

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041695.D
 Acq On : 8 Nov 2024 2:18
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Nov 08 03:56:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1076506	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2989714	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3492027	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2220381	8.630	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	1984513	10.200	ppbv	99
3) Chlorodifluoromethane	2.681	51	1229294	8.764	ppbv	99
4) Chloromethane	2.816	50	677106	9.114	ppbv	100
5) Vinyl Chloride	2.925	62	650371	9.732	ppbv	100
6) Bromomethane	3.121	94	294542	8.308	ppbv	100
7) Chloroethane	3.202	64	237017	9.717	ppbv	96
8) Dichlorotetrafluoroethane	2.861	85	1578222	9.086	ppbv	99
9) Propene	2.700	41	551275	9.020	ppbv	100
10) Heptane	7.578	43	1396124	10.194	ppbv	98
11) Trichlorofluoromethane	3.565	101	1573859	9.286	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.067	101	1152953	9.360	ppbv	99
13) Ethanol	3.256	45	6203	1.658	ppbv #	1
14) Bromoethene	3.369	108	455827	9.205	ppbv	98
15) Acetone	3.472	43	1143751	8.633	ppbv	99
16) 1,3-Butadiene	2.989	39	642384	9.610	ppbv	99
17) tert-Butyl alcohol	3.880	59	1022266	8.793	ppbv	100
18) 1,1-Dichloroethene	3.880	96	503432	9.318	ppbv	98
19) Isopropyl Alcohol	3.578	45	551322	8.706	ppbv #	97
20) Methylene Chloride	3.935	84	409837	8.407	ppbv	98
21) Allyl Chloride	3.999	41	803113	9.810	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	501680	9.339	ppbv	99
23) Vinyl Acetate	4.629	43	682931	11.693	ppbv	98
24) 1,1-Dichloroethane	4.562	63	1099916	9.173	ppbv	99
25) Ethyl Acetate	5.205	43	2528302	9.219	ppbv	99
26) Hexane	5.211	57	1023951	9.718	ppbv	96
27) Carbon Disulfide	4.124	76	1210492	10.226	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	578570	8.527	ppbv	99
29) Chloroform	5.272	83	1619811	9.314	ppbv	100
30) Cyclohexane	6.600	84	862378	9.613	ppbv	98
31) cis-1,2-Dichloroethene	5.079	61	972537	9.595	ppbv	99
32) 1,1,1-Trichloroethane	6.002	97	1569490	9.892	ppbv	99
34) 2-Butanone	4.787	43	1401455	9.414	ppbv	99
35) Carbon Tetrachloride	6.491	117	1667580	10.572	ppbv	98
36) Benzene	6.369	78	2181352	9.847	ppbv	100
37) 1,2-Dichloroethane	5.806	62	1219445	9.758	ppbv	99
38) Trichloroethene	7.288	130	1235656	14.524	ppbv	99
39) 1,2-Dichloropropane	7.073	63	845320	9.656	ppbv	97
40) 1,4-Dioxane	7.282	88	327544	10.428	ppbv #	1
41) Tetrahydrofuran	5.555	42	846490	9.957	ppbv	99
42) Bromodichloromethane	7.246	83	1724577	9.931	ppbv	99
43) Methyl Methacrylate	7.472	69	834601	10.730	ppbv	98
44) 2,2,4-Trimethylpentane	7.324	57	3723039	9.922	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	694300	9.769	ppbv	100

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Instrument :
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 VSTDCCC010EC

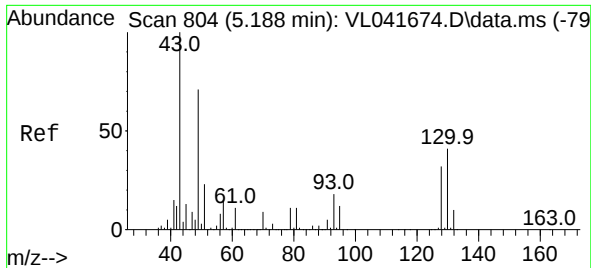
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	1038635	10.175	ppbv	97
47) 1,1,2-Trichloroethane	8.896	97	913423	9.641	ppbv	99
48) Dibromochloromethane	9.706	129	1500662	10.419	ppbv	99
49) Bromoform	12.401	173	1347774	10.937	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2404385	10.521	ppbv	100
51) 2-Hexanone	9.545	43	1858610	11.168	ppbv	100
52) Tetrachloroethene	10.613	164	802617	10.632	ppbv	99
53) Toluene	9.217	91	2513473	10.790	ppbv	100
54) 1,2-Dibromoethane	10.005	107	1195844	10.803	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.504	131	1133444	7.870	ppbv	99
57) Chlorobenzene	11.523	112	2010706	7.785	ppbv	97
58) Ethyl Benzene	12.085	91	3433522	8.969	ppbv	98
59) m/p-Xylene	12.368	91	3270490	9.540	ppbv #	44
60) o-Xylene	13.053	91	2871187	8.783	ppbv	100
61) Styrene	12.893	104	1358389	10.068	ppbv	100
62) Isopropylbenzene	14.024	105	4158014	8.236	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	1152470	4.793	ppbv	99
64) n-propylbenzene	14.912	120	1114366	8.431	ppbv	98
65) tert-Butylbenzene	16.082	119	3735121	8.231	ppbv	100
66) Benzyl Chloride	16.320	91	167293	4.792	ppbv	97
67) sec-Butylbenzene	16.629	105	5261018	8.226	ppbv	100
69) p-Isopropyltoluene	16.989	119	4374045	8.460	ppbv	100
70) n-Butylbenzene	17.879	91	4522936	8.549	ppbv	100
71) 2-Chlorotoluene	14.796	91	3143905	8.615	ppbv	99
72) 4-Ethyltoluene	15.188	105	3404290	8.957	ppbv	100
73) 1,3,5-Trimethylbenzene	15.346	105	2938945	8.812	ppbv	99
74) 1,2,4-Trimethylbenzene	16.101	105	3269887	8.441	ppbv	99
75) 1,3-Dichlorobenzene	16.326	146	2024223	8.437	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1944656	8.401	ppbv	99
77) 1,2-Dichlorobenzene	17.134	146	1958590	8.240	ppbv	100
78) Hexachloro-1,3-Butadiene	22.625	225	1354982	7.208	ppbv	98
79) Naphthalene	21.378	128	2620569	10.959	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	1155769	22.172	ppbv	97
81) 1,2,4-Trichlorobenzene	21.133	180	1348543	8.968	ppbv	100

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

Quant Time: Nov 08 03:56:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Nov 08 01:01:00 2024
Response via : Initial Calibration

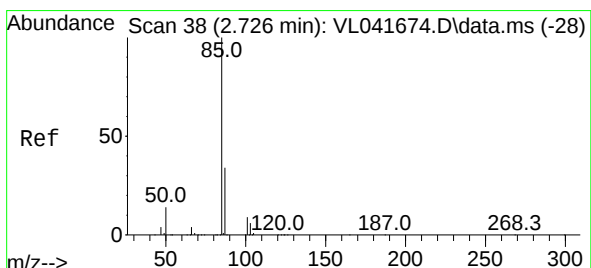
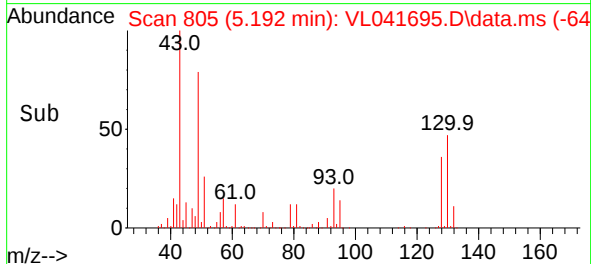
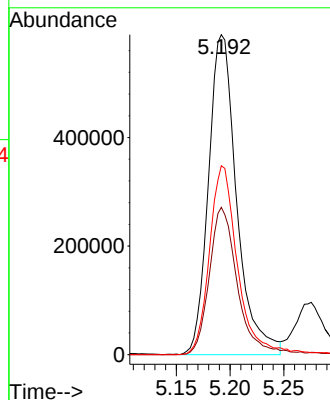
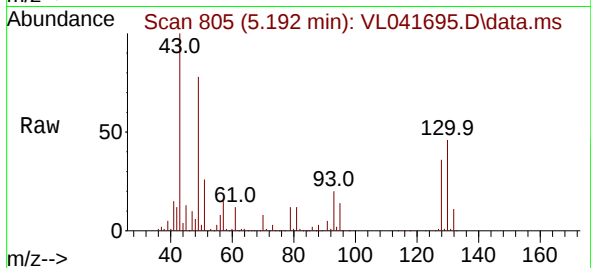




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

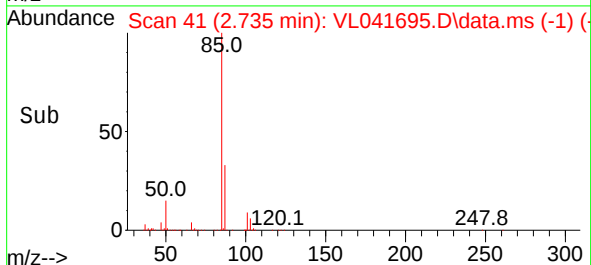
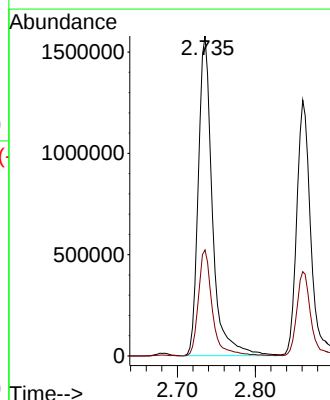
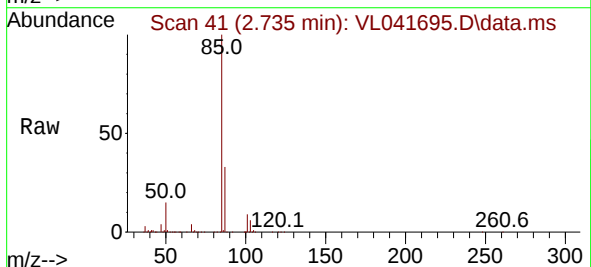
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

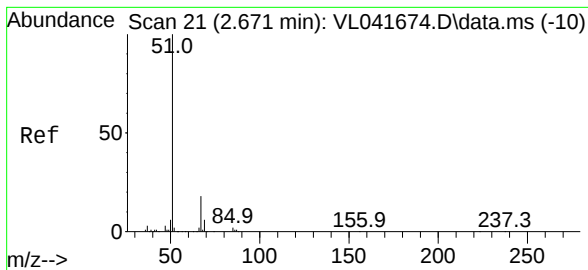
Tgt Ion: 49 Resp: 1076506
Ion Ratio Lower Upper
49 100
128 46.8 23.8 71.2
130 59.7 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 10.200 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion: 85 Resp: 1984513
Ion Ratio Lower Upper
85 100
87 33.1 26.8 40.2

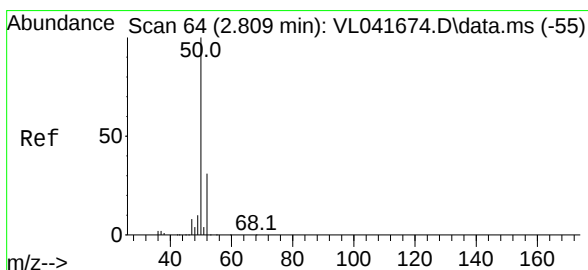
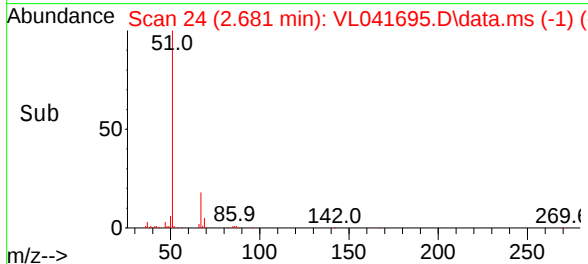
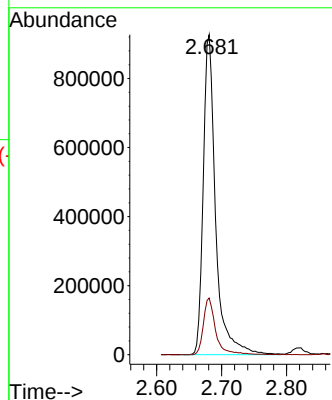
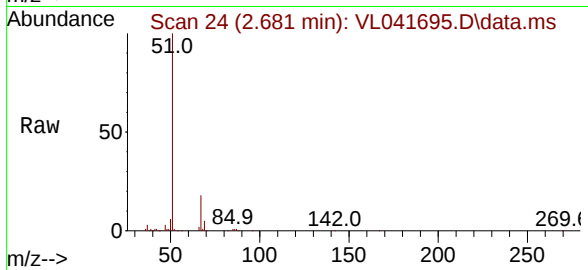




#3
Chlorodifluoromethane
Concen: 8.764 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.010 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

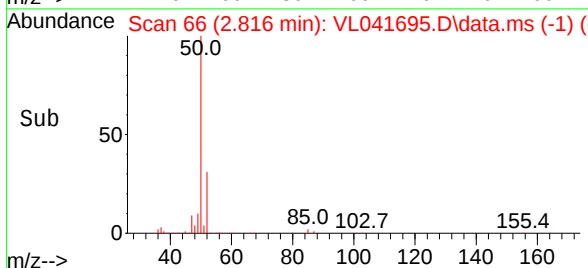
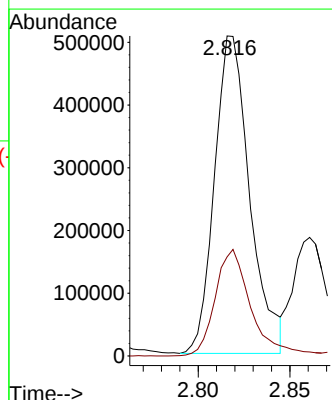
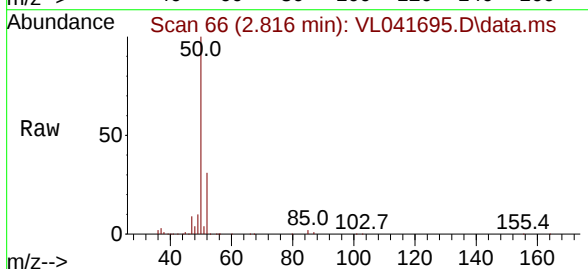
Instrument :
MSVOA_L
ClientSampleId :
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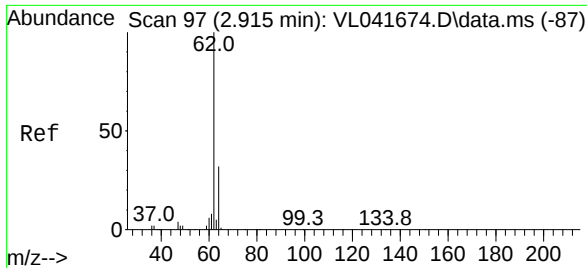
Tgt Ion: 51 Resp: 1229294
Ion Ratio Lower Upper
51 100
67 17.6 13.9 20.9



#4
Chloromethane
Concen: 9.114 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.007 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion: 50 Resp: 677106
Ion Ratio Lower Upper
50 100
52 31.1 24.9 37.3

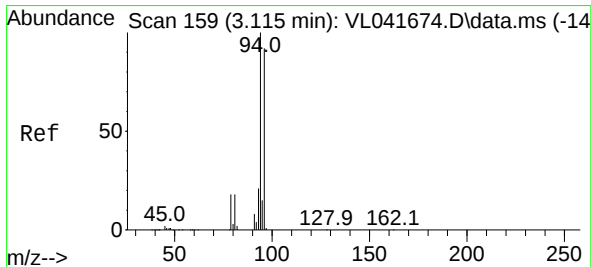
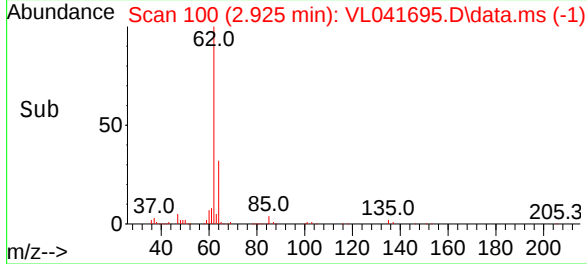
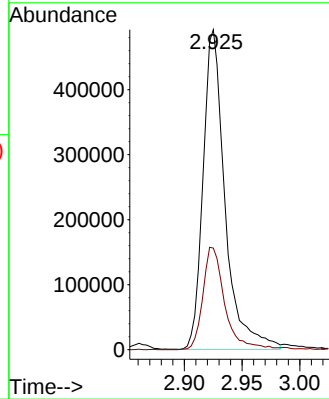
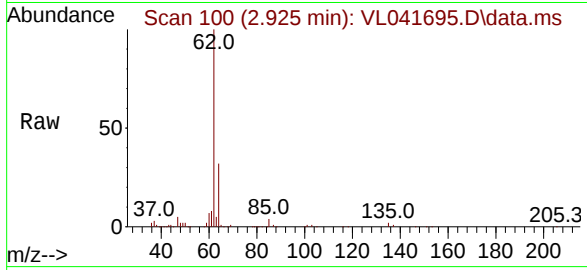




#5
Vinyl Chloride
Concen: 9.732 ppbv
RT: 2.925 min Scan# 100
Delta R.T. 0.010 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

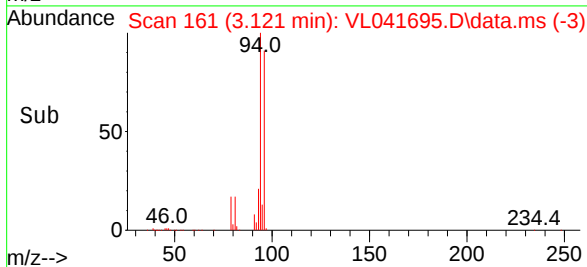
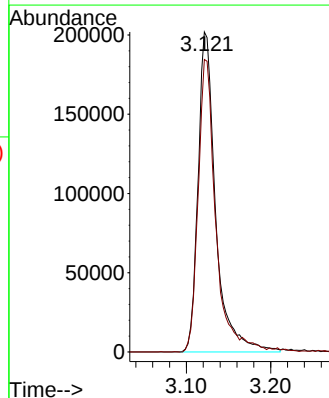
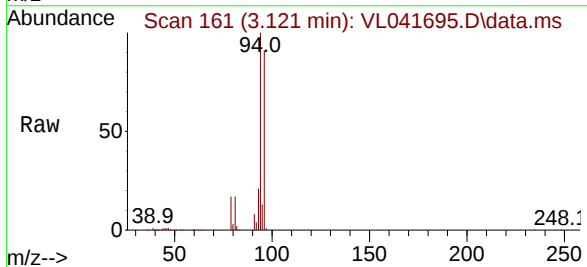
Instrument :
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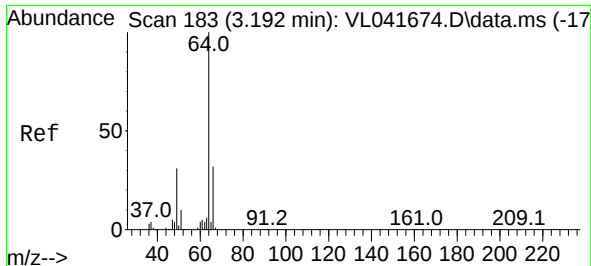
Tgt Ion: 62 Resp: 650371
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.2



#6
Bromomethane
Concen: 8.308 ppbv
RT: 3.121 min Scan# 161
Delta R.T. 0.007 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion: 94 Resp: 294542
Ion Ratio Lower Upper
94 100
96 91.4 73.4 110.2

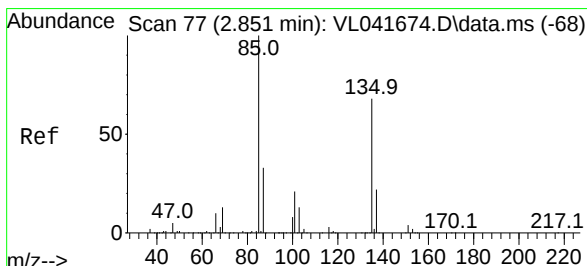
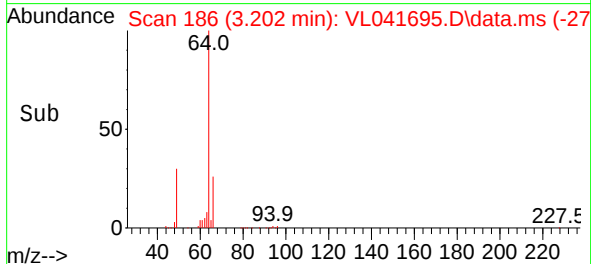
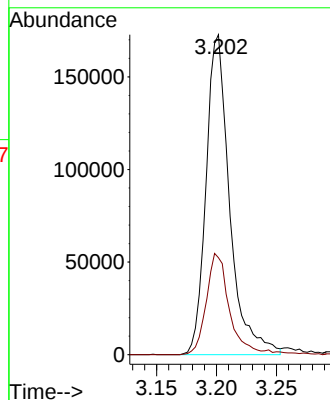
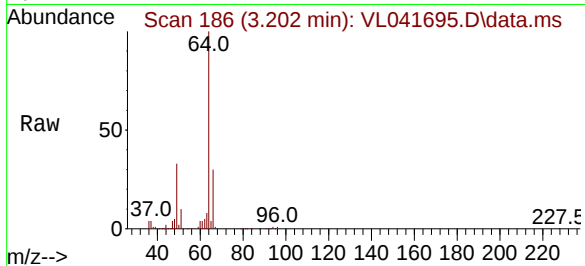




#7
Chloroethane
Concen: 9.717 ppbv
RT: 3.202 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

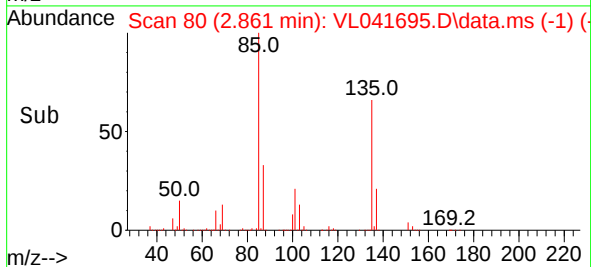
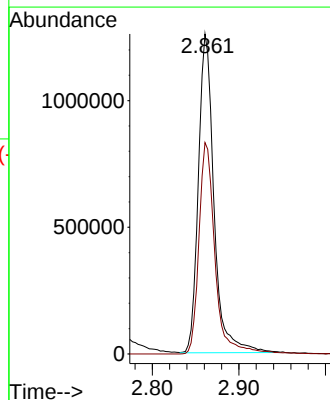
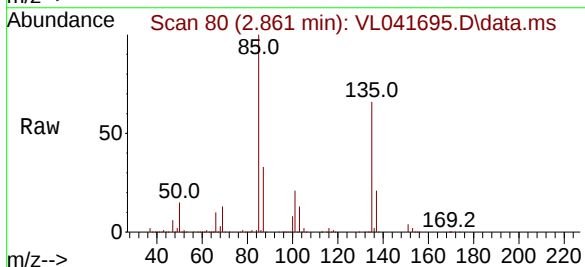
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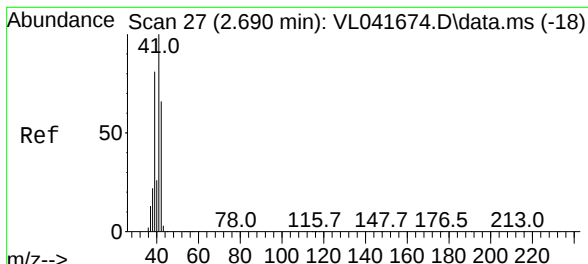
Tgt Ion: 64 Resp: 237017
Ion Ratio Lower Upper
64 100
66 30.3 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 9.086 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion: 85 Resp: 1578222
Ion Ratio Lower Upper
85 100
135 68.6 55.5 83.3





#9

Propene

Concen: 9.020 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.010 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

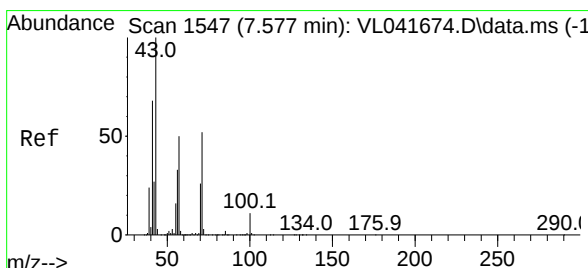
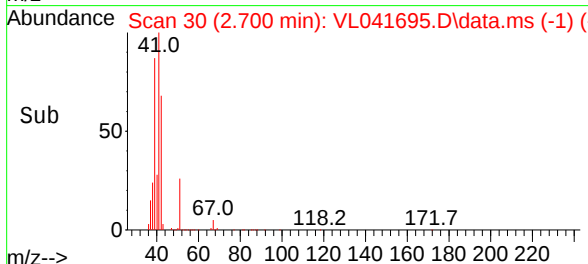
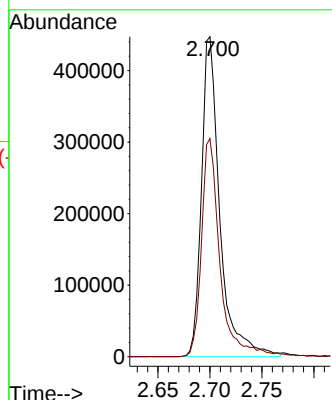
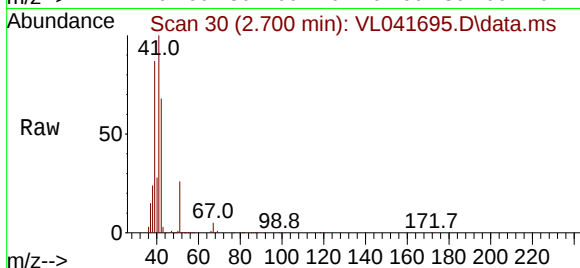
VSTDCCC010EC

Tgt Ion: 41 Resp: 551275

Ion Ratio Lower Upper

41 100

42 69.0 55.0 82.4



#10

Heptane

Concen: 10.194 ppbv

RT: 7.578 min Scan# 1547

Delta R.T. 0.000 min

Lab File: VL041695.D

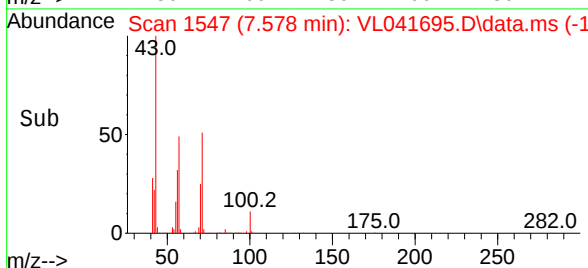
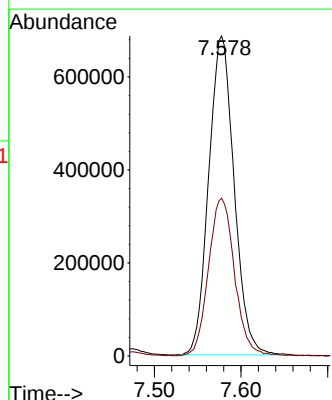
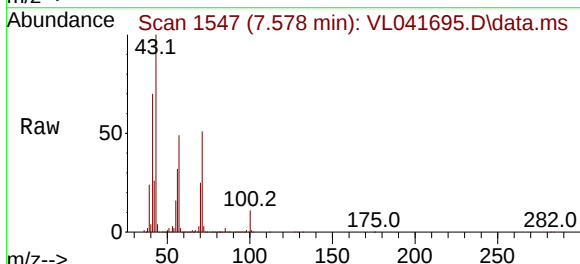
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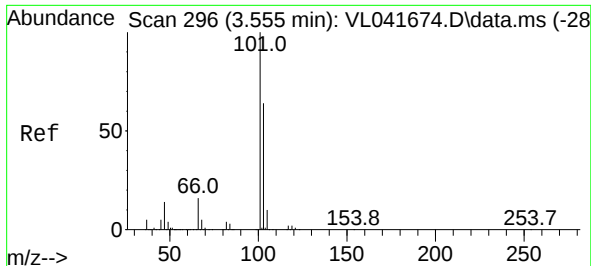
Tgt Ion: 43 Resp: 1396124

Ion Ratio Lower Upper

43 100

57 51.1 40.0 60.0





#11

Trichlorofluoromethane

Concen: 9.286 ppbv

RT: 3.565 min Scan# 296

Delta R.T. 0.010 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

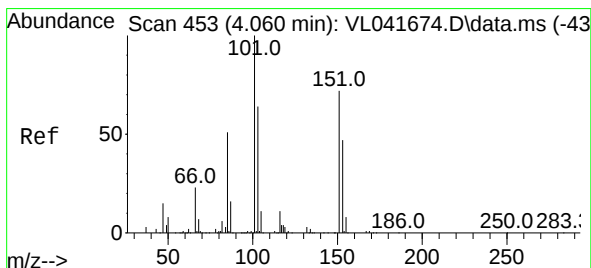
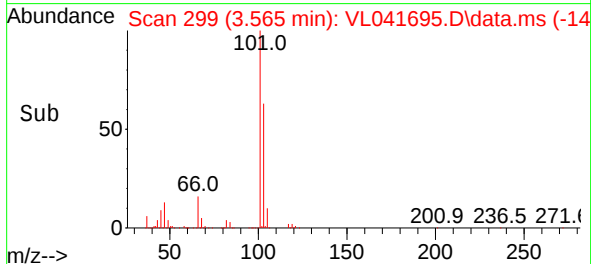
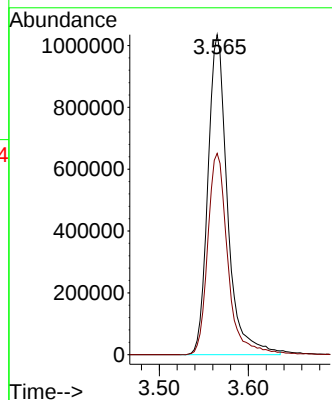
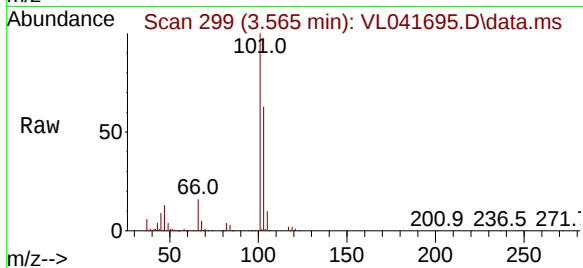
VSTDCCC010EC

Tgt Ion:101 Resp: 1573859

Ion Ratio Lower Upper

101 100

103 62.9 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.360 ppbv

RT: 4.067 min Scan# 455

Delta R.T. 0.007 min

Lab File: VL041695.D

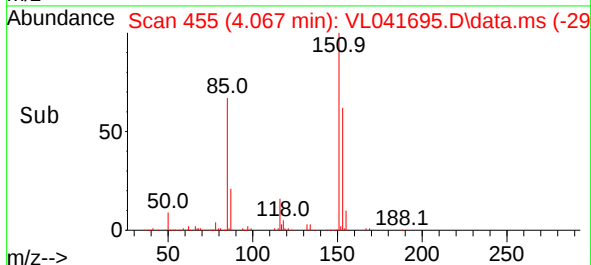
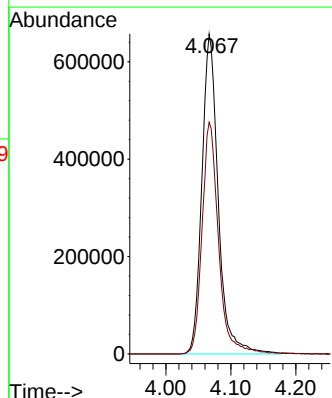
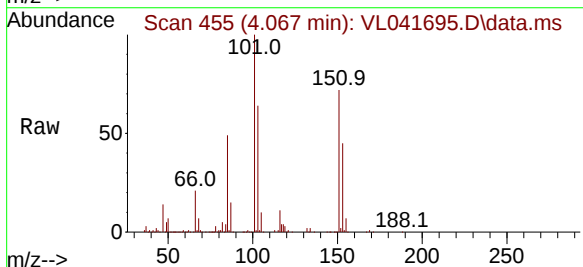
Acq: 8 Nov 2024 2:18

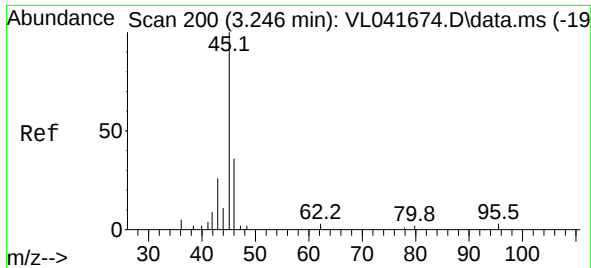
Tgt Ion:101 Resp: 1152953

Ion Ratio Lower Upper

101 100

151 72.9 59.1 88.7

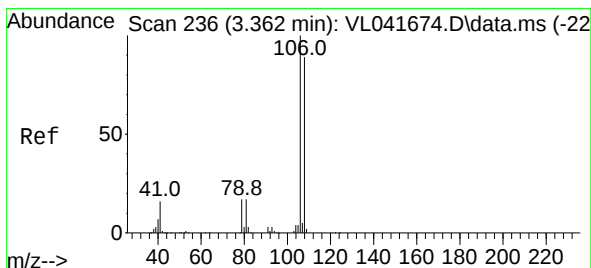
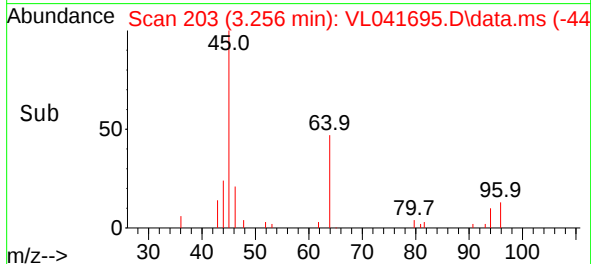
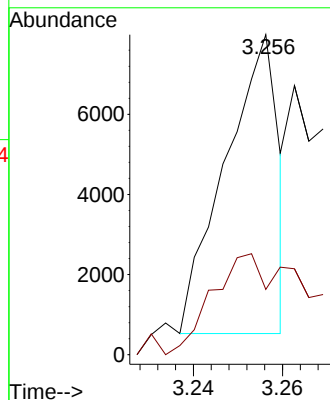
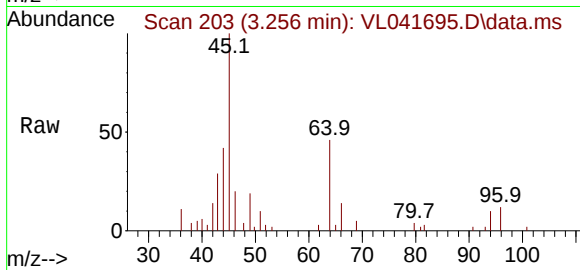




#13
Ethanol
Concen: 1.658 ppbv
RT: 3.256 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

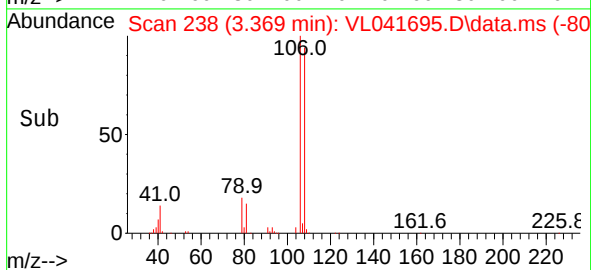
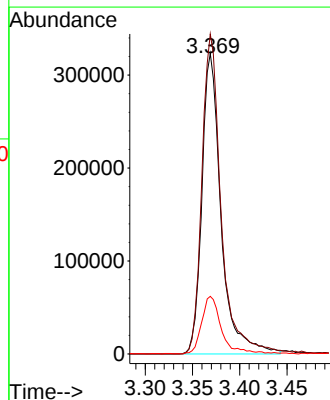
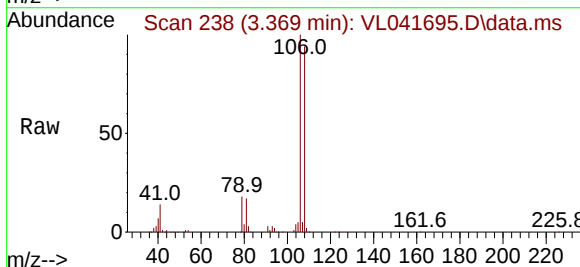
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

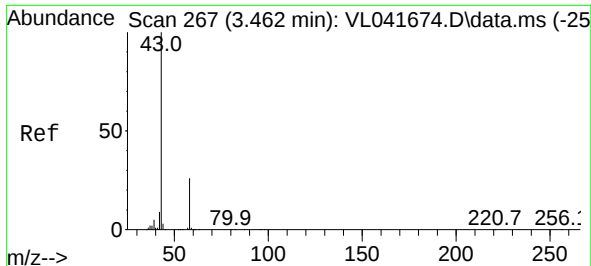
Tgt Ion: 45 Resp: 6203
Ion Ratio Lower Upper
45 100
46 92.8 13.8 55.2#



#14
Bromoethene
Concen: 9.205 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.007 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion:108 Resp: 455827
Ion Ratio Lower Upper
108 100
106 108.1 88.6 133.0
79 20.2 15.6 23.4

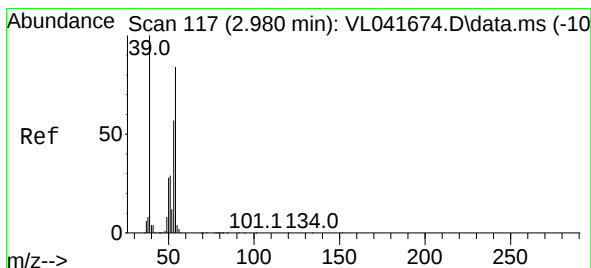
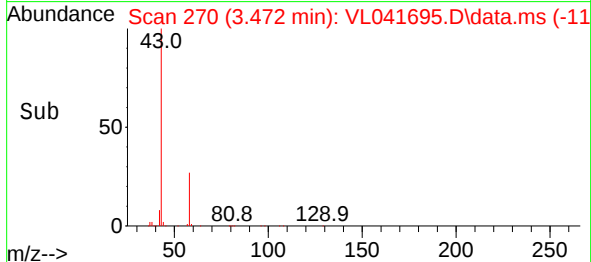
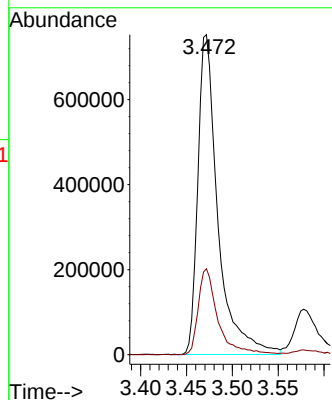
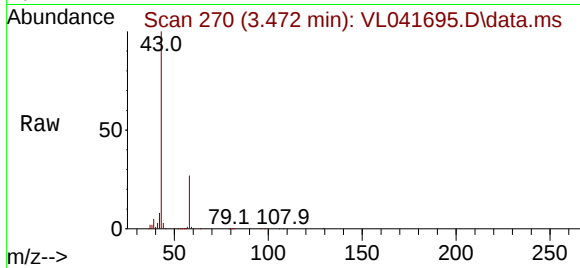




#15
Acetone
Concen: 8.633 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

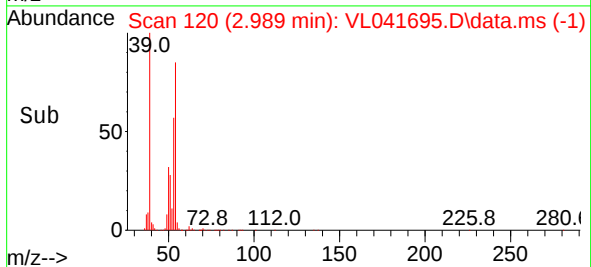
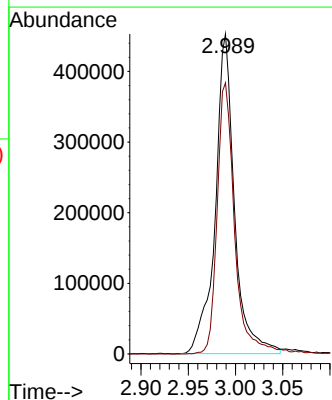
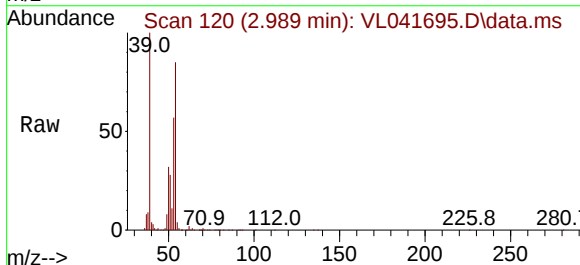
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

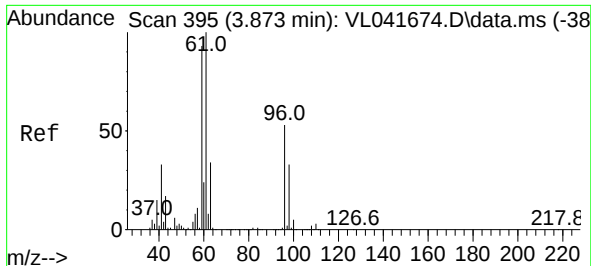
Tgt Ion: 43 Resp: 1143751
Ion Ratio Lower Upper
43 100
58 26.4 21.4 32.0



#16
1,3-Butadiene
Concen: 9.610 ppbv
RT: 2.989 min Scan# 120
Delta R.T. 0.010 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion: 39 Resp: 642384
Ion Ratio Lower Upper
39 100
54 77.9 61.3 91.9

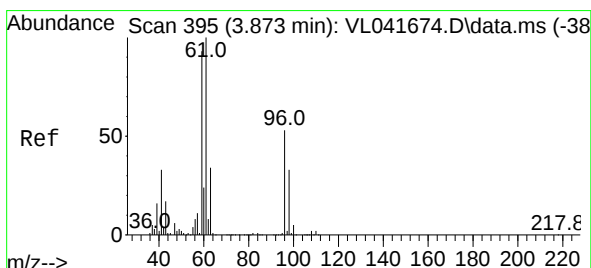
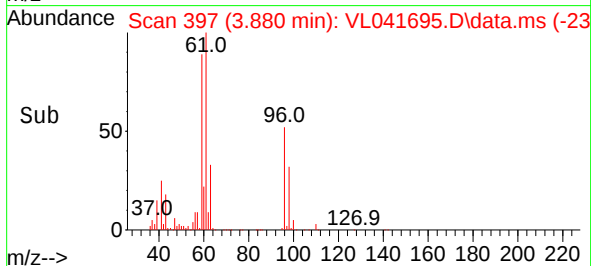
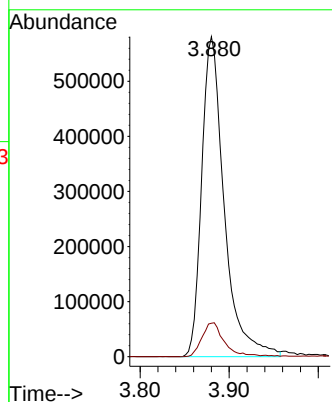
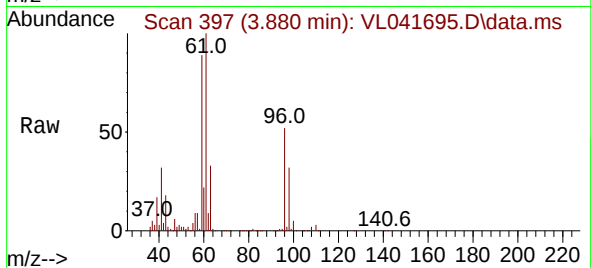




#17
tert-Butyl alcohol
Concen: 8.793 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.007 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

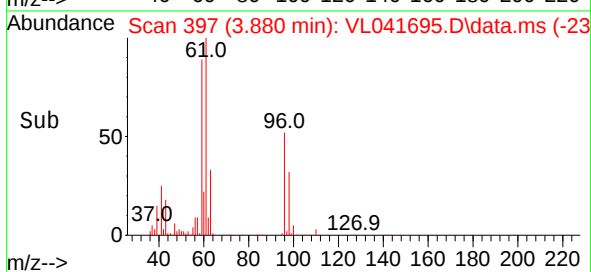
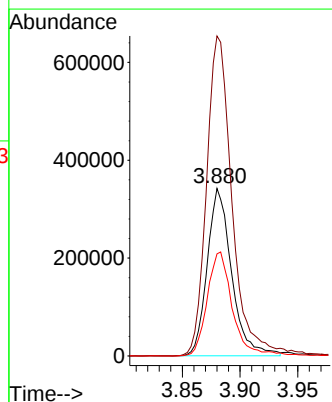
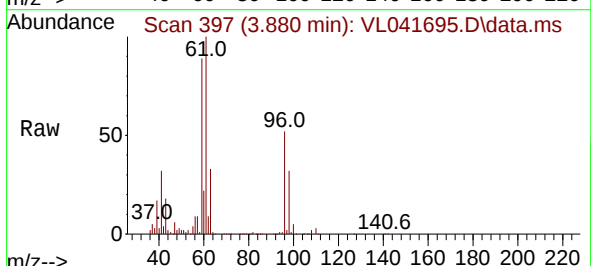
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

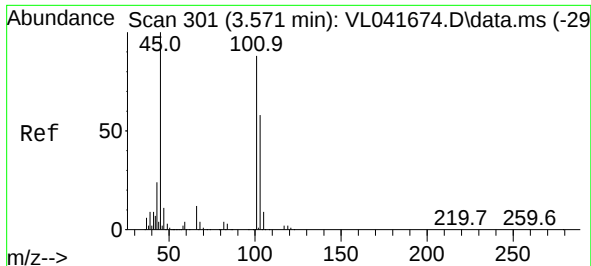
Tgt Ion: 59 Resp: 1022266
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7



#18
1,1-Dichloroethene
Concen: 9.318 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.007 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion: 96 Resp: 503432
Ion Ratio Lower Upper
96 100
61 190.9 150.7 226.1
98 60.8 49.4 74.2





#19

Isopropyl Alcohol

Concen: 8.706 ppbv

RT: 3.578 min Scan# 301

Delta R.T. 0.007 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

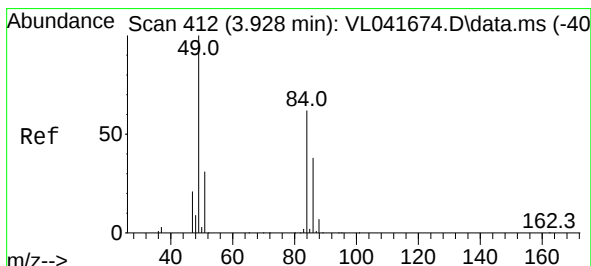
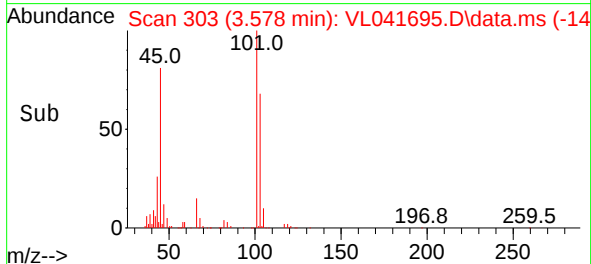
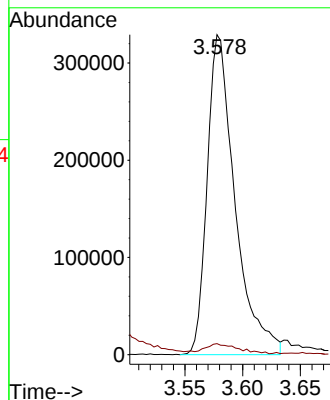
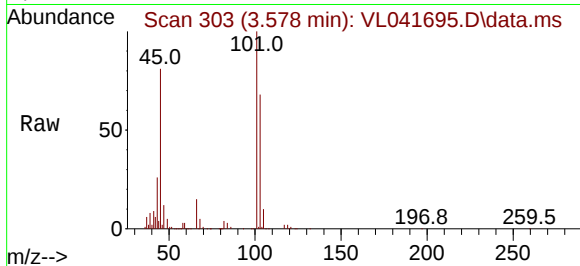
VSTDCCC010EC

Tgt Ion: 45 Resp: 551322

Ion Ratio Lower Upper

45 100

58 4.0 2.5 3.7#



#20

Methylene Chloride

Concen: 8.407 ppbv

RT: 3.935 min Scan# 414

Delta R.T. 0.007 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Tgt Ion: 84 Resp: 409837

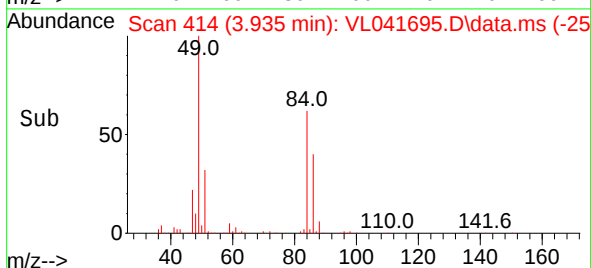
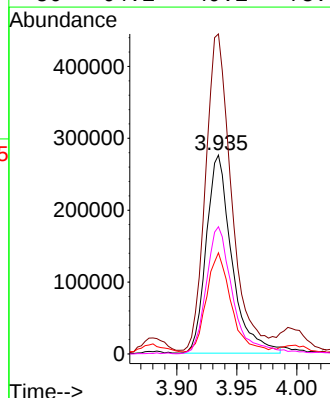
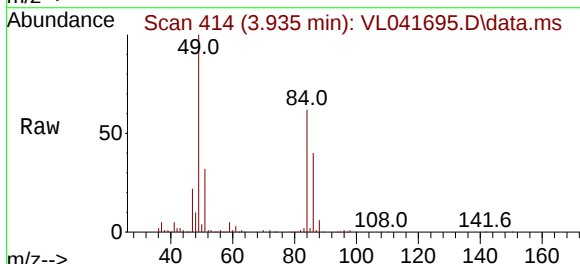
Ion Ratio Lower Upper

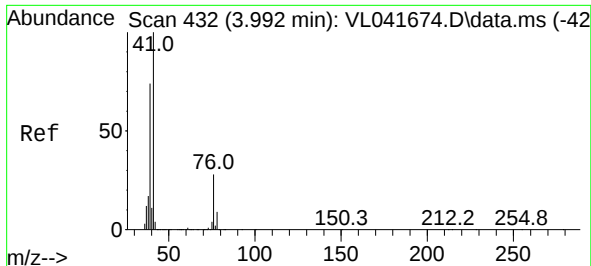
84 100

49 159.7 129.7 194.5

51 49.9 39.8 59.6

86 64.1 49.1 73.7





#21

Allyl Chloride

Concen: 9.810 ppbv

RT: 3.999 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

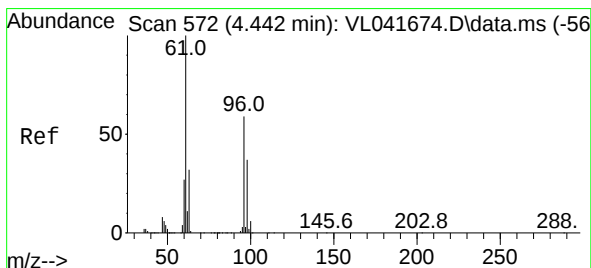
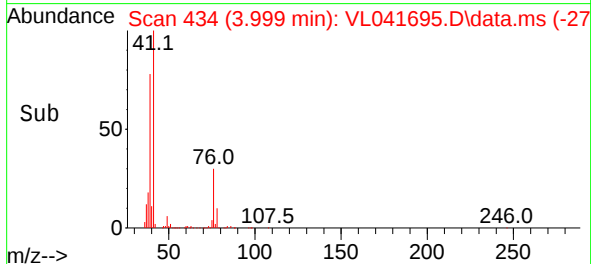
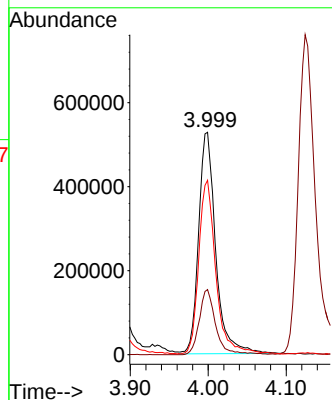
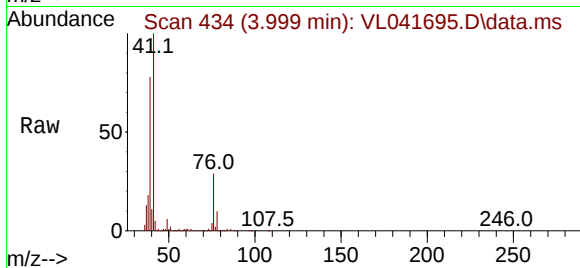
Tgt Ion: 41 Resp: 803113

Ion Ratio Lower Upper

41 100

76 28.4 23.5 35.3

39 78.7 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 9.339 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

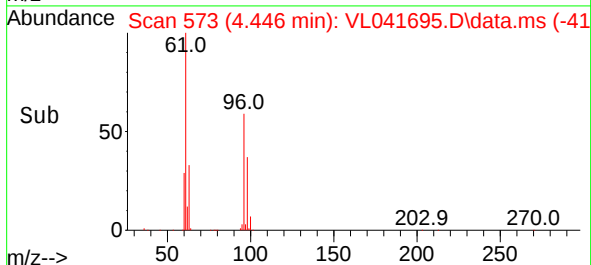
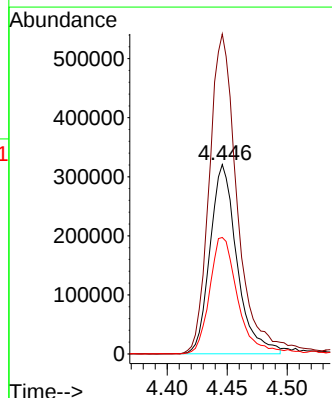
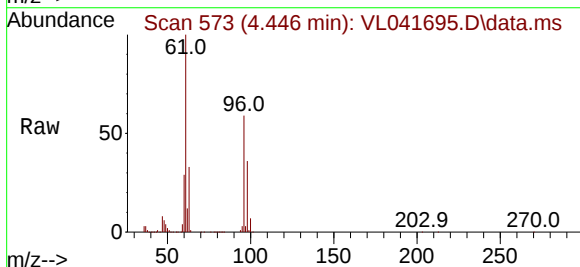
Tgt Ion: 96 Resp: 501680

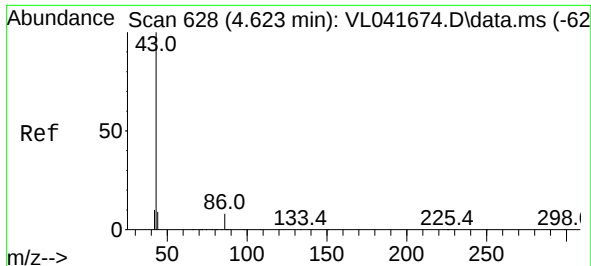
Ion Ratio Lower Upper

96 100

61 169.0 134.5 201.7

98 61.4 49.6 74.4



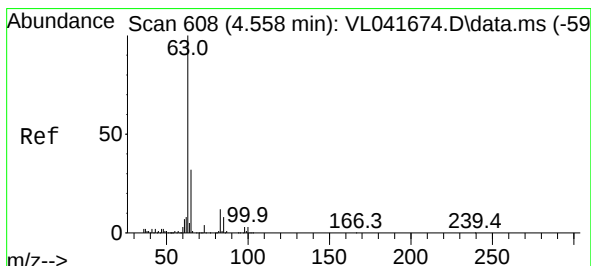
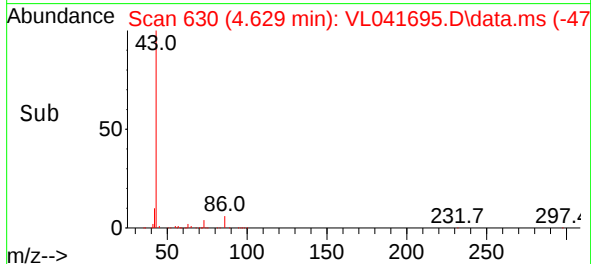
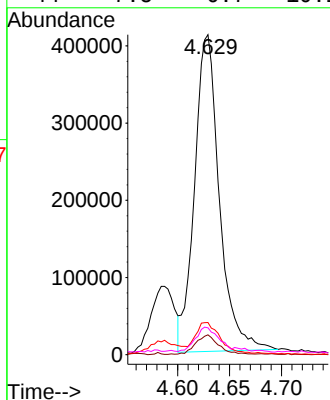
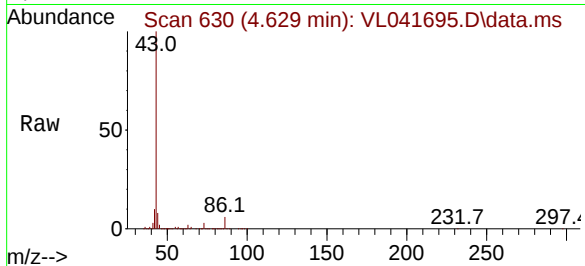


#23
 Vinyl Acetate
 Concen: 11.693 ppbv
 RT: 4.629 min Scan# 609
 Delta R.T. 0.007 min
 Lab File: VL041695.D
 Acq: 8 Nov 2024 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 682931

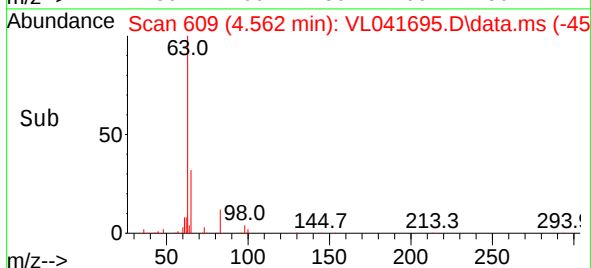
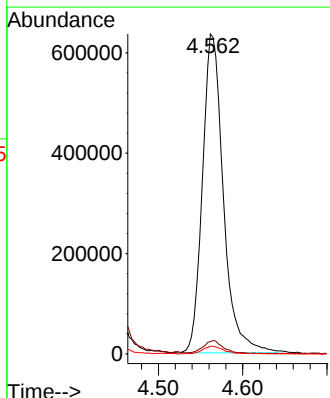
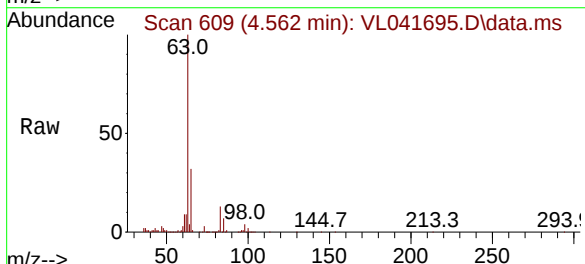
Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.3	7.9
42	9.9	8.5	12.7
44	7.5	6.7	10.1

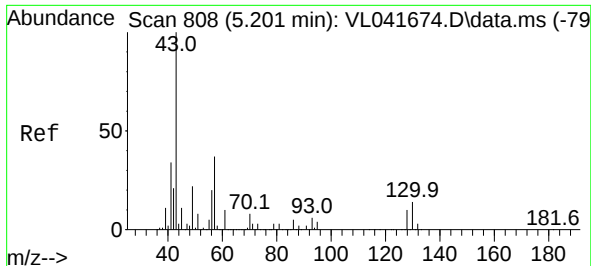


#24
 1,1-Dichloroethane
 Concen: 9.173 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. 0.003 min
 Lab File: VL041695.D
 Acq: 8 Nov 2024 2:18

Tgt Ion: 63 Resp: 1099916

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.8	5.4
100	2.5	1.4	4.2



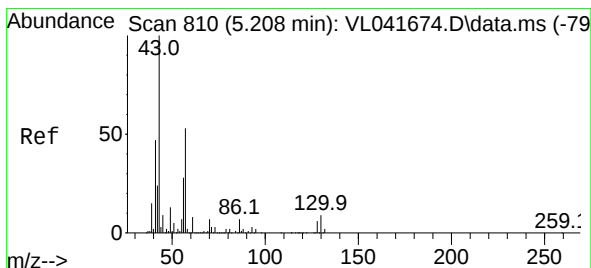
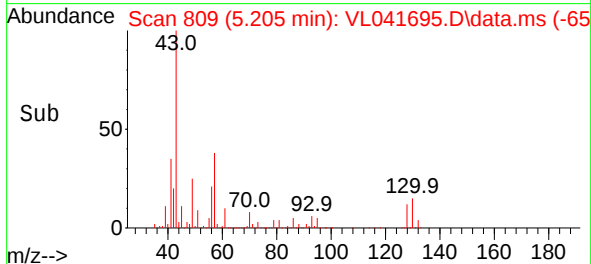
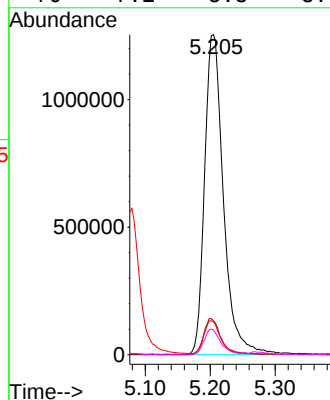
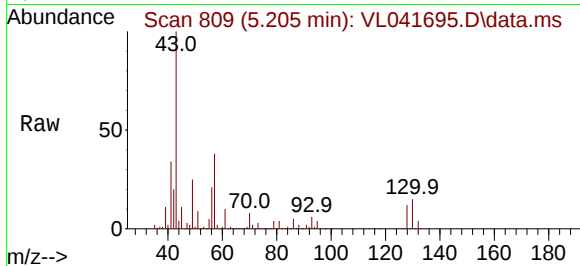


#25
Ethyl Acetate
Concen: 9.219 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.003 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDC0010EC

Tgt Ion: 43 Resp: 2528302

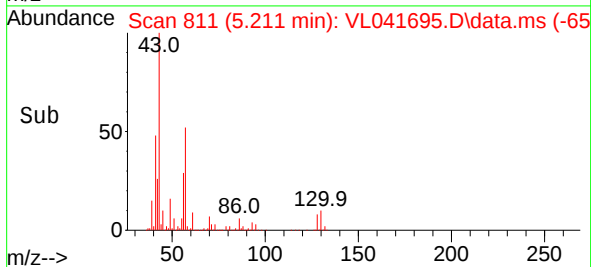
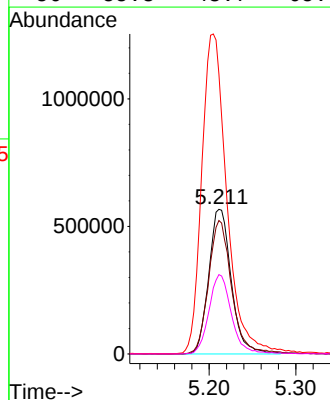
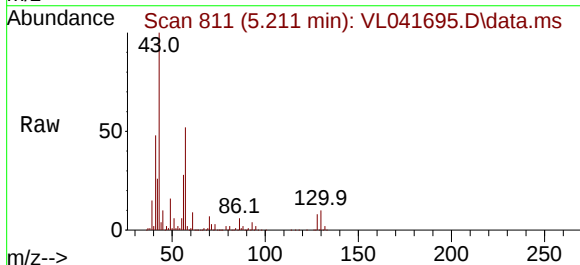
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.6	13.0
61	9.9	8.4	12.6
70	7.1	5.8	8.6

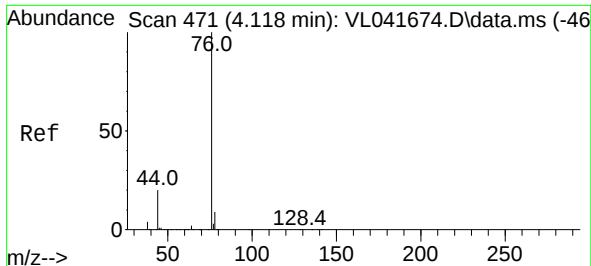


#26
Hexane
Concen: 9.718 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion: 57 Resp: 1023951

Ion	Ratio	Lower	Upper
57	100		
41	95.5	76.1	114.1
43	247.5	207.0	310.6
56	55.3	43.7	65.5

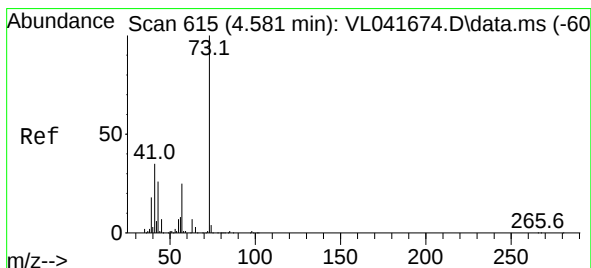
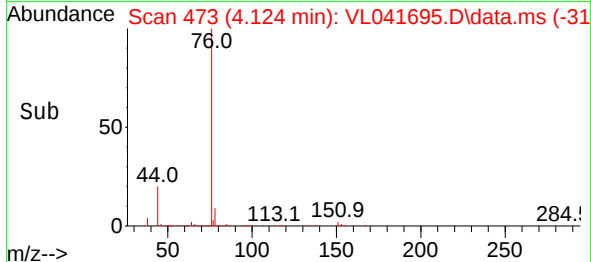
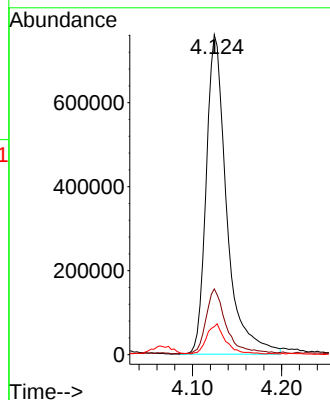
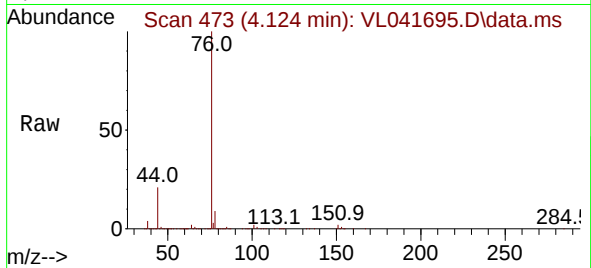




#27
Carbon Disulfide
Concen: 10.226 ppbv
RT: 4.124 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

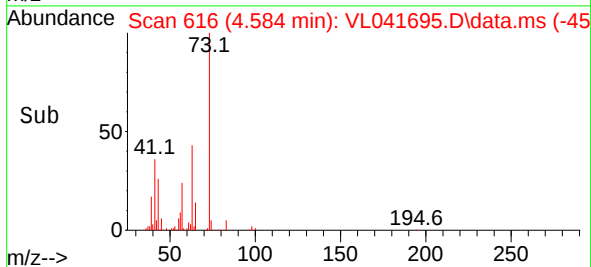
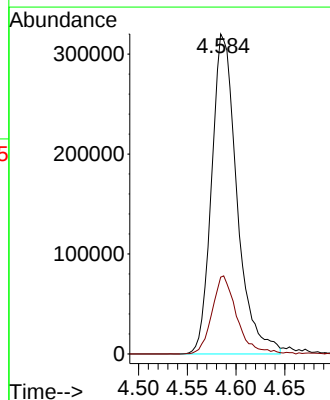
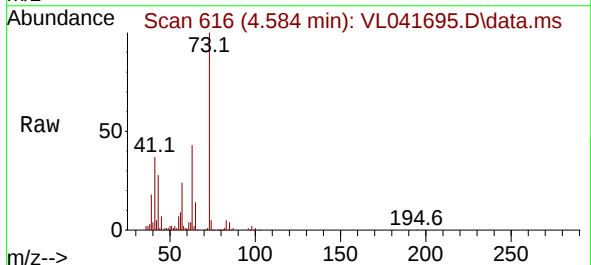
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

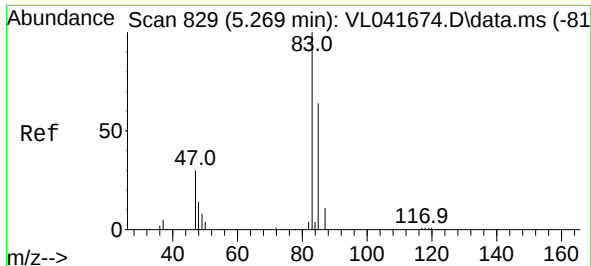
Tgt Ion: 76 Resp: 1210492
Ion Ratio Lower Upper
76 100
44 19.6 15.8 23.8
78 9.8 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 8.527 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.003 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion: 73 Resp: 578570
Ion Ratio Lower Upper
73 100
57 24.1 19.6 29.4





#29

Chloroform

Concen: 9.314 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

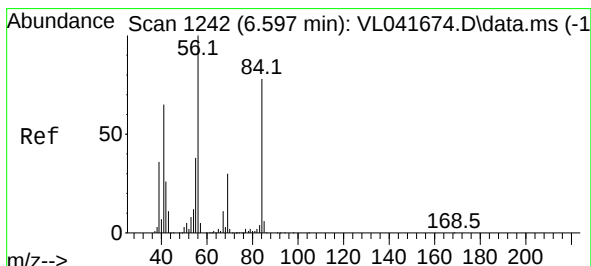
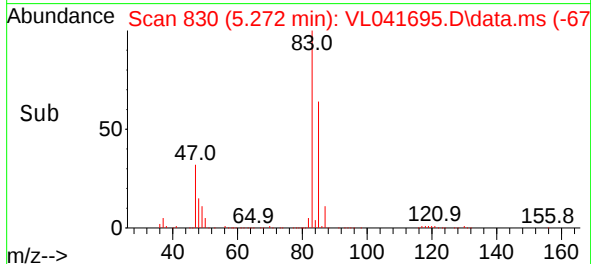
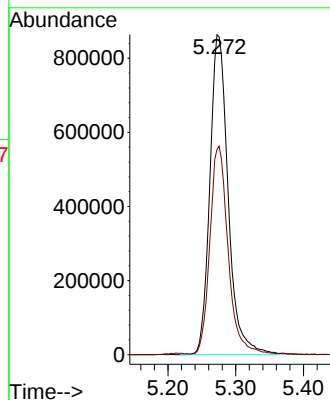
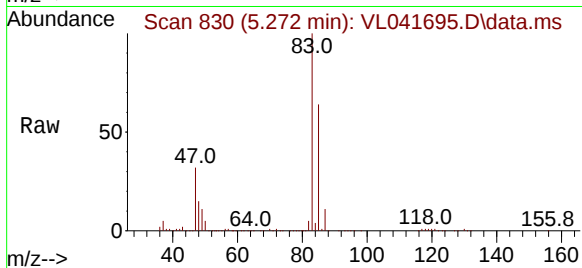
VSTDCCC010EC

Tgt Ion: 83 Resp: 1619811

Ion Ratio Lower Upper

83 100

85 63.7 51.1 76.7



#30

Cyclohexane

Concen: 9.613 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

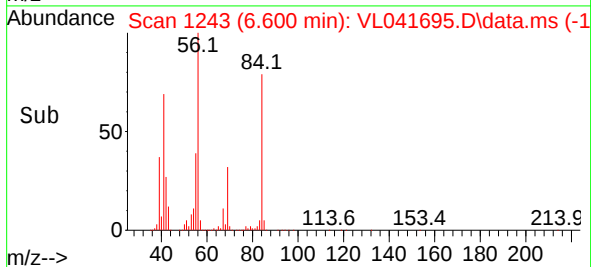
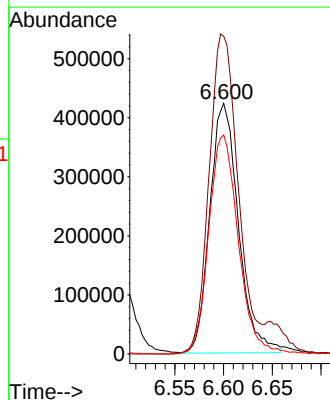
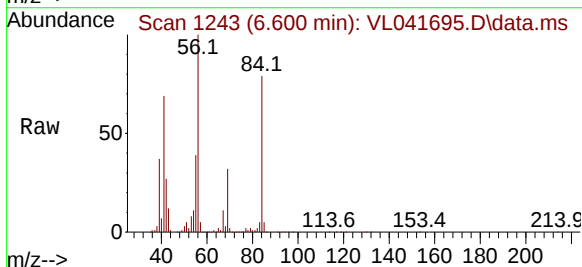
Tgt Ion: 84 Resp: 862378

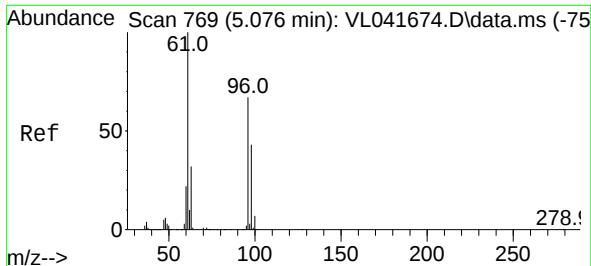
Ion Ratio Lower Upper

84 100

56 140.1 110.8 166.2

41 90.9 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 9.595 ppbv

RT: 5.079 min Scan# 71

Delta R.T. 0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

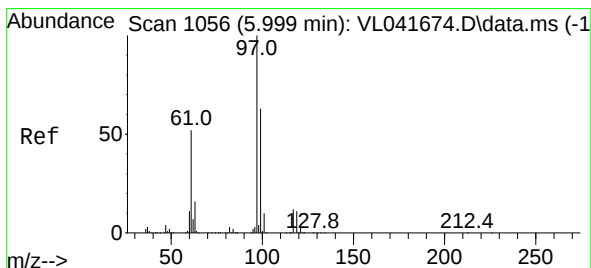
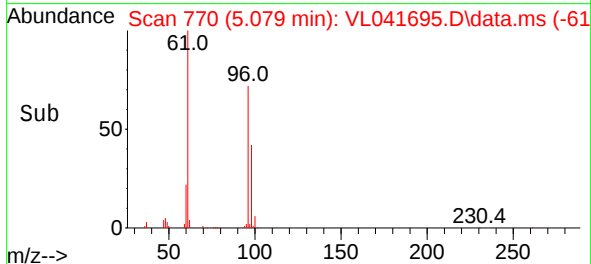
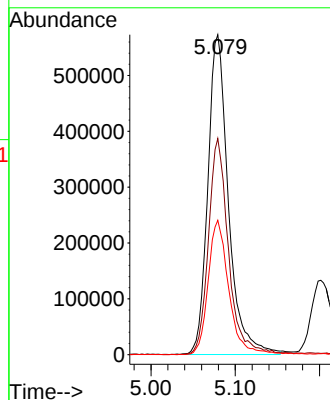
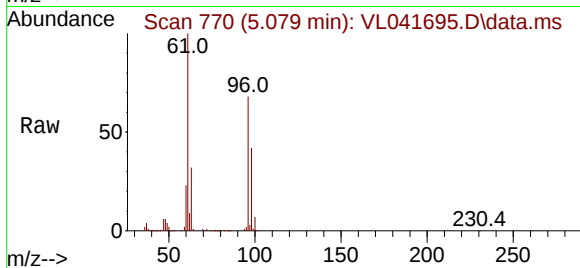
Tgt Ion: 61 Resp: 972537

Ion Ratio Lower Upper

61 100

96 67.5 53.4 80.2

98 41.9 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 9.892 ppbv

RT: 6.002 min Scan# 1057

Delta R.T. 0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

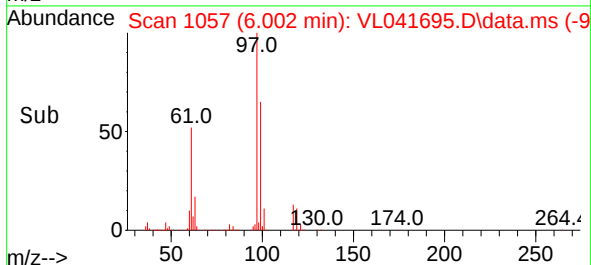
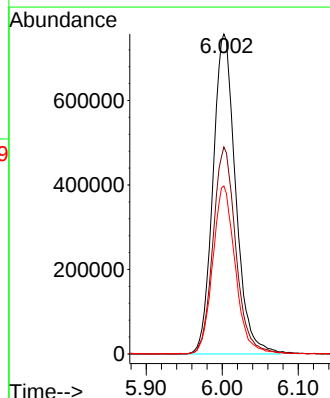
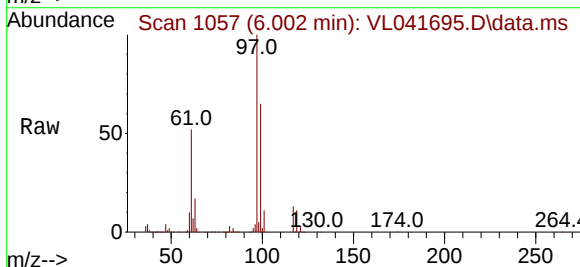
Tgt Ion: 97 Resp: 1569490

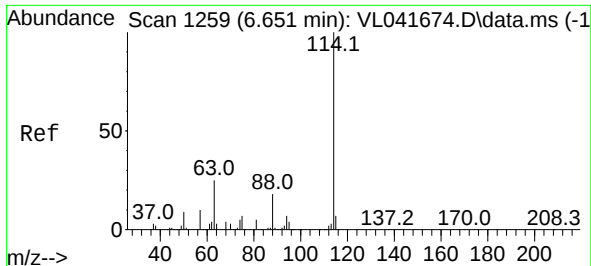
Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.2

61 52.4 41.7 62.5

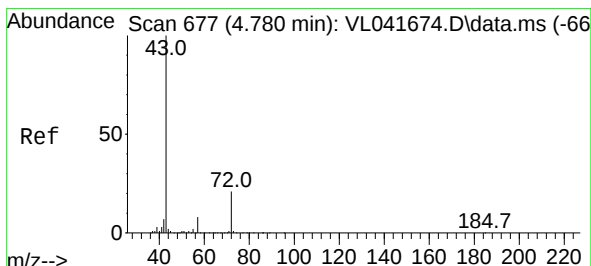
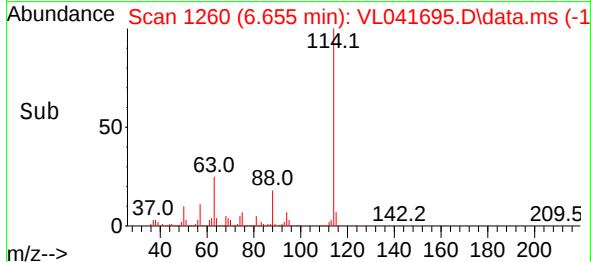
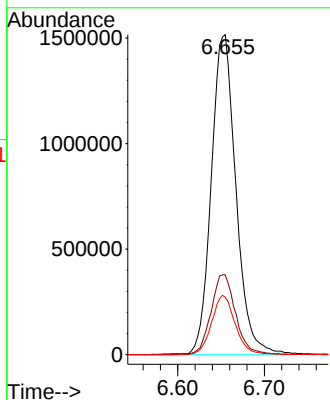
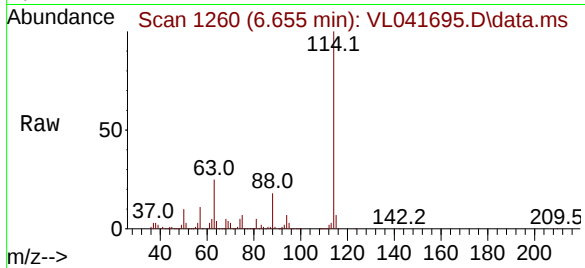




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

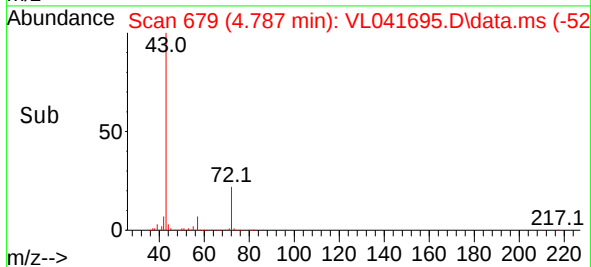
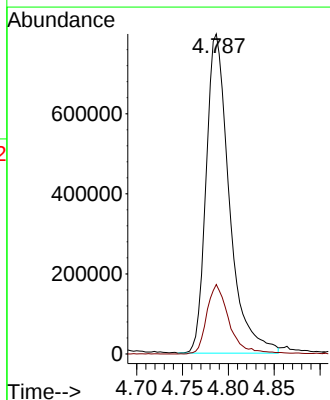
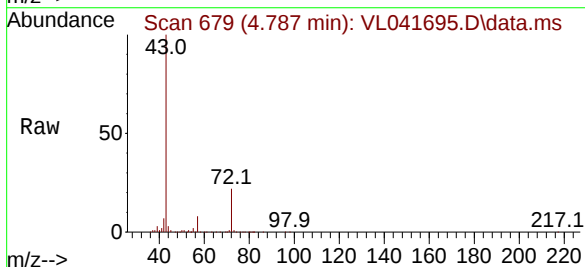
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

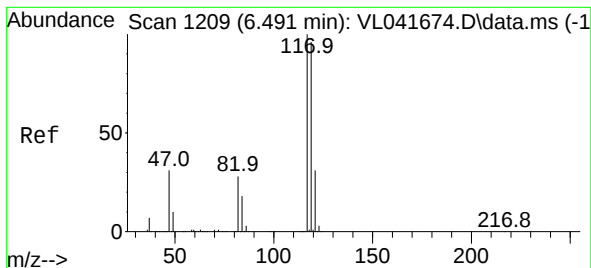
Tgt Ion:114 Resp: 2989714
Ion Ratio Lower Upper
114 100
63 25.4 20.3 30.5
88 17.9 14.2 21.4



#34
2-Butanone
Concen: 9.414 ppbv
RT: 4.787 min Scan# 679
Delta R.T. 0.007 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion: 43 Resp: 1401455
Ion Ratio Lower Upper
43 100
72 21.4 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.572 ppbv

RT: 6.491 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010EC

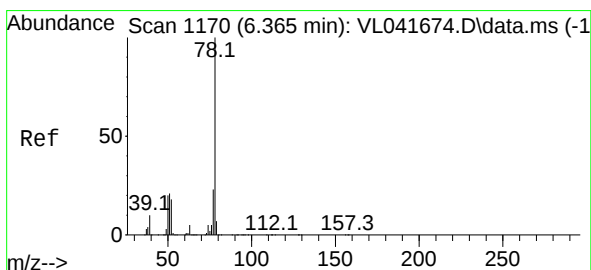
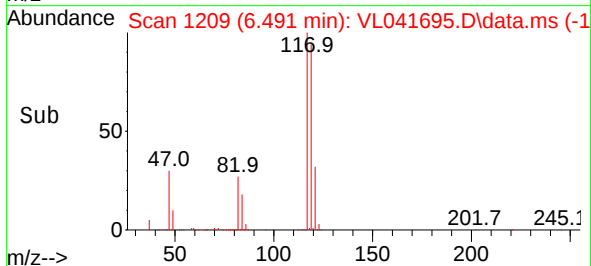
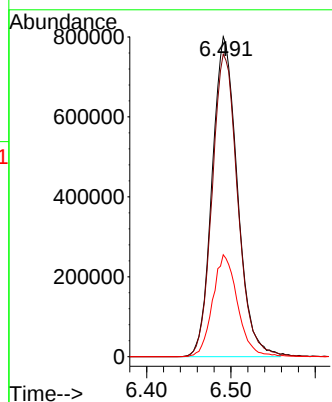
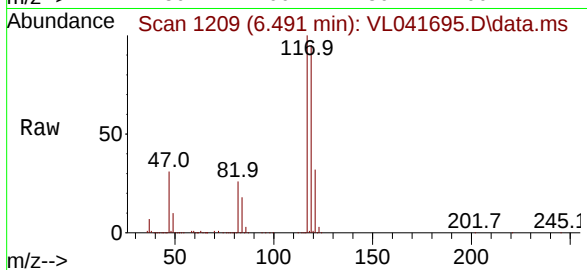
Tgt Ion:117 Resp: 1667580

Ion Ratio Lower Upper

117 100

119 94.5 77.2 115.8

121 31.9 25.0 37.4



#36

Benzene

Concen: 9.847 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

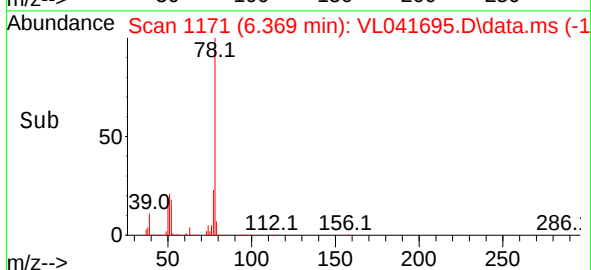
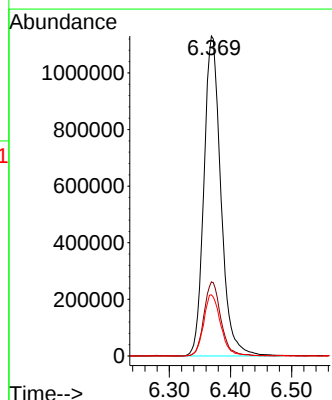
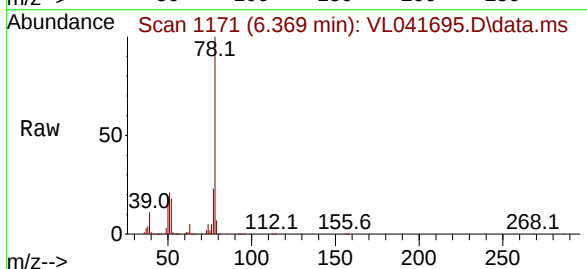
Tgt Ion: 78 Resp: 2181352

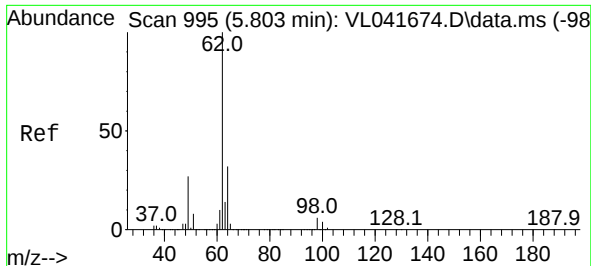
Ion Ratio Lower Upper

78 100

77 23.1 18.5 27.7

50 19.1 15.6 23.4





#37

1,2-Dichloroethane

Concen: 9.758 ppbv

RT: 5.806 min Scan# 995

Delta R.T. 0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

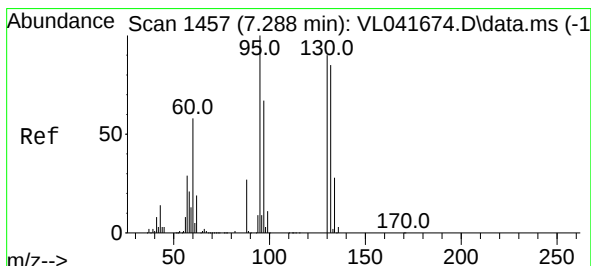
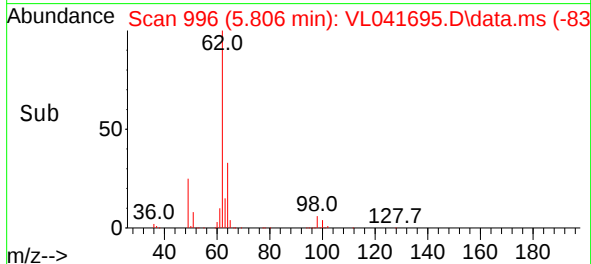
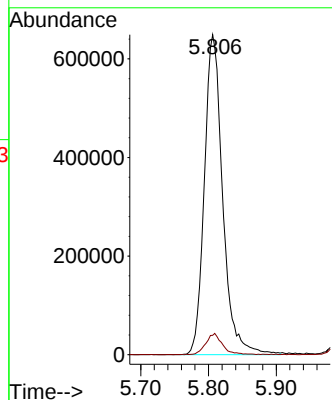
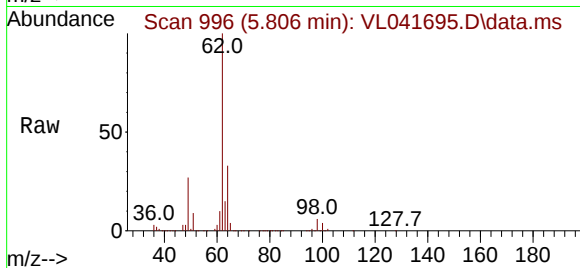
VSTDCCC010EC

Tgt Ion: 62 Resp: 1219445

Ion Ratio Lower Upper

62 100

98 6.2 5.2 7.8



#38

Trichloroethene

Concen: 14.524 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Tgt Ion:130 Resp: 1235656

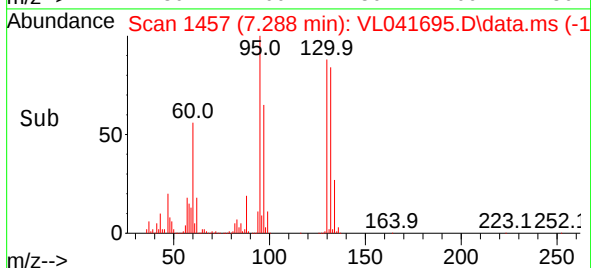
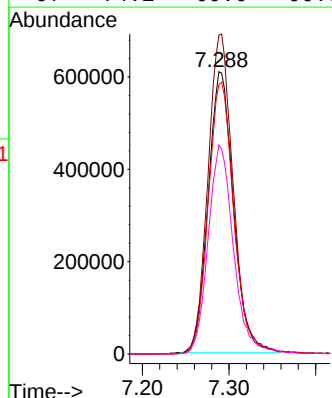
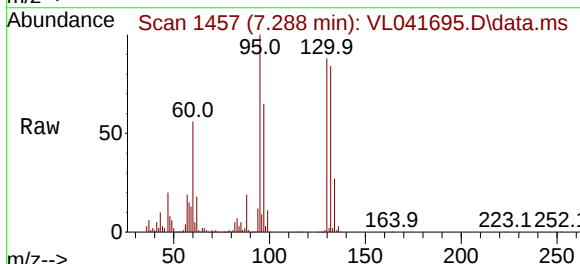
Ion Ratio Lower Upper

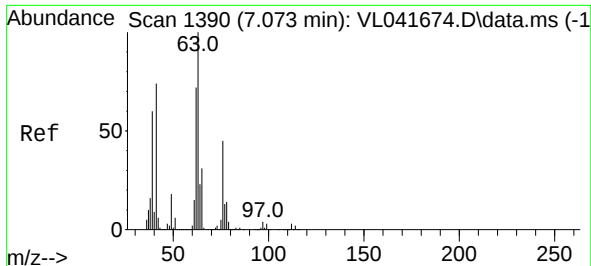
130 100

95 113.3 89.1 133.7

132 95.7 75.7 113.5

97 74.2 60.0 90.0





#39

1,2-Dichloropropane

Concen: 9.656 ppbv

RT: 7.073 min Scan# 1390

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

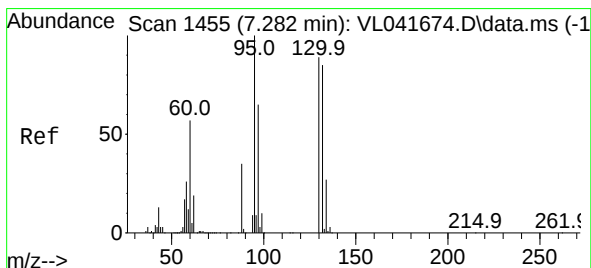
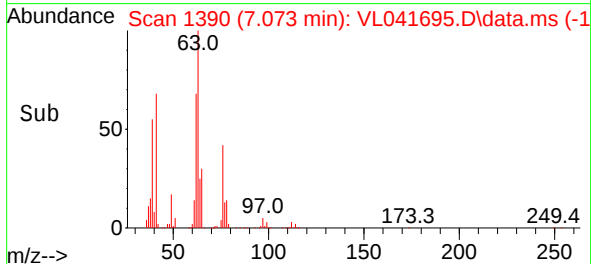
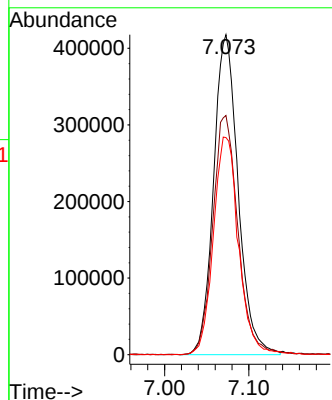
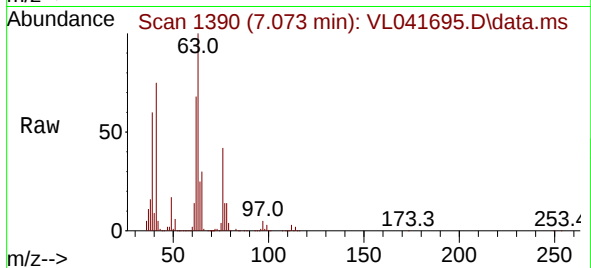
Tgt Ion: 63 Resp: 845320

Ion Ratio Lower Upper

63 100

41 74.7 59.1 88.7

62 67.8 57.7 86.5



#40

1,4-Dioxane

Concen: 10.428 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Tgt Ion: 88 Resp: 327544

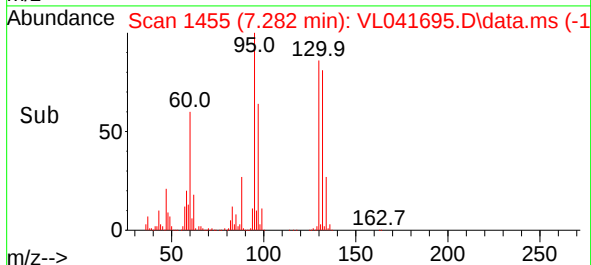
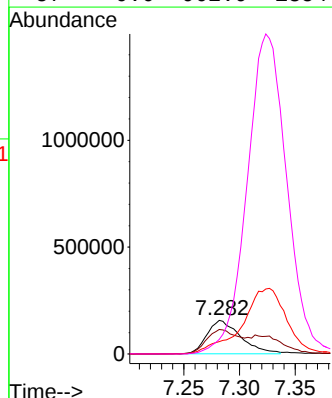
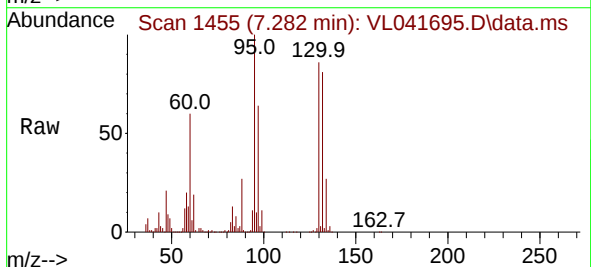
Ion Ratio Lower Upper

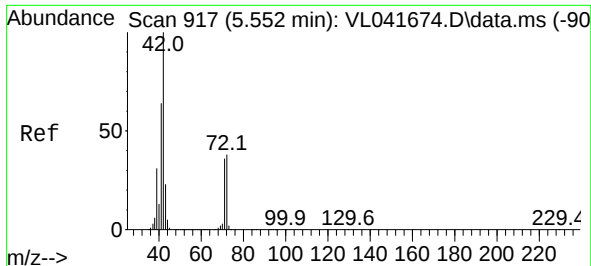
88 100

58 127.4 101.4 152.2

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 9.957 ppbv

RT: 5.555 min Scan# 917

Delta R.T. 0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

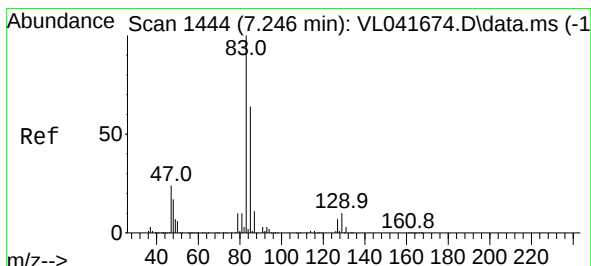
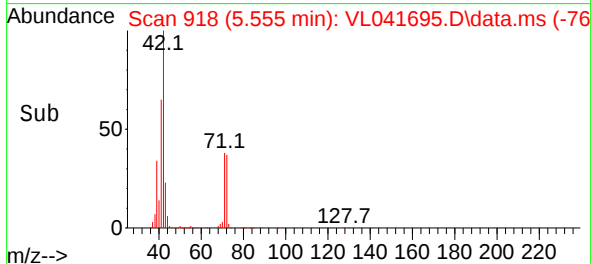
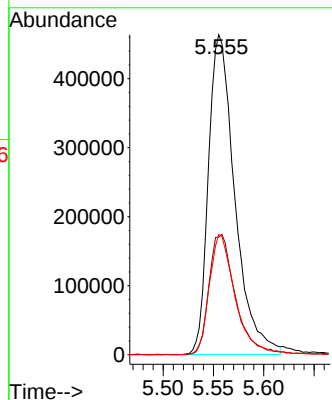
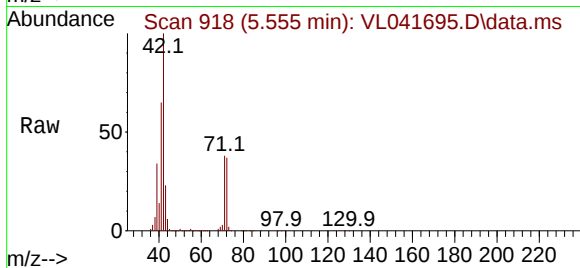
Tgt Ion: 42 Resp: 846490

Ion Ratio Lower Upper

42 100

72 38.2 29.8 44.6

71 37.3 29.4 44.2



#42

Bromodichloromethane

Concen: 9.931 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

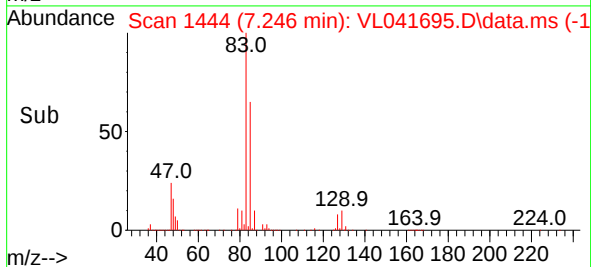
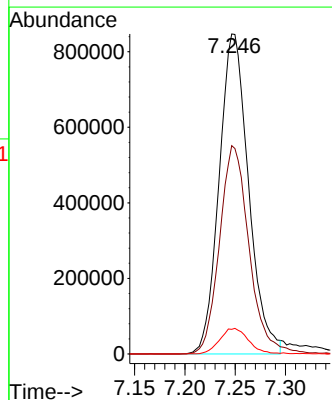
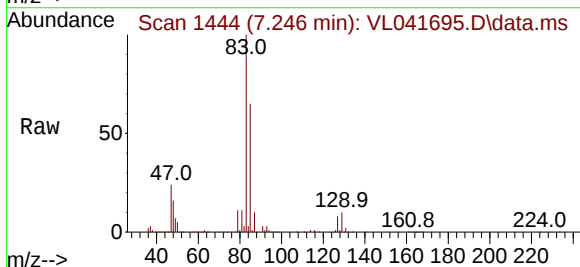
Tgt Ion: 83 Resp: 1724577

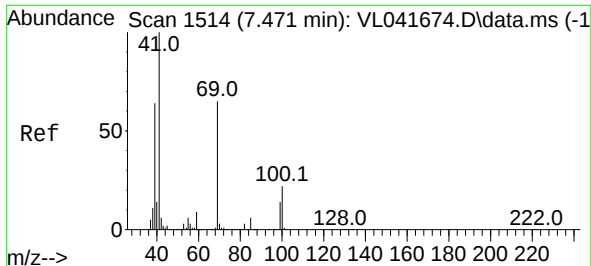
Ion Ratio Lower Upper

83 100

85 65.1 51.2 76.8

127 7.7 6.0 9.0





#43

Methyl Methacrylate

Concen: 10.730 ppbv

RT: 7.472 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

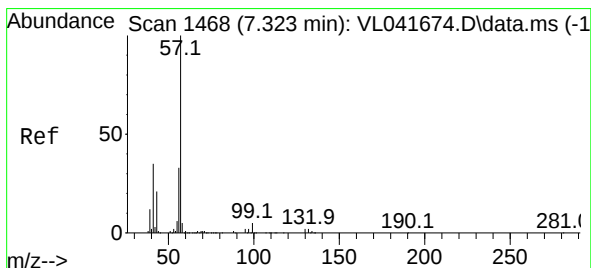
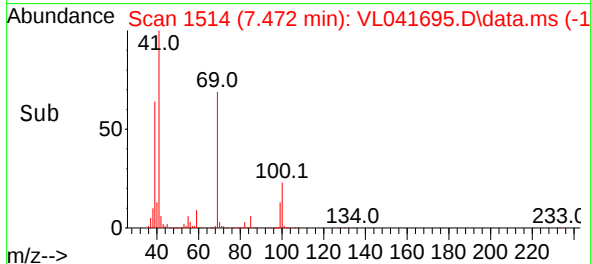
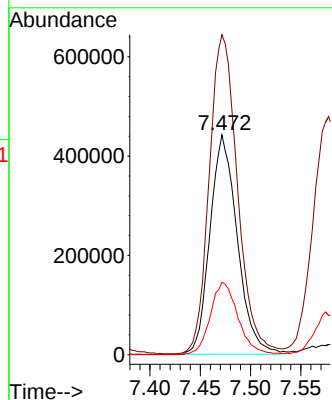
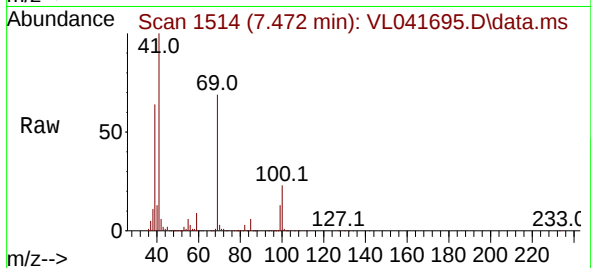
Tgt Ion: 69 Resp: 834601

Ion Ratio Lower Upper

69 100

41 151.9 119.8 179.6

100 33.6 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 9.922 ppbv

RT: 7.324 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

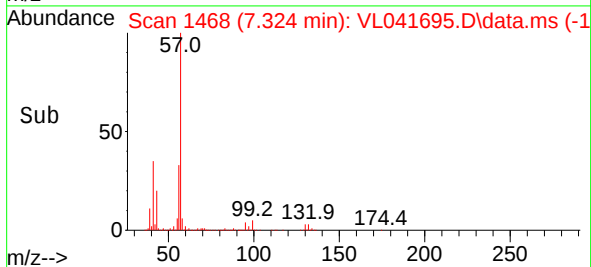
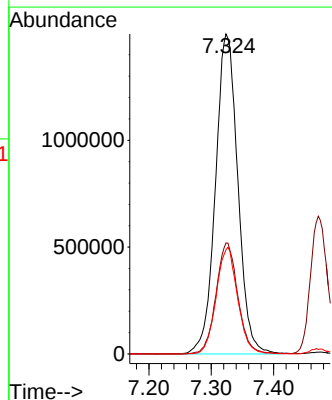
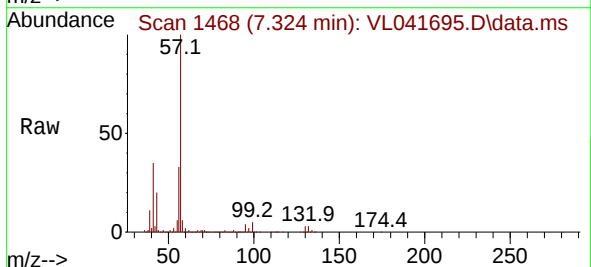
Tgt Ion: 57 Resp: 3723039

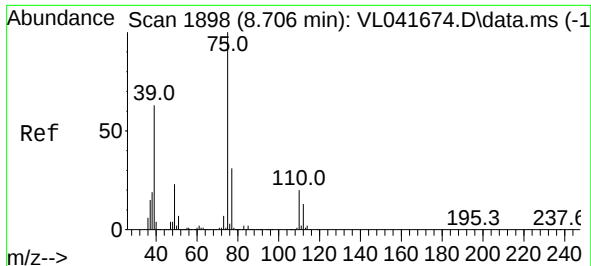
Ion Ratio Lower Upper

57 100

41 33.8 27.0 40.6

56 32.0 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 9.769 ppbv

RT: 8.706 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

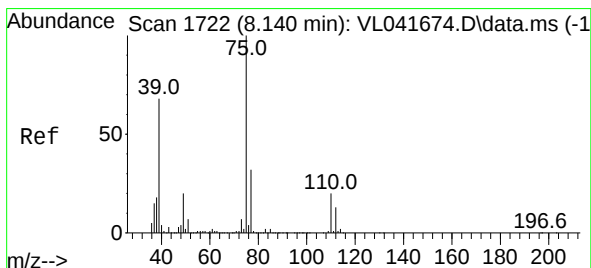
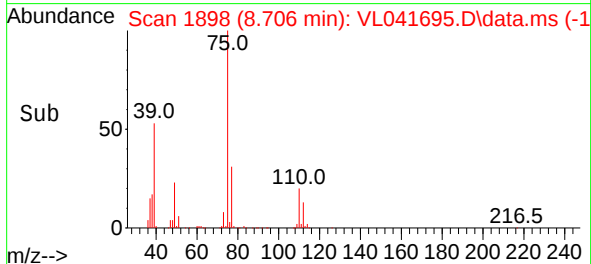
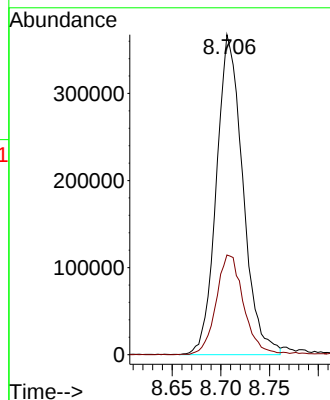
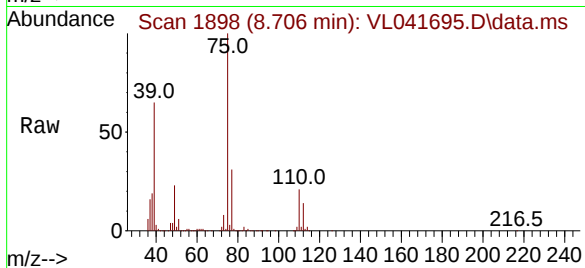
VSTDCCC010EC

Tgt Ion: 75 Resp: 694300

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 10.175 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

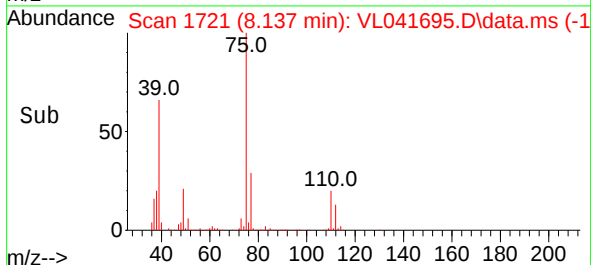
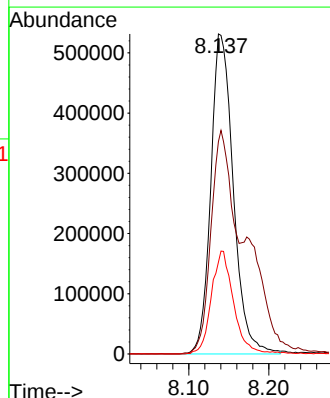
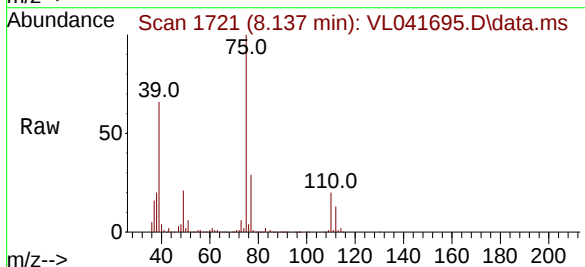
Tgt Ion: 75 Resp: 1038635

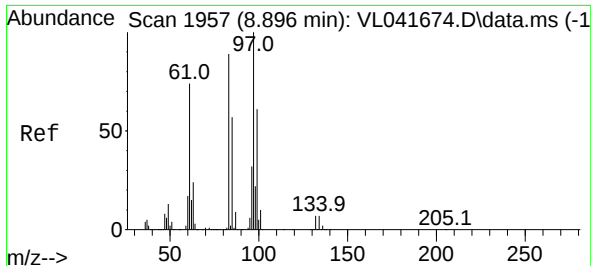
Ion Ratio Lower Upper

75 100

39 66.4 54.1 81.1

77 28.7 25.3 37.9



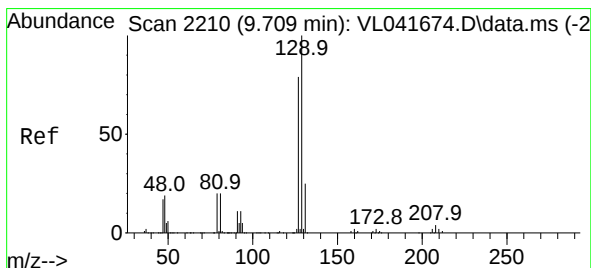
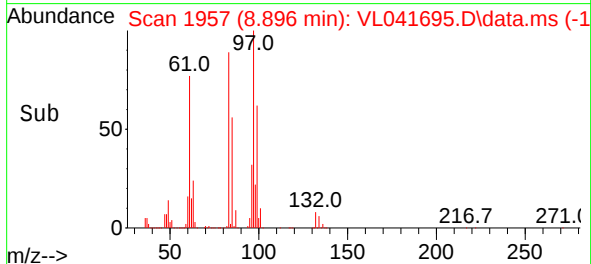
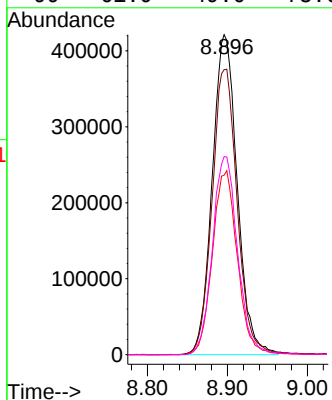
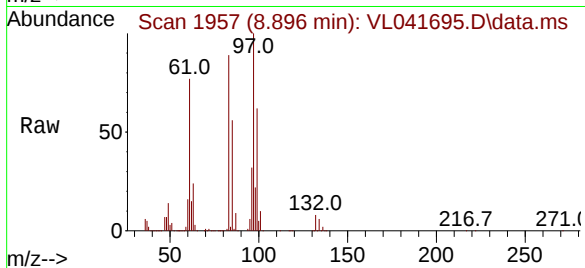


#47
1,1,2-Trichloroethane
Concen: 9.641 ppbv
RT: 8.896 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 913423

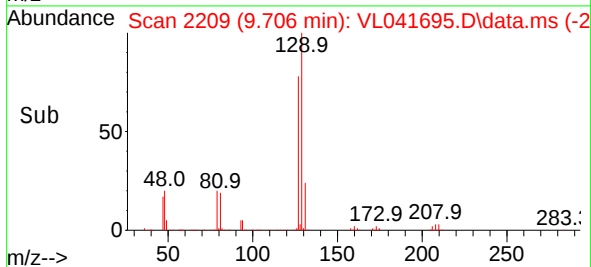
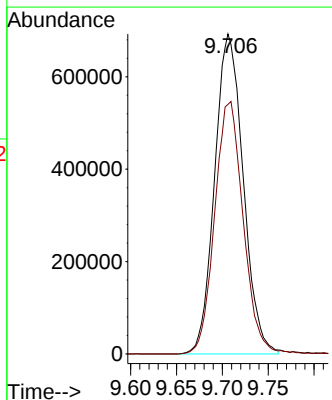
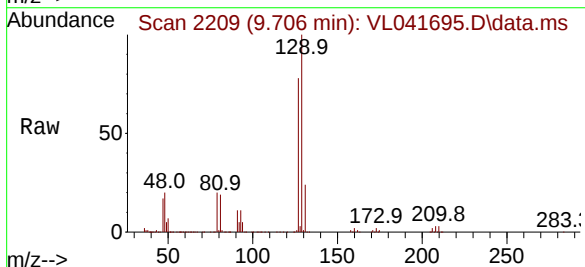
Ion	Ratio	Lower	Upper
97	100		
83	89.0	71.0	106.6
85	56.1	45.4	68.2
99	61.9	49.0	73.6

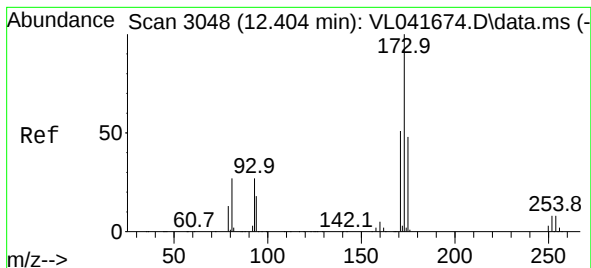


#48
Dibromochloromethane
Concen: 10.419 ppbv
RT: 9.706 min Scan# 2209
Delta R.T. -0.003 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion: 129 Resp: 1500662

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.1	117.2





#49

Bromoform

Concen: 10.937 ppbv

RT: 12.401 min Scan# 3047

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

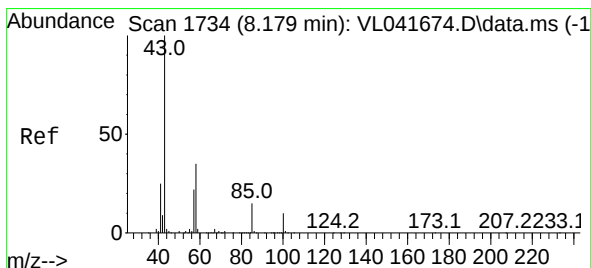
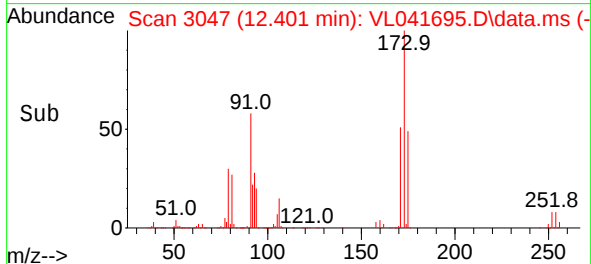
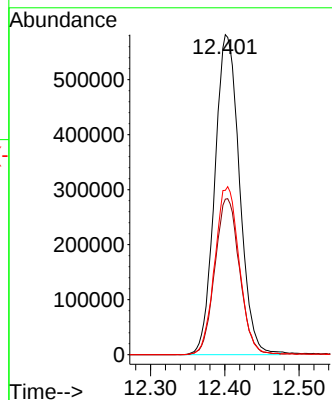
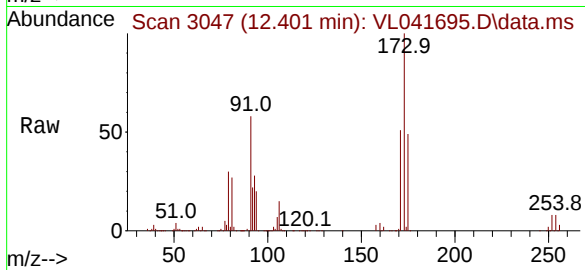
Tgt Ion:173 Resp: 1347774

Ion Ratio Lower Upper

173 100

175 48.9 39.2 58.8

171 52.2 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 10.521 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VL041695.D

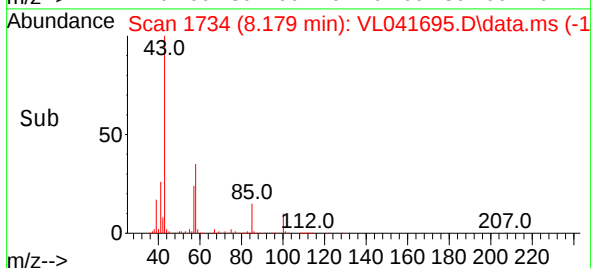
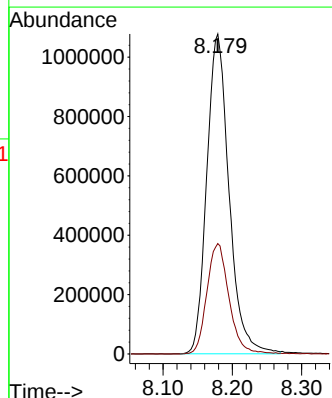
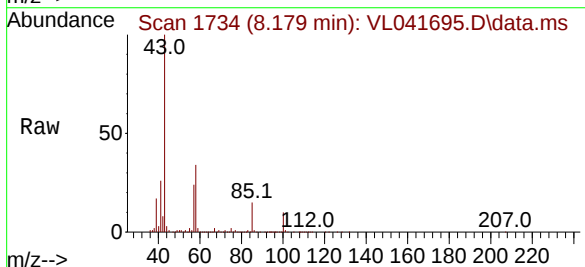
Acq: 8 Nov 2024 2:18

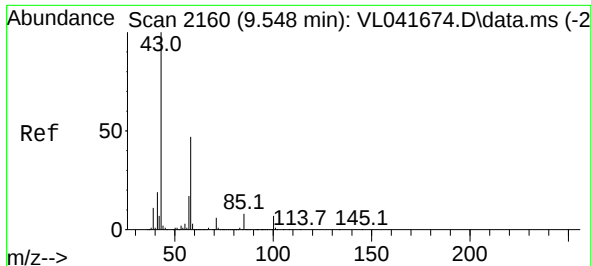
Tgt Ion: 43 Resp: 2404385

Ion Ratio Lower Upper

43 100

58 34.4 27.7 41.5

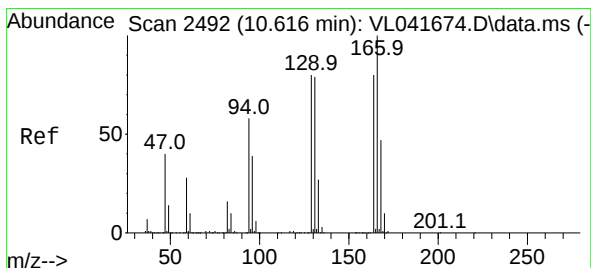
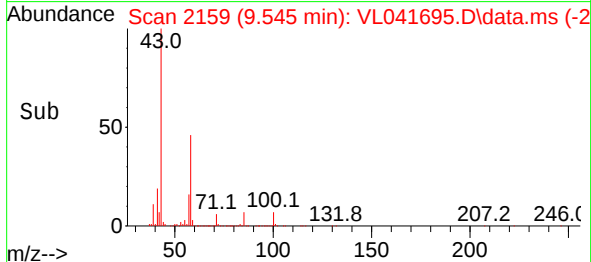
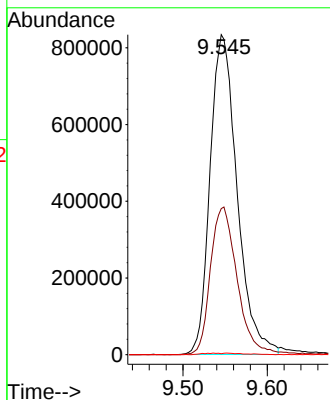
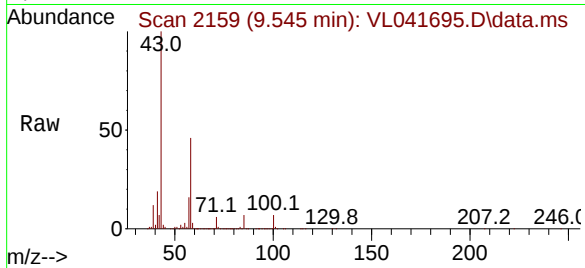




#51
2-Hexanone
Concen: 11.168 ppbv
RT: 9.545 min Scan# 2160
Delta R.T. -0.003 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

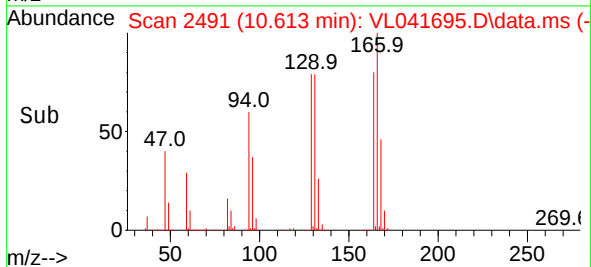
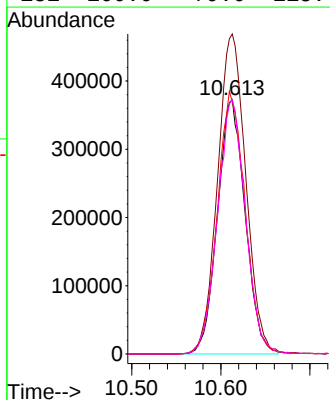
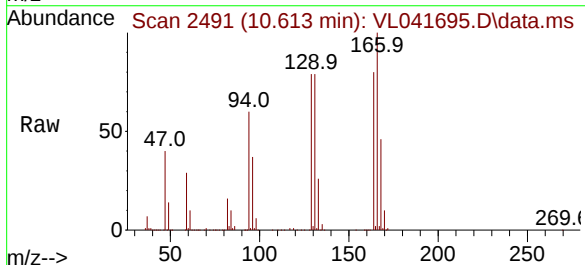
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

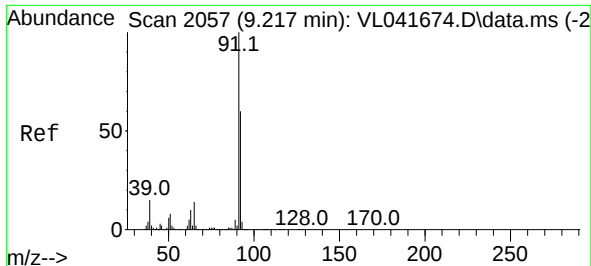
Tgt Ion: 43 Resp: 1858610
Ion Ratio Lower Upper
43 100
58 46.3 37.0 55.6
98 0.7 0.6 0.8



#52
Tetrachloroethene
Concen: 10.632 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.003 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion:164 Resp: 802617
Ion Ratio Lower Upper
164 100
166 125.8 100.2 150.4
129 99.0 79.7 119.5
131 100.0 79.0 118.4





#53

Toluene

Concen: 10.790 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

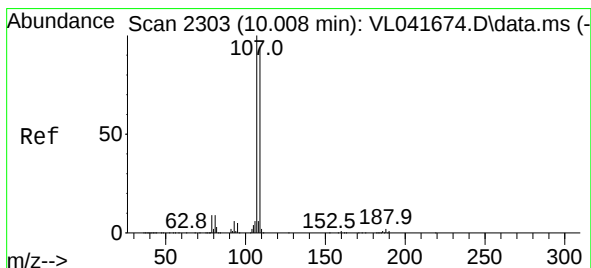
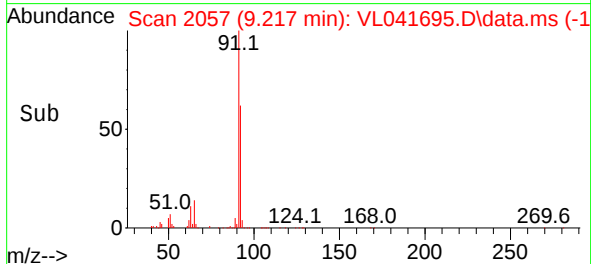
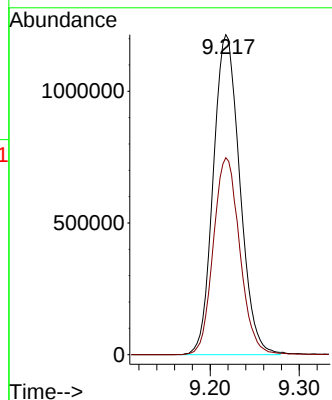
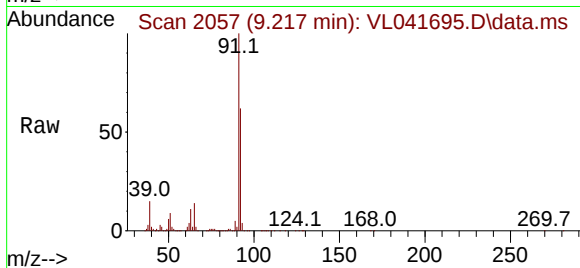
VSTDCCC010EC

Tgt Ion: 91 Resp: 2513473

Ion Ratio Lower Upper

91 100

92 61.5 49.0 73.4



#54

1,2-Dibromoethane

Concen: 10.803 ppbv

RT: 10.005 min Scan# 2302

Delta R.T. -0.003 min

Lab File: VL041695.D

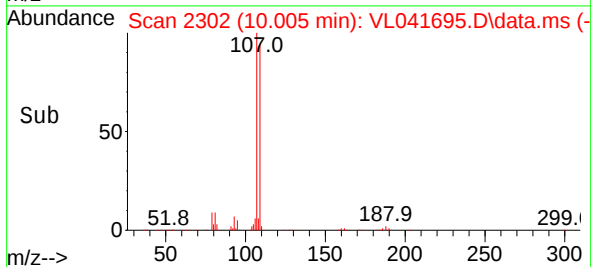
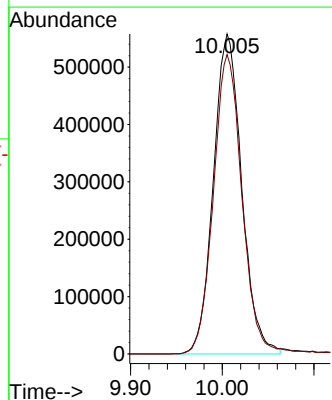
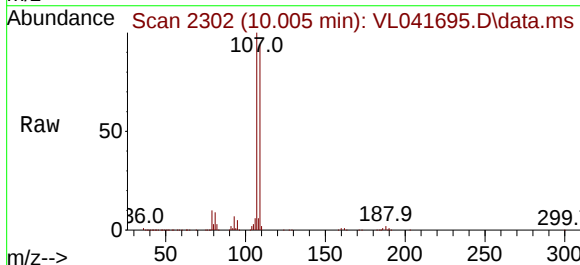
Acq: 8 Nov 2024 2:18

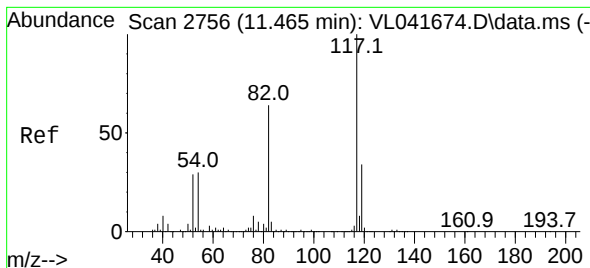
Tgt Ion:107 Resp: 1195844

Ion Ratio Lower Upper

107 100

109 93.4 74.9 112.3

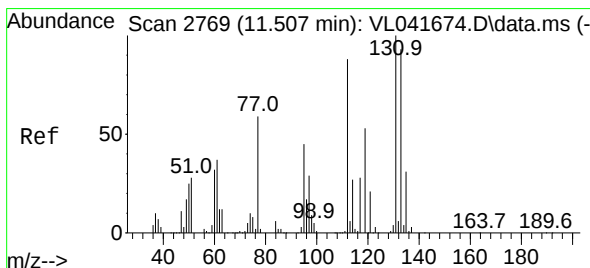
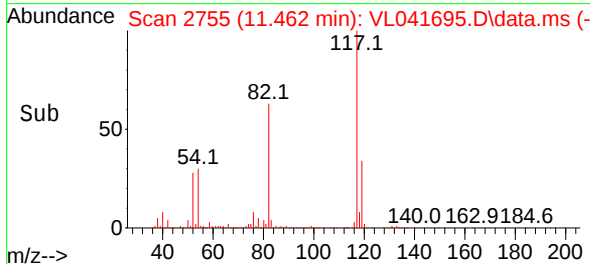
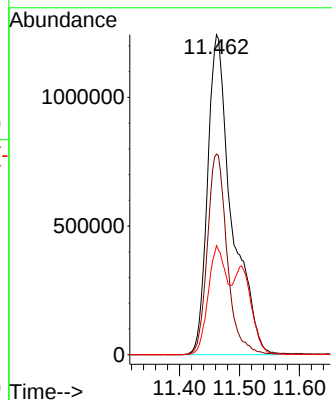
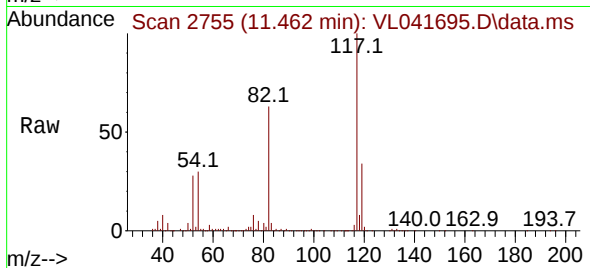




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

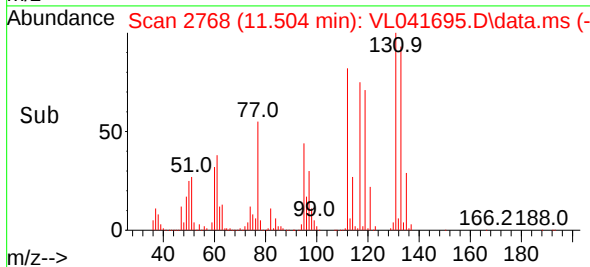
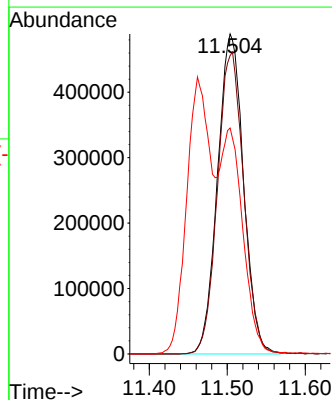
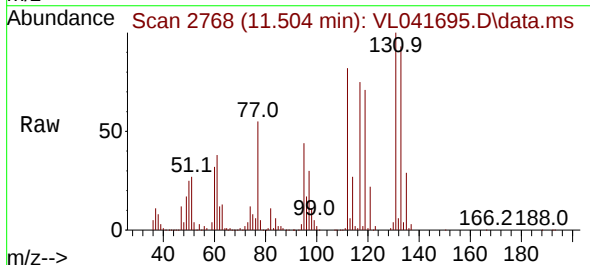
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

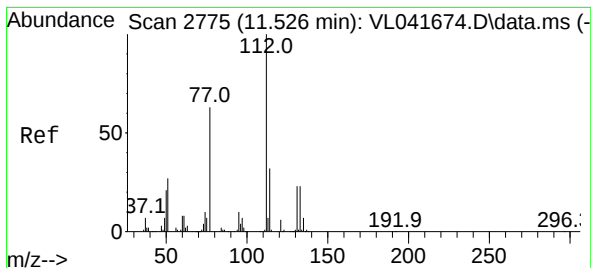
Tgt Ion:117 Resp: 3492027
Ion Ratio Lower Upper
117 100
82 51.8 49.8 74.8
119 24.5 24.2 36.4



#56
1,1,1,2-Tetrachloroethane
Concen: 7.870 ppbv
RT: 11.504 min Scan# 2768
Delta R.T. -0.003 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion:131 Resp: 1133444
Ion Ratio Lower Upper
131 100
133 95.1 76.5 114.7
119 60.2 49.8 74.8

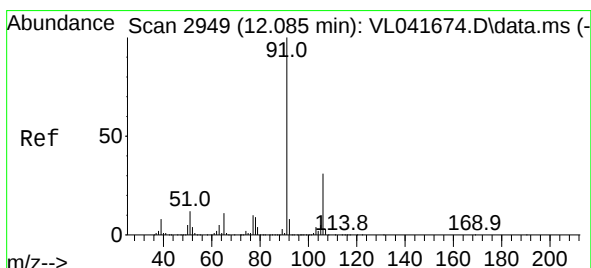
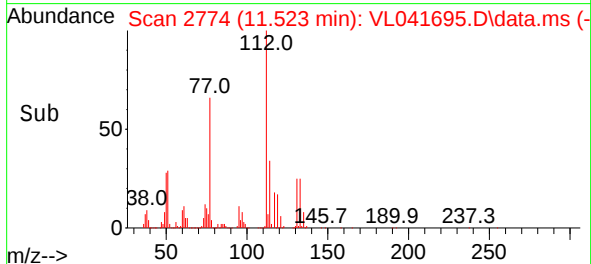
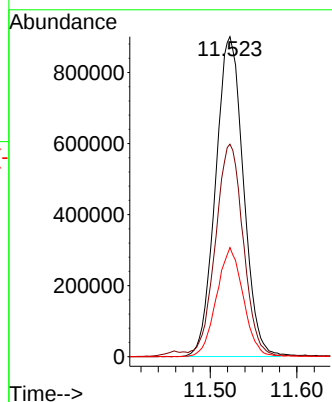
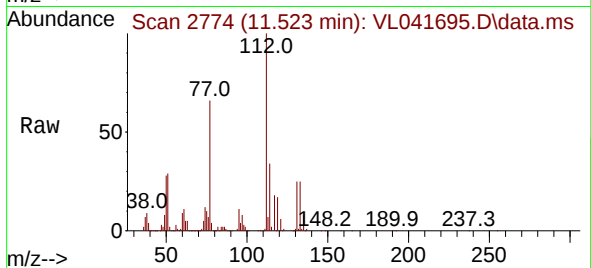




#57
Chlorobenzene
Concen: 7.785 ppbv
RT: 11.523 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

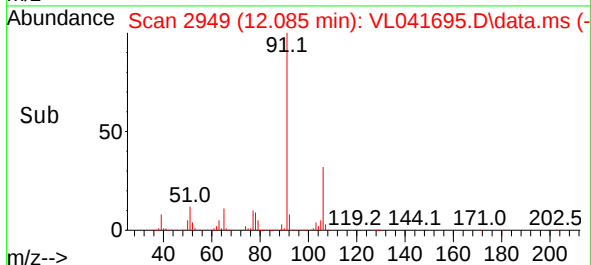
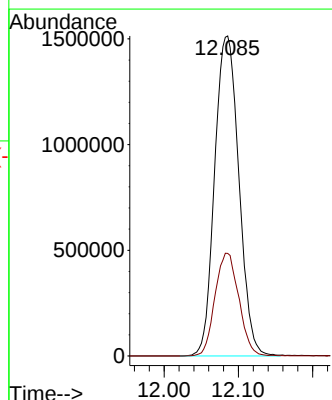
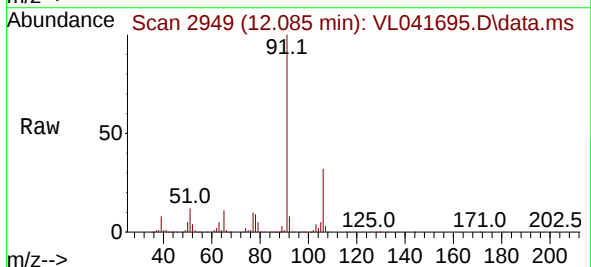
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

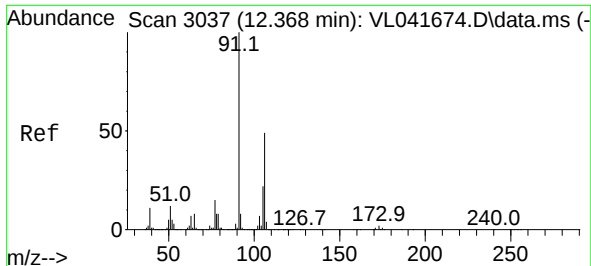
Tgt Ion:112 Resp: 2010706
Ion Ratio Lower Upper
112 100
77 65.8 51.4 77.2
114 34.1 28.4 34.8



#58
Ethyl Benzene
Concen: 8.969 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion: 91 Resp: 3433522
Ion Ratio Lower Upper
91 100
106 32.0 24.9 37.3





#59

m/p-Xylene

Concen: 9.540 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

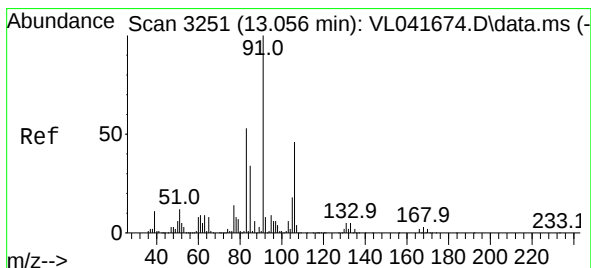
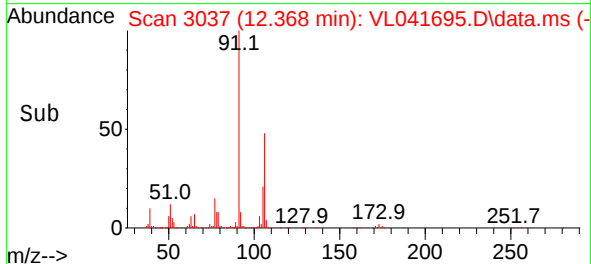
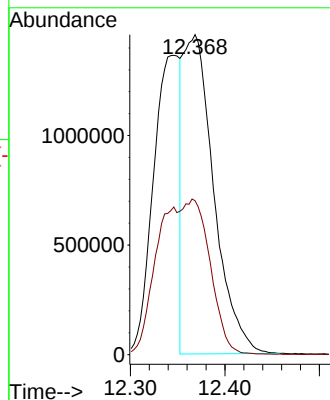
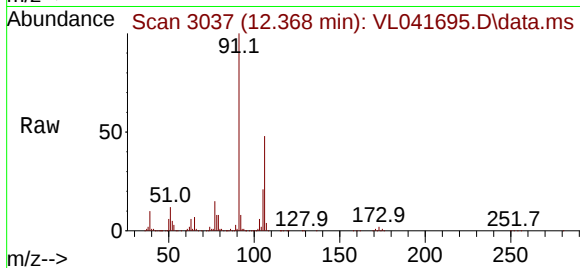
VSTDCCC010EC

Tgt Ion: 91 Resp: 3270490

Ion Ratio Lower Upper

91 100

106 83.1 36.9 55.3#



#60

o-Xylene

Concen: 8.783 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.003 min

Lab File: VL041695.D

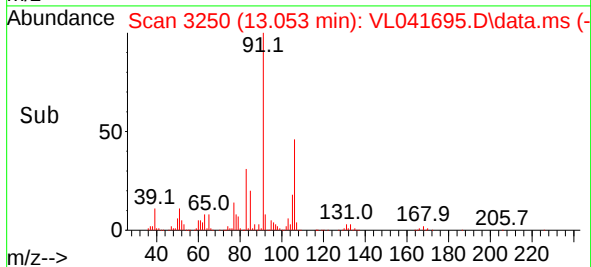
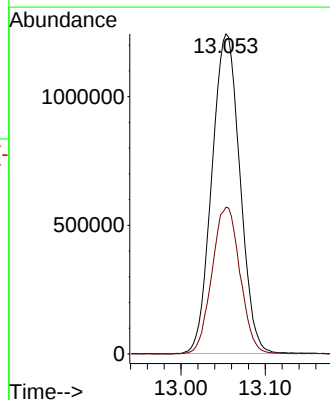
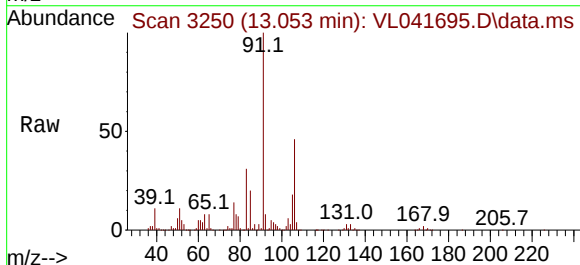
Acq: 8 Nov 2024 2:18

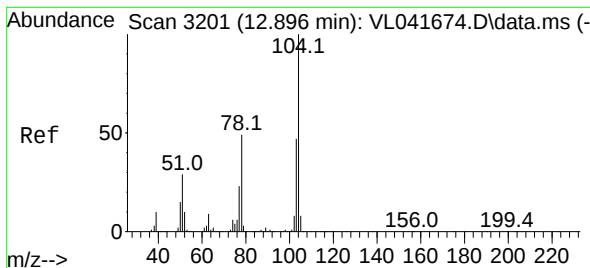
Tgt Ion: 91 Resp: 2871187

Ion Ratio Lower Upper

91 100

106 46.3 23.2 69.6





#61

Styrene

Concen: 10.068 ppbv

RT: 12.893 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

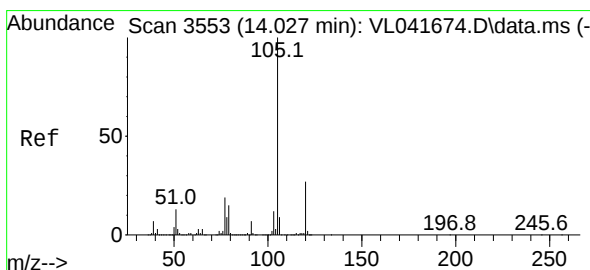
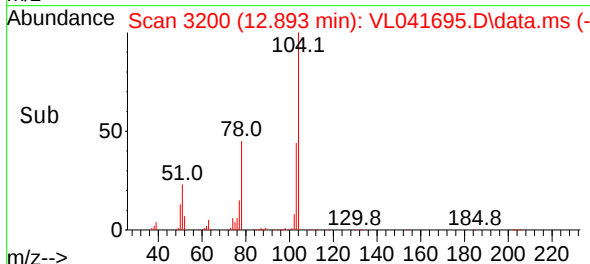
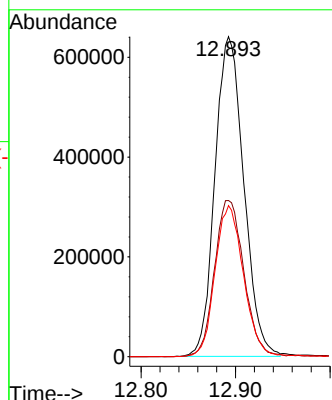
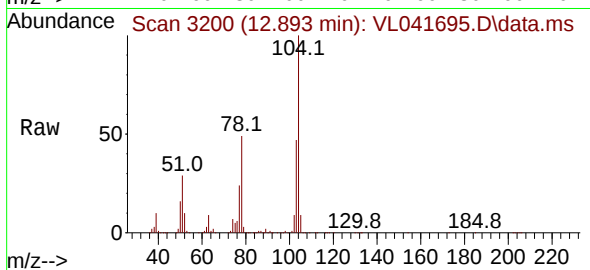
Tgt Ion:104 Resp: 1358389

Ion Ratio Lower Upper

104 100

78 50.0 39.8 59.8

103 46.9 37.4 56.0



#62

Isopropylbenzene

Concen: 8.236 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. -0.003 min

Lab File: VL041695.D

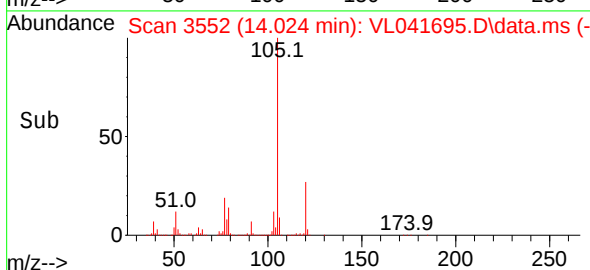
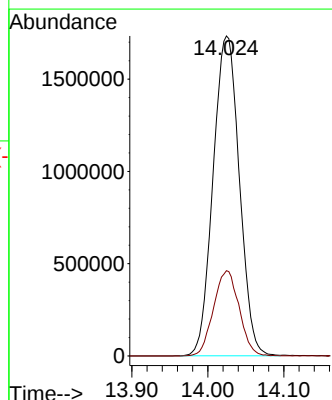
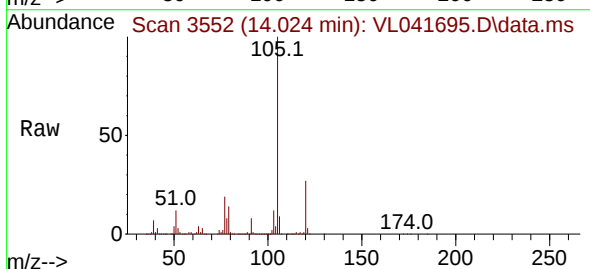
Acq: 8 Nov 2024 2:18

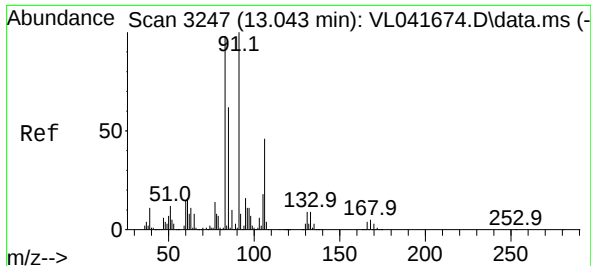
Tgt Ion:105 Resp: 4158014

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

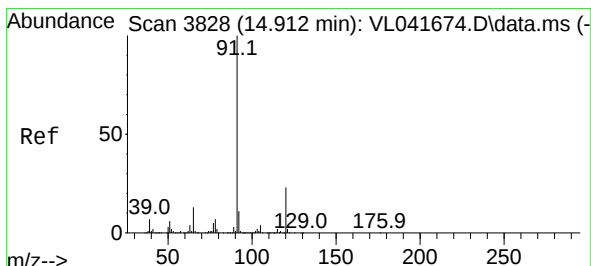
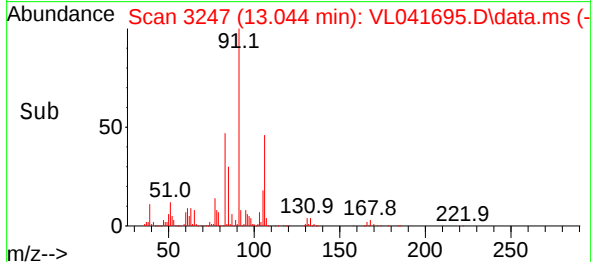
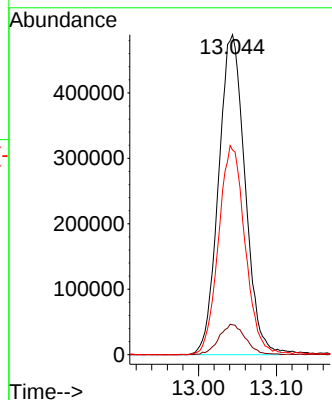
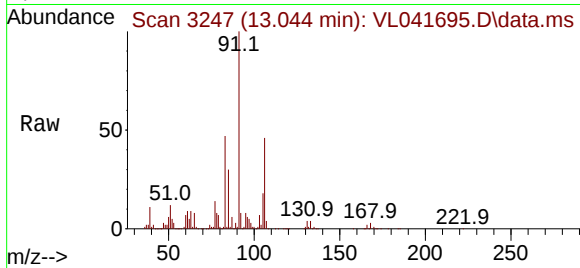




#63
1,1,2,2-Tetrachloroethane
Concen: 4.793 ppbv
RT: 13.044 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

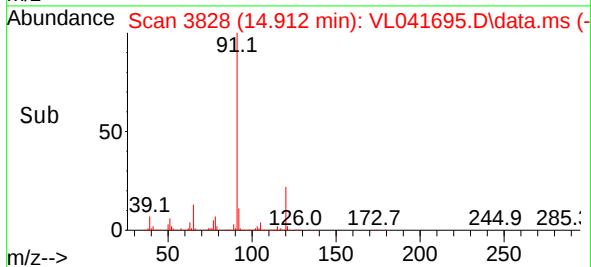
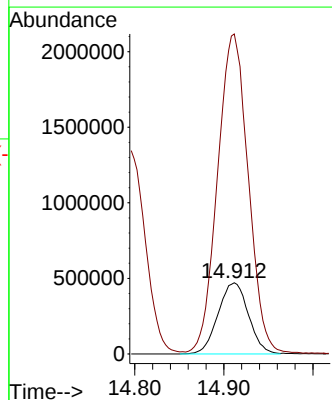
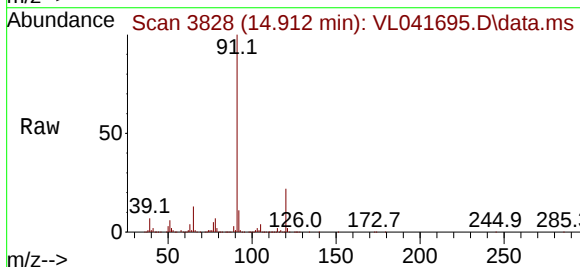
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

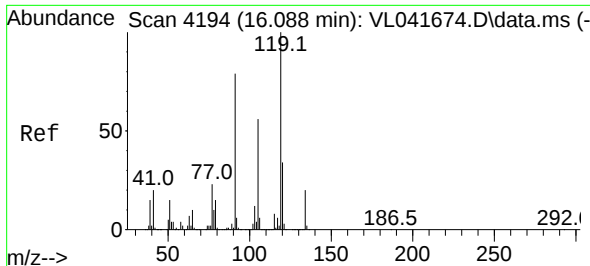
Tgt Ion: 83 Resp: 1152470
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.3
85 66.2 32.6 98.0



#64
n-propylbenzene
Concen: 8.431 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. 0.000 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion:120 Resp: 1114366
Ion Ratio Lower Upper
120 100
91 457.5 362.4 543.6





#65

tert-Butylbenzene

Concen: 8.231 ppbv

RT: 16.082 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

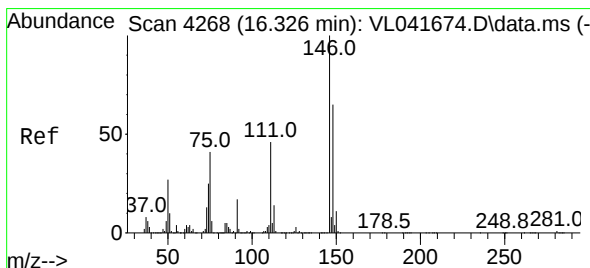
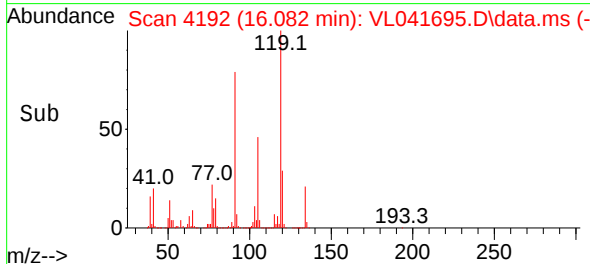
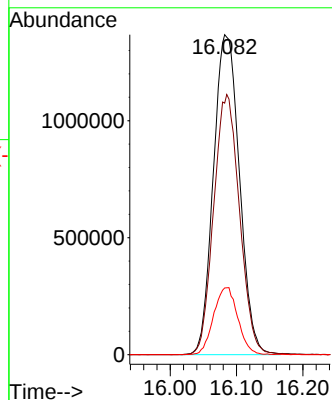
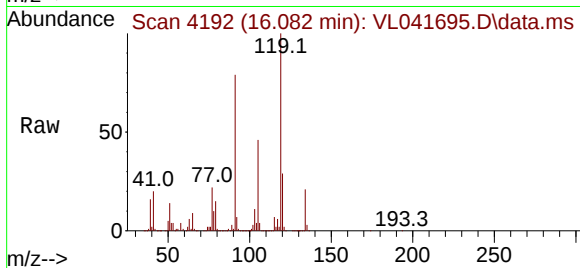
Tgt Ion:119 Resp: 3735121

Ion Ratio Lower Upper

119 100

91 80.4 64.3 96.5

134 19.6 15.8 23.8



#66

Benzyl Chloride

Concen: 4.792 ppbv

RT: 16.320 min Scan# 4266

Delta R.T. -0.006 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

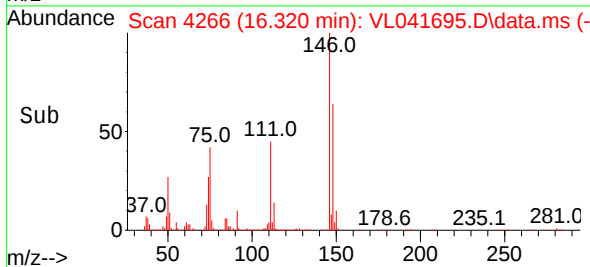
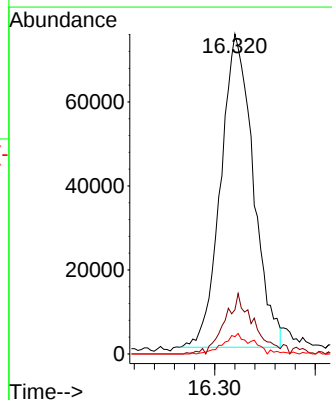
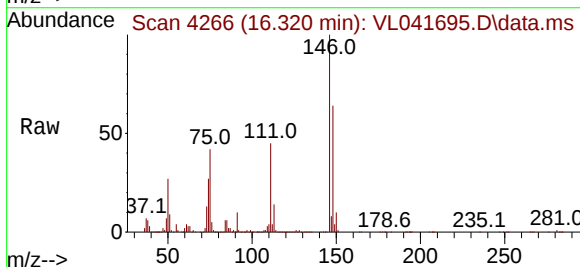
Tgt Ion: 91 Resp: 167293

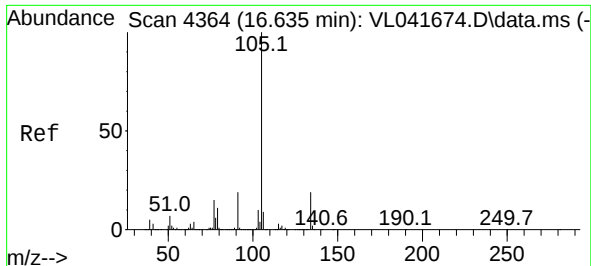
Ion Ratio Lower Upper

91 100

126 18.4 13.8 20.6

128 6.2 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.226 ppbv

RT: 16.629 min Scan# 4362

Delta R.T. -0.006 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

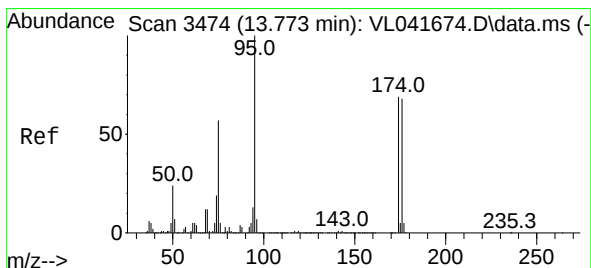
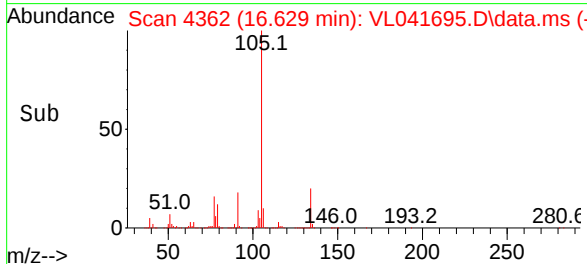
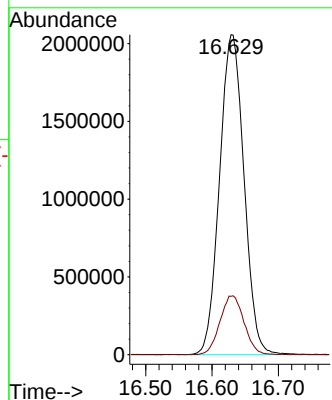
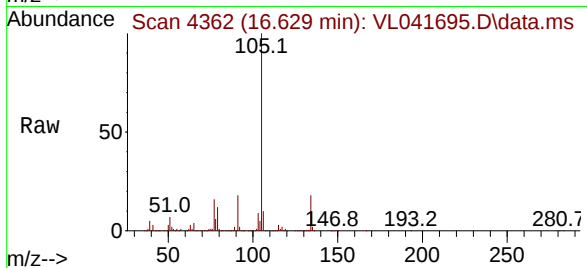
VSTDCCC010EC

Tgt Ion:105 Resp: 5261018

Ion Ratio Lower Upper

105 100

134 18.3 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.630 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

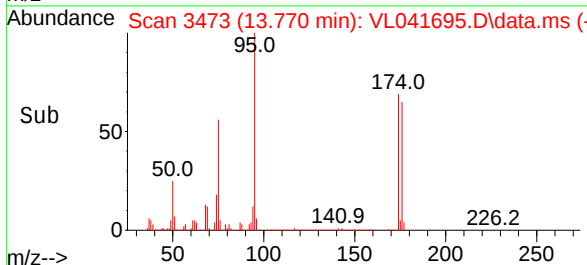
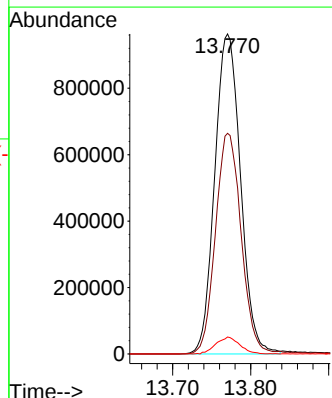
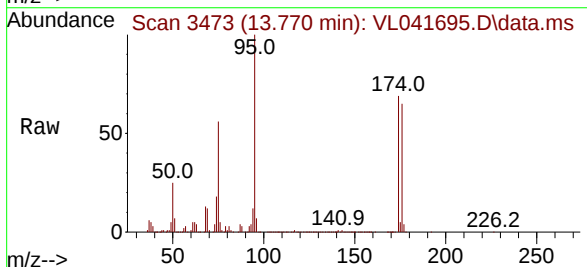
Tgt Ion: 95 Resp: 2220381

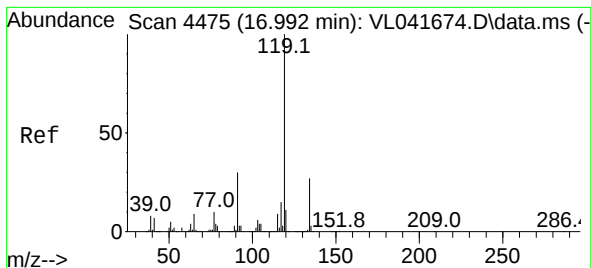
Ion Ratio Lower Upper

95 100

174 69.2 55.6 83.4

175 4.9 4.2 6.2





#69

p-Isopropyltoluene

Concen: 8.460 ppbv

RT: 16.989 min Scan# 4475

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

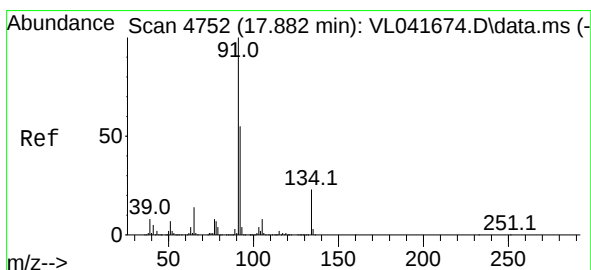
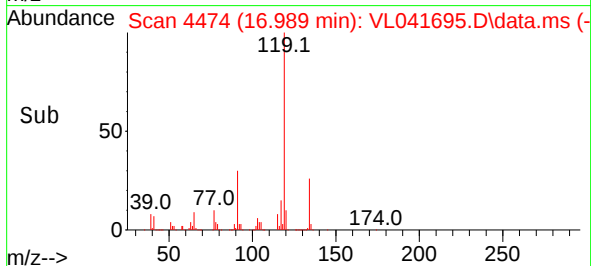
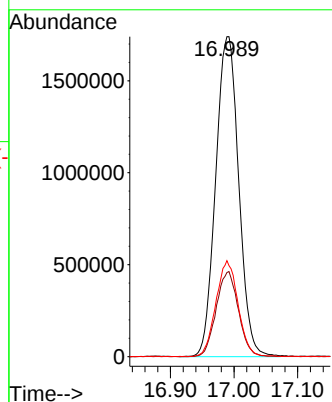
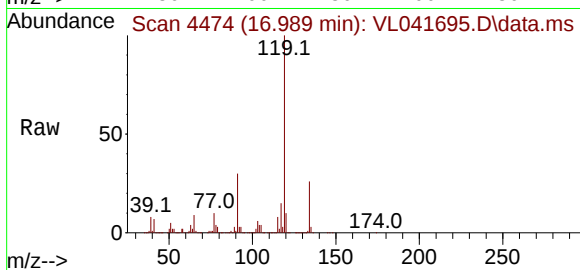
Tgt Ion:119 Resp: 4374045

Ion Ratio Lower Upper

119 100

134 25.8 20.8 31.2

91 28.8 23.2 34.8



#70

n-Butylbenzene

Concen: 8.549 ppbv

RT: 17.879 min Scan# 4751

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

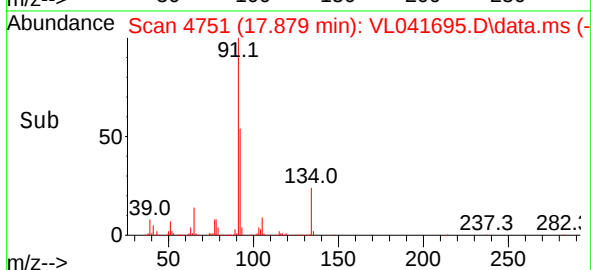
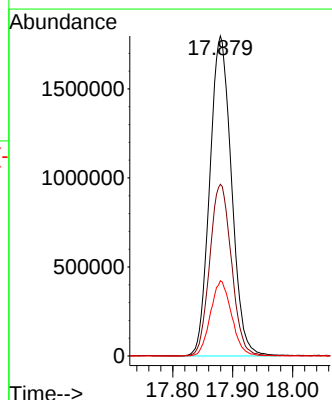
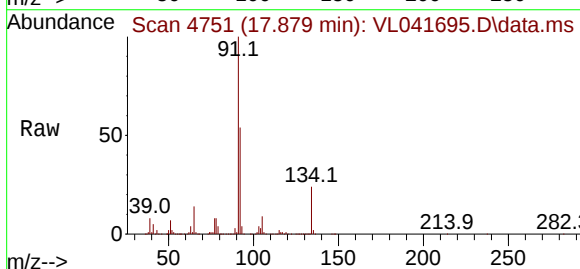
Tgt Ion: 91 Resp: 4522936

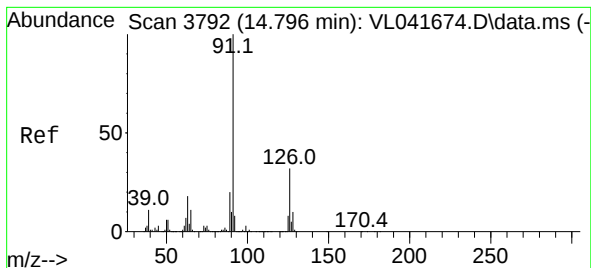
Ion Ratio Lower Upper

91 100

92 53.8 43.3 64.9

134 22.9 18.4 27.6

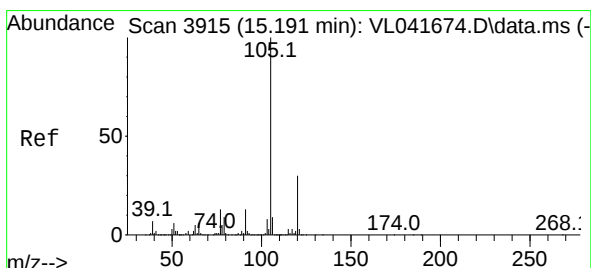
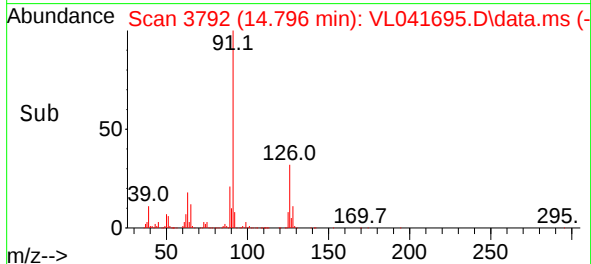
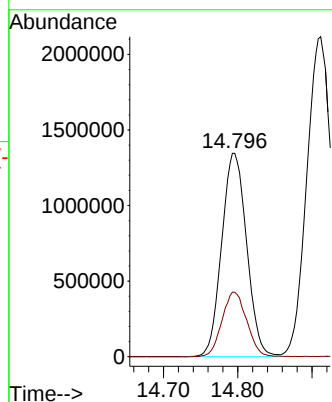
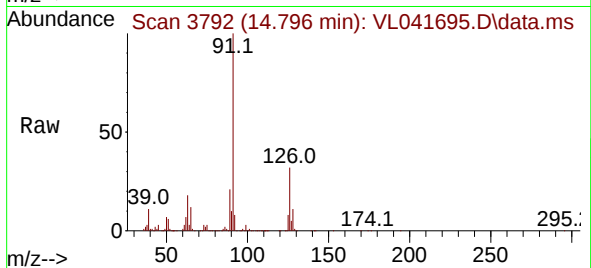




#71
2-Chlorotoluene
Concen: 8.615 ppbv
RT: 14.796 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

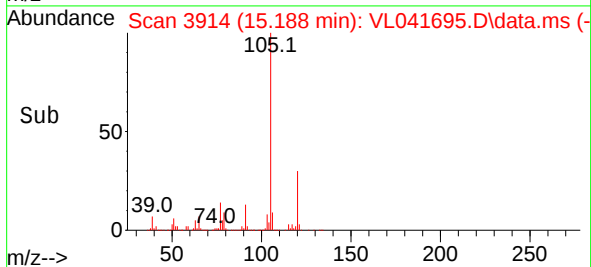
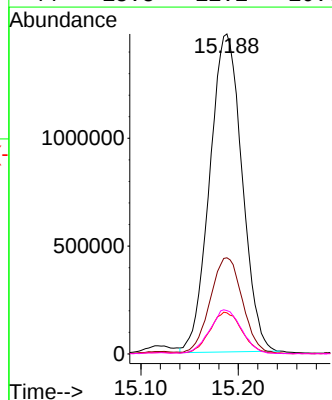
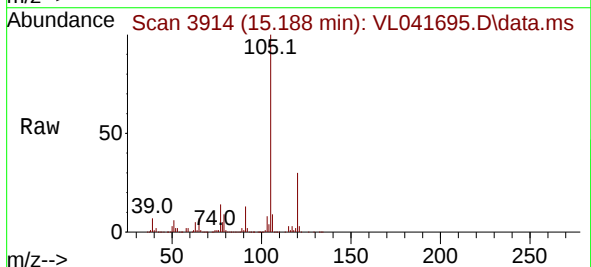
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

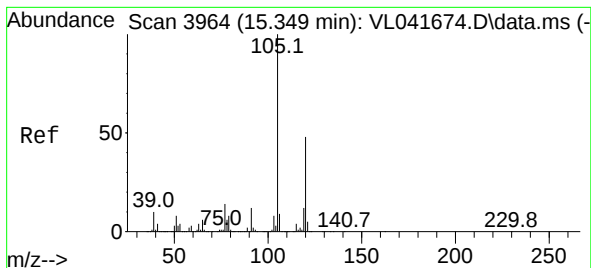
Tgt Ion: 91 Resp: 3143905
Ion Ratio Lower Upper
91 100
126 31.6 12.8 51.0



#72
4-Ethyltoluene
Concen: 8.957 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041695.D
Acq: 8 Nov 2024 2:18

Tgt Ion:105 Resp: 3404290
Ion Ratio Lower Upper
105 100
120 31.2 25.0 37.4
91 13.1 10.6 15.8
77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.812 ppbv

RT: 15.346 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

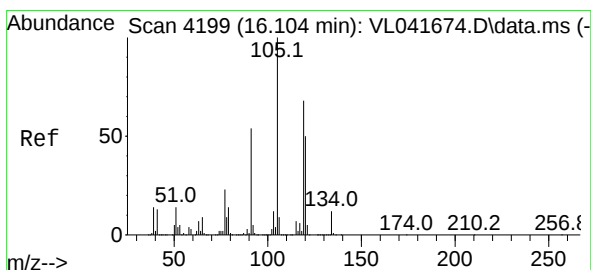
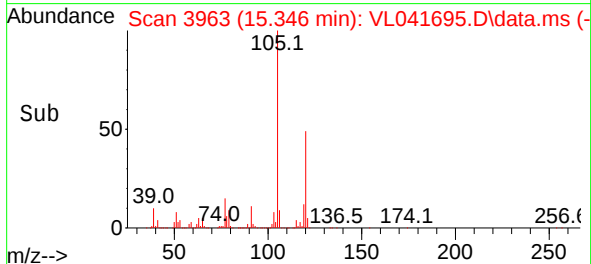
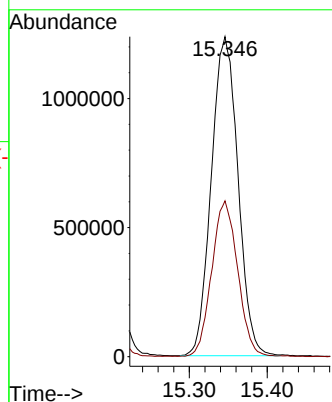
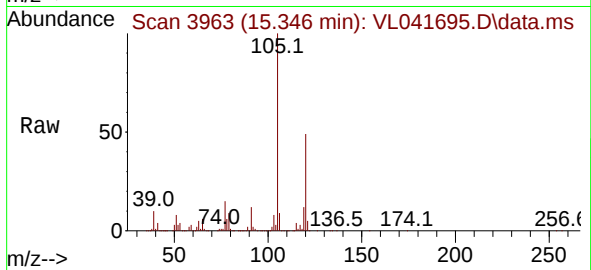
VSTDCCC010EC

Tgt Ion:105 Resp: 2938945

Ion Ratio Lower Upper

105 100

120 48.7 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 8.441 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Tgt Ion:105 Resp: 3269887

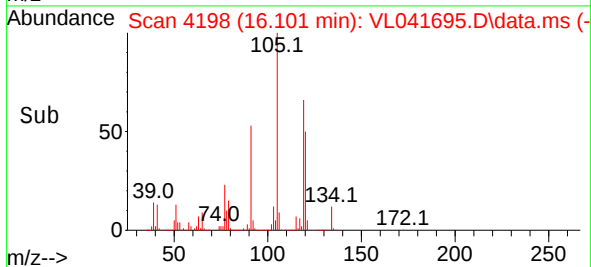
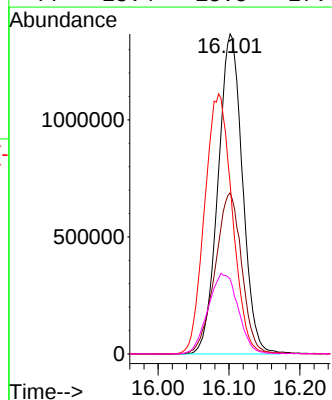
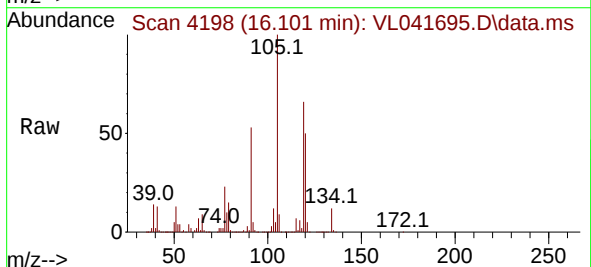
Ion Ratio Lower Upper

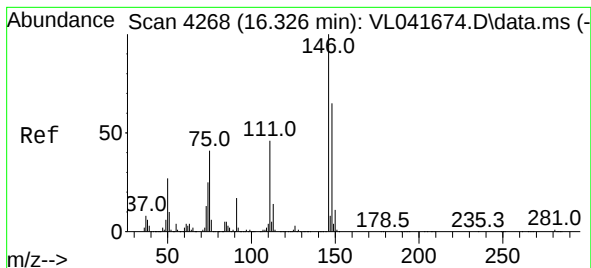
105 100

120 50.2 39.8 59.8

91 52.9 43.2 64.8

77 23.4 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 8.437 ppbv

RT: 16.326 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

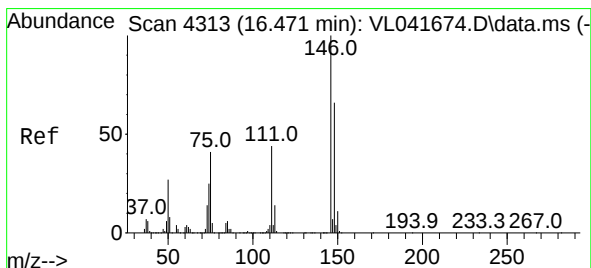
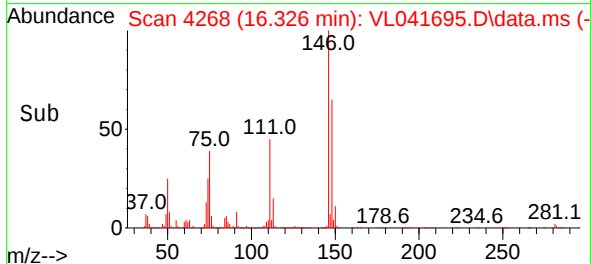
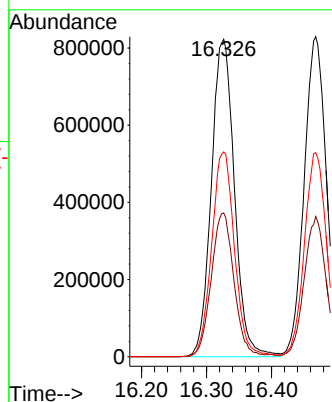
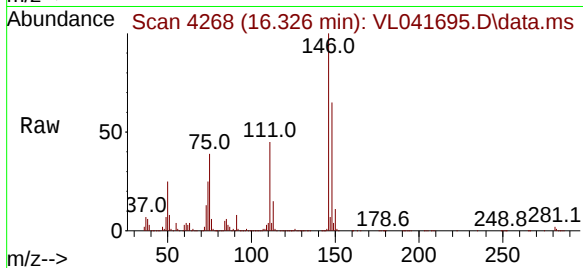
Tgt Ion:146 Resp: 2024223

Ion Ratio Lower Upper

146 100

111 44.8 22.8 68.3

148 64.1 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 8.401 ppbv

RT: 16.468 min Scan# 4312

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

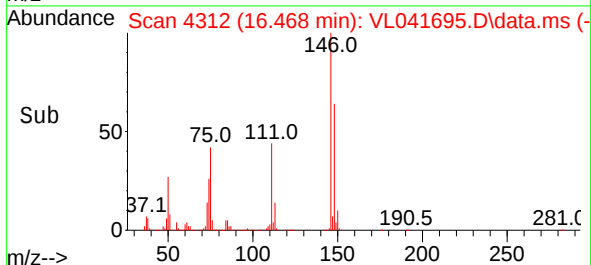
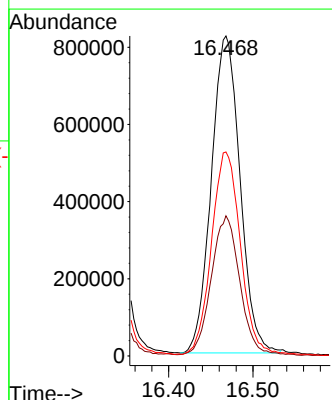
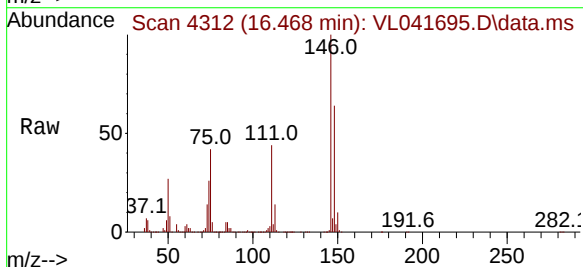
Tgt Ion:146 Resp: 1944656

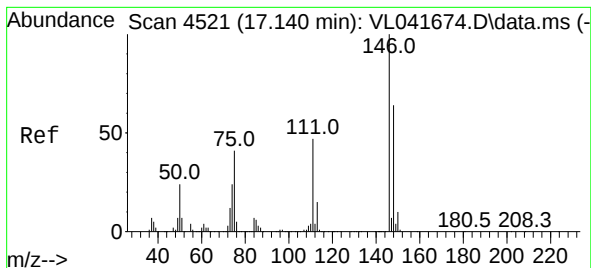
Ion Ratio Lower Upper

146 100

111 45.0 22.1 66.3

148 65.3 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 8.240 ppbv

RT: 17.134 min Scan# 4519

Delta R.T. -0.006 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

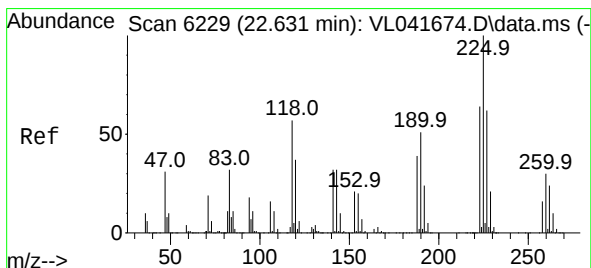
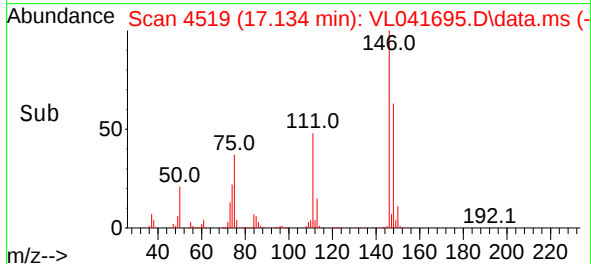
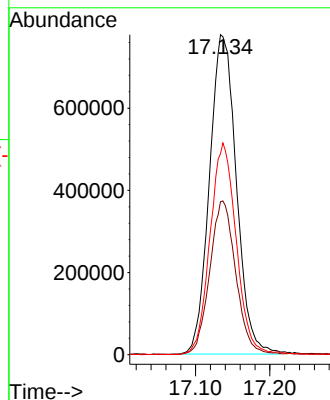
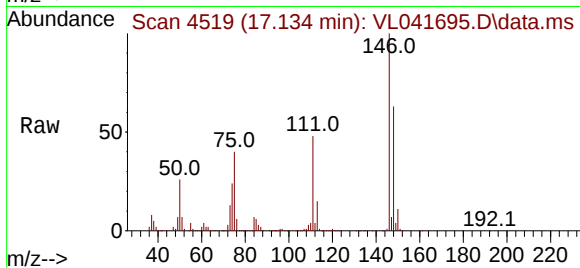
Tgt Ion:146 Resp: 1958590

Ion Ratio Lower Upper

146 100

111 46.6 23.4 70.3

148 64.6 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 7.208 ppbv

RT: 22.625 min Scan# 6227

Delta R.T. -0.006 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

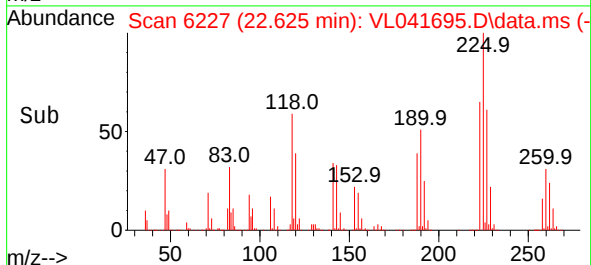
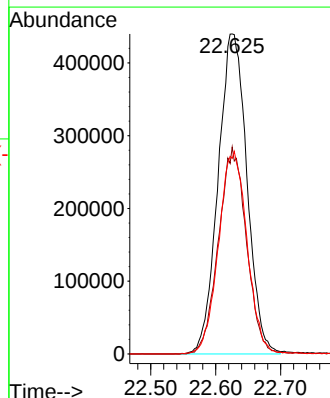
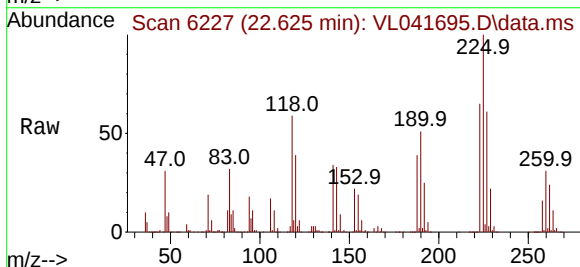
Tgt Ion:225 Resp: 1354982

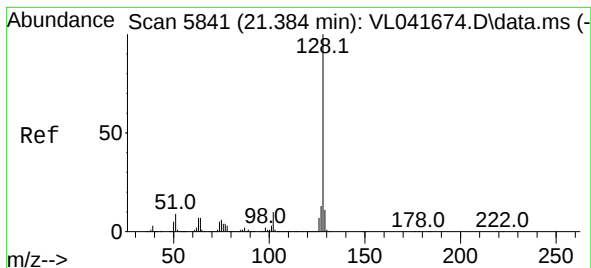
Ion Ratio Lower Upper

225 100

223 62.8 51.1 76.7

227 62.8 51.3 76.9





#79

Naphthalene

Concen: 10.959 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. -0.006 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010EC

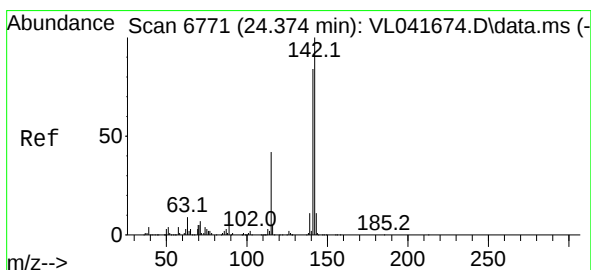
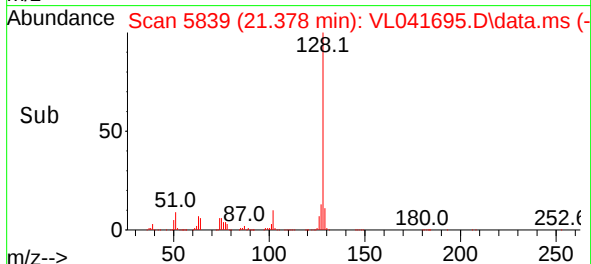
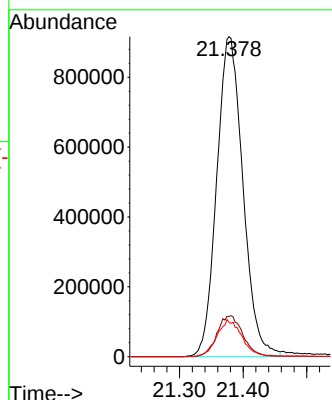
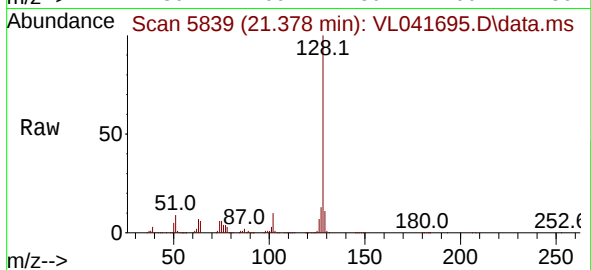
Tgt Ion:128 Resp: 2620569

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 10.8 8.7 13.1



#80

Naphthalene, 2-methyl-

Concen: 22.172 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

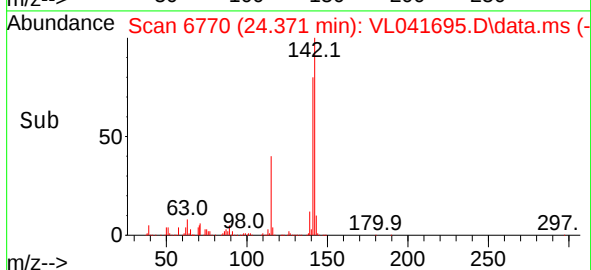
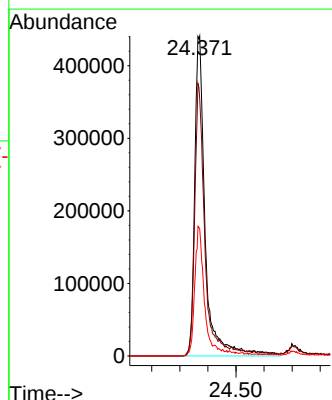
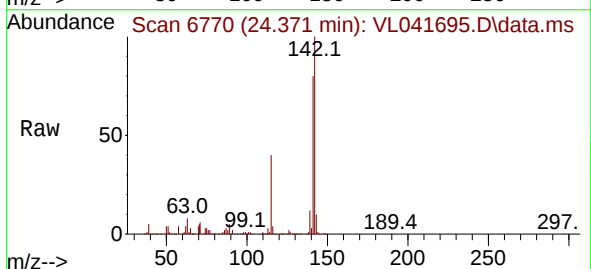
Tgt Ion:142 Resp: 1155769

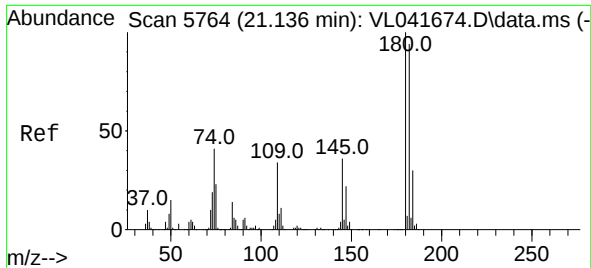
Ion Ratio Lower Upper

142 100

141 82.6 68.1 102.1

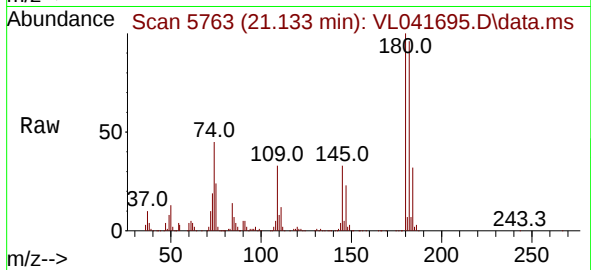
115 39.2 33.1 49.7





#81
 1,2,4-Trichlorobenzene
 Concen: 8.968 ppbv
 RT: 21.133 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL041695.D
 Acq: 8 Nov 2024 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion:180 Resp: 1348543
 Ion Ratio Lower Upper
 180 100
 182 97.6 78.2 117.2
 184 30.9 25.0 37.4

