

Data File : VW011908.D
Acq On : 14 Aug 2019 09:24
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Quant Time: Aug 16 05:32:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 14 15:59:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	343548	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	298306	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	144276	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132269	27.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.36%
7) Chloroethane-d5	2.89	69	97456	27.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.88%
10) 1,1-Dichloroethene-d2	4.02	63	304144	27.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	109.68%
20) 2-Butanone-d5	7.08	46	88043	40.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.84%
24) Chloroform-d	7.65	84	249400	26.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.72%
26) 1,2-Dichloroethane-d4	8.31	65	144003	25.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.16%
29) Benzene-d6	8.27	84	501634	26.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.96%
33) 1,2-Dichloropropane-d6	9.27	67	160637	26.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.12%
37) Toluene-d8	10.32	98	445549	26.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.04%
38) trans-1,3-Dichloropropene-	10.58	79	68373	25.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.04%
39) 2-Hexanone-d5	10.93	63	60542	42.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	115448	22.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	140118	25.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	103360	26.845	ug/L	100
3) Chloromethane	2.21	50	127184	25.395	ug/L	100
5) Vinyl chloride	2.36	62	166307	26.027	ug/L	100
6) Bromomethane	2.78	94	79596	26.423	ug/L	98
8) Chloroethane	2.92	64	90059	26.949	ug/L	99
9) Trichlorofluoromethane	3.26	101	90562	27.823	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	136635	27.688	ug/L	96
12) 1,1-Dichloroethene	4.04	96	133013	26.957	ug/L	93
13) Acetone	4.12	43	101411	43.470	ug/L	98
14) Carbon disulfide	4.38	76	405207	25.214	ug/L	99
15) Methyl Acetate	4.67	43	86072	22.566	ug/L	99
16) Methylene chloride	4.92	84	141000	26.300	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	221668	26.977	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	137974	27.065	ug/L	98
19) 1,1-Dichloroethane	6.21	63	286495	28.132	ug/L	99
21) 2-Butanone	7.17	43	126100	43.112	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	146743	27.514	ug/L	99

Data File : VW011908.D
Acq On : 14 Aug 2019 09:24
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Quant Time: Aug 16 05:32:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 14 15:59:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61382	27.049	ug/L	98
25) Chloroform	7.68	83	262268	27.941	ug/L	100
27) 1,2-Dichloroethane	8.40	62	190612	27.431	ug/L	99
30) Cyclohexane	7.95	56	286750	27.654	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	209779	28.861	ug/L	98
32) Carbon tetrachloride	8.07	117	195711	28.621	ug/L	99
34) Benzene	8.32	78	588687	28.161	ug/L	100
35) Trichloroethene	9.09	95	148233	27.932	ug/L	99
36) Methylcyclohexane	9.34	83	266760	27.708	ug/L	100
40) 1,2-Dichloropropane	9.37	63	158677	28.437	ug/L	100
41) Bromodichloromethane	9.65	83	189839	28.831	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	237902	28.504	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	242900	48.044	ug/L	100
44) Toluene	10.38	91	606109	28.539	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	193749	27.901	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	102061	26.827	ug/L	97
47) Tetrachloroethene	10.86	164	110998	27.383	ug/L	95
49) 2-Hexanone	10.97	43	184739	47.428	ug/L	99
50) Dibromochloromethane	11.13	129	117412	28.000	ug/L	97
51) 1,2-Dibromoethane	11.23	107	96178	25.980	ug/L	97
52) Chlorobenzene	11.66	112	359935	28.090	ug/L	99
53) Ethylbenzene	11.73	91	679324	28.682	ug/L	99
54) m,p-Xylene	11.84	106	247052	28.686	ug/L	97
55) o-xylene	12.16	106	233619	28.823	ug/L	98
56) Styrene	12.18	104	399932	29.023	ug/L	99
57) Isopropylbenzene	12.46	105	641986	28.791	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	128279	25.373	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	96305	24.698	ug/L	99
62) Bromoform	12.35	173	65462	25.361	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	271590	27.735	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	269506	27.407	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	245653	27.704	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21431	23.352	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	199719	27.710	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	165579	28.526	ug/L	98
69) Naphthalene	15.37	128	303961	26.004	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	148325	27.591	ug/L	99

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

Data File : VW011908.D

Acq On : 14 Aug 2019 09:24

Operator : SY/VA

Sample : VSTDCCC025

Misc : 5.00G/10ML/MSVOA W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

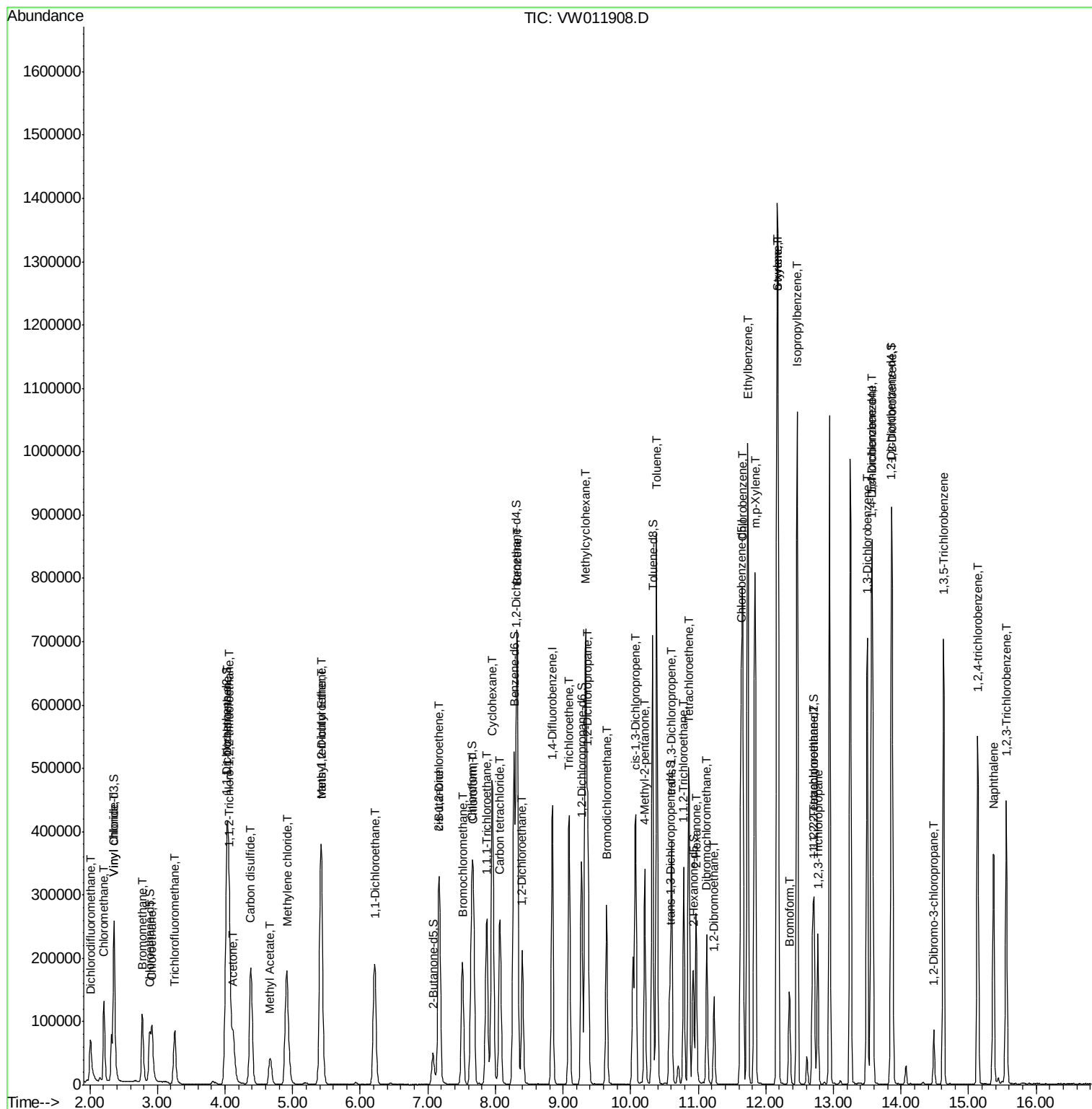
Quant Time: Aug 16 05:32:11 2019

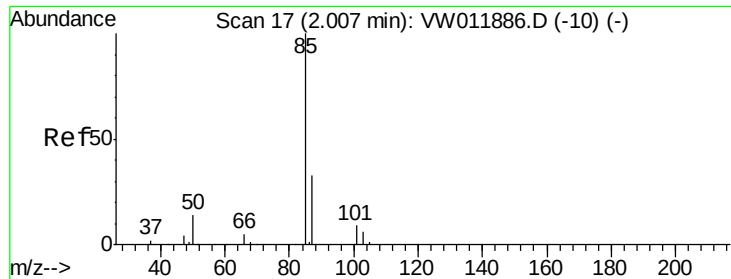
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M

Quant Title : VOC Analysis

QLast Update : Wed Aug 14 15:59:21 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 26.845 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

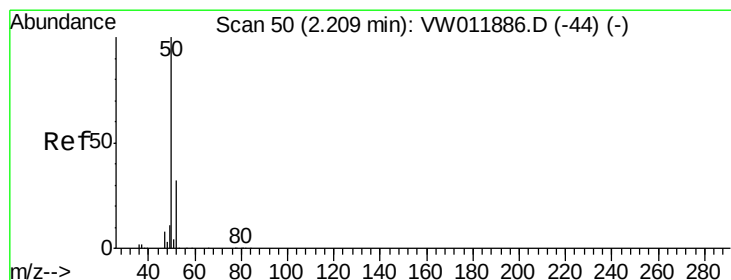
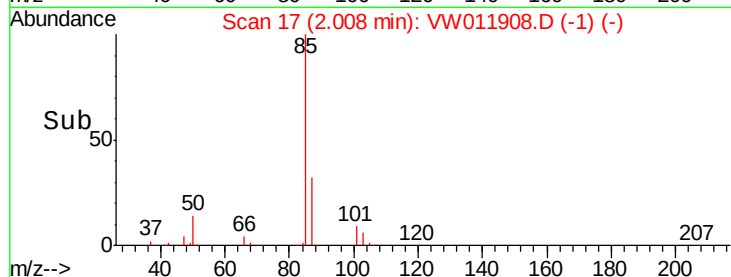
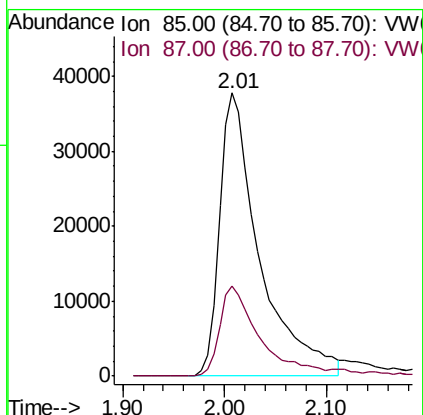
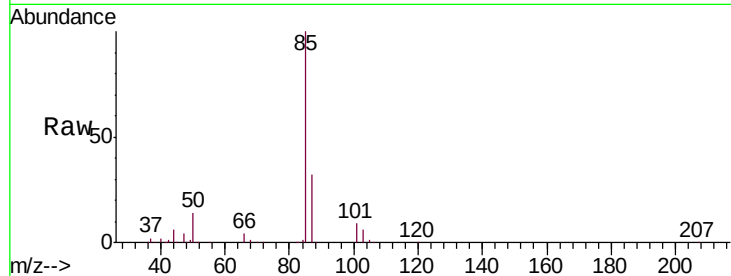
VSTD02514

Tgt Ion: 85 Resp: 103360

Ion Ratio Lower Upper

85 100

87 31.4 21.8 40.6



#3

Chloromethane

Concen: 25.395 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011908.D

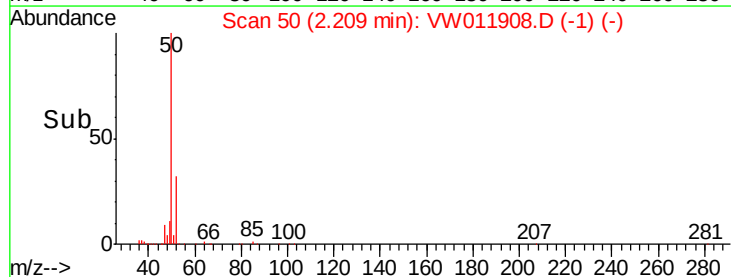
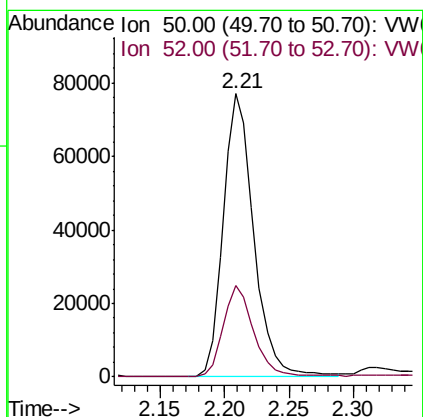
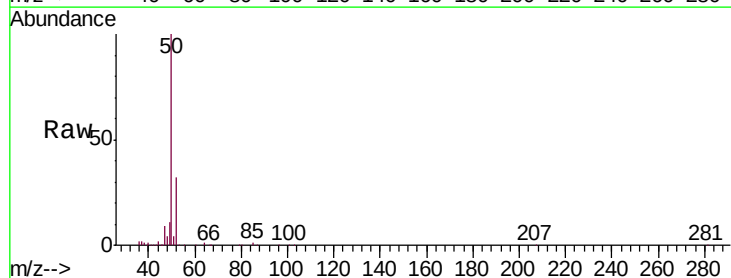
Acq: 14 Aug 2019 09:24

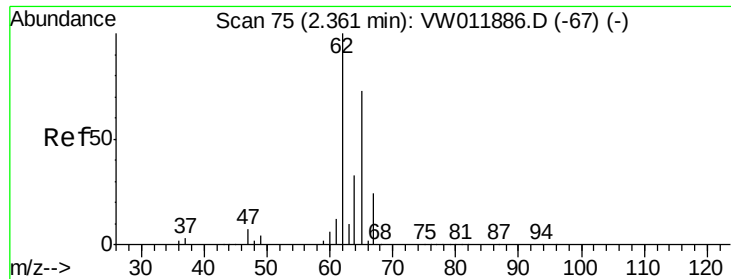
Tgt Ion: 50 Resp: 127184

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.1





#5

Vinyl chloride

Concen: 26.027 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

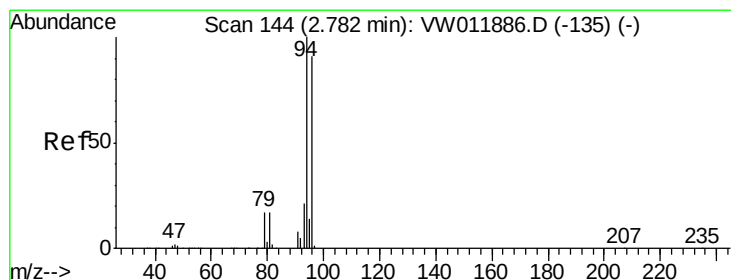
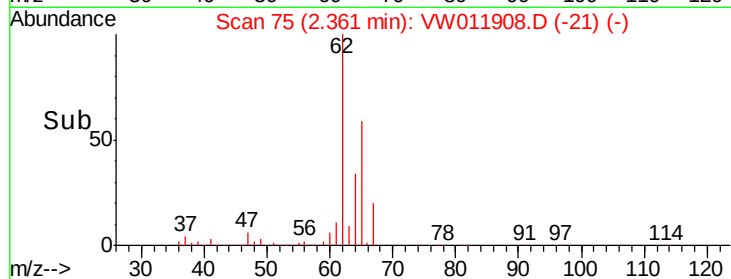
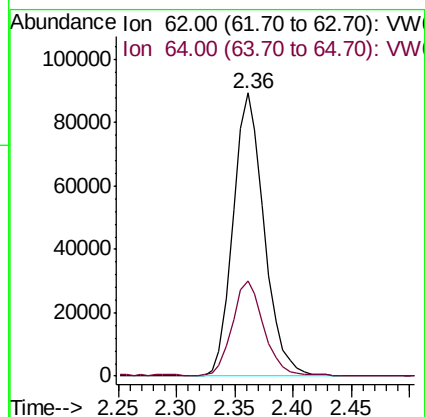
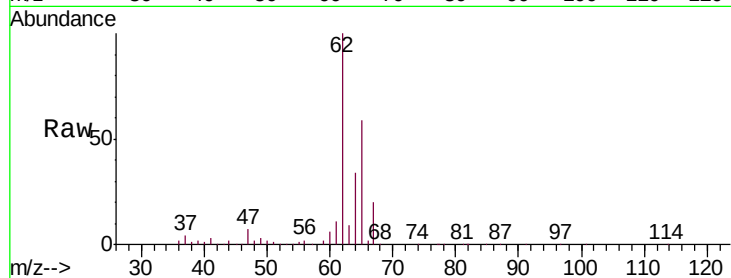
VSTD02514

Tgt Ion: 62 Resp: 166307

Ion Ratio Lower Upper

62 100

64 33.5 23.6 43.8



#6

Bromomethane

Concen: 26.423 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW011908.D

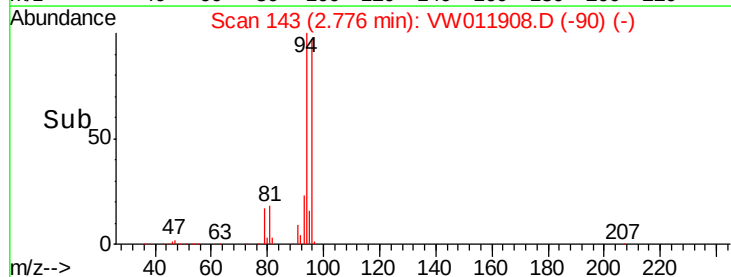
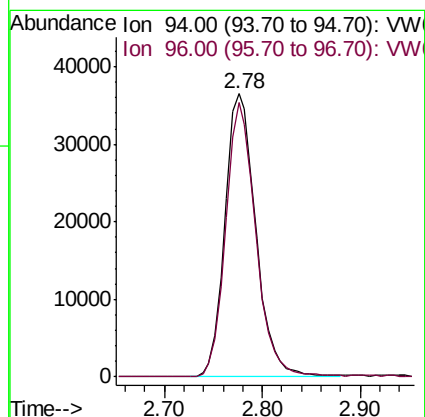
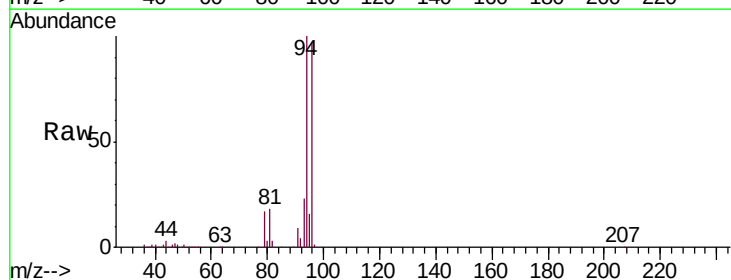
Acq: 14 Aug 2019 09:24

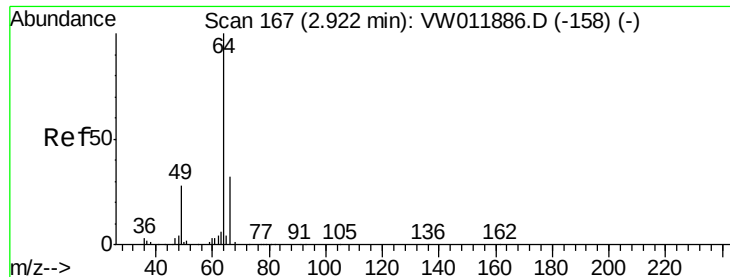
Tgt Ion: 94 Resp: 79596

Ion Ratio Lower Upper

94 100

96 94.2 9.3 175.9





#8

Chloroethane

Concen: 26.949 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

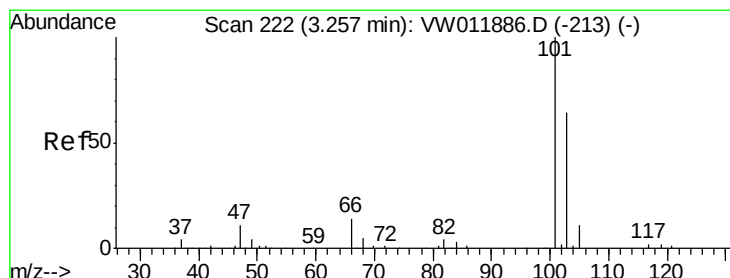
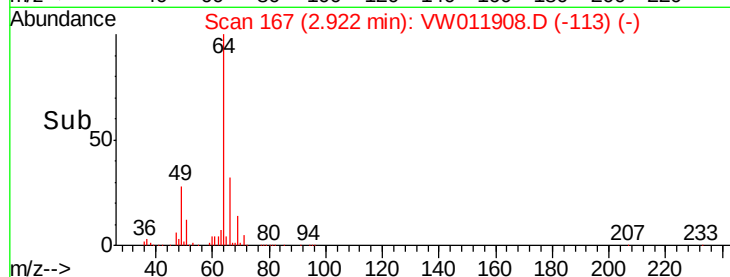
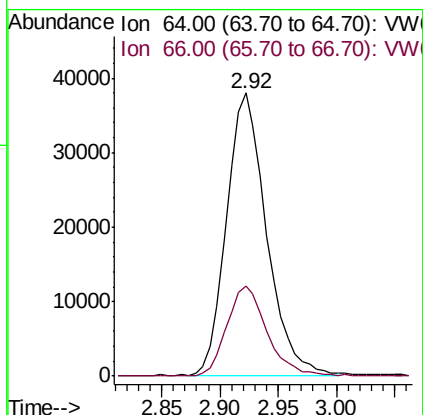
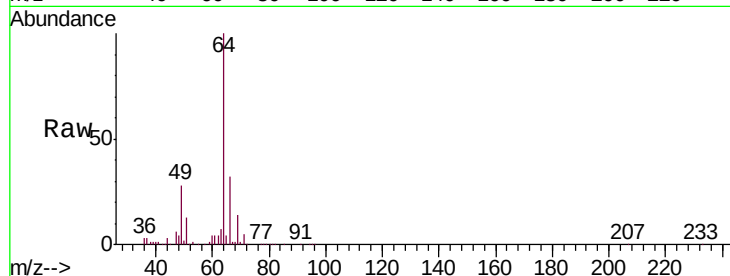
VSTD02514

Tgt Ion: 64 Resp: 90059

Ion Ratio Lower Upper

64 100

66 31.8 22.0 40.8



#9

Trichlorofluoromethane

Concen: 27.823 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW011908.D

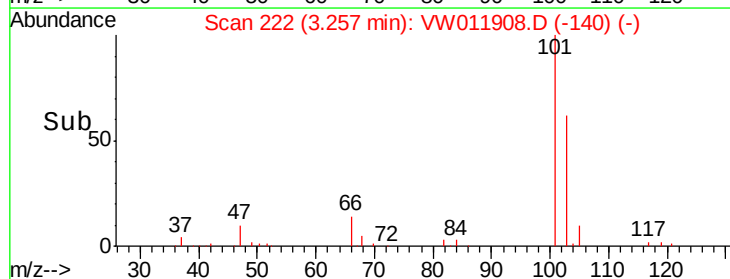
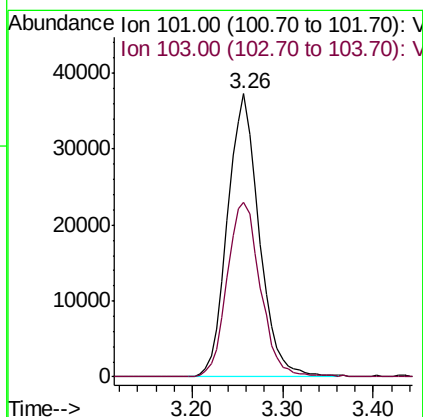
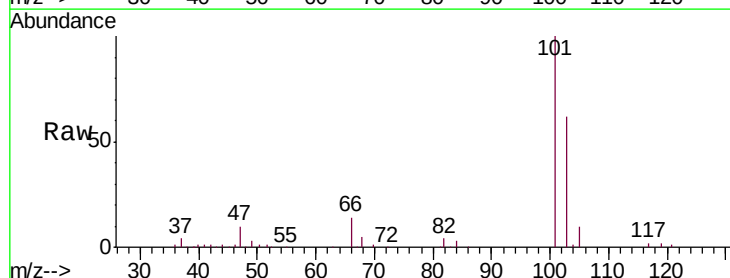
Acq: 14 Aug 2019 09:24

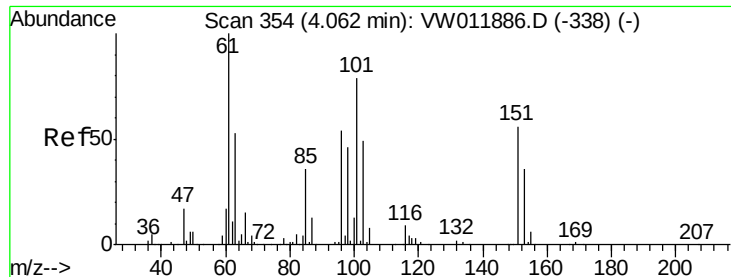
Tgt Ion: 101 Resp: 90562

Ion Ratio Lower Upper

101 100

103 64.6 44.3 82.3





#11

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

Concen: 27.688 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

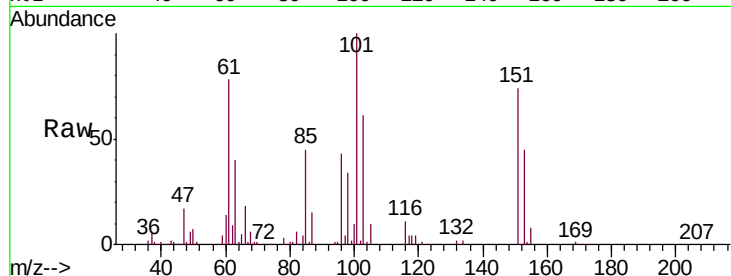
Tgt Ion: 101 Resp: 136635

Ion Ratio Lower Upper

101 100

85 44.3 37.0 55.4

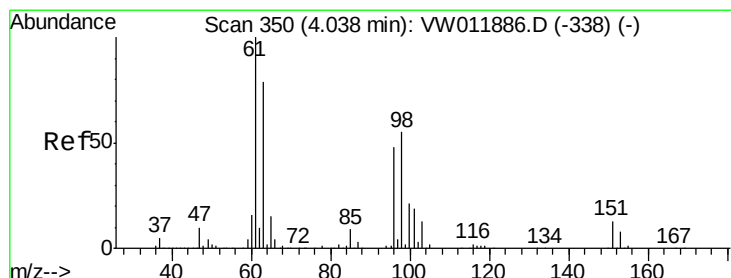
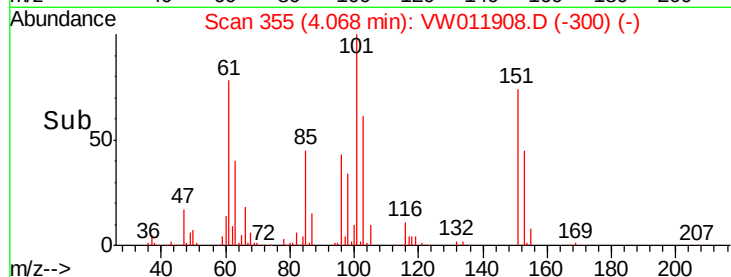
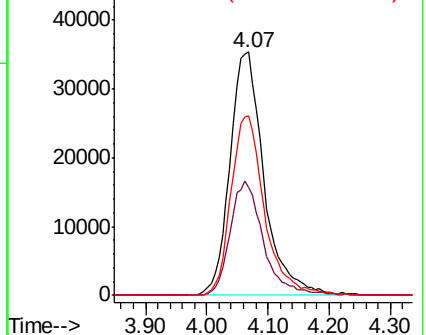
151 72.6 60.8 91.2



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: 26.957 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

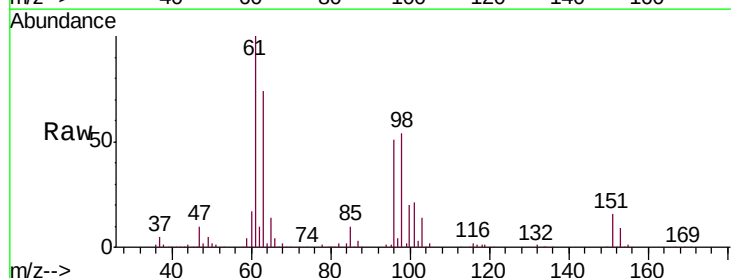
Tgt Ion: 96 Resp: 133013

Ion Ratio Lower Upper

96 100

61 195.5 135.0 250.8

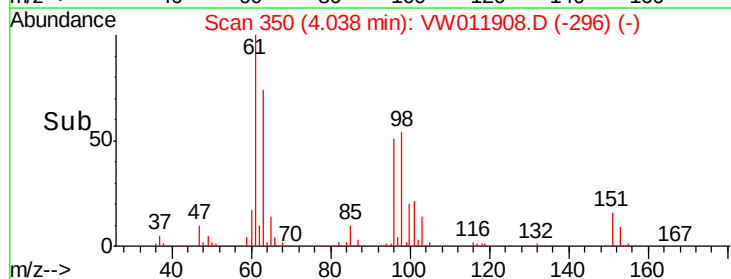
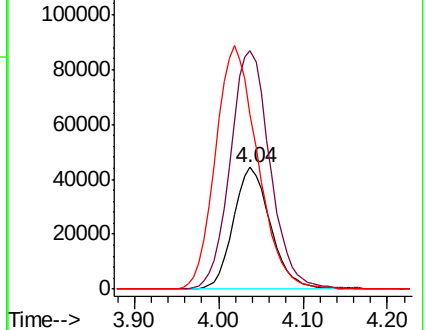
63 143.9 89.2 165.8

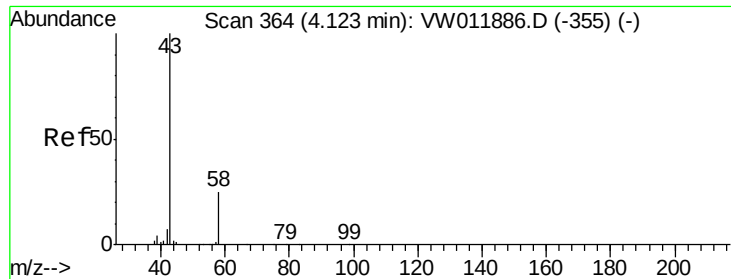


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.470 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

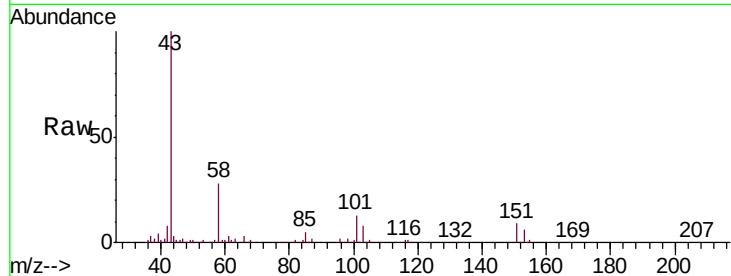
VSTD02514

Tgt Ion: 43 Resp: 101411

Ion Ratio Lower Upper

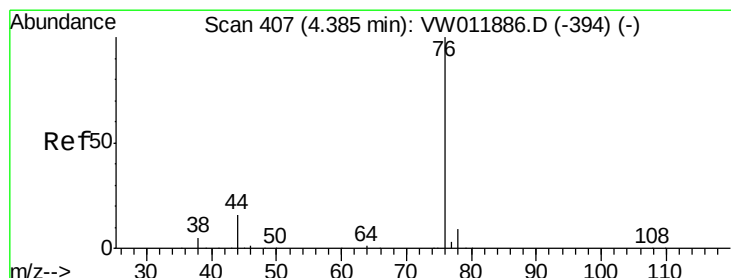
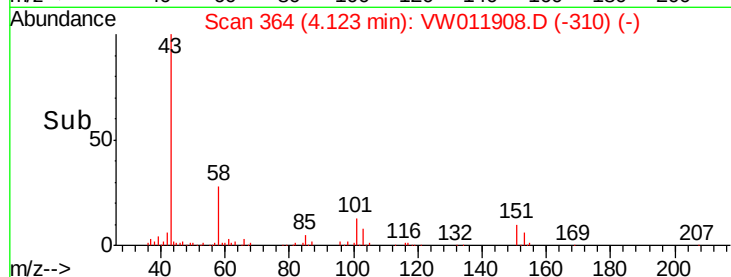
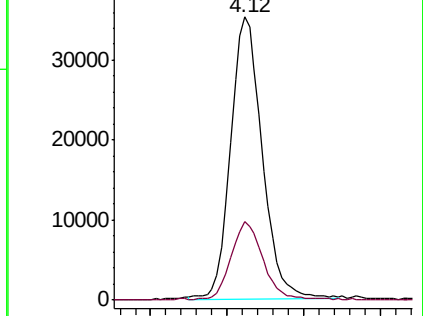
43 100

58 28.0 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.214 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011908.D

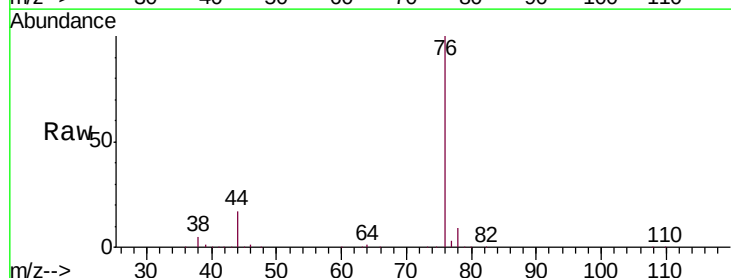
Acq: 14 Aug 2019 09:24

Tgt Ion: 76 Resp: 405207

Ion Ratio Lower Upper

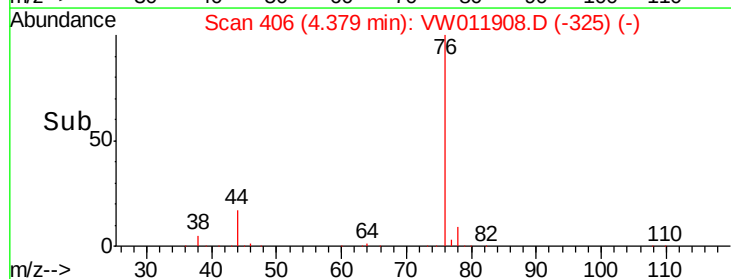
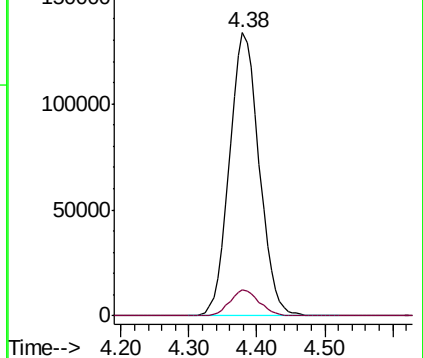
76 100

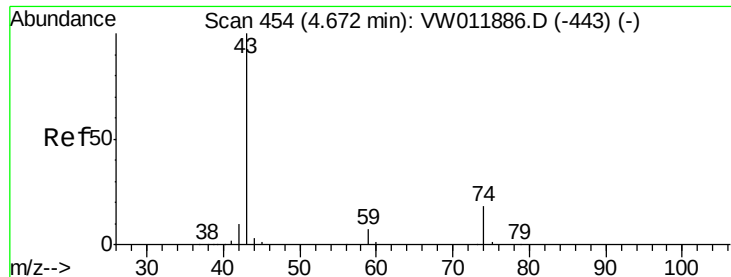
78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

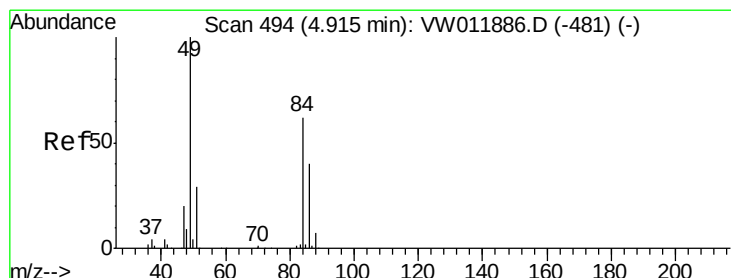
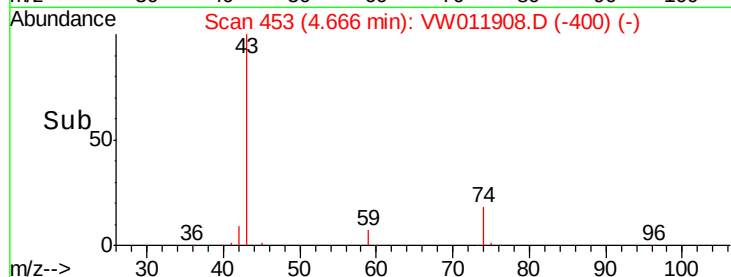
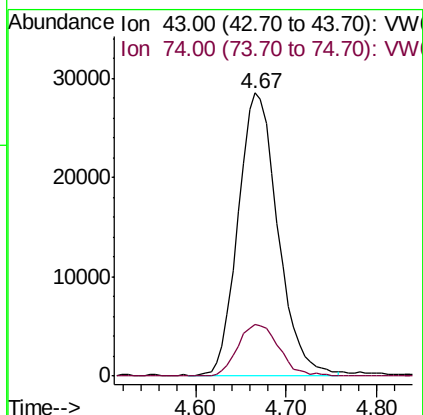
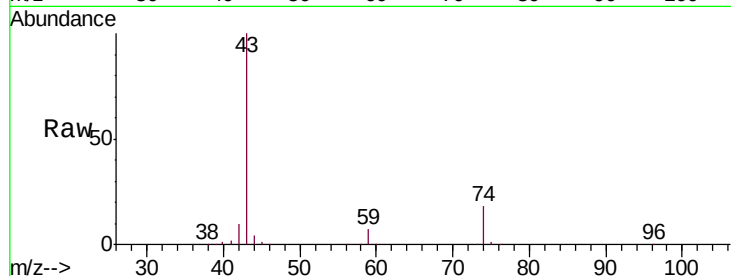




#15
Methyl Acetate
Concen: 22.566 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011908.D
Acq: 14 Aug 2019 09:24

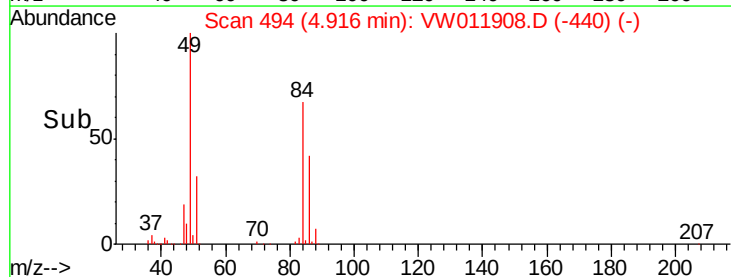
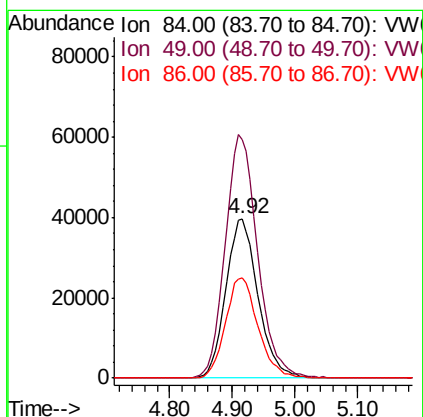
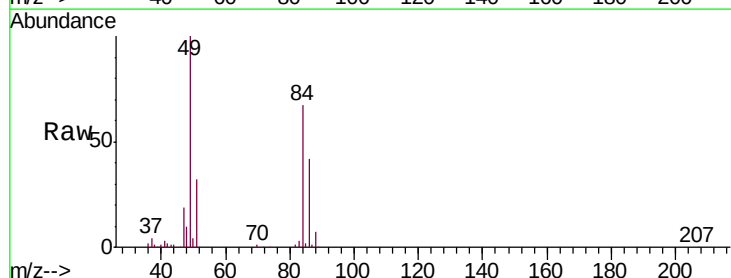
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

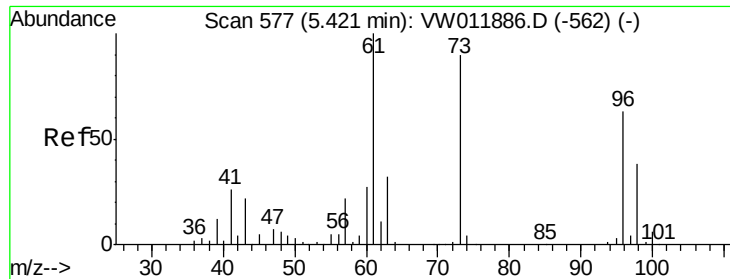
Tgt Ion: 43 Resp: 86072
Ion Ratio Lower Upper
43 100
74 19.2 15.0 22.4



#16
Methylene chloride
Concen: 26.300 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011908.D
Acq: 14 Aug 2019 09:24

Tgt Ion: 84 Resp: 141000
Ion Ratio Lower Upper
84 100
49 149.4 106.8 198.4
86 63.1 42.8 79.4

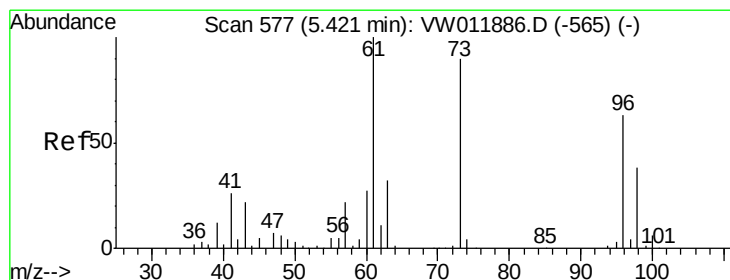
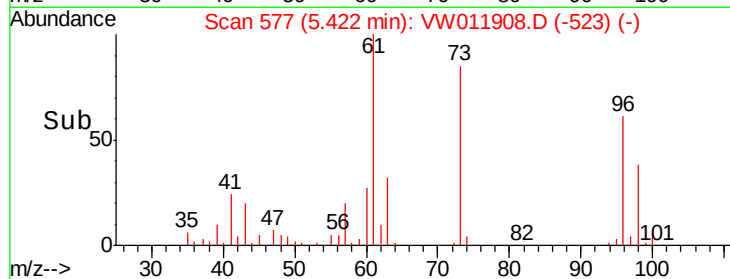
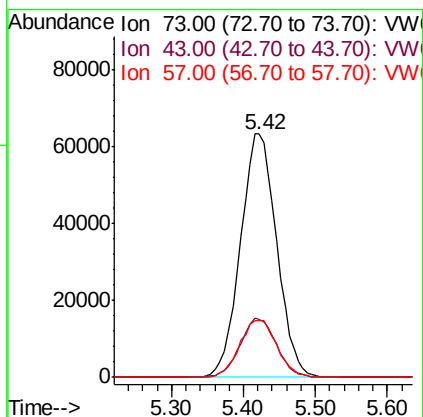
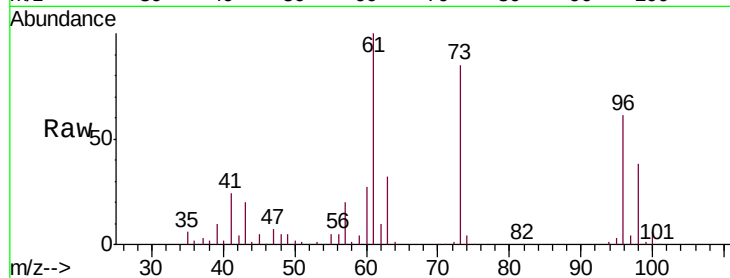




#17
Methyl tert-butyl Ether
Concen: 26.977 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011908.D
Acq: 14 Aug 2019 09:24

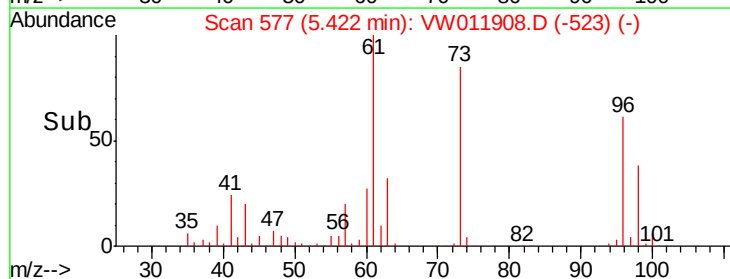
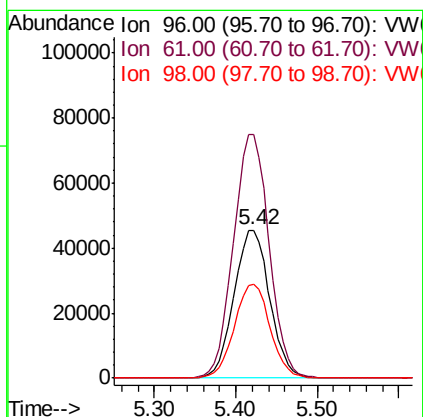
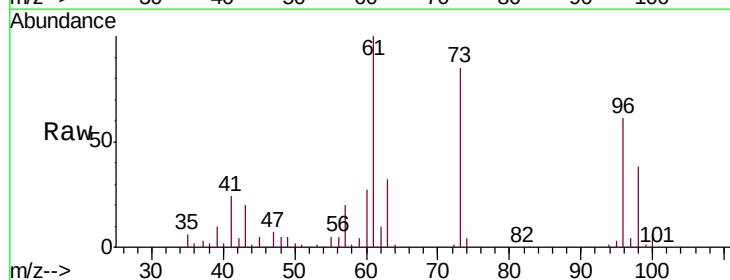
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

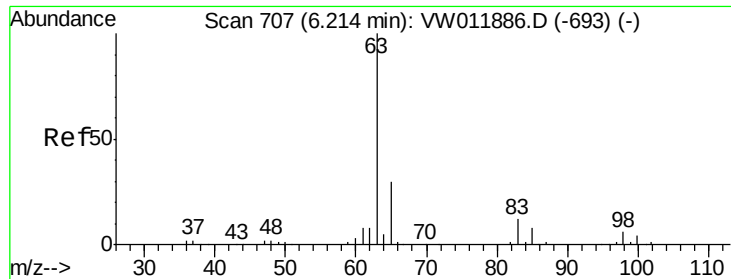
Tgt Ion: 73 Resp: 221668
Ion Ratio Lower Upper
73 100
43 24.5 19.3 28.9
57 24.0 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 27.065 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011908.D
Acq: 14 Aug 2019 09:24

Tgt Ion: 96 Resp: 137974
Ion Ratio Lower Upper
96 100
61 164.8 114.2 212.0
98 63.3 45.6 84.6

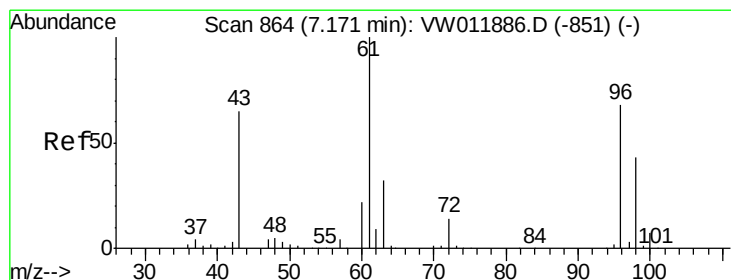
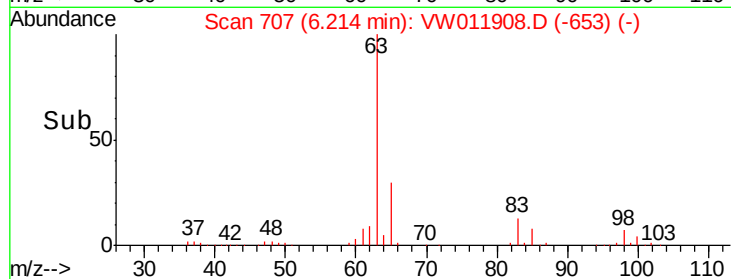
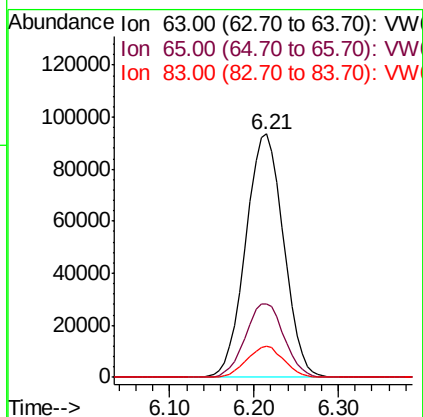
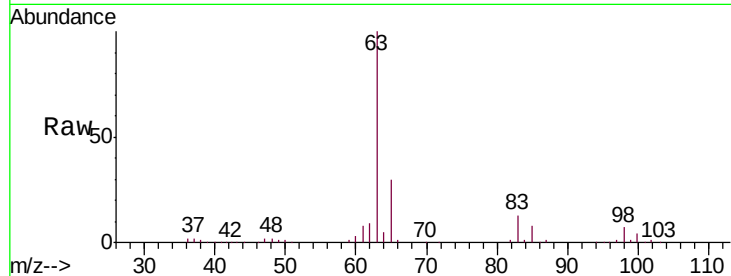




#19
 1,1-Dichloroethane
 Concen: 28.132 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

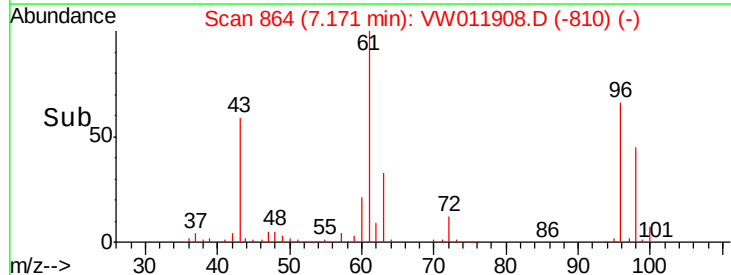
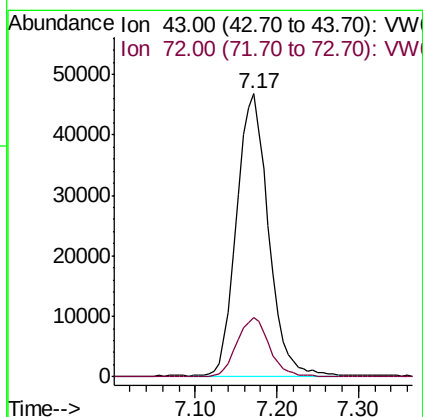
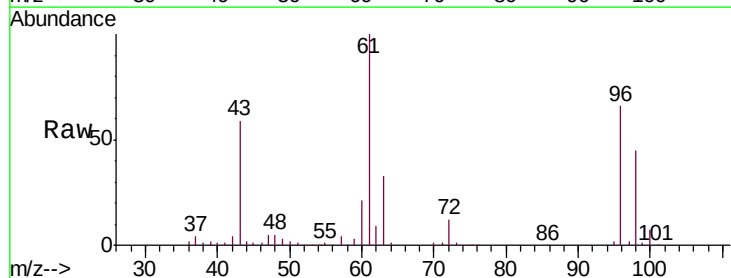
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

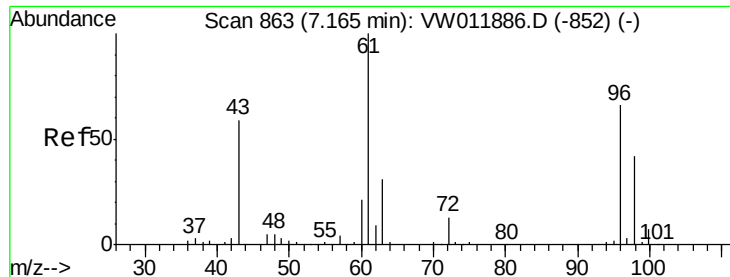
Tgt Ion: 63 Resp: 286495
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.7 40.3
 83 12.6 8.4 15.6



#21
 2-Butanone
 Concen: 43.112 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

Tgt Ion: 43 Resp: 126100
 Ion Ratio Lower Upper
 43 100
 72 21.3 10.7 32.1



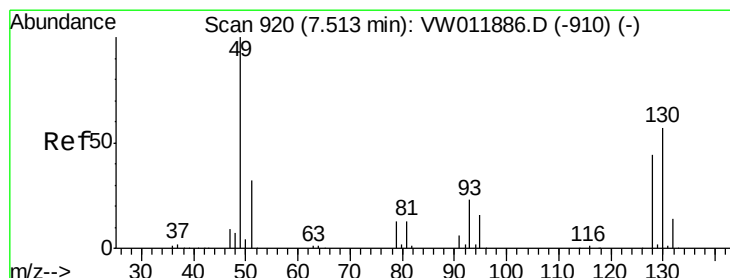
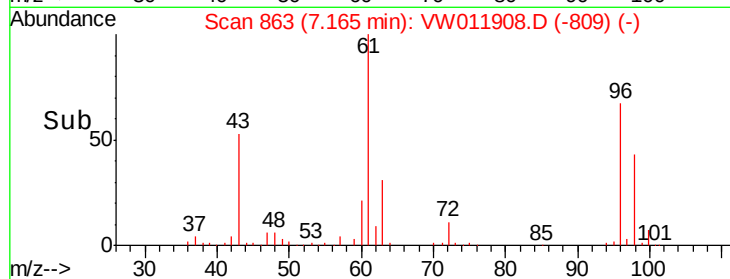
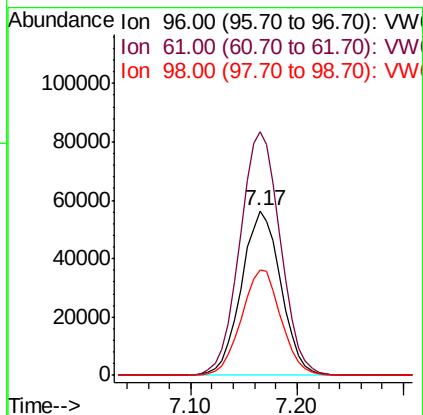
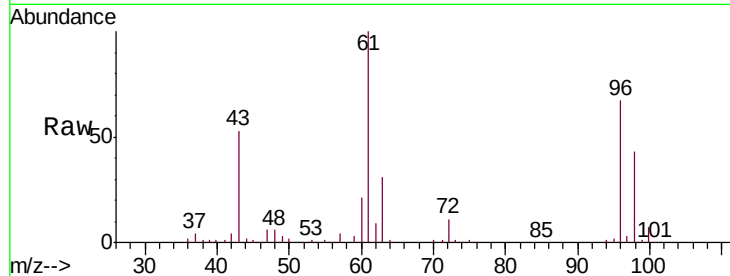


#22

cis-1,2-Dichloroethene
 Concen: 27.514 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02514

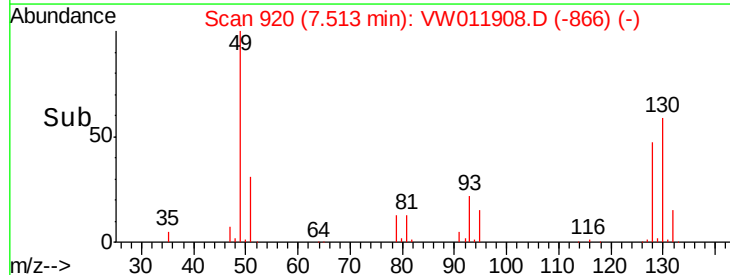
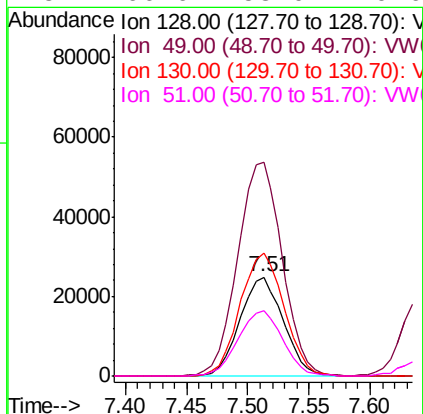
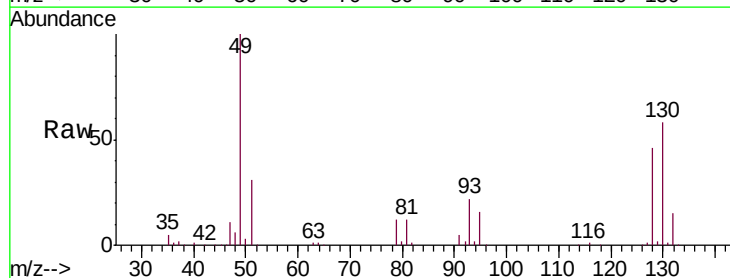
Tgt Ion: 96 Resp: 146743
 Ion Ratio Lower Upper
 96 100
 61 148.2 103.9 192.9
 98 64.2 43.5 80.9

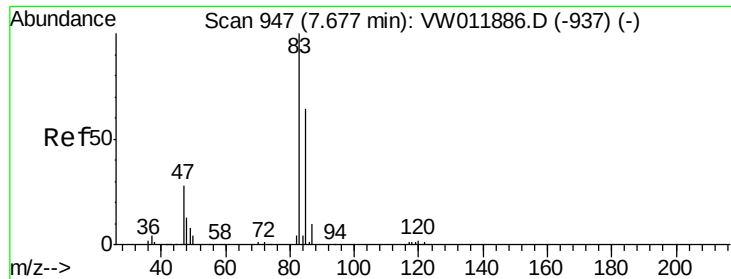


#23

Bromochloromethane
 Concen: 27.049 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

Tgt Ion: 128 Resp: 61382
 Ion Ratio Lower Upper
 128 100
 49 216.3 153.6 285.3
 130 124.6 89.5 166.3
 51 66.6 53.0 79.6

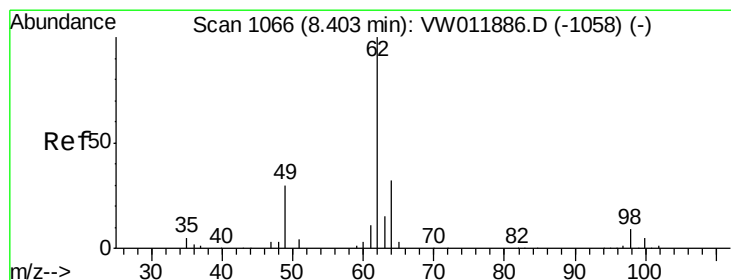
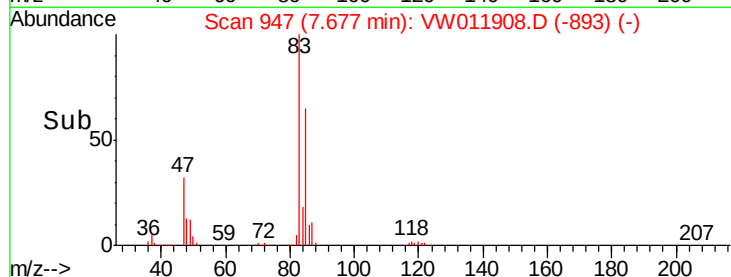
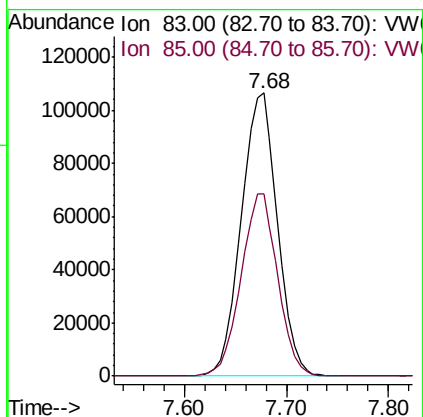
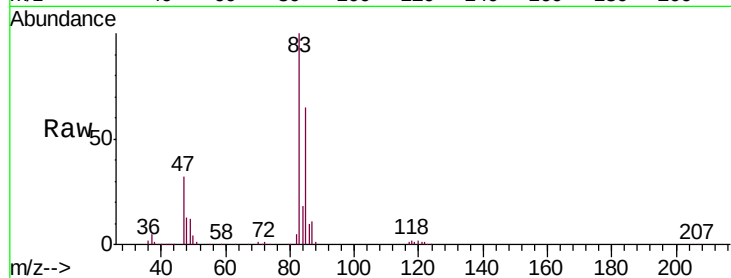




#25
Chloroform
Concen: 27.941 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW011908.D
Acq: 14 Aug 2019 09:24

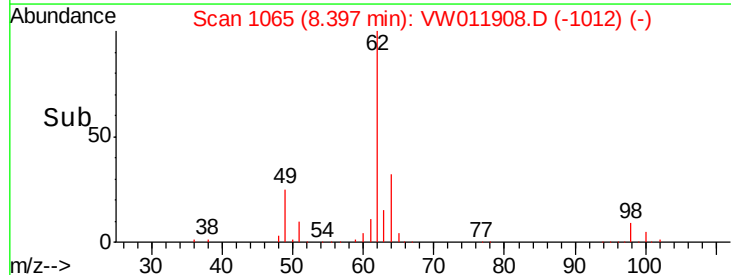
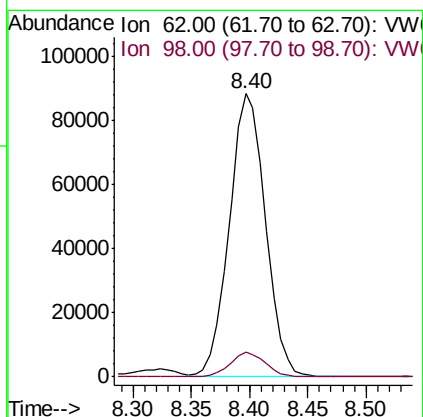
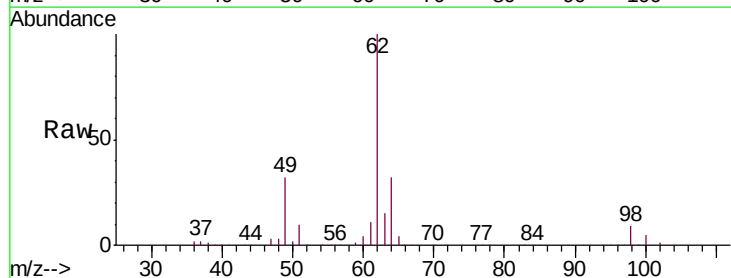
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

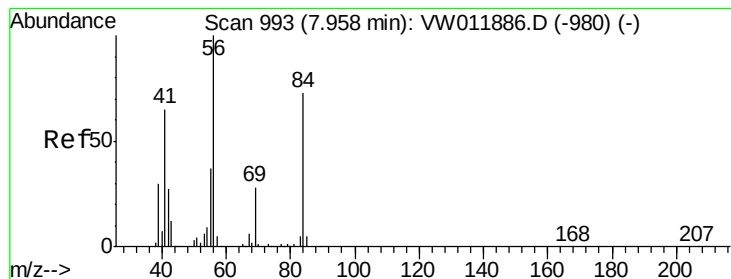
Tgt Ion: 83 Resp: 262268
Ion Ratio Lower Upper
83 100
85 65.1 45.4 84.2



#27
1,2-Dichloroethane
Concen: 27.431 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW011908.D
Acq: 14 Aug 2019 09:24

Tgt Ion: 62 Resp: 190612
Ion Ratio Lower Upper
62 100
98 8.7 7.2 10.8





#30

Cyclohexane

Concen: 27.654 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

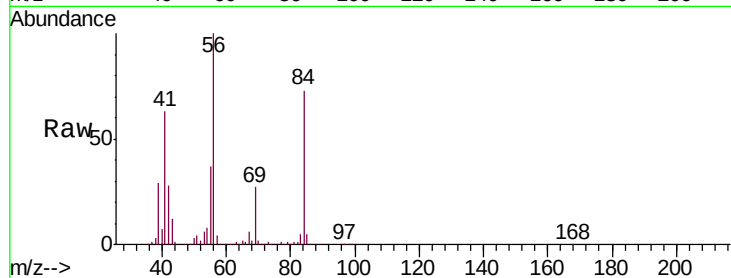
Tgt Ion: 56 Resp: 286750

Ion Ratio Lower Upper

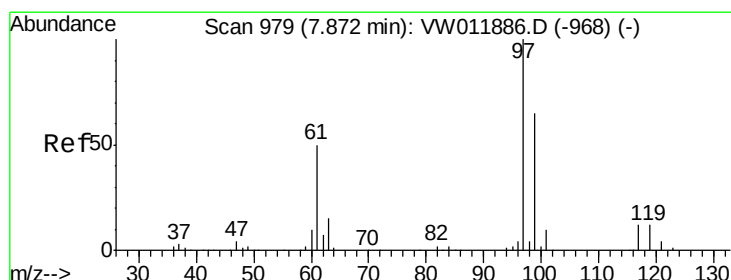
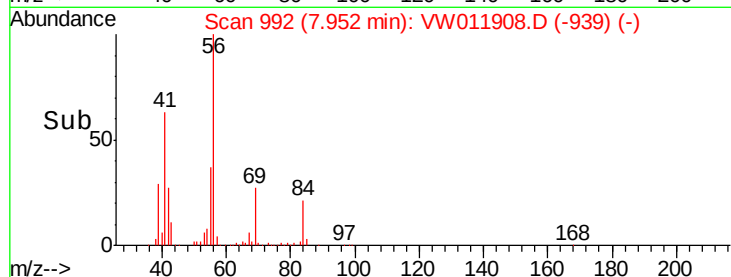
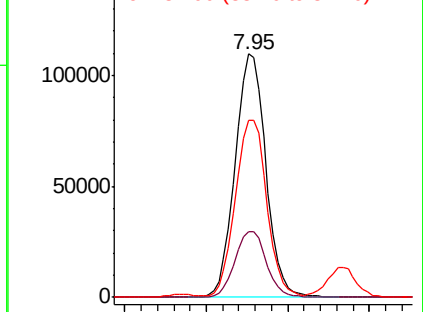
56 100

69 27.8 22.4 33.6

84 74.7 60.6 91.0



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 28.861 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

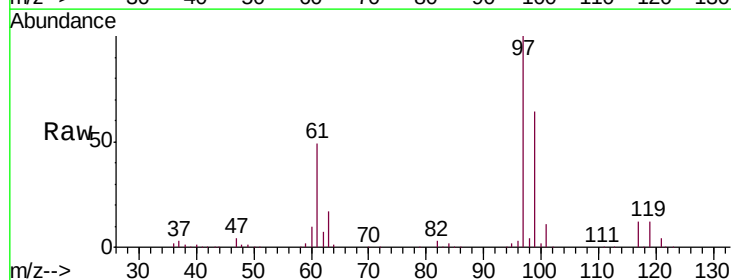
Tgt Ion: 97 Resp: 209779

Ion Ratio Lower Upper

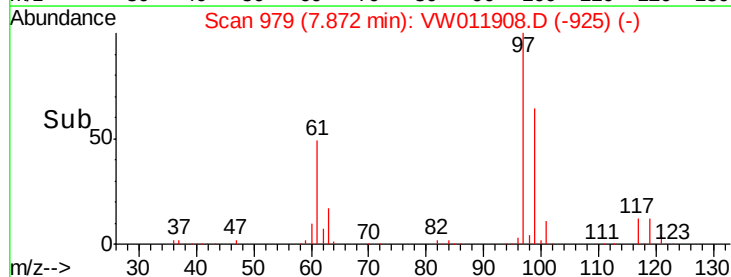
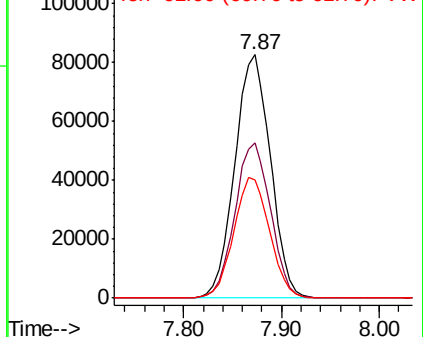
97 100

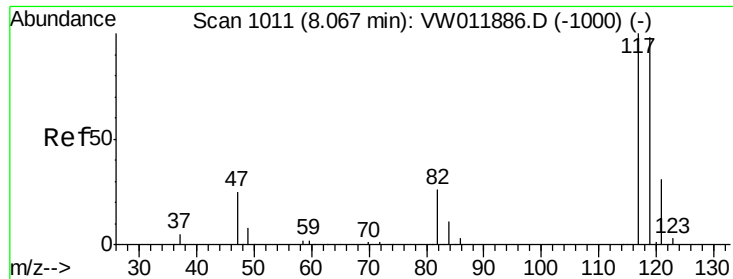
99 63.8 52.1 78.1

61 49.5 40.3 60.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 28.621 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

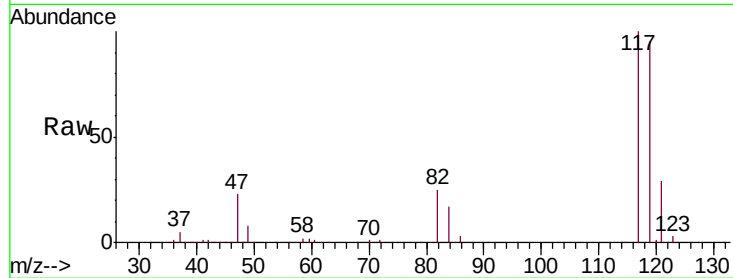
VSTD02514

Tgt Ion:117 Resp: 195711

Ion Ratio Lower Upper

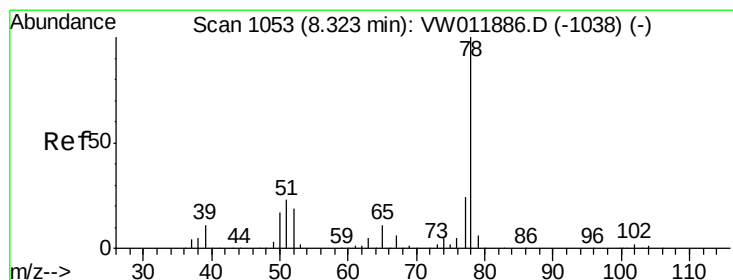
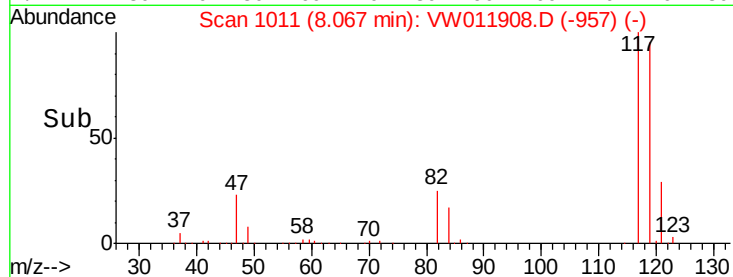
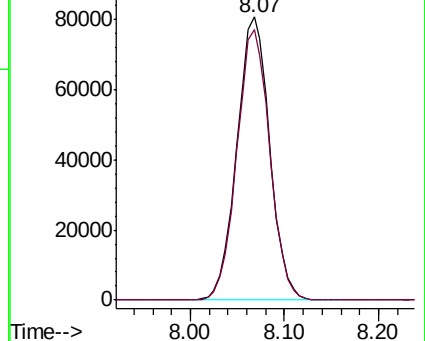
117 100

119 95.9 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.161 ug/L

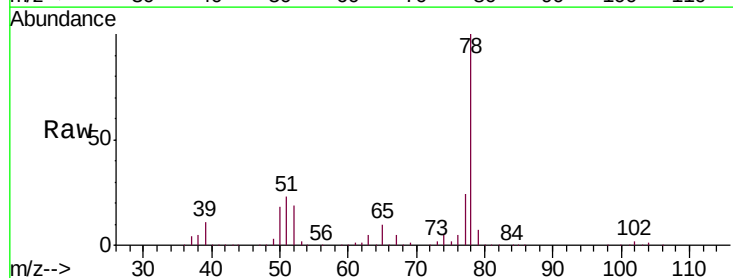
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

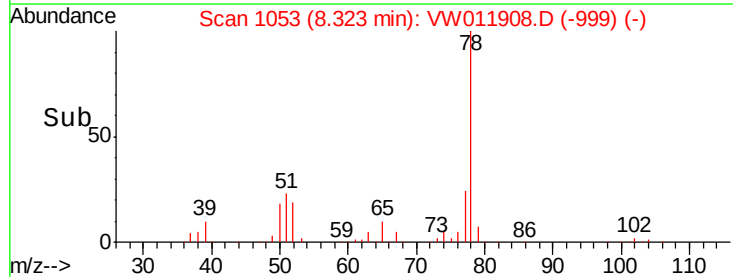
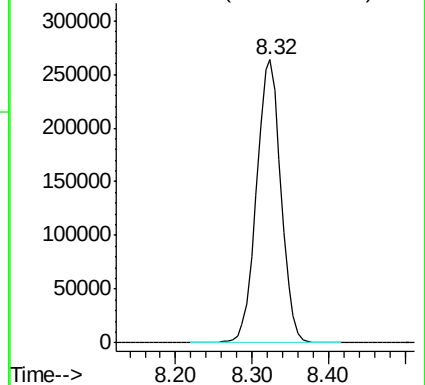
Lab File: VW011908.D

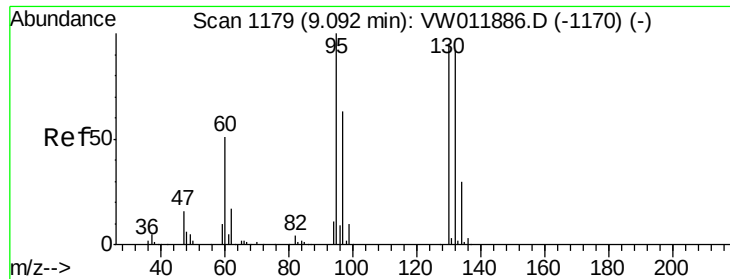
Acq: 14 Aug 2019 09:24

Tgt Ion: 78 Resp: 588687



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 27.932 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tgt Ion: 95 Resp: 148233

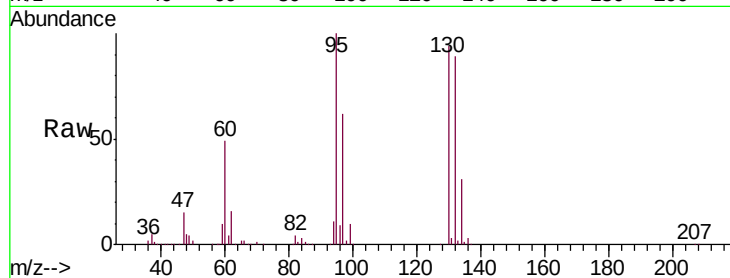
Ion Ratio Lower Upper

95 100

97 64.3 44.8 83.2

132 92.0 65.0 120.6

130 96.3 68.0 126.4

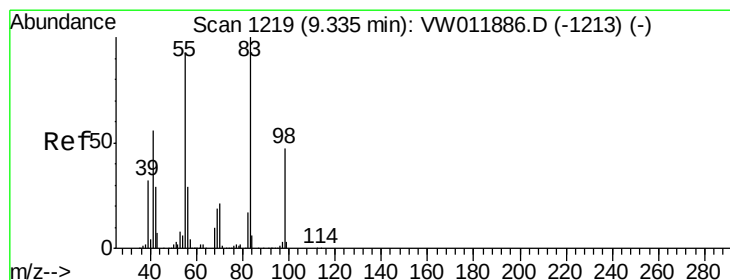
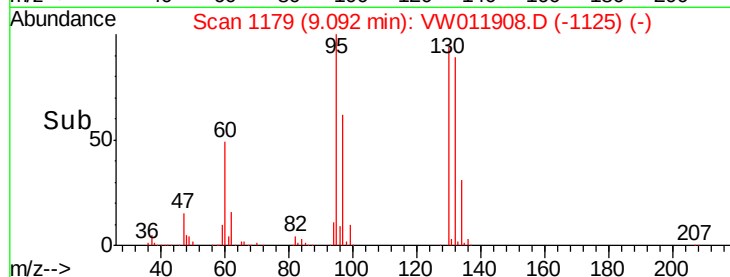
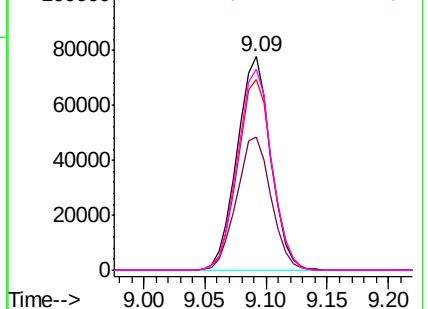


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 27.708 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

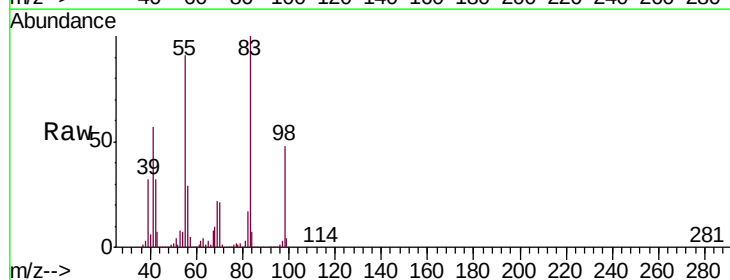
Tgt Ion: 83 Resp: 266760

Ion Ratio Lower Upper

83 100

55 91.2 72.6 108.8

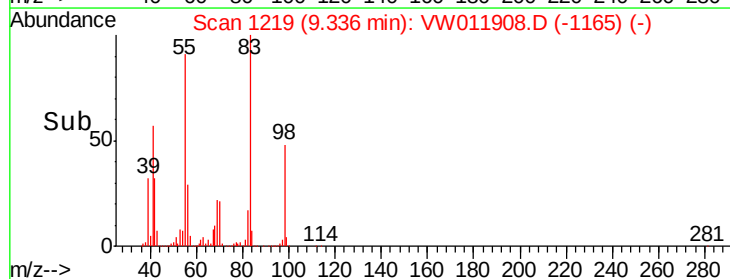
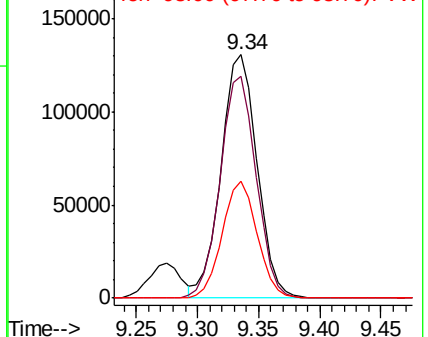
98 46.9 37.8 56.6

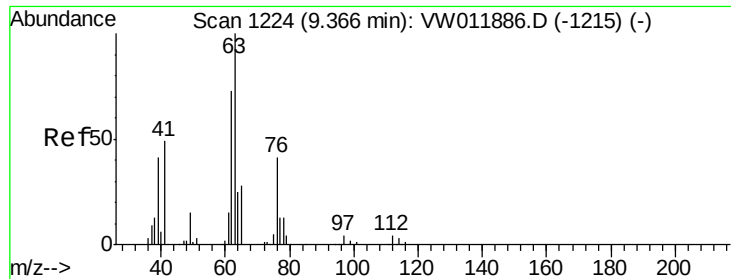


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

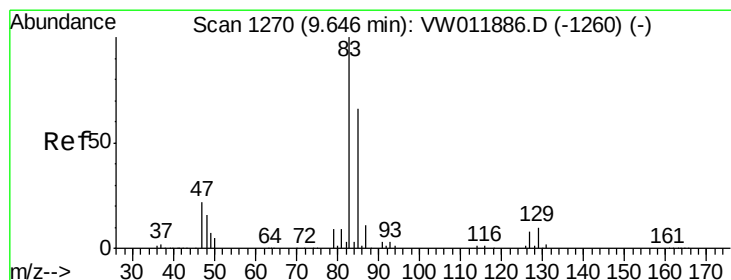
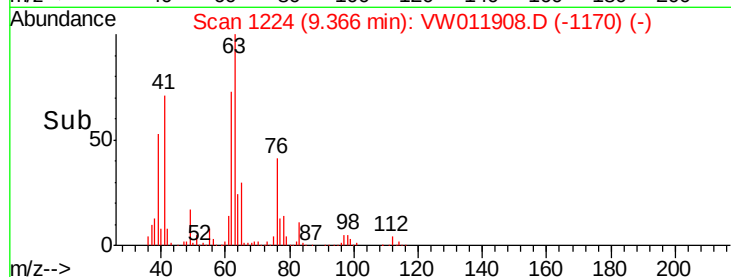
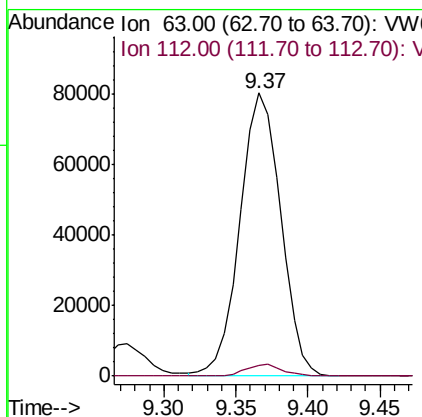
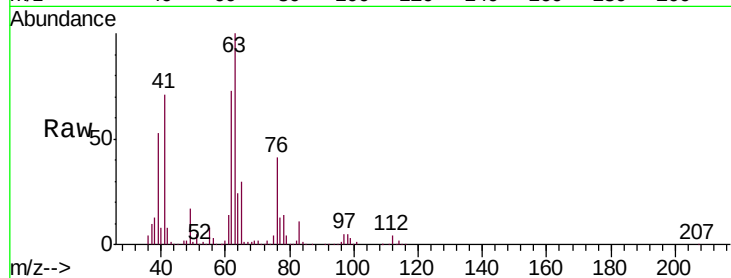




#40
 1,2-Dichloropropane
 Concen: 28.437 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

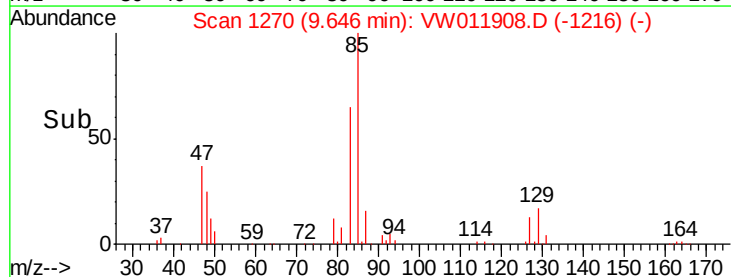
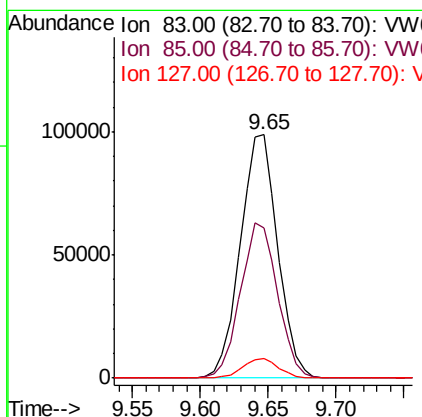
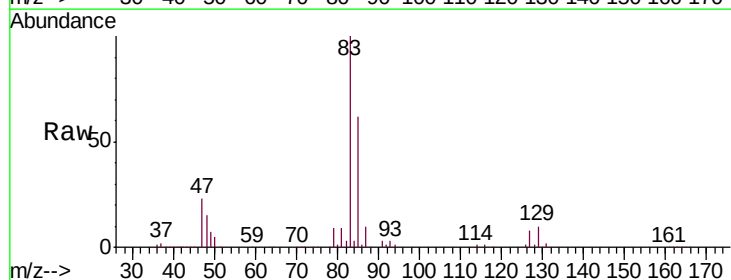
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

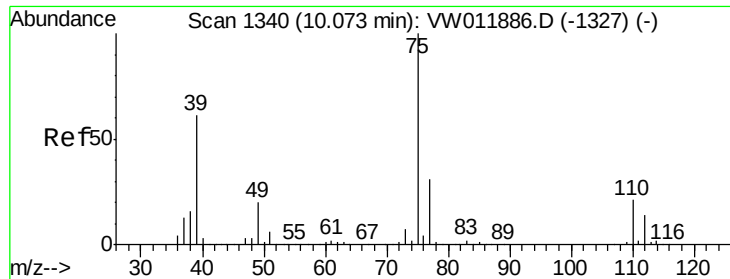
Tgt Ion: 63 Resp: 158677
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#41
 Bromodichloromethane
 Concen: 28.831 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

Tgt Ion: 83 Resp: 189839
 Ion Ratio Lower Upper
 83 100
 85 61.8 44.0 81.6
 127 7.8 6.5 9.7

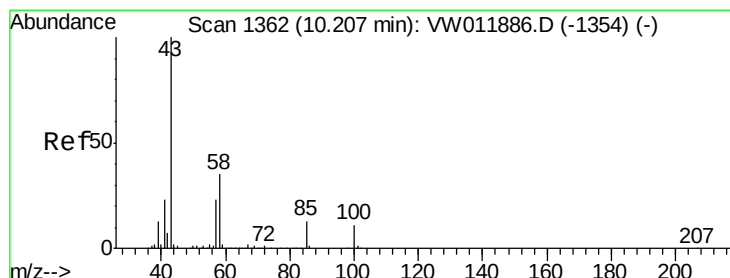
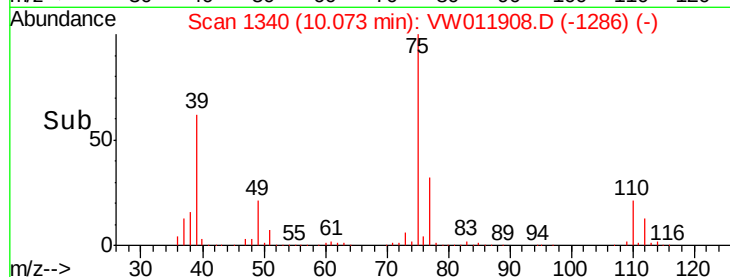
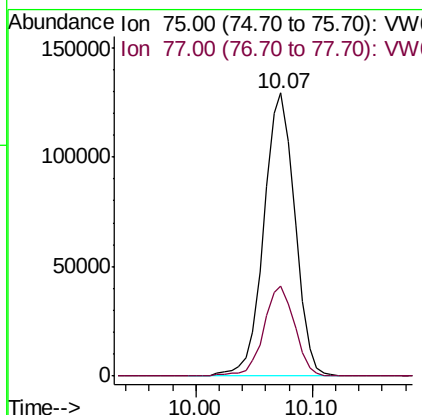
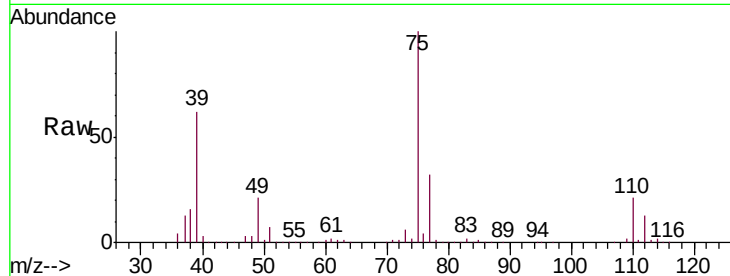




#42
 cis-1,3-Dichloropropene
 Concen: 28.504 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

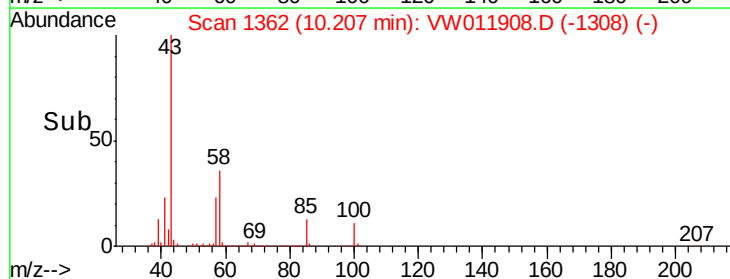
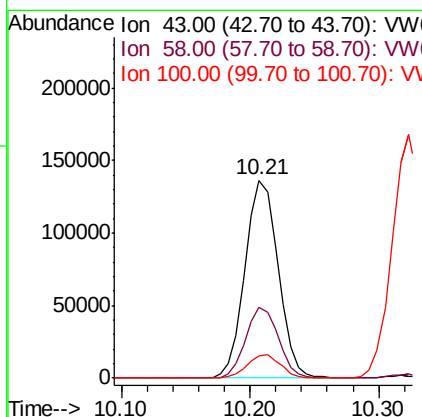
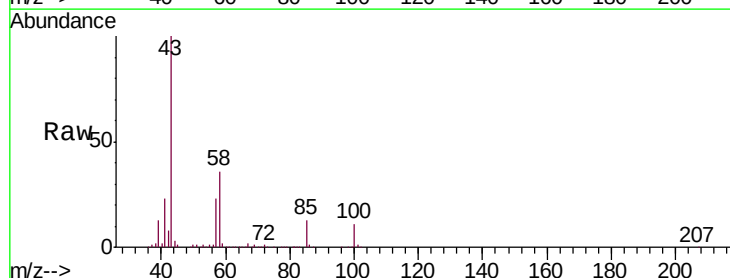
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

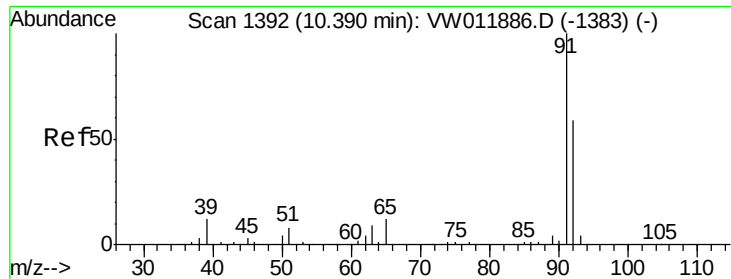
Tgt Ion: 75 Resp: 237902
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 48.044 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

Tgt Ion: 43 Resp: 242900
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.0 42.0
 100 11.8 9.4 14.2





#44

Toluene

Concen: 28.539 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

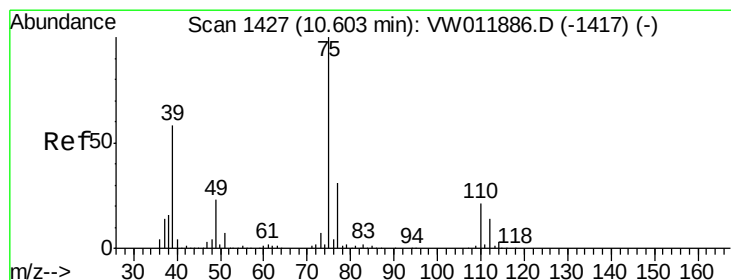
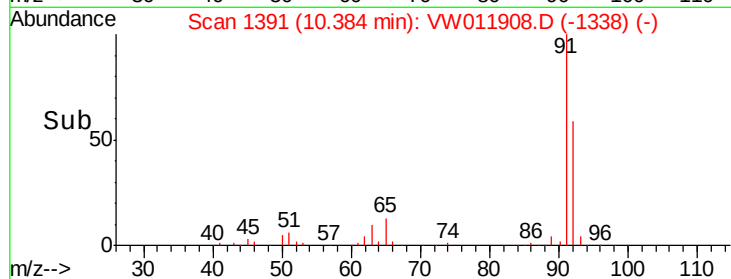
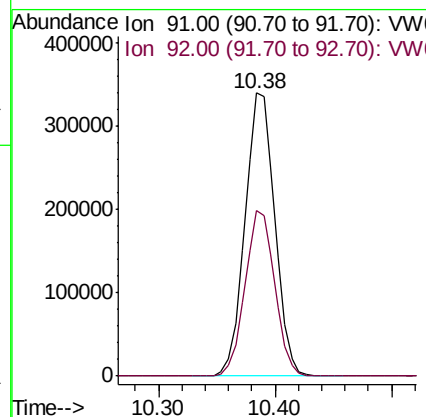
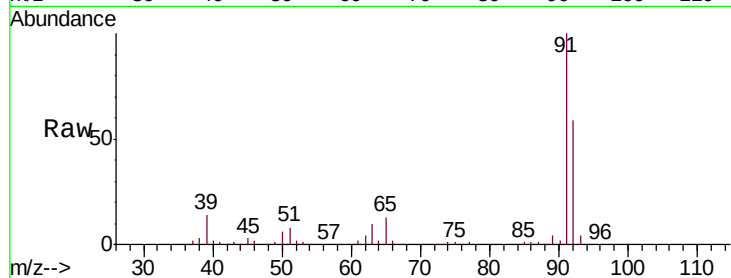
VSTD02514

Tgt Ion: 91 Resp: 606109

Ion Ratio Lower Upper

91 100

92 58.7 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 27.901 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011908.D

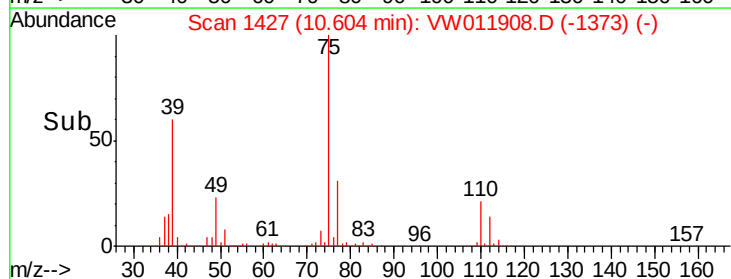
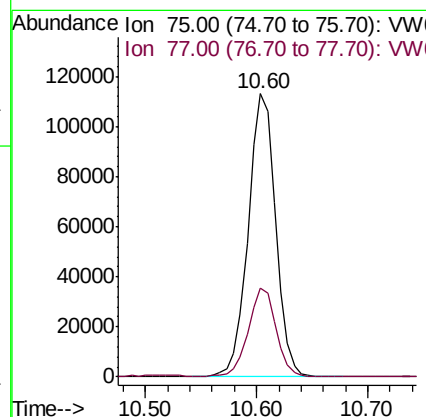
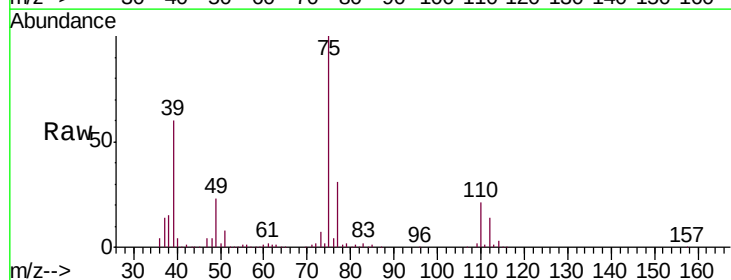
Acq: 14 Aug 2019 09:24

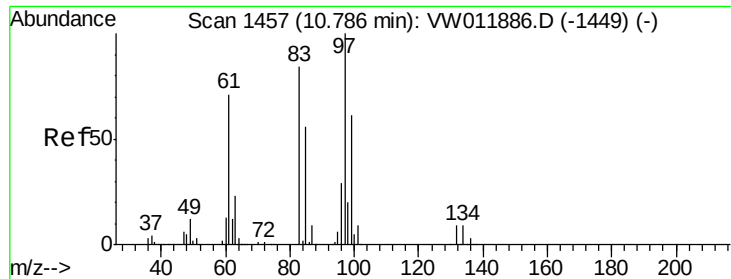
Tgt Ion: 75 Resp: 193749

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.0

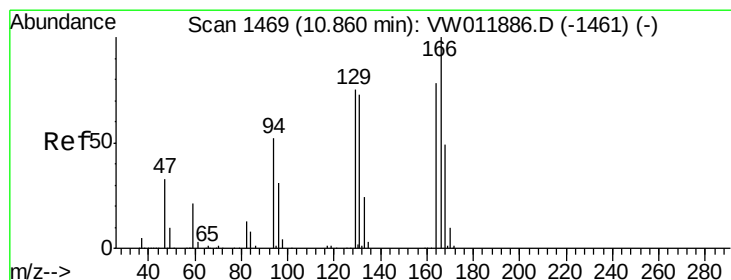
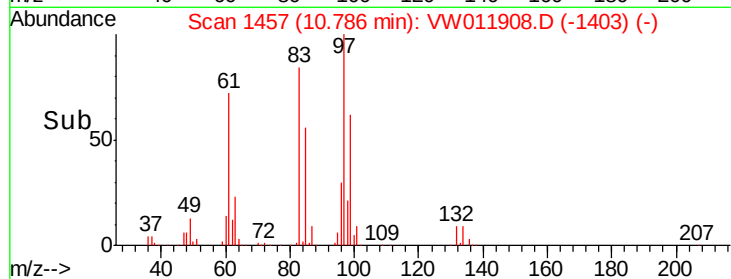
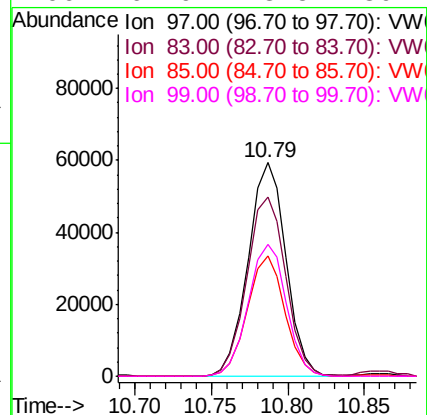
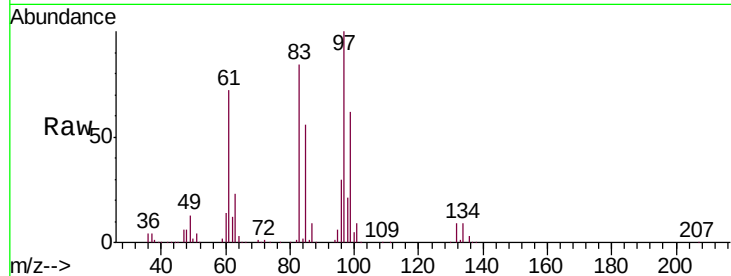




#46
 1,1,2-Trichloroethane
 Concen: 26.827 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

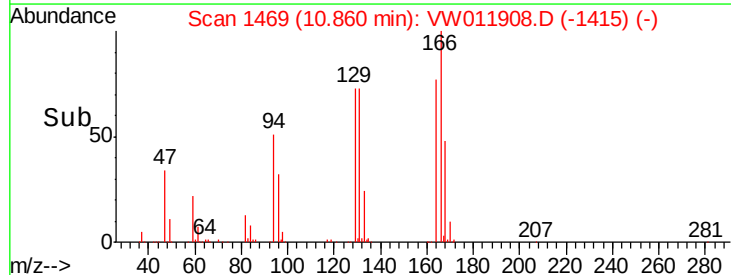
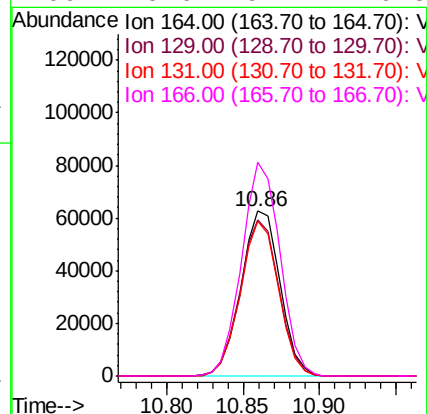
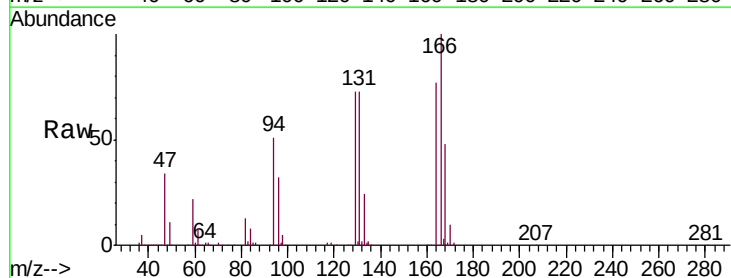
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02514

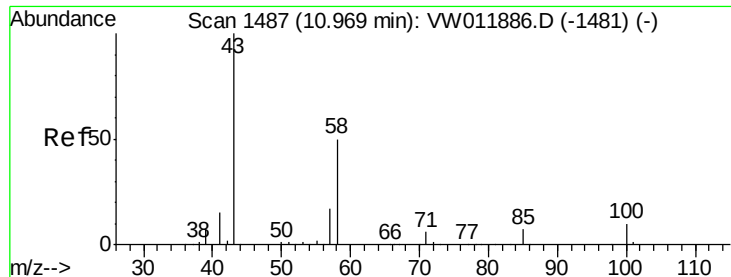
Tgt Ion:	97	Resp:	102061
Ion	Ratio	Lower	Upper
97	100		
83	84.0	63.8	118.6
85	56.4	39.3	72.9
99	61.9	43.5	80.7



#47
 Tetrachloroethene
 Concen: 27.383 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

Tgt Ion:	164	Resp:	110998
Ion	Ratio	Lower	Upper
164	100		
129	94.9	64.0	119.0
131	94.0	58.6	108.8
166	129.6	91.7	170.3

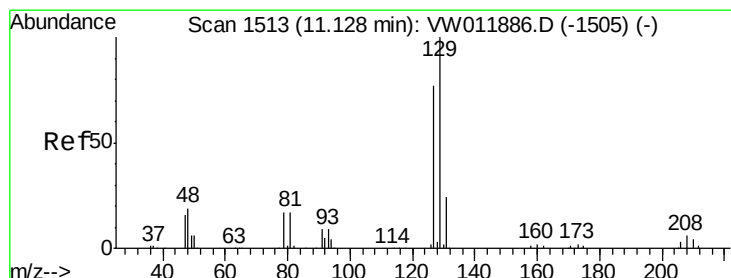
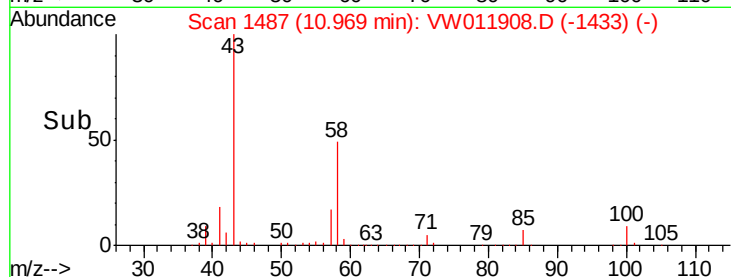
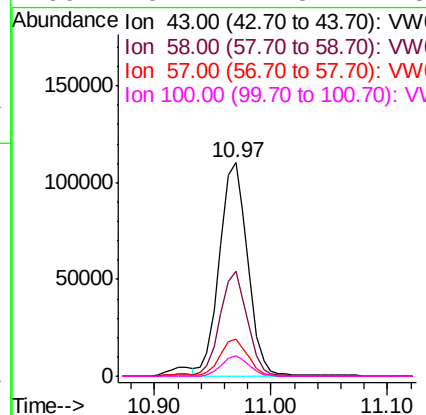
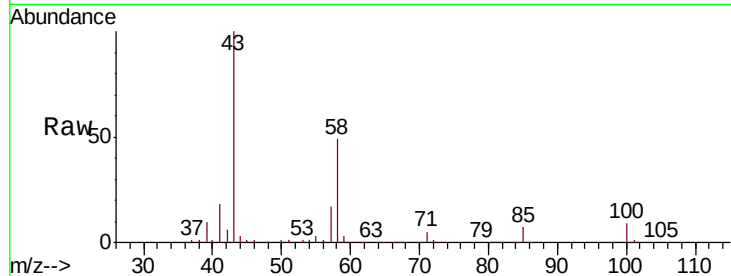




#49
2-Hexanone
Concen: 47.428 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011908.D
Acq: 14 Aug 2019 09:24

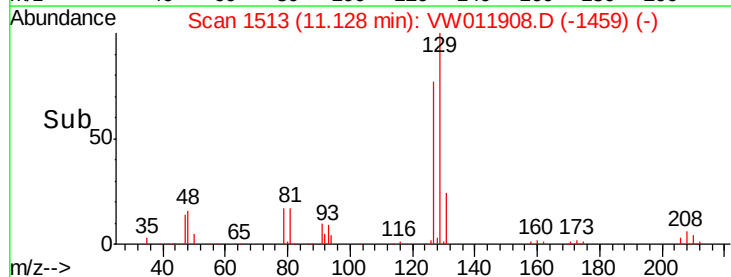
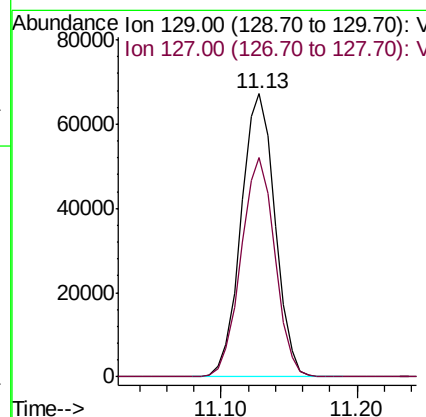
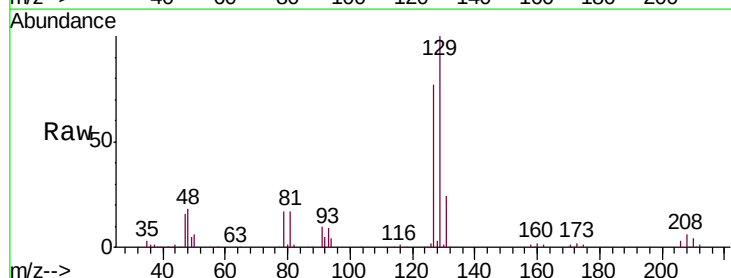
Instrument :
MSVOA_W
ClientSampled :
VSTD02514

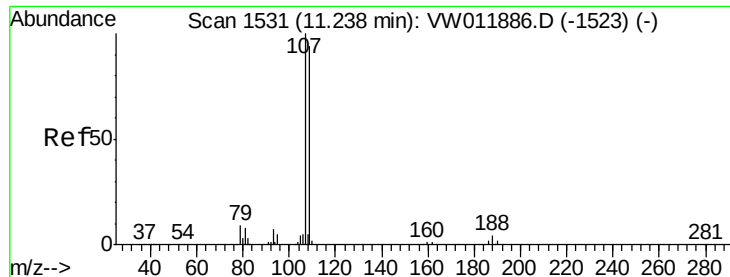
Tgt Ion: 43 Resp: 184739
Ion Ratio Lower Upper
43 100
58 48.5 38.6 57.8
57 17.1 13.0 19.6
100 9.1 7.5 11.3



#50
Dibromochloromethane
Concen: 28.000 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011908.D
Acq: 14 Aug 2019 09:24

Tgt Ion: 129 Resp: 117412
Ion Ratio Lower Upper
129 100
127 77.3 52.6 97.6

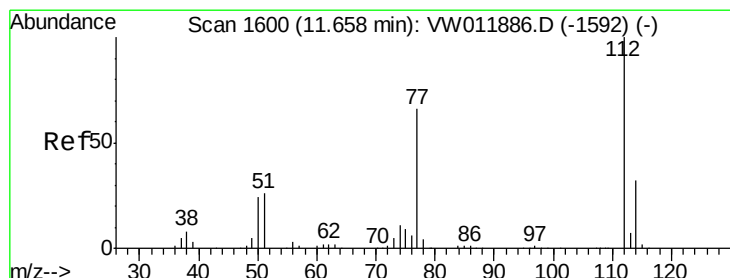
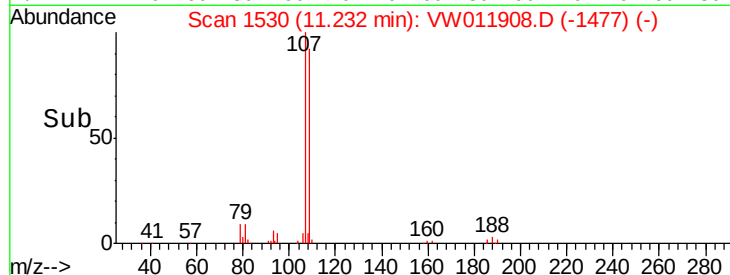
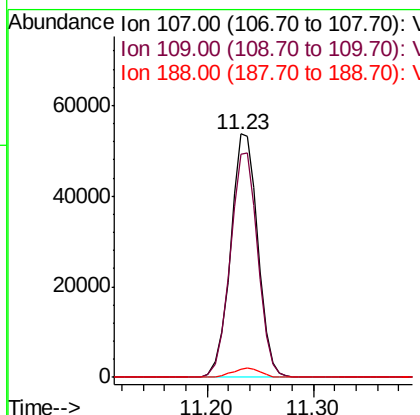
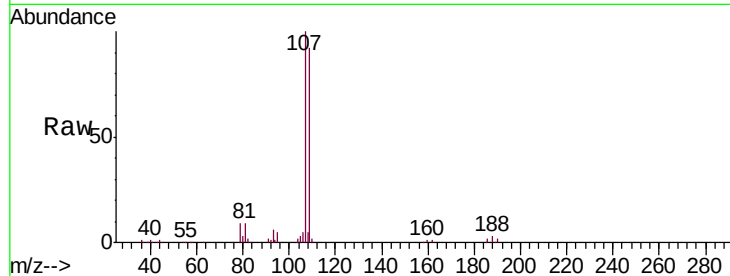




#51
 1,2-Dibromoethane
 Concen: 25.980 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

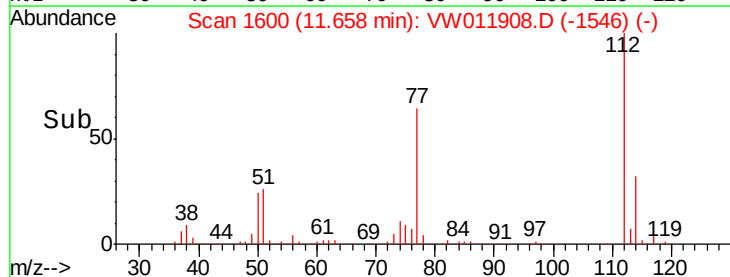
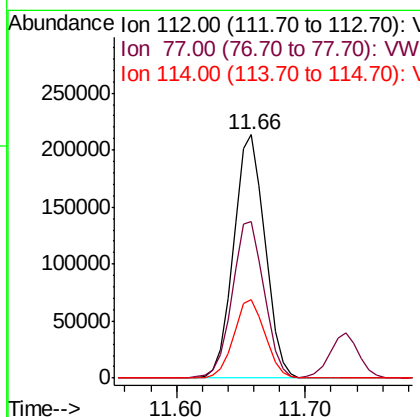
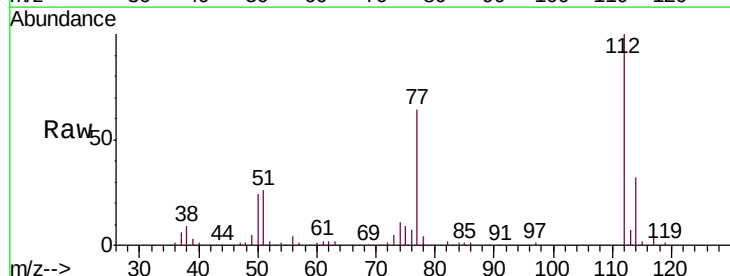
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

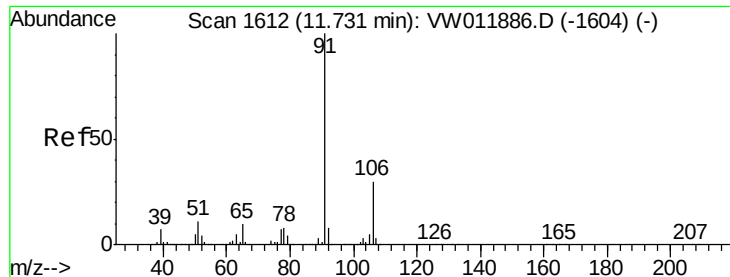
Tgt Ion:107 Resp: 96178
 Ion Ratio Lower Upper
 107 100
 109 91.8 66.1 122.8
 188 3.4 2.9 4.3



#52
 Chlorobenzene
 Concen: 28.090 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

Tgt Ion:112 Resp: 359935
 Ion Ratio Lower Upper
 112 100
 77 64.1 51.0 76.4
 114 32.4 22.4 41.6





#53

Ethylbenzene

Concen: 28.682 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

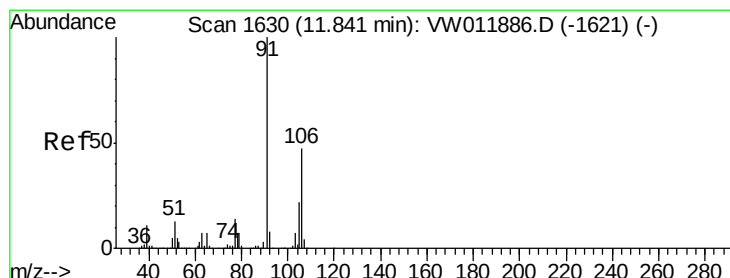
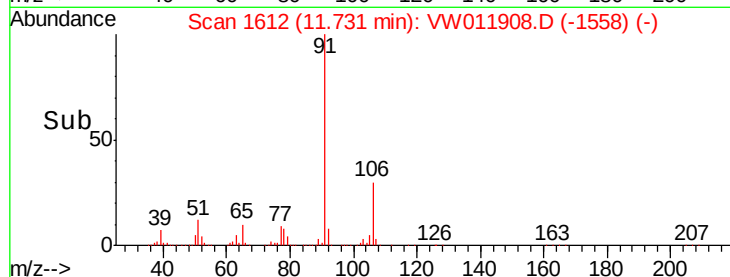
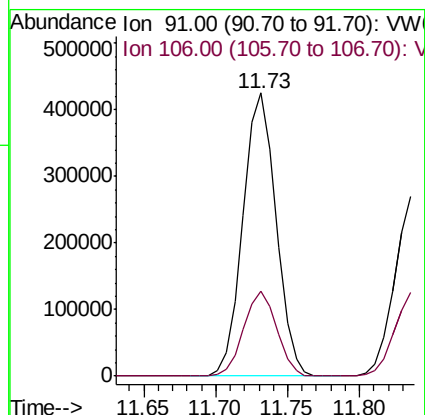
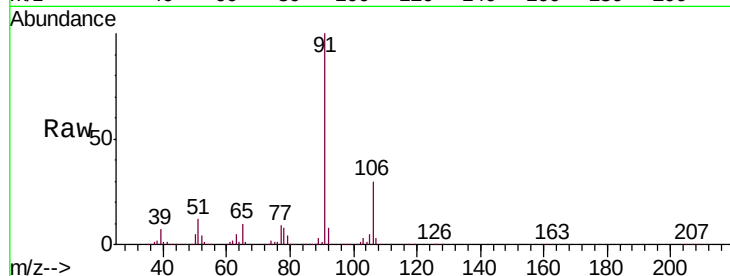
VSTD02514

Tgt Ion: 91 Resp: 679324

Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.4



#54

m,p-Xylene

Concen: 28.686 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011908.D

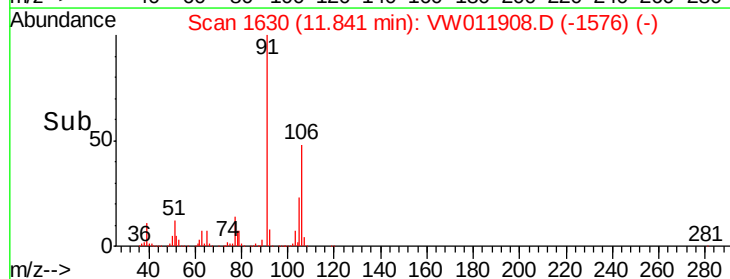
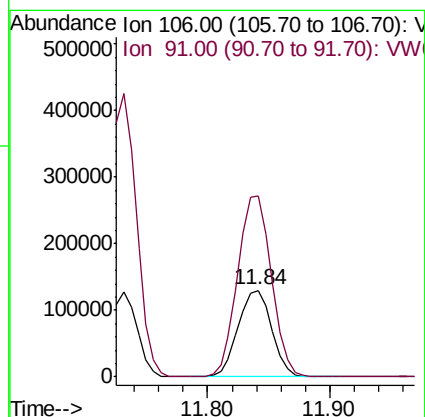
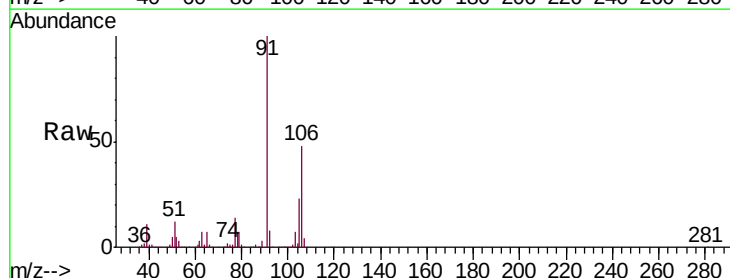
Acq: 14 Aug 2019 09:24

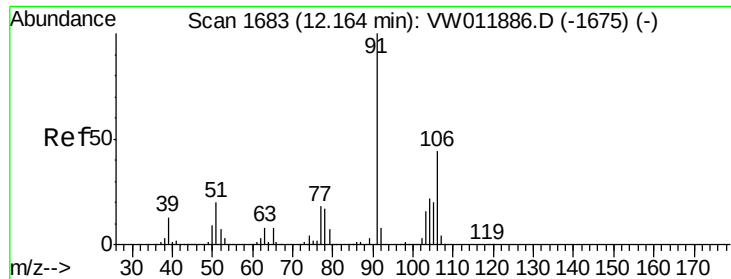
Tgt Ion: 106 Resp: 247052

Ion Ratio Lower Upper

106 100

91 209.3 149.6 277.8

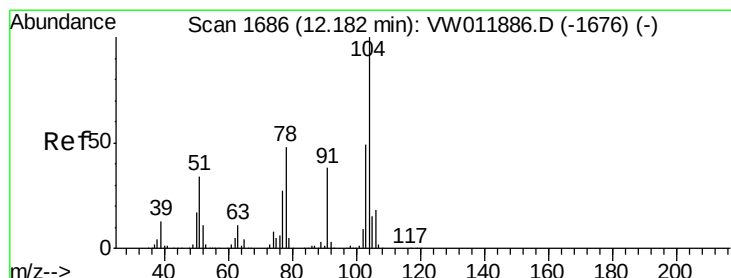
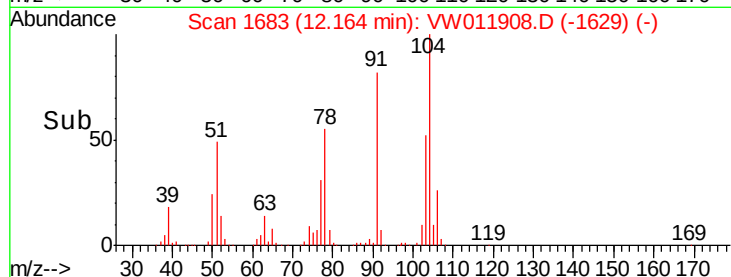
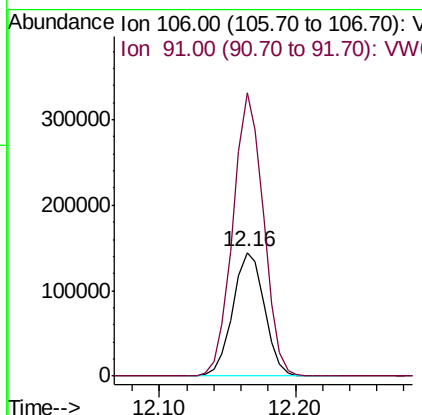
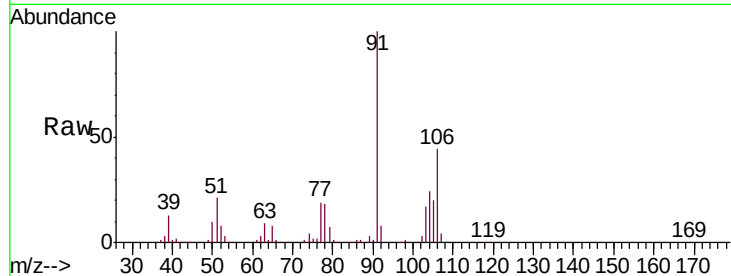




#55
o-xylene
Concen: 28.823 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011908.D
Acq: 14 Aug 2019 09:24

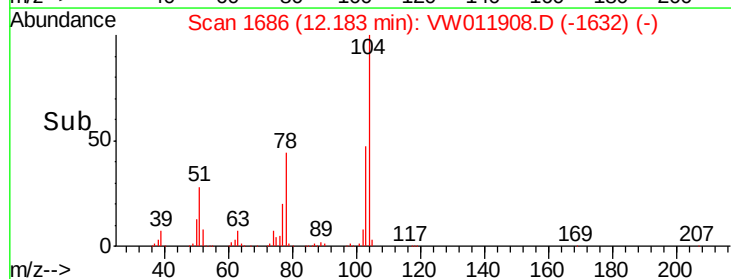
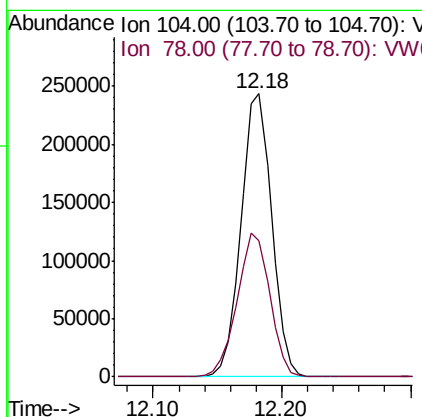
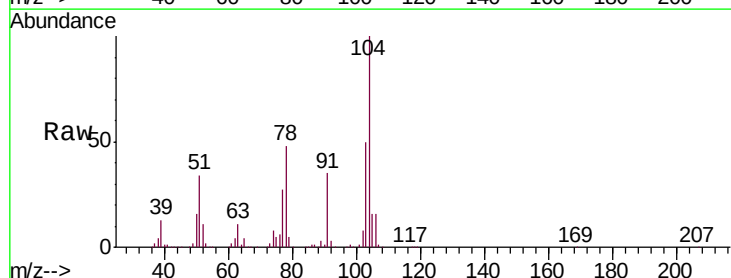
Instrument :
MSVOA_W
ClientSampled :
VSTD02514

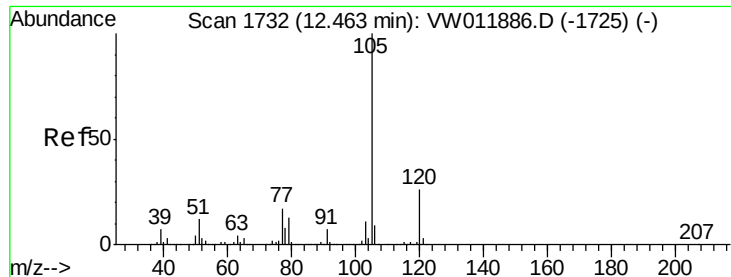
Tgt Ion:106 Resp: 233619
Ion Ratio Lower Upper
106 100
91 229.1 158.3 293.9



#56
Styrene
Concen: 29.023 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011908.D
Acq: 14 Aug 2019 09:24

Tgt Ion:104 Resp: 399932
Ion Ratio Lower Upper
104 100
78 48.0 32.9 61.1





#57

Isopropylbenzene

Concen: 28.791 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampled :

VSTD02514

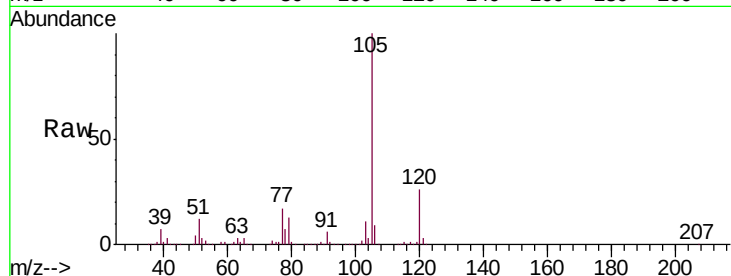
Tgt Ion: 105 Resp: 641986

Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

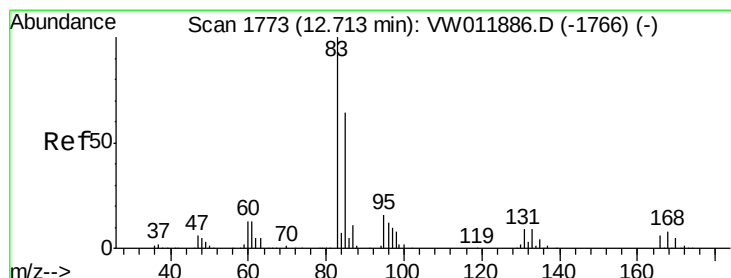
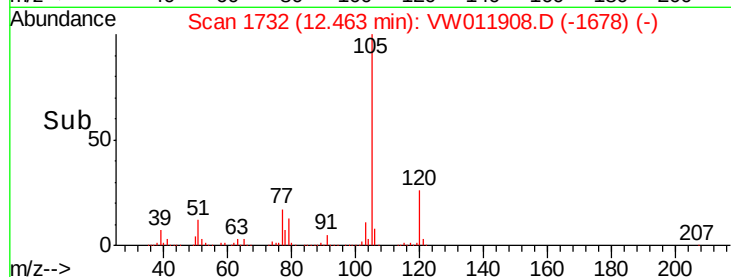
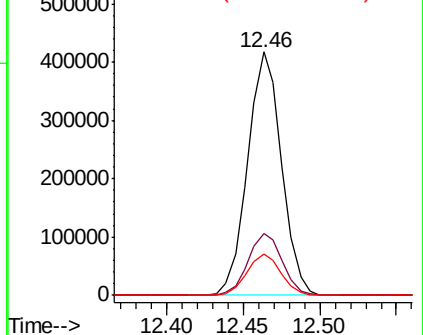
77 17.1 13.4 20.2



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: 25.373 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

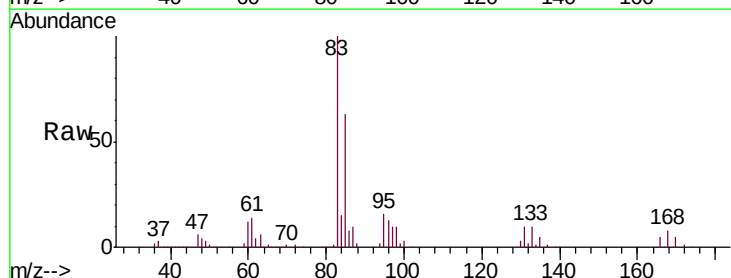
Tgt Ion: 83 Resp: 128279

Ion Ratio Lower Upper

83 100

85 63.3 43.5 80.9

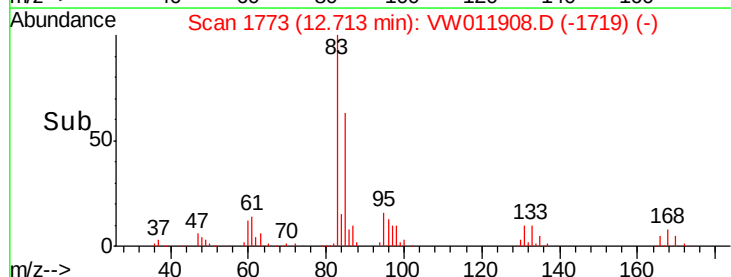
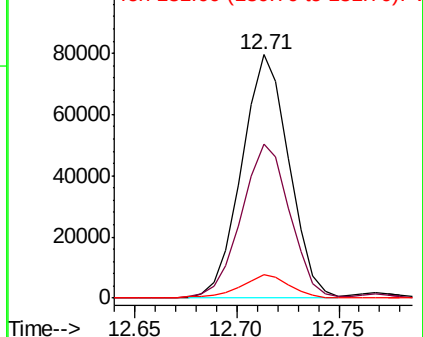
131 9.7 7.5 11.3

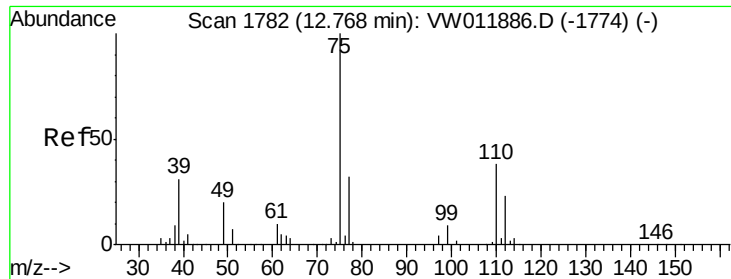


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

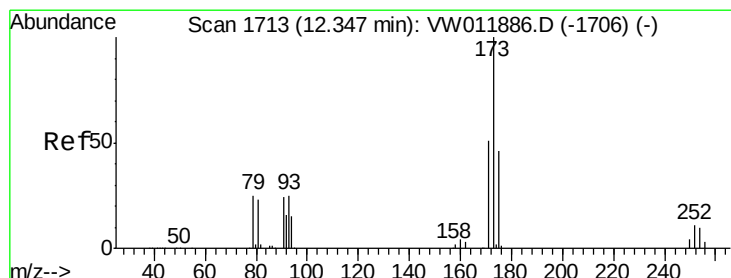
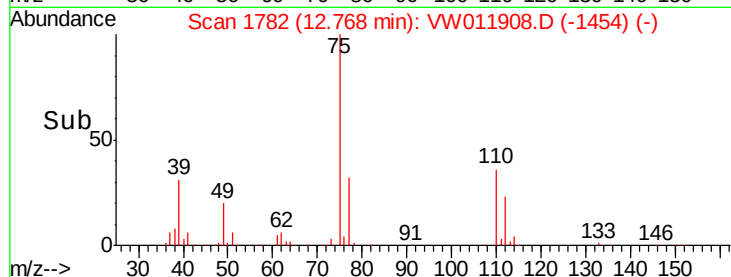
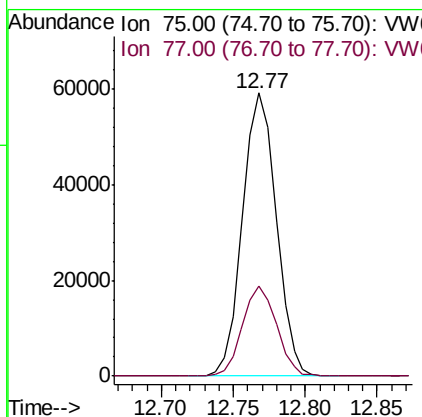
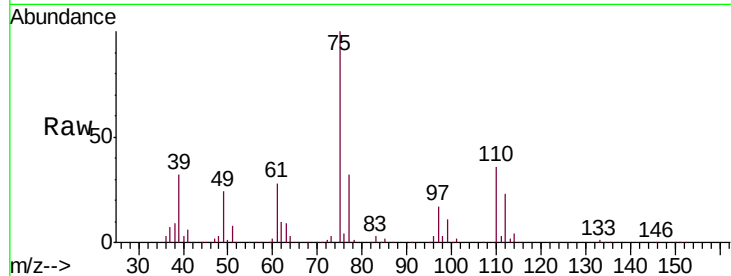




#59
 1,2,3-Trichloropropane
 Concen: 24.698 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

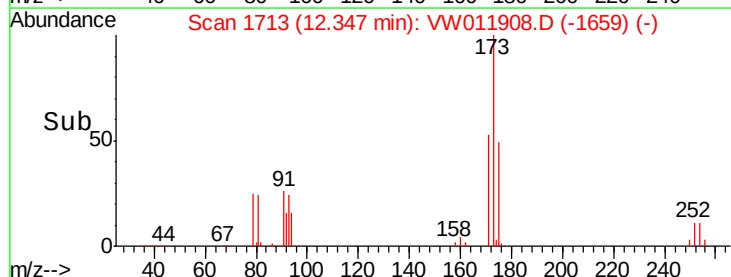
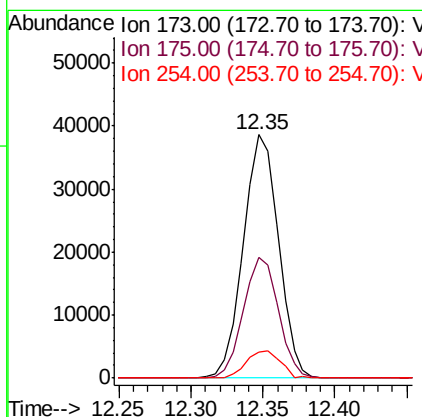
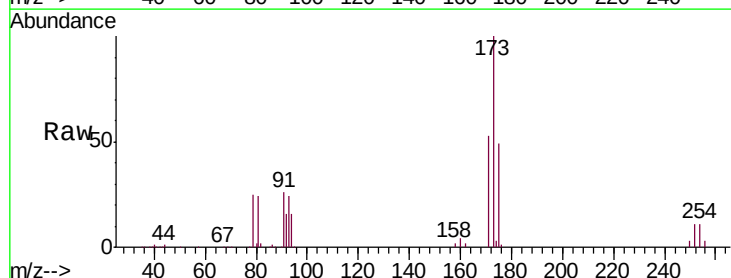
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

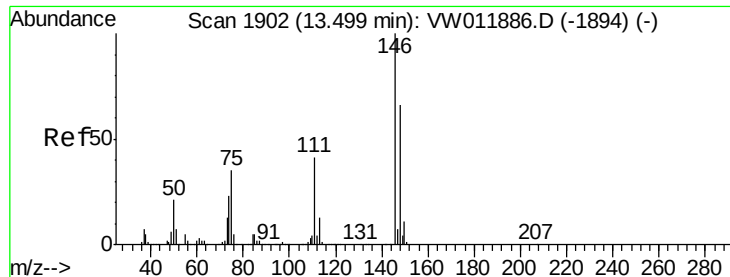
Tgt Ion: 75 Resp: 96305
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7



#62
 Bromoform
 Concen: 25.361 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

Tgt Ion: 173 Resp: 65462
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.4 59.0
 254 10.6 9.0 13.6





#63

1,3-Dichlorobenzene

Concen: 27.735 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

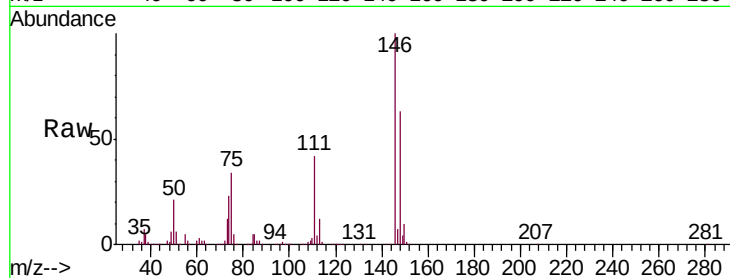
Tgt Ion:146 Resp: 271590

Ion Ratio Lower Upper

146 100

111 41.5 28.6 53.2

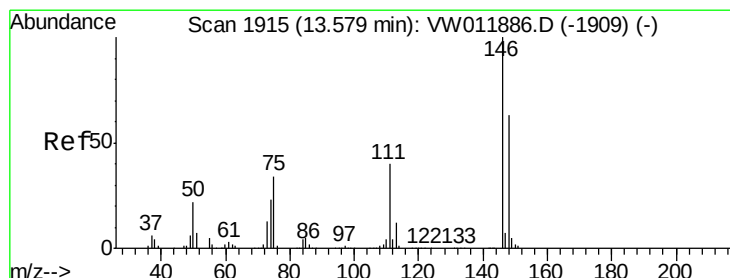
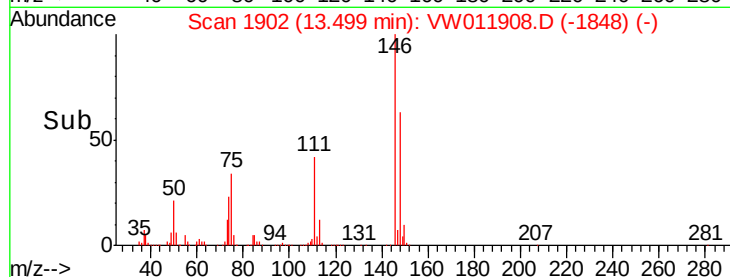
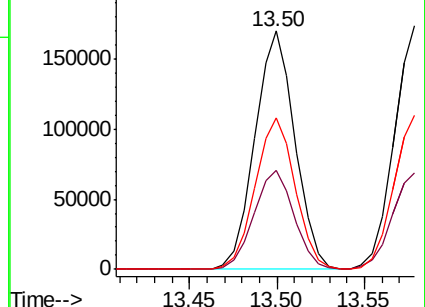
148 63.4 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 27.407 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

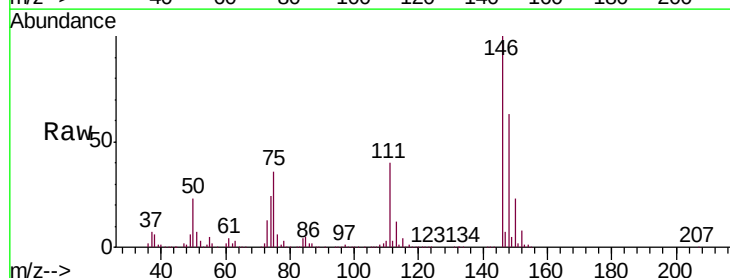
Tgt Ion:146 Resp: 269506

Ion Ratio Lower Upper

146 100

111 39.6 27.4 51.0

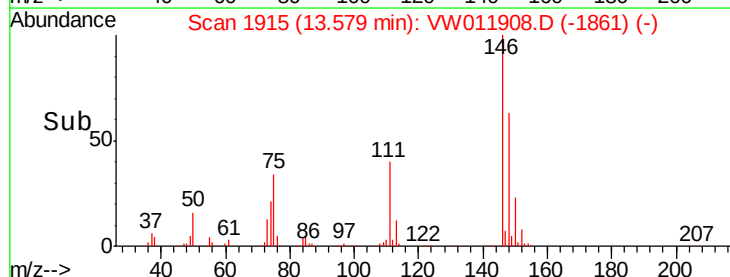
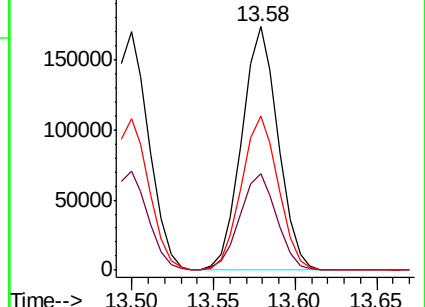
148 63.1 44.4 82.5

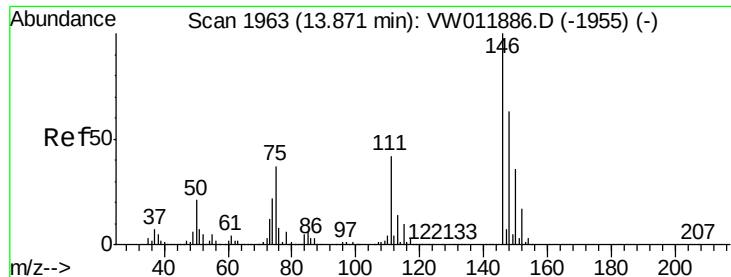


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

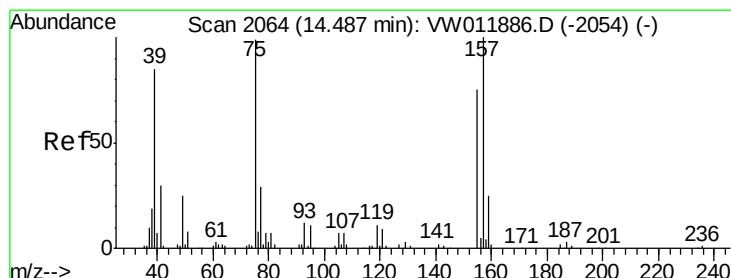
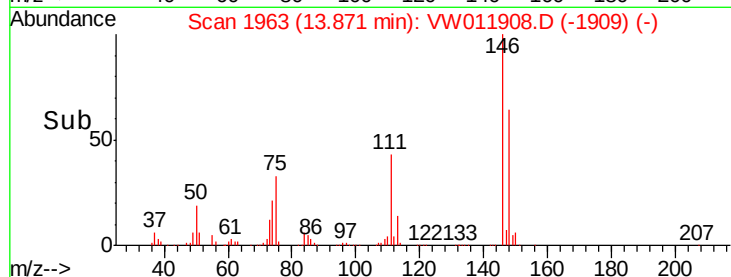
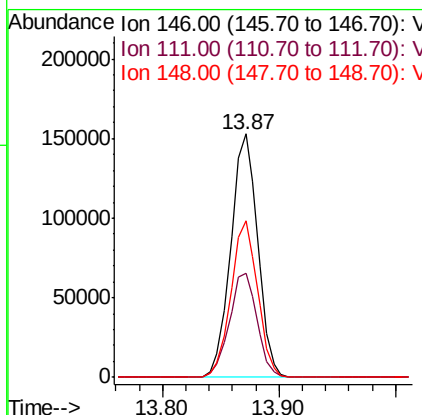
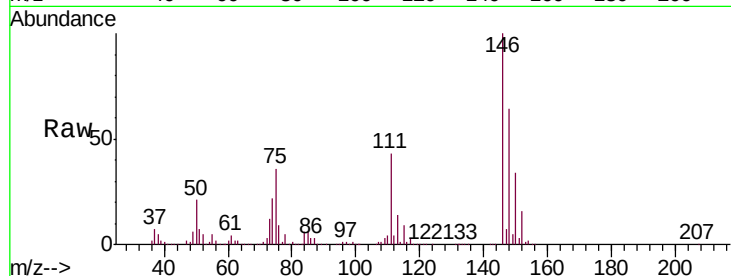




#65
 1,2-Dichlorobenzene
 Concen: 27.704 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

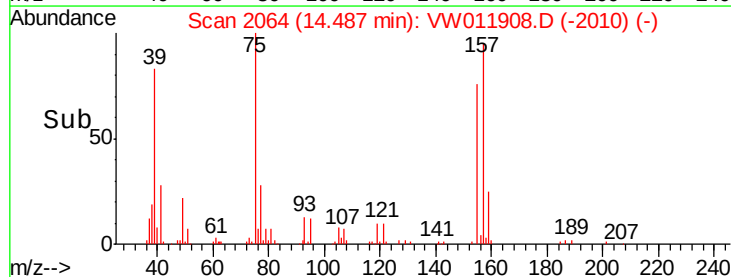
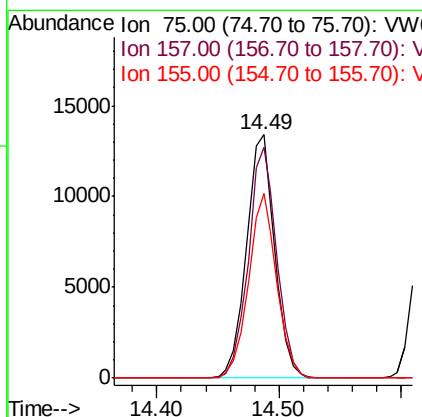
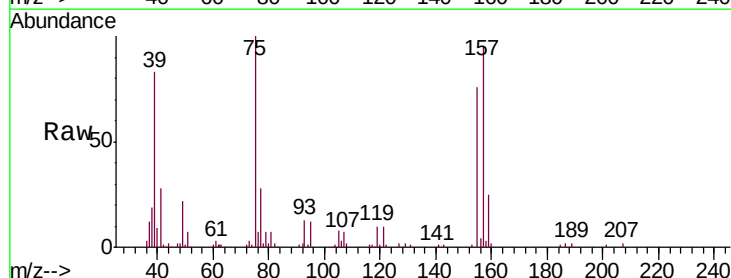
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

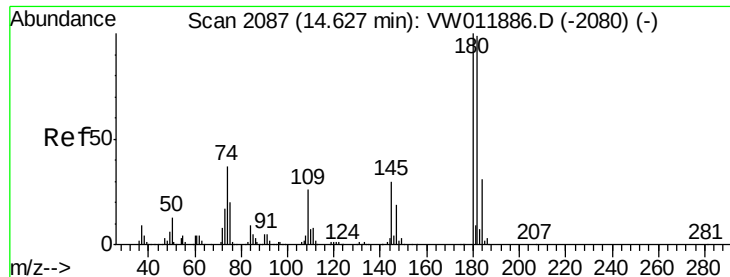
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	34.6	51.8
148	64.2	50.9	76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.352 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

Tgt Ion	Ratio	Lower	Upper
75	100		
157	95.0	79.3	118.9
155	75.6	59.9	89.9

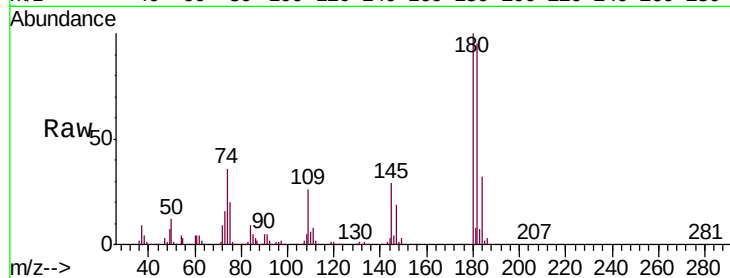




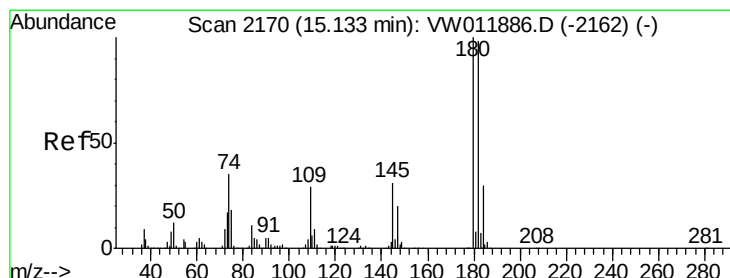
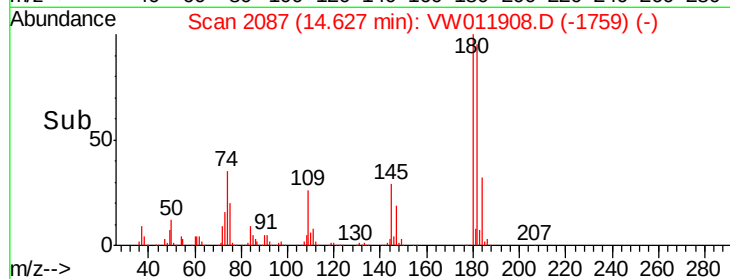
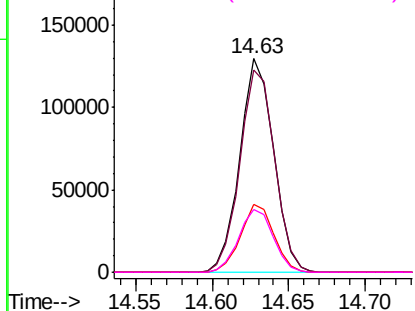
#67
 1,3,5-Trichlorobenzene
 Concen: 27.710 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tgt Ion:	180	Resp:	199719
Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.9	113.9
184	31.3	24.2	36.2
145	30.0	23.0	34.6

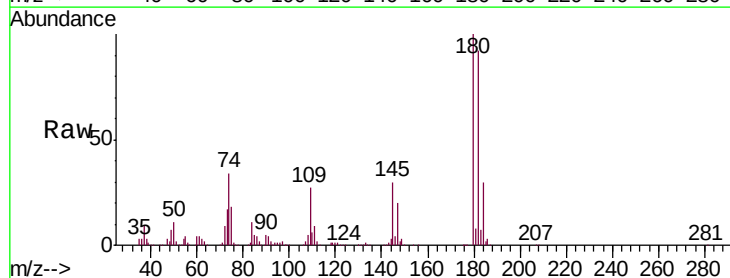


Abundance Ion 180.00 (179.70 to 180.70): V
 200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

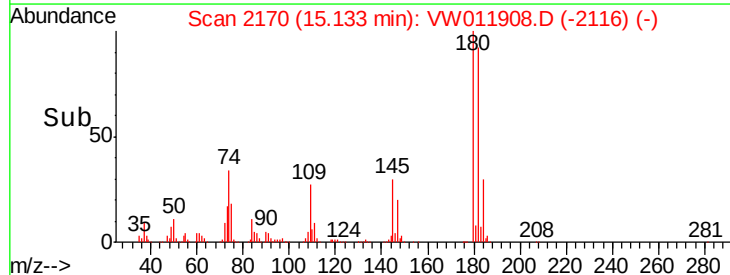
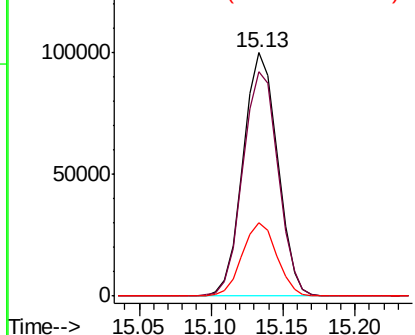


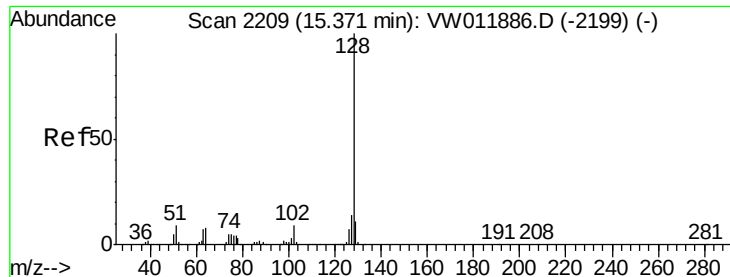
#68
 1,2,4-trichlorobenzene
 Concen: 28.526 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011908.D
 Acq: 14 Aug 2019 09:24

Tgt Ion:	180	Resp:	165579
Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.3	115.9
145	30.2	24.3	36.5



Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.004 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

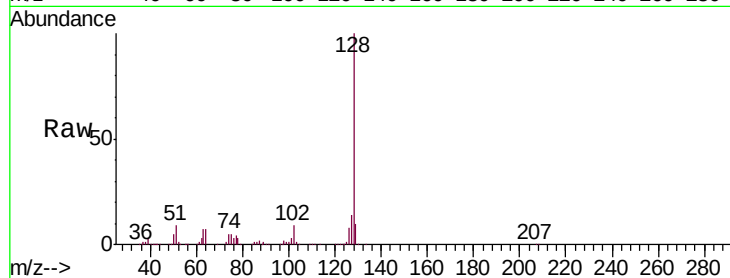
Tgt Ion:128 Resp: 303961

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

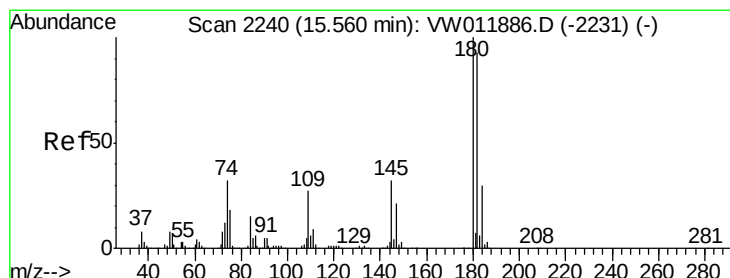
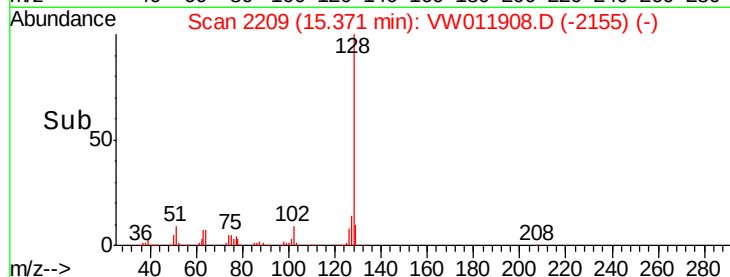
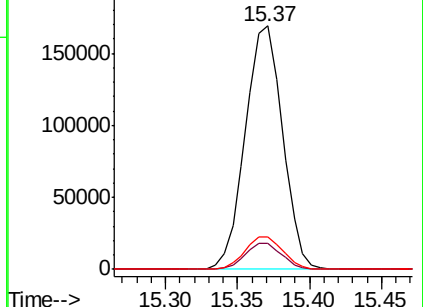
127 13.8 10.6 16.0



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: 27.591 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011908.D

Acq: 14 Aug 2019 09:24

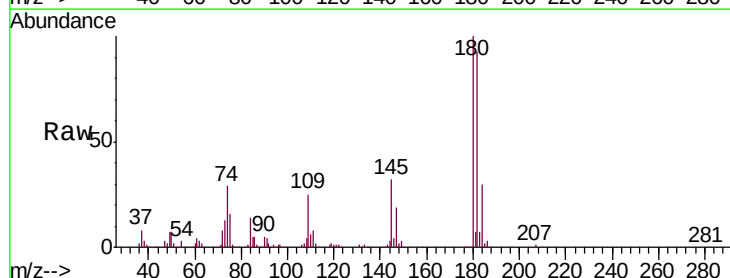
Tgt Ion:180 Resp: 148325

Ion Ratio Lower Upper

180 100

182 94.8 74.9 112.3

145 32.9 25.6 38.4



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

