

Data File : VW006356.D
Acq On : 25 Oct 2018 10:53
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

Quant Time: Oct 26 04:01:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 07:32:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	345690	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	321673	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	177862	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	78674	20.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.72%
7) Chloroethane-d5	2.89	69	79359	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
10) 1,1-Dichloroethene-d2	4.01	63	174778	23.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.40%
20) 2-Butanone-d5	7.09	46	66723	51.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.26%
24) Chloroform-d	7.65	84	197773	26.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.64%
26) 1,2-Dichloroethane-d4	8.31	65	109284	26.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.52%
29) Benzene-d6	8.27	84	375271	25.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.80%
33) 1,2-Dichloropropane-d6	9.27	67	110626	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.40%
37) Toluene-d8	10.32	98	373223	25.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.20%
38) trans-1,3-Dichloropropene-	10.58	79	50603	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.48%
39) 2-Hexanone-d5	10.93	63	57515	54.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122114	28.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	165540	27.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	89023	27.247 ug/L	99
3) Chloromethane	2.21	50	80000	24.933 ug/L	97
5) Vinyl chloride	2.37	62	124110	23.999 ug/L	97
6) Bromomethane	2.79	94	90138	22.384 ug/L	99
8) Chloroethane	2.93	64	77319	24.392 ug/L	97
9) Trichlorofluoromethane	3.26	101	108390	26.198 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	108317	26.186 ug/L	99
12) 1,1-Dichloroethene	4.03	96	99123	24.975 ug/L	83
13) Acetone	4.14	43	68989	52.845 ug/L	99
14) Carbon disulfide	4.37	76	282028	21.737 ug/L	99
15) Methyl Acetate	4.68	43	49886	23.591 ug/L	96
16) Methylene chloride	4.91	84	106224	23.800 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	152215	23.561 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	107066	24.366 ug/L	97
19) 1,1-Dichloroethane	6.21	63	171484	24.116 ug/L	99
21) 2-Butanone	7.18	43	76308	43.989 ug/L	94
22) cis-1,2-Dichloroethene	7.16	96	117355	24.484 ug/L	95

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56383	25.010	ug/L	95
25) Chloroform	7.67	83	188843	24.672	ug/L	99
27) 1,2-Dichloroethane	8.40	62	128672	24.662	ug/L	99
30) Cyclohexane	7.95	56	163120	23.072	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	165980	24.659	ug/L	99
32) Carbon tetrachloride	8.07	117	159753	24.200	ug/L	99
34) Benzene	8.32	78	405619	24.563	ug/L	100
35) Trichloroethene	9.09	95	116274	25.026	ug/L	98
36) Methylcyclohexane	9.34	83	207131	24.331	ug/L	98
40) 1,2-Dichloropropane	9.37	63	96756	23.620	ug/L	99
41) Bromodichloromethane	9.65	83	129597	23.428	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	157771	23.580	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	147090	44.811	ug/L	98
44) Toluene	10.39	91	459530	24.783	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	137407	23.511	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	86024	25.218	ug/L	97
47) Tetrachloroethene	10.87	164	110574	25.710	ug/L	94
49) 2-Hexanone	10.97	43	114703	47.415	ug/L	97
50) Dibromochloromethane	11.13	129	103332	23.633	ug/L	96
51) 1,2-Dibromoethane	11.24	107	90395	25.458	ug/L	96
52) Chlorobenzene	11.66	112	316439	25.219	ug/L	99
53) Ethylbenzene	11.73	91	536693	24.863	ug/L	99
54) m,p-Xylene	11.84	106	210546	24.883	ug/L	100
55) o-xylene	12.17	106	199786	24.729	ug/L	100
56) Styrene	12.18	104	339389	24.394	ug/L	99
57) Isopropylbenzene	12.47	105	563738	25.078	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	112953	25.480	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	84394	25.516	ug/L	100
62) Bromoform	12.35	173	66535	22.325	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	274906	25.169	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	275080	25.009	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	254682	25.346	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	18210	22.515	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	228255	25.925	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	196870	26.223	ug/L	100
69) Naphthalene	15.38	128	386299	25.414	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	174993	25.945	ug/L	98

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

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Instrument :
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ClientSampleId :
VSTD02506

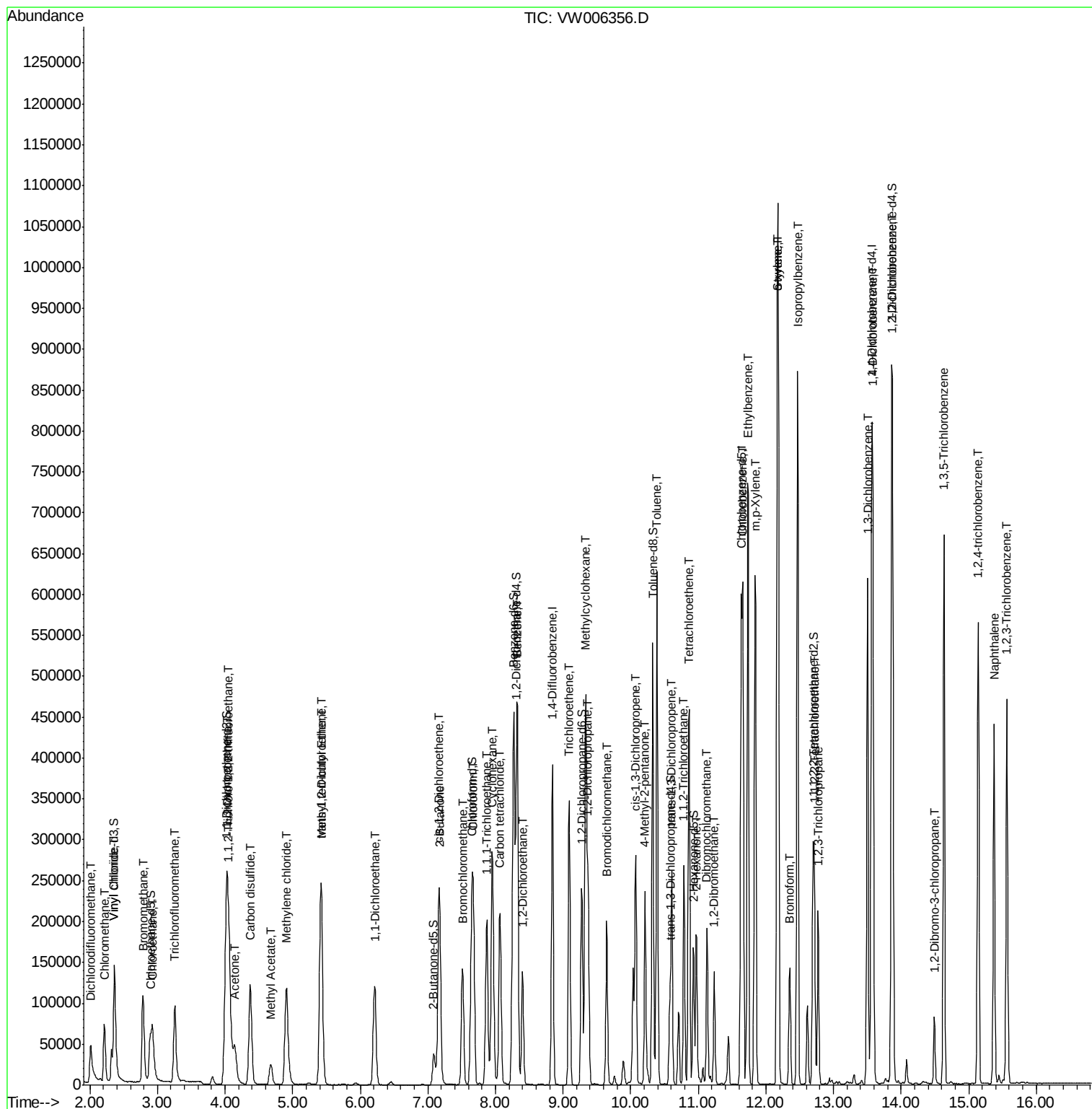
Quant Time: Oct 26 04:01:34 2018

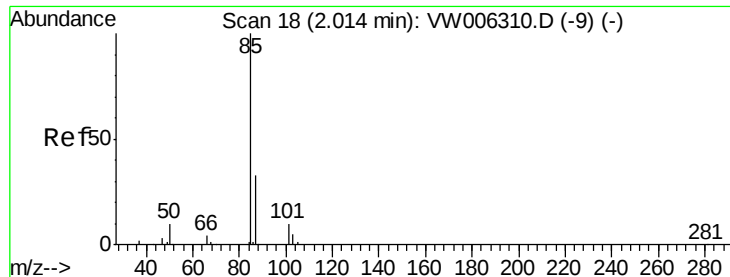
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M

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#2

Dichlorodifluoromethane

Concen: 27.247 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

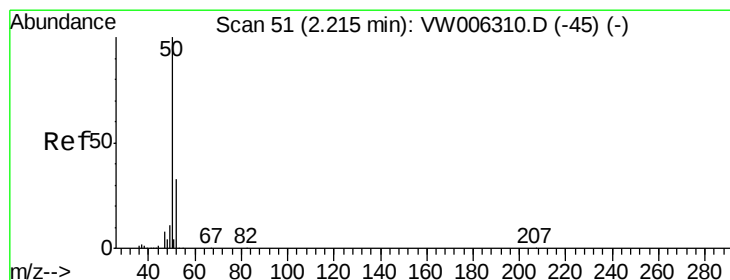
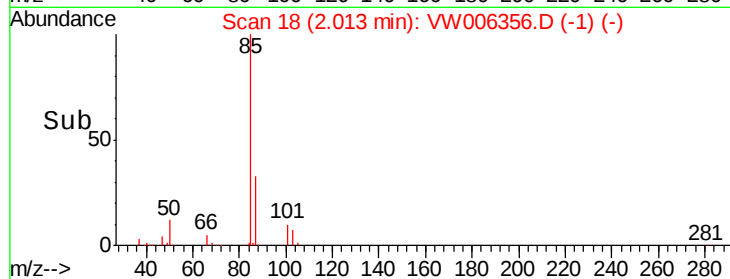
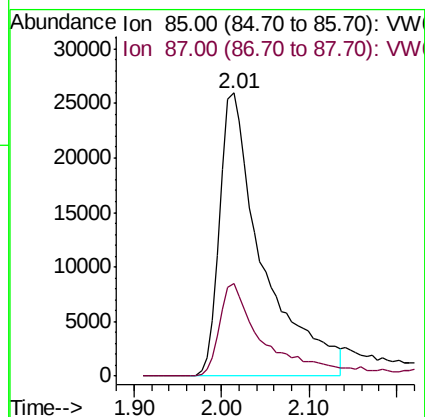
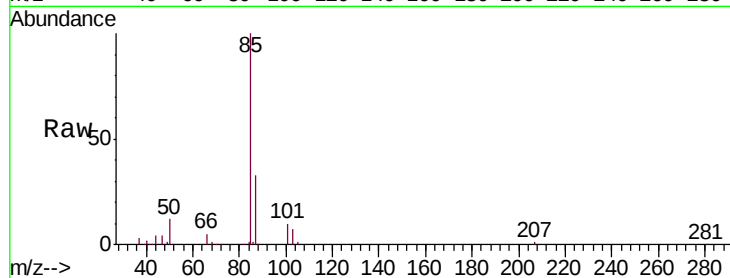
VSTD02506

Tgt Ion: 85 Resp: 89023

Ion Ratio Lower Upper

85 100

87 26.6 19.2 35.6



#3

Chloromethane

Concen: 24.933 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006356.D

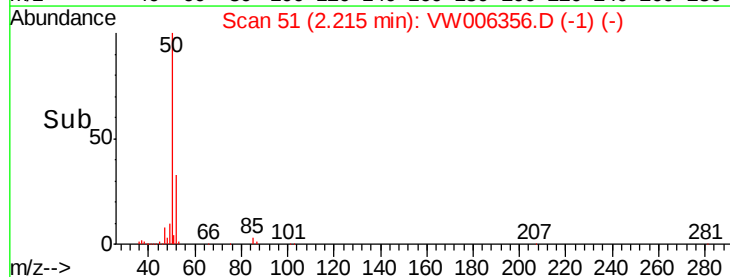
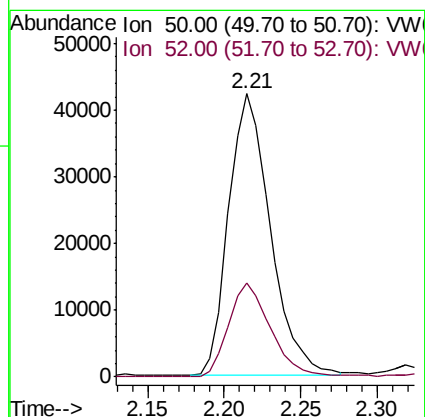
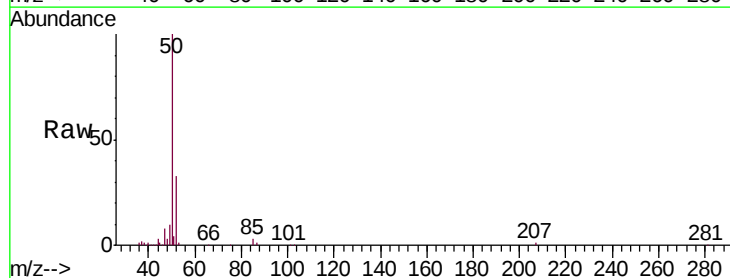
Acq: 25 Oct 2018 10:53

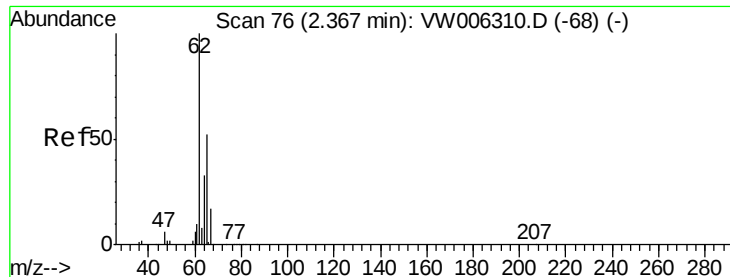
Tgt Ion: 50 Resp: 80000

Ion Ratio Lower Upper

50 100

52 33.3 22.3 41.3





#5

Vinyl chloride

Concen: 23.999 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

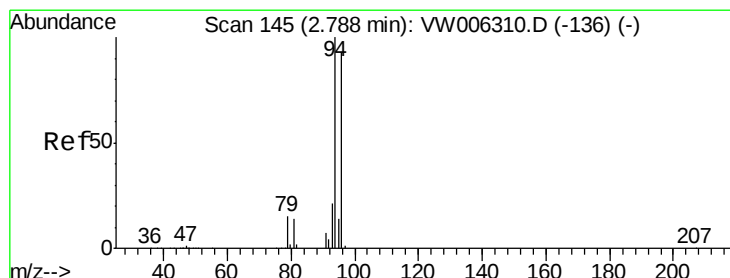
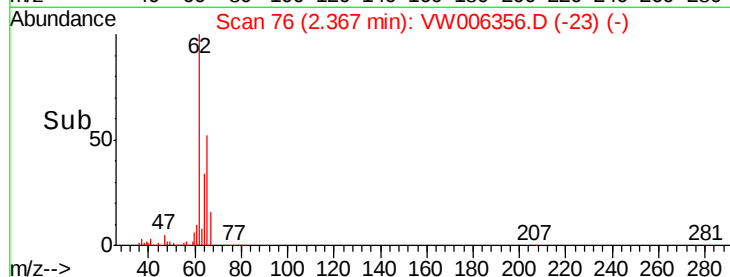
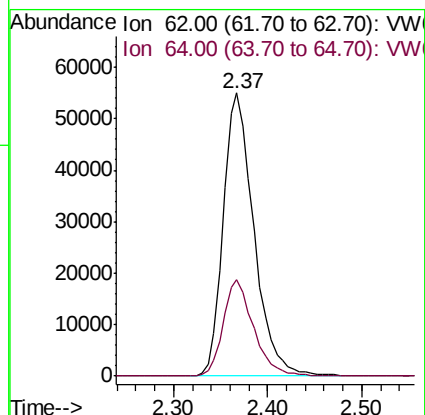
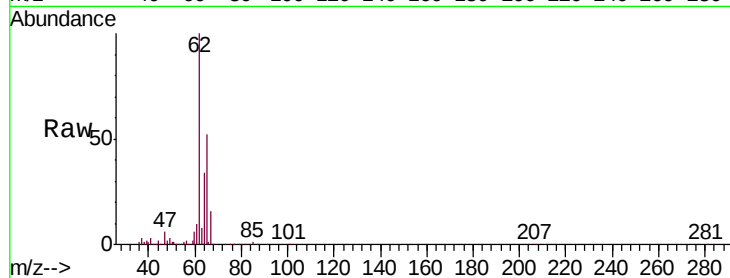
VSTD02506

Tgt Ion: 62 Resp: 124110

Ion Ratio Lower Upper

62 100

64 34.3 22.7 42.3



#6

Bromomethane

Concen: 22.384 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006356.D

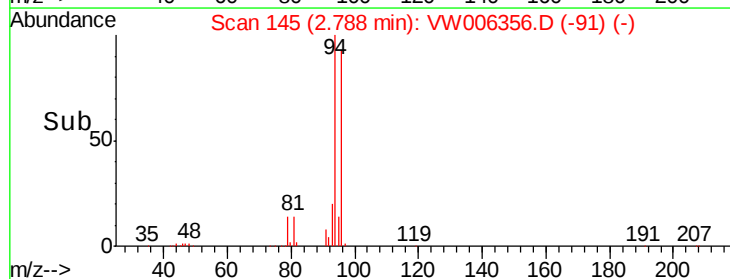
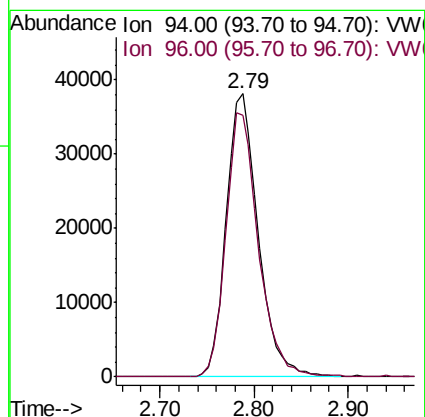
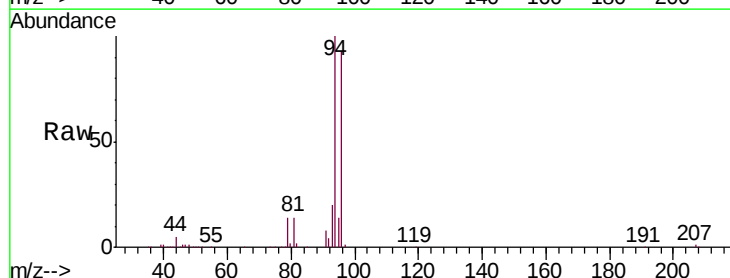
Acq: 25 Oct 2018 10:53

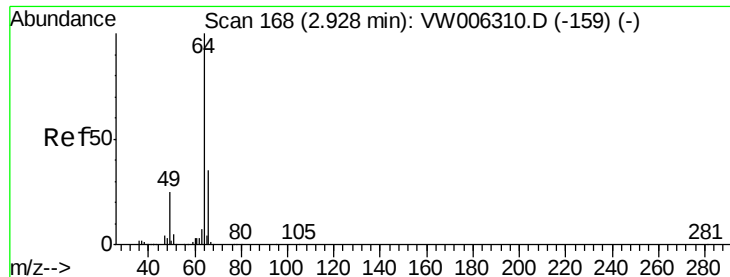
Tgt Ion: 94 Resp: 90138

Ion Ratio Lower Upper

94 100

96 94.2 9.5 181.3

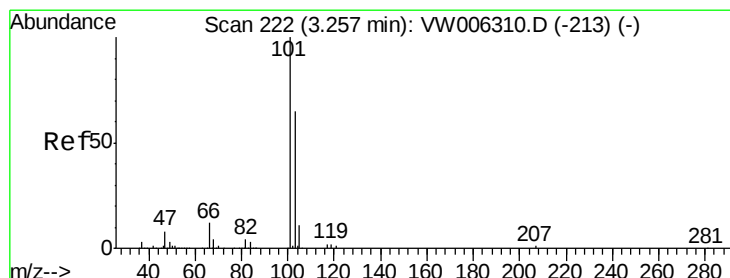
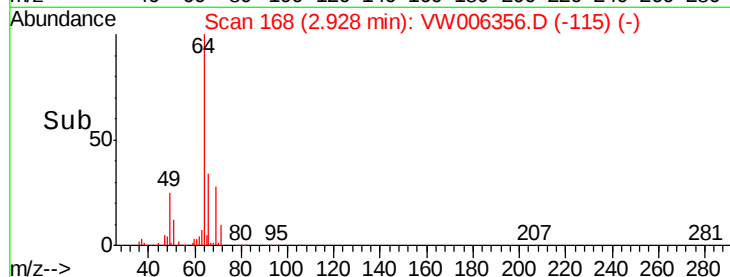
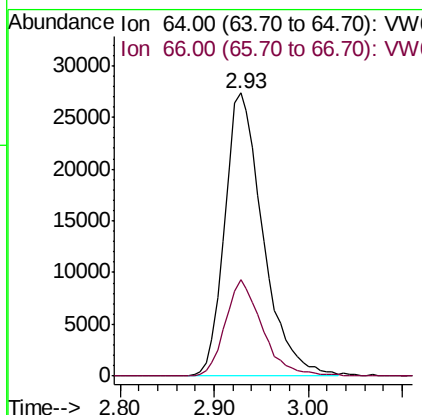
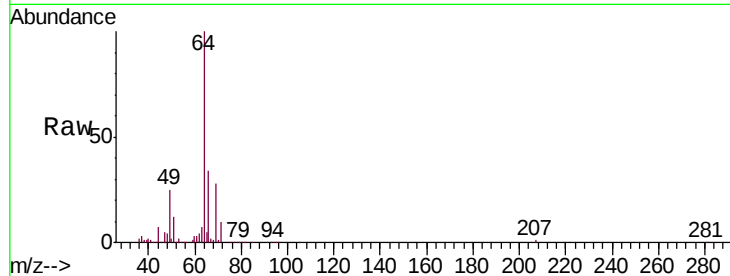




#8
Chloroethane
Concen: 24.392 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW006356.D
Acq: 25 Oct 2018 10:53

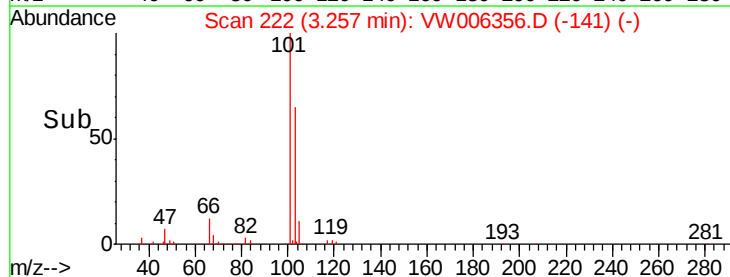
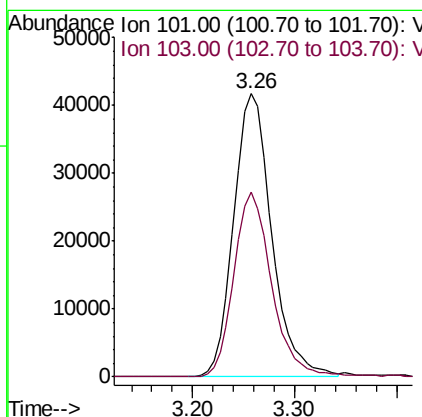
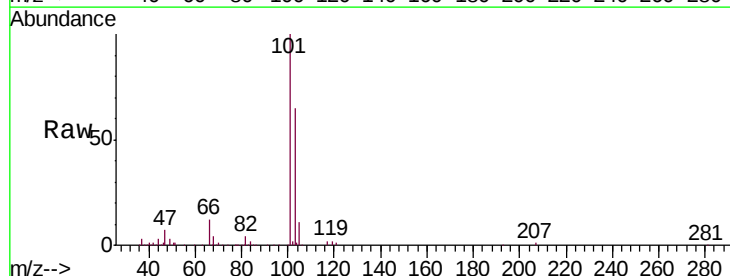
Instrument :
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ClientSampleId :
VSTD02506

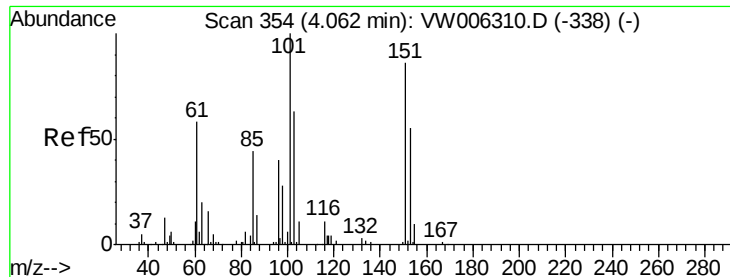
Tgt Ion: 64 Resp: 77319
Ion Ratio Lower Upper
64 100
66 34.2 22.7 42.1



#9
Trichlorofluoromethane
Concen: 26.198 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006356.D
Acq: 25 Oct 2018 10:53

Tgt Ion: 101 Resp: 108390
Ion Ratio Lower Upper
101 100
103 64.9 45.6 84.6





#11

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

Concen: 26.186 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

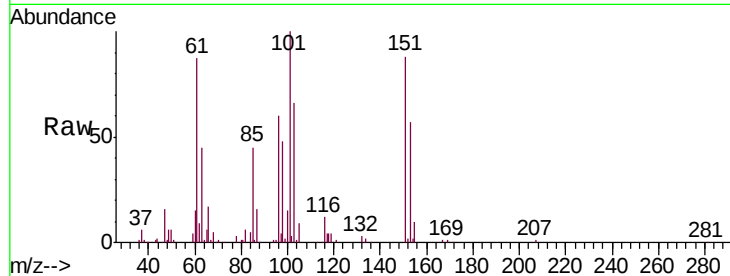
Tgt Ion:101 Resp: 108317

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.2

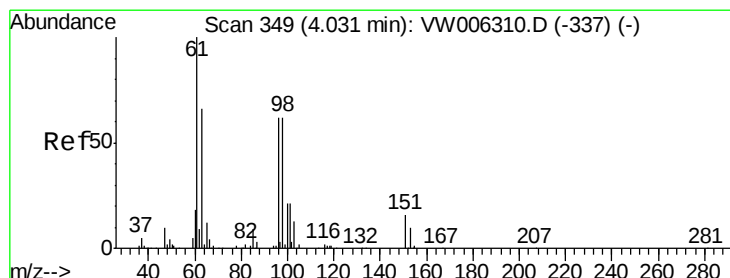
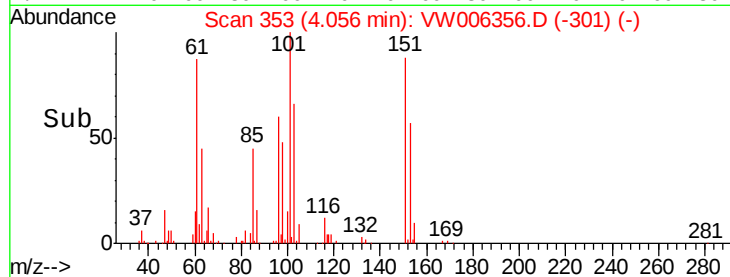
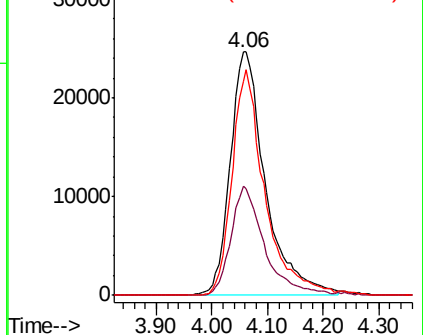
151 85.1 68.7 103.1



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: 24.975 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

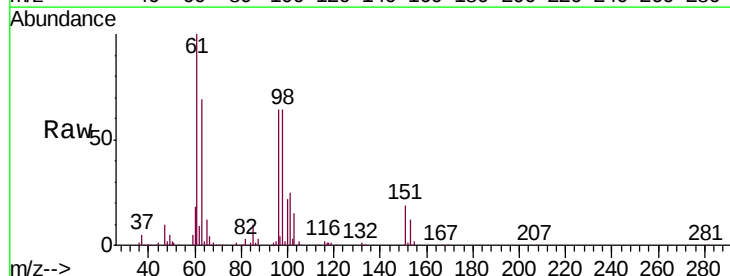
Tgt Ion: 96 Resp: 99123

Ion Ratio Lower Upper

96 100

61 156.3 112.3 208.7

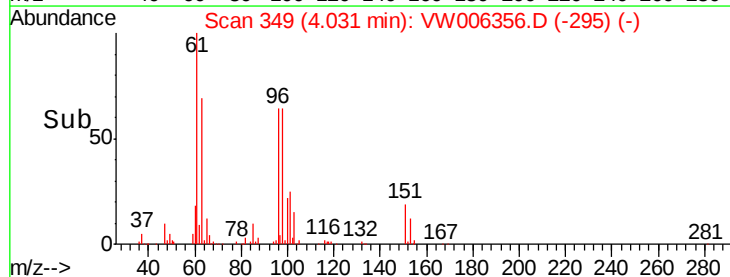
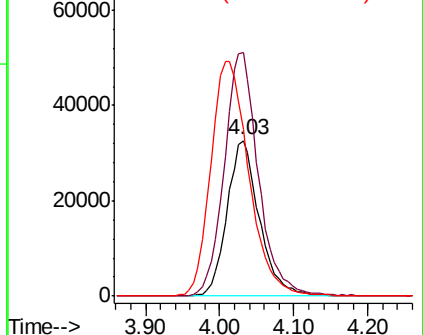
63 107.1 102.6 190.6

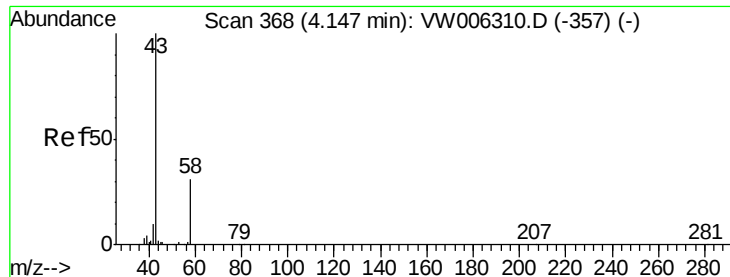


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.845 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

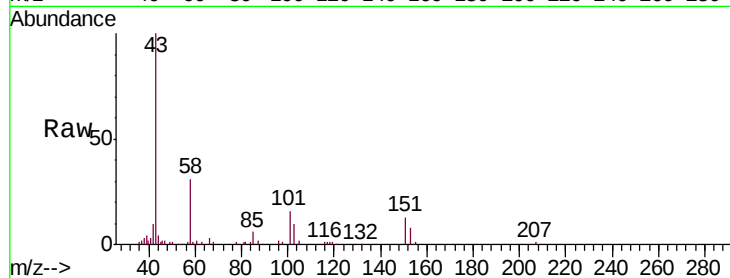
VSTD02506

Tgt Ion: 43 Resp: 68989

Ion Ratio Lower Upper

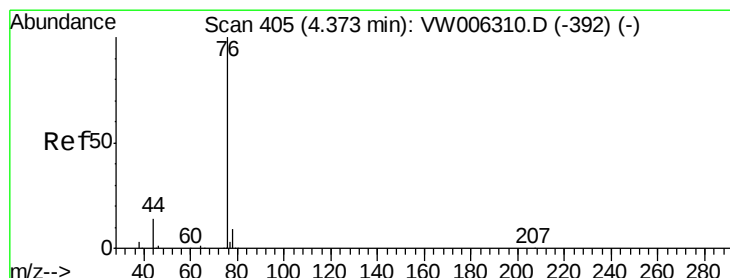
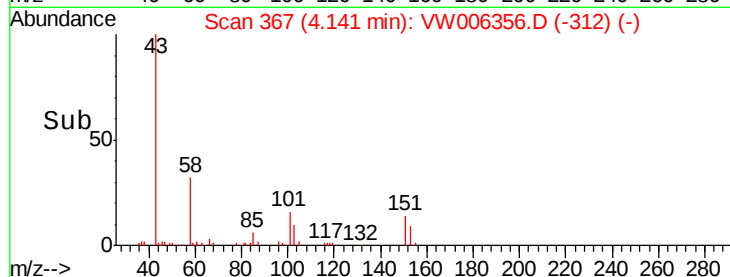
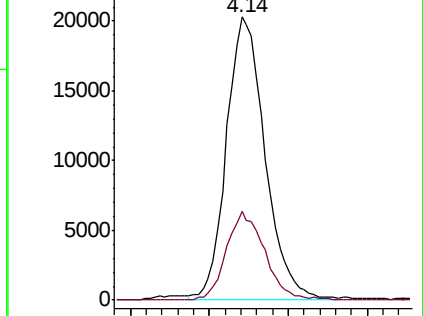
43 100

58 30.9 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 21.737 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006356.D

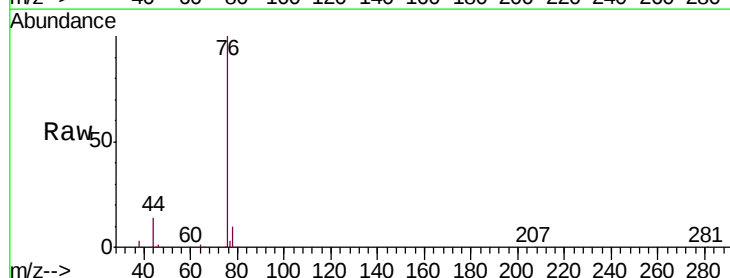
Acq: 25 Oct 2018 10:53

Tgt Ion: 76 Resp: 282028

Ion Ratio Lower Upper

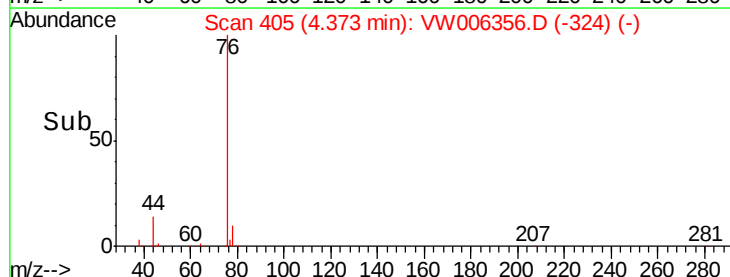
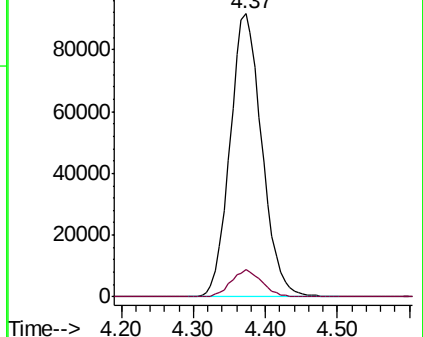
76 100

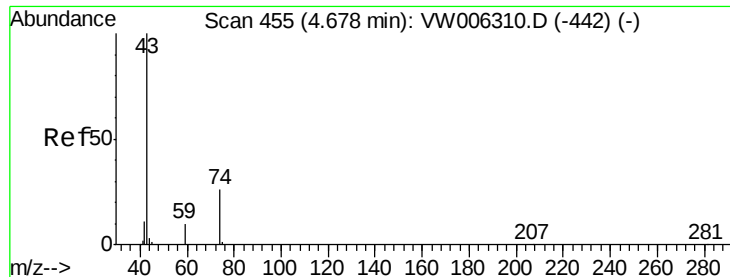
78 9.9 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

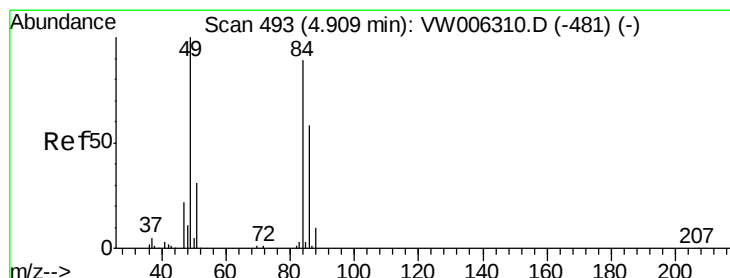
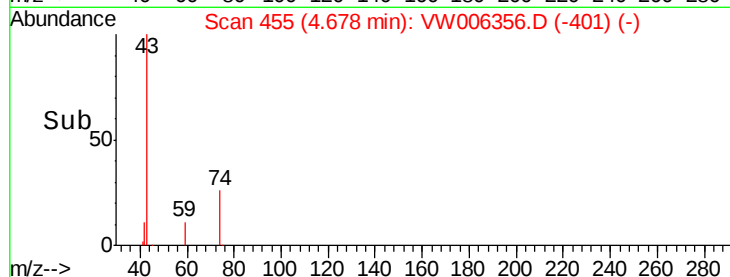
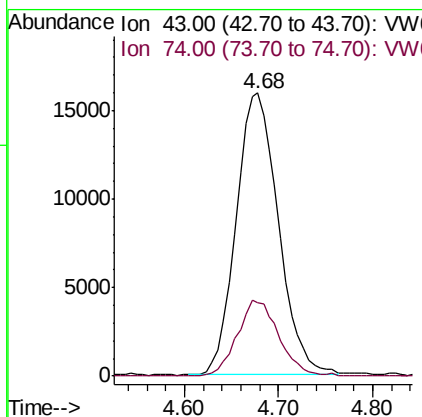
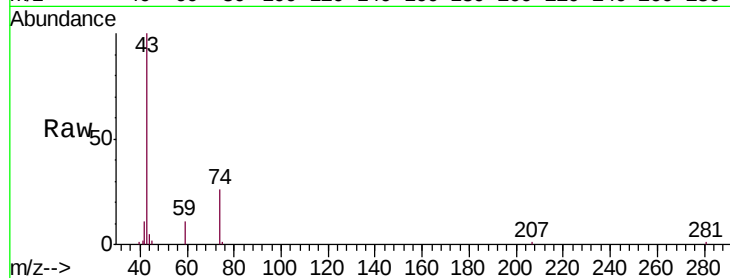




#15
Methyl Acetate
Concen: 23.591 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW006356.D
Acq: 25 Oct 2018 10:53

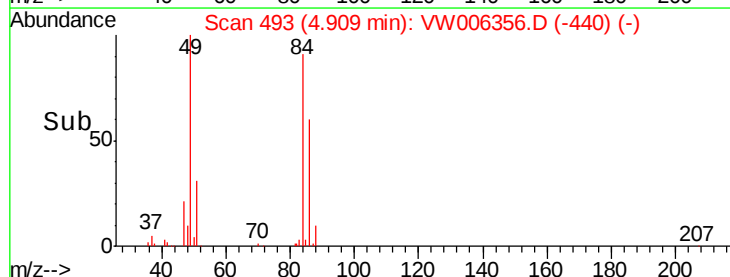
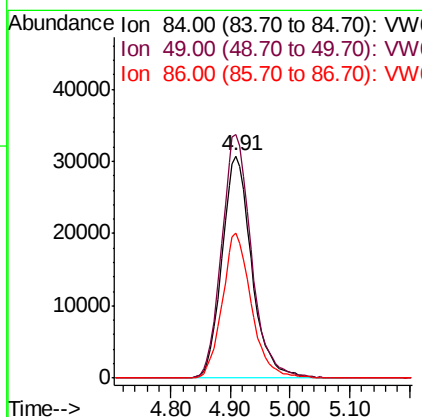
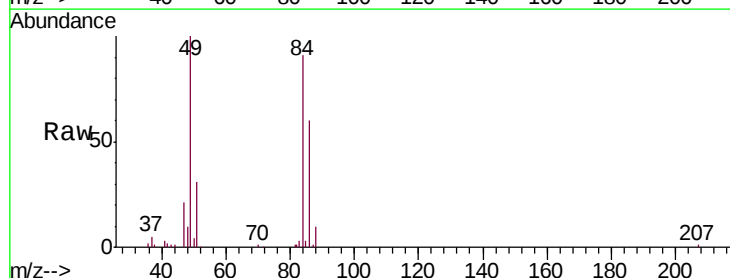
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

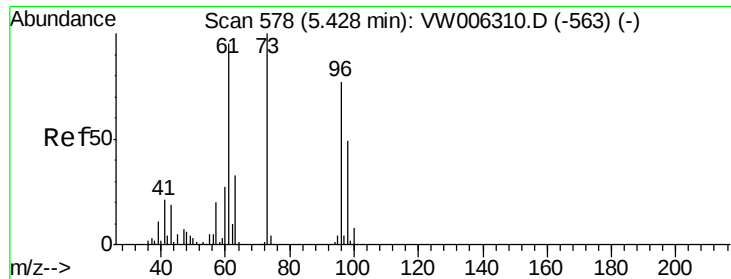
Tgt Ion: 43 Resp: 49886
Ion Ratio Lower Upper
43 100
74 26.3 19.4 29.2



#16
Methylene chloride
Concen: 23.800 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006356.D
Acq: 25 Oct 2018 10:53

Tgt Ion: 84 Resp: 106224
Ion Ratio Lower Upper
84 100
49 109.7 83.5 155.1
86 65.7 44.9 83.5





#17

Methyl tert-butyl Ether

Concen: 23.561 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampled :

VSTD02506

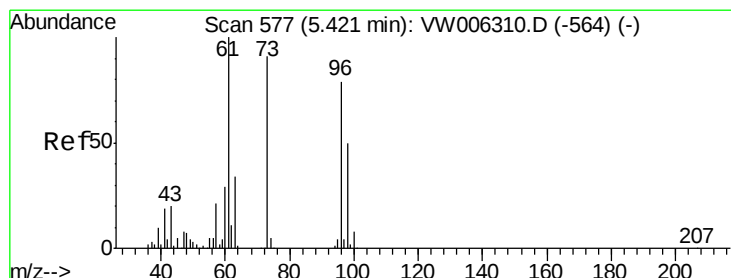
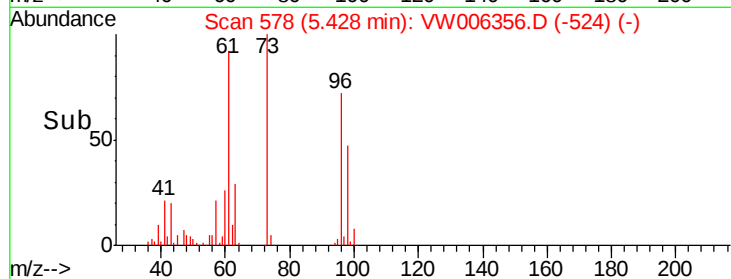
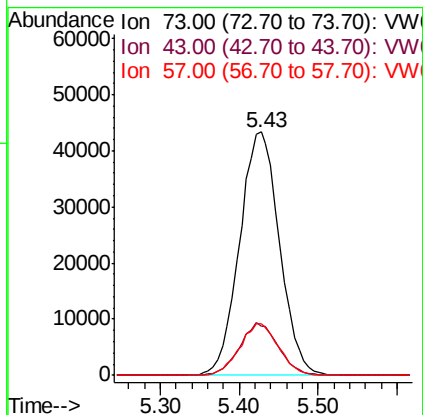
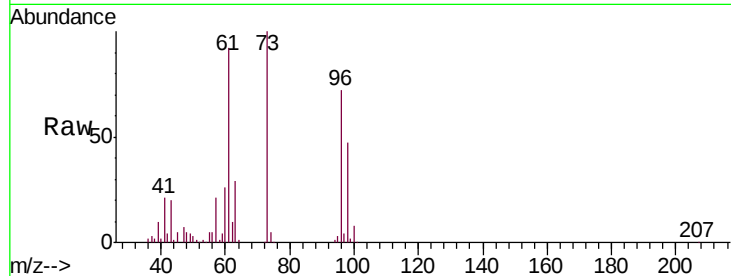
Tgt Ion: 73 Resp: 152215

Ion Ratio Lower Upper

73 100

43 21.0 17.0 25.4

57 20.6 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 24.366 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

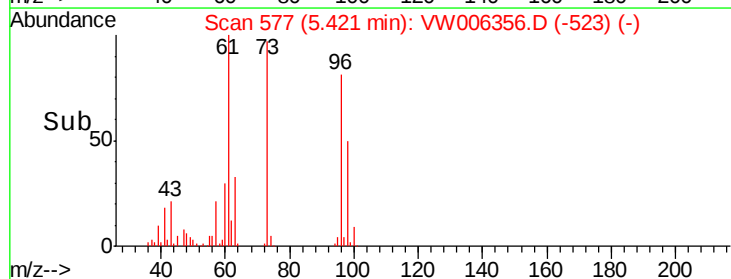
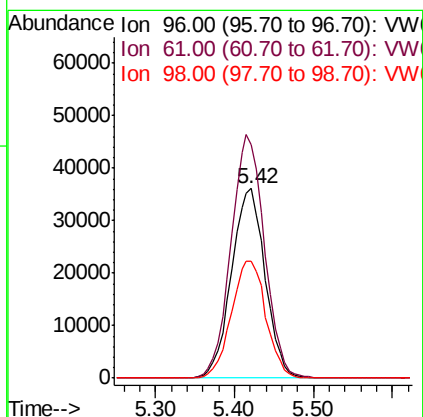
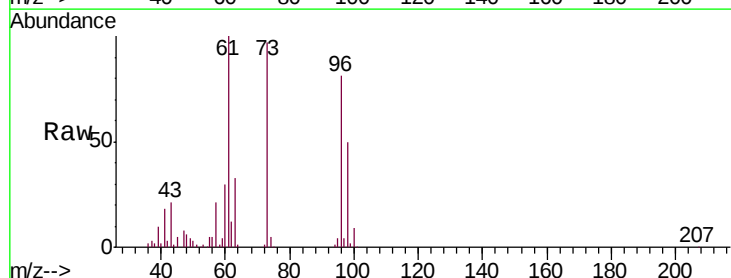
Tgt Ion: 96 Resp: 107066

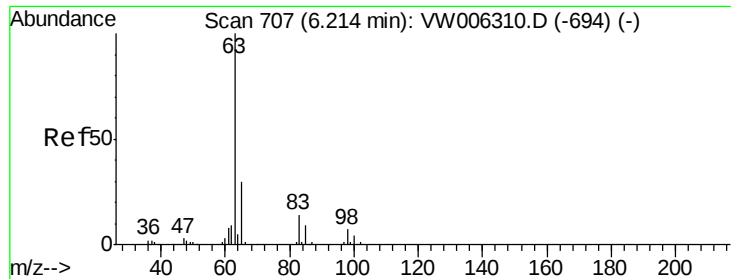
Ion Ratio Lower Upper

96 100

61 123.1 89.0 165.2

98 61.9 42.4 78.6

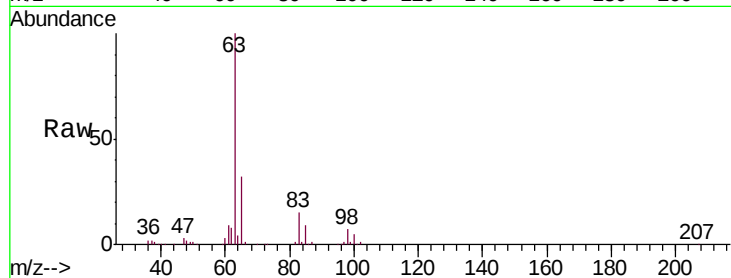




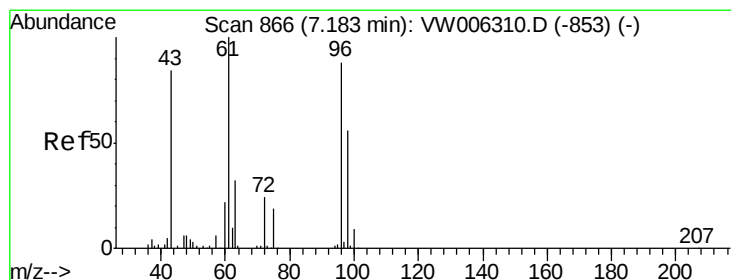
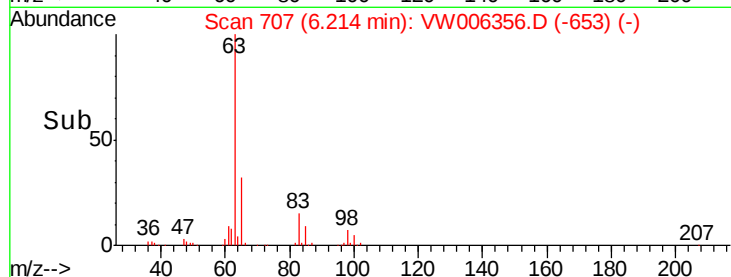
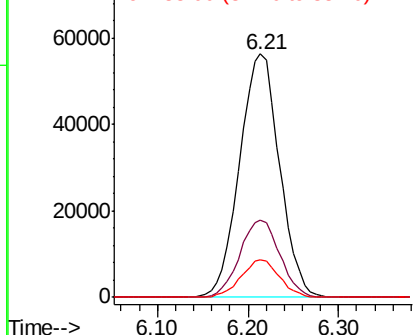
#19
 1,1-Dichloroethane
 Concen: 24.116 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

Tgt Ion: 63 Resp: 171484
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.5
 83 15.3 9.7 18.1

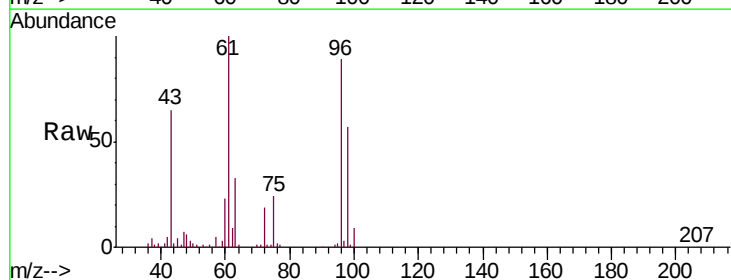


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

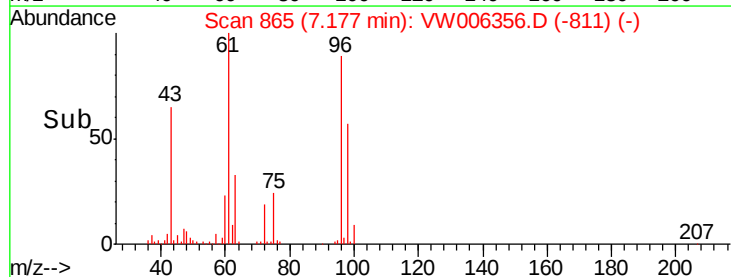
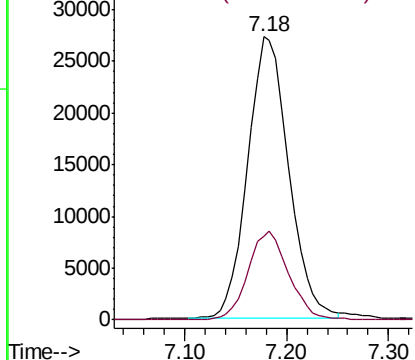


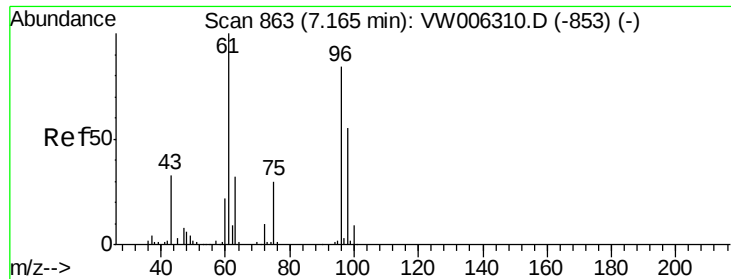
#21
 2-Butanone
 Concen: 43.989 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Tgt Ion: 43 Resp: 76308
 Ion Ratio Lower Upper
 43 100
 72 31.0 13.8 41.4



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



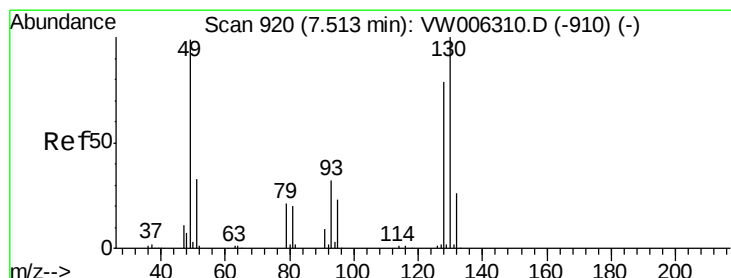
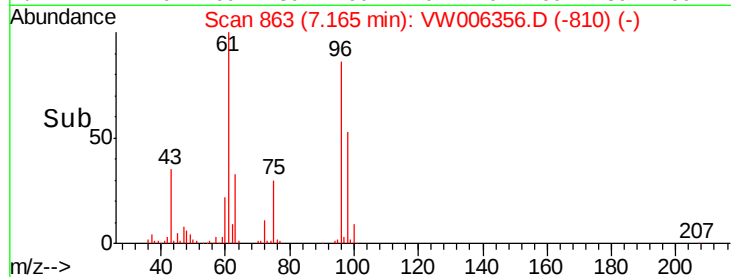
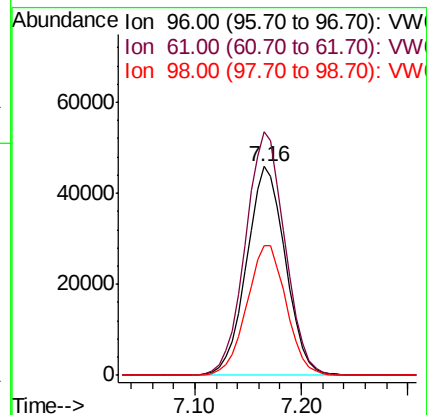
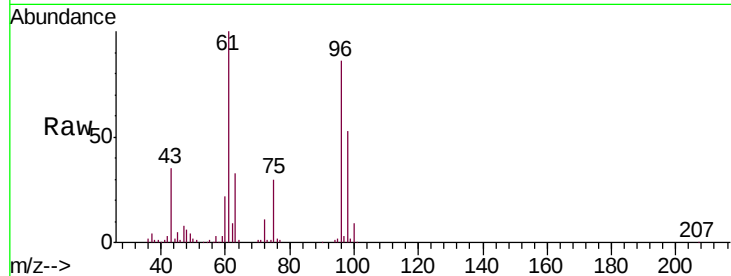


#22

cis-1,2-Dichloroethene
 Concen: 24.484 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

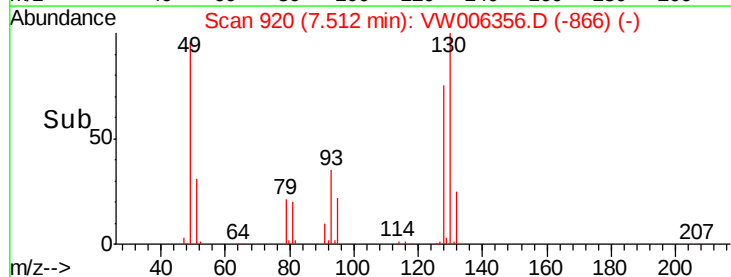
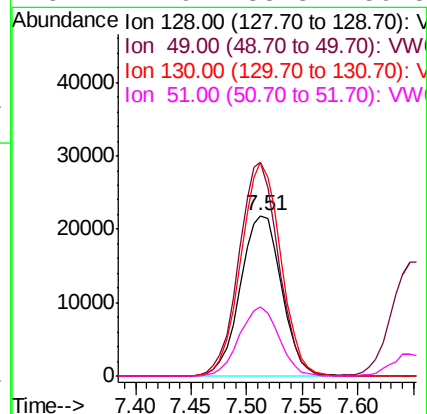
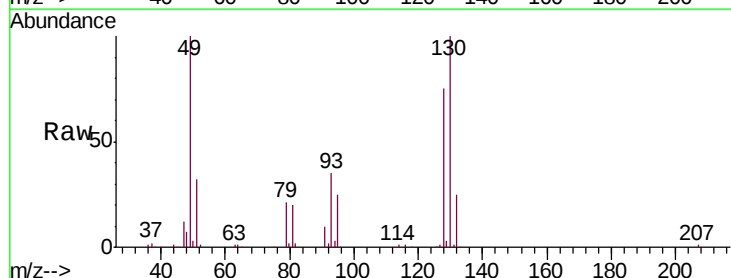
Tgt Ion: 96 Resp: 117355
 Ion Ratio Lower Upper
 96 100
 61 116.8 85.1 158.1
 98 62.3 46.3 86.1

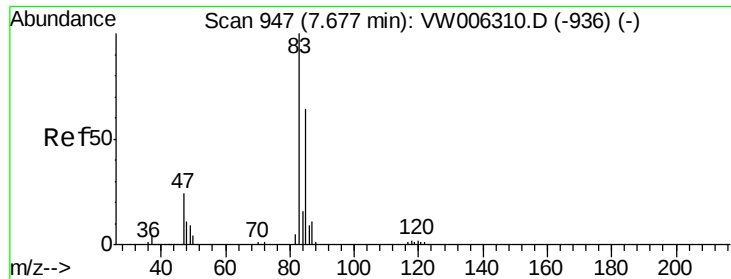


#23

Bromochloromethane
 Concen: 25.010 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Tgt Ion: 128 Resp: 56383
 Ion Ratio Lower Upper
 128 100
 49 132.9 95.2 176.8
 130 133.1 86.3 160.3
 51 42.9 33.8 50.8





#25

Chloroform

Concen: 24.672 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

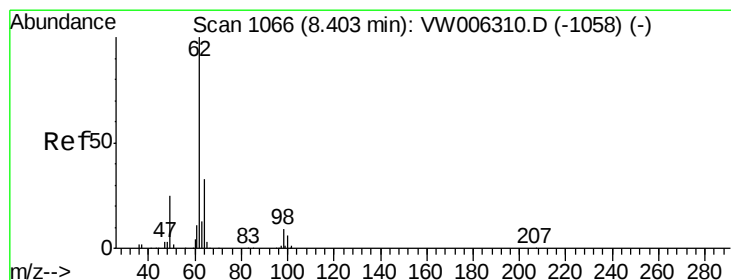
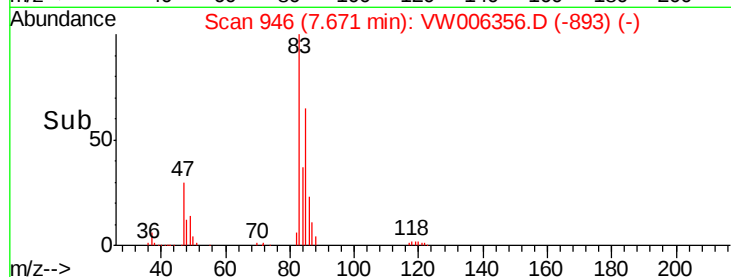
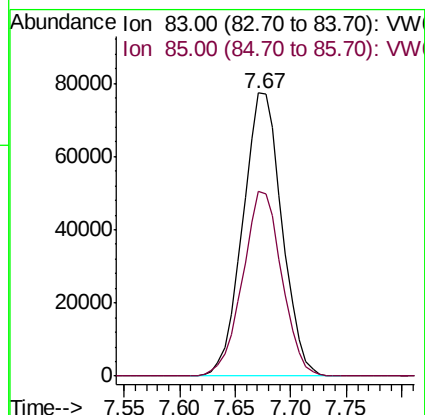
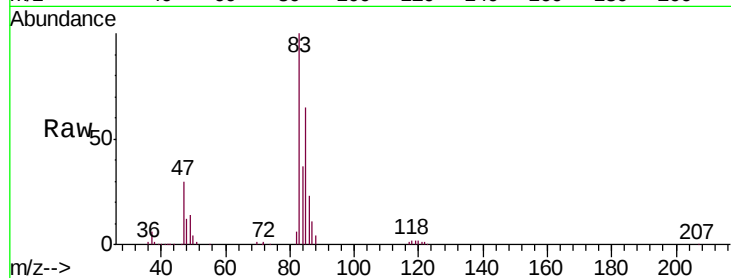
VSTD02506

Tgt Ion: 83 Resp: 188843

Ion Ratio Lower Upper

83 100

85 65.4 46.3 85.9



#27

1,2-Dichloroethane

Concen: 24.662 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006356.D

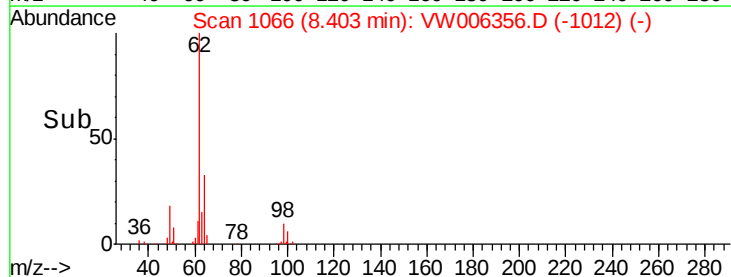
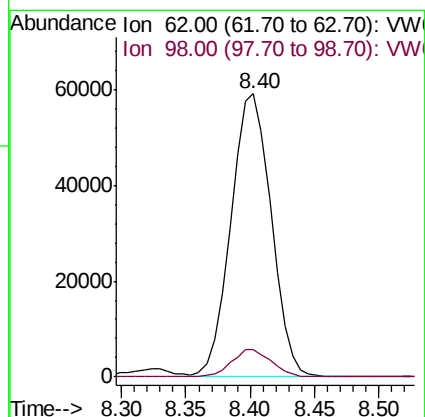
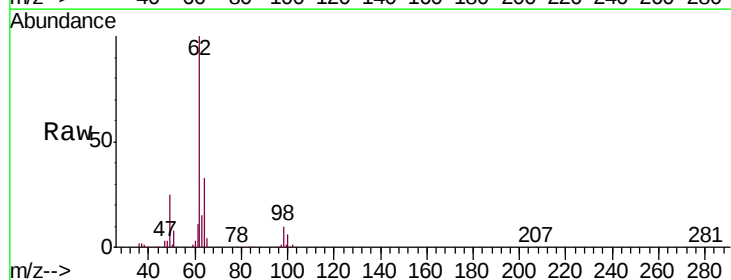
Acq: 25 Oct 2018 10:53

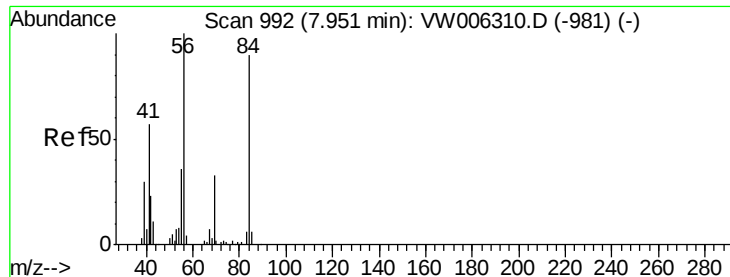
Tgt Ion: 62 Resp: 128672

Ion Ratio Lower Upper

62 100

98 9.8 8.0 12.0

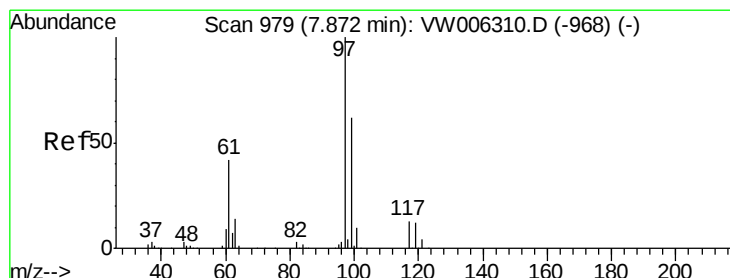
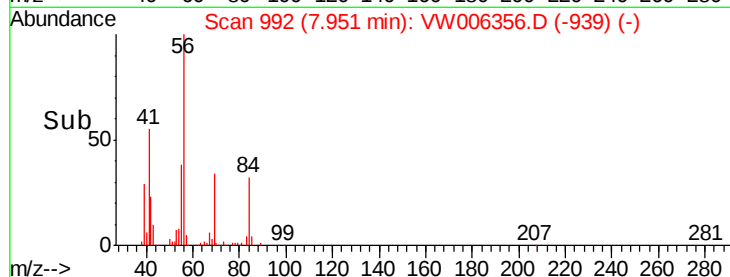
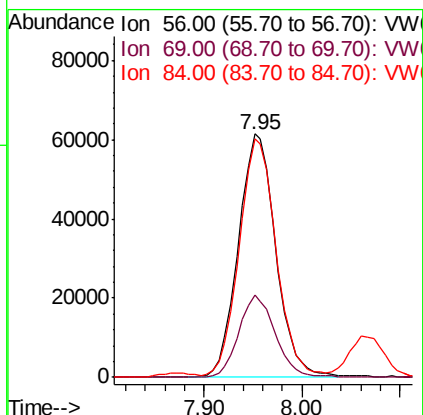
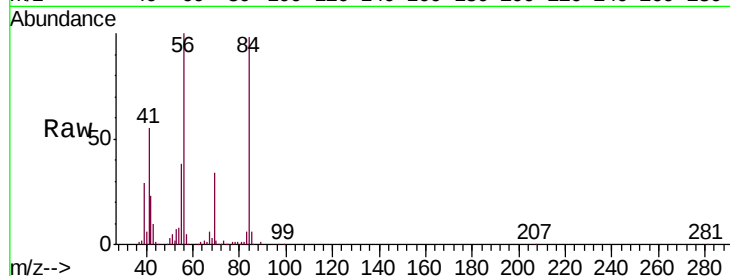




#30
Cyclohexane
Concen: 23.072 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006356.D
Acq: 25 Oct 2018 10:53

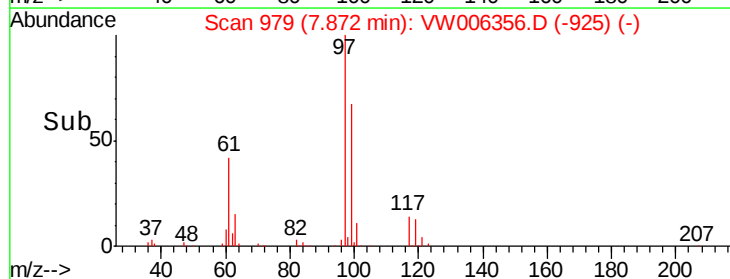
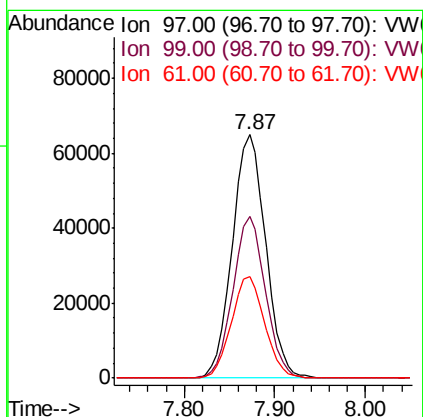
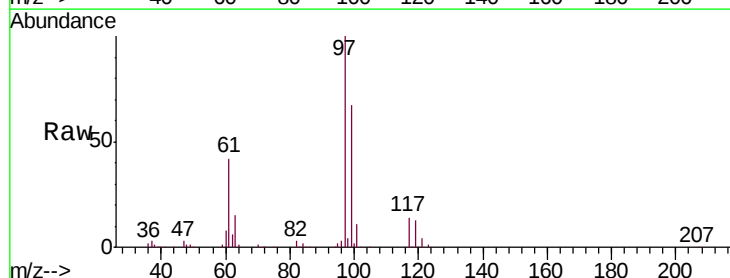
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

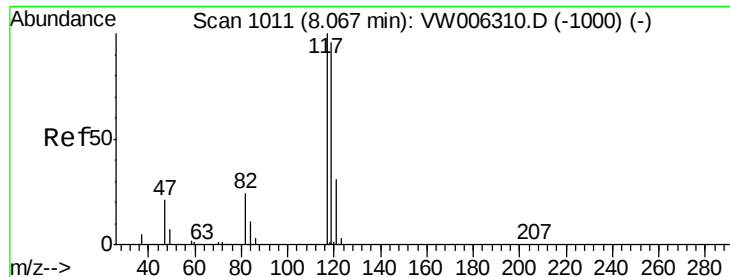
Tgt Ion: 56 Resp: 163120
Ion Ratio Lower Upper
56 100
69 32.8 25.4 38.0
84 96.7 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 24.659 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW006356.D
Acq: 25 Oct 2018 10:53

Tgt Ion: 97 Resp: 165980
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 41.6 33.6 50.4





#32

Carbon tetrachloride

Concen: 24.200 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

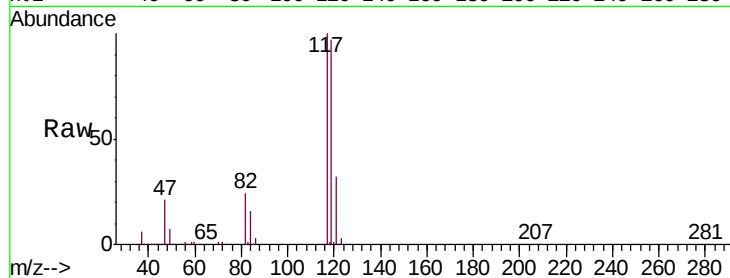
VSTD02506

Tgt Ion:117 Resp: 159753

Ion Ratio Lower Upper

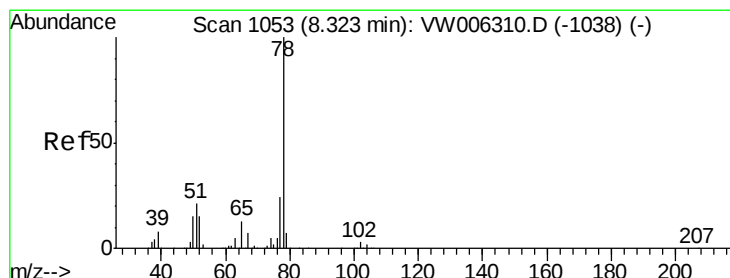
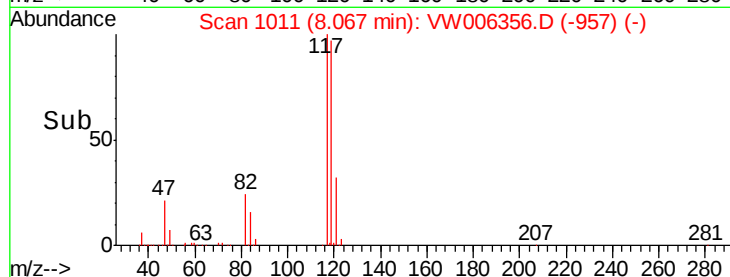
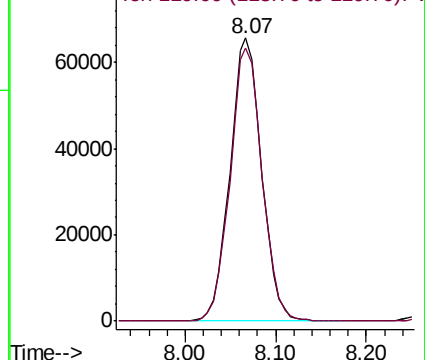
117 100

119 97.4 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.563 ug/L

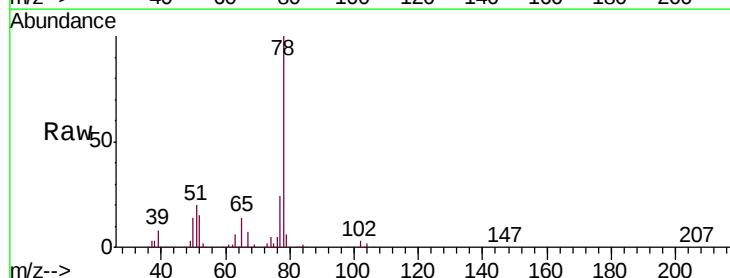
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

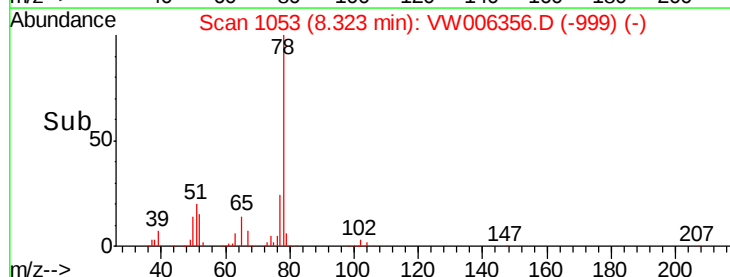
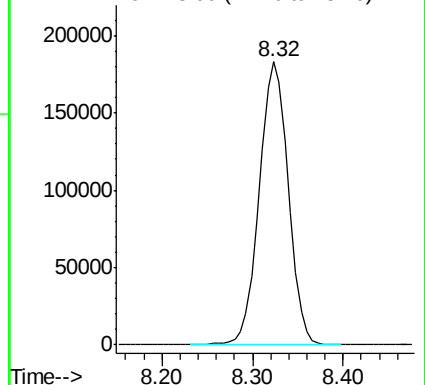
Lab File: VW006356.D

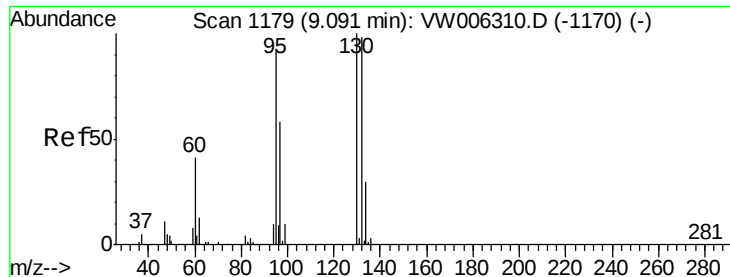
Acq: 25 Oct 2018 10:53

Tgt Ion: 78 Resp: 405619



Abundance Ion 78.00 (77.70 to 78.70): VW

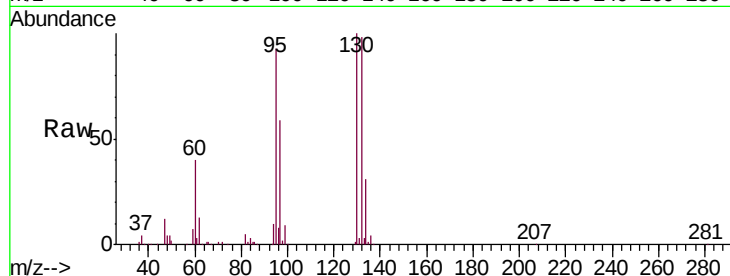




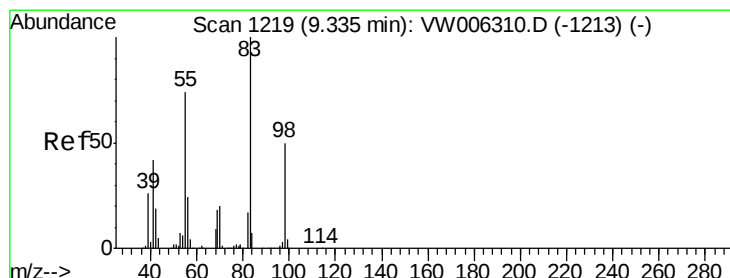
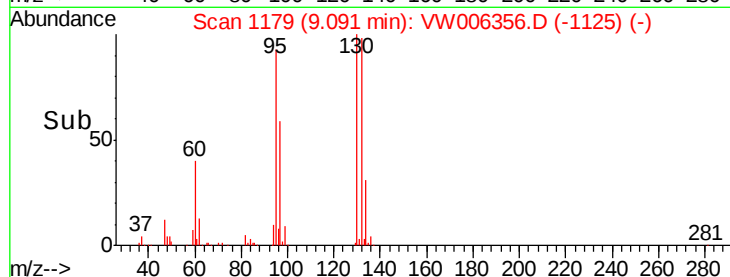
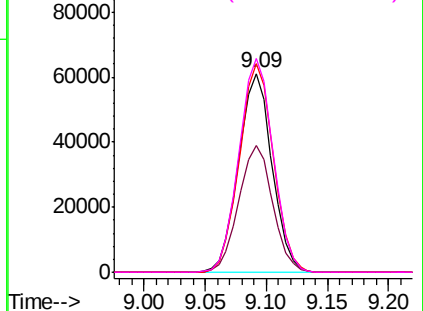
#35
 Trichloroethene
 Concen: 25.026 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

Tgt Ion: 95 Resp: 116274
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.8 85.0
 132 106.3 72.9 135.3
 130 109.7 75.8 140.8

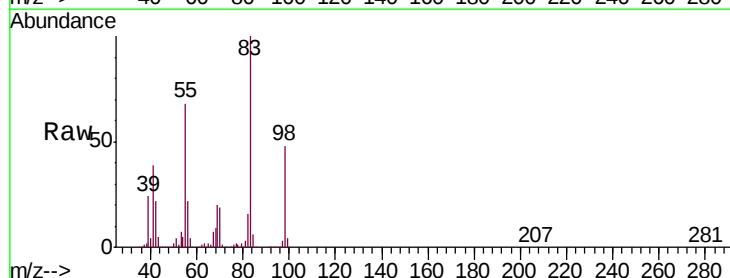


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

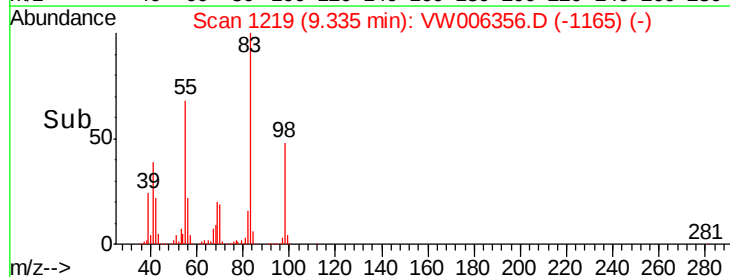
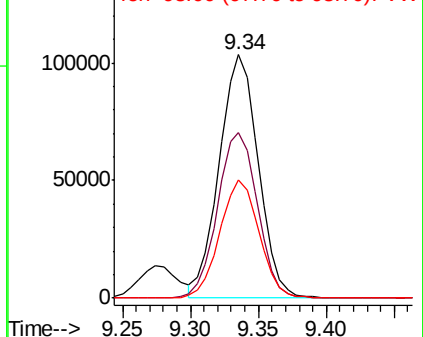


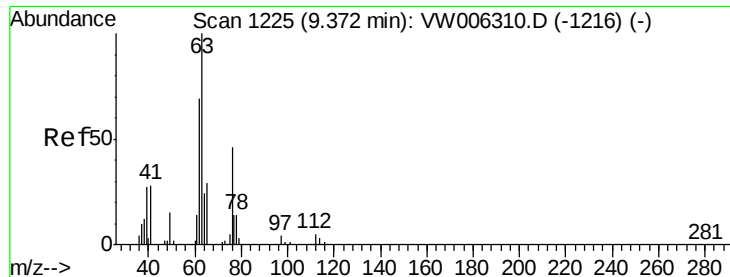
#36
 Methylcyclohexane
 Concen: 24.331 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Tgt Ion: 83 Resp: 207131
 Ion Ratio Lower Upper
 83 100
 55 69.5 57.1 85.7
 98 49.0 38.9 58.3



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

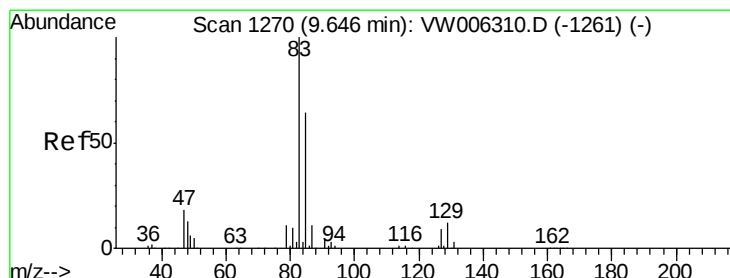
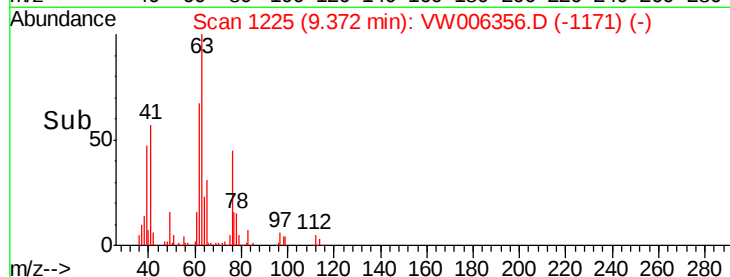
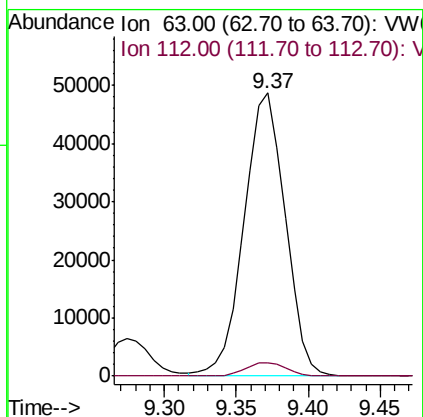
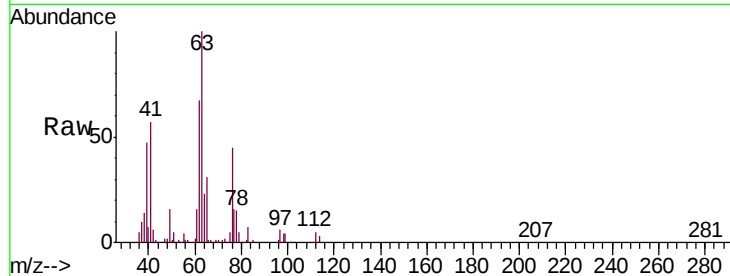




#40
 1,2-Dichloropropane
 Concen: 23.620 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

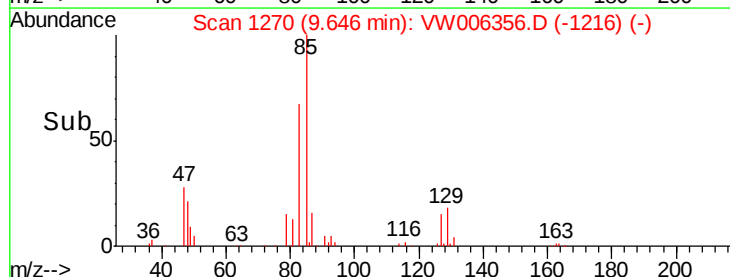
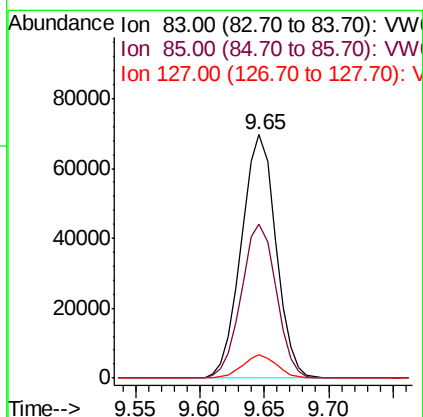
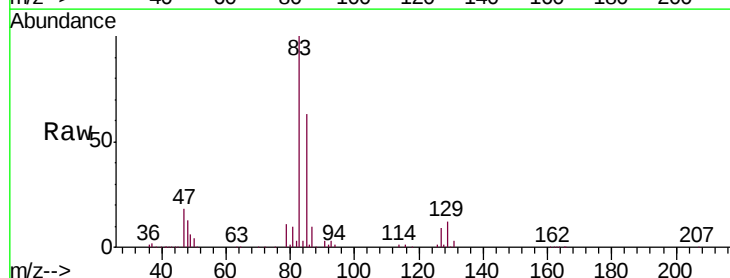
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02506

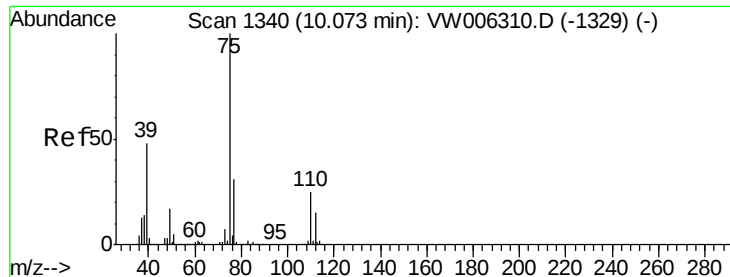
Tgt Ion: 63 Resp: 96756
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#41
 Bromodichloromethane
 Concen: 23.428 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Tgt Ion: 83 Resp: 129597
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.5 84.5
 127 9.4 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 23.580 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

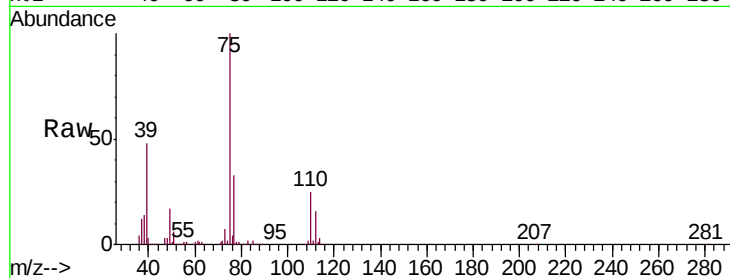
VSTD02506

Tgt Ion: 75 Resp: 157771

Ion Ratio Lower Upper

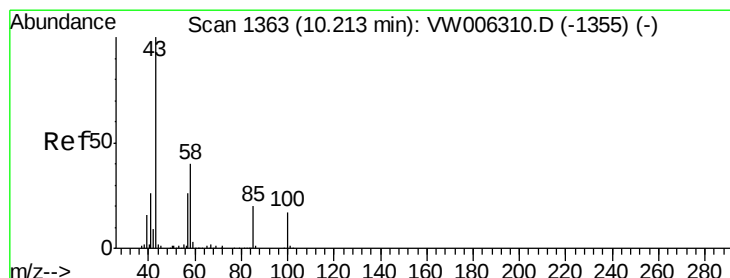
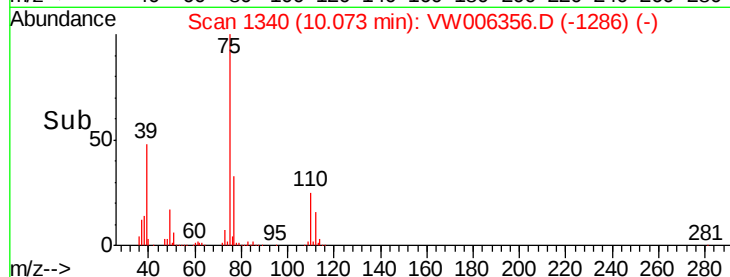
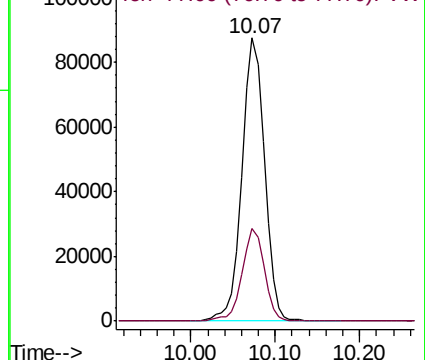
75 100

77 32.5 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 44.811 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

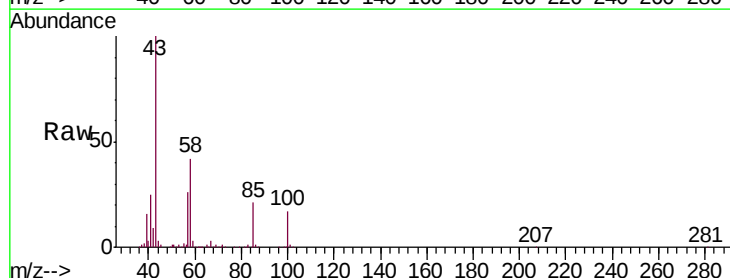
Tgt Ion: 43 Resp: 147090

Ion Ratio Lower Upper

43 100

58 40.3 31.4 47.2

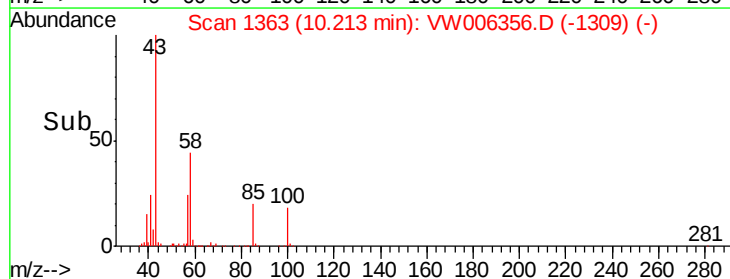
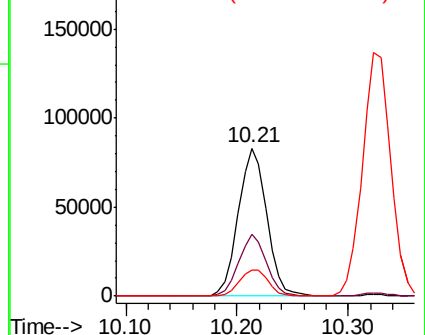
100 17.9 13.3 19.9

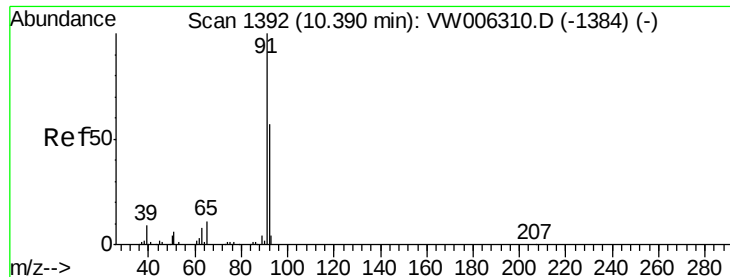


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 24.783 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

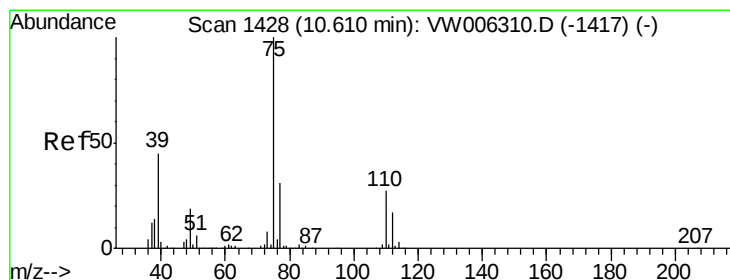
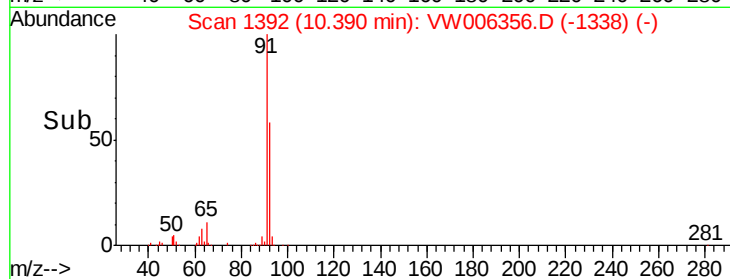
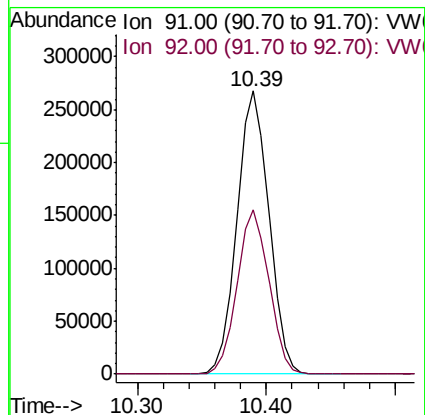
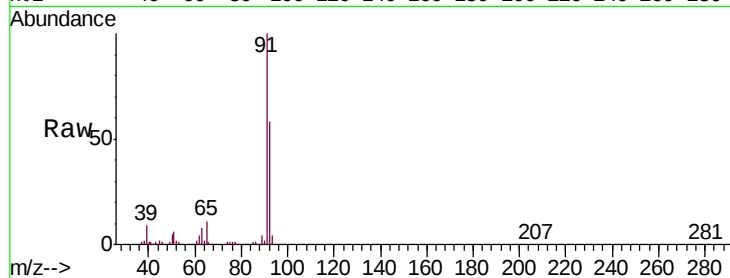
VSTD02506

Tgt Ion: 91 Resp: 459530

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 23.511 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006356.D

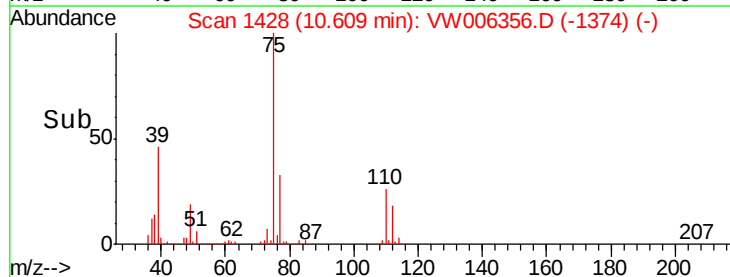
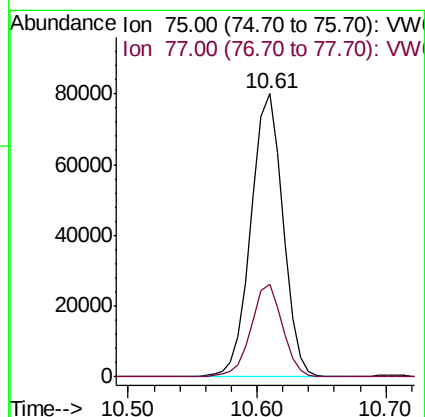
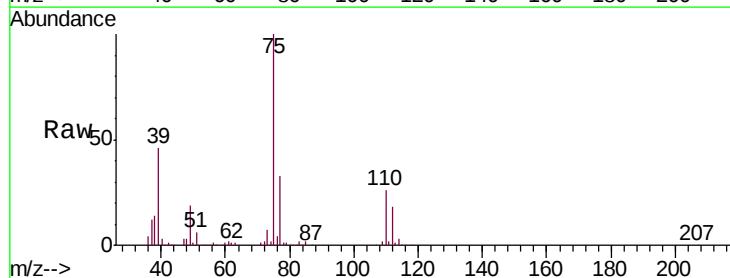
Acq: 25 Oct 2018 10:53

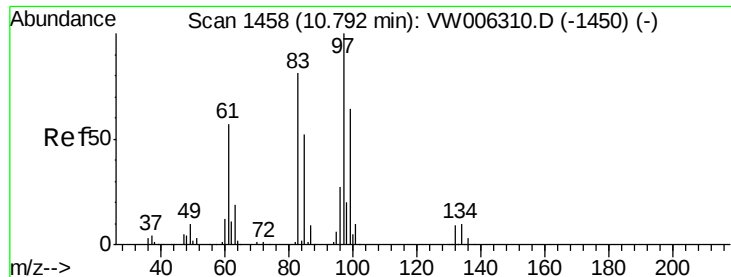
Tgt Ion: 75 Resp: 137407

Ion Ratio Lower Upper

75 100

77 32.8 22.4 41.6

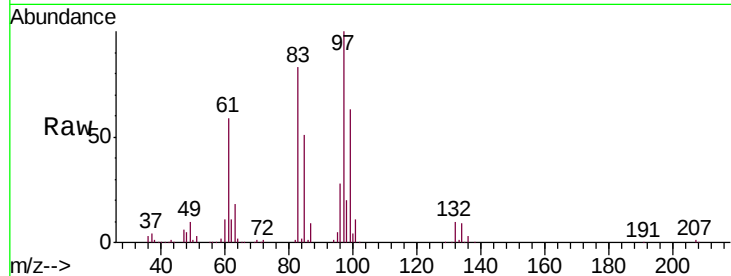




#46
 1,1,2-Trichloroethane
 Concen: 25.218 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

Tgt Ion:	97	Resp:	86024
Ion	Ratio	Lower	Upper
97	100		
83	83.1	60.0	111.4
85	51.3	38.7	71.9
99	63.1	44.3	82.3



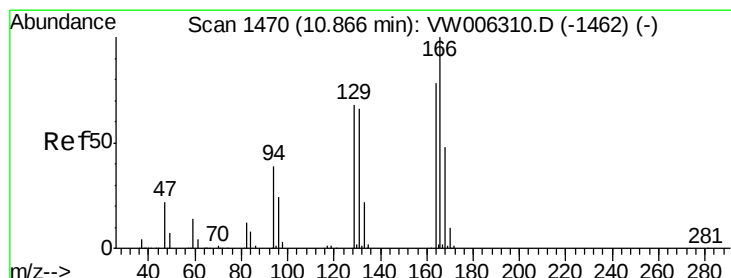
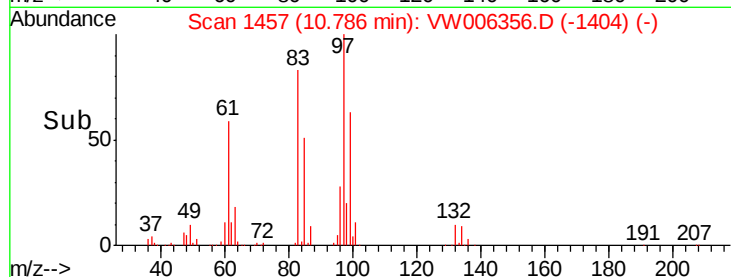
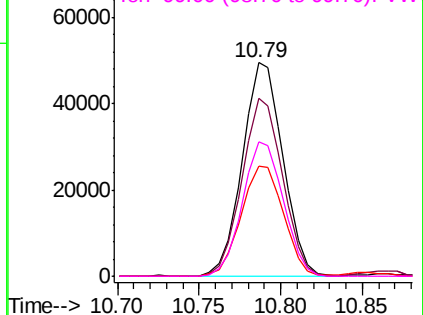
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

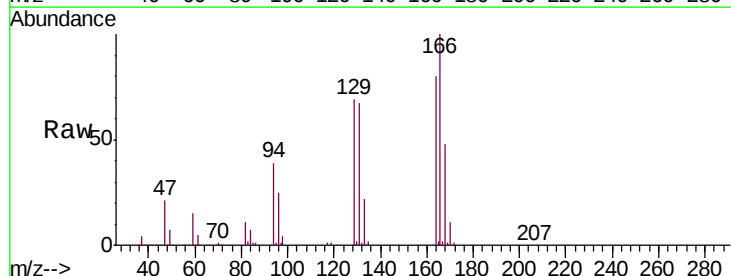
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 25.710 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Tgt Ion:	164	Resp:	110574
Ion	Ratio	Lower	Upper
164	100		
129	87.1	65.4	121.4
131	83.8	63.8	118.4
166	125.6	92.3	171.3



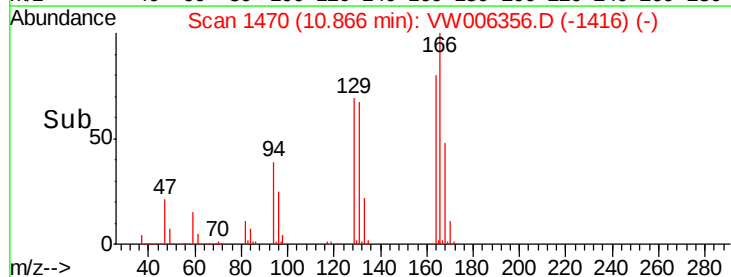
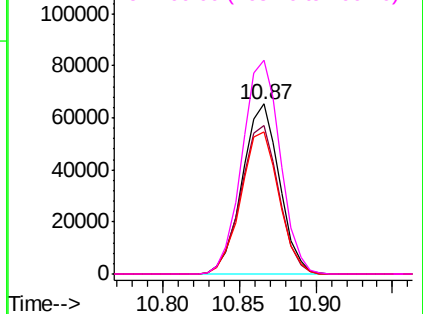
Abundance

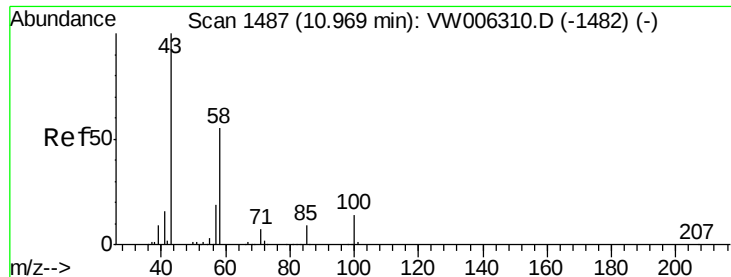
Ion 164.00 (163.70 to 164.70): V

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

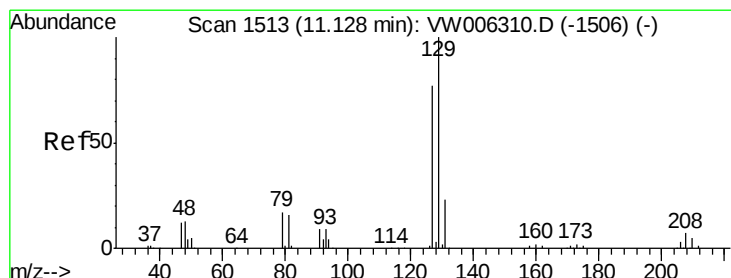
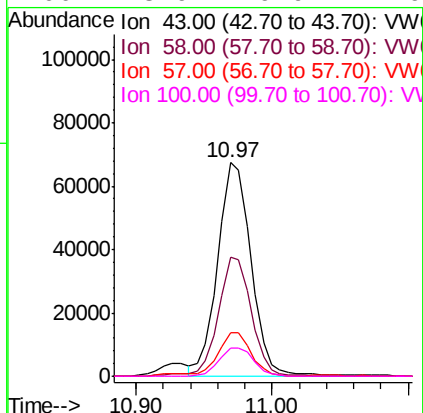
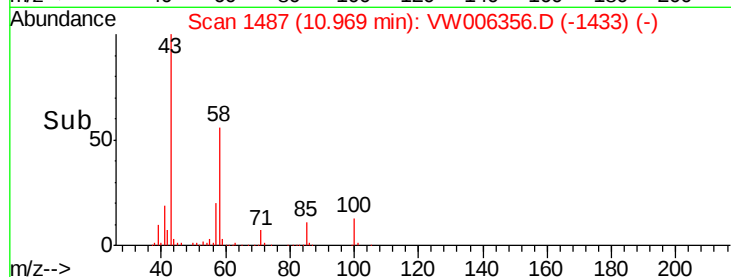
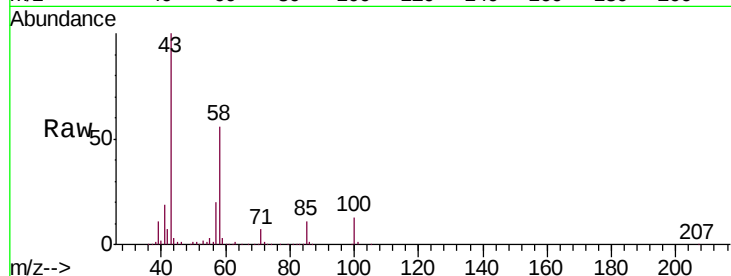




#49
2-Hexanone
Concen: 47.415 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW006356.D
Acq: 25 Oct 2018 10:53

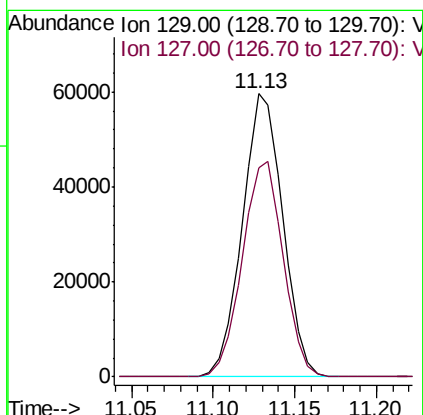
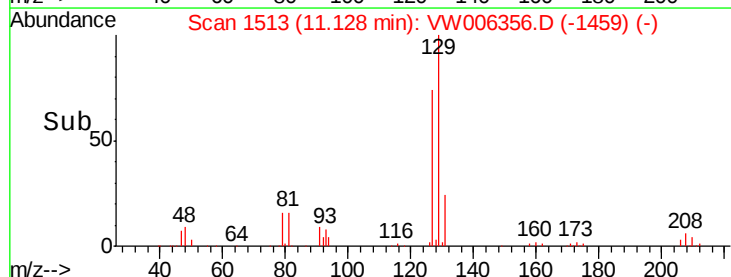
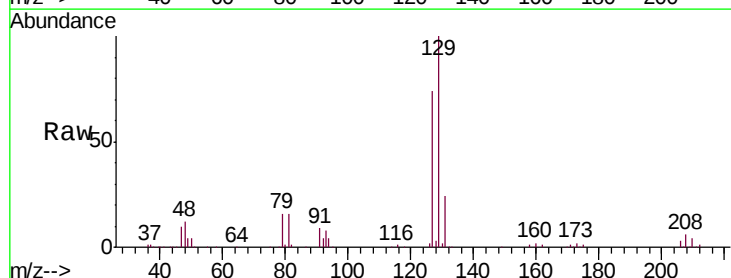
Instrument :
MSVOA_W
ClientSampleId :
VSTD02506

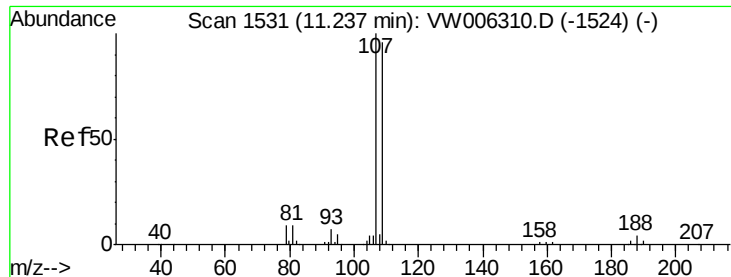
Tgt Ion: 43 Resp: 114703
Ion Ratio Lower Upper
43 100
58 55.0 42.1 63.1
57 20.2 15.1 22.7
100 13.9 9.9 14.9



#50
Dibromochloromethane
Concen: 23.633 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006356.D
Acq: 25 Oct 2018 10:53

Tgt Ion: 129 Resp: 103332
Ion Ratio Lower Upper
129 100
127 73.8 54.4 101.0

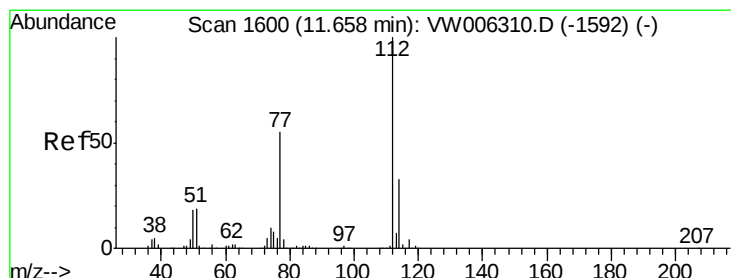
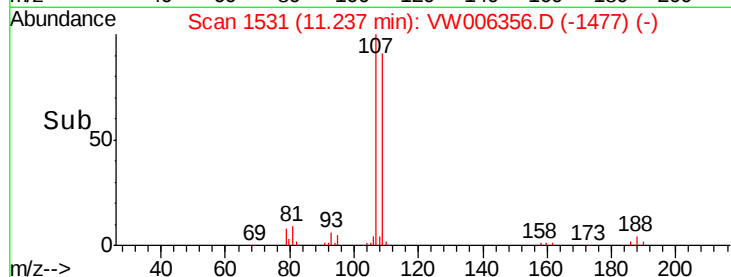
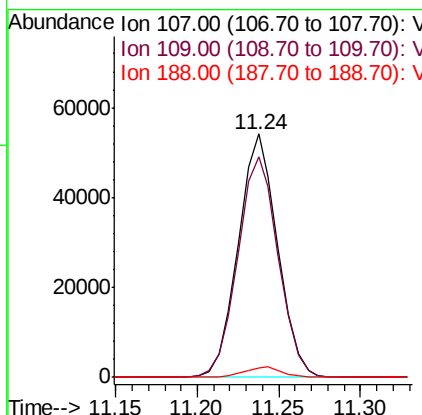
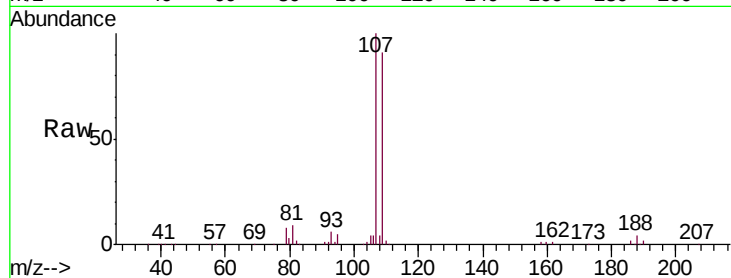




#51
 1,2-Dibromoethane
 Concen: 25.458 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

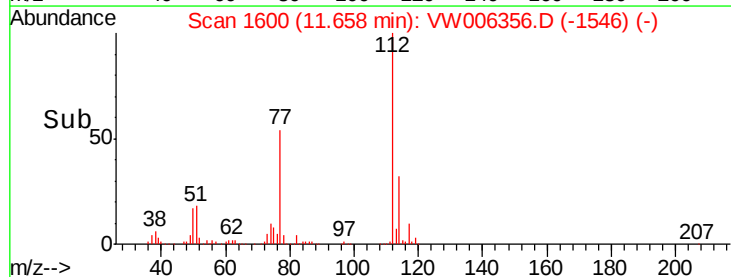
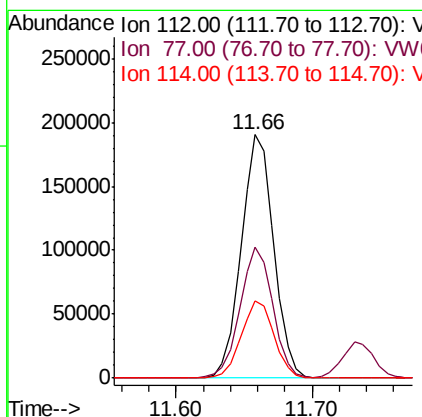
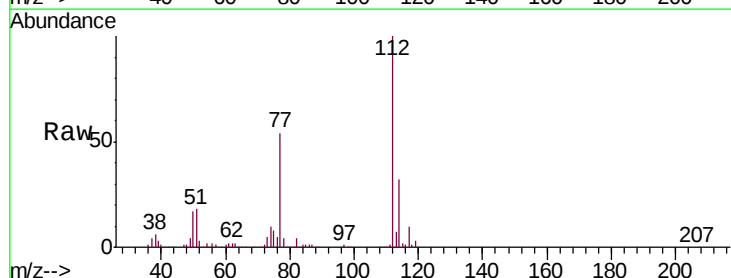
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

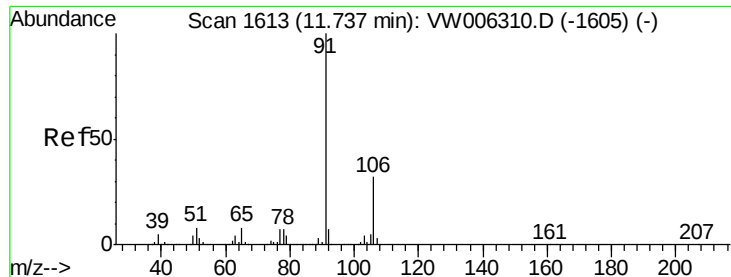
Tgt Ion:107 Resp: 90395
 Ion Ratio Lower Upper
 107 100
 109 90.8 66.6 123.8
 188 3.9 3.4 5.0



#52
 Chlorobenzene
 Concen: 25.219 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Tgt Ion:112 Resp: 316439
 Ion Ratio Lower Upper
 112 100
 77 53.6 44.2 66.2
 114 31.7 22.1 41.1





#53

Ethylbenzene

Concen: 24.863 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

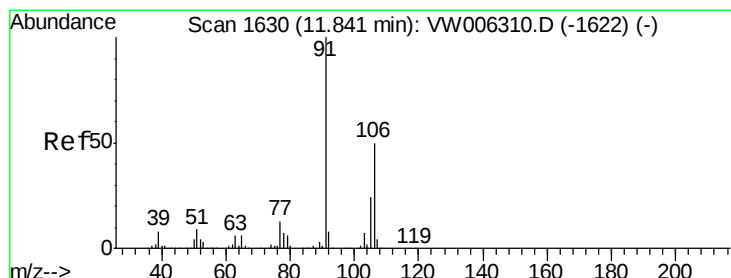
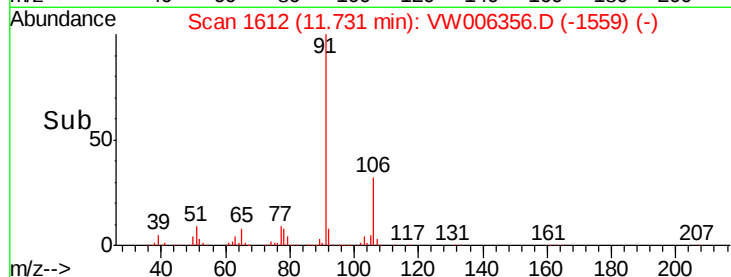
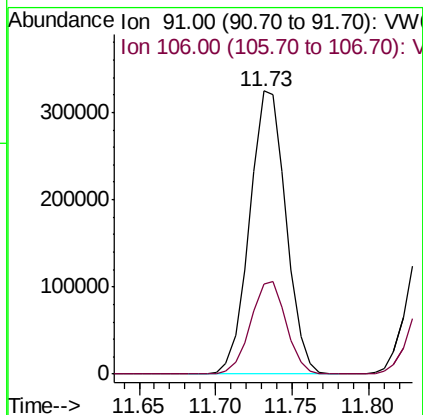
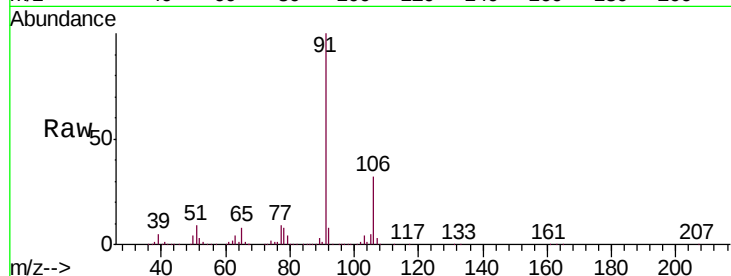
VSTD02506

Tgt Ion: 91 Resp: 536693

Ion Ratio Lower Upper

91 100

106 31.9 22.6 42.0



#54

m,p-Xylene

Concen: 24.883 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006356.D

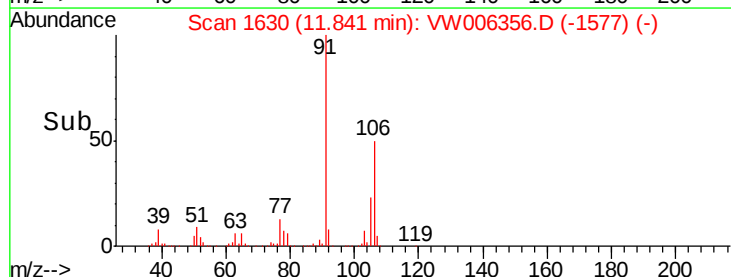
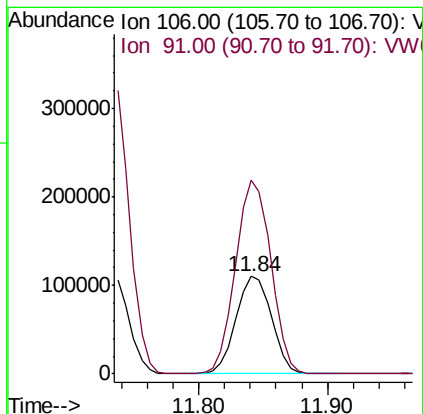
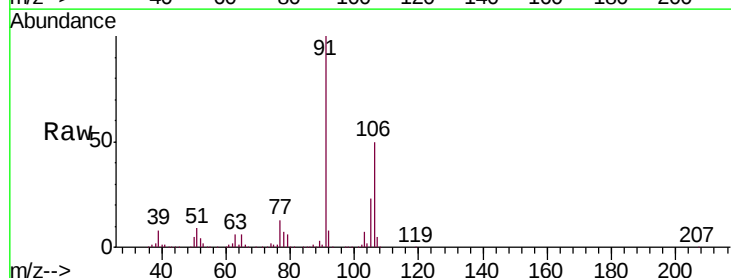
Acq: 25 Oct 2018 10:53

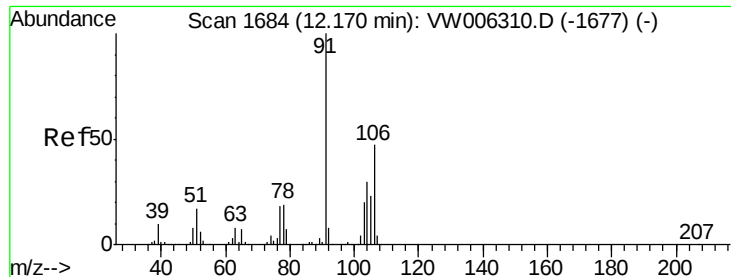
Tgt Ion: 106 Resp: 210546

Ion Ratio Lower Upper

106 100

91 198.3 138.4 257.0





#55

o-xylene

Concen: 24.729 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampled :

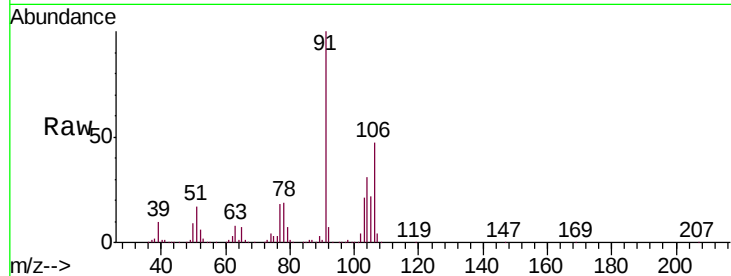
VSTD02506

Tgt Ion:106 Resp: 199786

Ion Ratio Lower Upper

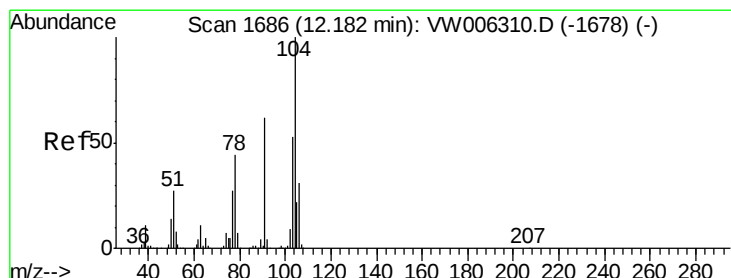
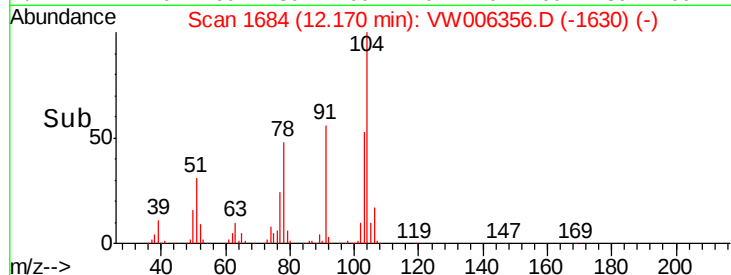
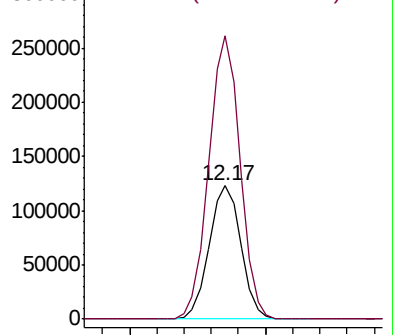
106 100

91 212.4 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.394 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VW006356.D

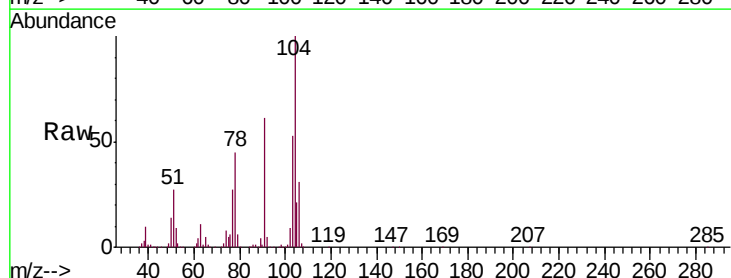
Acq: 25 Oct 2018 10:53

Tgt Ion:104 Resp: 339389

Ion Ratio Lower Upper

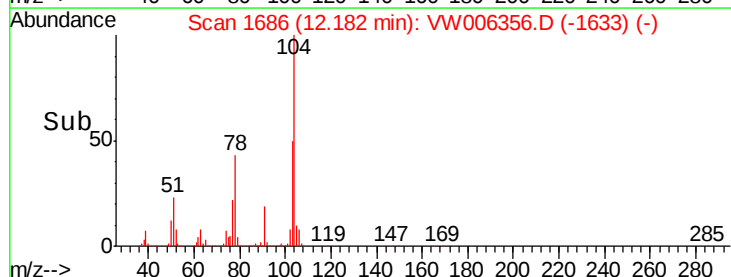
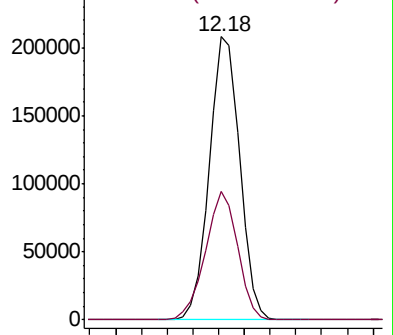
104 100

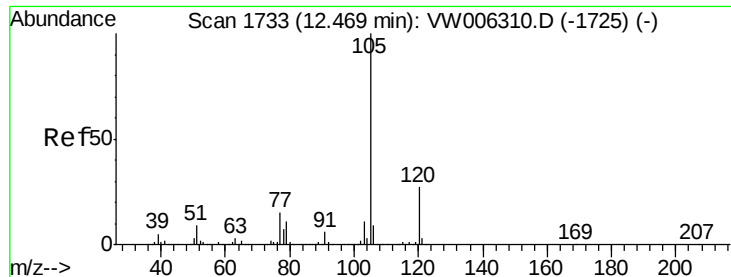
78 45.5 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.078 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

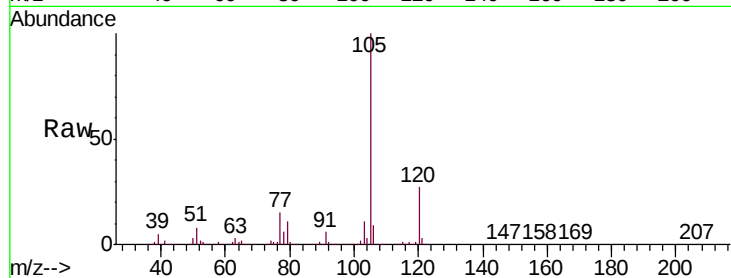
Tgt Ion: 105 Resp: 563738

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.6

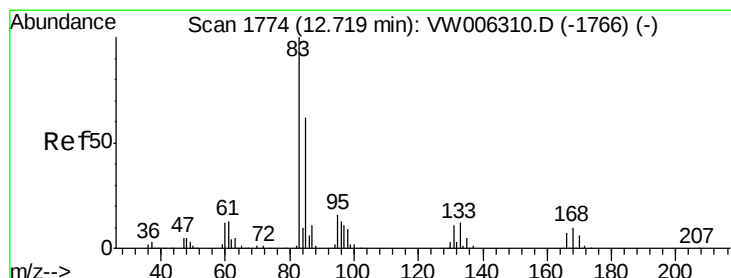
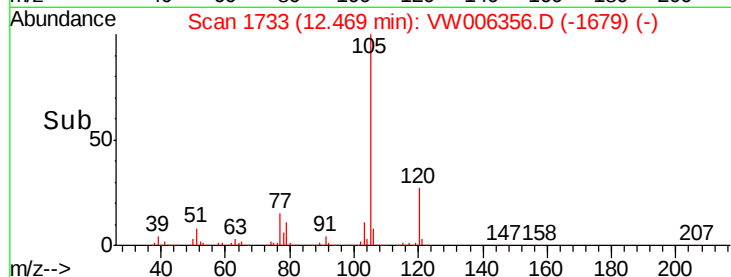
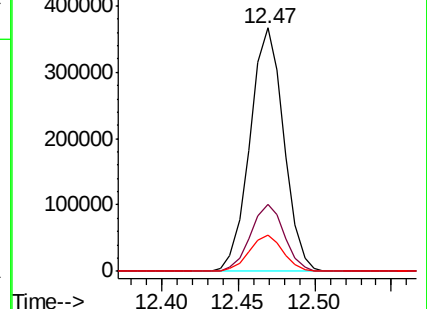
77 15.0 12.2 18.2



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: 25.480 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

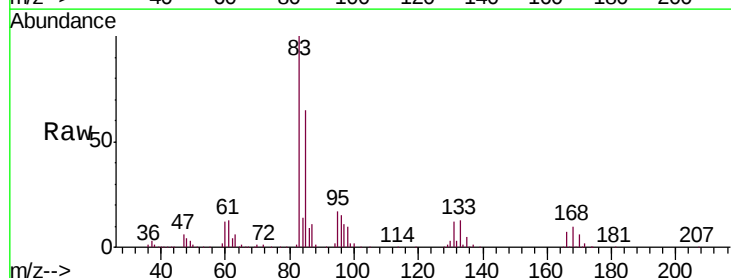
Tgt Ion: 83 Resp: 112953

Ion Ratio Lower Upper

83 100

85 65.0 44.8 83.2

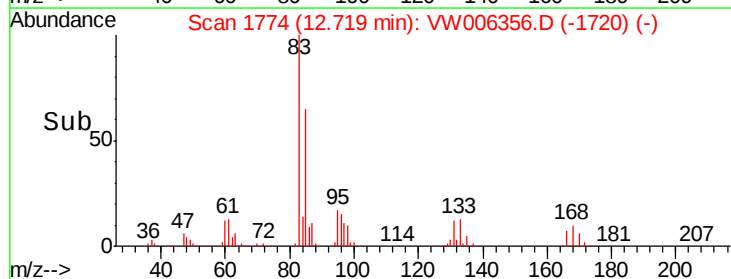
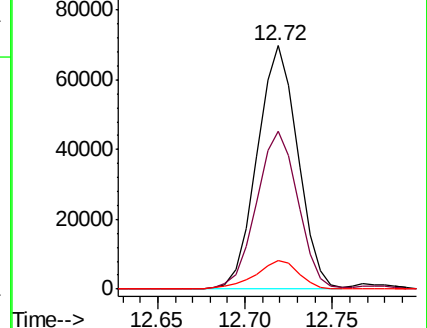
131 11.7 9.0 13.4

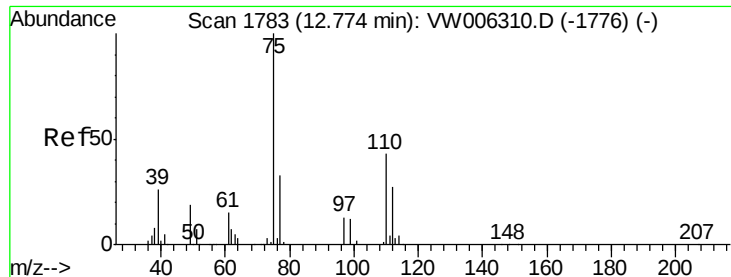


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.516 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

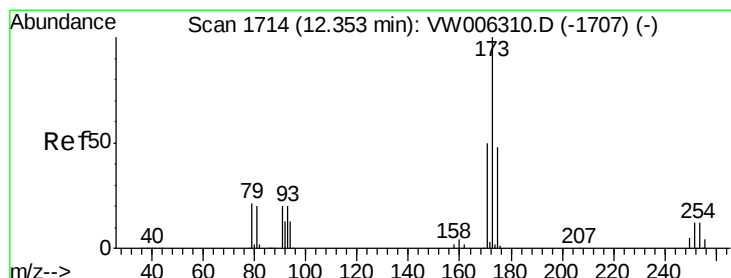
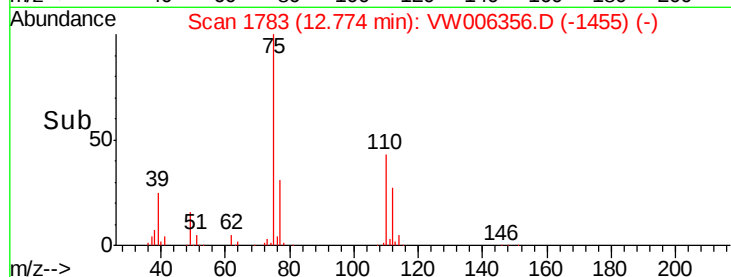
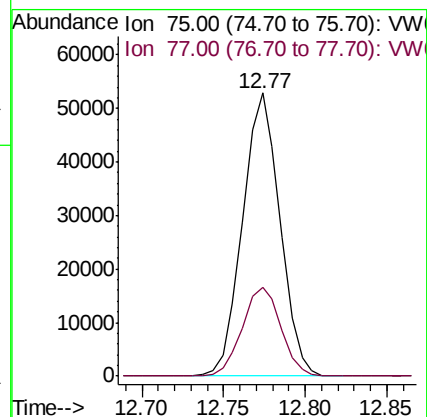
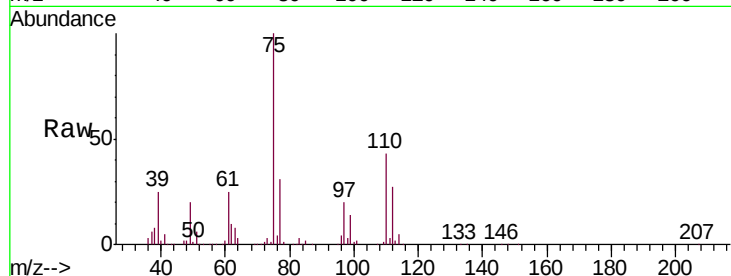
VSTD02506

Tgt Ion: 75 Resp: 84394

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#62

Bromoform

Concen: 22.325 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

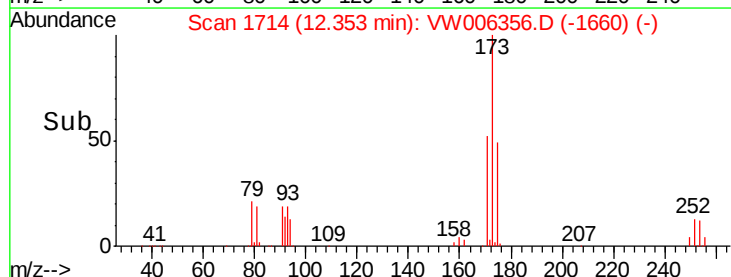
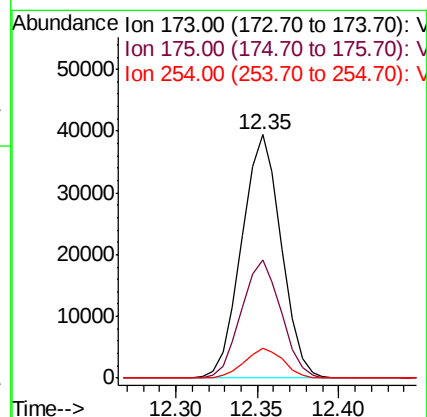
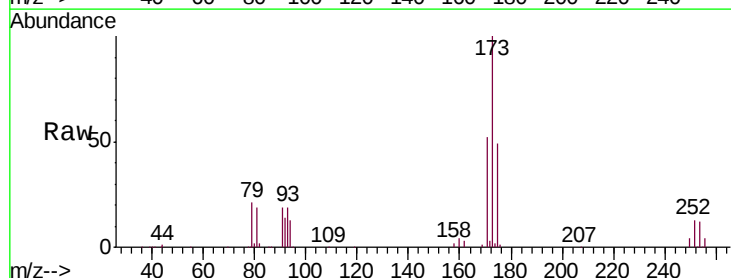
Tgt Ion: 173 Resp: 66535

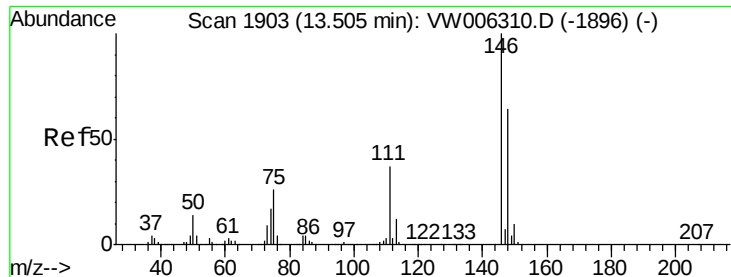
Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

254 12.1 9.2 13.8

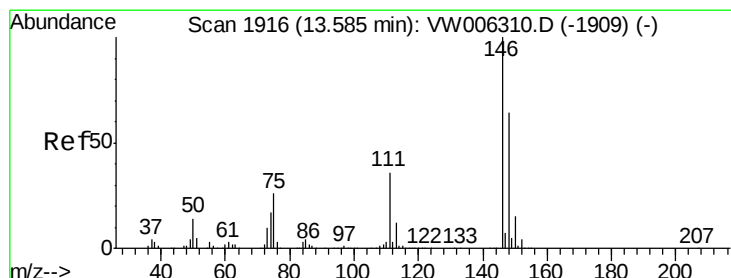
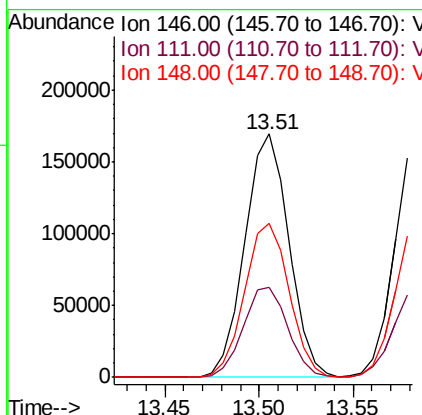
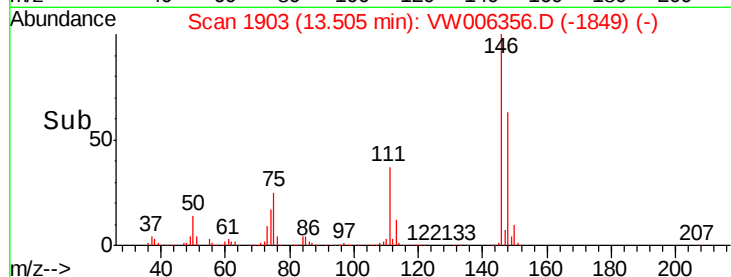
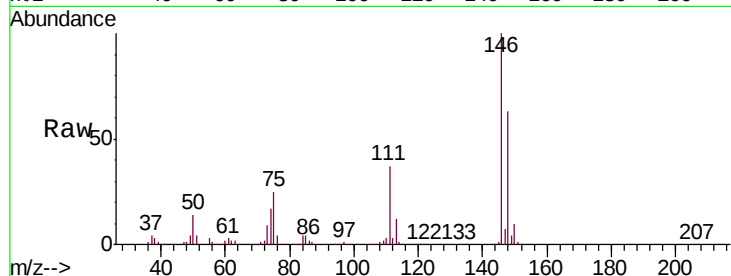




#63
 1,3-Dichlorobenzene
 Concen: 25.169 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

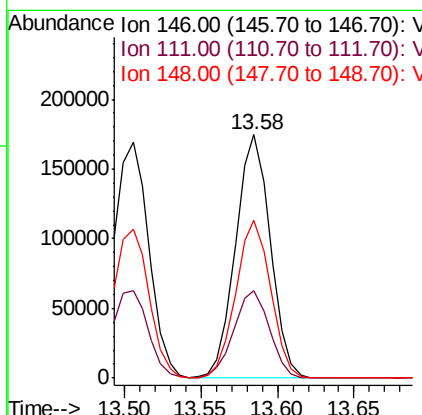
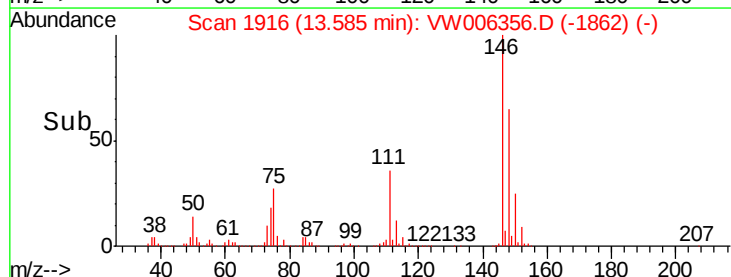
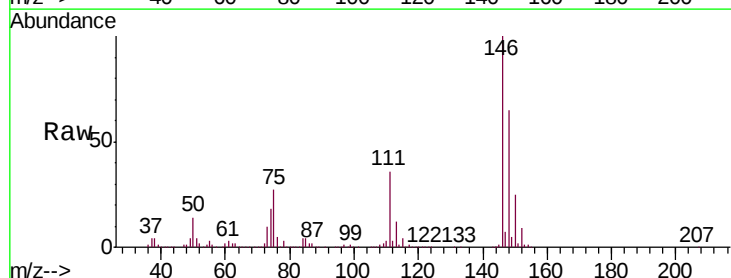
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

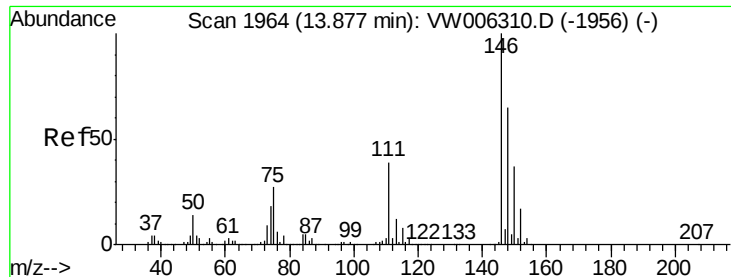
Tgt Ion:146 Resp: 274906
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.3 48.9
 148 63.3 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.009 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Tgt Ion:146 Resp: 275080
 Ion Ratio Lower Upper
 146 100
 111 35.8 24.7 45.9
 148 64.8 44.9 83.5

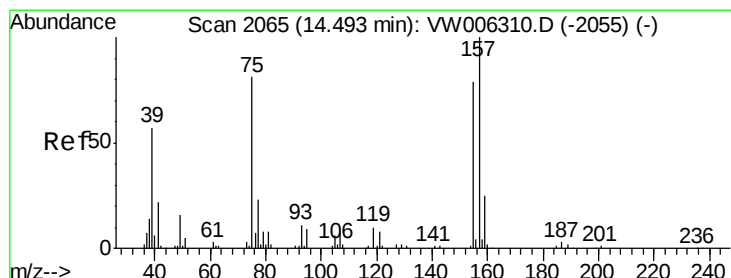
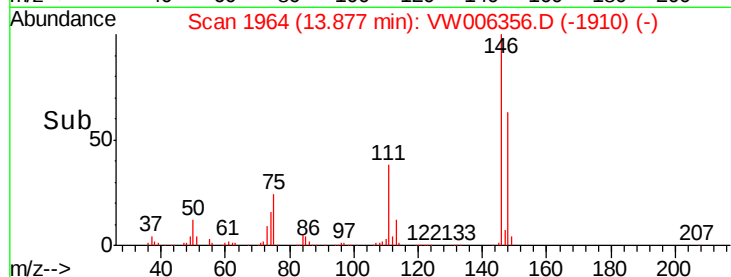
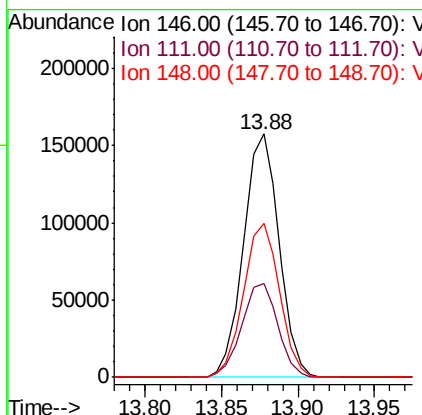
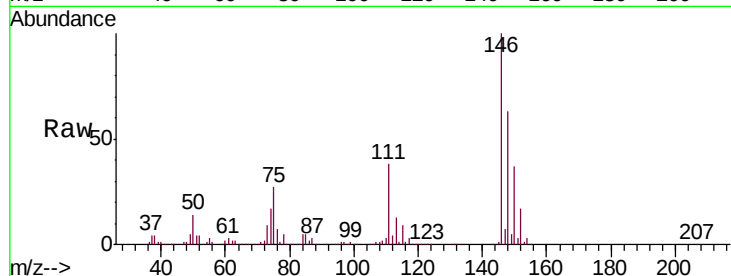




#65
 1,2-Dichlorobenzene
 Concen: 25.346 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

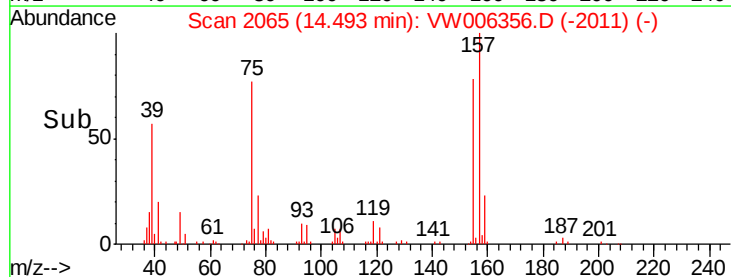
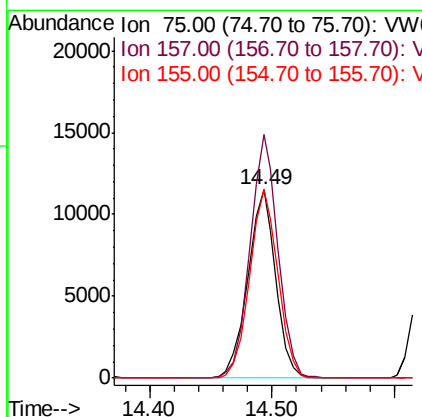
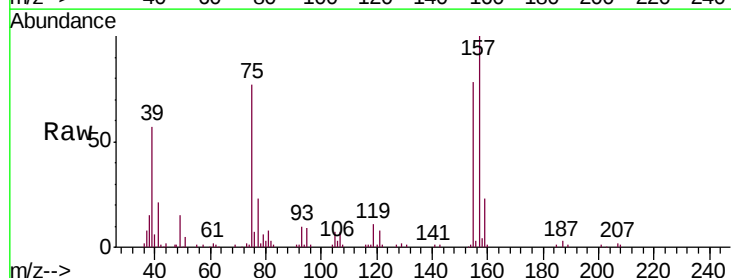
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

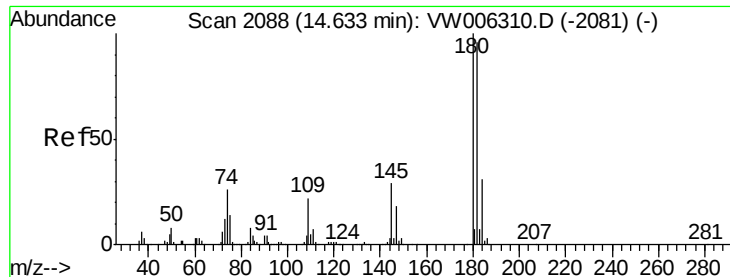
Tgt Ion: 146 Resp: 254682
 Ion Ratio Lower Upper
 146 100
 111 38.4 31.1 46.7
 148 63.3 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.515 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Tgt Ion: 75 Resp: 18210
 Ion Ratio Lower Upper
 75 100
 157 129.2 106.8 160.2
 155 100.4 79.2 118.8

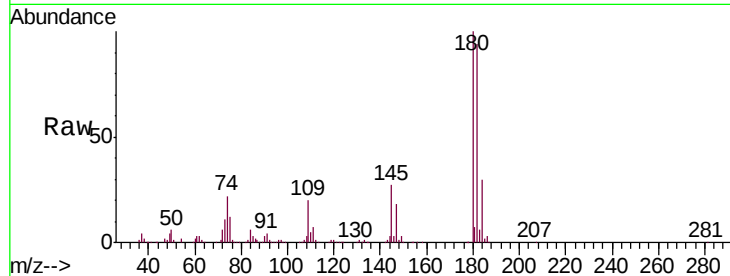




#67
 1,3,5-Trichlorobenzene
 Concen: 25.925 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

Tgt Ion:	180	Resp:	228255
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.0	114.0
184	30.6	24.3	36.5
145	27.7	22.6	33.8



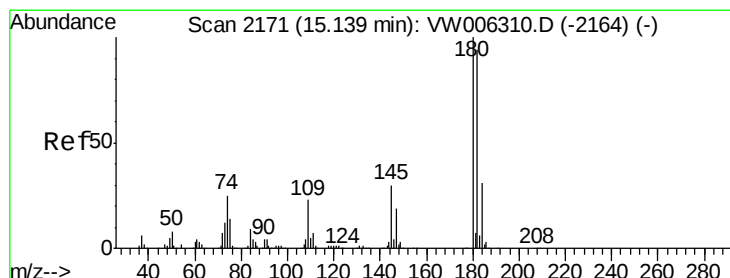
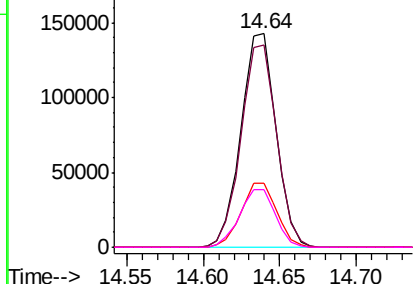
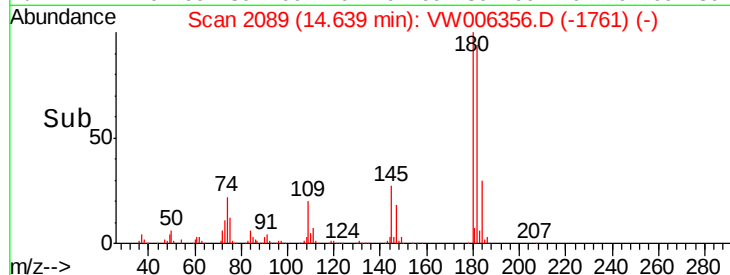
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

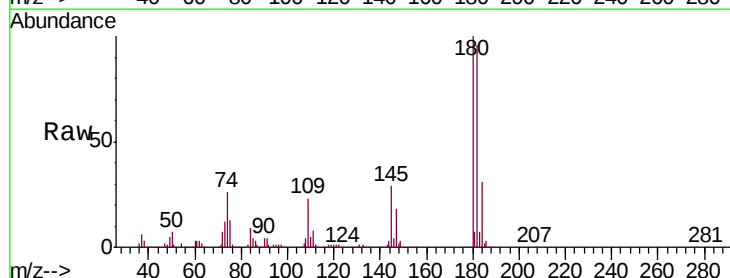
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.223 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006356.D
 Acq: 25 Oct 2018 10:53

Tgt Ion:	180	Resp:	196870
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
145	28.4	23.0	34.6

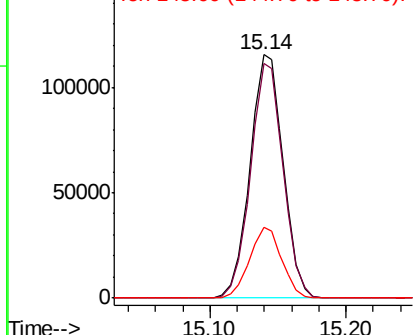
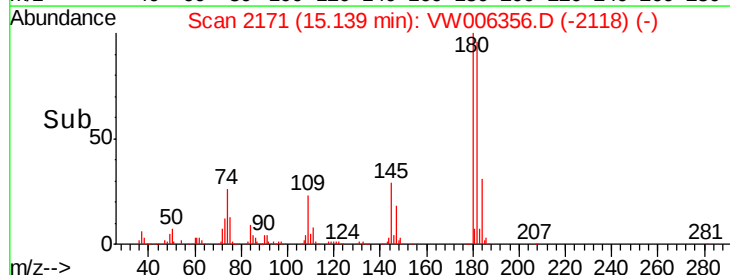


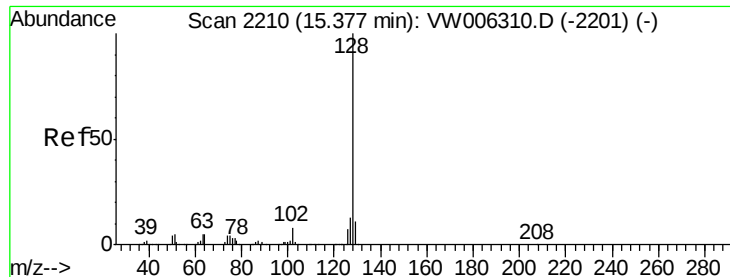
Abundance

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: 25.414 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02506

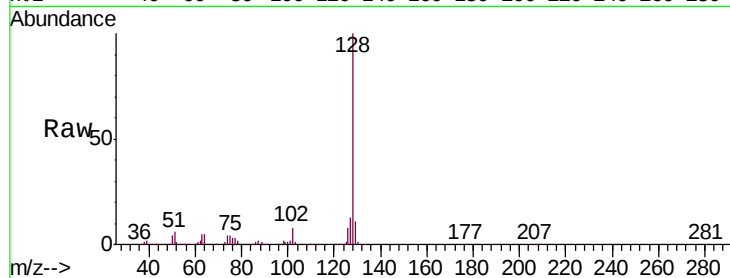
Tgt Ion:128 Resp: 386299

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

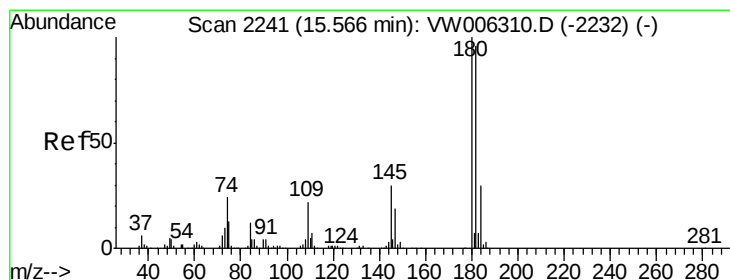
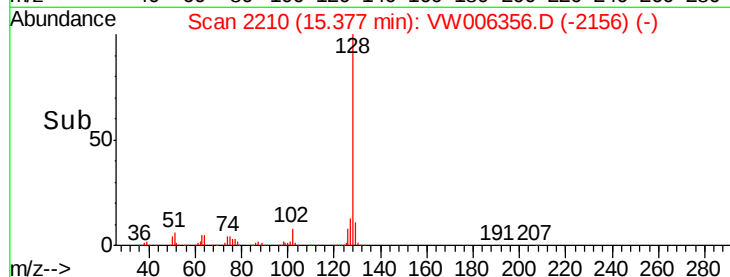
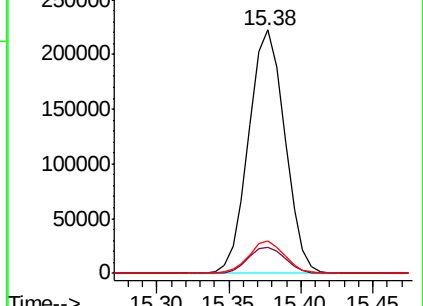
127 13.1 10.5 15.7



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: 25.945 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006356.D

Acq: 25 Oct 2018 10:53

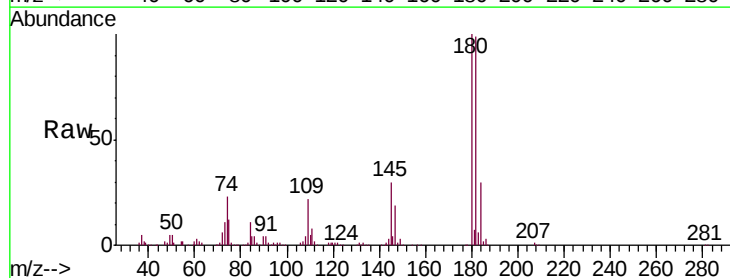
Tgt Ion:180 Resp: 174993

Ion Ratio Lower Upper

180 100

182 97.0 75.5 113.3

145 30.3 24.5 36.7



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

