

Data File : VW011421.D
Acq On : 22 Jul 2019 15:12
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

Quant Time: Jul 23 04:38:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis
QLast Update : Mon Jul 22 14:39:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	436908	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	385861	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	185741	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	135582	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.00%
7) Chloroethane-d5	2.89	69	101762	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
10) 1,1-Dichloroethene-d2	4.03	63	319330	24.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.68%
20) 2-Butanone-d5	7.07	46	109201	43.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.92%
24) Chloroform-d	7.65	84	264589	23.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	8.31	65	155332	23.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.40%
29) Benzene-d6	8.27	84	550014	23.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.32%
33) 1,2-Dichloropropane-d6	9.27	67	176941	23.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.64%
37) Toluene-d8	10.32	98	492321	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.20%
38) trans-1,3-Dichloropropene-	10.58	79	77257	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.68%
39) 2-Hexanone-d5	10.92	63	77832	48.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	139436	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	164444	23.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	153785	28.855 ug/L	98
3) Chloromethane	2.21	50	164329	25.412 ug/L	99
5) Vinyl chloride	2.36	62	199205	26.157 ug/L	100
6) Bromomethane	2.78	94	94609	25.732 ug/L	99
8) Chloroethane	2.92	64	105846	26.100 ug/L	98
9) Trichlorofluoromethane	3.26	101	95639	26.403 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	152679	26.264 ug/L	99
12) 1,1-Dichloroethene	4.04	96	151407	26.090 ug/L	96
13) Acetone	4.12	43	135735	51.655 ug/L	100
14) Carbon disulfide	4.39	76	488210	25.947 ug/L	99
15) Methyl Acetate	4.67	43	98673	24.455 ug/L	100
16) Methylene chloride	4.92	84	156768	24.649 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	233254	25.423 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	152646	25.507 ug/L	99
19) 1,1-Dichloroethane	6.21	63	304138	25.586 ug/L	98
21) 2-Butanone	7.17	43	165820	49.104 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	161659	25.500 ug/L	100

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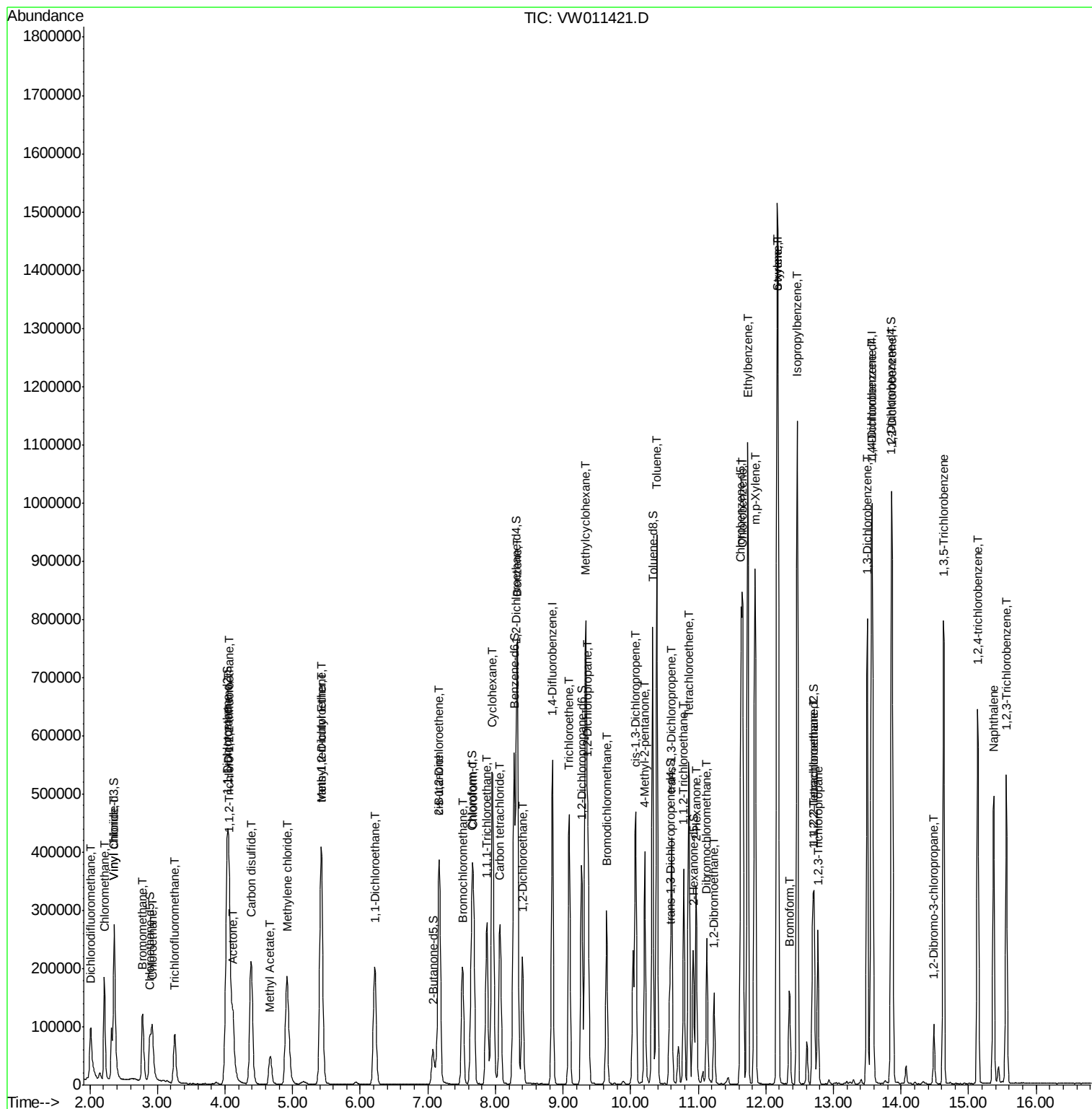
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66073	24.937	ug/L	97
25) Chloroform	7.68	83	276538	25.255	ug/L	100
27) 1,2-Dichloroethane	8.40	62	199468	24.993	ug/L	100
30) Cyclohexane	7.96	56	327243	26.036	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	219911	25.603	ug/L	99
32) Carbon tetrachloride	8.07	117	207965	26.054	ug/L	100
34) Benzene	8.32	78	639590	25.535	ug/L	100
35) Trichloroethene	9.09	95	162430	25.514	ug/L	99
36) Methylcyclohexane	9.34	83	302844	26.161	ug/L	99
40) 1,2-Dichloropropane	9.37	63	169827	25.236	ug/L	100
41) Bromodichloromethane	9.65	83	197425	25.092	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	260491	25.765	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	280054	48.612	ug/L	99
44) Toluene	10.39	91	663186	25.813	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	211451	25.449	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	110918	24.624	ug/L	99
47) Tetrachloroethene	10.87	164	124007	25.390	ug/L	94
49) 2-Hexanone	10.97	43	228841	52.624	ug/L	98
50) Dibromochloromethane	11.13	129	127238	25.518	ug/L	99
51) 1,2-Dibromoethane	11.23	107	109779	25.200	ug/L	97
52) Chlorobenzene	11.66	112	394341	25.452	ug/L	99
53) Ethylbenzene	11.73	91	744376	25.744	ug/L	100
54) m,p-Xylene	11.84	106	272211	25.705	ug/L	100
55) o-xylene	12.16	106	259161	25.966	ug/L	100
56) Styrene	12.18	104	445067	26.508	ug/L	98
57) Isopropylbenzene	12.46	105	713632	26.250	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	145321	24.835	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	109082	24.399	ug/L	100
62) Bromoform	12.35	173	72917	24.803	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	305955	26.013	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	305267	25.553	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	278718	25.754	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25248	24.475	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	237629	26.484	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	199897	26.882	ug/L	100
69) Naphthalene	15.37	128	404118	26.698	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	179950	26.712	ug/L	99

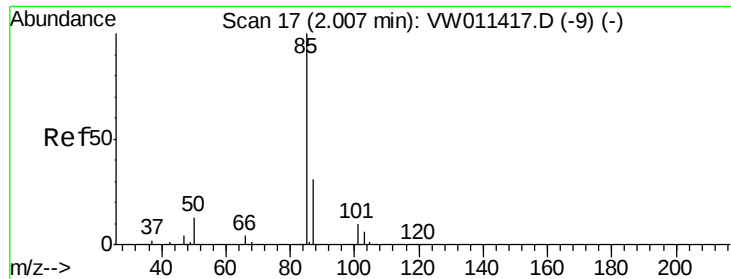
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.855 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

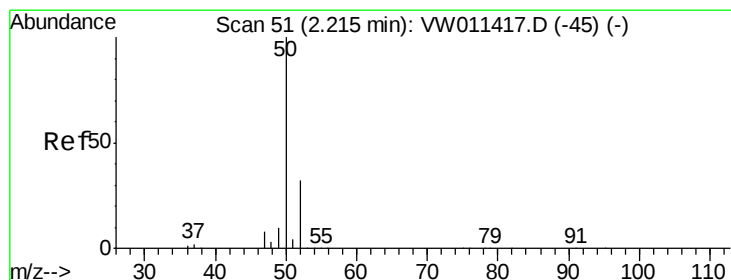
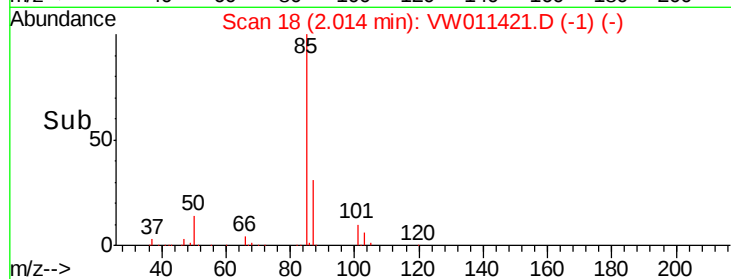
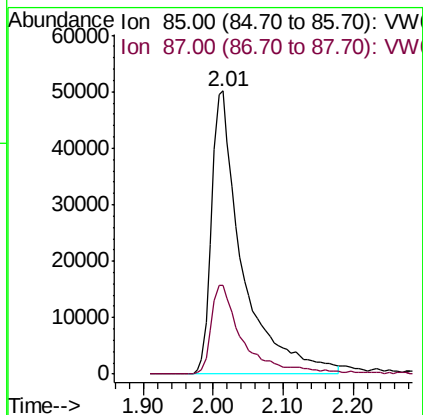
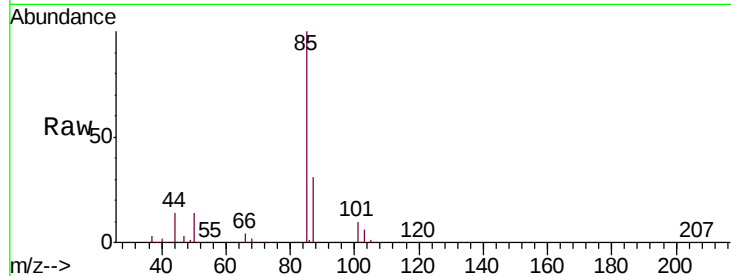
VSTD02515

Tgt Ion: 85 Resp: 153785

Ion Ratio Lower Upper

85 100

87 30.3 20.6 38.2



#3

Chloromethane

Concen: 25.412 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW011421.D

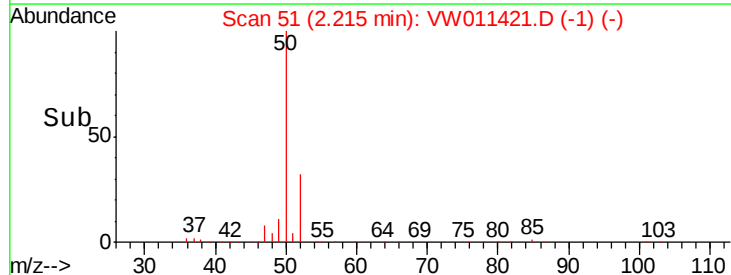
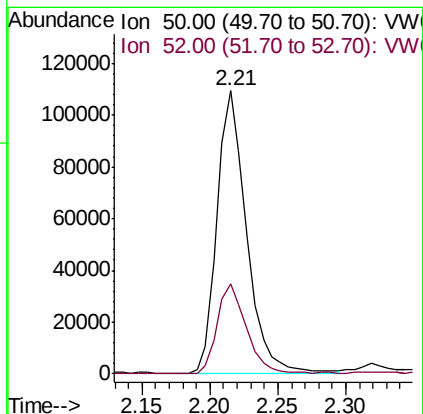
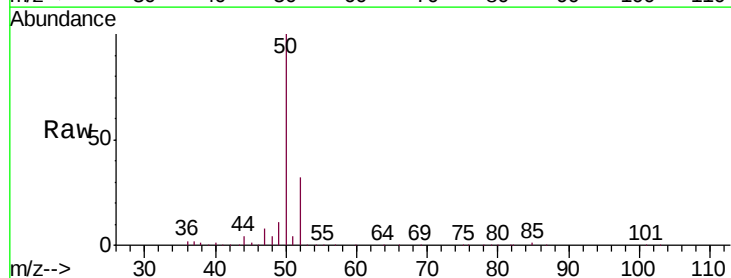
Acq: 22 Jul 2019 15:12

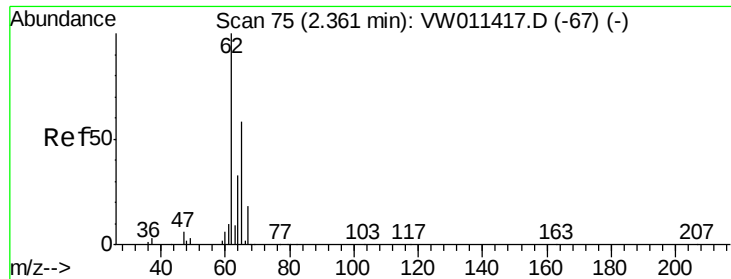
Tgt Ion: 50 Resp: 164329

Ion Ratio Lower Upper

50 100

52 31.8 22.0 41.0





#5

Vinyl chloride

Concen: 26.157 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

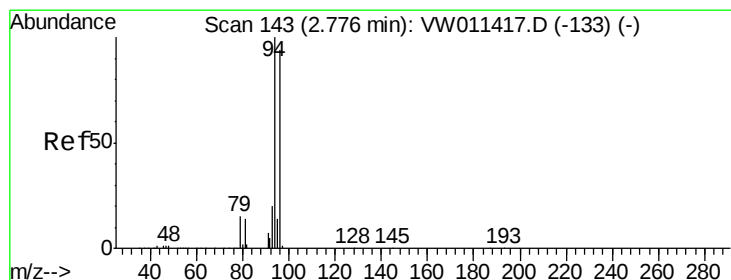
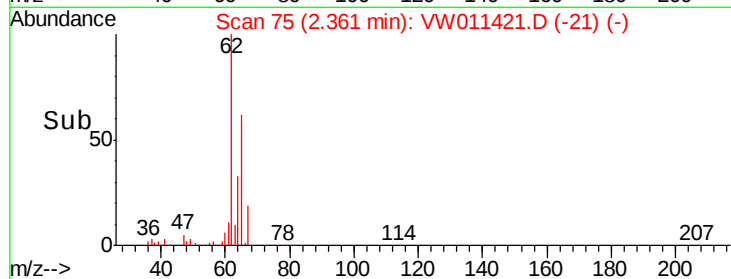
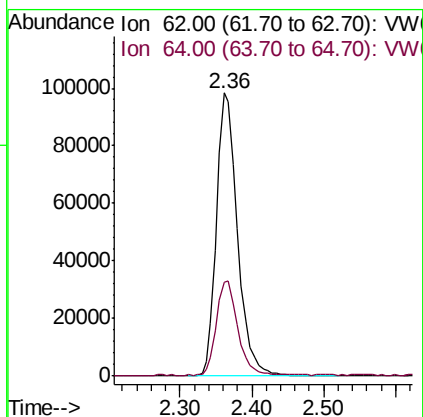
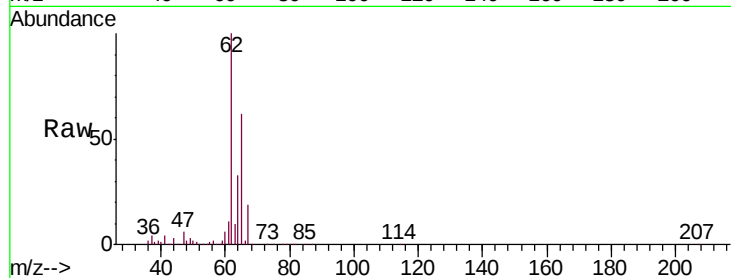
VSTD02515

Tgt Ion: 62 Resp: 199205

Ion Ratio Lower Upper

62 100

64 33.2 23.3 43.3



#6

Bromomethane

Concen: 25.732 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW011421.D

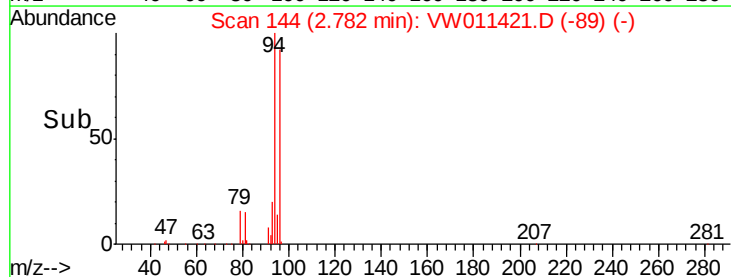
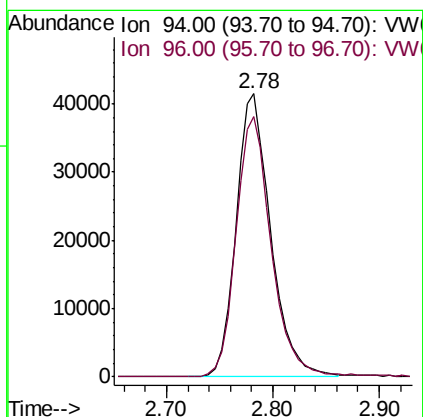
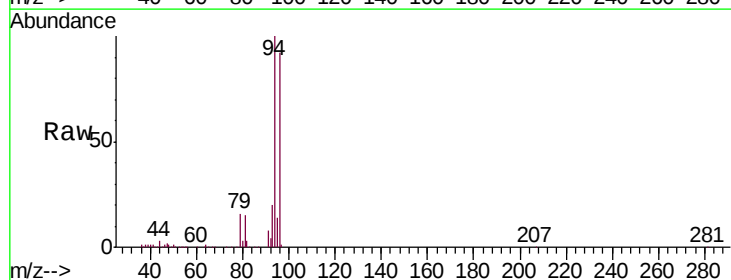
Acq: 22 Jul 2019 15:12

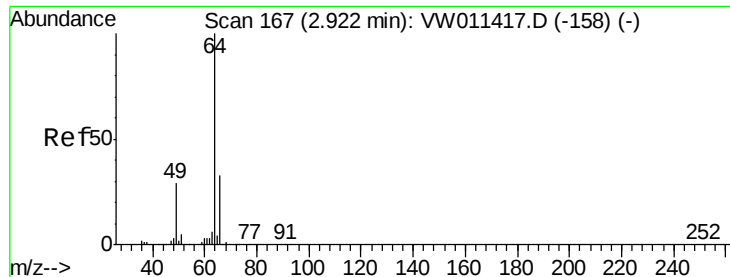
Tgt Ion: 94 Resp: 94609

Ion Ratio Lower Upper

94 100

96 93.2 9.4 178.8





#8

Chloroethane

Concen: 26.100 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

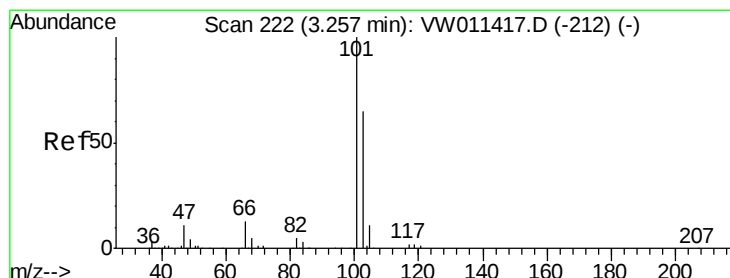
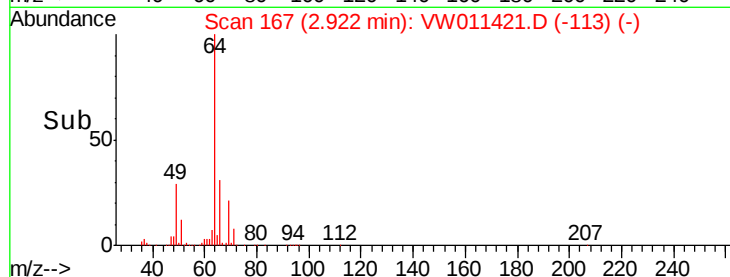
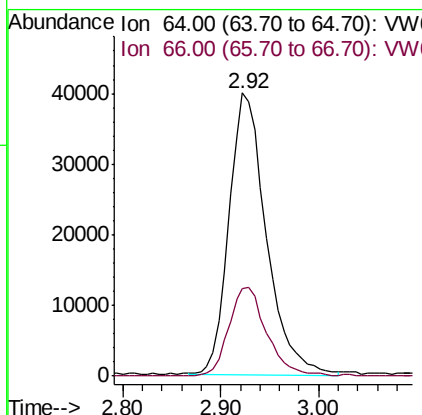
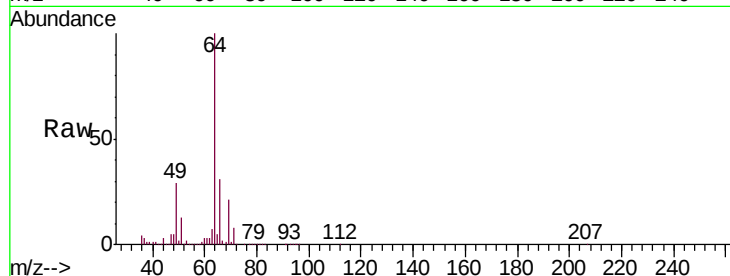
VSTD02515

Tgt Ion: 64 Resp: 105846

Ion Ratio Lower Upper

64 100

66 31.1 22.7 42.3



#9

Trichlorofluoromethane

Concen: 26.403 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW011421.D

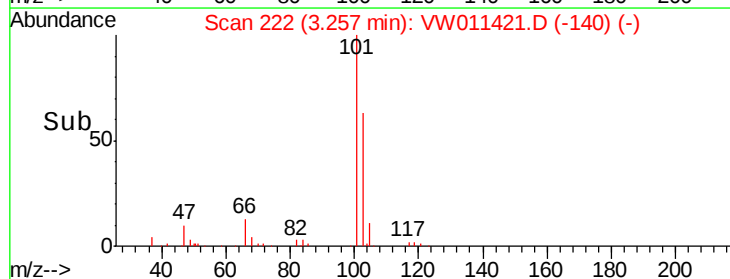
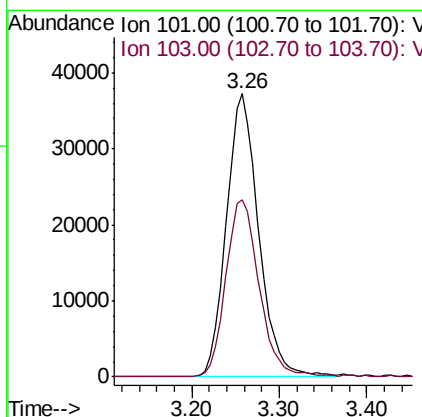
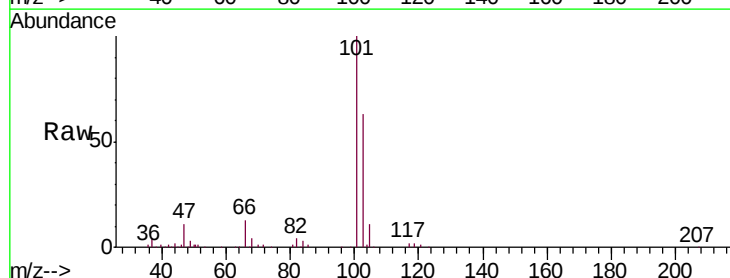
Acq: 22 Jul 2019 15:12

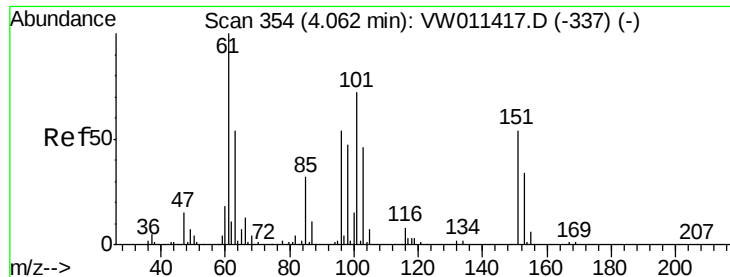
Tgt Ion: 101 Resp: 95639

Ion Ratio Lower Upper

101 100

103 64.6 45.2 84.0





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 26.264 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

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ClientSampleId :

VSTD02515

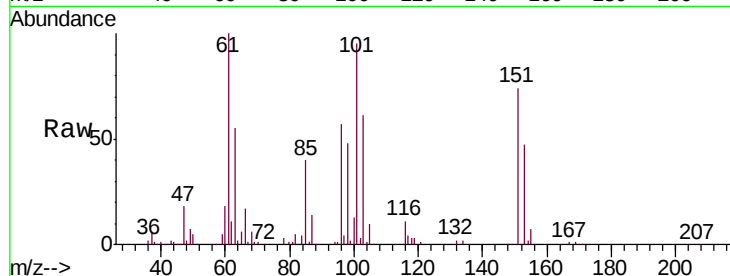
Tgt Ion: 101 Resp: 152679

Ion Ratio Lower Upper

101 100

85 42.9 35.2 52.8

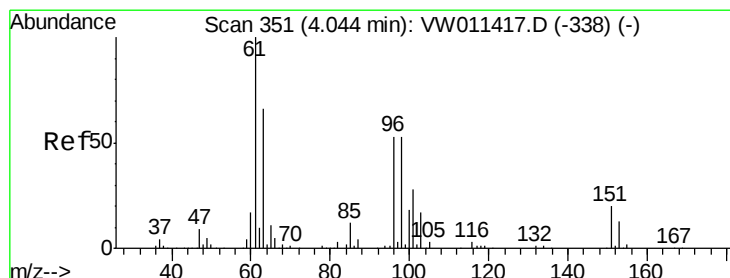
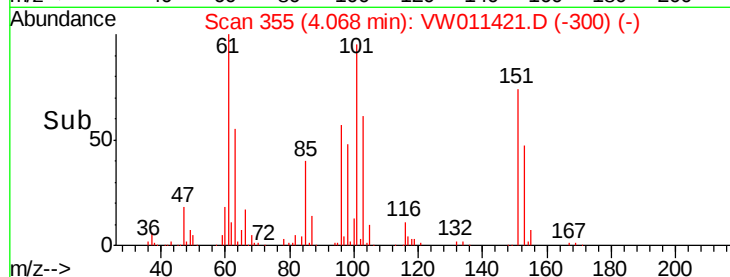
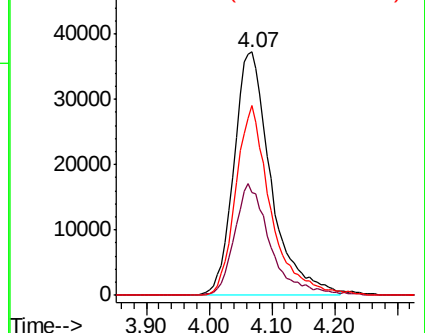
151 73.1 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.090 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

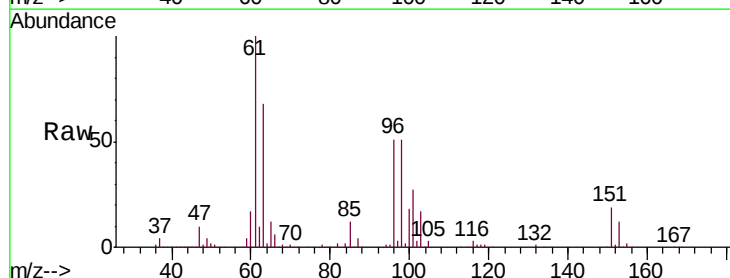
Tgt Ion: 96 Resp: 151407

Ion Ratio Lower Upper

96 100

61 194.9 133.2 247.4

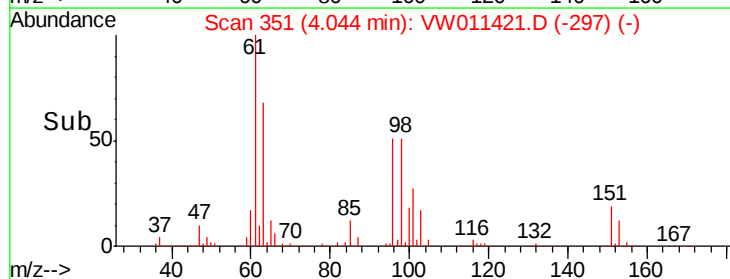
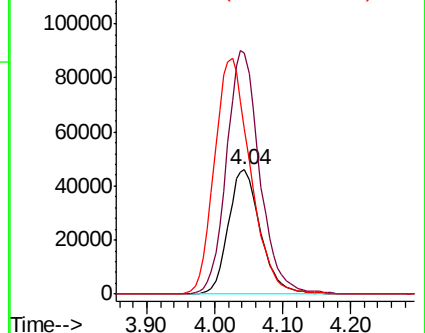
63 133.4 89.9 166.9

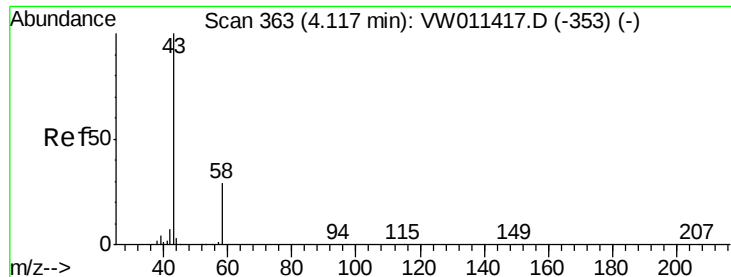


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

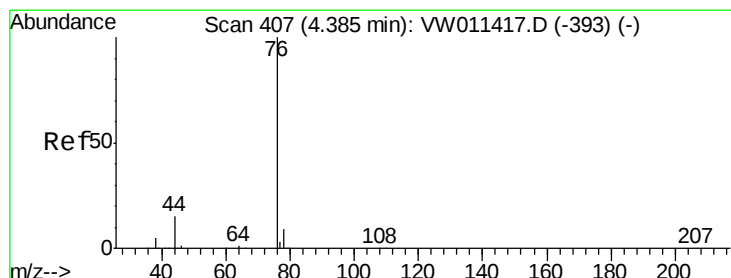
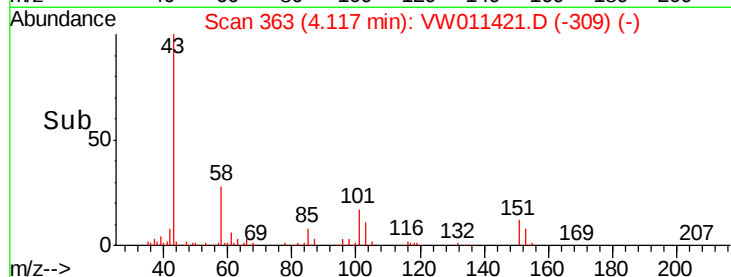
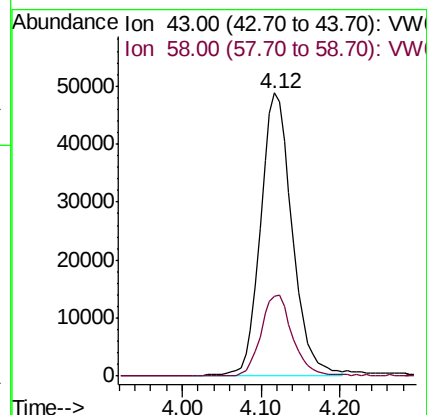
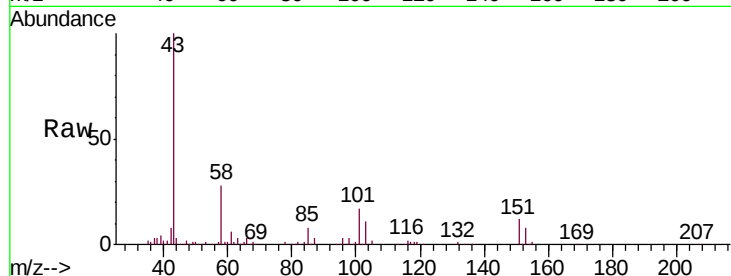




#13
Acetone
Concen: 51.655 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW011421.D
Acq: 22 Jul 2019 15:12

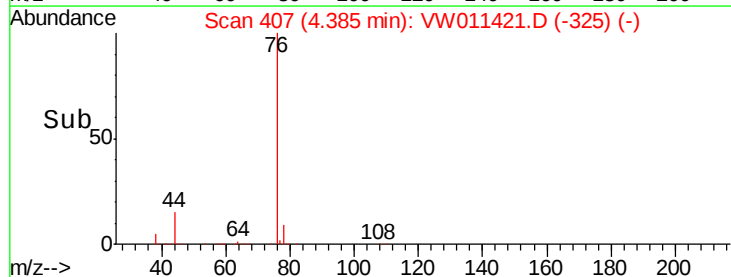
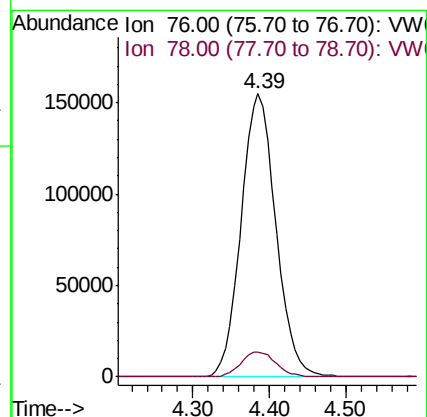
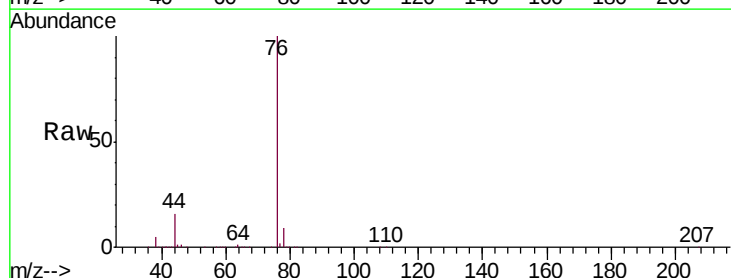
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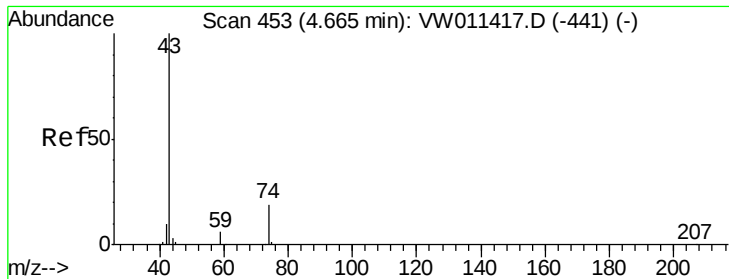
Tgt Ion: 43 Resp: 135735
Ion Ratio Lower Upper
43 100
58 28.5 0.0 57.2



#14
Carbon disulfide
Concen: 25.947 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW011421.D
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Tgt Ion: 76 Resp: 488210
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

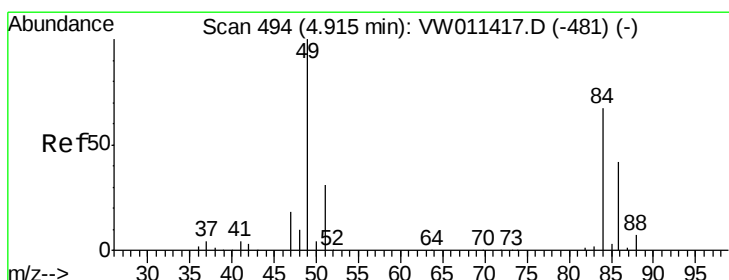
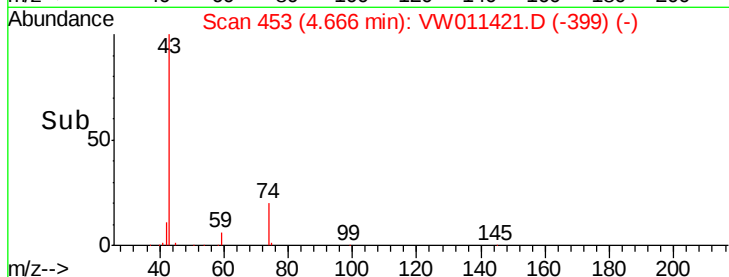
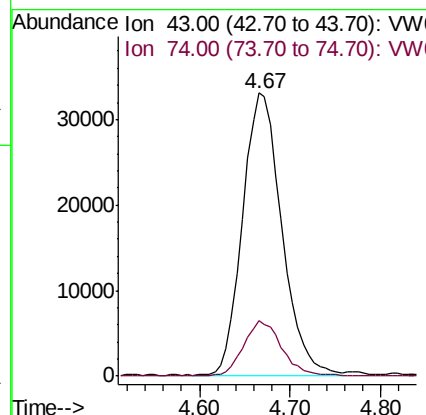
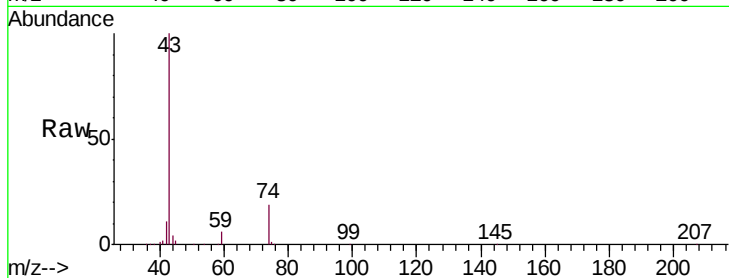




#15
Methyl Acetate
Concen: 24.455 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011421.D
Acq: 22 Jul 2019 15:12

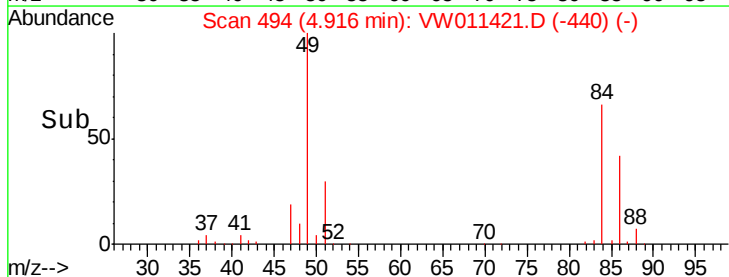
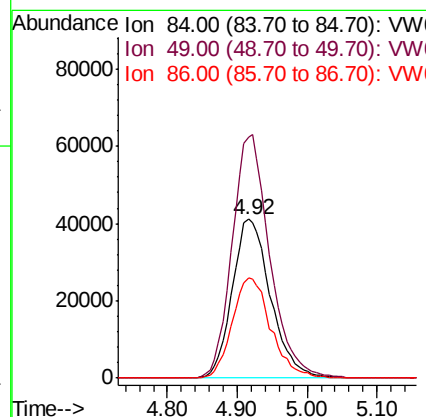
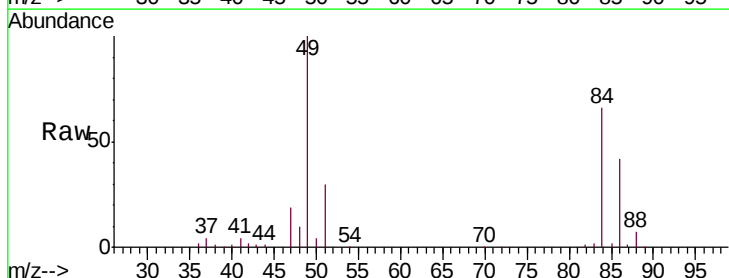
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

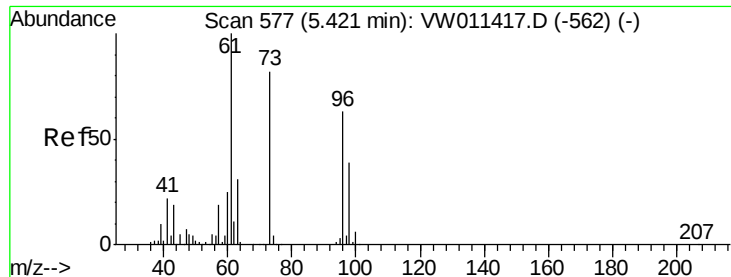
Tgt Ion: 43 Resp: 98673
Ion Ratio Lower Upper
43 100
74 18.9 15.2 22.8



#16
Methylene chloride
Concen: 24.649 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011421.D
Acq: 22 Jul 2019 15:12

Tgt Ion: 84 Resp: 156768
Ion Ratio Lower Upper
84 100
49 151.3 104.0 193.2
86 63.4 44.0 81.8

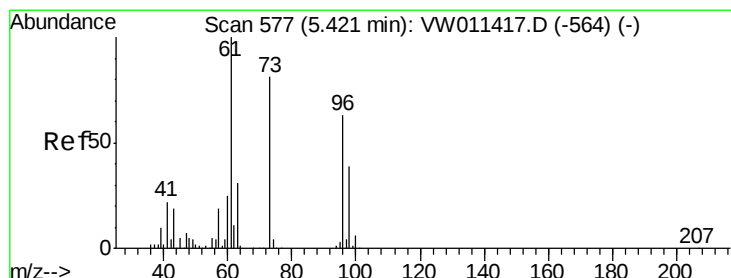
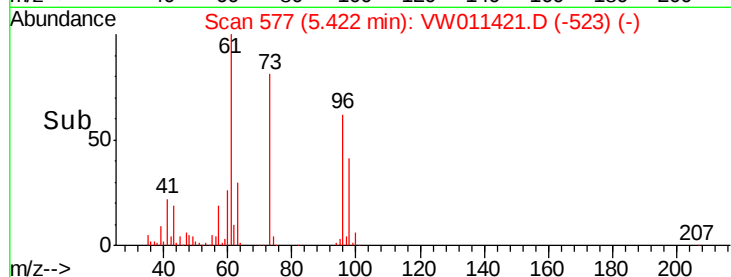
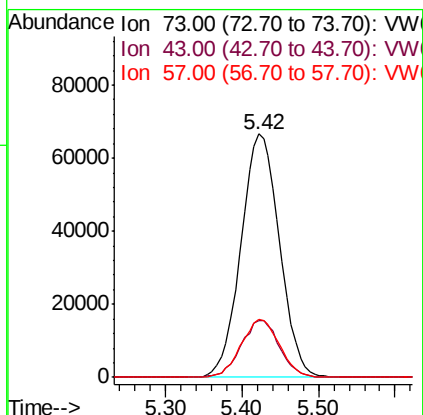
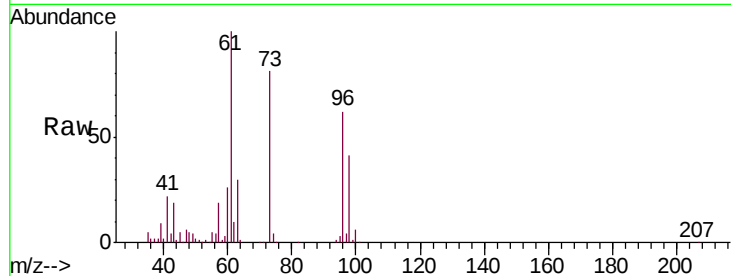




#17
Methyl tert-butyl Ether
Concen: 25.423 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011421.D
Acq: 22 Jul 2019 15:12

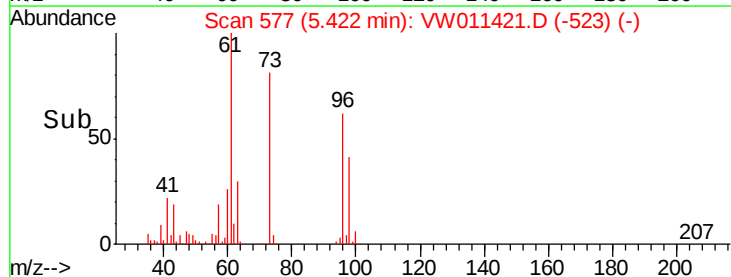
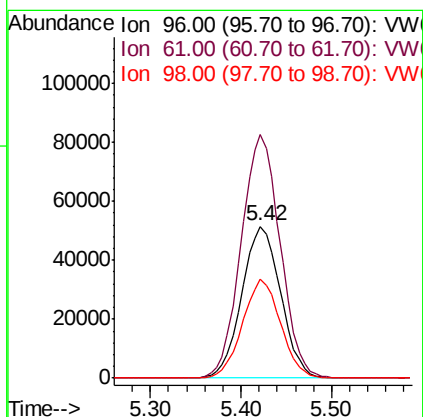
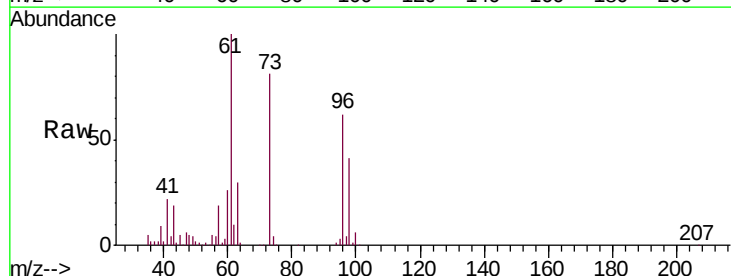
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

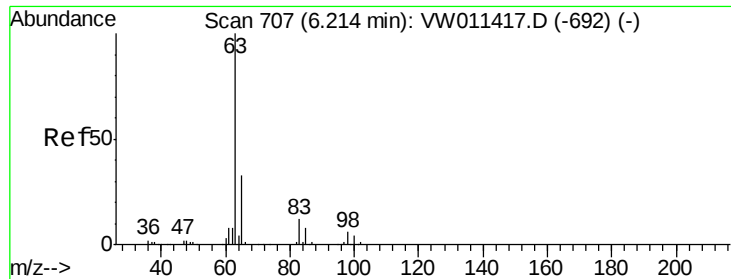
Tgt Ion: 73 Resp: 233254
Ion Ratio Lower Upper
73 100
43 23.3 19.0 28.4
57 23.9 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 25.507 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011421.D
Acq: 22 Jul 2019 15:12

Tgt Ion: 96 Resp: 152646
Ion Ratio Lower Upper
96 100
61 160.1 111.7 207.5
98 64.9 43.4 80.6

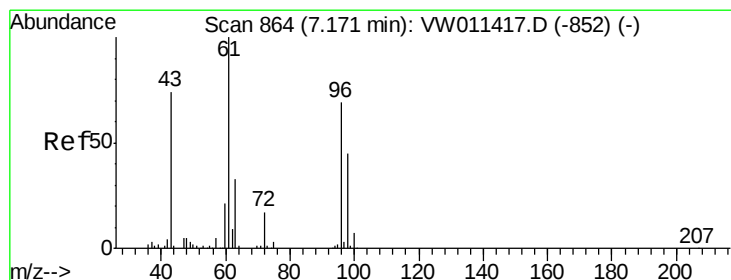
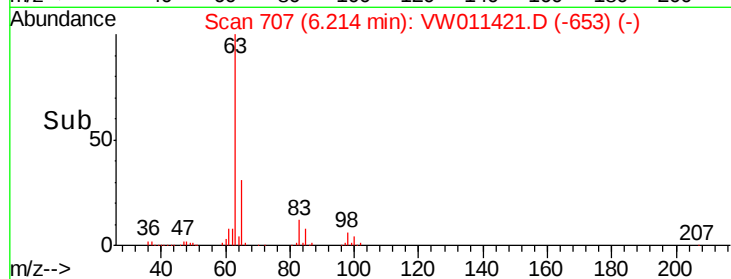
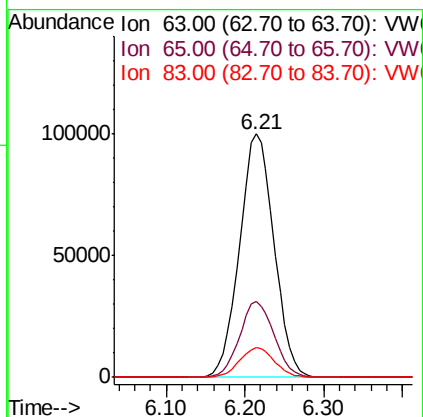
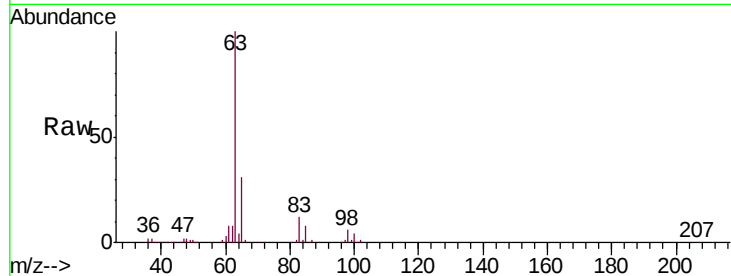




#19
 1,1-Dichloroethane
 Concen: 25.586 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

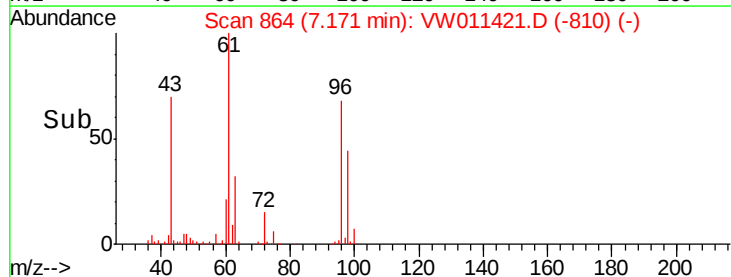
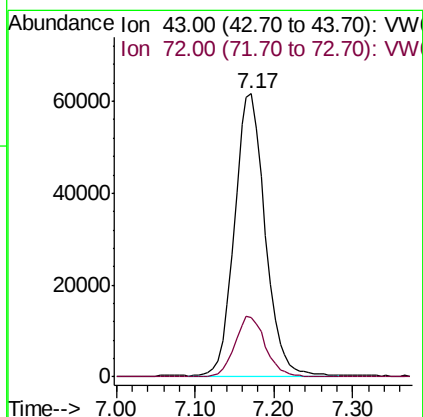
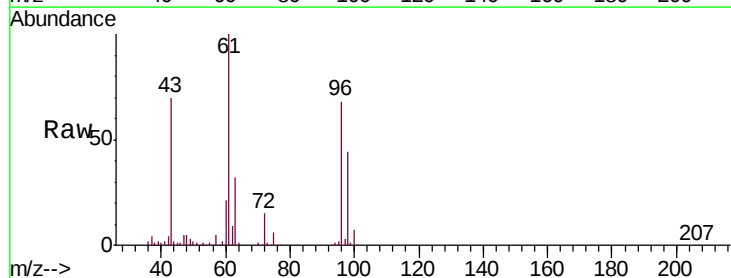
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

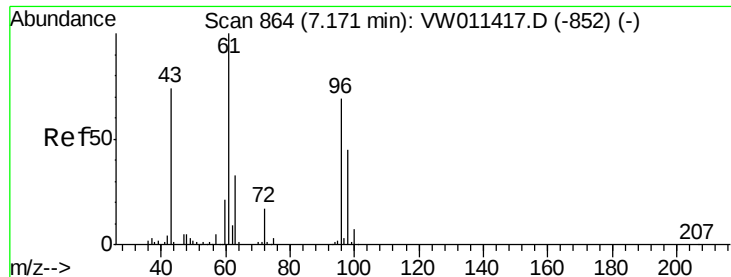
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.8	42.4
83	12.4	8.6	16.0



#21
 2-Butanone
 Concen: 49.104 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.3	10.5	31.6



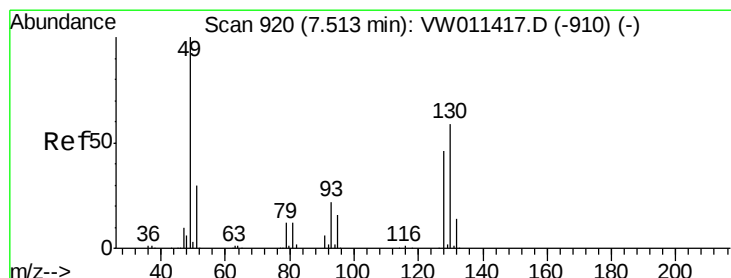
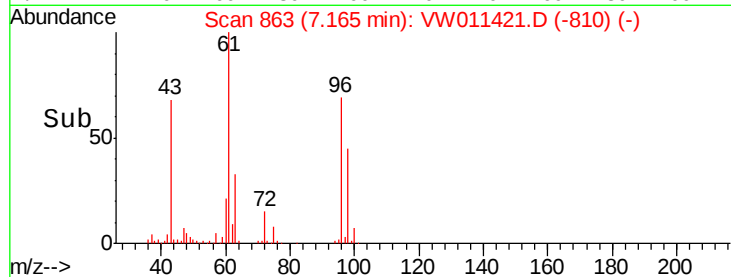
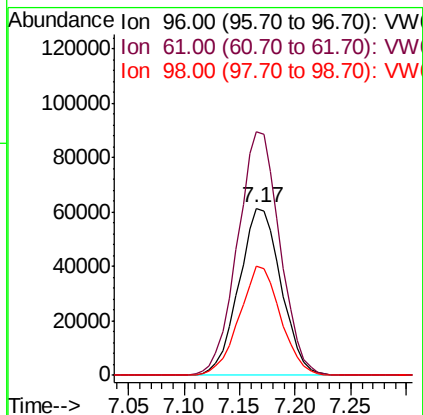
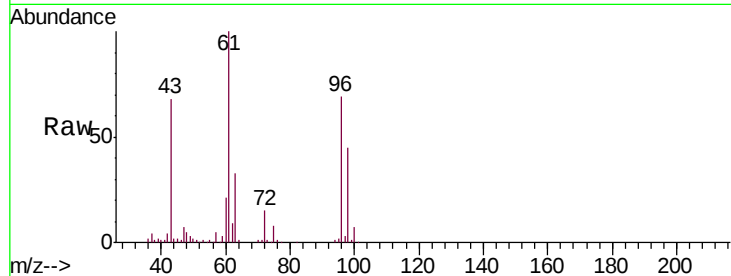


#22

cis-1,2-Dichloroethene
 Concen: 25.500 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

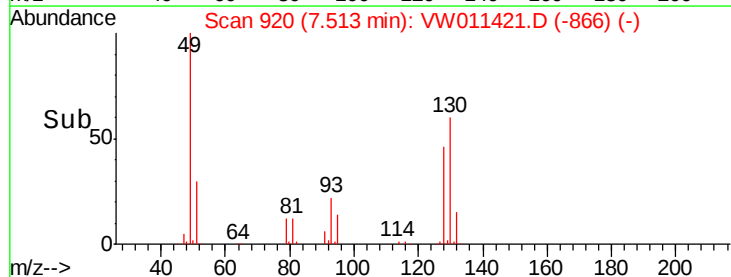
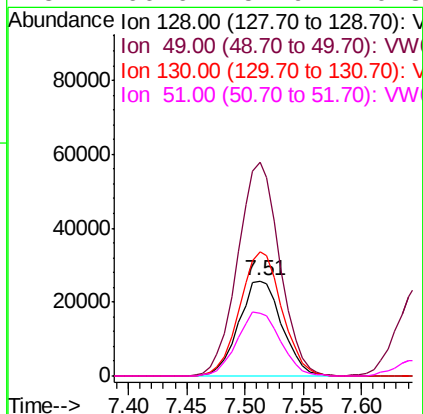
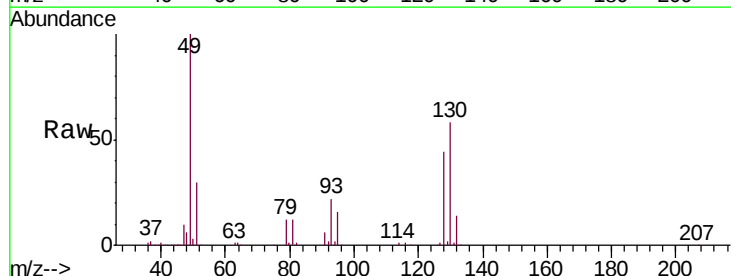
Tgt Ion: 96 Resp: 161659
 Ion Ratio Lower Upper
 96 100
 61 145.9 101.8 189.0
 98 65.2 45.4 84.2

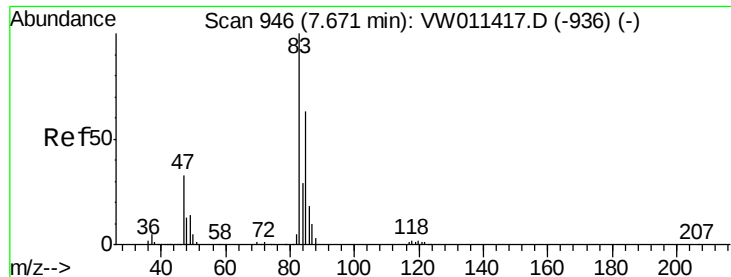


#23

Bromochloromethane
 Concen: 24.937 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

Tgt Ion: 128 Resp: 66073
 Ion Ratio Lower Upper
 128 100
 49 225.5 152.0 282.2
 130 130.5 89.8 166.8
 51 66.6 52.9 79.3





#25

Chloroform

Concen: 25.255 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

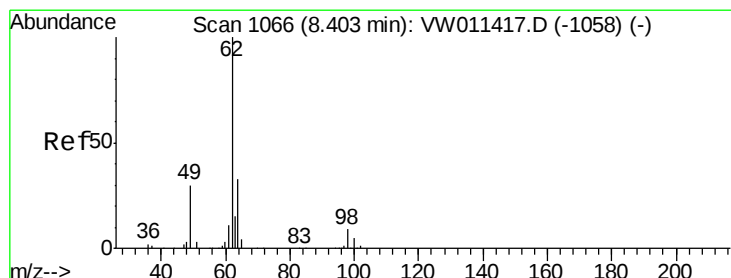
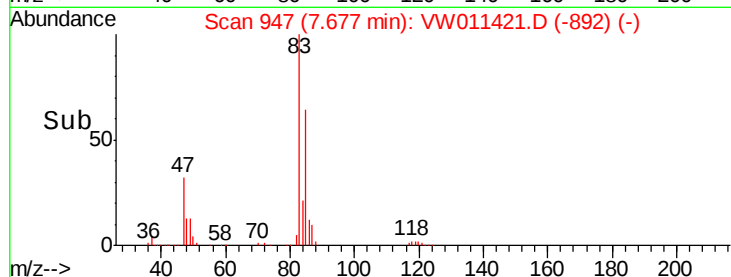
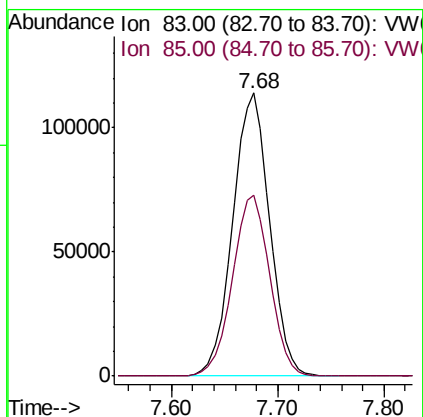
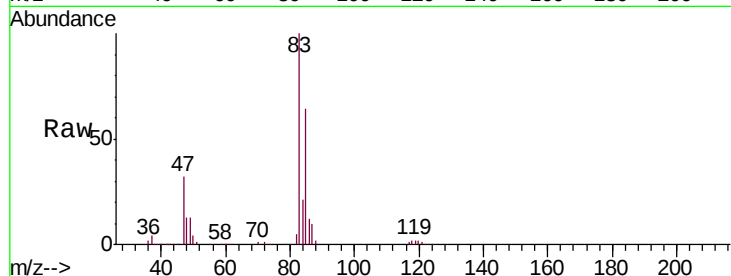
VSTD02515

Tgt Ion: 83 Resp: 276538

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.9



#27

1,2-Dichloroethane

Concen: 24.993 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW011421.D

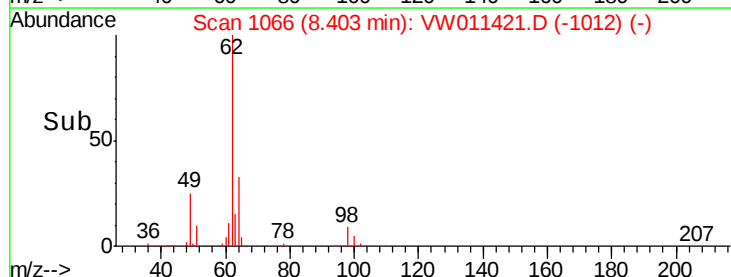
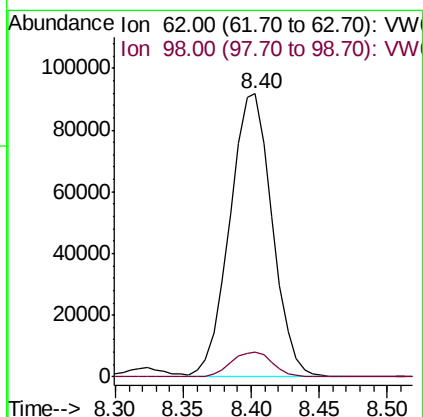
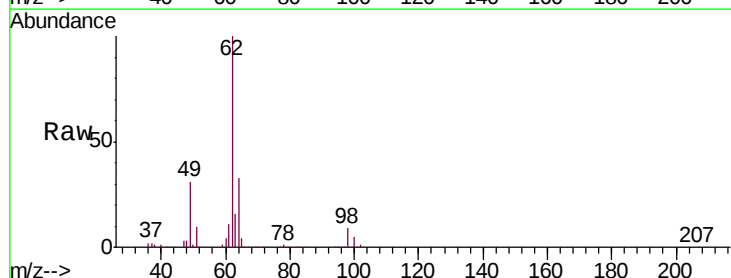
Acq: 22 Jul 2019 15:12

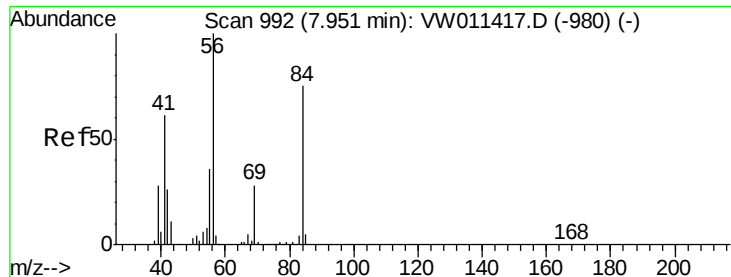
Tgt Ion: 62 Resp: 199468

Ion Ratio Lower Upper

62 100

98 8.7 7.1 10.7

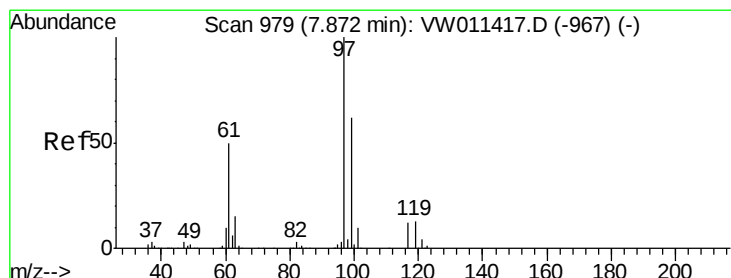
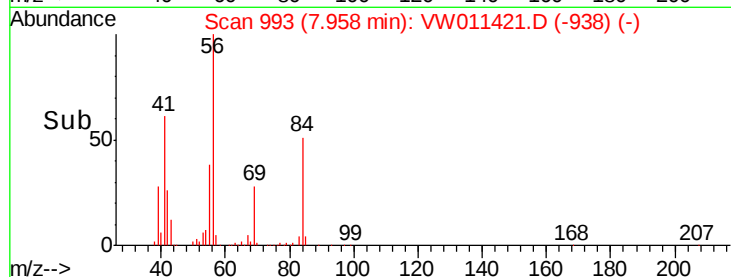
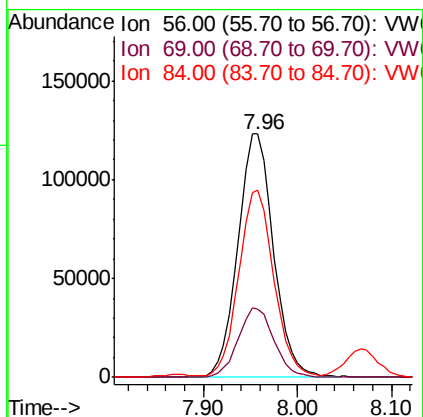
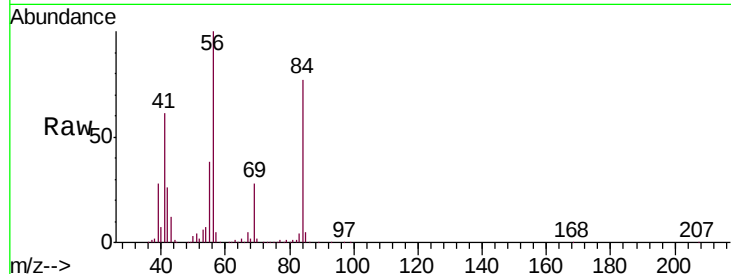




#30
Cyclohexane
Concen: 26.036 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011421.D
Acq: 22 Jul 2019 15:12

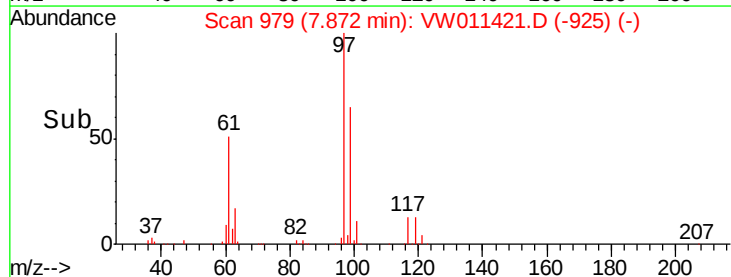
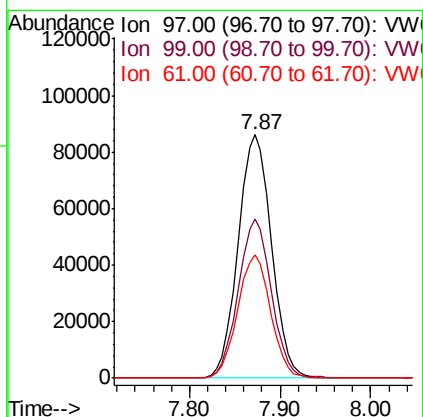
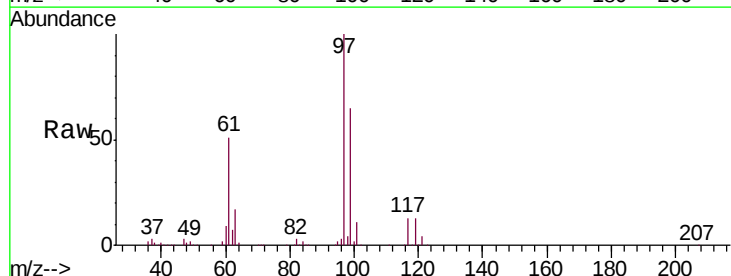
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

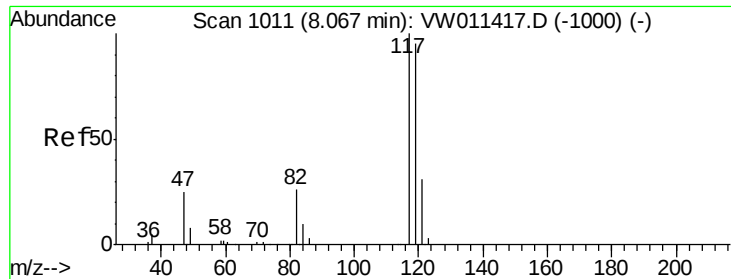
Tgt Ion: 56 Resp: 327243
Ion Ratio Lower Upper
56 100
69 28.5 22.6 34.0
84 75.9 60.4 90.6



#31
1,1,1-Trichloroethane
Concen: 25.603 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011421.D
Acq: 22 Jul 2019 15:12

Tgt Ion: 97 Resp: 219911
Ion Ratio Lower Upper
97 100
99 65.1 51.0 76.6
61 49.9 39.4 59.2





#32

Carbon tetrachloride

Concen: 26.054 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

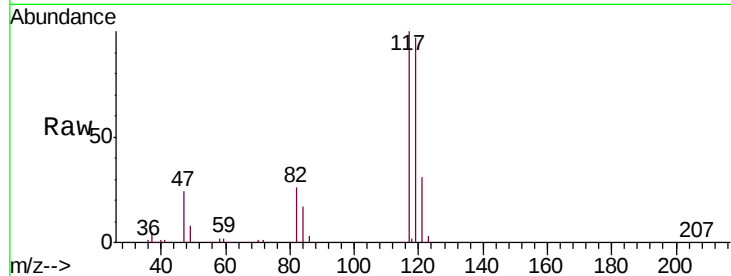
VSTD02515

Tgt Ion:117 Resp: 207965

Ion Ratio Lower Upper

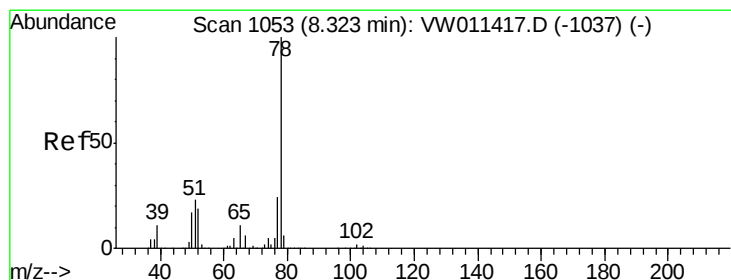
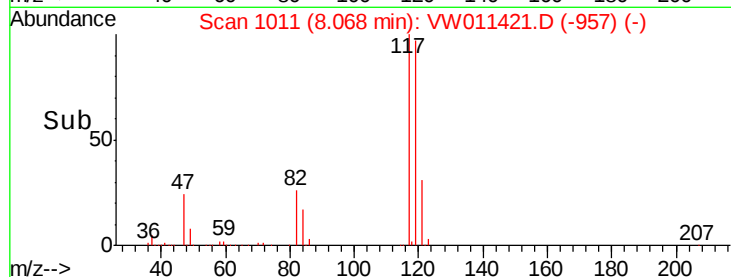
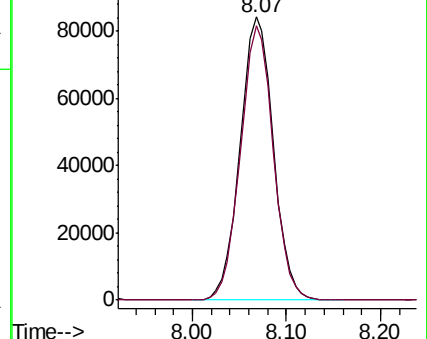
117 100

119 95.3 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.535 ug/L

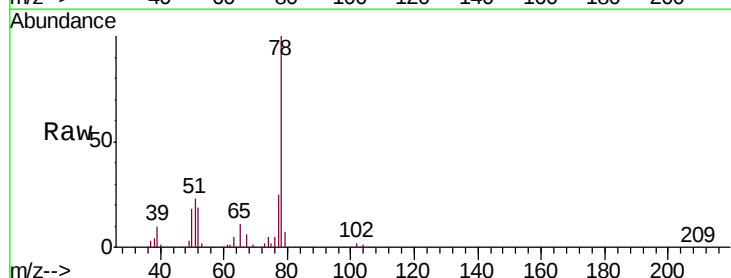
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

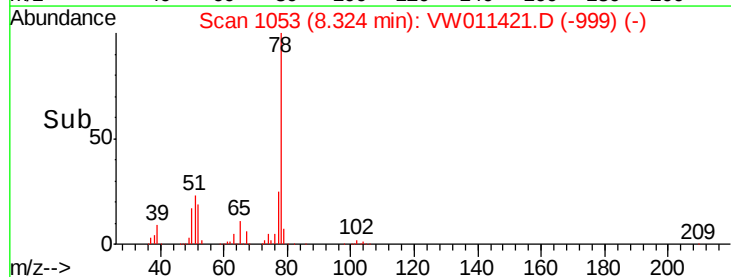
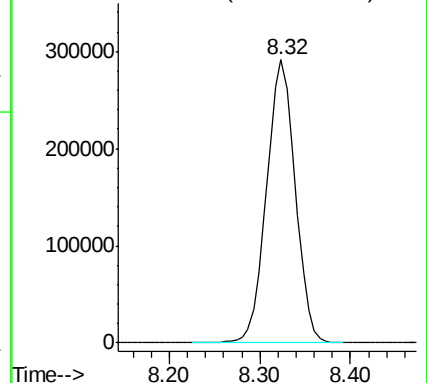
Lab File: VW011421.D

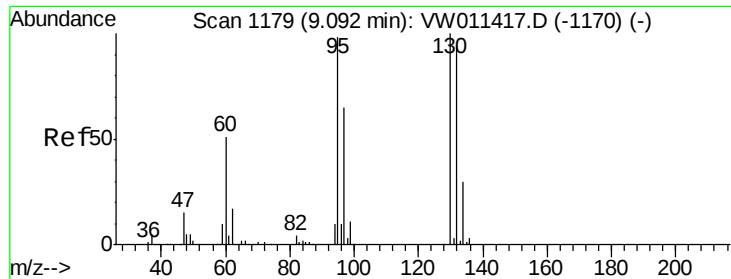
Acq: 22 Jul 2019 15:12

Tgt Ion: 78 Resp: 639590



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.514 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tgt Ion: 95 Resp: 162430

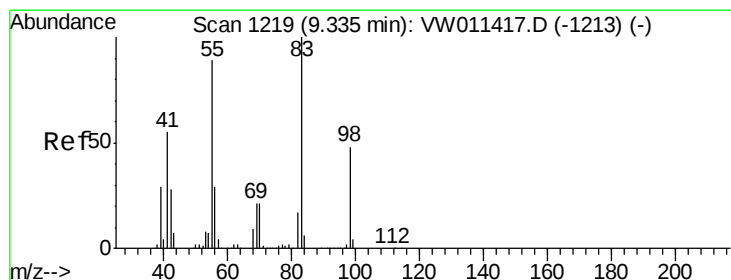
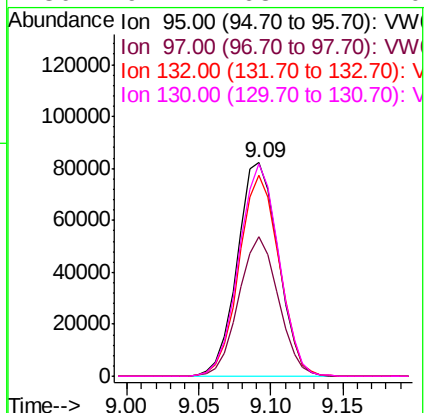
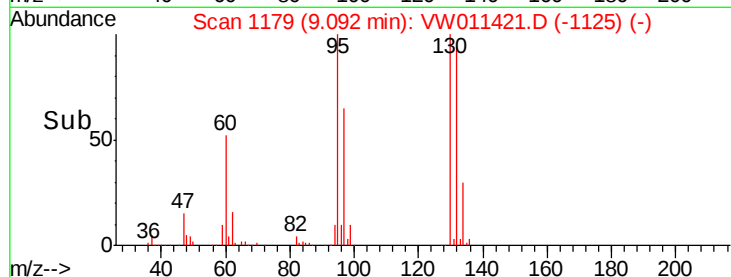
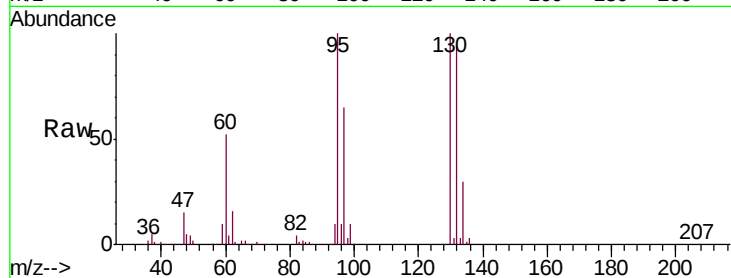
Ion Ratio Lower Upper

95 100

97 63.4 44.6 82.8

132 92.1 66.0 122.6

130 97.2 68.4 127.0



#36

Methylcyclohexane

Concen: 26.161 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

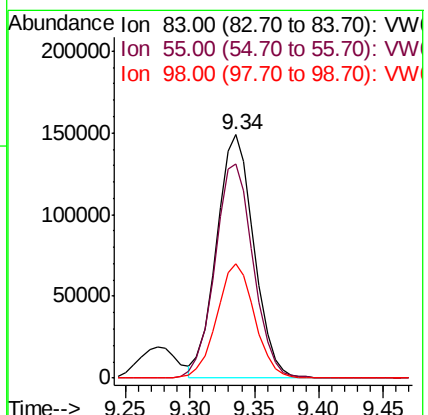
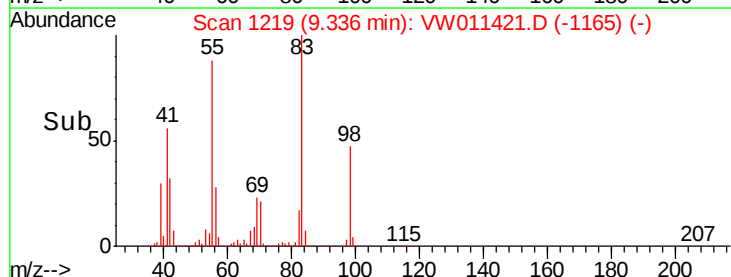
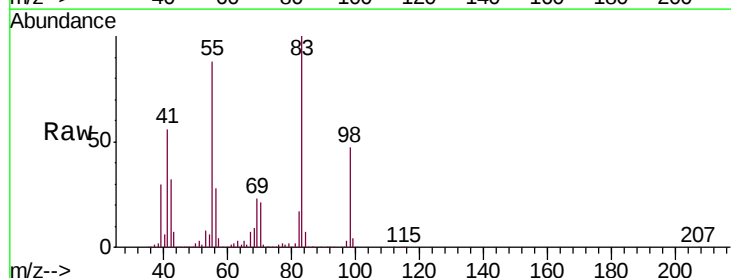
Tgt Ion: 83 Resp: 302844

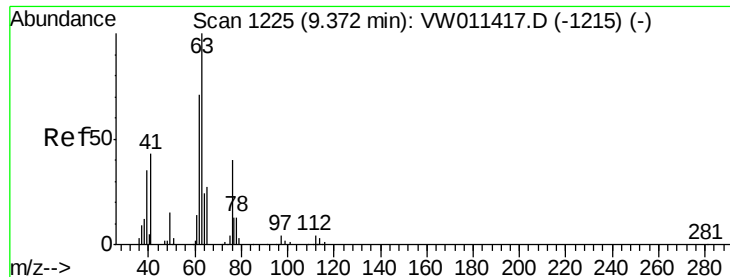
Ion Ratio Lower Upper

83 100

55 90.0 71.5 107.3

98 47.2 37.4 56.2

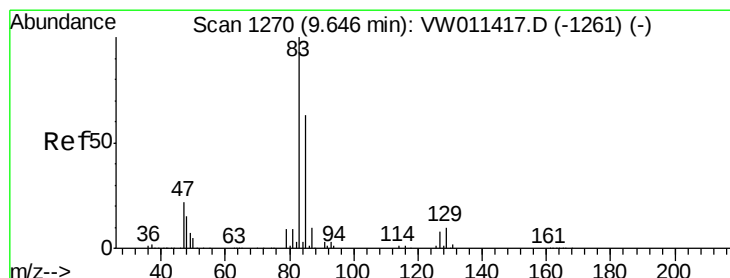
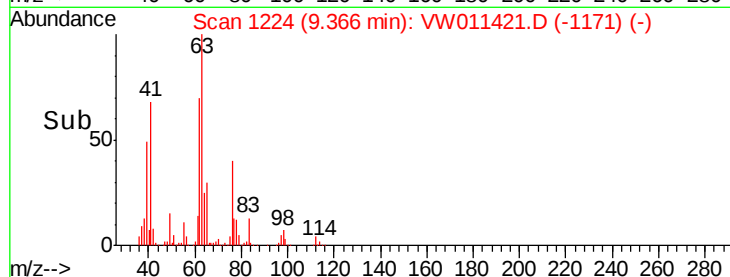
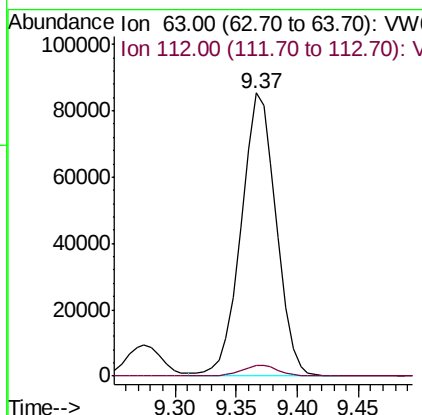
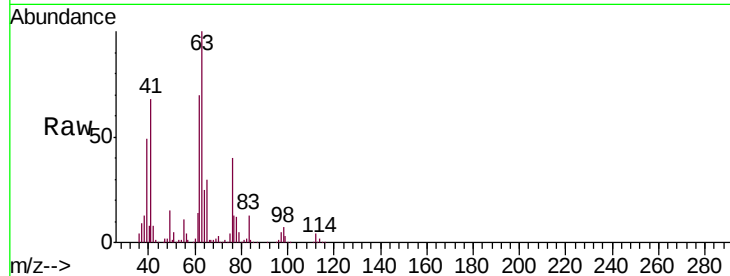




#40
 1,2-Dichloropropane
 Concen: 25.236 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

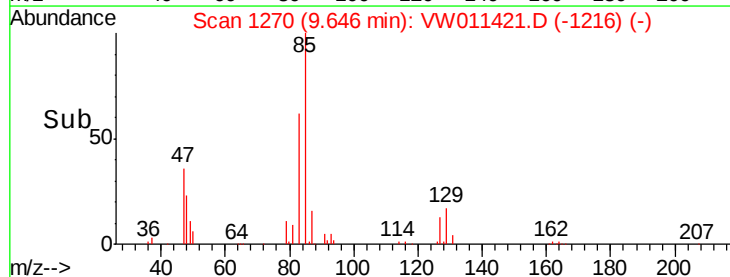
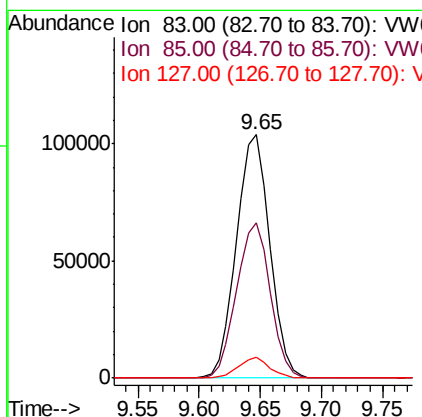
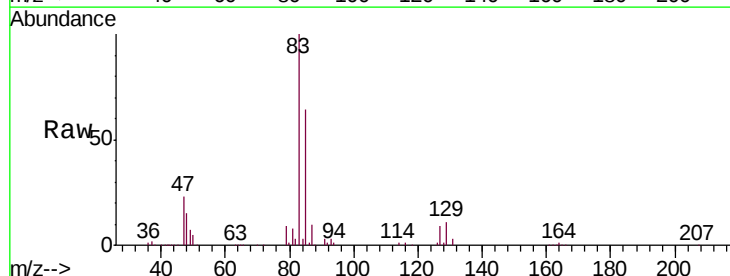
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

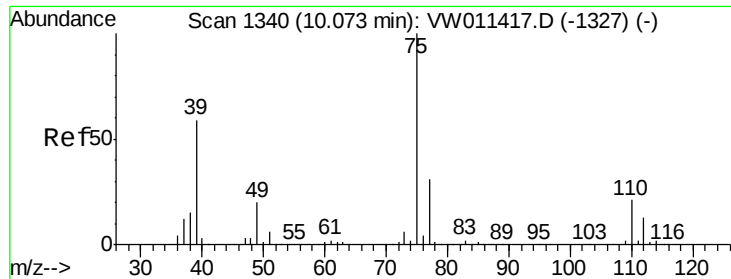
Tgt Ion: 63 Resp: 169827
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#41
 Bromodichloromethane
 Concen: 25.092 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

Tgt Ion: 83 Resp: 197425
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.3 82.3
 127 8.6 6.6 9.8

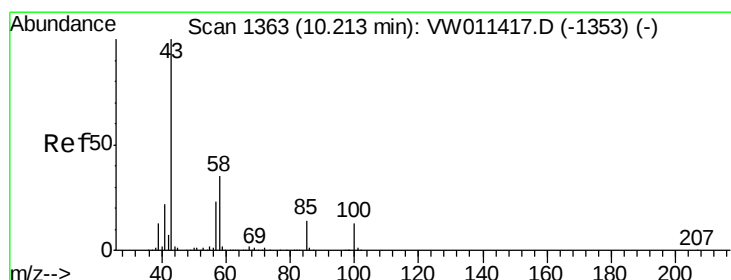
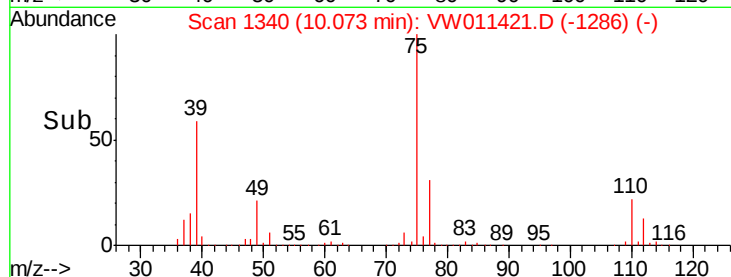
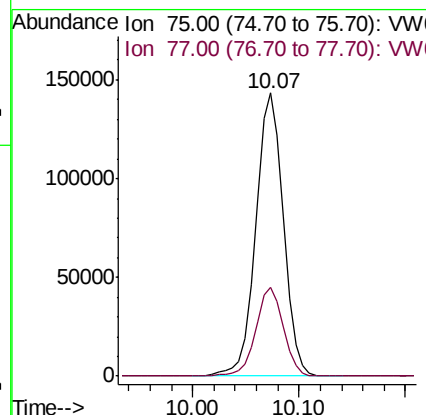
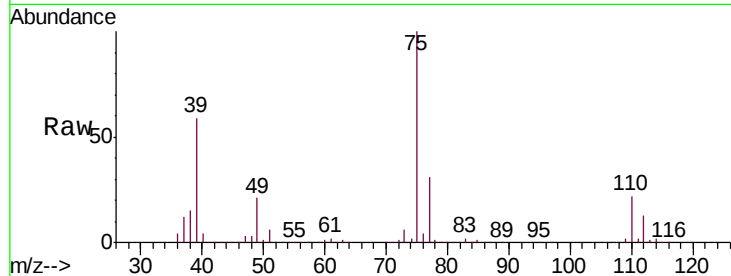




#42
 cis-1,3-Dichloropropene
 Concen: 25.765 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

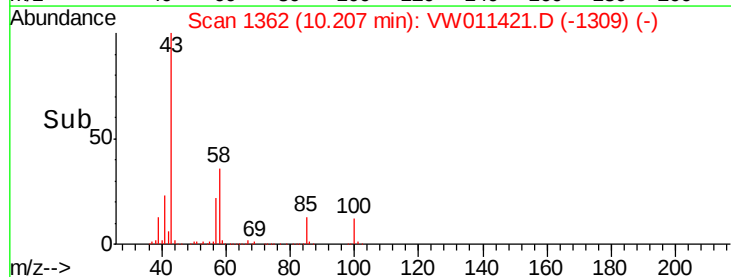
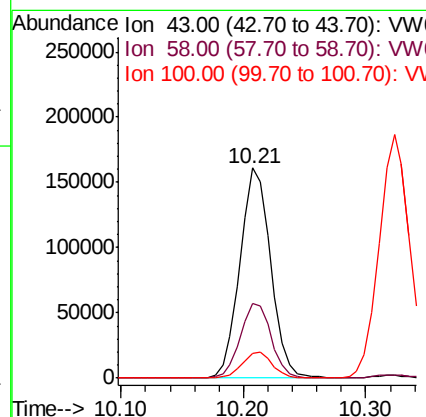
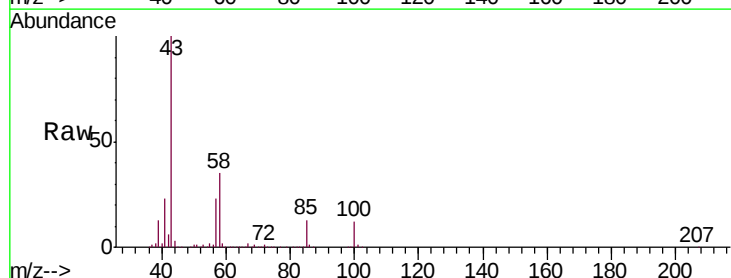
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

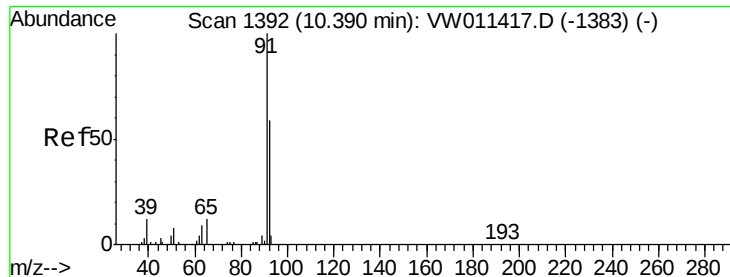
Tgt Ion: 75 Resp: 260491
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 48.612 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

Tgt Ion: 43 Resp: 280054
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.0 42.0
 100 12.2 9.8 14.8





#44

Toluene

Concen: 25.813 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

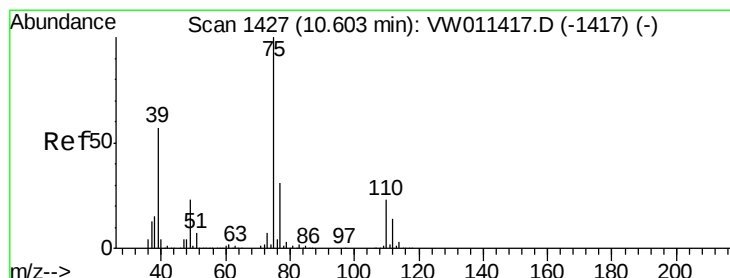
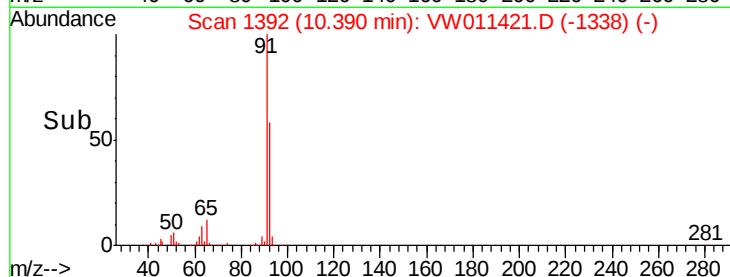
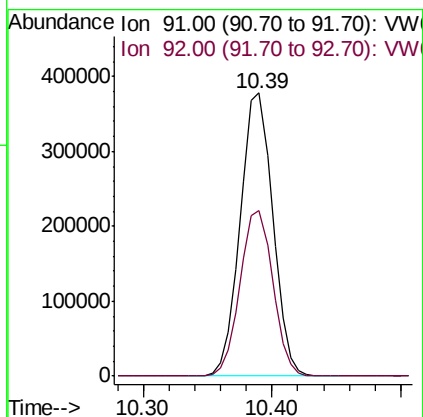
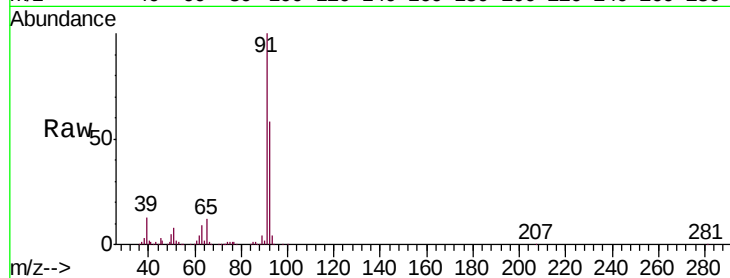
VSTD02515

Tgt Ion: 91 Resp: 663186

Ion Ratio Lower Upper

91 100

92 58.4 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 25.449 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011421.D

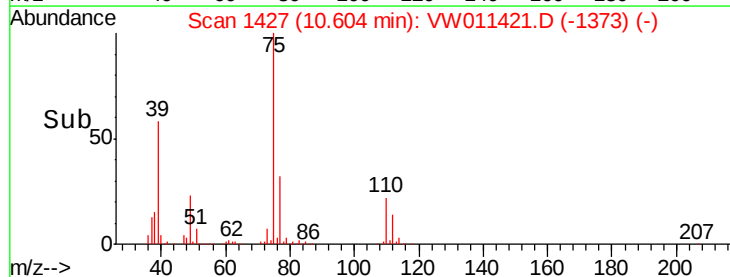
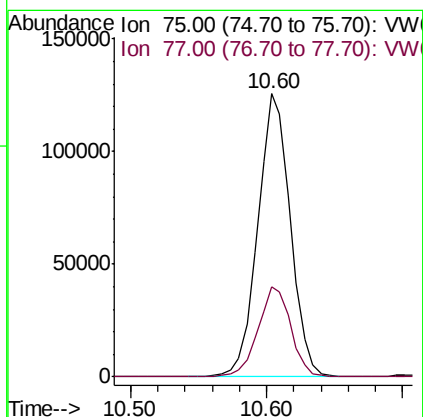
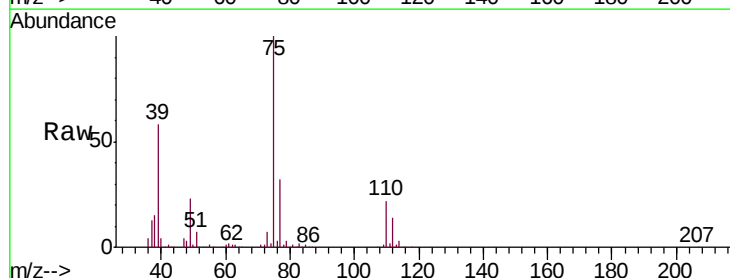
Acq: 22 Jul 2019 15:12

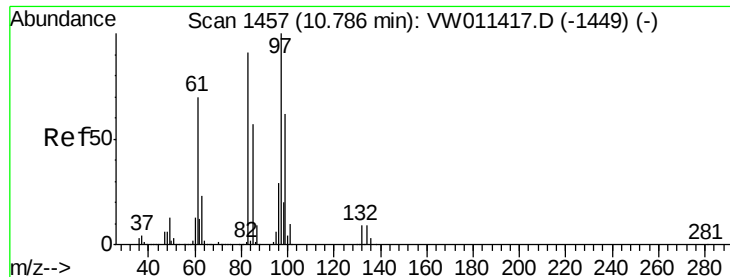
Tgt Ion: 75 Resp: 211451

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 24.624 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tgt Ion: 97 Resp: 110918

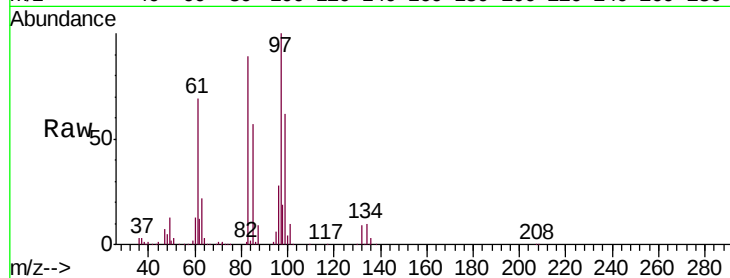
Ion Ratio Lower Upper

97 100

83 88.8 63.8 118.6

85 57.4 40.0 74.4

99 61.8 43.1 80.1

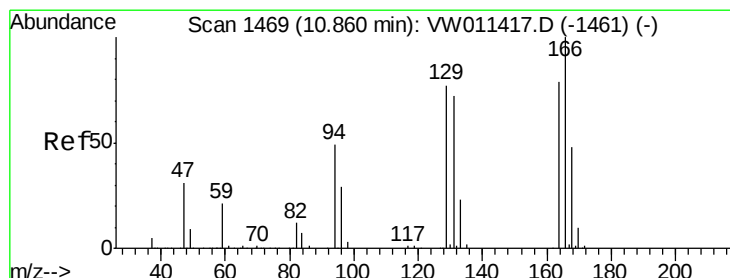
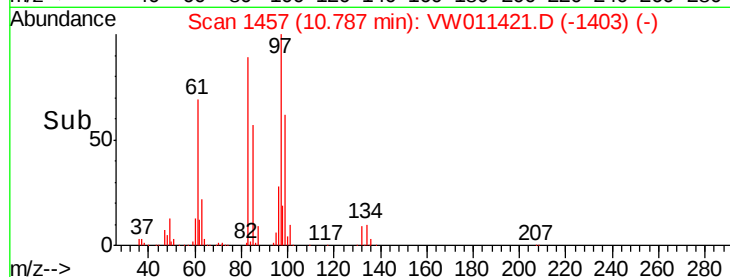
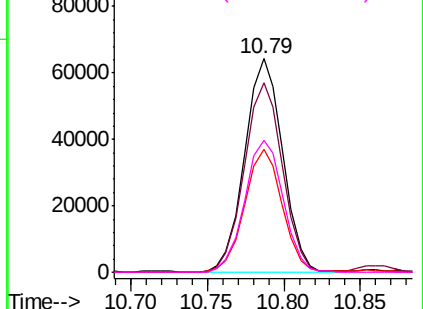


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.390 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Tgt Ion: 164 Resp: 124007

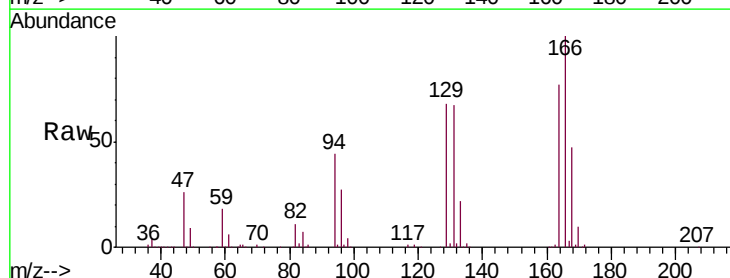
Ion Ratio Lower Upper

164 100

129 89.1 69.0 128.1

131 87.0 64.5 119.7

166 130.7 89.2 165.6

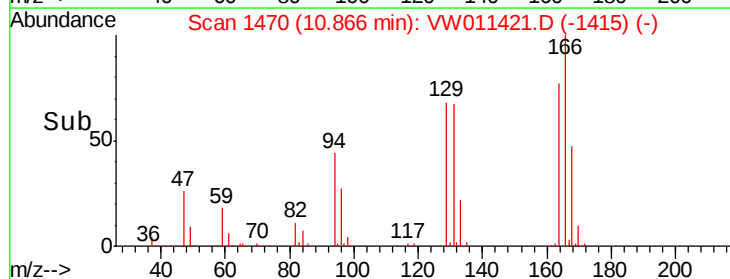
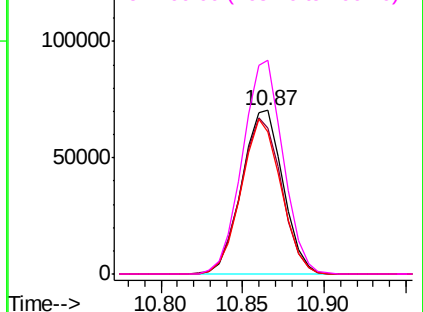


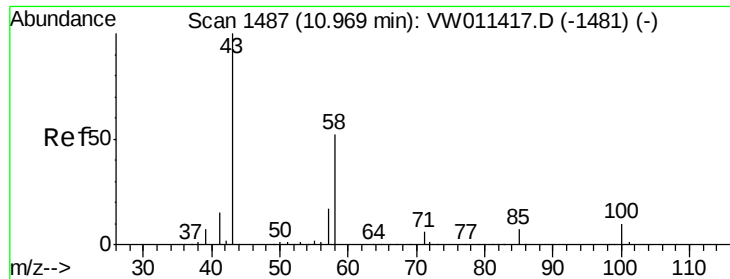
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 52.624 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tgt Ion: 43 Resp: 228841

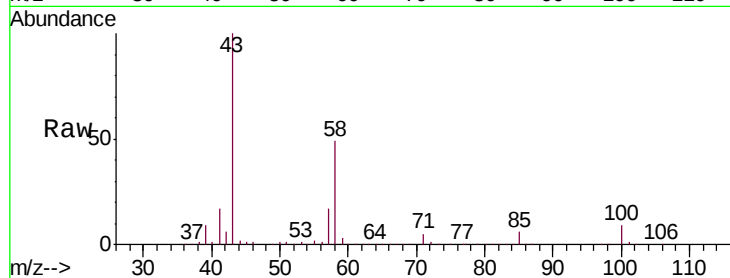
Ion Ratio Lower Upper

43 100

58 48.4 40.1 60.1

57 17.4 13.8 20.6

100 9.8 7.8 11.6

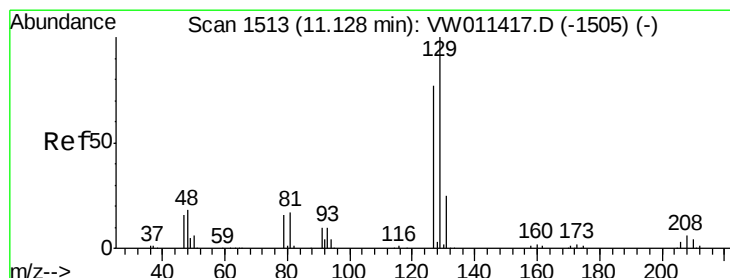
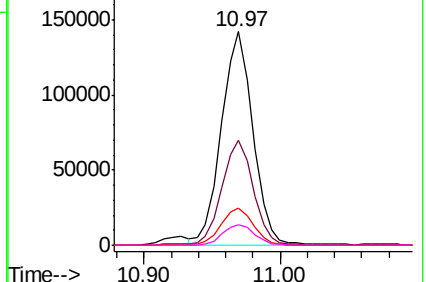
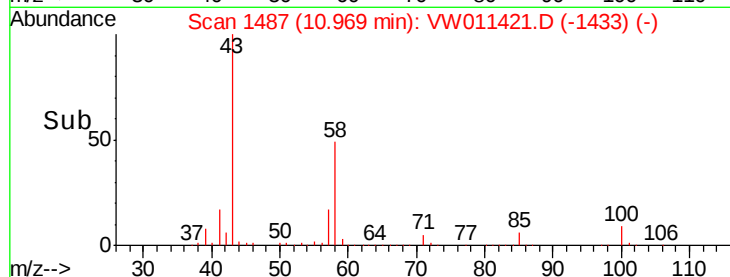


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.518 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011421.D

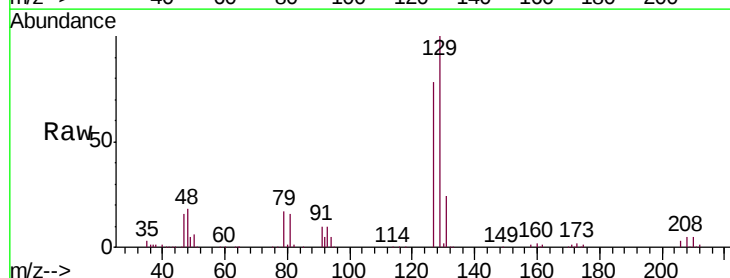
Acq: 22 Jul 2019 15:12

Tgt Ion: 129 Resp: 127238

Ion Ratio Lower Upper

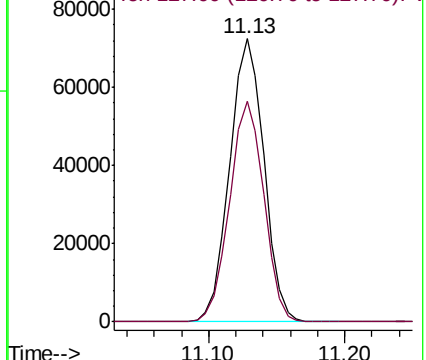
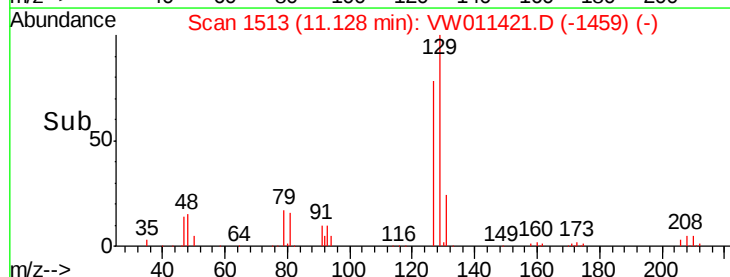
129 100

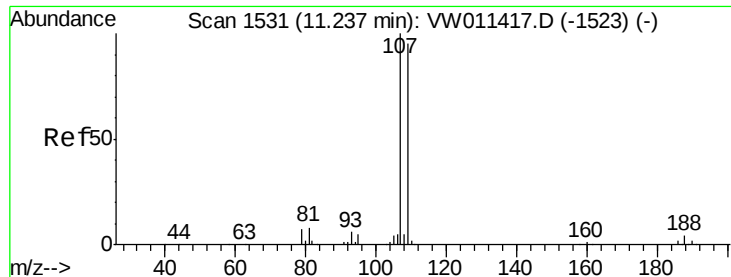
127 77.9 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

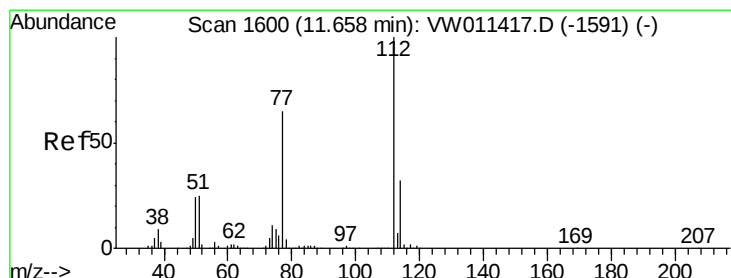
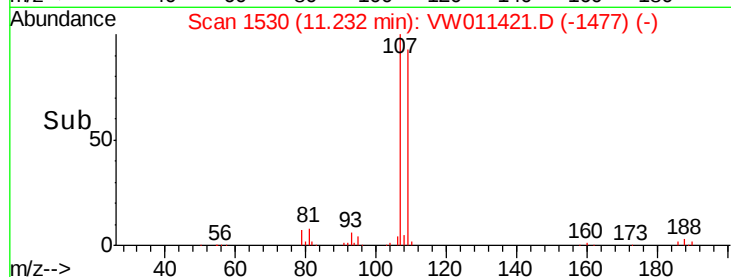
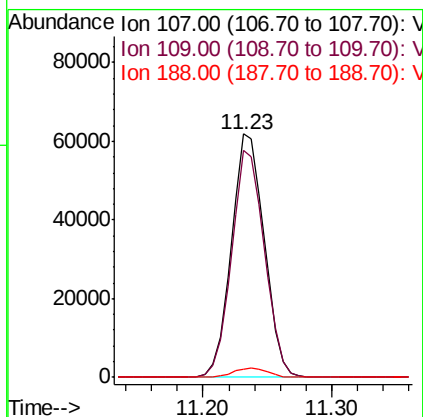
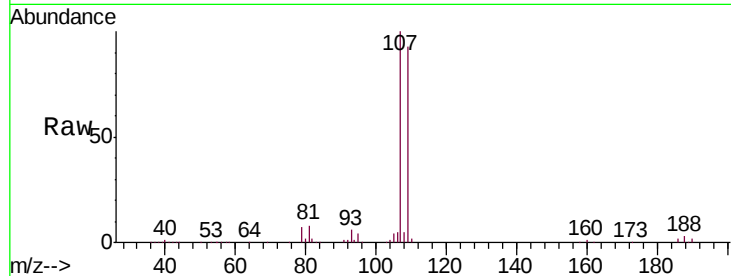




#51
1,2-Dibromoethane
Concen: 25.200 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW011421.D
Acq: 22 Jul 2019 15:12

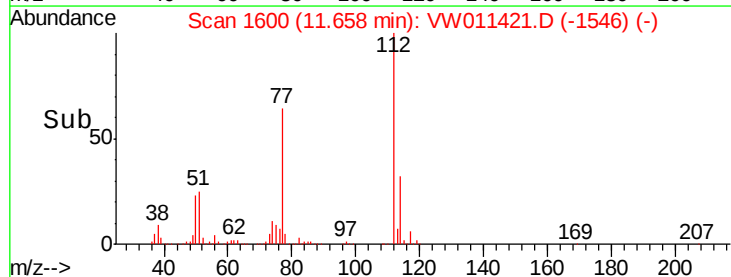
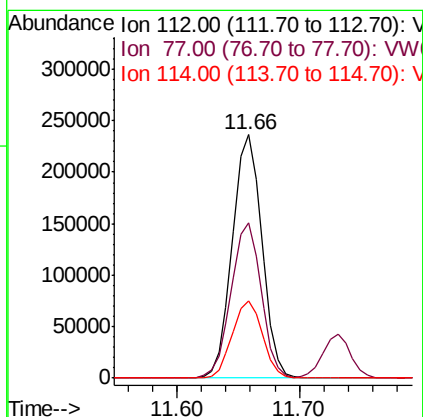
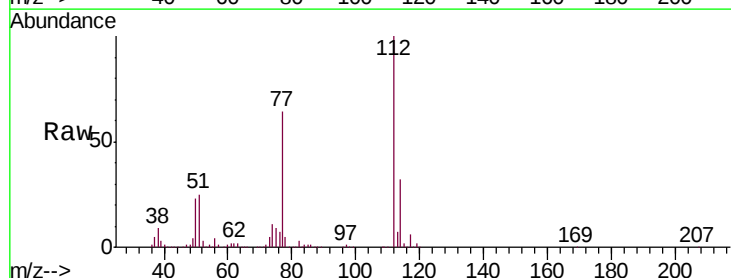
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

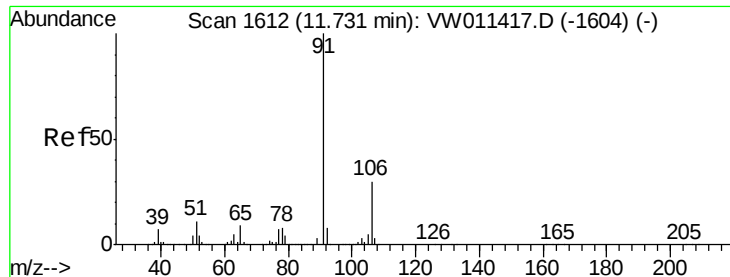
Tgt Ion:107 Resp: 109779
Ion Ratio Lower Upper
107 100
109 93.0 66.8 124.2
188 3.1 3.0 4.6



#52
Chlorobenzene
Concen: 25.452 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011421.D
Acq: 22 Jul 2019 15:12

Tgt Ion:112 Resp: 394341
Ion Ratio Lower Upper
112 100
77 63.7 52.2 78.2
114 31.5 22.0 41.0





#53

Ethylbenzene

Concen: 25.744 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

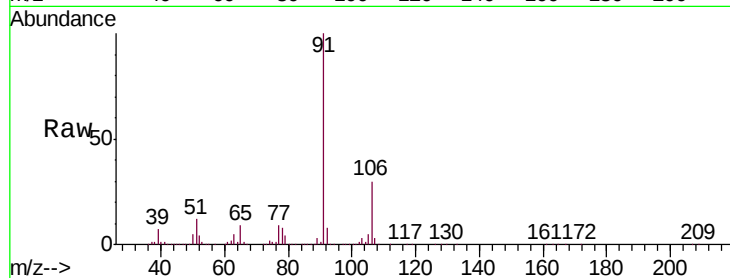
VSTD02515

Tgt Ion: 91 Resp: 744376

Ion Ratio Lower Upper

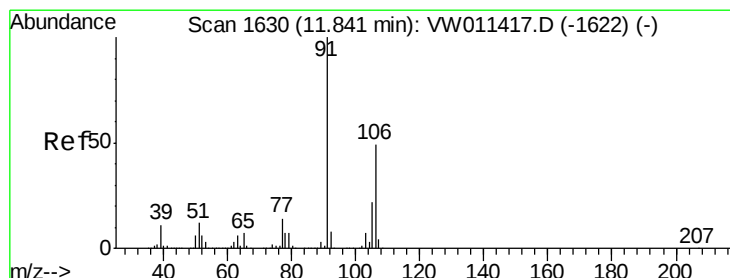
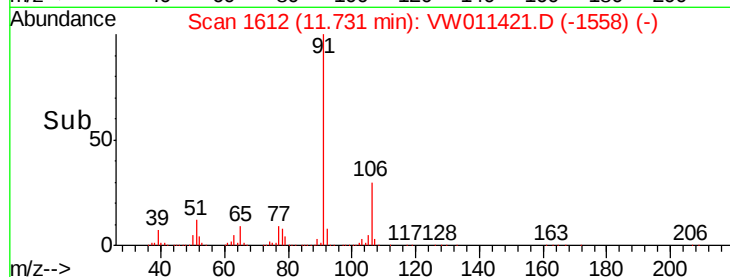
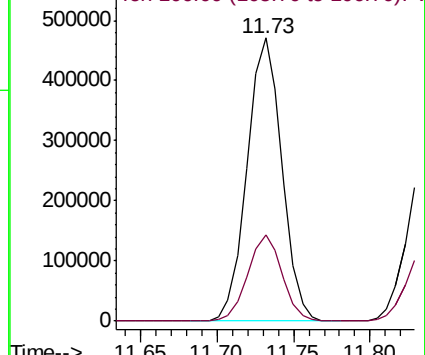
91 100

106 30.3 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.705 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011421.D

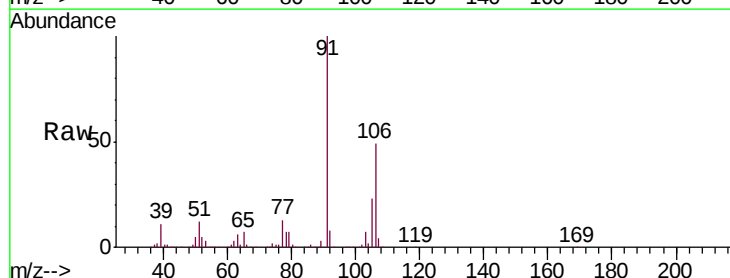
Acq: 22 Jul 2019 15:12

Tgt Ion: 106 Resp: 272211

Ion Ratio Lower Upper

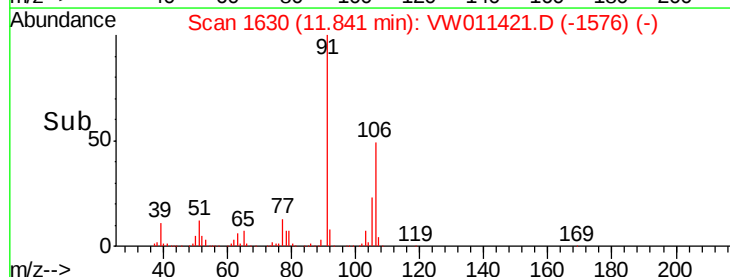
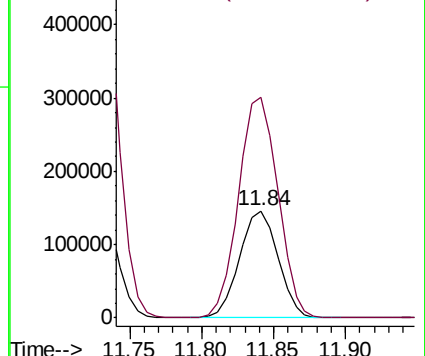
106 100

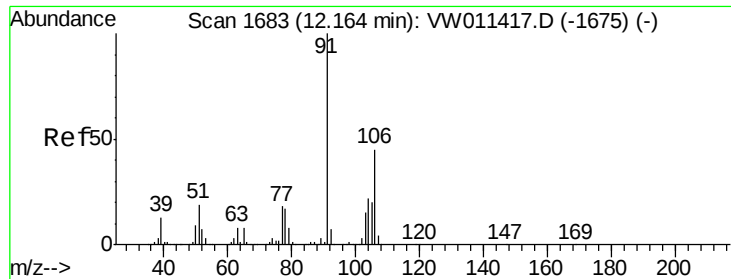
91 205.6 143.7 266.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 25.966 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

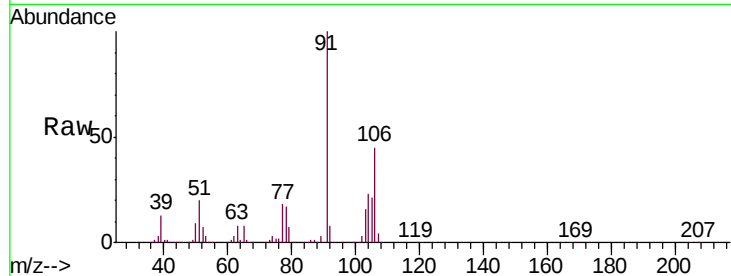
VSTD02515

Tgt Ion:106 Resp: 259161

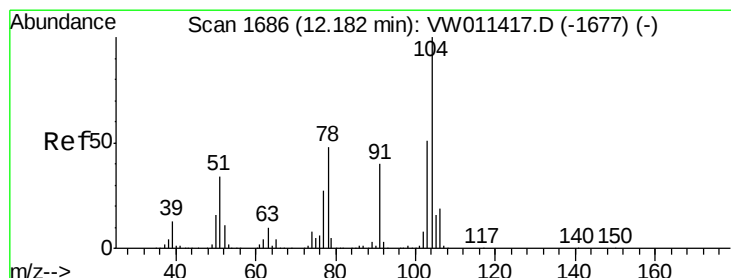
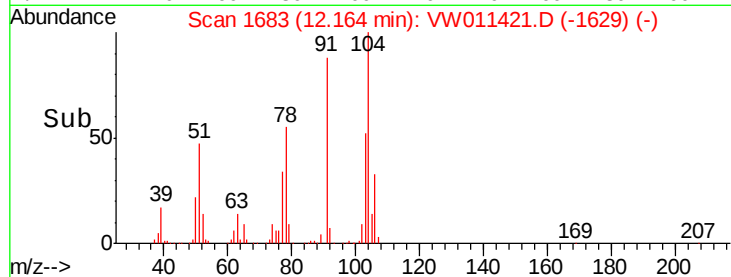
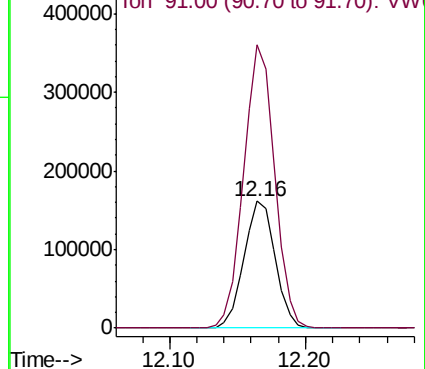
Ion Ratio Lower Upper

106 100

91 222.7 155.5 288.9



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 26.508 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW011421.D

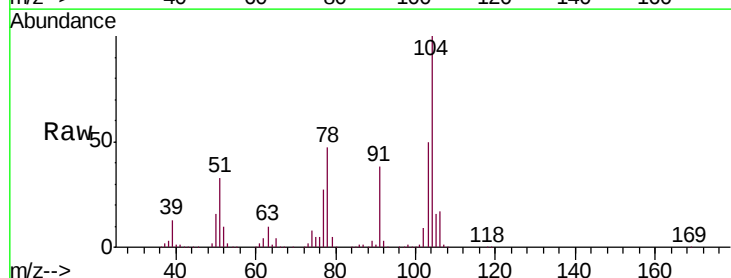
Acq: 22 Jul 2019 15:12

Tgt Ion:104 Resp: 445067

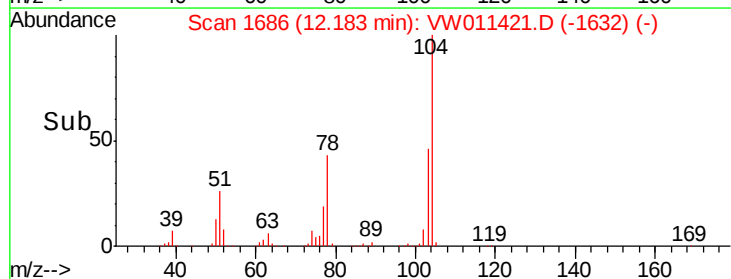
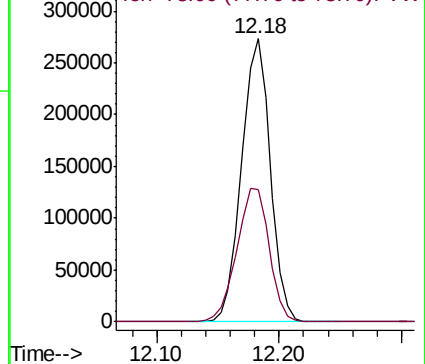
Ion Ratio Lower Upper

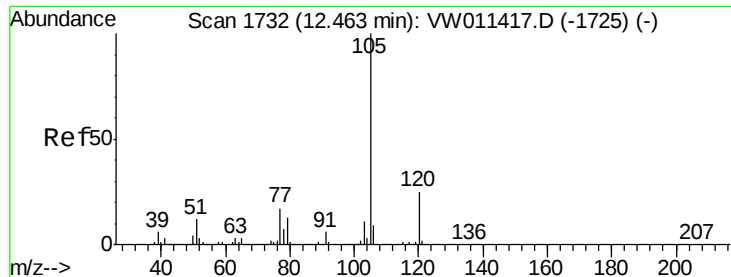
104 100

78 46.5 33.5 62.1



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 26.250 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

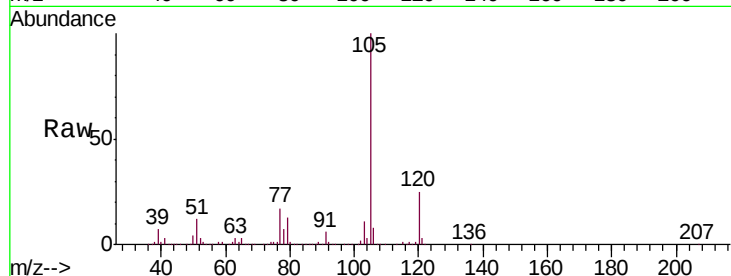
Tgt Ion: 105 Resp: 713632

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

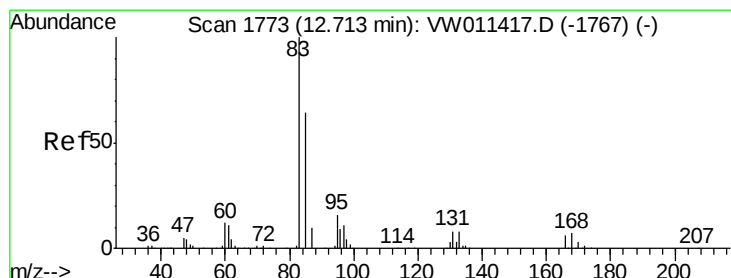
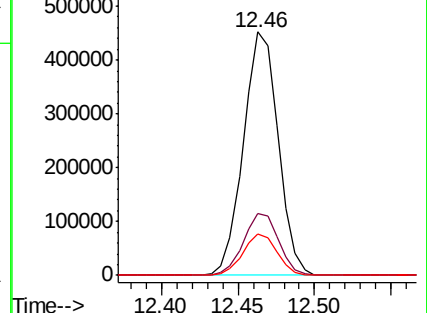
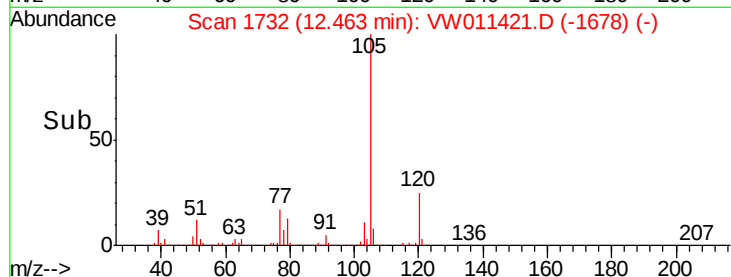
77 16.7 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.835 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

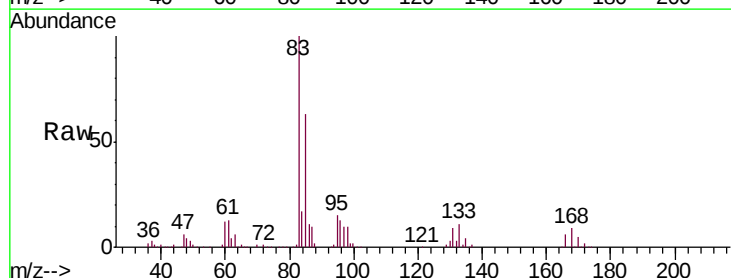
Tgt Ion: 83 Resp: 145321

Ion Ratio Lower Upper

83 100

85 62.9 45.1 83.9

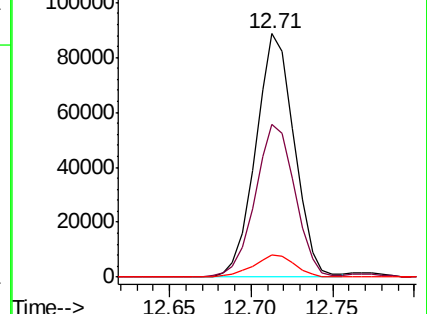
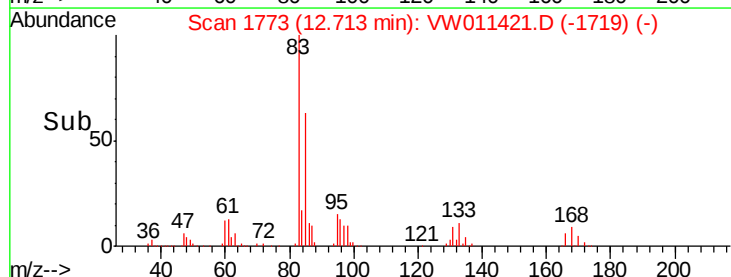
131 9.0 7.0 10.6

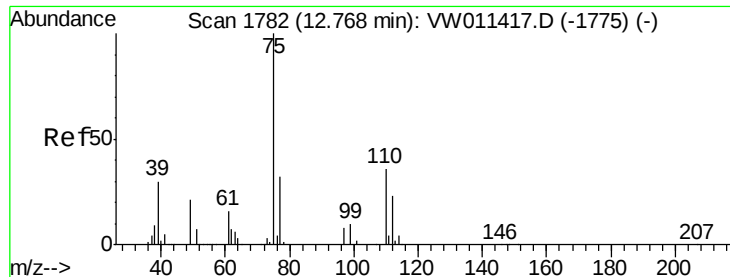


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.399 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

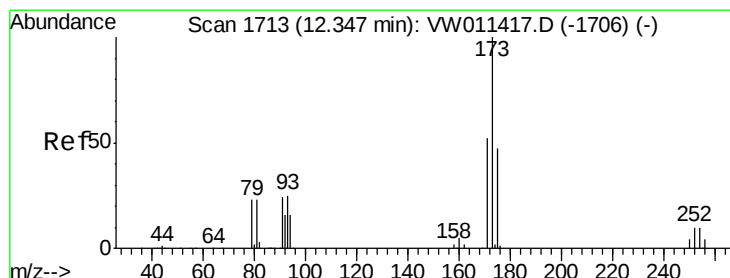
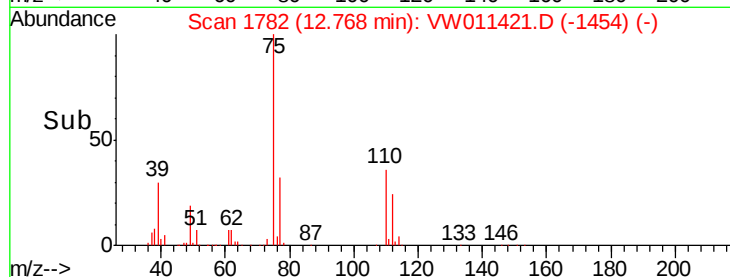
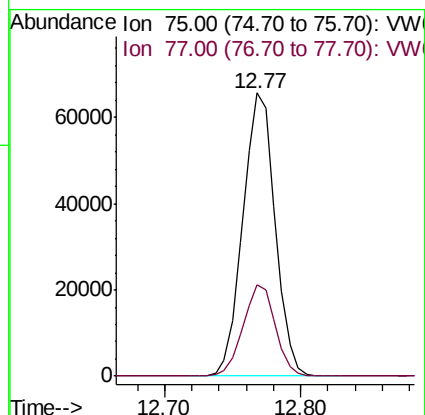
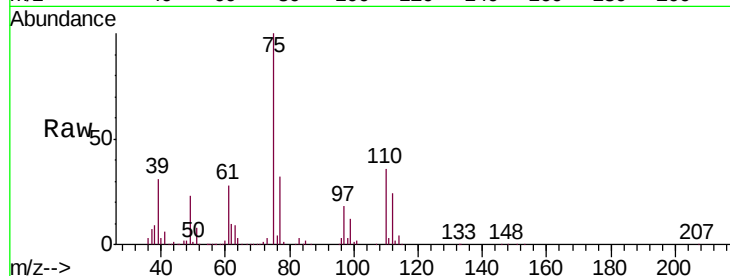
VSTD02515

Tgt Ion: 75 Resp: 109082

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



#62

Bromoform

Concen: 24.803 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

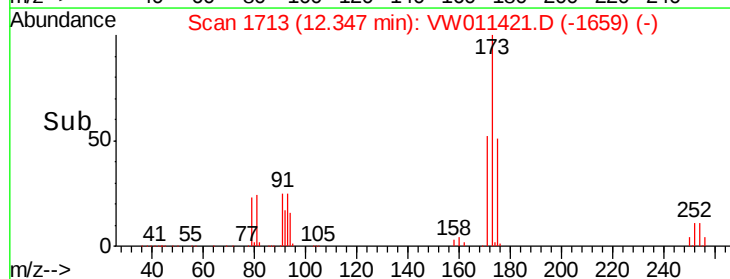
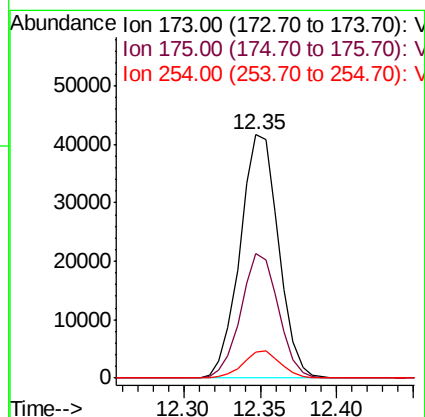
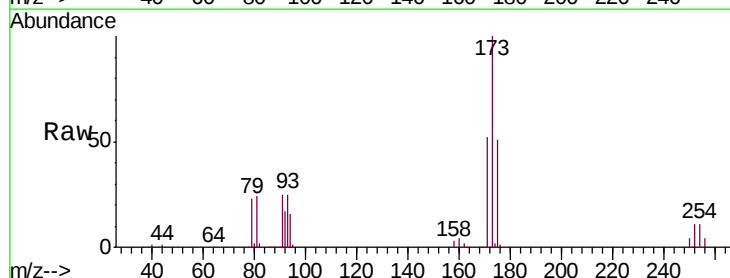
Tgt Ion: 173 Resp: 72917

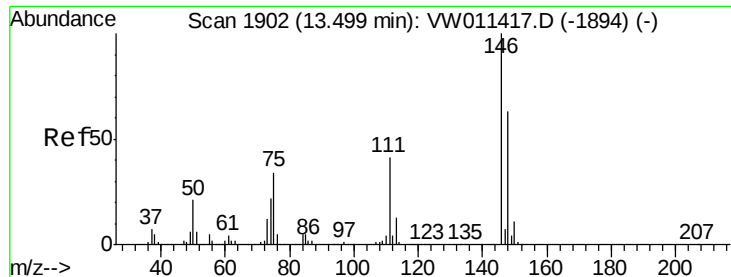
Ion Ratio Lower Upper

173 100

175 49.8 39.0 58.4

254 10.9 8.5 12.7

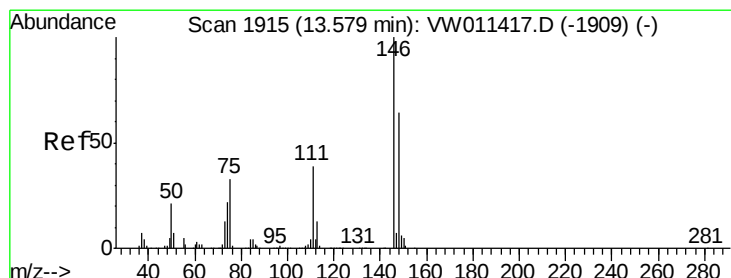
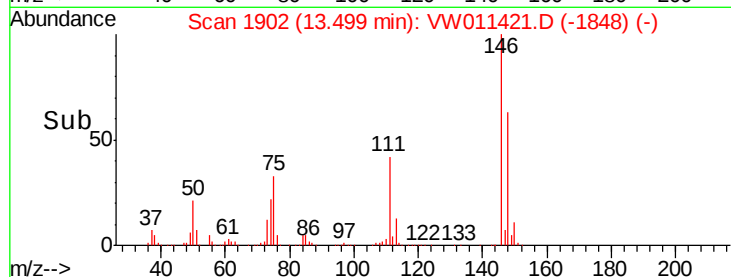
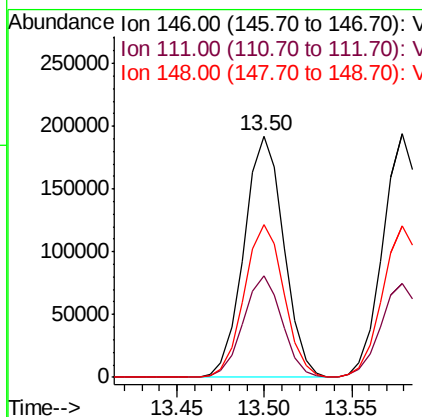
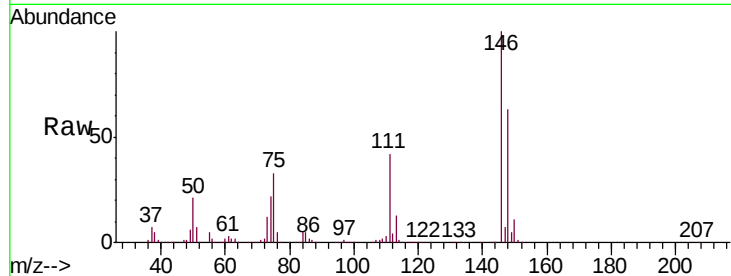




#63
 1,3-Dichlorobenzene
 Concen: 26.013 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

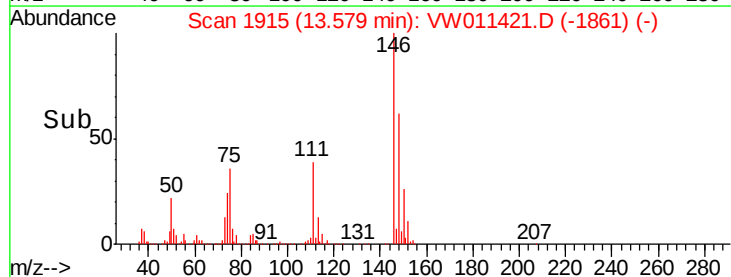
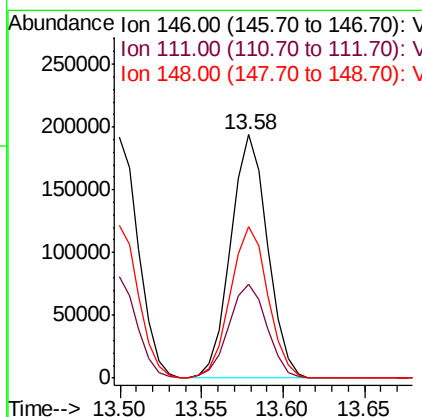
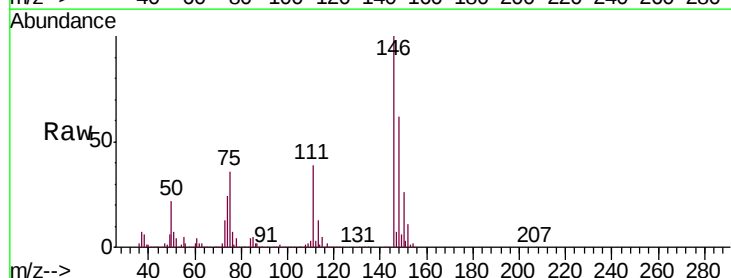
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

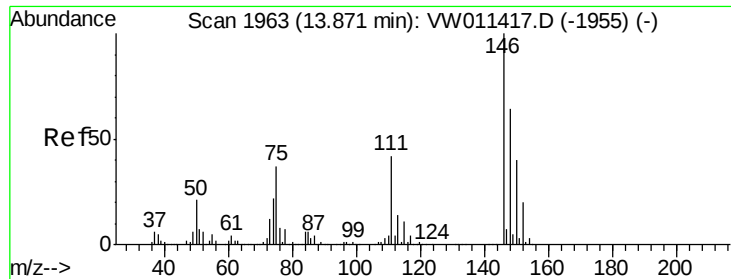
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	29.0	53.8
148	63.0	44.3	82.3



#64
 1,4-Dichlorobenzene
 Concen: 25.553 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.8	51.6
148	62.2	44.9	83.5

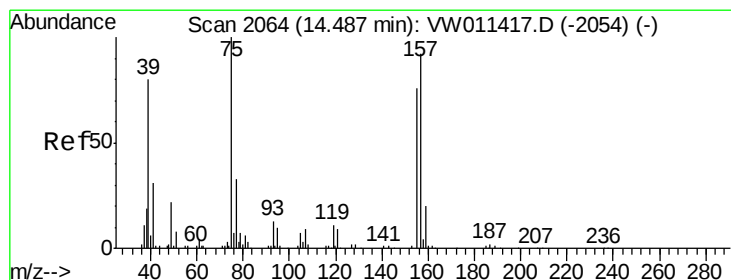
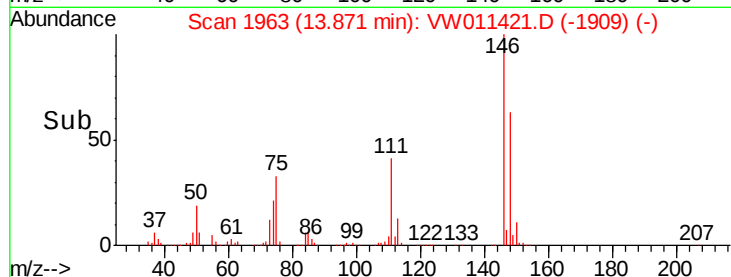
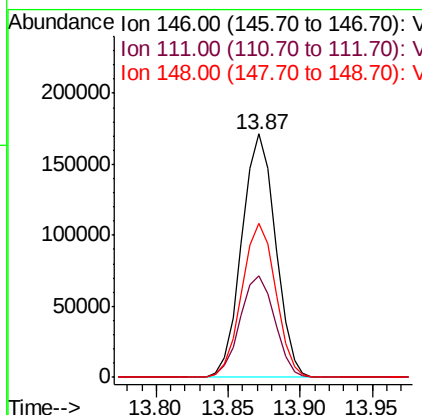
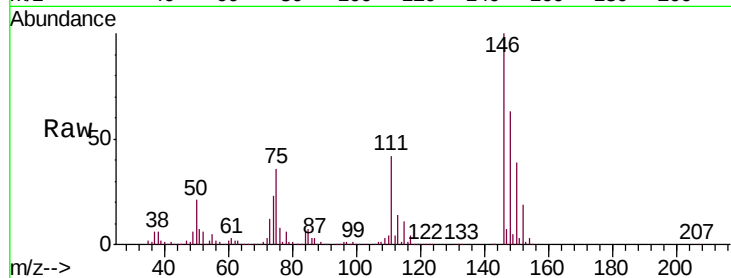




#65
 1,2-Dichlorobenzene
 Concen: 25.754 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

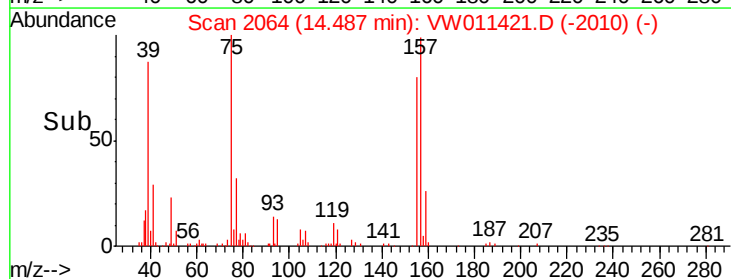
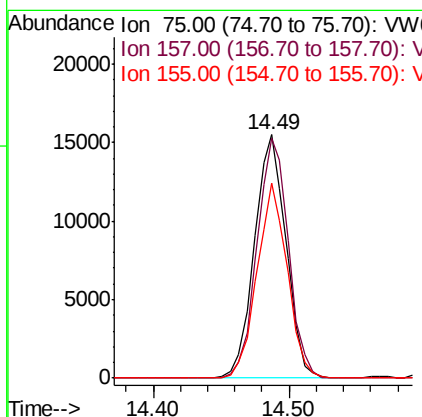
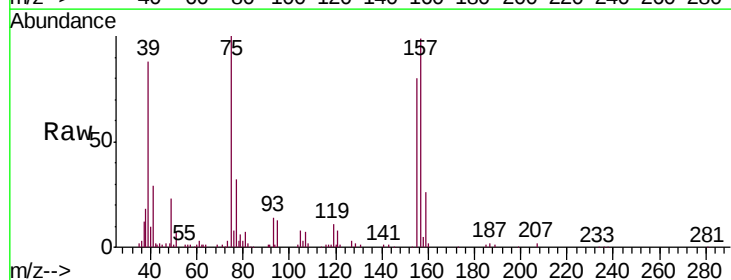
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

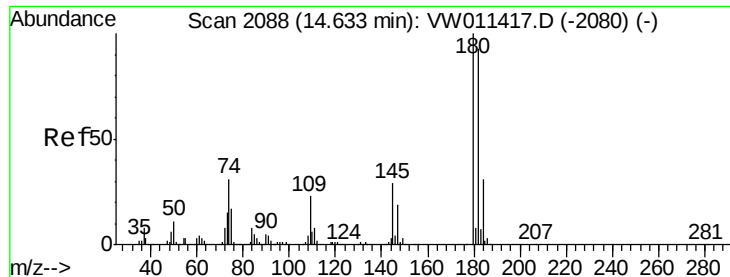
Tgt Ion: 146 Resp: 278718
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.8 50.8
 148 63.4 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.475 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

Tgt Ion: 75 Resp: 25248
 Ion Ratio Lower Upper
 75 100
 157 98.7 73.7 110.5
 155 80.3 61.0 91.6

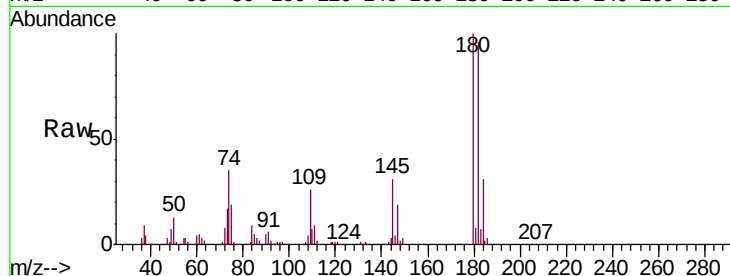




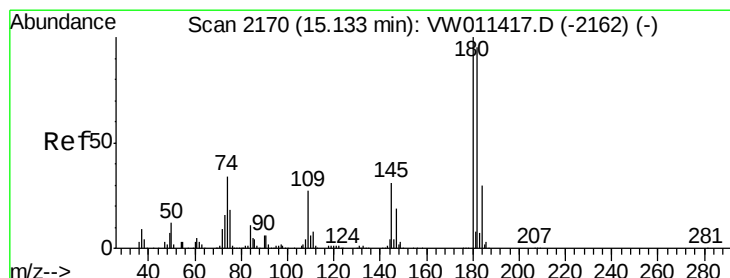
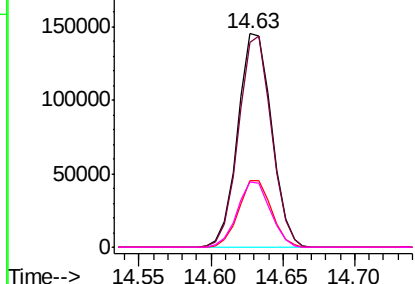
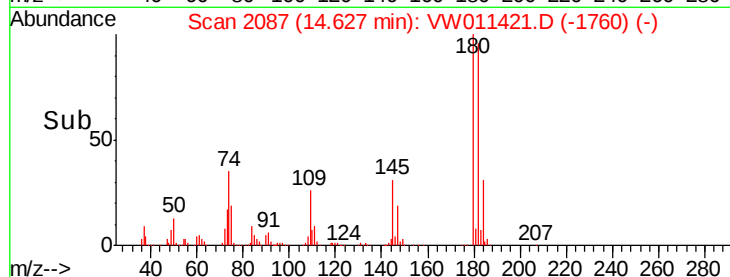
#67
 1,3,5-Trichlorobenzene
 Concen: 26.484 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Tgt Ion:	180	Resp:	237629
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.1	114.1
184	30.4	24.7	37.1
145	30.0	23.8	35.6

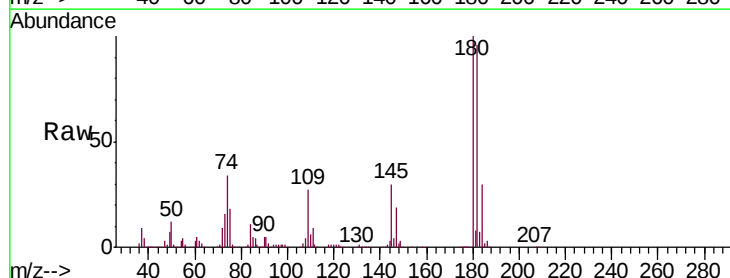


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

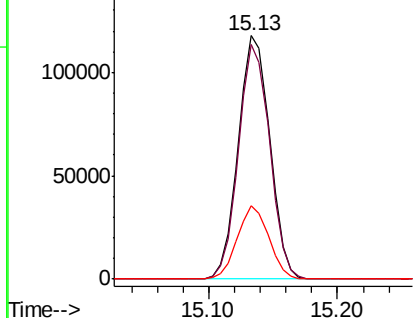
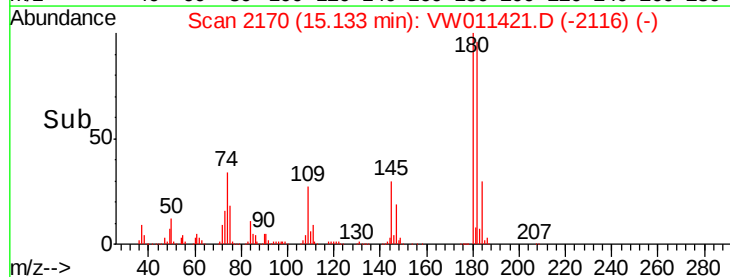


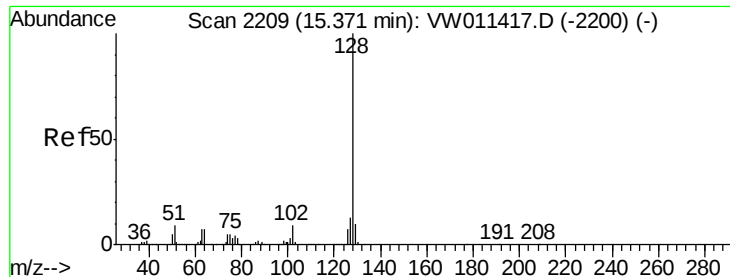
#68
 1,2,4-trichlorobenzene
 Concen: 26.882 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011421.D
 Acq: 22 Jul 2019 15:12

Tgt Ion:	180	Resp:	199897
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	30.1	24.2	36.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.698 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

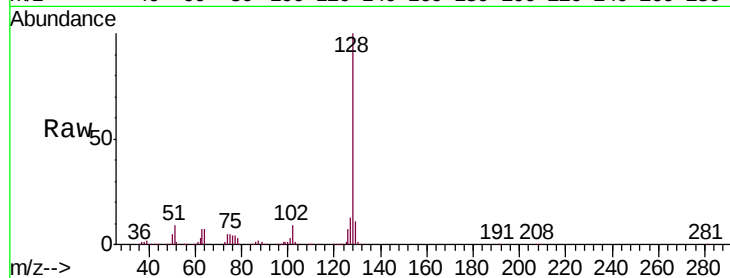
Tgt Ion:128 Resp: 404118

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

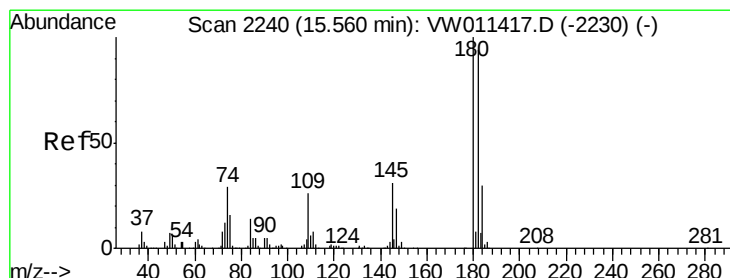
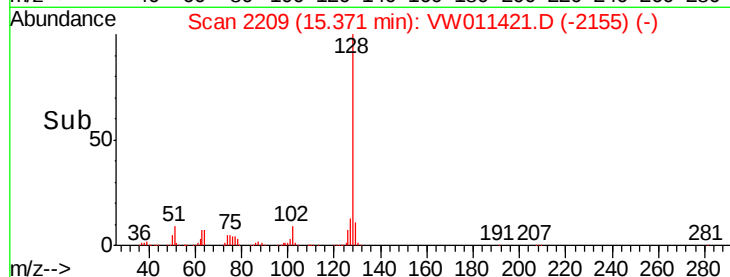
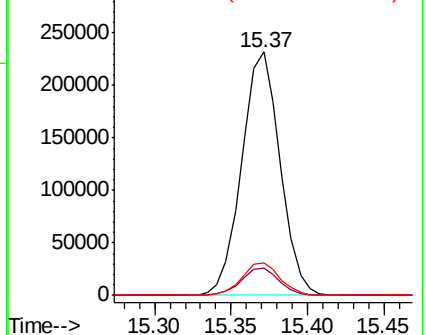
127 13.3 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.712 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011421.D

Acq: 22 Jul 2019 15:12

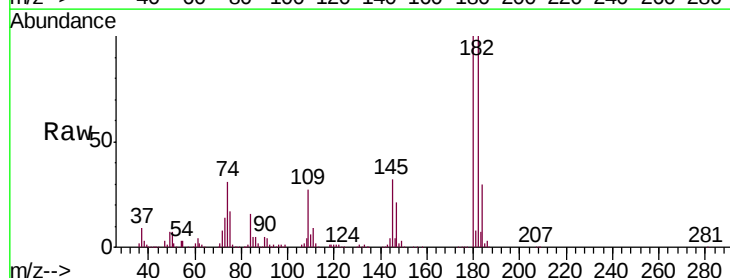
Tgt Ion:180 Resp: 179950

Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.8

145 31.5 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

