

Data File : VW006465.D
Acq On : 29 Oct 2018 19:24
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Quant Time: Oct 30 04:58:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 30 04:53:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	292680	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	276777	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	151874	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	89008	26.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.88%
7) Chloroethane-d5	2.90	69	78183	27.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.08%
10) 1,1-Dichloroethene-d2	4.02	63	167167	26.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.48%
20) 2-Butanone-d5	7.08	46	61639	56.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.68%
24) Chloroform-d	7.65	84	167542	26.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.72%
26) 1,2-Dichloroethane-d4	8.31	65	92576	26.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.56%
29) Benzene-d6	8.27	84	330021	26.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.04%
33) 1,2-Dichloropropane-d6	9.27	67	93711	24.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.84%
37) Toluene-d8	10.33	98	328371	26.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.52%
38) trans-1,3-Dichloropropene-	10.58	79	42951	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.20%
39) 2-Hexanone-d5	10.93	63	51280	55.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103903	28.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	137185	26.35	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	88941	32.152 ug/L	96
3) Chloromethane	2.21	50	76874	28.298 ug/L	100
5) Vinyl chloride	2.37	62	119272	27.241 ug/L	98
6) Bromomethane	2.78	94	89813	26.343 ug/L	99
8) Chloroethane	2.93	64	76130	28.367 ug/L	98
9) Trichlorofluoromethane	3.26	101	109746	31.330 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	105889	30.236 ug/L	99
12) 1,1-Dichloroethene	4.04	96	96820	28.813 ug/L #	81
13) Acetone	4.13	43	61469	55.612 ug/L	99
14) Carbon disulfide	4.38	76	273128	24.864 ug/L	99
15) Methyl Acetate	4.67	43	55033	30.739 ug/L	95
16) Methylene chloride	4.92	84	99277	26.273 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	145142	26.535 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	103344	27.779 ug/L	98
19) 1,1-Dichloroethane	6.21	63	165093	27.422 ug/L	100
21) 2-Butanone	7.18	43	79699	54.265 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	112409	27.700 ug/L	97

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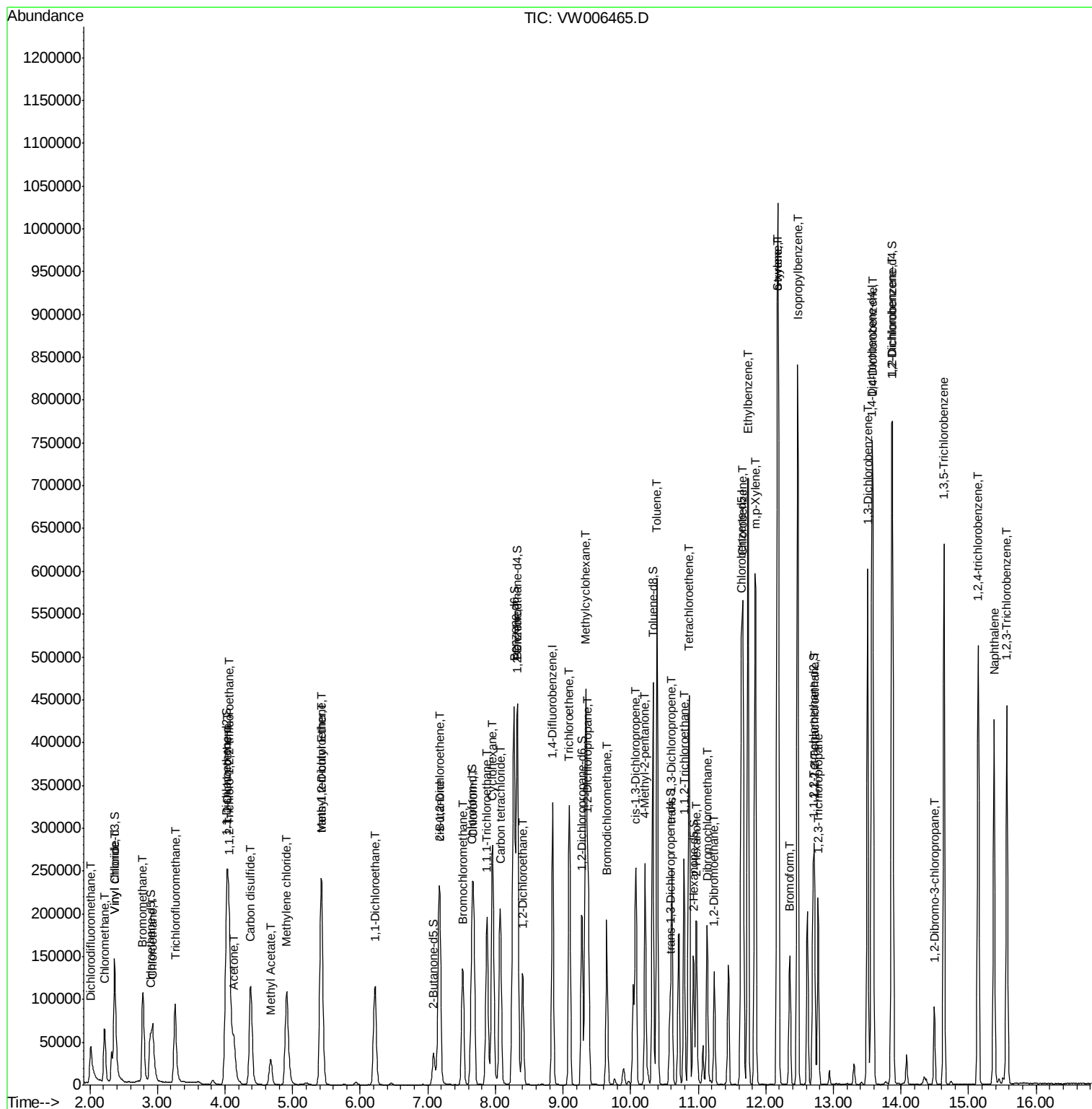
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	54486	28.546	ug/L	94
25) Chloroform	7.68	83	181865	28.063	ug/L	100
27) 1,2-Dichloroethane	8.40	62	122503	27.733	ug/L	99
30) Cyclohexane	7.96	56	154709	25.432	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	162940	28.133	ug/L	99
32) Carbon tetrachloride	8.07	117	160093	28.186	ug/L	99
34) Benzene	8.32	78	394314	27.752	ug/L	100
35) Trichloroethene	9.09	95	113684	28.437	ug/L	99
36) Methylcyclohexane	9.34	83	199655	27.257	ug/L	98
40) 1,2-Dichloropropane	9.37	63	94590	26.836	ug/L	100
41) Bromodichloromethane	9.65	83	125493	26.366	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	147328	25.591	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	155353	55.005	ug/L	97
44) Toluene	10.39	91	444705	27.874	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	132429	26.335	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	83949	28.601	ug/L	98
47) Tetrachloroethene	10.87	164	109146	29.495	ug/L	96
49) 2-Hexanone	10.97	43	117278	56.343	ug/L	96
50) Dibromochloromethane	11.13	129	101130	26.881	ug/L	98
51) 1,2-Dibromoethane	11.24	107	87242	28.555	ug/L	99
52) Chlorobenzene	11.66	112	303331	28.095	ug/L	97
53) Ethylbenzene	11.74	91	515411	27.750	ug/L	99
54) m,p-Xylene	11.84	106	202187	27.771	ug/L	97
55) o-xylene	12.17	106	191815	27.593	ug/L	100
56) Styrene	12.18	104	327007	27.317	ug/L	99
57) Isopropylbenzene	12.47	105	546415	28.250	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	116982	30.669	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	88137	30.970	ug/L	100
62) Bromoform	12.35	173	70331	27.637	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	260607	27.942	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	263500	28.056	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	244003	28.439	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	20637	29.882	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	212752	28.299	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	180334	28.131	ug/L	99
69) Naphthalene	15.38	128	383313	29.533	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	165600	28.754	ug/L	98

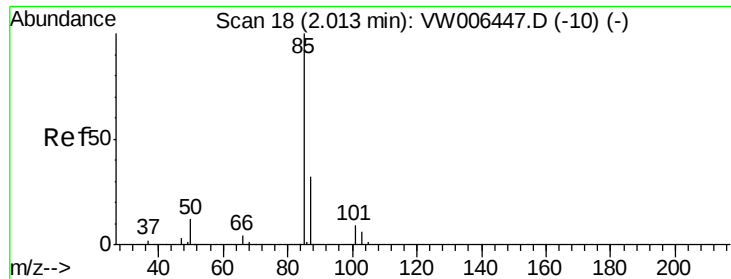
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 32.152 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

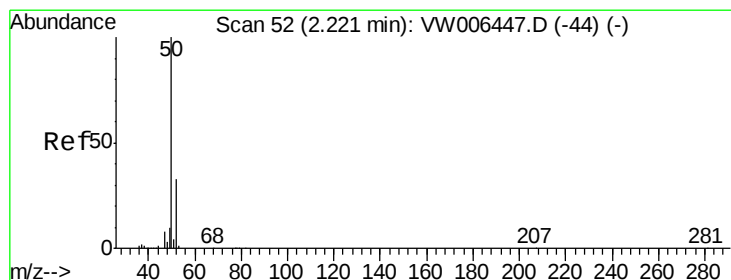
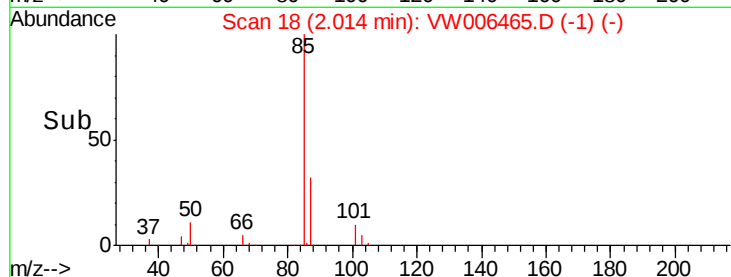
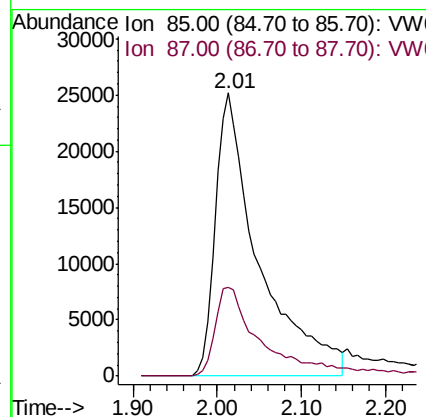
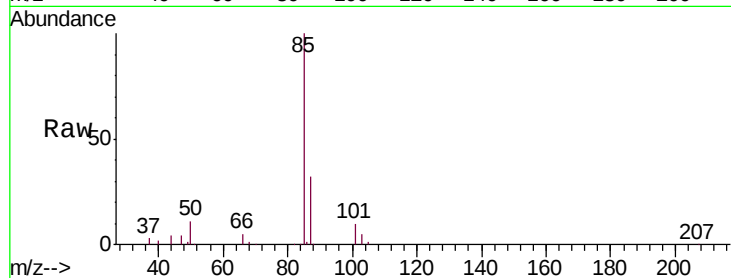
VSTD02511

Tgt Ion: 85 Resp: 88941

Ion Ratio Lower Upper

85 100

87 29.6 19.2 35.6



#3

Chloromethane

Concen: 28.298 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006465.D

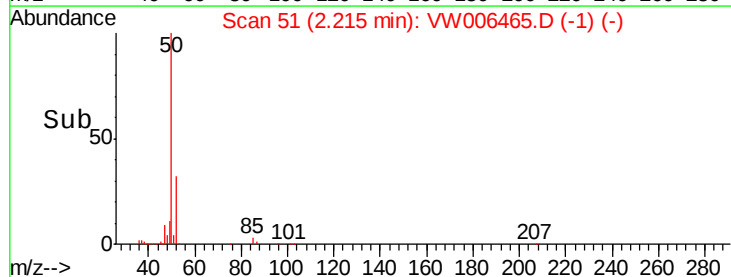
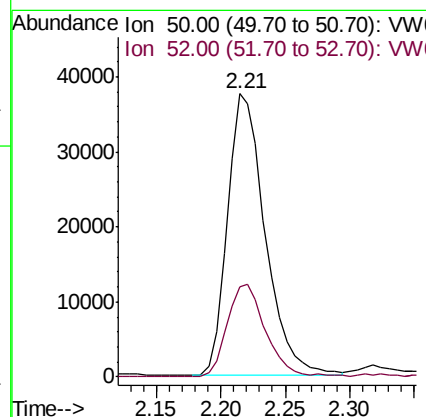
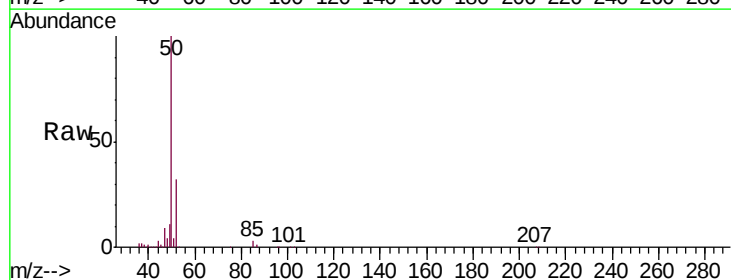
Acq: 29 Oct 2018 19:24

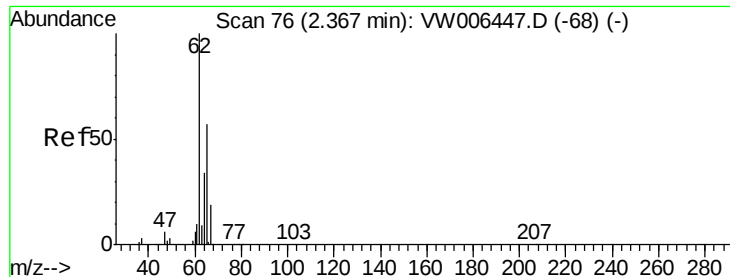
Tgt Ion: 50 Resp: 76874

Ion Ratio Lower Upper

50 100

52 31.8 22.3 41.3





#5

Vinyl chloride

Concen: 27.241 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

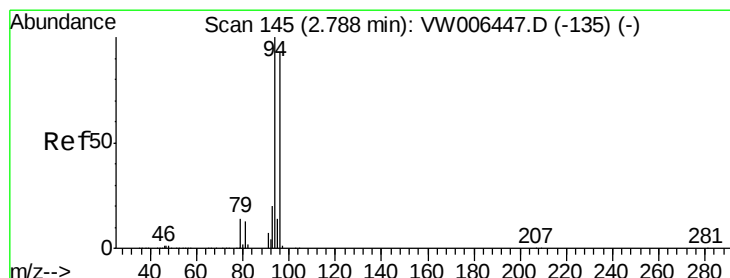
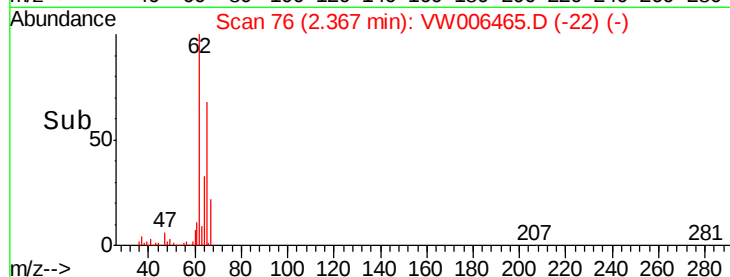
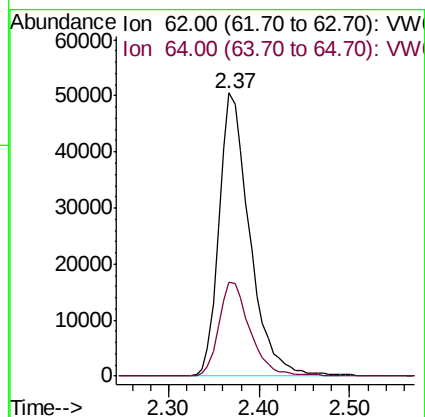
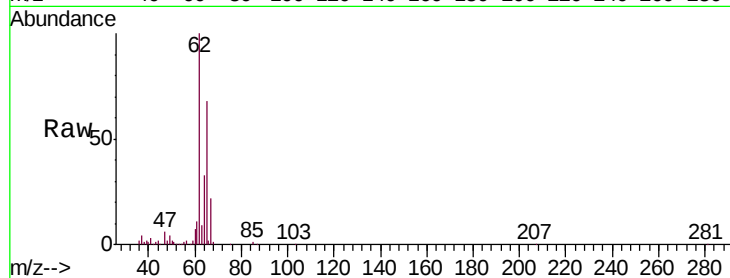
VSTD02511

Tgt Ion: 62 Resp: 119272

Ion Ratio Lower Upper

62 100

64 33.4 22.7 42.3



#6

Bromomethane

Concen: 26.343 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006465.D

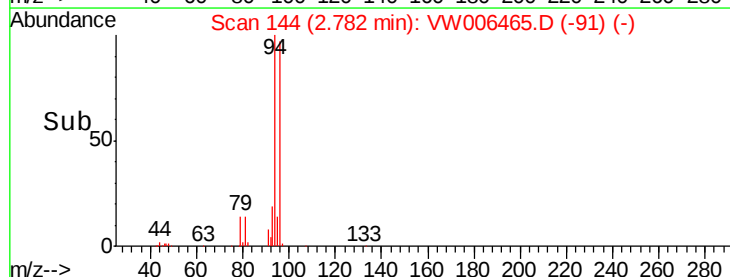
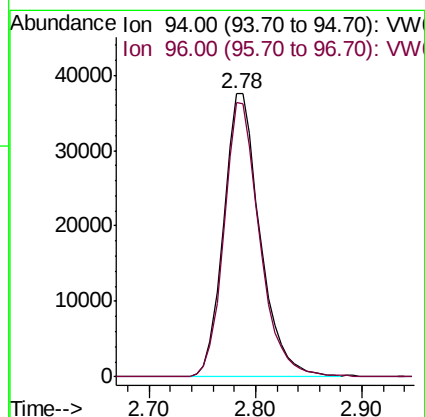
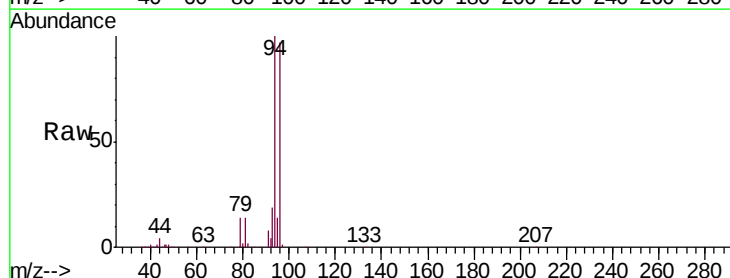
Acq: 29 Oct 2018 19:24

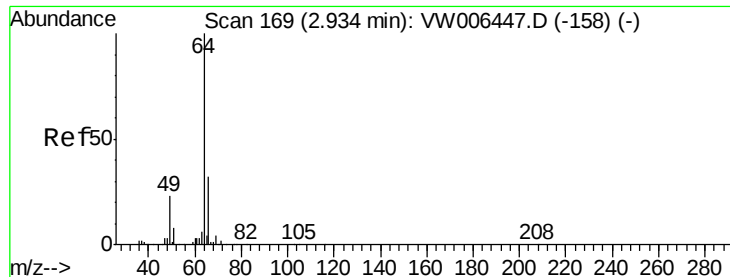
Tgt Ion: 94 Resp: 89813

Ion Ratio Lower Upper

94 100

96 94.8 9.5 181.3

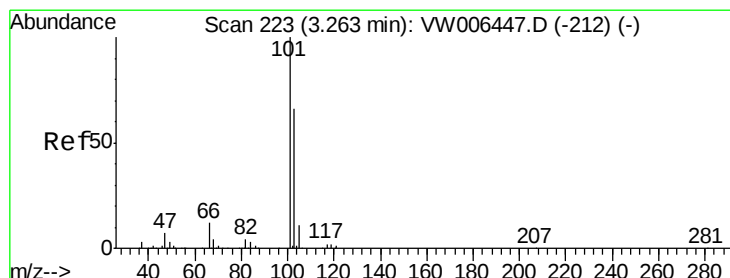
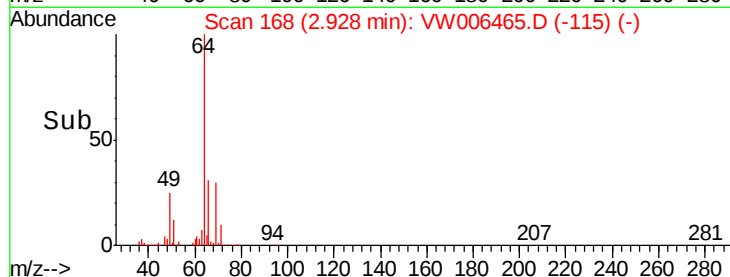
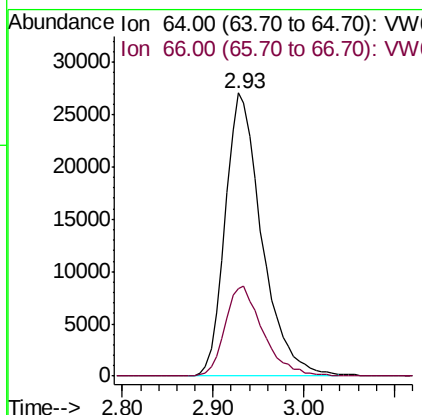
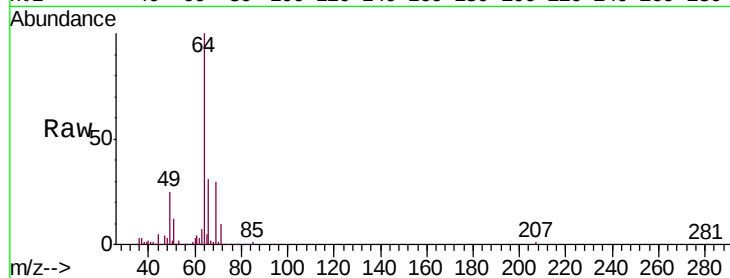




#8
Chloroethane
Concen: 28.367 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

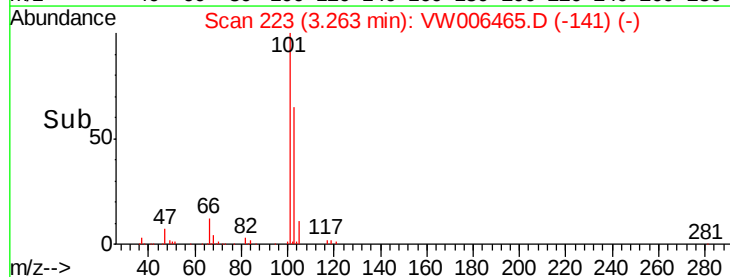
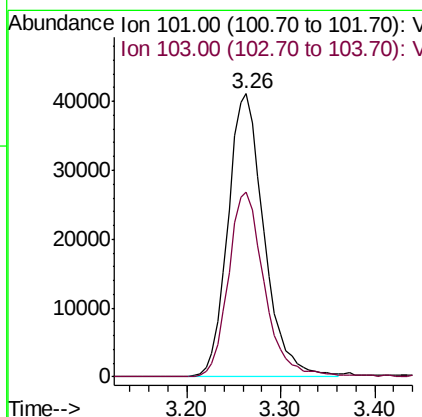
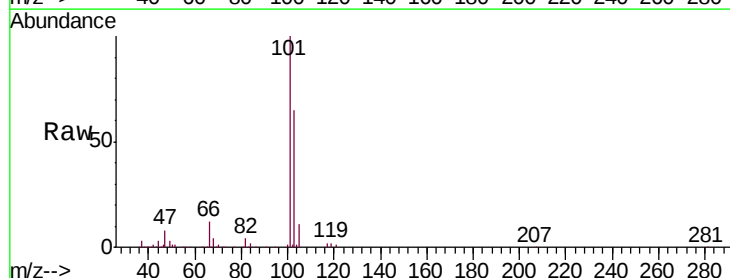
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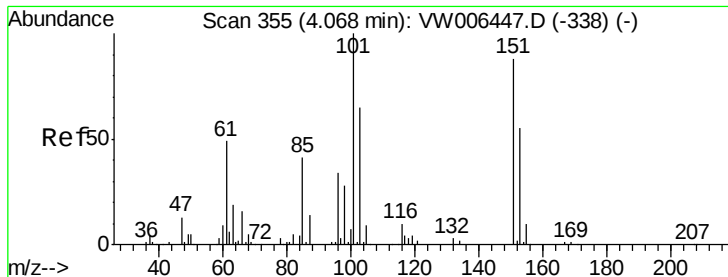
Tgt Ion: 64 Resp: 76130
Ion Ratio Lower Upper
64 100
66 31.0 22.7 42.1



#9
Trichlorofluoromethane
Concen: 31.330 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

Tgt Ion: 101 Resp: 109746
Ion Ratio Lower Upper
101 100
103 63.9 45.6 84.6





#11

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

Concen: 30.236 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

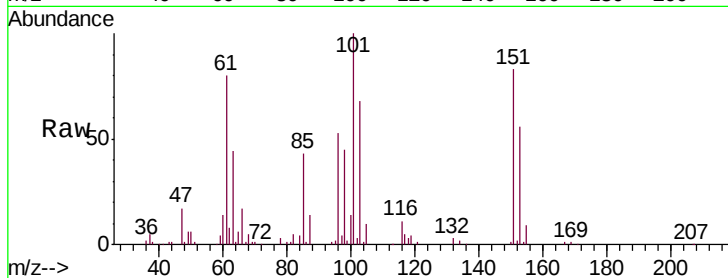
Tgt Ion:101 Resp: 105889

Ion Ratio Lower Upper

101 100

85 42.9 33.4 50.2

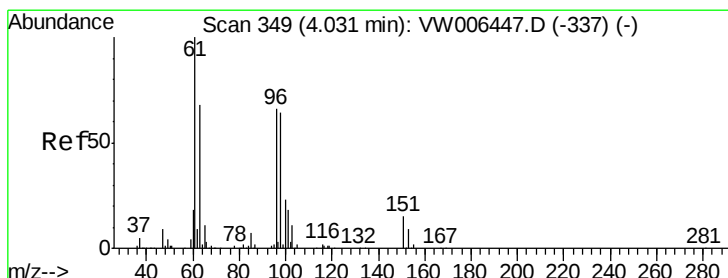
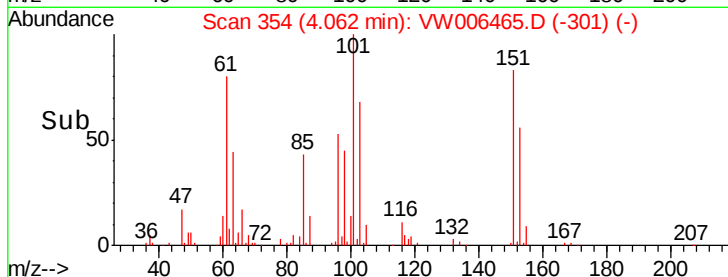
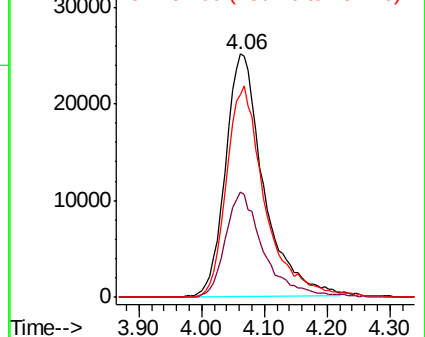
151 85.1 68.7 103.1



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: 28.813 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

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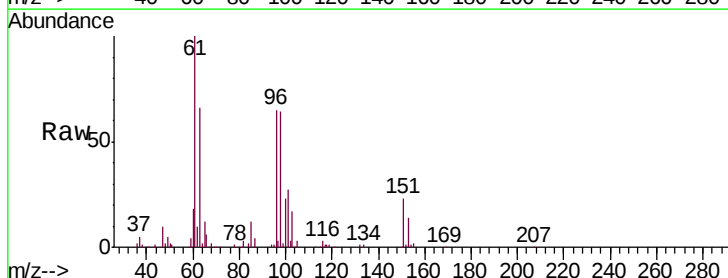
Tgt Ion: 96 Resp: 96820

Ion Ratio Lower Upper

96 100

61 154.7 112.3 208.7

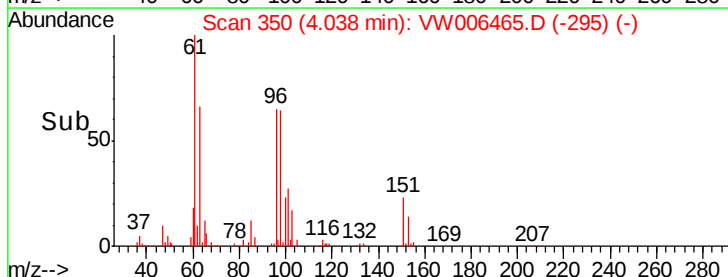
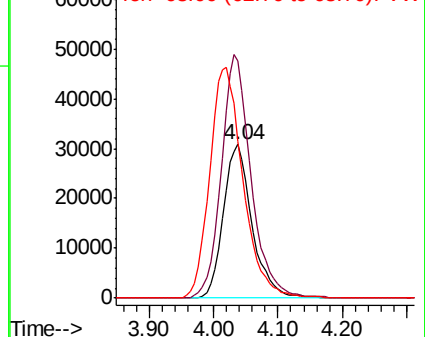
63 102.3 102.6 190.6#

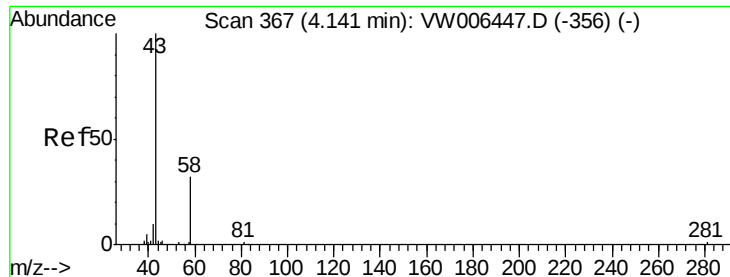


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.612 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

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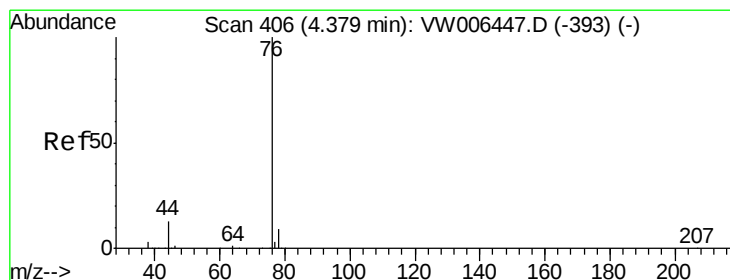
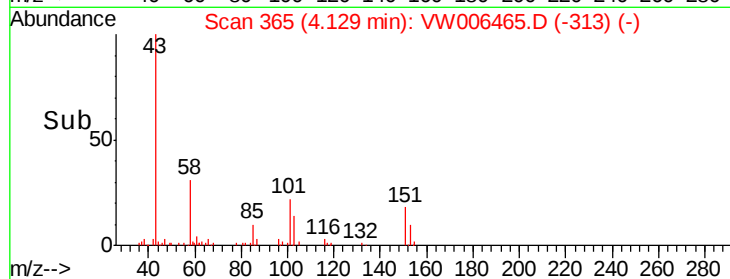
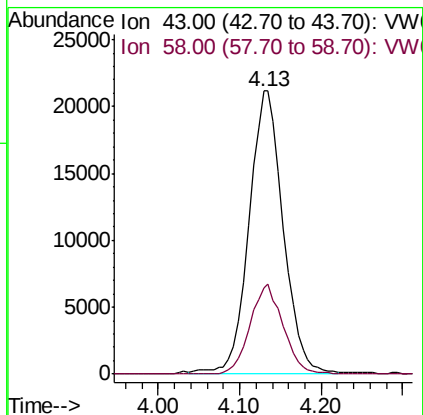
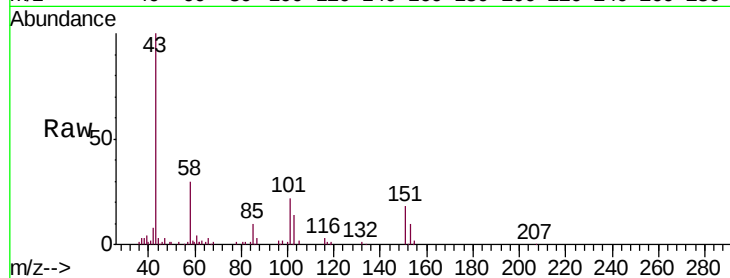
VSTD02511

Tgt Ion: 43 Resp: 61469

Ion Ratio Lower Upper

43 100

58 30.2 0.0 61.2



#14

Carbon disulfide

Concen: 24.864 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

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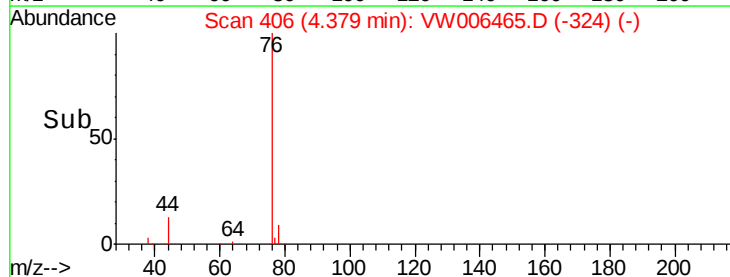
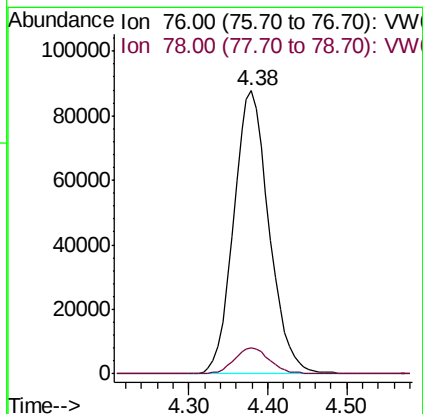
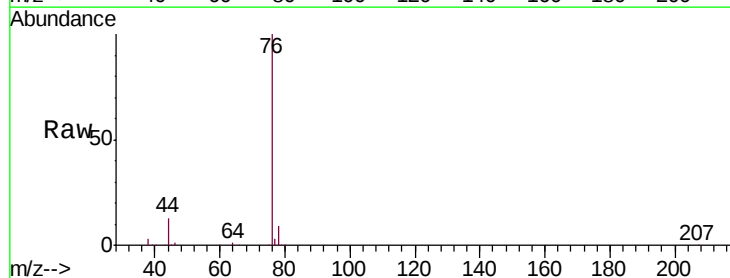
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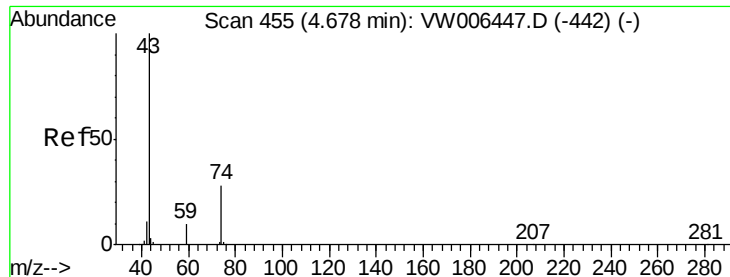
Tgt Ion: 76 Resp: 273128

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

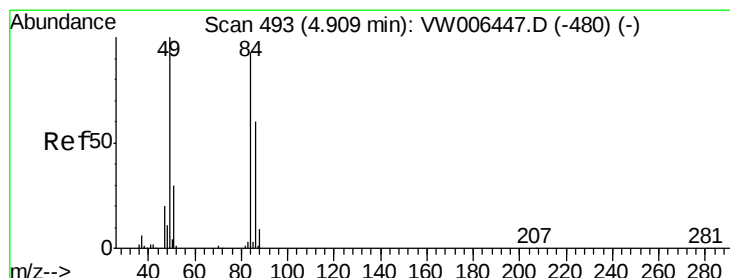
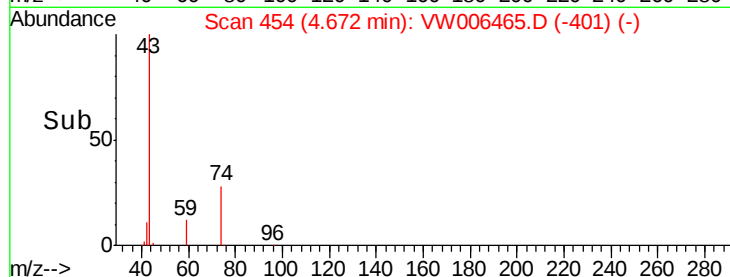
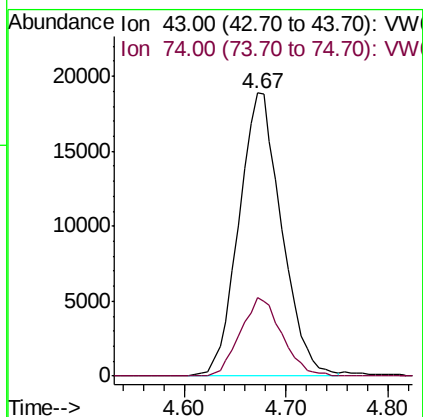
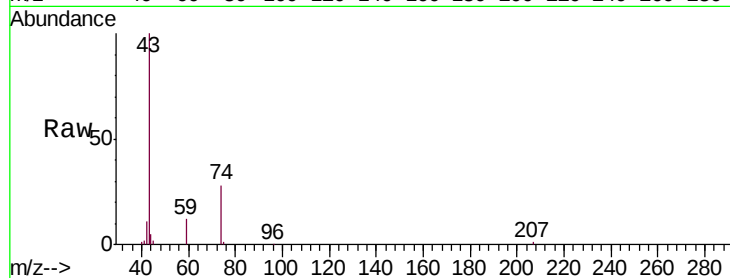




#15
Methyl Acetate
Concen: 30.739 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

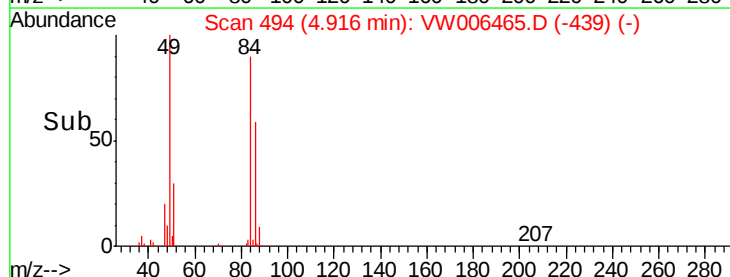
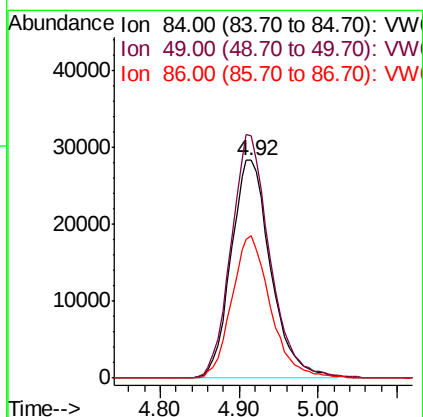
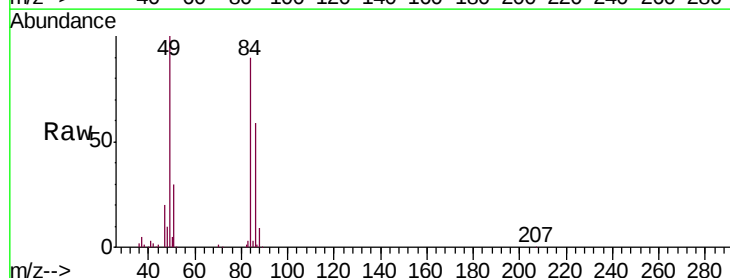
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

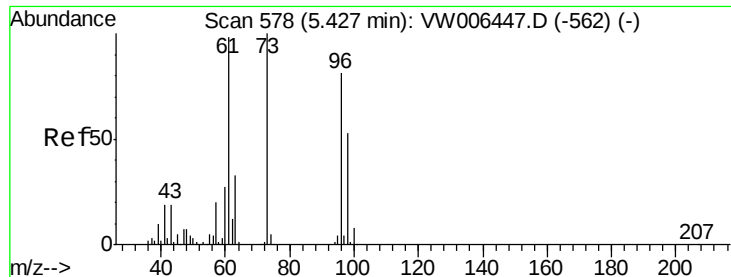
Tgt Ion: 43 Resp: 55033
Ion Ratio Lower Upper
43 100
74 26.8 19.4 29.2



#16
Methylene chloride
Concen: 26.273 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

Tgt Ion: 84 Resp: 99277
Ion Ratio Lower Upper
84 100
49 111.4 83.5 155.1
86 65.3 44.9 83.5

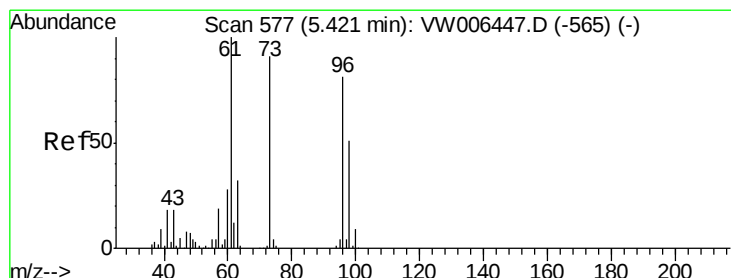
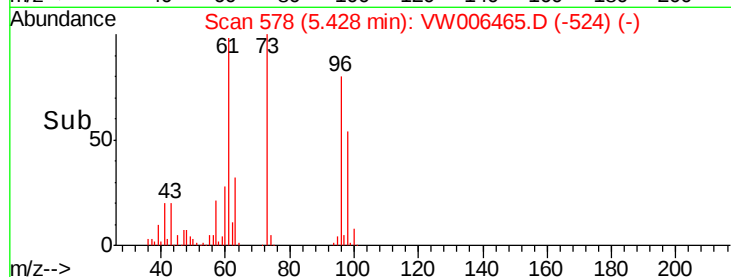
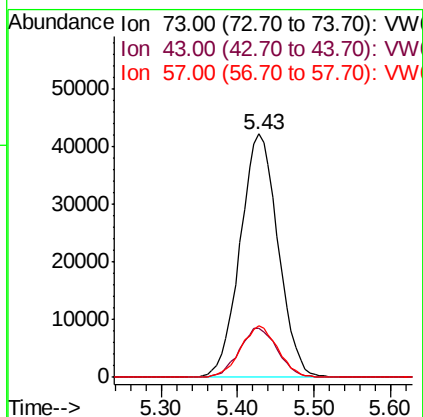
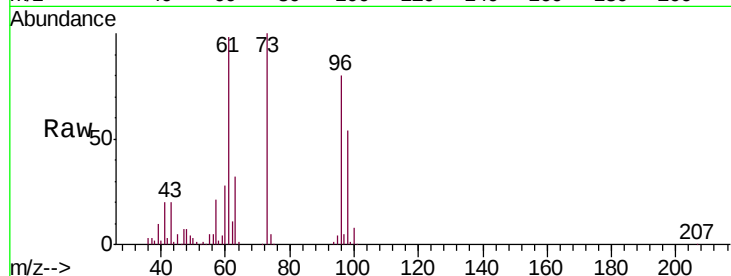




#17
Methyl tert-butyl Ether
Concen: 26.535 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

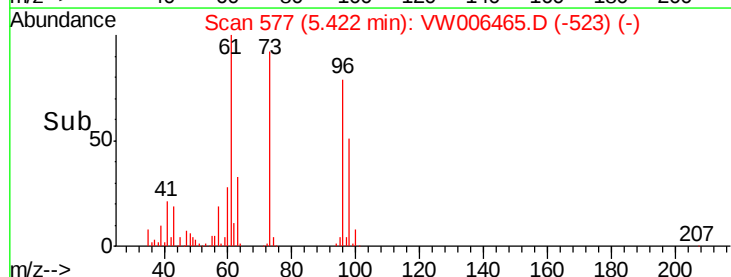
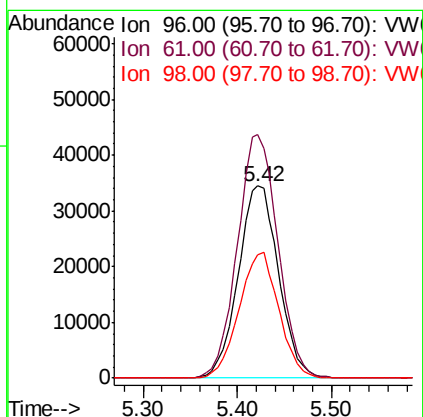
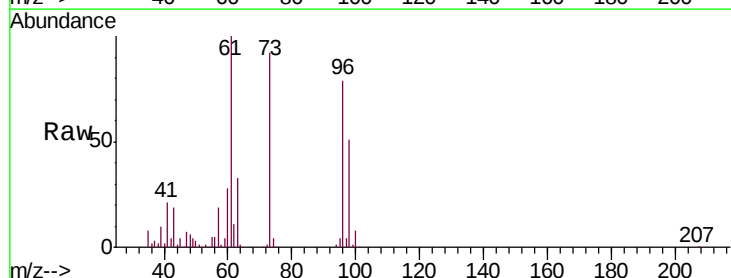
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

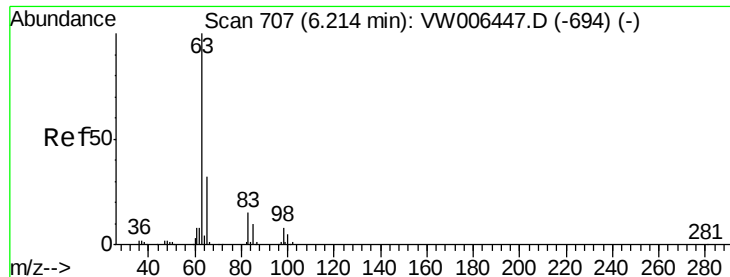
Tgt Ion: 73 Resp: 145142
Ion Ratio Lower Upper
73 100
43 20.5 17.0 25.4
57 20.6 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 27.779 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

Tgt Ion: 96 Resp: 103344
Ion Ratio Lower Upper
96 100
61 126.6 89.0 165.2
98 64.3 42.4 78.6

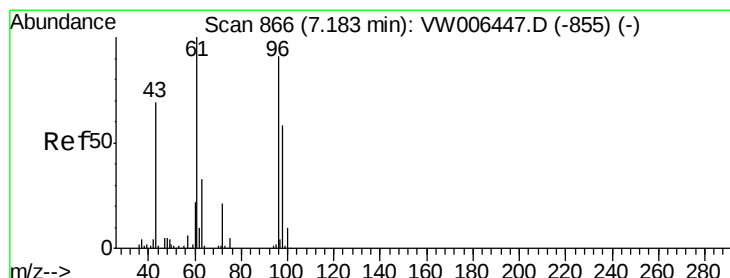
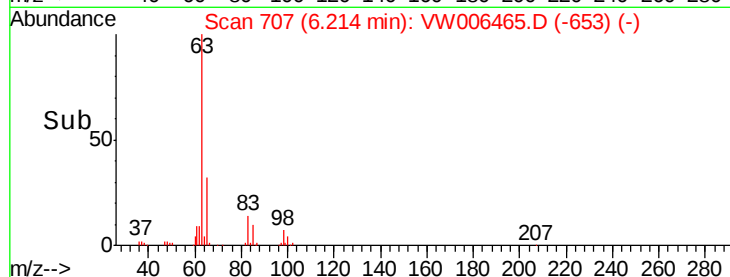
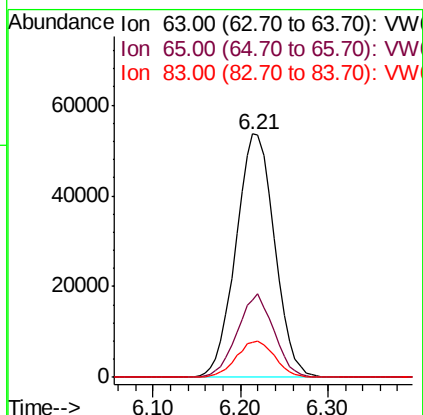
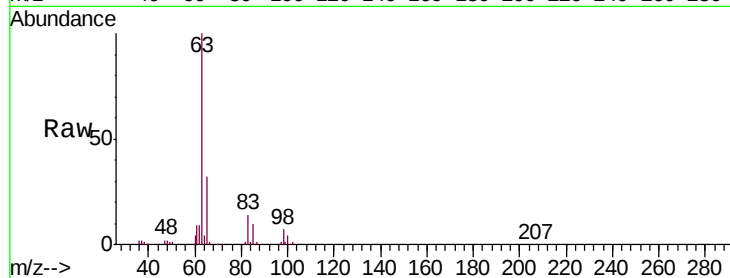




#19
 1,1-Dichloroethane
 Concen: 27.422 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

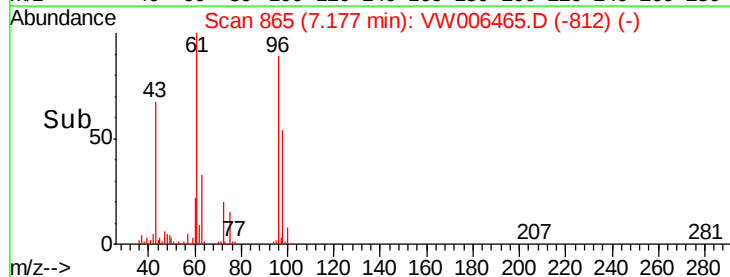
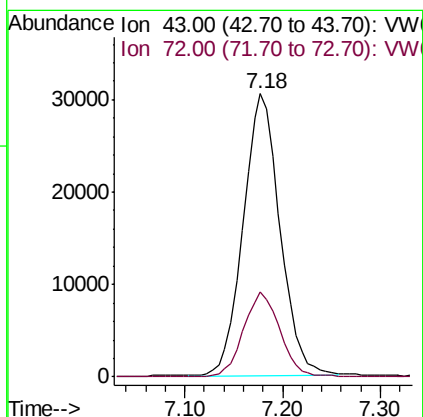
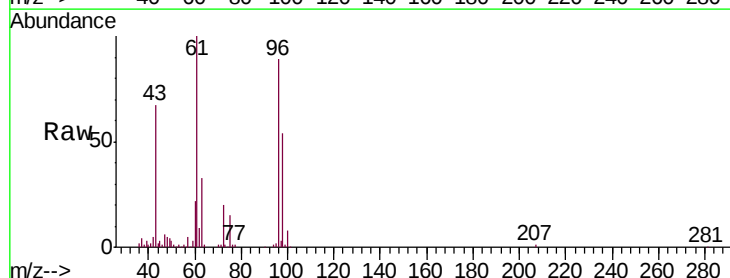
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

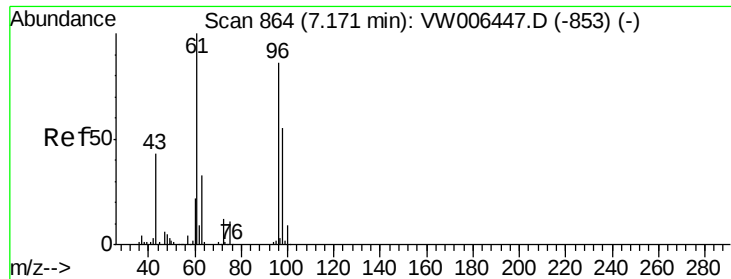
Tgt Ion: 63 Resp: 165093
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.5
 83 14.4 9.7 18.1



#21
 2-Butanone
 Concen: 54.265 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

Tgt Ion: 43 Resp: 79699
 Ion Ratio Lower Upper
 43 100
 72 30.0 13.8 41.4



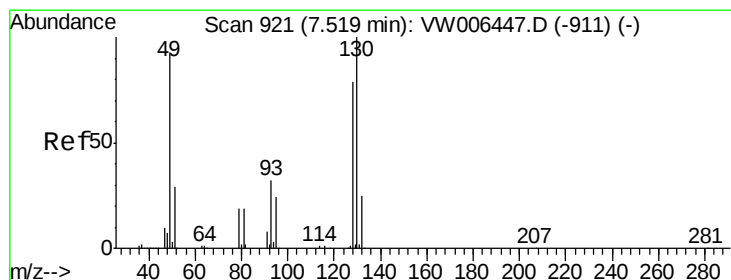
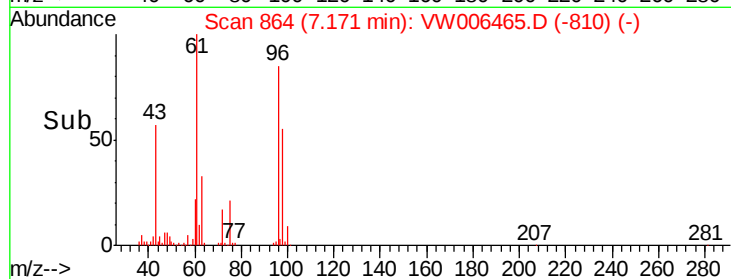
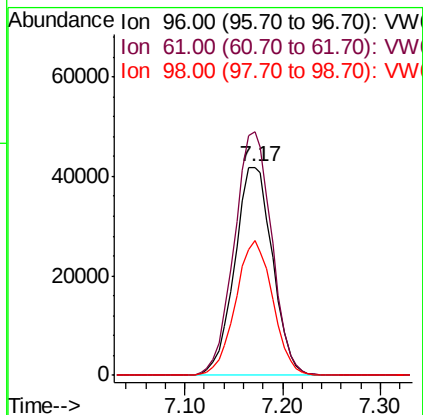
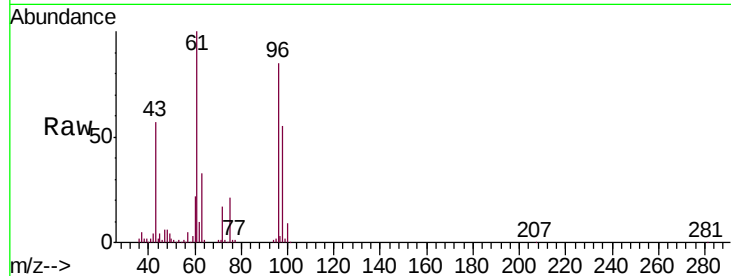


#22

cis-1,2-Dichloroethene
Concen: 27.700 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

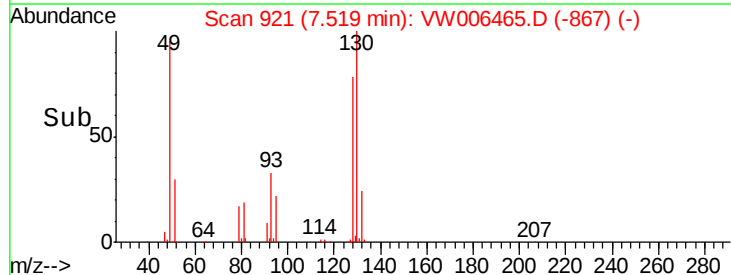
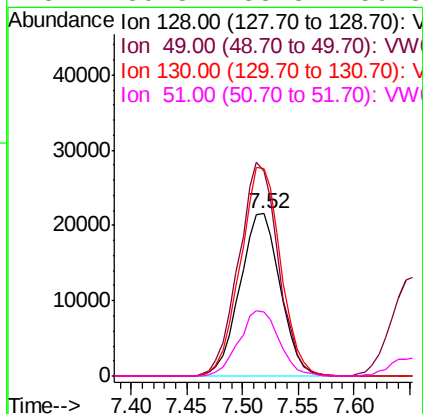
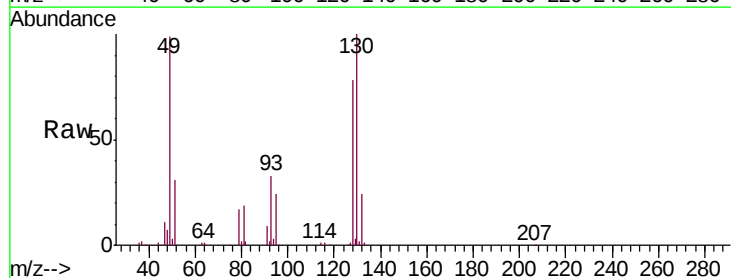
Tgt Ion: 96 Resp: 112409
Ion Ratio Lower Upper
96 100
61 117.1 85.1 158.1
98 64.7 46.3 86.1

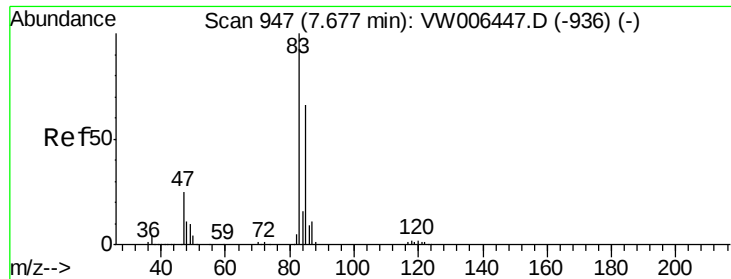


#23

Bromochloromethane
Concen: 28.546 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

Tgt Ion: 128 Resp: 54486
Ion Ratio Lower Upper
128 100
49 126.3 95.2 176.8
130 127.7 86.3 160.3
51 39.8 33.8 50.8

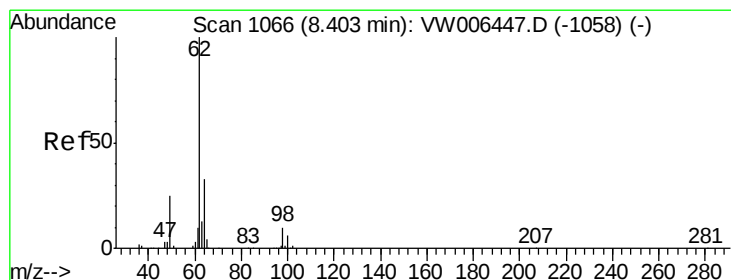
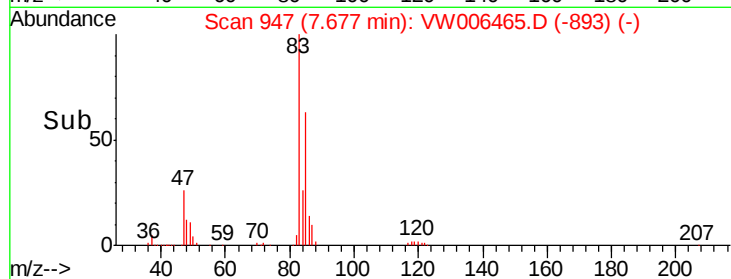
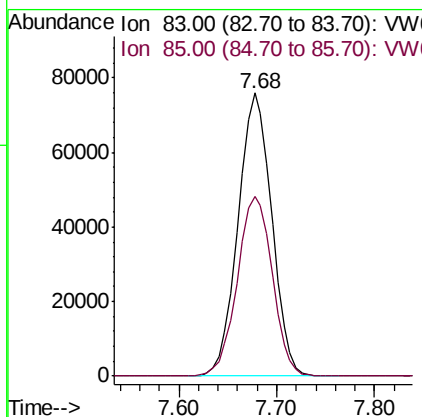
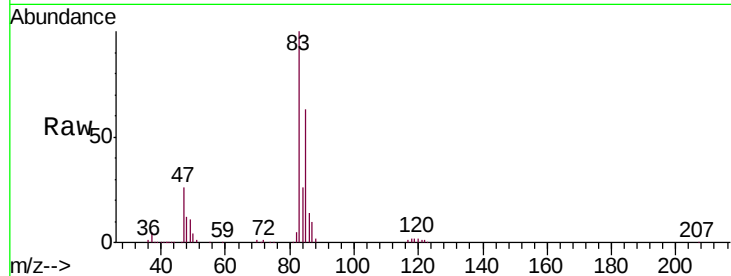




#25
Chloroform
Concen: 28.063 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

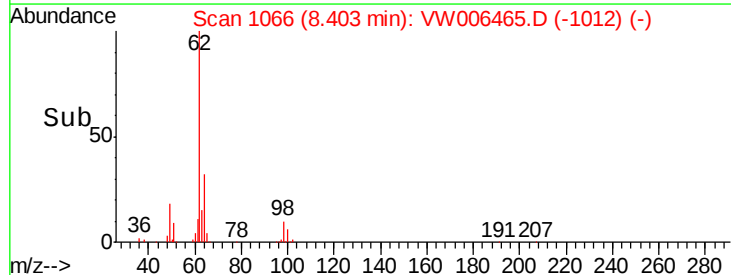
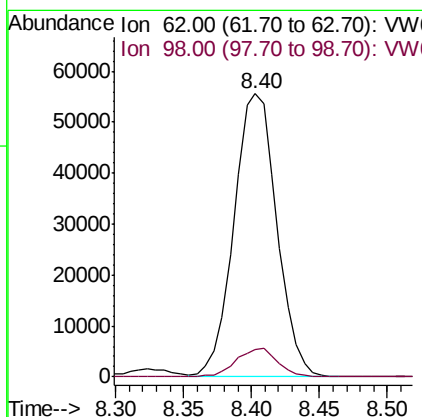
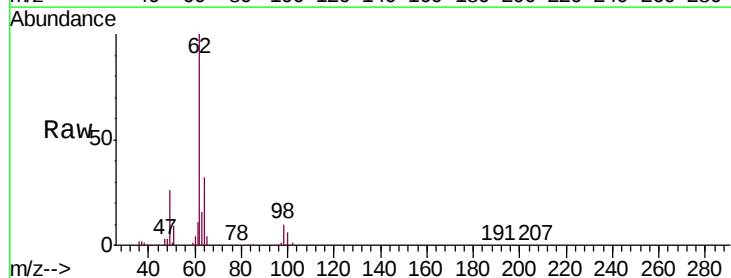
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

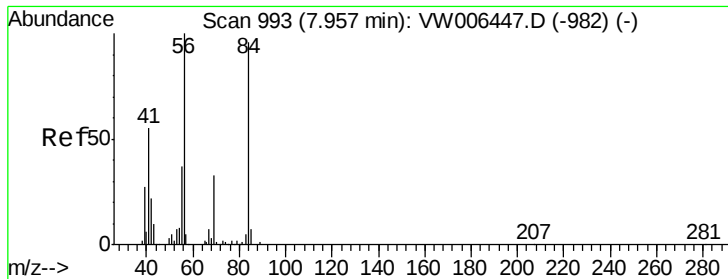
Tgt Ion: 83 Resp: 181865
Ion Ratio Lower Upper
83 100
85 66.0 46.3 85.9



#27
1,2-Dichloroethane
Concen: 27.733 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

Tgt Ion: 62 Resp: 122503
Ion Ratio Lower Upper
62 100
98 9.6 8.0 12.0





#30

Cyclohexane

Concen: 25.432 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

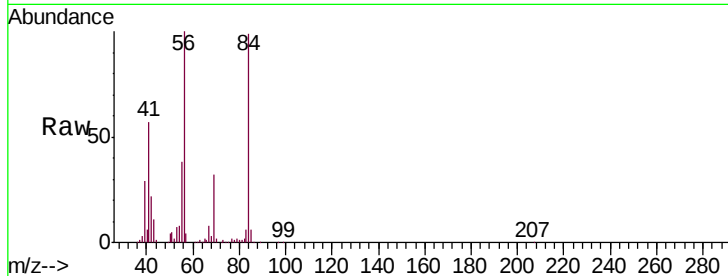
Tgt Ion: 56 Resp: 154709

Ion Ratio Lower Upper

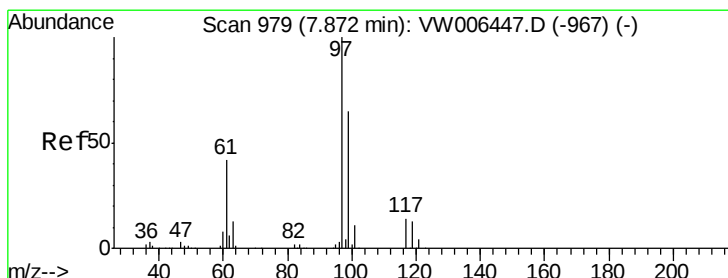
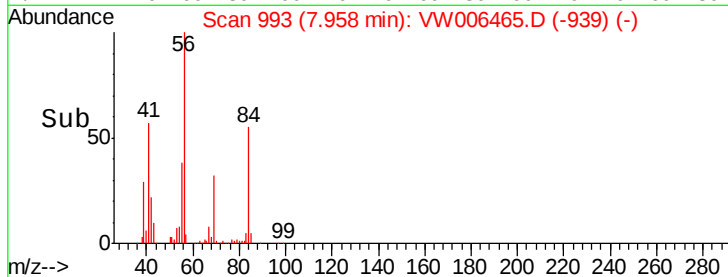
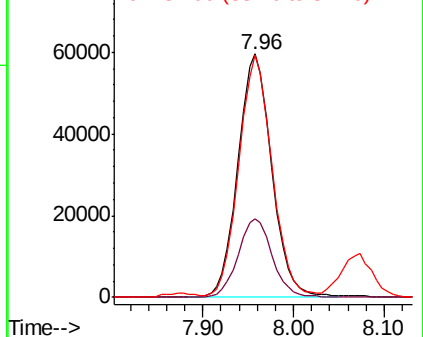
56 100

69 32.6 25.4 38.0

84 97.4 73.9 110.9



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: 28.133 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

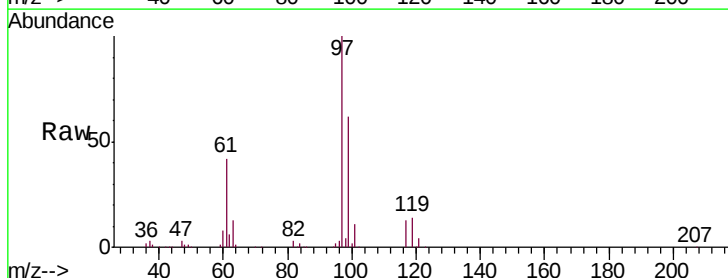
Tgt Ion: 97 Resp: 162940

Ion Ratio Lower Upper

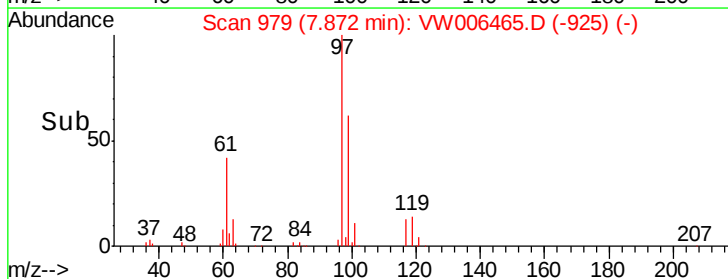
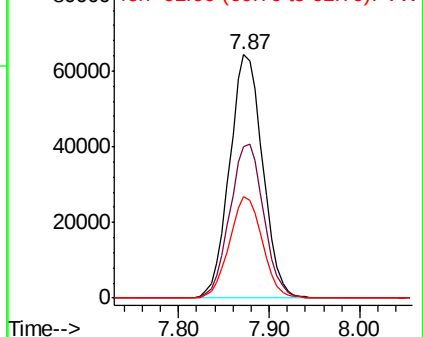
97 100

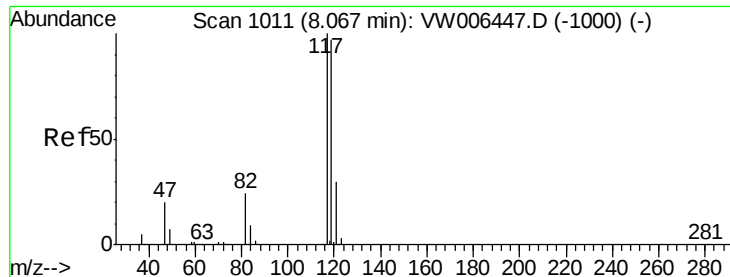
99 64.8 51.0 76.4

61 41.7 33.6 50.4



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: 28.186 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

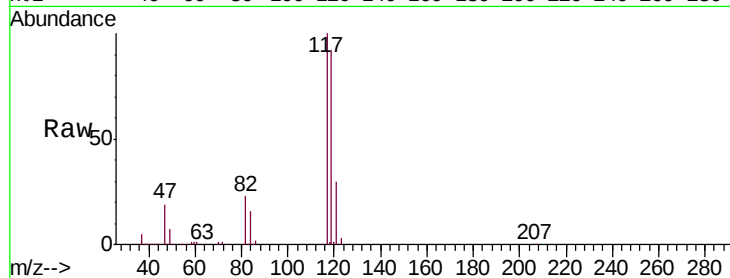
VSTD02511

Tgt Ion:117 Resp: 160093

Ion Ratio Lower Upper

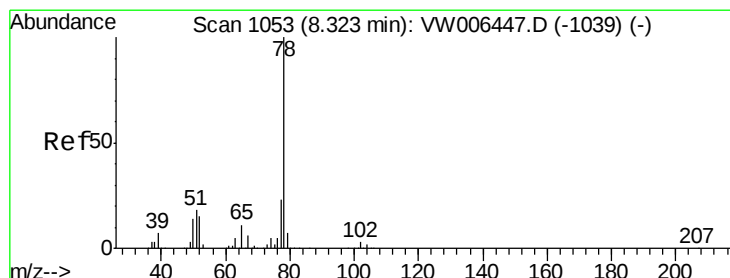
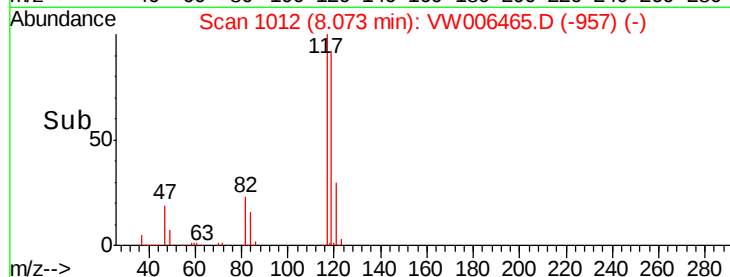
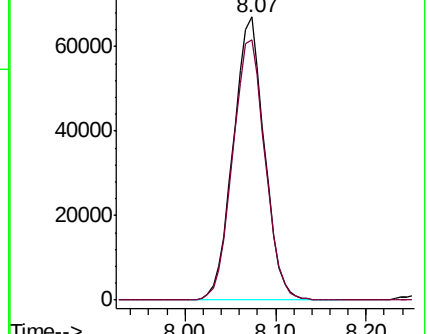
117 100

119 95.4 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: 27.752 ug/L

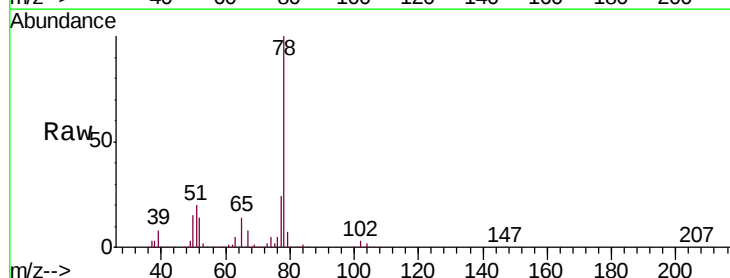
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

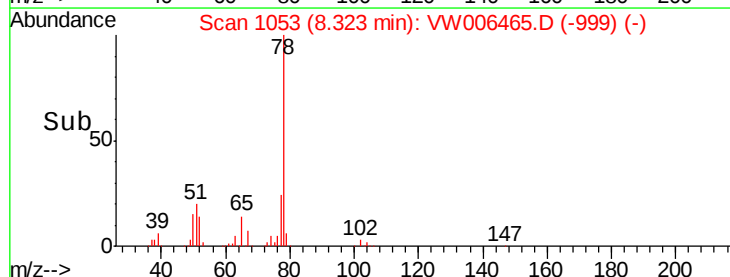
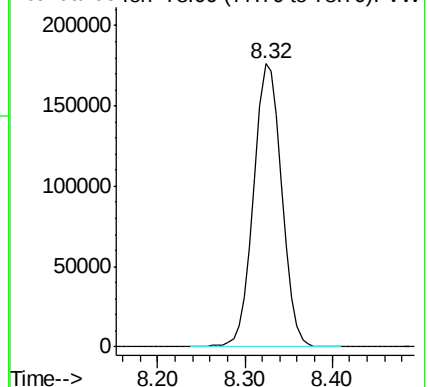
Lab File: VW006465.D

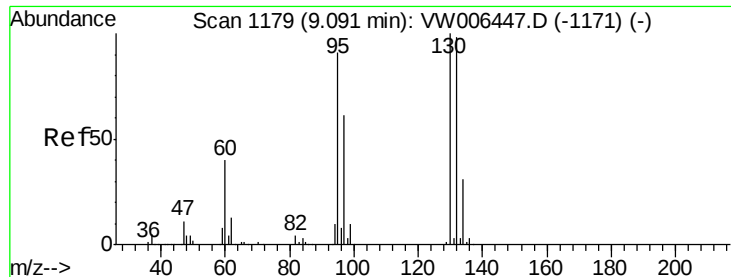
Acq: 29 Oct 2018 19:24

Tgt Ion: 78 Resp: 394314



Abundance Ion 78.00 (77.70 to 78.70): VW

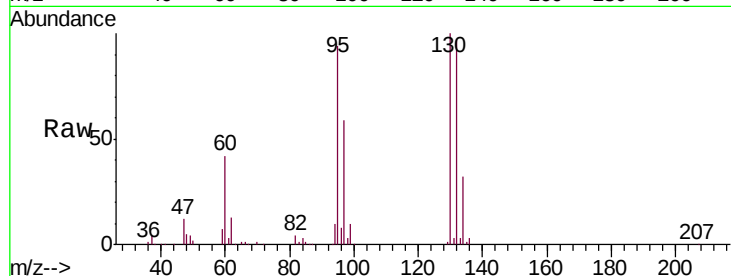




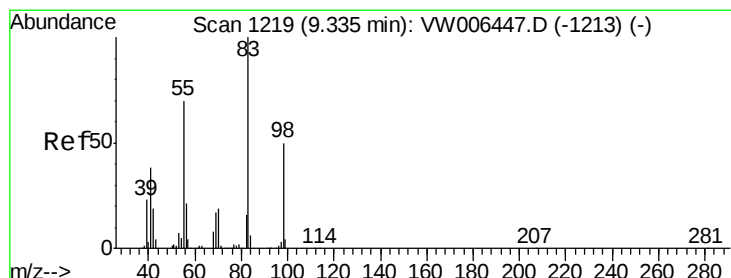
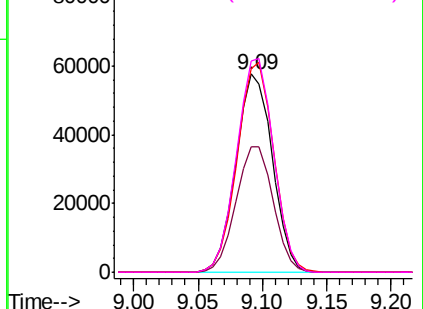
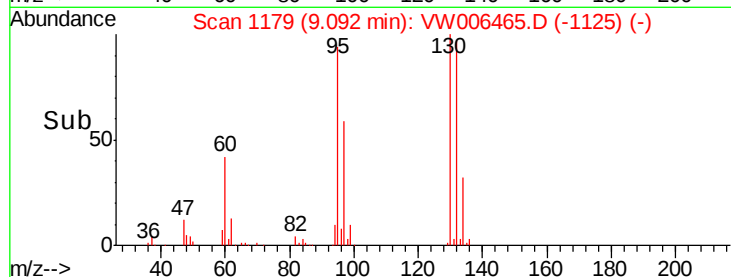
#35
 Trichloroethene
 Concen: 28.437 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion: 95 Resp: 113684
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.8 85.0
 132 105.6 72.9 135.3
 130 108.7 75.8 140.8

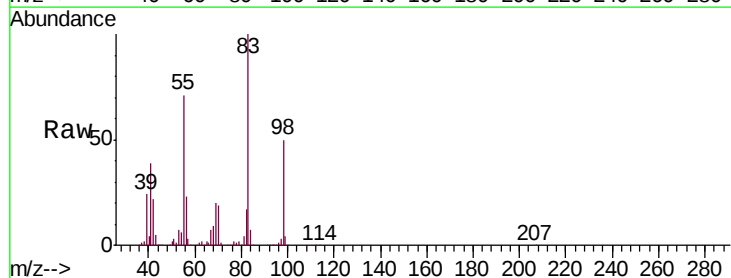


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

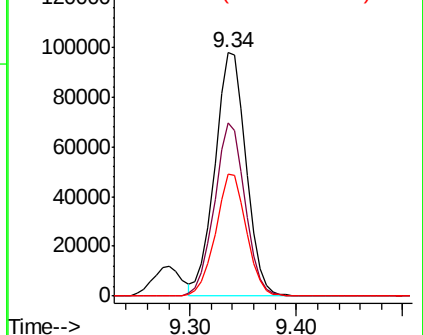
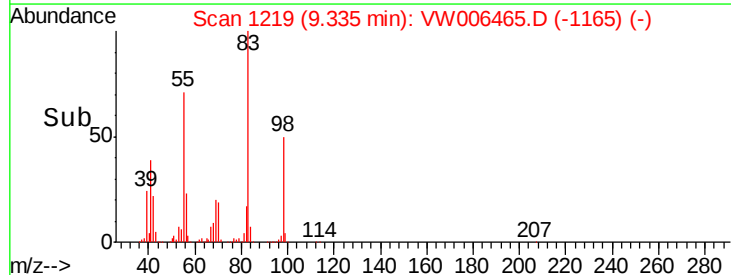


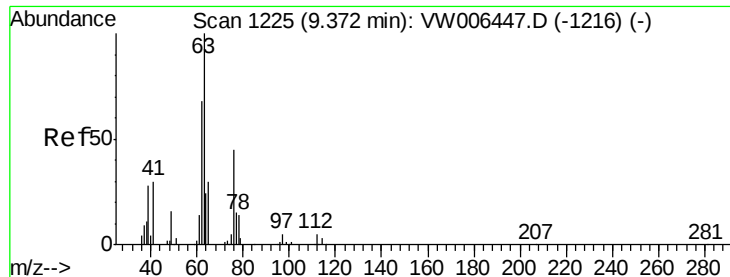
#36
 Methylcyclohexane
 Concen: 27.257 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

Tgt Ion: 83 Resp: 199655
 Ion Ratio Lower Upper
 83 100
 55 69.6 57.1 85.7
 98 49.5 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

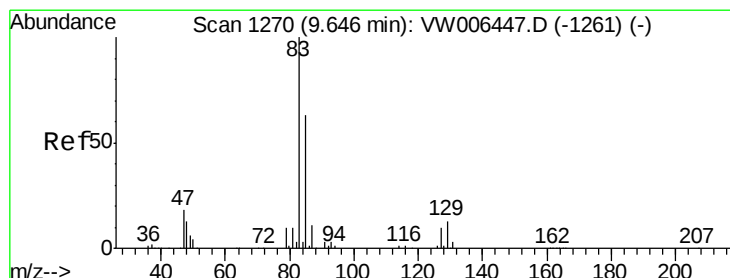
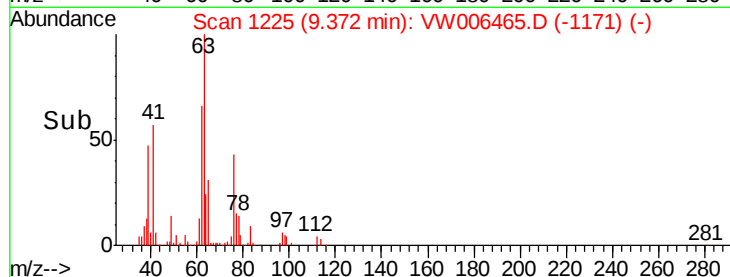
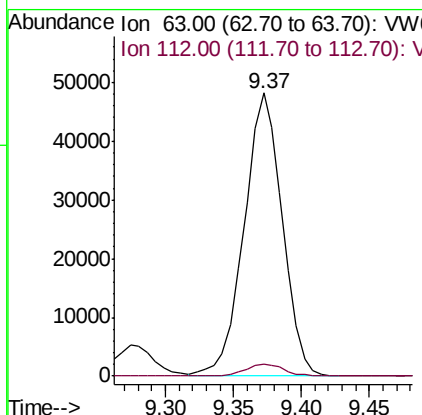
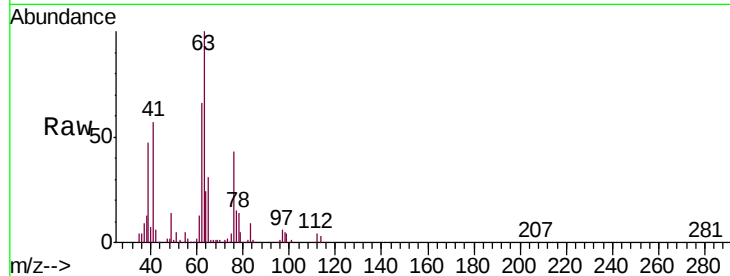




#40
 1,2-Dichloropropane
 Concen: 26.836 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

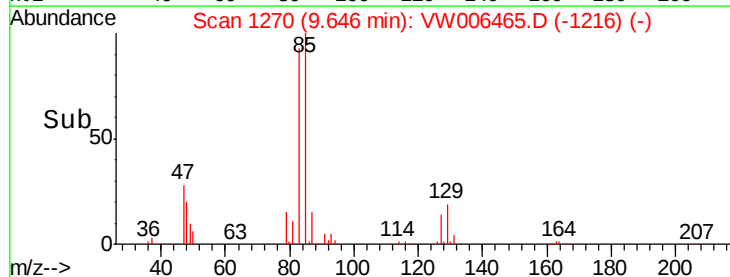
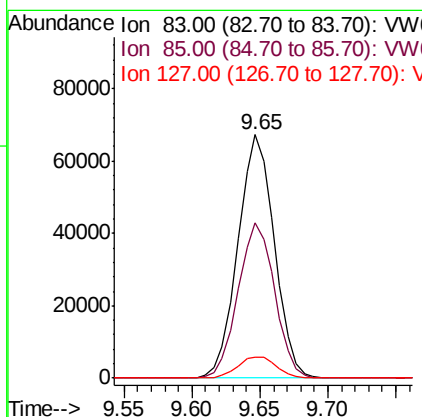
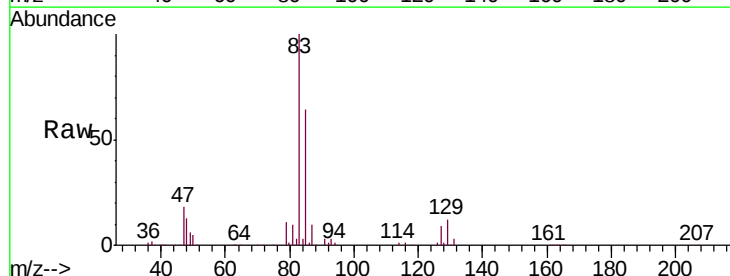
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02511

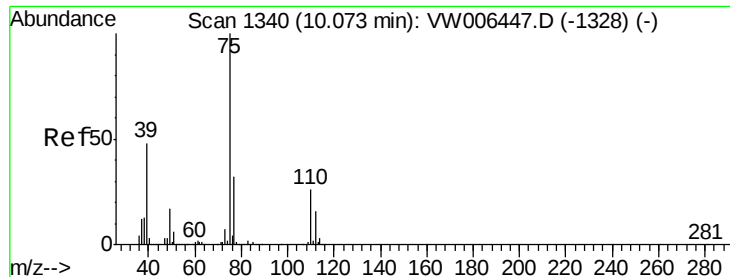
Tgt Ion: 63 Resp: 94590
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#41
 Bromodichloromethane
 Concen: 26.366 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

Tgt Ion: 83 Resp: 125493
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.5 84.5
 127 8.8 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 25.591 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampled :

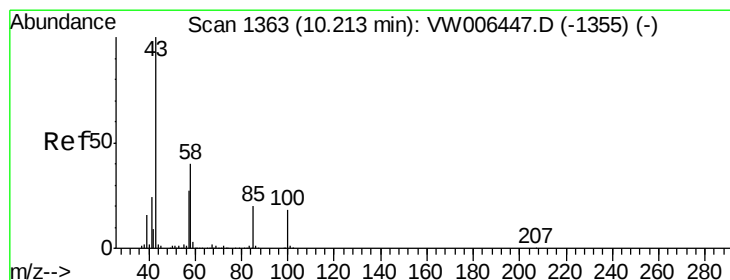
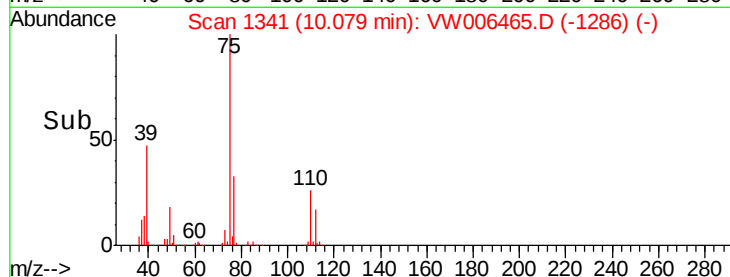
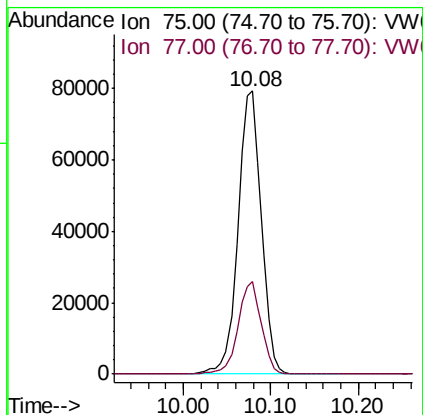
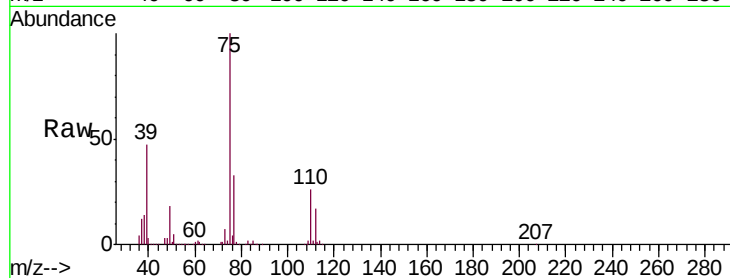
VSTD02511

Tgt Ion: 75 Resp: 147328

Ion Ratio Lower Upper

75 100

77 32.8 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 55.005 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

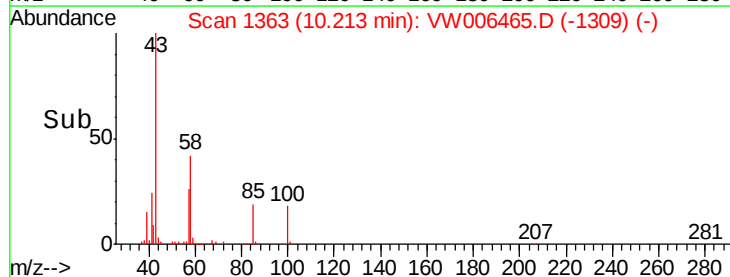
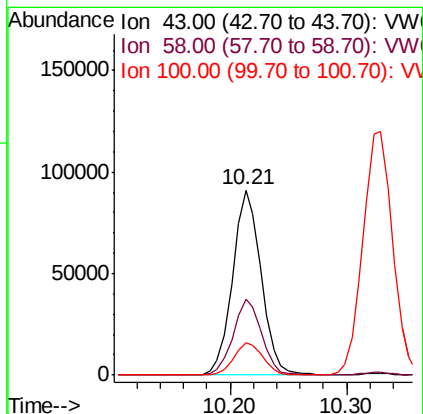
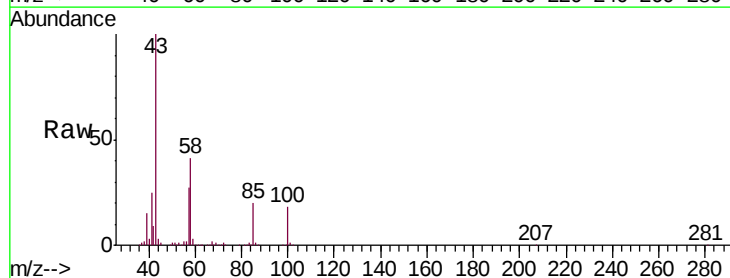
Tgt Ion: 43 Resp: 155353

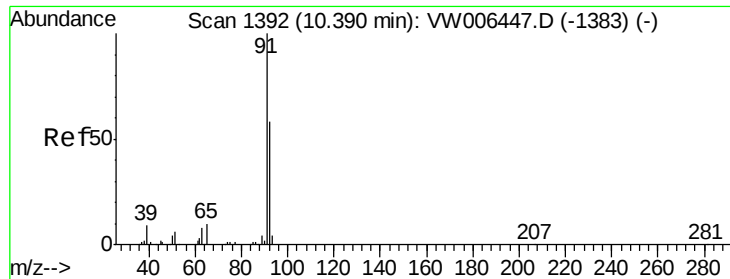
Ion Ratio Lower Upper

43 100

58 41.0 31.4 47.2

100 17.9 13.3 19.9





#44

Toluene

Concen: 27.874 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

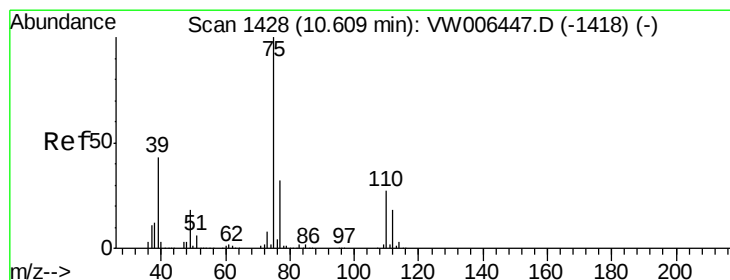
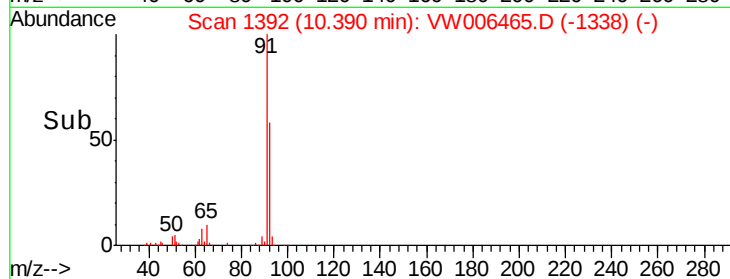
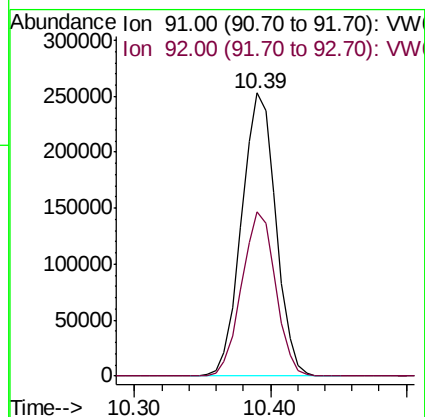
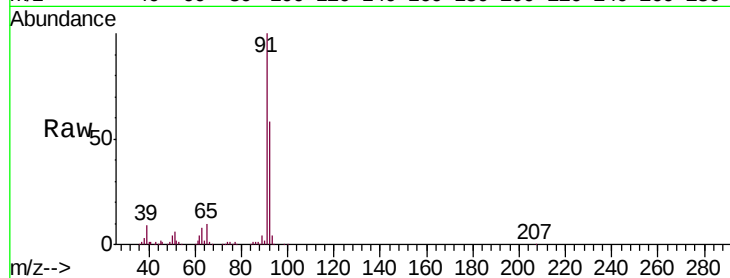
VSTD02511

Tgt Ion: 91 Resp: 444705

Ion Ratio Lower Upper

91 100

92 58.1 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 26.335 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006465.D

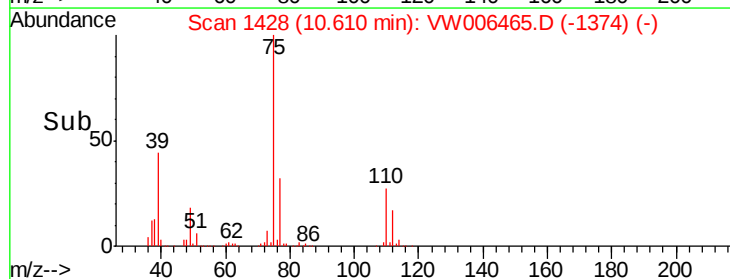
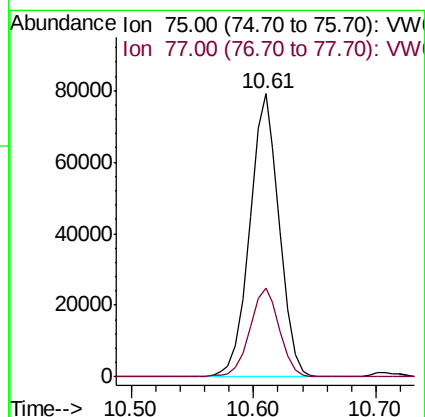
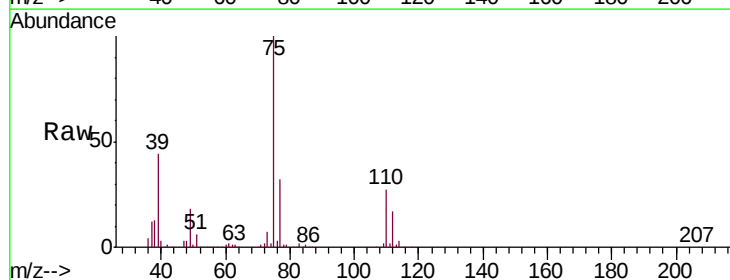
Acq: 29 Oct 2018 19:24

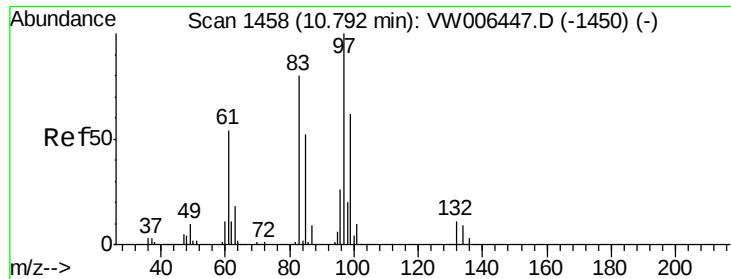
Tgt Ion: 75 Resp: 132429

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 28.601 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tgt Ion: 97 Resp: 83949

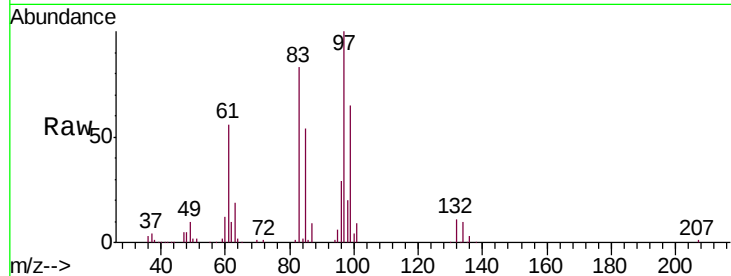
Ion Ratio Lower Upper

97 100

83 83.3 60.0 111.4

85 53.7 38.7 71.9

99 65.3 44.3 82.3

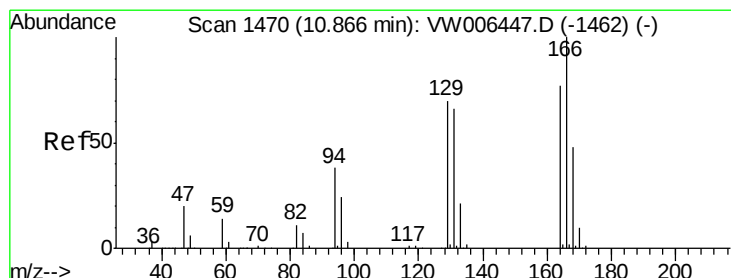
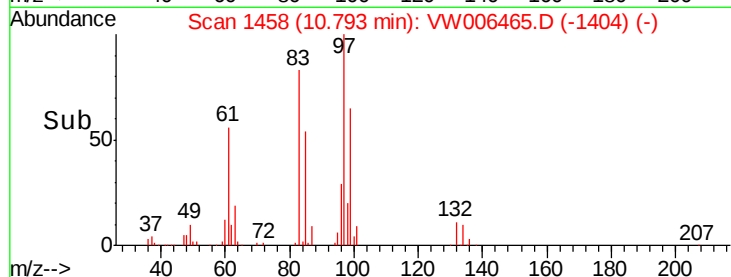
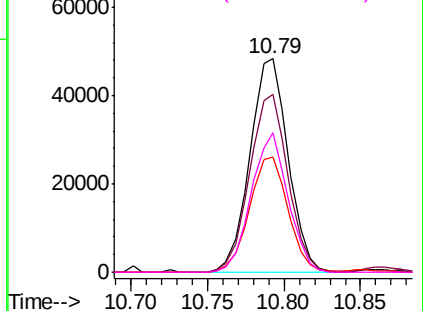


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 29.495 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Tgt Ion: 164 Resp: 109146

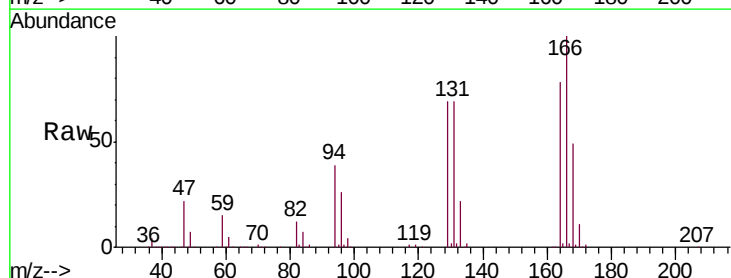
Ion Ratio Lower Upper

164 100

129 88.4 65.4 121.4

131 88.1 63.8 118.4

166 127.8 92.3 171.3

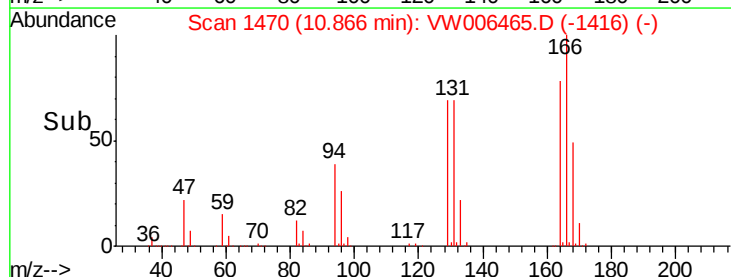
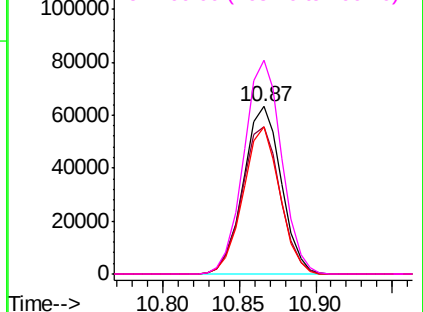


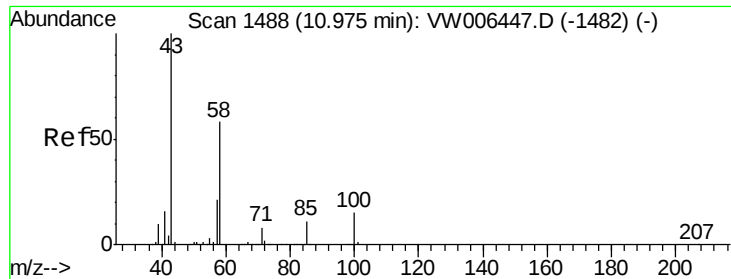
Abundance Ion 164.00 (163.70 to 164.70): V

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

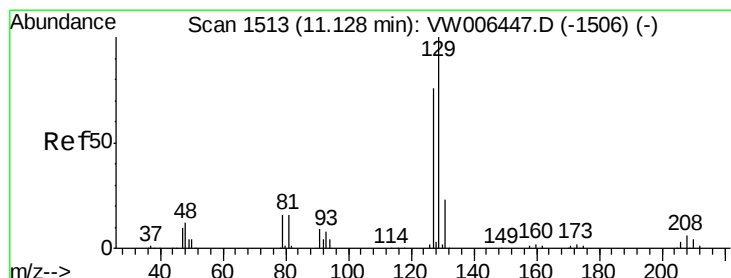
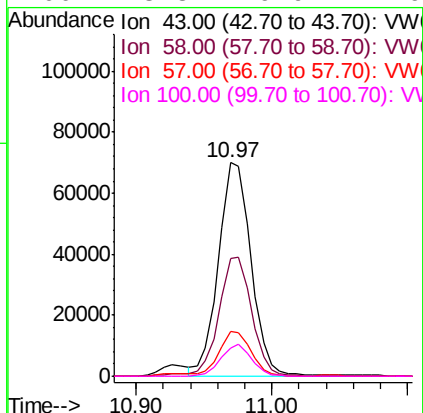
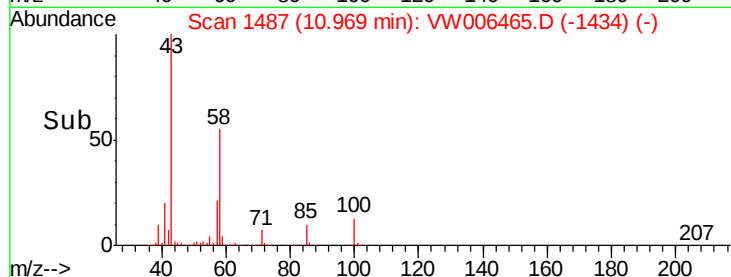
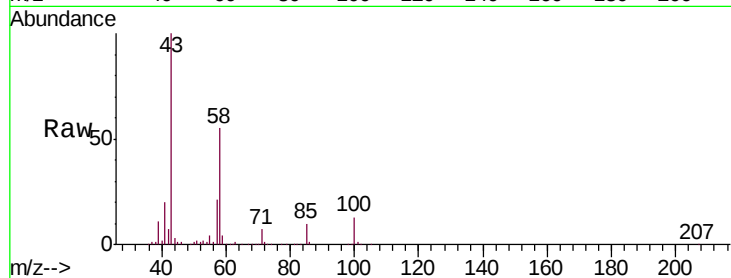




#49
2-Hexanone
Concen: 56.343 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

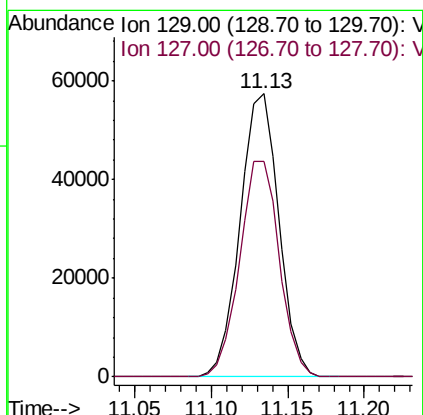
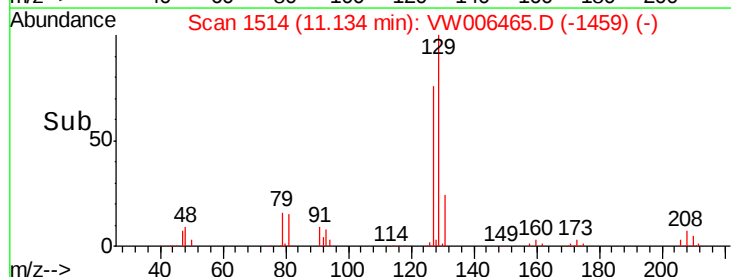
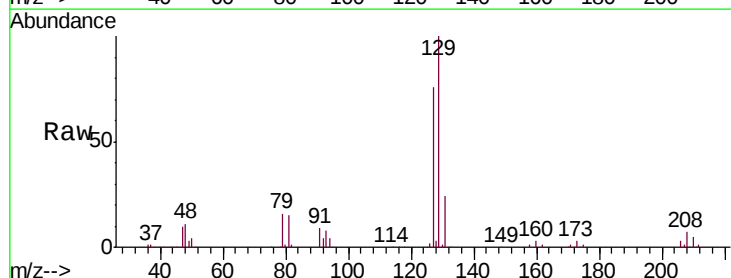
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

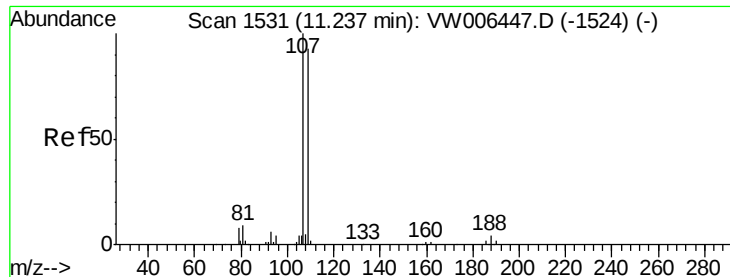
Tgt Ion:	43	Resp:	117278
Ion	Ratio	Lower	Upper
43	100		
58	55.4	42.1	63.1
57	20.4	15.1	22.7
100	13.8	9.9	14.9



#50
Dibromochloromethane
Concen: 26.881 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006465.D
Acq: 29 Oct 2018 19:24

Tgt Ion:	129	Resp:	101130
Ion	Ratio	Lower	Upper
129	100		
127	76.1	54.4	101.0





#51

1,2-Dibromoethane

Concen: 28.555 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

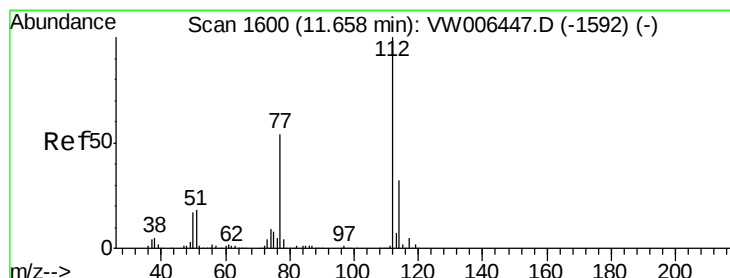
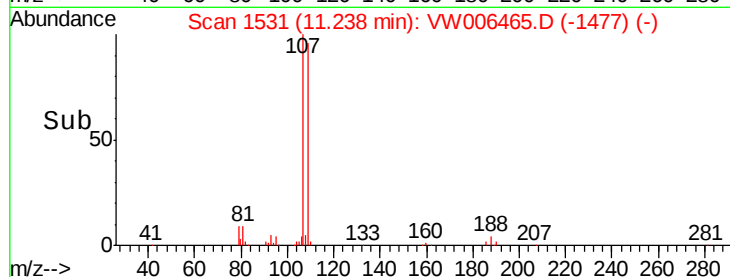
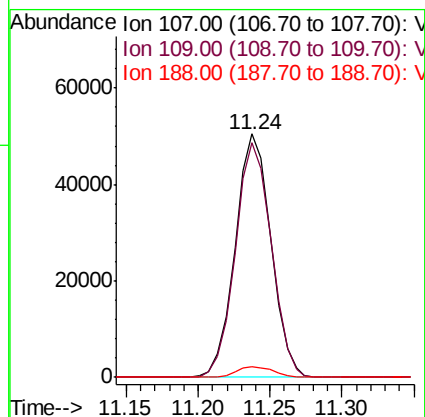
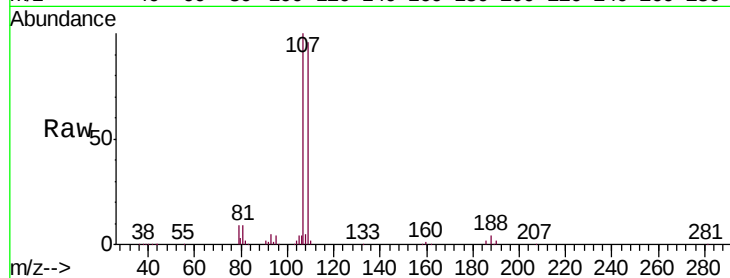
Tgt Ion:107 Resp: 87242

Ion Ratio Lower Upper

107 100

109 96.4 66.6 123.8

188 4.3 3.4 5.0



#52

Chlorobenzene

Concen: 28.095 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

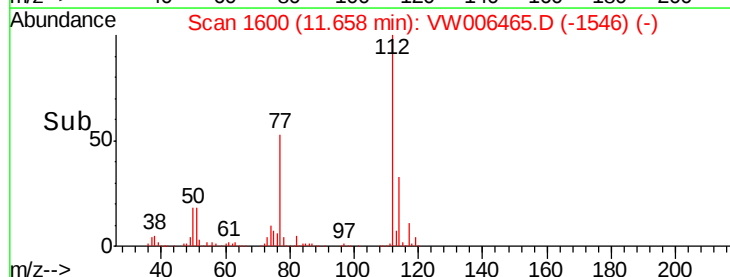
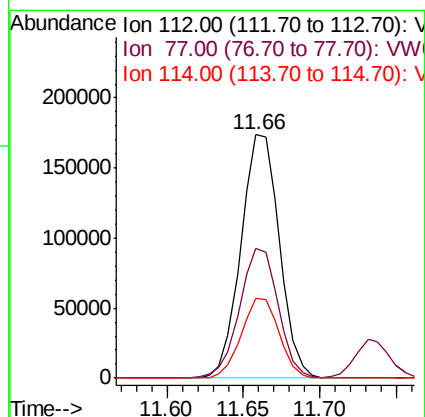
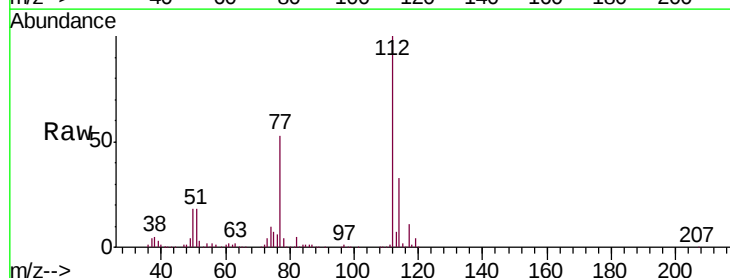
Tgt Ion:112 Resp: 303331

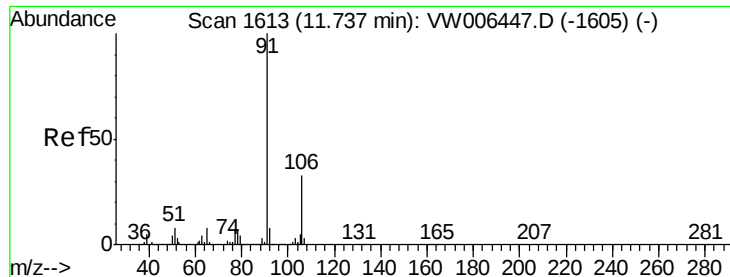
Ion Ratio Lower Upper

112 100

77 53.2 44.2 66.2

114 33.0 22.1 41.1





#53

Ethylbenzene

Concen: 27.750 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

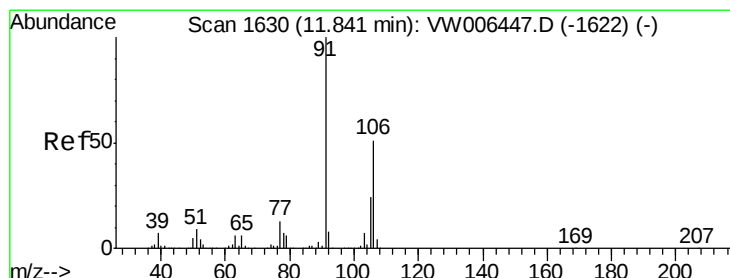
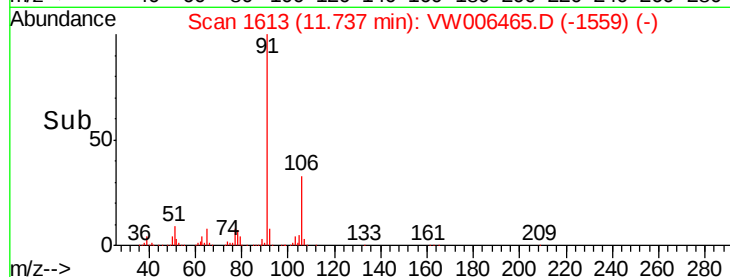
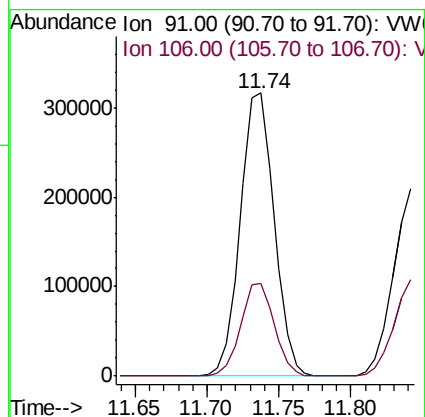
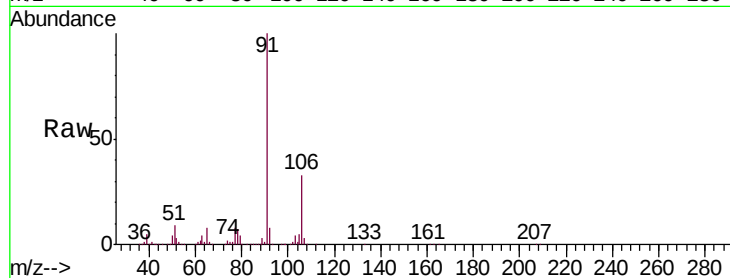
VSTD02511

Tgt Ion: 91 Resp: 515411

Ion Ratio Lower Upper

91 100

106 32.7 22.6 42.0



#54

m,p-Xylene

Concen: 27.771 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW006465.D

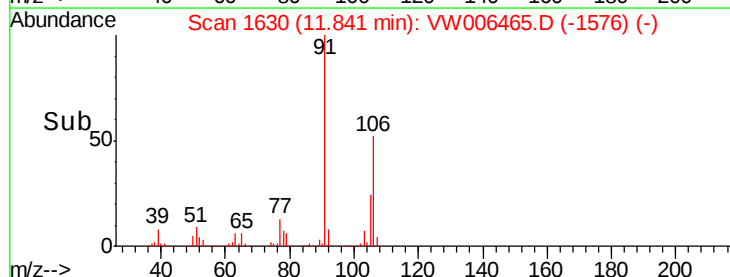
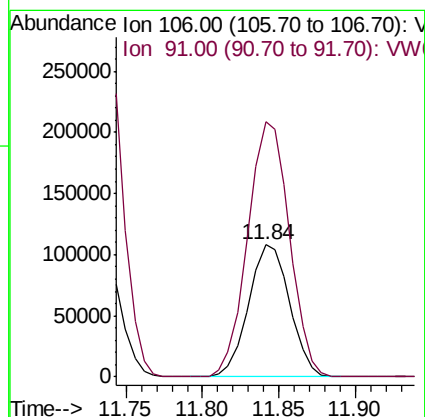
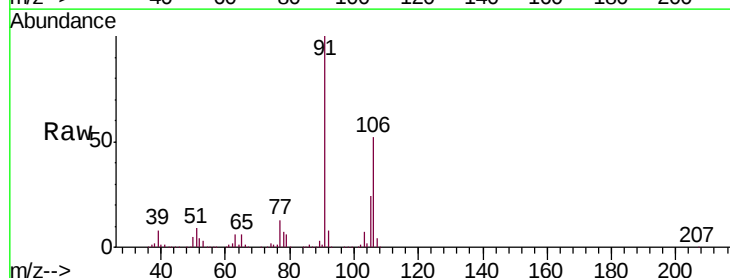
Acq: 29 Oct 2018 19:24

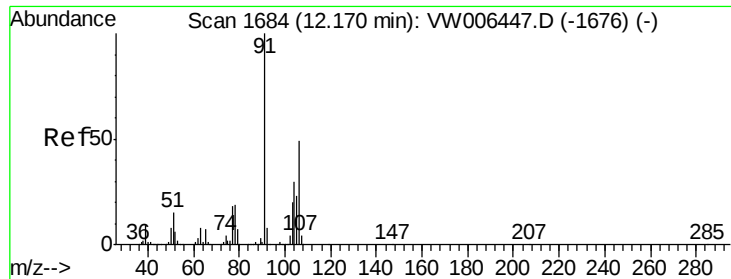
Tgt Ion: 106 Resp: 202187

Ion Ratio Lower Upper

106 100

91 193.4 138.4 257.0





#55

o-xylene

Concen: 27.593 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

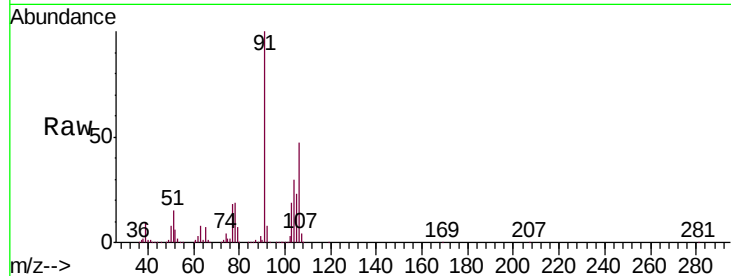
VSTD02511

Tgt Ion:106 Resp: 191815

Ion Ratio Lower Upper

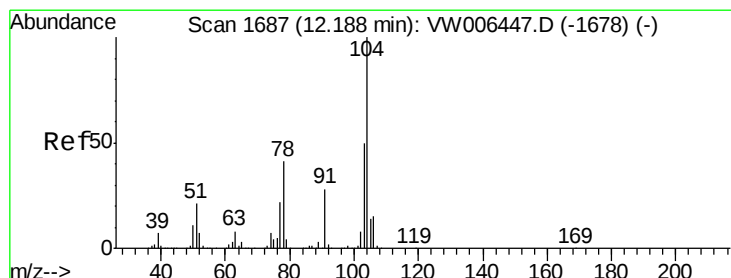
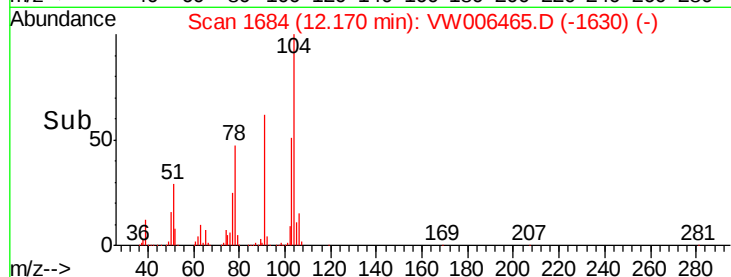
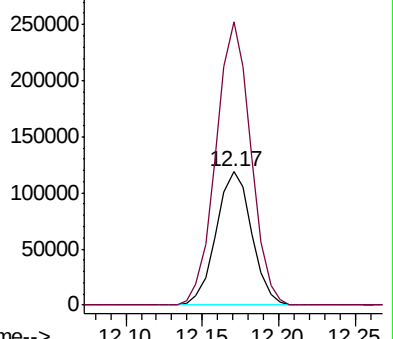
106 100

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: 27.317 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VW006465.D

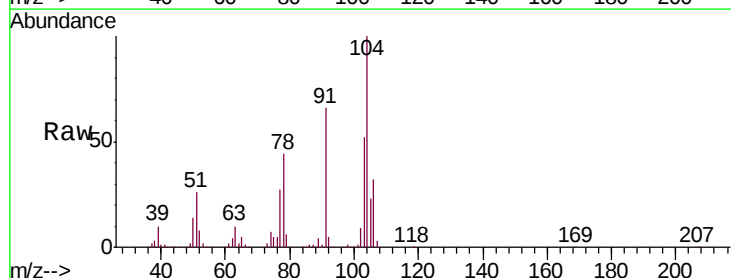
Acq: 29 Oct 2018 19:24

Tgt Ion:104 Resp: 327007

Ion Ratio Lower Upper

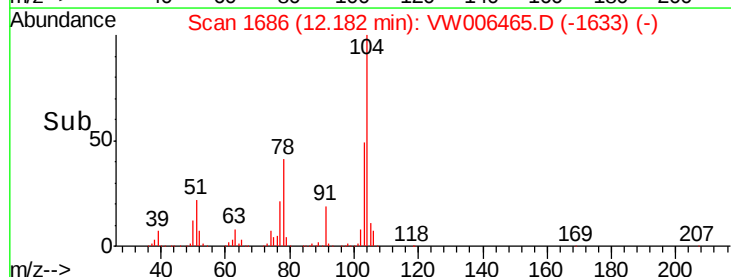
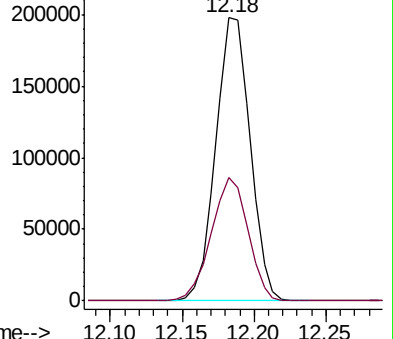
104 100

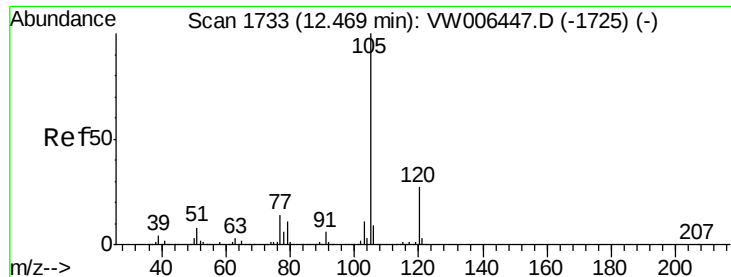
78 43.7 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.250 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

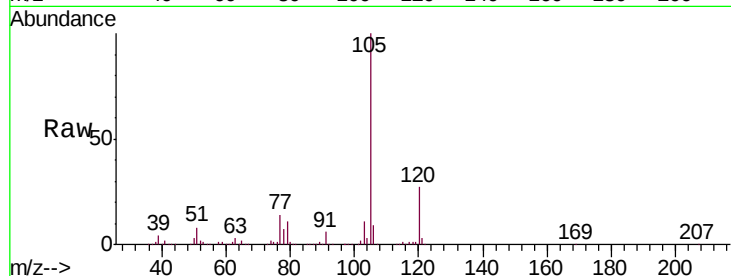
Tgt Ion: 105 Resp: 546415

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.6

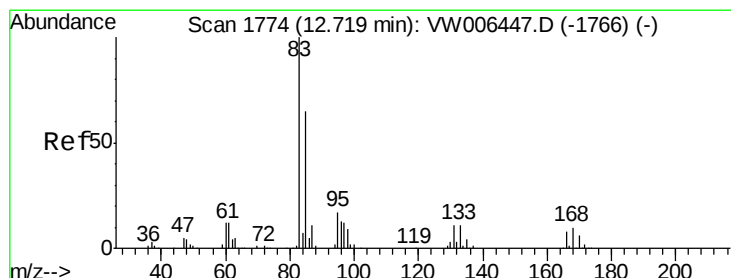
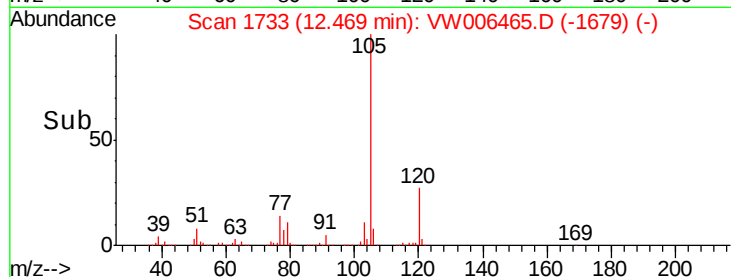
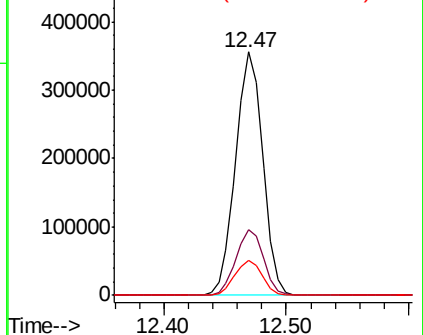
77 14.6 12.2 18.2



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: 30.669 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

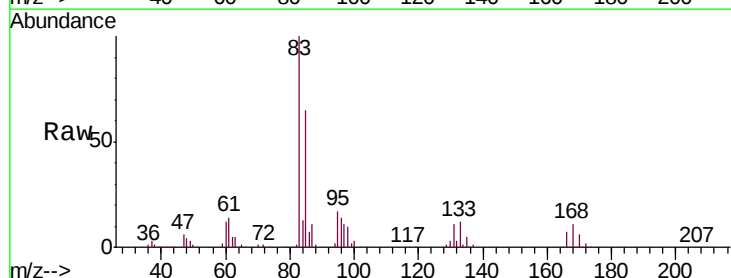
Tgt Ion: 83 Resp: 116982

Ion Ratio Lower Upper

83 100

85 64.9 44.8 83.2

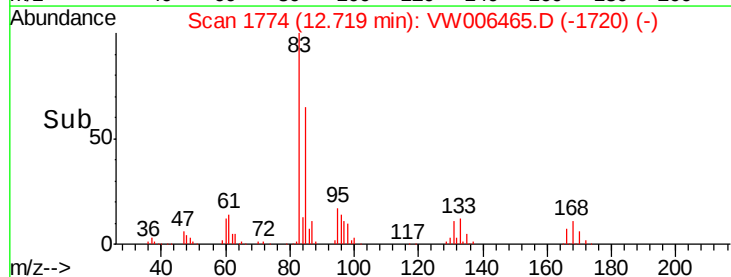
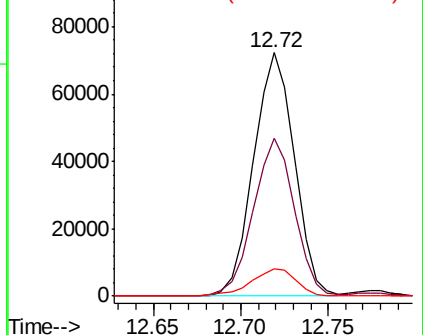
131 11.1 9.0 13.4

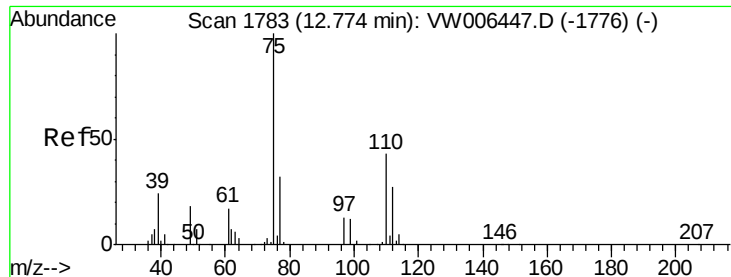


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.970 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

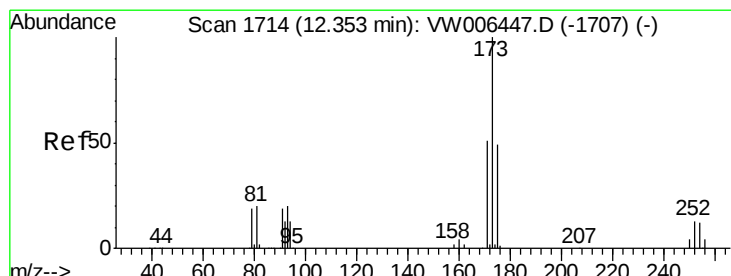
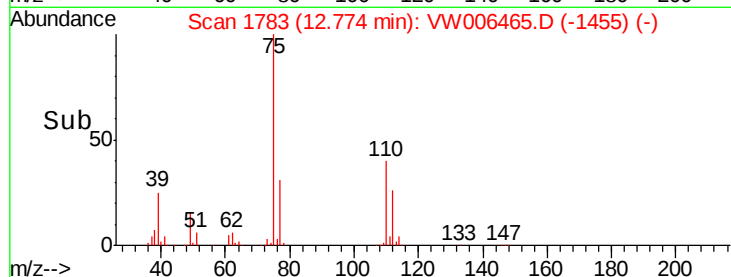
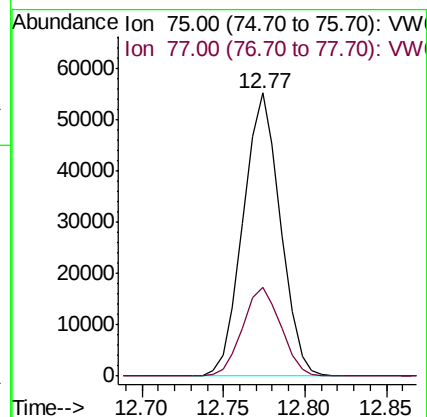
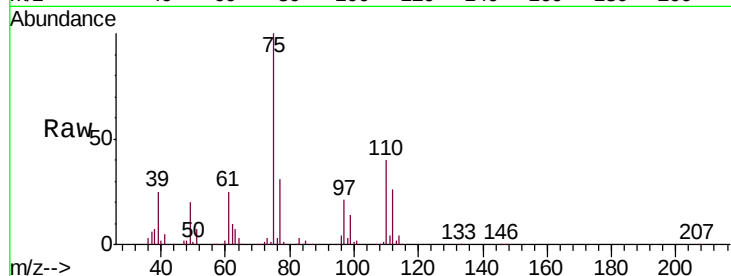
VSTD02511

Tgt Ion: 75 Resp: 88137

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#62

Bromoform

Concen: 27.637 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

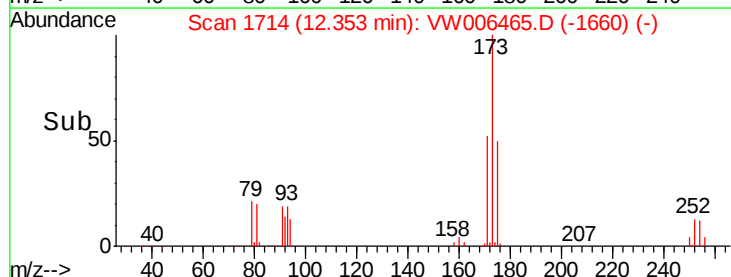
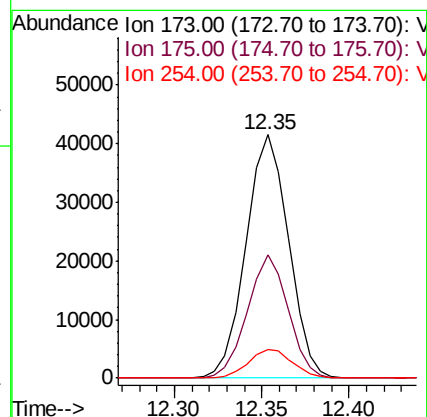
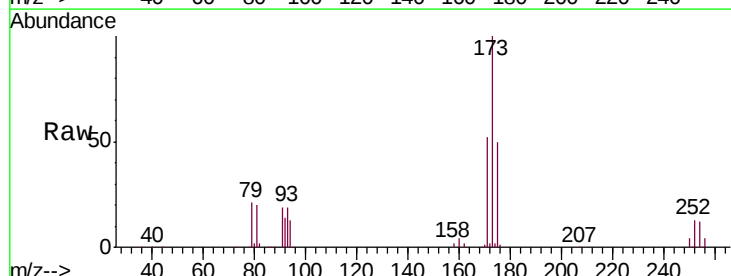
Tgt Ion: 173 Resp: 70331

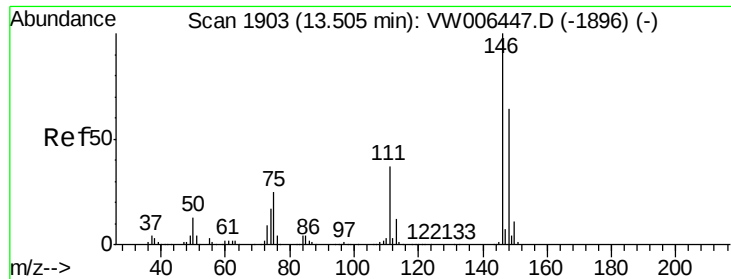
Ion Ratio Lower Upper

173 100

175 48.5 39.1 58.7

254 12.2 9.2 13.8

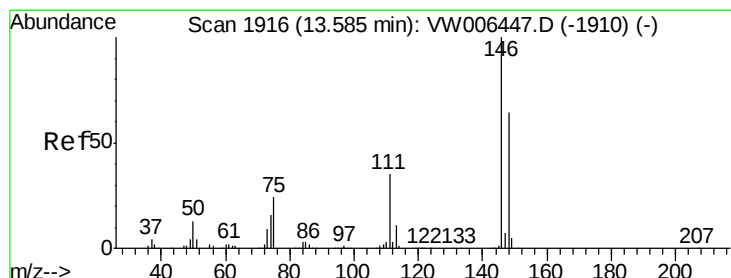
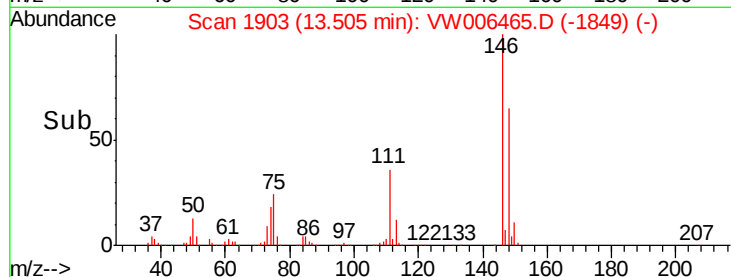
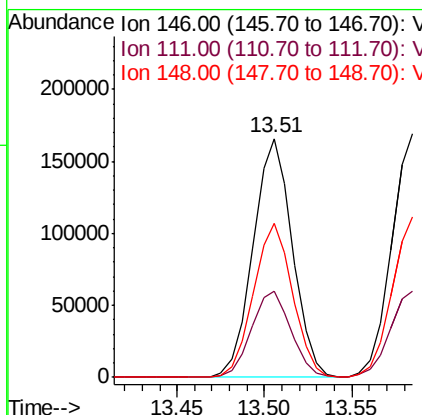
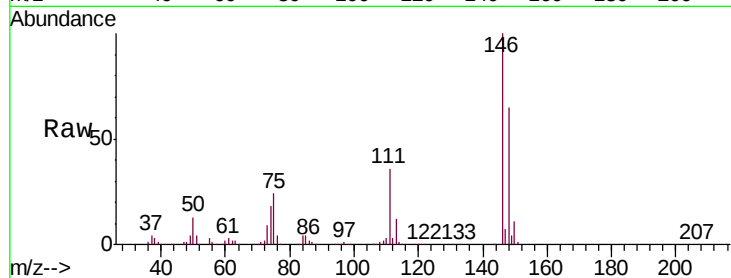




#63
 1,3-Dichlorobenzene
 Concen: 27.942 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

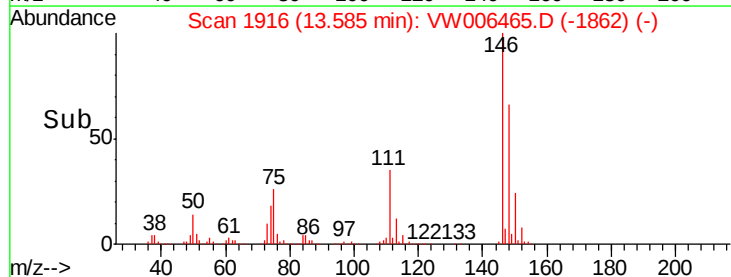
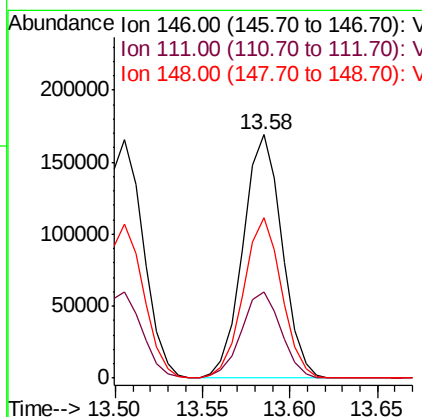
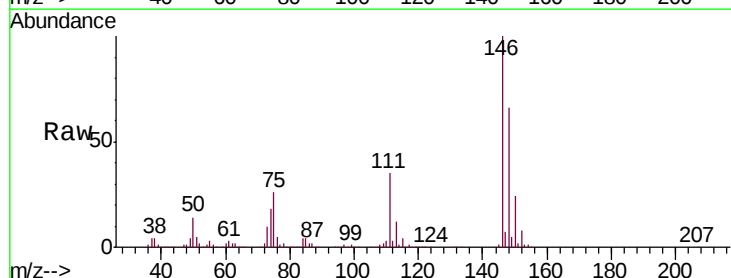
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

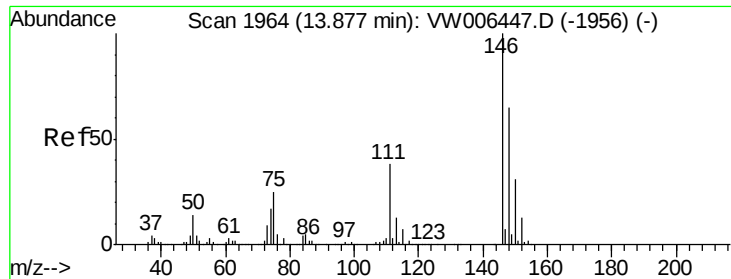
Tgt Ion:146 Resp: 260607
 Ion Ratio Lower Upper
 146 100
 111 36.0 26.3 48.9
 148 64.8 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 28.056 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

Tgt Ion:146 Resp: 263500
 Ion Ratio Lower Upper
 146 100
 111 35.4 24.7 45.9
 148 65.7 44.9 83.5

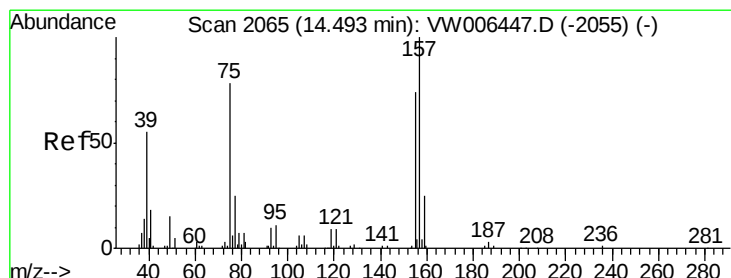
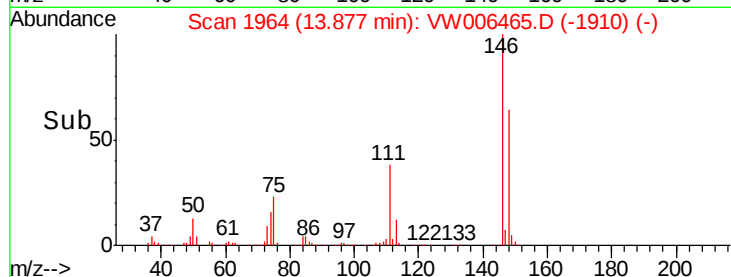
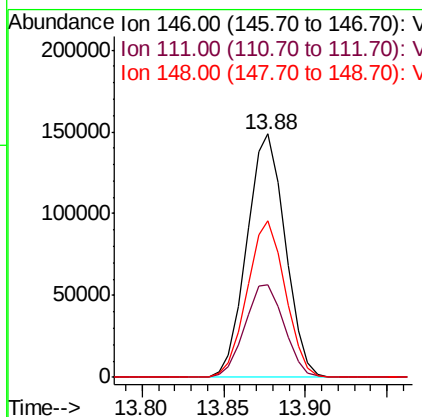
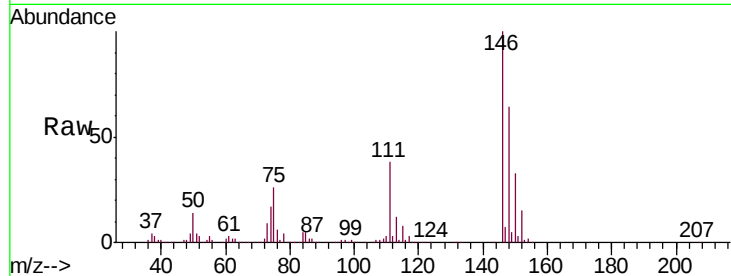




#65
 1,2-Dichlorobenzene
 Concen: 28.439 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

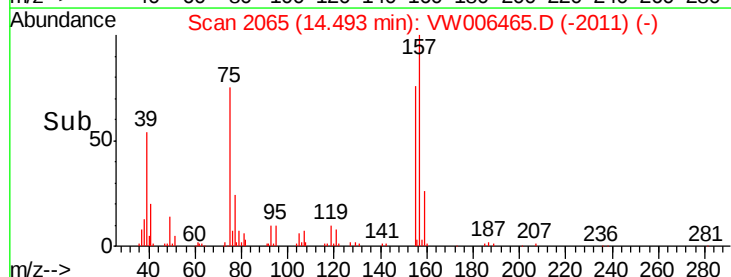
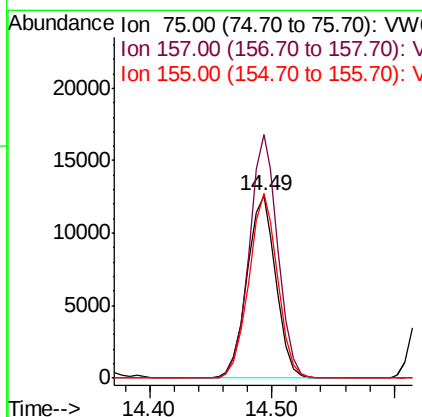
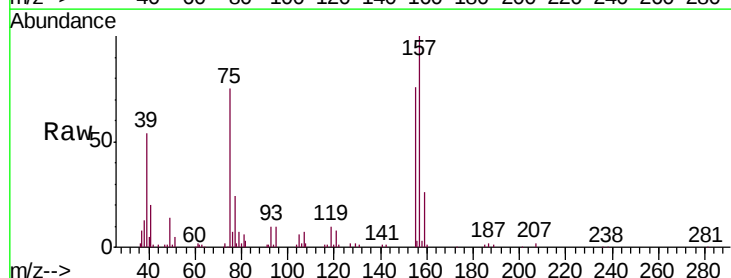
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

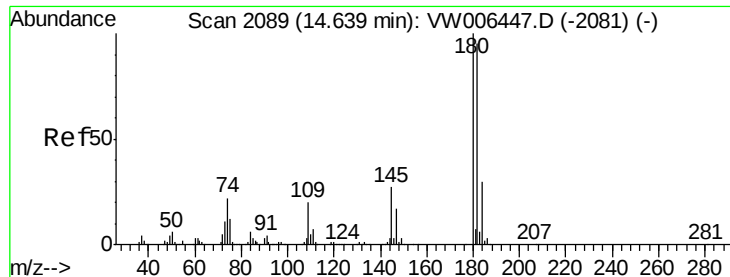
Tgt Ion:146 Resp: 244003
 Ion Ratio Lower Upper
 146 100
 111 38.3 31.1 46.7
 148 64.4 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.882 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

Tgt Ion: 75 Resp: 20637
 Ion Ratio Lower Upper
 75 100
 157 133.6 106.8 160.2
 155 101.4 79.2 118.8

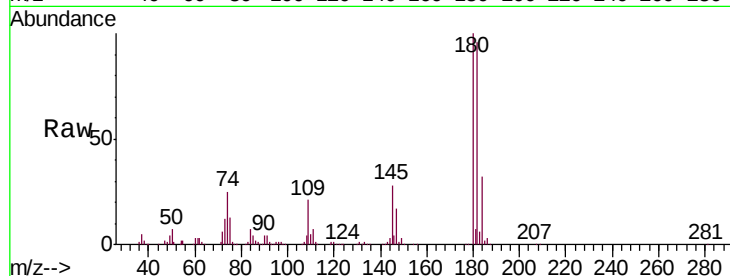




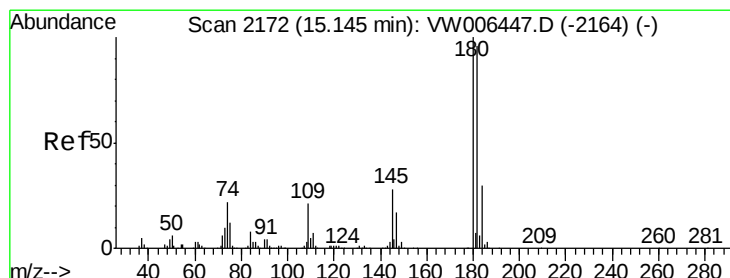
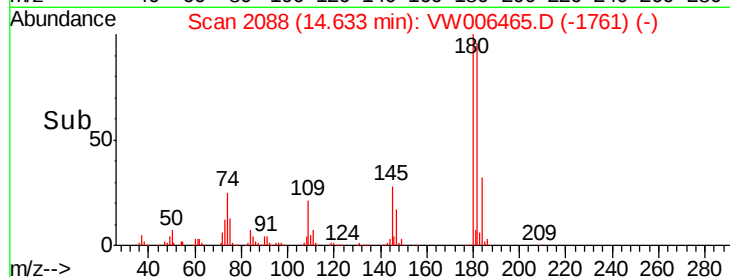
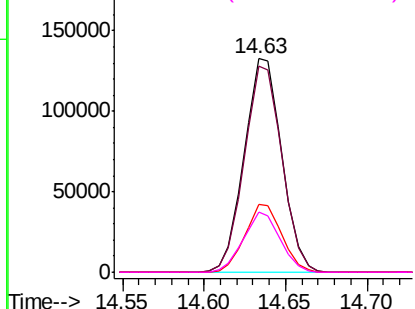
#67
 1,3,5-Trichlorobenzene
 Concen: 28.299 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion:	180	Resp:	212752
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.0	114.0
184	31.2	24.3	36.5
145	27.5	22.6	33.8

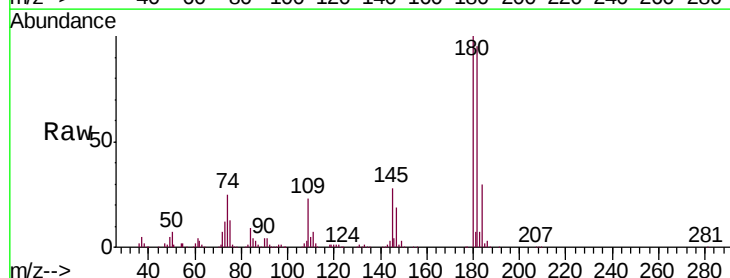


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

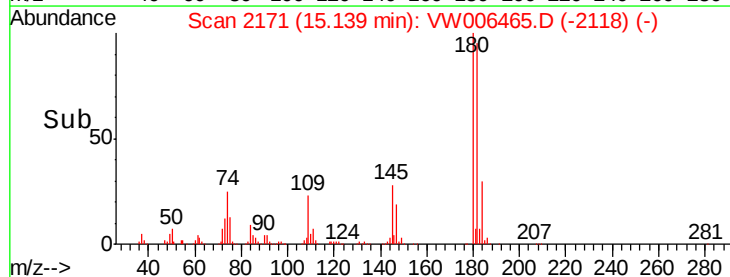
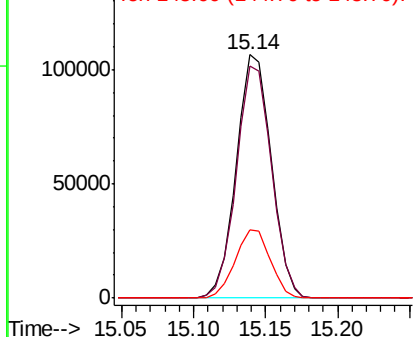


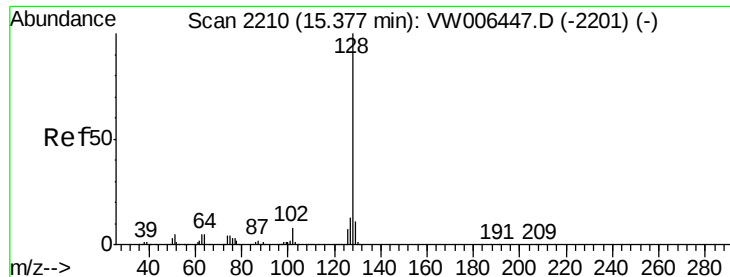
#68
 1,2,4-trichlorobenzene
 Concen: 28.131 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006465.D
 Acq: 29 Oct 2018 19:24

Tgt Ion:	180	Resp:	180334
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.2
145	28.3	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: 29.533 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

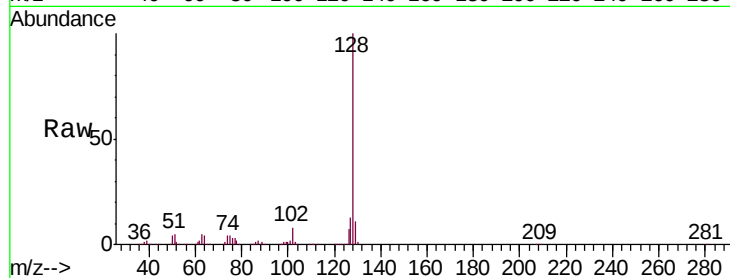
Tgt Ion:128 Resp: 383313

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

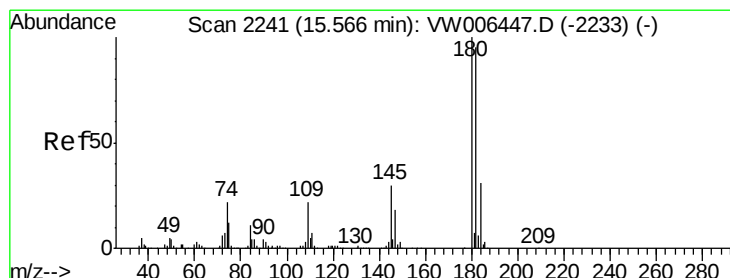
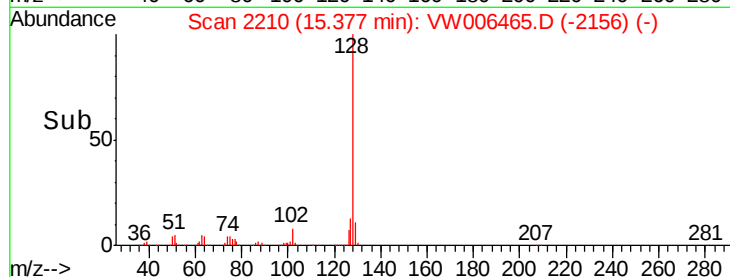
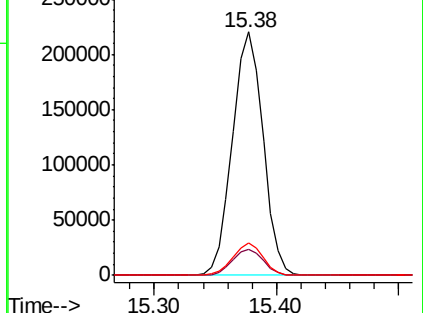
127 12.9 10.5 15.7



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: 28.754 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006465.D

Acq: 29 Oct 2018 19:24

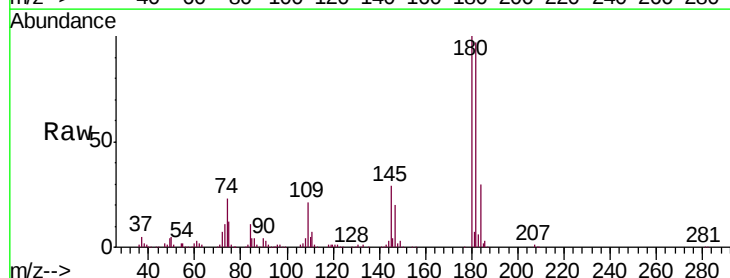
Tgt Ion:180 Resp: 165600

Ion Ratio Lower Upper

180 100

182 95.8 75.5 113.3

145 29.7 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

