

Data File : VW006946.D
Acq On : 19 Nov 2018 15:39
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

Quant Time: Nov 20 06:22:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 20 06:18:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	156994	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	153990	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	77342	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	32092	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.08%
7) Chloroethane-d5	2.89	69	22890	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
10) 1,1-Dichloroethene-d2	4.02	63	88202	23.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.76%
20) 2-Butanone-d5	7.09	46	37860	49.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.58%
24) Chloroform-d	7.65	84	80117	23.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	8.31	65	52146	26.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.32%
29) Benzene-d6	8.28	84	179534	22.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.20%
33) 1,2-Dichloropropane-d6	9.27	67	54181	21.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.96%
37) Toluene-d8	10.33	98	187478	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.96%
38) trans-1,3-Dichloropropene-	10.58	79	23938	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.48%
39) 2-Hexanone-d5	10.93	63	30467	49.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	53721	25.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	70283	24.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	55315	25.264	ug/L	98
3) Chloromethane	2.21	50	42822	25.057	ug/L	93
5) Vinyl chloride	2.36	62	42704	24.566	ug/L	99
6) Bromomethane	2.78	94	21765	27.849	ug/L	100
8) Chloroethane	2.92	64	22022	23.508	ug/L	96
9) Trichlorofluoromethane	3.26	101	82294	26.635	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	53199	25.741	ug/L	97
12) 1,1-Dichloroethene	4.04	96	45262	25.236	ug/L #	83
13) Acetone	4.14	43	25704	51.942	ug/L	98
14) Carbon disulfide	4.39	76	153494	23.773	ug/L	99
15) Methyl Acetate	4.68	43	30594	25.389	ug/L	100
16) Methylene chloride	4.92	84	59221	21.572	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	131838	27.299	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	50609	24.716	ug/L	97
19) 1,1-Dichloroethane	6.22	63	85018	25.435	ug/L	100
21) 2-Butanone	7.18	43	42761	50.082	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	54395	26.016	ug/L	98

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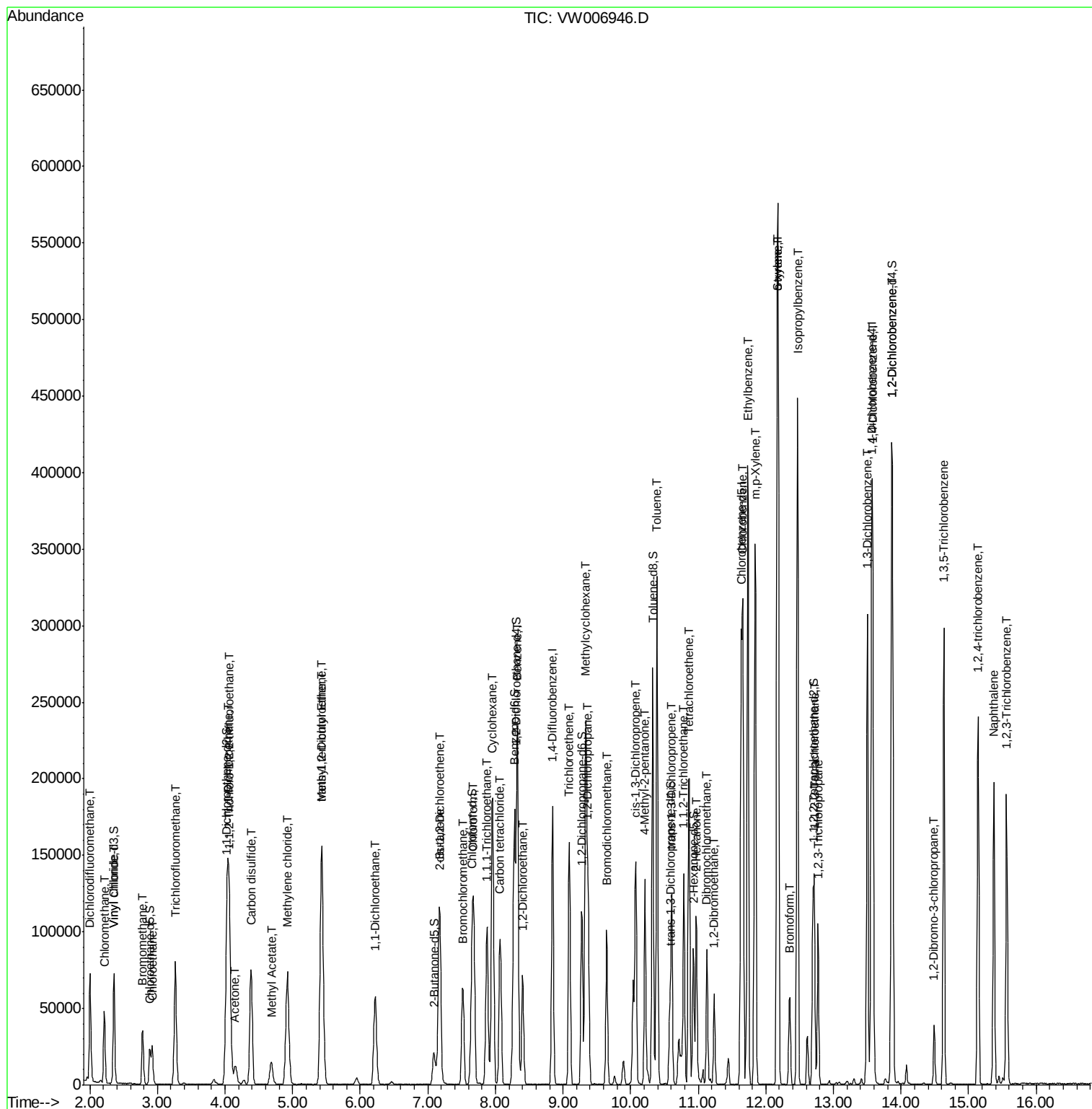
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	23173	27.191	ug/L	98
25) Chloroform	7.68	83	97685	25.276	ug/L	100
27) 1,2-Dichloroethane	8.40	62	65151	28.667	ug/L	97
30) Cyclohexane	7.96	56	92377	22.626	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	85098	24.833	ug/L	99
32) Carbon tetrachloride	8.07	117	73808	24.505	ug/L	99
34) Benzene	8.32	78	206112	23.934	ug/L	100
35) Trichloroethene	9.09	95	57470	24.501	ug/L	100
36) Methylcyclohexane	9.34	83	102721	22.783	ug/L	98
40) 1,2-Dichloropropane	9.37	63	51685	24.361	ug/L	99
41) Bromodichloromethane	9.65	83	67685	26.004	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	80557	25.148	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	87494	52.628	ug/L	99
44) Toluene	10.39	91	244216	24.767	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	67095	24.785	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	42081	25.905	ug/L	98
47) Tetrachloroethene	10.86	164	45999	25.647	ug/L	93
49) 2-Hexanone	10.97	43	69108	56.145	ug/L	98
50) Dibromochloromethane	11.13	129	48010	27.389	ug/L	98
51) 1,2-Dibromoethane	11.24	107	40221	26.034	ug/L	99
52) Chlorobenzene	11.66	112	159931	25.787	ug/L	100
53) Ethylbenzene	11.73	91	287963	24.538	ug/L	97
54) m,p-Xylene	11.84	106	113106	25.200	ug/L	99
55) o-xylene	12.17	106	105384	25.633	ug/L	99
56) Styrene	12.18	104	178919	26.253	ug/L	97
57) Isopropylbenzene	12.47	105	288236	25.043	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	55600	26.979	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	44075	27.461	ug/L	99
62) Bromoform	12.35	173	27300	28.128	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	129652	25.859	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	129279	25.831	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	120107	26.635	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	10306	24.654	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	88467	25.965	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	73510	26.475	ug/L	99
69) Naphthalene	15.38	128	174175	26.168	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	66908	27.105	ug/L	99

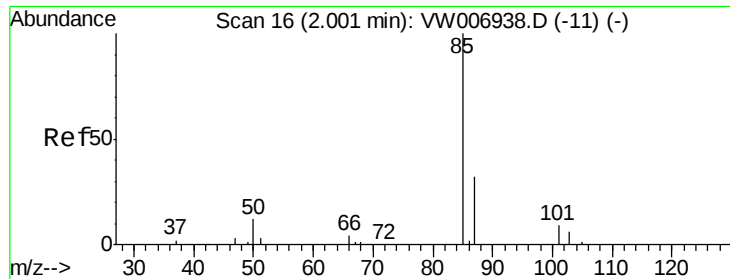
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.264 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

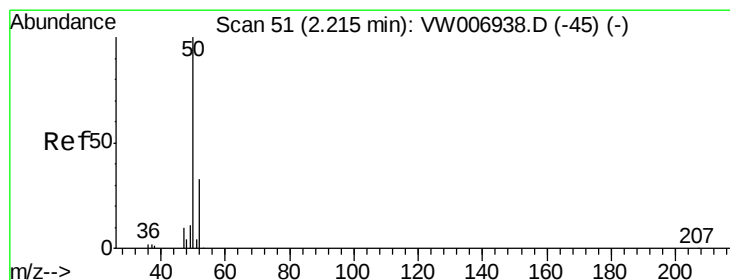
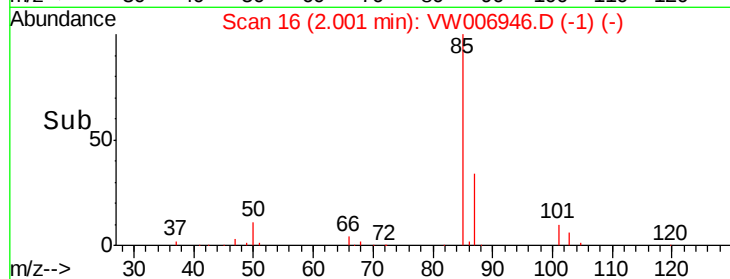
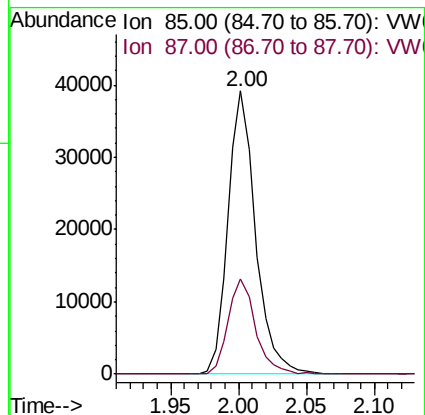
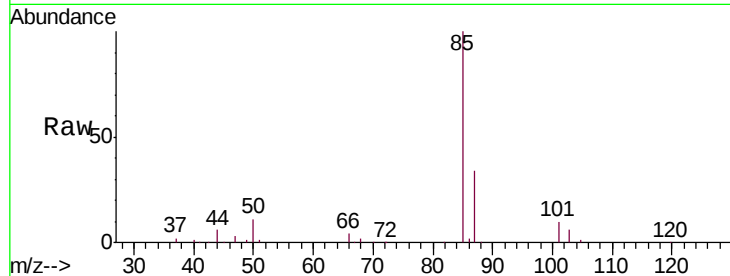
VSTD02595

Tgt Ion: 85 Resp: 55315

Ion Ratio Lower Upper

85 100

87 33.2 22.6 42.0



#3

Chloromethane

Concen: 25.057 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006946.D

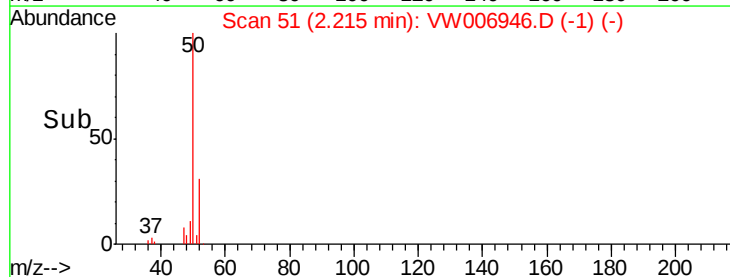
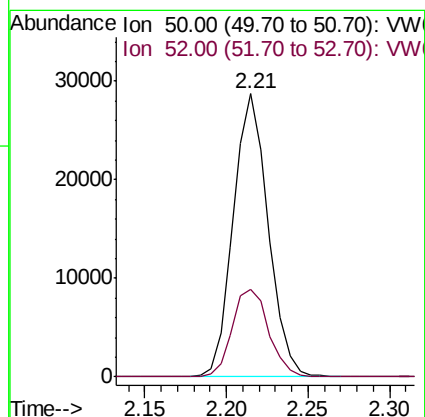
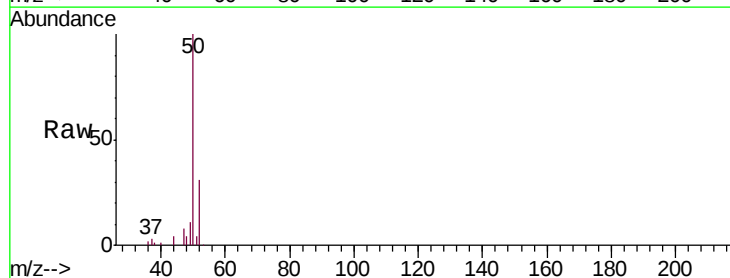
Acq: 19 Nov 2018 15:39

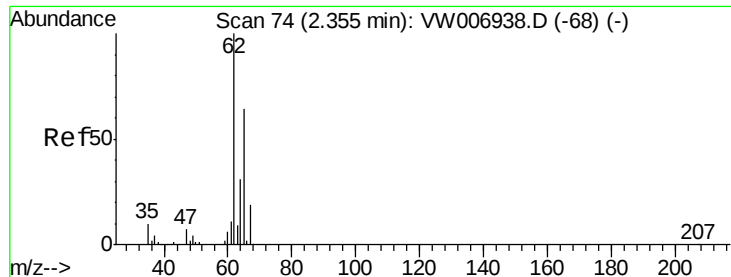
Tgt Ion: 50 Resp: 42822

Ion Ratio Lower Upper

50 100

52 30.7 24.4 45.4





#5

Vinyl chloride

Concen: 24.566 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

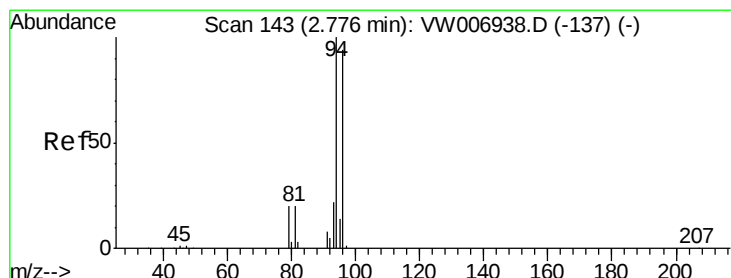
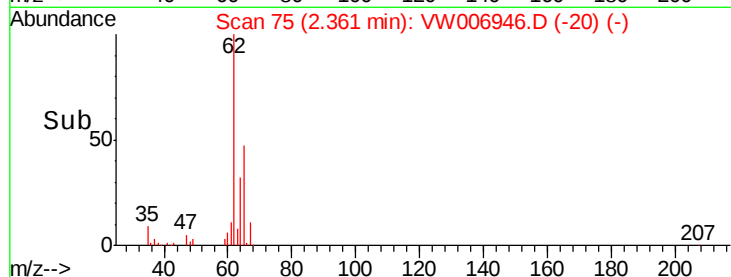
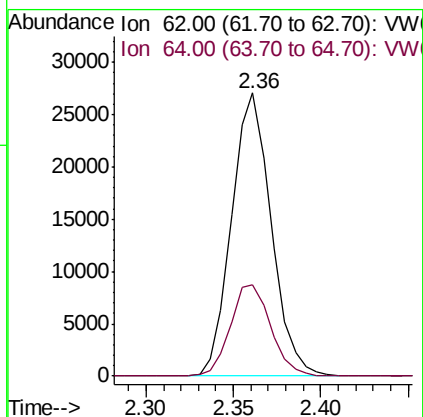
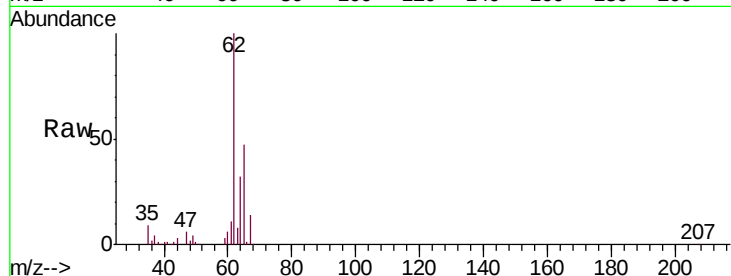
VSTD02595

Tgt Ion: 62 Resp: 42704

Ion Ratio Lower Upper

62 100

64 32.1 21.9 40.7



#6

Bromomethane

Concen: 27.849 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW006946.D

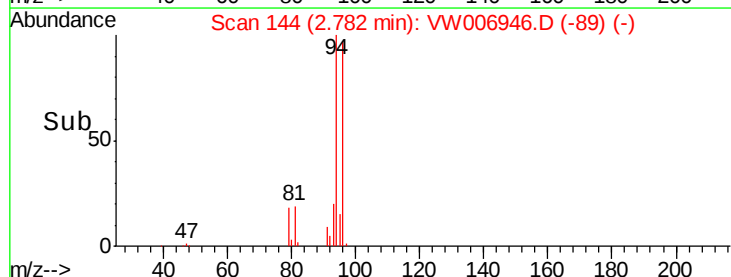
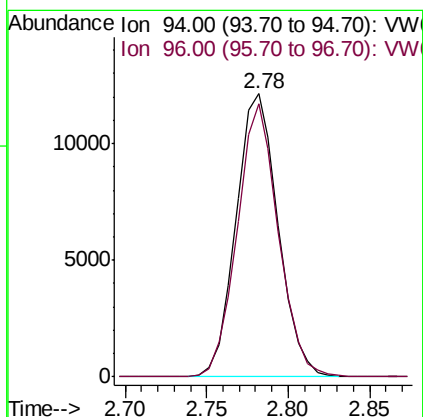
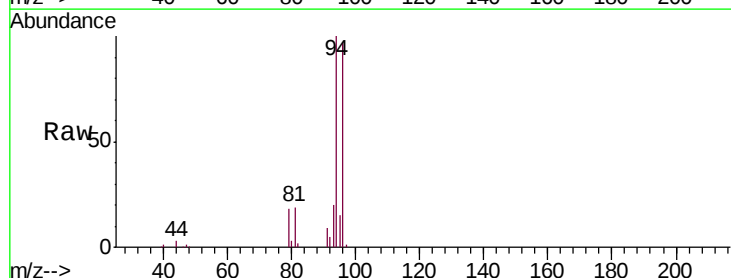
Acq: 19 Nov 2018 15:39

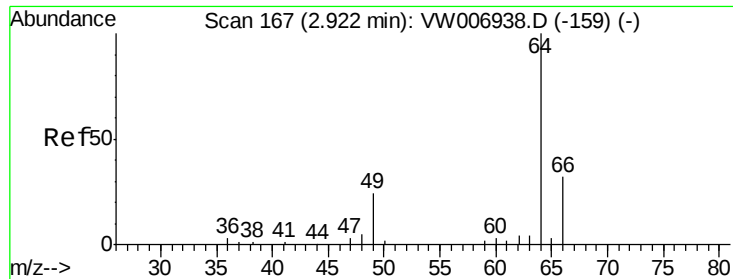
Tgt Ion: 94 Resp: 21765

Ion Ratio Lower Upper

94 100

96 94.1 9.4 179.5

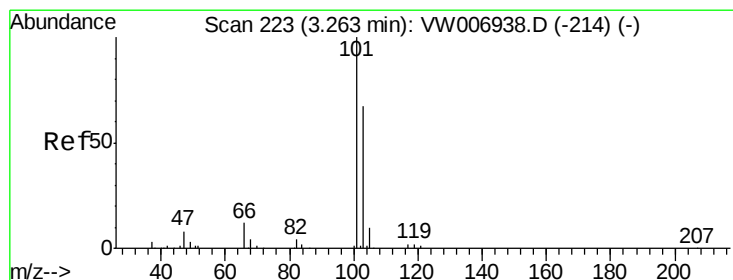
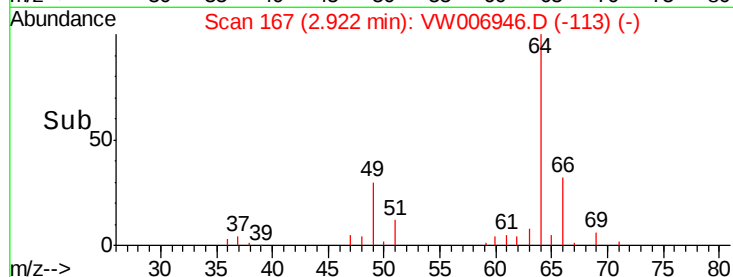
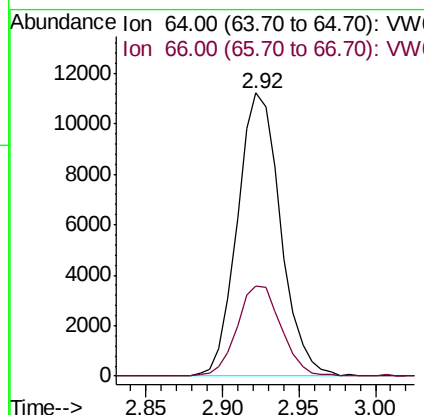
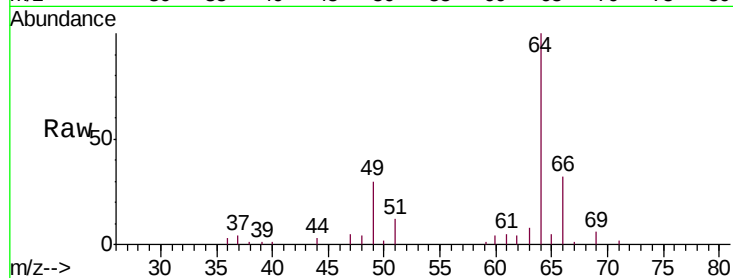




#8
 Chloroethane
 Concen: 23.508 ug/L
 RT: 2.92 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

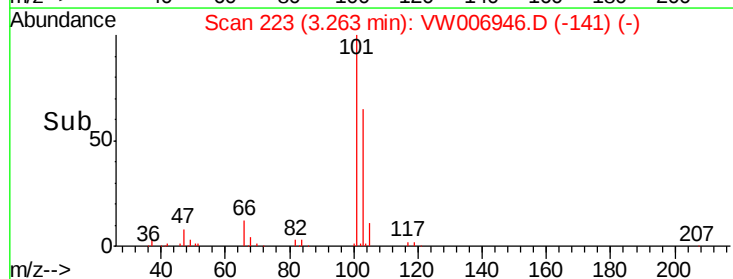
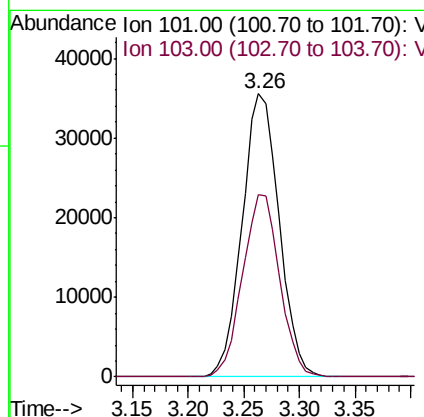
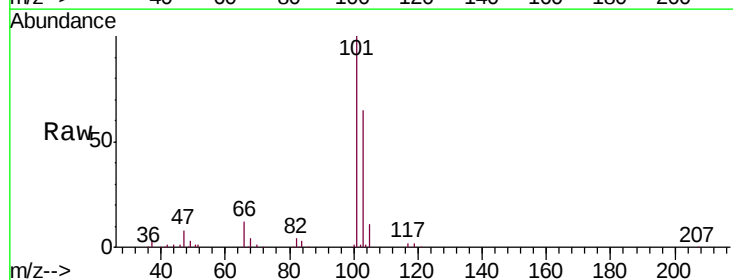
Instrument :
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 ClientSampleId :
 VSTD02595

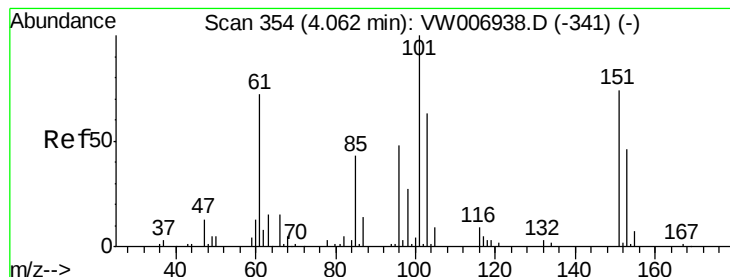
Tgt Ion: 64 Resp: 22022
 Ion Ratio Lower Upper
 64 100
 66 31.7 20.8 38.6



#9
 Trichlorofluoromethane
 Concen: 26.635 ug/L
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

Tgt Ion: 101 Resp: 82294
 Ion Ratio Lower Upper
 101 100
 103 64.4 46.1 85.5





#11

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

Concen: 25.741 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampled :

VSTD02595

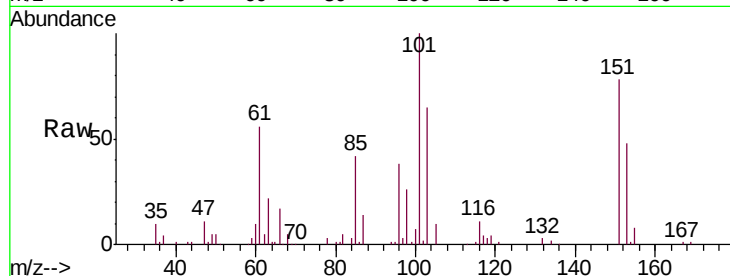
Tgt Ion:101 Resp: 53199

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.8

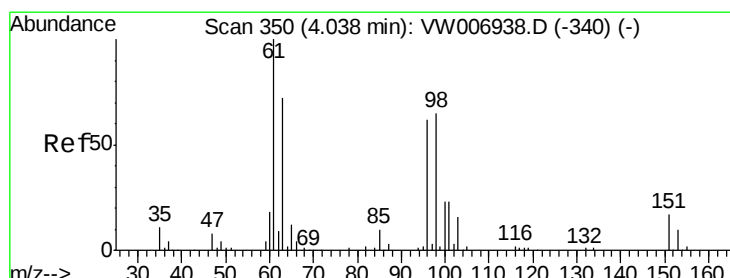
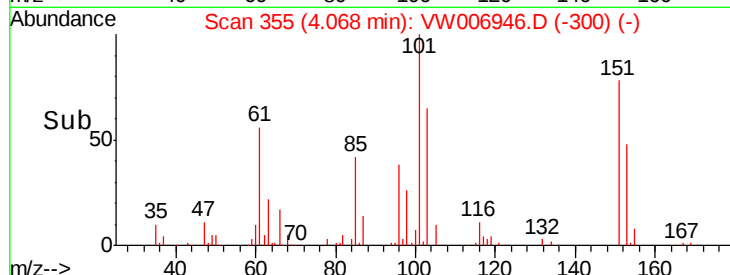
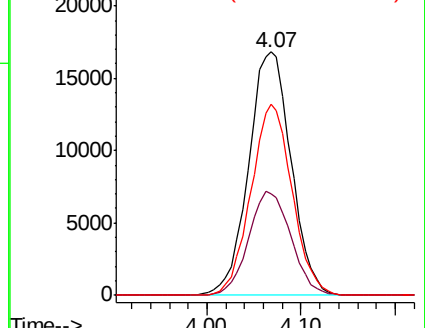
151 75.8 57.5 86.3



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: 25.236 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

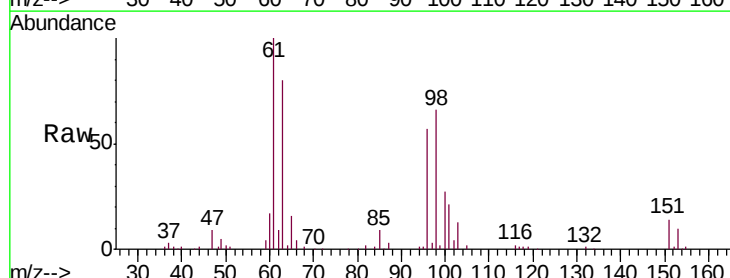
Tgt Ion: 96 Resp: 45262

Ion Ratio Lower Upper

96 100

61 174.0 116.3 215.9

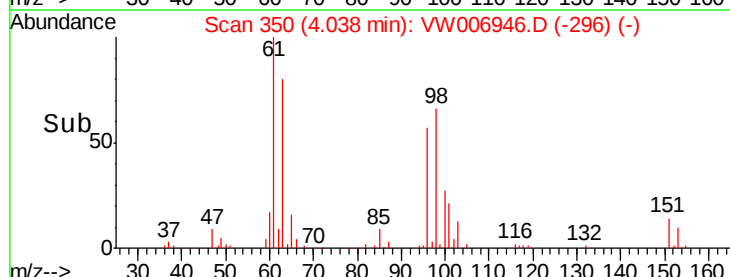
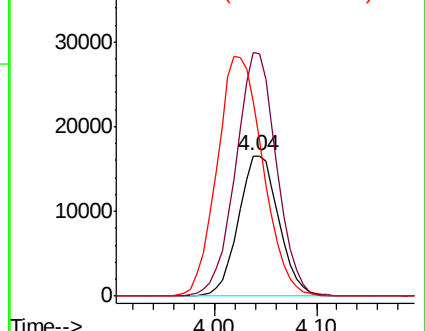
63 139.7 73.4 136.4#

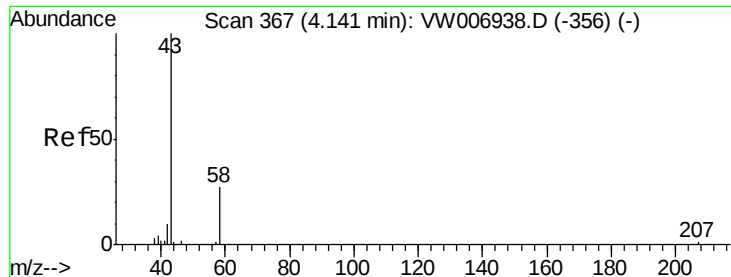


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.942 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

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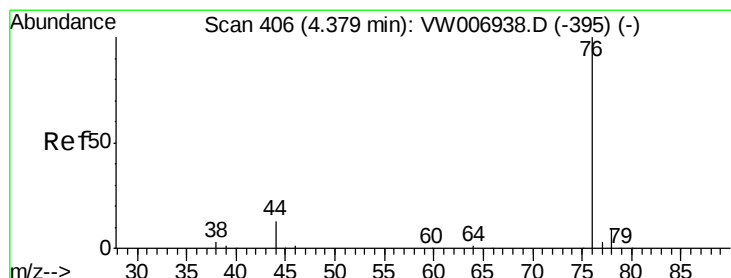
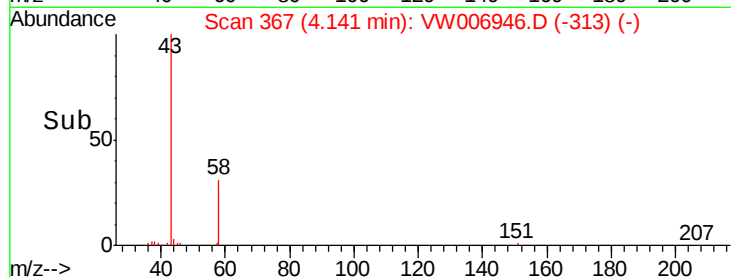
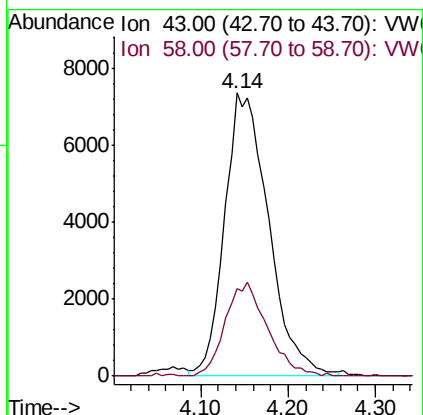
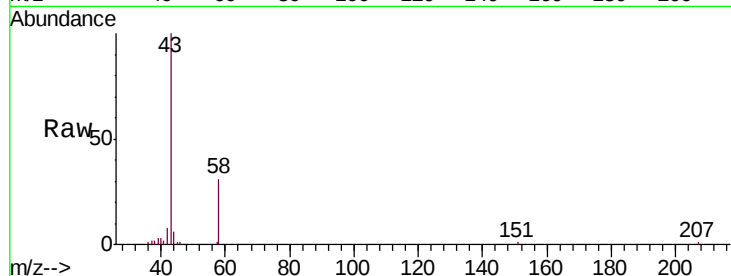
VSTD02595

Tgt Ion: 43 Resp: 25704

Ion Ratio Lower Upper

43 100

58 31.6 0.0 65.6



#14

Carbon disulfide

Concen: 23.773 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW006946.D

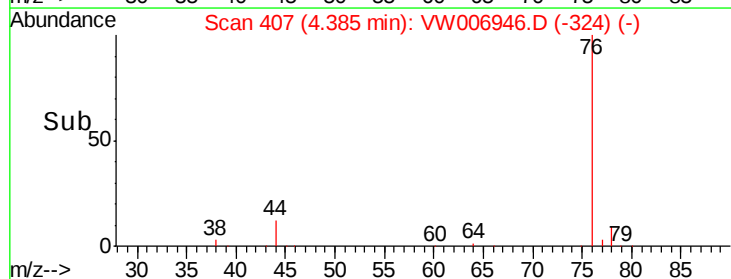
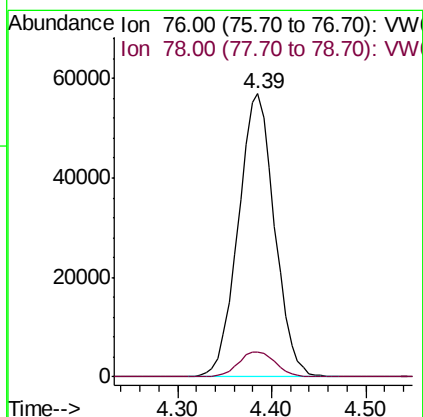
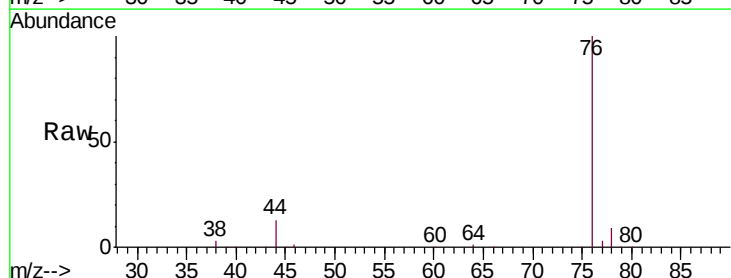
Acq: 19 Nov 2018 15:39

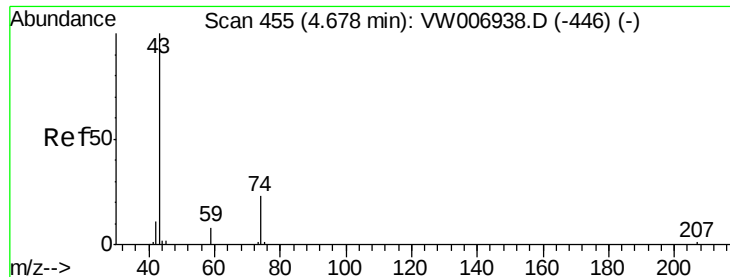
Tgt Ion: 76 Resp: 153494

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2





#15

Methyl Acetate

Concen: 25.389 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampled :

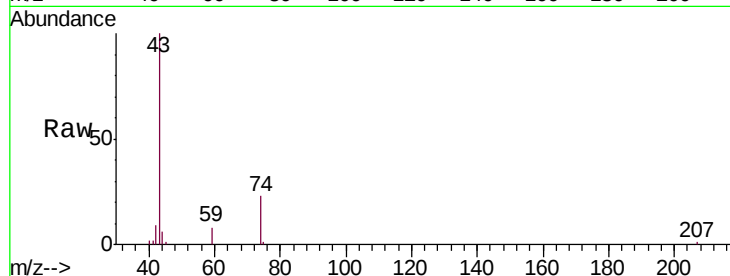
VSTD02595

Tgt Ion: 43 Resp: 30594

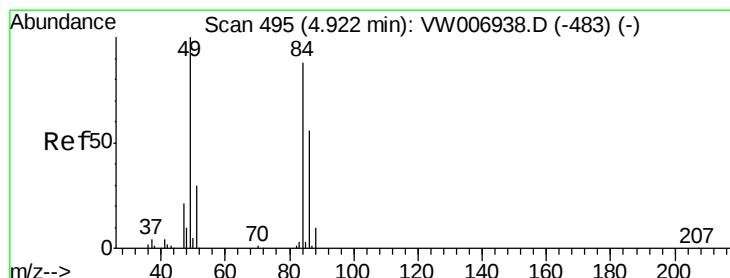
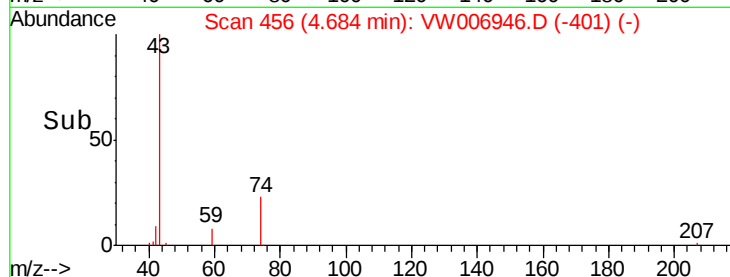
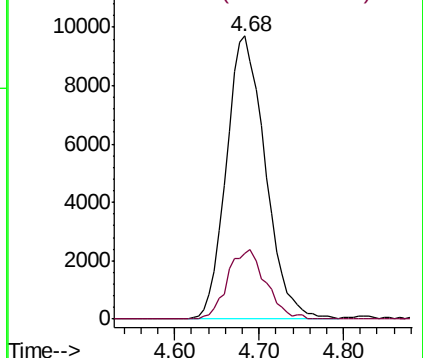
Ion Ratio Lower Upper

43 100

74 23.5 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 21.572 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

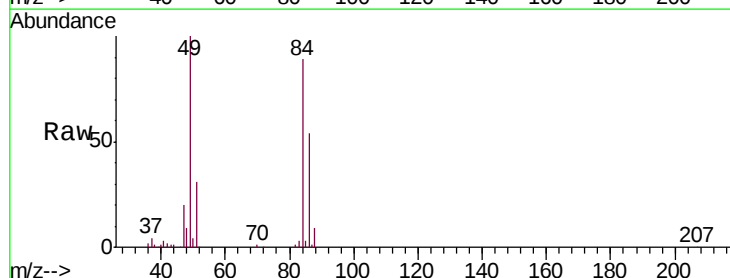
Tgt Ion: 84 Resp: 59221

Ion Ratio Lower Upper

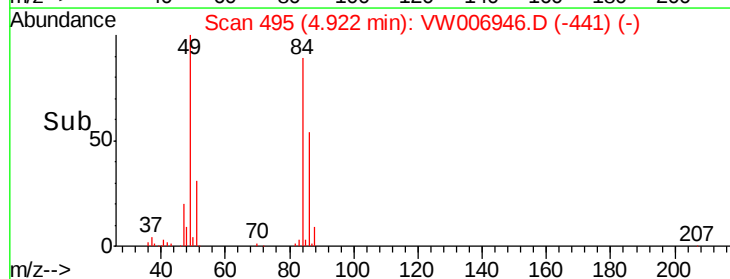
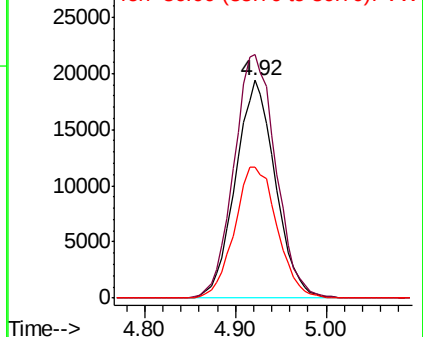
84 100

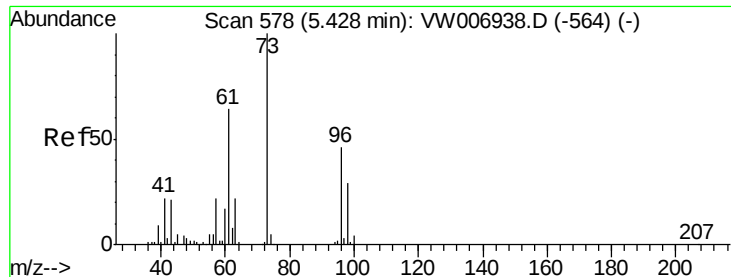
49 111.8 79.3 147.3

86 60.2 43.5 80.9



Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

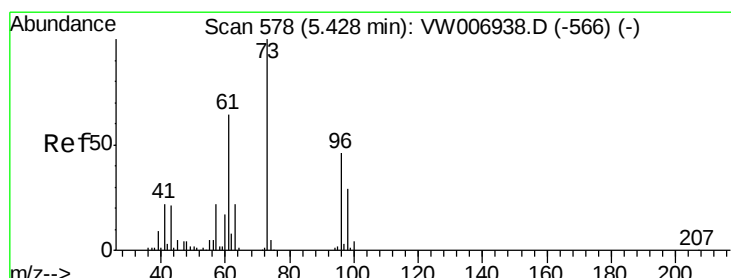
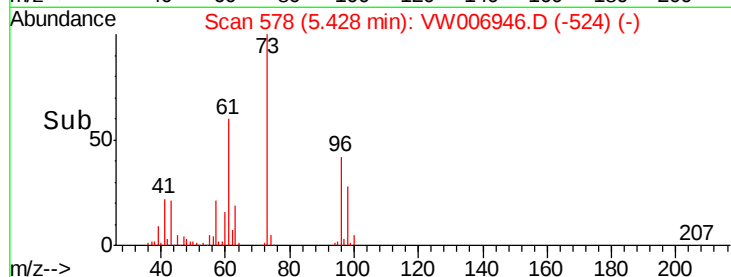
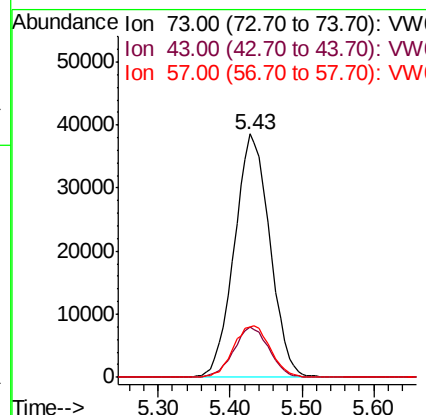
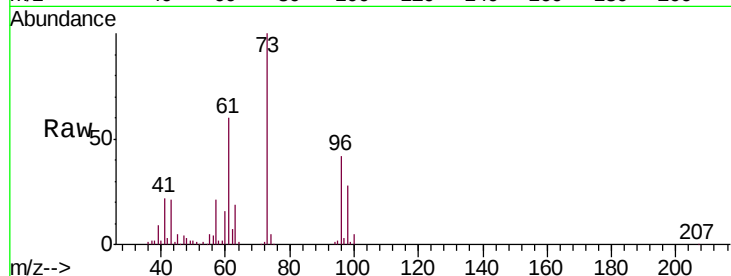




#17
Methyl tert-butyl Ether
Concen: 27.299 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

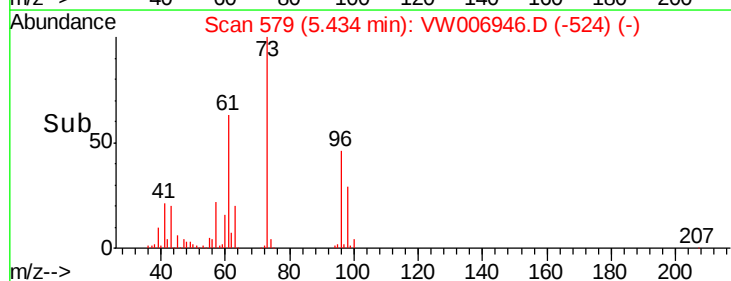
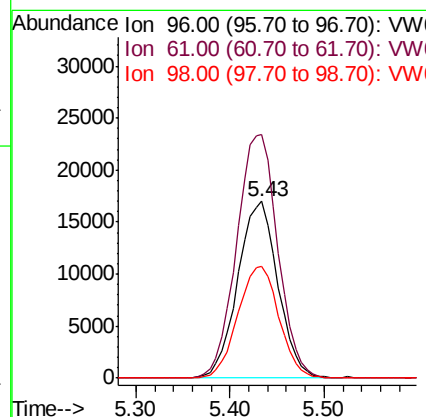
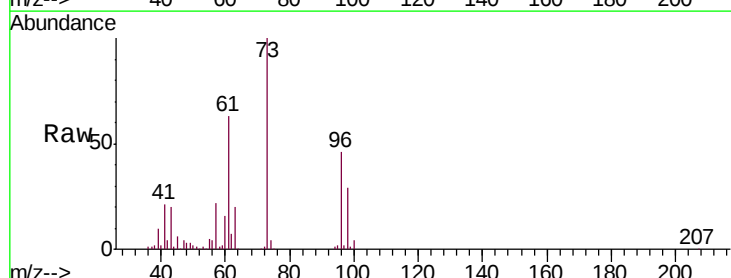
Instrument :
MSVOA_W
ClientSampled :
VSTD02595

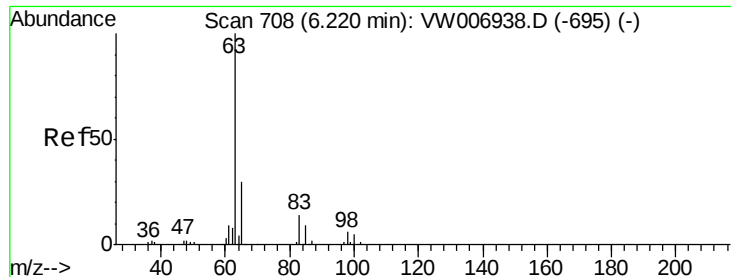
Tgt Ion: 73 Resp: 131838
Ion Ratio Lower Upper
73 100
43 20.5 15.6 23.4
57 21.9 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 24.716 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

Tgt Ion: 96 Resp: 50609
Ion Ratio Lower Upper
96 100
61 137.7 99.6 185.0
98 63.1 44.7 82.9

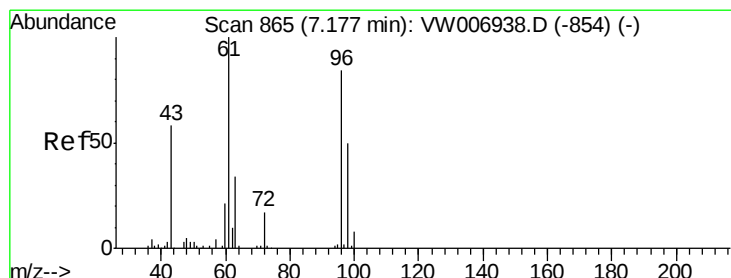
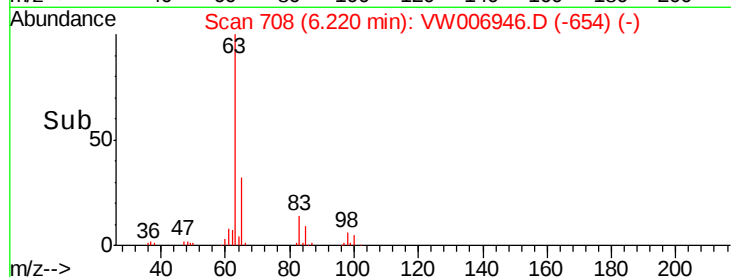
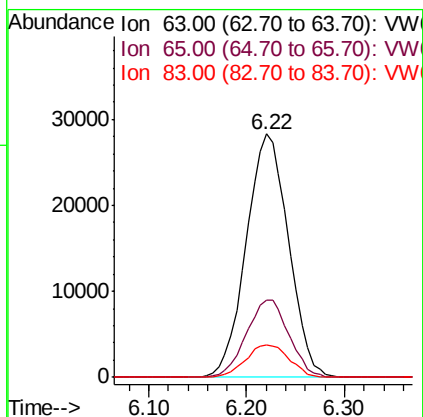
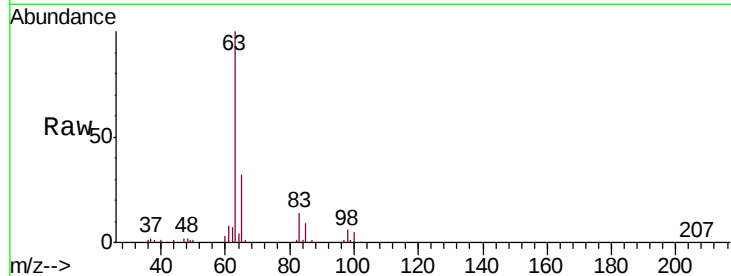




#19
 1,1-Dichloroethane
 Concen: 25.435 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

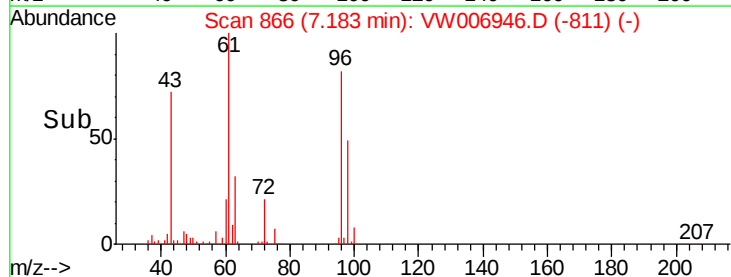
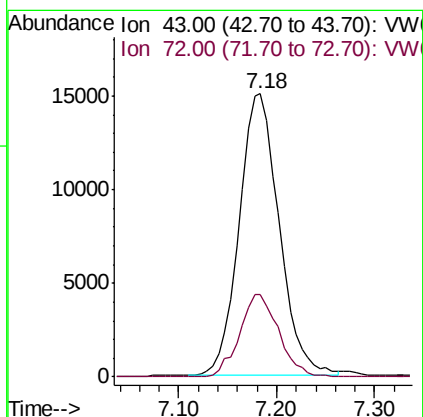
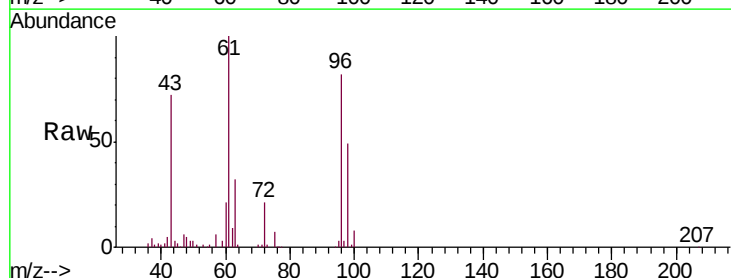
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

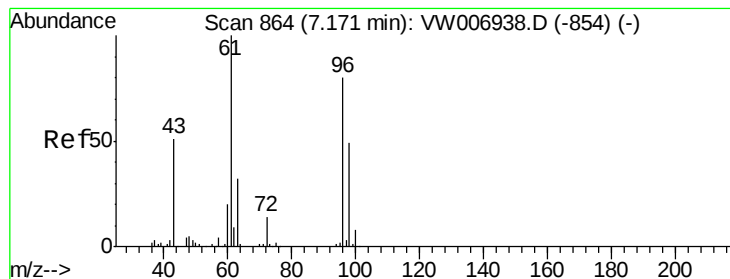
Tgt Ion: 63 Resp: 85018
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.0 41.0
 83 13.5 9.5 17.7



#21
 2-Butanone
 Concen: 50.082 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

Tgt Ion: 43 Resp: 42761
 Ion Ratio Lower Upper
 43 100
 72 28.6 13.5 40.5



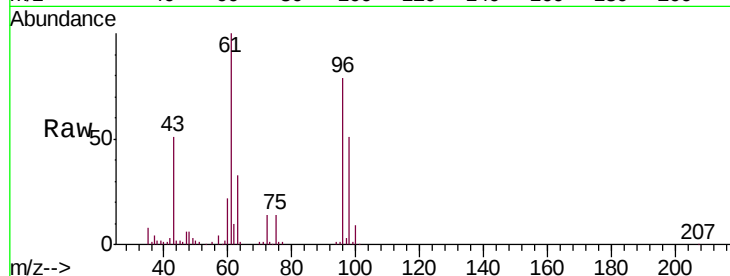


#22

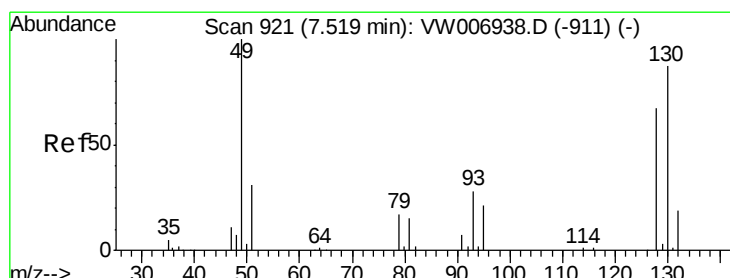
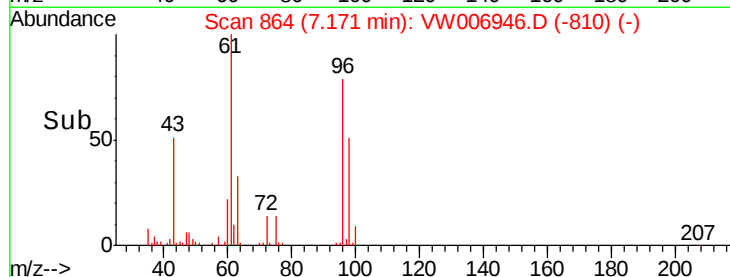
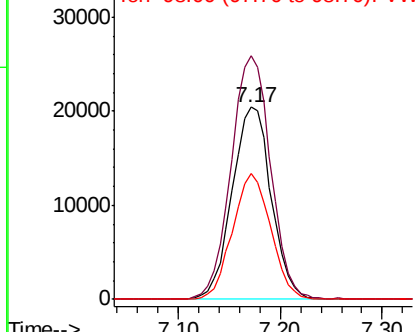
cis-1,2-Dichloroethene
Concen: 26.016 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

Tgt Ion: 96 Resp: 54395
Ion Ratio Lower Upper
96 100
61 126.6 88.1 163.7
98 65.2 43.1 80.1



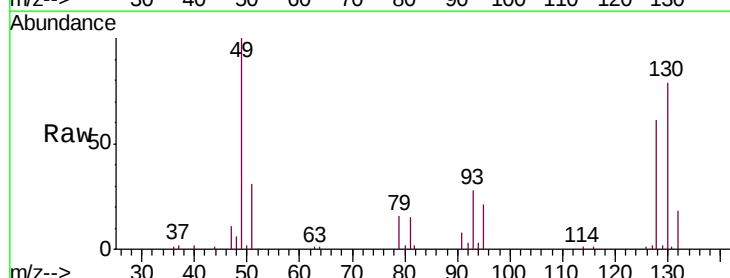
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



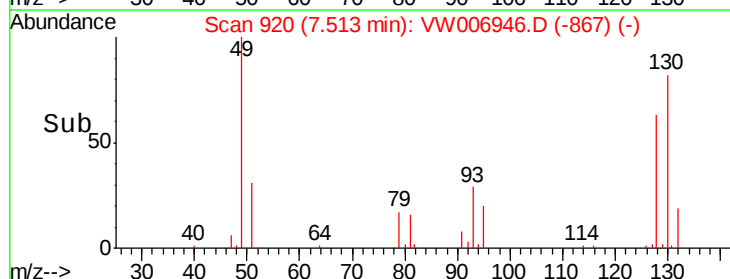
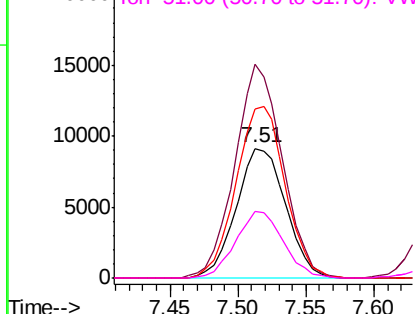
#23

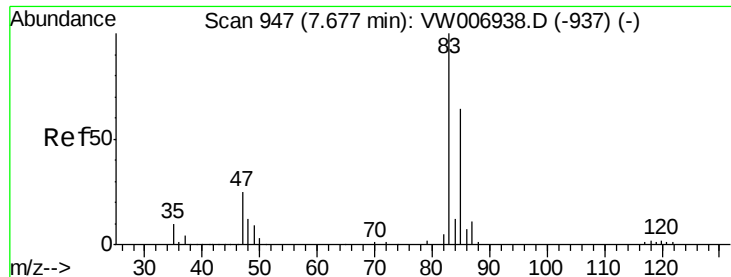
Bromochloromethane
Concen: 27.191 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

Tgt Ion: 128 Resp: 23173
Ion Ratio Lower Upper
128 100
49 164.9 114.0 211.8
130 130.4 89.7 166.7
51 51.4 42.3 63.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

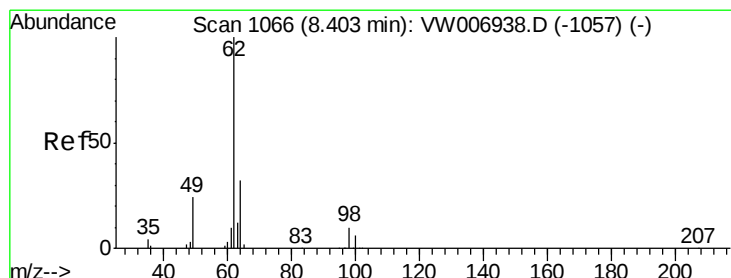
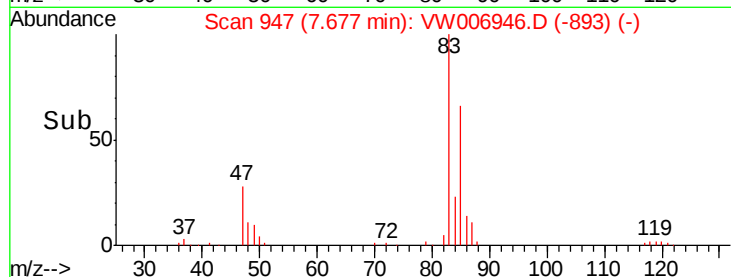
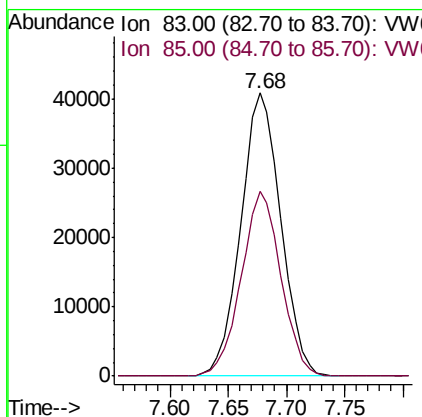
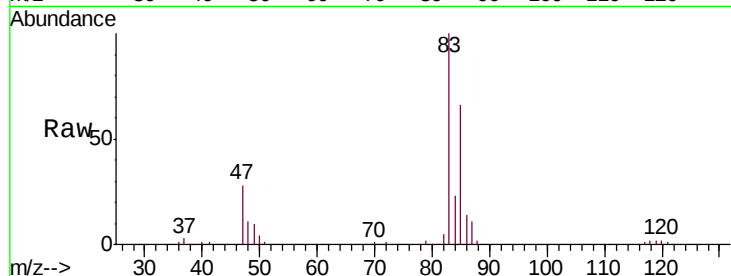




#25
Chloroform
Concen: 25.276 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

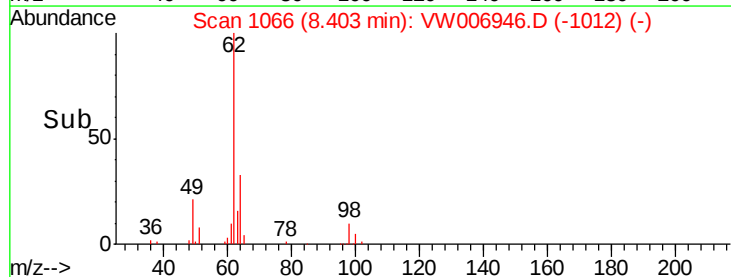
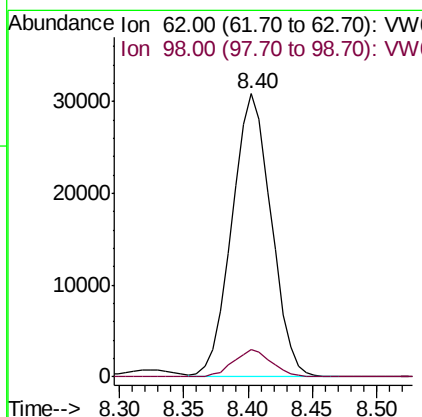
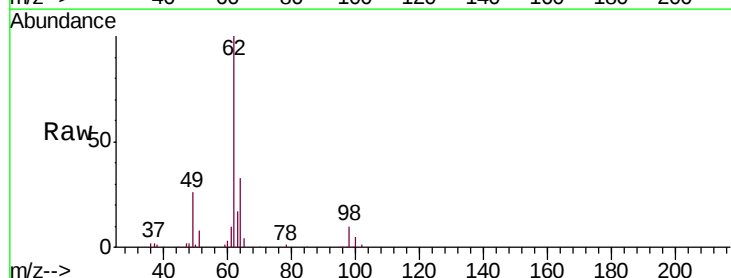
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

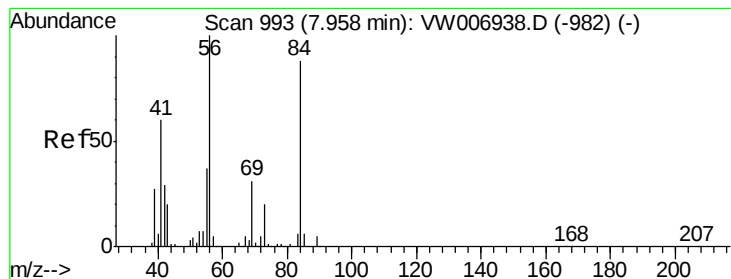
Tgt Ion: 83 Resp: 97685
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 28.667 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

Tgt Ion: 62 Resp: 65151
Ion Ratio Lower Upper
62 100
98 9.9 7.0 10.4





#30

Cyclohexane

Concen: 22.626 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

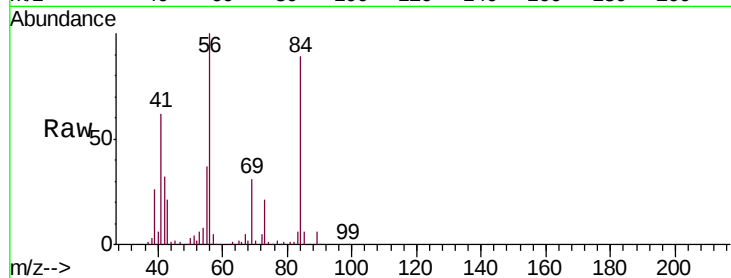
Tgt Ion: 56 Resp: 92377

Ion Ratio Lower Upper

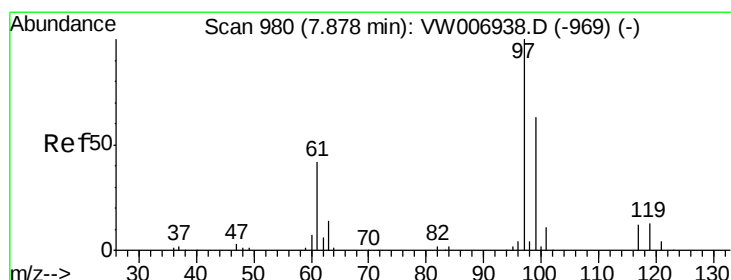
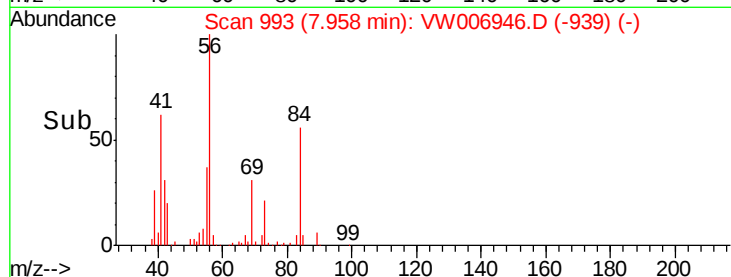
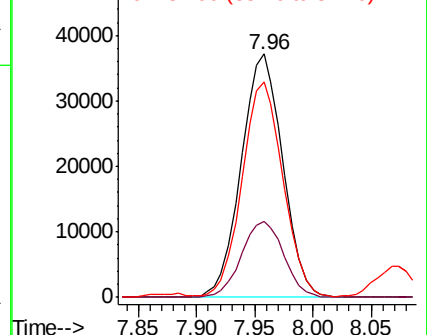
56 100

69 31.7 25.1 37.7

84 87.6 68.7 103.1



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: 24.833 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

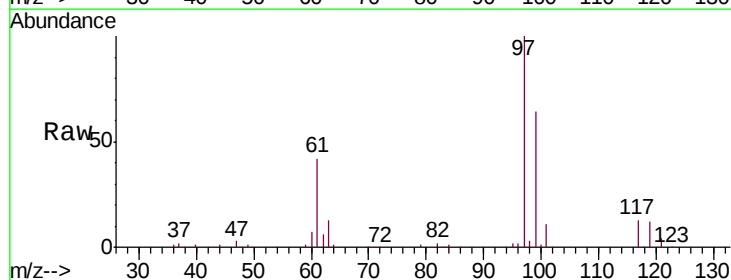
Tgt Ion: 97 Resp: 85098

Ion Ratio Lower Upper

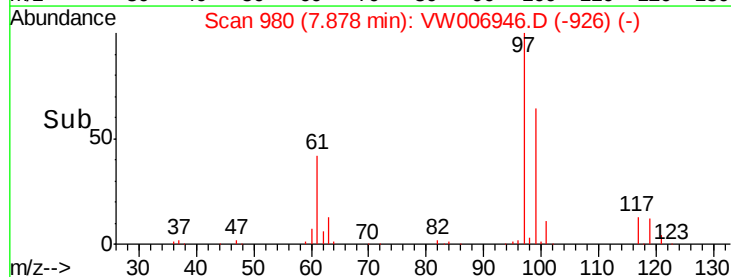
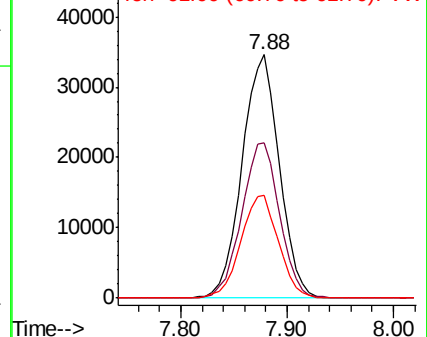
97 100

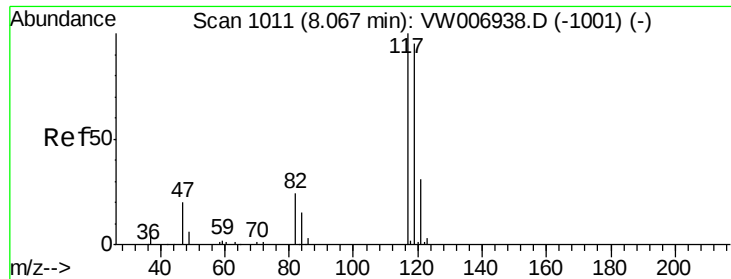
99 64.6 52.2 78.2

61 42.6 34.5 51.7



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

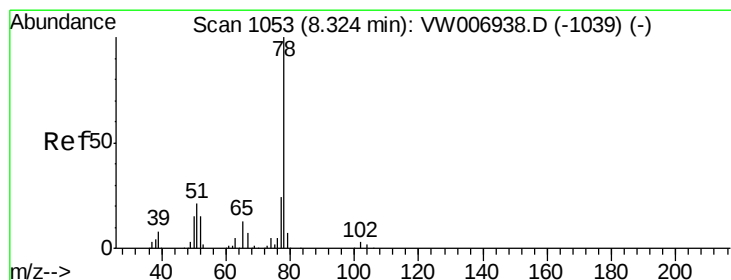
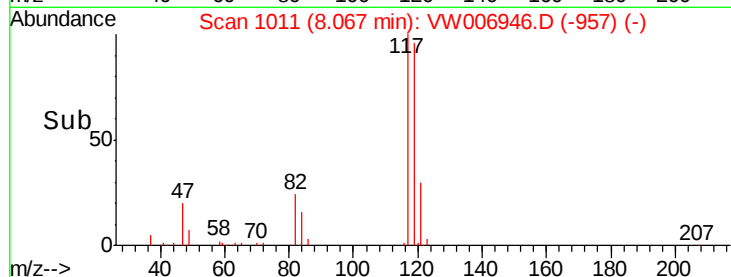
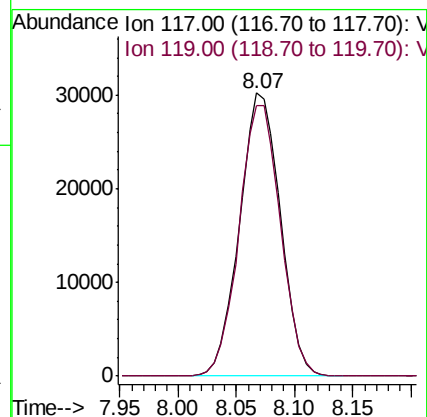
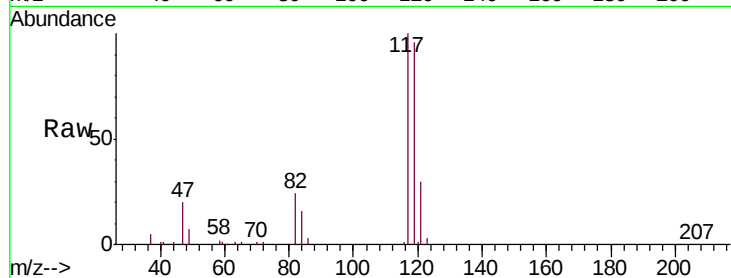




#32
Carbon tetrachloride
Concen: 24.505 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

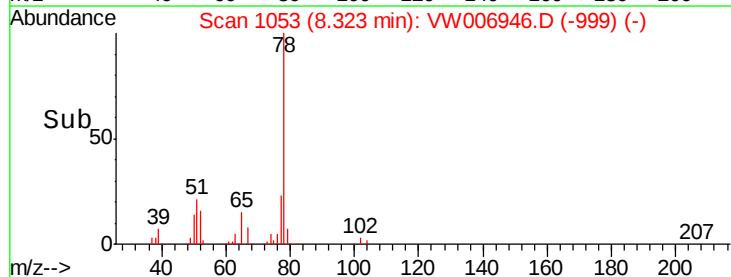
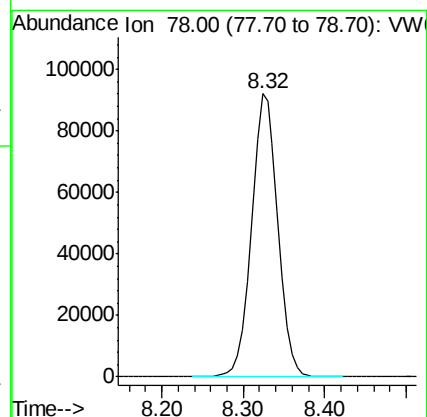
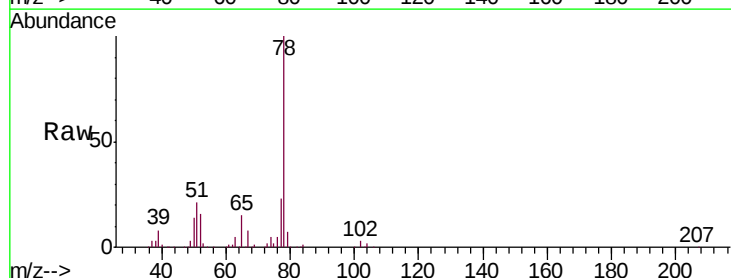
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

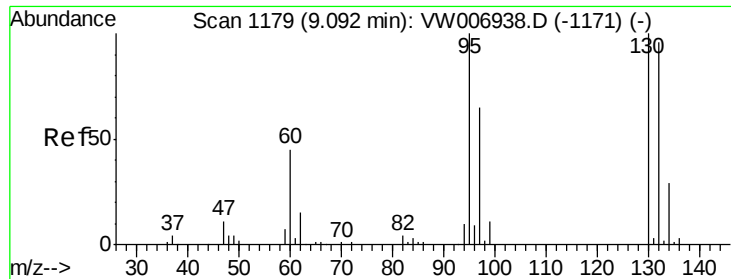
Tgt Ion:117 Resp: 73808
Ion Ratio Lower Upper
117 100
119 97.1 76.8 115.2



#34
Benzene
Concen: 23.934 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

Tgt Ion: 78 Resp: 206112





#35

Trichloroethene

Concen: 24.501 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

Tgt Ion: 95 Resp: 57470

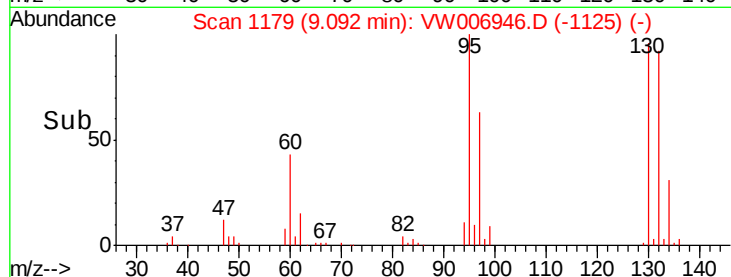
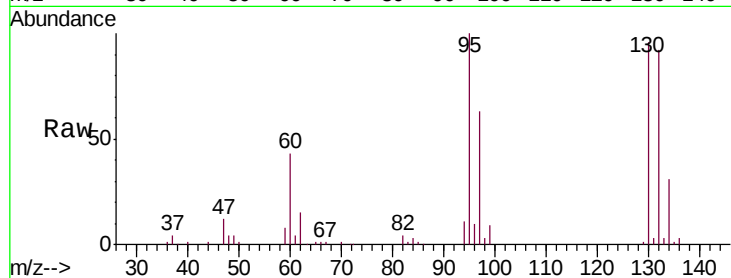
Ion Ratio Lower Upper

95 100

97 64.1 45.1 83.9

132 93.9 65.7 121.9

130 98.6 68.7 127.7

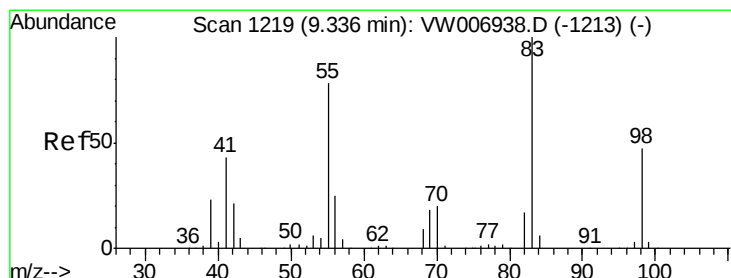
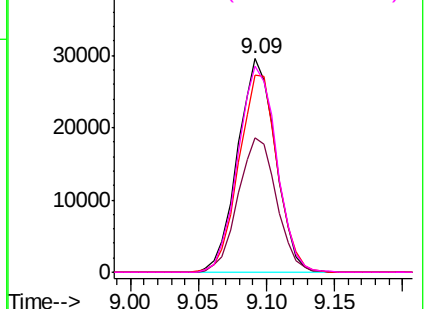


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 22.783 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

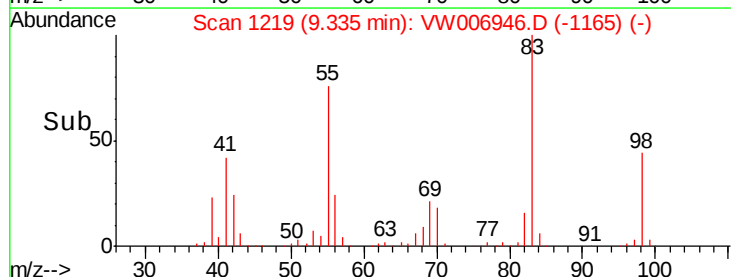
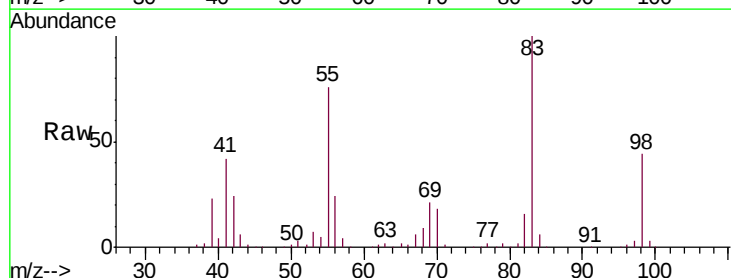
Tgt Ion: 83 Resp: 102721

Ion Ratio Lower Upper

83 100

55 76.4 60.2 90.2

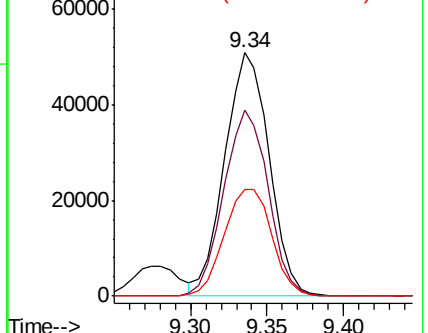
98 47.1 36.5 54.7

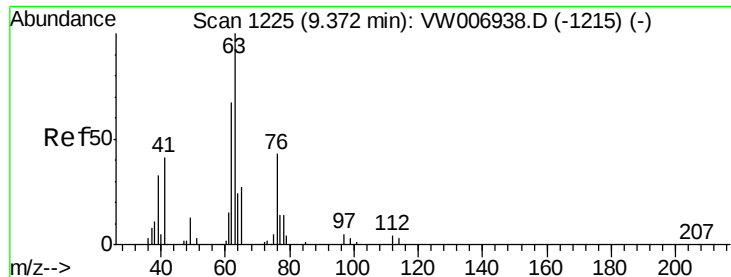


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.361 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

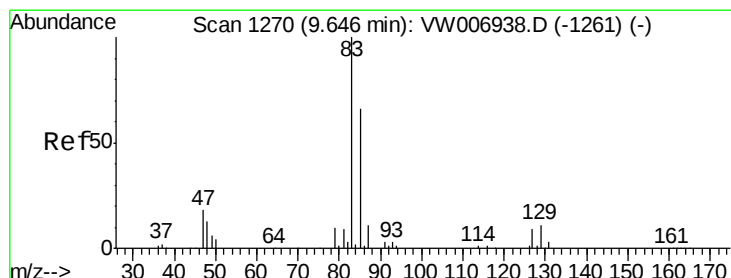
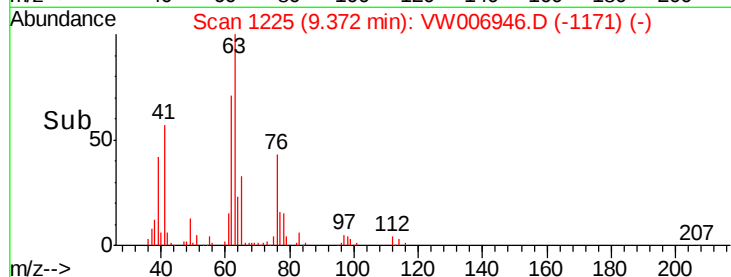
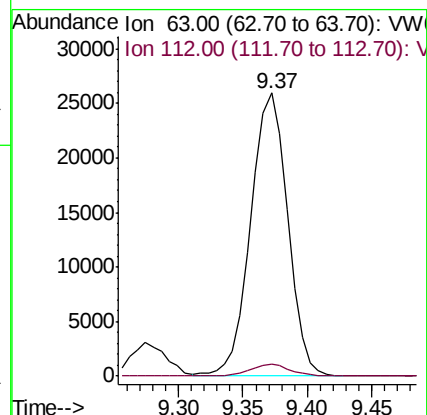
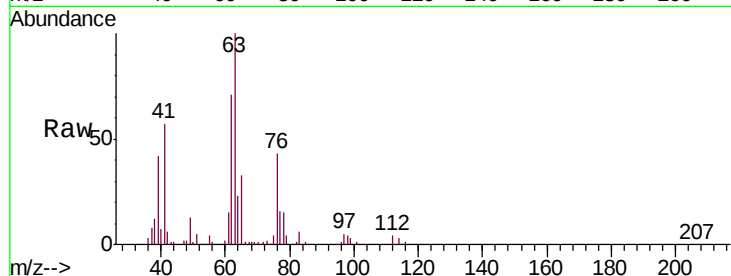
VSTD02595

Tgt Ion: 63 Resp: 51685

Ion Ratio Lower Upper

63 100

112 4.3 3.1 4.7



#41

Bromodichloromethane

Concen: 26.004 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

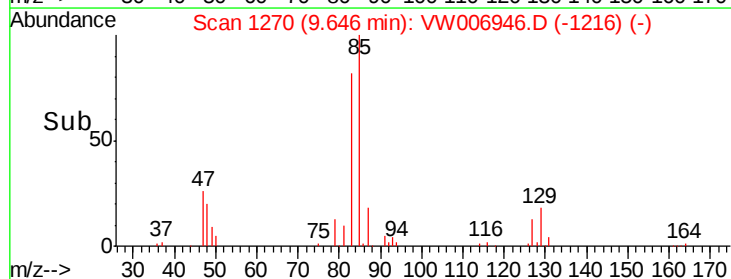
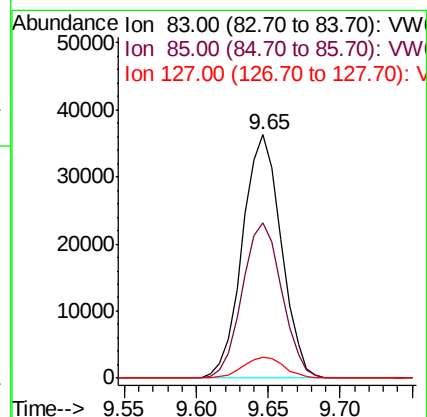
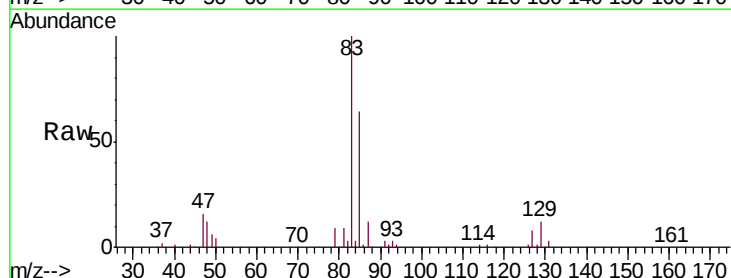
Tgt Ion: 83 Resp: 67685

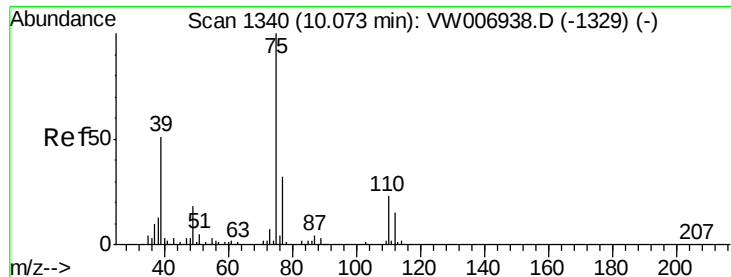
Ion Ratio Lower Upper

83 100

85 63.9 42.4 78.6

127 8.4 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 25.148 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

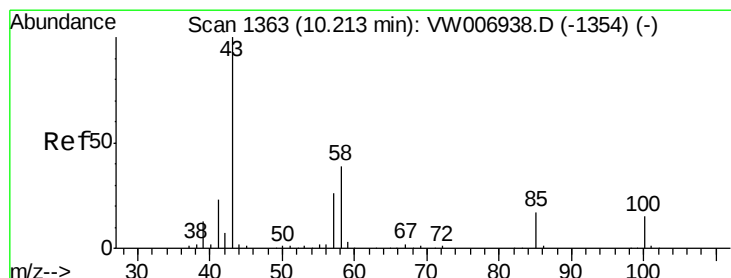
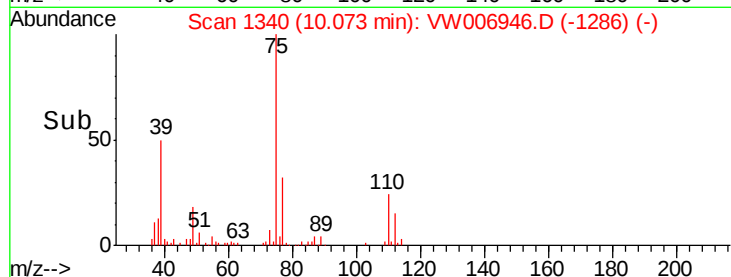
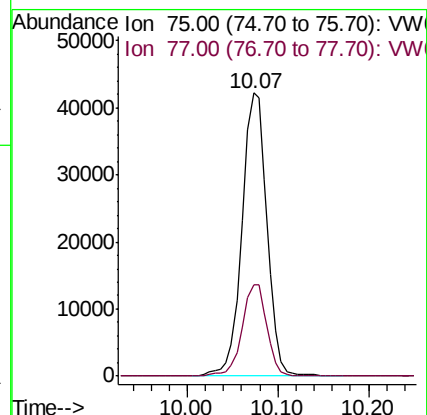
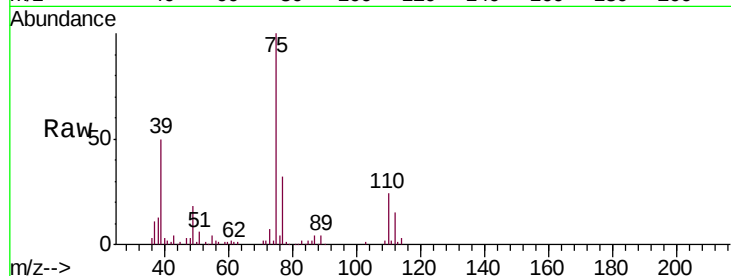
VSTD02595

Tgt Ion: 75 Resp: 80557

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 52.628 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

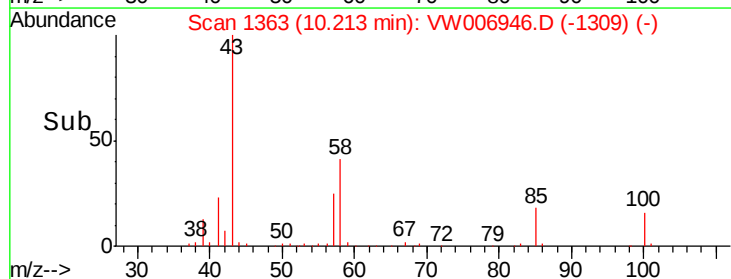
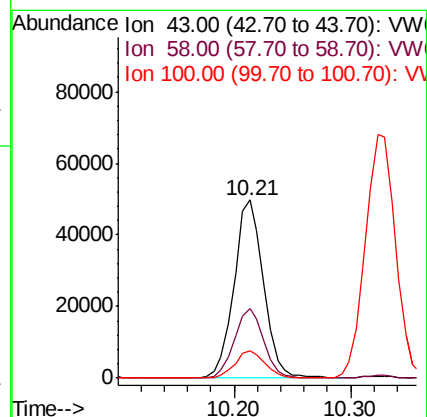
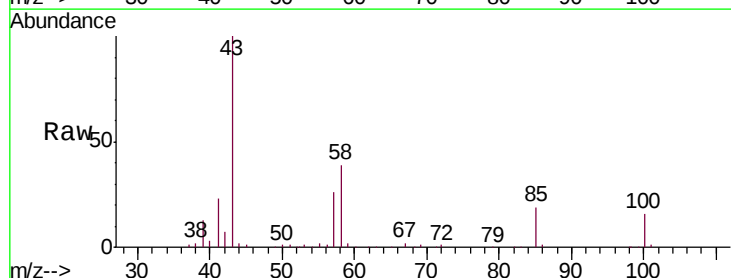
Tgt Ion: 43 Resp: 87494

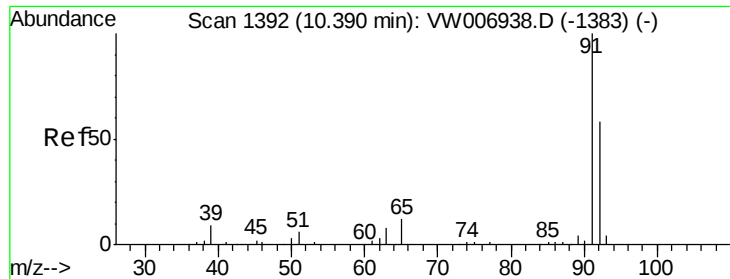
Ion Ratio Lower Upper

43 100

58 38.9 31.6 47.4

100 15.5 12.3 18.5





#44

Toluene

Concen: 24.767 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

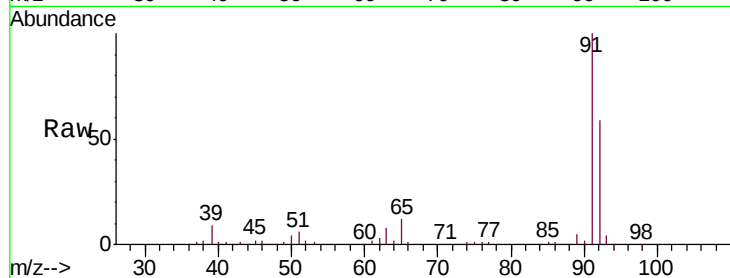
VSTD02595

Tgt Ion: 91 Resp: 244216

Ion Ratio Lower Upper

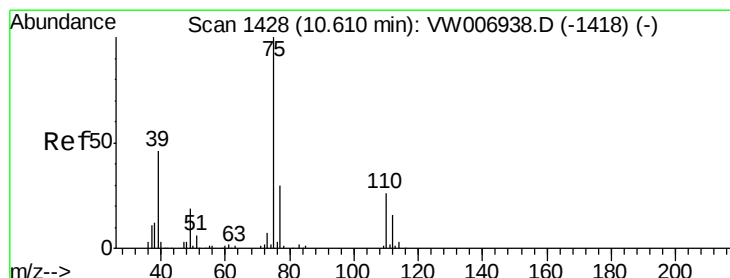
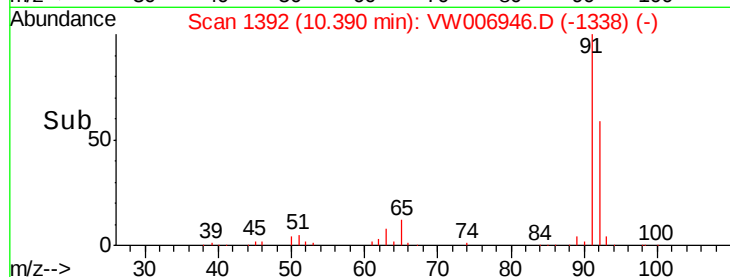
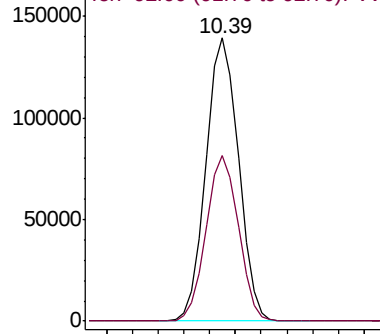
91 100

92 58.7 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 24.785 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006946.D

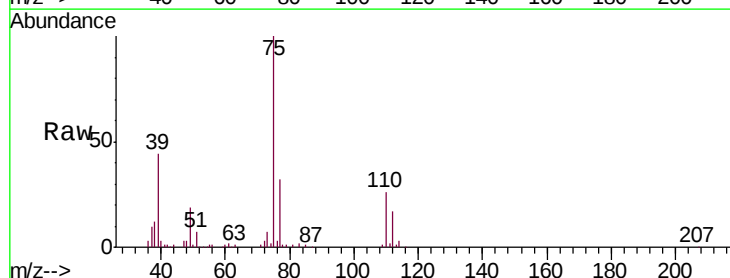
Acq: 19 Nov 2018 15:39

Tgt Ion: 75 Resp: 67095

Ion Ratio Lower Upper

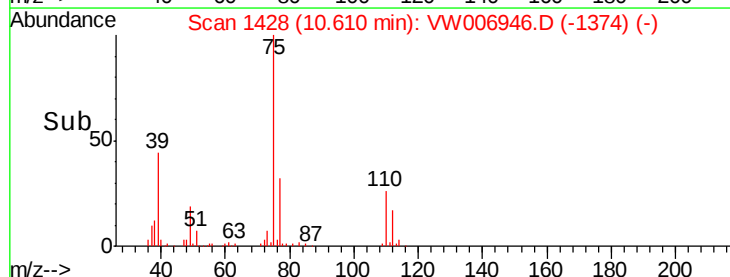
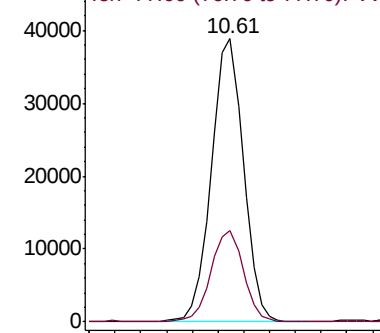
75 100

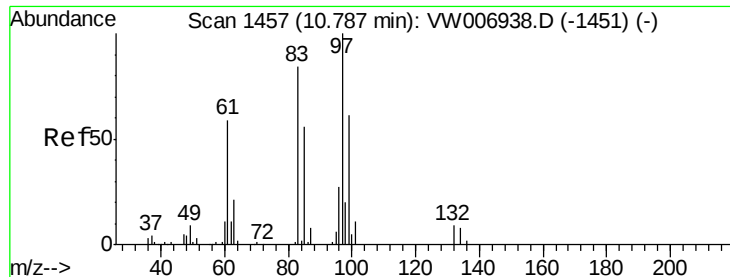
77 32.2 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

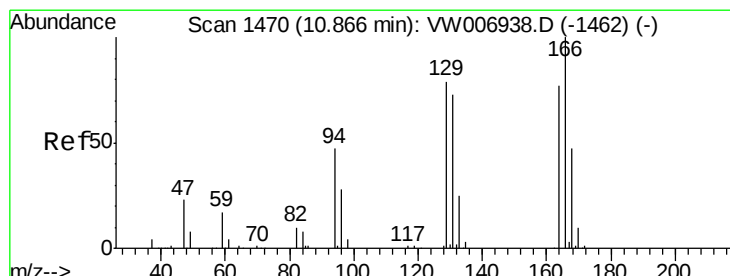
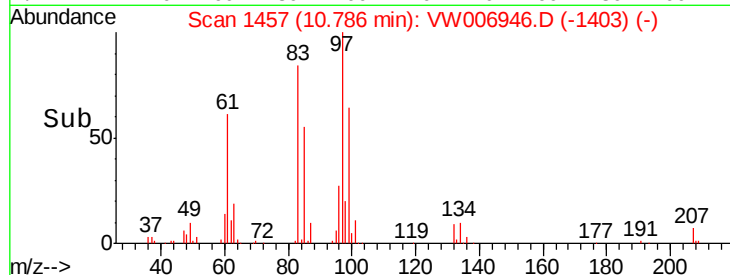
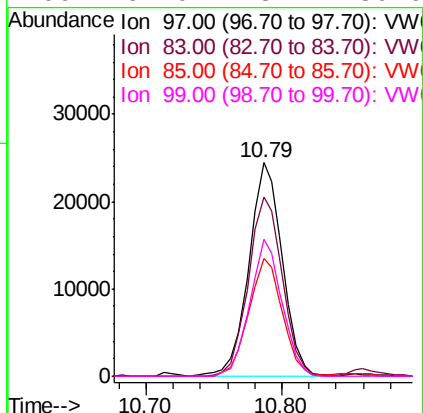
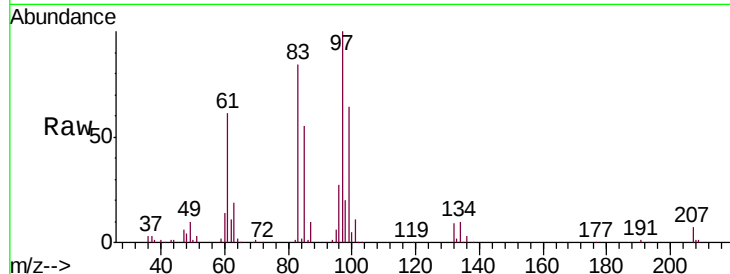




#46
 1,1,2-Trichloroethane
 Concen: 25.905 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

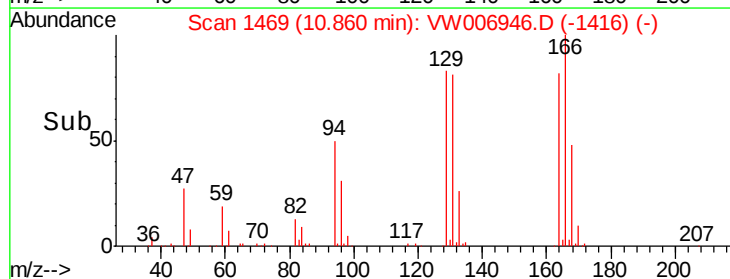
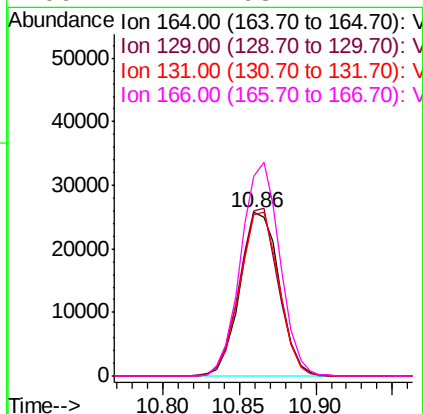
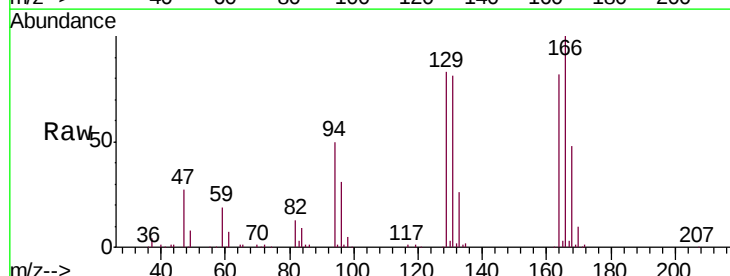
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

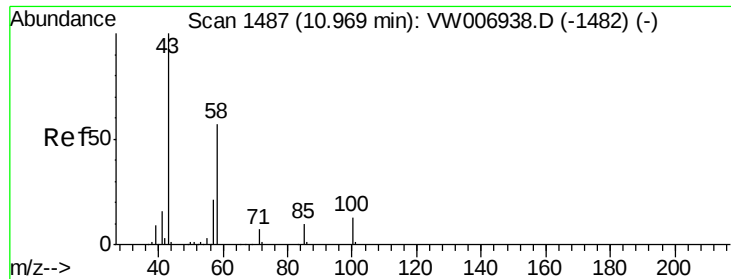
Tgt Ion:	97	Resp:	42081
Ion	Ratio	Lower	Upper
97	100		
83	83.7	59.6	110.8
85	54.9	37.7	70.1
99	64.0	43.4	80.6



#47
 Tetrachloroethene
 Concen: 25.647 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

Tgt Ion:	164	Resp:	45999
Ion	Ratio	Lower	Upper
164	100		
129	100.9	75.0	139.2
131	98.4	72.5	134.7
166	122.1	93.7	174.1

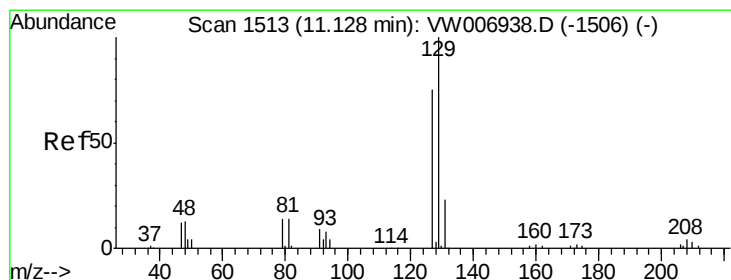
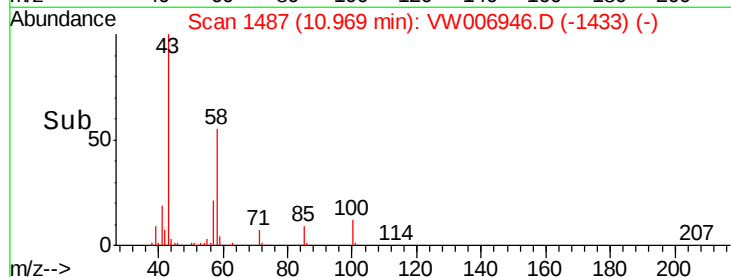
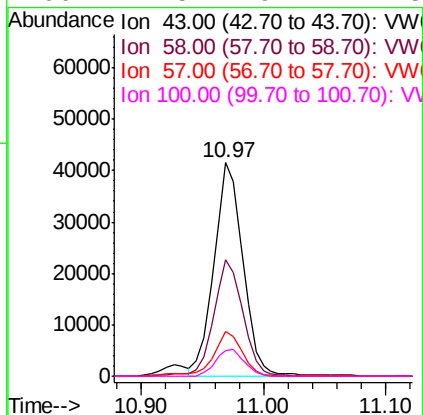
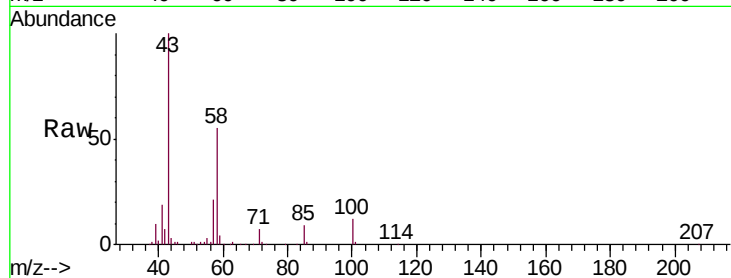




#49
2-Hexanone
Concen: 56.145 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

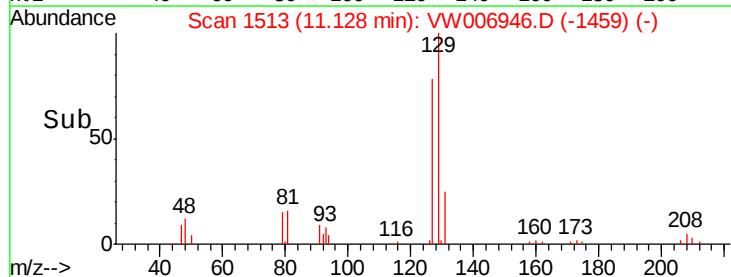
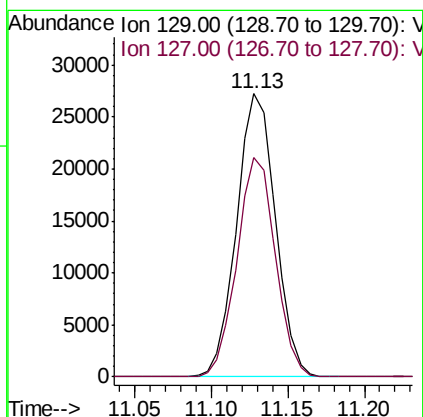
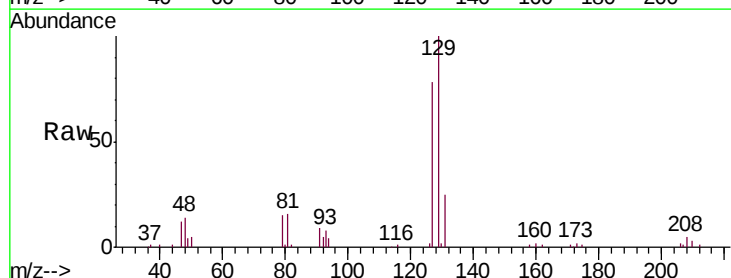
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

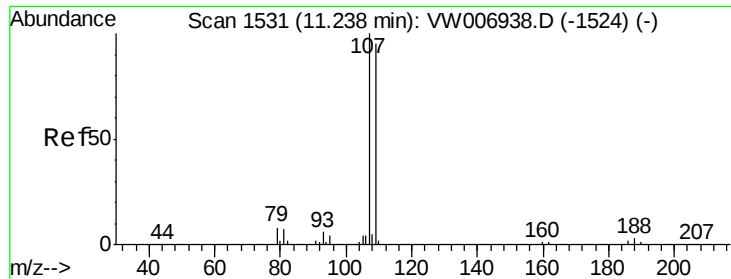
Tgt Ion: 43 Resp: 69108
Ion Ratio Lower Upper
43 100
58 54.2 44.6 67.0
57 19.6 16.0 24.0
100 12.5 9.7 14.5



#50
Dibromochloromethane
Concen: 27.389 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

Tgt Ion: 129 Resp: 48010
Ion Ratio Lower Upper
129 100
127 77.7 55.7 103.5

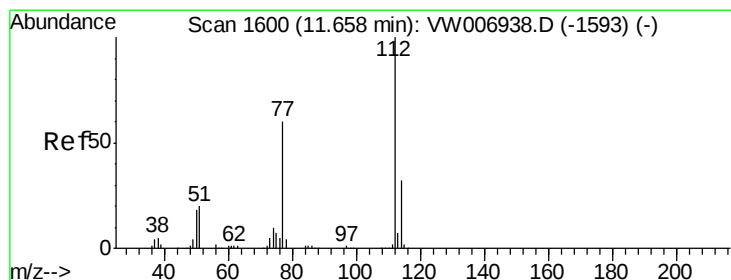
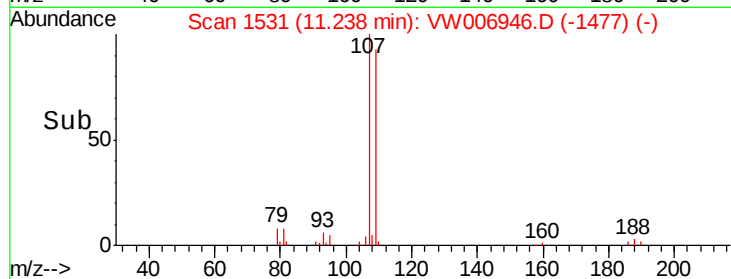
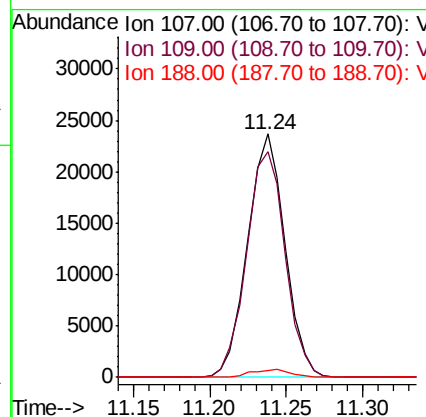
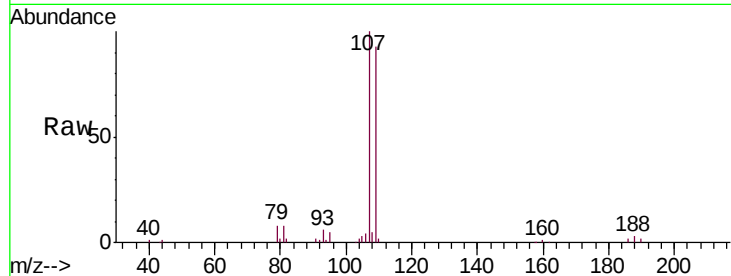




#51
 1,2-Dibromoethane
 Concen: 26.034 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

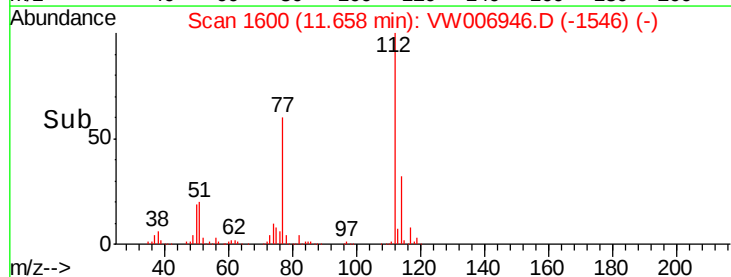
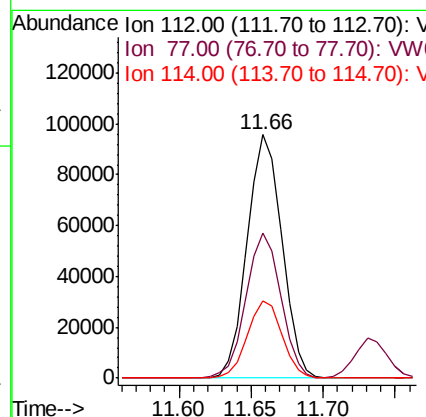
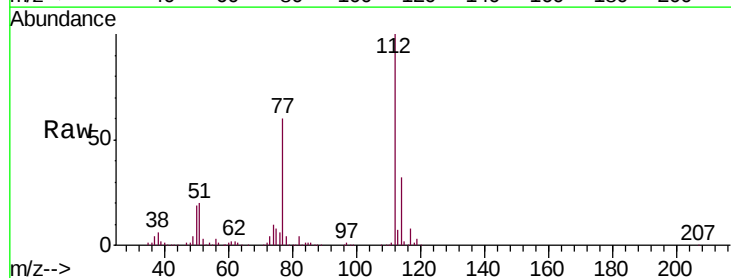
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

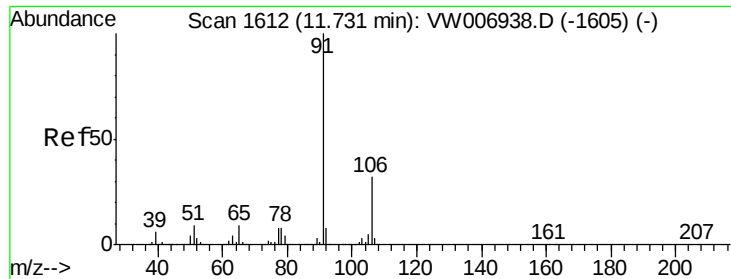
Tgt Ion:107 Resp: 40221
 Ion Ratio Lower Upper
 107 100
 109 92.6 65.4 121.4
 188 2.9 2.4 3.6



#52
 Chlorobenzene
 Concen: 25.787 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

Tgt Ion:112 Resp: 159931
 Ion Ratio Lower Upper
 112 100
 77 59.7 47.8 71.8
 114 31.8 22.3 41.5

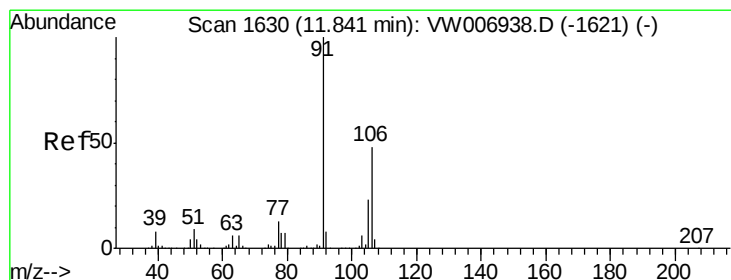
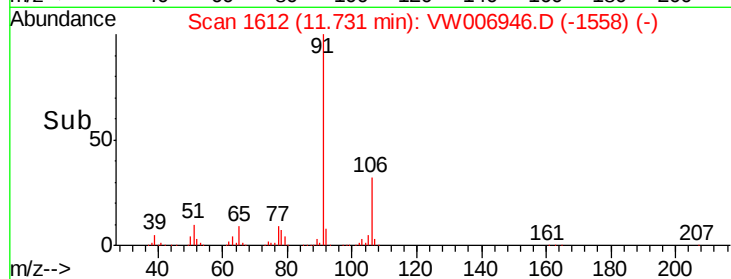
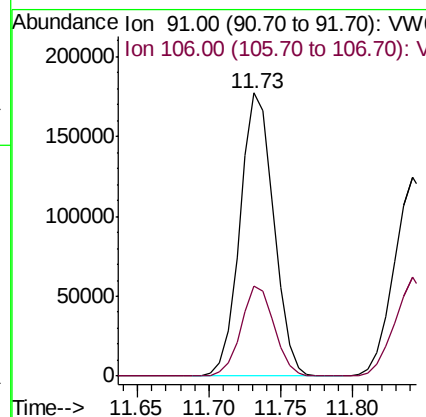
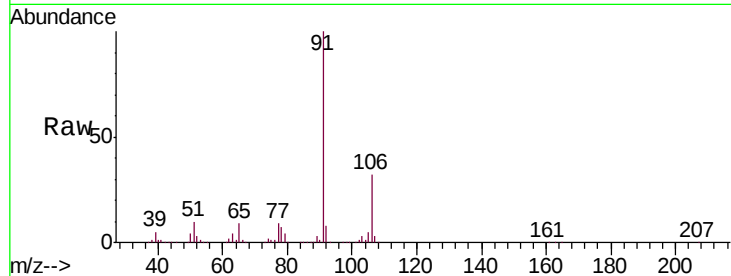




#53
Ethylbenzene
Concen: 24.538 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

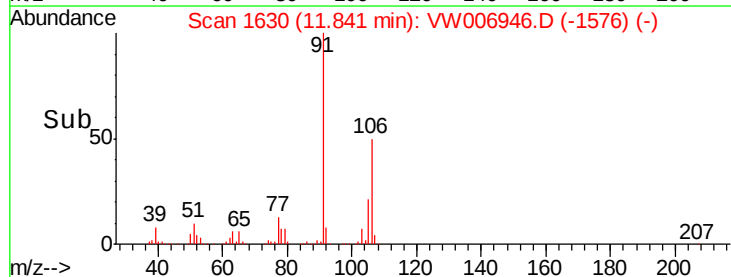
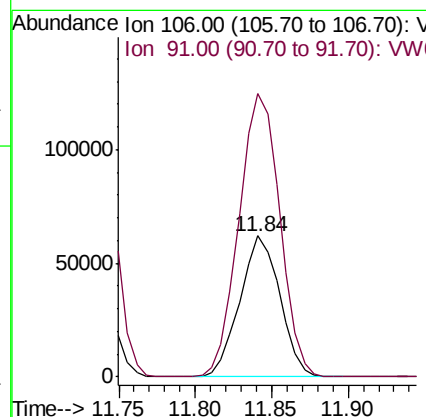
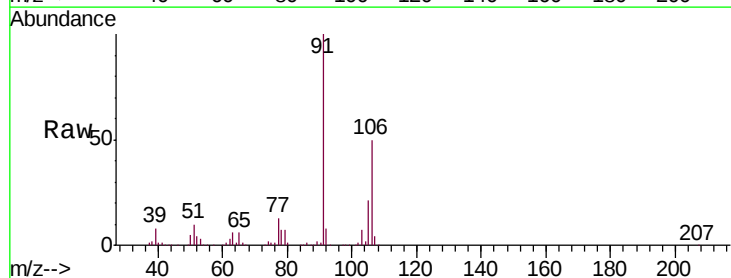
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

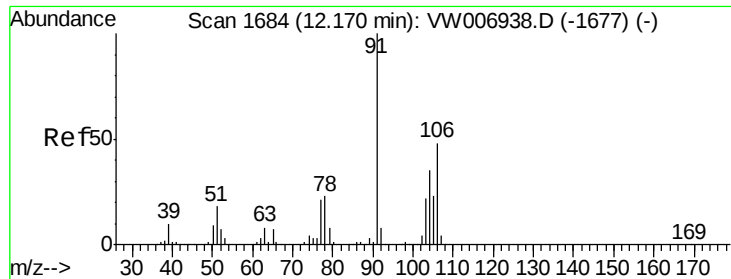
Tgt Ion: 91 Resp: 287963
Ion Ratio Lower Upper
91 100
106 31.7 21.1 39.1



#54
m,p-Xylene
Concen: 25.200 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

Tgt Ion: 106 Resp: 113106
Ion Ratio Lower Upper
106 100
91 200.7 141.5 262.9

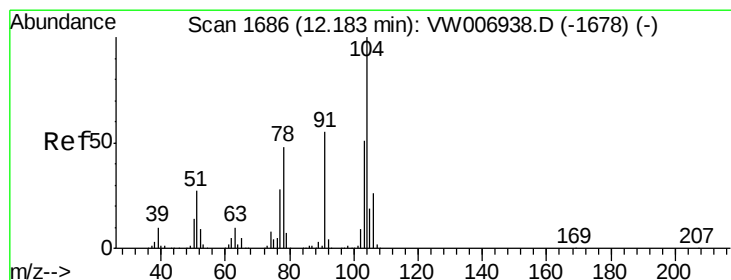
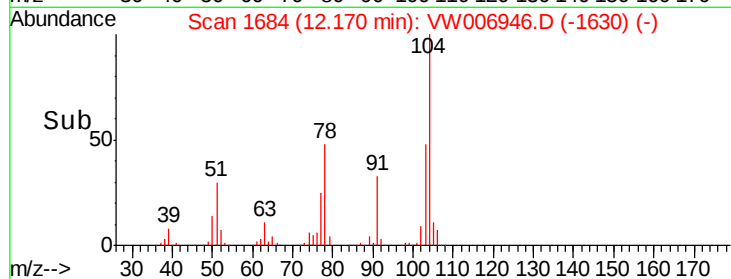
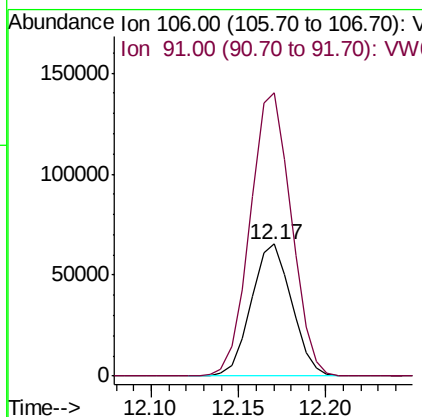
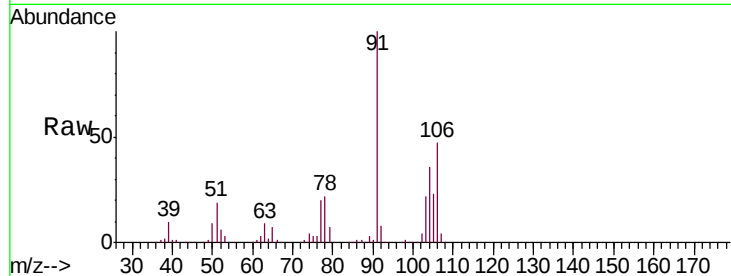




#55
o-xylene
Concen: 25.633 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

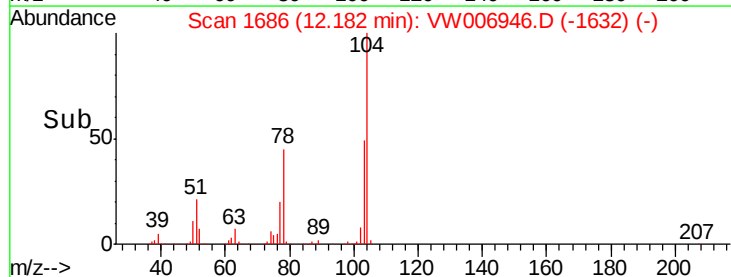
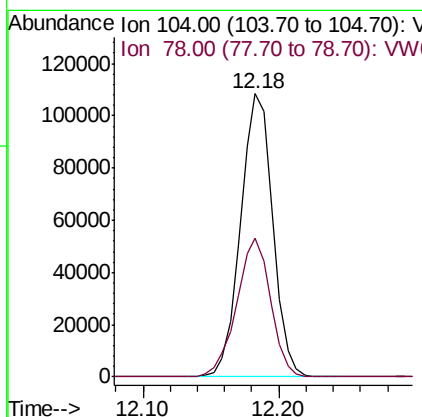
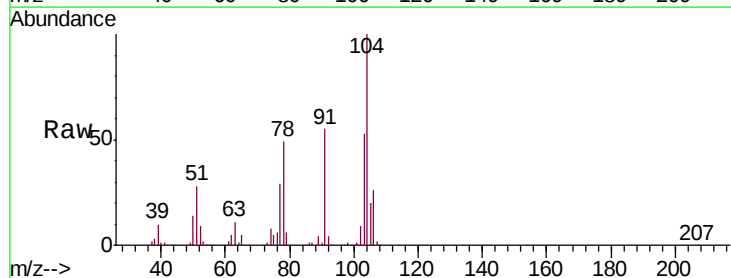
Instrument :
MSVOA_W
ClientSampled :
VSTD02595

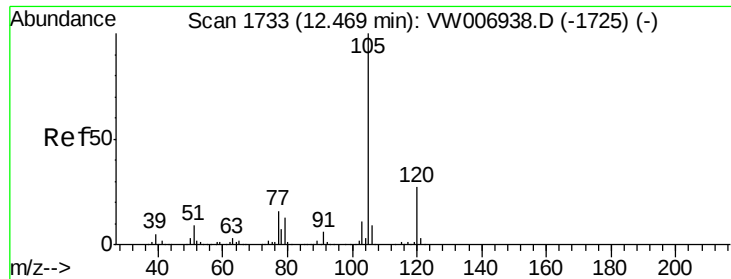
Tgt Ion:106 Resp: 105384
Ion Ratio Lower Upper
106 100
91 214.6 151.3 281.1



#56
Styrene
Concen: 26.253 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006946.D
Acq: 19 Nov 2018 15:39

Tgt Ion:104 Resp: 178919
Ion Ratio Lower Upper
104 100
78 48.9 32.8 60.8





#57

Isopropylbenzene

Concen: 25.043 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

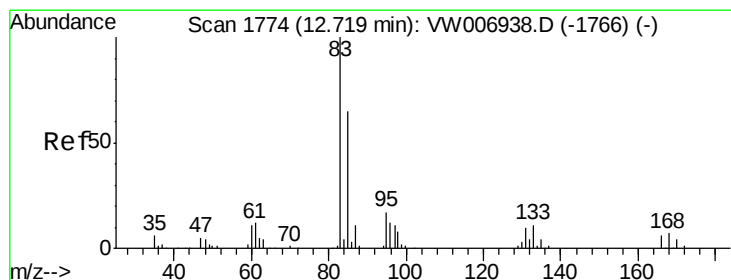
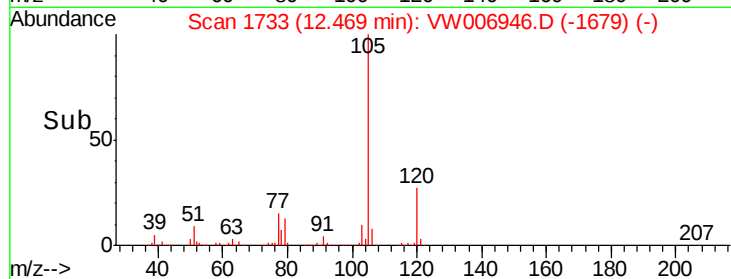
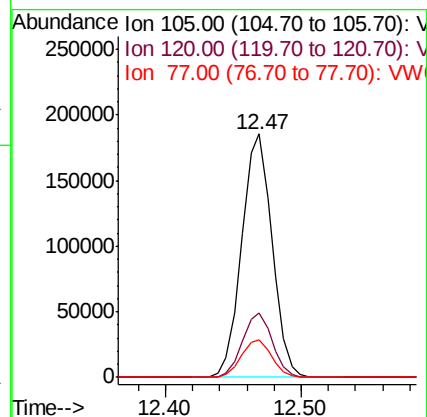
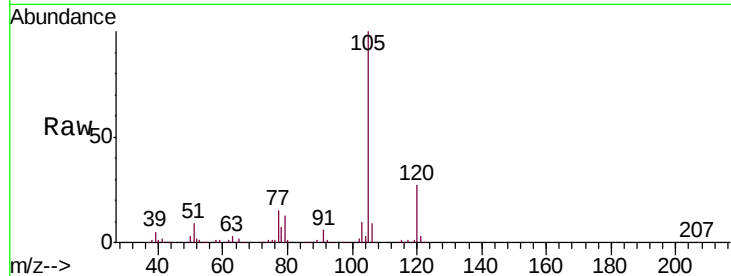
Tgt Ion: 105 Resp: 288236

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

77 15.5 12.3 18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 26.979 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

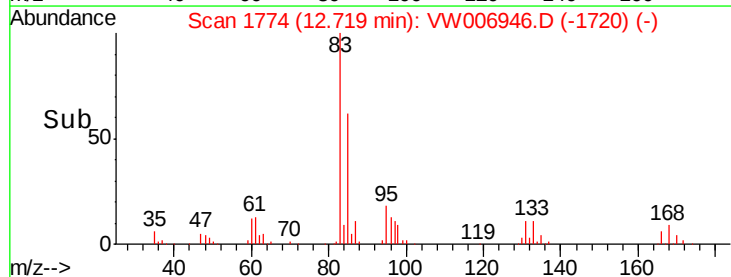
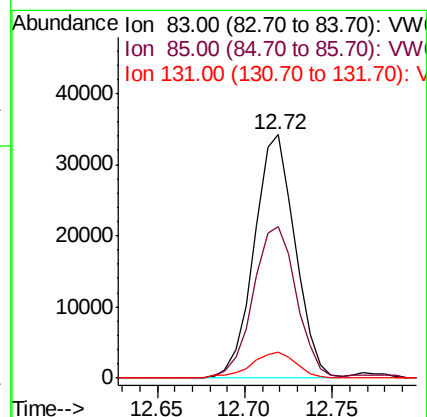
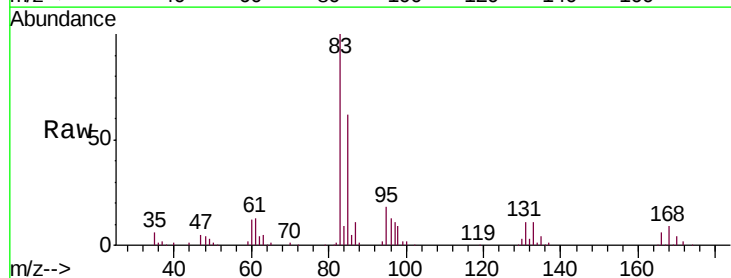
Tgt Ion: 83 Resp: 55600

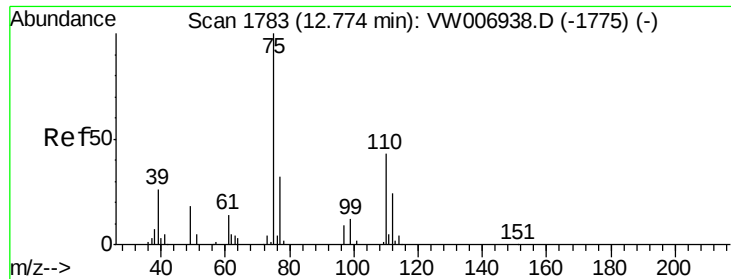
Ion Ratio Lower Upper

83 100

85 62.2 44.4 82.5

131 10.5 8.0 12.0

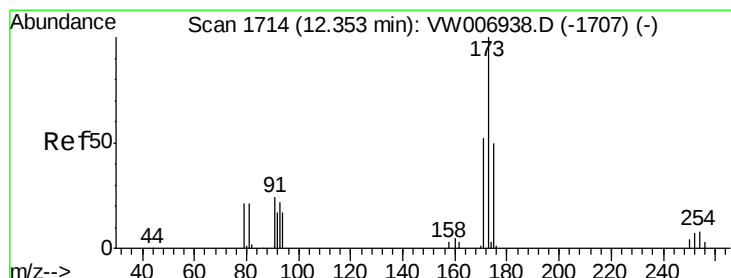
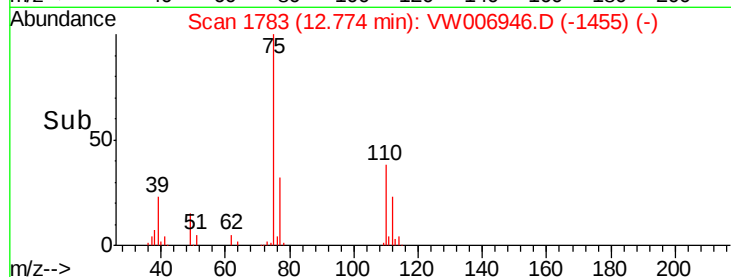
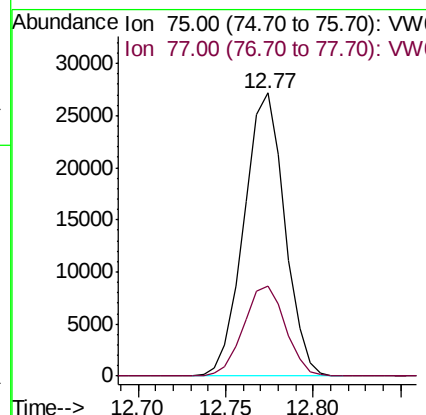
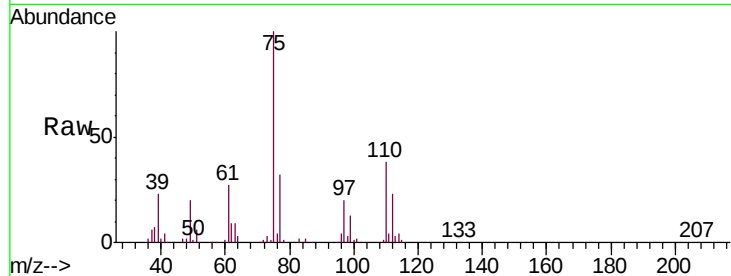




#59
 1,2,3-Trichloropropane
 Concen: 27.461 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

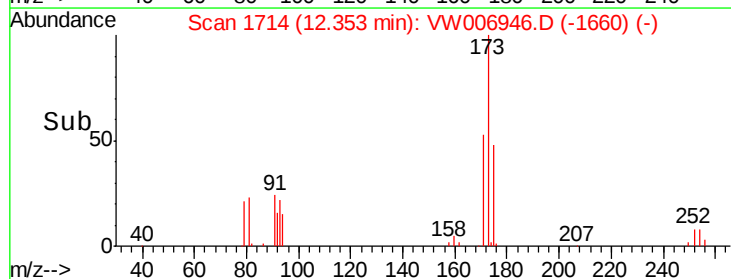
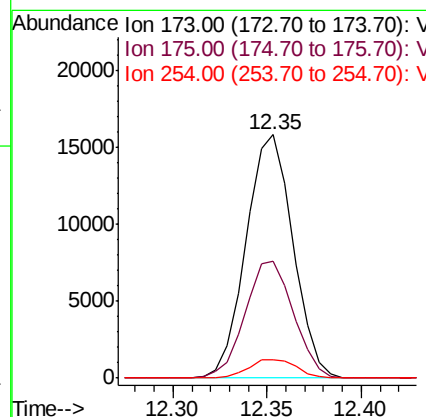
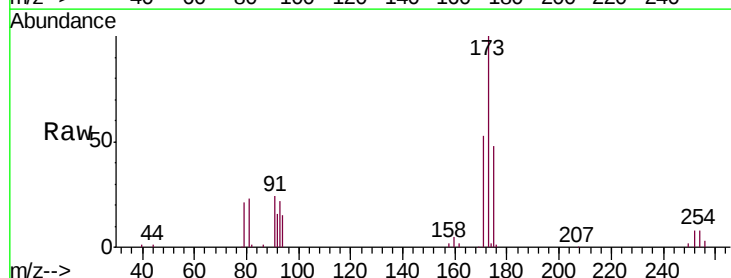
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

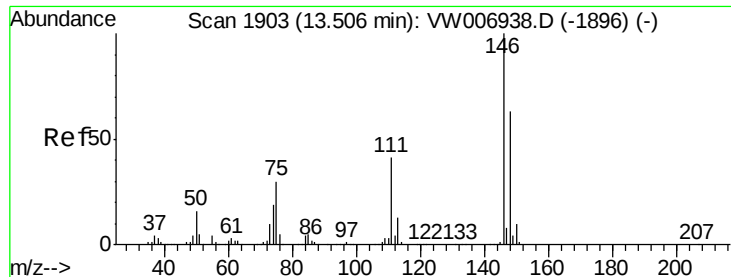
Tgt Ion: 75 Resp: 44075
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.5 39.7



#62
 Bromoform
 Concen: 28.128 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

Tgt Ion: 173 Resp: 27300
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.5 59.3
 254 7.8 6.4 9.6





#63

1,3-Dichlorobenzene

Concen: 25.859 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

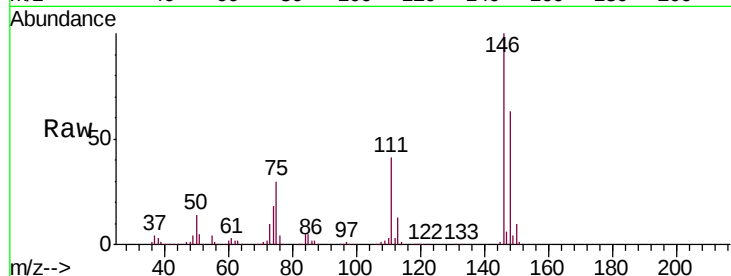
Tgt Ion:146 Resp: 129652

Ion Ratio Lower Upper

146 100

111 41.3 29.3 54.3

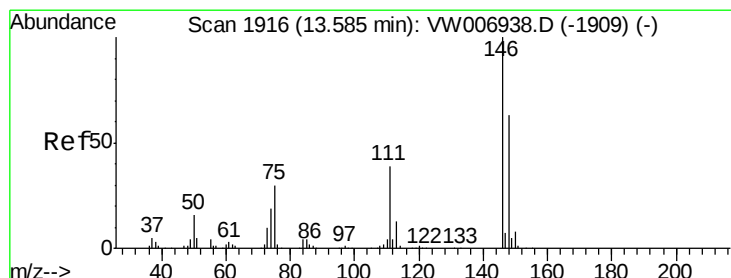
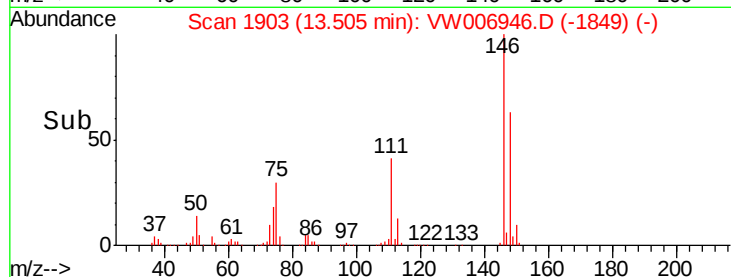
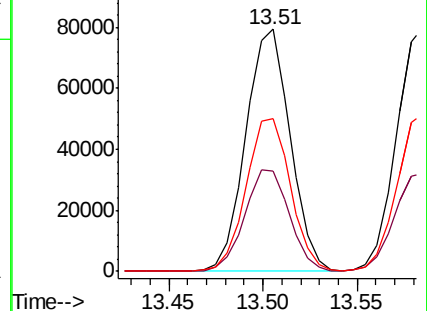
148 62.9 43.0 80.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.831 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

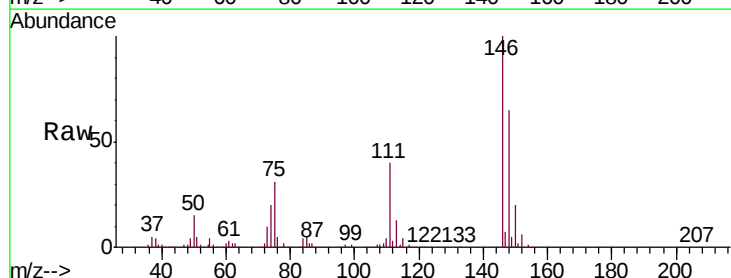
Tgt Ion:146 Resp: 129279

Ion Ratio Lower Upper

146 100

111 40.3 28.8 53.4

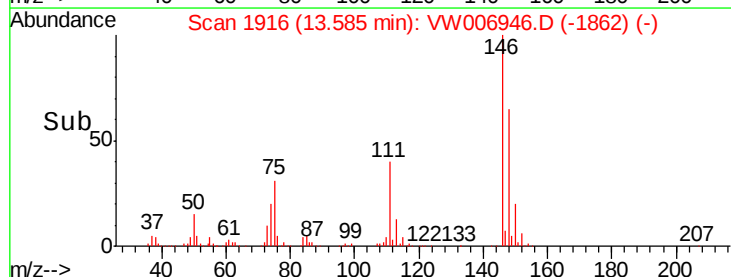
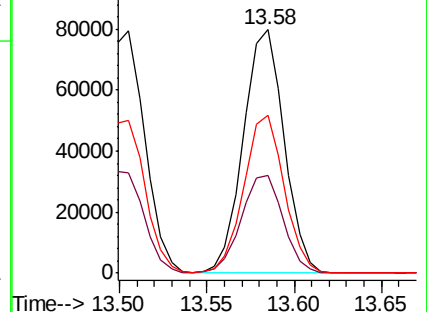
148 64.6 43.2 80.2

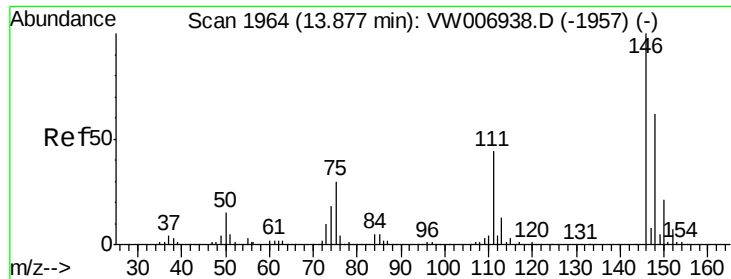


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.635 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

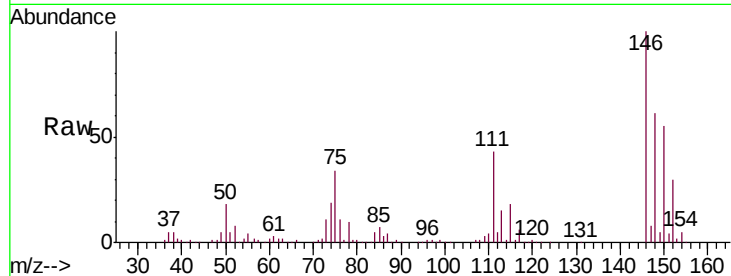
Tgt Ion:146 Resp: 120107

Ion Ratio Lower Upper

146 100

111 43.3 36.0 54.0

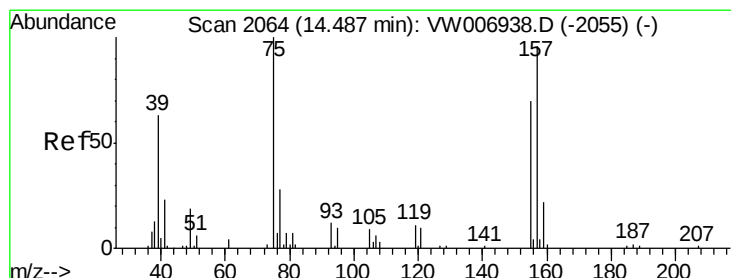
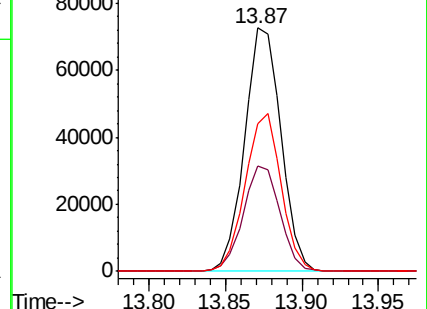
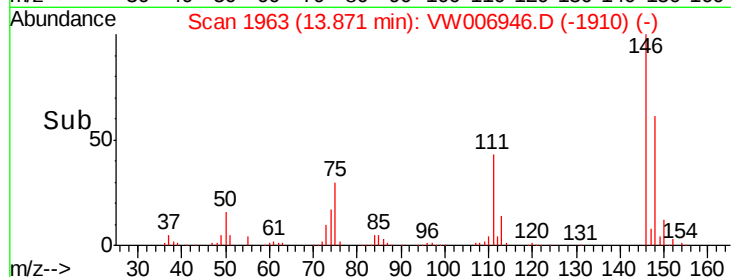
148 60.8 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 24.654 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

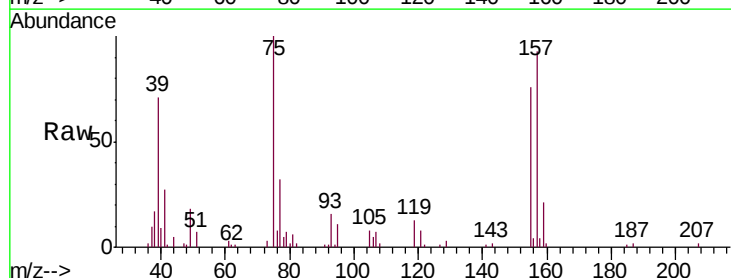
Tgt Ion: 75 Resp: 10306

Ion Ratio Lower Upper

75 100

157 93.0 85.0 127.6

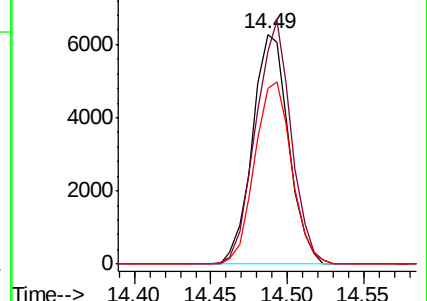
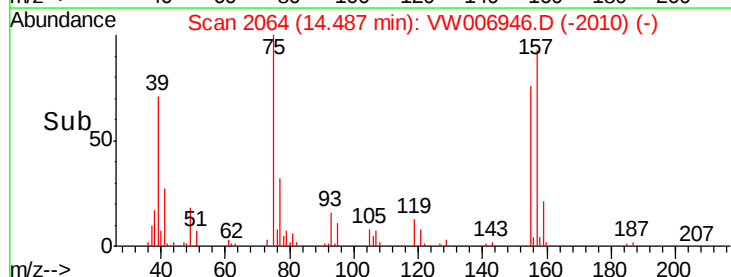
155 76.3 67.7 101.5

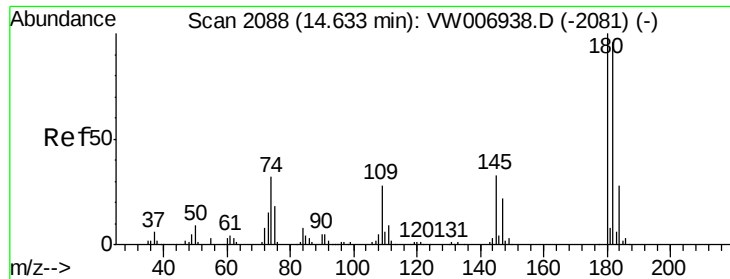


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

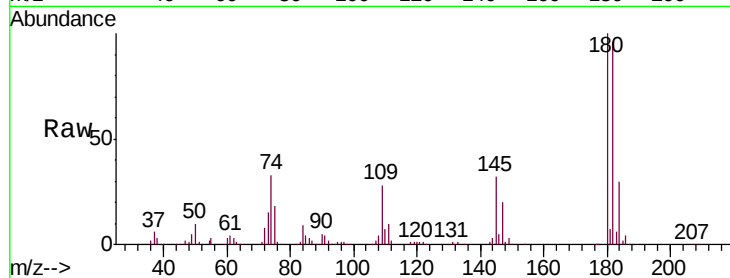




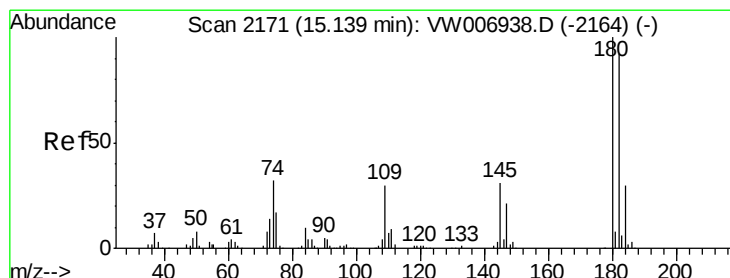
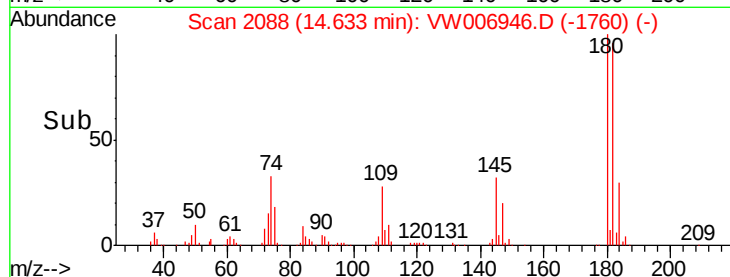
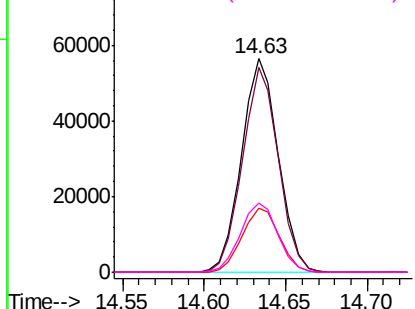
#67
 1,3,5-Trichlorobenzene
 Concen: 25.965 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

Tgt Ion:180 Resp: 88467
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.6 113.4
 184 30.5 24.2 36.4
 145 32.8 26.4 39.6

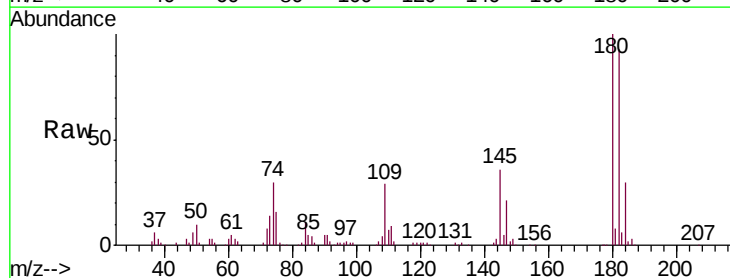


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

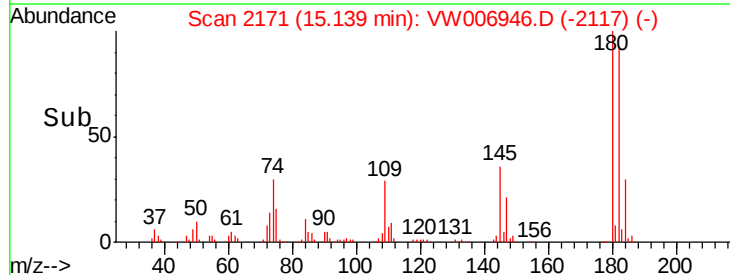
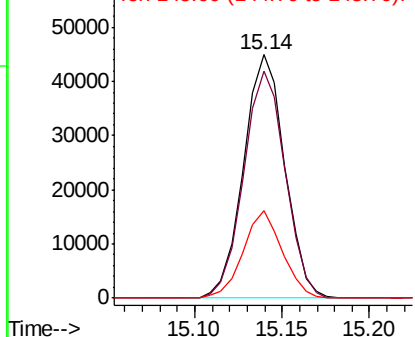


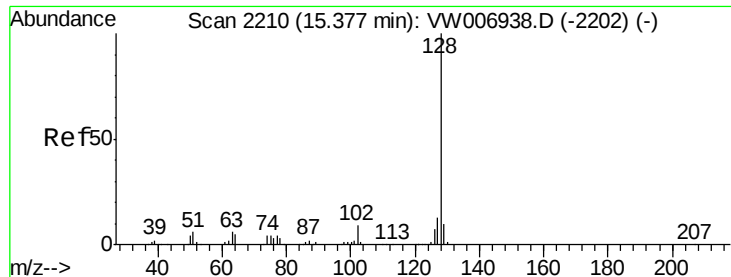
#68
 1,2,4-trichlorobenzene
 Concen: 26.475 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006946.D
 Acq: 19 Nov 2018 15:39

Tgt Ion:180 Resp: 73510
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.5 113.3
 145 34.0 27.4 41.2



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





#69

Naphthalene

Concen: 26.168 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

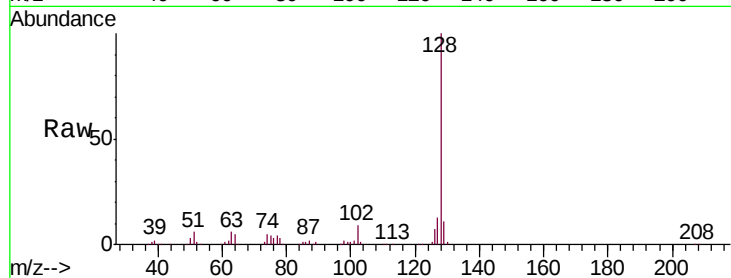
Tgt Ion:128 Resp: 174175

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

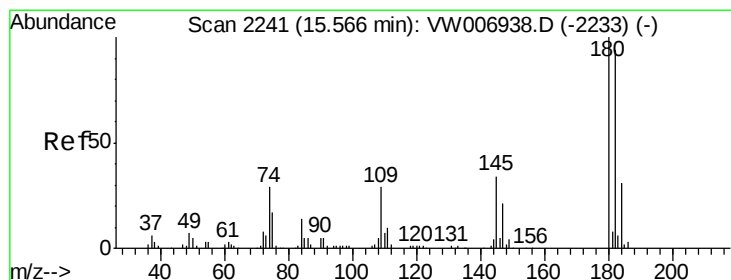
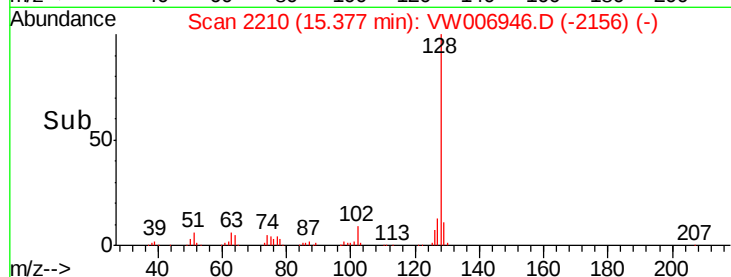
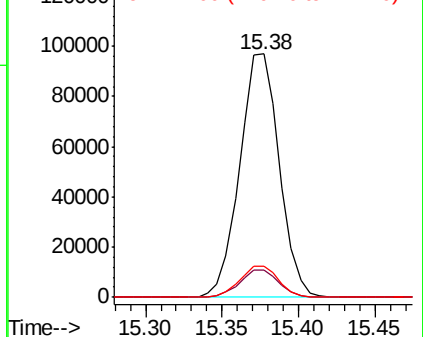
127 12.9 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.105 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006946.D

Acq: 19 Nov 2018 15:39

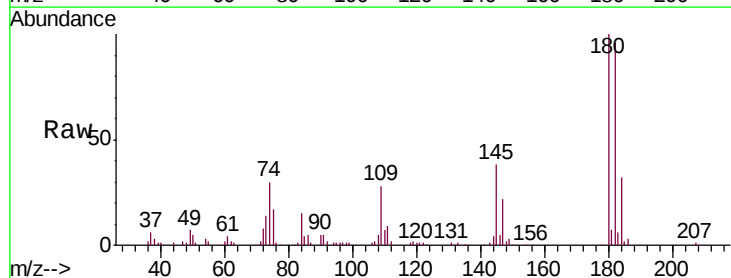
Tgt Ion:180 Resp: 66908

Ion Ratio Lower Upper

180 100

182 93.0 75.8 113.6

145 35.9 28.8 43.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

