

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102818\
 Data File : VW006420.D
 Acq On : 26 Oct 2018 21:31
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Oct 26 23:50:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 26 23:43:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	281225	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	261550	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	141879	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	95026	29.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.84%
7) Chloroethane-d5	2.90	69	85706	31.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	125.60%
10) 1,1-Dichloroethene-d2	4.02	63	172431	28.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	113.24%#
20) 2-Butanone-d5	7.09	46	60750	57.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.58%
24) Chloroform-d	7.65	84	169143	27.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.08%
26) 1,2-Dichloroethane-d4	8.31	65	94784	28.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.48%
29) Benzene-d6	8.27	84	336875	28.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.48%
33) 1,2-Dichloropropane-d6	9.28	67	96165	26.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.32%
37) Toluene-d8	10.33	98	338820	28.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.12%
38) trans-1,3-Dichloropropene-	10.58	79	42431	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.44%
39) 2-Hexanone-d5	10.93	63	50639	58.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.96%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	103762	29.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	136608	28.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	82111	30.892	ug/L 92
3) Chloromethane	2.22	50	74500	28.541	ug/L 97
5) Vinyl chloride	2.37	62	113717	27.030	ug/L 96
6) Bromomethane	2.79	94	83933	25.621	ug/L 99
8) Chloroethane	2.93	64	72783	28.225	ug/L 98
9) Trichlorofluoromethane	3.26	101	104014	30.904	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	100263	29.796	ug/L 99
12) 1,1-Dichloroethene	4.04	96	89461	27.707	ug/L 87
13) Acetone	4.15	43	54974	51.762	ug/L 99
14) Carbon disulfide	4.38	76	250976	23.778	ug/L 99
15) Methyl Acetate	4.68	43	48766	28.348	ug/L 97
16) Methylene chloride	4.91	84	88872	24.477	ug/L 91
17) Methyl tert-butyl Ether	5.43	73	136274	25.928	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	93521	26.162	ug/L 96
19) 1,1-Dichloroethane	6.22	63	149853	25.905	ug/L 99
21) 2-Butanone	7.18	43	69250	49.071	ug/L 94
22) cis-1,2-Dichloroethene	7.17	96	100220	25.702	ug/L 97

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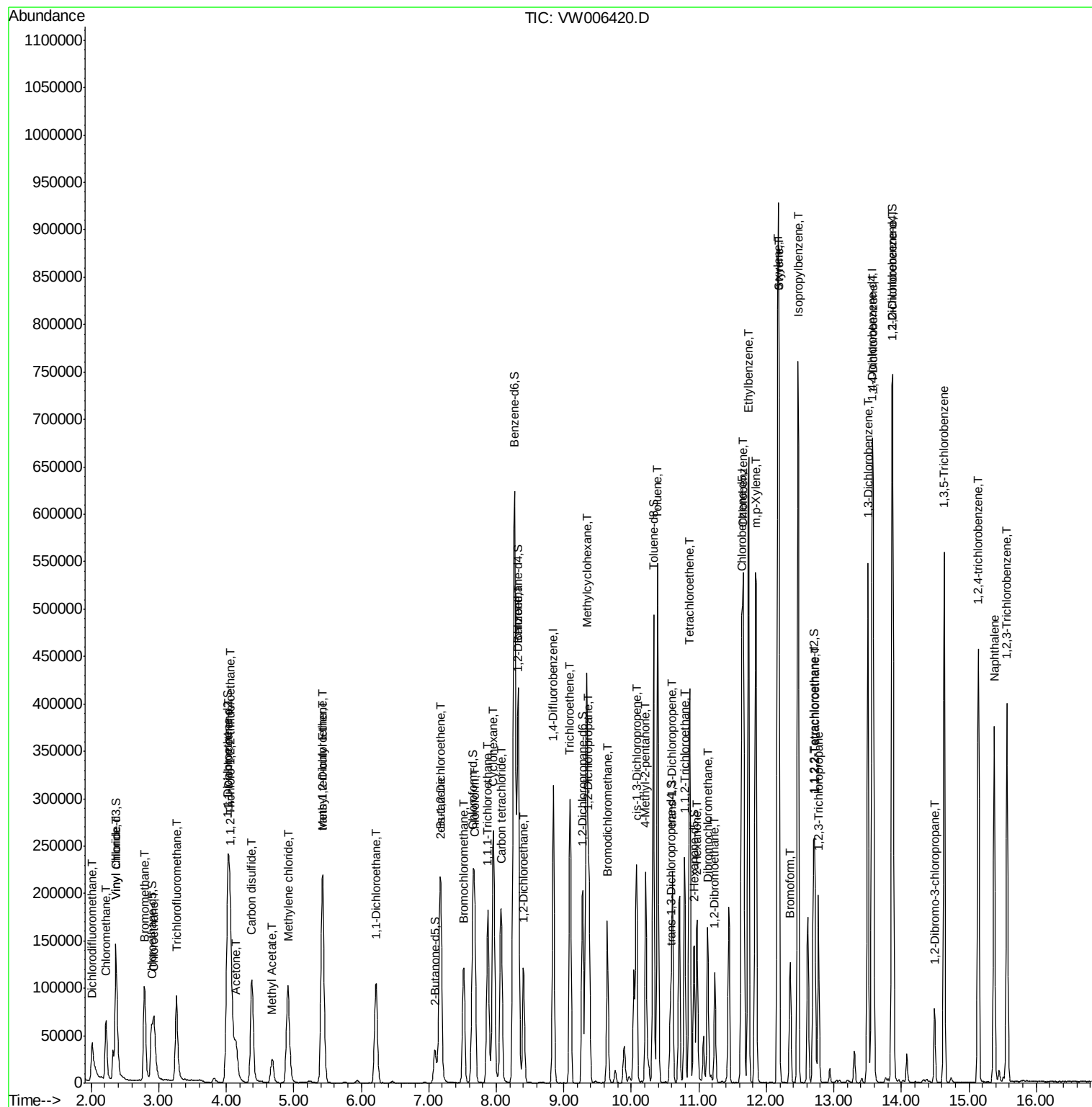
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	47963	26.152	ug/L	96
25) Chloroform	7.68	83	164899	26.482	ug/L	100
27) 1,2-Dichloroethane	8.40	62	111361	26.237	ug/L	99
30) Cyclohexane	7.96	56	149973	26.089	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	147965	27.035	ug/L	99
32) Carbon tetrachloride	8.07	117	144319	26.888	ug/L	99
34) Benzene	8.33	78	359171	26.750	ug/L	100
35) Trichloroethene	9.09	95	103235	27.327	ug/L	99
36) Methylcyclohexane	9.34	83	187912	27.148	ug/L	99
40) 1,2-Dichloropropane	9.37	63	85501	25.670	ug/L	99
41) Bromodichloromethane	9.65	83	110639	24.599	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	132321	24.323	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	139604	52.307	ug/L	98
44) Toluene	10.39	91	404833	26.852	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	116076	24.427	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	75986	27.396	ug/L	99
47) Tetrachloroethene	10.87	164	98261	28.099	ug/L	93
49) 2-Hexanone	10.98	43	101927	51.819	ug/L	95
50) Dibromochloromethane	11.13	129	87634	24.650	ug/L	99
51) 1,2-Dibromoethane	11.24	107	79590	27.567	ug/L	99
52) Chlorobenzene	11.66	112	274250	26.880	ug/L	96
53) Ethylbenzene	11.74	91	470059	26.781	ug/L	100
54) m,p-Xylene	11.85	106	183902	26.730	ug/L	96
55) o-xylene	12.17	106	175258	26.679	ug/L	100
56) Styrene	12.19	104	295213	26.097	ug/L	95
57) Isopropylbenzene	12.47	105	494995	27.082	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	102762	28.510	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	78060	29.026	ug/L	100
62) Bromoform	12.35	173	58296	24.522	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	234584	26.924	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	236130	26.913	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	219172	27.344	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	17243	26.727	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	192129	27.356	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	161709	27.002	ug/L	99
69) Naphthalene	15.38	128	336274	27.734	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	148164	27.539	ug/L	99

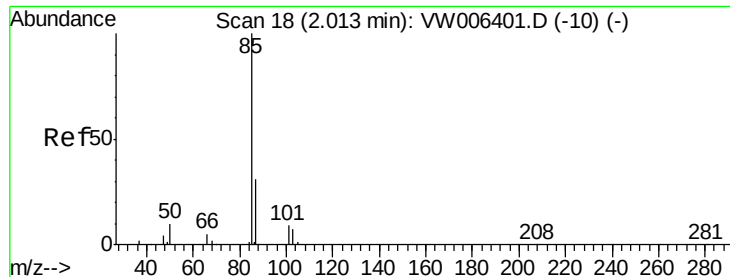
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 30.892 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampleId :

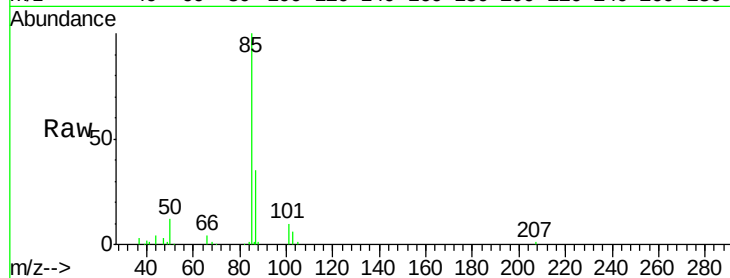
VSTD02509

Tgt Ion: 85 Resp: 82111

Ion Ratio Lower Upper

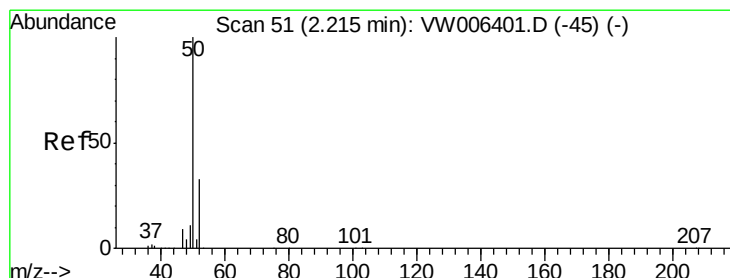
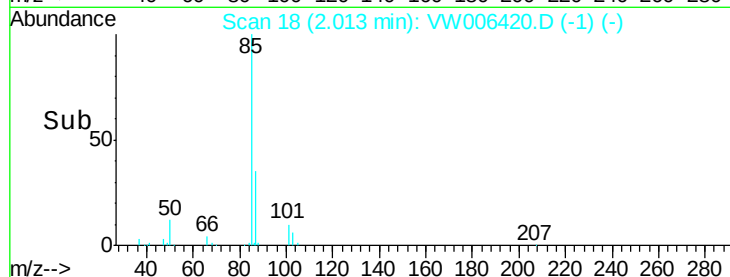
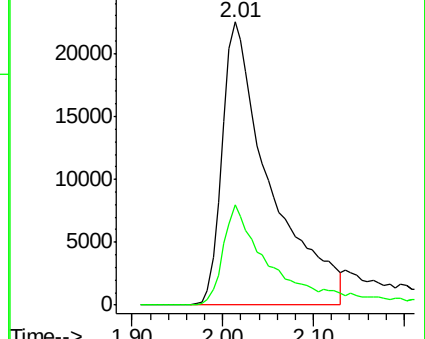
85 100

87 31.4 19.2 35.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 28.541 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW006420.D

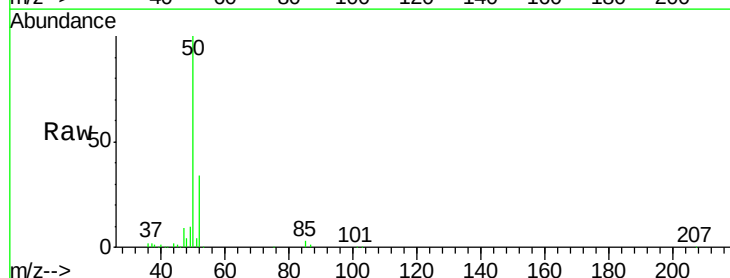
Acq: 26 Oct 2018 21:31

Tgt Ion: 50 Resp: 74500

Ion Ratio Lower Upper

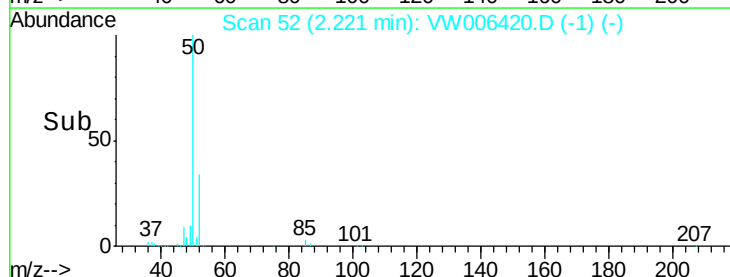
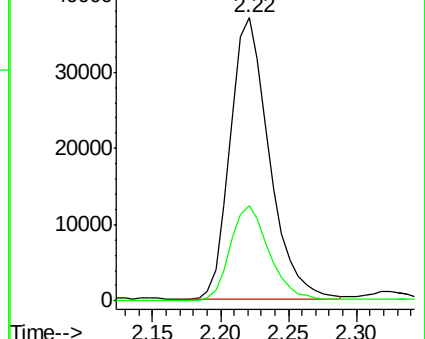
50 100

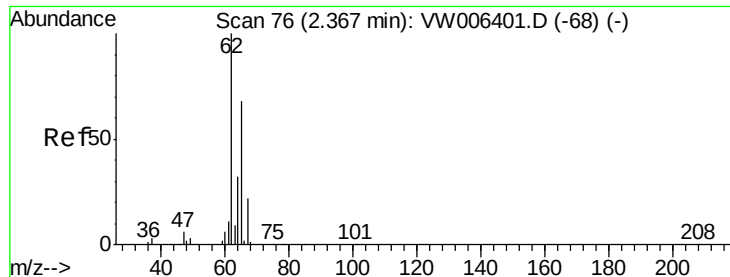
52 33.6 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.030 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampled :

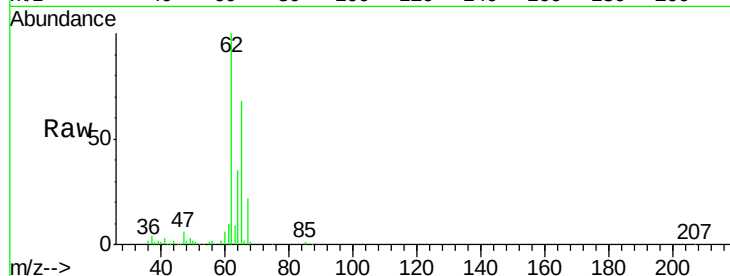
VSTD02509

Tgt Ion: 62 Resp: 113717

Ion Ratio Lower Upper

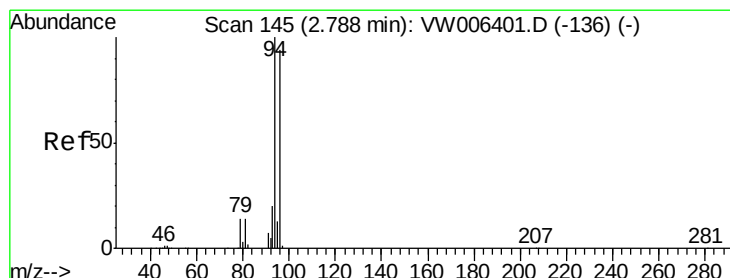
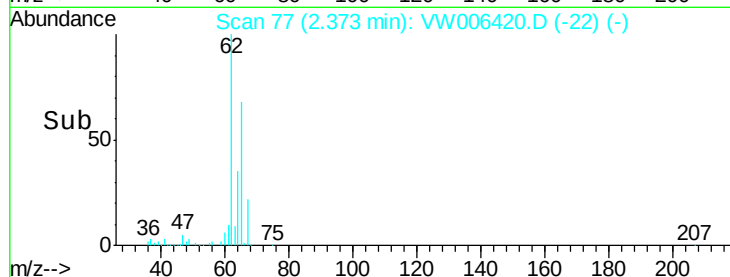
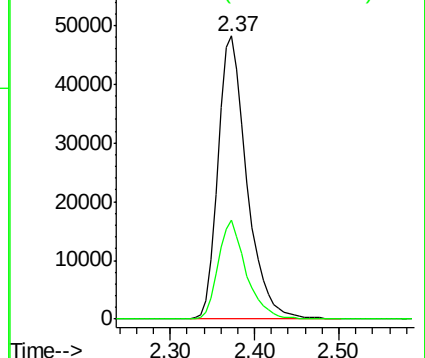
62 100

64 34.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 25.621 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006420.D

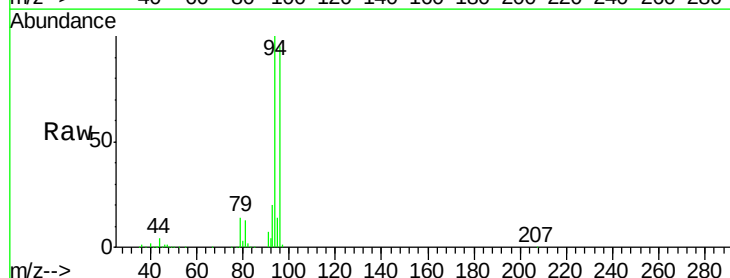
Acq: 26 Oct 2018 21:31

Tgt Ion: 94 Resp: 83933

Ion Ratio Lower Upper

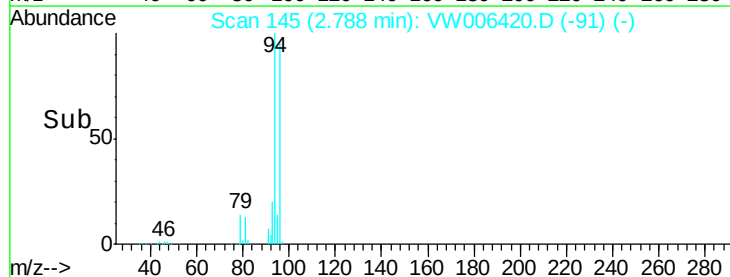
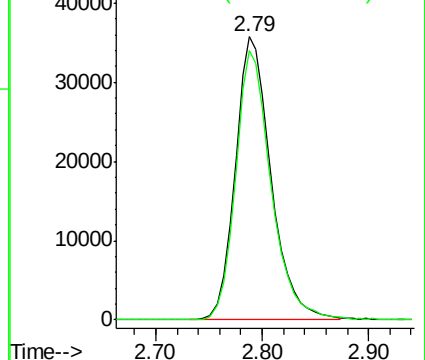
94 100

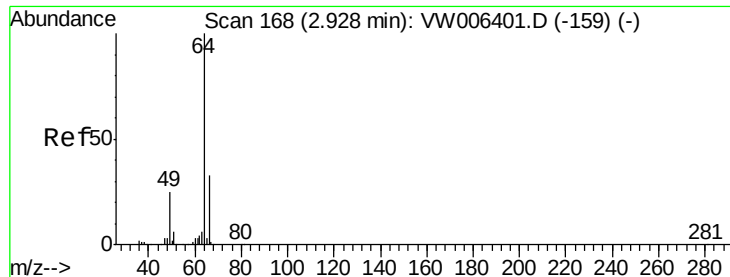
96 94.5 9.5 181.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 28.225 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampleId :

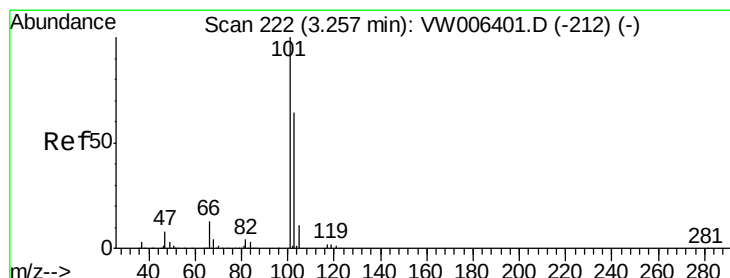
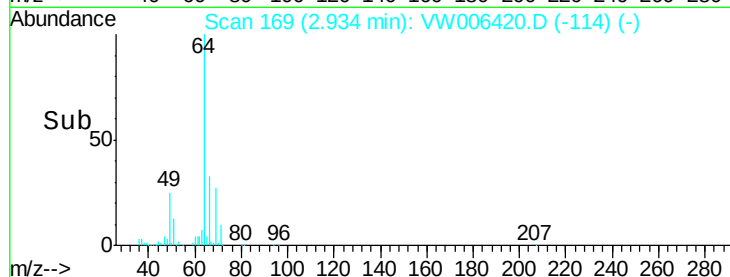
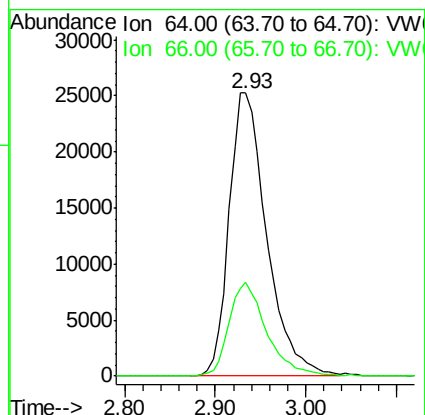
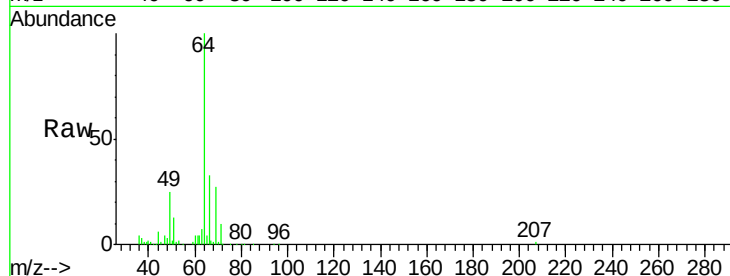
VSTD02509

Tgt Ion: 64 Resp: 72783

Ion Ratio Lower Upper

64 100

66 33.4 22.7 42.1



#9

Trichlorofluoromethane

Concen: 30.904 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW006420.D

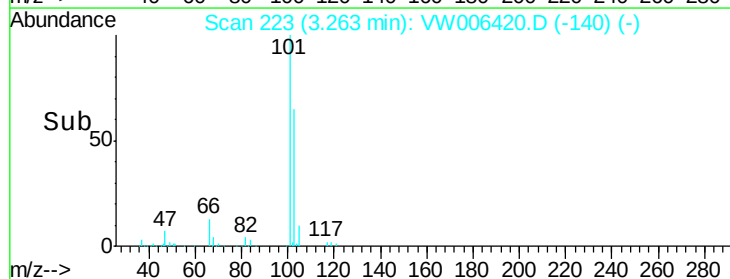
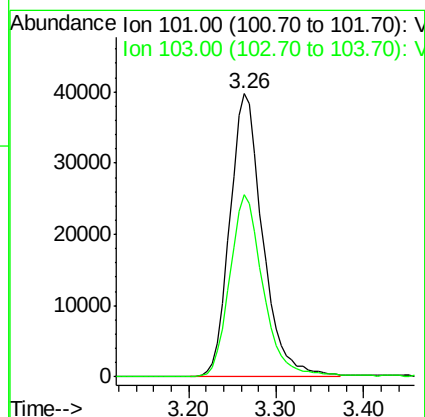
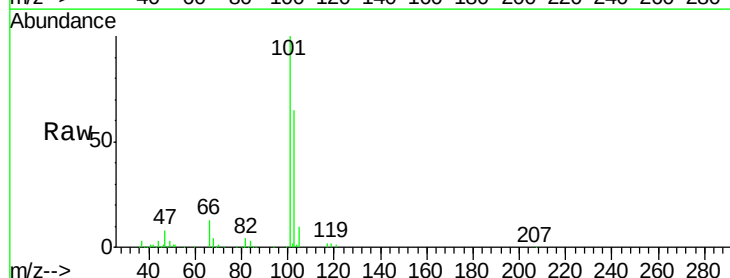
Acq: 26 Oct 2018 21:31

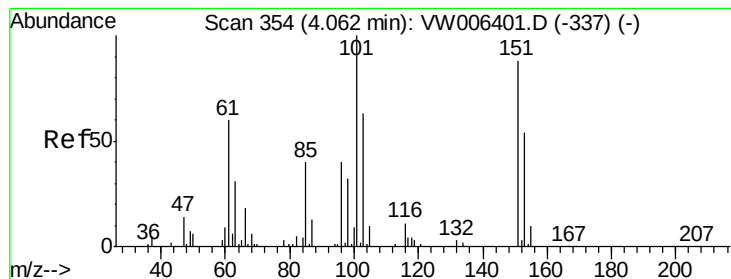
Tgt Ion: 101 Resp: 104014

Ion Ratio Lower Upper

101 100

103 64.8 45.6 84.6





#11

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

Concen: 29.796 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

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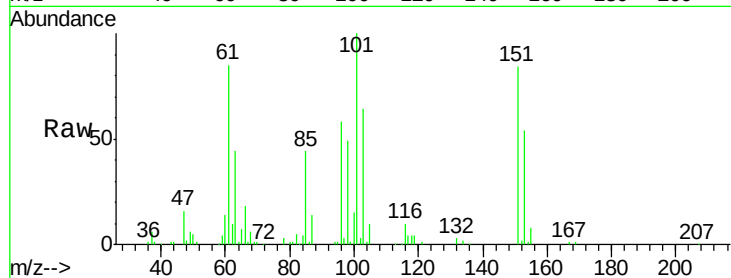
Tgt Ion: 101 Resp: 100263

Ion Ratio Lower Upper

101 100

85 42.5 33.4 50.2

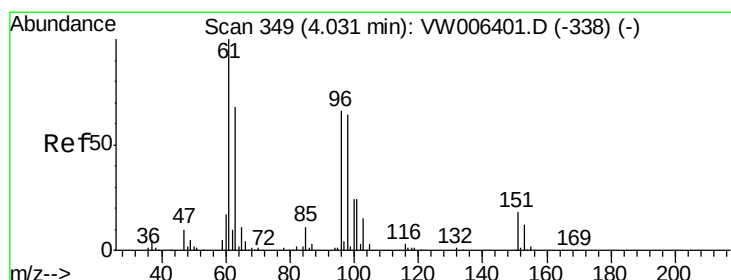
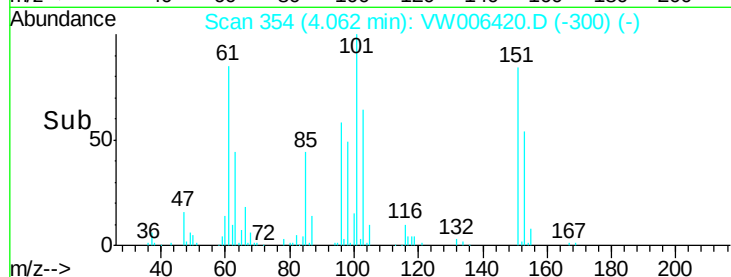
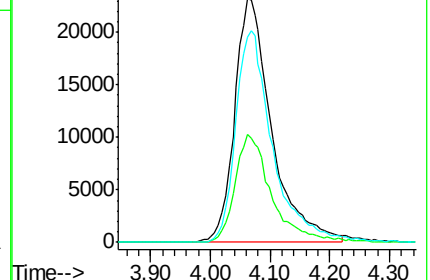
151 85.1 68.7 103.1



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: 27.707 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW006420.D

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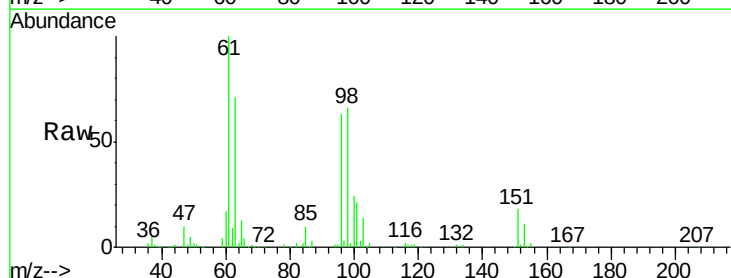
Tgt Ion: 96 Resp: 89461

Ion Ratio Lower Upper

96 100

61 159.4 112.3 208.7

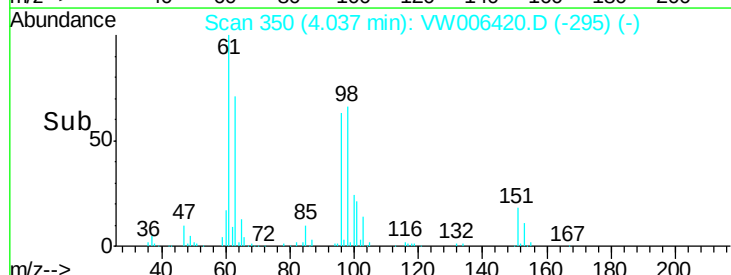
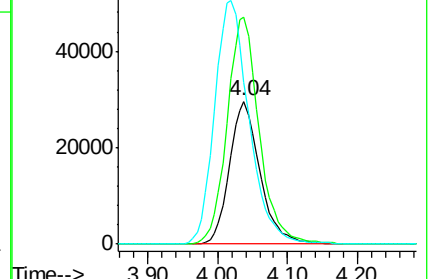
63 113.8 102.6 190.6

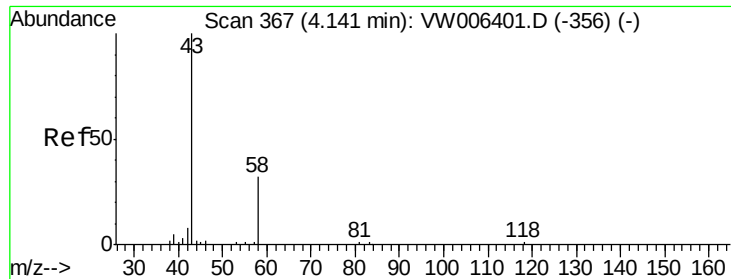


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

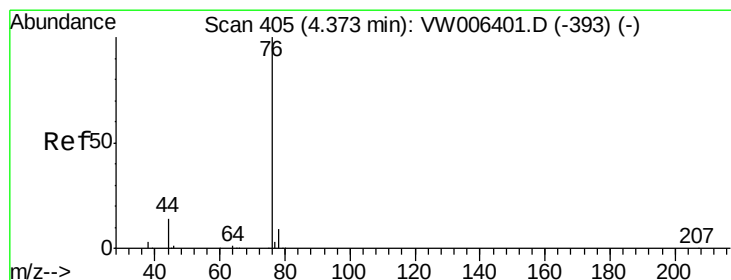
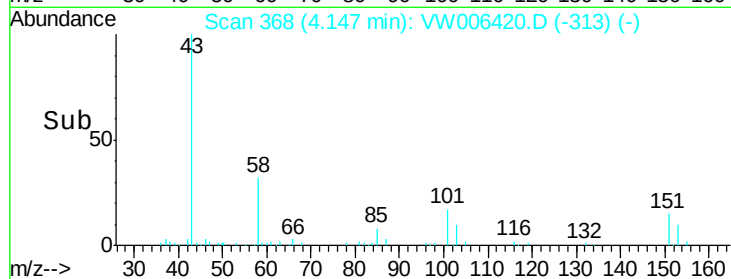
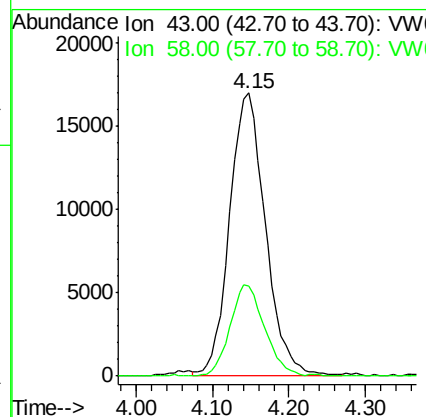
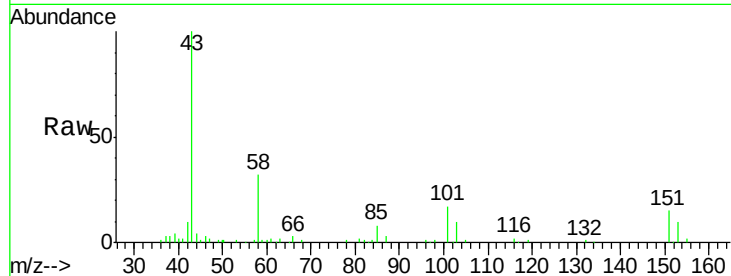




#13
Acetone
Concen: 51.762 ug/L
RT: 4.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

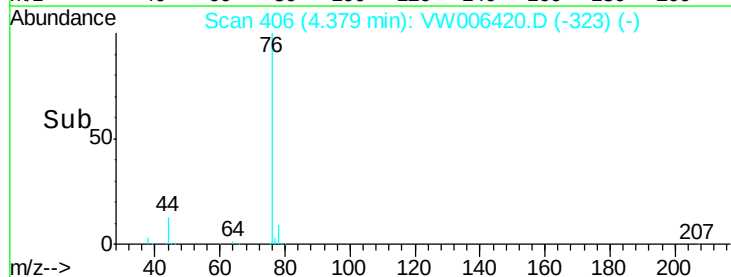
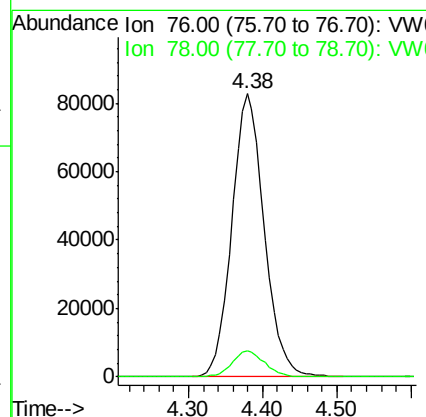
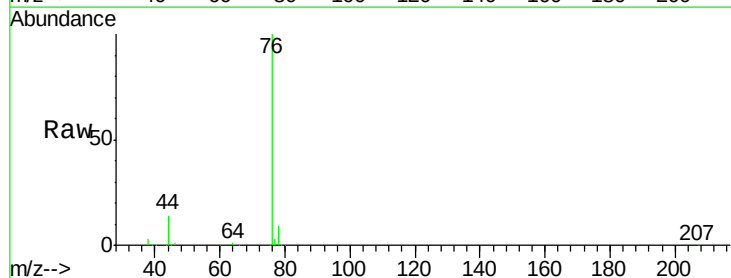
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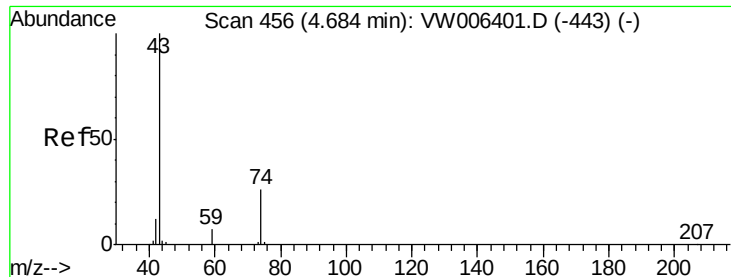
Tgt Ion: 43 Resp: 54974
Ion Ratio Lower Upper
43 100
58 31.3 0.0 61.2



#14
Carbon disulfide
Concen: 23.778 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

Tgt Ion: 76 Resp: 250976
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4

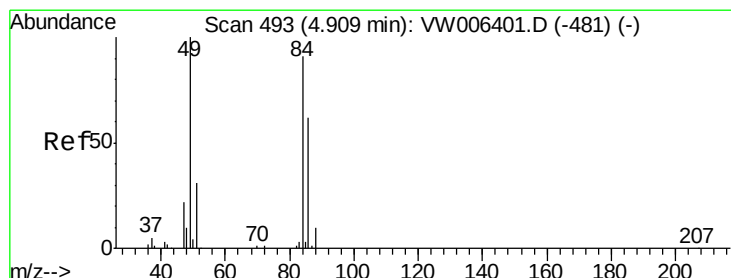
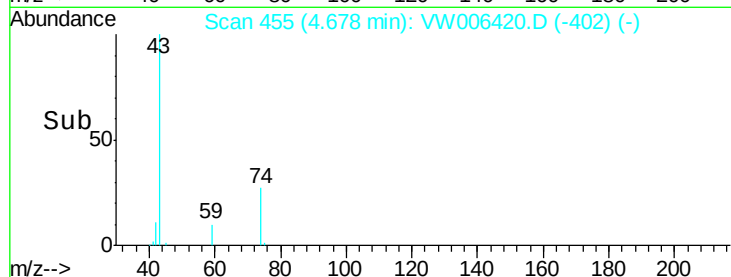
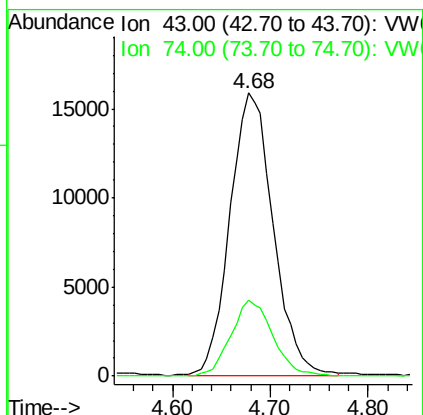
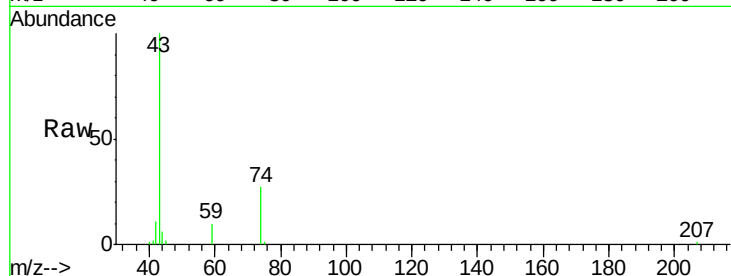




#15
Methyl Acetate
Concen: 28.348 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

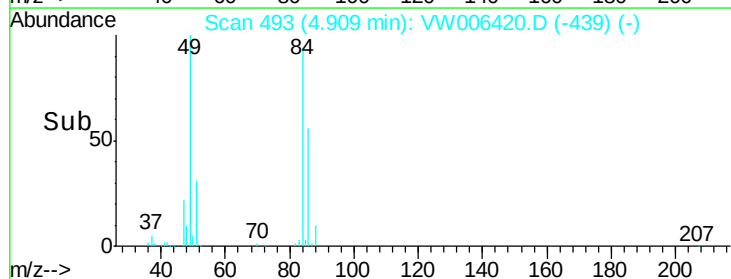
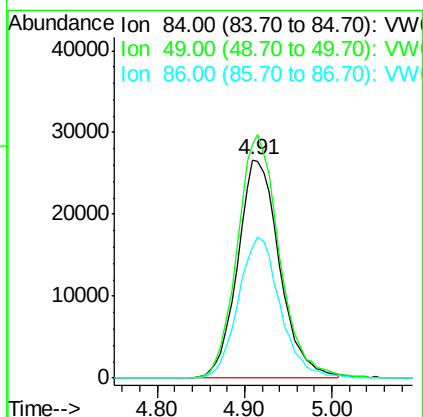
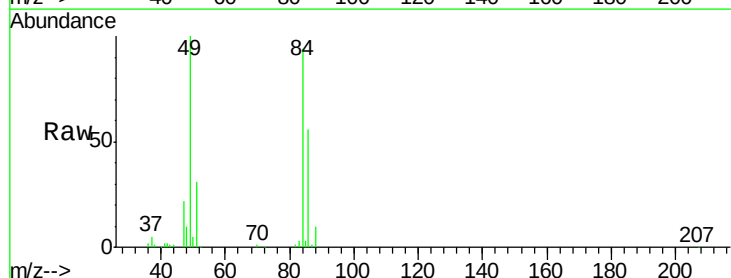
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

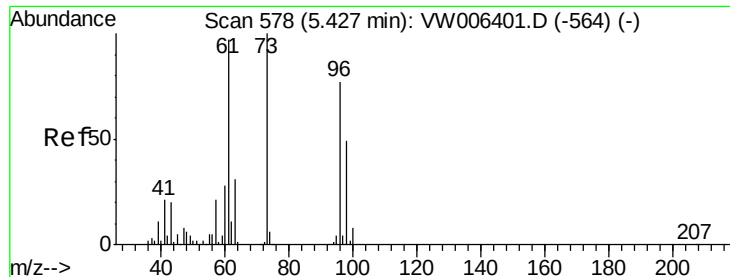
Tgt Ion: 43 Resp: 48766
Ion Ratio Lower Upper
43 100
74 25.8 19.4 29.2



#16
Methylene chloride
Concen: 24.477 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

Tgt Ion: 84 Resp: 88872
Ion Ratio Lower Upper
84 100
49 106.8 83.5 155.1
86 60.2 44.9 83.5

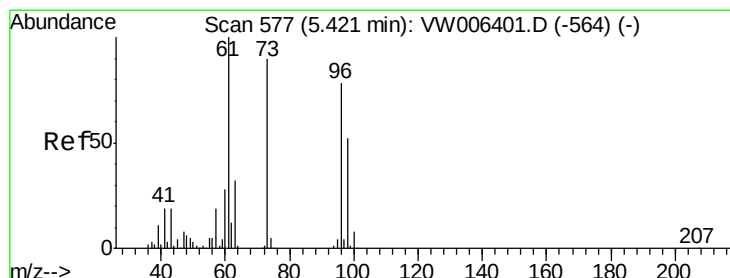
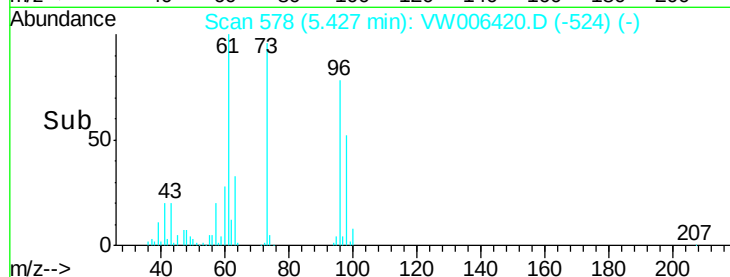
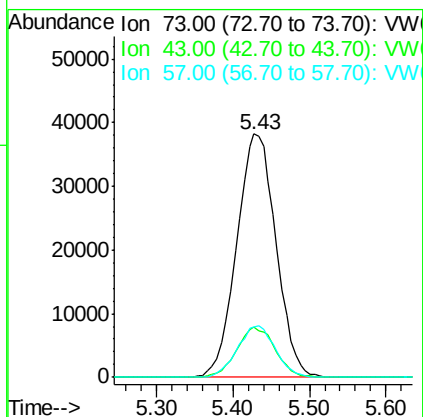
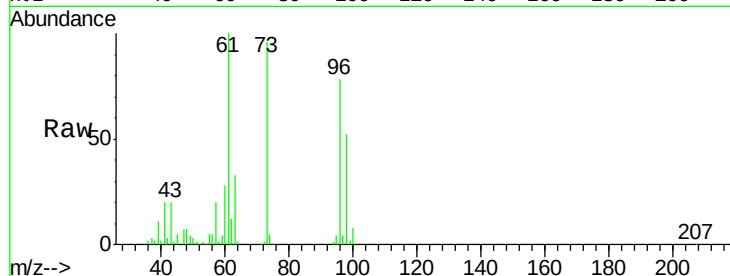




#17
Methyl tert-butyl Ether
Concen: 25.928 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

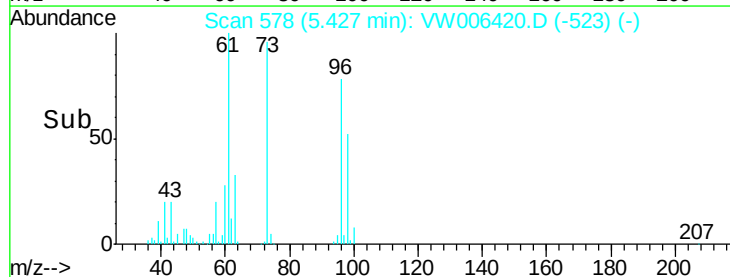
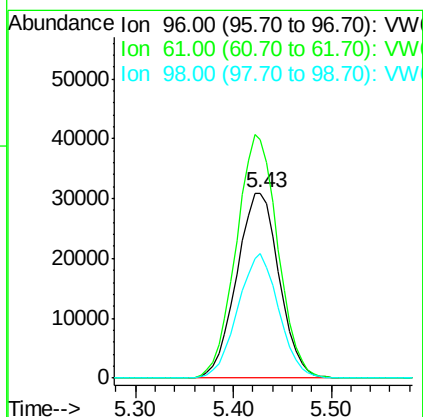
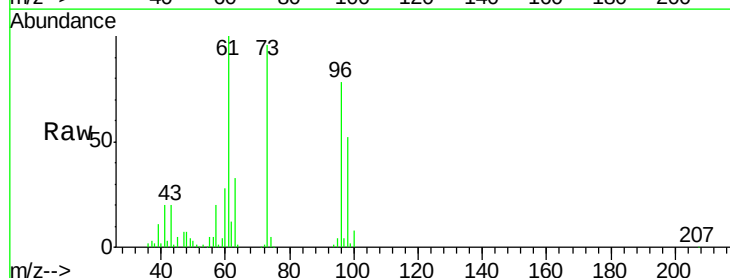
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

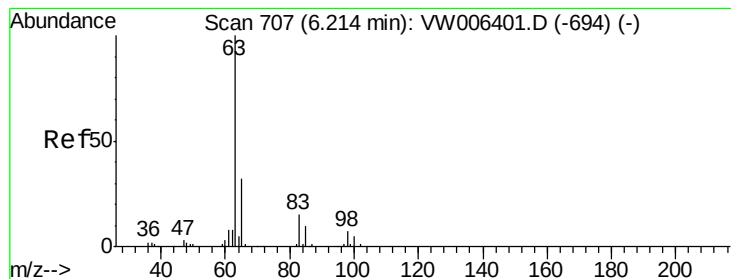
Tgt Ion: 73 Resp: 136274
Ion Ratio Lower Upper
73 100
43 20.3 17.0 25.4
57 20.5 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 26.162 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

Tgt Ion: 96 Resp: 93521
Ion Ratio Lower Upper
96 100
61 128.6 89.0 165.2
98 67.0 42.4 78.6





#19

1,1-Dichloroethane

Concen: 25.905 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

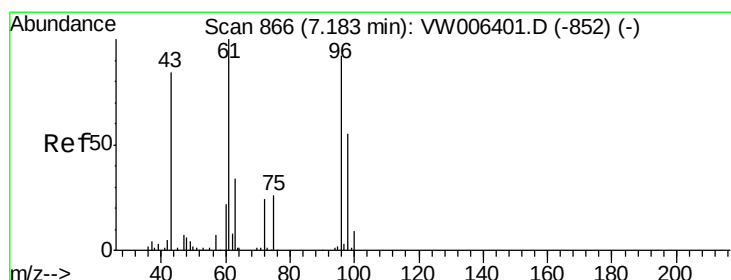
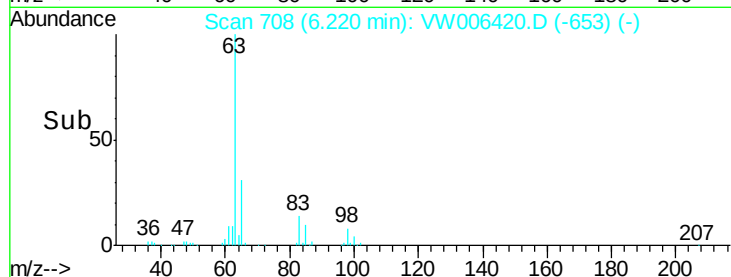
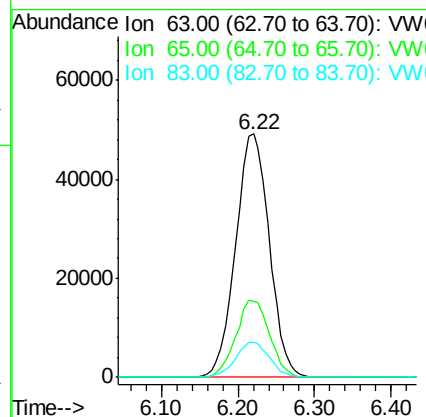
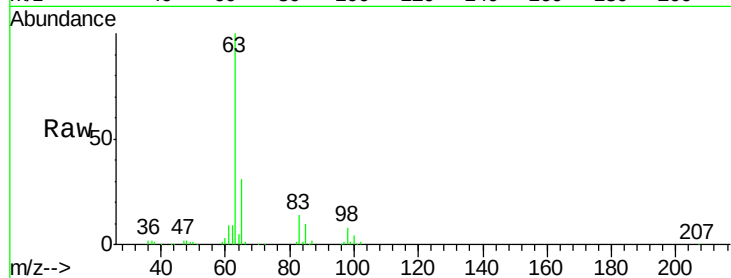
Tgt Ion: 63 Resp: 149853

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.5

83 14.3 9.7 18.1



#21

2-Butanone

Concen: 49.071 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006420.D

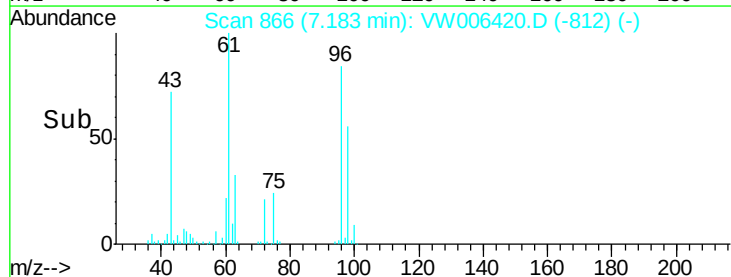
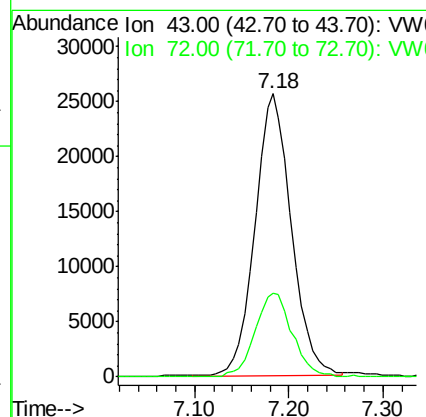
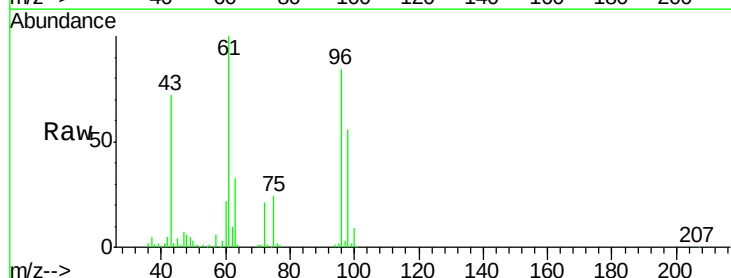
Acq: 26 Oct 2018 21:31

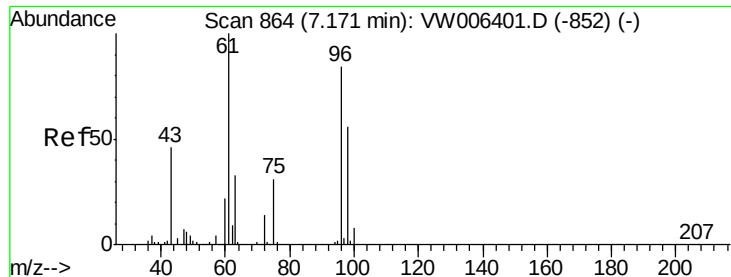
Tgt Ion: 43 Resp: 69250

Ion Ratio Lower Upper

43 100

72 30.5 13.8 41.4



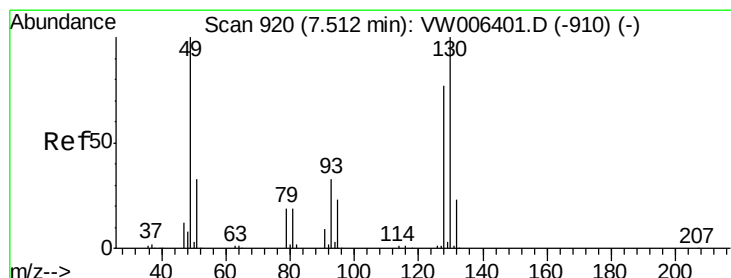
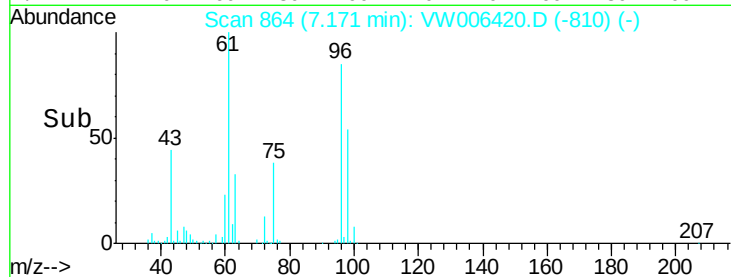
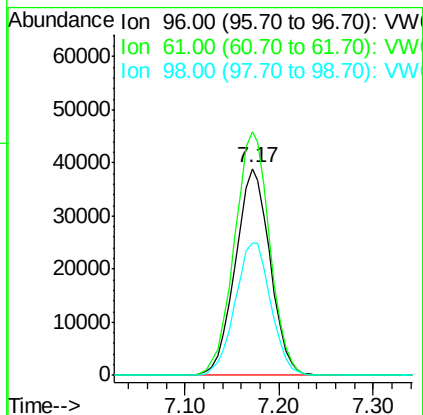
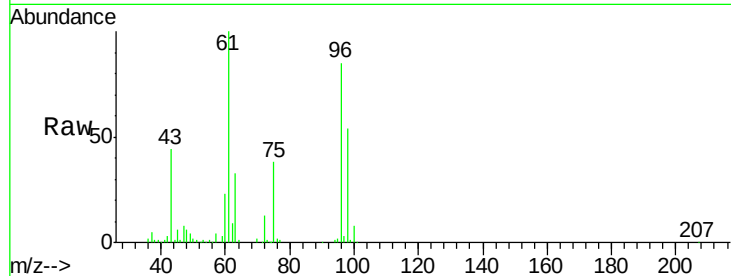


#22

cis-1,2-Dichloroethene
 Concen: 25.702 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006420.D
 Acq: 26 Oct 2018 21:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

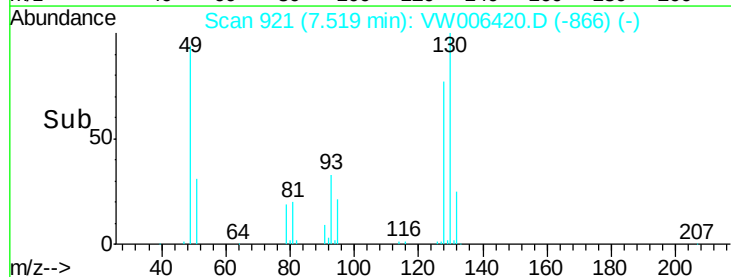
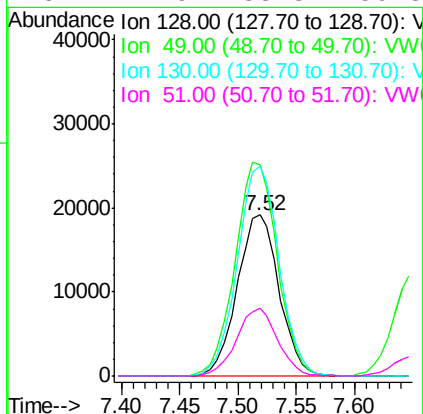
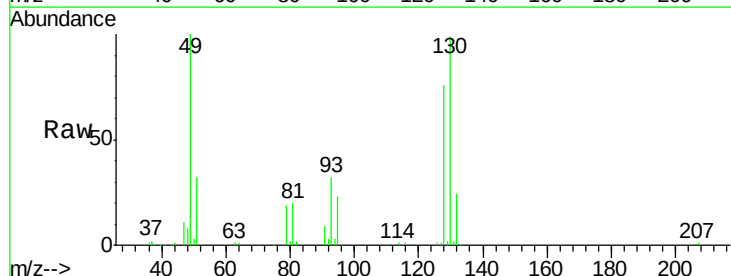
Tgt Ion: 96 Resp: 100220
 Ion Ratio Lower Upper
 96 100
 61 117.9 85.1 158.1
 98 63.9 46.3 86.1

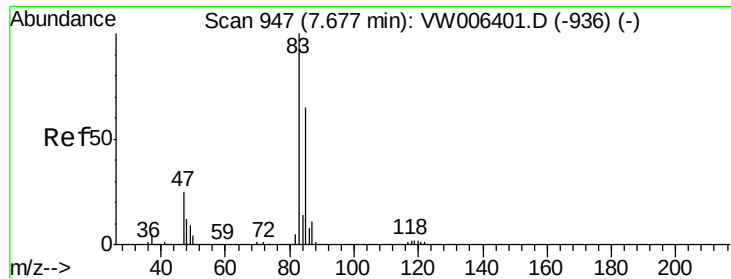


#23

Bromochloromethane
 Concen: 26.152 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW006420.D
 Acq: 26 Oct 2018 21:31

Tgt Ion: 128 Resp: 47963
 Ion Ratio Lower Upper
 128 100
 49 131.4 95.2 176.8
 130 130.4 86.3 160.3
 51 41.9 33.8 50.8

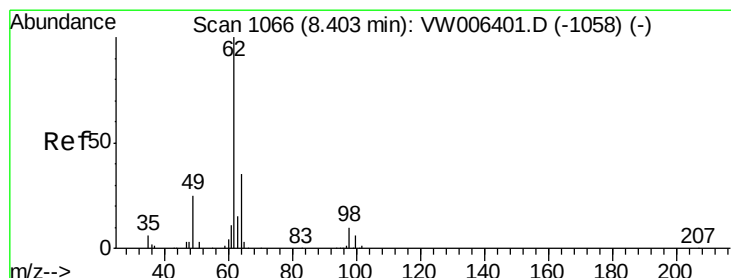
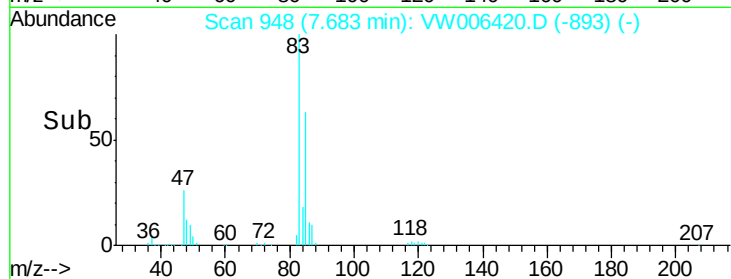
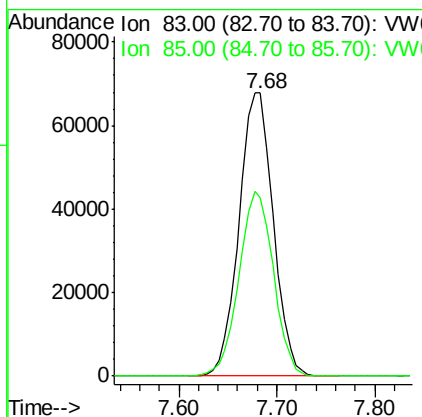
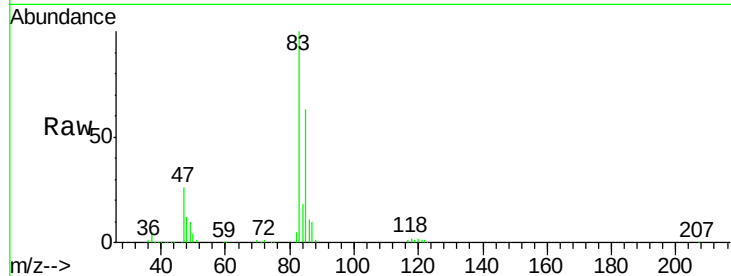




#25
Chloroform
Concen: 26.482 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

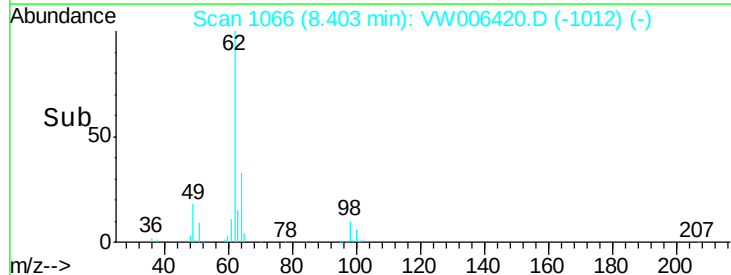
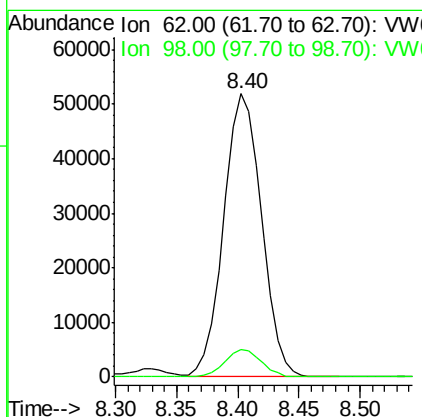
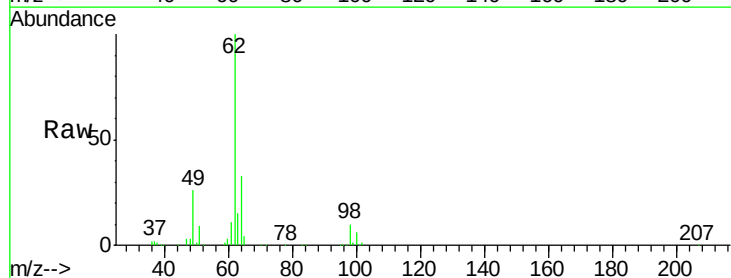
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

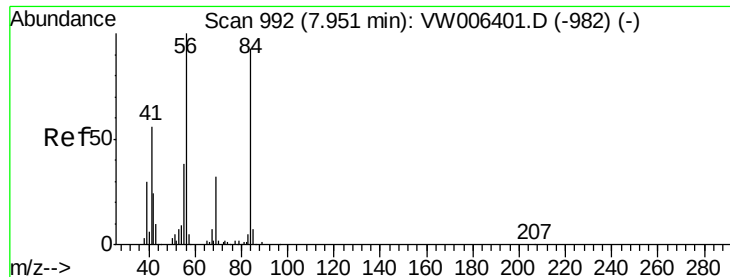
Tgt Ion: 83 Resp: 164899
Ion Ratio Lower Upper
83 100
85 65.8 46.3 85.9



#27
1,2-Dichloroethane
Concen: 26.237 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

Tgt Ion: 62 Resp: 111361
Ion Ratio Lower Upper
62 100
98 9.8 8.0 12.0





#30

Cyclohexane

Concen: 26.089 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

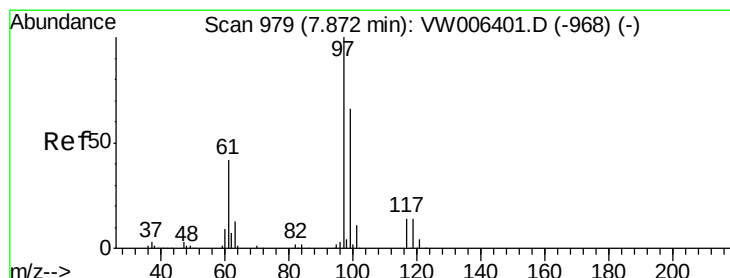
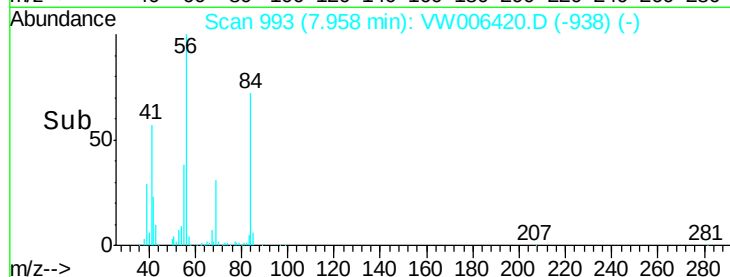
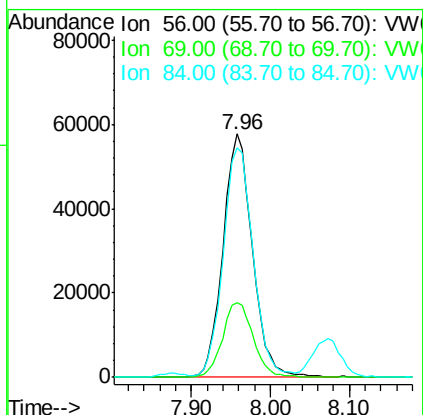
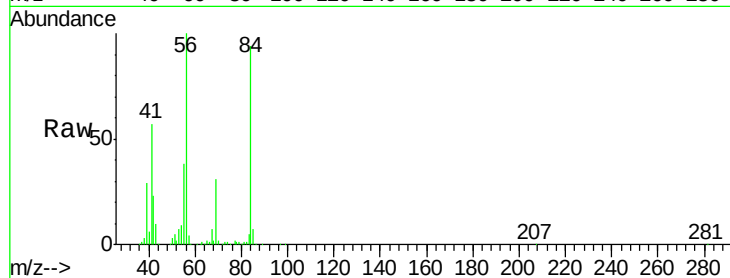
Tgt Ion: 56 Resp: 149973

Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.0

84 96.3 73.9 110.9



#31

1,1,1-Trichloroethane

Concen: 27.035 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

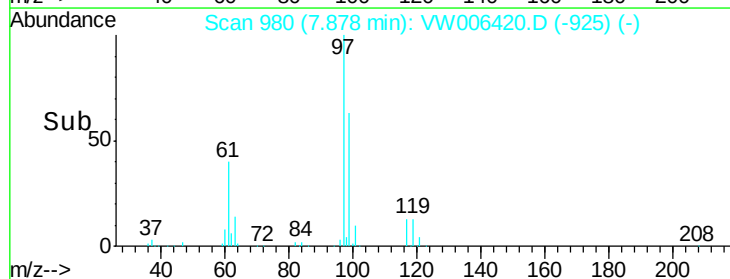
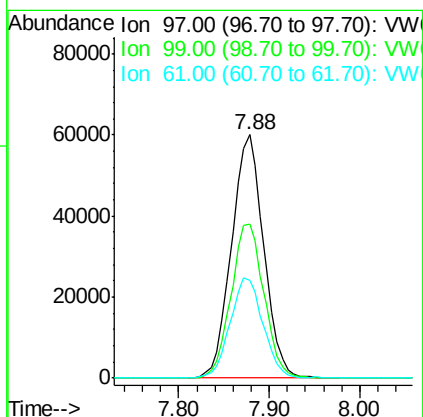
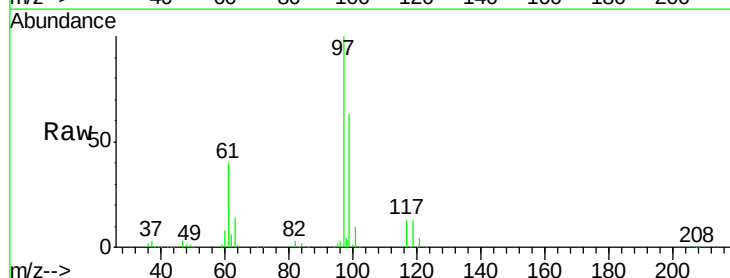
Tgt Ion: 97 Resp: 147965

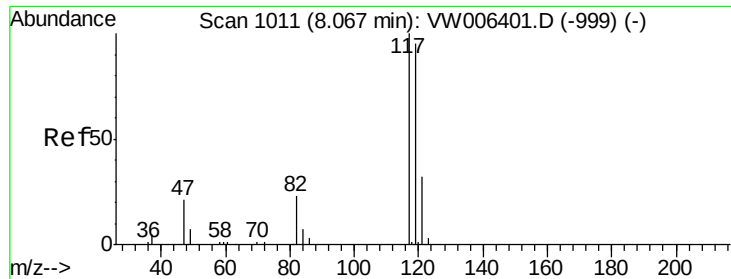
Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.4

61 42.1 33.6 50.4





#32

Carbon tetrachloride

Concen: 26.888 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampleId :

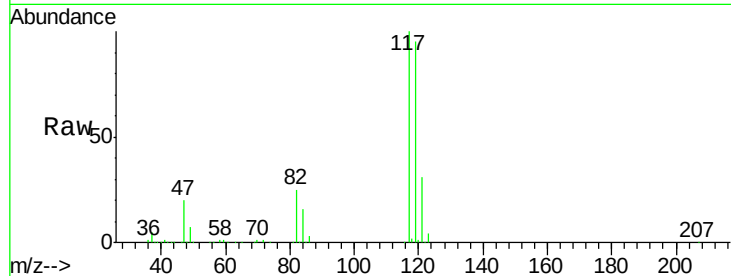
VSTD02509

Tgt Ion:117 Resp: 144319

Ion Ratio Lower Upper

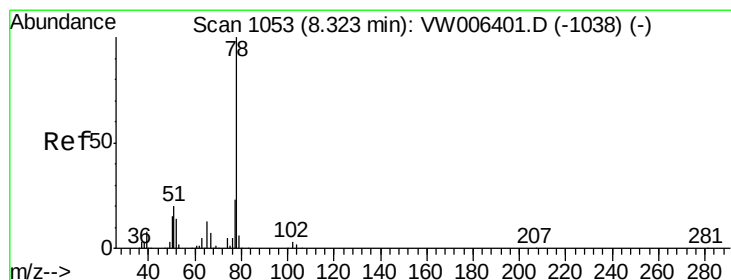
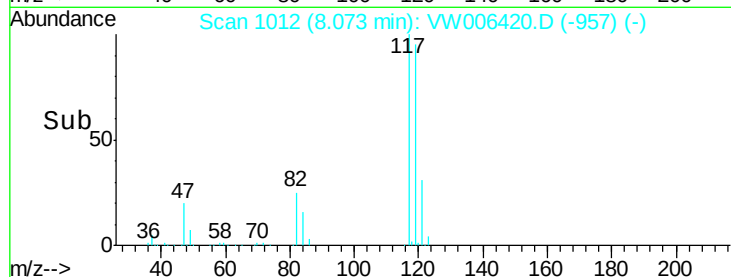
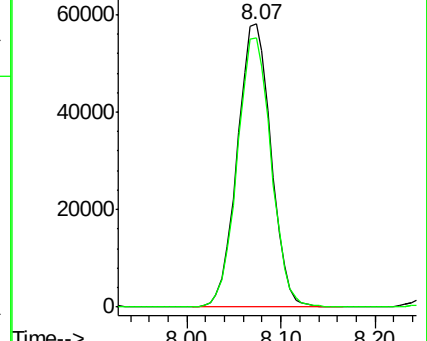
117 100

119 95.6 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: 26.750 ug/L

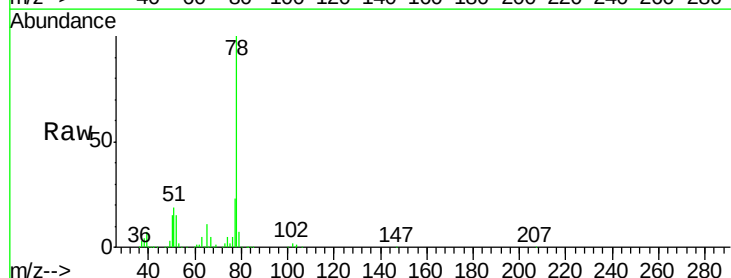
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

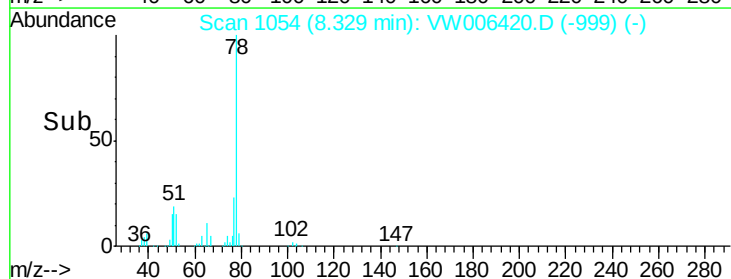
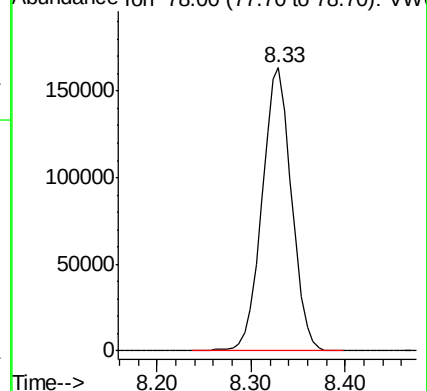
Lab File: VW006420.D

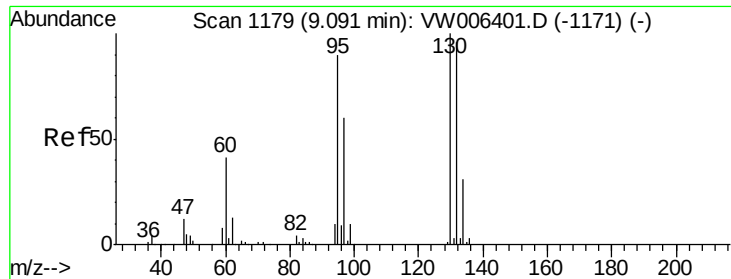
Acq: 26 Oct 2018 21:31

Tgt Ion: 78 Resp: 359171



Abundance Ion 78.00 (77.70 to 78.70): VW

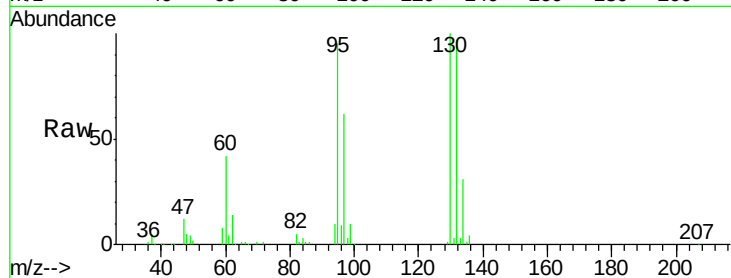




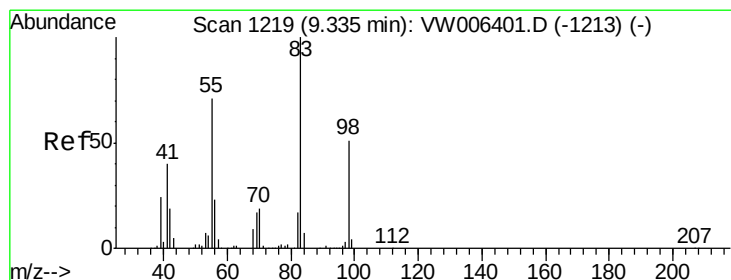
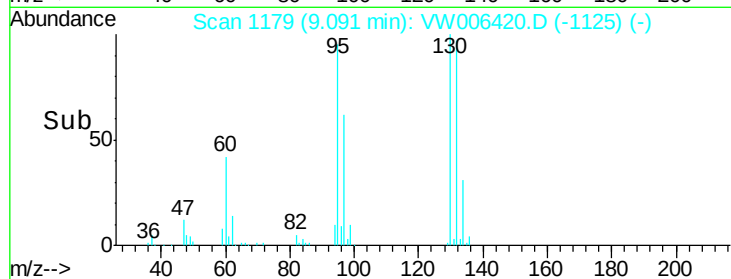
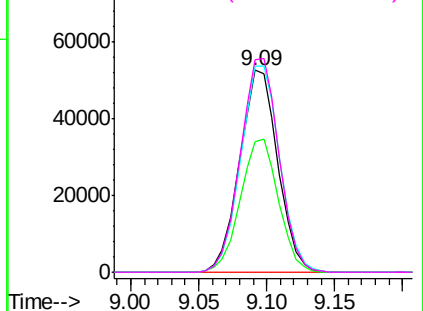
#35
 Trichloroethene
 Concen: 27.327 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW006420.D
 Acq: 26 Oct 2018 21:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion: 95 Resp: 103235
 Ion Ratio Lower Upper
 95 100
 97 65.9 45.8 85.0
 132 104.6 72.9 135.3
 130 107.4 75.8 140.8

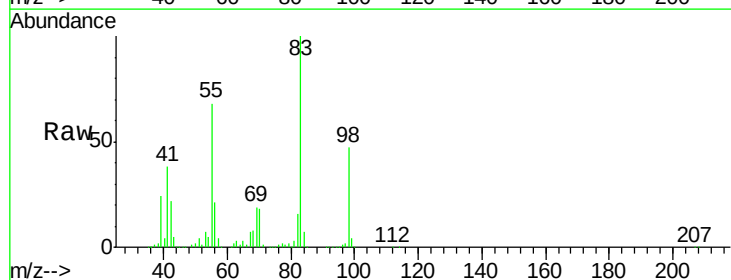


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

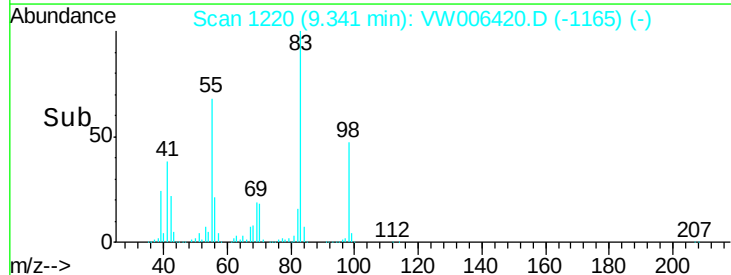
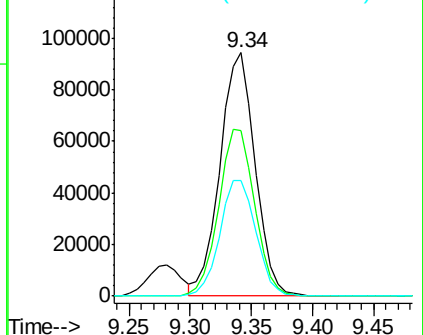


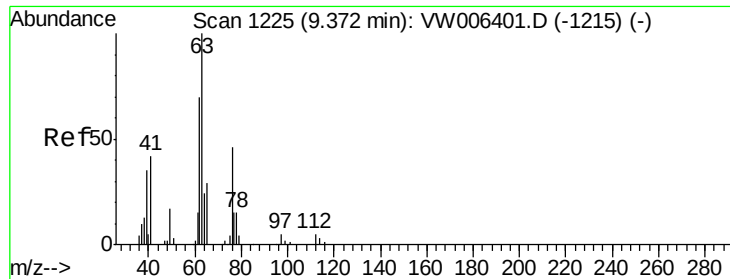
#36
 Methylcyclohexane
 Concen: 27.148 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW006420.D
 Acq: 26 Oct 2018 21:31

Tgt Ion: 83 Resp: 187912
 Ion Ratio Lower Upper
 83 100
 55 70.1 57.1 85.7
 98 48.8 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

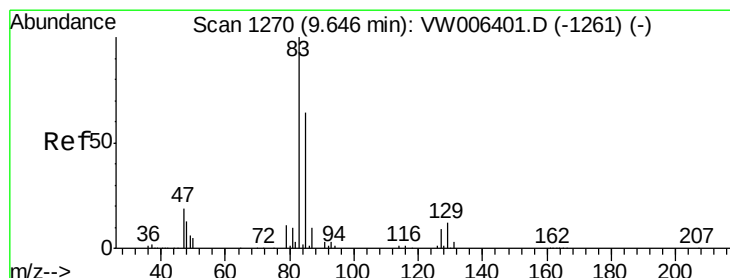
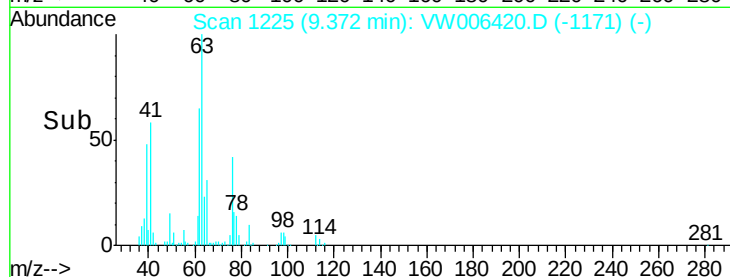
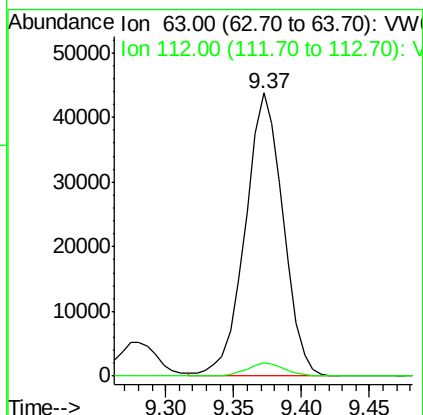
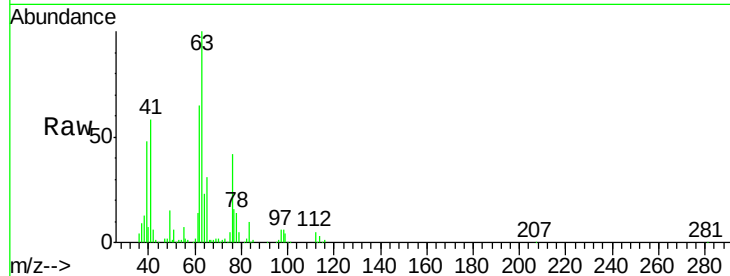




#40
 1,2-Dichloropropane
 Concen: 25.670 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006420.D
 Acq: 26 Oct 2018 21:31

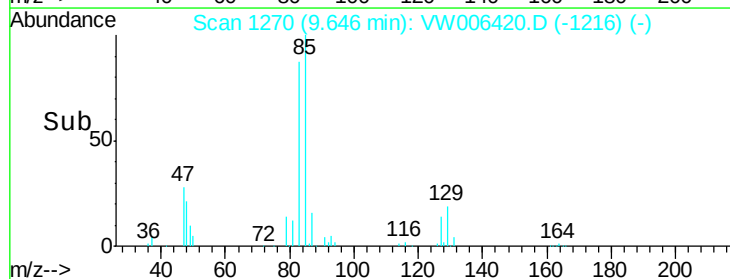
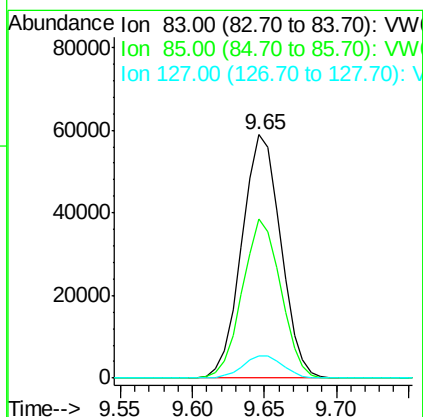
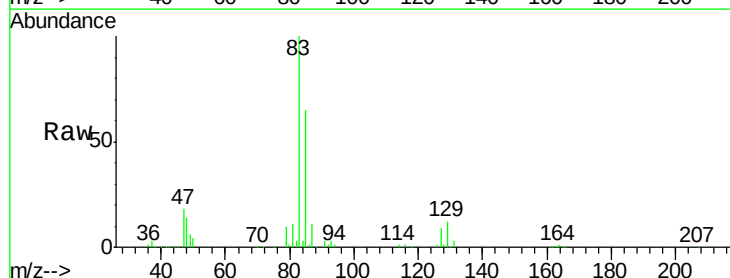
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

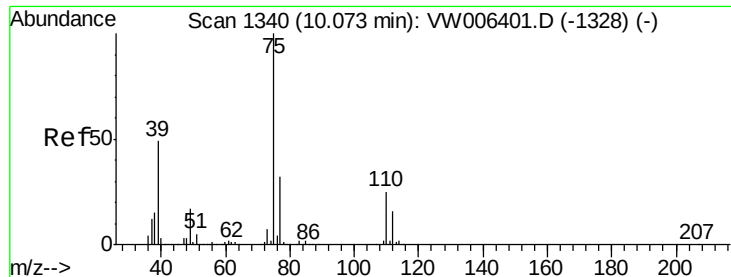
Tgt Ion: 63 Resp: 85501
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#41
 Bromodichloromethane
 Concen: 24.599 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006420.D
 Acq: 26 Oct 2018 21:31

Tgt Ion: 83 Resp: 110639
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.5 84.5
 127 9.0 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 24.323 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampleId :

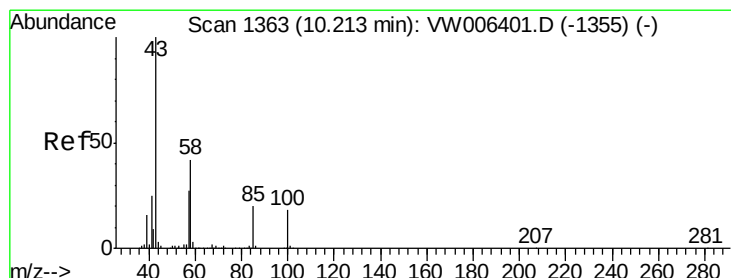
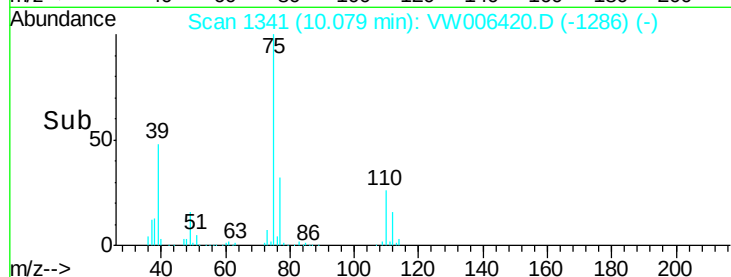
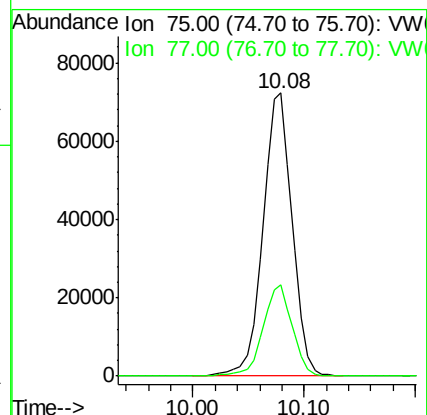
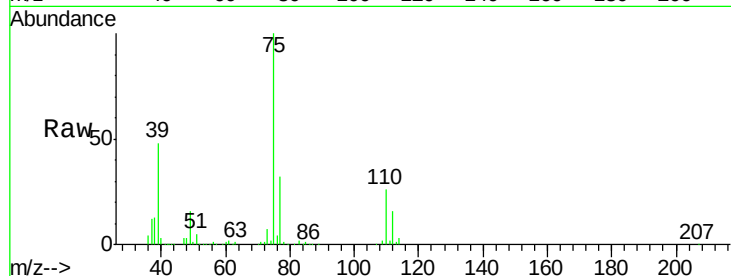
VSTD02509

Tgt Ion: 75 Resp: 132321

Ion Ratio Lower Upper

75 100

77 32.5 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 52.307 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

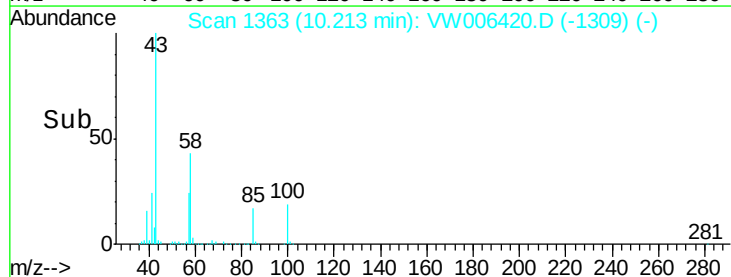
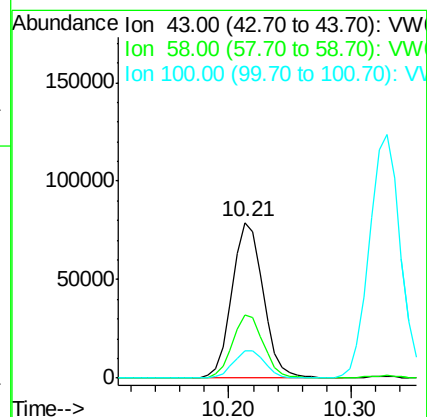
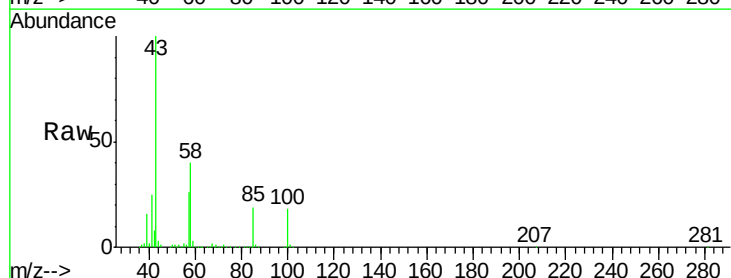
Tgt Ion: 43 Resp: 139604

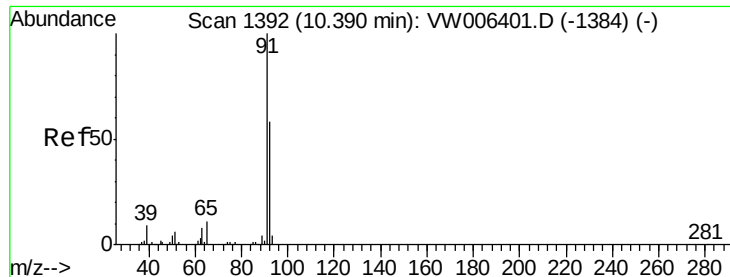
Ion Ratio Lower Upper

43 100

58 40.2 31.4 47.2

100 17.7 13.3 19.9





#44

Toluene

Concen: 26.852 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampleId :

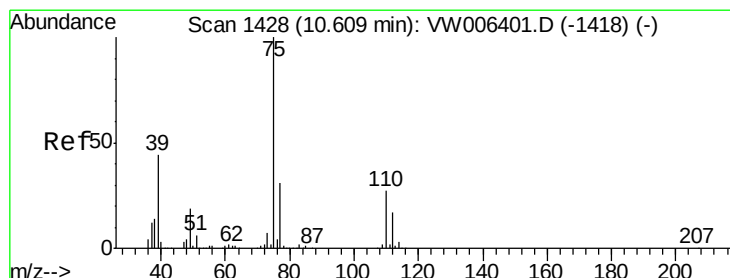
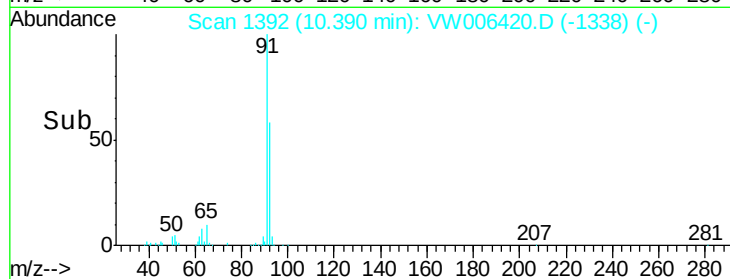
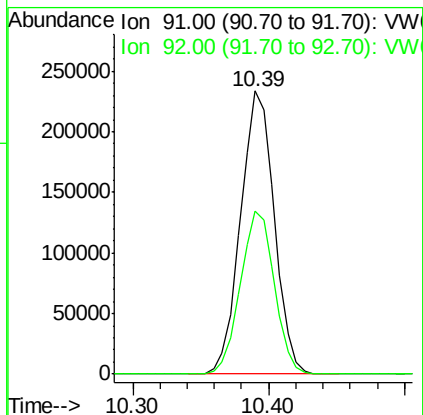
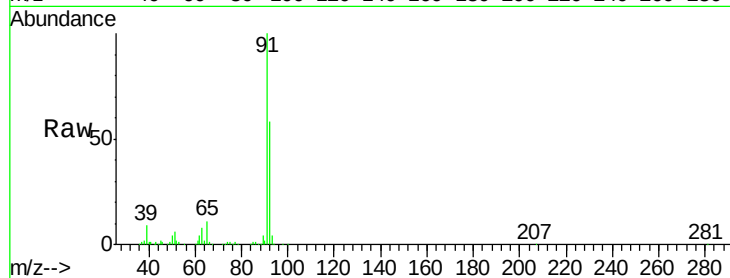
VSTD02509

Tgt Ion: 91 Resp: 404833

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 24.427 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006420.D

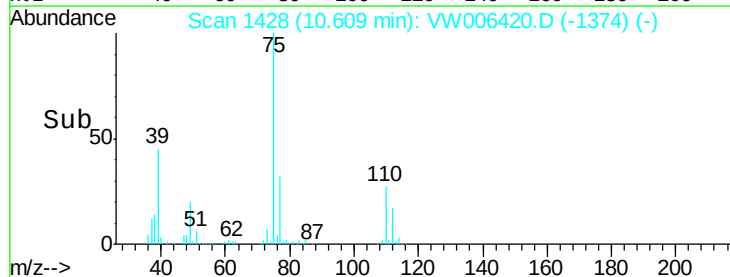
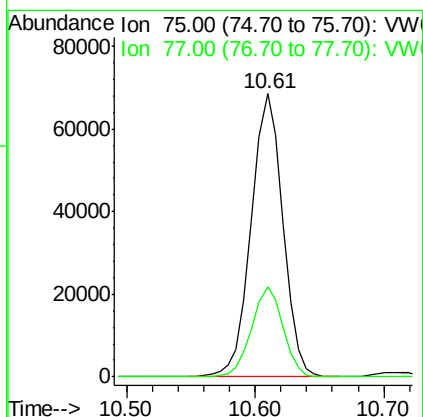
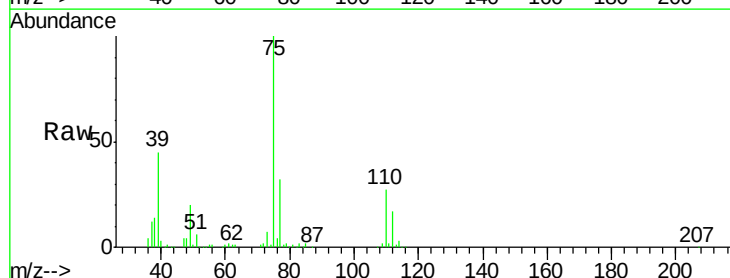
Acq: 26 Oct 2018 21:31

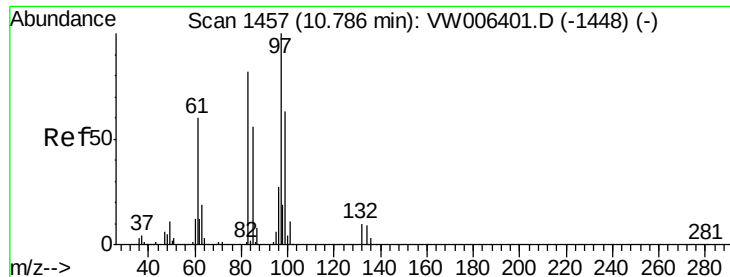
Tgt Ion: 75 Resp: 116076

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 27.396 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion: 97 Resp: 75986

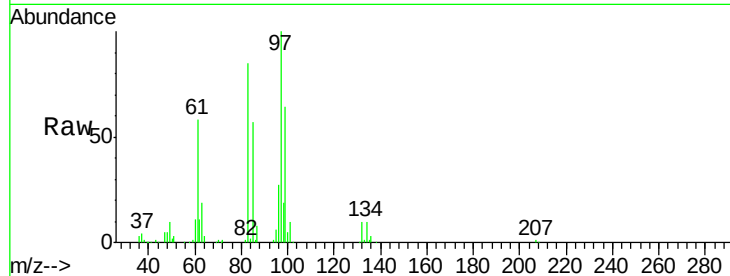
Ion Ratio Lower Upper

97 100

83 84.9 60.0 111.4

85 57.1 38.7 71.9

99 63.7 44.3 82.3

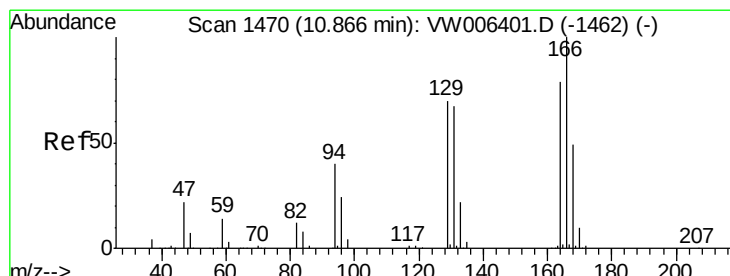
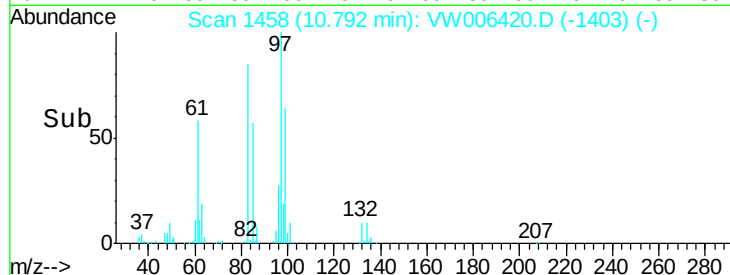
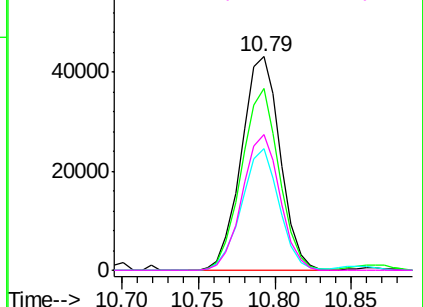


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 28.099 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Tgt Ion: 164 Resp: 98261

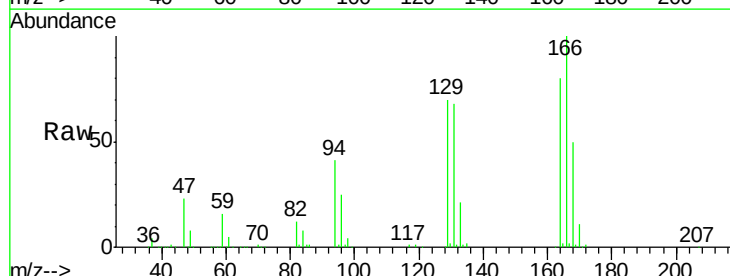
Ion Ratio Lower Upper

164 100

129 86.8 65.4 121.4

131 84.3 63.8 118.4

166 124.7 92.3 171.3

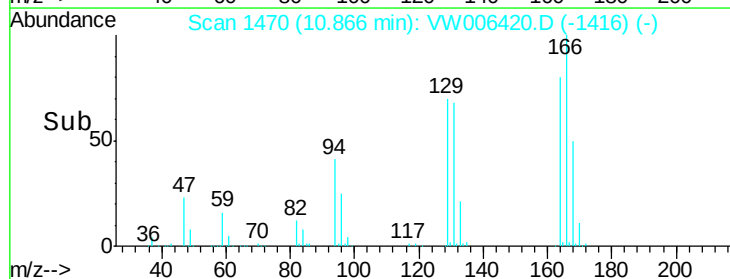
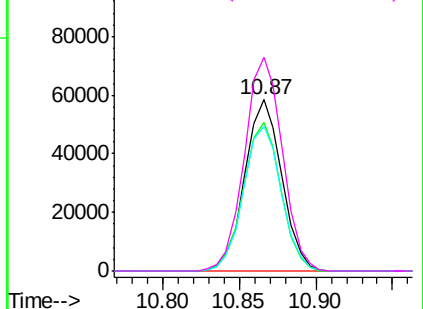


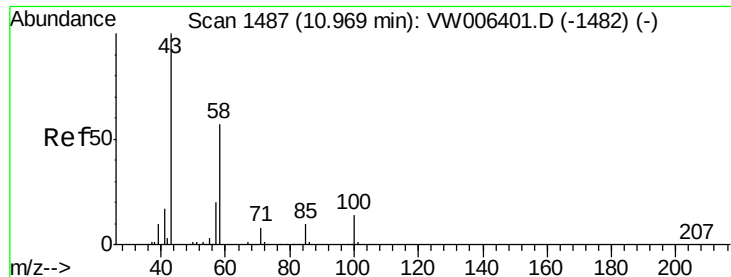
Abundance Ion 164.00 (163.70 to 164.70): V

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

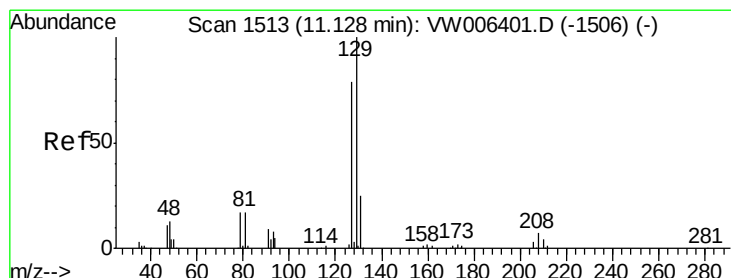
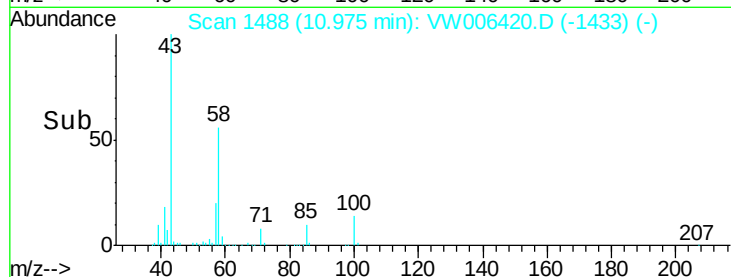
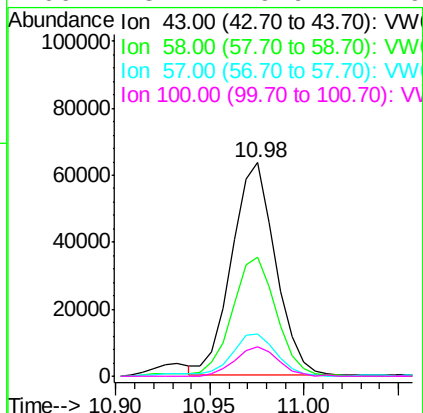
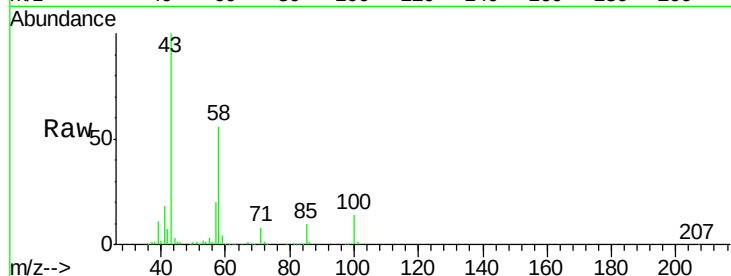




#49
2-Hexanone
Concen: 51.819 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

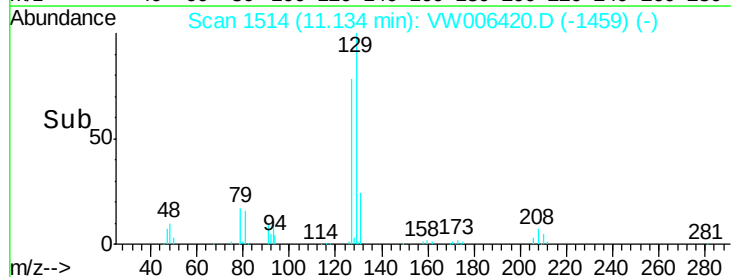
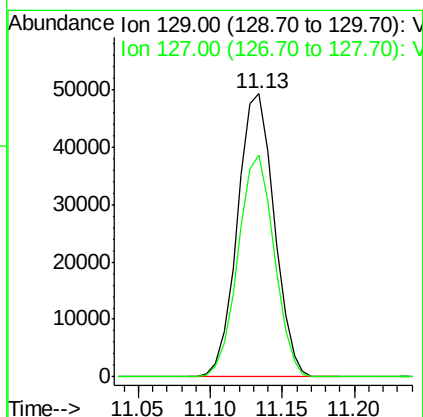
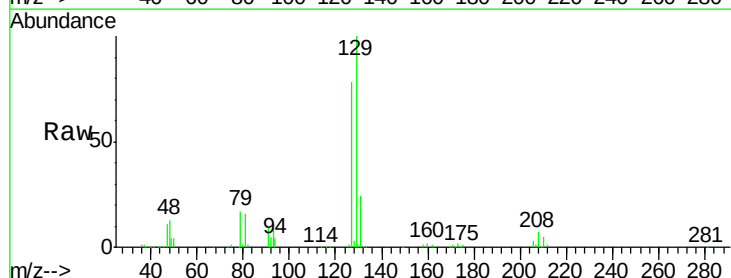
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

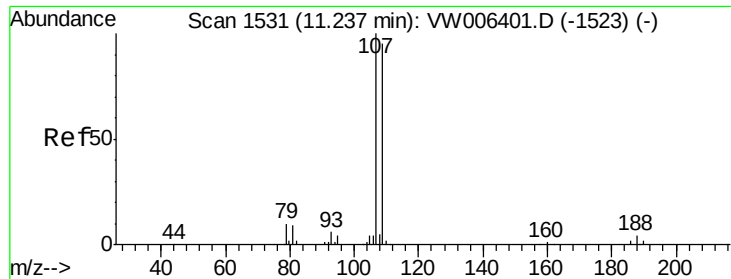
Tgt Ion: 43 Resp: 101927
Ion Ratio Lower Upper
43 100
58 57.0 42.1 63.1
57 20.6 15.1 22.7
100 13.7 9.9 14.9



#50
Dibromochloromethane
Concen: 24.650 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

Tgt Ion: 129 Resp: 87634
Ion Ratio Lower Upper
129 100
127 78.3 54.4 101.0

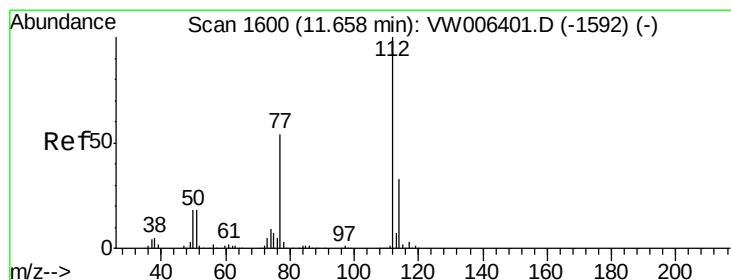
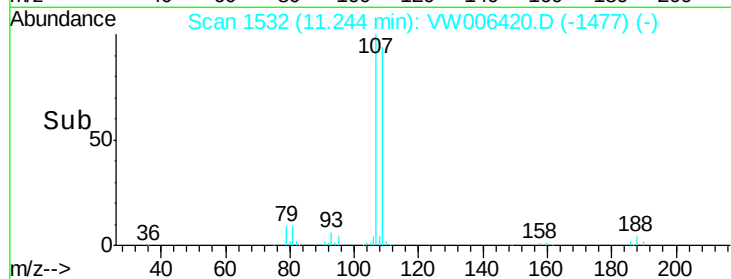
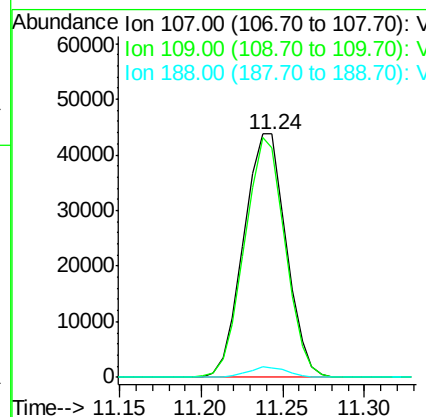
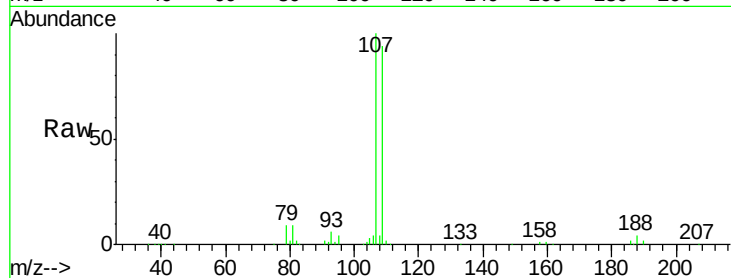




#51
1,2-Dibromoethane
Concen: 27.567 ug/L
RT: 11.24 min Scan# 1532
Delta R.T. 0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

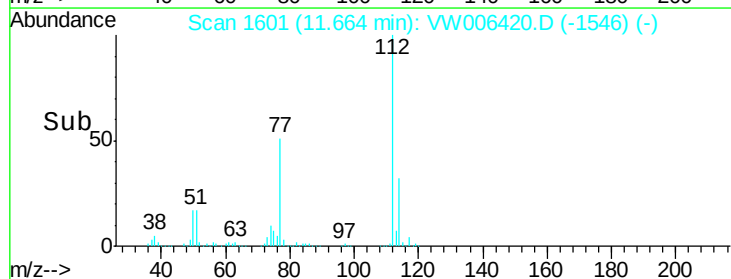
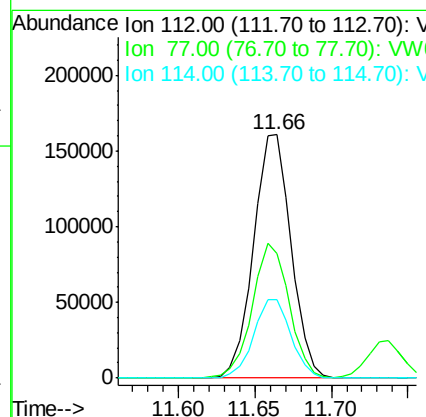
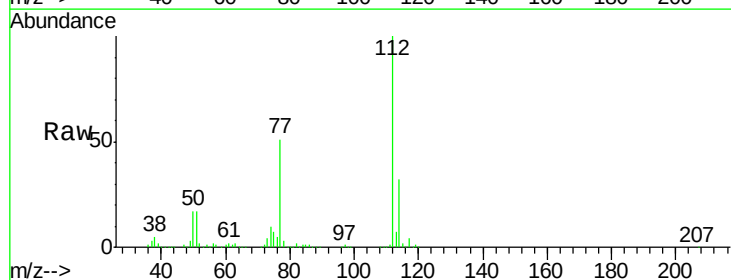
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

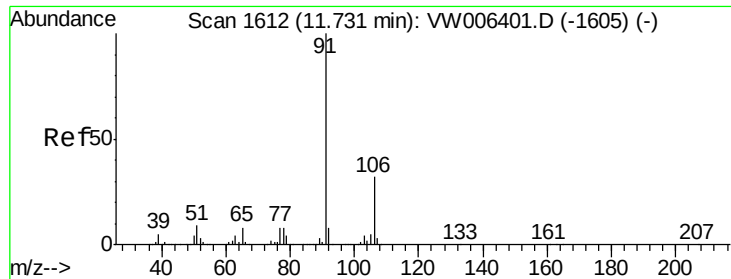
Tgt Ion:107 Resp: 79590
Ion Ratio Lower Upper
107 100
109 94.1 66.6 123.8
188 4.1 3.4 5.0



#52
Chlorobenzene
Concen: 26.880 ug/L
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

Tgt Ion:112 Resp: 274250
Ion Ratio Lower Upper
112 100
77 50.9 44.2 66.2
114 32.0 22.1 41.1

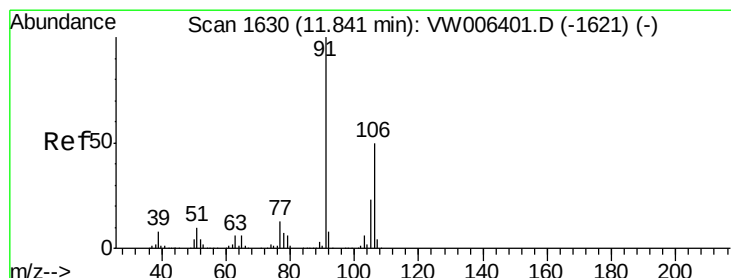
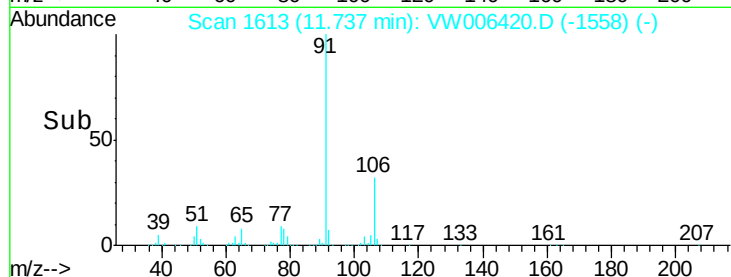
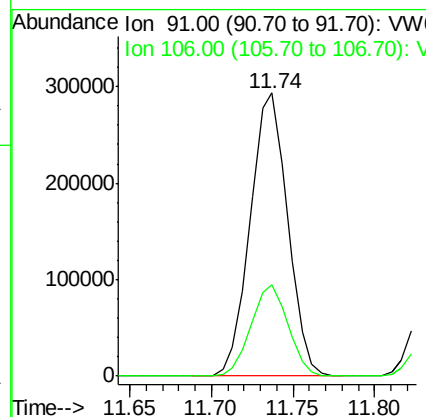
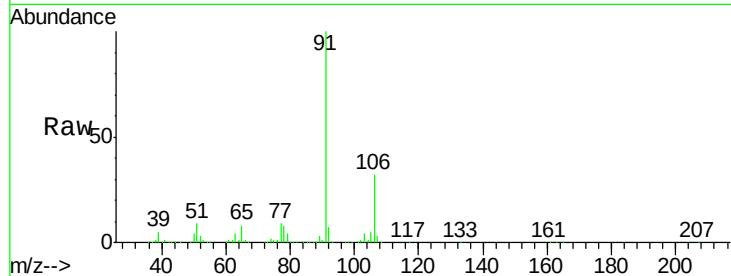




#53
Ethylbenzene
Concen: 26.781 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

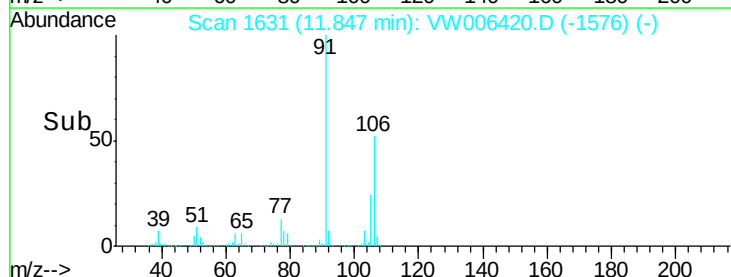
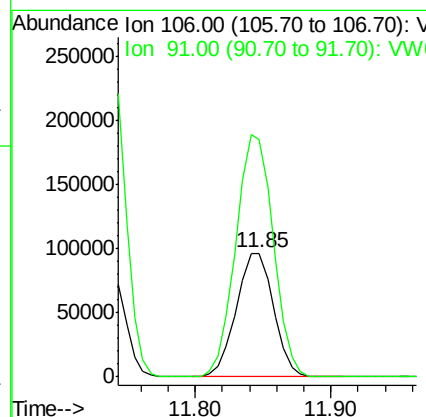
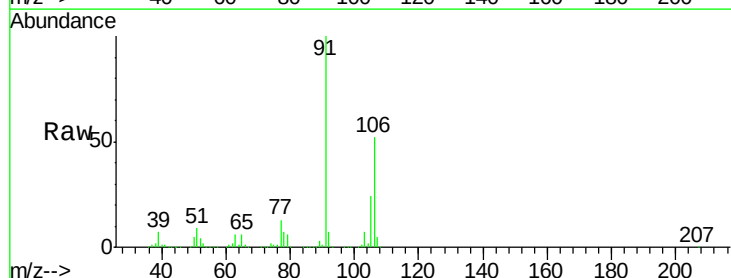
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

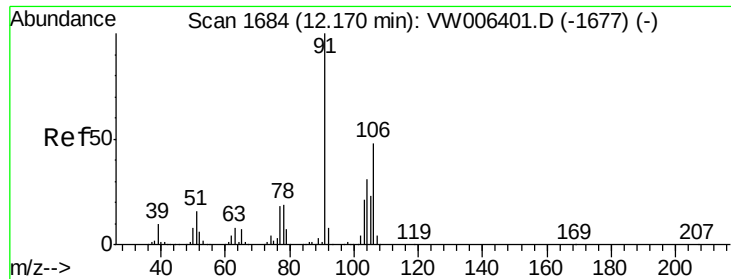
Tgt Ion: 91 Resp: 470059
Ion Ratio Lower Upper
91 100
106 32.2 22.6 42.0



#54
m,p-Xylene
Concen: 26.730 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

Tgt Ion: 106 Resp: 183902
Ion Ratio Lower Upper
106 100
91 191.6 138.4 257.0

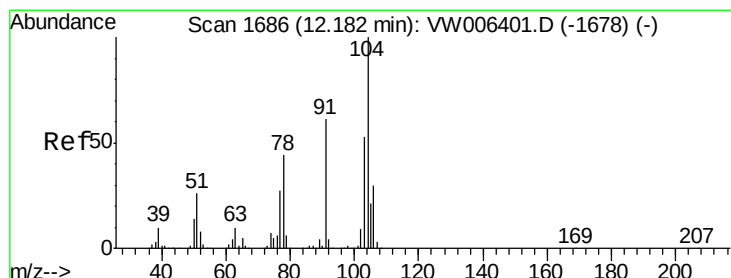
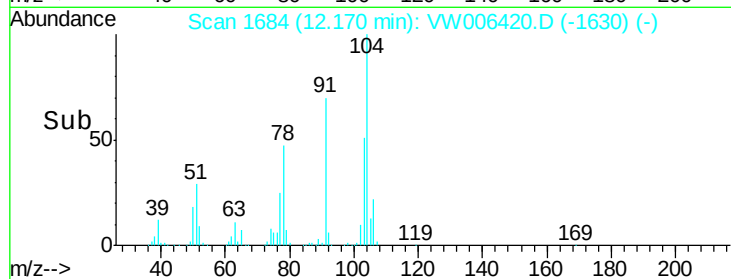
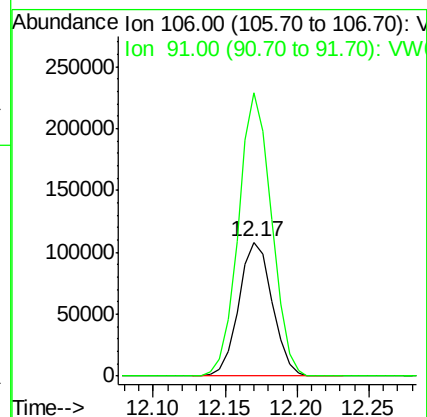
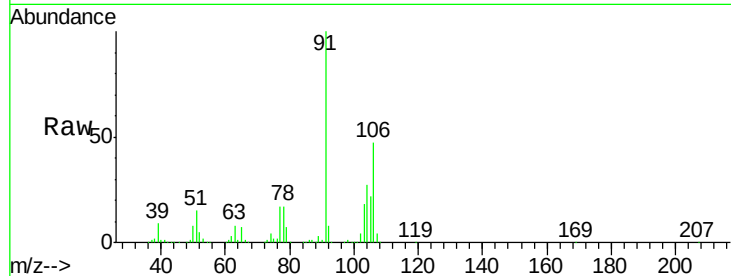




#55
o-xylene
Concen: 26.679 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

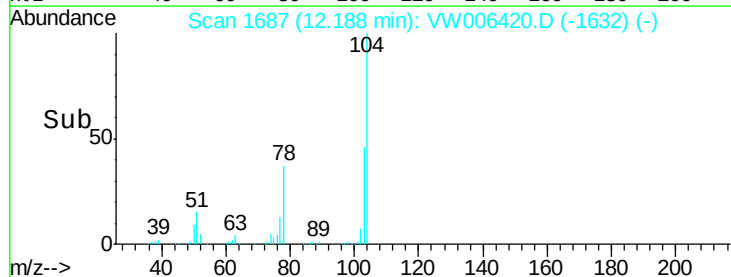
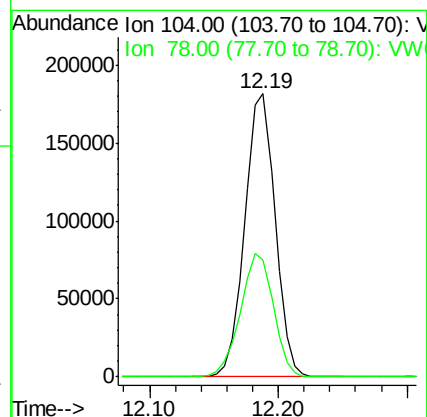
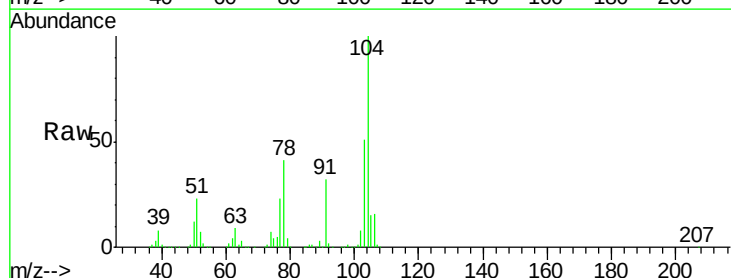
Instrument :
MSVOA_W
ClientSampled :
VSTD02509

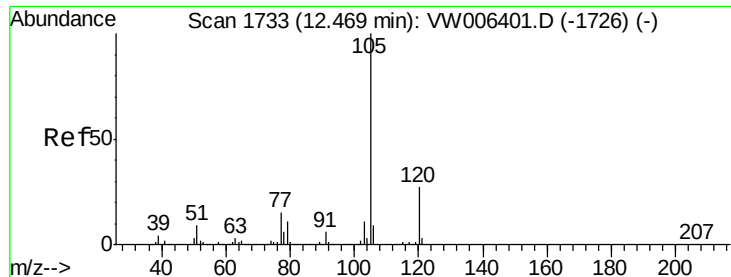
Tgt Ion:106 Resp: 175258
Ion Ratio Lower Upper
106 100
91 211.6 148.7 276.1



#56
Styrene
Concen: 26.097 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006420.D
Acq: 26 Oct 2018 21:31

Tgt Ion:104 Resp: 295213
Ion Ratio Lower Upper
104 100
78 41.3 31.2 58.0





#57

Isopropylbenzene

Concen: 27.082 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

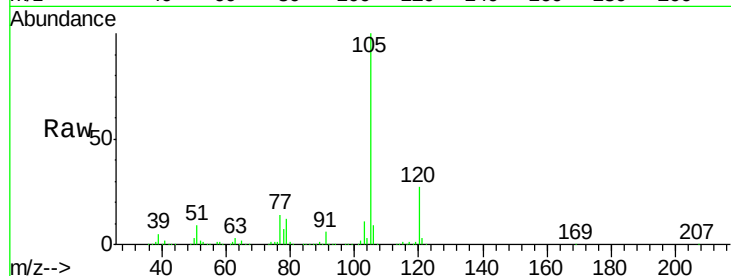
Tgt Ion: 105 Resp: 494995

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

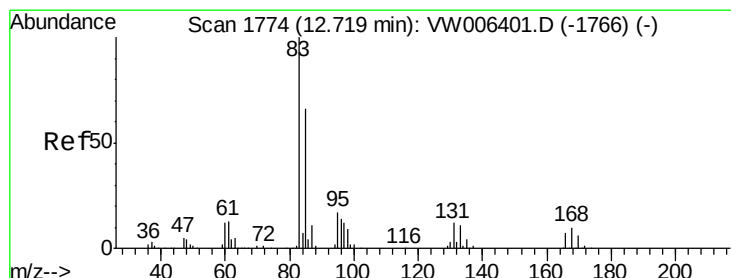
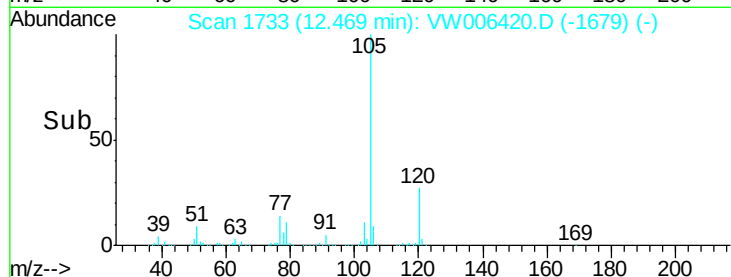
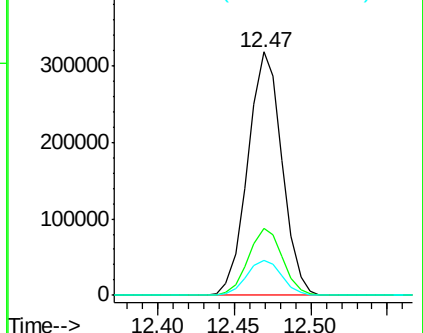
77 14.8 12.2 18.2



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: 28.510 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

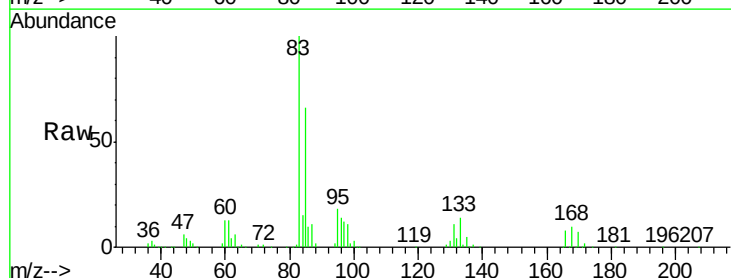
Tgt Ion: 83 Resp: 102762

Ion Ratio Lower Upper

83 100

85 66.4 44.8 83.2

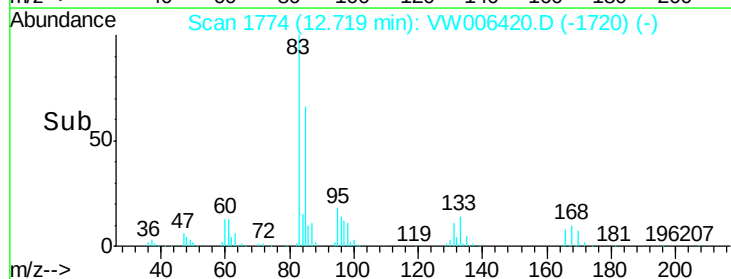
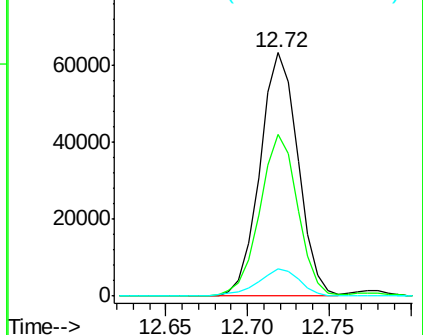
131 11.1 9.0 13.4

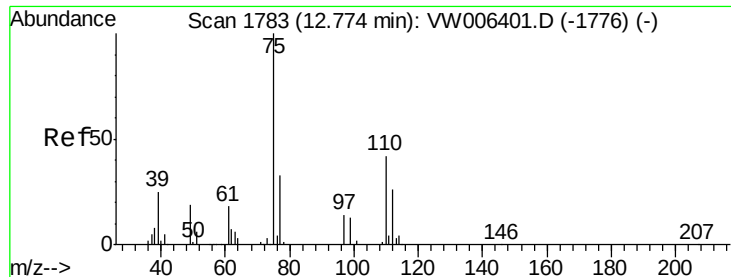


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.026 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampled :

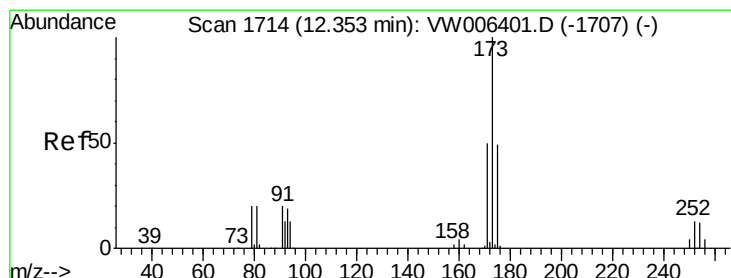
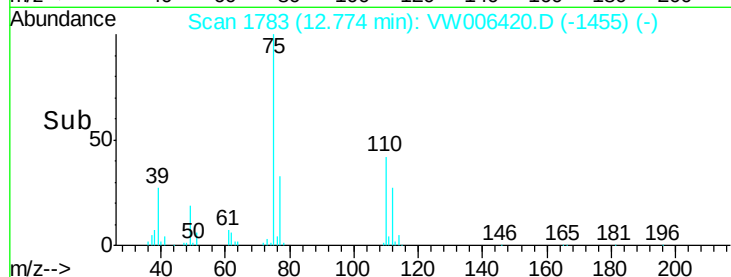
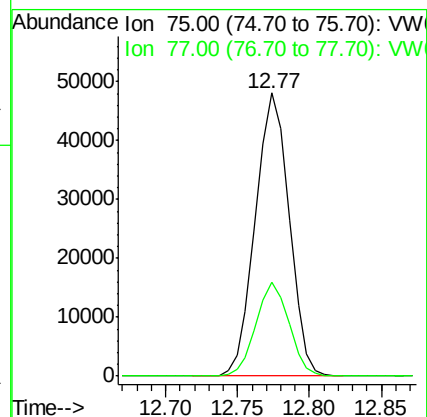
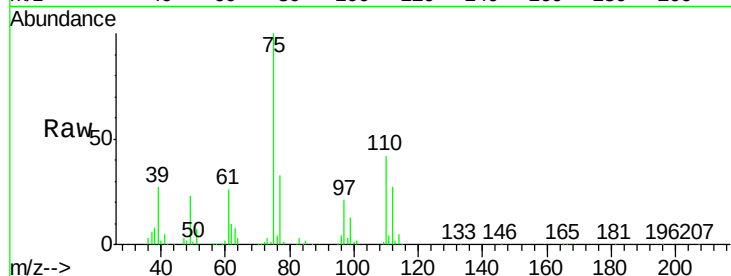
VSTD02509

Tgt Ion: 75 Resp: 78060

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#62

Bromoform

Concen: 24.522 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

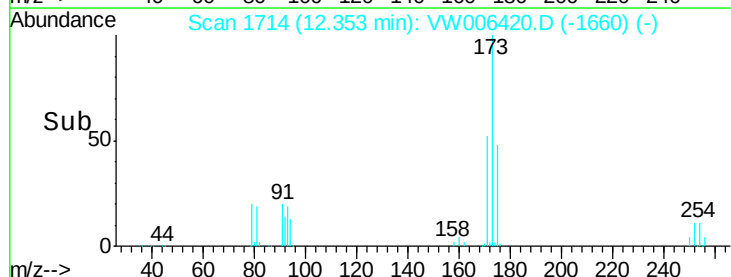
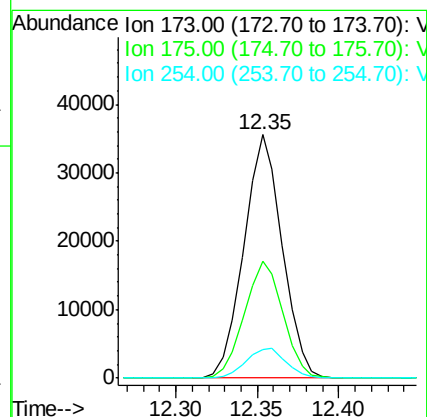
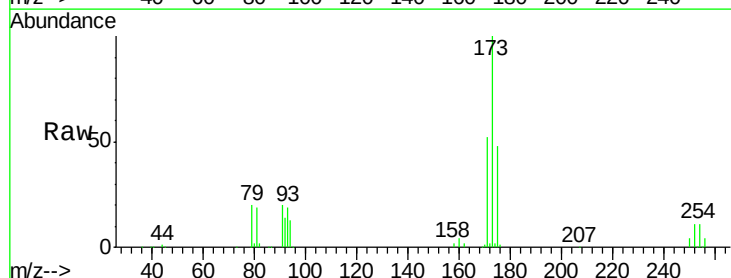
Tgt Ion: 173 Resp: 58296

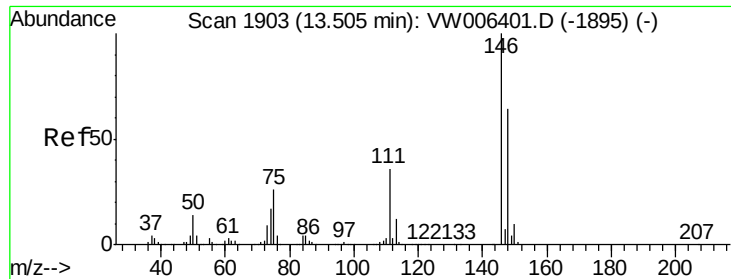
Ion Ratio Lower Upper

173 100

175 48.3 39.1 58.7

254 12.6 9.2 13.8

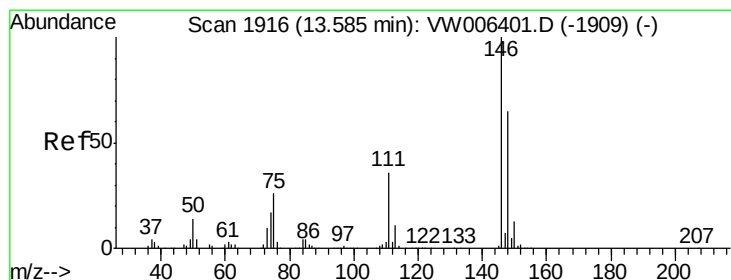
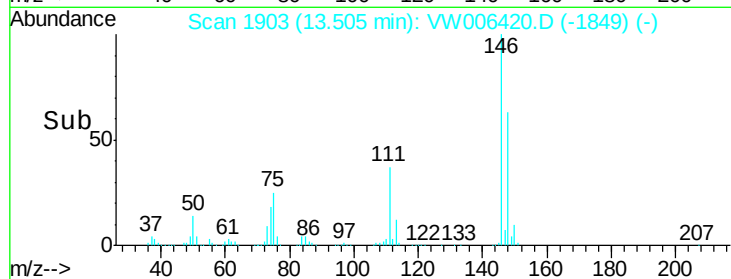
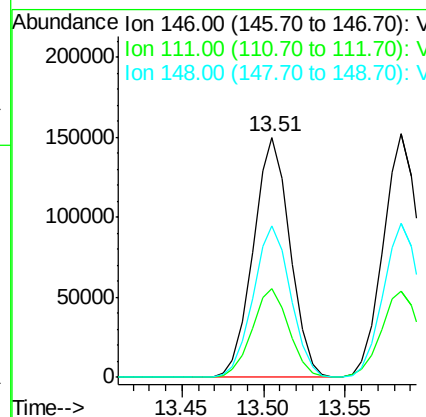
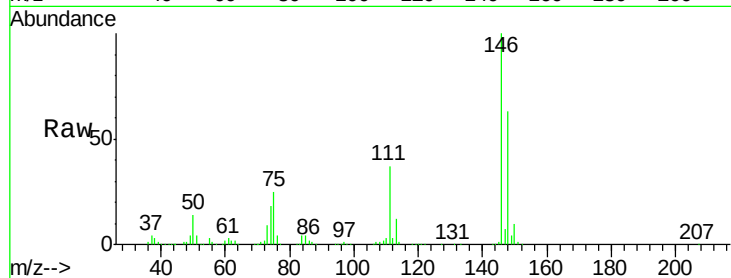




#63
 1,3-Dichlorobenzene
 Concen: 26.924 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006420.D
 Acq: 26 Oct 2018 21:31

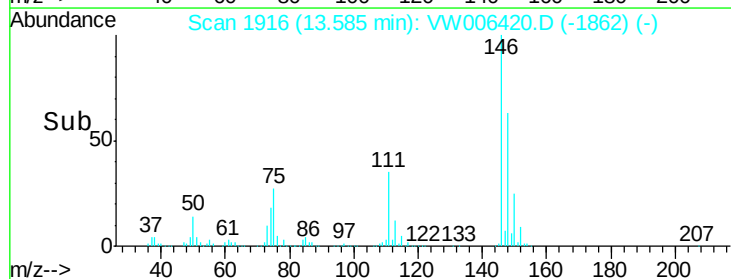
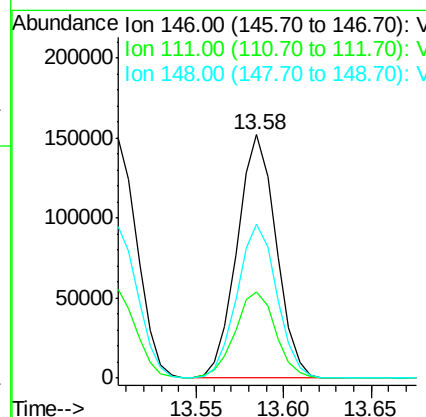
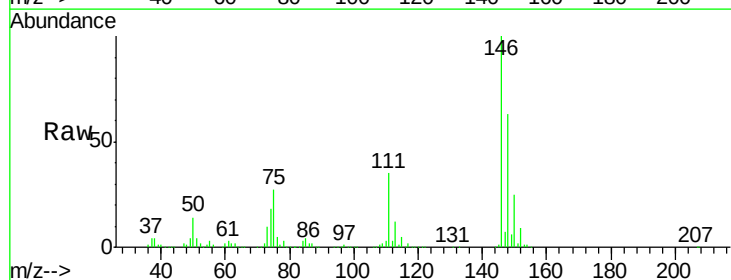
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

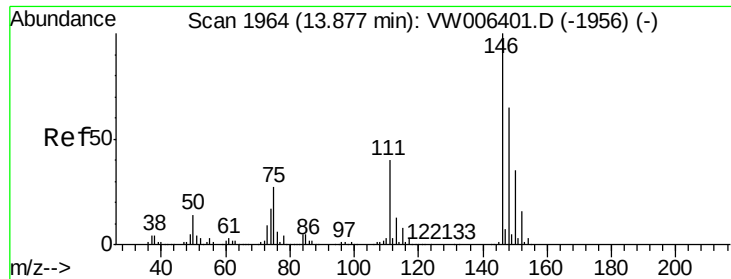
Tgt Ion:146 Resp: 234584
 Ion Ratio Lower Upper
 146 100
 111 36.7 26.3 48.9
 148 62.9 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 26.913 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006420.D
 Acq: 26 Oct 2018 21:31

Tgt Ion:146 Resp: 236130
 Ion Ratio Lower Upper
 146 100
 111 35.4 24.7 45.9
 148 63.4 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 27.344 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

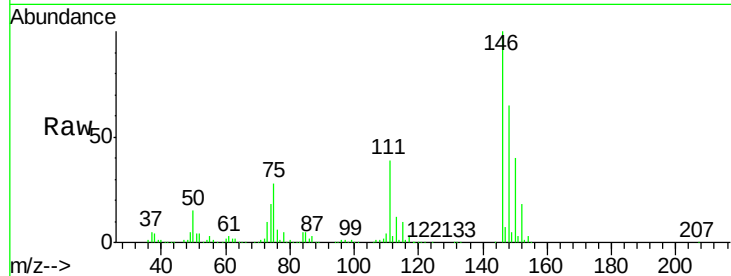
Tgt Ion:146 Resp: 219172

Ion Ratio Lower Upper

146 100

111 39.1 31.1 46.7

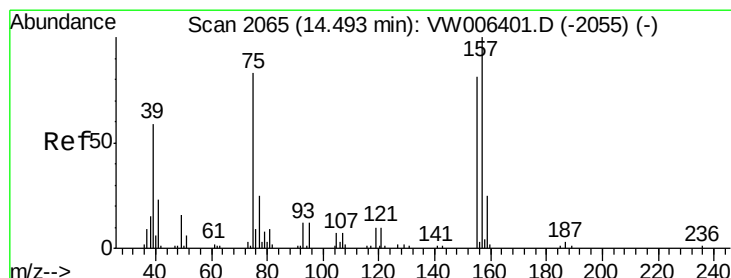
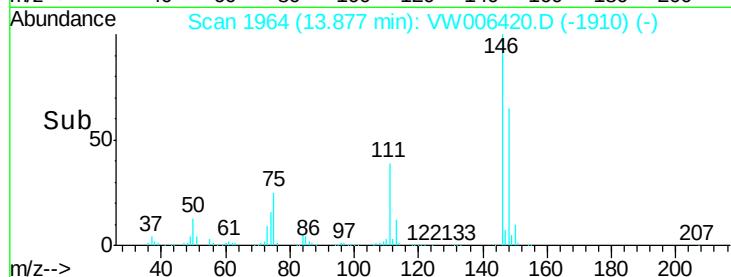
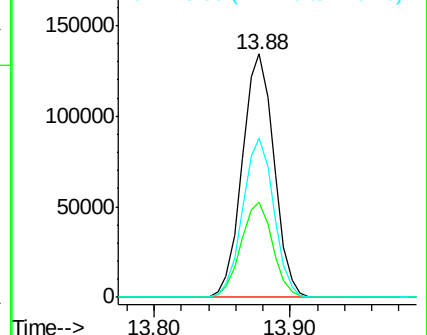
148 65.1 51.2 76.8



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: 26.727 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

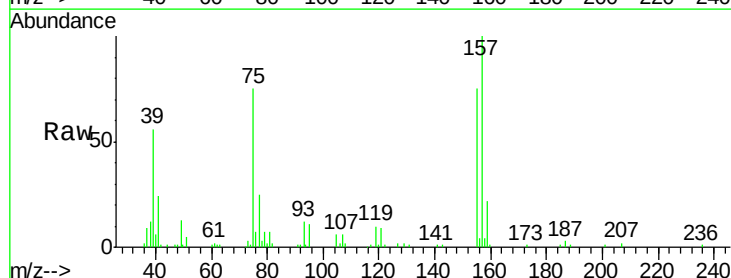
Tgt Ion: 75 Resp: 17243

Ion Ratio Lower Upper

75 100

157 134.1 106.8 160.2

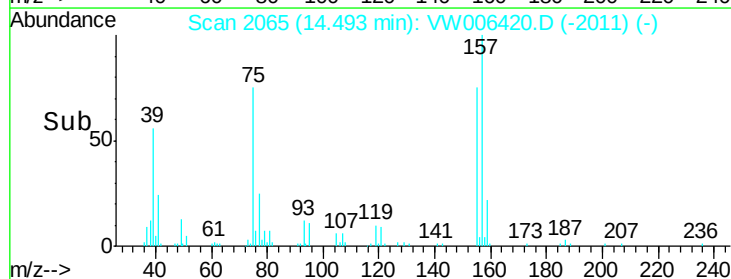
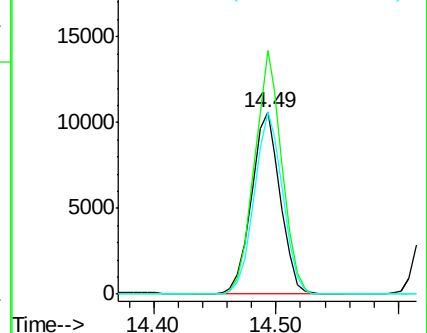
155 100.4 79.2 118.8

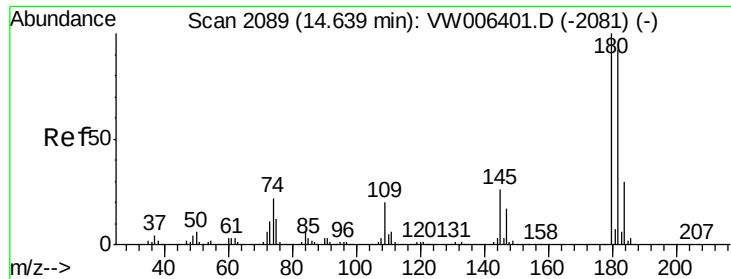


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

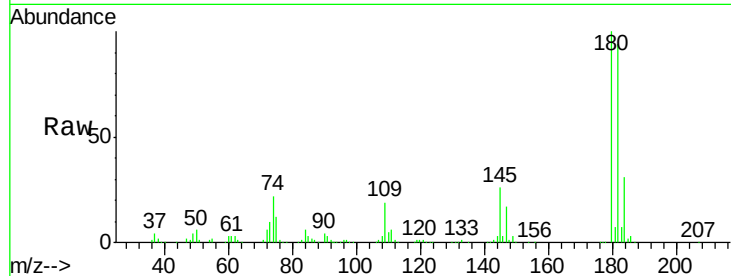




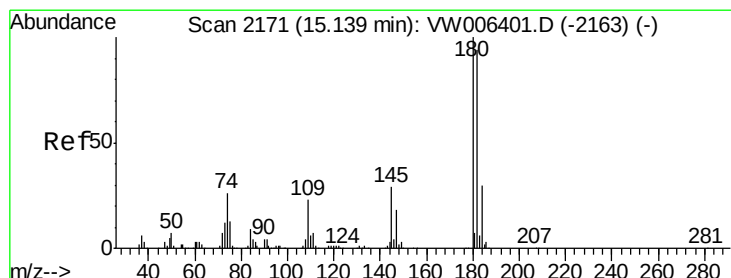
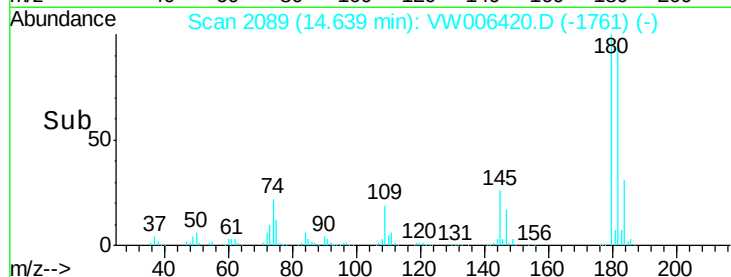
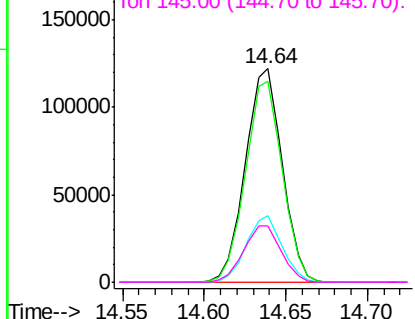
#67
 1,3,5-Trichlorobenzene
 Concen: 27.356 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW006420.D
 Acq: 26 Oct 2018 21:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion:	180	Resp:	192129
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.0	114.0
184	30.3	24.3	36.5
145	27.0	22.6	33.8

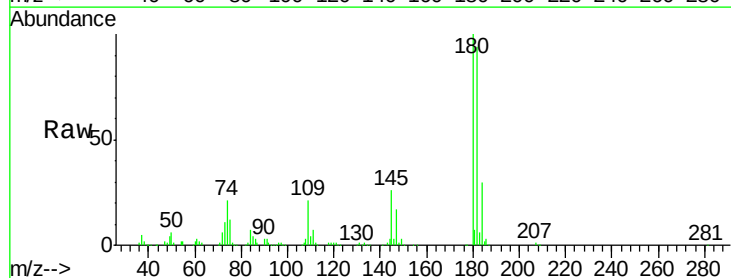


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

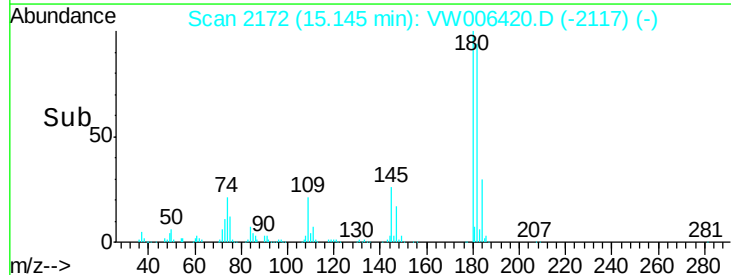
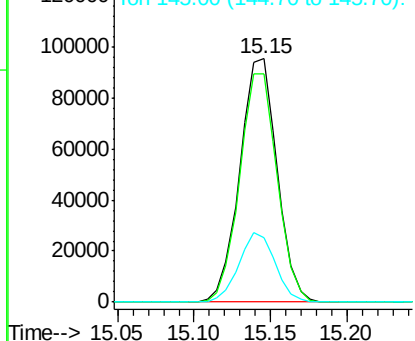


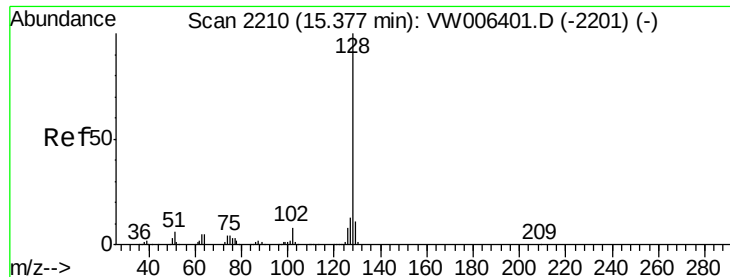
#68
 1,2,4-trichlorobenzene
 Concen: 27.002 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW006420.D
 Acq: 26 Oct 2018 21:31

Tgt Ion:	180	Resp:	161709
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.2
145	27.7	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: 27.734 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

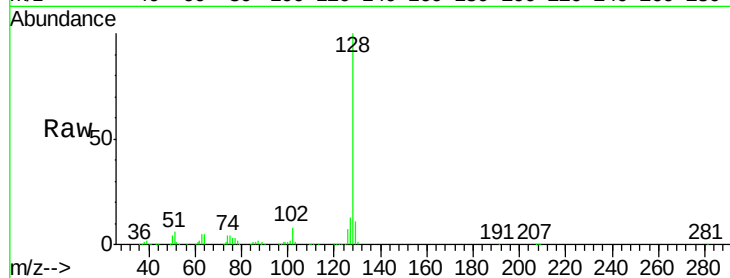
Tgt Ion:128 Resp: 336274

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

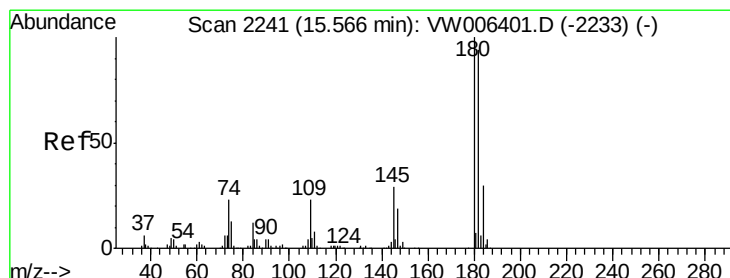
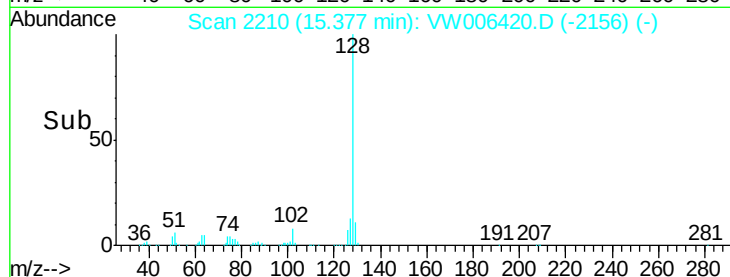
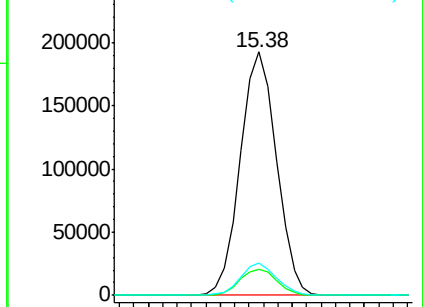
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.539 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006420.D

Acq: 26 Oct 2018 21:31

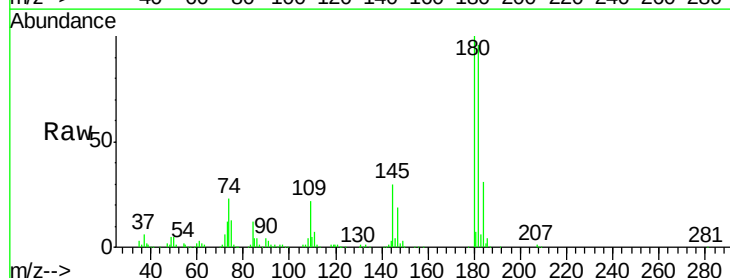
Tgt Ion:180 Resp: 148164

Ion Ratio Lower Upper

180 100

182 95.2 75.5 113.3

145 29.8 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

