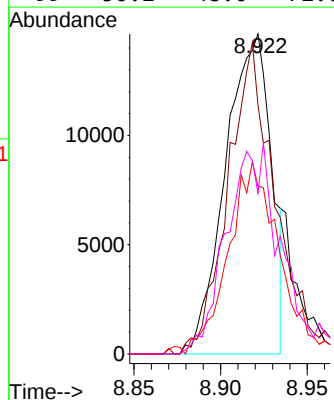
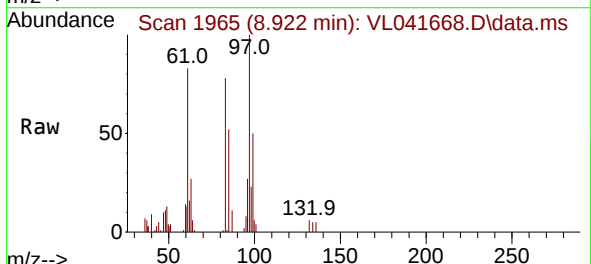
Instrument :
 MSVOA_L
 ClientSampleId :

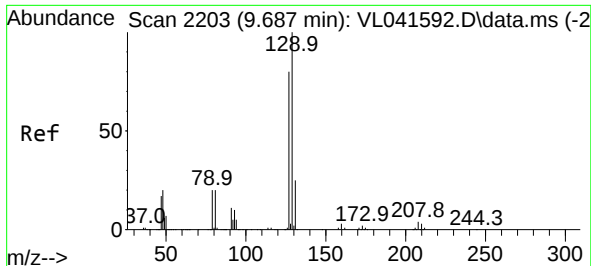
Tgt Ion: 75 Resp: 19356
 Ion Ratio Lower Upper
 75 100
 39 51.9 54.0 81.0#
 77 30.1 25.2 37.8



#47
 1,1,2-Trichloroethane
 Concen: 0.333 ppbv
 RT: 8.922 min Scan# 1965
 Delta R.T. 0.048 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Tgt Ion: 97 Resp: 26934
 Ion Ratio Lower Upper
 97 100
 83 77.8 70.2 105.4
 85 50.3 46.3 69.5
 99 50.2 48.0 72.0

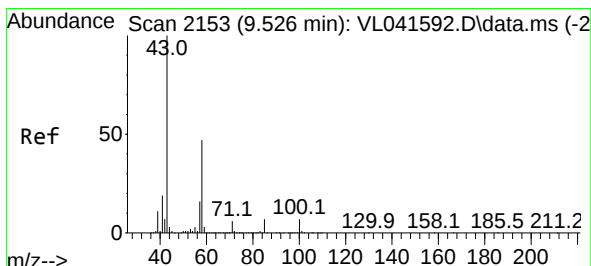
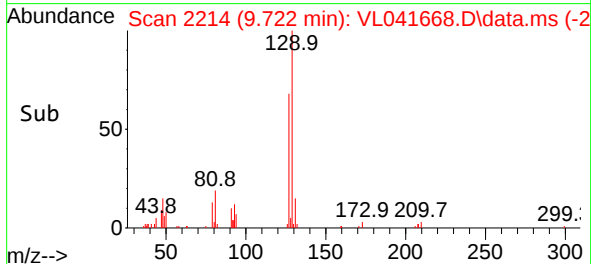
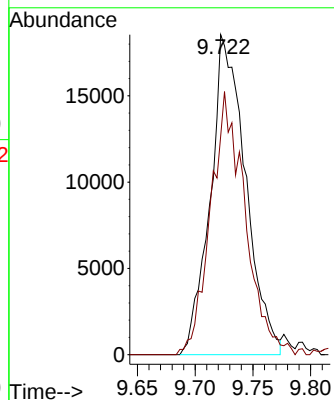
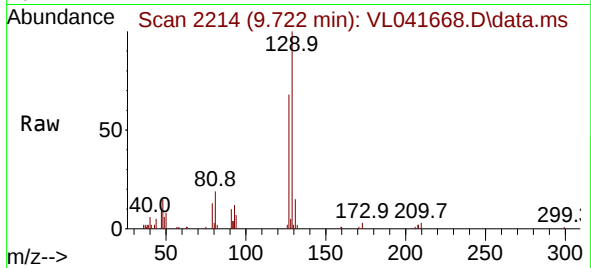




#48
 Dibromochloromethane
 Concen: 0.321 ppbv
 RT: 9.722 min Scan# 2174
 Delta R.T. 0.035 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

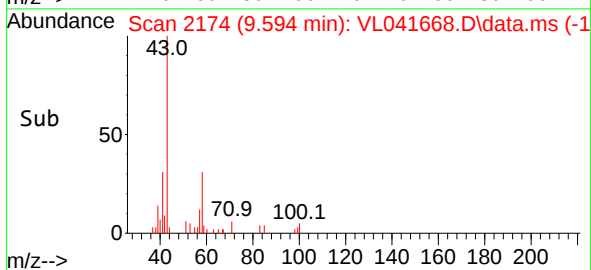
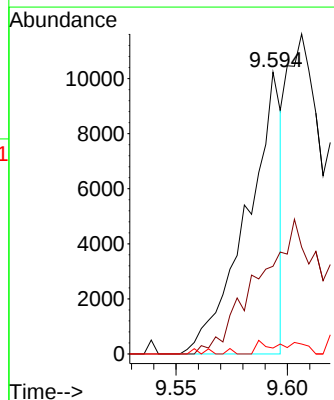
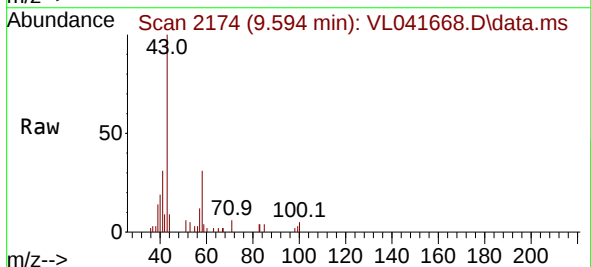
Instrument :
 MSVOA_L
 ClientSampleId :

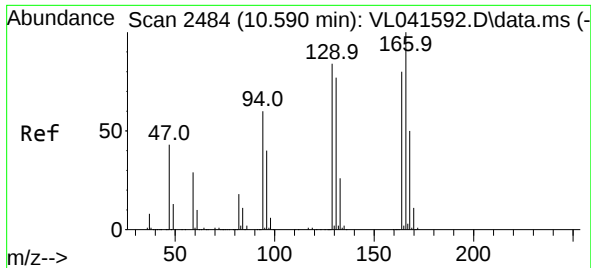
Tgt Ion:129 Resp: 39327
 Ion Ratio Lower Upper
 129 100
 127 81.4 39.3 117.9



#51
 2-Hexanone
 Concen: 0.073 ppbv
 RT: 9.594 min Scan# 2174
 Delta R.T. 0.068 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

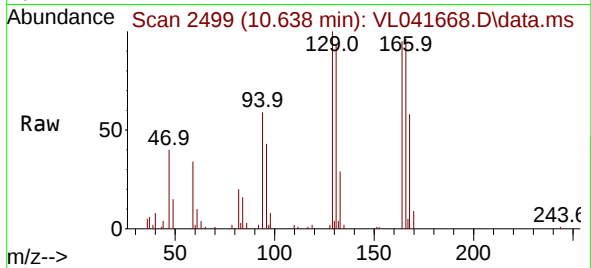
Tgt Ion: 43 Resp: 10953
 Ion Ratio Lower Upper
 43 100
 58 0.0 37.2 55.8#
 98 0.0 0.5 0.7#



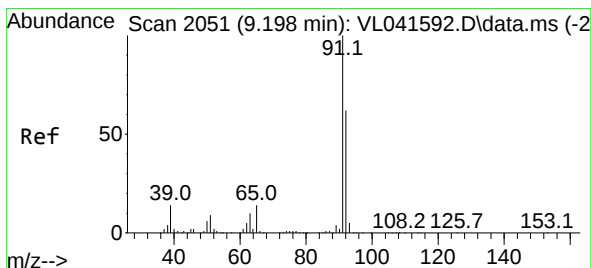
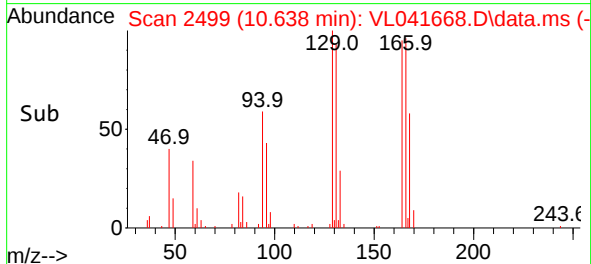
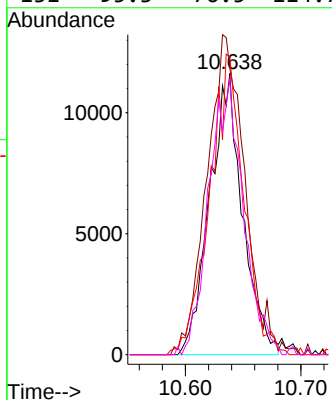


#52
Tetrachloroethene
Concen: 0.340 ppbv
RT: 10.638 min Scan# 2484
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :

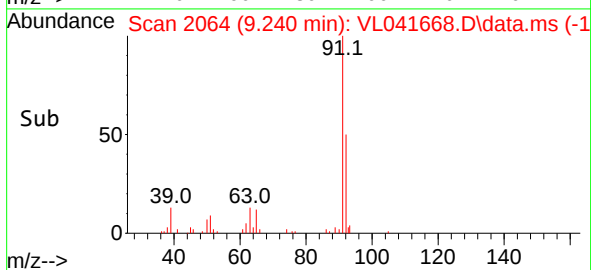
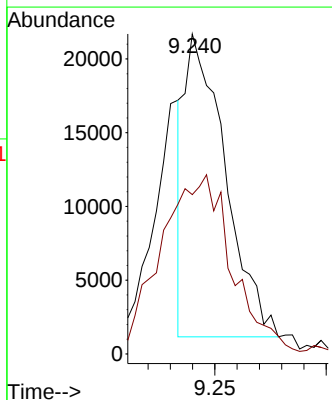
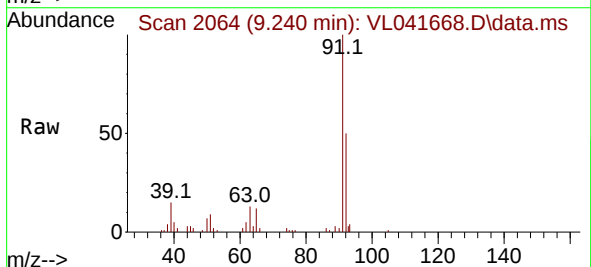


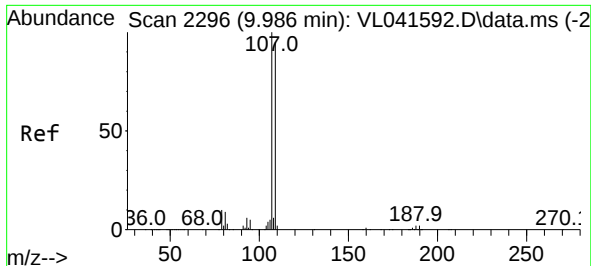
Tgt Ion:164 Resp: 23059
Ion Ratio Lower Upper
164 100
166 100.2 99.4 149.2
129 103.8 83.5 125.3
131 95.3 76.5 114.7



#53
Toluene
Concen: 0.131 ppbv
RT: 9.240 min Scan# 2064
Delta R.T. 0.042 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 91 Resp: 26058
Ion Ratio Lower Upper
91 100
92 107.2 48.9 73.3#

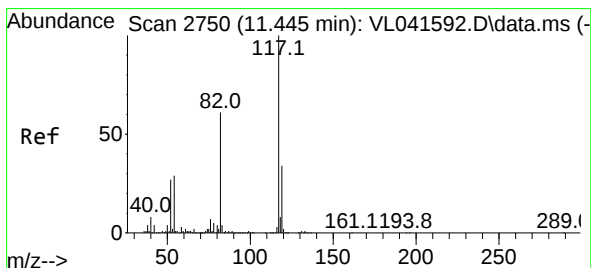
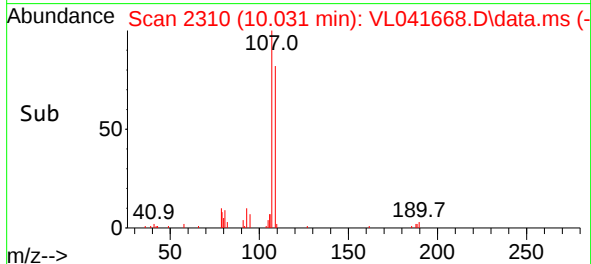
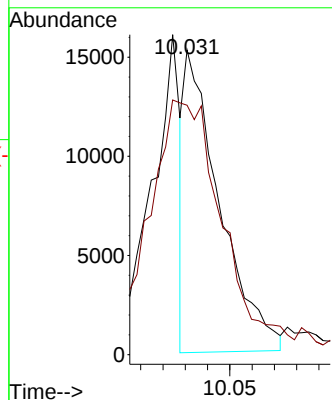
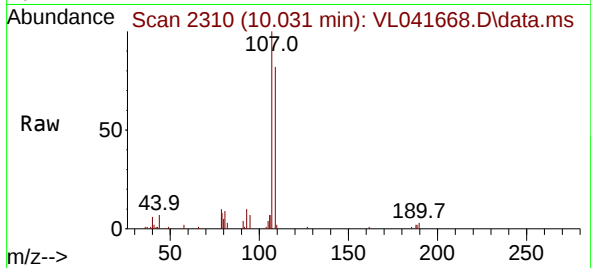




#54
1,2-Dibromoethane
Concen: 0.169 ppbv
RT: 10.031 min Scan# 21
Delta R.T. 0.045 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

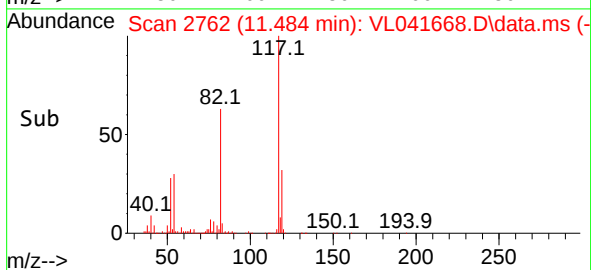
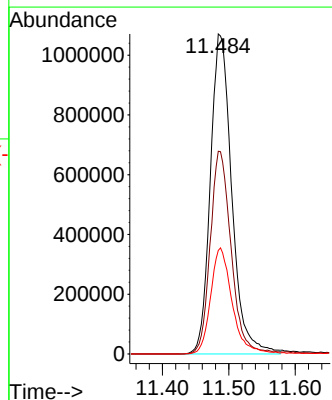
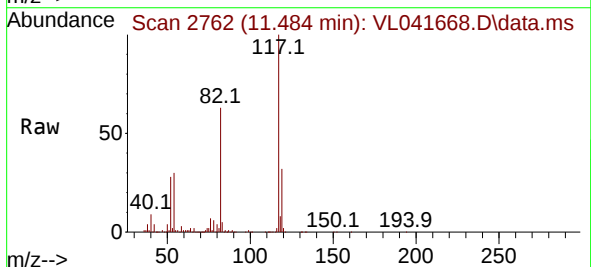
Instrument :
MSVOA_L
ClientSampleId :

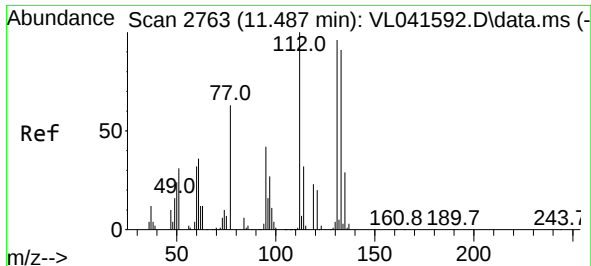
Tgt Ion:107 Resp: 16786
Ion Ratio Lower Upper
107 100
109 77.3 75.7 113.5



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.039 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion:117 Resp: 2403576
Ion Ratio Lower Upper
117 100
82 62.8 49.4 74.2
119 33.7 24.4 36.6

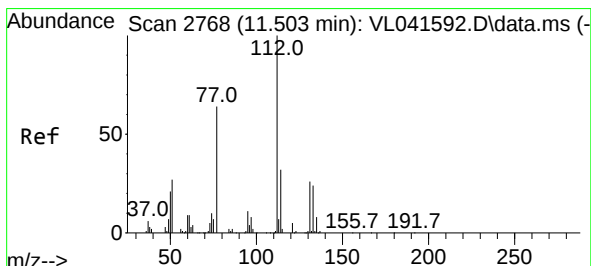
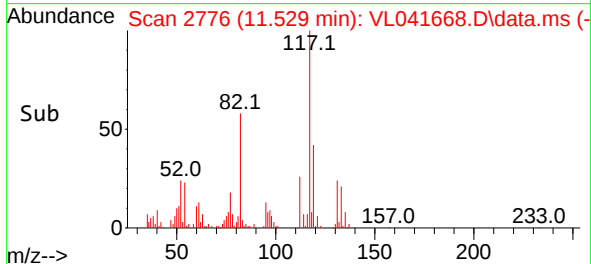
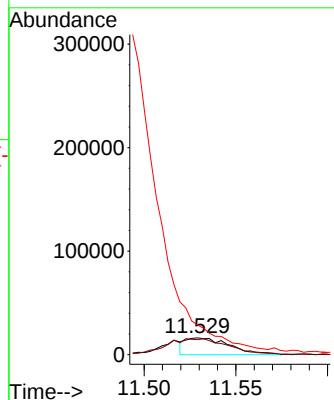
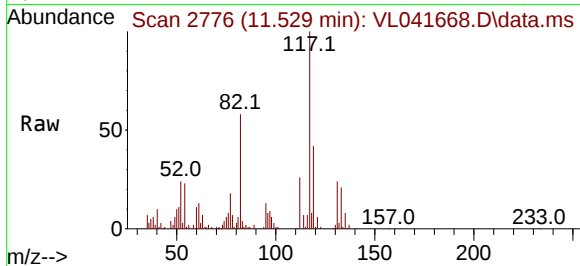




#56
1,1,1,2-Tetrachloroethane
Concen: 0.289 ppbv
RT: 11.529 min Scan# 2776
Delta R.T. 0.042 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

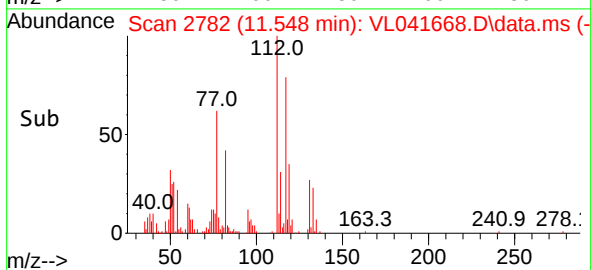
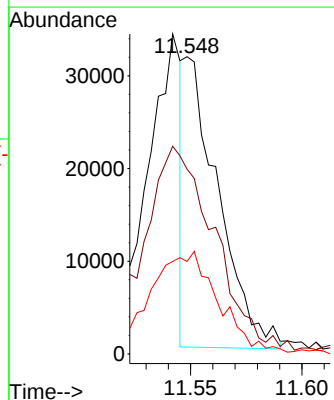
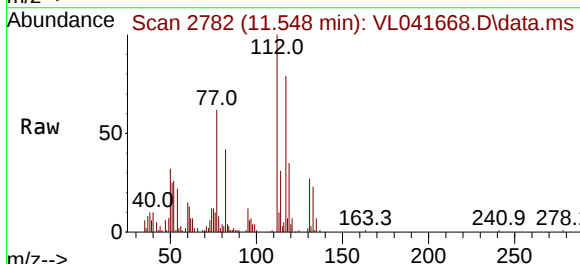
Instrument :
MSVOA_L
ClientSampleId :

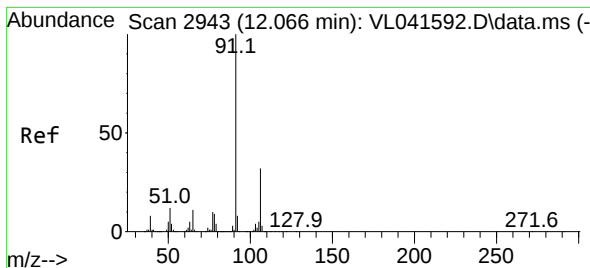
Tgt Ion:131 Resp: 27155
Ion Ratio Lower Upper
131 100
133 138.8 76.6 115.0#
119 0.0 48.5 72.7#



#57
Chlorobenzene
Concen: 0.192 ppbv
RT: 11.548 min Scan# 2782
Delta R.T. 0.045 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion:112 Resp: 33224
Ion Ratio Lower Upper
112 100
77 62.3 52.0 78.0
114 30.7 28.6 35.0





#58

Ethyl Benzene

Concen: 0.249 ppbv

RT: 12.111 min Scan# 2943

Delta R.T. 0.045 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

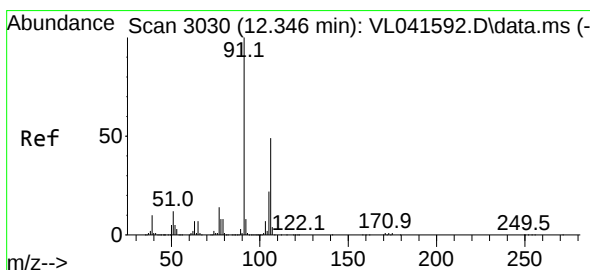
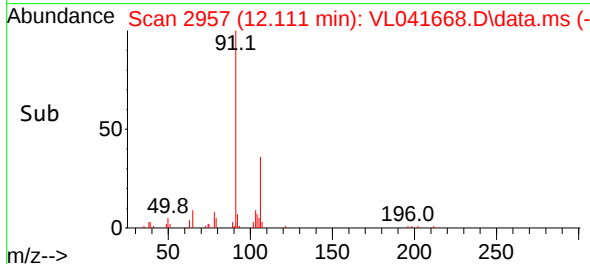
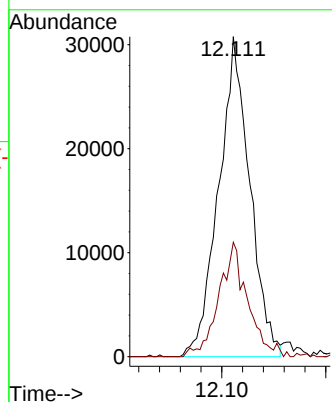
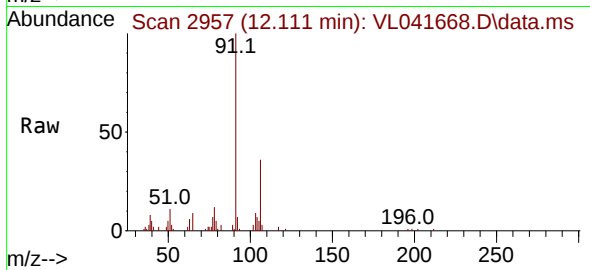
ClientSampleId :

Tgt Ion: 91 Resp: 63976

Ion Ratio Lower Upper

91 100

106 35.7 25.8 38.6



#59

m/p-Xylene

Concen: 0.095 ppbv

RT: 12.388 min Scan# 3043

Delta R.T. 0.042 min

Lab File: VL041668.D

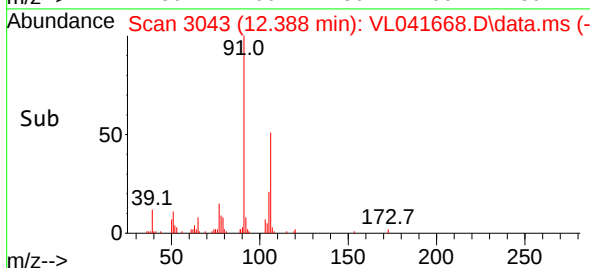
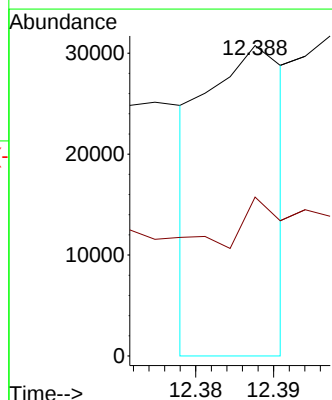
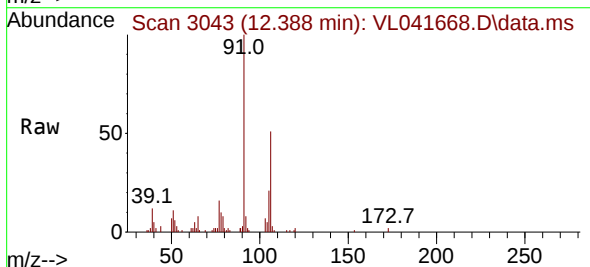
Acq: 14 Oct 2024 15:00

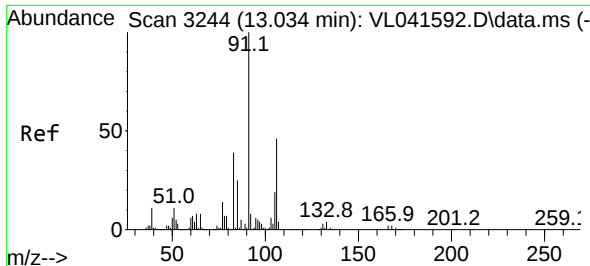
Tgt Ion: 91 Resp: 21861

Ion Ratio Lower Upper

91 100

106 244.9 36.8 55.2#

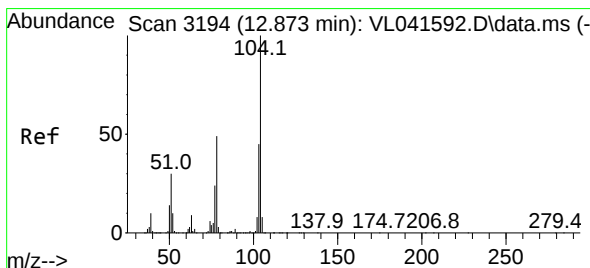
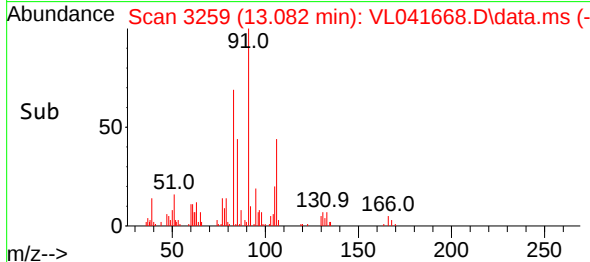
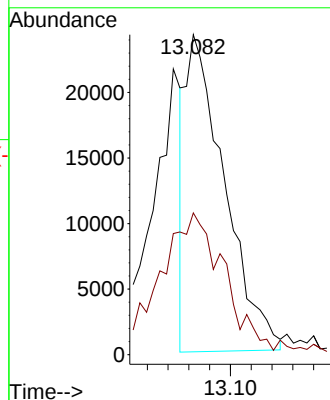
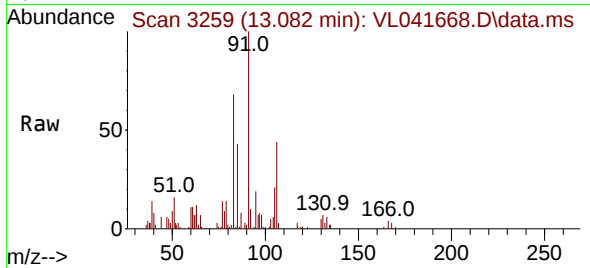




#60
o-Xylene
Concen: 0.143 ppbv
RT: 13.082 min Scan# 31394
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

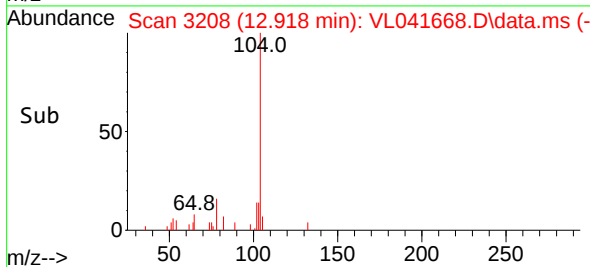
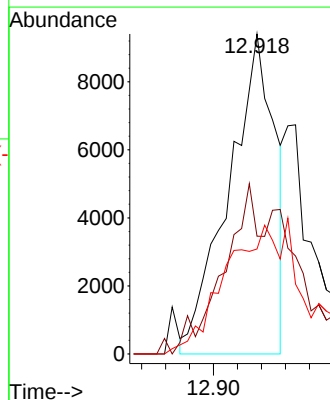
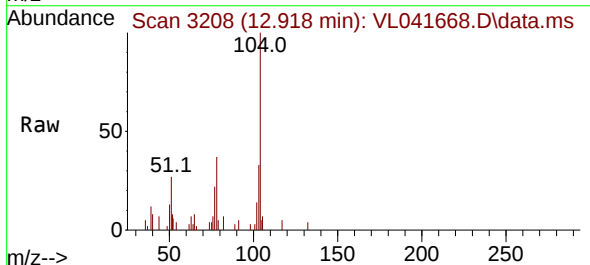
Instrument :
MSVOA_L
ClientSampleId :

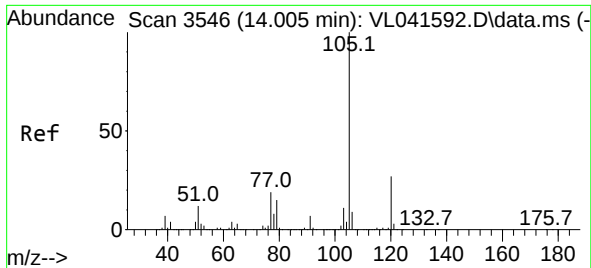
Tgt Ion: 91 Resp: 31394
Ion Ratio Lower Upper
91 100
106 80.0 23.1 69.3#



#61
Styrene
Concen: 0.137 ppbv
RT: 12.918 min Scan# 3208
Delta R.T. 0.045 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion:104 Resp: 12542
Ion Ratio Lower Upper
104 100
78 85.5 39.8 59.6#
103 0.0 37.4 56.0#

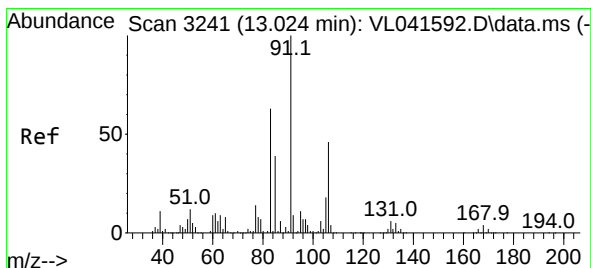
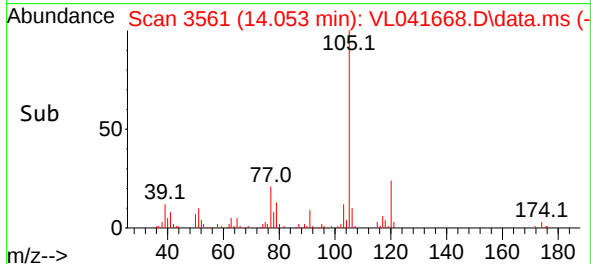
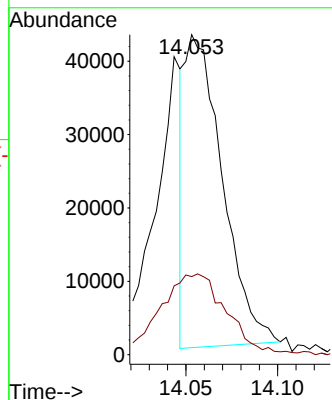
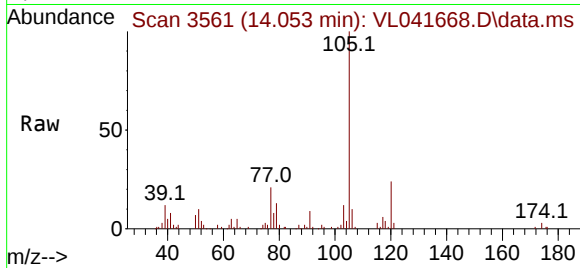




#62
Isopropylbenzene
Concen: 0.182 ppbv
RT: 14.053 min Scan# 31
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

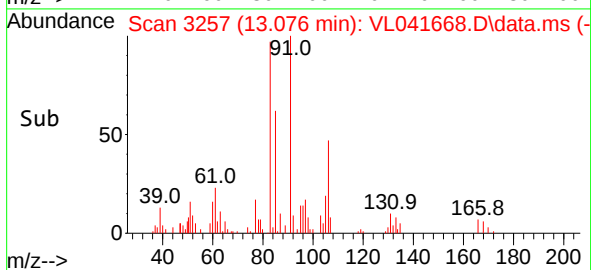
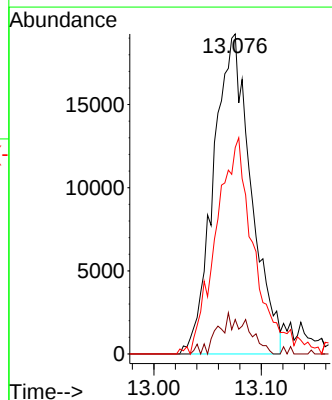
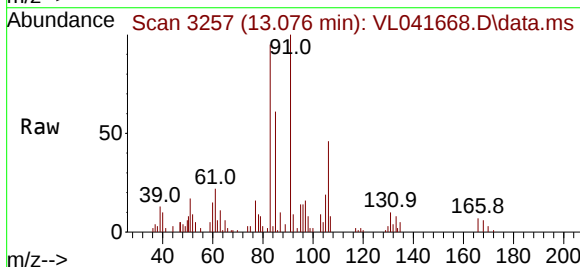
Instrument :
MSVOA_L
ClientSampleId :

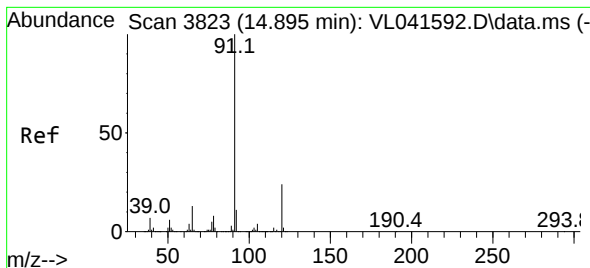
Tgt Ion:105 Resp: 60679
Ion Ratio Lower Upper
105 100
120 46.3 20.9 31.3#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.416 ppbv
RT: 13.076 min Scan# 3257
Delta R.T. 0.052 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

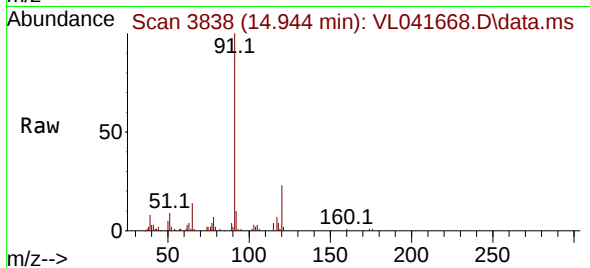
Tgt Ion: 83 Resp: 46742
Ion Ratio Lower Upper
83 100
131 10.2 4.8 14.4
85 69.4 32.5 97.4



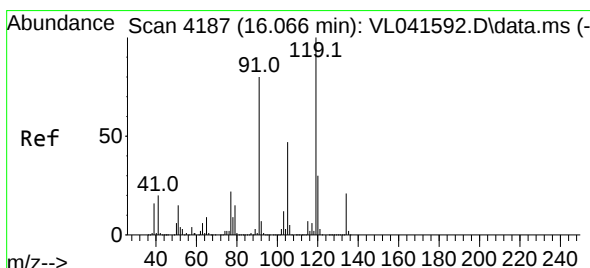
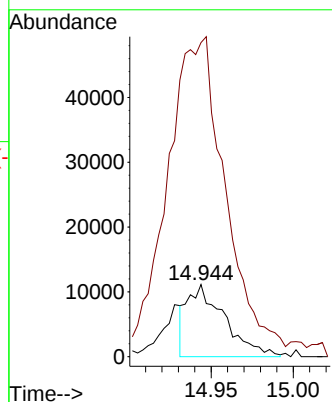
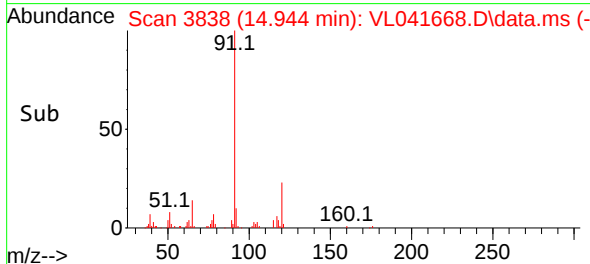


#64
n-propylbenzene
Concen: 0.205 ppbv
RT: 14.944 min Scan# 31
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :

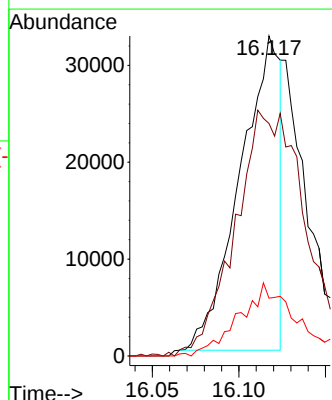
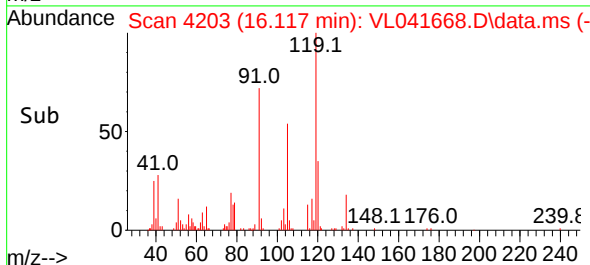
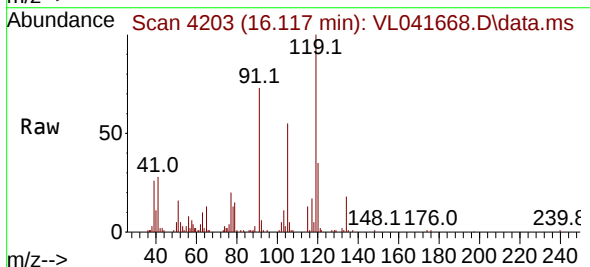


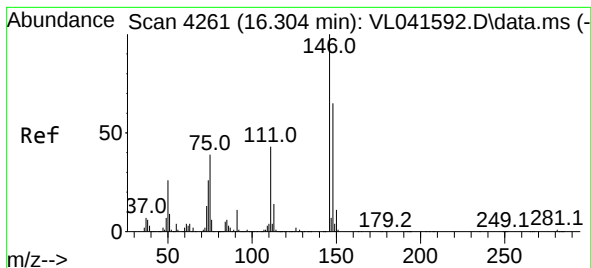
Tgt Ion:120 Resp: 17590
Ion Ratio Lower Upper
120 100
91 741.3 366.4 549.6#



#65
tert-Butylbenzene
Concen: 0.172 ppbv
RT: 16.117 min Scan# 4203
Delta R.T. 0.052 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion:119 Resp: 52318
Ion Ratio Lower Upper
119 100
91 141.7 64.6 96.8#
134 34.1 15.8 23.8#





#66

Benzyl Chloride

Concen: 0.044 ppbv

RT: 16.355 min Scan# 4372

Delta R.T. 0.052 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

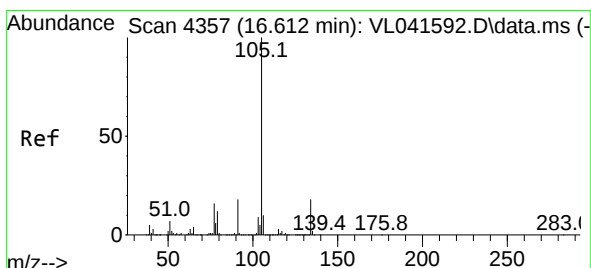
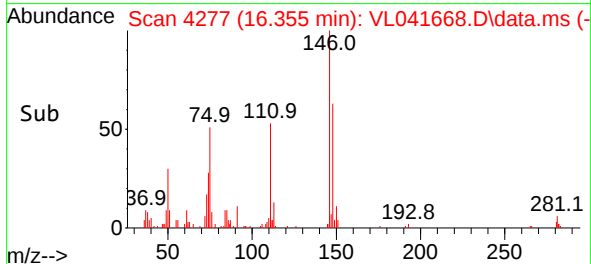
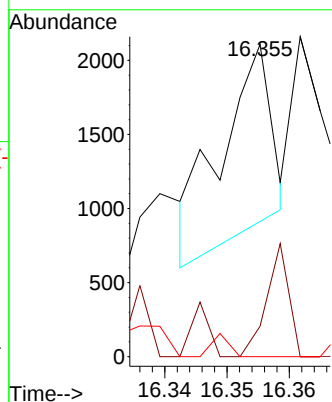
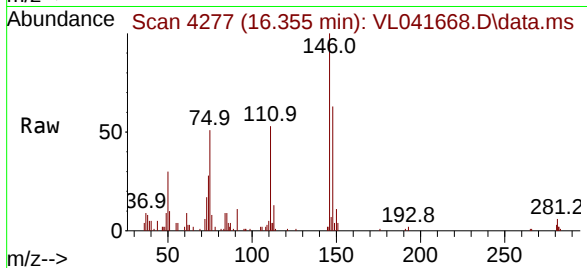
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 91 Resp: 704

Ion	Ratio	Lower	Upper
91	100		
126	78.7	15.4	23.2#
128	0.0	4.8	7.2#



#67

sec-Butylbenzene

Concen: 0.298 ppbv

RT: 16.661 min Scan# 4372

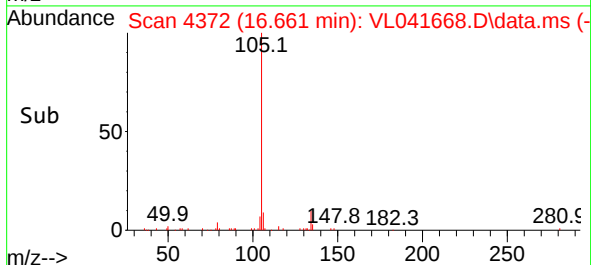
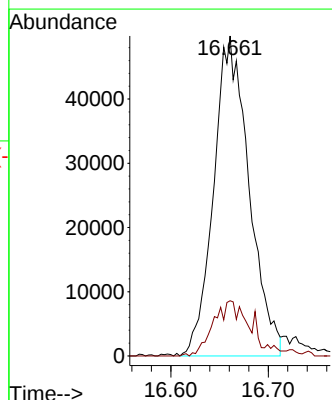
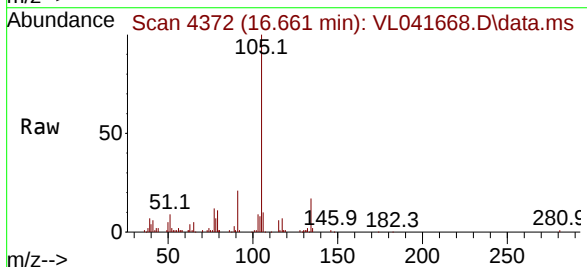
Delta R.T. 0.048 min

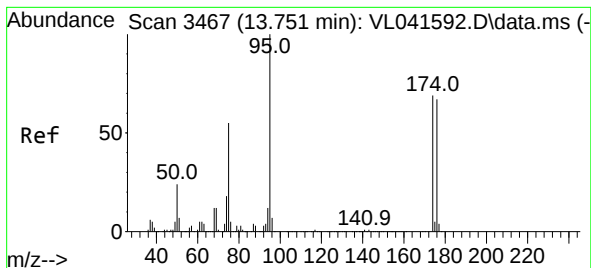
Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Tgt Ion: 105 Resp: 125867

Ion	Ratio	Lower	Upper
105	100		
134	19.0	14.6	21.8

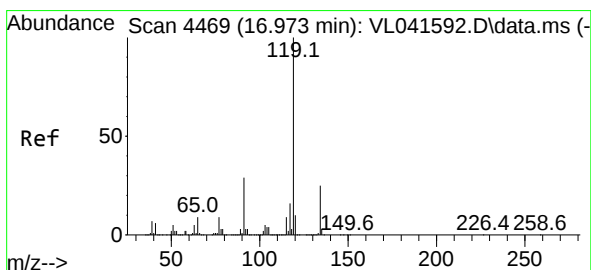
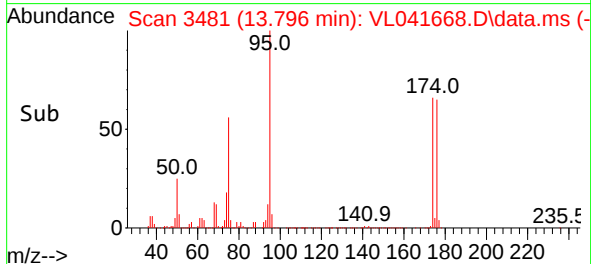
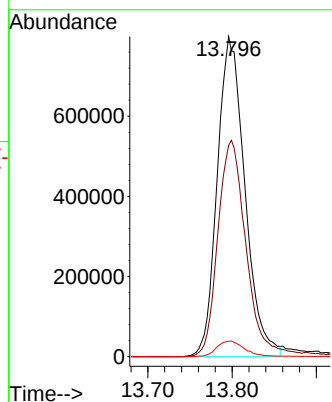
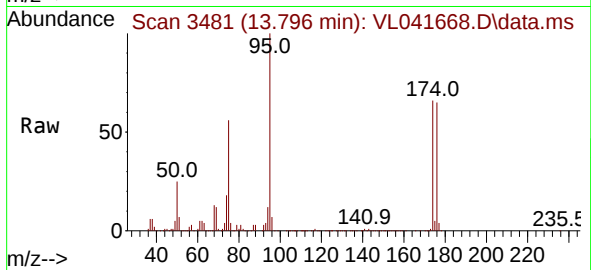




#68
1-Bromo-4-Fluorobenzene
Concen: 10.281 ppbv
RT: 13.796 min Scan# 3467
Delta R.T. 0.045 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

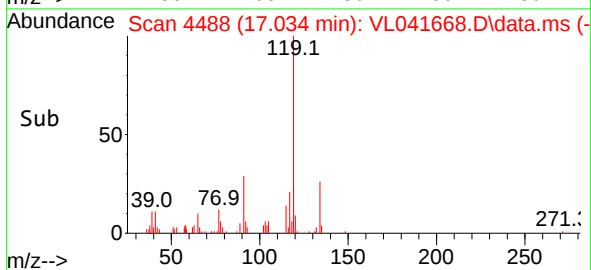
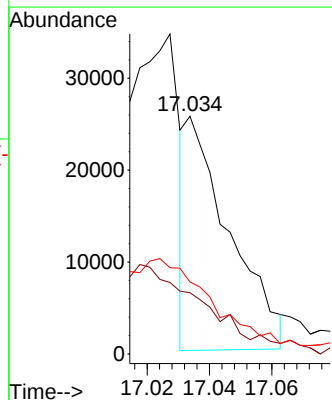
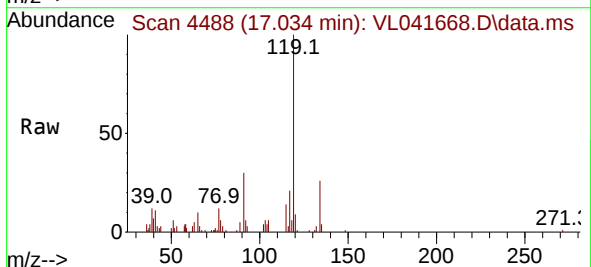
Instrument :
MSVOA_L
ClientSampleId :

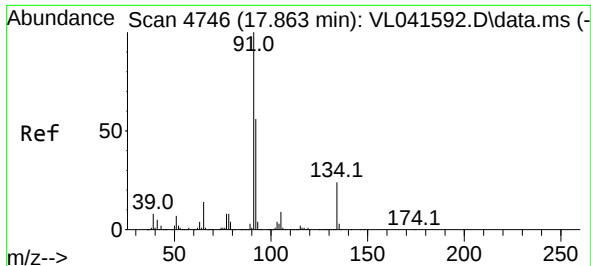
Tgt Ion: 95 Resp: 1819115
Ion Ratio Lower Upper
95 100
174 70.5 55.8 83.8
175 5.0 4.1 6.1



#69
p-Isopropyltoluene
Concen: 0.072 ppbv
RT: 17.034 min Scan# 4488
Delta R.T. 0.061 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 119 Resp: 24745
Ion Ratio Lower Upper
119 100
134 0.0 20.5 30.7#
91 0.0 23.1 34.7#

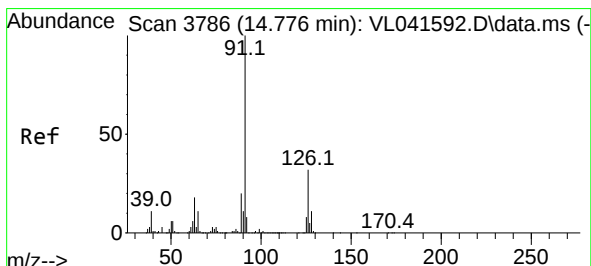
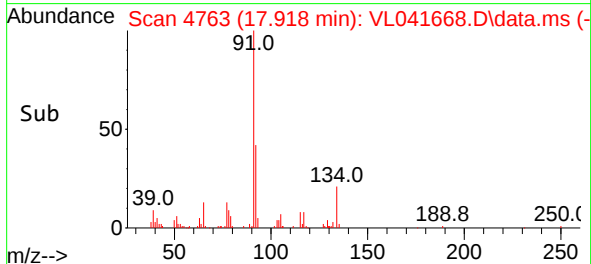
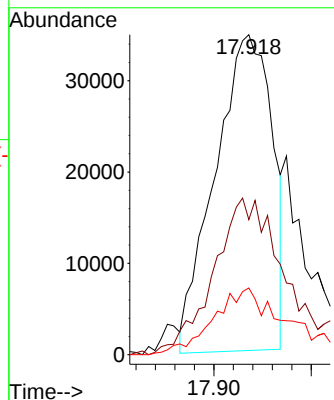
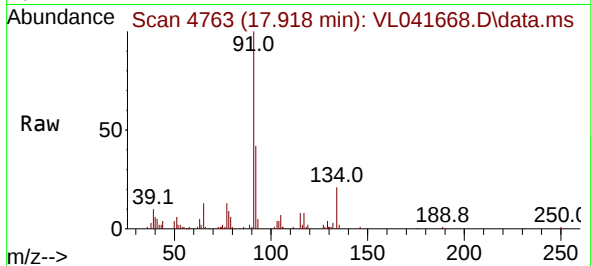




#70
n-Butylbenzene
Concen: 0.197 ppbv
RT: 17.918 min Scan# 4763
Delta R.T. 0.055 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

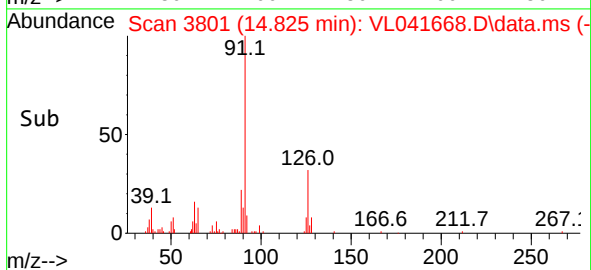
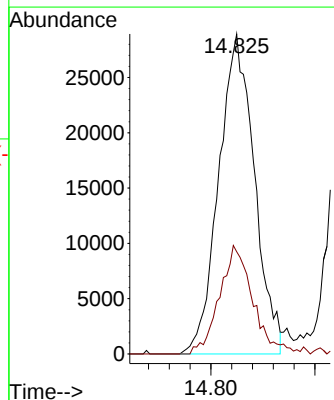
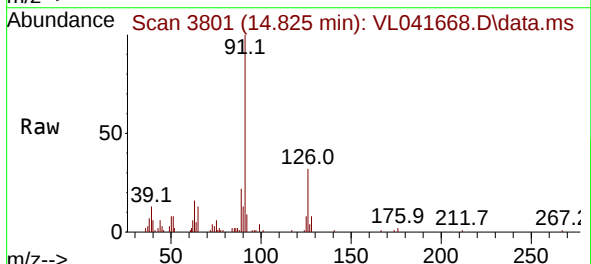
Instrument :
MSVOA_L
ClientSampleId :

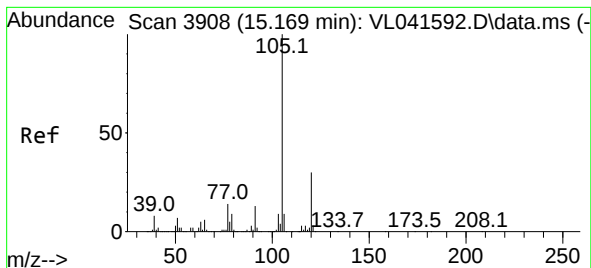
Tgt Ion: 91 Resp: 70754
Ion Ratio Lower Upper
91 100
92 65.1 43.2 64.8#
134 27.9 18.6 27.8#



#71
2-Chlorotoluene
Concen: 0.281 ppbv
RT: 14.825 min Scan# 3801
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 91 Resp: 68854
Ion Ratio Lower Upper
91 100
126 32.4 12.9 51.5

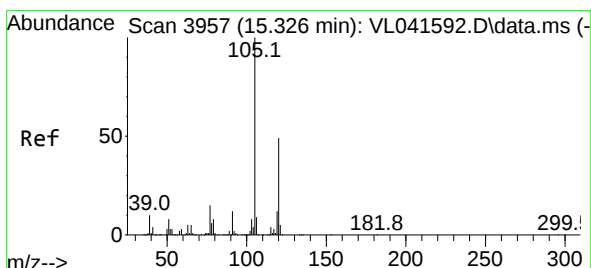
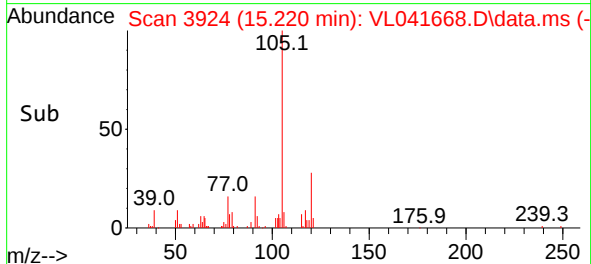
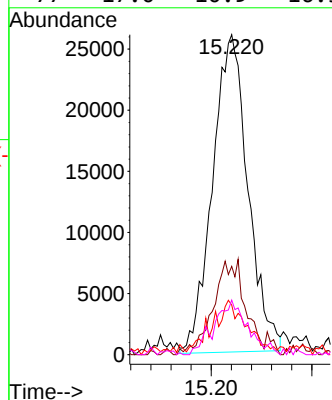
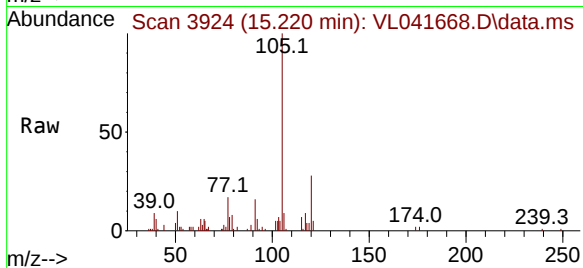




#72
4-Ethyltoluene
Concen: 0.247 ppbv
RT: 15.220 min Scan# 3924
Delta R.T. 0.052 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

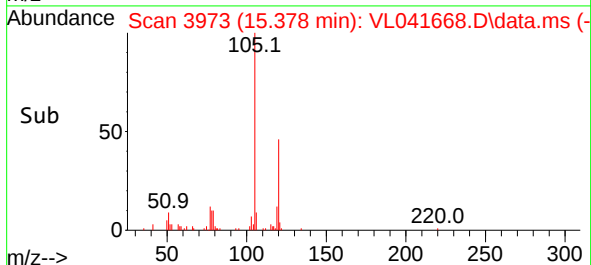
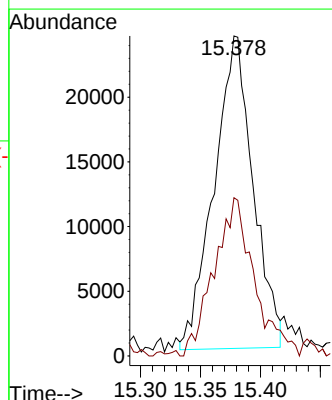
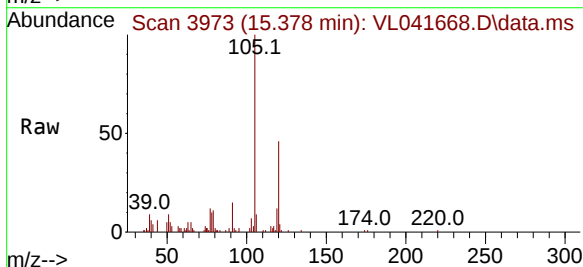
Instrument :
MSVOA_L
ClientSampleId :

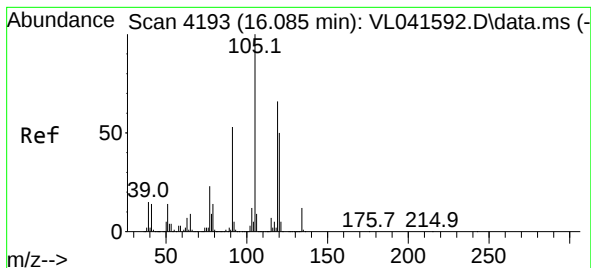
Tgt Ion:105 Resp: 63481
Ion Ratio Lower Upper
105 100
120 28.8 24.1 36.1
91 14.1 10.2 15.2
77 17.0 10.9 16.3#



#73
1,3,5-Trimethylbenzene
Concen: 0.242 ppbv
RT: 15.378 min Scan# 3973
Delta R.T. 0.052 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion:105 Resp: 54789
Ion Ratio Lower Upper
105 100
120 51.7 39.4 59.0





#74

1,2,4-Trimethylbenzene

Concen: 0.295 ppbv

RT: 16.130 min Scan# 4193

Delta R.T. 0.045 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 78353

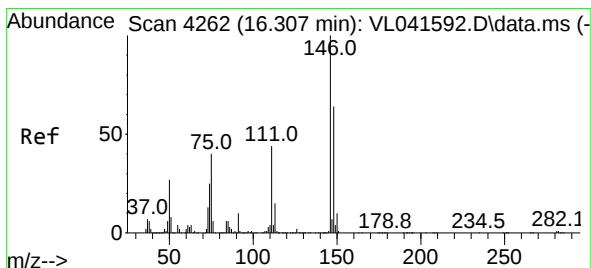
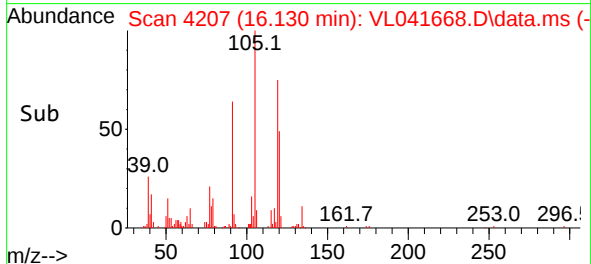
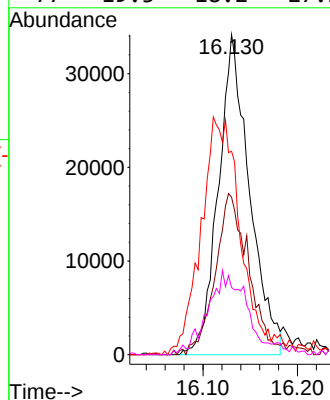
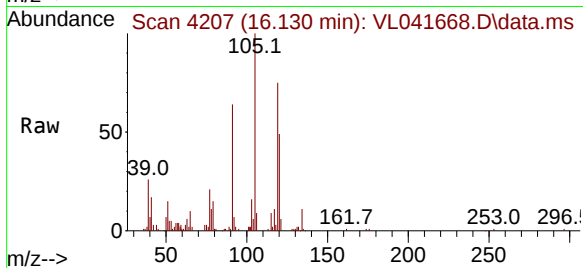
Ion Ratio Lower Upper

105 100

120 47.9 39.9 59.9

91 57.8 42.6 63.8

77 19.3 18.2 27.2



#75

1,3-Dichlorobenzene

Concen: 0.131 ppbv

RT: 16.359 min Scan# 4278

Delta R.T. 0.052 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

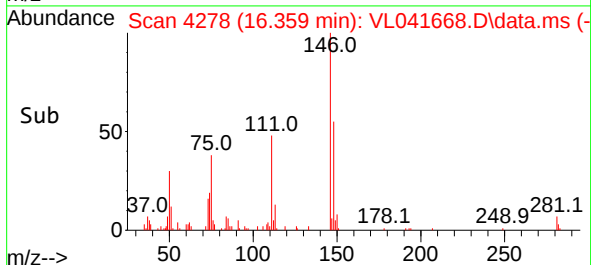
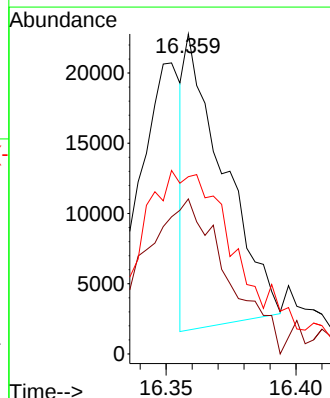
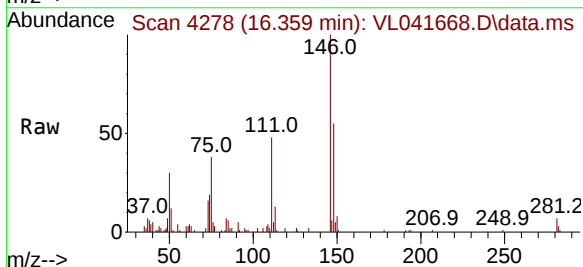
Tgt Ion:146 Resp: 21740

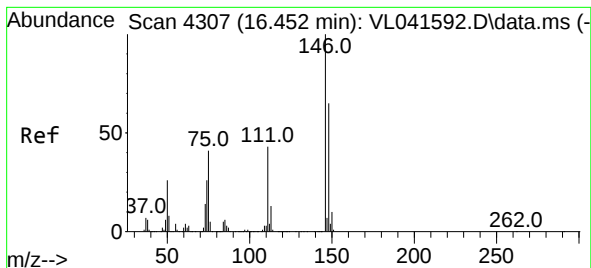
Ion Ratio Lower Upper

146 100

111 127.8 22.4 67.0#

148 0.0 32.1 96.5#





#76

1,4-Dichlorobenzene

Concen: 0.134 ppbv

RT: 16.506 min Scan# 41

Delta R.T. 0.055 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

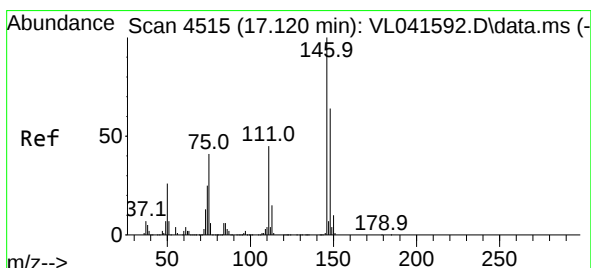
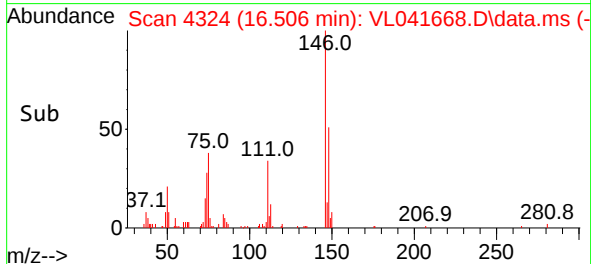
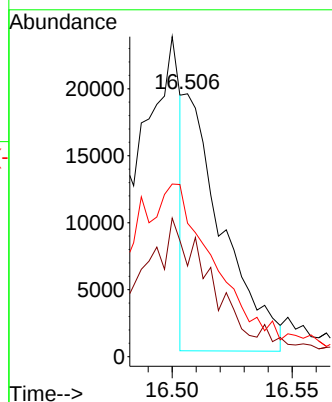
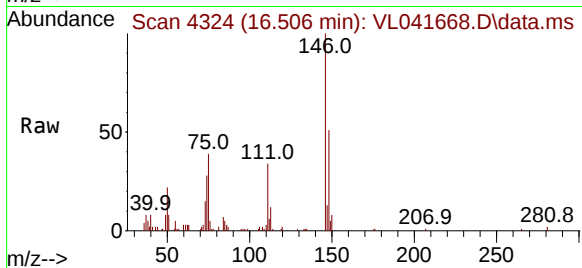
Tgt Ion:146 Resp: 21328

Ion Ratio Lower Upper

146 100

111 0.0 22.4 67.3#

148 0.0 32.8 98.4#



#77

1,2-Dichlorobenzene

Concen: 0.154 ppbv

RT: 17.175 min Scan# 4532

Delta R.T. 0.055 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

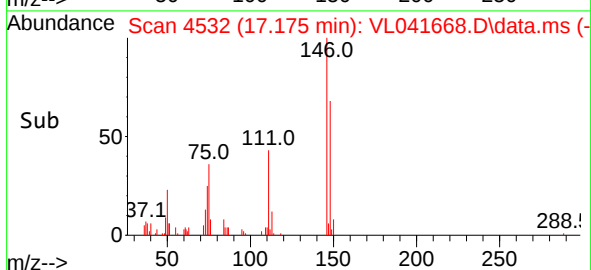
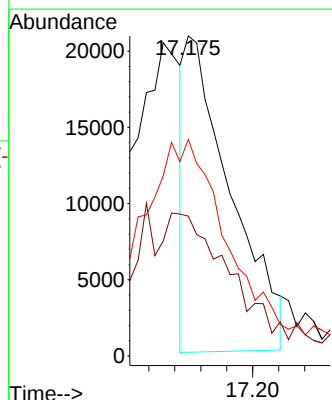
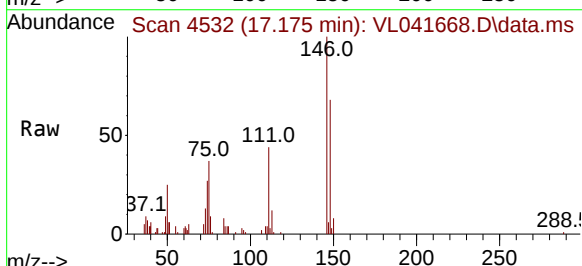
Tgt Ion:146 Resp: 25280

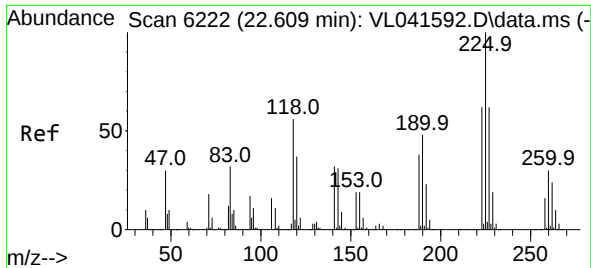
Ion Ratio Lower Upper

146 100

111 0.0 23.4 70.0#

148 157.3 32.5 97.4#





#78
 Hexachloro-1,3-Butadiene
 Concen: 0.043 ppbv
 RT: 22.686 min Scan# 61
 Delta R.T. 0.077 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	75.8#
227	0.0	50.9	76.3#

