

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041716.D
 Acq On : 21 Nov 2024 15:46
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Nov 22 01:08:50 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 22 01:00:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.230	49	1057651	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.693	114	2933077	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.503	117	2794086	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.812	95	2044697	9.932	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.767	85	1292249	6.760	ppbv	99
3) Chlorodifluoromethane	2.713	51	1279274	9.283	ppbv	99
4) Chloromethane	2.851	50	703210	9.634	ppbv	98
5) Vinyl Chloride	2.957	62	676535	10.303	ppbv	99
6) Bromomethane	3.160	94	287896	8.265	ppbv	99
7) Chloroethane	3.237	64	242562	10.122	ppbv	98
8) Dichlorotetrafluoroethane	2.896	85	1655808	9.703	ppbv	97
9) Propene	2.732	41	568529	9.468	ppbv	100
10) Heptane	7.616	43	1451664	10.789	ppbv	100
11) Trichlorofluoromethane	3.600	101	1598576	9.600	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.105	101	1200967	9.923	ppbv	99
13) Ethanol	3.285	45	7916	2.153	ppbv #	1
14) Bromoethene	3.404	108	471023	9.681	ppbv	98
15) Acetone	3.507	43	1221603	9.385	ppbv	99
16) 1,3-Butadiene	3.021	39	670260	10.205	ppbv	99
17) tert-Butyl alcohol	3.915	59	1130521	9.897	ppbv	99
18) 1,1-Dichloroethene	3.918	96	528024	9.948	ppbv	91
19) Isopropyl Alcohol	3.613	45	630750	10.138	ppbv #	98
20) Methylene Chloride	3.970	84	438753	9.160	ppbv	97
21) Allyl Chloride	4.034	41	815920	10.144	ppbv	98
22) trans-1,2-Dichloroethene	4.484	96	535620	10.148	ppbv	98
23) Vinyl Acetate	4.664	43	726042	12.653	ppbv #	97
24) 1,1-Dichloroethane	4.600	63	1154395	9.799	ppbv	99
25) Ethyl Acetate	5.240	43	2588640	9.608	ppbv	99
26) Hexane	5.253	57	1044800	10.093	ppbv	97
27) Carbon Disulfide	4.163	76	1279183	10.999	ppbv	100
28) Methyl tert-Butyl Ether	4.623	73	626938	9.405	ppbv	100
29) Chloroform	5.314	83	1667143	9.757	ppbv	99
30) Cyclohexane	6.642	84	893628	10.138	ppbv	98
31) cis-1,2-Dichloroethene	5.118	61	995302	9.995	ppbv	99
32) 1,1,1-Trichloroethane	6.041	97	1637105	10.502	ppbv	100
34) 2-Butanone	4.822	43	1326267	9.081	ppbv	98
35) Carbon Tetrachloride	6.533	117	1696639	10.964	ppbv	99
36) Benzene	6.410	78	2247959	10.344	ppbv	99
37) 1,2-Dichloroethane	5.848	62	1267601	10.339	ppbv	100
38) Trichloroethene	7.330	130	1285707	15.404	ppbv	98
39) 1,2-Dichloropropane	7.111	63	860843	10.024	ppbv	97
40) 1,4-Dioxane	7.327	88	362339	11.759	ppbv	87
41) Tetrahydrofuran	5.594	42	889296	10.662	ppbv	99
42) Bromodichloromethane	7.288	83	1794888	10.535	ppbv	99
43) Methyl Methacrylate	7.510	69	861885	11.295	ppbv	97
44) 2,2,4-Trimethylpentane	7.365	57	3803122	10.331	ppbv	100
45) t-1,3-Dichloropropene	8.748	75	730997	10.484	ppbv	96

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Instrument :
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 VSTDCCC010EC

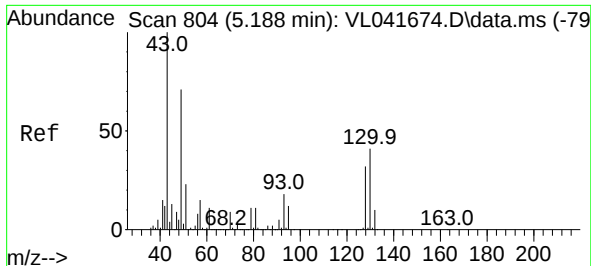
Quant Time: Nov 22 01:08:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.179	75	1076550	10.750	ppbv	100
47) 1,1,2-Trichloroethane	8.938	97	940621	10.120	ppbv	98
48) Dibromochloromethane	9.748	129	1537701	10.883	ppbv	100
49) Bromoform	12.445	173	1348848	11.157	ppbv	99
50) 4-Methyl-2-Pentanone	8.217	43	2487875	11.096	ppbv	99
51) 2-Hexanone	9.587	43	1928715	11.813	ppbv	99
52) Tetrachloroethene	10.655	164	822968	11.112	ppbv	98
53) Toluene	9.259	91	2575431	11.269	ppbv	100
54) 1,2-Dibromoethane	10.050	107	1226683	11.296	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.545	131	1153543	10.010	ppbv	99
57) Chlorobenzene	11.564	112	2056508	9.952	ppbv	99
58) Ethyl Benzene	12.127	91	3526421	11.512	ppbv	98
59) m/p-Xylene	12.410	91	3568288	13.008	ppbv #	52
60) o-Xylene	13.095	91	2939812	11.239	ppbv	100
61) Styrene	12.934	104	1390368	12.879	ppbv	99
62) Isopropylbenzene	14.066	105	4212885	10.429	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.085	83	1192554	6.198	ppbv	100
64) n-propylbenzene	14.950	120	1137229	10.754	ppbv	97
65) tert-Butylbenzene	16.127	119	3802509	10.473	ppbv	100
66) Benzyl Chloride	16.365	91	183525	6.571	ppbv	96
67) sec-Butylbenzene	16.674	105	5361203	10.476	ppbv	100
69) p-Isopropyltoluene	17.031	119	4453669	10.765	ppbv	100
70) n-Butylbenzene	17.921	91	4594843	10.855	ppbv	100
71) 2-Chlorotoluene	14.834	91	3205329	10.977	ppbv	100
72) 4-Ethyltoluene	15.230	105	3485346	11.461	ppbv	99
73) 1,3,5-Trimethylbenzene	15.387	105	2994754	11.222	ppbv	100
74) 1,2,4-Trimethylbenzene	16.143	105	3339224	10.773	ppbv	99
75) 1,3-Dichlorobenzene	16.365	146	2043094	10.643	ppbv	100
76) 1,4-Dichlorobenzene	16.510	146	1992823	10.759	ppbv	99
77) 1,2-Dichlorobenzene	17.178	146	2007849	10.558	ppbv	100
78) Hexachloro-1,3-Butadiene	22.673	225	1396945	9.288	ppbv	100
79) Naphthalene	21.423	128	2826909	14.775	ppbv	99
80) Naphthalene,2-methyl-	24.403	142	1349060	32.345	ppbv	99
81) 1,2,4-Trichlorobenzene	21.178	180	1464975	12.175	ppbv	100

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

Quant Time: Nov 22 01:08:50 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 22 01:00:55 2024
Response via : Initial Calibration

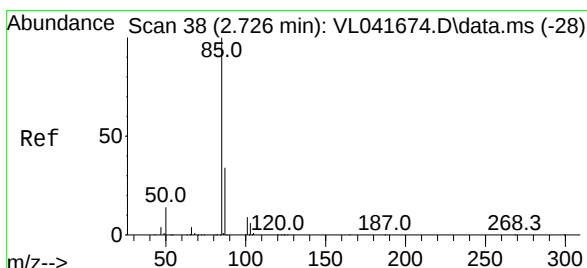
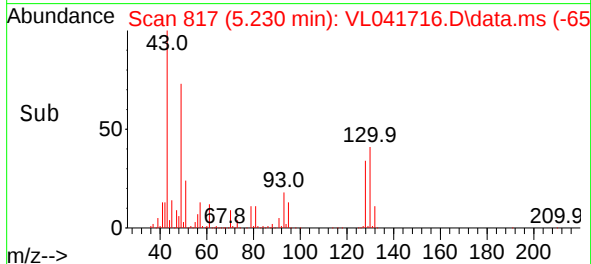
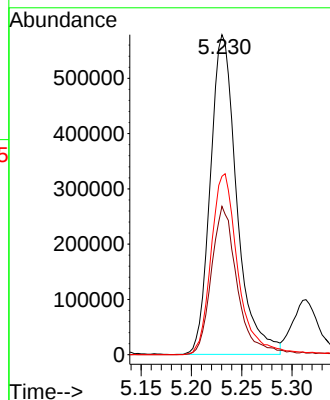
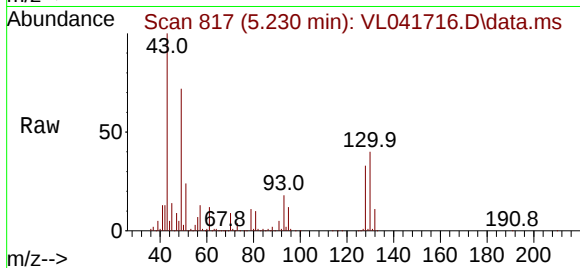




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

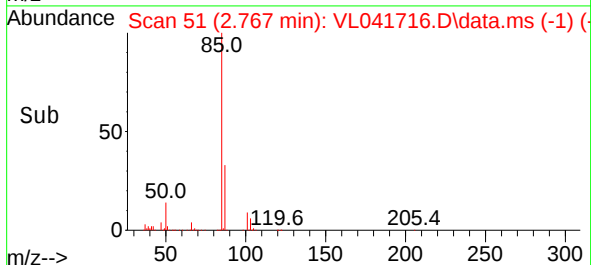
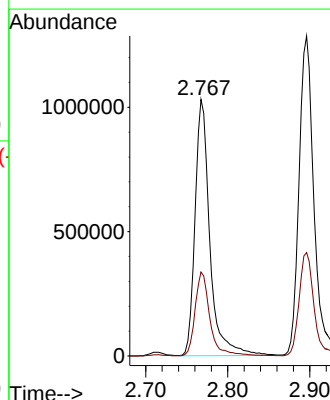
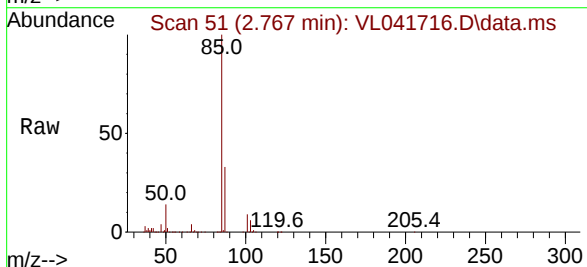
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

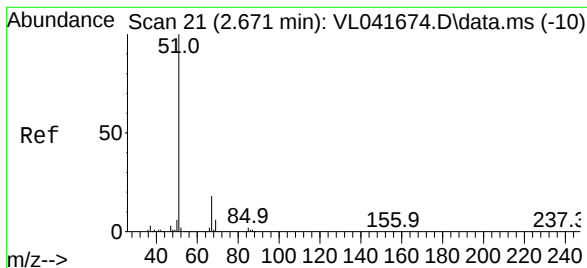
Tgt Ion: 49 Resp: 1057651
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.2
130 58.7 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 6.760 ppbv
RT: 2.767 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 85 Resp: 1292249
Ion Ratio Lower Upper
85 100
87 32.8 26.8 40.2





#3

Chlorodifluoromethane

Concen: 9.283 ppbv

RT: 2.713 min Scan# 34

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

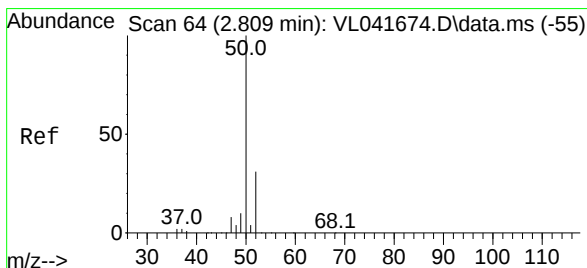
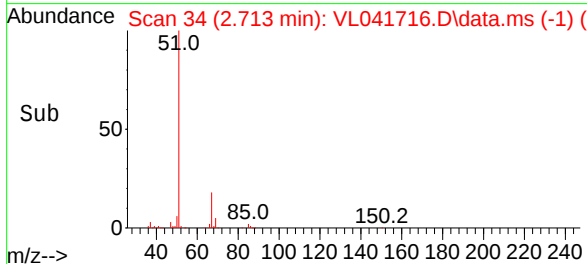
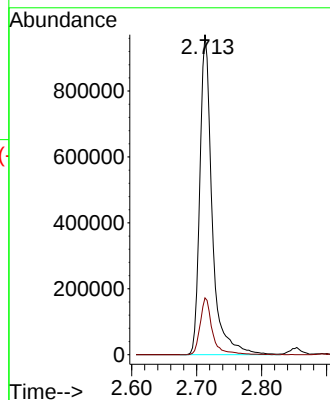
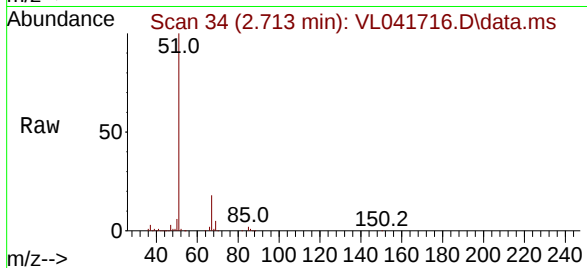
VSTDCCC010EC

Tgt Ion: 51 Resp: 1279274

Ion Ratio Lower Upper

51 100

67 17.8 13.9 20.9



#4

Chloromethane

Concen: 9.634 ppbv

RT: 2.851 min Scan# 77

Delta R.T. 0.010 min

Lab File: VL041716.D

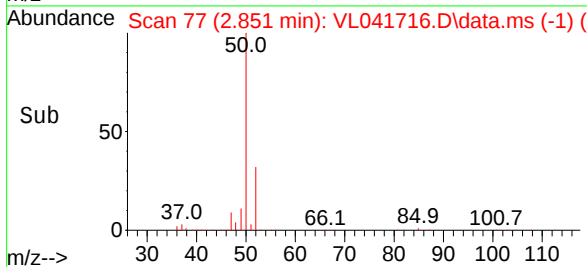
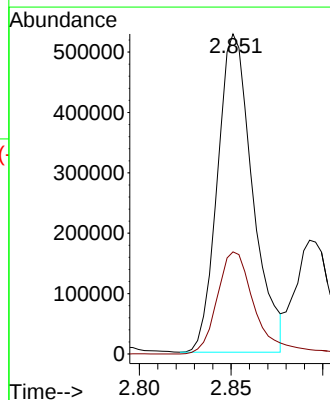
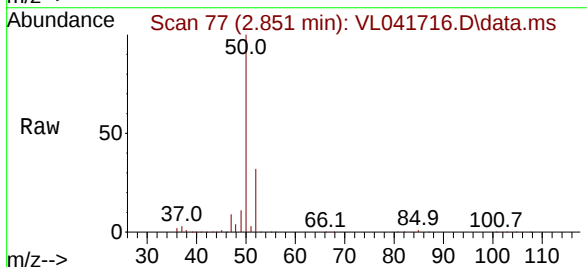
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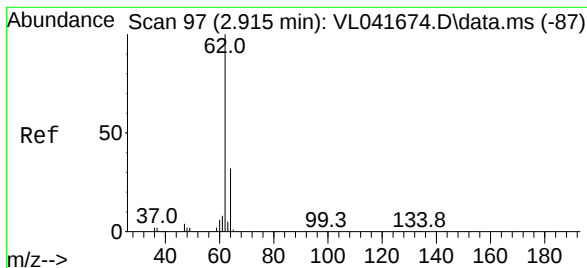
Tgt Ion: 50 Resp: 703210

Ion Ratio Lower Upper

50 100

52 32.1 24.9 37.3

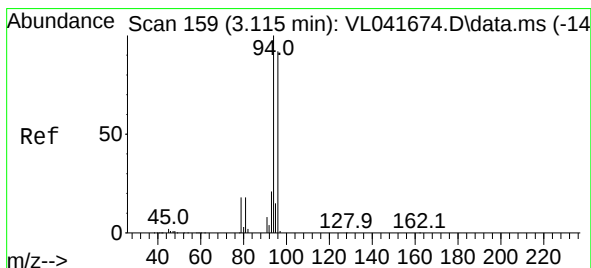
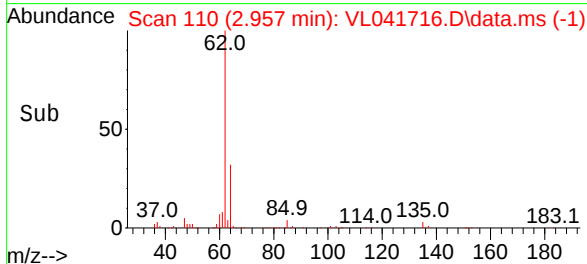
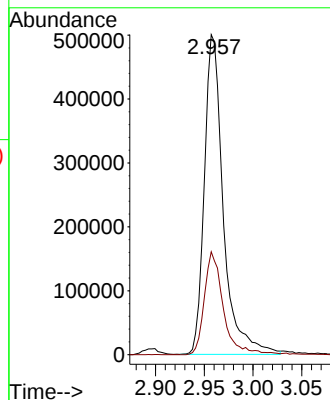
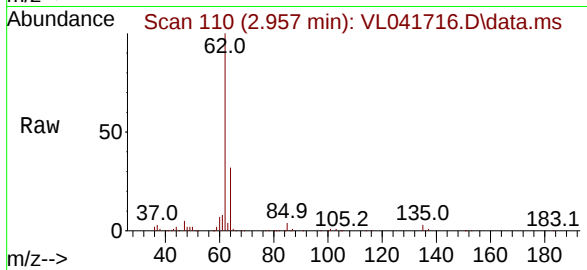




#5
 Vinyl Chloride
 Concen: 10.303 ppbv
 RT: 2.957 min Scan# 110
 Delta R.T. 0.010 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

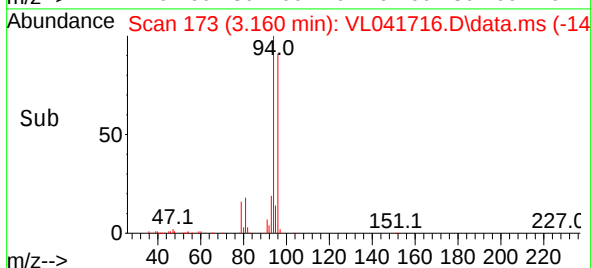
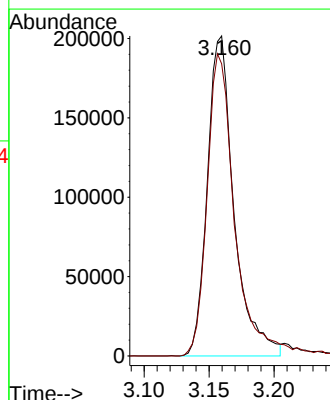
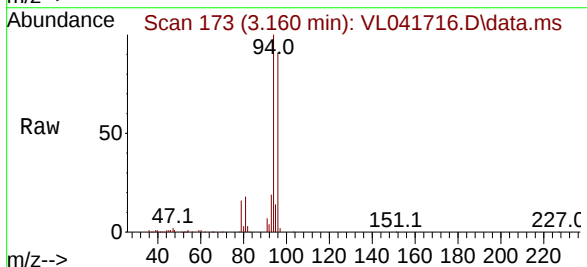
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

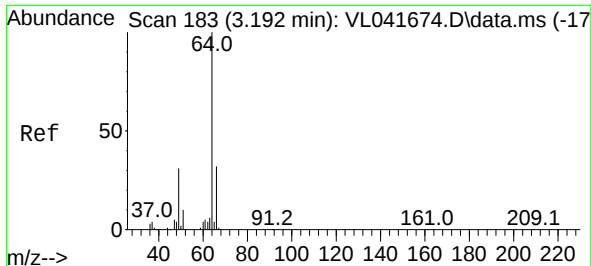
Tgt Ion: 62 Resp: 676535
 Ion Ratio Lower Upper
 62 100
 64 32.2 25.4 38.2



#6
 Bromomethane
 Concen: 8.265 ppbv
 RT: 3.160 min Scan# 173
 Delta R.T. 0.013 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

Tgt Ion: 94 Resp: 287896
 Ion Ratio Lower Upper
 94 100
 96 91.3 73.4 110.2

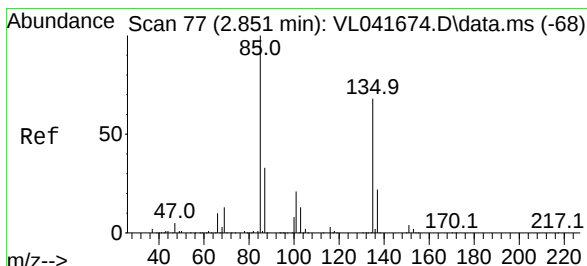
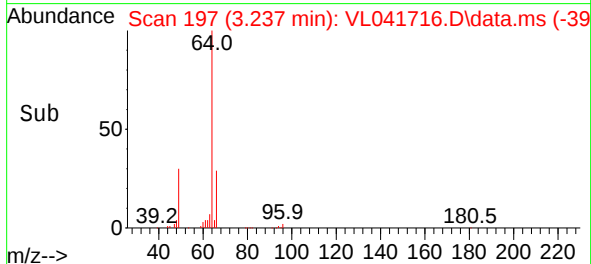
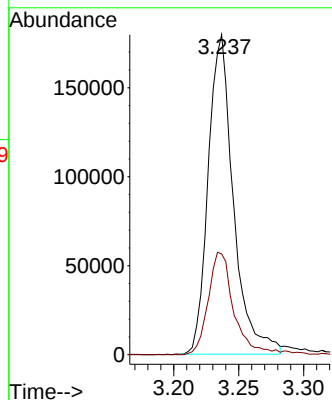
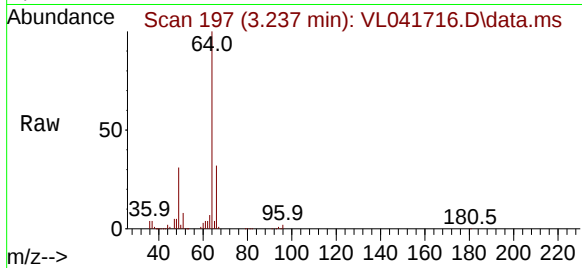




#7
Chloroethane
Concen: 10.122 ppbv
RT: 3.237 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

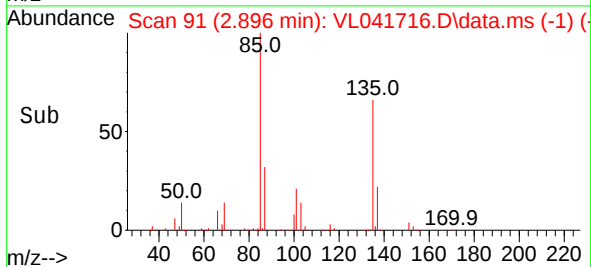
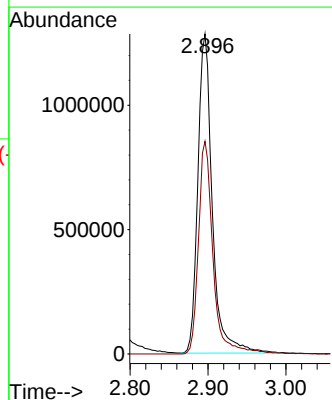
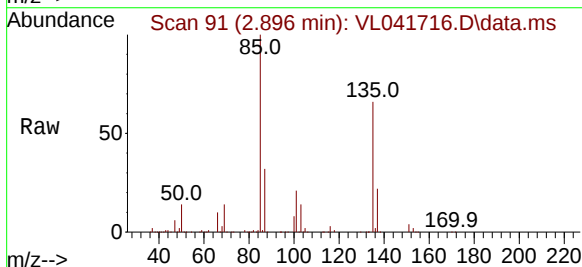
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ClientSampleId :
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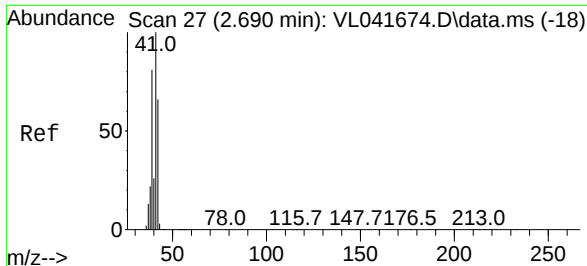
Tgt Ion: 64 Resp: 242562
Ion Ratio Lower Upper
64 100
66 31.5 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 9.703 ppbv
RT: 2.896 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 85 Resp: 1655808
Ion Ratio Lower Upper
85 100
135 67.3 55.5 83.3

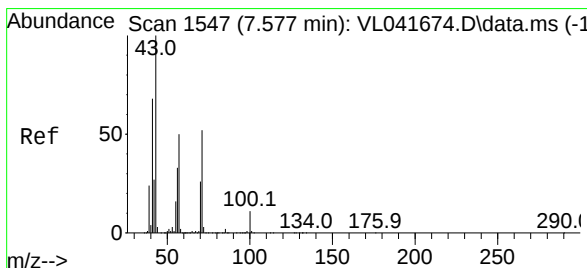
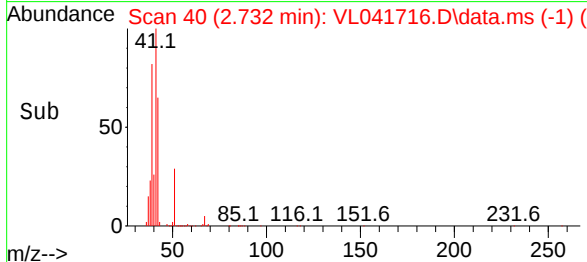
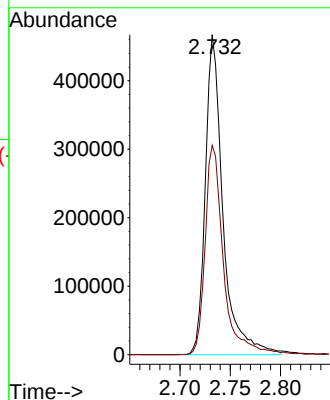
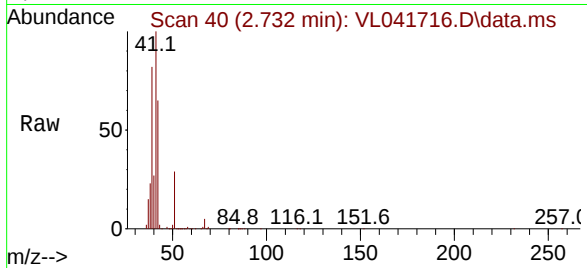




#9
Propene
Concen: 9.468 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

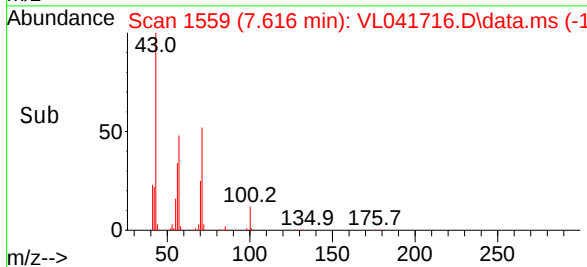
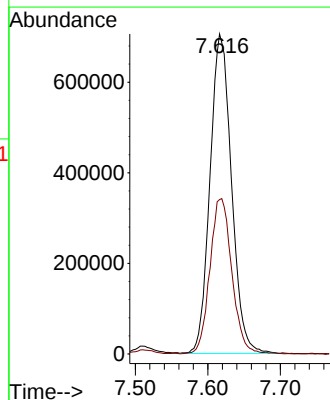
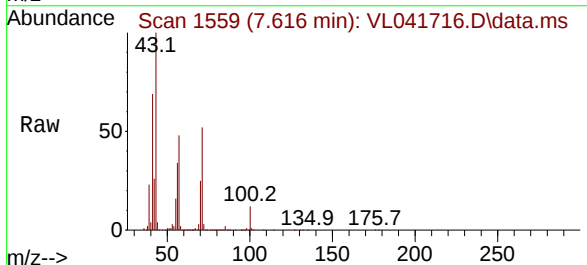
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

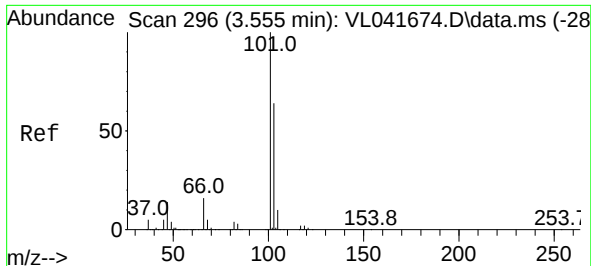
Tgt Ion: 41 Resp: 568529
Ion Ratio Lower Upper
41 100
42 68.8 55.0 82.4



#10
Heptane
Concen: 10.789 ppbv
RT: 7.616 min Scan# 1559
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 43 Resp: 1451664
Ion Ratio Lower Upper
43 100
57 50.0 40.0 60.0





#11

Trichlorofluoromethane

Concen: 9.600 ppbv

RT: 3.600 min Scan# 310

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

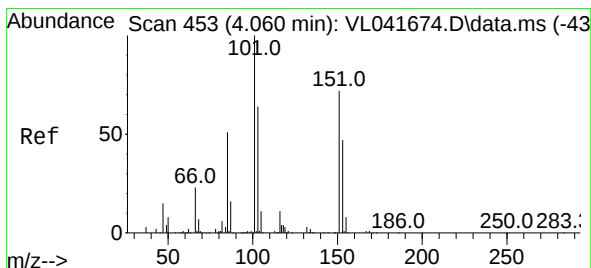
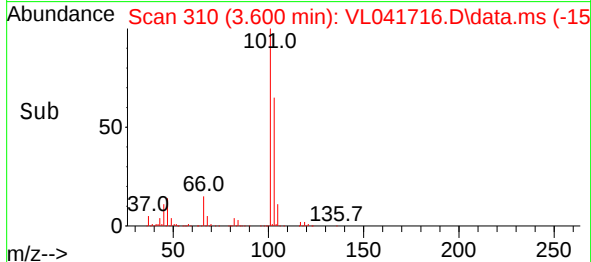
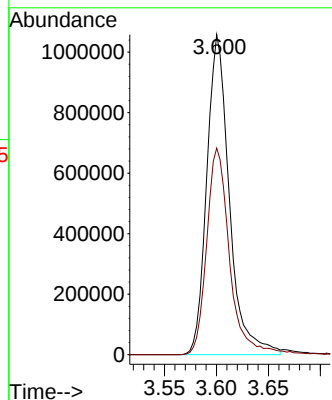
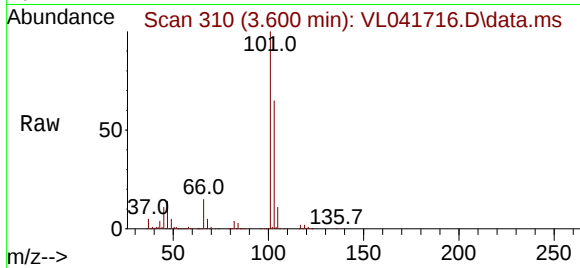
VSTDCCC010EC

Tgt Ion:101 Resp: 1598576

Ion Ratio Lower Upper

101 100

103 64.6 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.923 ppbv

RT: 4.105 min Scan# 467

Delta R.T. 0.010 min

Lab File: VL041716.D

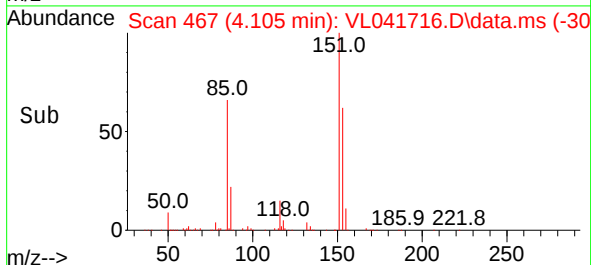
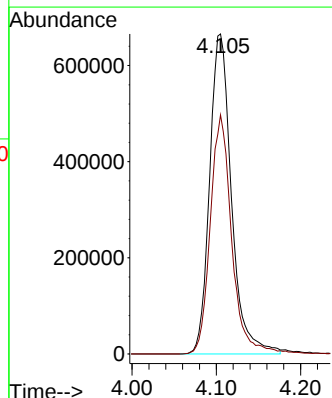
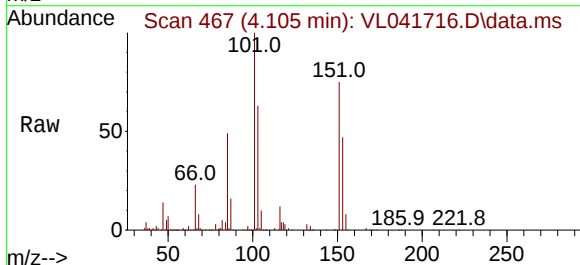
Acq: 21 Nov 2024 15:46

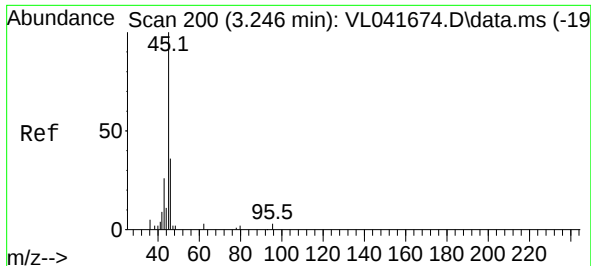
Tgt Ion:101 Resp: 1200967

Ion Ratio Lower Upper

101 100

151 73.4 59.1 88.7





#13

Ethanol

Concen: 2.153 ppbv

RT: 3.285 min Scan# 212

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

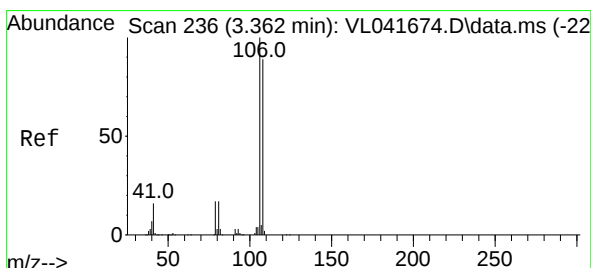
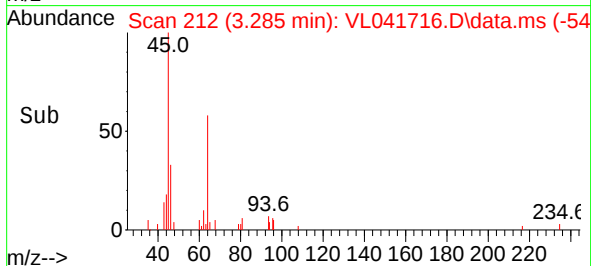
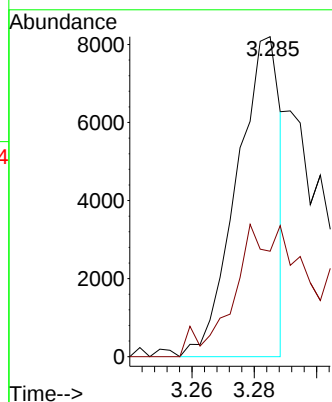
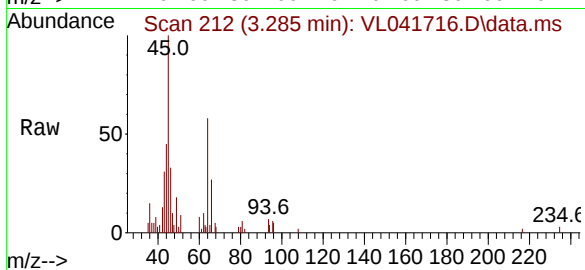
VSTDCCC010EC

Tgt Ion: 45 Resp: 7916

Ion Ratio Lower Upper

45 100

46 92.4 13.8 55.2#



#14

Bromoethene

Concen: 9.681 ppbv

RT: 3.404 min Scan# 249

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

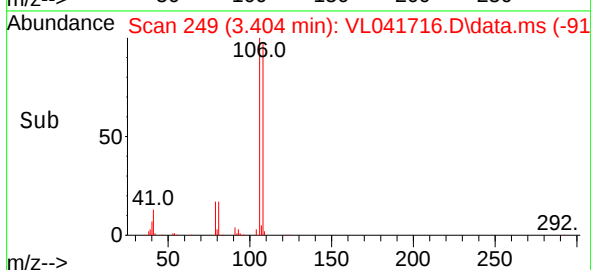
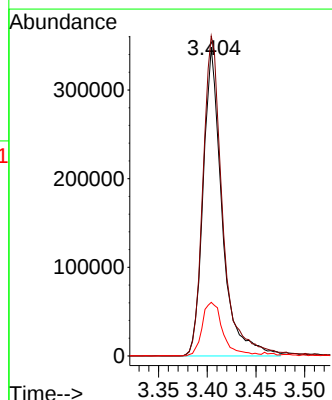
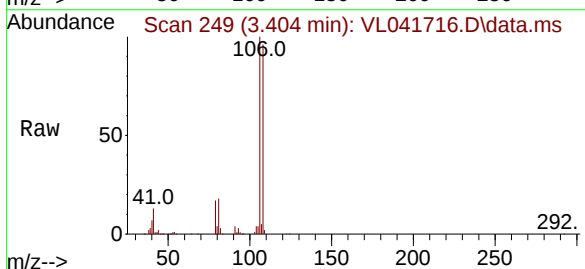
Tgt Ion:108 Resp: 471023

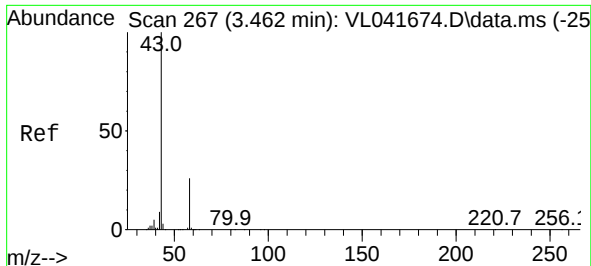
Ion Ratio Lower Upper

108 100

106 108.6 88.6 133.0

79 20.5 15.6 23.4

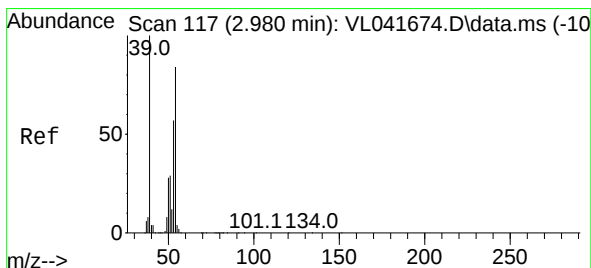
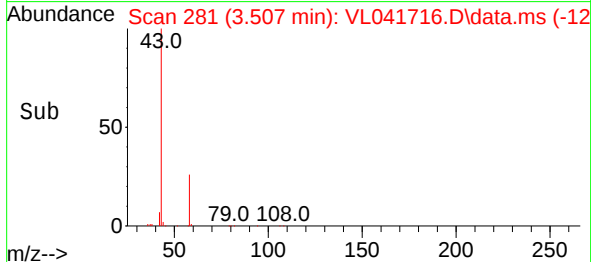
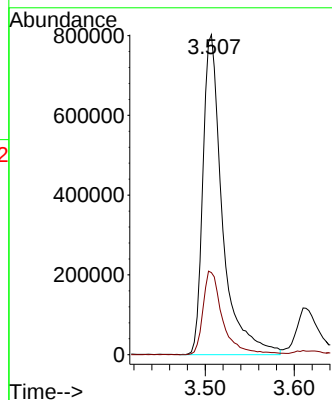
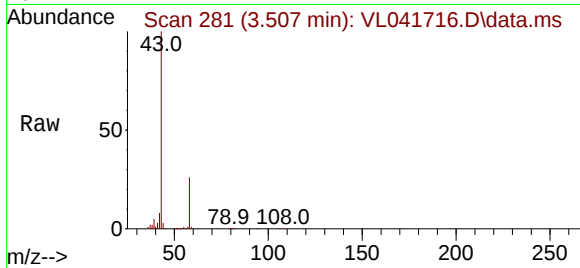




#15
Acetone
Concen: 9.385 ppbv
RT: 3.507 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

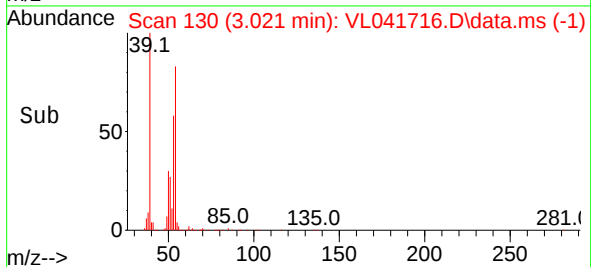
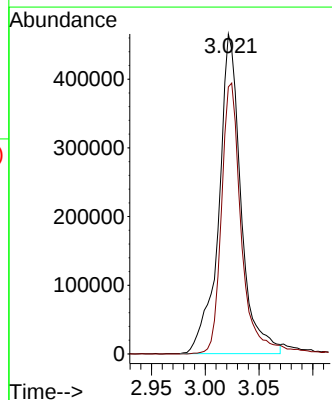
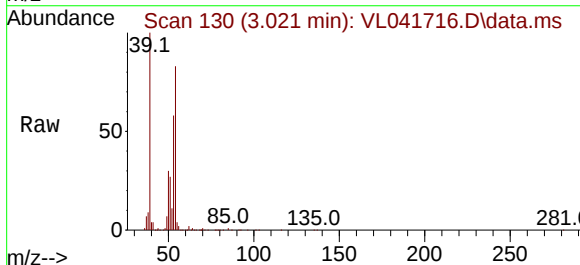
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

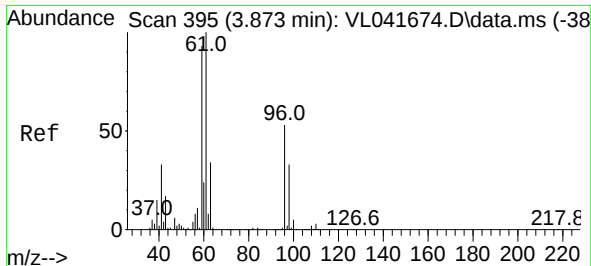
Tgt Ion: 43 Resp: 1221603
Ion Ratio Lower Upper
43 100
58 26.3 21.4 32.0



#16
1,3-Butadiene
Concen: 10.205 ppbv
RT: 3.021 min Scan# 130
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 39 Resp: 670260
Ion Ratio Lower Upper
39 100
54 77.3 61.3 91.9





#17

tert-Butyl alcohol

Concen: 9.897 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

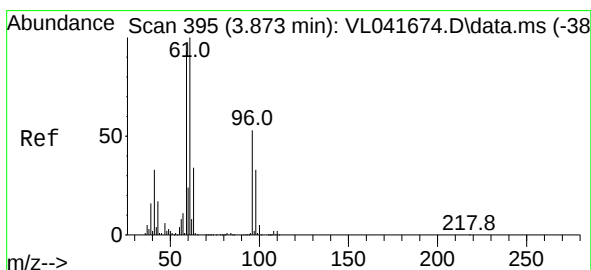
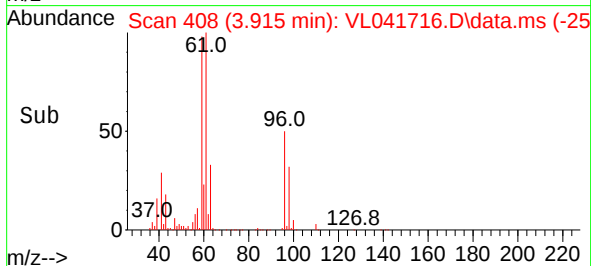
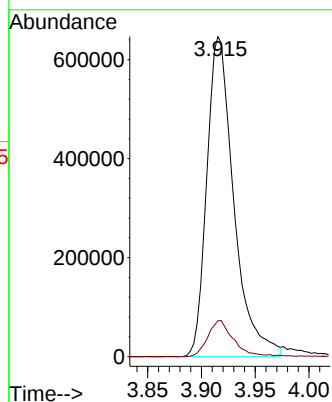
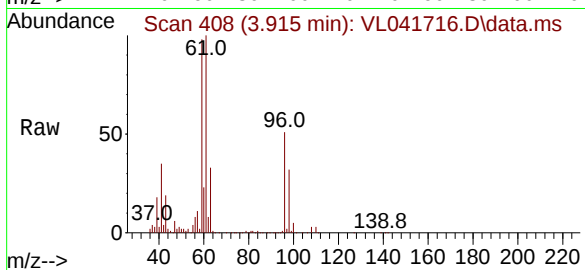
VSTDCCC010EC

Tgt Ion: 59 Resp: 1130521

Ion Ratio Lower Upper

59 100

57 11.1 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.948 ppbv

RT: 3.918 min Scan# 409

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

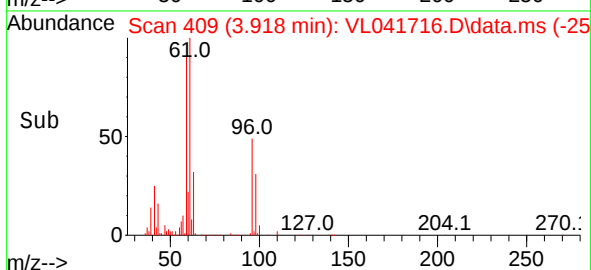
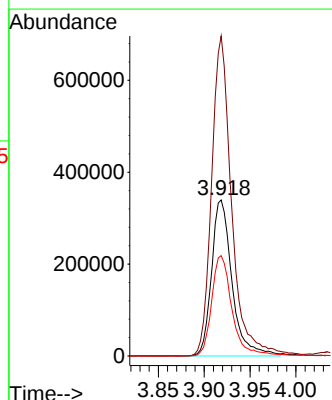
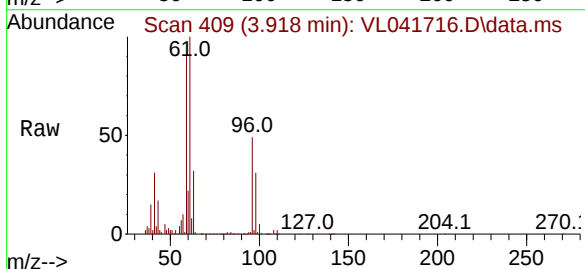
Tgt Ion: 96 Resp: 528024

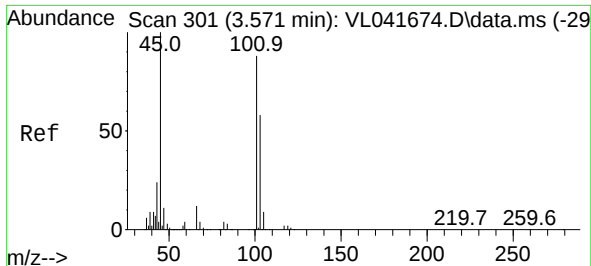
Ion Ratio Lower Upper

96 100

61 205.1 150.7 226.1

98 64.2 49.4 74.2

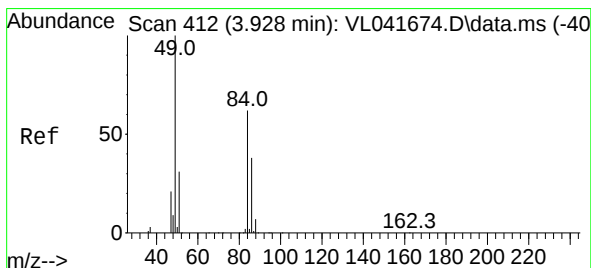
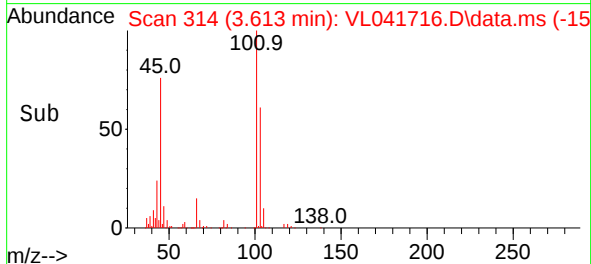
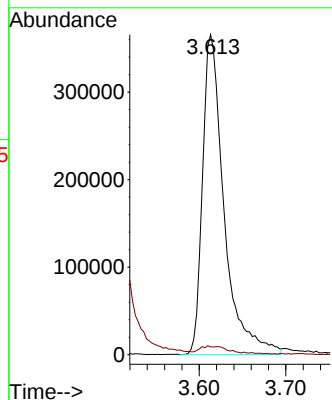
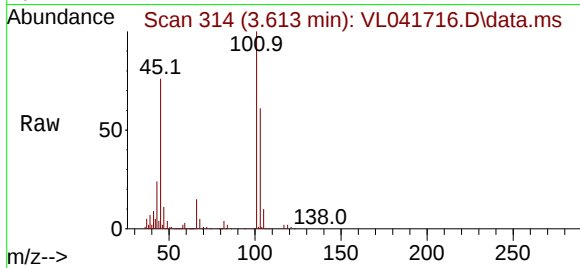




#19
Isopropyl Alcohol
Concen: 10.138 ppbv
RT: 3.613 min Scan# 314
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

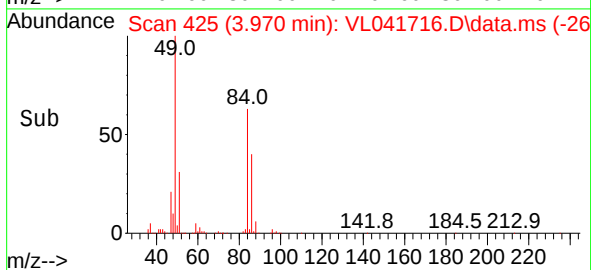
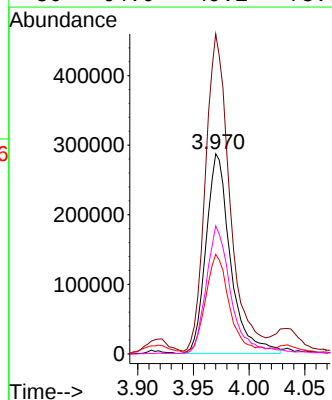
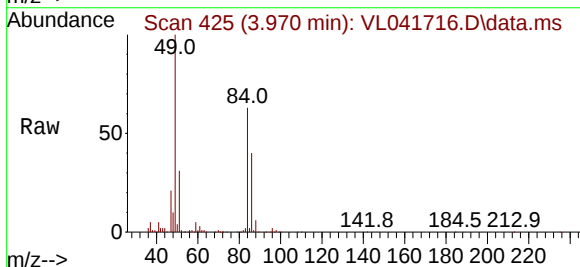
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

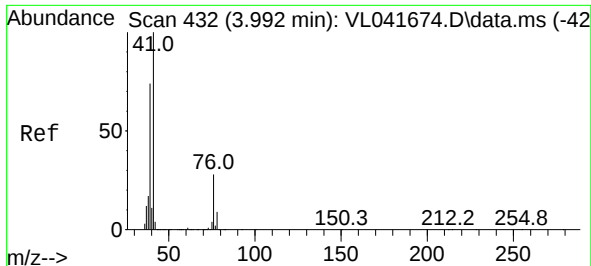
Tgt Ion: 45 Resp: 630750
Ion Ratio Lower Upper
45 100
58 3.8 2.5 3.7#



#20
Methylene Chloride
Concen: 9.160 ppbv
RT: 3.970 min Scan# 425
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 84 Resp: 438753
Ion Ratio Lower Upper
84 100
49 158.6 129.7 194.5
51 48.3 39.8 59.6
86 64.0 49.1 73.7





#21

Allyl Chloride

Concen: 10.144 ppbv

RT: 4.034 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDC0010EC

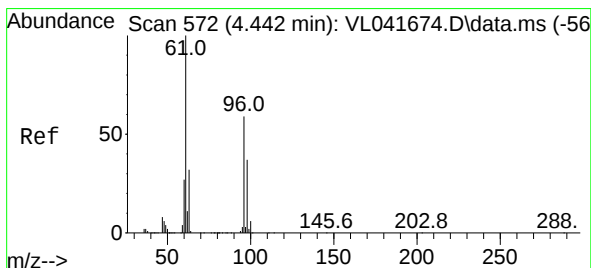
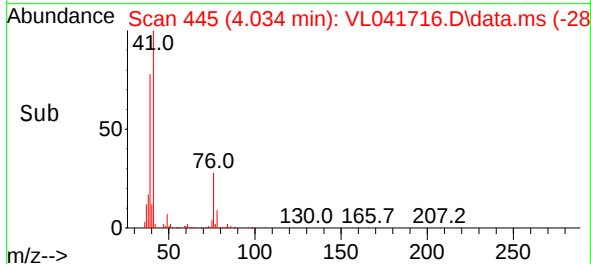
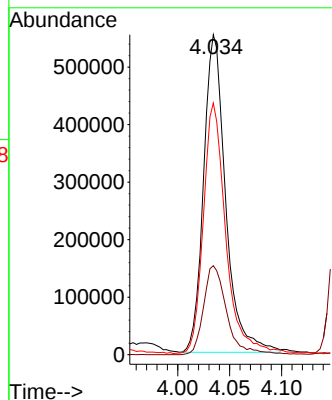
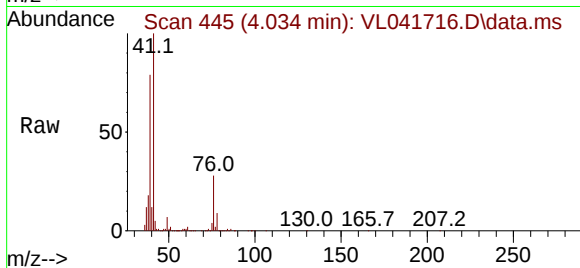
Tgt Ion: 41 Resp: 815920

Ion Ratio Lower Upper

41 100

76 29.3 23.5 35.3

39 80.5 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 10.148 ppbv

RT: 4.484 min Scan# 585

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

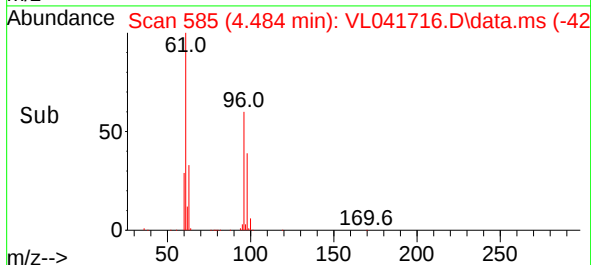
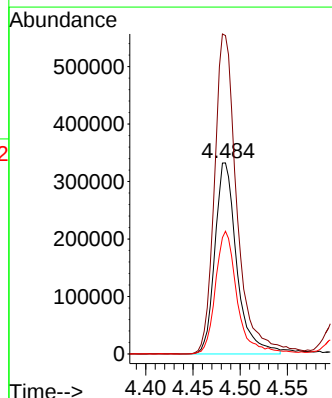
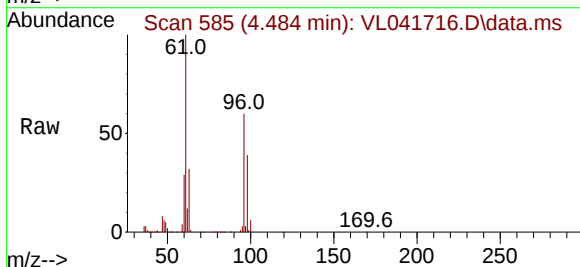
Tgt Ion: 96 Resp: 535620

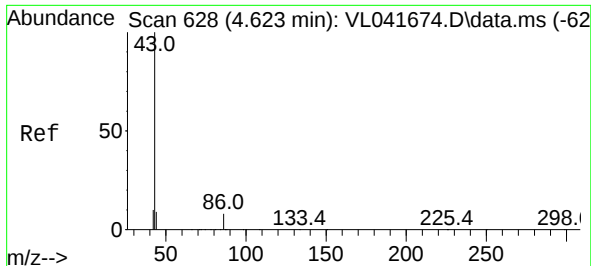
Ion Ratio Lower Upper

96 100

61 166.6 134.5 201.7

98 64.3 49.6 74.4





#23

Vinyl Acetate

Concen: 12.653 ppbv

RT: 4.664 min Scan# 641

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 726042

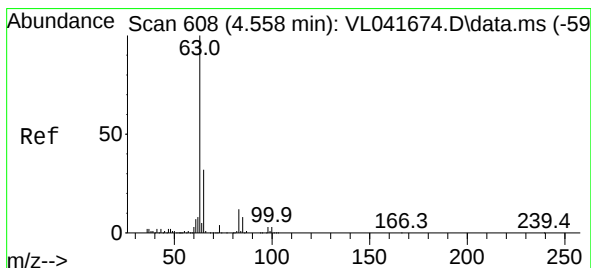
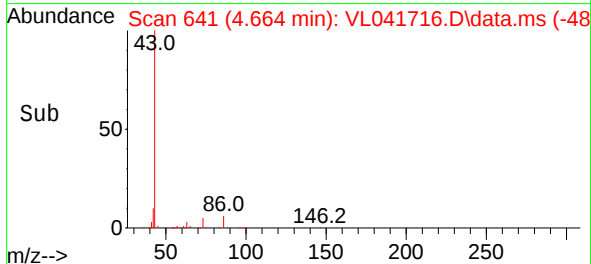
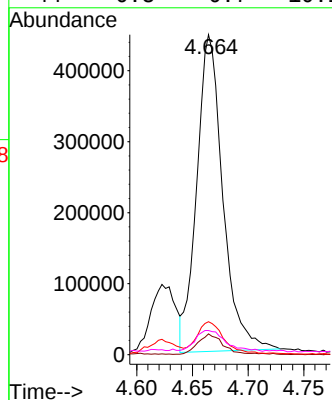
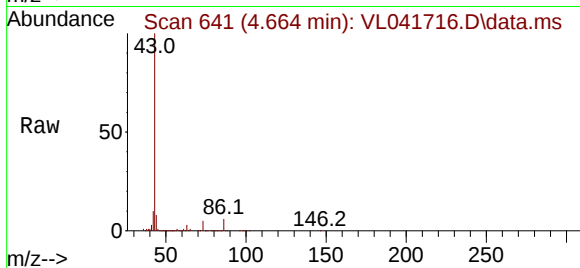
Ion Ratio Lower Upper

43 100

86 6.5 5.3 7.9

42 10.1 8.5 12.7

44 6.3 6.7 10.1#



#24

1,1-Dichloroethane

Concen: 9.799 ppbv

RT: 4.600 min Scan# 621

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

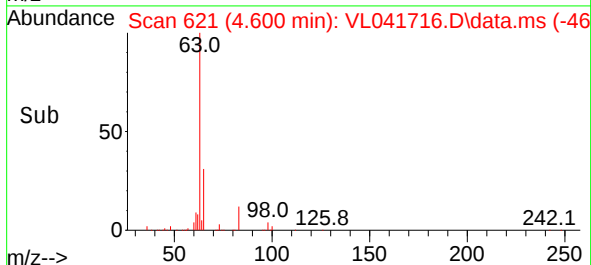
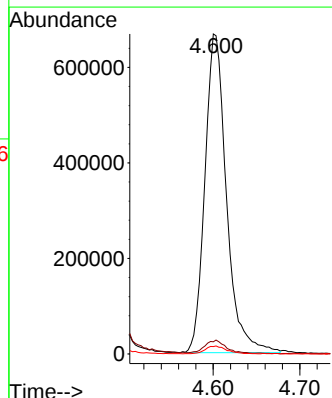
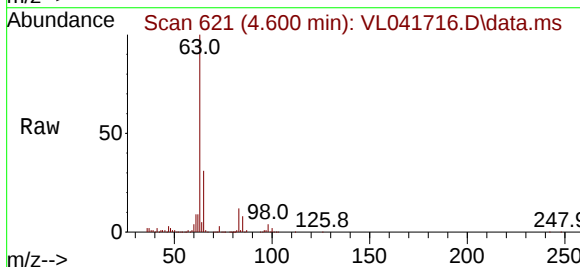
Tgt Ion: 63 Resp: 1154395

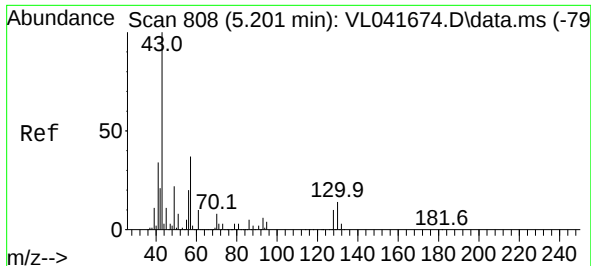
Ion Ratio Lower Upper

63 100

98 3.8 1.8 5.4

100 2.3 1.4 4.2





#25

Ethyl Acetate

Concen: 9.608 ppbv

RT: 5.240 min Scan# 811

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2588640

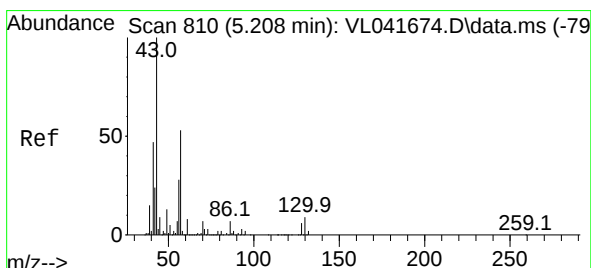
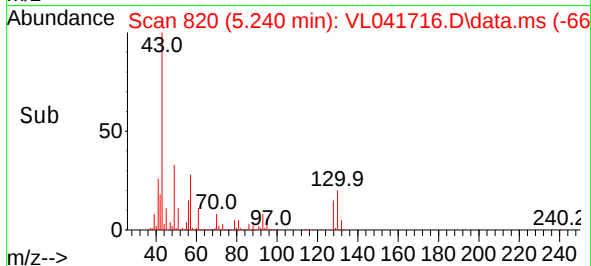
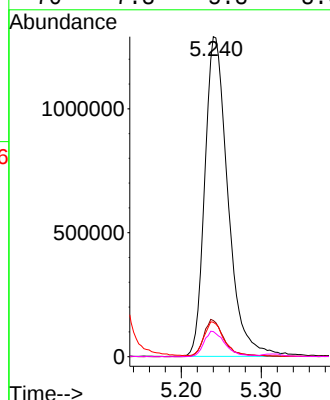
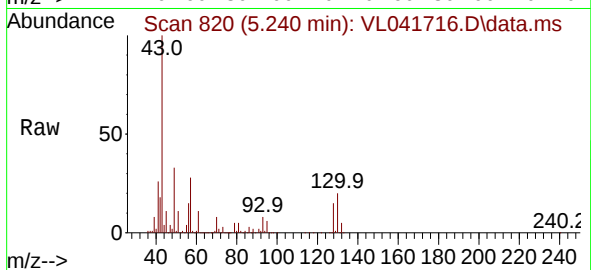
Ion Ratio Lower Upper

43 100

45 10.5 8.6 13.0

61 10.0 8.4 12.6

70 7.3 5.8 8.6



#26

Hexane

Concen: 10.093 ppbv

RT: 5.253 min Scan# 824

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Tgt Ion: 57 Resp: 1044800

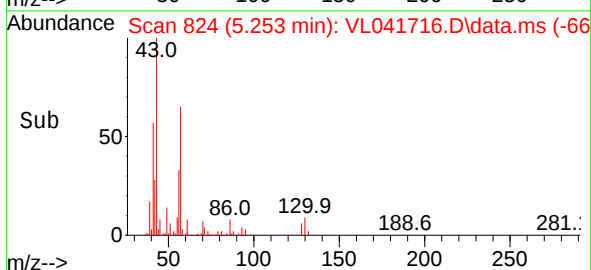
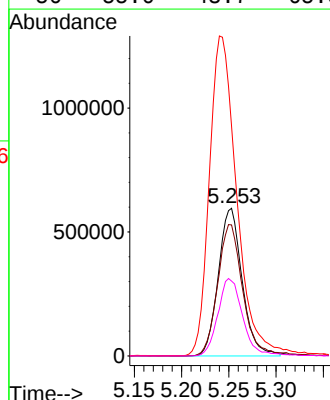
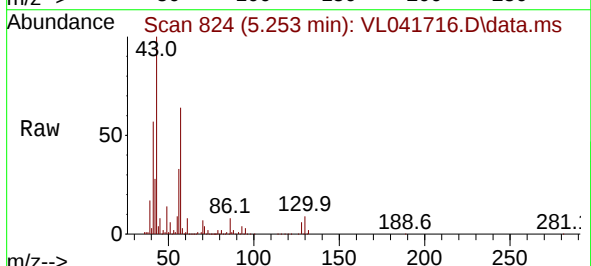
Ion Ratio Lower Upper

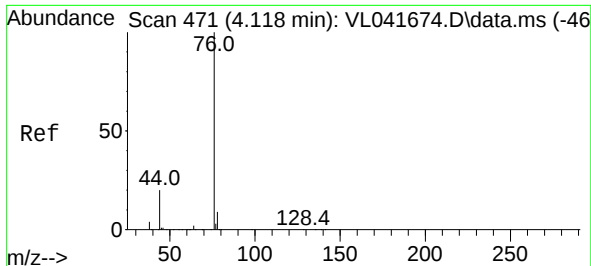
57 100

41 95.1 76.1 114.1

43 250.8 207.0 310.6

56 55.0 43.7 65.5

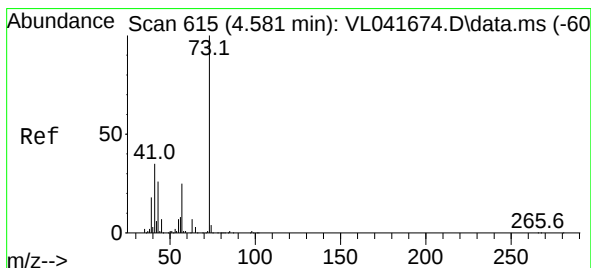
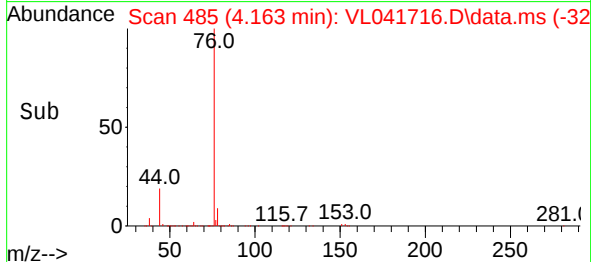
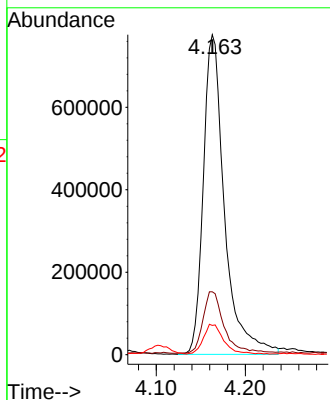
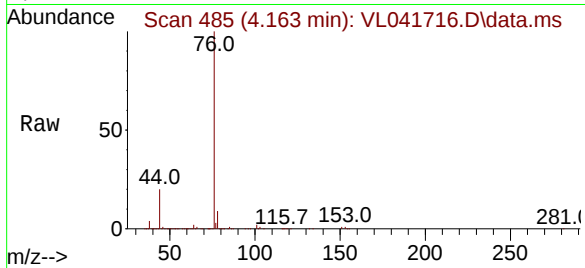




#27
Carbon Disulfide
Concen: 10.999 ppbv
RT: 4.163 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

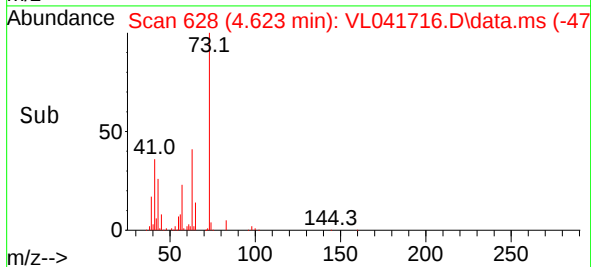
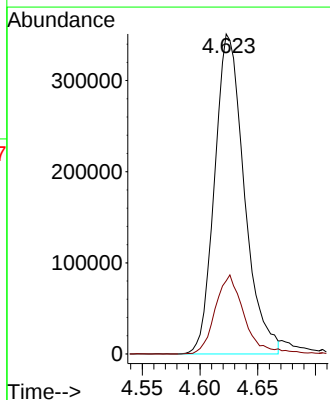
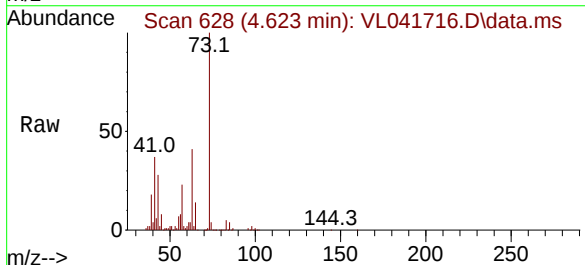
Instrument :
MSVOA_L
ClientSampleId :
VSTDC0010EC

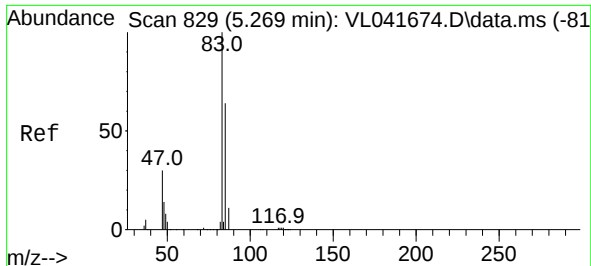
Tgt Ion: 76 Resp: 1279183
Ion Ratio Lower Upper
76 100
44 19.9 15.8 23.8
78 9.5 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 9.405 ppbv
RT: 4.623 min Scan# 628
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 73 Resp: 626938
Ion Ratio Lower Upper
73 100
57 24.4 19.6 29.4





#29

Chloroform

Concen: 9.757 ppbv

RT: 5.314 min Scan# 84

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

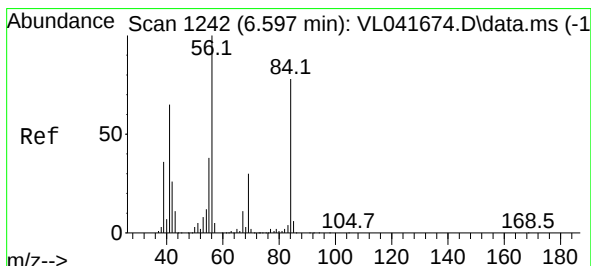
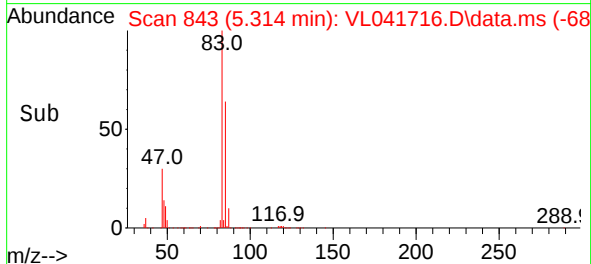
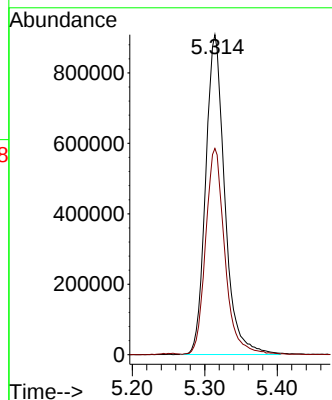
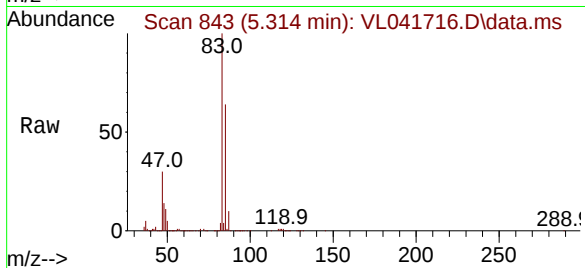
VSTDCCC010EC

Tgt Ion: 83 Resp: 1667143

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7



#30

Cyclohexane

Concen: 10.138 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

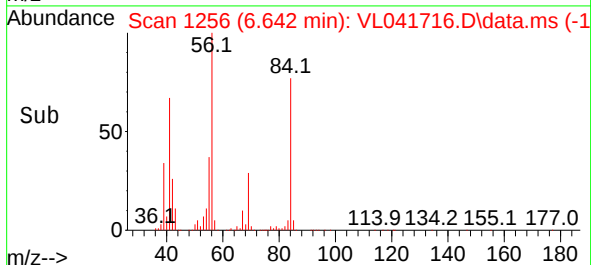
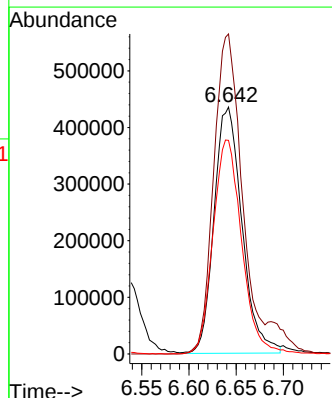
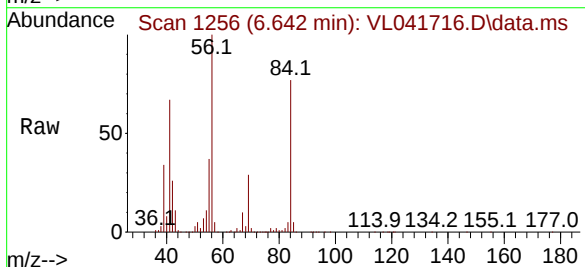
Tgt Ion: 84 Resp: 893628

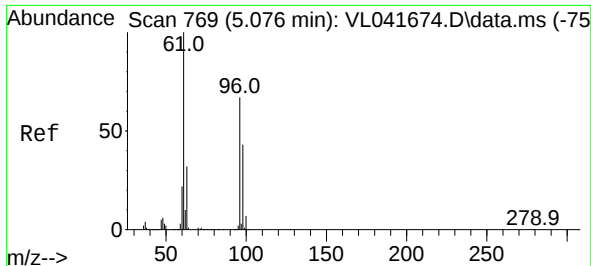
Ion Ratio Lower Upper

84 100

56 139.6 110.8 166.2

41 89.7 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 9.995 ppbv

RT: 5.118 min Scan# 769

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

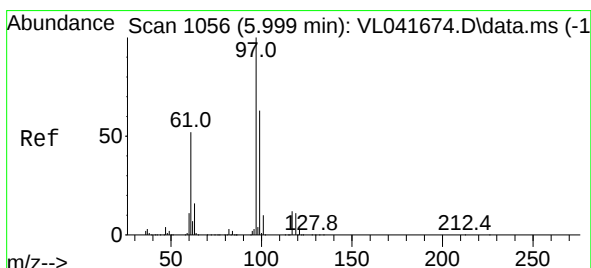
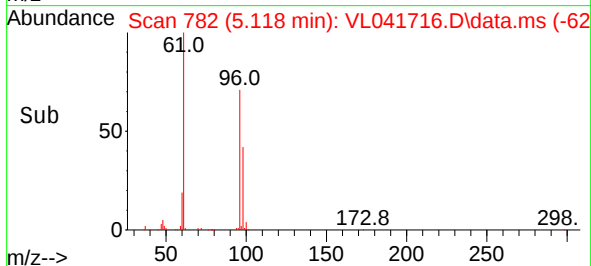
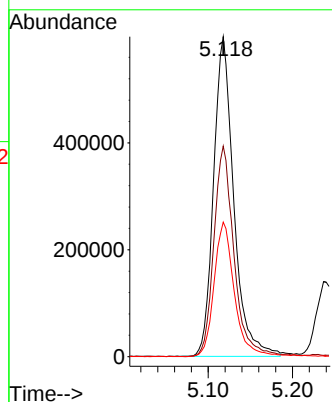
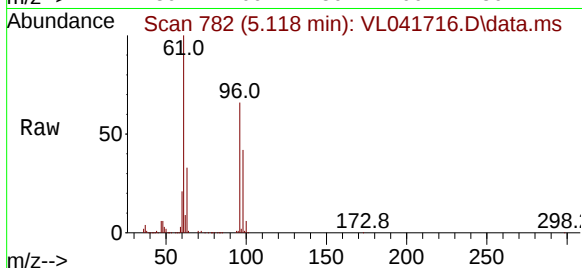
Tgt Ion: 61 Resp: 995302

Ion Ratio Lower Upper

61 100

96 65.8 53.4 80.2

98 42.0 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 10.502 ppbv

RT: 6.041 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

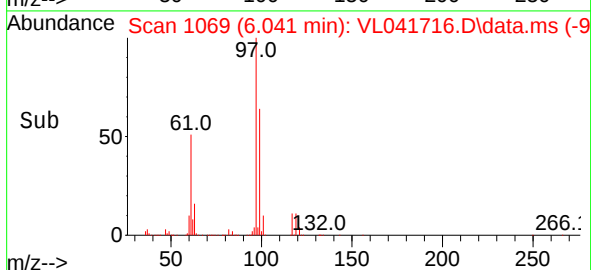
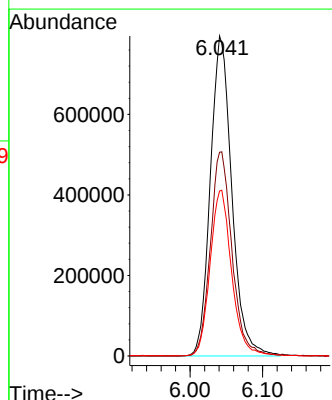
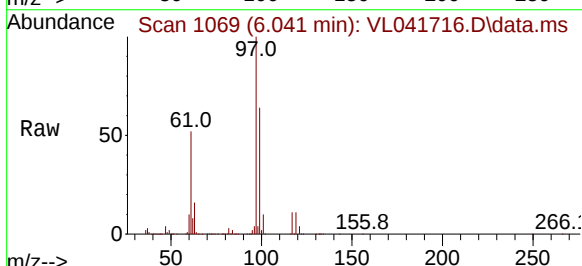
Tgt Ion: 97 Resp: 1637105

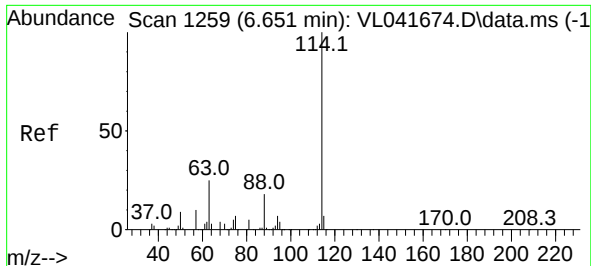
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.2

61 52.0 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.693 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

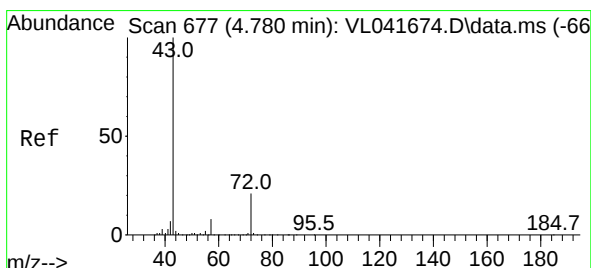
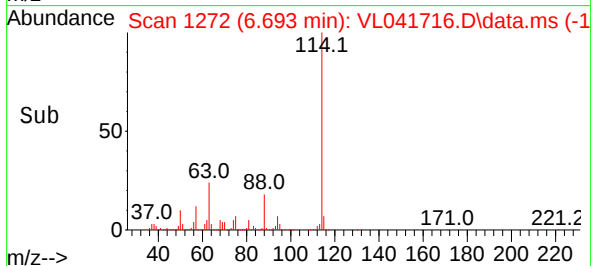
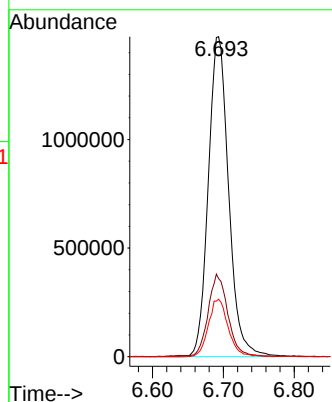
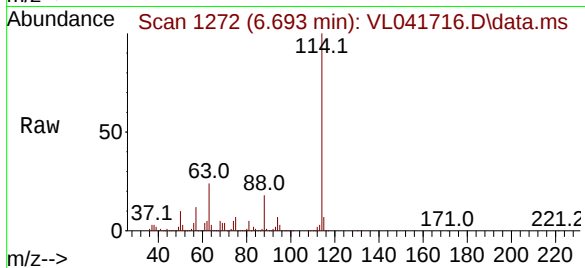
Tgt Ion:114 Resp: 2933077

Ion Ratio Lower Upper

114 100

63 25.5 20.3 30.5

88 17.6 14.2 21.4



#34

2-Butanone

Concen: 9.081 ppbv

RT: 4.822 min Scan# 690

Delta R.T. 0.006 min

Lab File: VL041716.D

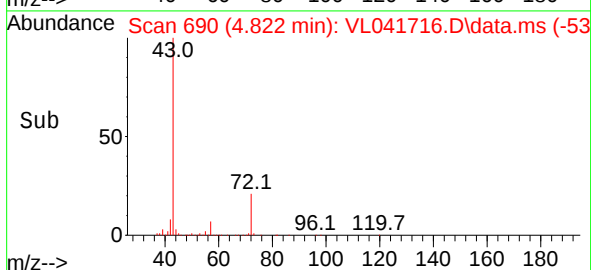
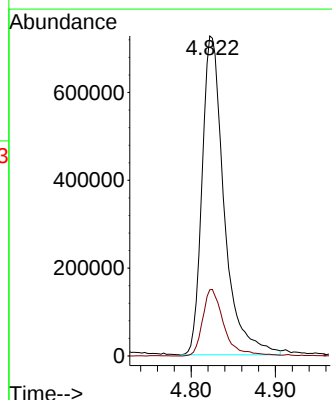
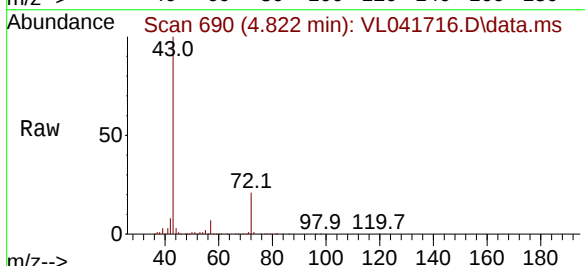
Acq: 21 Nov 2024 15:46

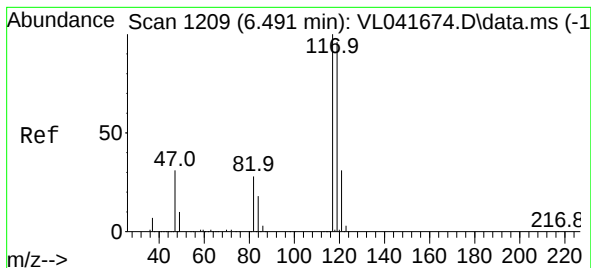
Tgt Ion: 43 Resp: 1326267

Ion Ratio Lower Upper

43 100

72 20.5 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.964 ppbv

RT: 6.533 min Scan# 1184

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

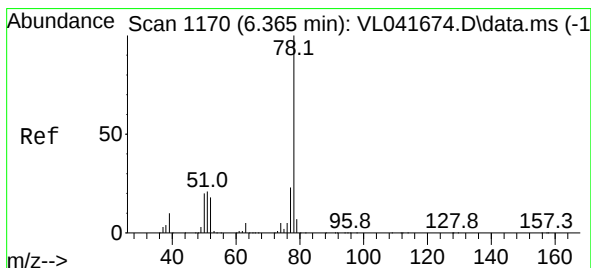
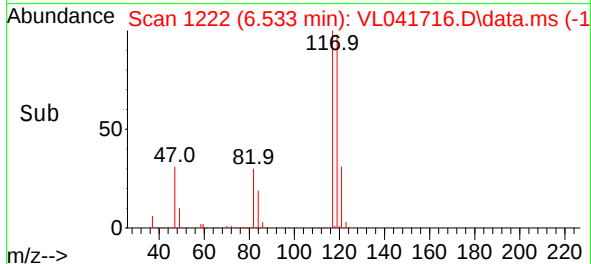
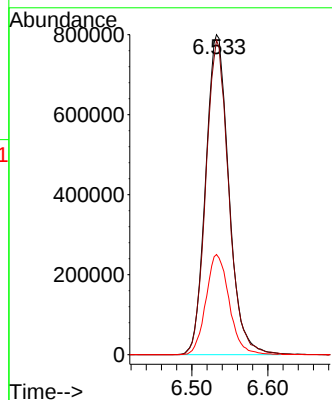
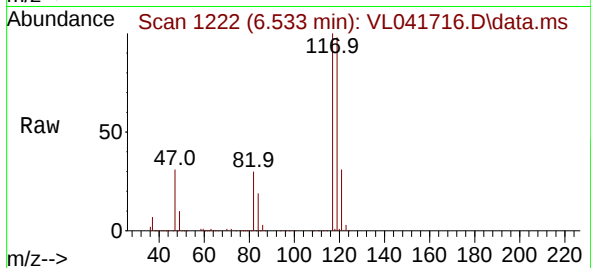
Tgt Ion:117 Resp: 1696639

Ion Ratio Lower Upper

117 100

119 98.1 77.2 115.8

121 31.2 25.0 37.4



#36

Benzene

Concen: 10.344 ppbv

RT: 6.410 min Scan# 1184

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

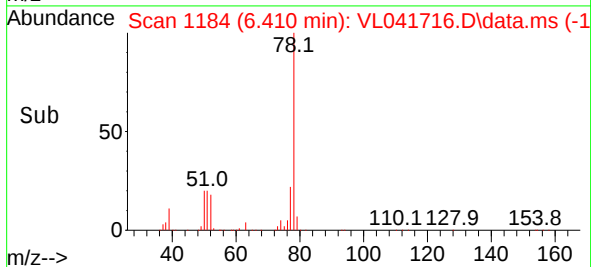
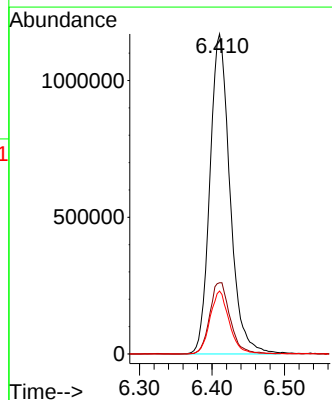
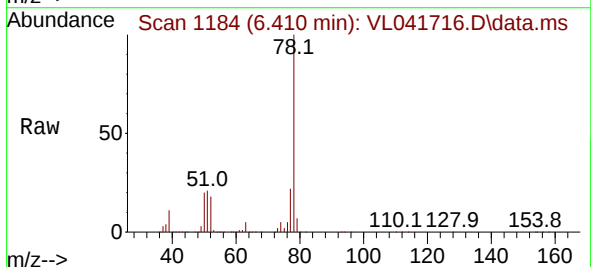
Tgt Ion: 78 Resp: 2247959

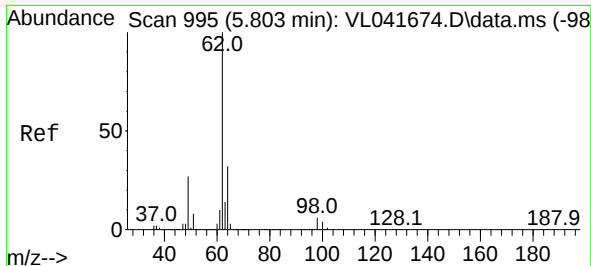
Ion Ratio Lower Upper

78 100

77 22.2 18.5 27.7

50 19.6 15.6 23.4





#37

1,2-Dichloroethane

Concen: 10.339 ppbv

RT: 5.848 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

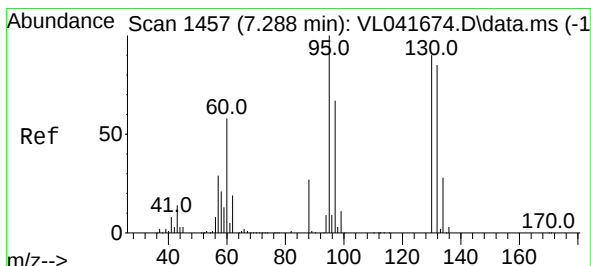
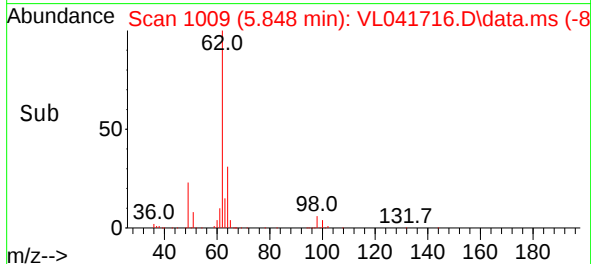
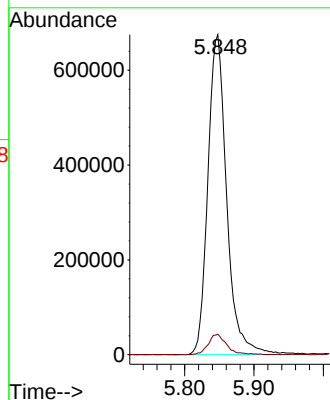
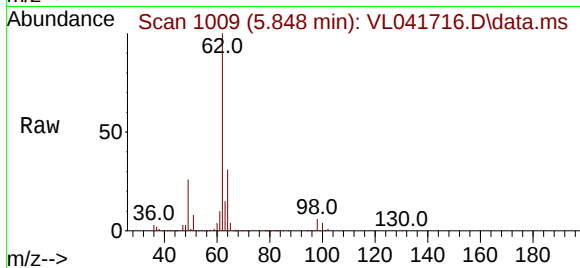
VSTDCCC010EC

Tgt Ion: 62 Resp: 1267601

Ion Ratio Lower Upper

62 100

98 6.4 5.2 7.8



#38

Trichloroethene

Concen: 15.404 ppbv

RT: 7.330 min Scan# 1470

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Tgt Ion:130 Resp: 1285707

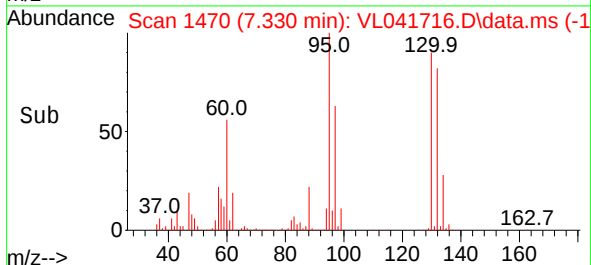
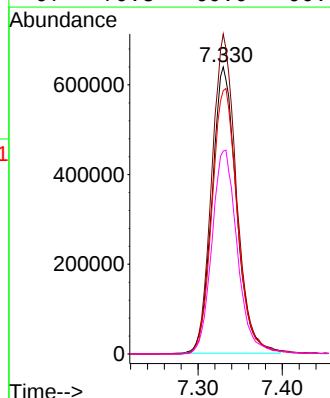
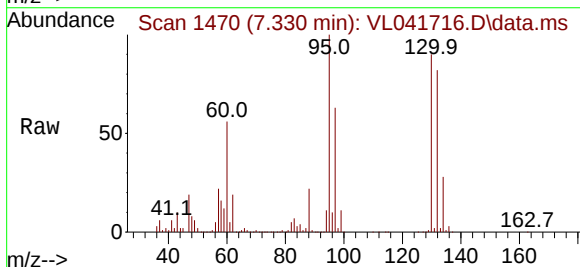
Ion Ratio Lower Upper

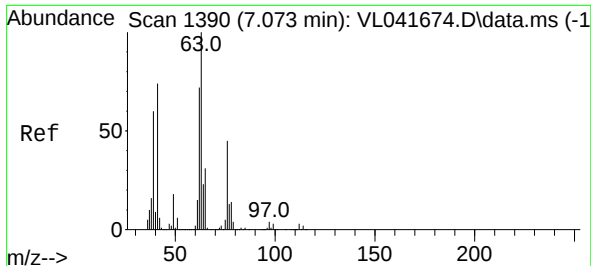
130 100

95 111.7 89.1 133.7

132 92.0 75.7 113.5

97 70.8 60.0 90.0





#39

1,2-Dichloropropane

Concen: 10.024 ppbv

RT: 7.111 min Scan# 1402

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

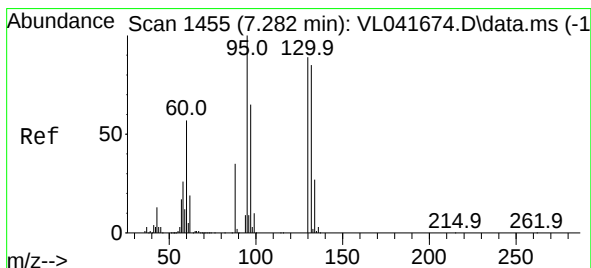
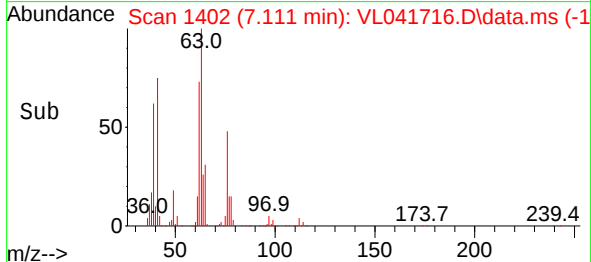
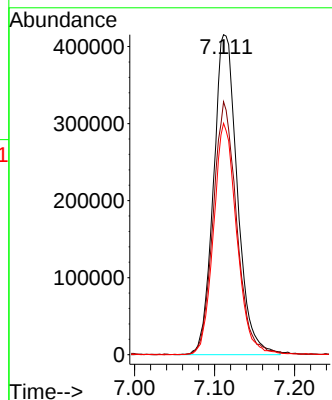
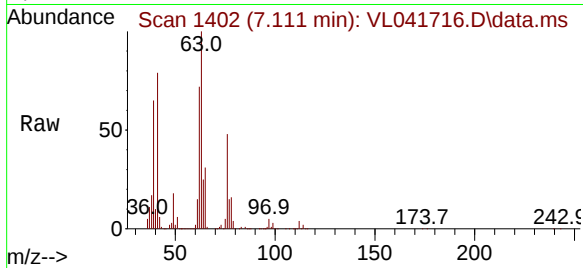
Tgt Ion: 63 Resp: 860843

Ion Ratio Lower Upper

63 100

41 78.9 59.1 88.7

62 72.2 57.7 86.5



#40

1,4-Dioxane

Concen: 11.759 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Tgt Ion: 88 Resp: 362339

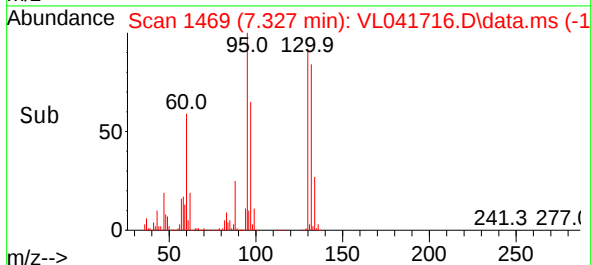
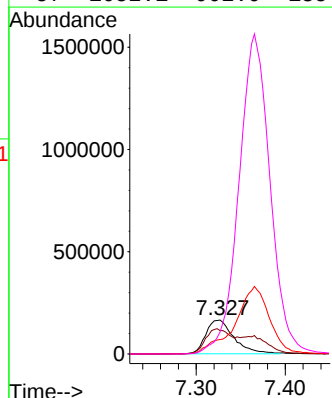
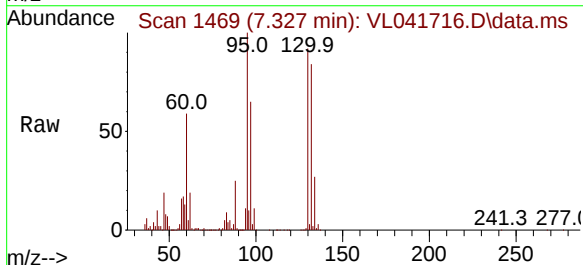
Ion Ratio Lower Upper

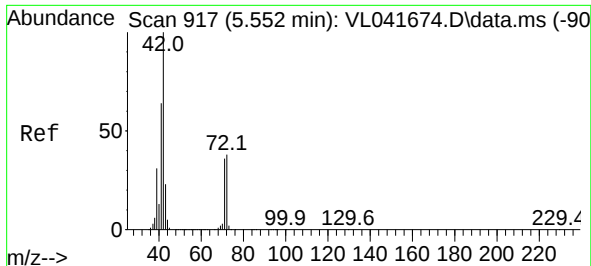
88 100

58 122.3 101.4 152.2

43 246.2 208.0 312.0

57 1052.1 902.9 1354.3





#41

Tetrahydrofuran

Concen: 10.662 ppbv

RT: 5.594 min Scan# 917

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

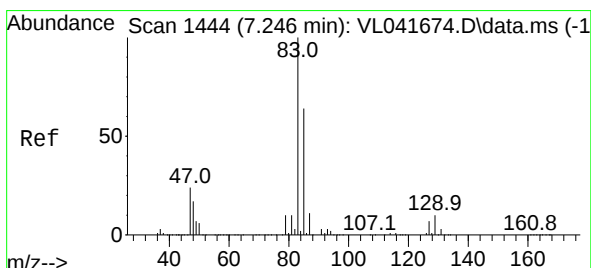
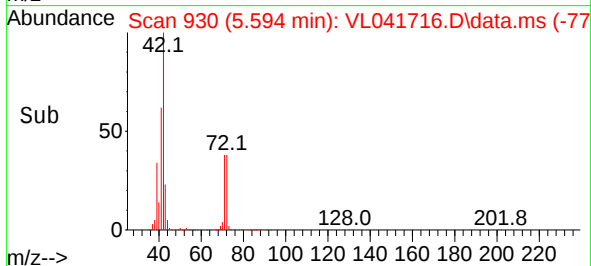
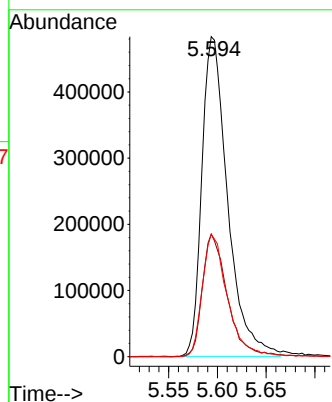
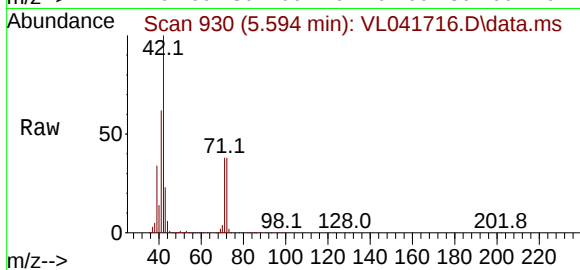
Tgt Ion: 42 Resp: 889296

Ion Ratio Lower Upper

42 100

72 37.5 29.8 44.6

71 37.6 29.4 44.2



#42

Bromodichloromethane

Concen: 10.535 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

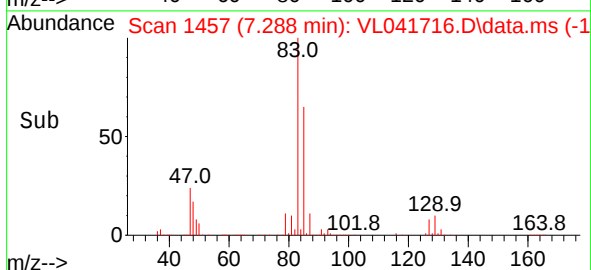
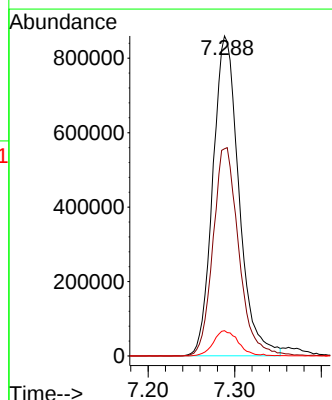
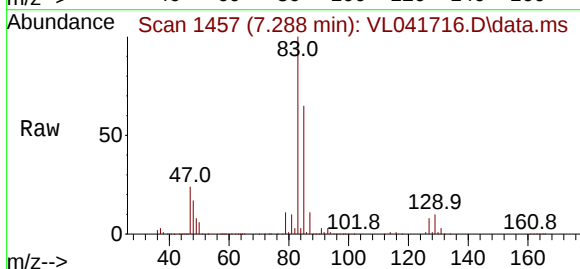
Tgt Ion: 83 Resp: 1794888

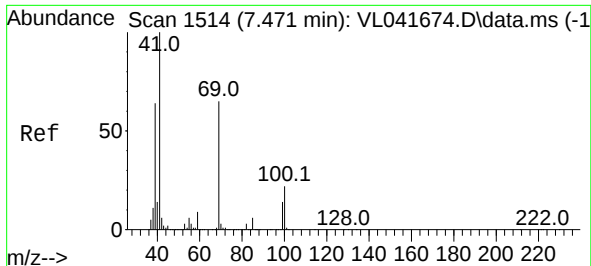
Ion Ratio Lower Upper

83 100

85 64.8 51.2 76.8

127 7.9 6.0 9.0





#43

Methyl Methacrylate

Concen: 11.295 ppbv

RT: 7.510 min Scan# 1481

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

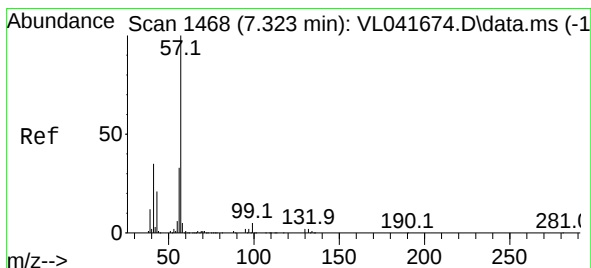
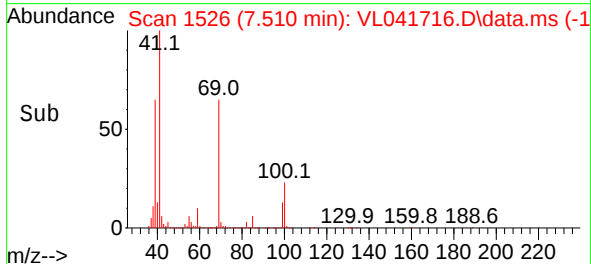
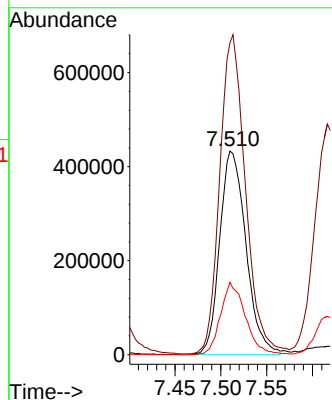
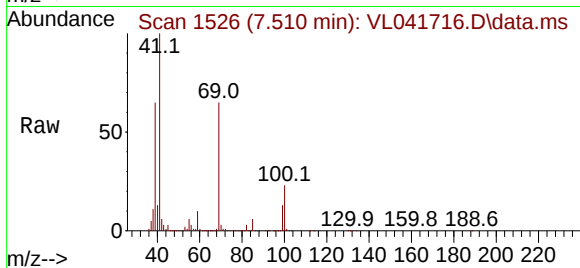
Tgt Ion: 69 Resp: 861885

Ion Ratio Lower Upper

69 100

41 153.9 119.8 179.6

100 33.6 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 10.331 ppbv

RT: 7.365 min Scan# 1481

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

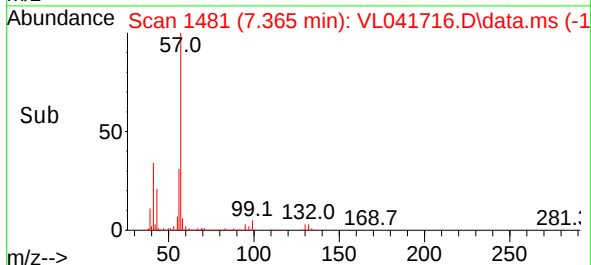
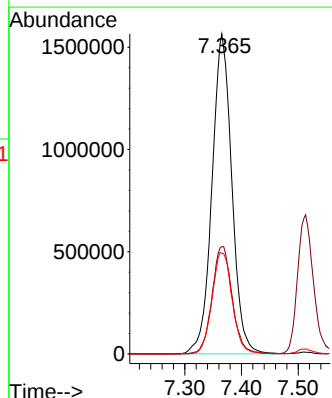
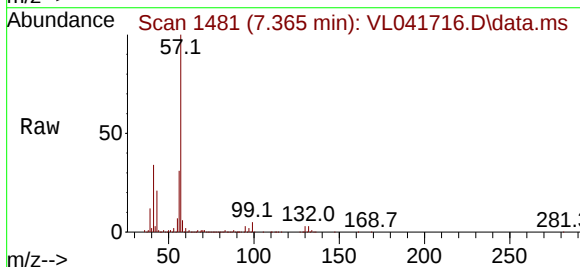
Tgt Ion: 57 Resp: 3803122

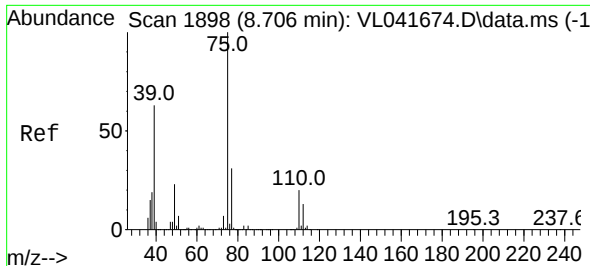
Ion Ratio Lower Upper

57 100

41 34.1 27.0 40.6

56 32.4 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 10.484 ppbv

RT: 8.748 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

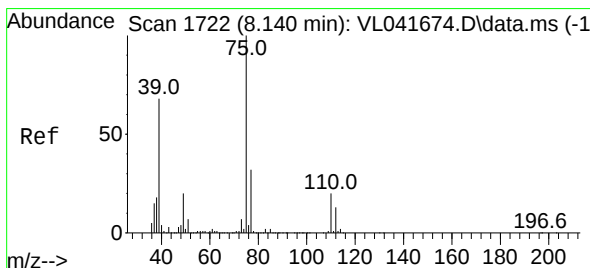
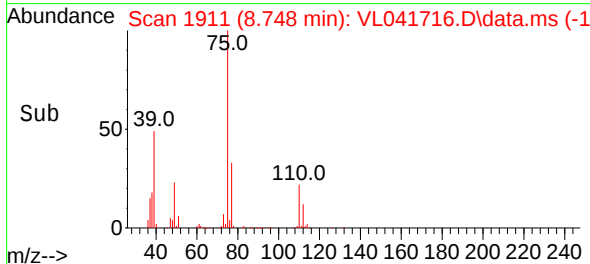
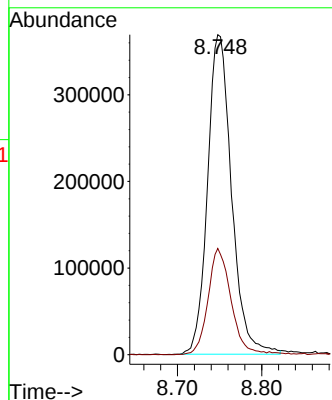
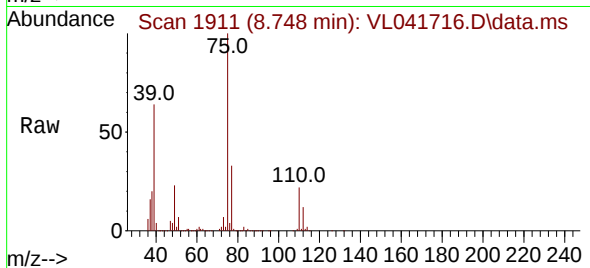
VSTDCCC010EC

Tgt Ion: 75 Resp: 730997

Ion Ratio Lower Upper

75 100

77 33.2 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 10.750 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

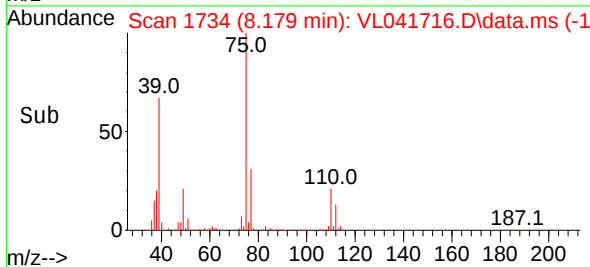
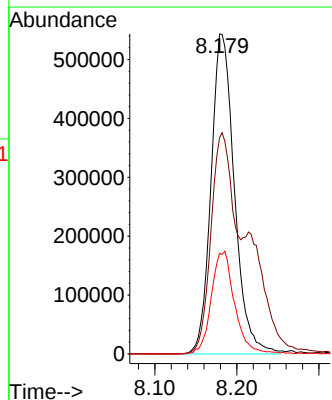
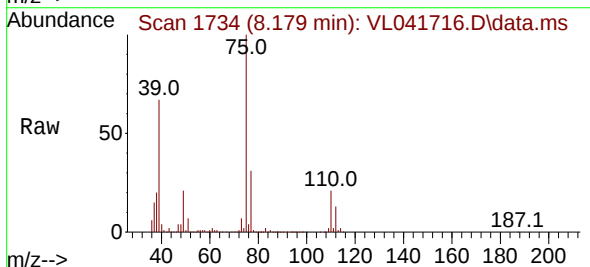
Tgt Ion: 75 Resp: 1076550

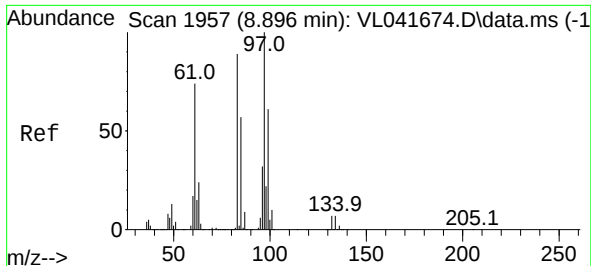
Ion Ratio Lower Upper

75 100

39 67.4 54.1 81.1

77 31.5 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 10.120 ppbv

RT: 8.938 min Scan# 1957

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 940621

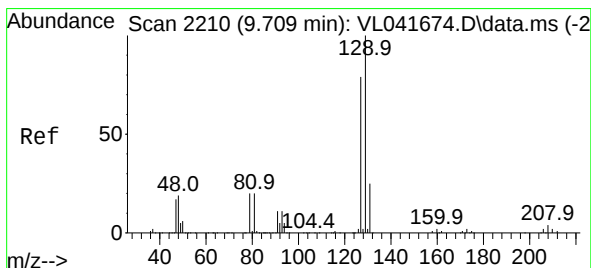
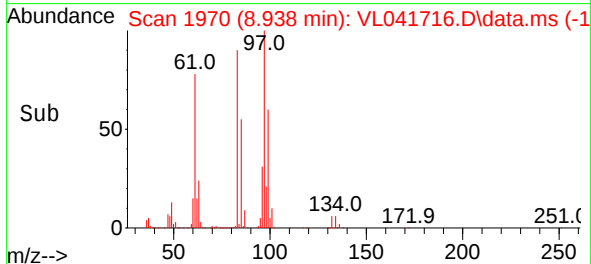
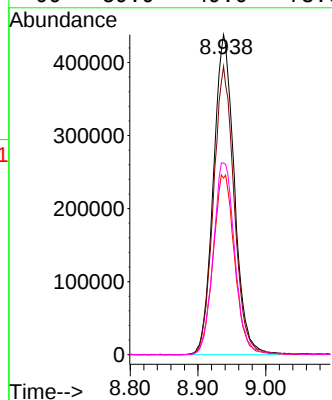
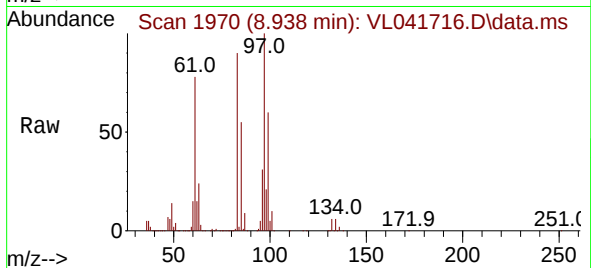
Ion Ratio Lower Upper

97 100

83 90.1 71.0 106.6

85 55.2 45.4 68.2

99 59.9 49.0 73.6



#48

Dibromochloromethane

Concen: 10.883 ppbv

RT: 9.748 min Scan# 2222

Delta R.T. 0.006 min

Lab File: VL041716.D

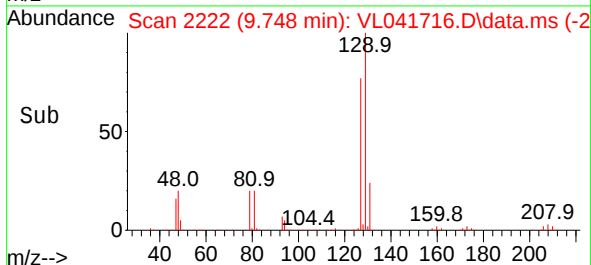
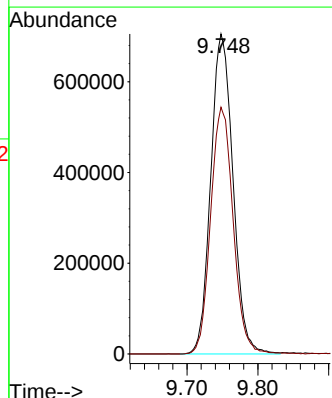
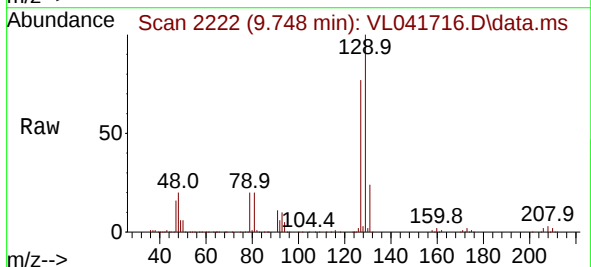
Acq: 21 Nov 2024 15:46

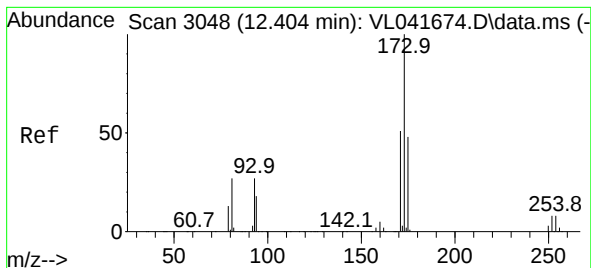
Tgt Ion: 129 Resp: 1537701

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.2





#49

Bromoform

Concen: 11.157 ppbv

RT: 12.445 min Scan# 3048

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

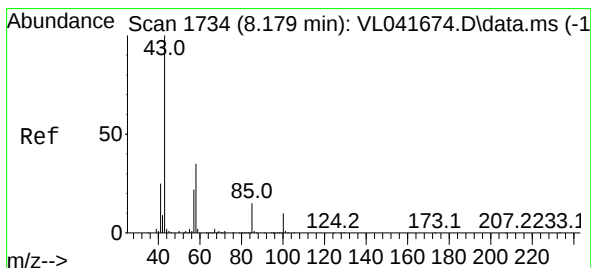
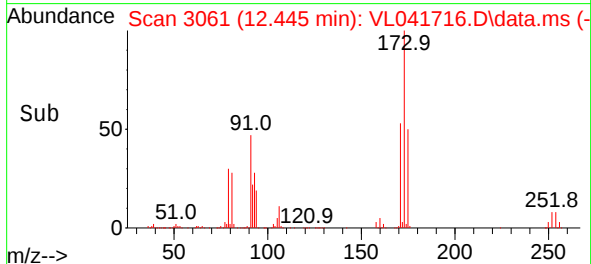
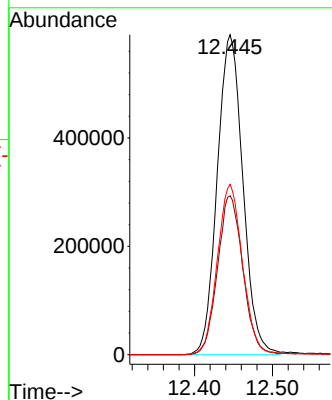
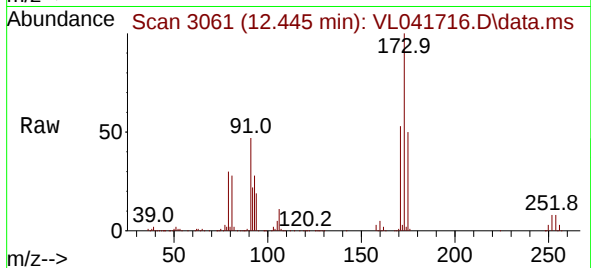
Tgt Ion:173 Resp: 1348848

Ion Ratio Lower Upper

173 100

175 49.4 39.2 58.8

171 52.7 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 11.096 ppbv

RT: 8.217 min Scan# 1746

Delta R.T. 0.006 min

Lab File: VL041716.D

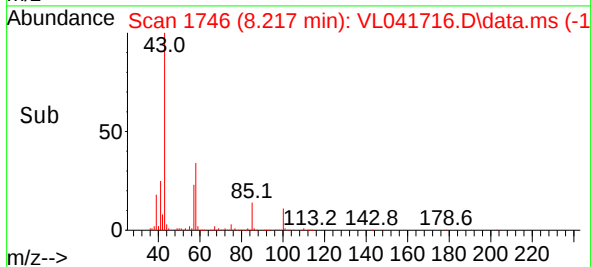
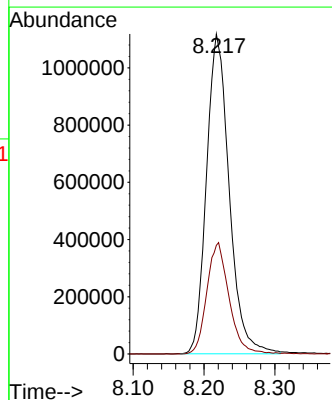
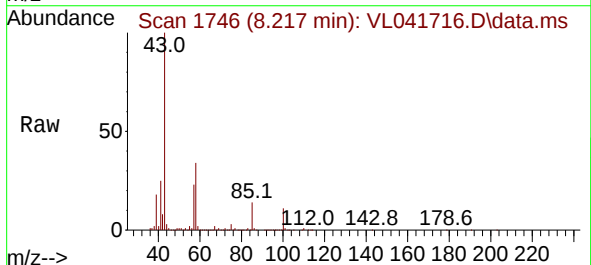
Acq: 21 Nov 2024 15:46

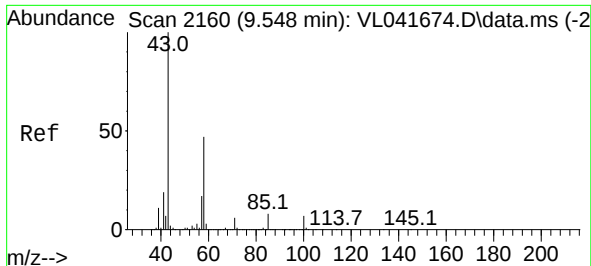
Tgt Ion: 43 Resp: 2487875

Ion Ratio Lower Upper

43 100

58 34.2 27.7 41.5

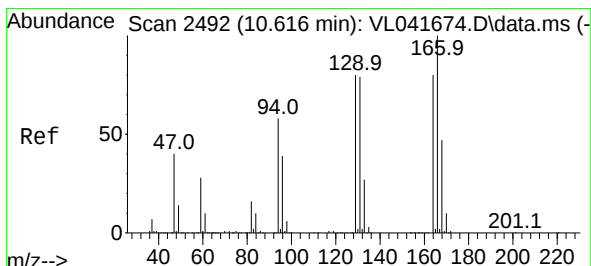
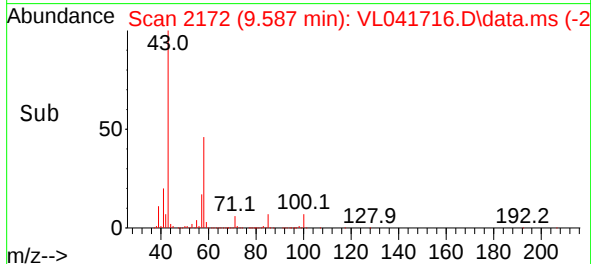
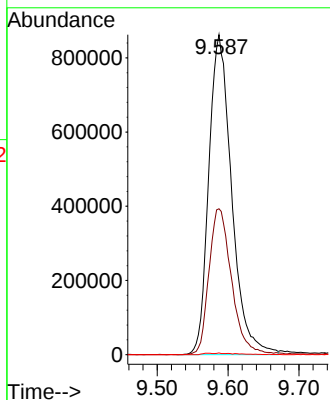
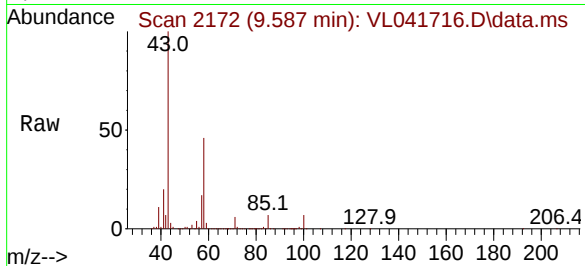




#51
2-Hexanone
Concen: 11.813 ppbv
RT: 9.587 min Scan# 2160
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

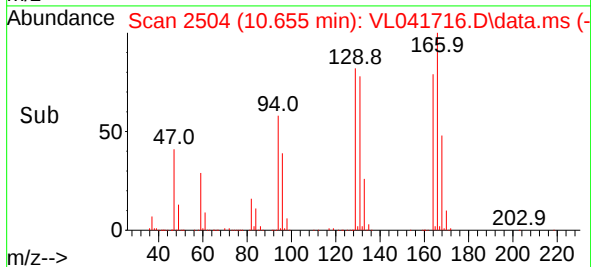
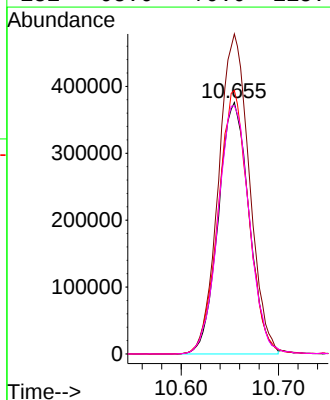
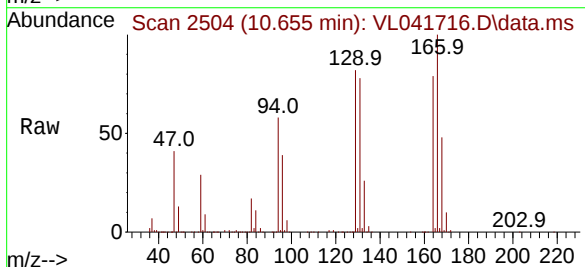
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

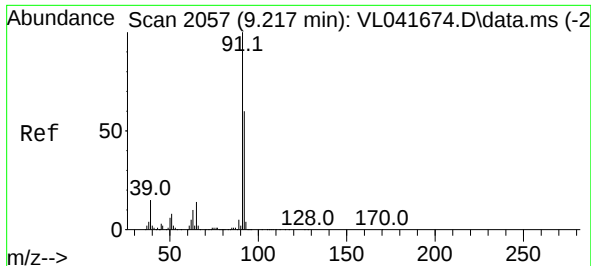
Tgt Ion: 43 Resp: 1928715
Ion Ratio Lower Upper
43 100
58 45.6 37.0 55.6
98 0.7 0.6 0.8



#52
Tetrachloroethene
Concen: 11.112 ppbv
RT: 10.655 min Scan# 2504
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion:164 Resp: 822968
Ion Ratio Lower Upper
164 100
166 127.3 100.2 150.4
129 104.7 79.7 119.5
131 98.6 79.0 118.4





#53

Toluene

Concen: 11.269 ppbv

RT: 9.259 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

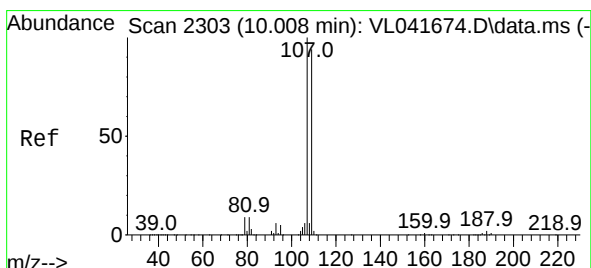
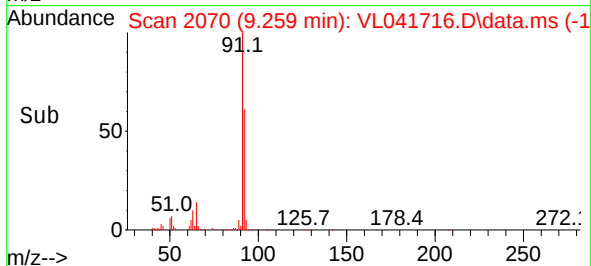
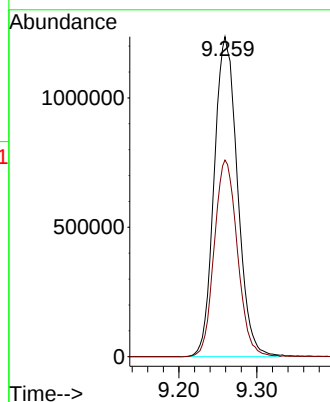
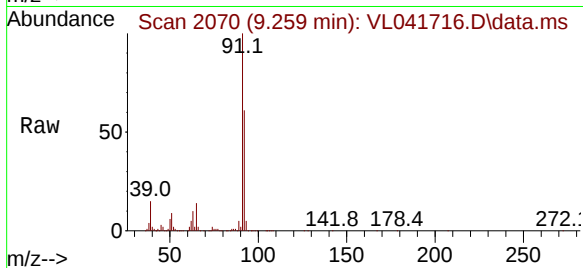
VSTDCCC010EC

Tgt Ion: 91 Resp: 2575431

Ion Ratio Lower Upper

91 100

92 61.1 49.0 73.4



#54

1,2-Dibromoethane

Concen: 11.296 ppbv

RT: 10.050 min Scan# 2316

Delta R.T. 0.010 min

Lab File: VL041716.D

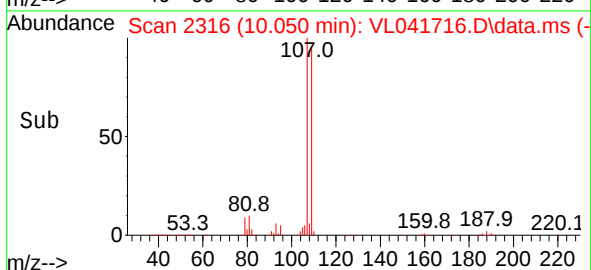
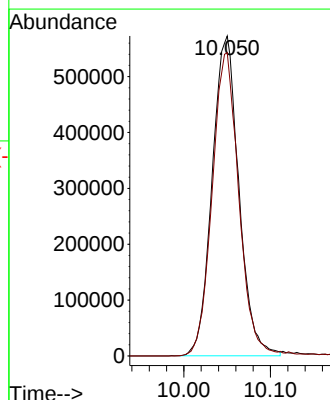
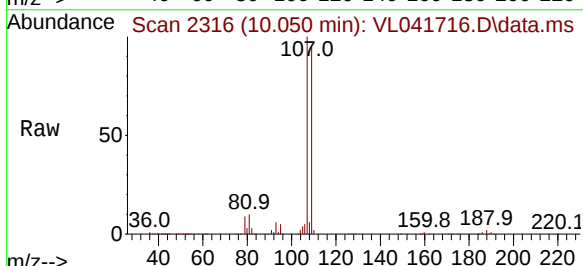
Acq: 21 Nov 2024 15:46

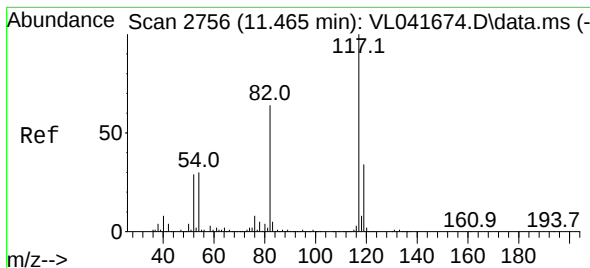
Tgt Ion:107 Resp: 1226683

Ion Ratio Lower Upper

107 100

109 94.7 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.503 min Scan# 2768

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

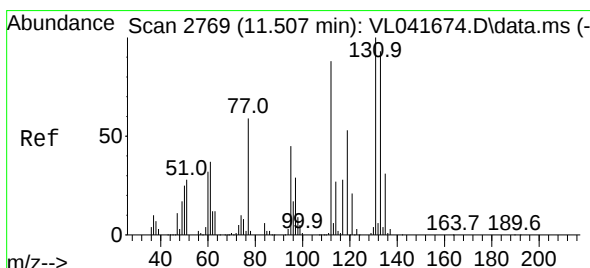
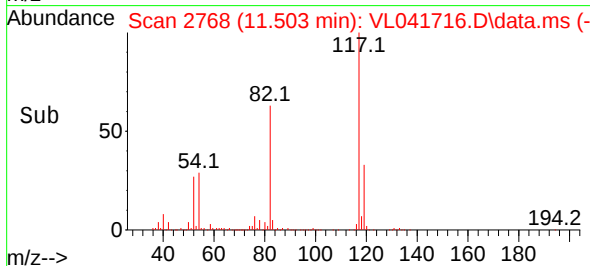
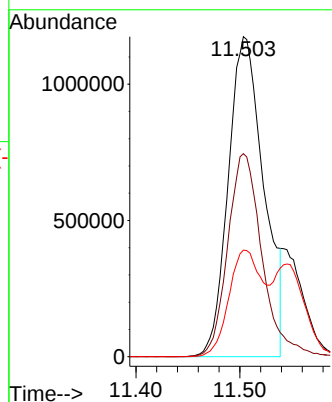
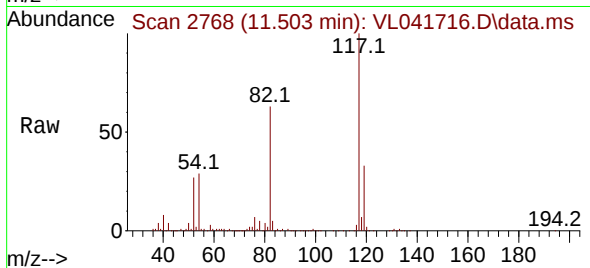
Tgt Ion:117 Resp: 2794086

Ion Ratio Lower Upper

117 100

82 61.8 49.8 74.8

119 28.8 24.2 36.4



#56

1,1,1,2-Tetrachloroethane

Concen: 10.010 ppbv

RT: 11.545 min Scan# 2781

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

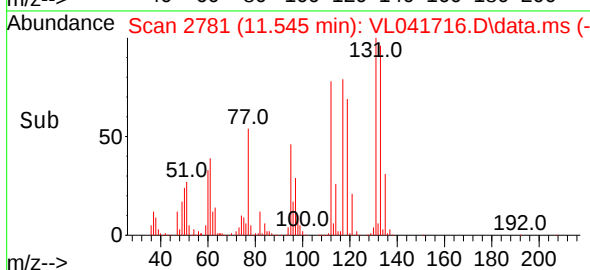
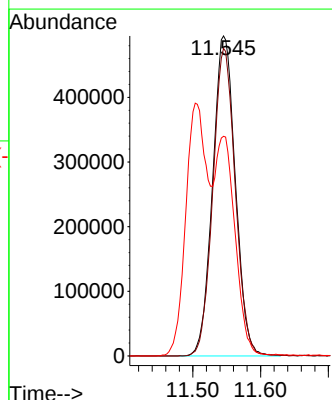
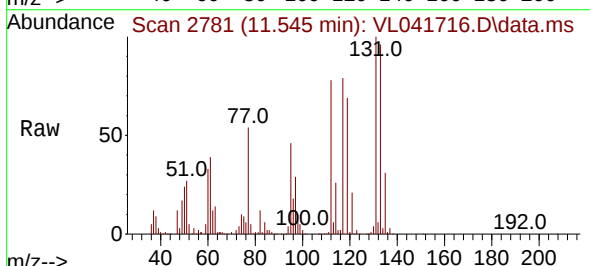
Tgt Ion:131 Resp: 1153543

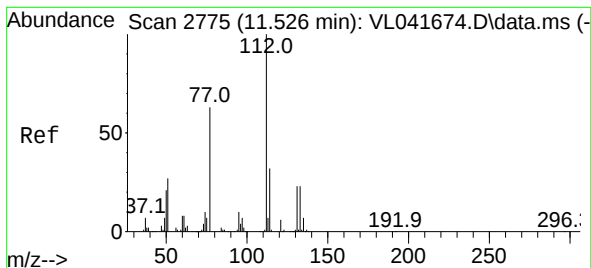
Ion Ratio Lower Upper

131 100

133 95.1 76.5 114.7

119 63.7 49.8 74.8

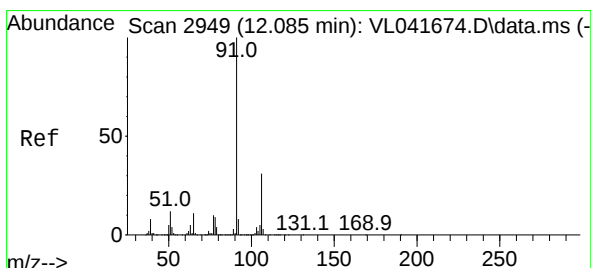
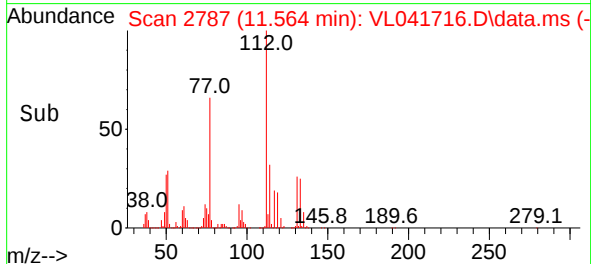
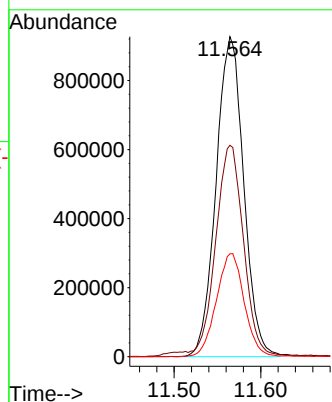
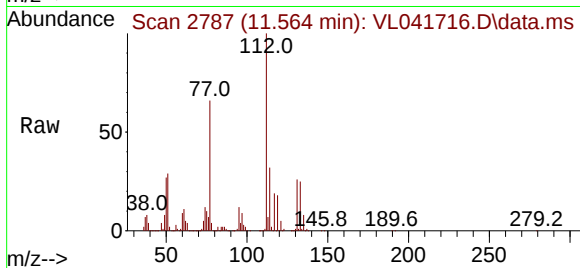




#57
Chlorobenzene
Concen: 9.952 ppbv
RT: 11.564 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

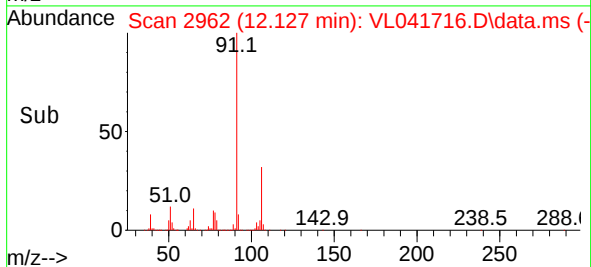
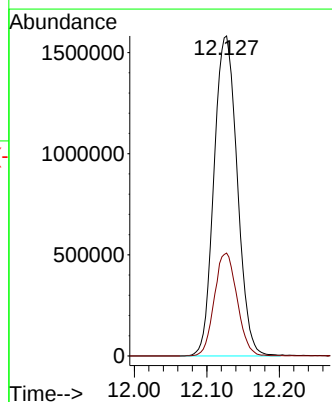
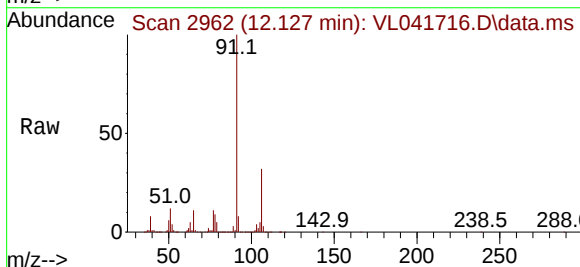
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

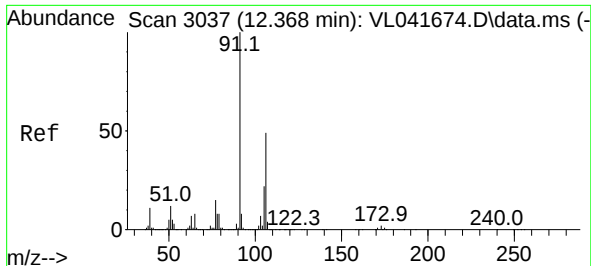
Tgt Ion:112 Resp: 2056508
Ion Ratio Lower Upper
112 100
77 65.3 51.4 77.2
114 32.0 28.4 34.8



#58
Ethyl Benzene
Concen: 11.512 ppbv
RT: 12.127 min Scan# 2962
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion: 91 Resp: 3526421
Ion Ratio Lower Upper
91 100
106 32.1 24.9 37.3





#59

m/p-Xylene

Concen: 13.008 ppbv

RT: 12.410 min Scan# 3037

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

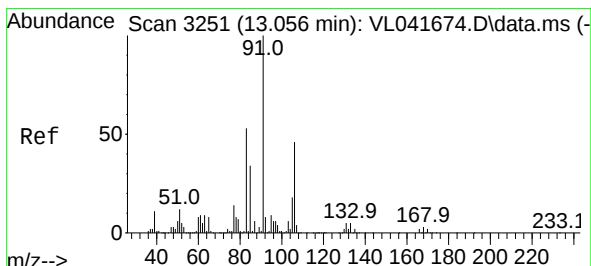
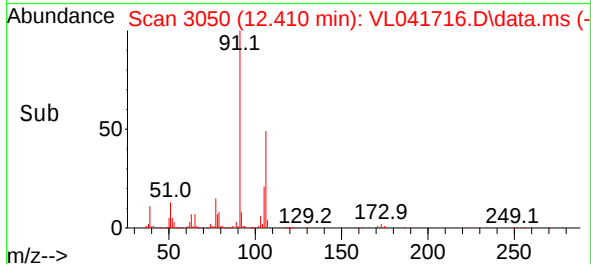
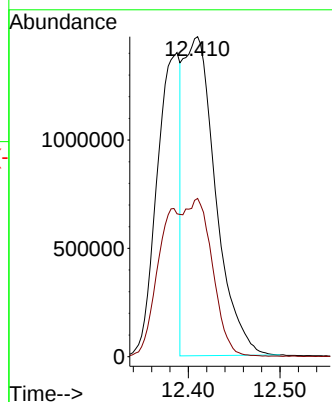
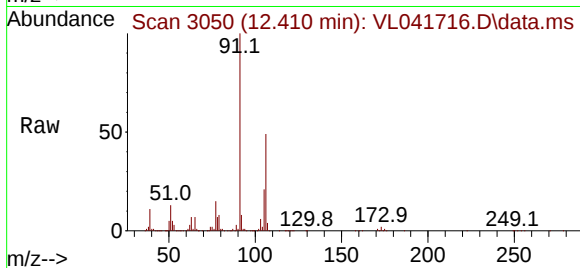
VSTDCCC010EC

Tgt Ion: 91 Resp: 3568288

Ion Ratio Lower Upper

91 100

106 77.9 36.9 55.3#



#60

o-Xylene

Concen: 11.239 ppbv

RT: 13.095 min Scan# 3263

Delta R.T. 0.006 min

Lab File: VL041716.D

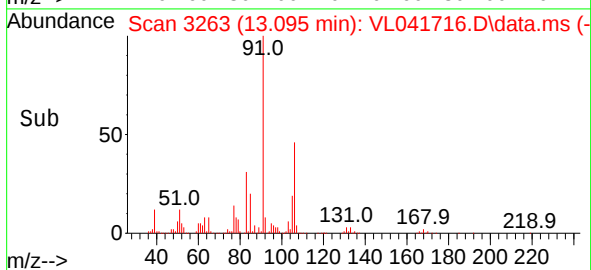
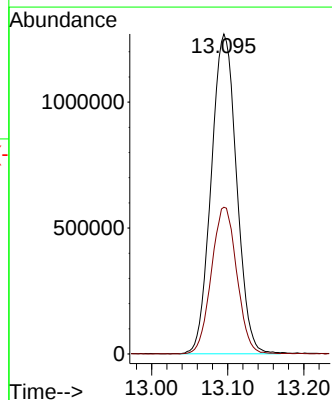
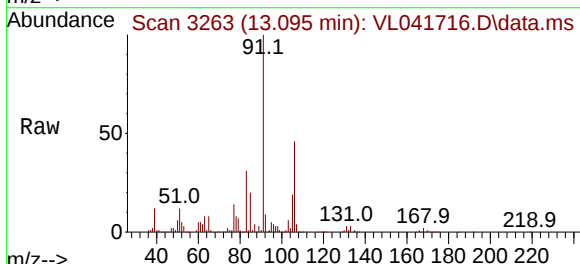
Acq: 21 Nov 2024 15:46

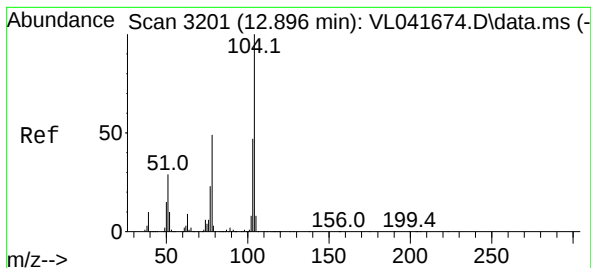
Tgt Ion: 91 Resp: 2939812

Ion Ratio Lower Upper

91 100

106 46.1 23.2 69.6





#61

Styrene

Concen: 12.879 ppbv

RT: 12.934 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

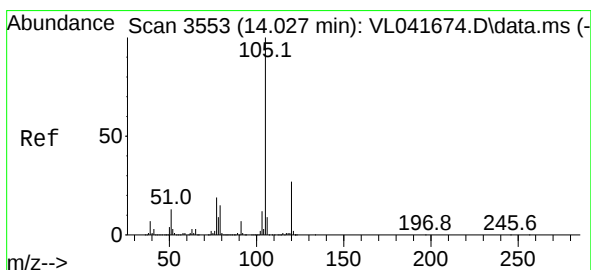
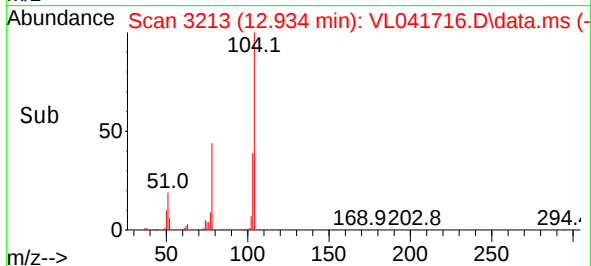
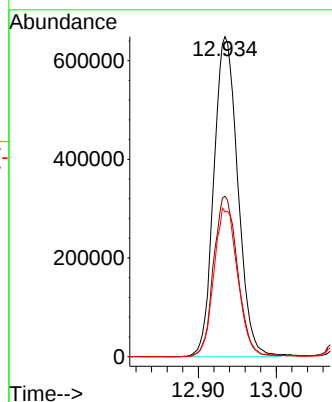
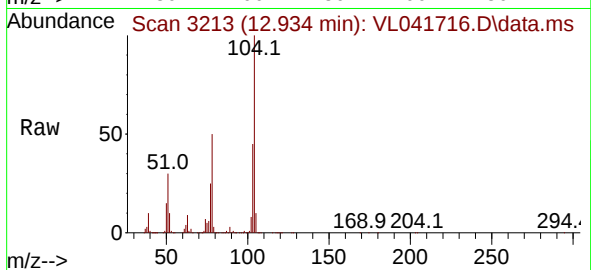
Tgt Ion:104 Resp: 1390368

Ion Ratio Lower Upper

104 100

78 50.3 39.8 59.8

103 46.5 37.4 56.0



#62

Isopropylbenzene

Concen: 10.429 ppbv

RT: 14.066 min Scan# 3565

Delta R.T. 0.006 min

Lab File: VL041716.D

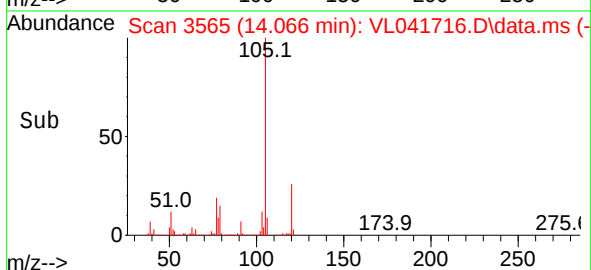
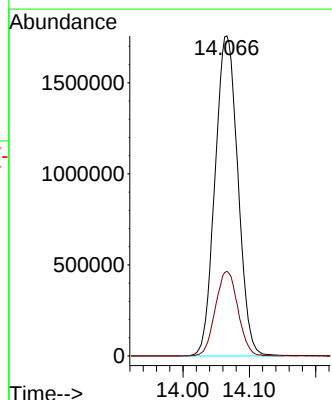
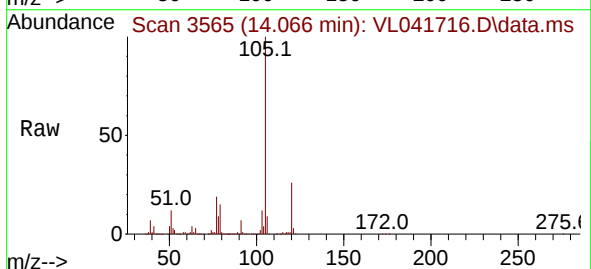
Acq: 21 Nov 2024 15:46

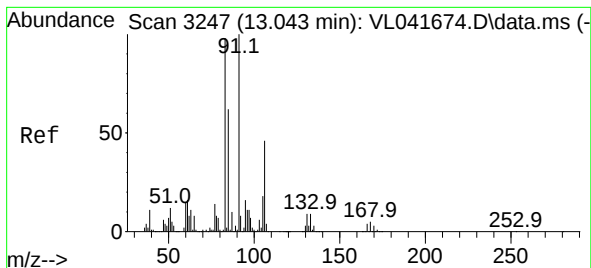
Tgt Ion:105 Resp: 4212885

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

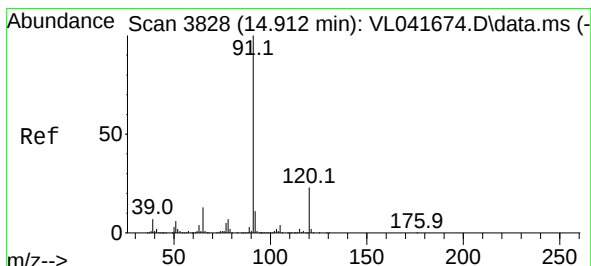
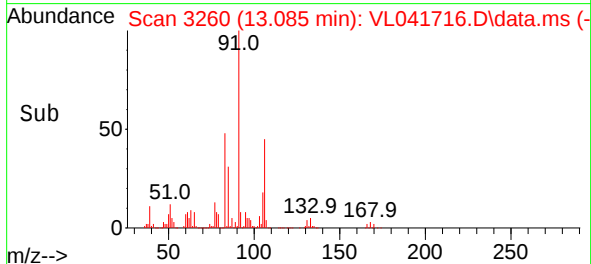
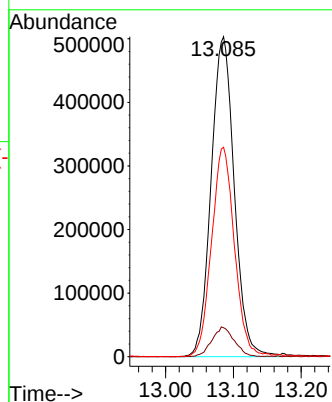
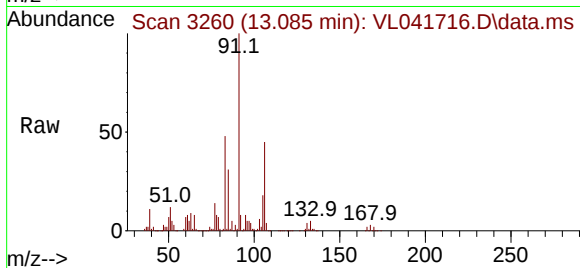




#63
1,1,2,2-Tetrachloroethane
Concen: 6.198 ppbv
RT: 13.085 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

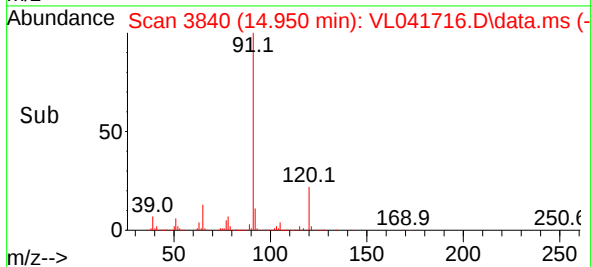
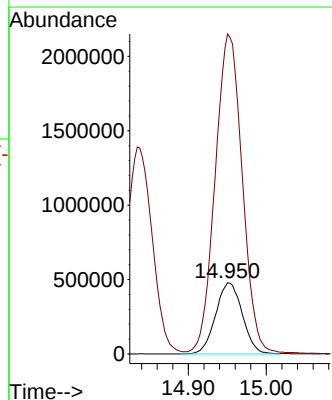
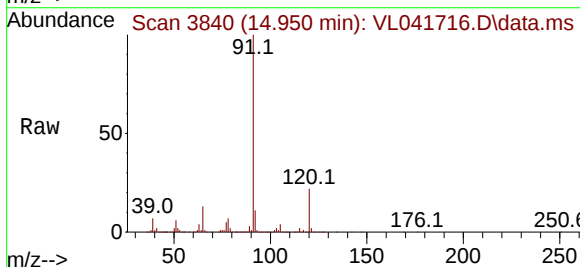
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

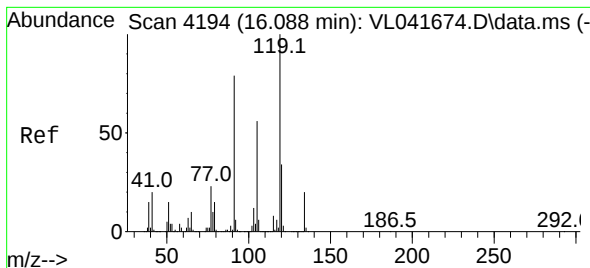
Tgt Ion: 83 Resp: 1192554
Ion Ratio Lower Upper
83 100
131 9.0 4.8 14.3
85 65.2 32.6 98.0



#64
n-propylbenzene
Concen: 10.754 ppbv
RT: 14.950 min Scan# 3840
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion:120 Resp: 1137229
Ion Ratio Lower Upper
120 100
91 459.8 362.4 543.6





#65

tert-Butylbenzene

Concen: 10.473 ppbv

RT: 16.127 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

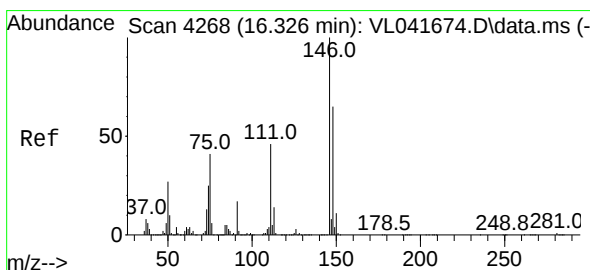
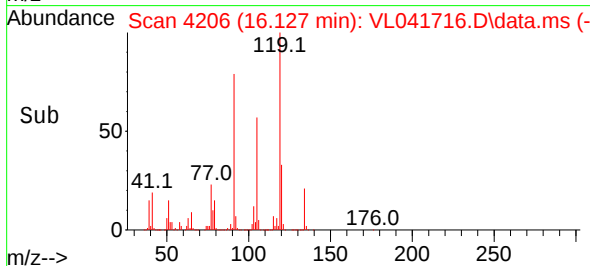
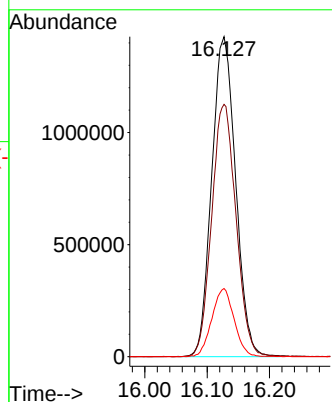
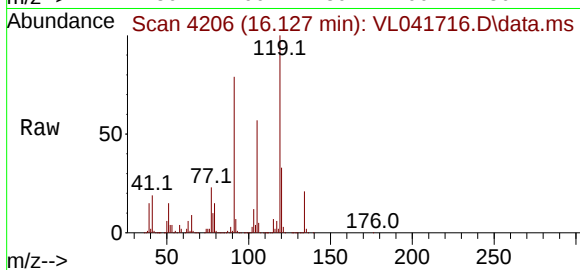
Tgt Ion:119 Resp: 3802509

Ion Ratio Lower Upper

119 100

91 80.4 64.3 96.5

134 19.9 15.8 23.8



#66

Benzyl Chloride

Concen: 6.571 ppbv

RT: 16.365 min Scan# 4280

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

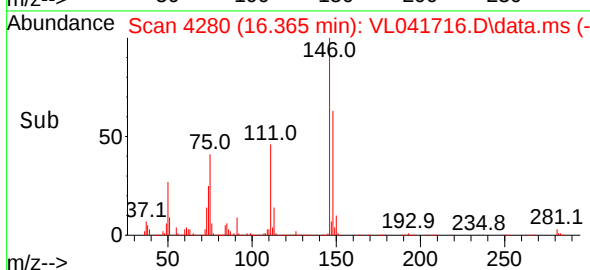
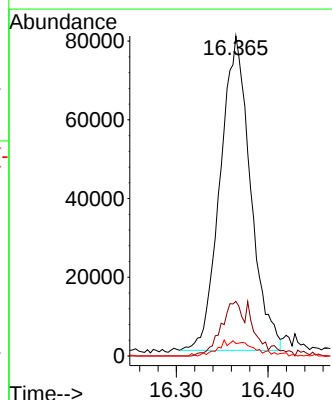
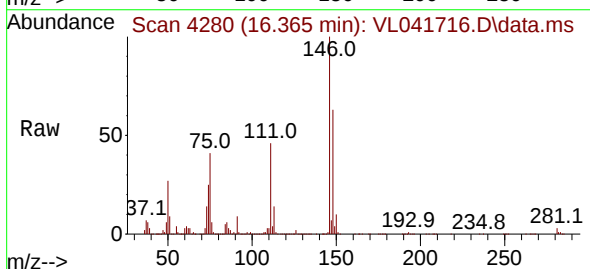
Tgt Ion: 91 Resp: 183525

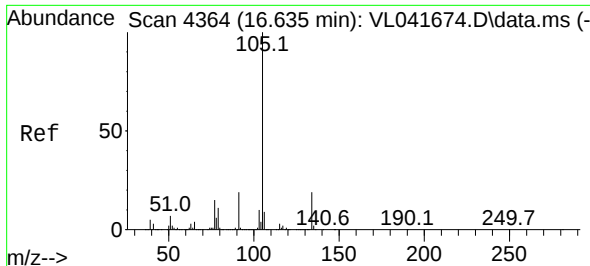
Ion Ratio Lower Upper

91 100

126 19.3 13.8 20.6

128 5.8 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.476 ppbv

RT: 16.674 min Scan# 4364

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

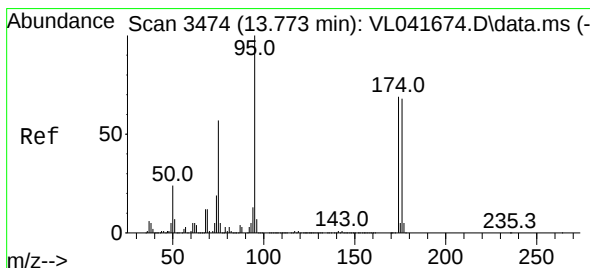
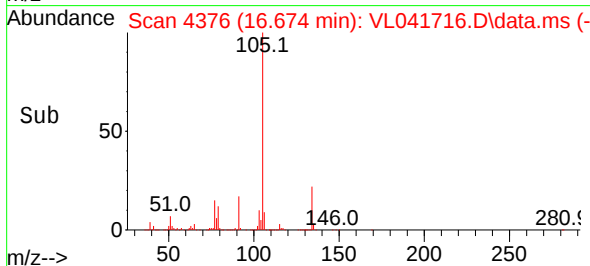
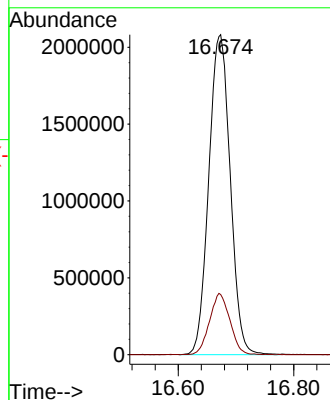
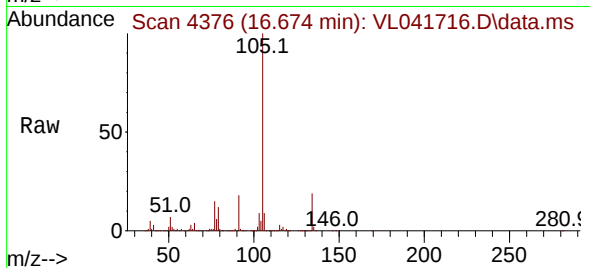
VSTDCCC010EC

Tgt Ion:105 Resp: 5361203

Ion Ratio Lower Upper

105 100

134 18.3 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.932 ppbv

RT: 13.812 min Scan# 3486

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

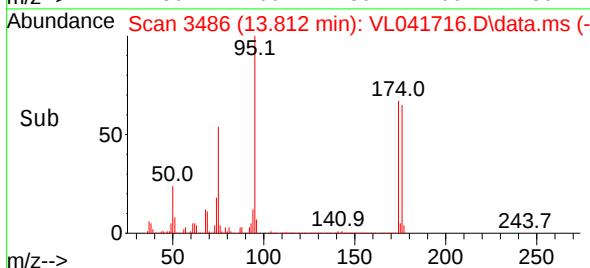
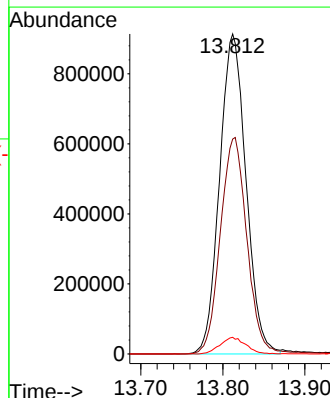
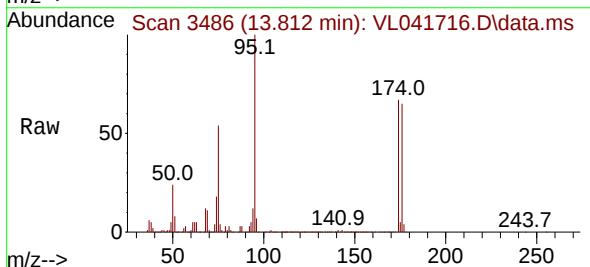
Tgt Ion: 95 Resp: 2044697

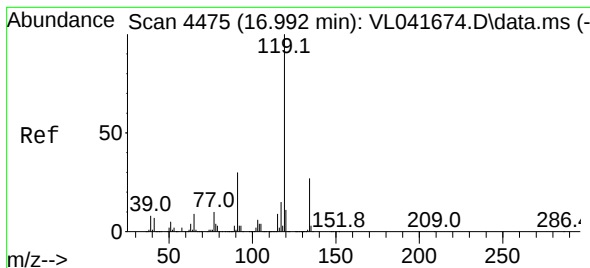
Ion Ratio Lower Upper

95 100

174 68.3 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 10.765 ppbv

RT: 17.031 min Scan# 4475

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

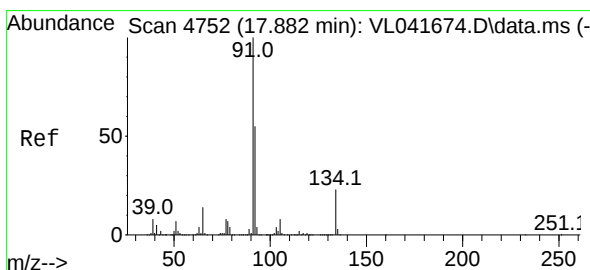
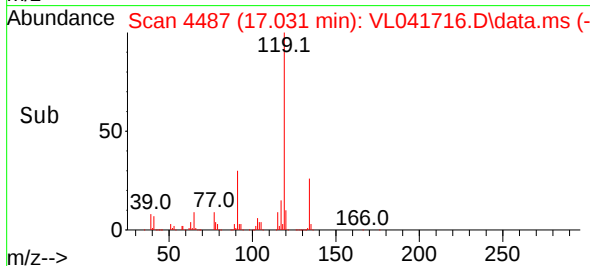
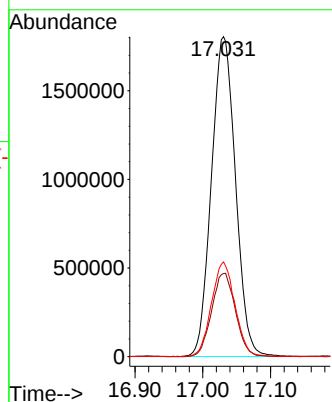
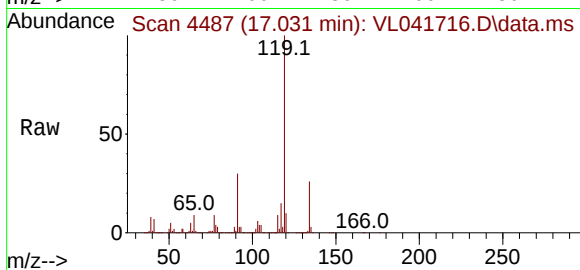
Tgt Ion:119 Resp: 4453669

Ion Ratio Lower Upper

119 100

134 25.8 20.8 31.2

91 28.9 23.2 34.8



#70

n-Butylbenzene

Concen: 10.855 ppbv

RT: 17.921 min Scan# 4764

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

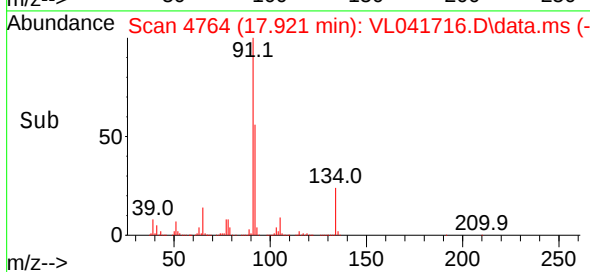
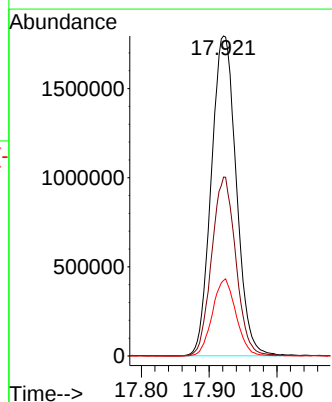
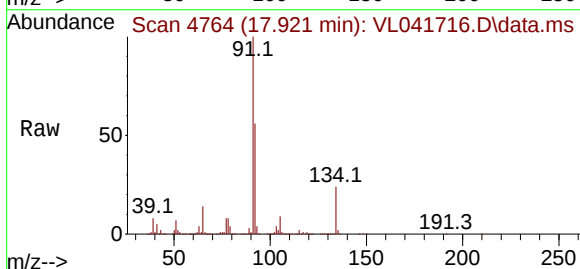
Tgt Ion: 91 Resp: 4594843

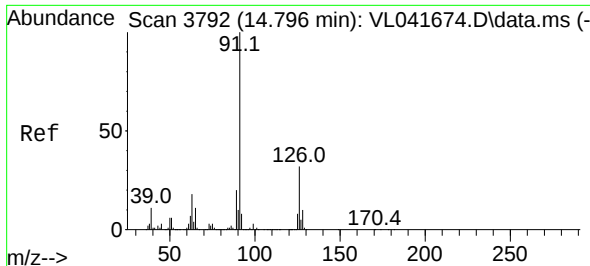
Ion Ratio Lower Upper

91 100

92 54.2 43.3 64.9

134 22.9 18.4 27.6

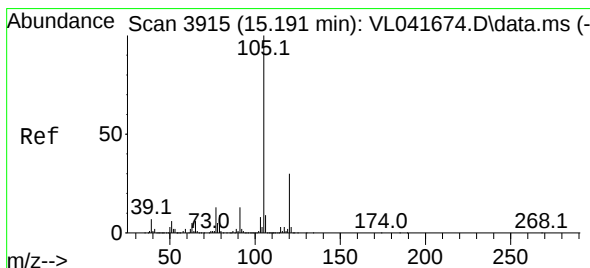
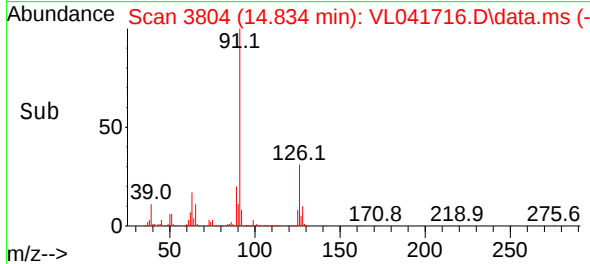
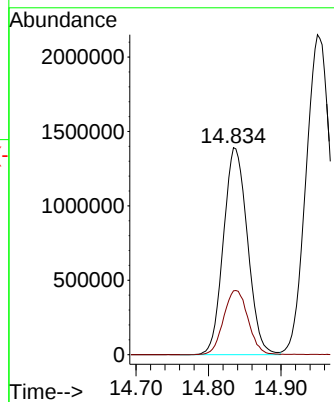
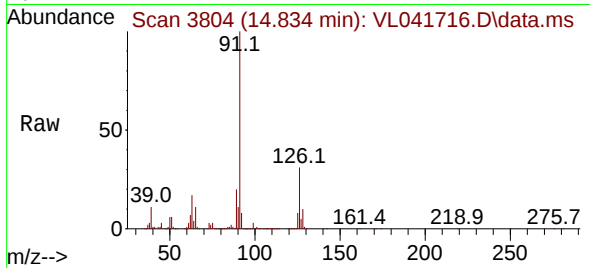




#71
2-Chlorotoluene
Concen: 10.977 ppbv
RT: 14.834 min Scan# 3804
Delta R.T. 0.003 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

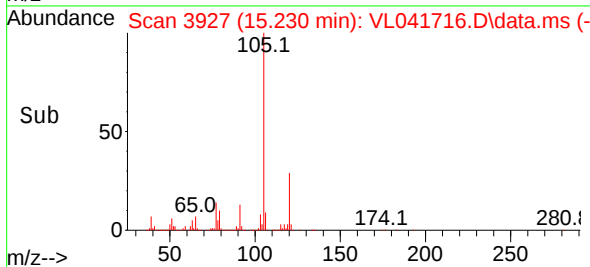
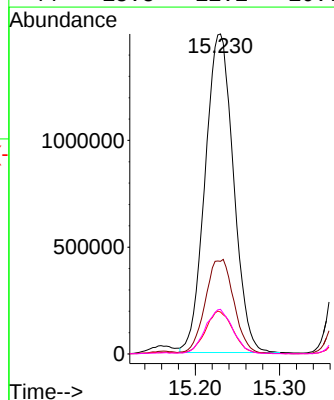
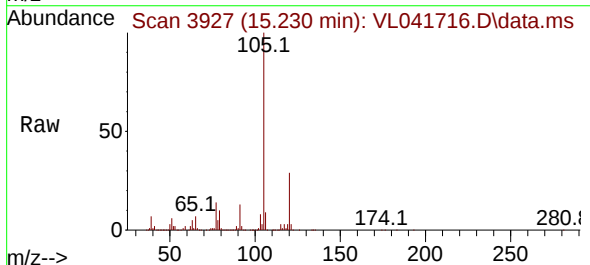
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

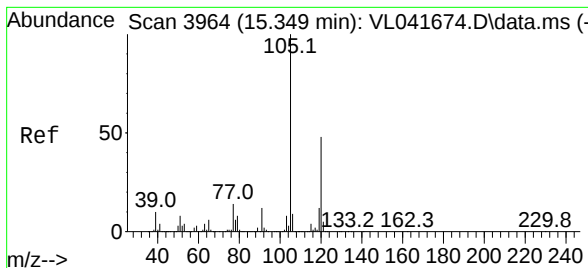
Tgt Ion: 91 Resp: 3205329
Ion Ratio Lower Upper
91 100
126 31.8 12.8 51.0



#72
4-Ethyltoluene
Concen: 11.461 ppbv
RT: 15.230 min Scan# 3927
Delta R.T. 0.006 min
Lab File: VL041716.D
Acq: 21 Nov 2024 15:46

Tgt Ion:105 Resp: 3485346
Ion Ratio Lower Upper
105 100
120 31.1 25.0 37.4
91 13.9 10.6 15.8
77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 11.222 ppbv

RT: 15.387 min Scan# 3964

Delta R.T. 0.006 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

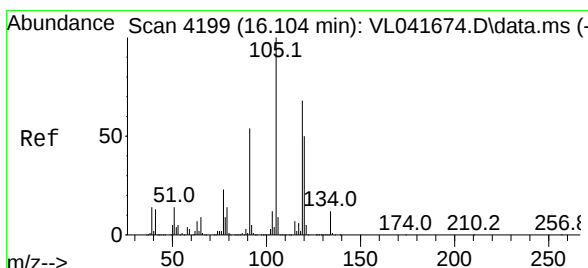
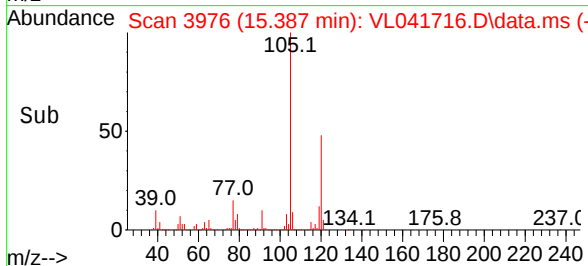
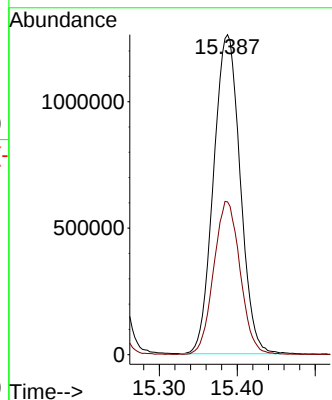
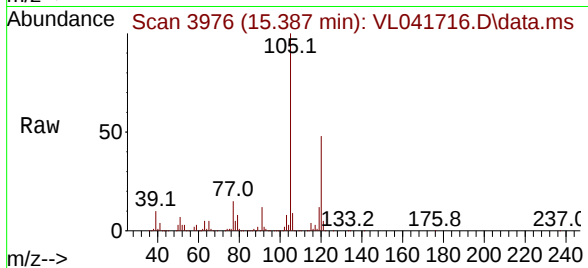
VSTDCCC010EC

Tgt Ion:105 Resp: 2994754

Ion Ratio Lower Upper

105 100

120 47.7 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 10.773 ppbv

RT: 16.143 min Scan# 4211

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Tgt Ion:105 Resp: 3339224

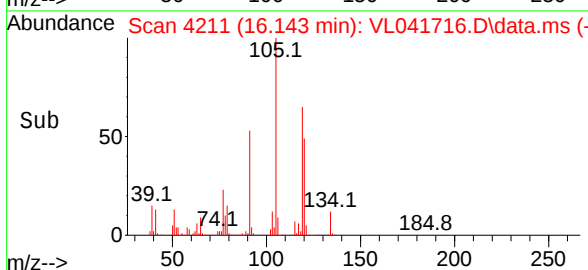
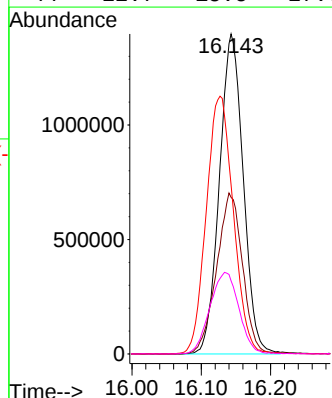
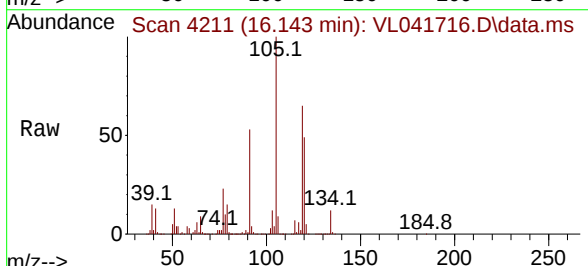
Ion Ratio Lower Upper

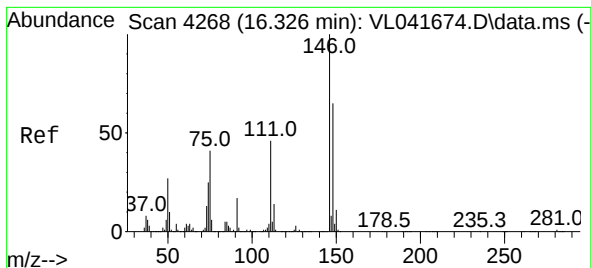
105 100

120 48.9 39.8 59.8

91 52.6 43.2 64.8

77 22.7 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 10.643 ppbv

RT: 16.365 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

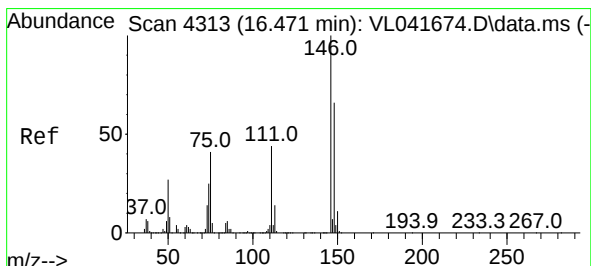
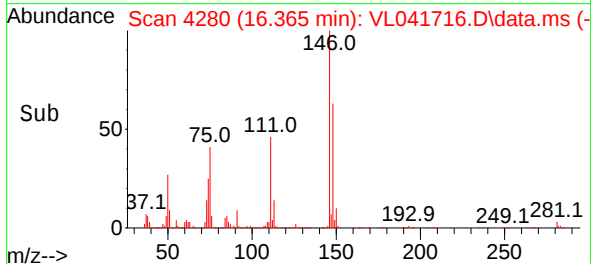
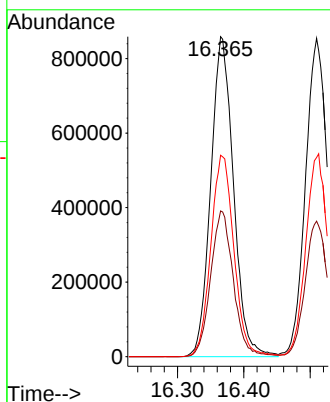
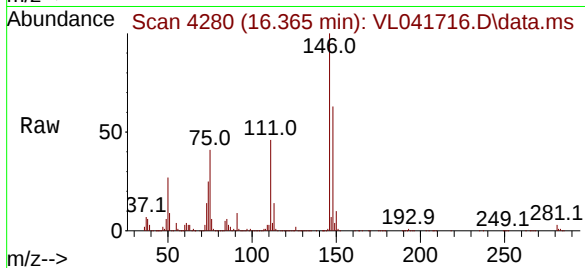
Tgt Ion:146 Resp: 2043094

Ion Ratio Lower Upper

146 100

111 45.5 22.8 68.3

148 64.2 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 10.759 ppbv

RT: 16.510 min Scan# 4325

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

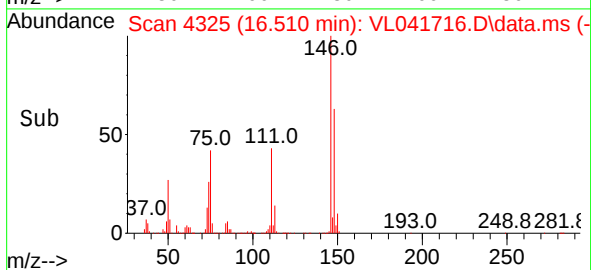
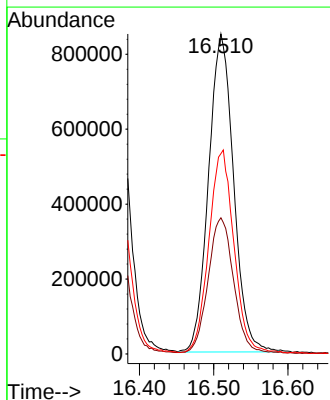
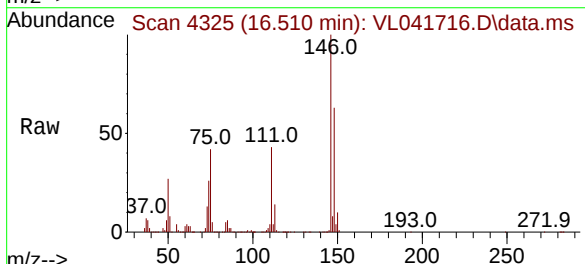
Tgt Ion:146 Resp: 1992823

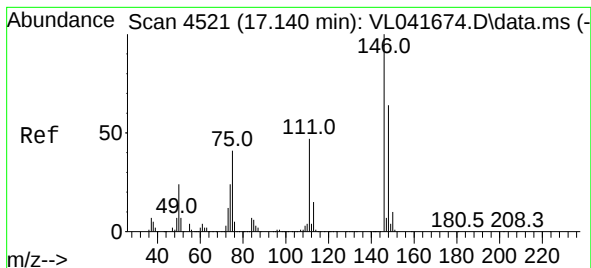
Ion Ratio Lower Upper

146 100

111 44.4 22.1 66.3

148 64.8 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 10.558 ppbv

RT: 17.178 min Scan# 4533

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

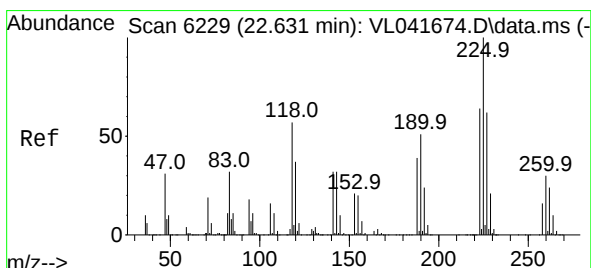
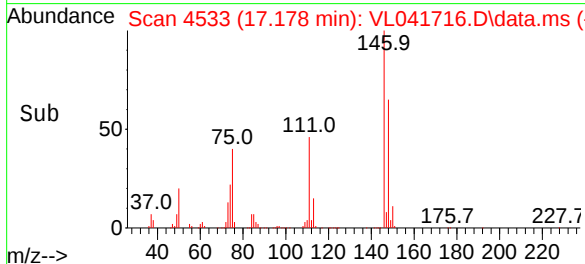
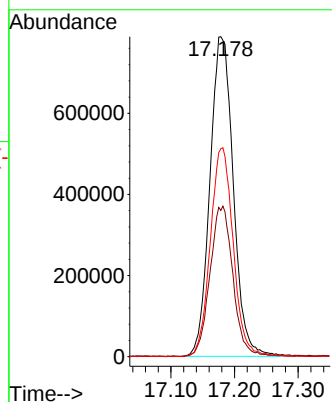
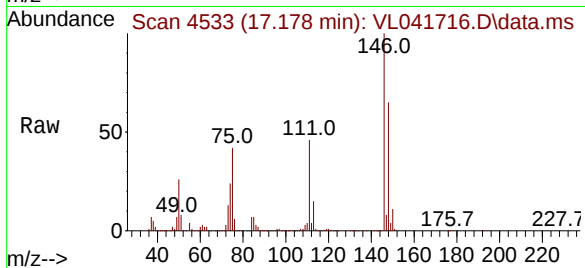
Tgt Ion:146 Resp: 2007849

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.3

148 64.4 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 9.288 ppbv

RT: 22.673 min Scan# 6242

Delta R.T. 0.010 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

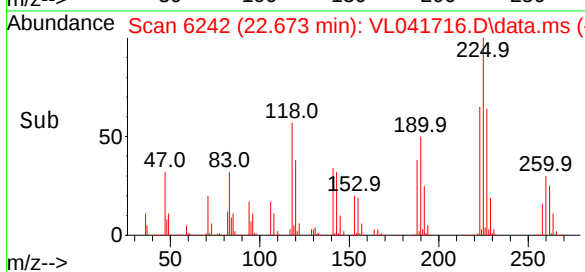
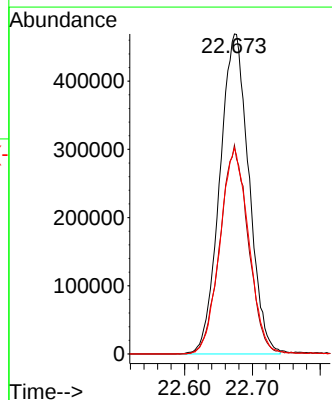
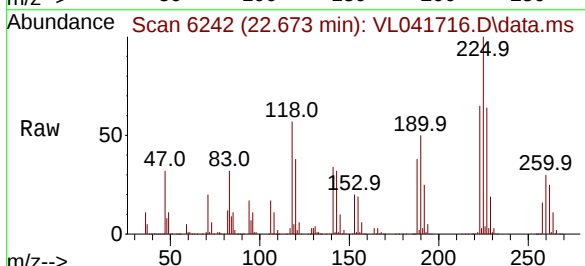
Tgt Ion:225 Resp: 1396945

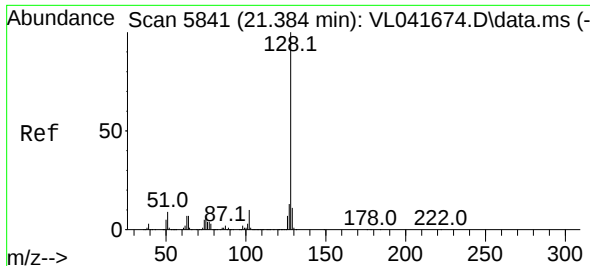
Ion Ratio Lower Upper

225 100

223 63.6 51.1 76.7

227 64.1 51.3 76.9





#79

Naphthalene

Concen: 14.775 ppbv

RT: 21.423 min Scan# 5853

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010EC

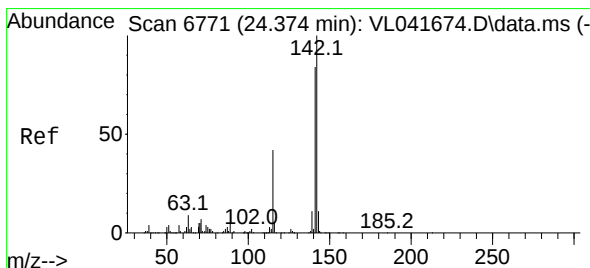
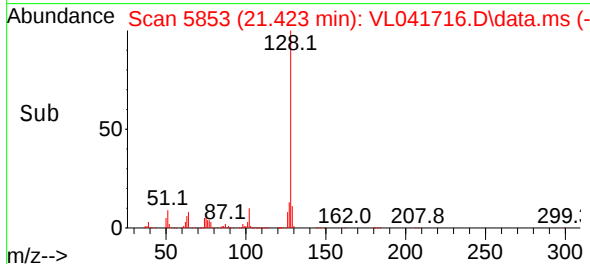
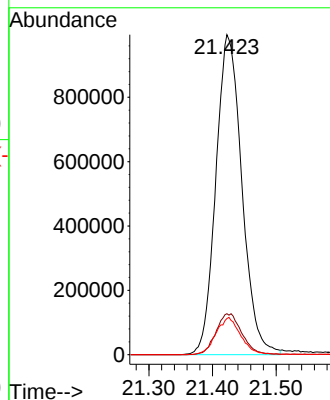
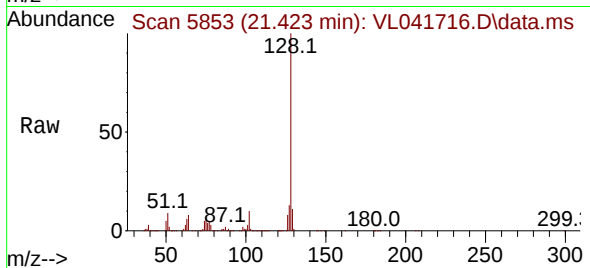
Tgt Ion:128 Resp: 2826909

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 11.3 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 32.345 ppbv

RT: 24.403 min Scan# 6780

Delta R.T. 0.003 min

Lab File: VL041716.D

Acq: 21 Nov 2024 15:46

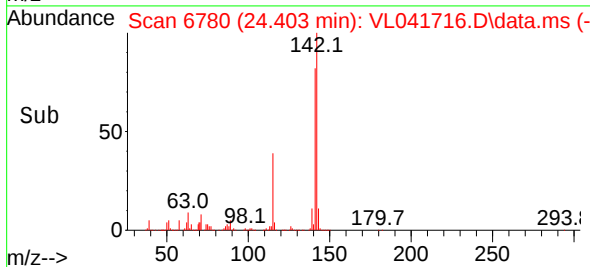
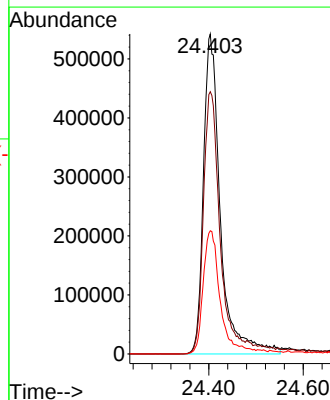
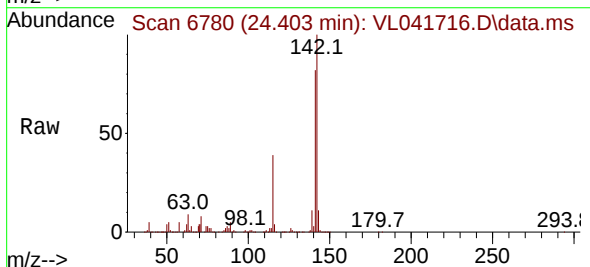
Tgt Ion:142 Resp: 1349060

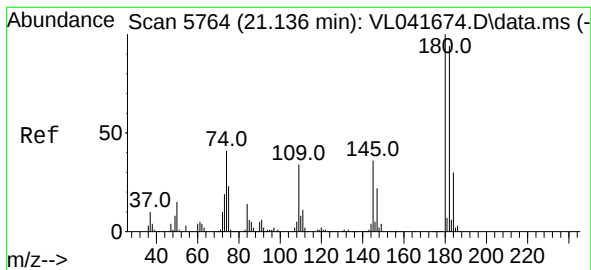
Ion Ratio Lower Upper

142 100

141 85.7 68.1 102.1

115 40.0 33.1 49.7





#81
 1,2,4-Trichlorobenzene
 Concen: 12.175 ppbv
 RT: 21.178 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL041716.D
 Acq: 21 Nov 2024 15:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1464975

Ion	Ratio	Lower	Upper
180	100		
182	97.2	78.2	117.2
184	31.0	25.0	37.4

