

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102818\
 Data File : VW006401.D
 Acq On : 26 Oct 2018 11:42
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Quant Time: Oct 26 23:43:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 26 04:05:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	299664	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	281721	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	155483	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	94944	28.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.36%
7) Chloroethane-d5	2.89	69	86193	29.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.52%
10) 1,1-Dichloroethene-d2	4.01	63	168976	26.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.16%
20) 2-Butanone-d5	7.09	46	53234	47.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.04%
24) Chloroform-d	7.65	84	168881	26.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.08%
26) 1,2-Dichloroethane-d4	8.30	65	93776	26.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.44%
29) Benzene-d6	8.27	84	334469	26.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.60%
33) 1,2-Dichloropropane-d6	9.27	67	94419	24.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.84%
37) Toluene-d8	10.32	98	334166	26.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.52%
38) trans-1,3-Dichloropropene-	10.58	79	43368	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.48%
39) 2-Hexanone-d5	10.93	63	44583	47.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98916	26.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	137114	25.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	77842	27.484 ug/L	91
3) Chloromethane	2.21	50	75148	27.018 ug/L	99
5) Vinyl chloride	2.37	62	112233	25.035 ug/L	100
6) Bromomethane	2.79	94	83471	23.913 ug/L	98
8) Chloroethane	2.93	64	73908	26.897 ug/L	98
9) Trichlorofluoromethane	3.26	101	99449	27.729 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	96194	26.827 ug/L	99
12) 1,1-Dichloroethene	4.03	96	85815	24.943 ug/L	84
13) Acetone	4.14	43	57041	50.403 ug/L	95
14) Carbon disulfide	4.37	76	249371	22.172 ug/L	99
15) Methyl Acetate	4.68	43	44919	24.505 ug/L	95
16) Methylene chloride	4.91	84	89166	23.047 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	127172	22.708 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	93448	24.533 ug/L	97
19) 1,1-Dichloroethane	6.21	63	150677	24.445 ug/L	99
21) 2-Butanone	7.18	43	71530	47.568 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	103250	24.850 ug/L	98

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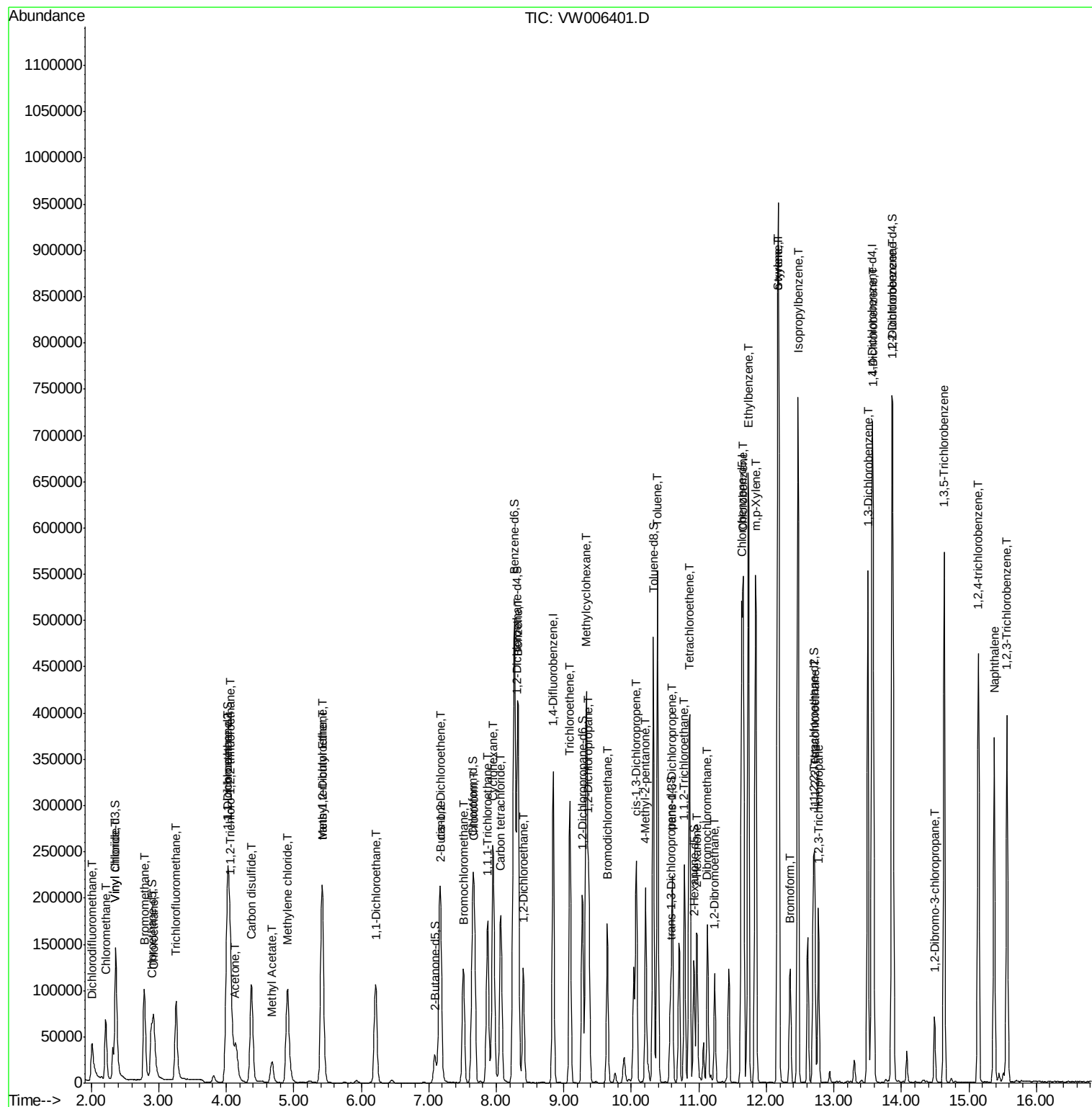
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	48863	25.003	ug/L	95
25) Chloroform	7.68	83	166678	25.121	ug/L	100
27) 1,2-Dichloroethane	8.40	62	111696	24.697	ug/L	100
30) Cyclohexane	7.95	56	144103	23.273	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	143469	24.337	ug/L	99
32) Carbon tetrachloride	8.07	117	140195	24.249	ug/L	100
34) Benzene	8.32	78	360404	24.920	ug/L	100
35) Trichloroethene	9.09	95	100354	24.662	ug/L	98
36) Methylcyclohexane	9.34	83	181810	24.386	ug/L	99
40) 1,2-Dichloropropane	9.37	63	85239	23.759	ug/L	99
41) Bromodichloromethane	9.65	83	112290	23.178	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	134825	23.008	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	129643	45.097	ug/L	97
44) Toluene	10.39	91	404075	24.883	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	119423	23.332	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	75343	25.219	ug/L	98
47) Tetrachloroethene	10.87	164	96540	25.630	ug/L	94
49) 2-Hexanone	10.97	43	100571	47.469	ug/L	96
50) Dibromochloromethane	11.13	129	89326	23.327	ug/L	99
51) 1,2-Dibromoethane	11.24	107	78059	25.101	ug/L	100
52) Chlorobenzene	11.66	112	277463	25.248	ug/L	99
53) Ethylbenzene	11.73	91	471469	24.938	ug/L	99
54) m,p-Xylene	11.84	106	182975	24.692	ug/L	97
55) o-xylene	12.17	106	174515	24.664	ug/L	98
56) Styrene	12.18	104	299285	24.562	ug/L	99
57) Isopropylbenzene	12.47	105	487071	24.740	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	100183	25.804	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	74785	25.817	ug/L	98
62) Bromoform	12.35	173	59022	22.655	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	236258	24.744	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	239722	24.932	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	220577	25.112	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16101	22.773	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	194803	25.310	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	164154	25.012	ug/L	100
69) Naphthalene	15.38	128	328157	24.696	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	149262	25.316	ug/L	99

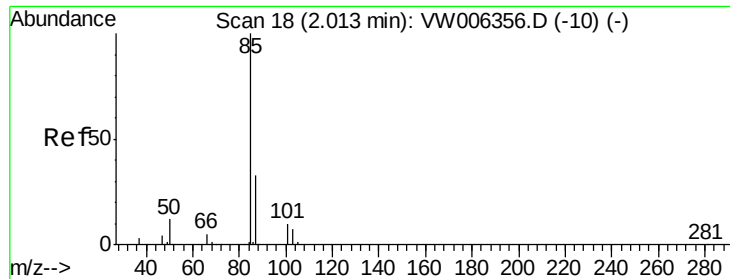
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.484 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

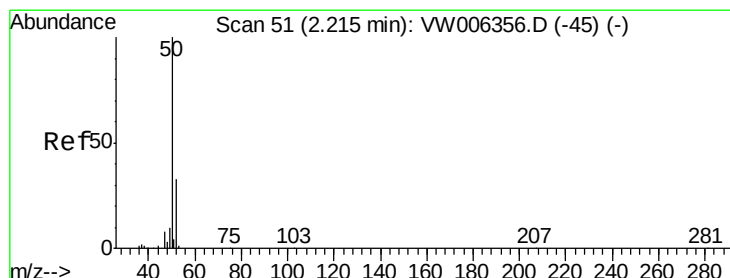
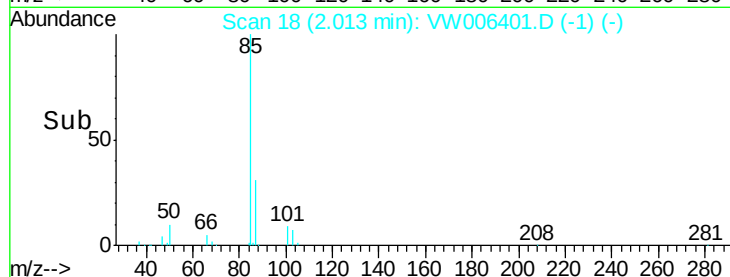
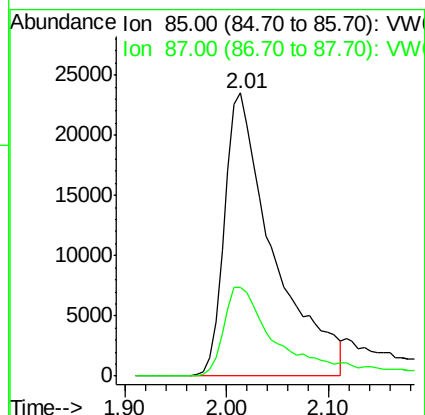
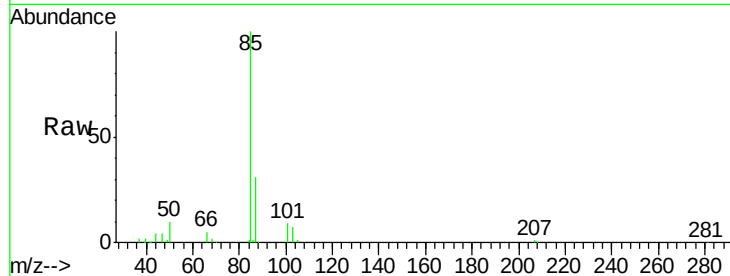
VSTD02508

Tgt Ion: 85 Resp: 77842

Ion Ratio Lower Upper

85 100

87 31.9 19.2 35.6



#3

Chloromethane

Concen: 27.018 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006401.D

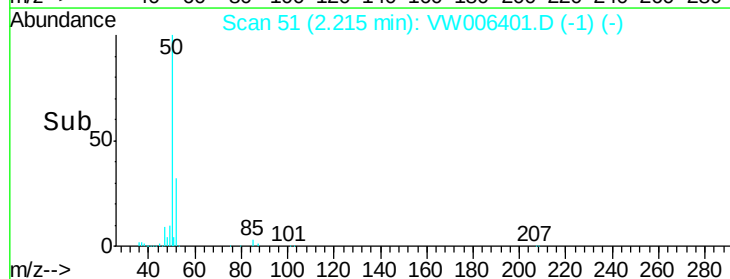
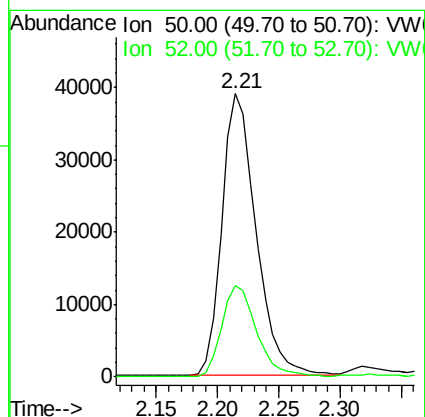
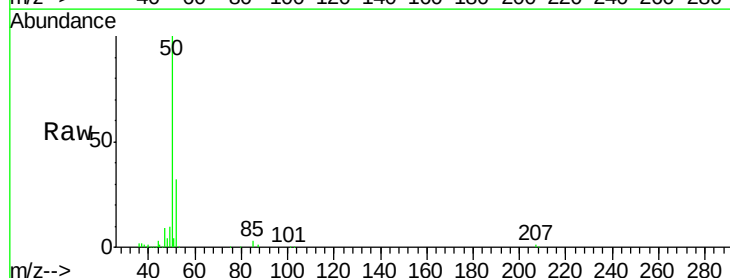
Acq: 26 Oct 2018 11:42

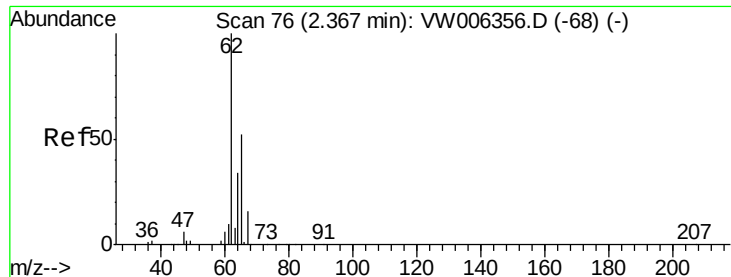
Tgt Ion: 50 Resp: 75148

Ion Ratio Lower Upper

50 100

52 32.4 22.3 41.3





#5

Vinyl chloride

Concen: 25.035 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

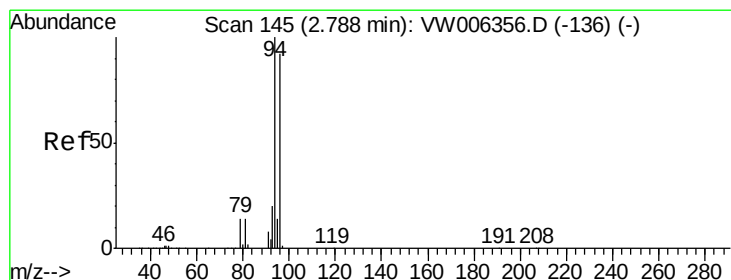
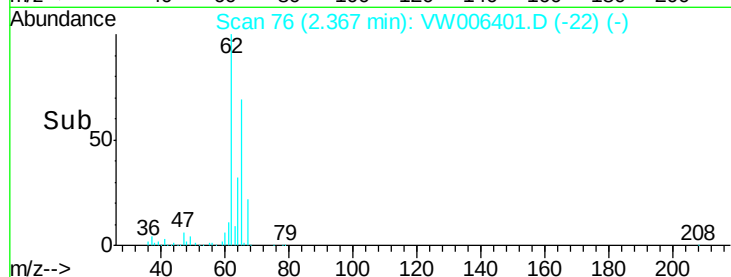
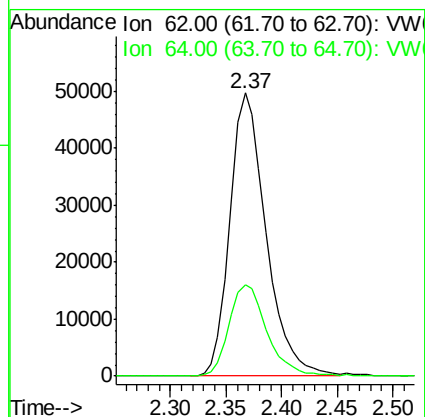
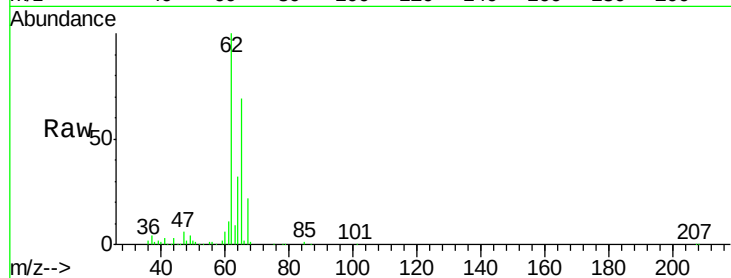
VSTD02508

Tgt Ion: 62 Resp: 112233

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



#6

Bromomethane

Concen: 23.913 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006401.D

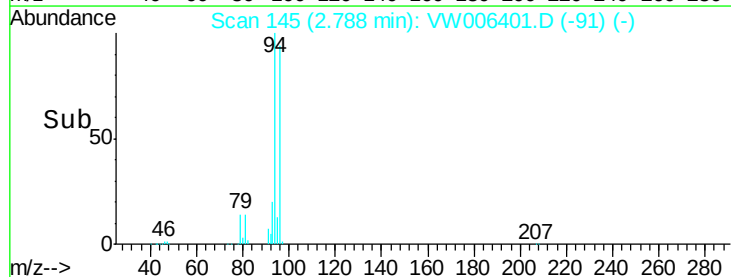
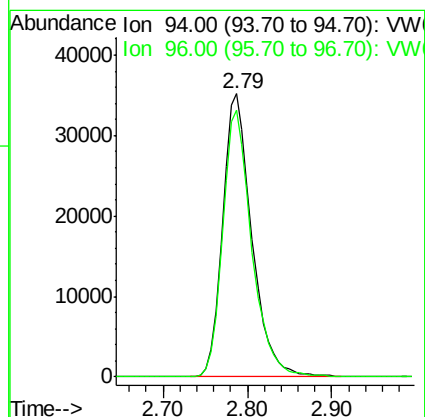
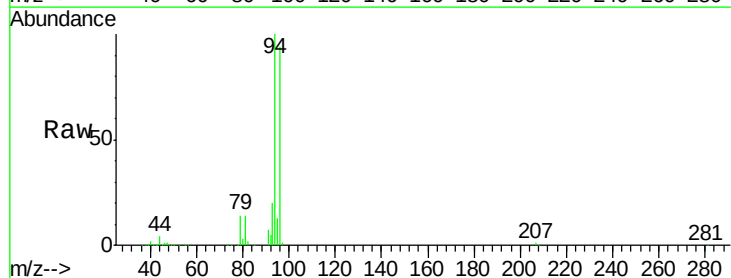
Acq: 26 Oct 2018 11:42

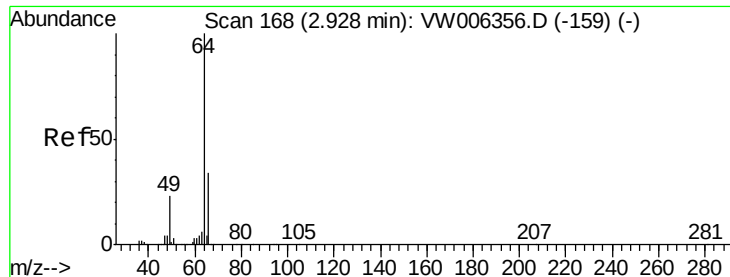
Tgt Ion: 94 Resp: 83471

Ion Ratio Lower Upper

94 100

96 93.6 9.5 181.3





#8

Chloroethane

Concen: 26.897 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

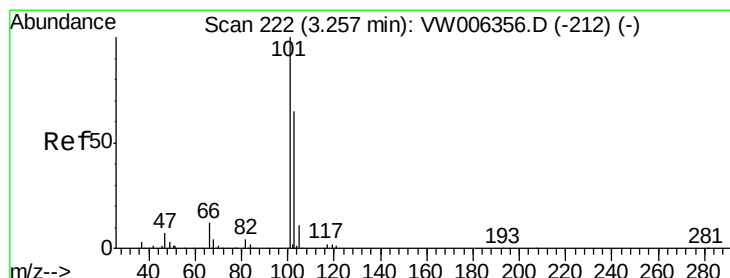
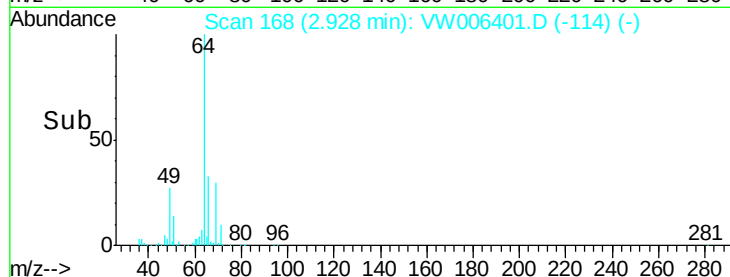
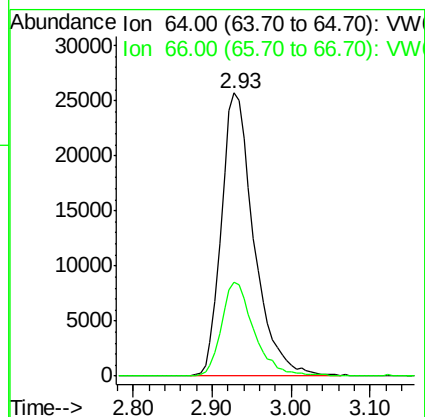
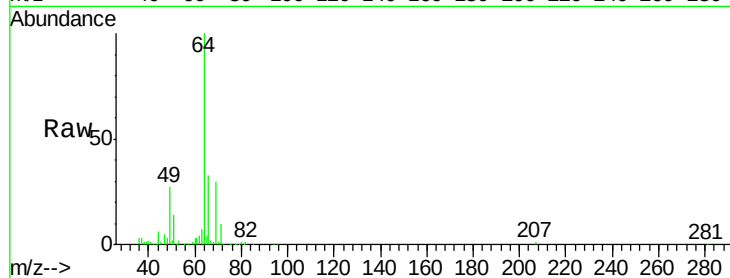
VSTD02508

Tgt Ion: 64 Resp: 73908

Ion Ratio Lower Upper

64 100

66 33.4 22.7 42.1



#9

Trichlorofluoromethane

Concen: 27.729 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW006401.D

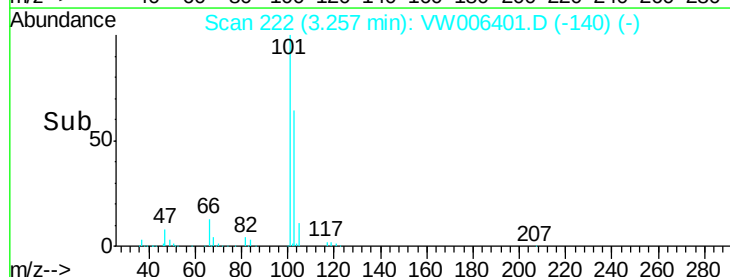
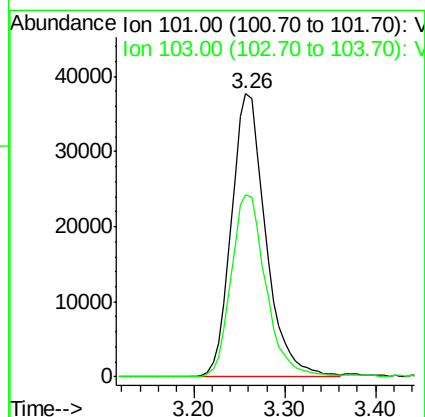
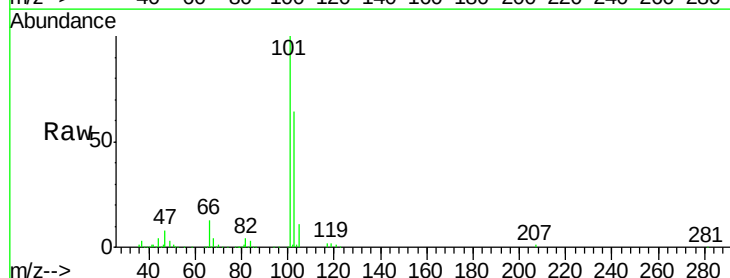
Acq: 26 Oct 2018 11:42

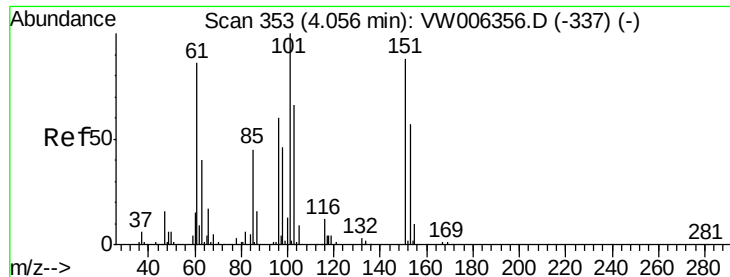
Tgt Ion: 101 Resp: 99449

Ion Ratio Lower Upper

101 100

103 64.7 45.6 84.6





#11

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

Concen: 26.827 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

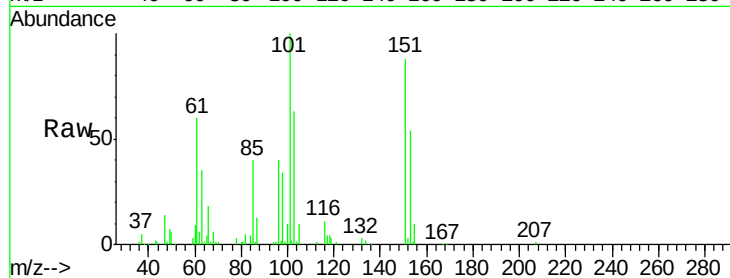
Tgt Ion:101 Resp: 96194

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.2

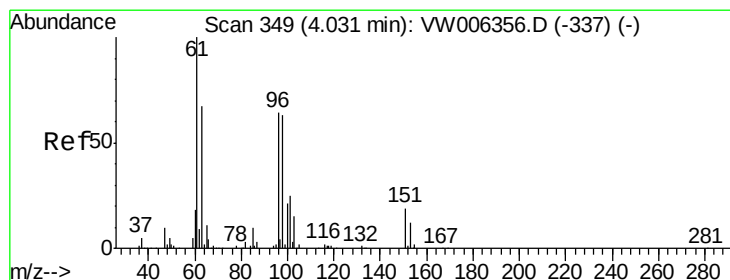
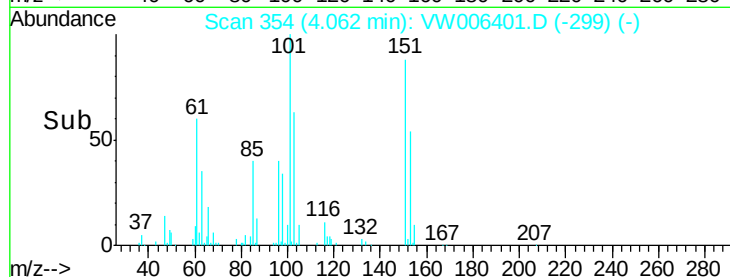
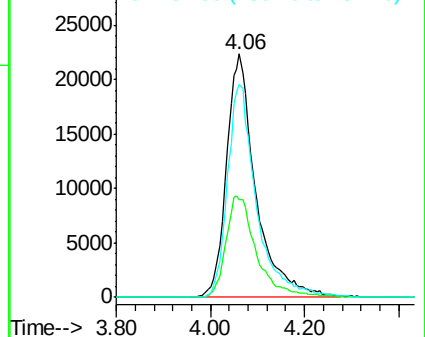
151 85.1 68.7 103.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.943 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

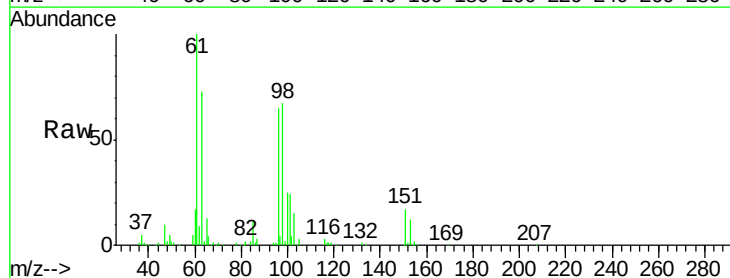
Tgt Ion: 96 Resp: 85815

Ion Ratio Lower Upper

96 100

61 153.4 112.3 208.7

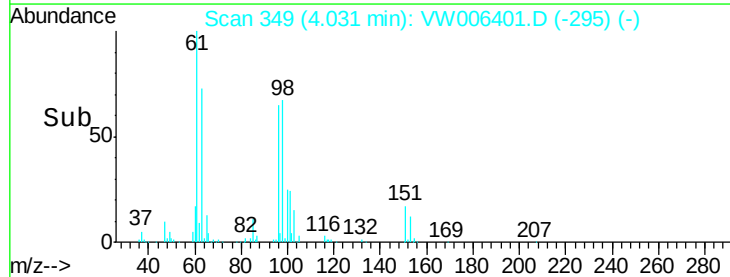
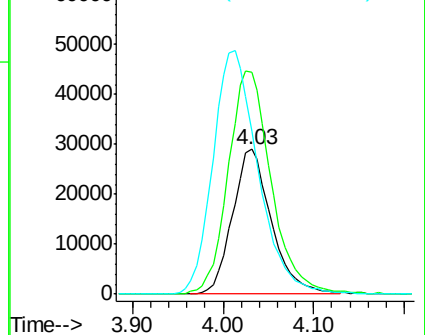
63 112.1 102.6 190.6

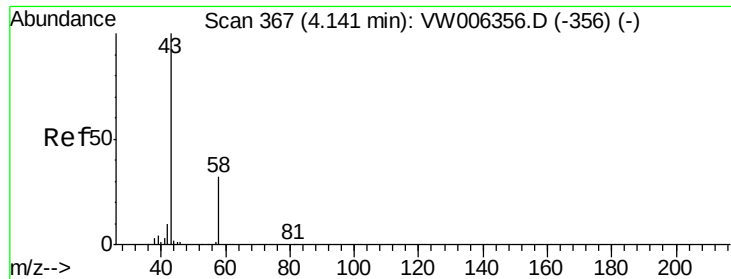


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.403 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW006401.D

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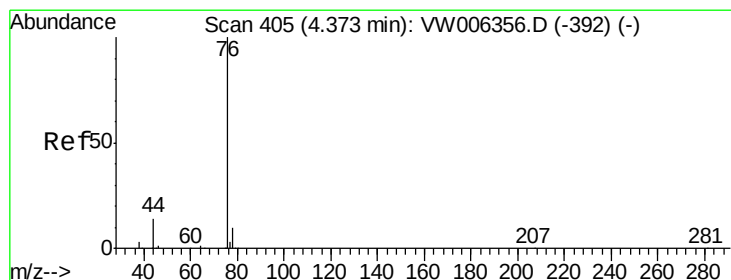
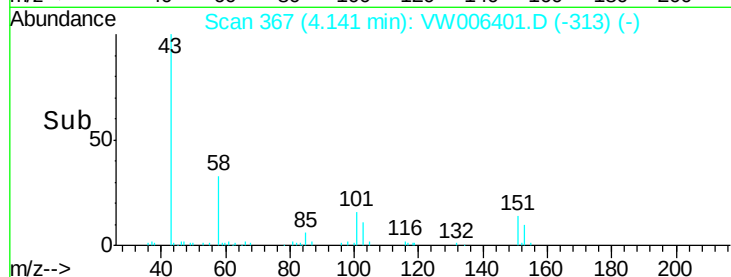
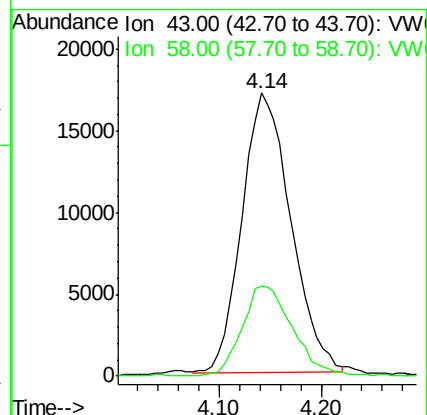
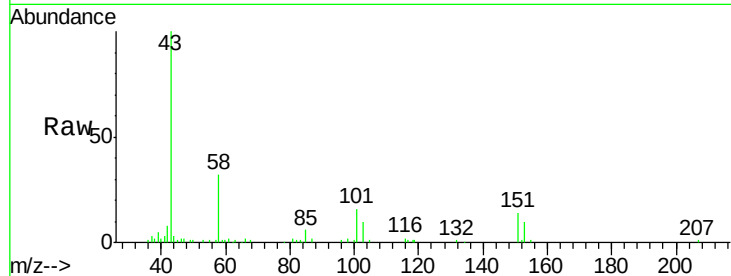
VSTD02508

Tgt Ion: 43 Resp: 57041

Ion Ratio Lower Upper

43 100

58 33.3 0.0 61.2



#14

Carbon disulfide

Concen: 22.172 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW006401.D

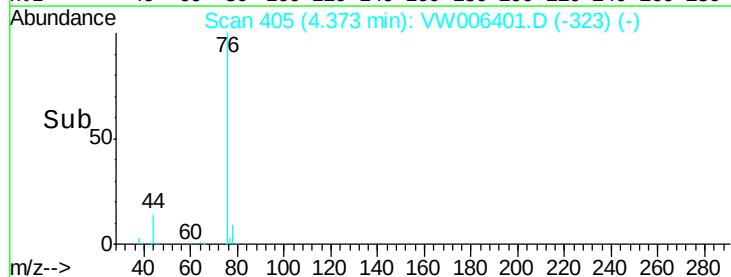
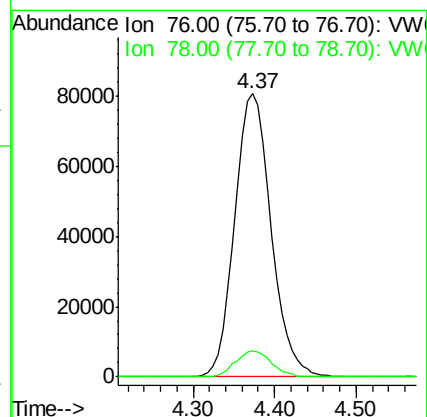
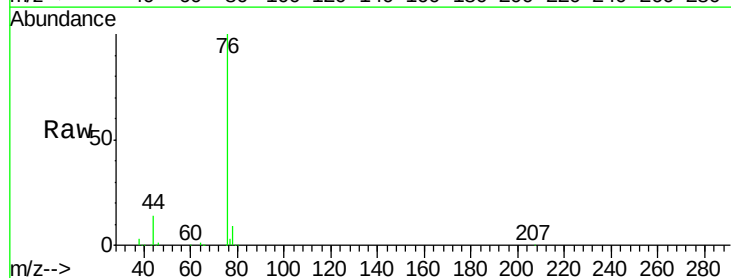
Acq: 26 Oct 2018 11:42

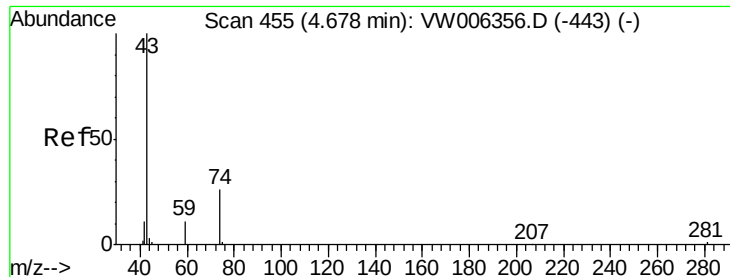
Tgt Ion: 76 Resp: 249371

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4





#15

Methyl Acetate

Concen: 24.505 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

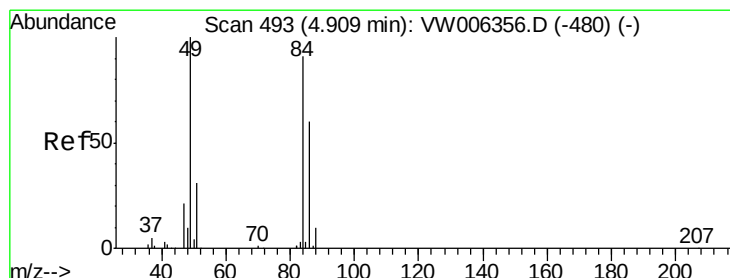
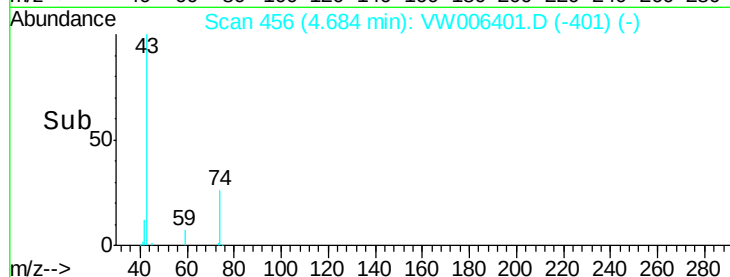
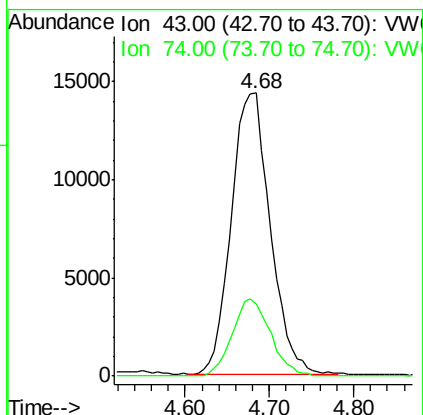
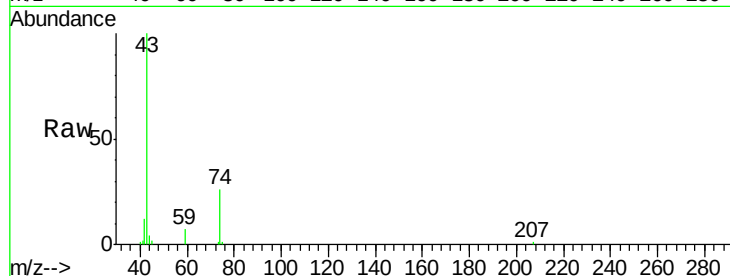
VSTD02508

Tgt Ion: 43 Resp: 44919

Ion Ratio Lower Upper

43 100

74 26.8 19.4 29.2



#16

Methylene chloride

Concen: 23.047 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

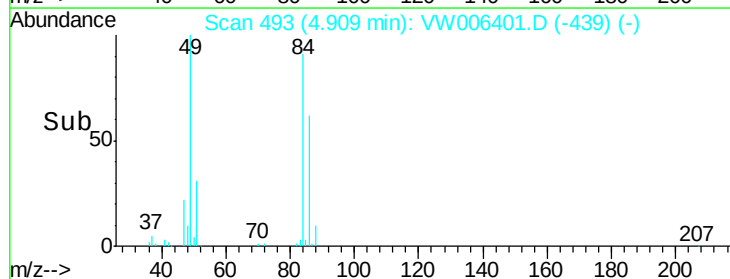
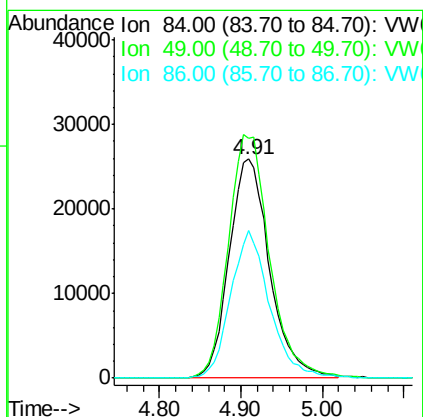
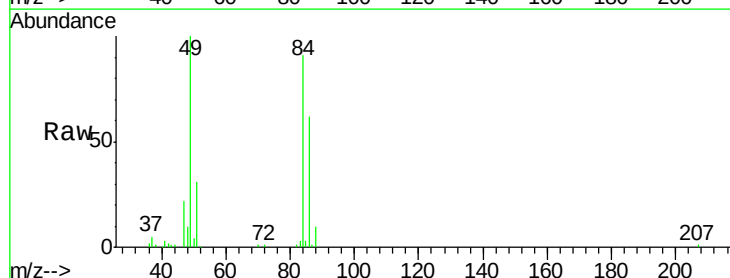
Tgt Ion: 84 Resp: 89166

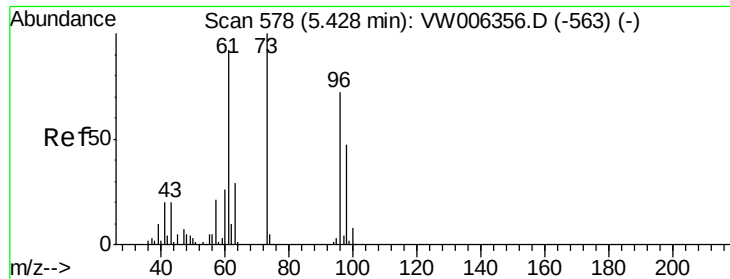
Ion Ratio Lower Upper

84 100

49 109.8 83.5 155.1

86 67.6 44.9 83.5

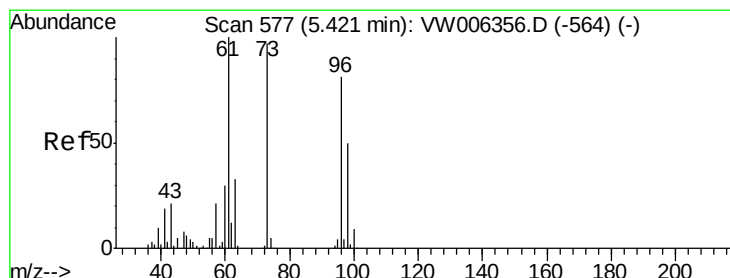
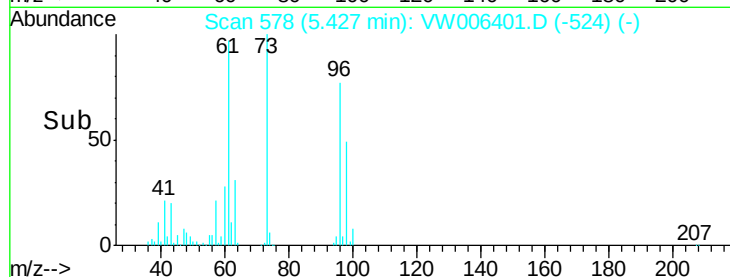
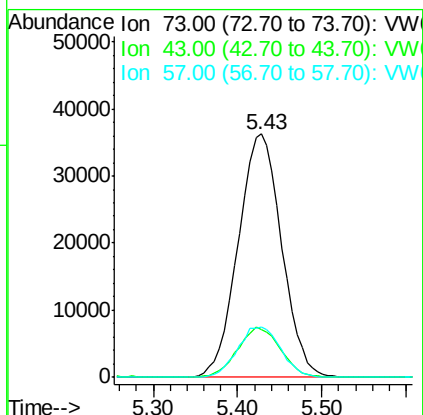
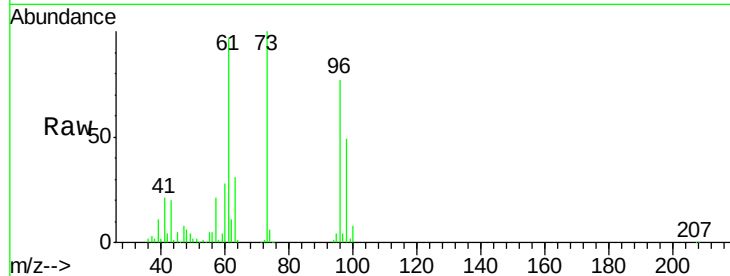




#17
Methyl tert-butyl Ether
Concen: 22.708 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

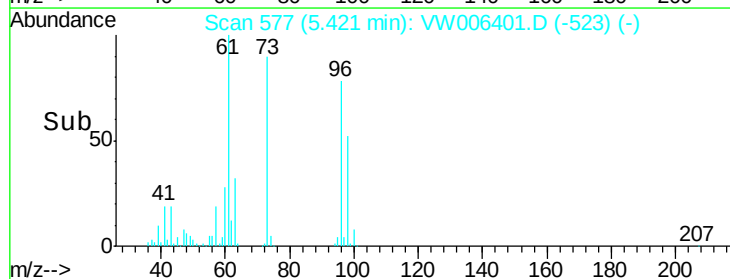
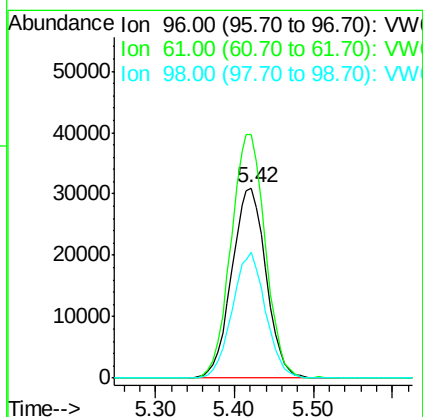
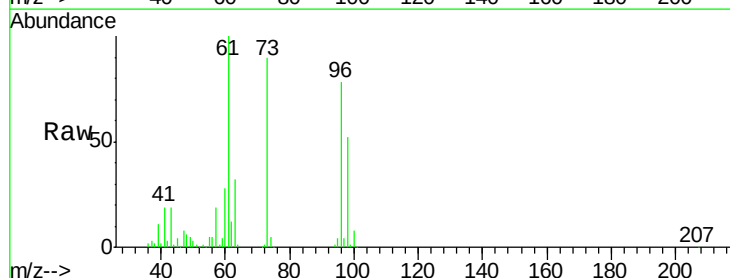
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

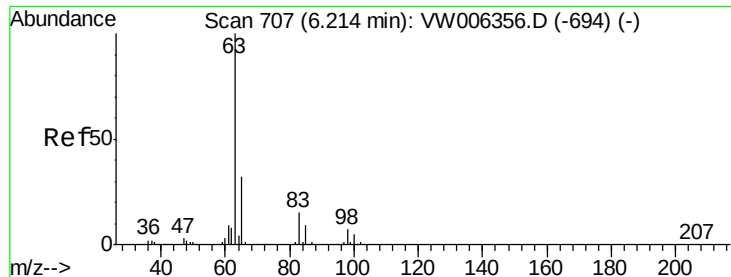
Tgt Ion: 73 Resp: 127172
Ion Ratio Lower Upper
73 100
43 20.4 17.0 25.4
57 20.8 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 24.533 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

Tgt Ion: 96 Resp: 93448
Ion Ratio Lower Upper
96 100
61 127.8 89.0 165.2
98 66.0 42.4 78.6

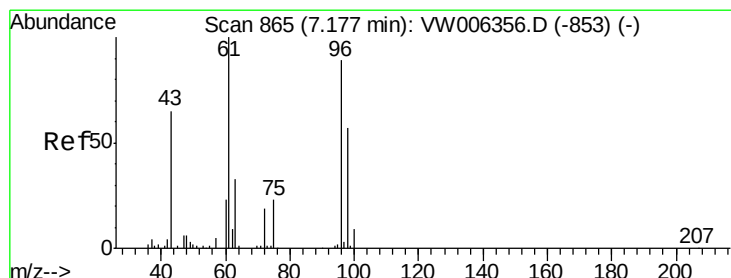
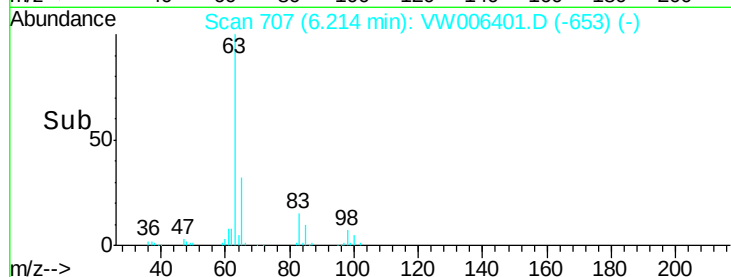
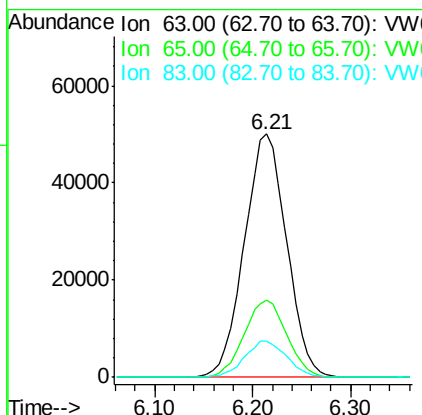
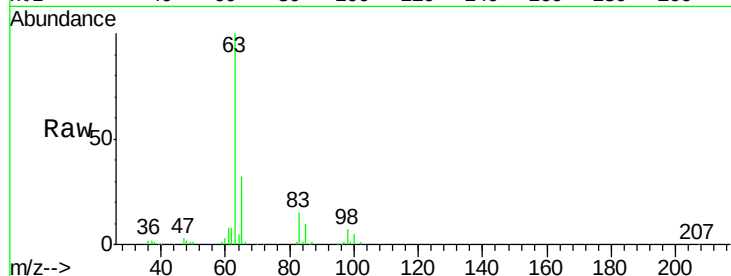




#19
 1,1-Dichloroethane
 Concen: 24.445 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW006401.D
 Acq: 26 Oct 2018 11:42

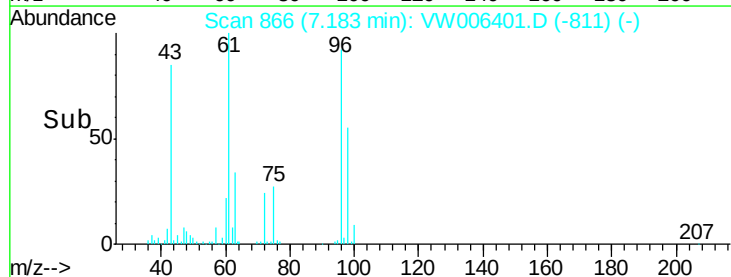
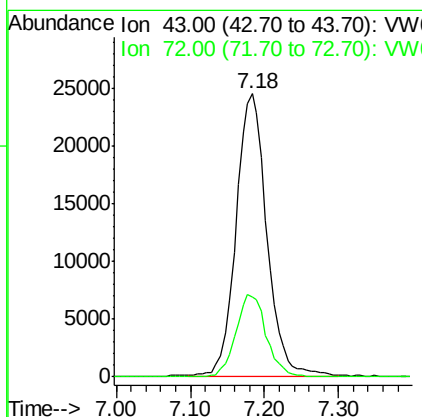
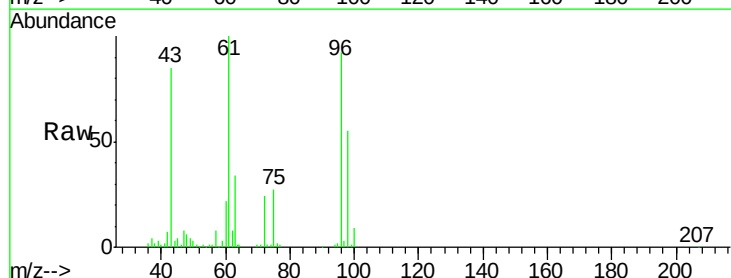
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

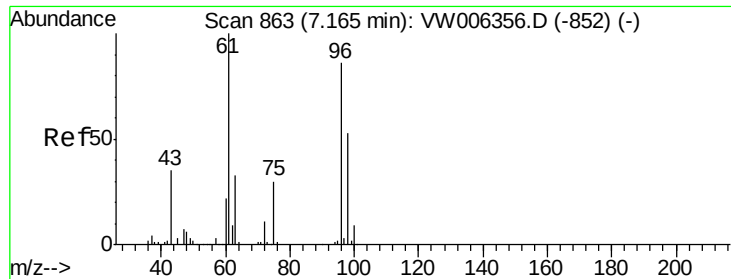
Tgt Ion: 63 Resp: 150677
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.3 41.5
 83 14.7 9.7 18.1



#21
 2-Butanone
 Concen: 47.568 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW006401.D
 Acq: 26 Oct 2018 11:42

Tgt Ion: 43 Resp: 71530
 Ion Ratio Lower Upper
 43 100
 72 28.6 13.8 41.4



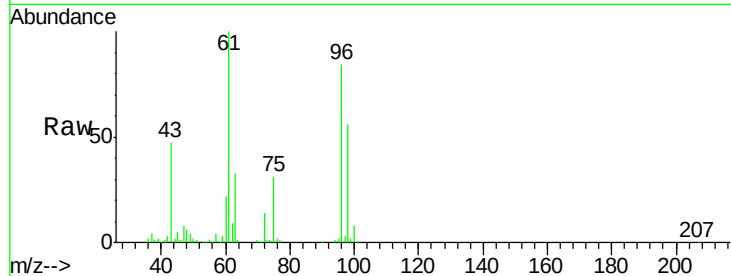


#22

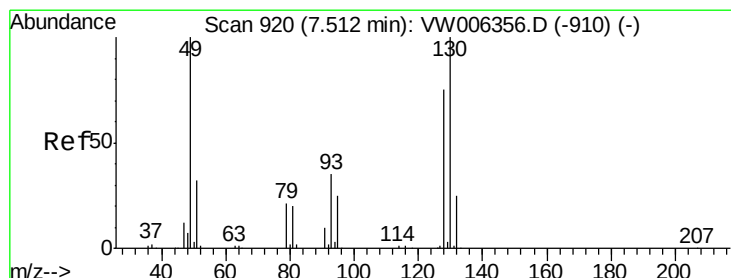
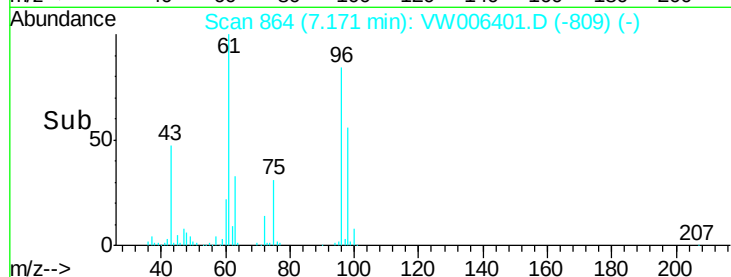
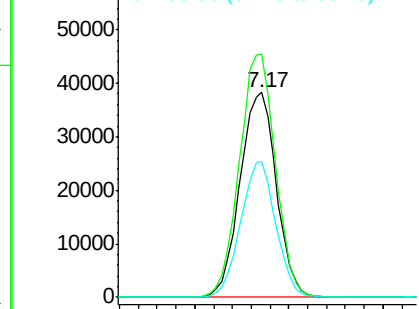
cis-1,2-Dichloroethene
Concen: 24.850 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Tgt Ion: 96 Resp: 103250
Ion Ratio Lower Upper
96 100
61 118.9 85.1 158.1
98 66.4 46.3 86.1



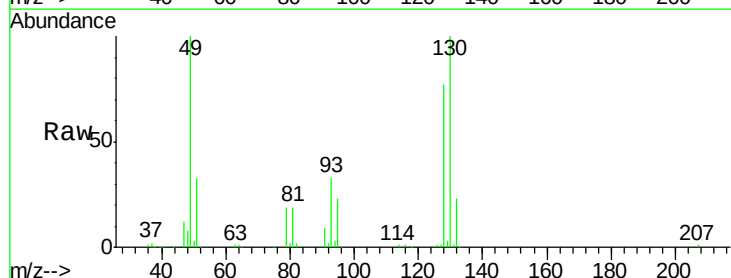
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



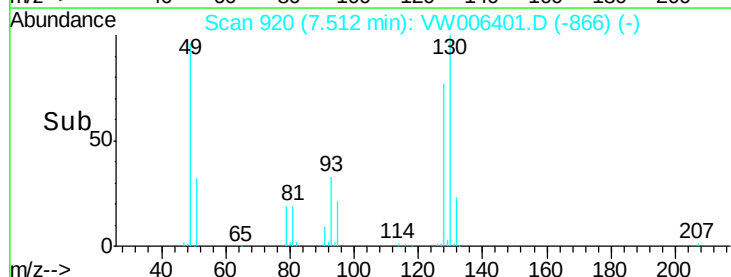
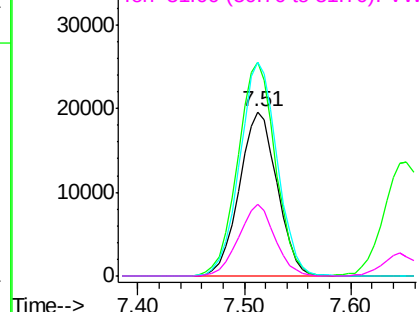
#23

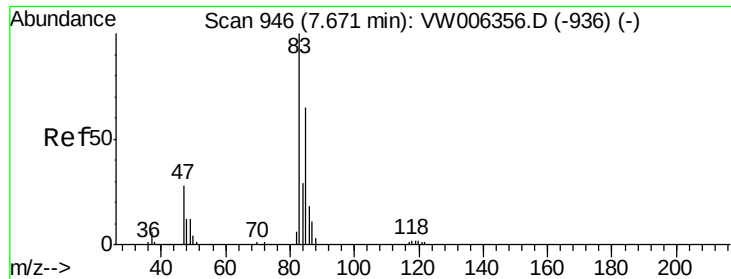
Bromochloromethane
Concen: 25.003 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

Tgt Ion: 128 Resp: 48863
Ion Ratio Lower Upper
128 100
49 130.3 95.2 176.8
130 130.2 86.3 160.3
51 43.4 33.8 50.8



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

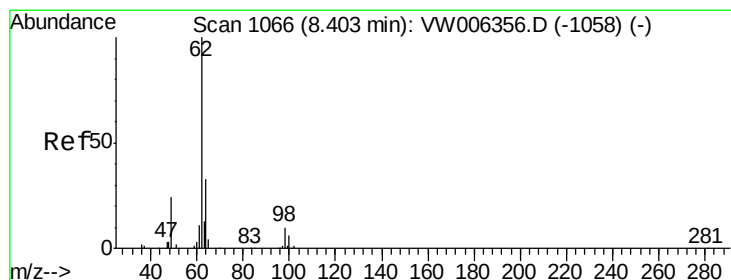
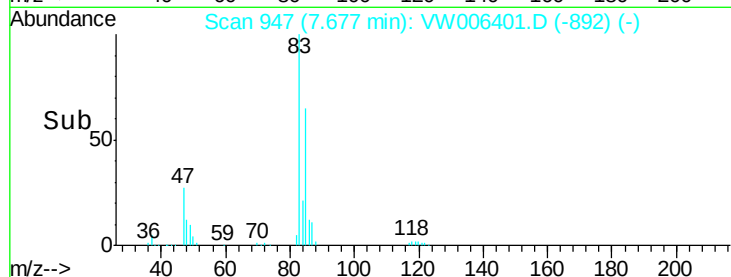
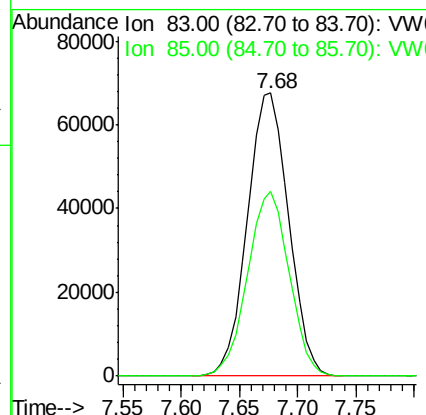
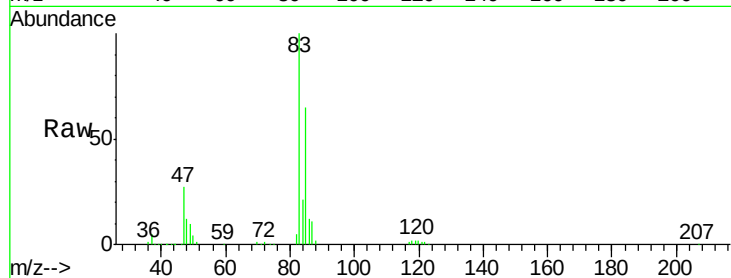




#25
Chloroform
Concen: 25.121 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

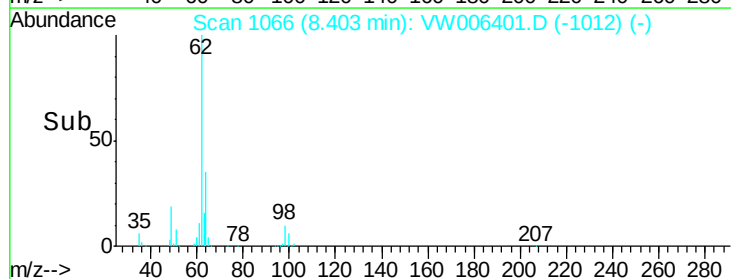
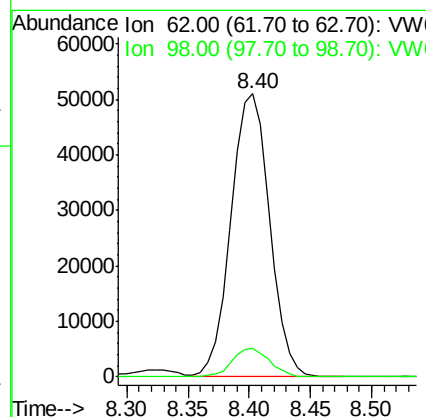
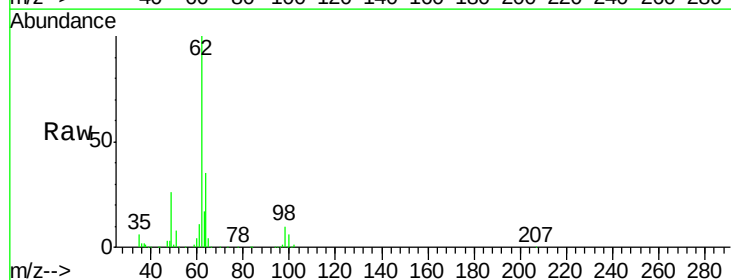
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

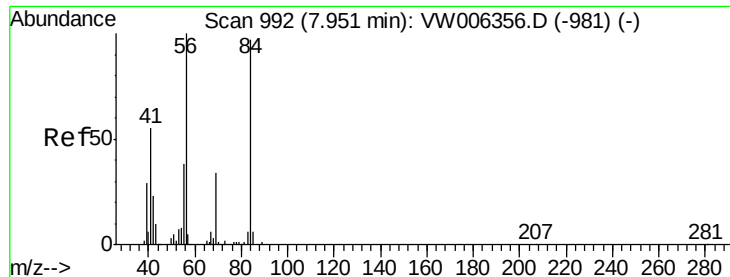
Tgt Ion: 83 Resp: 166678
Ion Ratio Lower Upper
83 100
85 66.0 46.3 85.9



#27
1,2-Dichloroethane
Concen: 24.697 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

Tgt Ion: 62 Resp: 111696
Ion Ratio Lower Upper
62 100
98 9.9 8.0 12.0

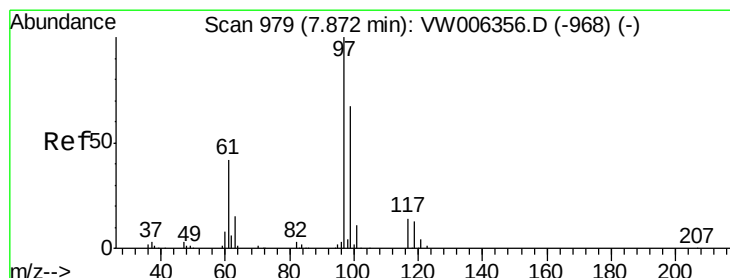
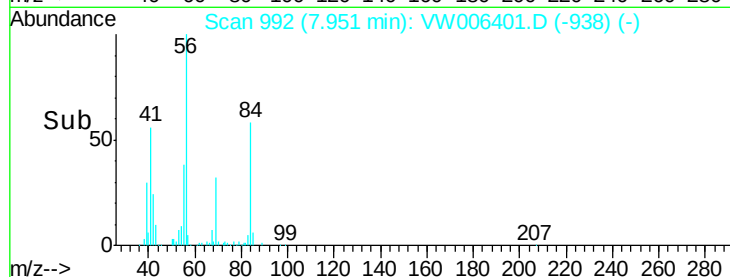
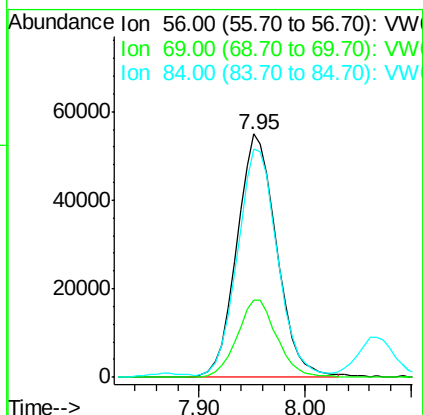
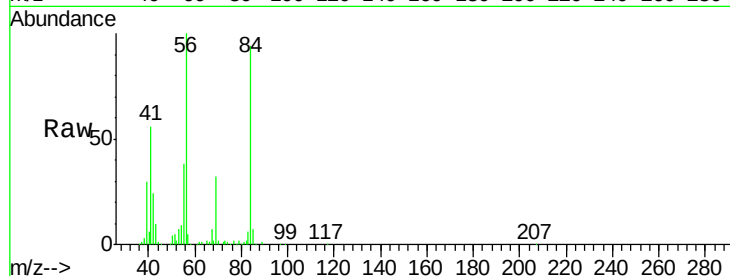




#30
Cyclohexane
Concen: 23.273 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

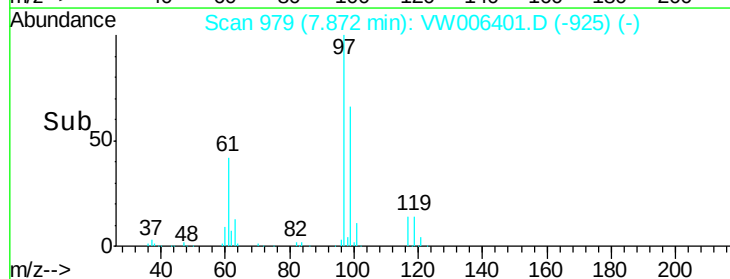
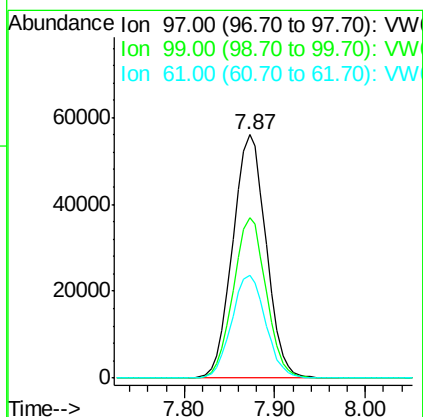
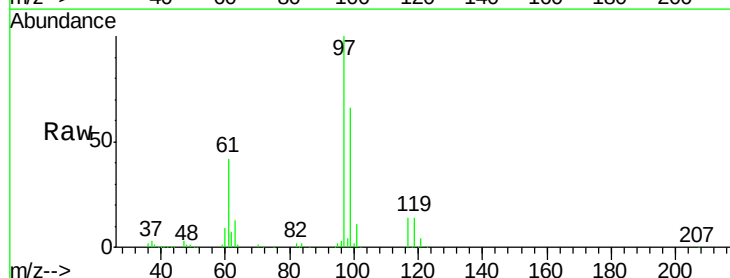
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

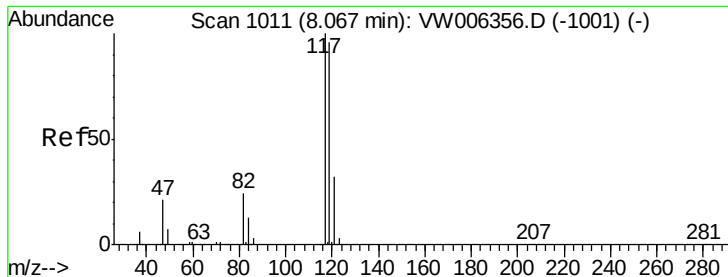
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.4	38.0
84	94.5	73.9	110.9



#31
1,1,1-Trichloroethane
Concen: 24.337 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.4
61	42.8	33.6	50.4





#32

Carbon tetrachloride

Concen: 24.249 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

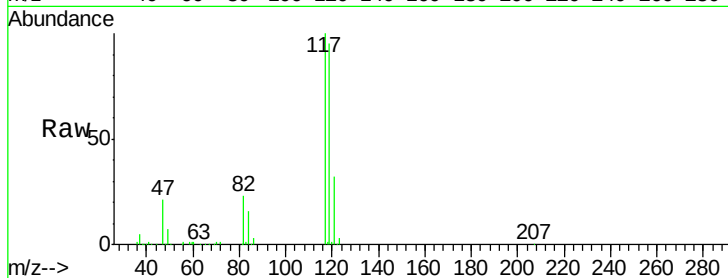
VSTD02508

Tgt Ion:117 Resp: 140195

Ion Ratio Lower Upper

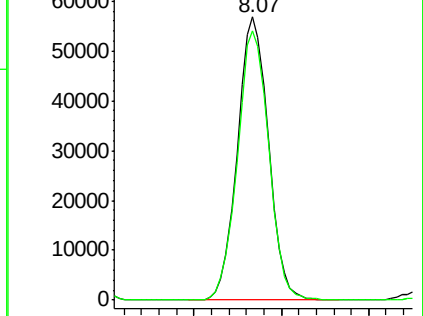
117 100

119 95.7 76.9 115.3

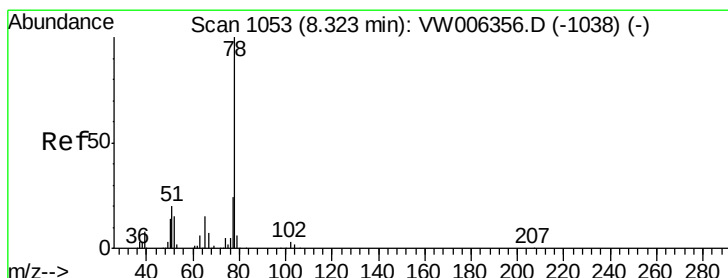
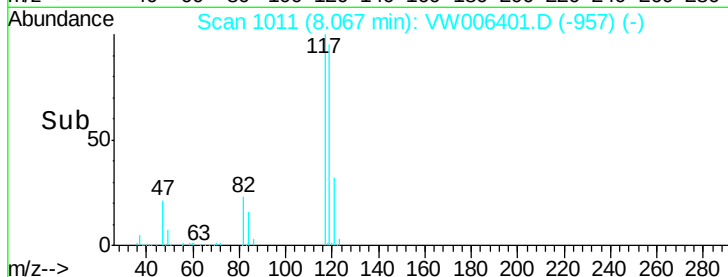


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 24.920 ug/L

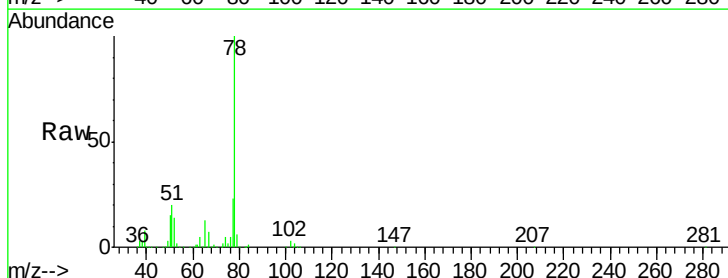
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

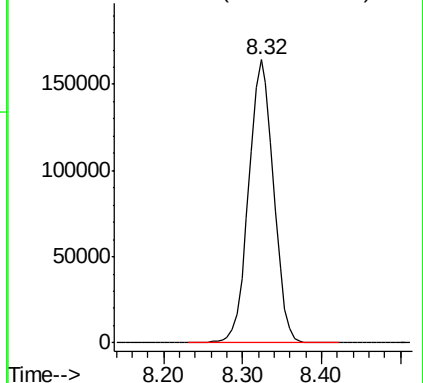
Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

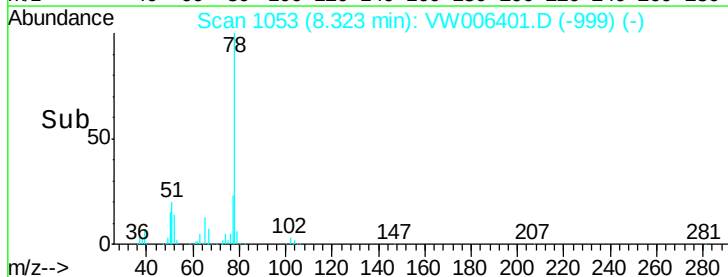
Tgt Ion: 78 Resp: 360404

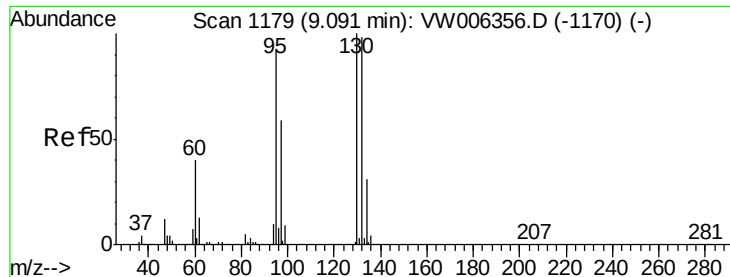


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 24.662 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 95 Resp: 100354

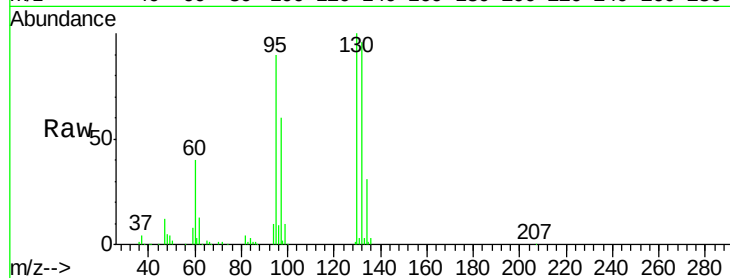
Ion Ratio Lower Upper

95 100

97 65.6 45.8 85.0

132 106.2 72.9 135.3

130 110.4 75.8 140.8

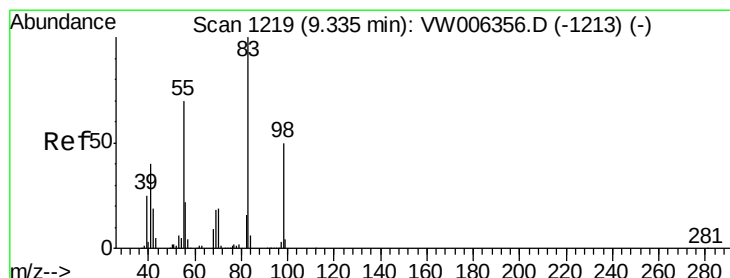
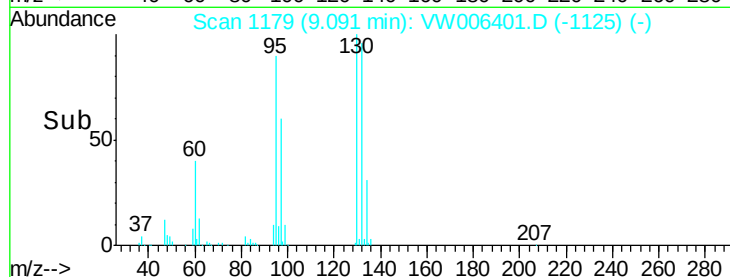
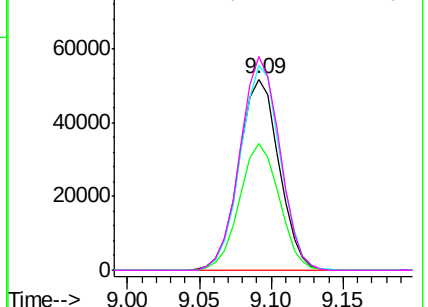


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.386 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

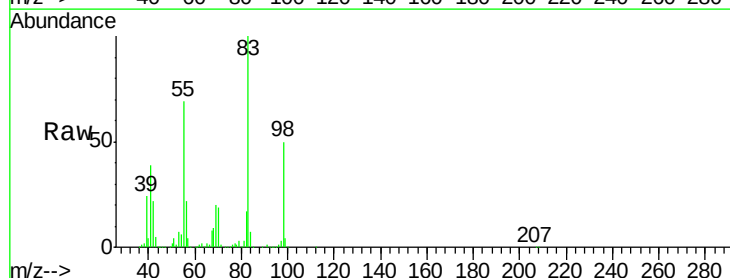
Tgt Ion: 83 Resp: 181810

Ion Ratio Lower Upper

83 100

55 70.1 57.1 85.7

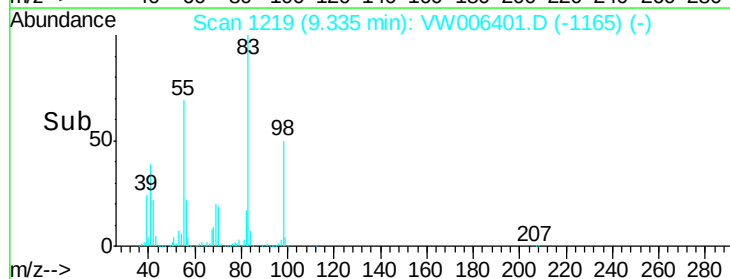
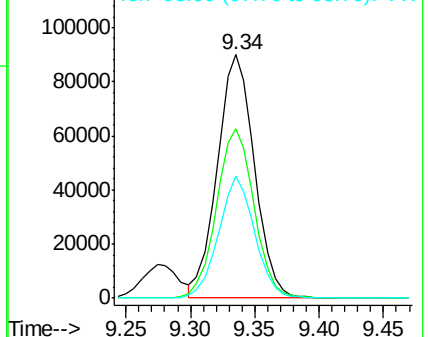
98 48.3 38.9 58.3

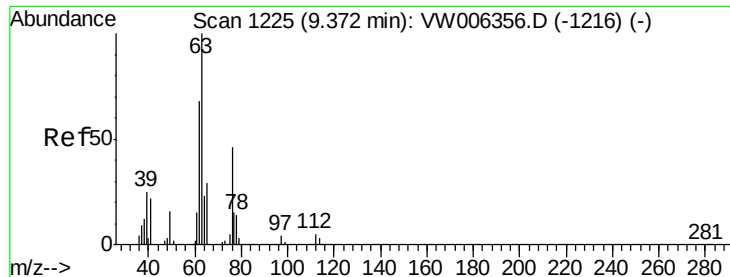


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 23.759 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

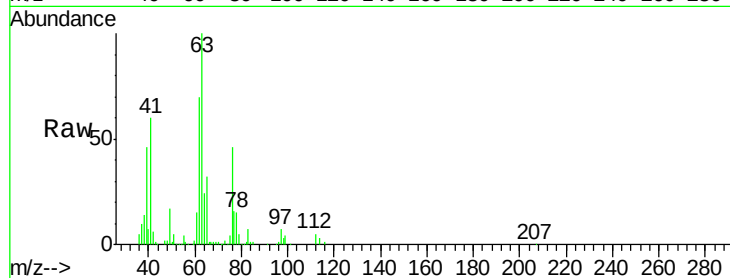
VSTD02508

Tgt Ion: 63 Resp: 85239

Ion Ratio Lower Upper

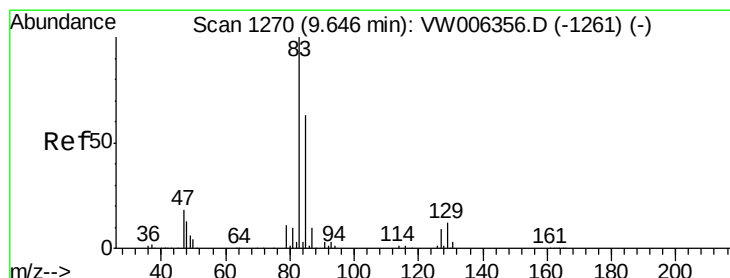
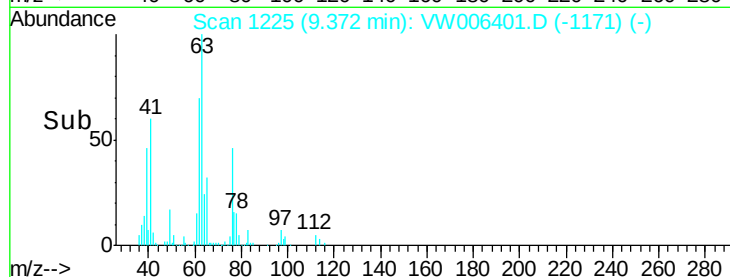
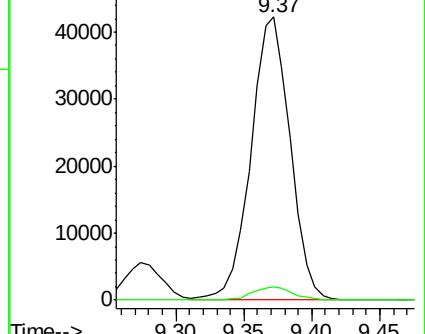
63 100

112 4.9 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.178 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

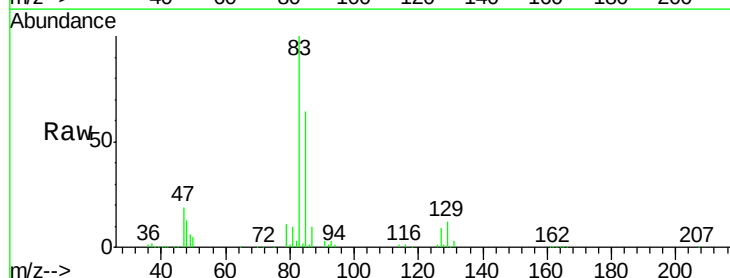
Tgt Ion: 83 Resp: 112290

Ion Ratio Lower Upper

83 100

85 63.7 45.5 84.5

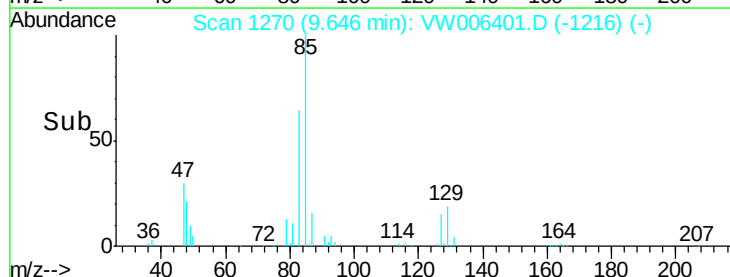
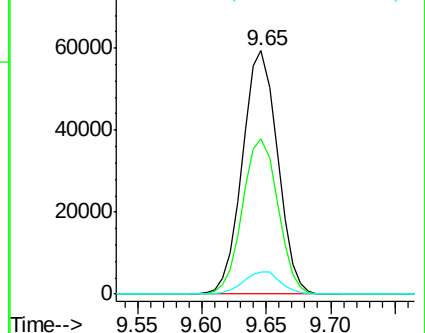
127 9.3 7.4 11.2

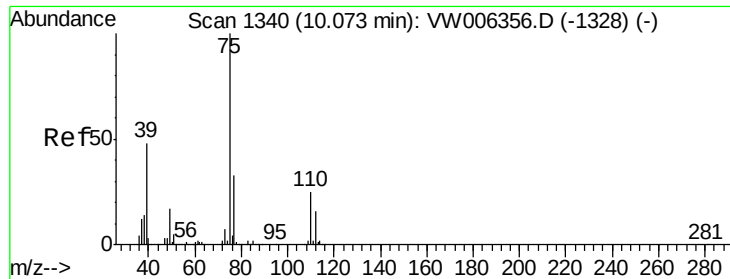


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.008 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

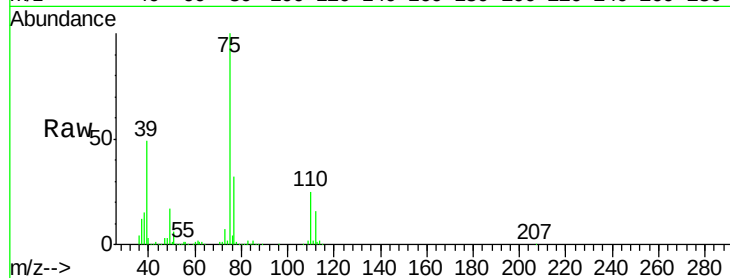
VSTD02508

Tgt Ion: 75 Resp: 134825

Ion Ratio Lower Upper

75 100

77 32.0 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

80000

60000

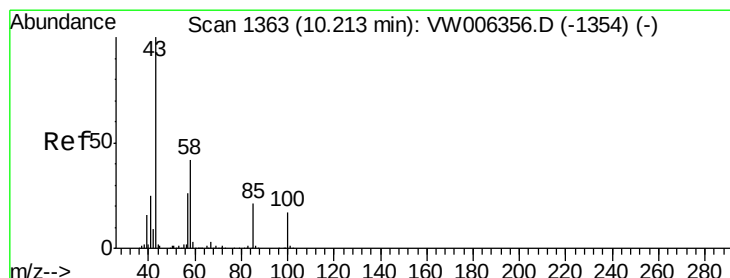
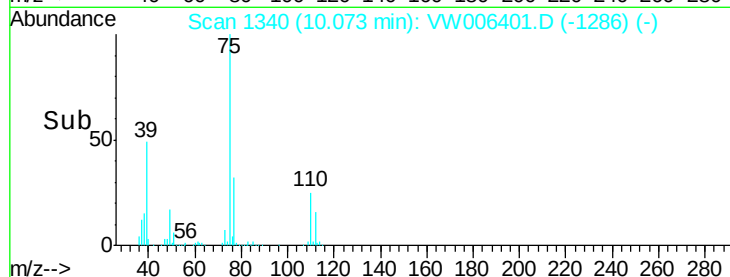
40000

20000

0

Time-->

10.00 10.10



#43

4-Methyl-2-pentanone

Concen: 45.097 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

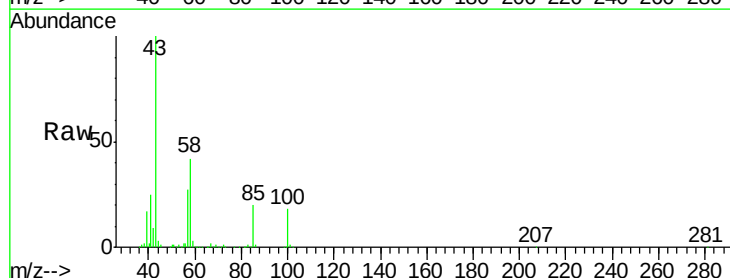
Tgt Ion: 43 Resp: 129643

Ion Ratio Lower Upper

43 100

58 40.9 31.4 47.2

100 17.8 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

150000

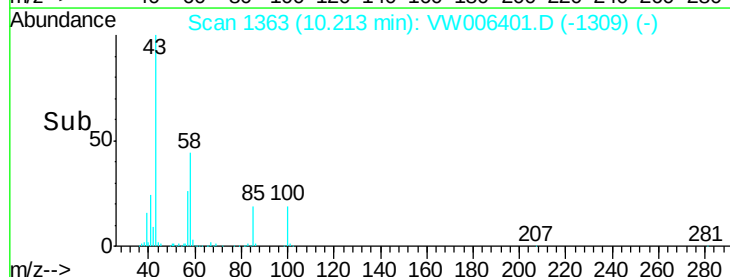
100000

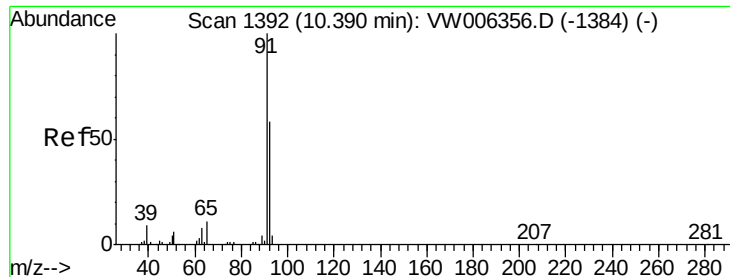
50000

0

Time-->

10.20 10.30





#44

Toluene

Concen: 24.883 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

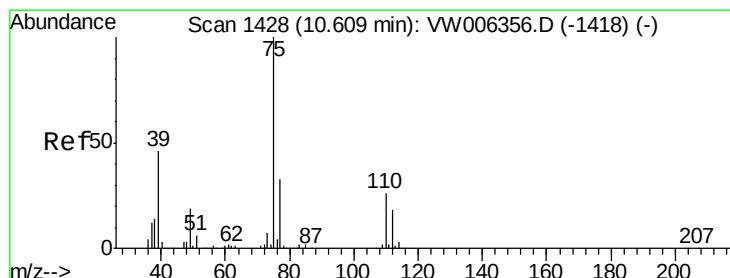
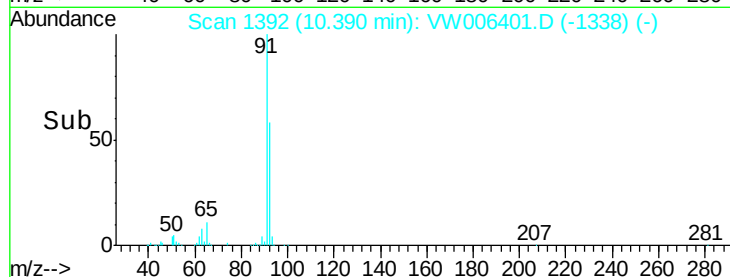
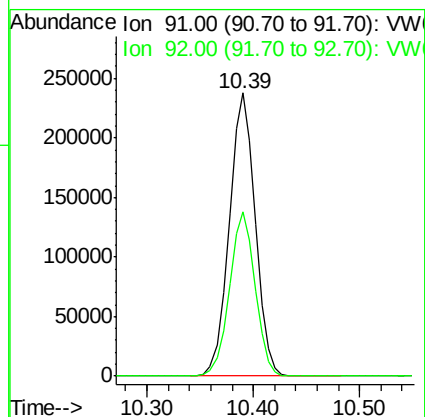
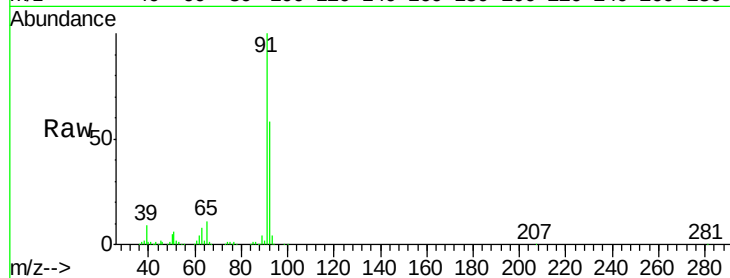
VSTD02508

Tgt Ion: 91 Resp: 404075

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 23.332 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006401.D

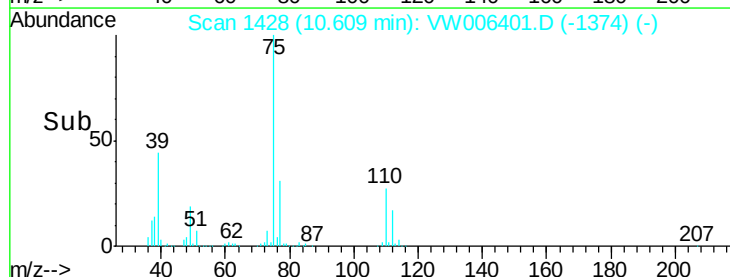
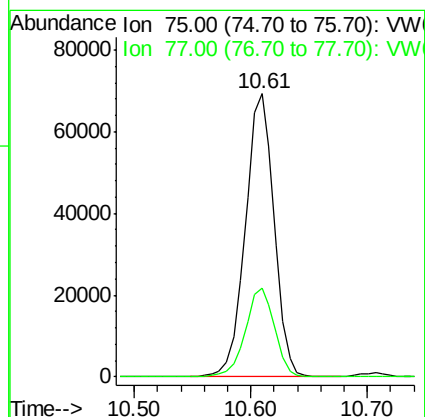
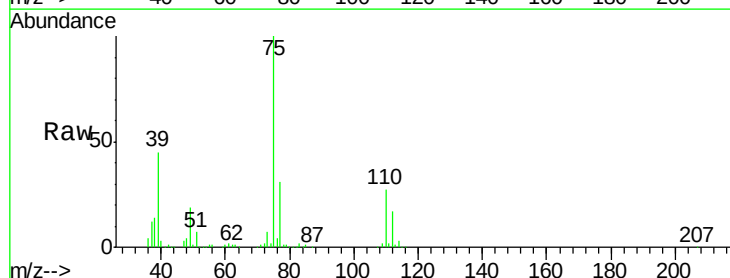
Acq: 26 Oct 2018 11:42

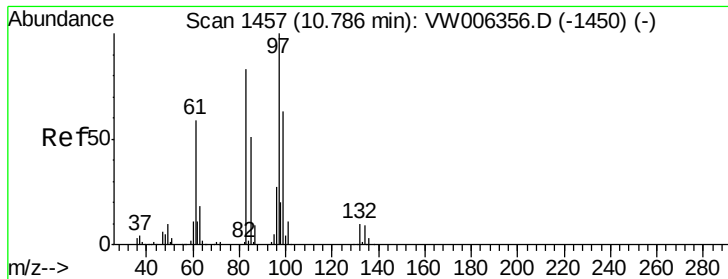
Tgt Ion: 75 Resp: 119423

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 25.219 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 97 Resp: 75343

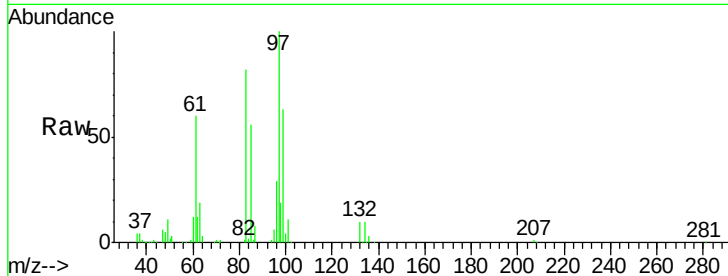
Ion Ratio Lower Upper

97 100

83 81.7 60.0 111.4

85 55.8 38.7 71.9

99 62.7 44.3 82.3

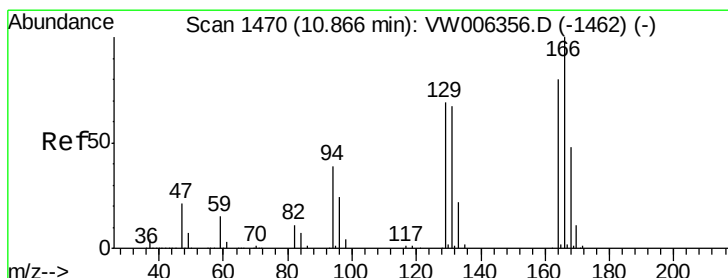
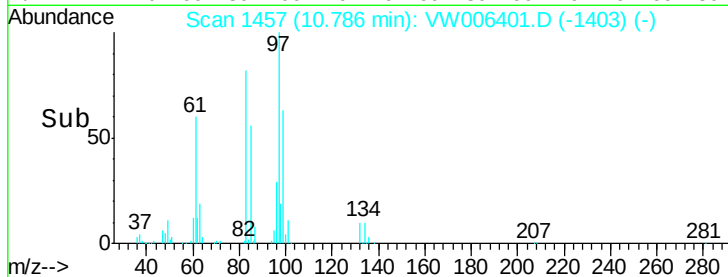
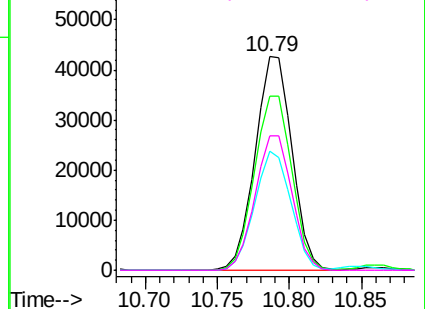


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.630 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Tgt Ion: 164 Resp: 96540

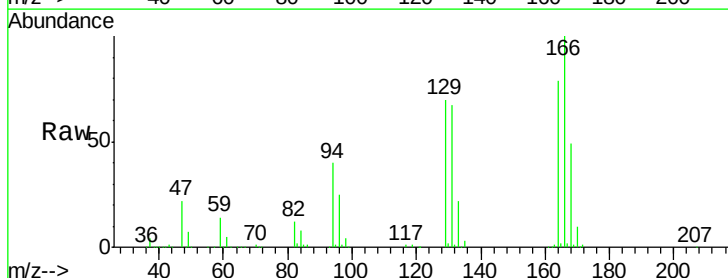
Ion Ratio Lower Upper

164 100

129 88.1 65.4 121.4

131 84.2 63.8 118.4

166 126.4 92.3 171.3

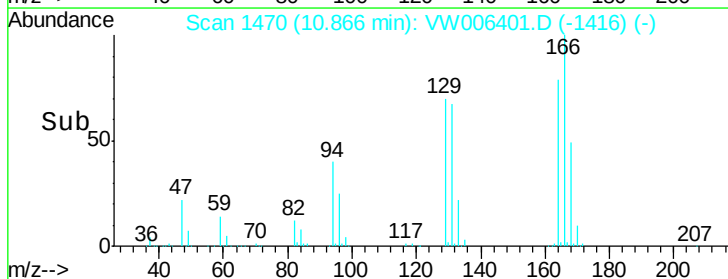
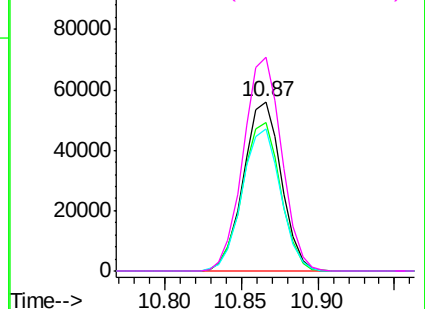


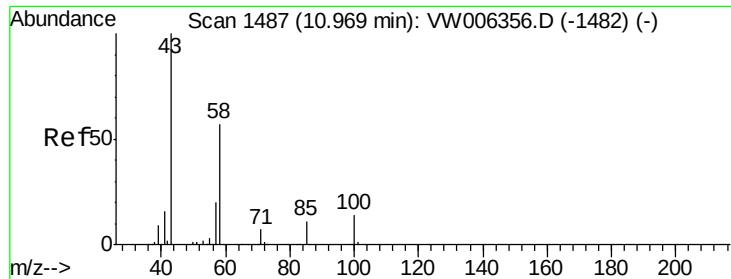
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

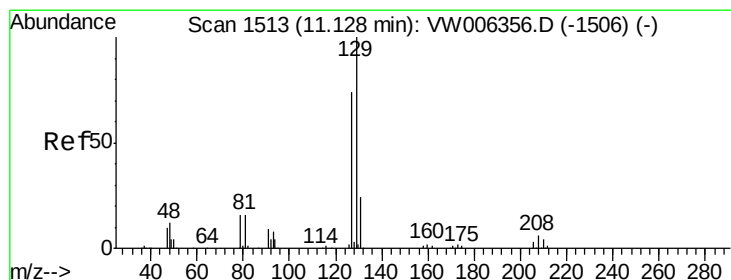
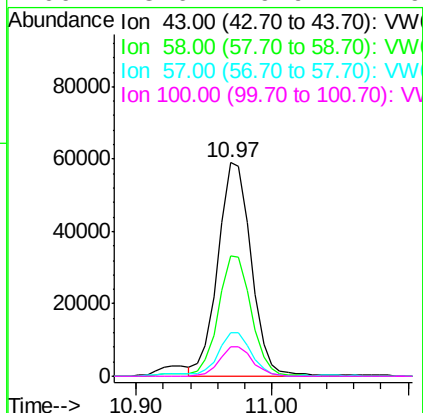
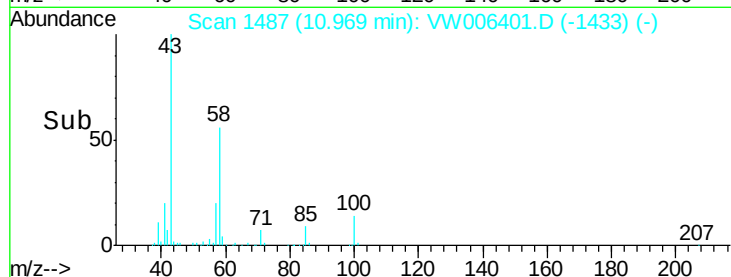
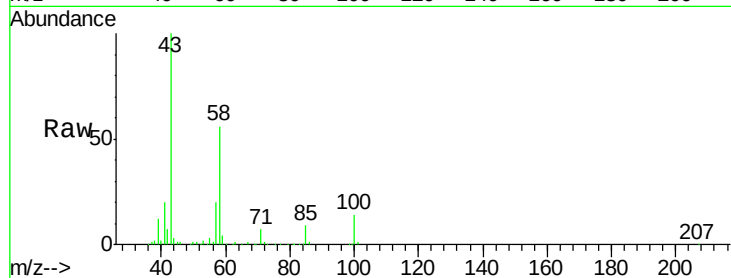




#49
2-Hexanone
Concen: 47.469 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

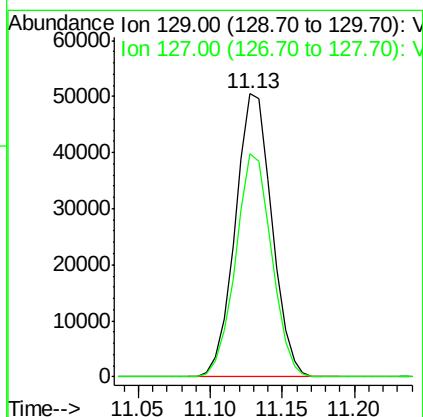
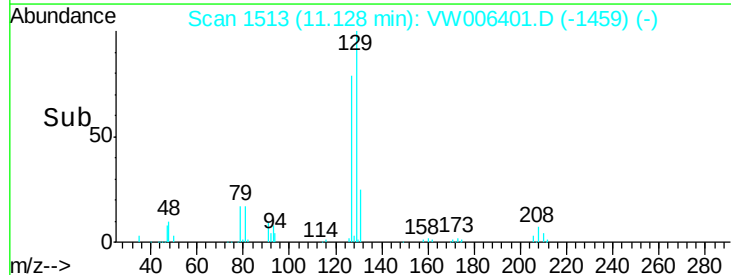
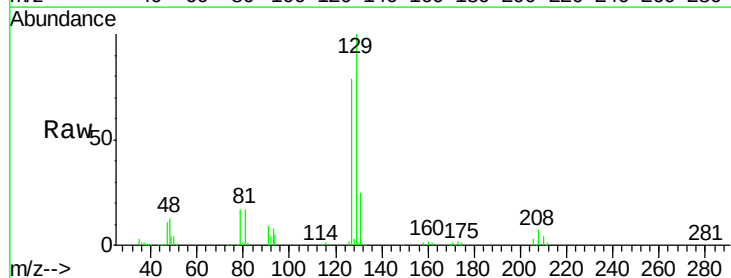
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

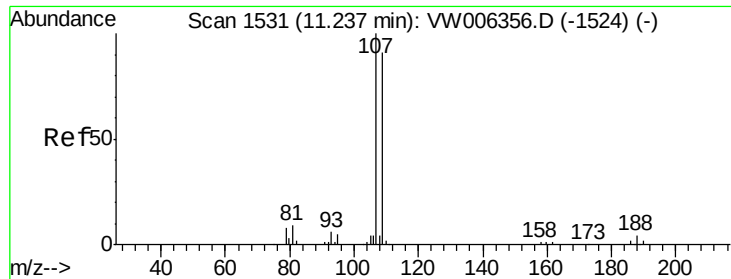
Tgt Ion: 43 Resp: 100571
Ion Ratio Lower Upper
43 100
58 56.5 42.1 63.1
57 19.5 15.1 22.7
100 13.6 9.9 14.9



#50
Dibromochloromethane
Concen: 23.327 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

Tgt Ion: 129 Resp: 89326
Ion Ratio Lower Upper
129 100
127 78.8 54.4 101.0

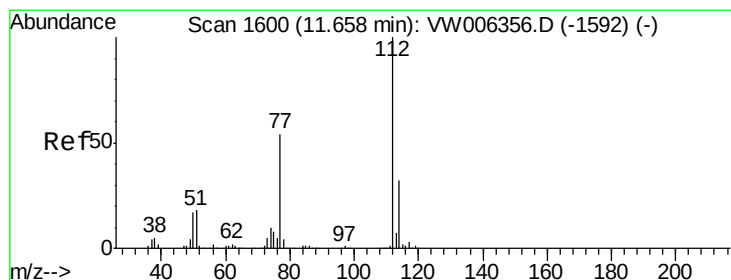
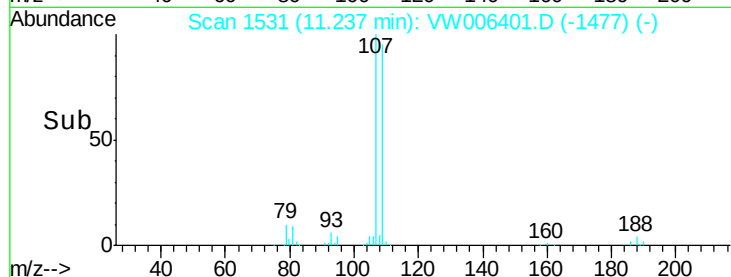
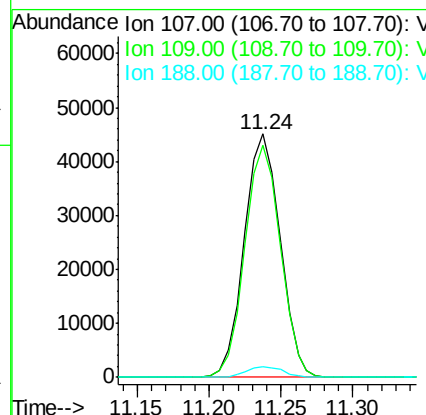
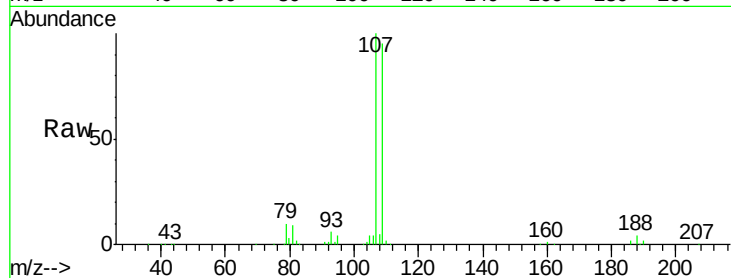




#51
 1,2-Dibromoethane
 Concen: 25.101 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006401.D
 Acq: 26 Oct 2018 11:42

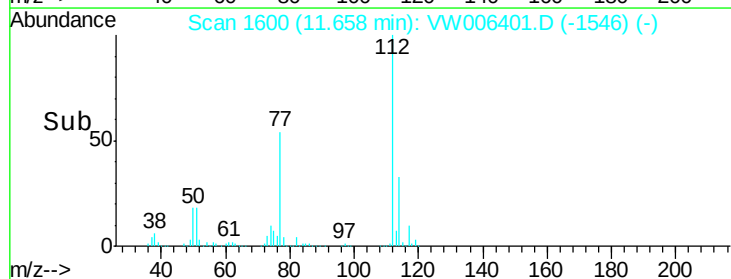
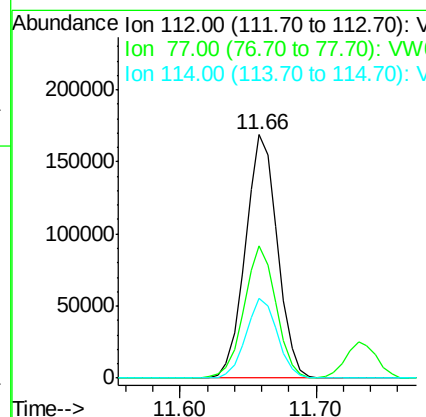
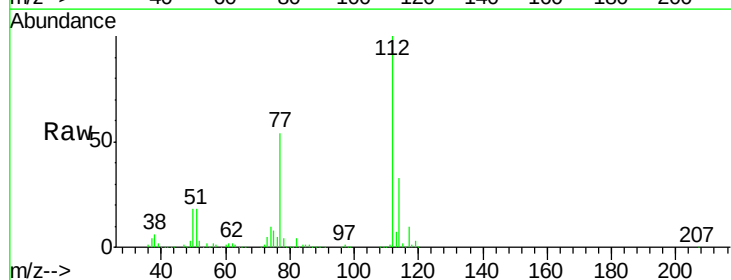
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

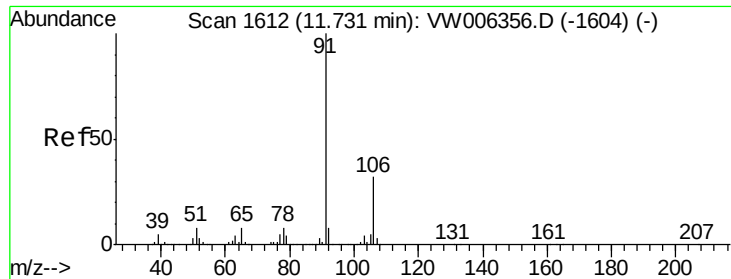
Tgt Ion:107 Resp: 78059
 Ion Ratio Lower Upper
 107 100
 109 95.5 66.6 123.8
 188 4.3 3.4 5.0



#52
 Chlorobenzene
 Concen: 25.248 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW006401.D
 Acq: 26 Oct 2018 11:42

Tgt Ion:112 Resp: 277463
 Ion Ratio Lower Upper
 112 100
 77 54.4 44.2 66.2
 114 32.6 22.1 41.1

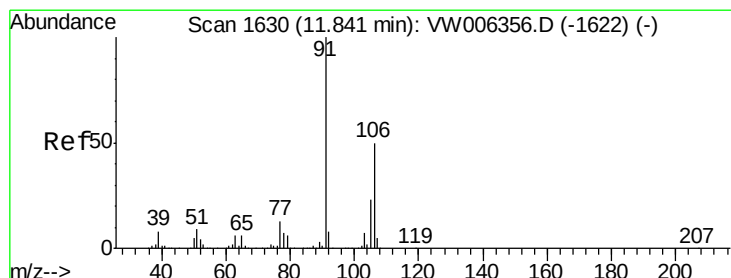
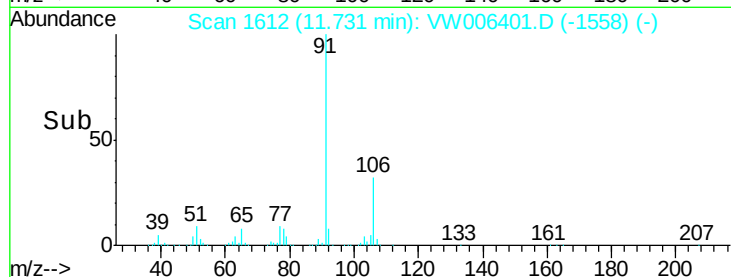
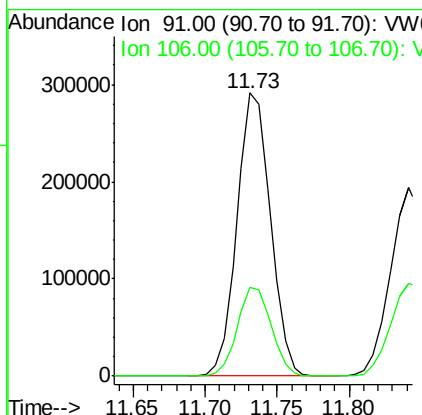
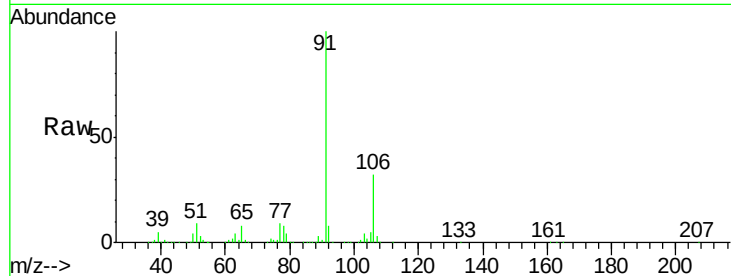




#53
Ethylbenzene
Concen: 24.938 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

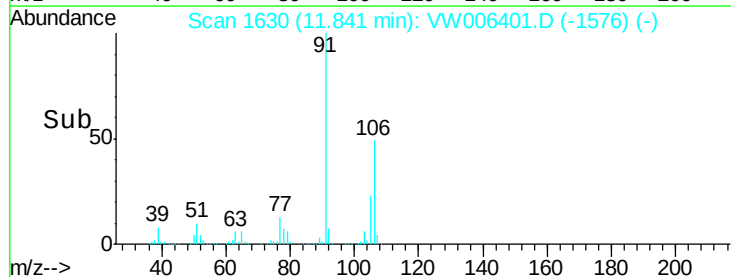
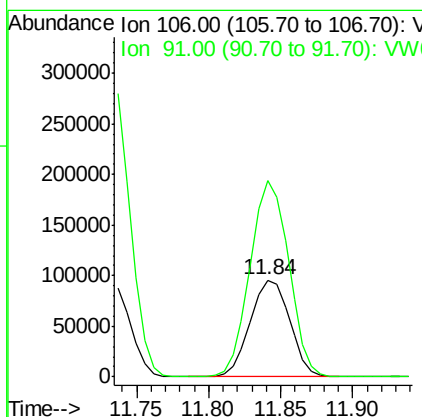
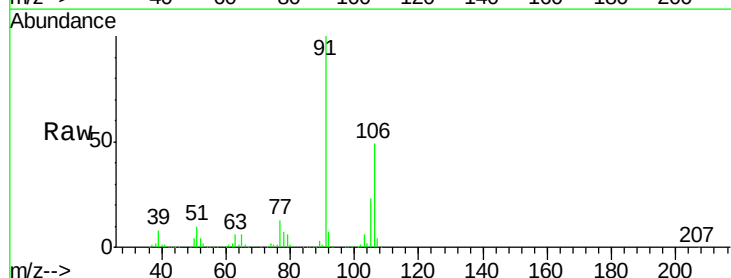
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

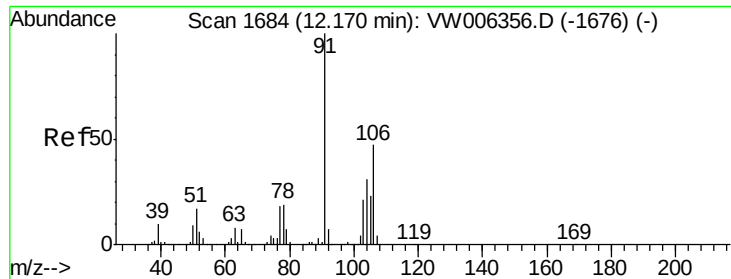
Tgt Ion: 91 Resp: 471469
Ion Ratio Lower Upper
91 100
106 31.6 22.6 42.0



#54
m,p-Xylene
Concen: 24.692 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006401.D
Acq: 26 Oct 2018 11:42

Tgt Ion: 106 Resp: 182975
Ion Ratio Lower Upper
106 100
91 202.1 138.4 257.0





#55

o-xylene

Concen: 24.664 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampled :

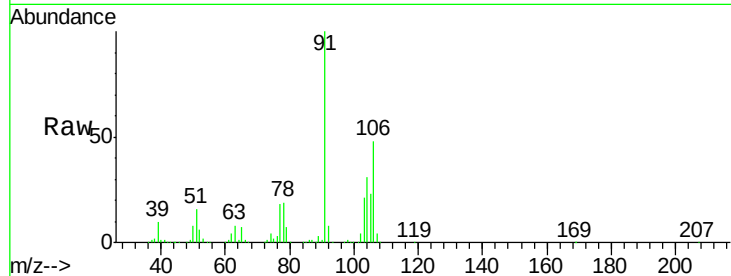
VSTD02508

Tgt Ion:106 Resp: 174515

Ion Ratio Lower Upper

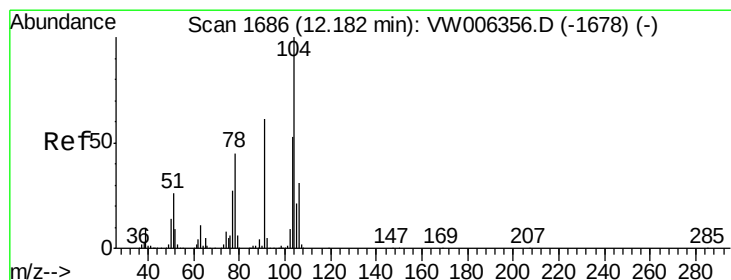
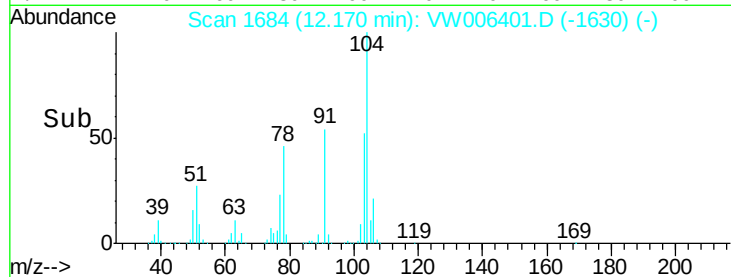
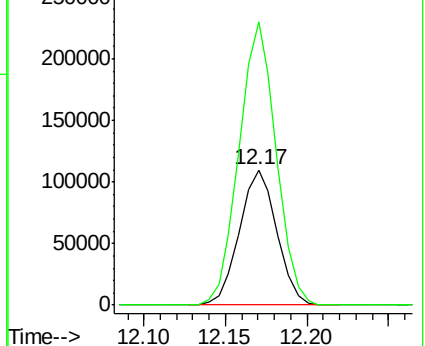
106 100

91 209.2 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.562 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW006401.D

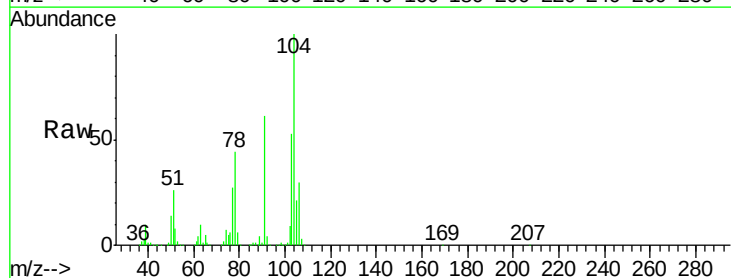
Acq: 26 Oct 2018 11:42

Tgt Ion:104 Resp: 299285

Ion Ratio Lower Upper

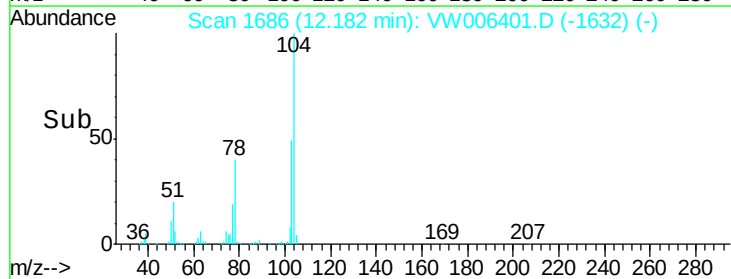
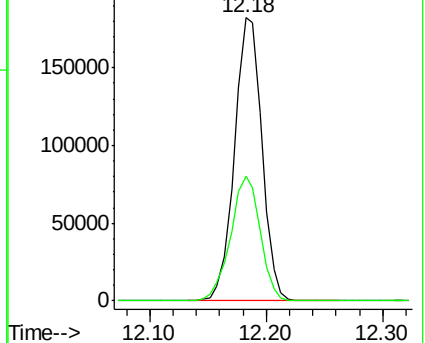
104 100

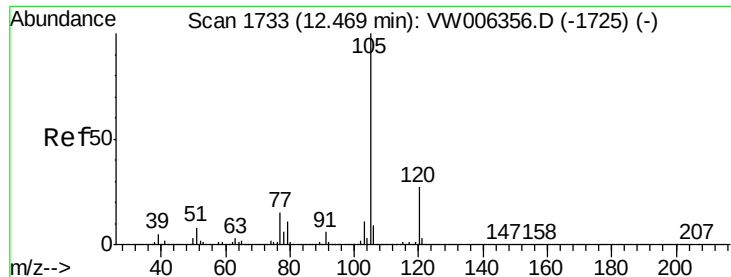
78 44.1 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.740 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

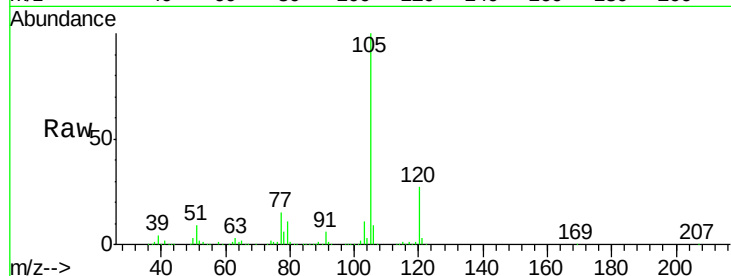
Tgt Ion: 105 Resp: 487071

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.6

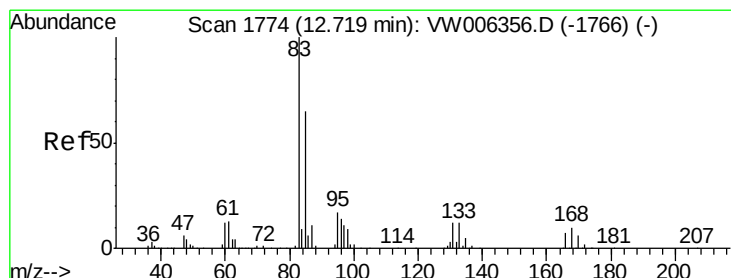
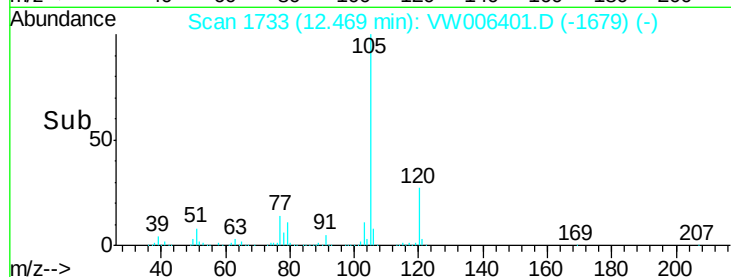
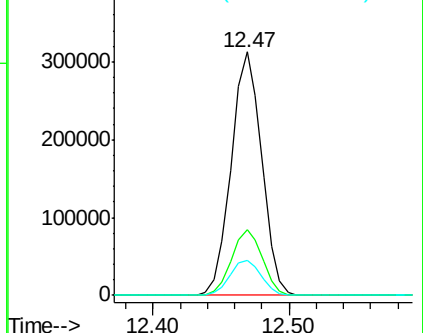
77 14.8 12.2 18.2



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: 25.804 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

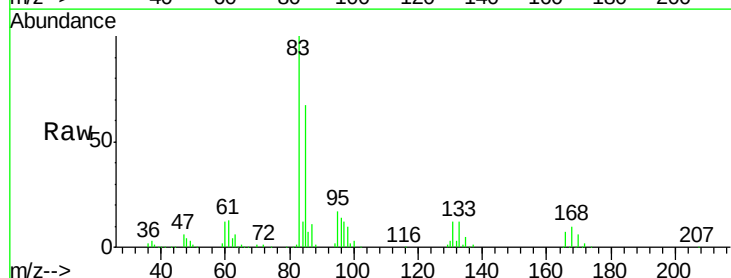
Tgt Ion: 83 Resp: 100183

Ion Ratio Lower Upper

83 100

85 66.5 44.8 83.2

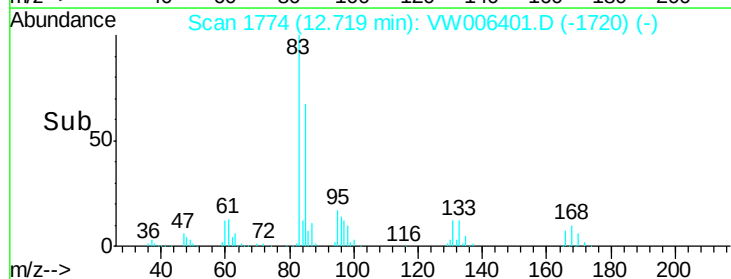
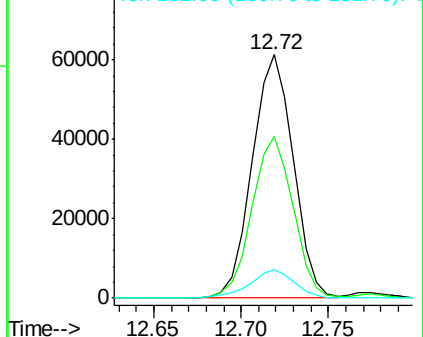
131 11.7 9.0 13.4

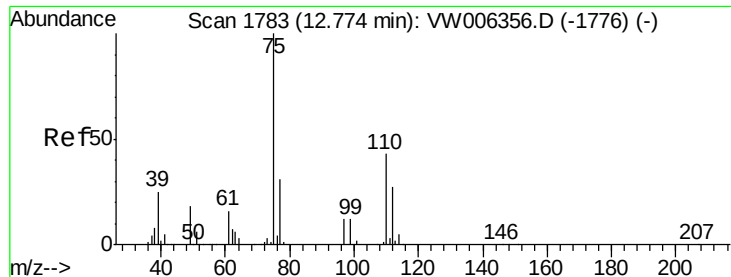


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.817 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

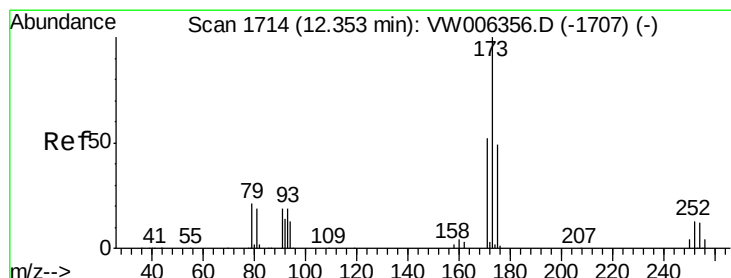
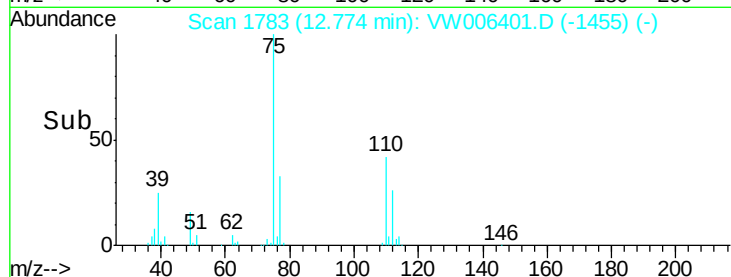
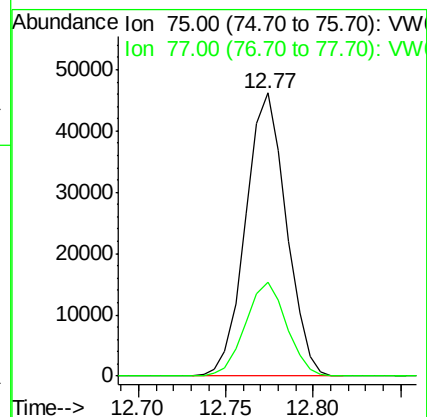
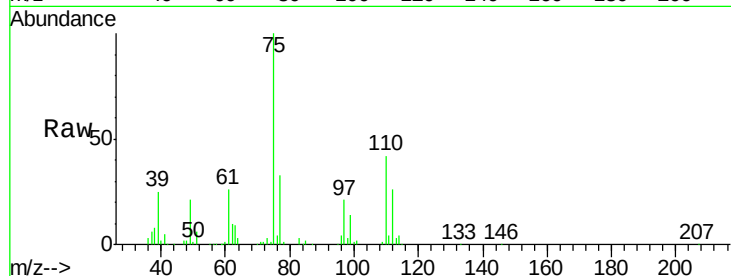
VSTD02508

Tgt Ion: 75 Resp: 74785

Ion Ratio Lower Upper

75 100

77 33.6 25.9 38.9



#62

Bromoform

Concen: 22.655 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

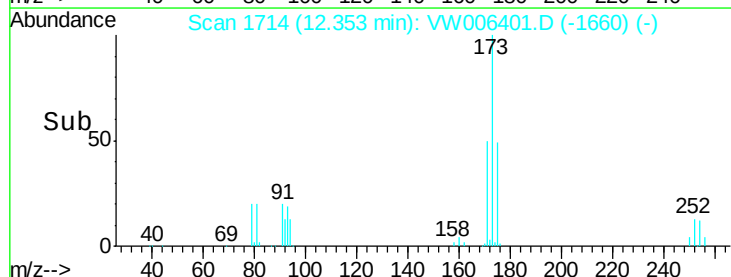
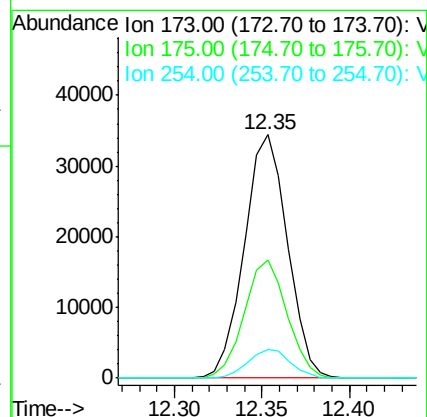
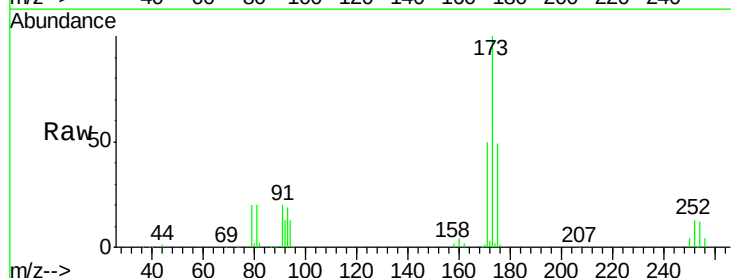
Tgt Ion: 173 Resp: 59022

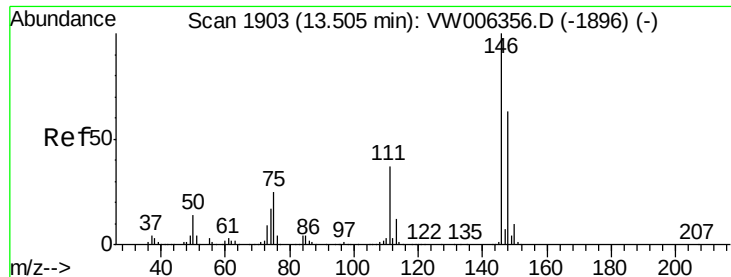
Ion Ratio Lower Upper

173 100

175 48.4 39.1 58.7

254 11.7 9.2 13.8

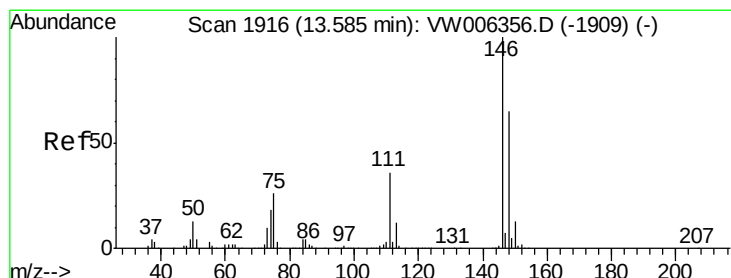
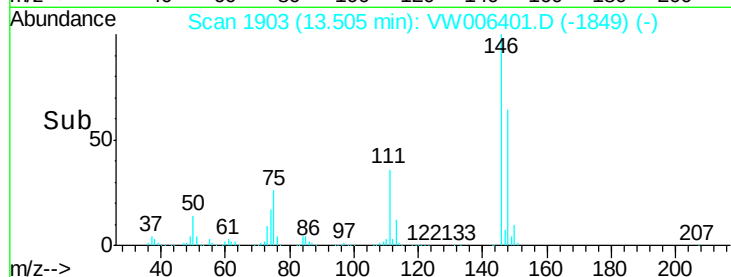
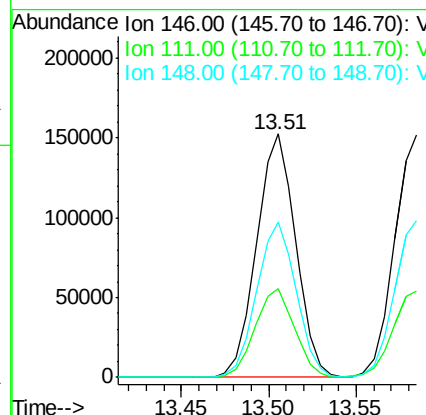
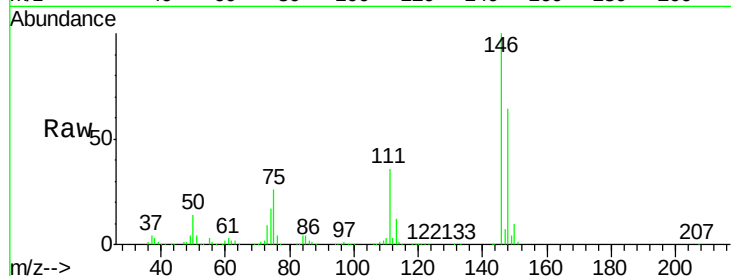




#63
 1,3-Dichlorobenzene
 Concen: 24.744 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006401.D
 Acq: 26 Oct 2018 11:42

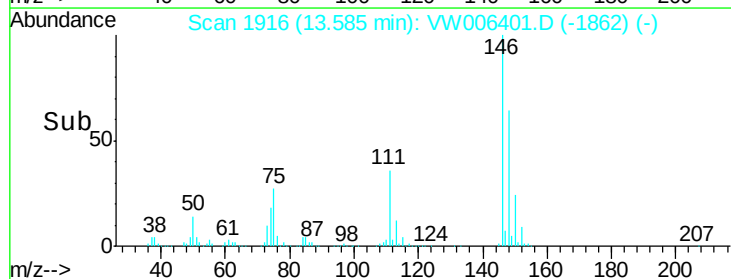
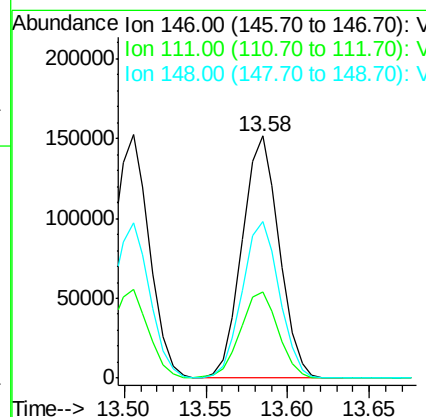
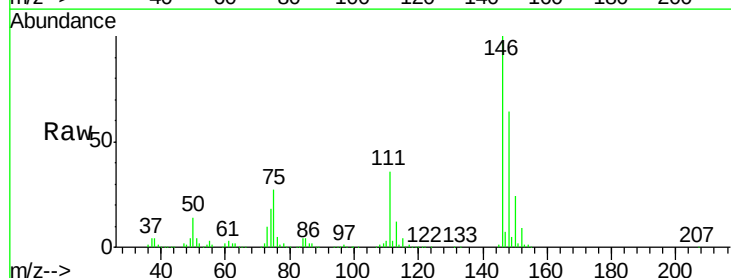
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

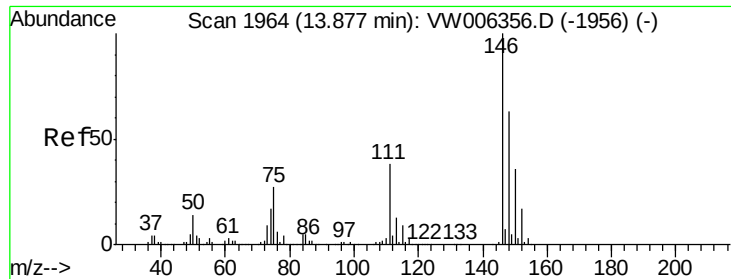
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	26.3	48.9
148	64.0	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 24.932 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006401.D
 Acq: 26 Oct 2018 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	24.7	45.9
148	64.5	44.9	83.5

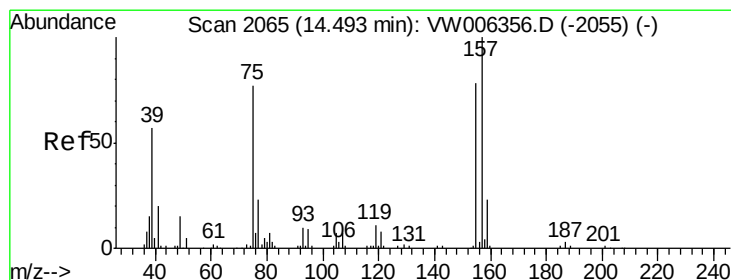
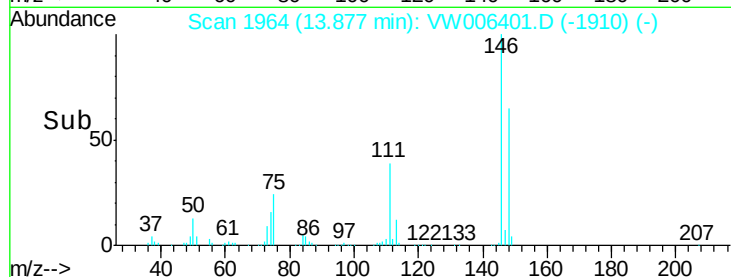
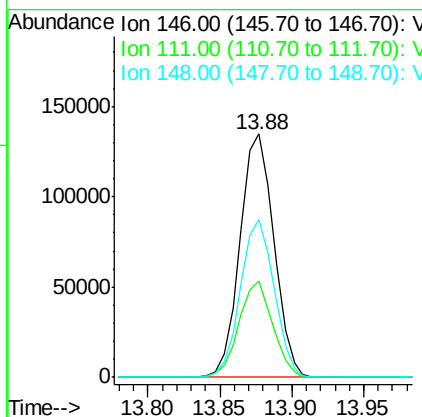
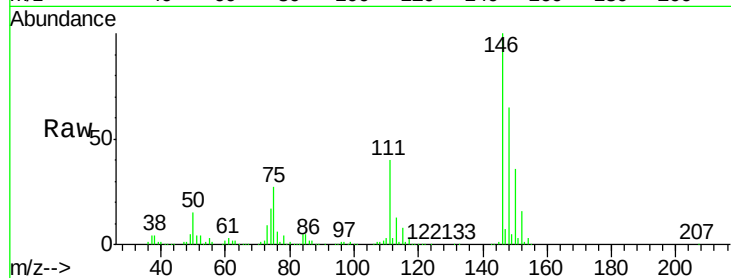




#65
 1,2-Dichlorobenzene
 Concen: 25.112 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006401.D
 Acq: 26 Oct 2018 11:42

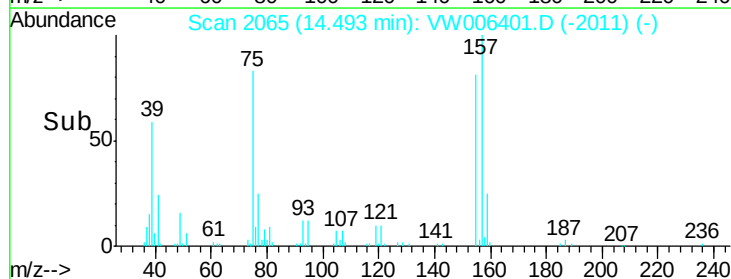
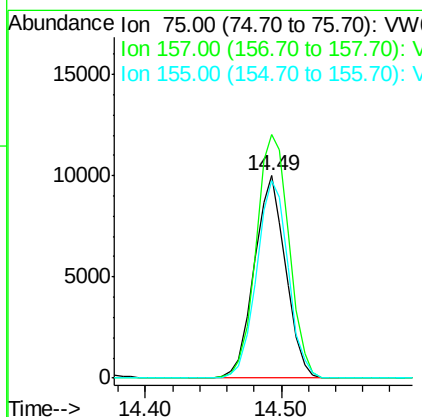
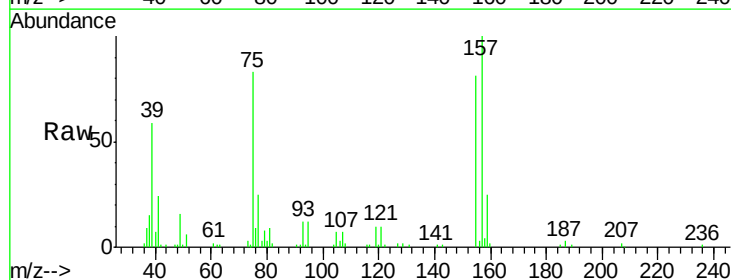
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

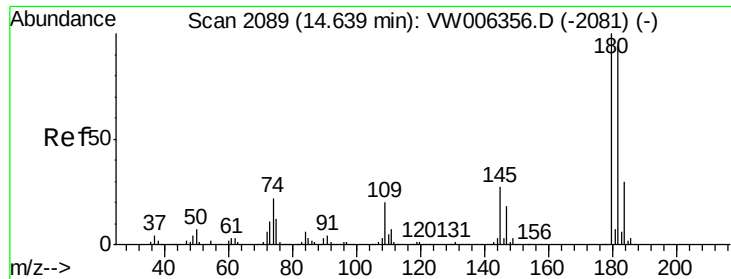
Tgt Ion:146 Resp: 220577
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.1 46.7
 148 65.1 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.773 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006401.D
 Acq: 26 Oct 2018 11:42

Tgt Ion: 75 Resp: 16101
 Ion Ratio Lower Upper
 75 100
 157 120.3 106.8 160.2
 155 97.6 79.2 118.8

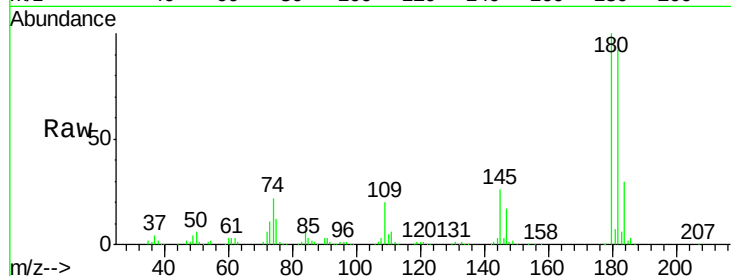




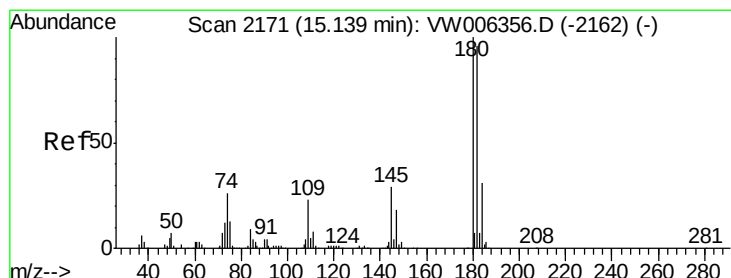
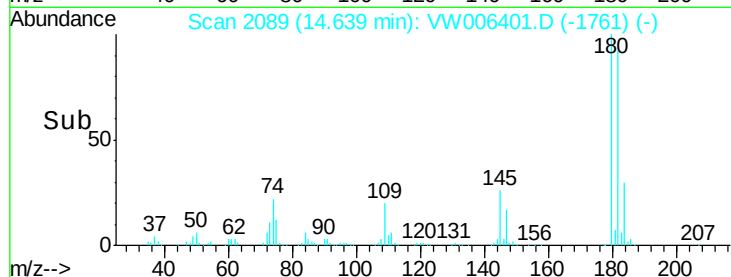
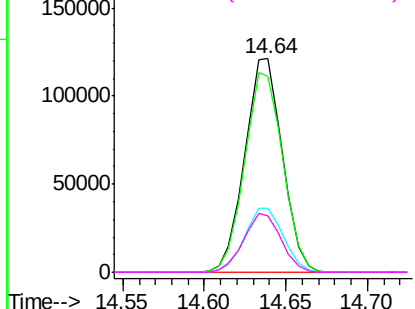
#67
 1,3,5-Trichlorobenzene
 Concen: 25.310 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW006401.D
 Acq: 26 Oct 2018 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tgt Ion:180 Resp: 194803
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.0 114.0
 184 30.9 24.3 36.5
 145 27.5 22.6 33.8

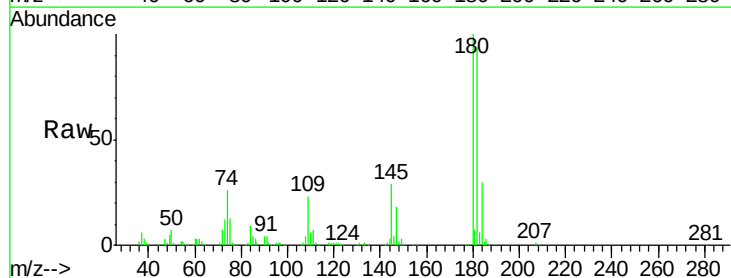


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

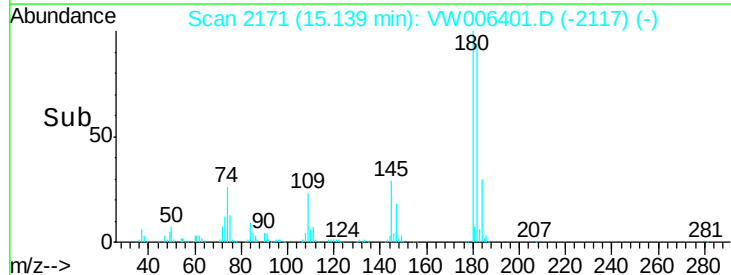
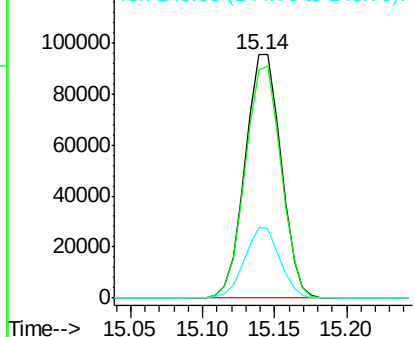


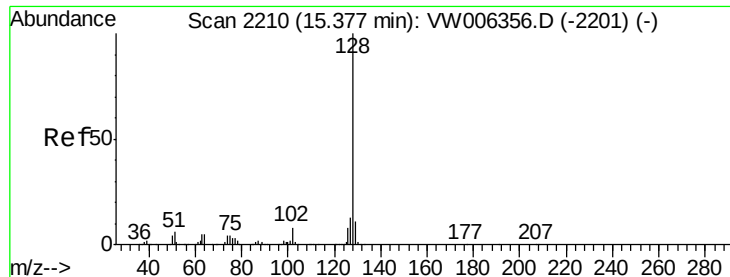
#68
 1,2,4-trichlorobenzene
 Concen: 25.012 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006401.D
 Acq: 26 Oct 2018 11:42

Tgt Ion:180 Resp: 164154
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.2
 145 28.5 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: 24.696 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

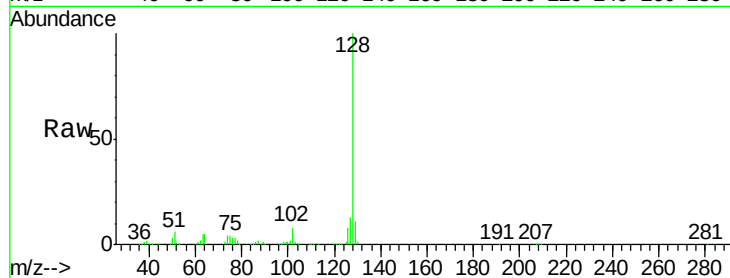
Tgt Ion:128 Resp: 328157

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

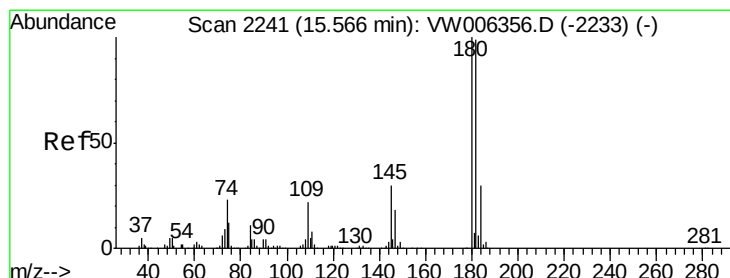
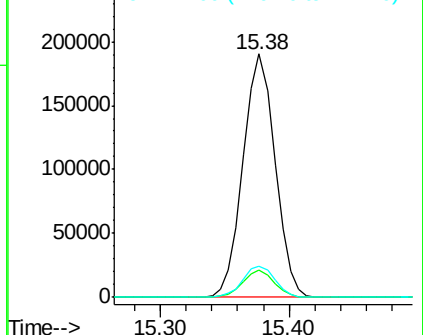
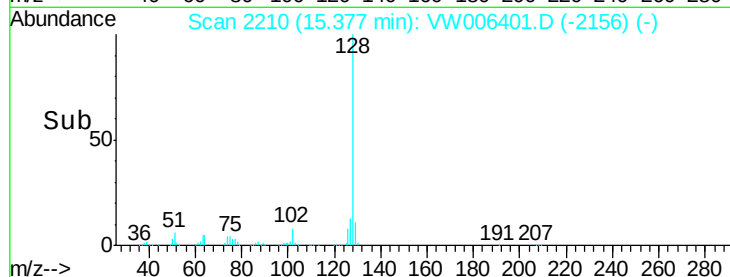
127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.316 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006401.D

Acq: 26 Oct 2018 11:42

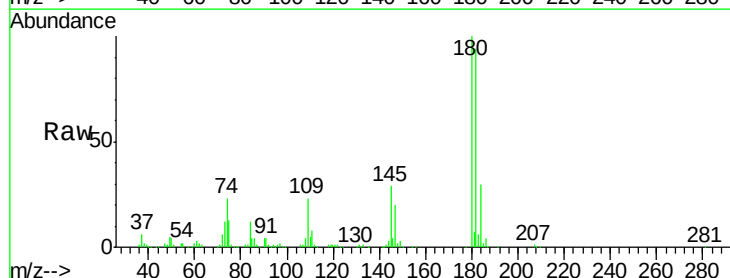
Tgt Ion:180 Resp: 149262

Ion Ratio Lower Upper

180 100

182 95.1 75.5 113.3

145 29.9 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

