

Data File : VW006292.D
Acq On : 23 Oct 2018 12:49
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

Quant Time: Oct 24 01:56:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 10 07:48:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	341284	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	322949	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	178937	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74065	19.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.96%
7) Chloroethane-d5	2.89	69	71817	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.72%
10) 1,1-Dichloroethene-d2	4.02	63	166655	22.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.20%
20) 2-Butanone-d5	7.09	46	60075	47.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.18%
24) Chloroform-d	7.65	84	169741	22.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.84%
26) 1,2-Dichloroethane-d4	8.31	65	95824	23.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.72%
29) Benzene-d6	8.27	84	333145	22.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.88%
33) 1,2-Dichloropropane-d6	9.27	67	95752	21.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.56%
37) Toluene-d8	10.33	98	331716	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.48%
38) trans-1,3-Dichloropropene-	10.58	79	44556	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.88%
39) 2-Hexanone-d5	10.93	63	50823	47.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	107442	24.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	142806	23.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	105146	32.597 ug/L	93
3) Chloromethane	2.22	50	91640	28.929 ug/L	99
5) Vinyl chloride	2.37	62	133628	26.173 ug/L	98
6) Bromomethane	2.79	94	101765	25.598 ug/L	98
8) Chloroethane	2.93	64	83512	26.686 ug/L	98
9) Trichlorofluoromethane	3.26	101	118906	29.111 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	114253	27.978 ug/L	100
12) 1,1-Dichloroethene	4.03	96	104624	26.701 ug/L	86
13) Acetone	4.14	43	81073	62.902 ug/L	100
14) Carbon disulfide	4.38	76	314788	24.575 ug/L	99
15) Methyl Acetate	4.68	43	58155	27.857 ug/L	97
16) Methylene chloride	4.92	84	109557	24.864 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	163204	25.588 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	114617	26.421 ug/L	98
19) 1,1-Dichloroethane	6.21	63	182652	26.018 ug/L	99
21) 2-Butanone	7.18	43	95606	55.825 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	123360	26.069 ug/L	98

Data File : VW006292.D
Acq On : 23 Oct 2018 12:49
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

Quant Time: Oct 24 01:56:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 10 07:48:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	59318	26.651	ug/L	97
25) Chloroform	7.68	83	201630	26.682	ug/L	99
27) 1,2-Dichloroethane	8.40	62	139265	27.037	ug/L	99
30) Cyclohexane	7.96	56	177304	24.979	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	175150	25.918	ug/L	99
32) Carbon tetrachloride	8.07	117	170437	25.717	ug/L	100
34) Benzene	8.32	78	433642	26.156	ug/L	100
35) Trichloroethene	9.09	95	123136	26.398	ug/L	99
36) Methylcyclohexane	9.34	83	222297	26.010	ug/L	98
40) 1,2-Dichloropropane	9.37	63	104092	25.310	ug/L	100
41) Bromodichloromethane	9.65	83	139661	25.148	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	167007	24.862	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	167783	50.913	ug/L	99
44) Toluene	10.39	91	488071	26.219	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	147888	25.205	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	92764	27.086	ug/L	98
47) Tetrachloroethene	10.87	164	115284	26.699	ug/L	96
49) 2-Hexanone	10.97	43	134733	55.474	ug/L	96
50) Dibromochloromethane	11.13	129	110084	25.078	ug/L	99
51) 1,2-Dibromoethane	11.24	107	96104	26.958	ug/L	99
52) Chlorobenzene	11.66	112	334064	26.518	ug/L	99
53) Ethylbenzene	11.74	91	570659	26.332	ug/L	100
54) m,p-Xylene	11.85	106	223686	26.332	ug/L	98
55) o-xylene	12.17	106	212058	26.144	ug/L	99
56) Styrene	12.19	104	366008	26.204	ug/L	94
57) Isopropylbenzene	12.47	105	597210	26.462	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	125965	28.303	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	95555	28.776	ug/L	99
62) Bromoform	12.35	173	74898	24.981	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	289587	26.353	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	294333	26.599	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	271356	26.843	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	20926	25.718	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	239785	27.071	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	204867	27.124	ug/L	100
69) Naphthalene	15.38	128	423303	27.681	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	187461	27.627	ug/L	99

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

Data File : VW006292.D

Acq On : 23 Oct 2018 12:49

Operator : SY/AP

Sample : VSTDCCC025

Misc : 5.00G/10ML/MSVOA W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

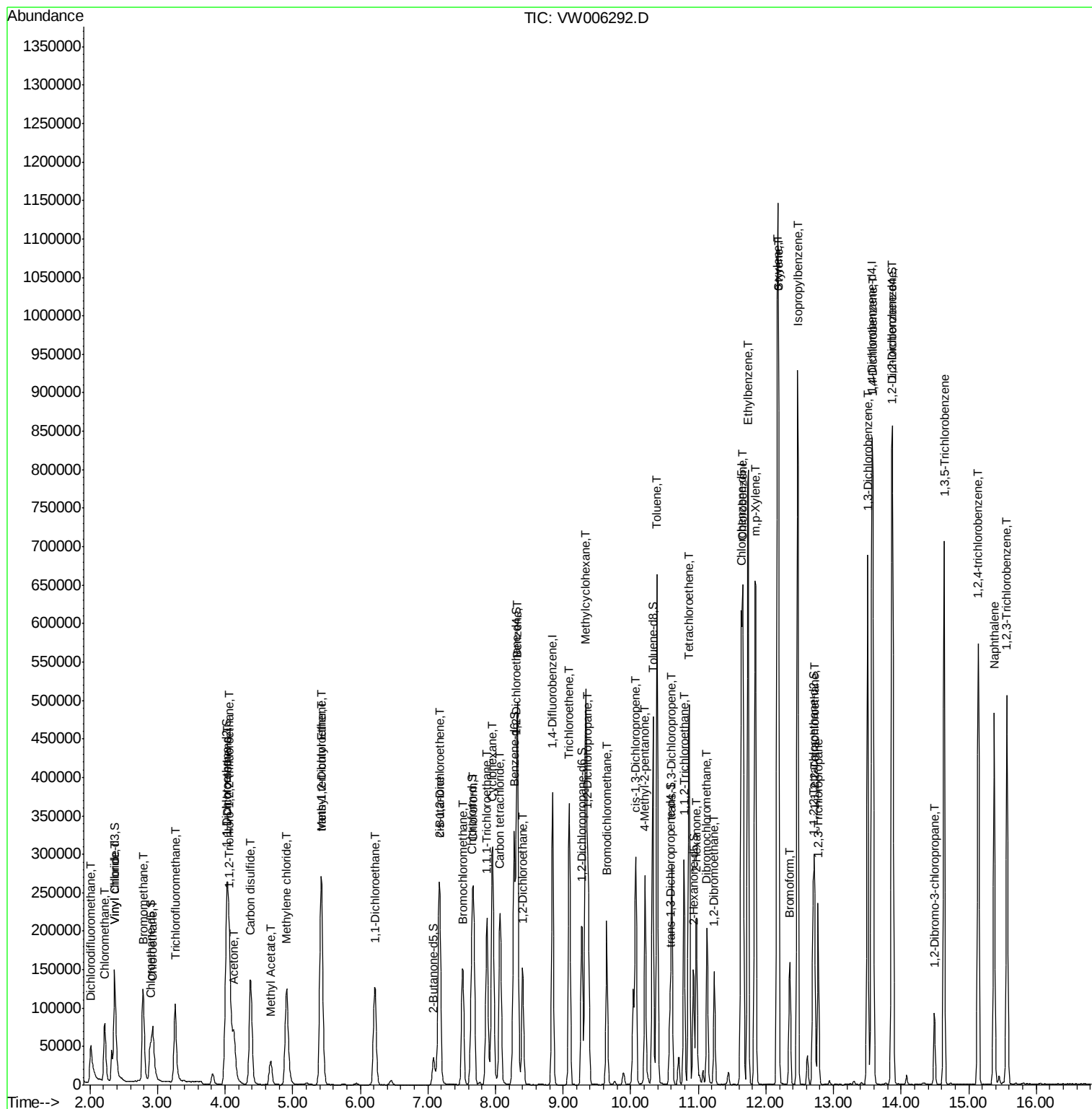
Quant Time: Oct 24 01:56:14 2018

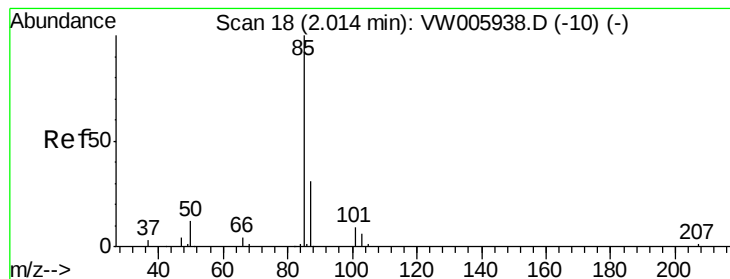
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M

Quant Title : VOC Analysis

QLast Update : Wed Oct 10 07:48:46 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 32.597 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

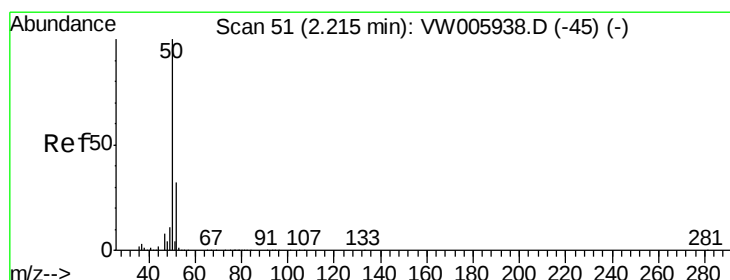
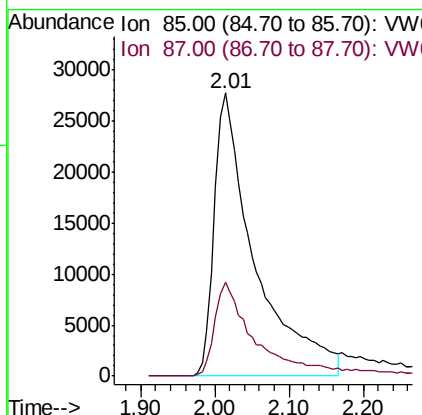
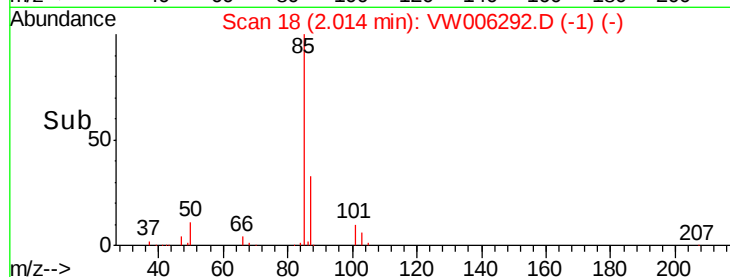
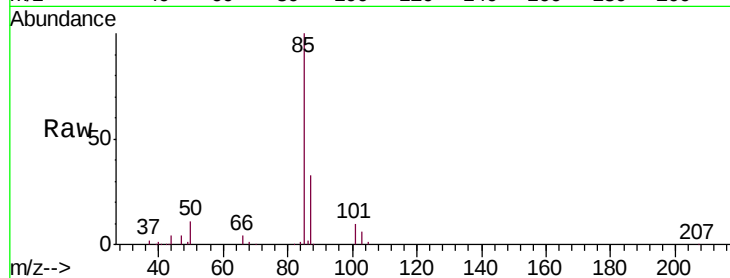
VSTD02502

Tgt Ion: 85 Resp: 105146

Ion Ratio Lower Upper

85 100

87 30.9 19.2 35.6



#3

Chloromethane

Concen: 28.929 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW006292.D

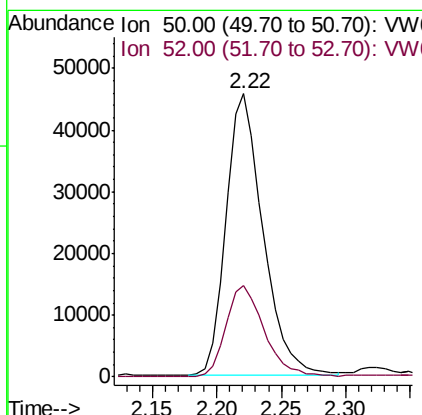
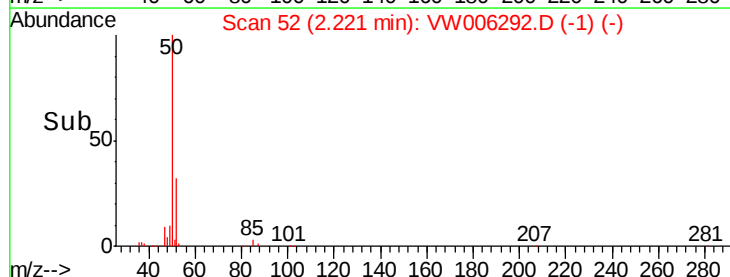
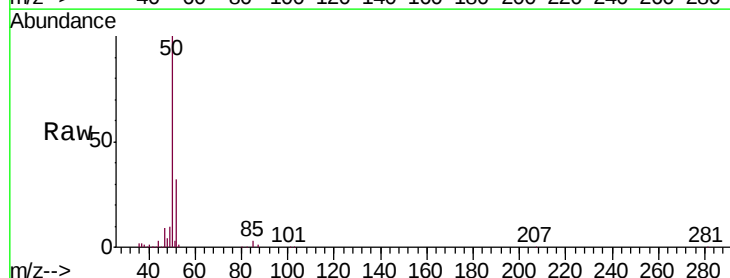
Acq: 23 Oct 2018 12:49

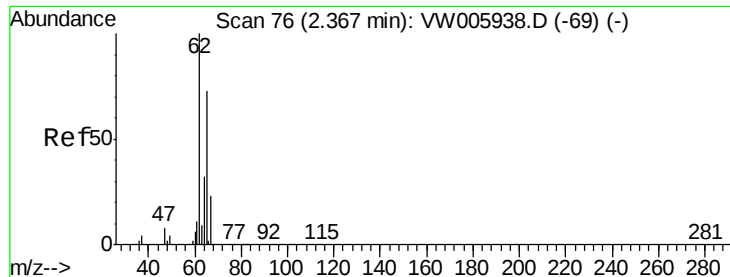
Tgt Ion: 50 Resp: 91640

Ion Ratio Lower Upper

50 100

52 32.5 22.3 41.3





#5

Vinyl chloride

Concen: 26.173 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

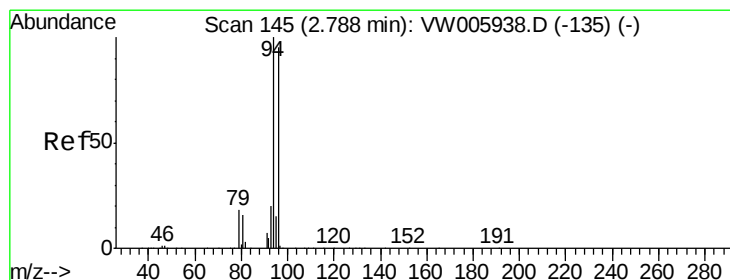
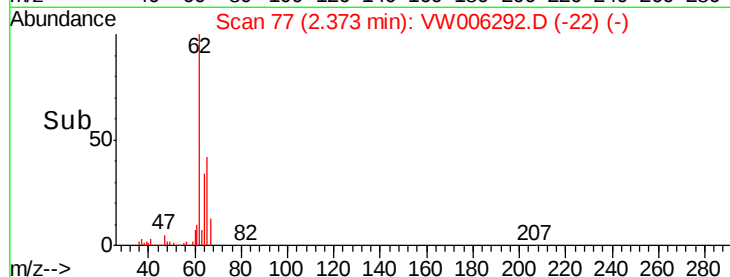
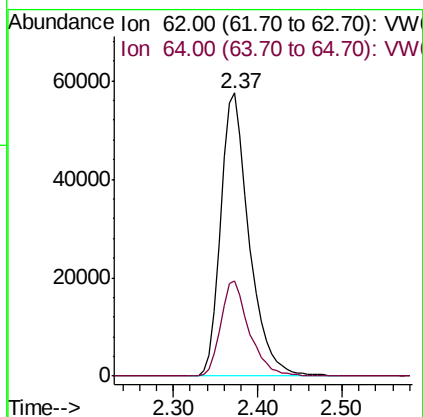
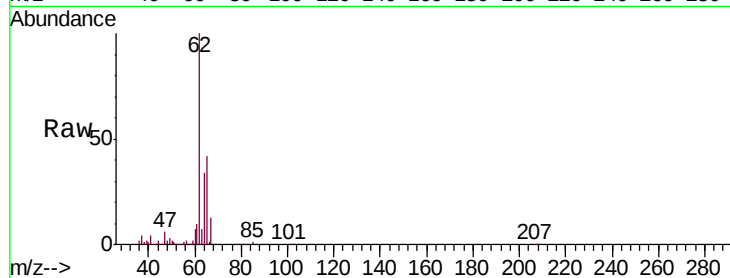
VSTD02502

Tgt Ion: 62 Resp: 133628

Ion Ratio Lower Upper

62 100

64 33.6 22.7 42.3



#6

Bromomethane

Concen: 25.598 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006292.D

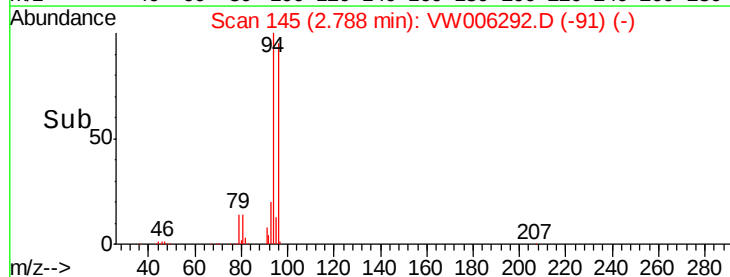
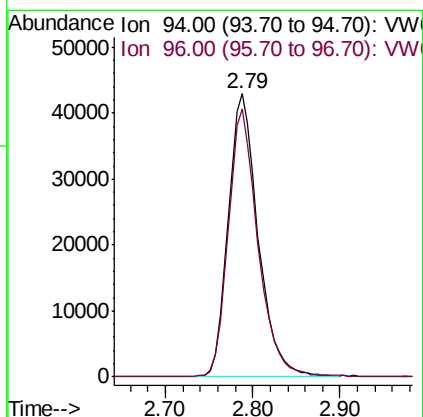
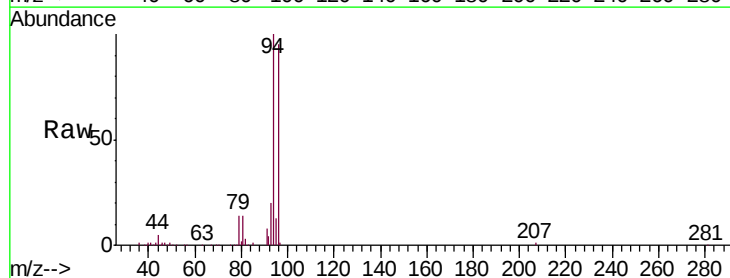
Acq: 23 Oct 2018 12:49

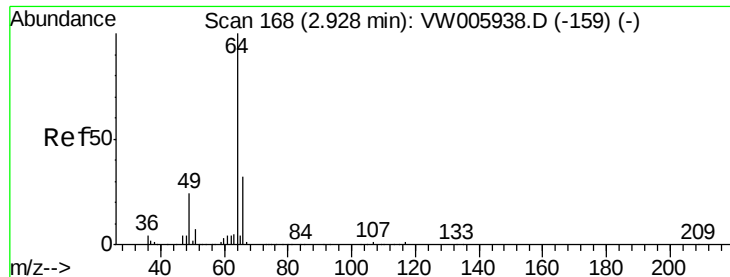
Tgt Ion: 94 Resp: 101765

Ion Ratio Lower Upper

94 100

96 93.8 9.5 181.3





#8

Chloroethane

Concen: 26.686 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

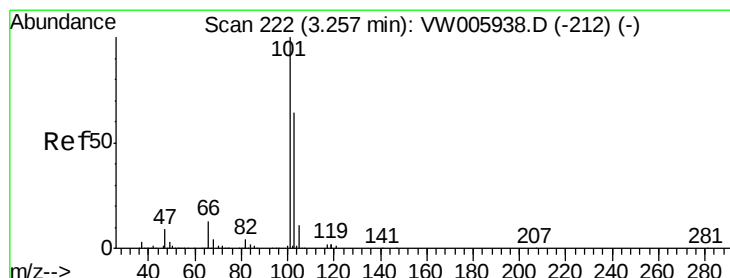
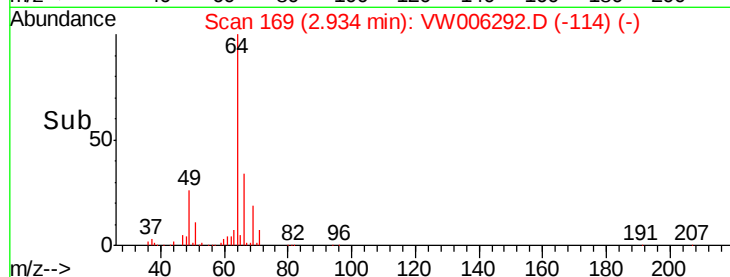
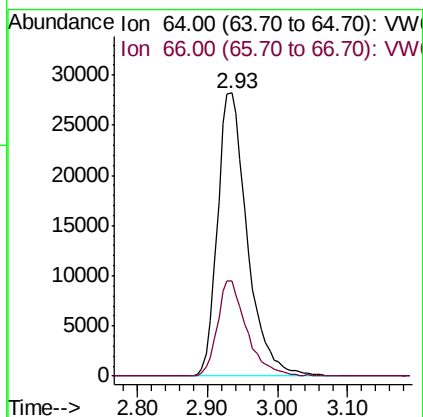
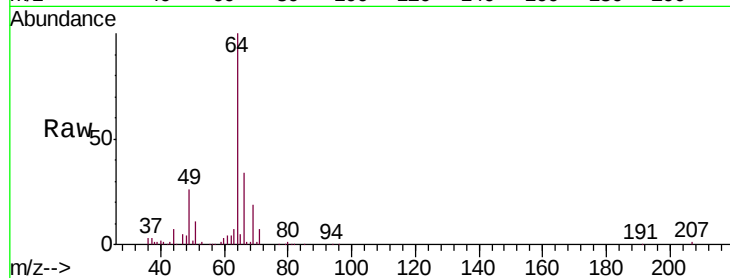
VSTD02502

Tgt Ion: 64 Resp: 83512

Ion Ratio Lower Upper

64 100

66 33.7 22.7 42.1



#9

Trichlorofluoromethane

Concen: 29.111 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW006292.D

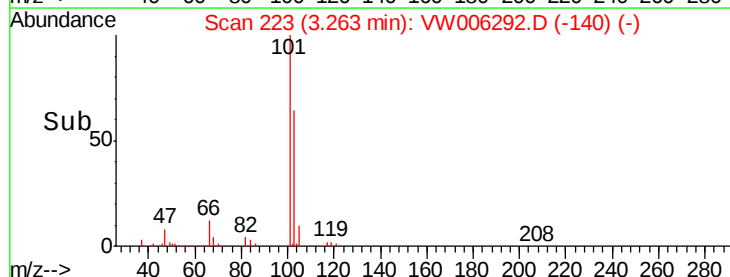
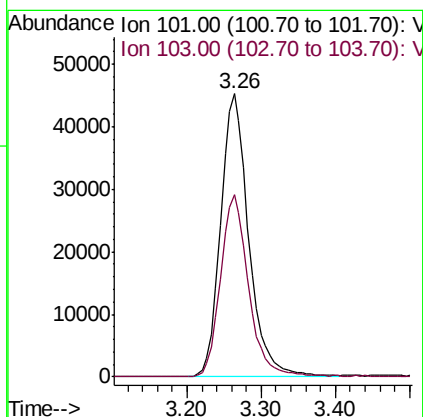
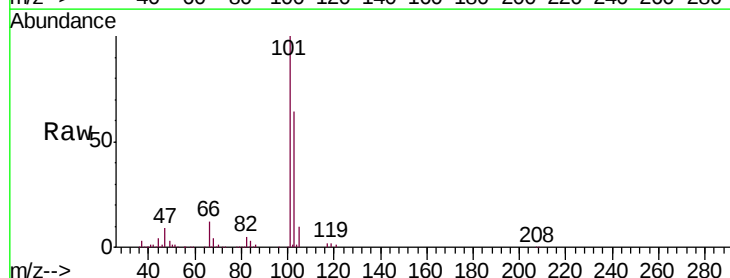
Acq: 23 Oct 2018 12:49

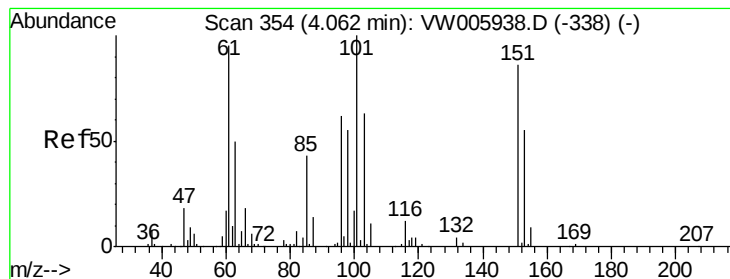
Tgt Ion: 101 Resp: 118906

Ion Ratio Lower Upper

101 100

103 64.0 45.6 84.6





#11

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

Concen: 27.978 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

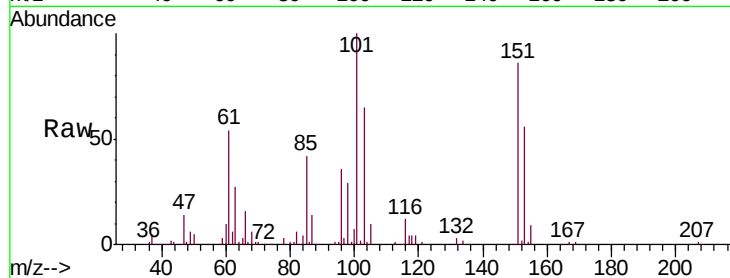
Tgt Ion: 101 Resp: 114253

Ion Ratio Lower Upper

101 100

85 41.1 33.4 50.2

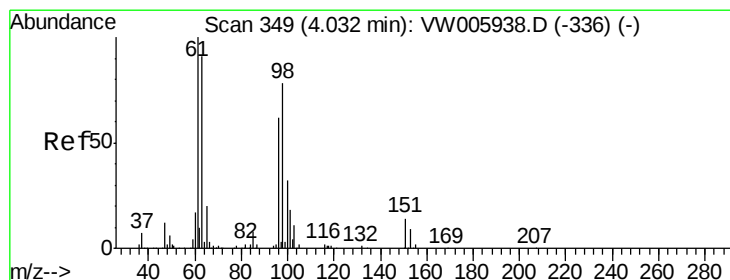
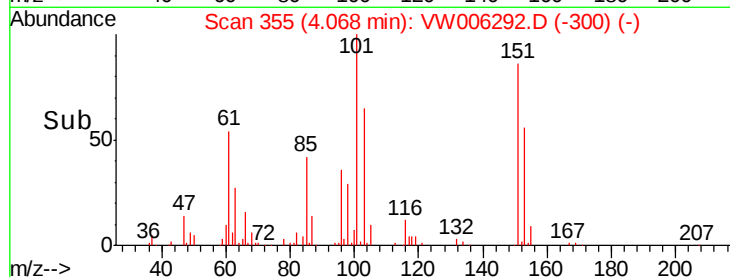
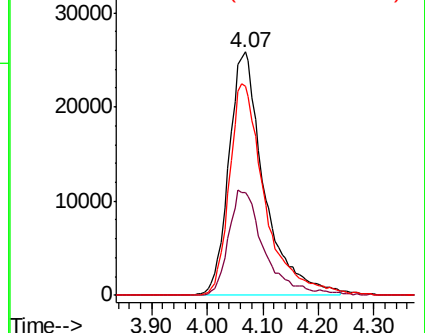
151 85.9 68.7 103.1



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: 26.701 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

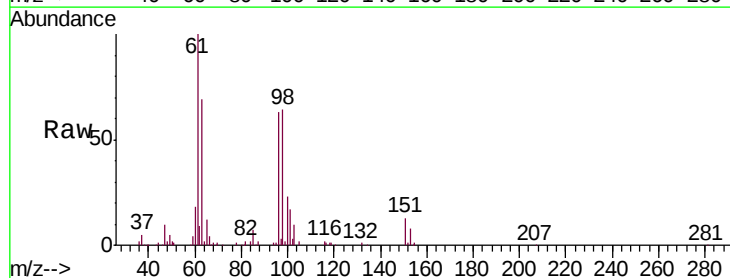
Tgt Ion: 96 Resp: 104624

Ion Ratio Lower Upper

96 100

61 159.9 112.3 208.7

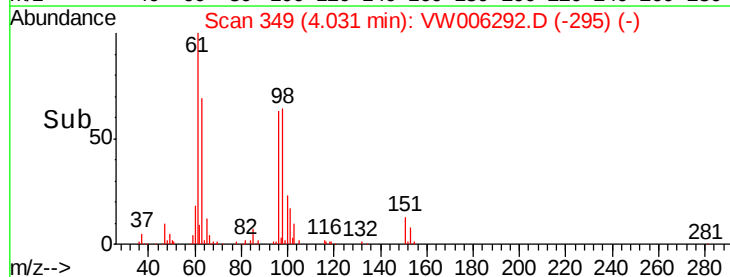
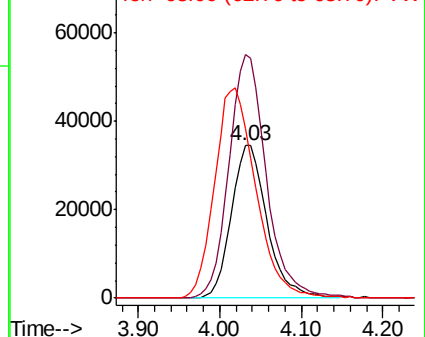
63 110.9 102.6 190.6

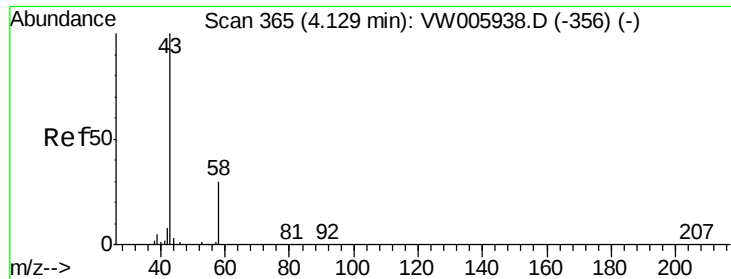


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

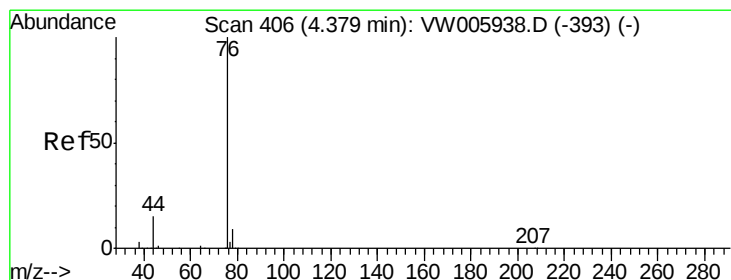
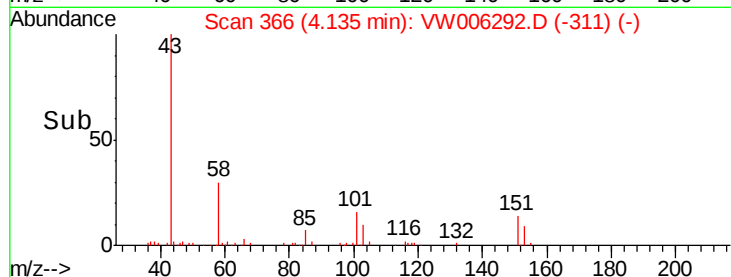
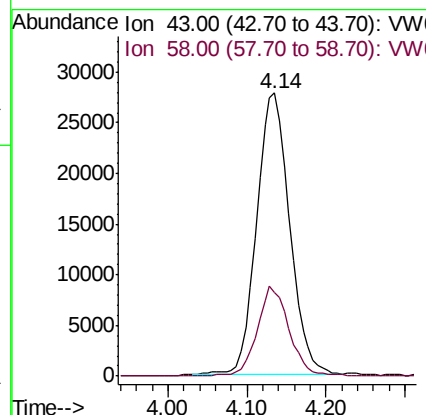
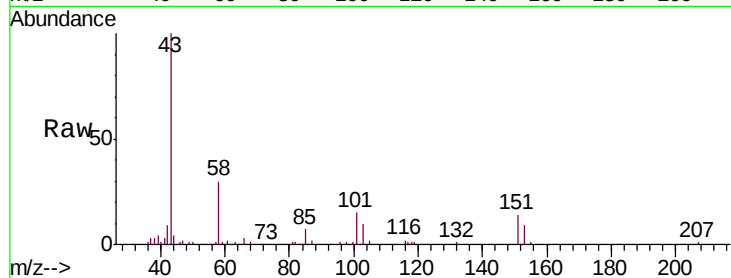




#13
Acetone
Concen: 62.902 ug/L
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

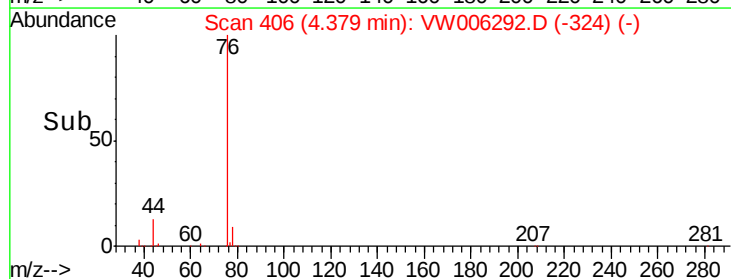
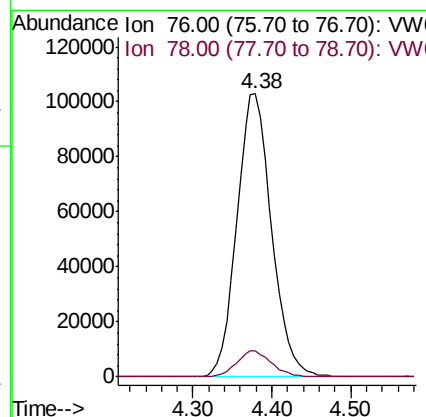
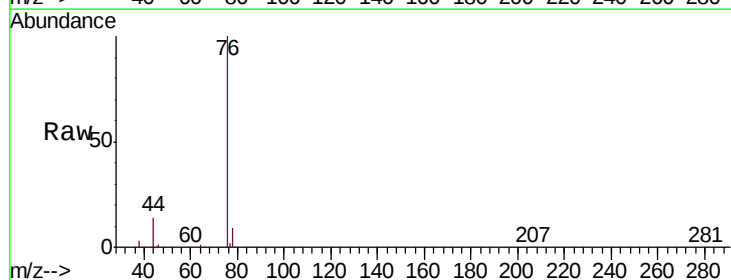
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

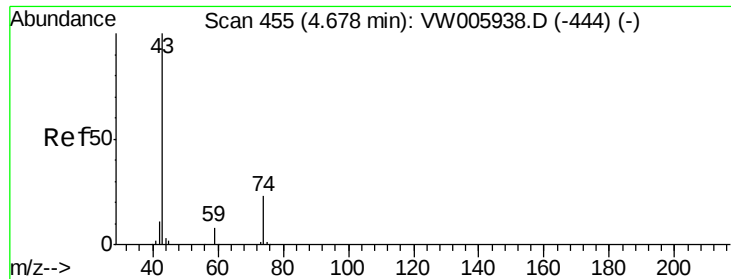
Tgt Ion: 43 Resp: 81073
Ion Ratio Lower Upper
43 100
58 30.4 0.0 61.2



#14
Carbon disulfide
Concen: 24.575 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

Tgt Ion: 76 Resp: 314788
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4

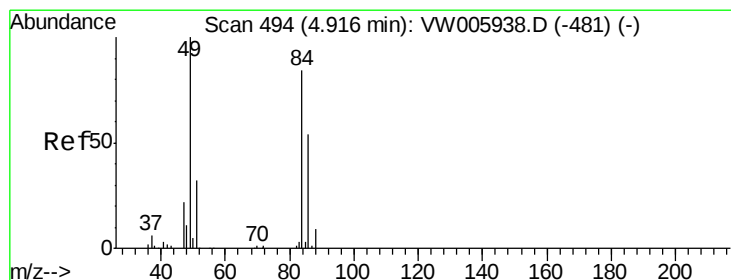
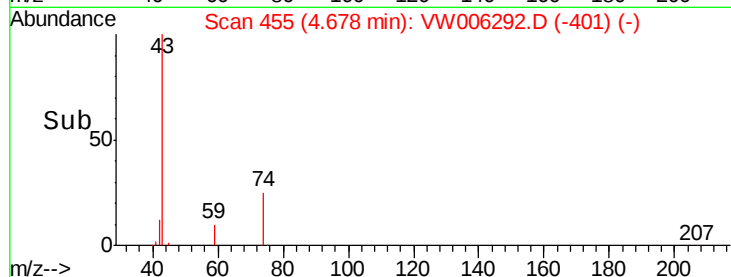
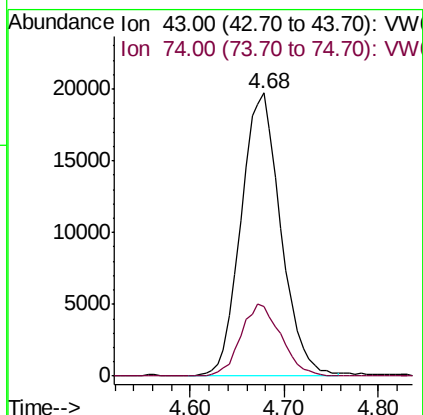
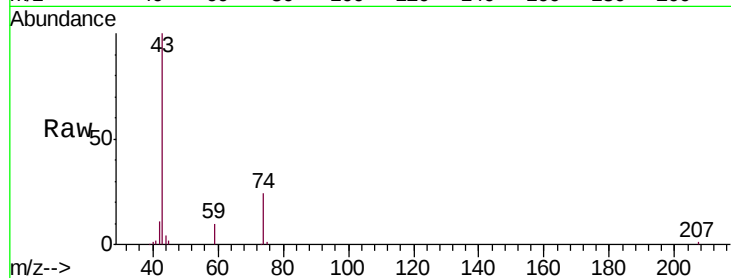




#15
Methyl Acetate
Concen: 27.857 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

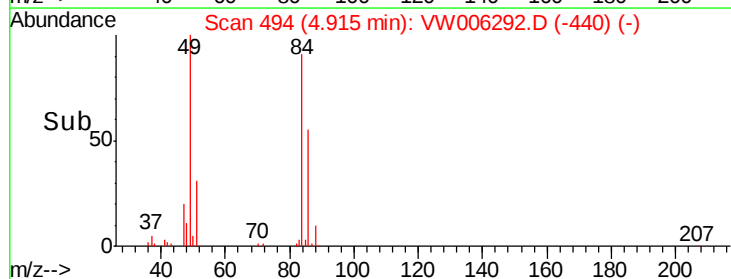
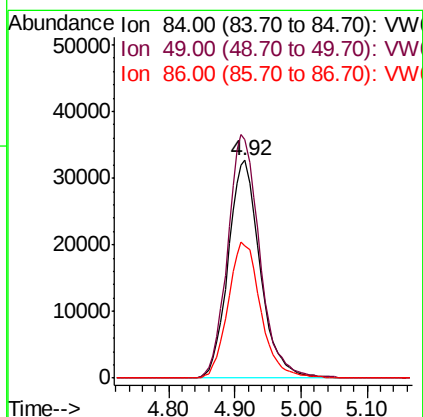
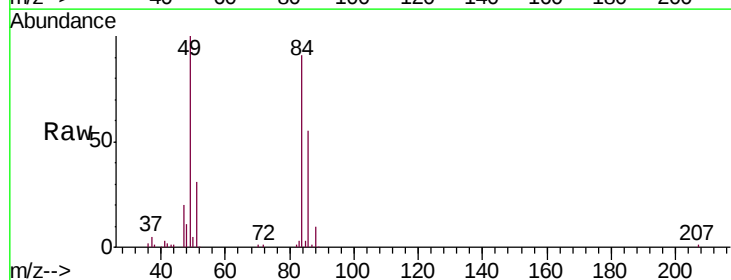
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

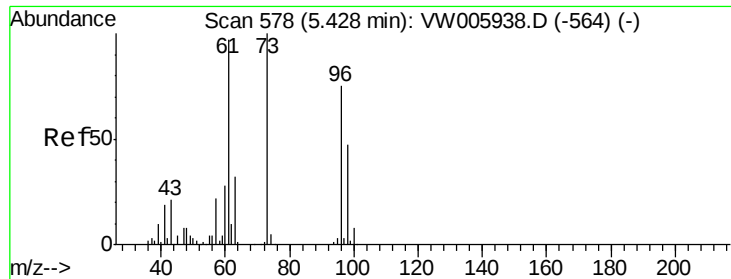
Tgt Ion: 43 Resp: 58155
Ion Ratio Lower Upper
43 100
74 25.7 19.4 29.2



#16
Methylene chloride
Concen: 24.864 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

Tgt Ion: 84 Resp: 109557
Ion Ratio Lower Upper
84 100
49 109.8 83.5 155.1
86 60.8 44.9 83.5

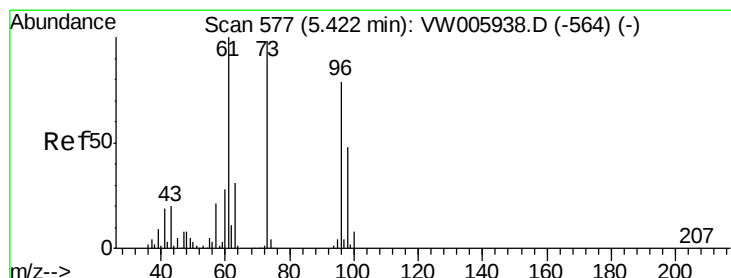
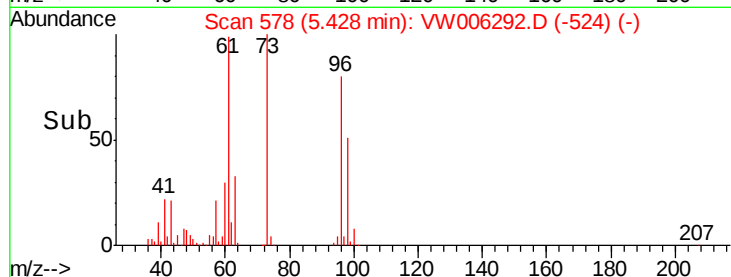
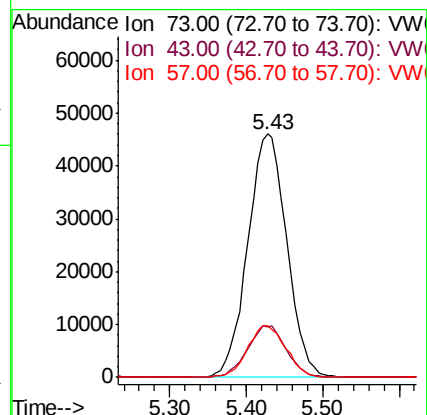
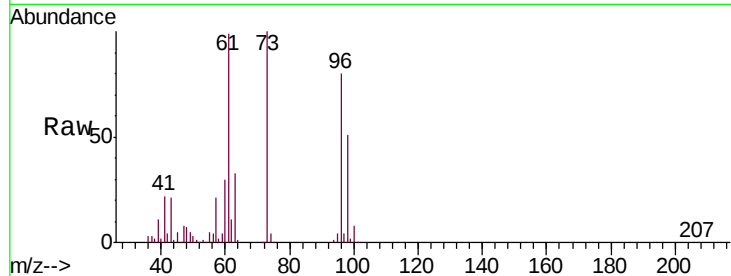




#17
Methyl tert-butyl Ether
Concen: 25.588 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

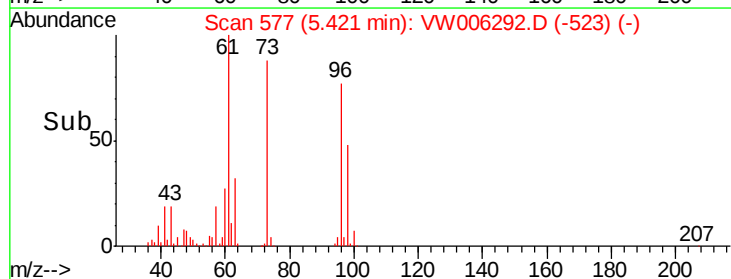
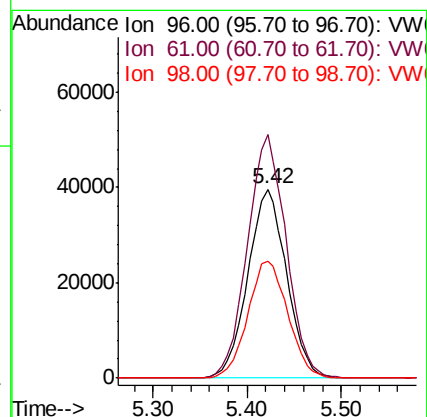
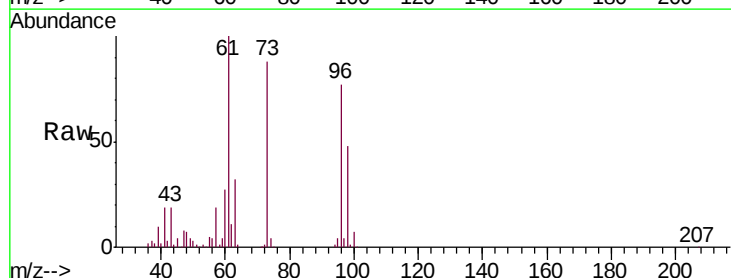
Instrument :
MSVOA_W
ClientSampled :
VSTD02502

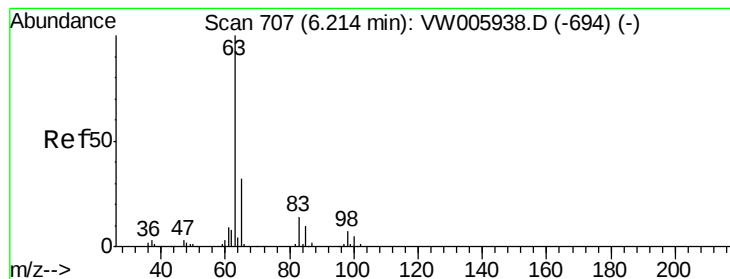
Tgt Ion: 73 Resp: 163204
Ion Ratio Lower Upper
73 100
43 21.1 17.0 25.4
57 20.8 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 26.421 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

Tgt Ion: 96 Resp: 114617
Ion Ratio Lower Upper
96 100
61 129.1 89.0 165.2
98 61.9 42.4 78.6





#19

1,1-Dichloroethane

Concen: 26.018 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

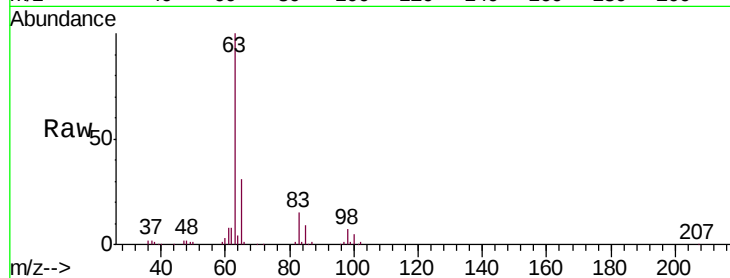
Tgt Ion: 63 Resp: 182652

Ion Ratio Lower Upper

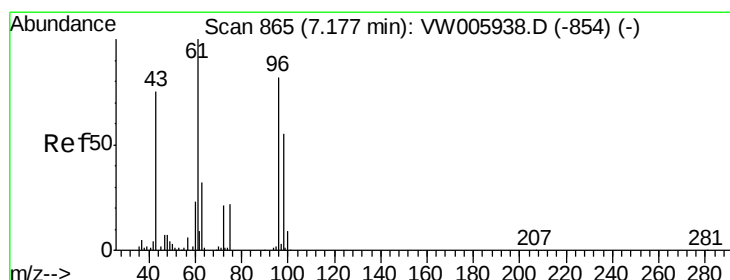
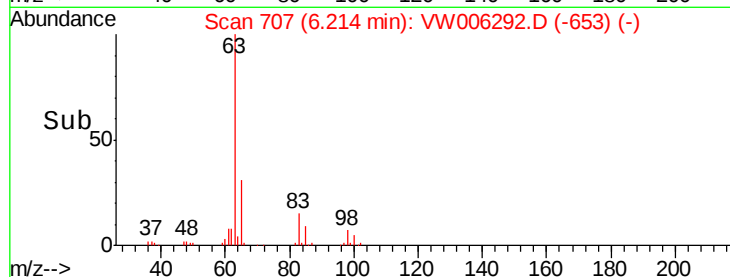
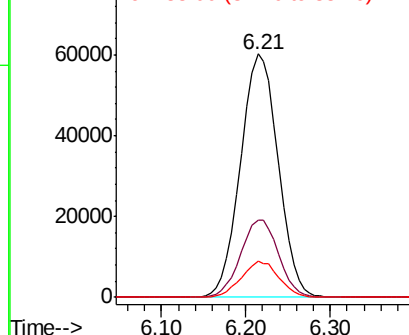
63 100

65 31.5 22.3 41.5

83 14.7 9.7 18.1



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



#21

2-Butanone

Concen: 55.825 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW006292.D

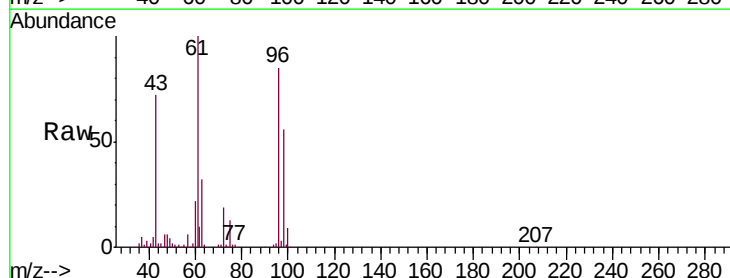
Acq: 23 Oct 2018 12:49

Tgt Ion: 43 Resp: 95606

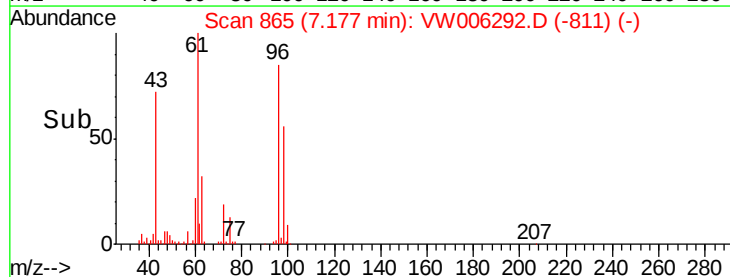
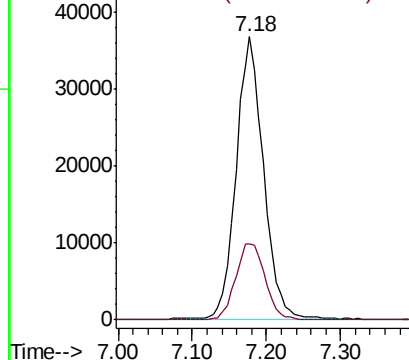
Ion Ratio Lower Upper

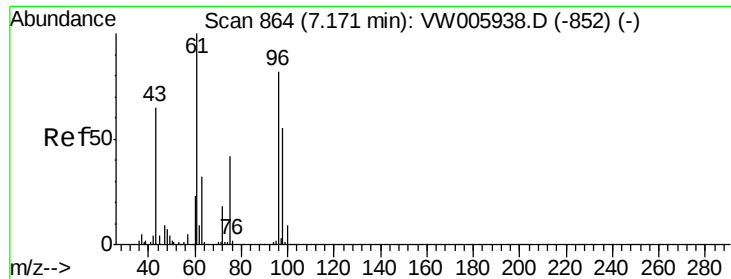
43 100

72 28.9 13.8 41.4



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



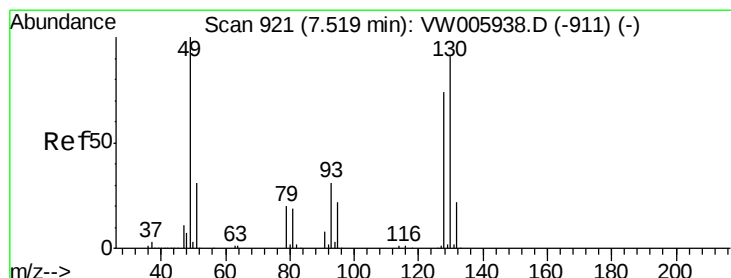
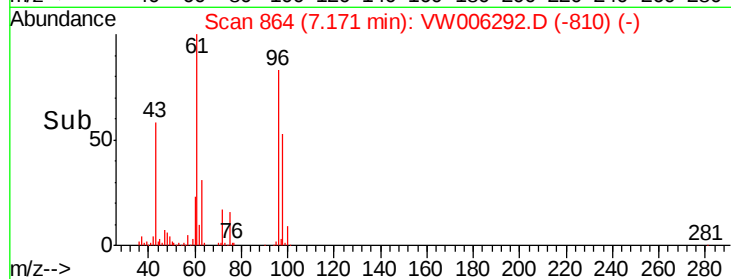
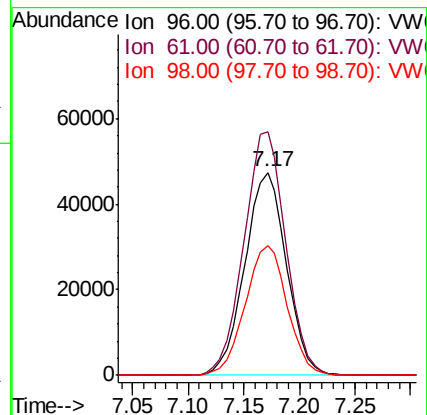
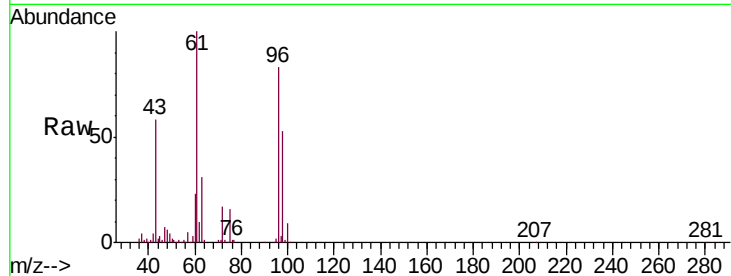


#22

cis-1,2-Dichloroethene
 Concen: 26.069 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

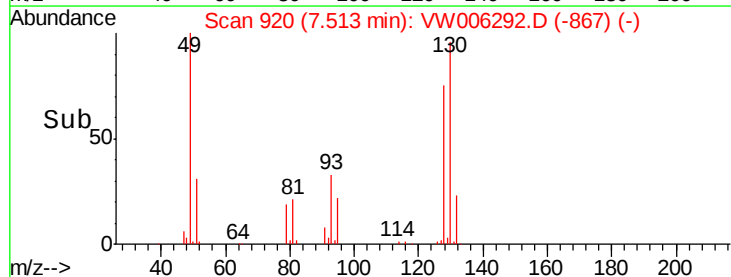
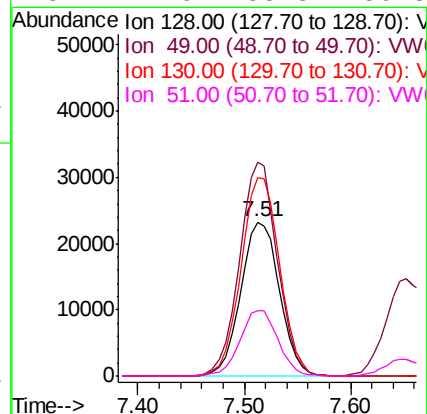
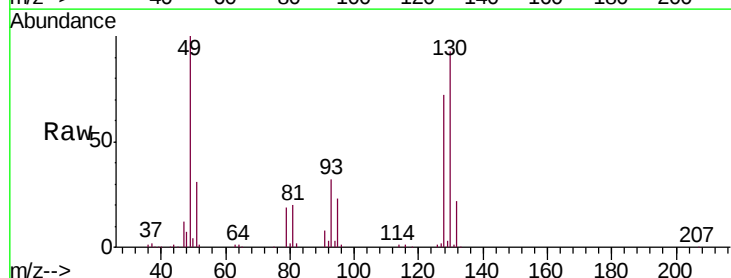
Tgt Ion: 96 Resp: 123360
 Ion Ratio Lower Upper
 96 100
 61 120.1 85.1 158.1
 98 64.2 46.3 86.1

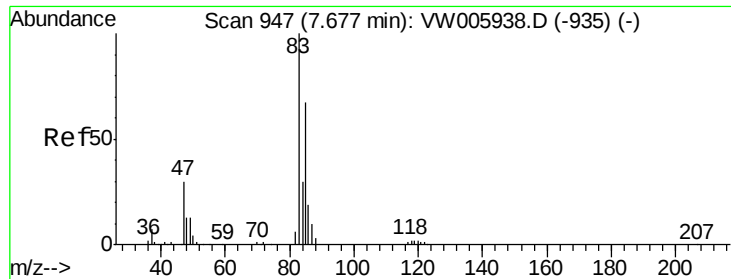


#23

Bromochloromethane
 Concen: 26.651 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

Tgt Ion: 128 Resp: 59318
 Ion Ratio Lower Upper
 128 100
 49 138.7 95.2 176.8
 130 128.8 86.3 160.3
 51 42.6 33.8 50.8

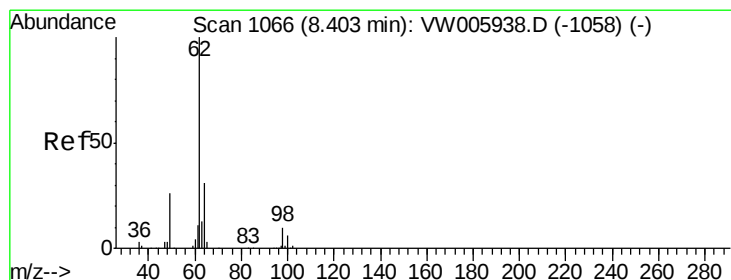
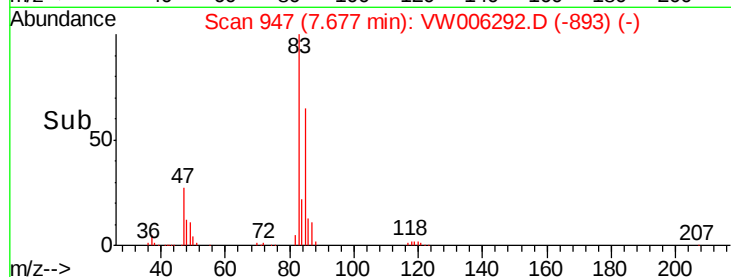
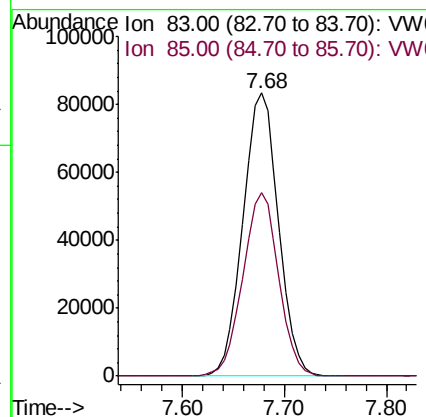
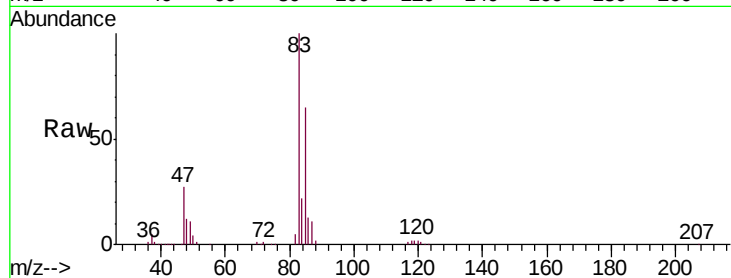




#25
Chloroform
Concen: 26.682 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

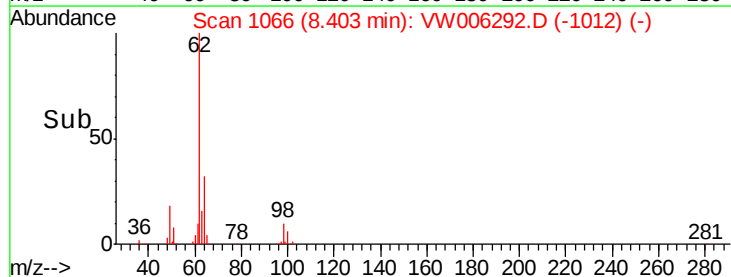
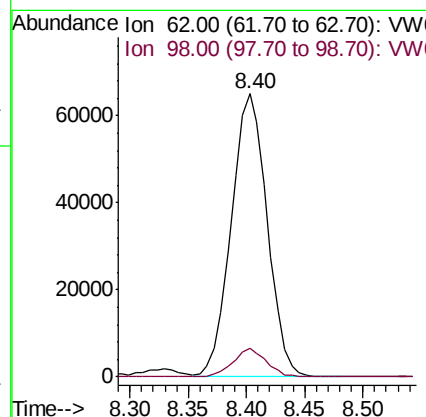
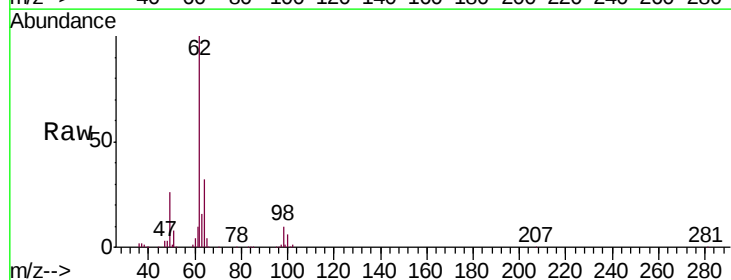
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

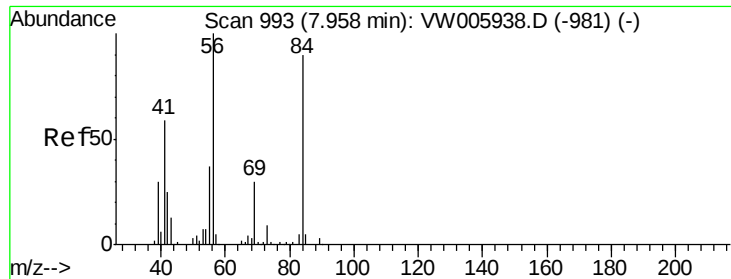
Tgt Ion: 83 Resp: 201630
Ion Ratio Lower Upper
83 100
85 65.5 46.3 85.9



#27
1,2-Dichloroethane
Concen: 27.037 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

Tgt Ion: 62 Resp: 139265
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0

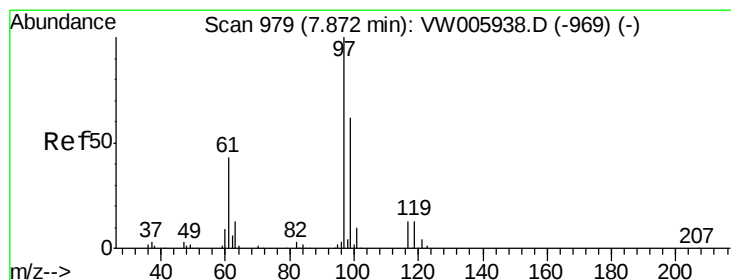
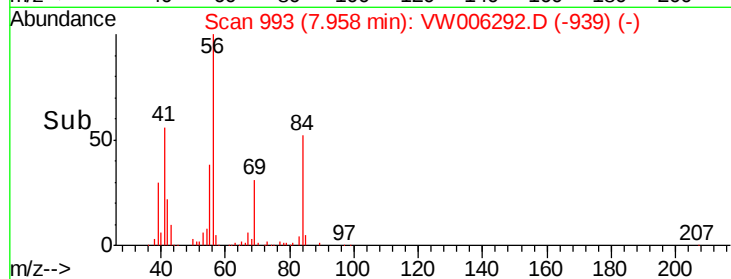
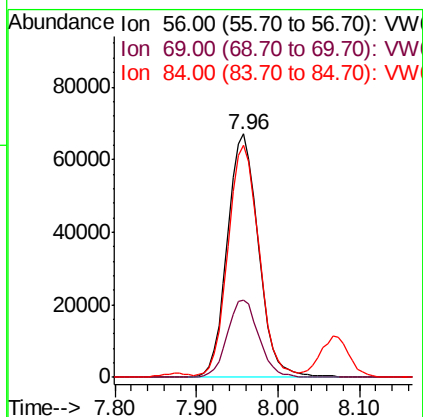
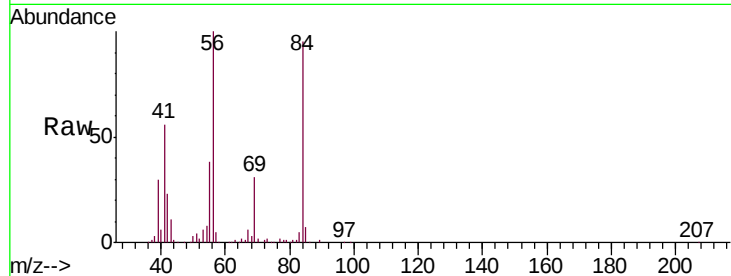




#30
Cyclohexane
Concen: 24.979 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

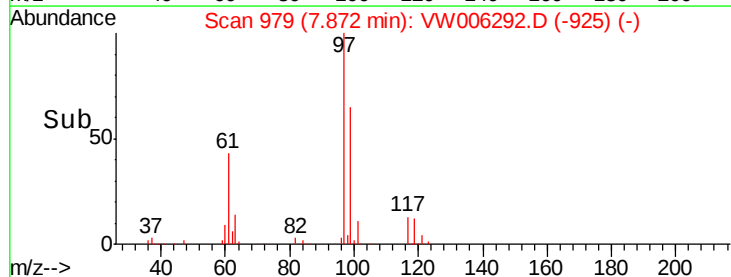
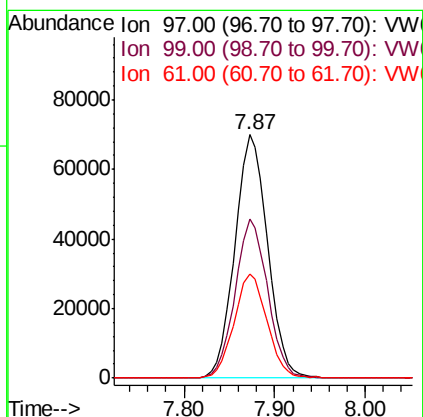
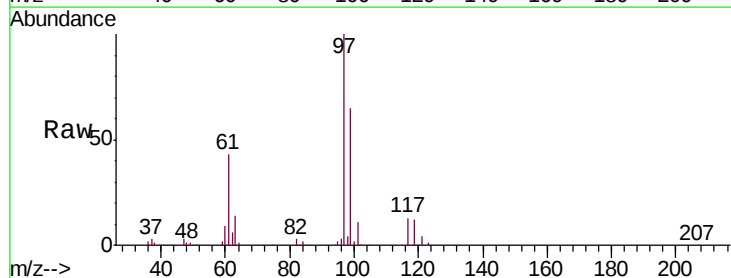
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

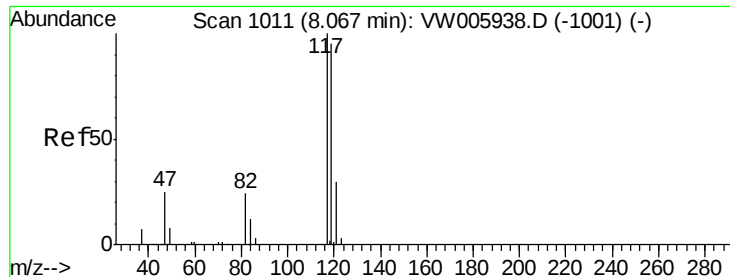
Tgt Ion: 56 Resp: 177304
Ion Ratio Lower Upper
56 100
69 31.9 25.4 38.0
84 94.6 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 25.918 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

Tgt Ion: 97 Resp: 175150
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 42.9 33.6 50.4





#32

Carbon tetrachloride

Concen: 25.717 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

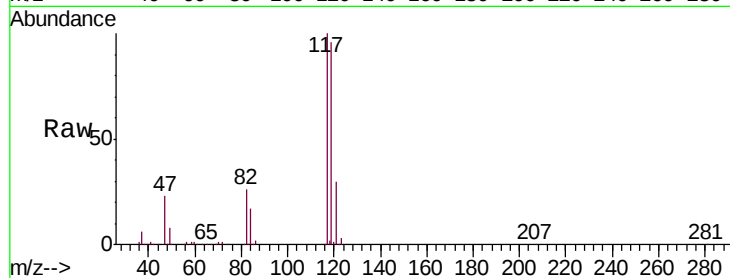
VSTD02502

Tgt Ion:117 Resp: 170437

Ion Ratio Lower Upper

117 100

119 95.8 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

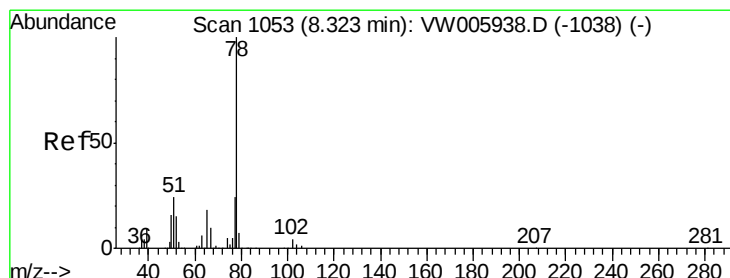
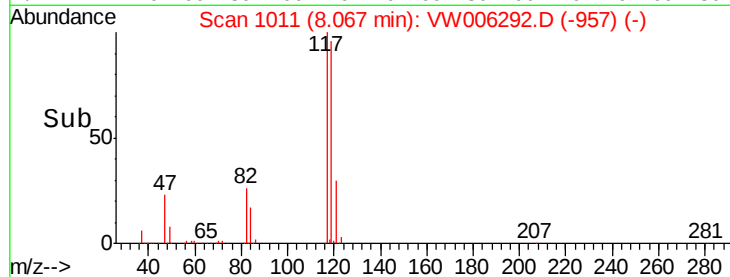
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 26.156 ug/L

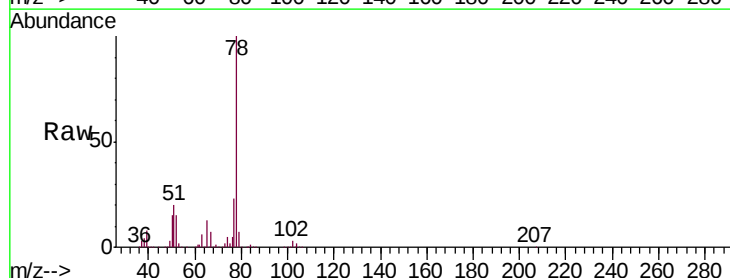
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Tgt Ion: 78 Resp: 433642



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

200000

150000

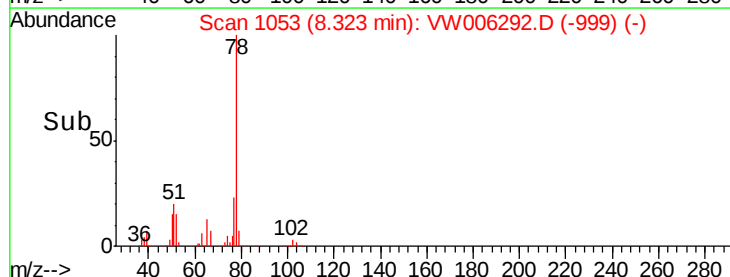
100000

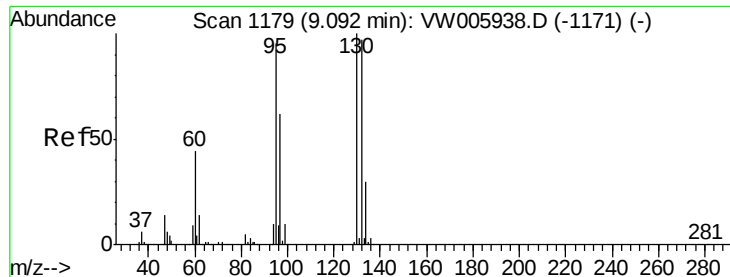
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 26.398 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

Tgt Ion: 95 Resp: 123136

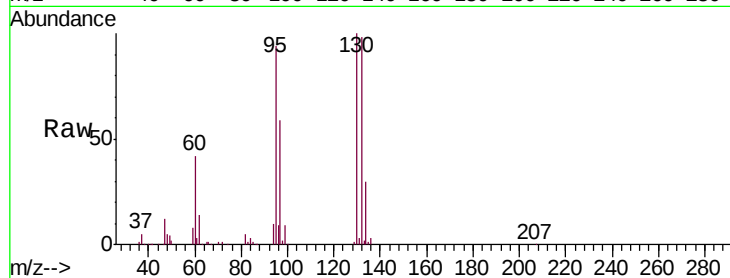
Ion Ratio Lower Upper

95 100

97 64.6 45.8 85.0

132 104.9 72.9 135.3

130 108.3 75.8 140.8

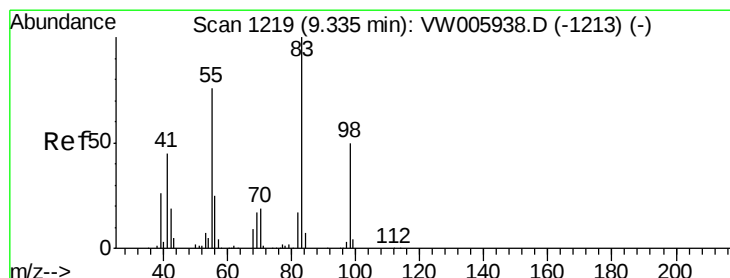
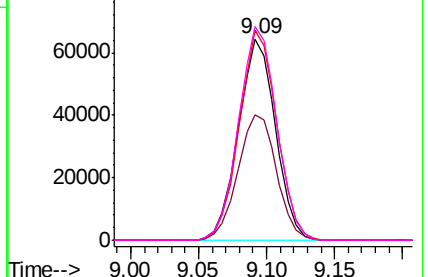
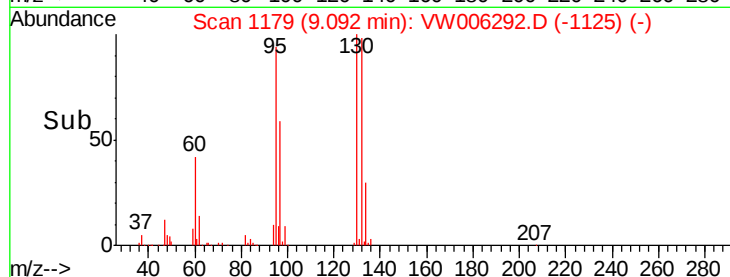


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 26.010 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

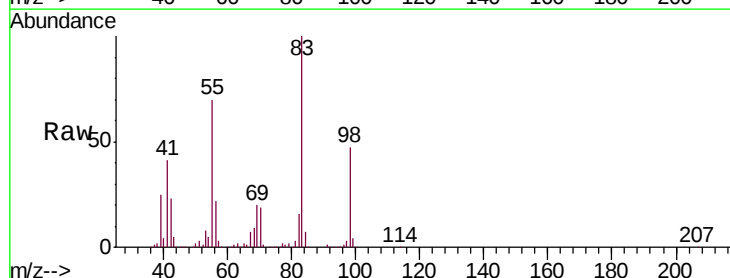
Tgt Ion: 83 Resp: 222297

Ion Ratio Lower Upper

83 100

55 69.6 57.1 85.7

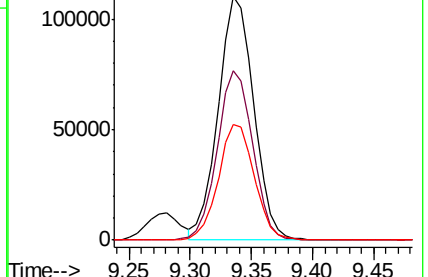
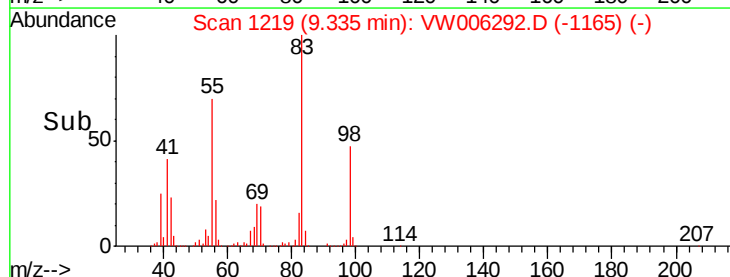
98 48.1 38.9 58.3

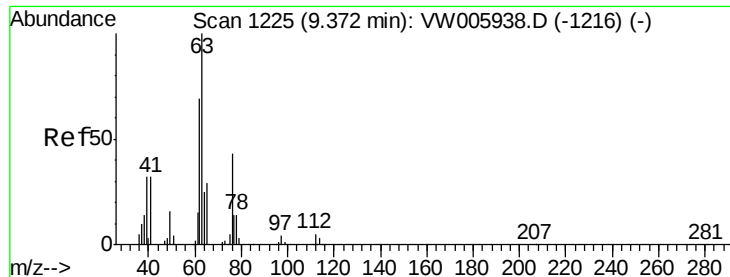


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

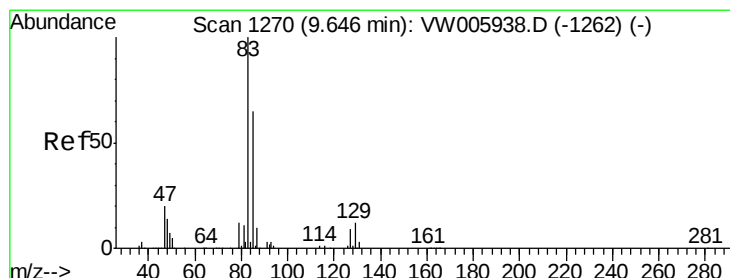
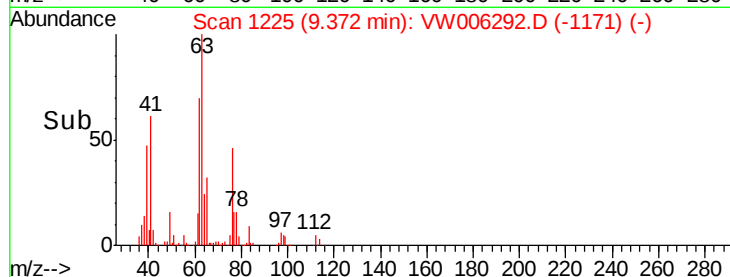
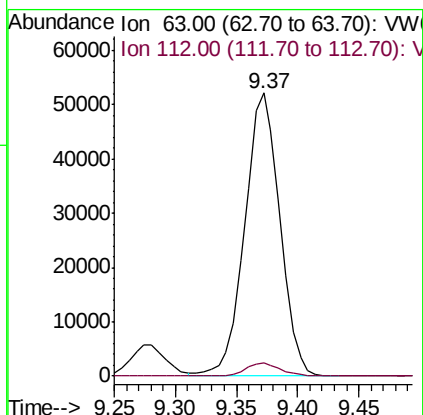
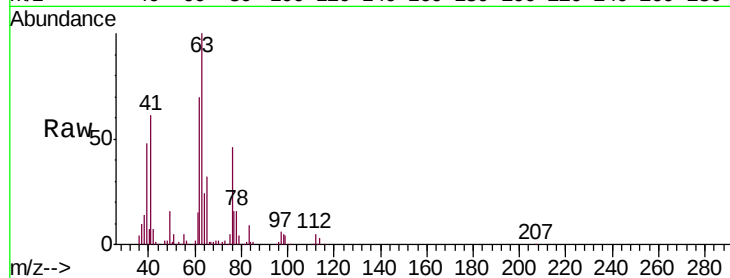




#40
 1,2-Dichloropropane
 Concen: 25.310 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

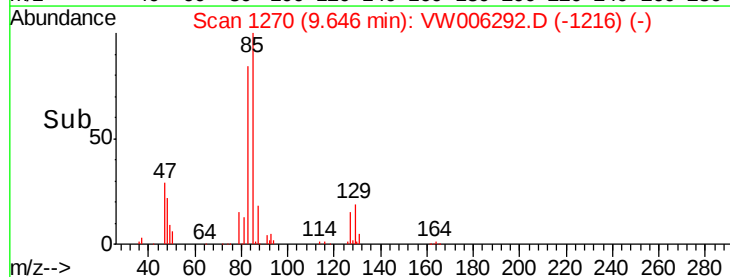
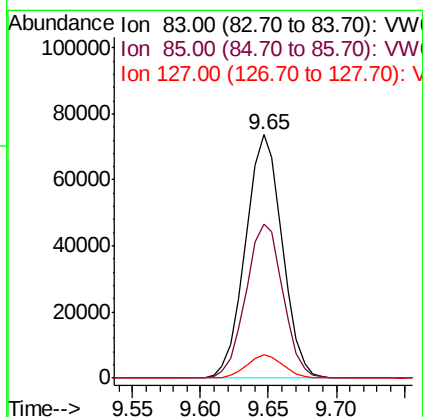
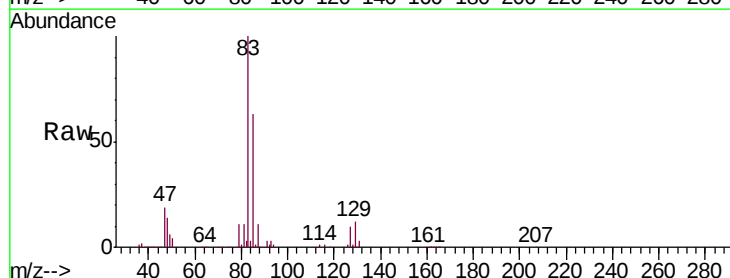
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

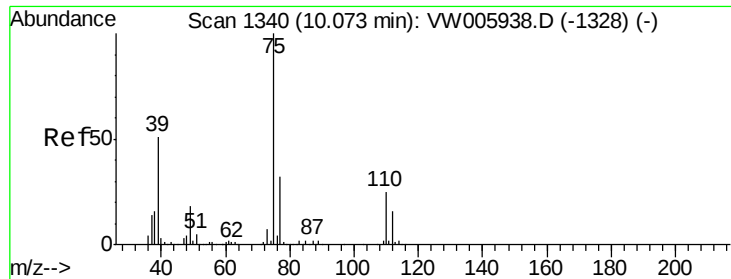
Tgt Ion: 63 Resp: 104092
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#41
 Bromodichloromethane
 Concen: 25.148 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

Tgt Ion: 83 Resp: 139661
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.5 84.5
 127 9.7 7.4 11.2

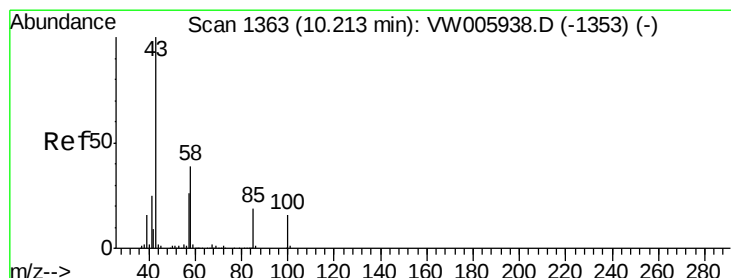
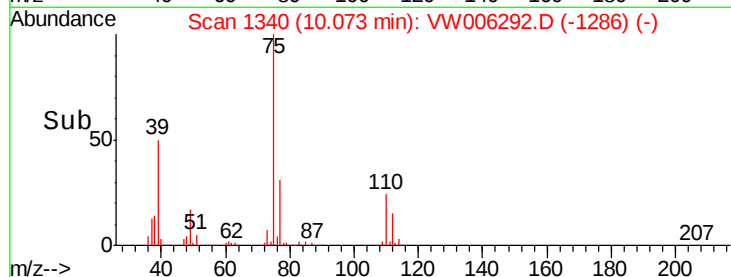
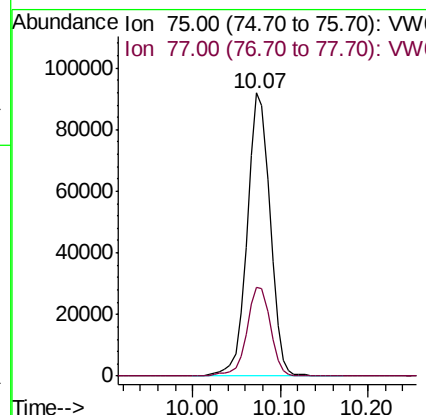
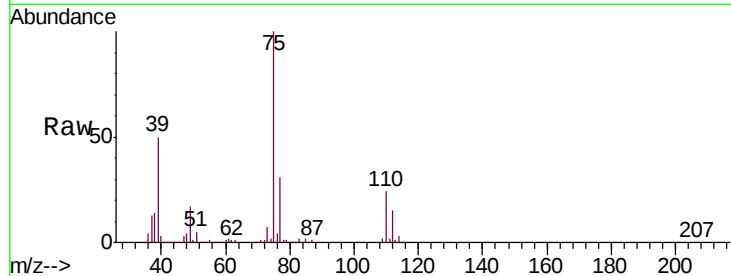




#42
 cis-1,3-Dichloropropene
 Concen: 24.862 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

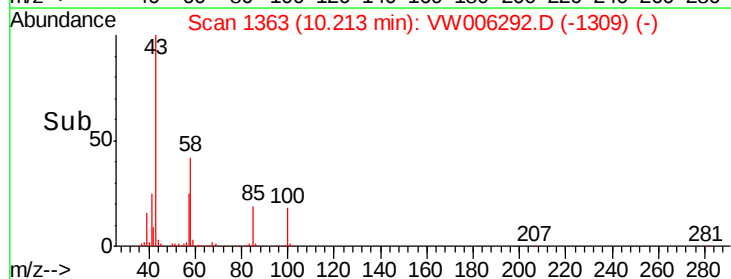
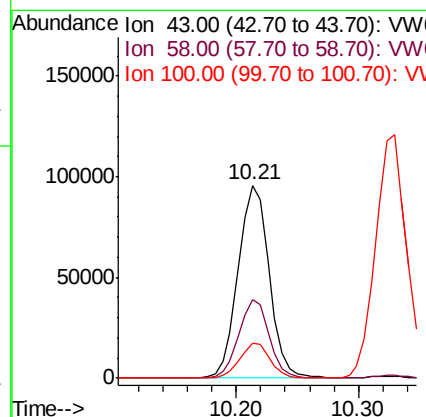
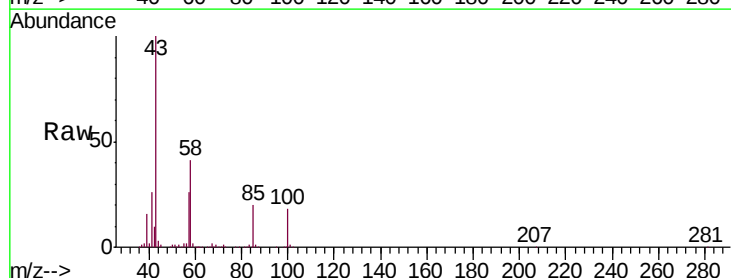
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

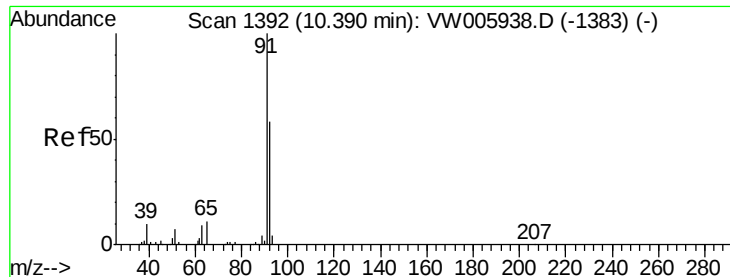
Tgt Ion: 75 Resp: 167007
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.6 42.0



#43
 4-Methyl-2-pentanone
 Concen: 50.913 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

Tgt Ion: 43 Resp: 167783
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.4 47.2
 100 17.7 13.3 19.9





#44

Toluene

Concen: 26.219 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

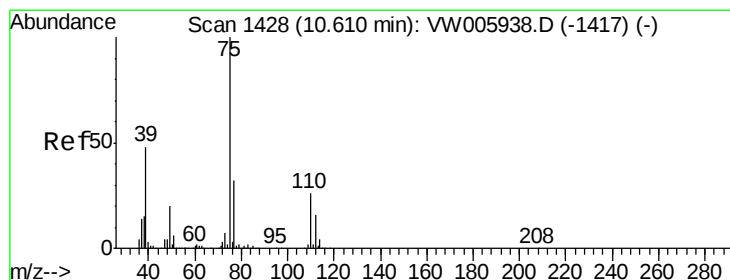
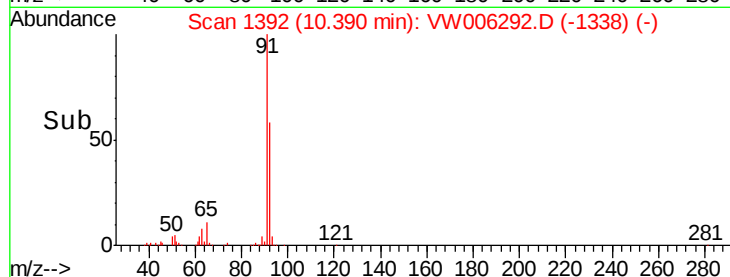
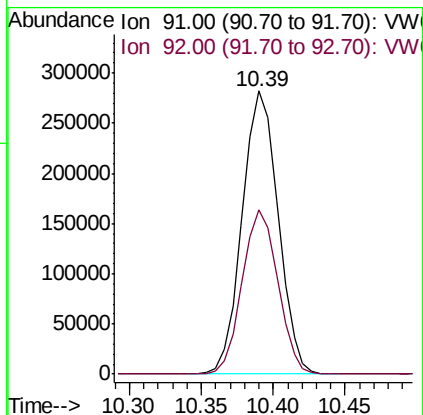
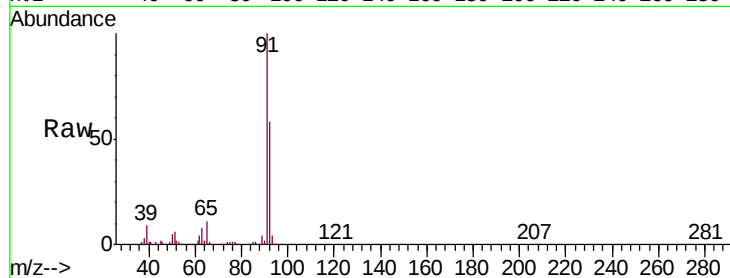
VSTD02502

Tgt Ion: 91 Resp: 488071

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 25.205 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006292.D

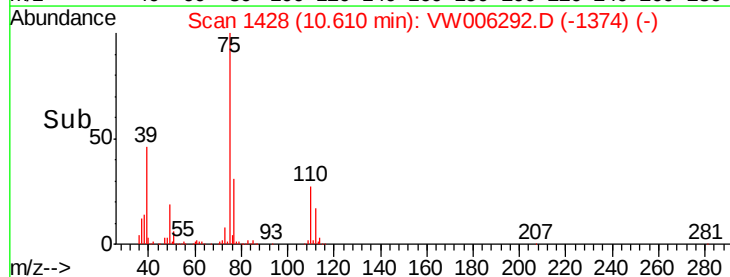
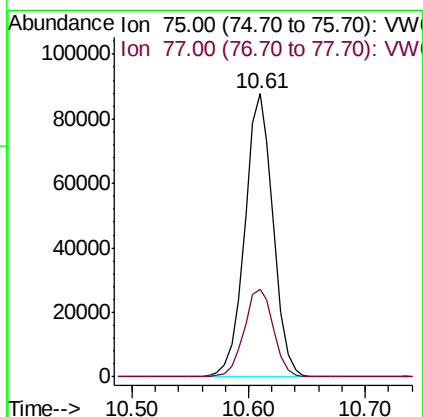
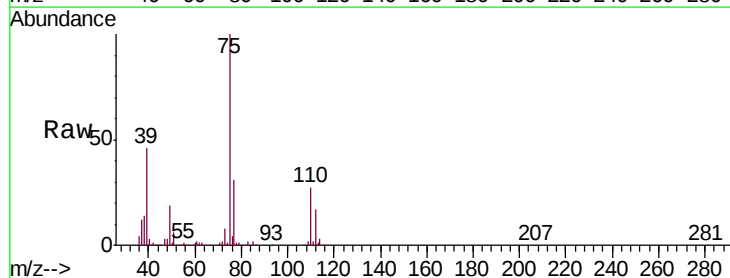
Acq: 23 Oct 2018 12:49

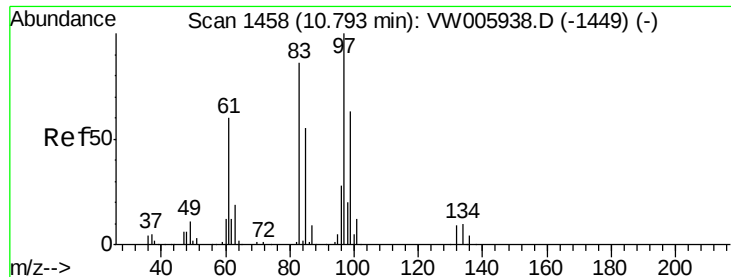
Tgt Ion: 75 Resp: 147888

Ion Ratio Lower Upper

75 100

77 30.7 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 27.086 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

Tgt Ion: 97 Resp: 92764

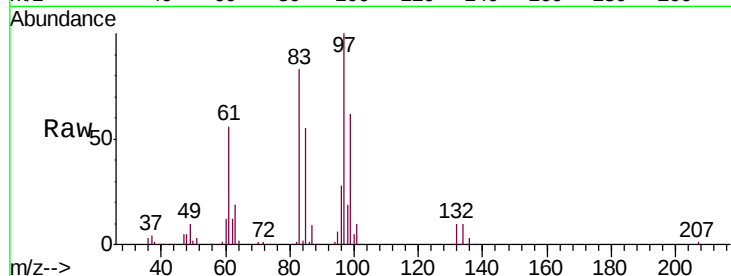
Ion Ratio Lower Upper

97 100

83 83.3 60.0 111.4

85 54.9 38.7 71.9

99 61.9 44.3 82.3



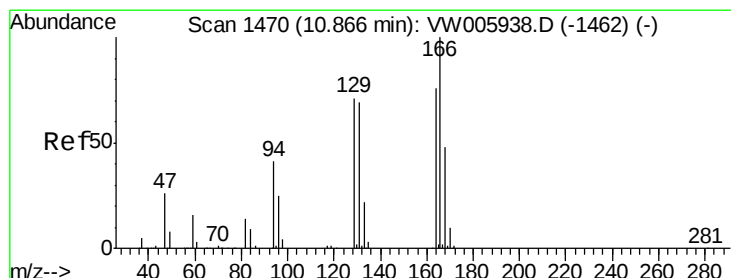
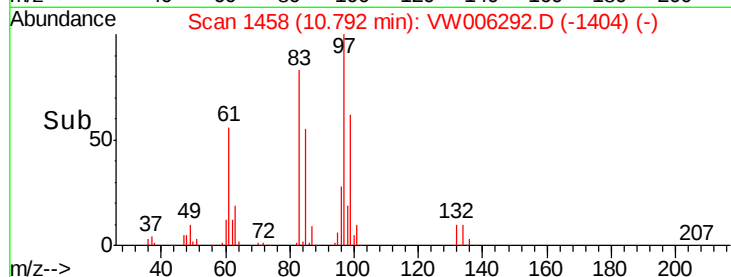
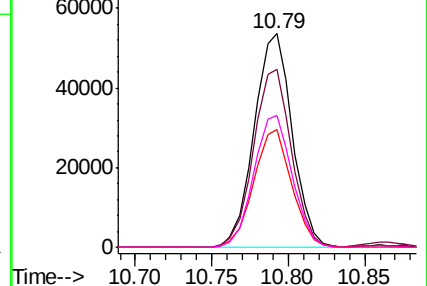
Abundance

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: 26.699 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Tgt Ion: 164 Resp: 115284

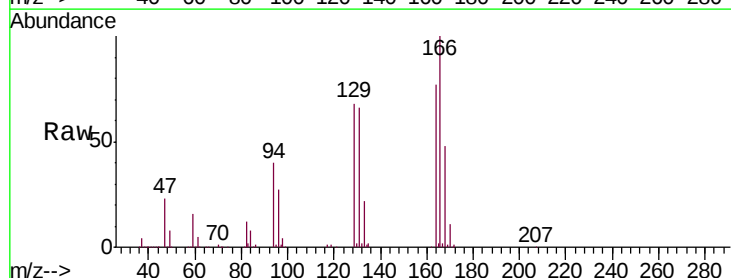
Ion Ratio Lower Upper

164 100

129 88.3 65.4 121.4

131 85.4 63.8 118.4

166 129.3 92.3 171.3



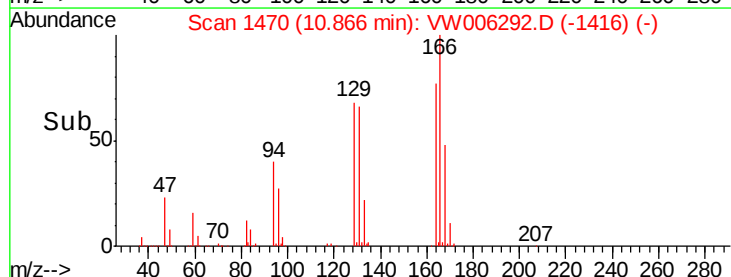
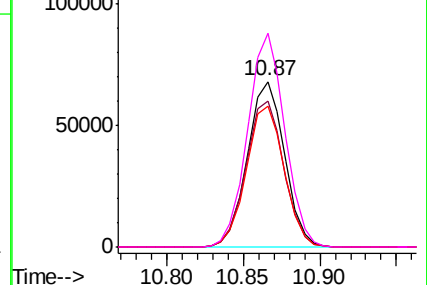
Abundance

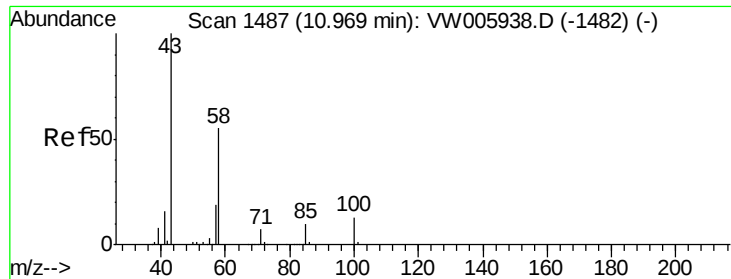
Ion 164.00 (163.70 to 164.70): V

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

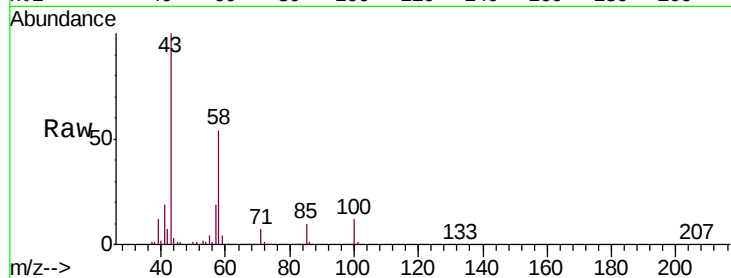




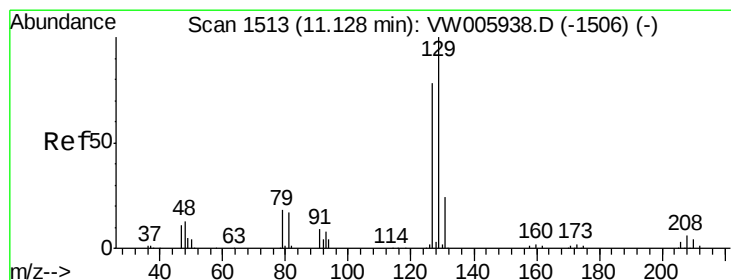
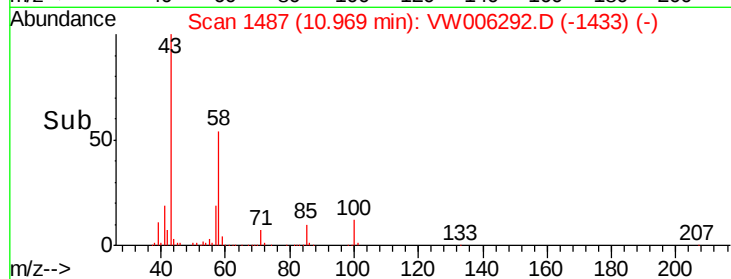
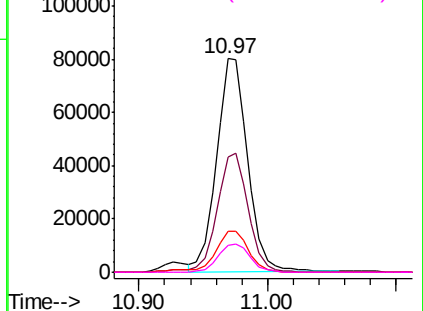
#49
2-Hexanone
Concen: 55.474 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

Tgt Ion: 43 Resp: 134733
Ion Ratio Lower Upper
43 100
58 56.4 42.1 63.1
57 20.0 15.1 22.7
100 13.5 9.9 14.9

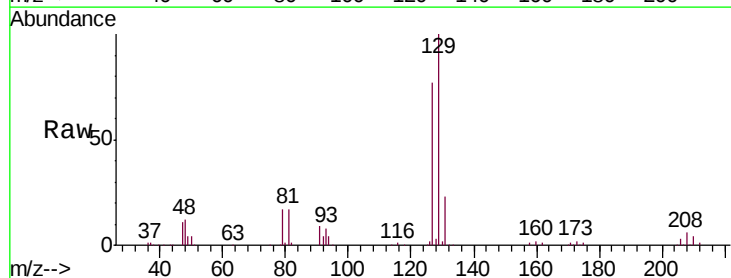


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

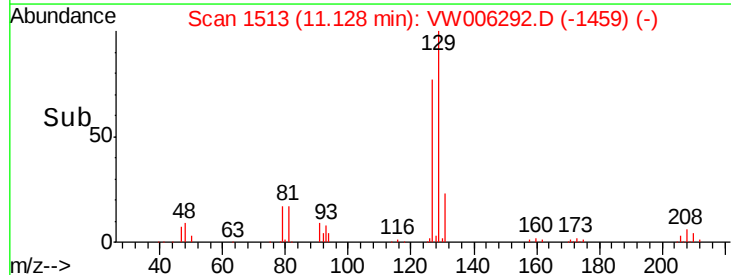
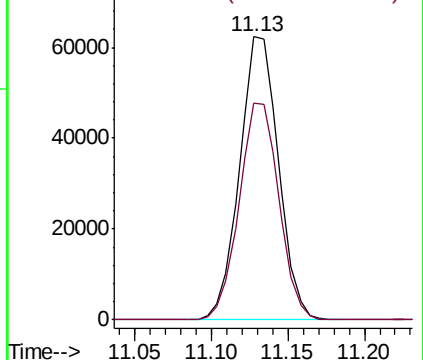


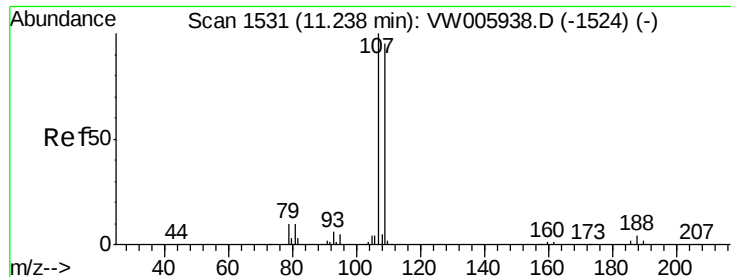
#50
Dibromochloromethane
Concen: 25.078 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

Tgt Ion: 129 Resp: 110084
Ion Ratio Lower Upper
129 100
127 76.7 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

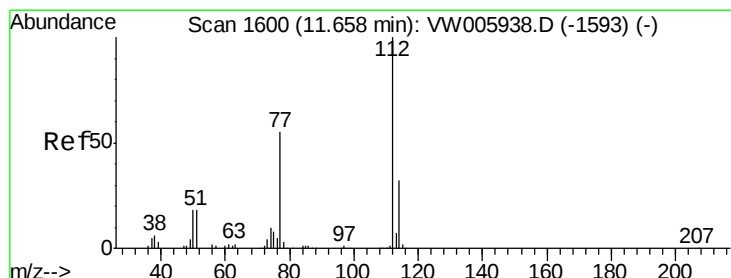
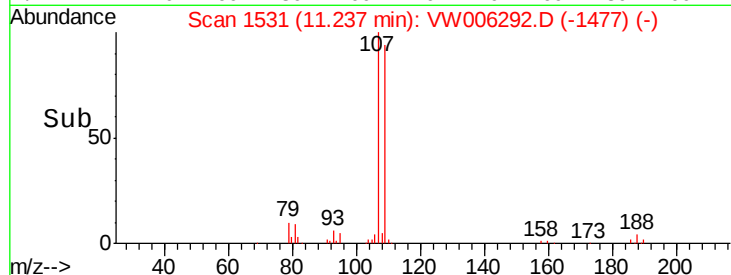
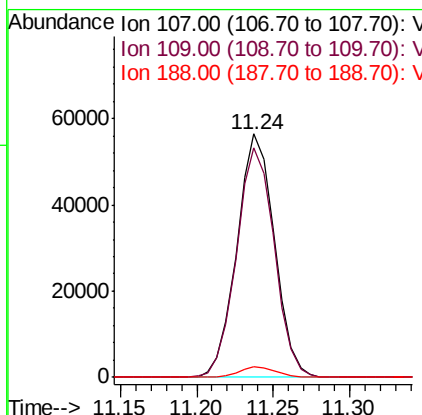
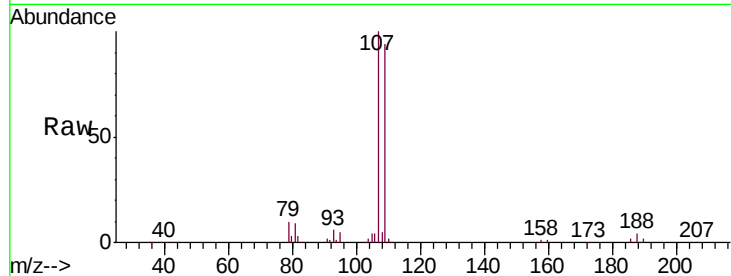




#51
 1,2-Dibromoethane
 Concen: 26.958 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

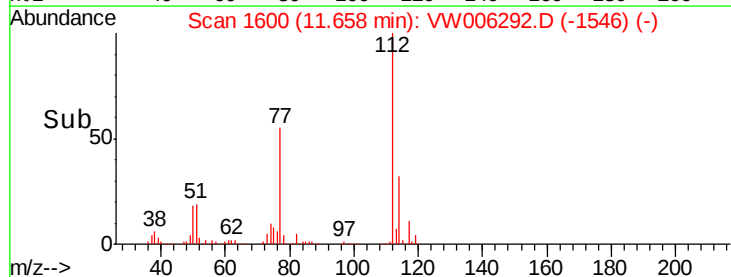
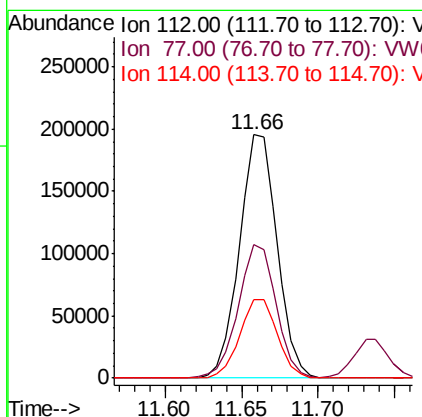
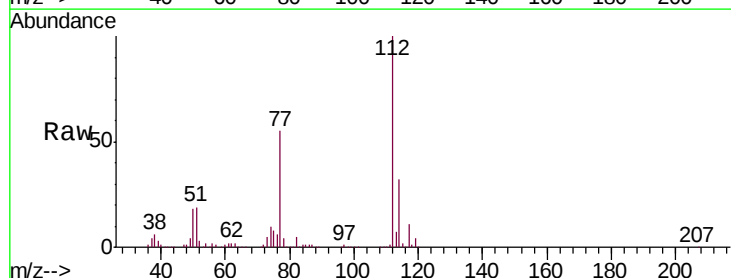
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

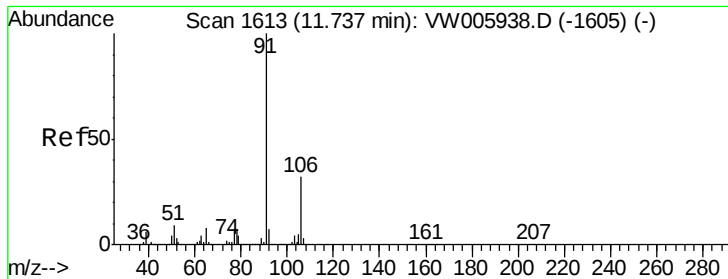
Tgt Ion:107 Resp: 96104
 Ion Ratio Lower Upper
 107 100
 109 94.1 66.6 123.8
 188 4.3 3.4 5.0



#52
 Chlorobenzene
 Concen: 26.518 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

Tgt Ion:112 Resp: 334064
 Ion Ratio Lower Upper
 112 100
 77 54.6 44.2 66.2
 114 32.1 22.1 41.1





#53

Ethylbenzene

Concen: 26.332 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

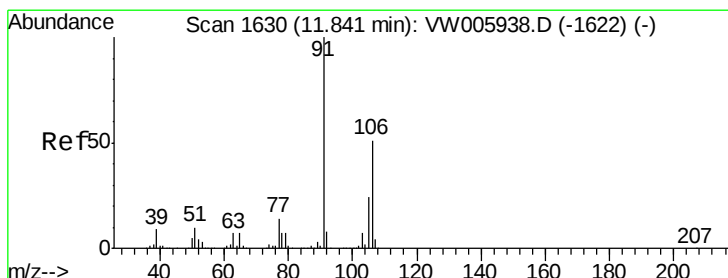
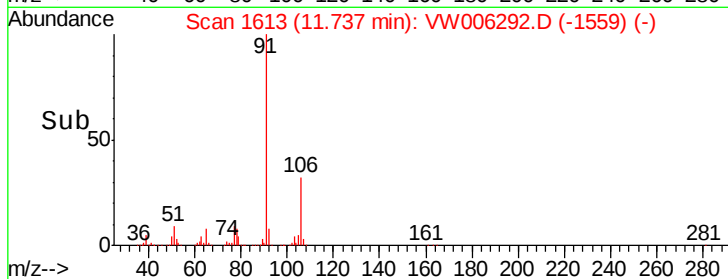
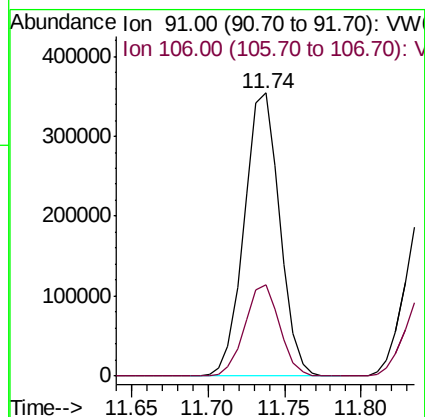
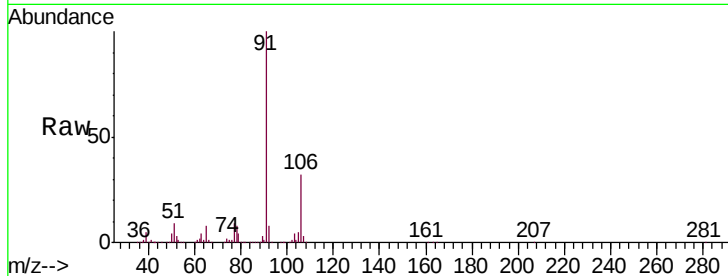
VSTD02502

Tgt Ion: 91 Resp: 570659

Ion Ratio Lower Upper

91 100

106 32.4 22.6 42.0



#54

m,p-Xylene

Concen: 26.332 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW006292.D

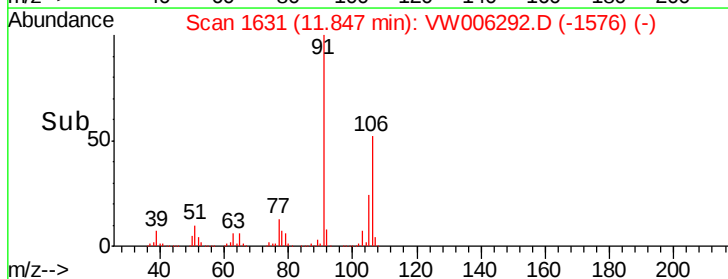
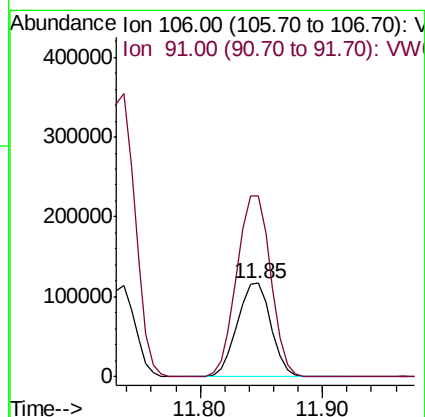
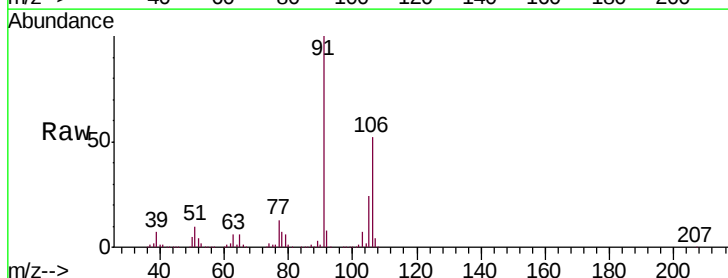
Acq: 23 Oct 2018 12:49

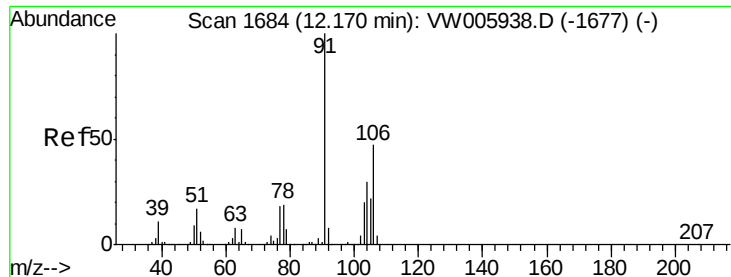
Tgt Ion: 106 Resp: 223686

Ion Ratio Lower Upper

106 100

91 194.1 138.4 257.0

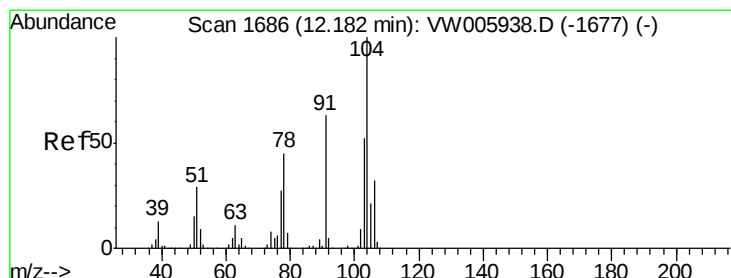
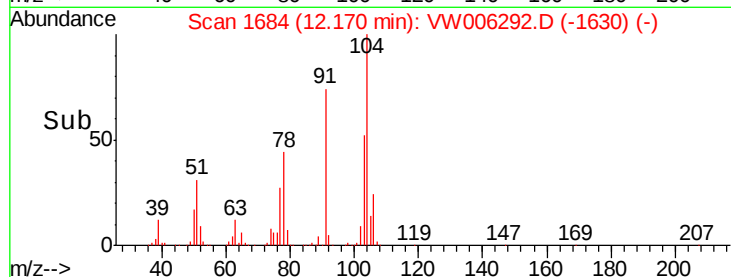
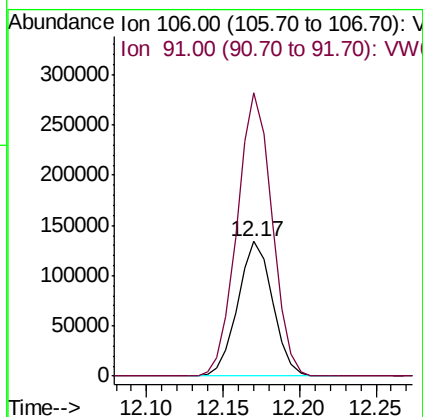
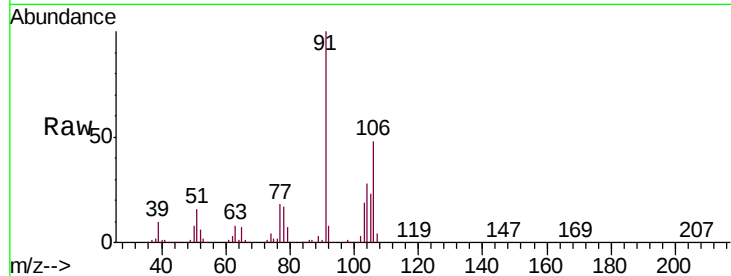




#55
o-xylene
Concen: 26.144 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

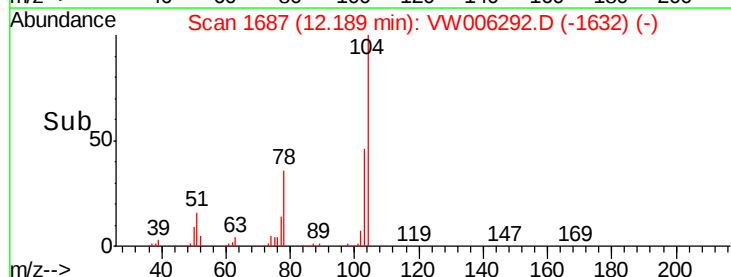
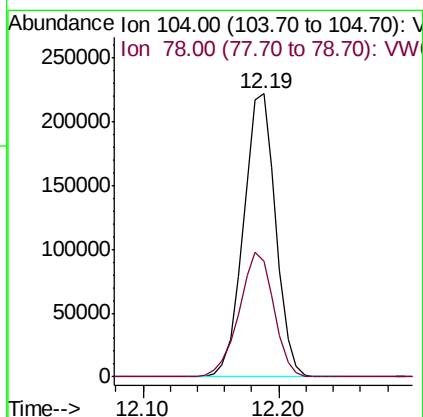
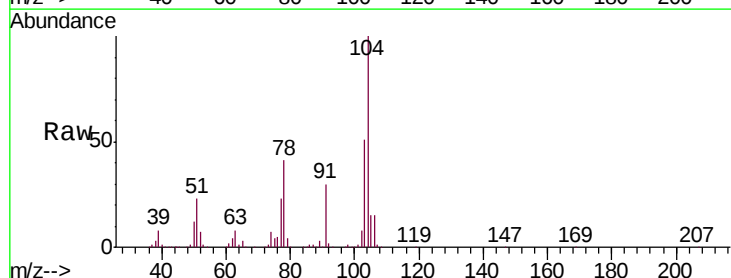
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

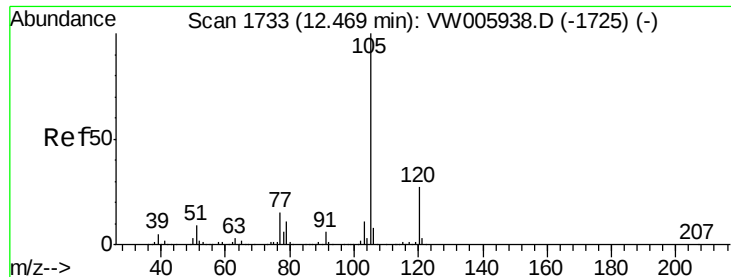
Tgt Ion:106 Resp: 212058
Ion Ratio Lower Upper
106 100
91 210.2 148.7 276.1



#56
Styrene
Concen: 26.204 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006292.D
Acq: 23 Oct 2018 12:49

Tgt Ion:104 Resp: 366008
Ion Ratio Lower Upper
104 100
78 40.9 31.2 58.0





#57

Isopropylbenzene

Concen: 26.462 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

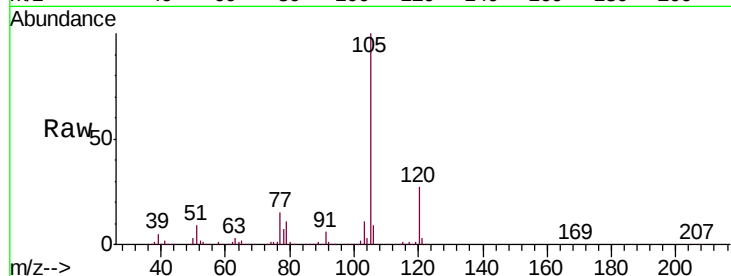
Tgt Ion: 105 Resp: 597210

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.6

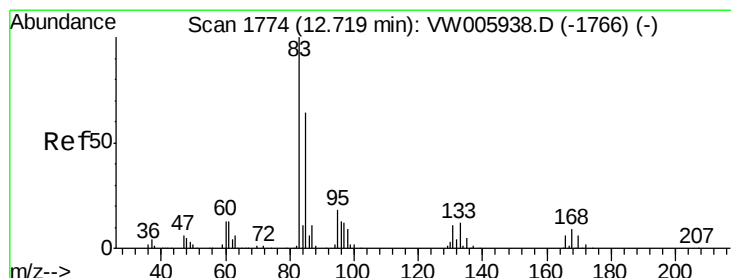
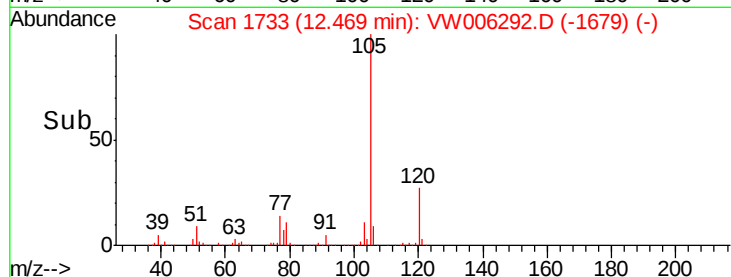
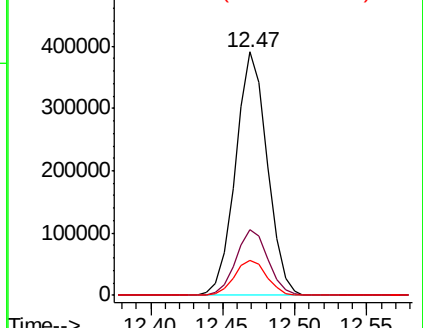
77 14.9 12.2 18.2



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: 28.303 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

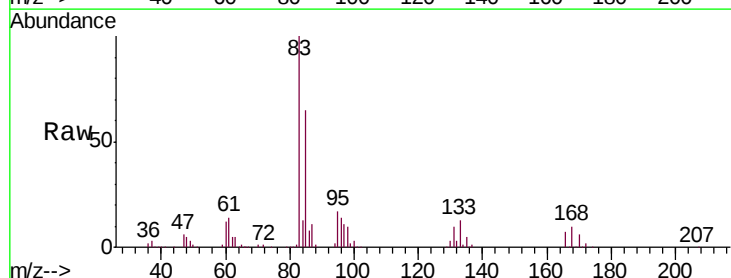
Tgt Ion: 83 Resp: 125965

Ion Ratio Lower Upper

83 100

85 64.5 44.8 83.2

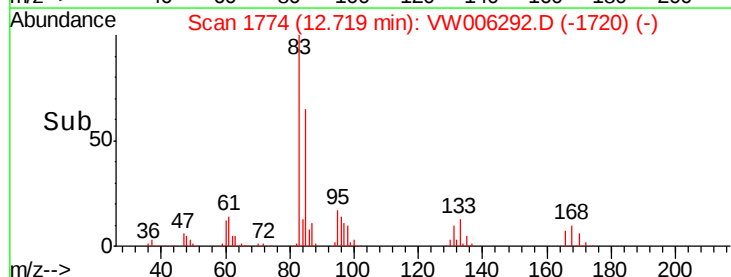
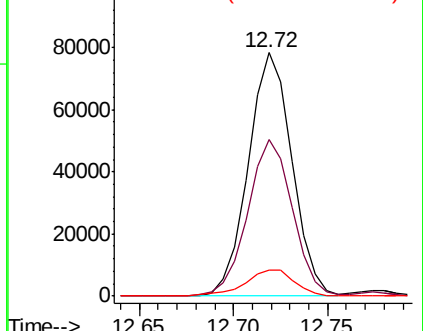
131 10.5 9.0 13.4

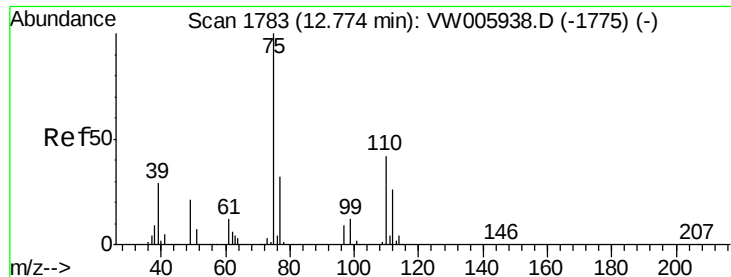


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.776 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

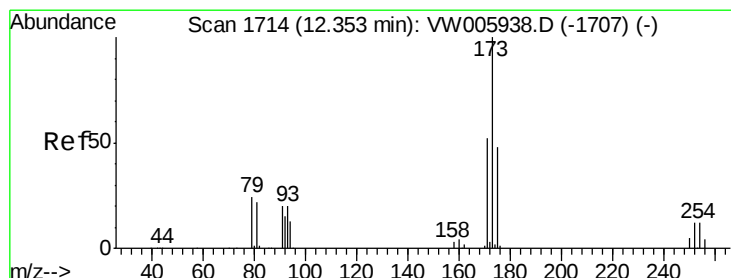
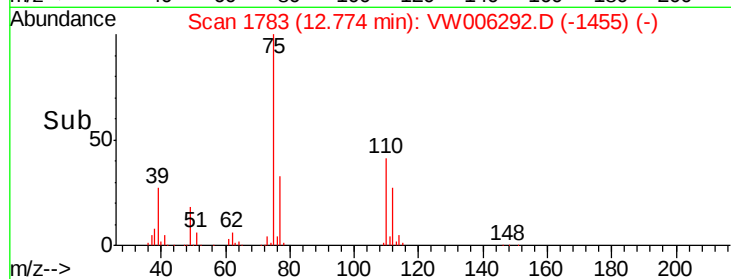
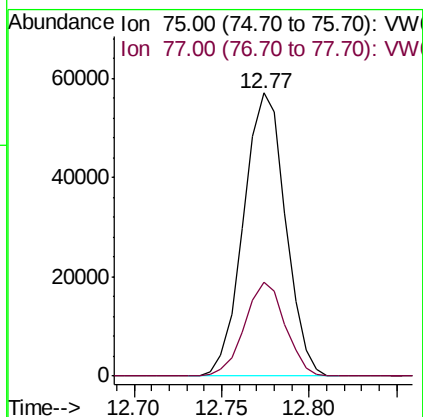
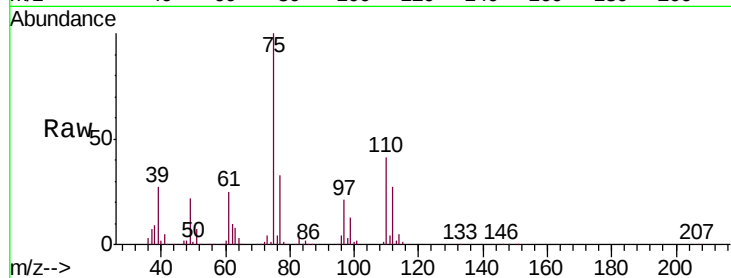
VSTD02502

Tgt Ion: 75 Resp: 95555

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#62

Bromoform

Concen: 24.981 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

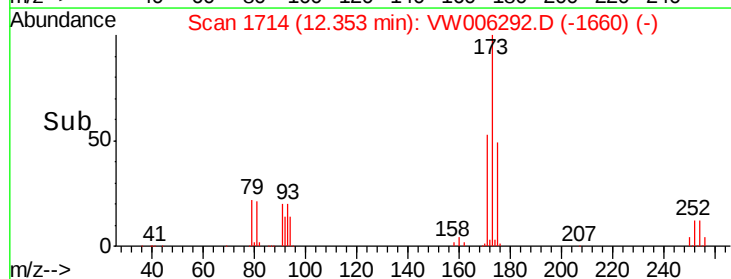
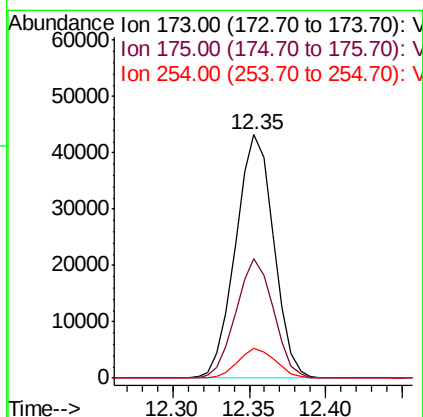
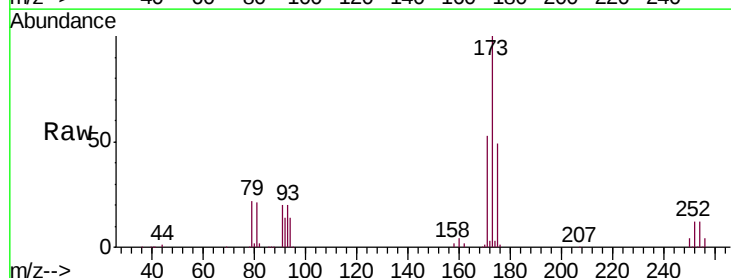
Tgt Ion: 173 Resp: 74898

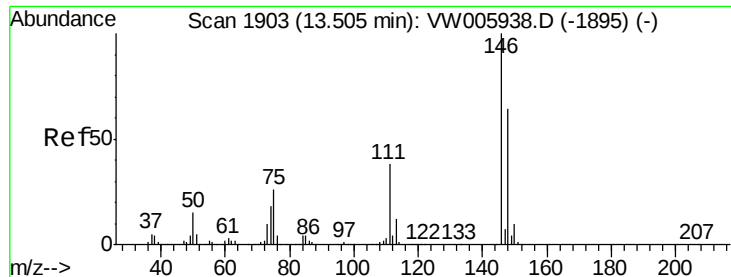
Ion Ratio Lower Upper

173 100

175 48.3 39.1 58.7

254 12.1 9.2 13.8

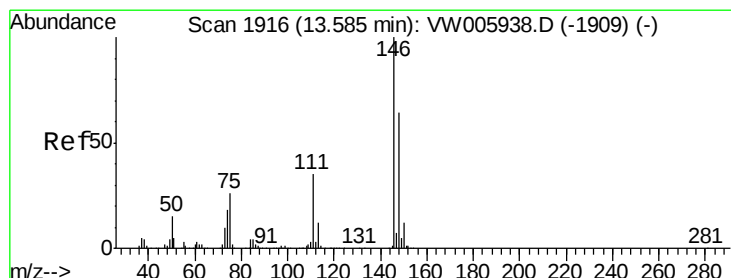
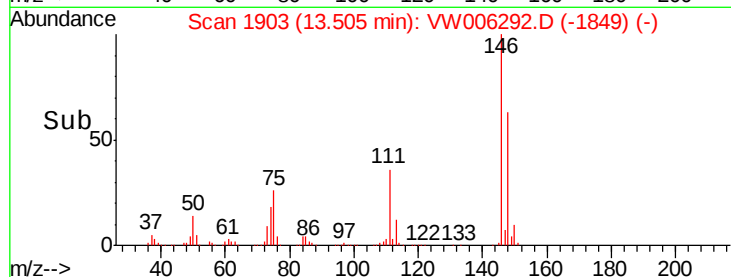
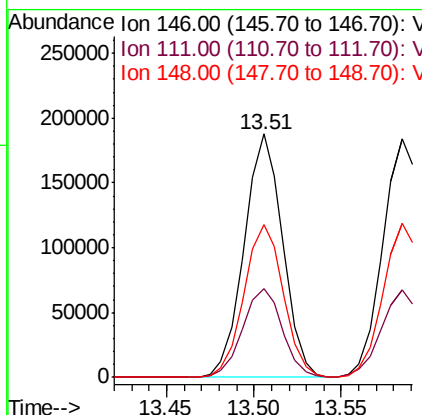
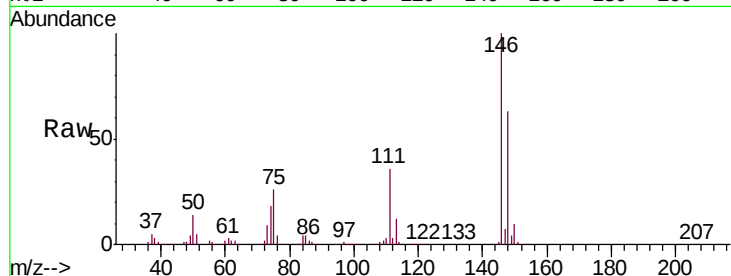




#63
 1,3-Dichlorobenzene
 Concen: 26.353 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

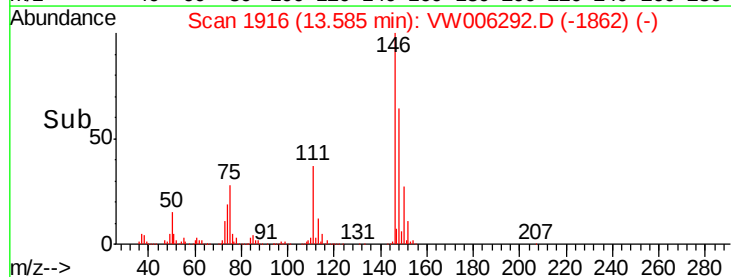
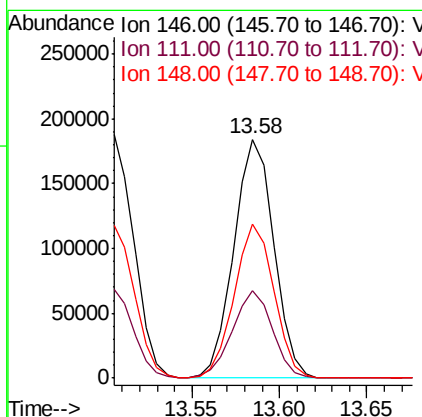
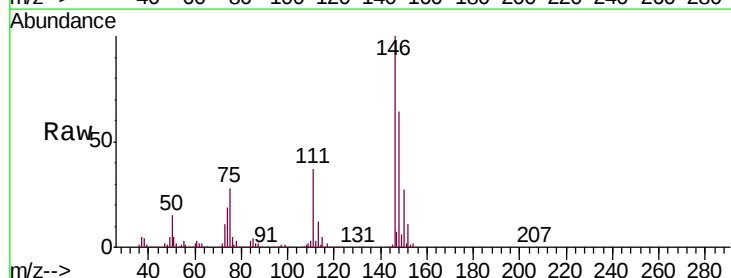
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

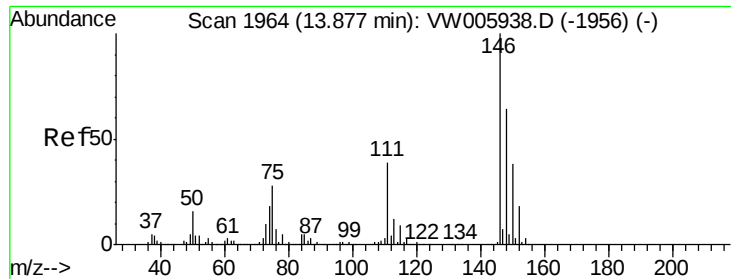
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	26.3	48.9
148	62.7	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 26.599 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	24.7	45.9
148	64.4	44.9	83.5

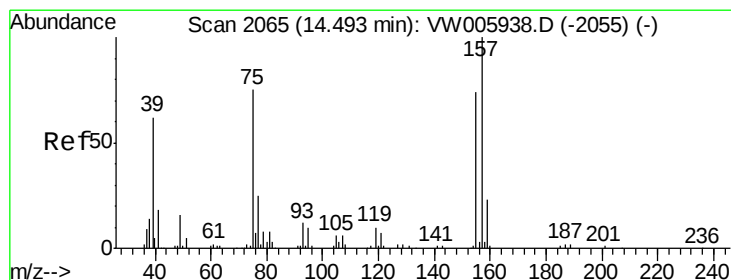
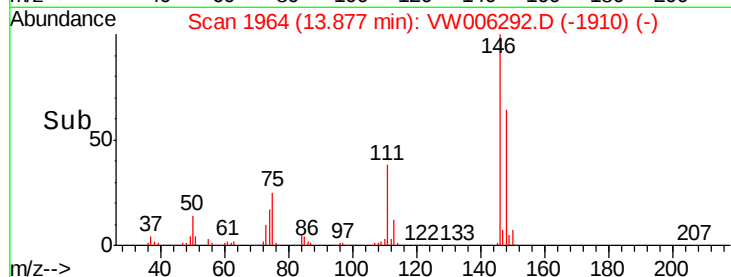
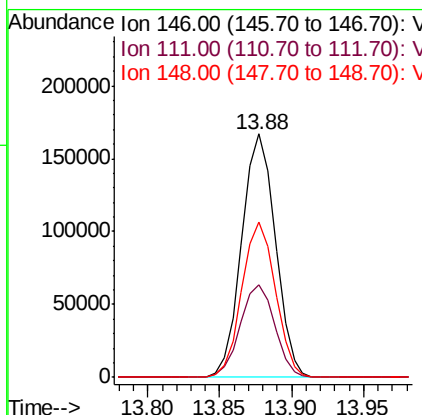
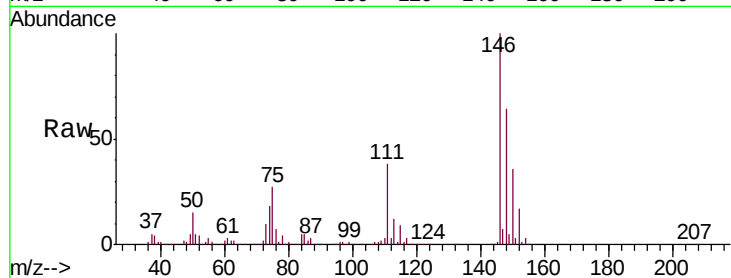




#65
 1,2-Dichlorobenzene
 Concen: 26.843 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

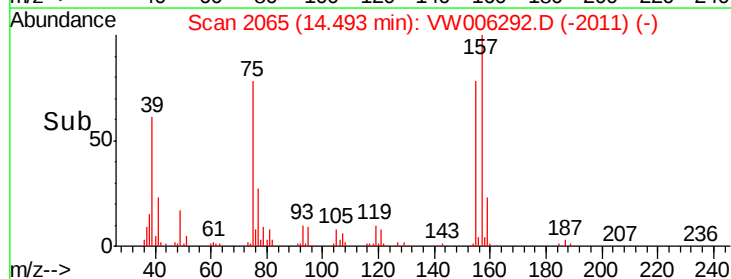
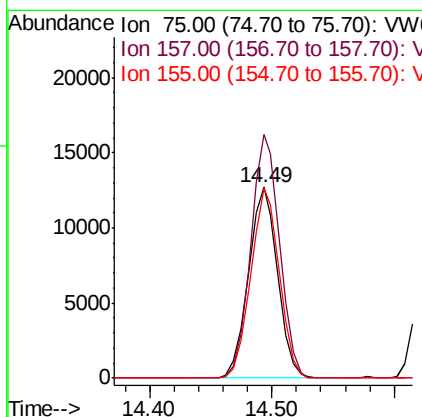
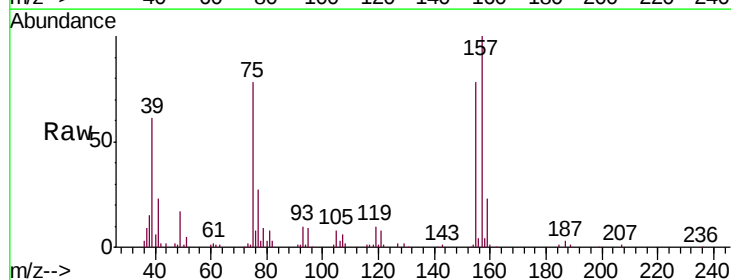
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

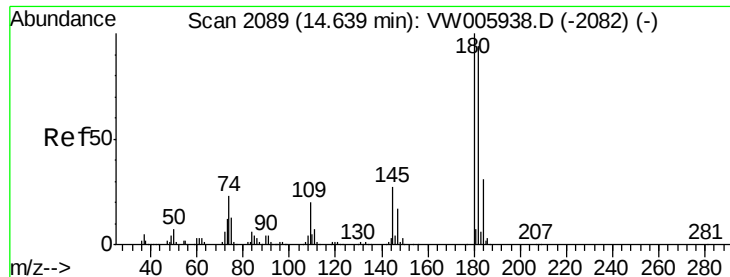
Tgt Ion: 146 Resp: 271356
 Ion Ratio Lower Upper
 146 100
 111 38.0 31.1 46.7
 148 63.6 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.718 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

Tgt Ion: 75 Resp: 20926
 Ion Ratio Lower Upper
 75 100
 157 127.7 106.8 160.2
 155 99.3 79.2 118.8

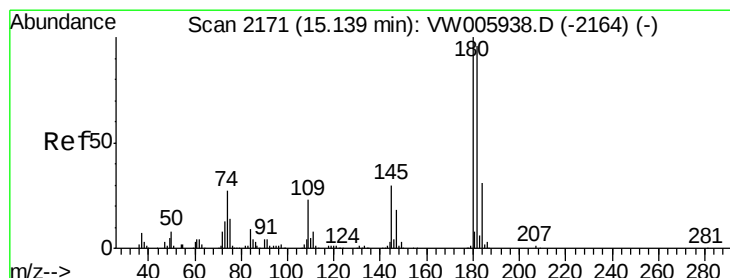
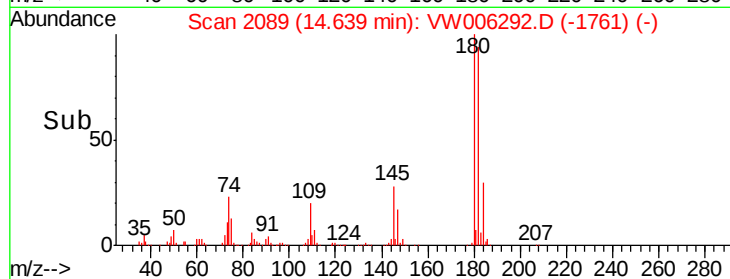
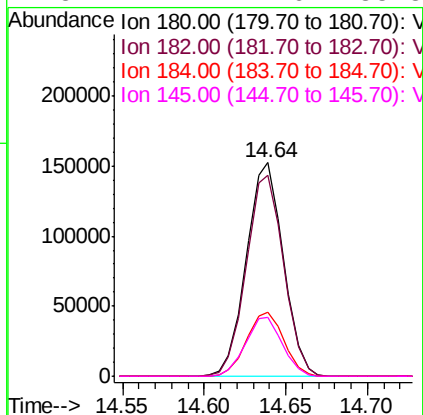
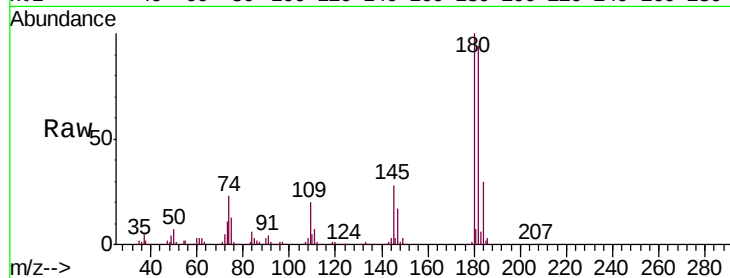




#67
 1,3,5-Trichlorobenzene
 Concen: 27.071 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

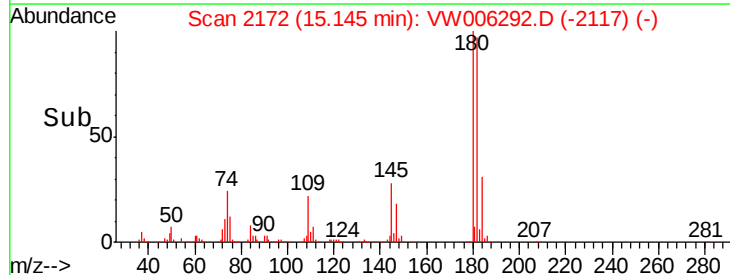
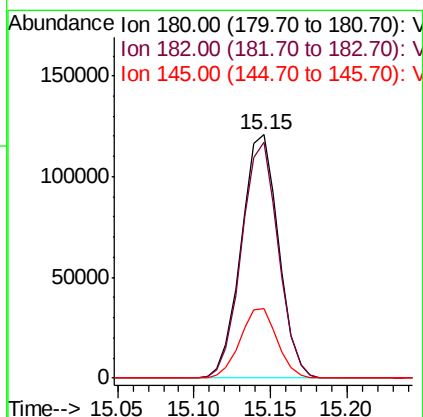
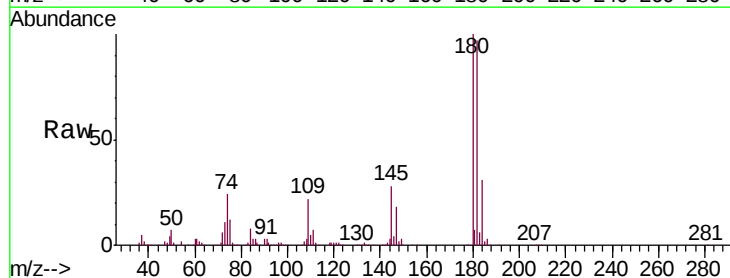
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

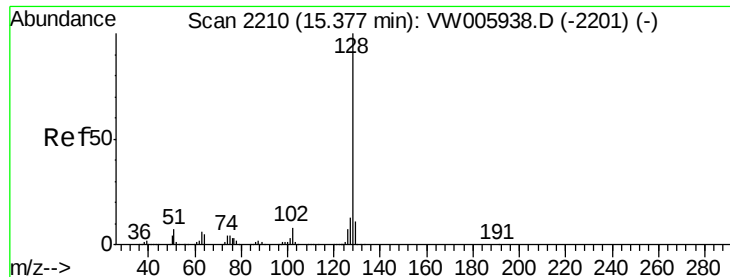
Tgt Ion:	180	Resp:	239785
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
184	30.5	24.3	36.5
145	27.7	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 27.124 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW006292.D
 Acq: 23 Oct 2018 12:49

Tgt Ion:	180	Resp:	204867
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
145	28.4	23.0	34.6





#69

Naphthalene

Concen: 27.681 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

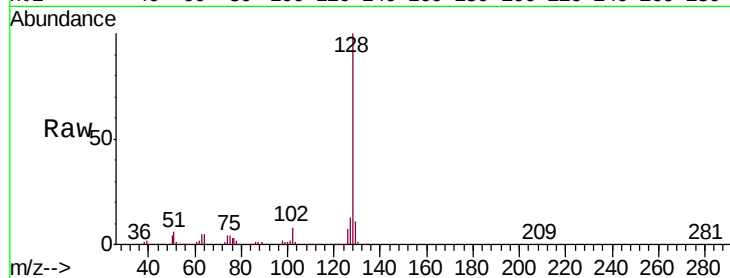
Tgt Ion:128 Resp: 423303

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

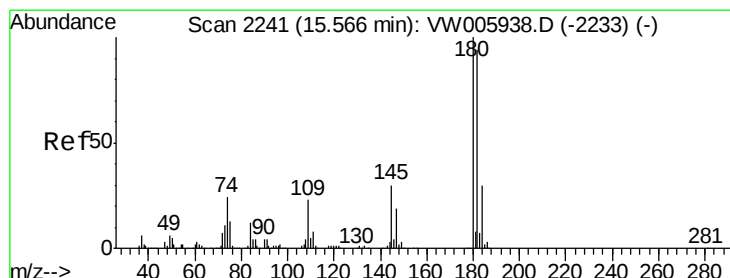
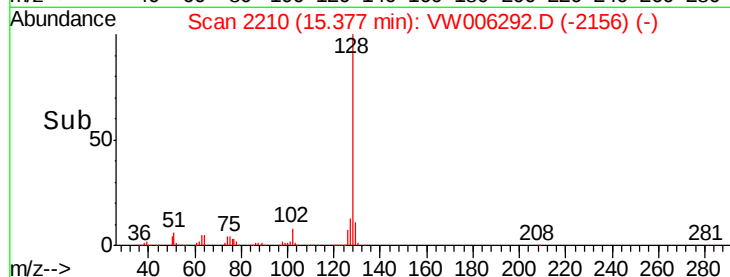
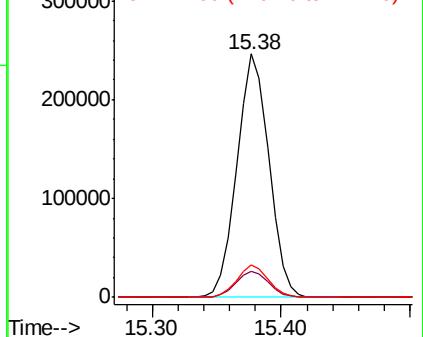
127 13.0 10.5 15.7



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: 27.627 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006292.D

Acq: 23 Oct 2018 12:49

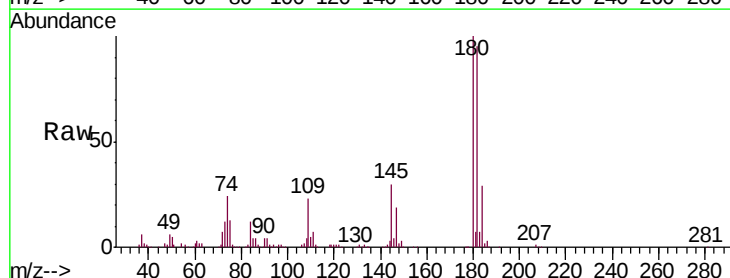
Tgt Ion:180 Resp: 187461

Ion Ratio Lower Upper

180 100

182 95.5 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

