

Data File : VW009316.D
Acq On : 21 Mar 2019 05:27
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 4.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

Quant Time: Mar 21 12:25:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 21 12:20:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	402751	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	391654	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	205558	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	114945	23.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.52%
7) Chloroethane-d5	2.89	69	120158	21.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.36%
10) 1,1-Dichloroethene-d2	4.02	63	244998	23.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.20%
20) 2-Butanone-d5	7.07	46	97939	49.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.42%
24) Chloroform-d	7.65	84	288618	26.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.04%
26) 1,2-Dichloroethane-d4	8.30	65	174348	26.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.32%
29) Benzene-d6	8.27	84	536635	24.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.36%
33) 1,2-Dichloropropane-d6	9.27	67	167274	25.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.12%
37) Toluene-d8	10.32	98	493312	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.80%
38) trans-1,3-Dichloropropene-	10.57	79	77445	23.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.08%
39) 2-Hexanone-d5	10.93	63	77165	49.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	170463	26.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	195284	24.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	112776	21.256	ug/L 99
3) Chloromethane	2.21	50	125624	22.317	ug/L 97
5) Vinyl chloride	2.37	62	153294	26.458	ug/L 98
6) Bromomethane	2.78	94	114941	23.679	ug/L 97
8) Chloroethane	2.93	64	109126	22.765	ug/L 96
9) Trichlorofluoromethane	3.26	101	82809	18.094	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	124835	23.619	ug/L 97
12) 1,1-Dichloroethene	4.03	96	124024	25.007	ug/L 96
13) Acetone	4.12	43	60659	37.163	ug/L 95
14) Carbon disulfide	4.38	76	354679	26.572	ug/L 99
15) Methyl Acetate	4.67	43	83612	26.075	ug/L 100
16) Methylene chloride	4.92	84	146375	24.922	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	183786	26.190	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	131896	25.295	ug/L 99
19) 1,1-Dichloroethane	6.21	63	250664	26.365	ug/L 99
21) 2-Butanone	7.17	43	103588	45.963	ug/L 98
22) cis-1,2-Dichloroethene	7.16	96	150447	26.634	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72597	26.796	ug/L	97
25) Chloroform	7.67	83	271461	27.264	ug/L	99
27) 1,2-Dichloroethane	8.40	62	205364	27.664	ug/L	99
30) Cyclohexane	7.95	56	199817	22.464	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	199590	25.516	ug/L	98
32) Carbon tetrachloride	8.06	117	197844	25.068	ug/L	100
34) Benzene	8.32	78	567963	26.494	ug/L	100
35) Trichloroethene	9.09	95	144805	25.350	ug/L	99
36) Methylcyclohexane	9.34	83	228366	23.108	ug/L	99
40) 1,2-Dichloropropane	9.37	63	144734	26.311	ug/L	100
41) Bromodichloromethane	9.64	83	205615	26.977	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	223586	24.955	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	236383	47.422	ug/L	99
44) Toluene	10.38	91	610795	26.060	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	193922	24.881	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	114770	26.152	ug/L	96
47) Tetrachloroethene	10.86	164	115854	24.004	ug/L	97
49) 2-Hexanone	10.97	43	167732	47.777	ug/L	100
50) Dibromochloromethane	11.13	129	146298	27.005	ug/L	97
51) 1,2-Dibromoethane	11.23	107	115675	26.001	ug/L	99
52) Chlorobenzene	11.66	112	396891	26.402	ug/L	98
53) Ethylbenzene	11.73	91	684531	25.977	ug/L	98
54) m,p-Xylene	11.84	106	261139	26.085	ug/L	98
55) o-xylene	12.16	106	255495	26.160	ug/L	99
56) Styrene	12.18	104	455115	27.311	ug/L	99
57) Isopropylbenzene	12.46	105	673276	25.734	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	154881	26.160	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	114500	26.060	ug/L	100
62) Bromoform	12.35	173	91102	26.230	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	308818	25.208	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	319773	25.246	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	306544	26.238	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	26998	23.578	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	232150	24.295	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	196592	24.493	ug/L	99
69) Naphthalene	15.37	128	425662	25.579	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	192289	25.578	ug/L	99

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

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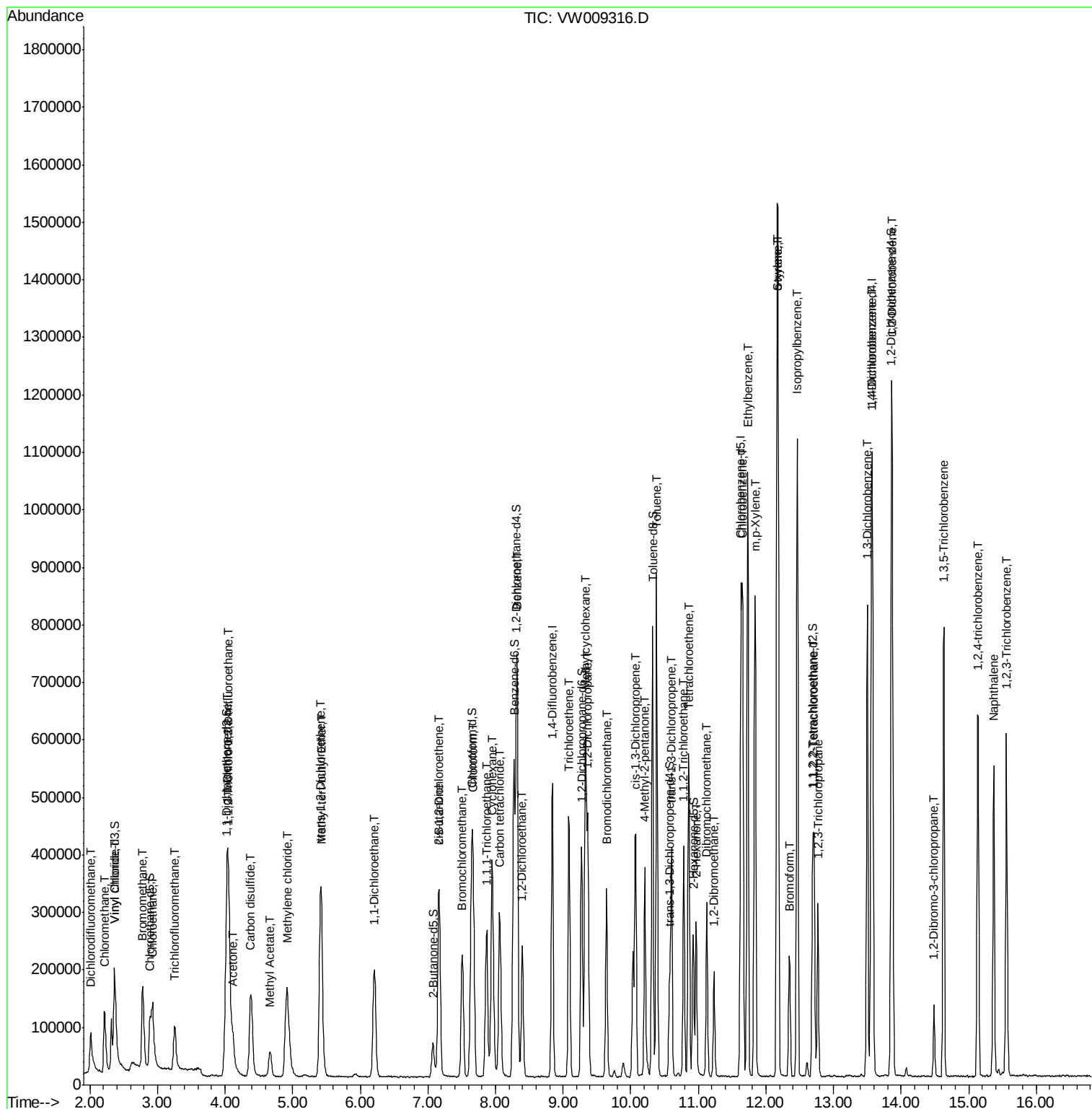
Quant Time: Mar 21 12:25:44 2019

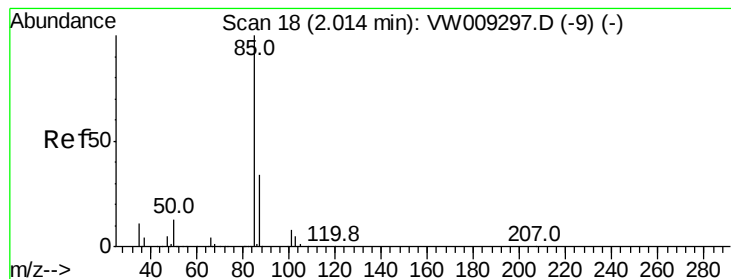
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 21.256 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

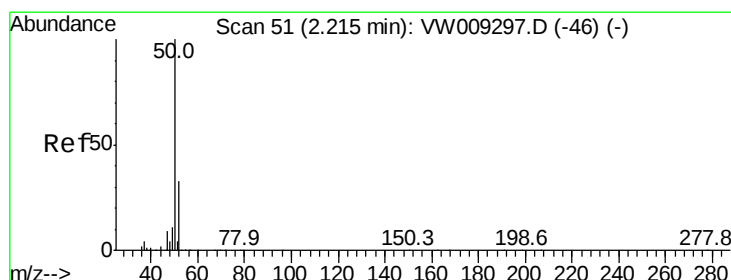
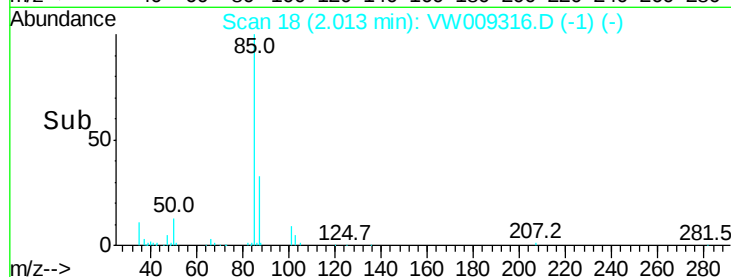
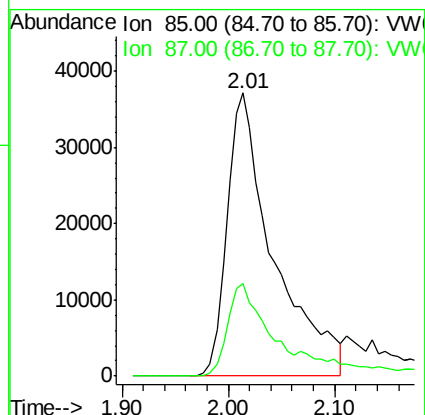
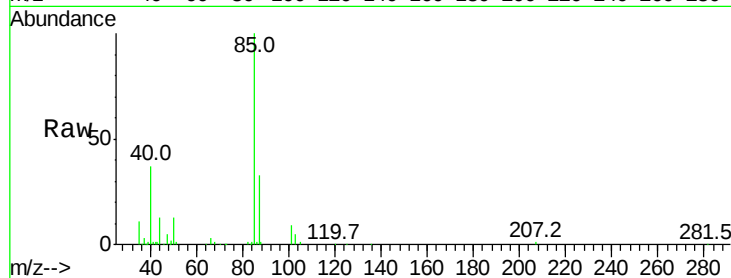
VSTD02516

Tgt Ion: 85 Resp: 112776

Ion Ratio Lower Upper

85 100

87 27.5 19.5 36.3



#3

Chloromethane

Concen: 22.317 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW009316.D

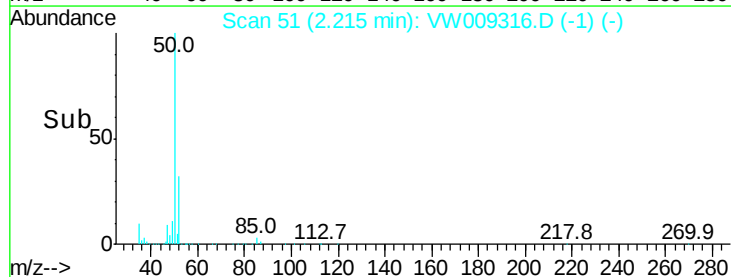
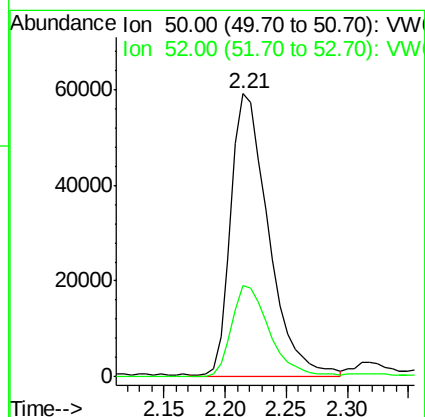
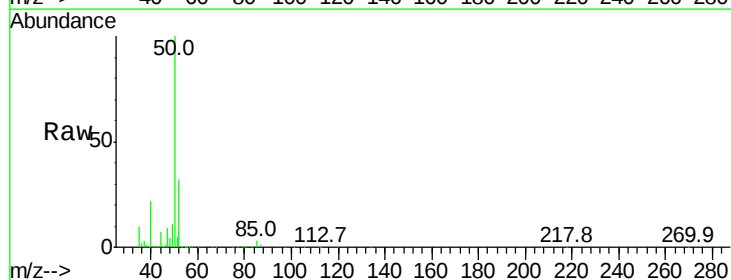
Acq: 21 Mar 2019 05:27

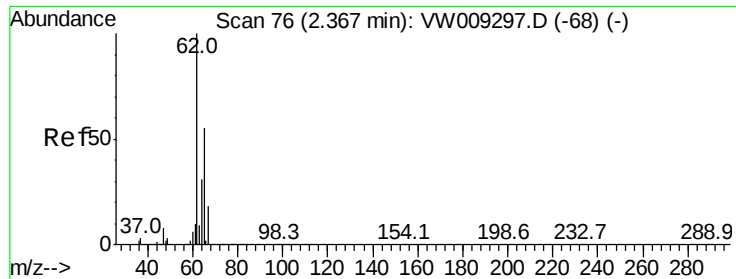
Tgt Ion: 50 Resp: 125624

Ion Ratio Lower Upper

50 100

52 32.3 21.6 40.2





#5

Vinyl chloride

Concen: 26.458 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

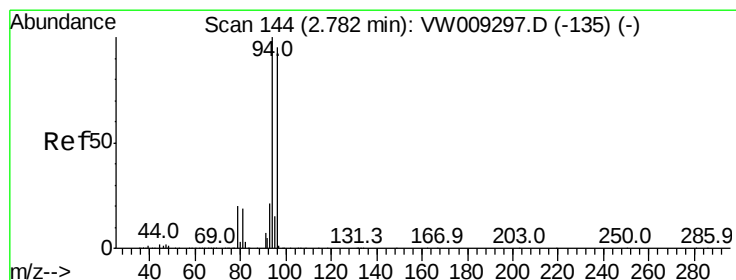
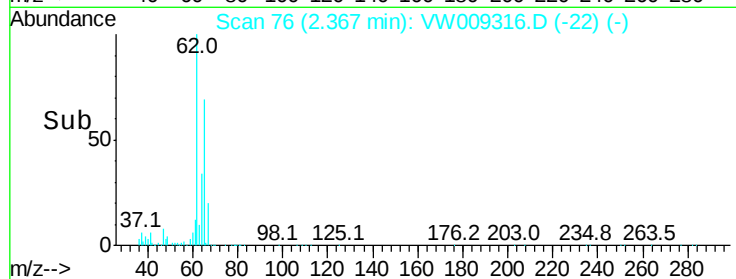
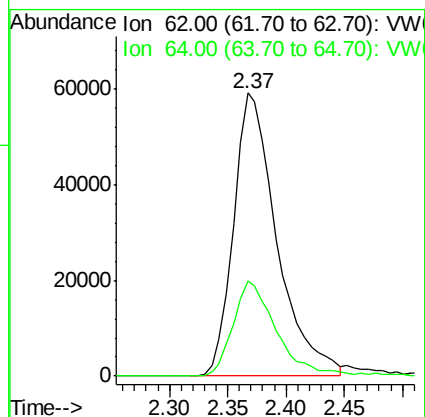
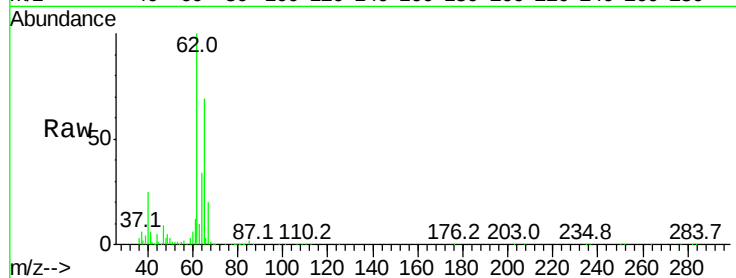
VSTD02516

Tgt Ion: 62 Resp: 153294

Ion Ratio Lower Upper

62 100

64 33.7 23.0 42.6



#6

Bromomethane

Concen: 23.679 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW009316.D

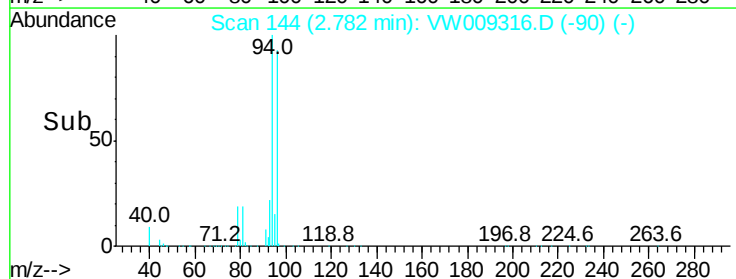
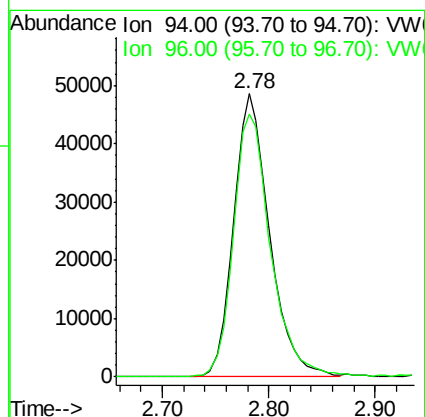
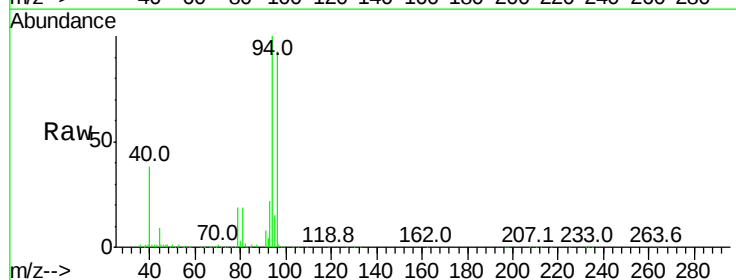
Acq: 21 Mar 2019 05:27

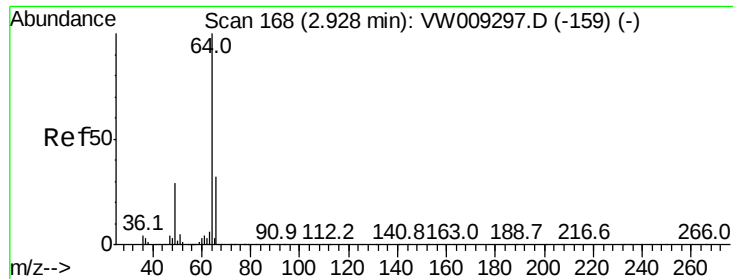
Tgt Ion: 94 Resp: 114941

Ion Ratio Lower Upper

94 100

96 96.6 9.4 178.4





#8

Chloroethane

Concen: 22.765 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

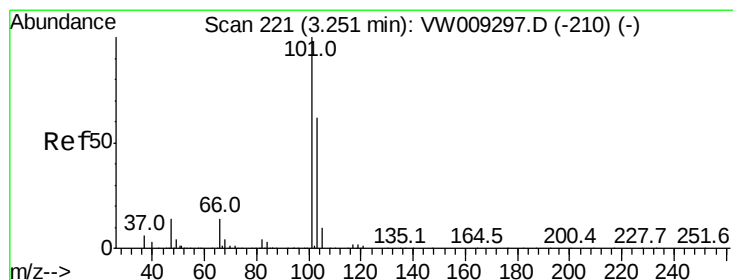
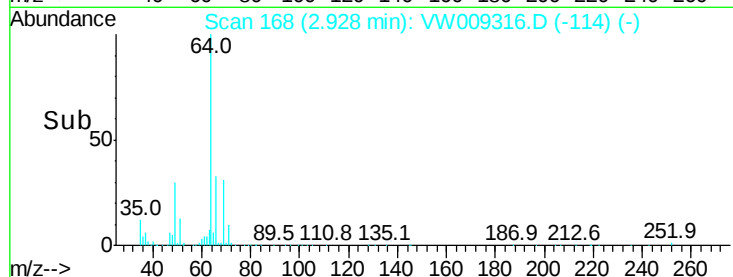
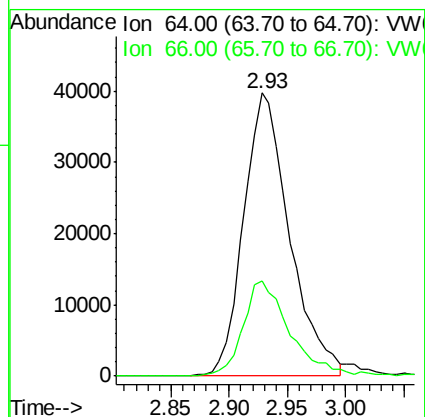
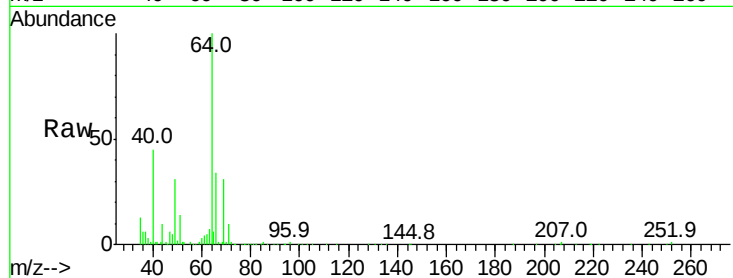
VSTD02516

Tgt Ion: 64 Resp: 109126

Ion Ratio Lower Upper

64 100

66 33.6 25.1 46.7



#9

Trichlorofluoromethane

Concen: 18.094 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW009316.D

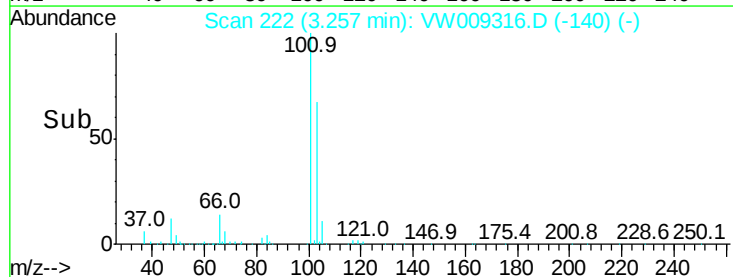
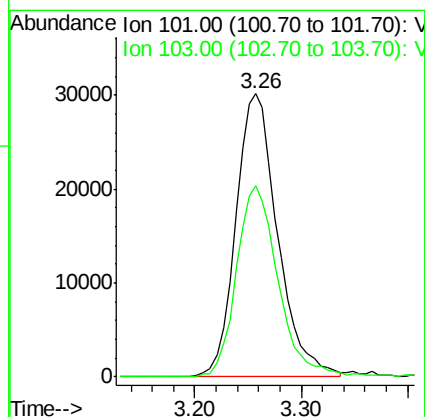
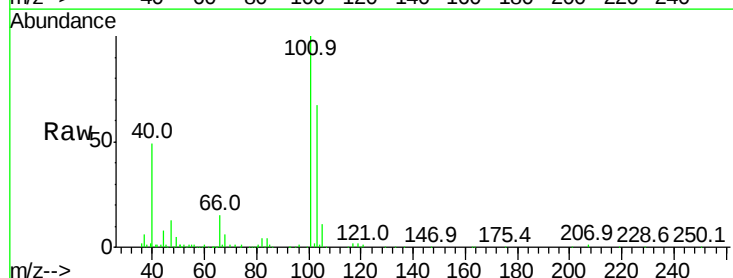
Acq: 21 Mar 2019 05:27

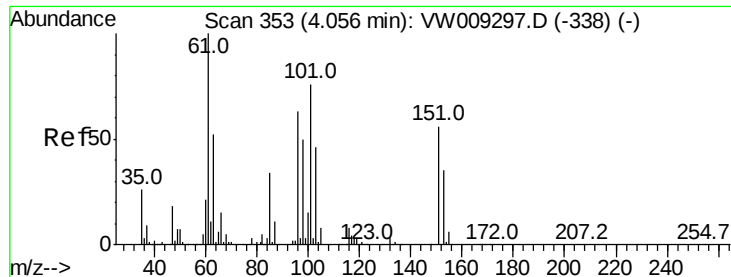
Tgt Ion: 101 Resp: 82809

Ion Ratio Lower Upper

101 100

103 67.1 45.0 83.6





#11

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

Concen: 23.619 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

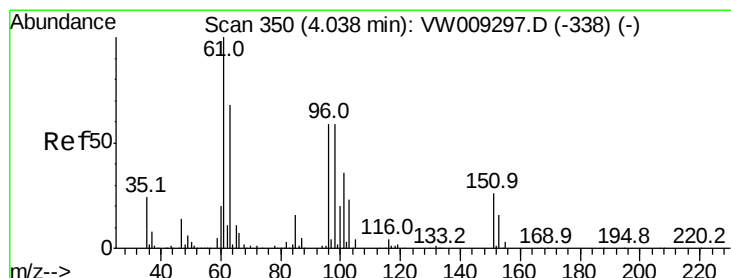
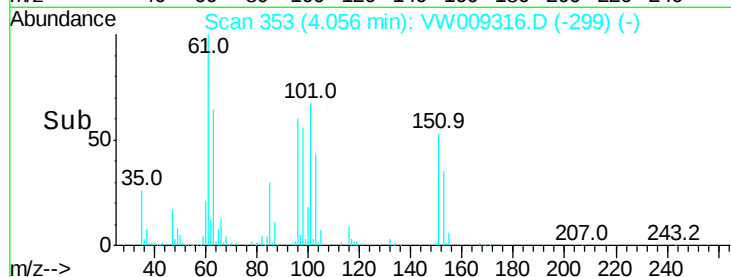
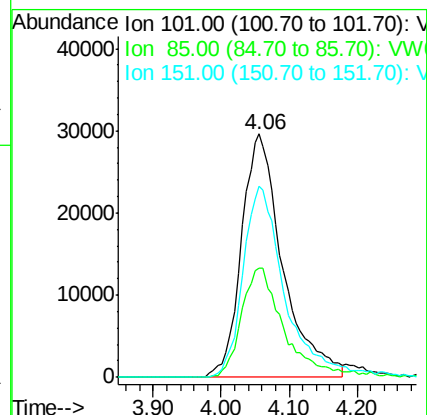
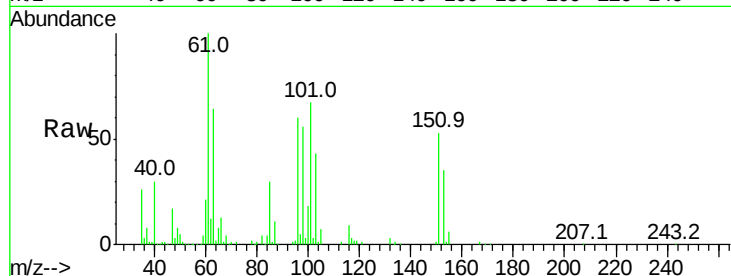
Tgt Ion: 101 Resp: 124835

Ion Ratio Lower Upper

101 100

85 45.6 32.6 48.8

151 78.4 63.3 94.9



#12

1,1-Dichloroethene

Concen: 25.007 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

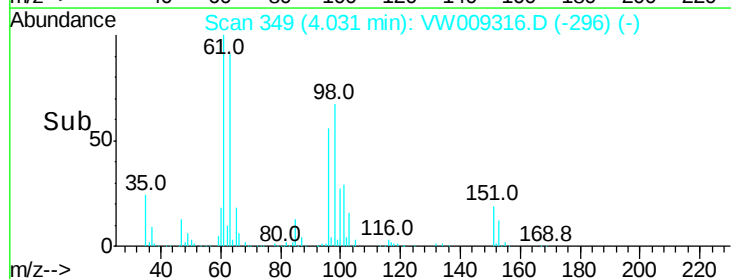
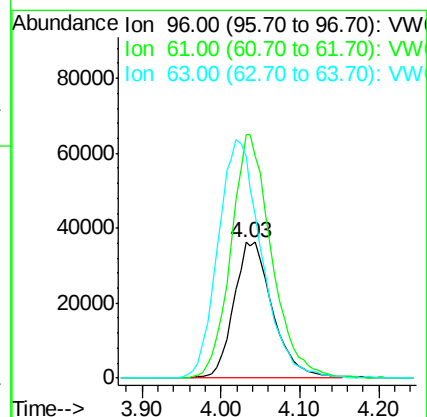
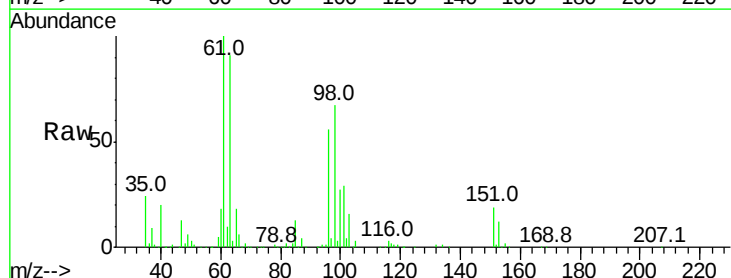
Tgt Ion: 96 Resp: 124024

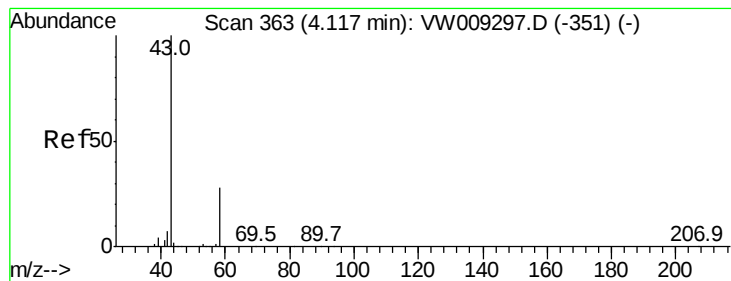
Ion Ratio Lower Upper

96 100

61 179.0 129.4 240.2

63 162.7 116.8 217.0





#13

Acetone

Concen: 37.163 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

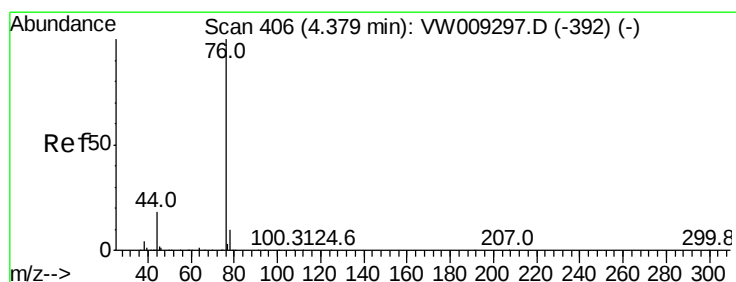
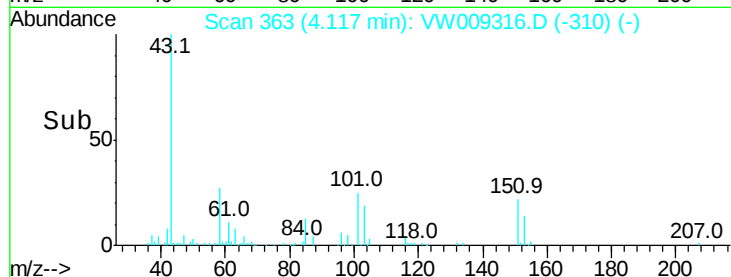
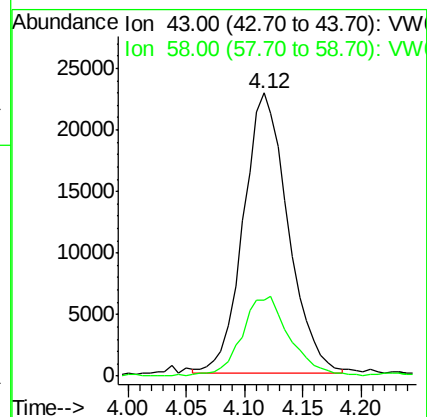
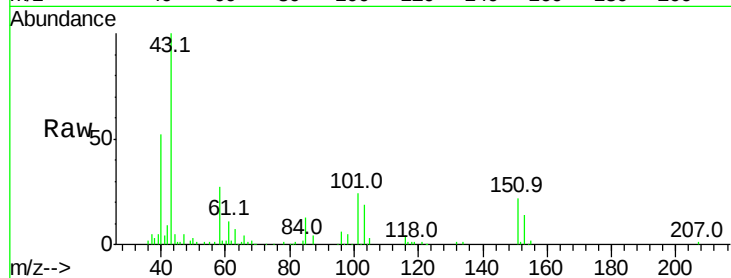
VSTD02516

Tgt Ion: 43 Resp: 60659

Ion Ratio Lower Upper

43 100

58 30.6 0.0 56.2



#14

Carbon disulfide

Concen: 26.572 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009316.D

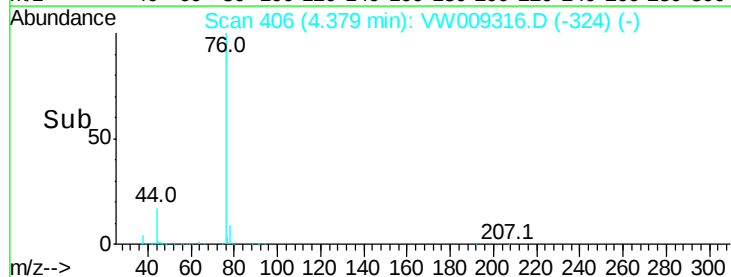
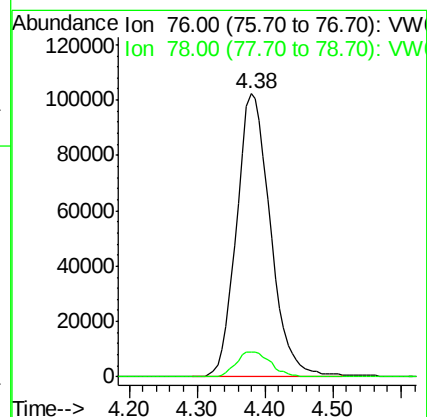
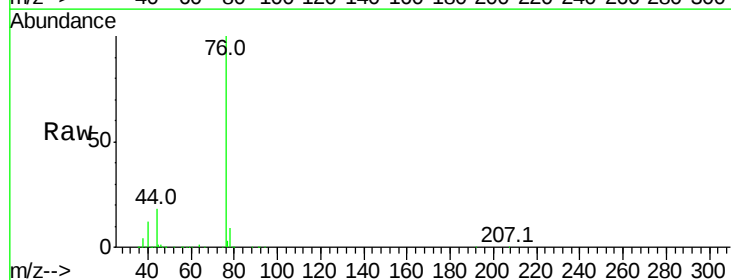
Acq: 21 Mar 2019 05:27

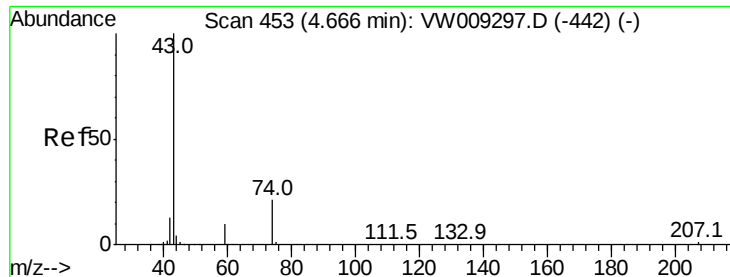
Tgt Ion: 76 Resp: 354679

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

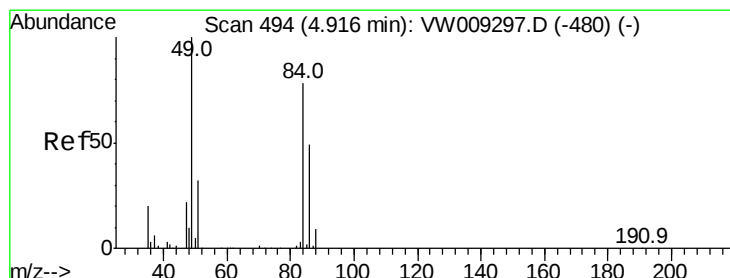
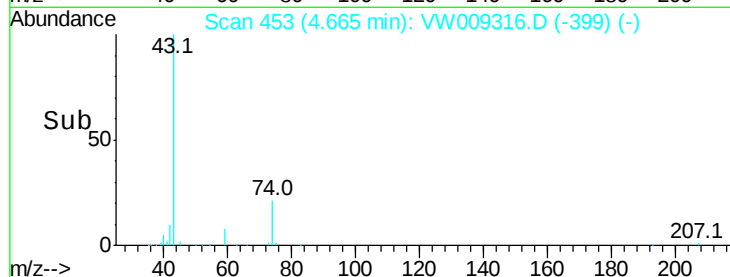
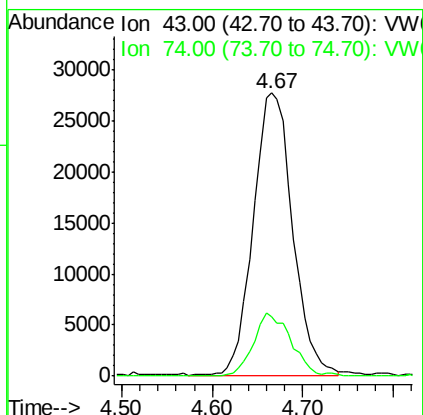
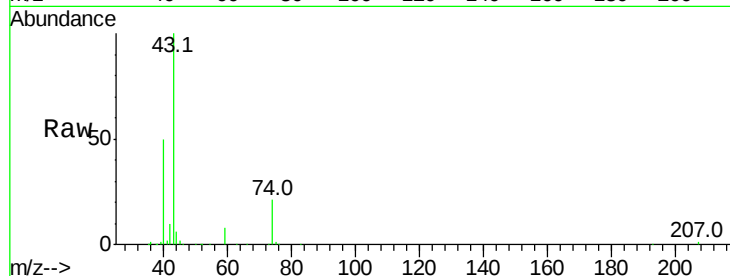




#15
Methyl Acetate
Concen: 26.075 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

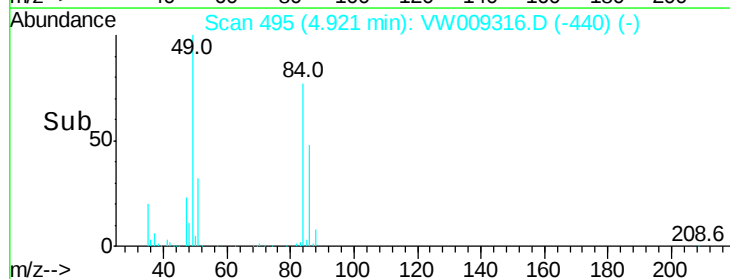
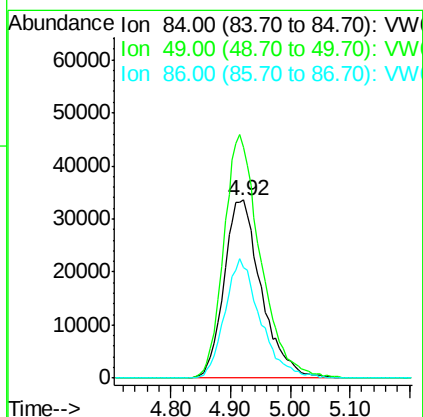
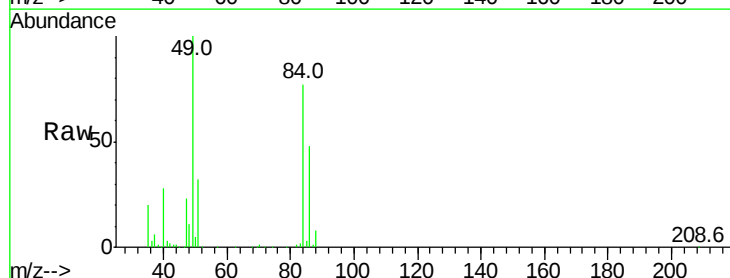
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

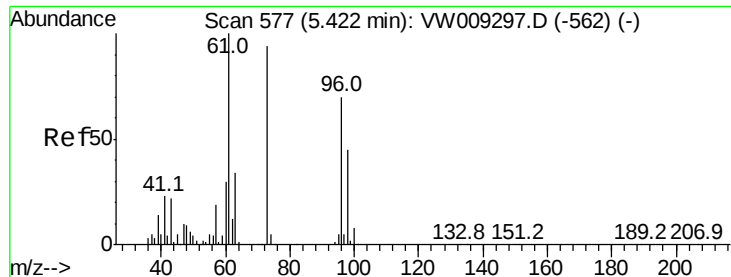
Tgt Ion: 43 Resp: 83612
Ion Ratio Lower Upper
43 100
74 21.1 16.7 25.1



#16
Methylene chloride
Concen: 24.922 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

Tgt Ion: 84 Resp: 146375
Ion Ratio Lower Upper
84 100
49 129.4 96.0 178.2
86 61.9 44.4 82.5

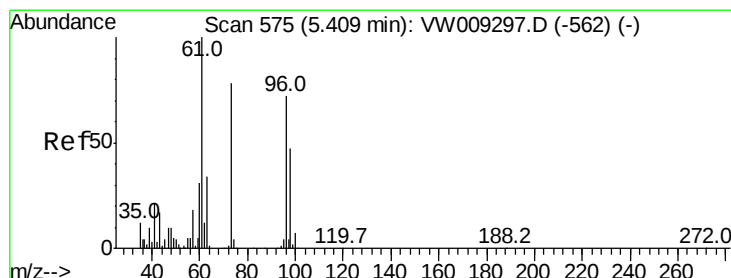
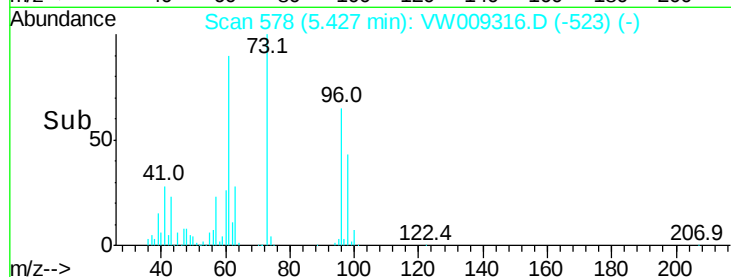
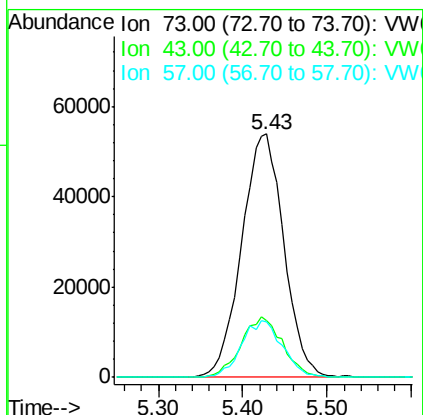
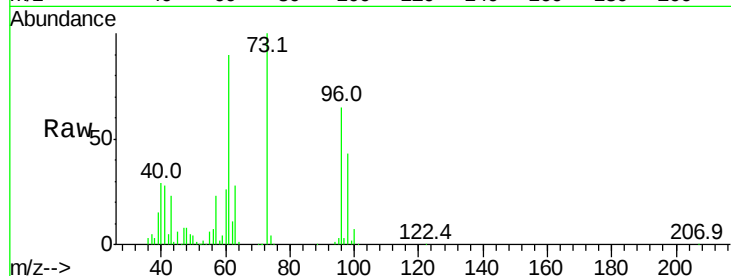




#17
Methyl tert-butyl Ether
Concen: 26.190 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

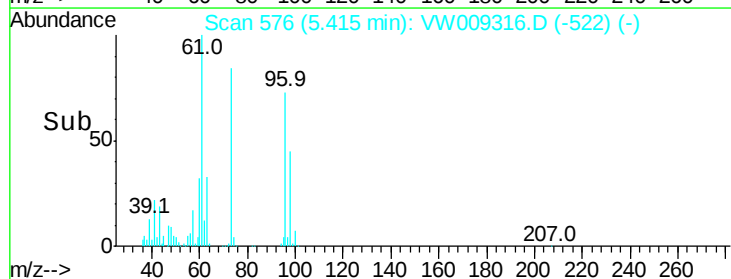
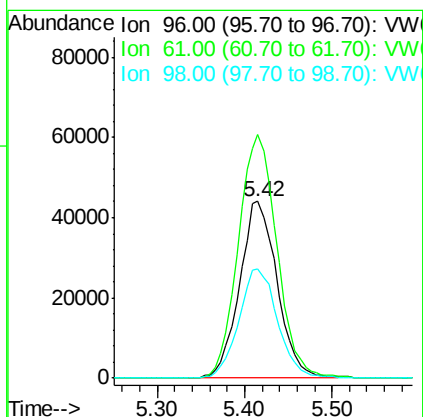
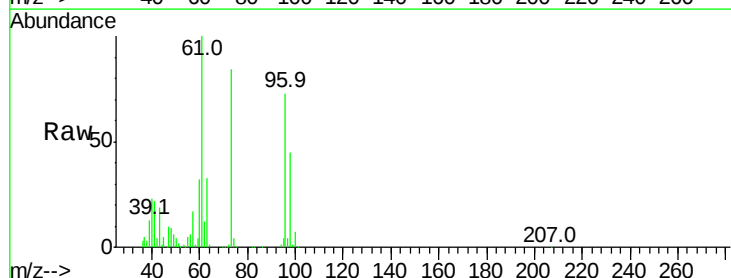
Instrument :
MSVOA_W
ClientSampled :
VSTD02516

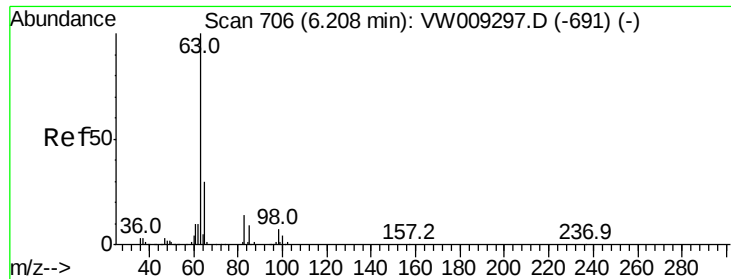
Tgt Ion: 73 Resp: 183786
Ion Ratio Lower Upper
73 100
43 24.3 18.2 27.4
57 22.7 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 25.295 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

Tgt Ion: 96 Resp: 131896
Ion Ratio Lower Upper
96 100
61 137.6 96.7 179.5
98 61.8 43.8 81.4

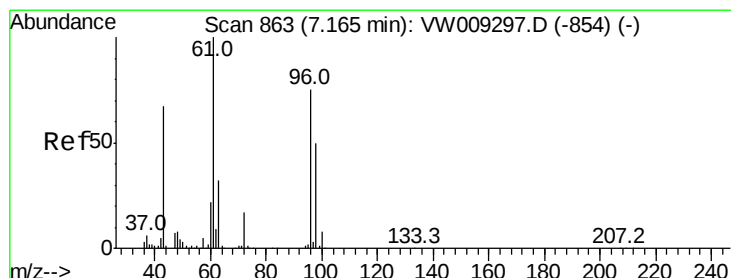
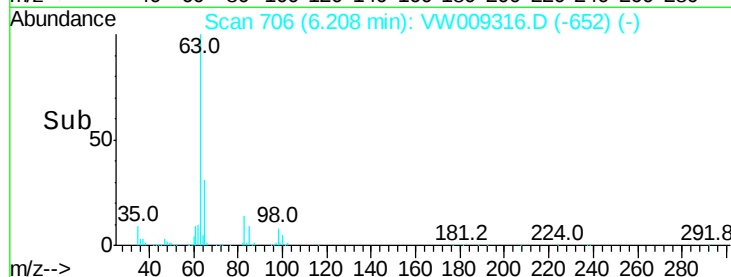
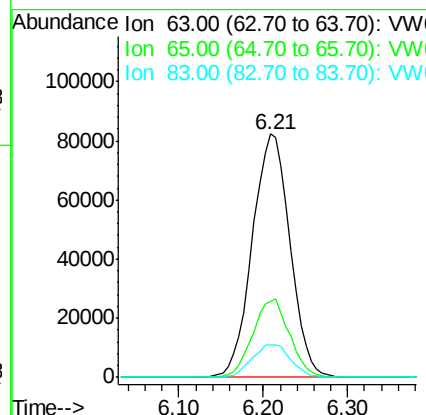
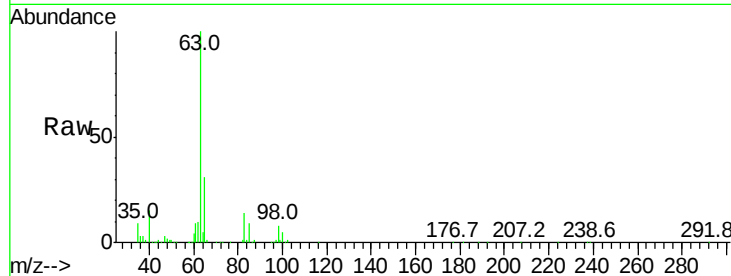




#19
 1,1-Dichloroethane
 Concen: 26.365 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

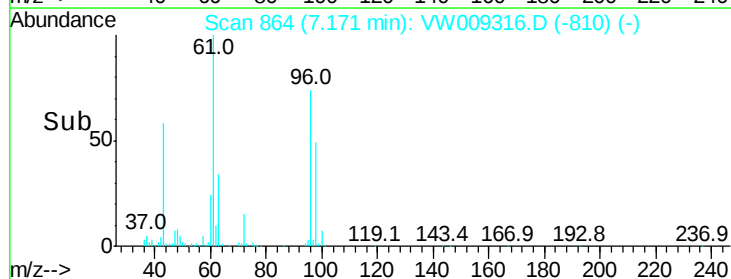
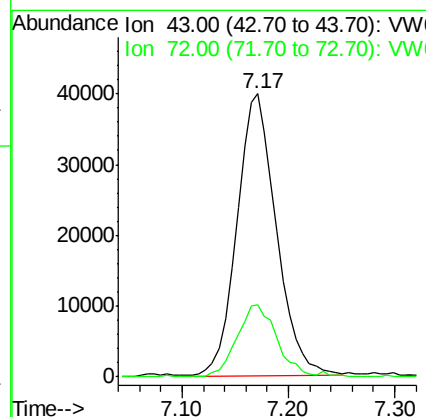
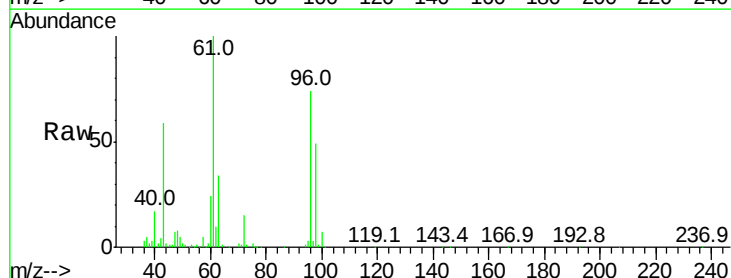
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

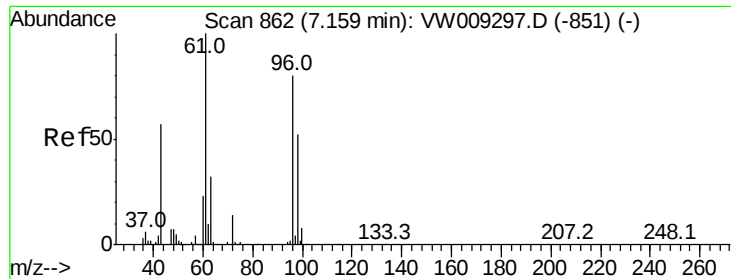
Tgt Ion: 63 Resp: 250664
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.6 40.0
 83 13.5 10.1 18.7



#21
 2-Butanone
 Concen: 45.963 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

Tgt Ion: 43 Resp: 103588
 Ion Ratio Lower Upper
 43 100
 72 25.3 13.1 39.1



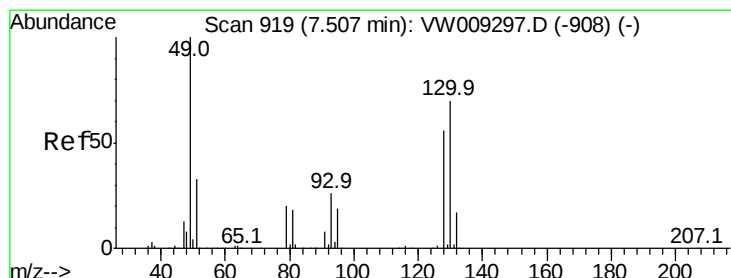
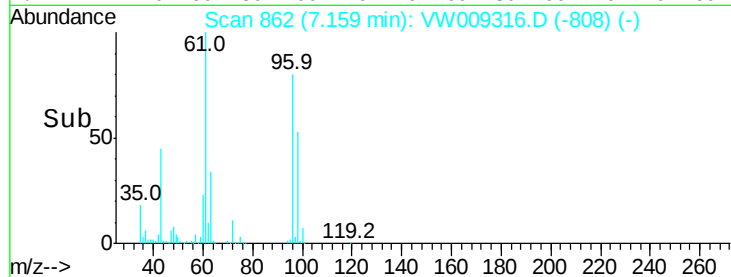
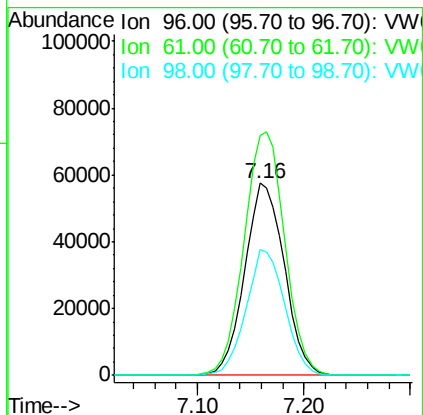
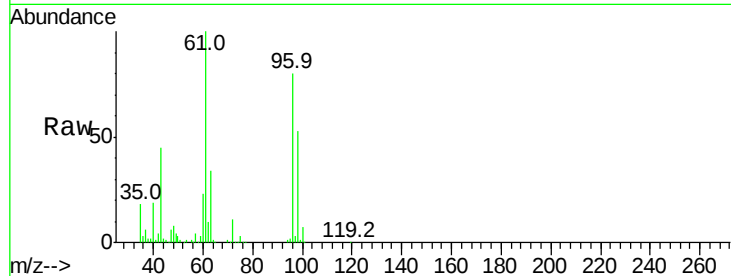


#22

cis-1,2-Dichloroethene
Concen: 26.634 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

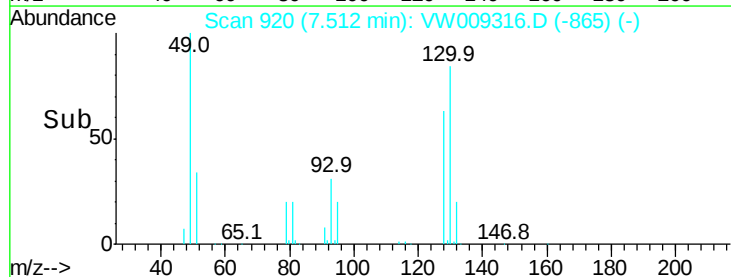
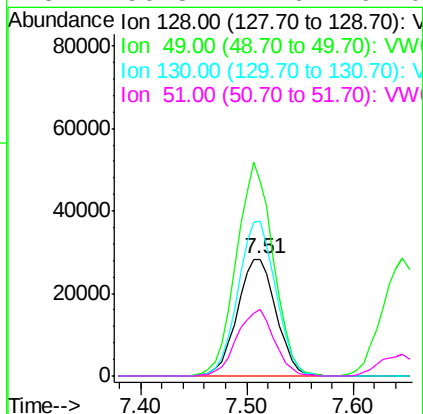
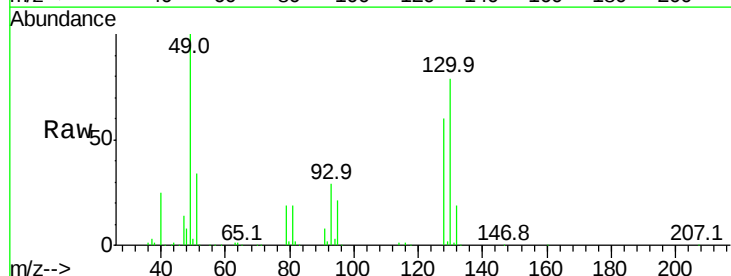
Tgt Ion: 96 Resp: 150447
Ion Ratio Lower Upper
96 100
61 125.1 90.6 168.3
98 65.8 44.0 81.8

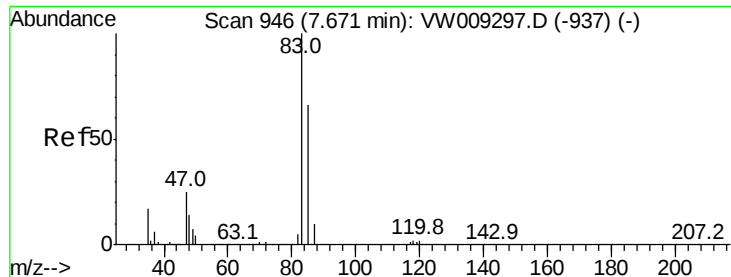


#23

Bromochloromethane
Concen: 26.796 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

Tgt Ion:128 Resp: 72597
Ion Ratio Lower Upper
128 100
49 167.3 118.4 219.8
130 132.8 87.8 163.2
51 56.8 44.6 67.0

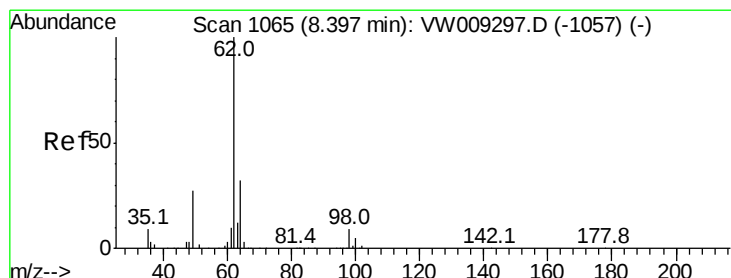
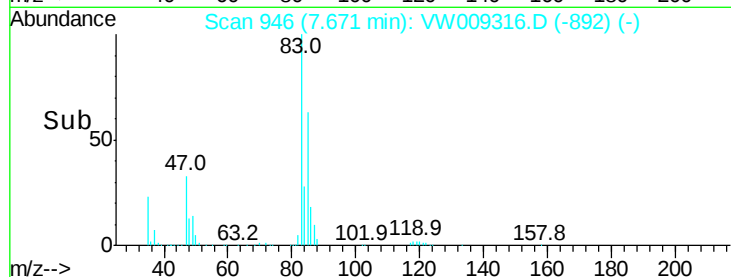
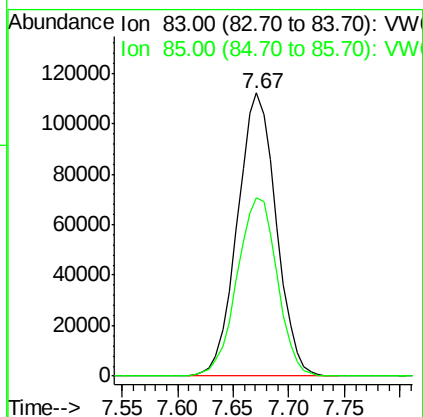
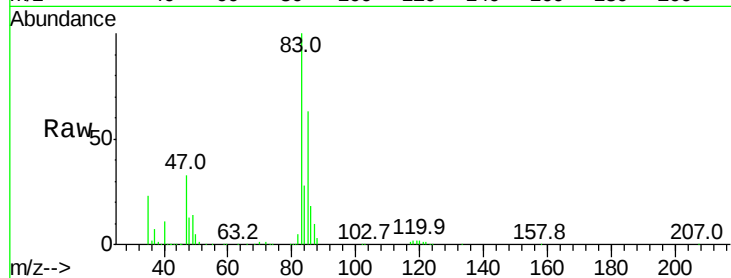




#25
Chloroform
Concen: 27.264 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

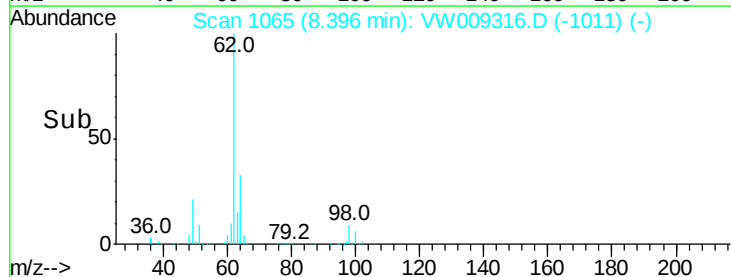
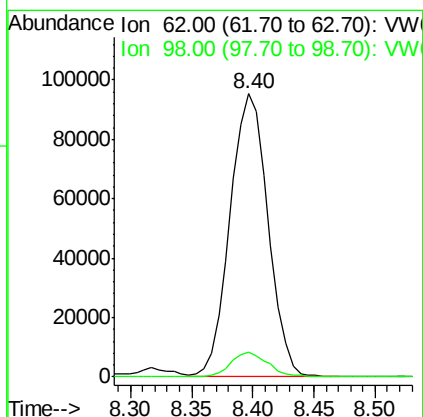
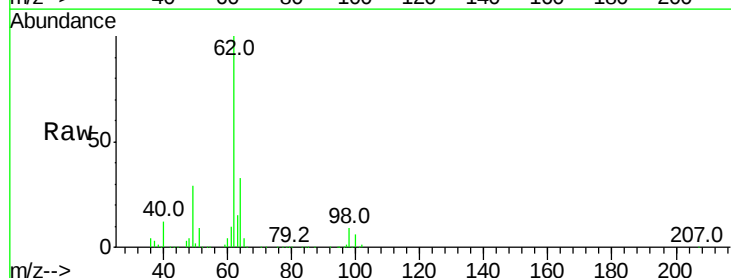
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

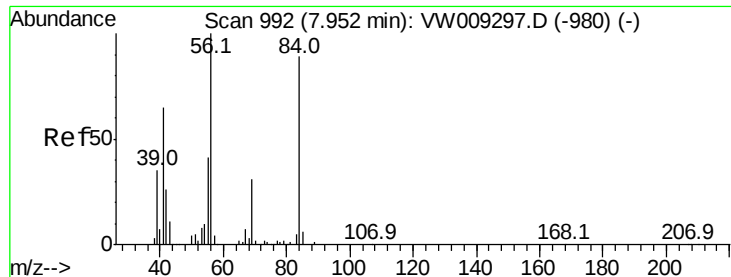
Tgt Ion: 83 Resp: 271461
Ion Ratio Lower Upper
83 100
85 65.2 46.0 85.4



#27
1,2-Dichloroethane
Concen: 27.664 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

Tgt Ion: 62 Resp: 205364
Ion Ratio Lower Upper
62 100
98 8.7 7.3 10.9

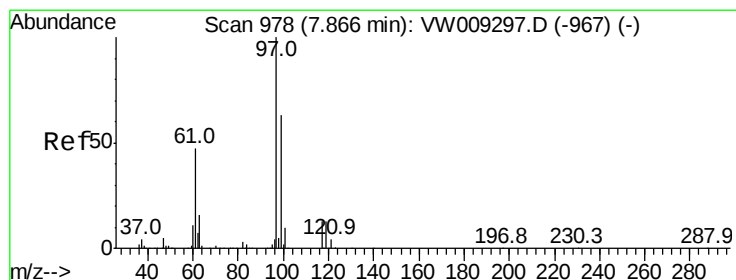
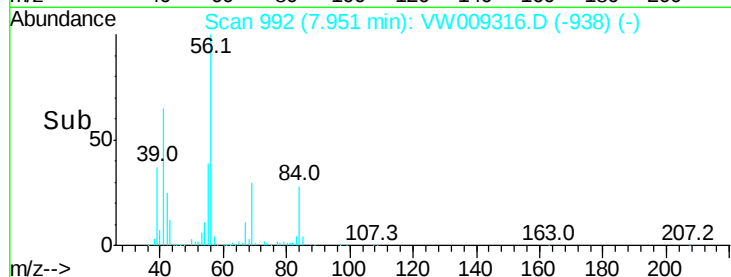
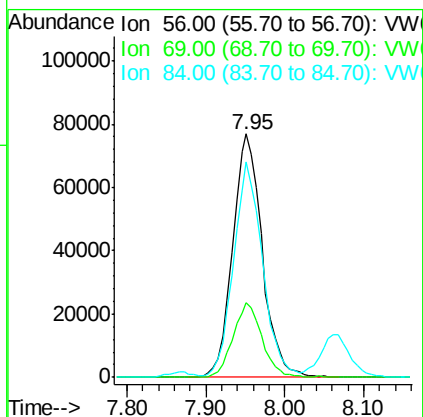
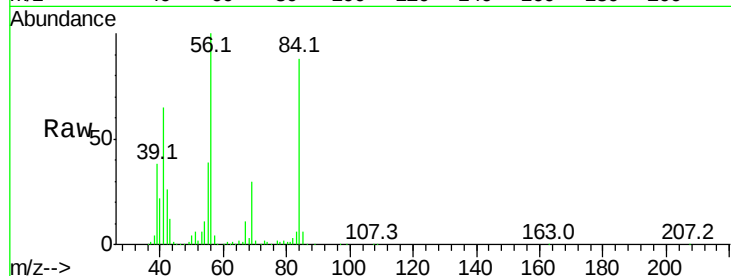




#30
Cyclohexane
Concen: 22.464 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

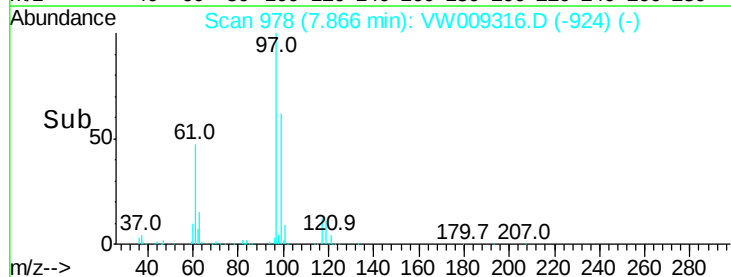
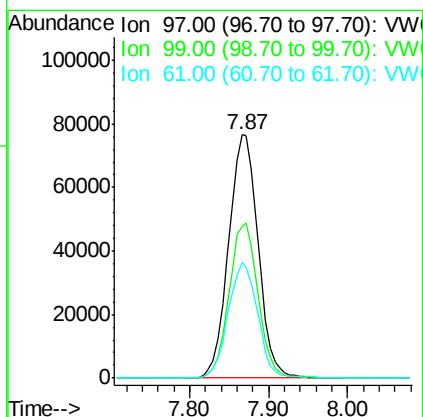
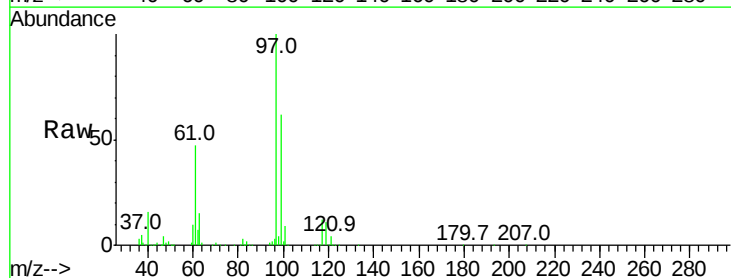
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

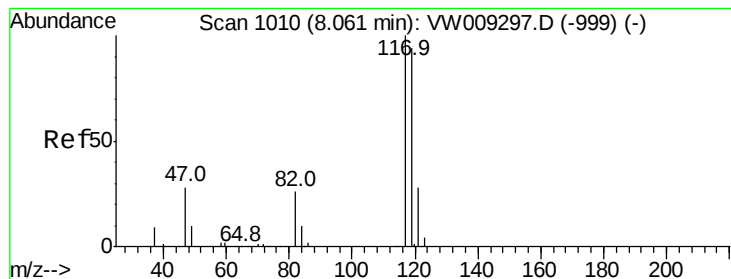
Tgt Ion: 56 Resp: 199817
Ion Ratio Lower Upper
56 100
69 30.1 24.0 36.0
84 87.2 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 25.516 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

Tgt Ion: 97 Resp: 199590
Ion Ratio Lower Upper
97 100
99 62.4 51.2 76.8
61 47.1 38.4 57.6





#32

Carbon tetrachloride

Concen: 25.068 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

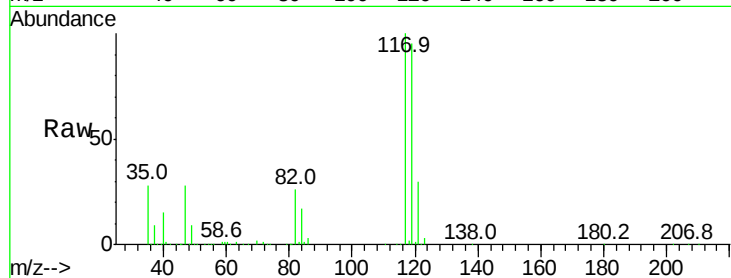
VSTD02516

Tgt Ion:117 Resp: 197844

Ion Ratio Lower Upper

117 100

119 97.5 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

80000

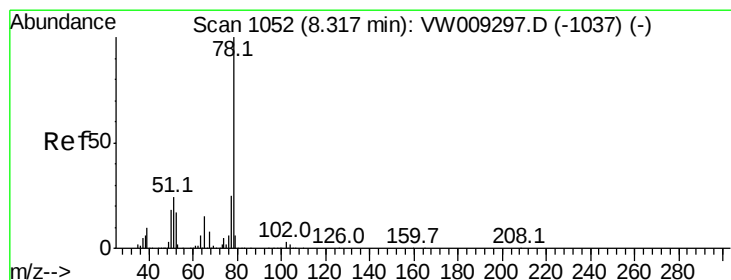
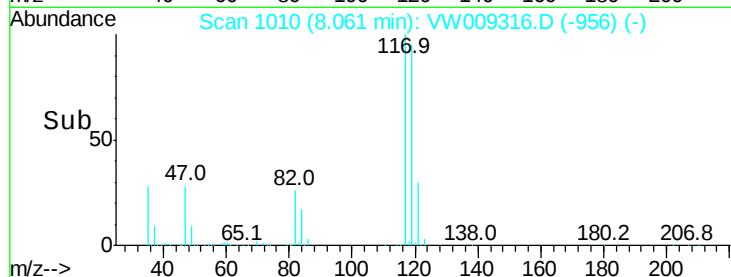
60000

40000

20000

0

Time--> 8.00 8.10 8.20



#34

Benzene

Concen: 26.494 ug/L

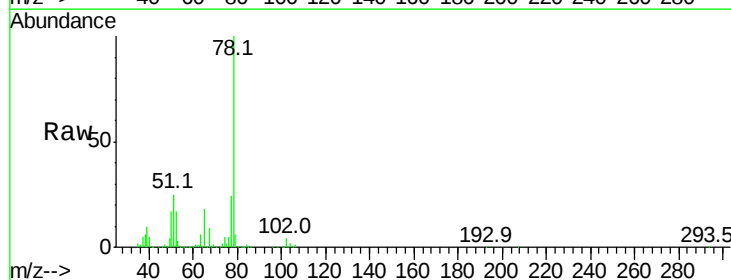
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Tgt Ion: 78 Resp: 567963



Abundance Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

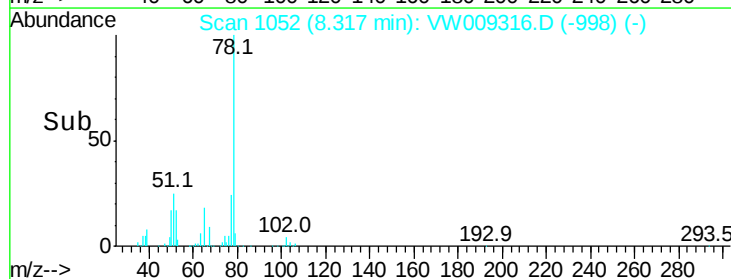
150000

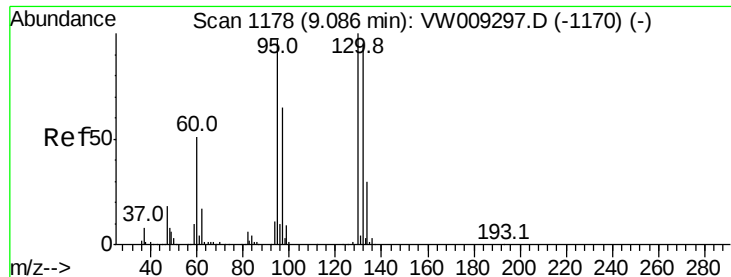
100000

50000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 25.350 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tgt Ion: 95 Resp: 144805

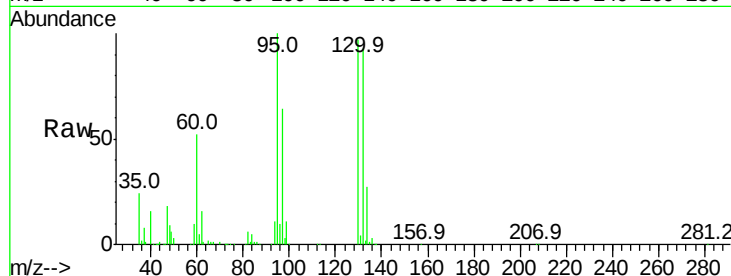
Ion Ratio Lower Upper

95 100

97 64.1 44.7 82.9

132 98.2 69.0 128.2

130 102.2 72.7 134.9

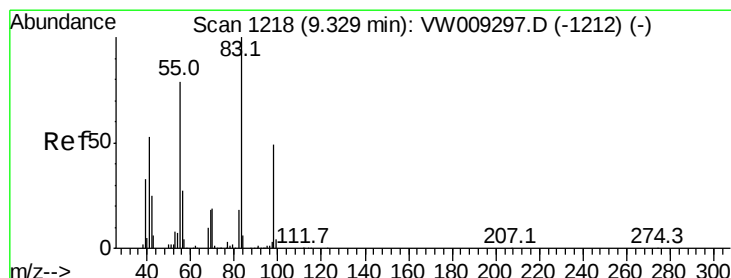
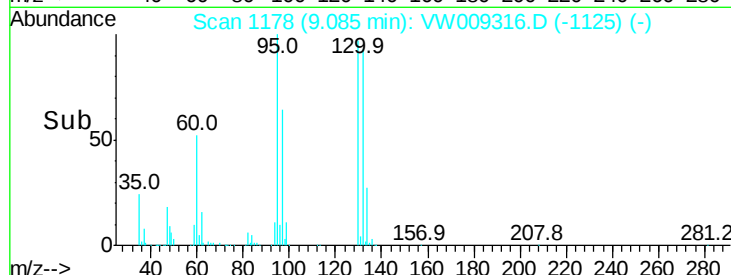
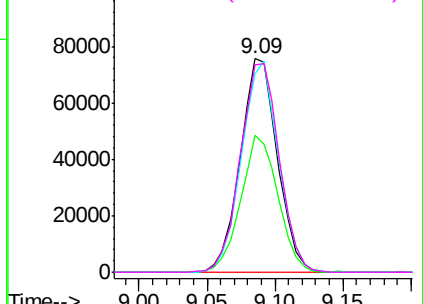


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.108 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

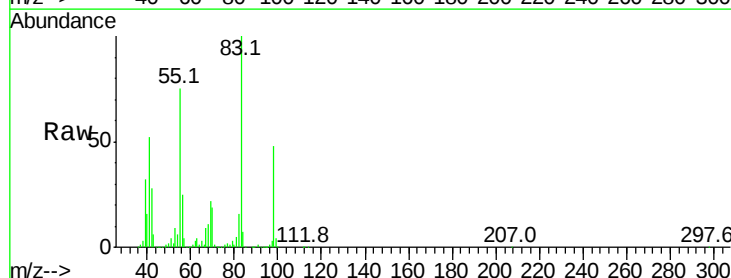
Tgt Ion: 83 Resp: 228366

Ion Ratio Lower Upper

83 100

55 78.2 63.5 95.3

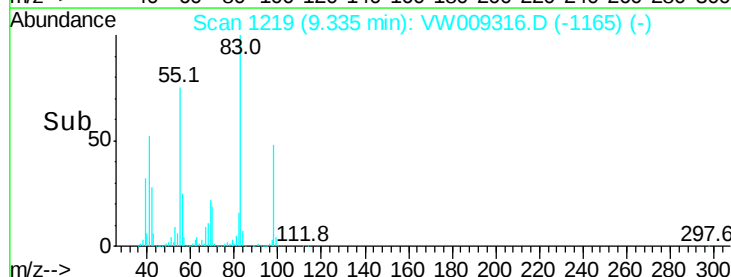
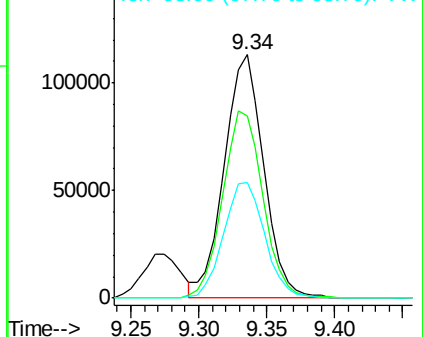
98 49.9 39.8 59.8

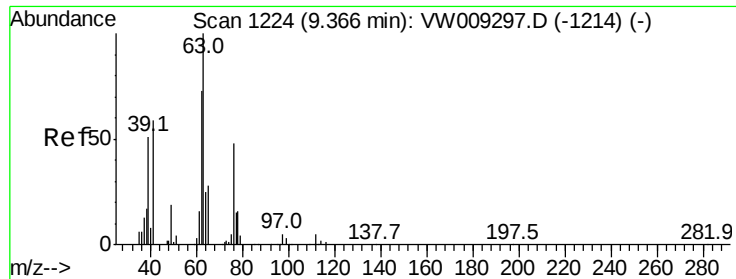


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 26.311 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

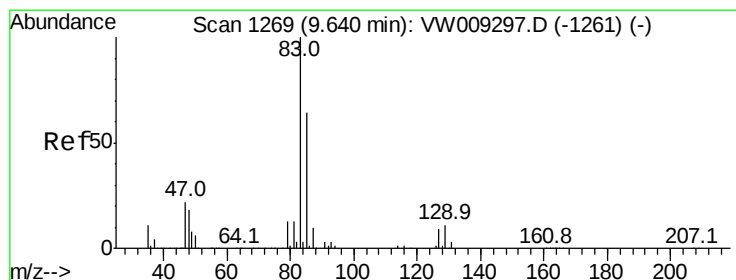
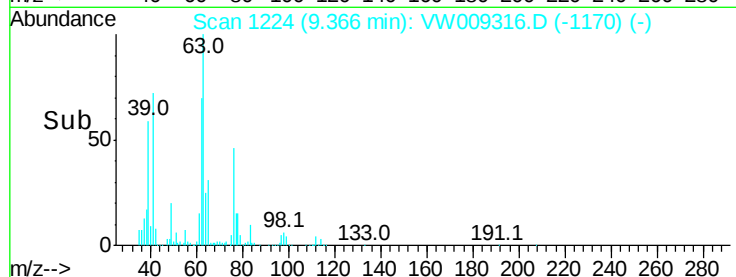
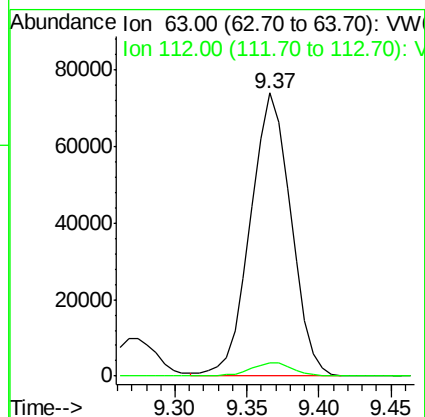
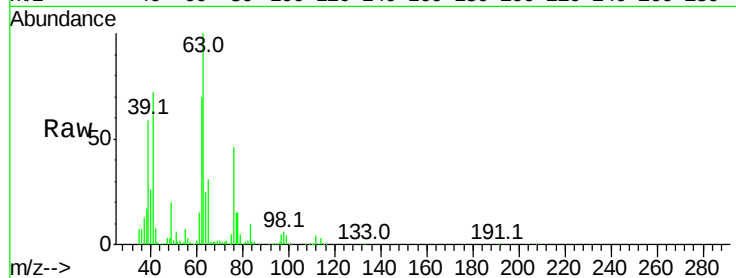
VSTD02516

Tgt Ion: 63 Resp: 144734

Ion Ratio Lower Upper

63 100

112 5.0 4.0 6.0



#41

Bromodichloromethane

Concen: 26.977 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

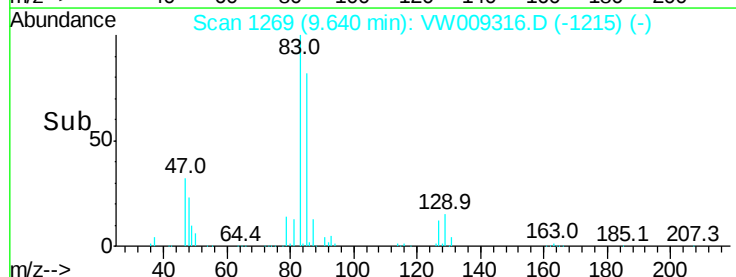
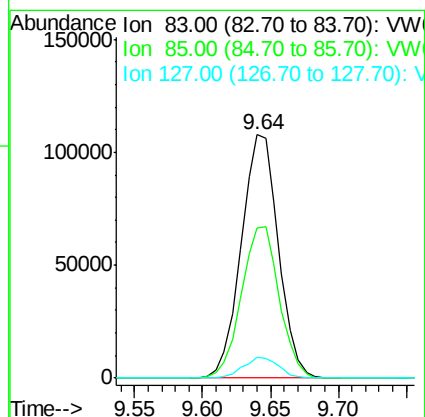
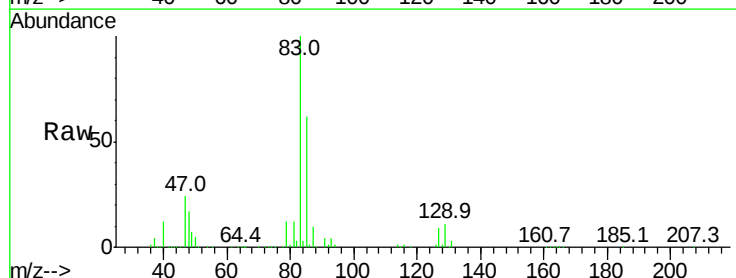
Tgt Ion: 83 Resp: 205615

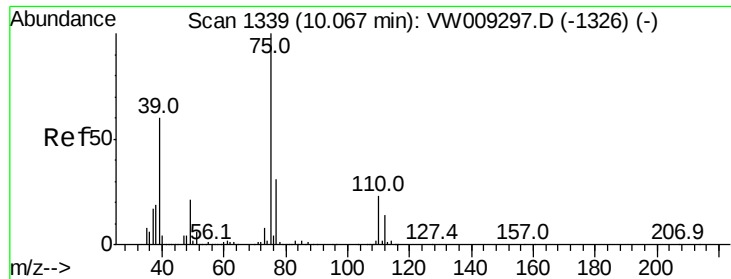
Ion Ratio Lower Upper

83 100

85 61.6 43.5 80.7

127 8.6 6.2 9.4





#42

cis-1,3-Dichloroprene

Concen: 24.955 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampled :

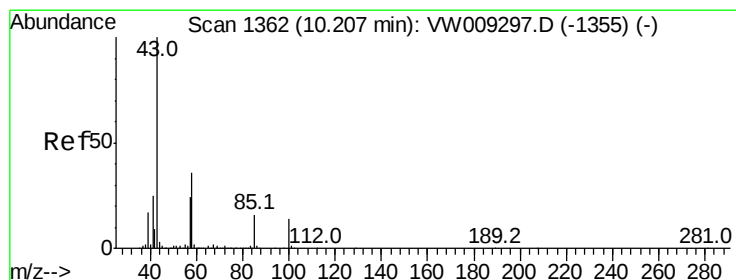
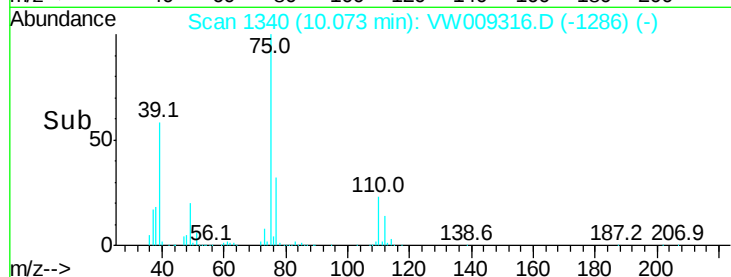
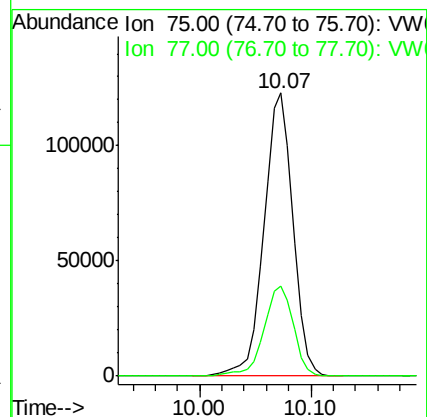
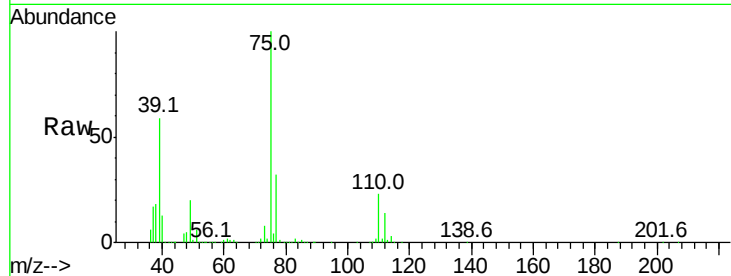
VSTD02516

Tgt Ion: 75 Resp: 223586

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 47.422 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

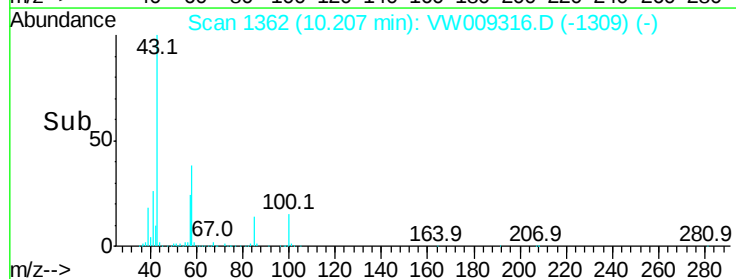
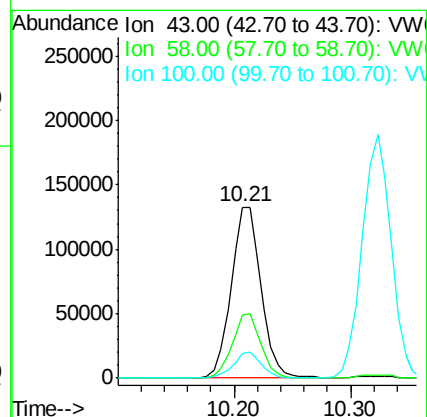
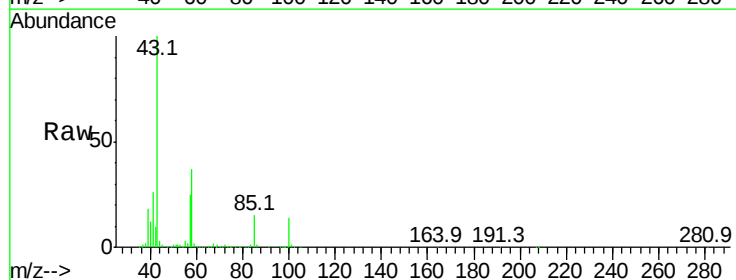
Tgt Ion: 43 Resp: 236383

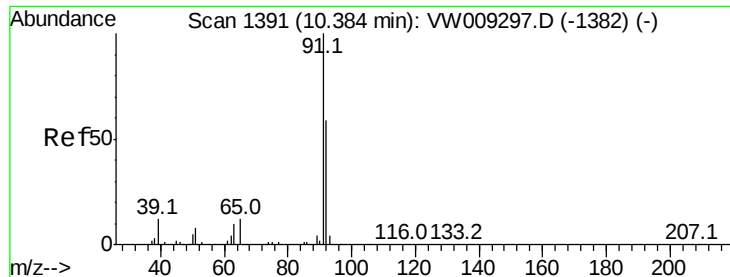
Ion Ratio Lower Upper

43 100

58 36.1 28.2 42.2

100 14.1 11.4 17.2





#44

Toluene

Concen: 26.060 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

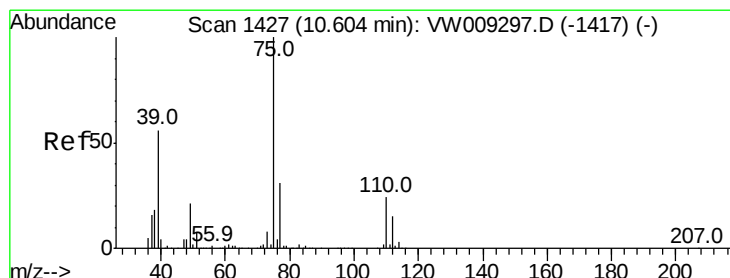
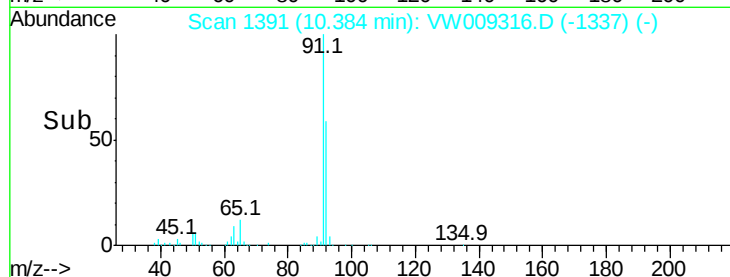
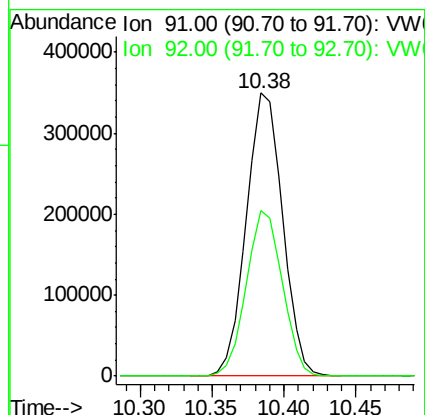
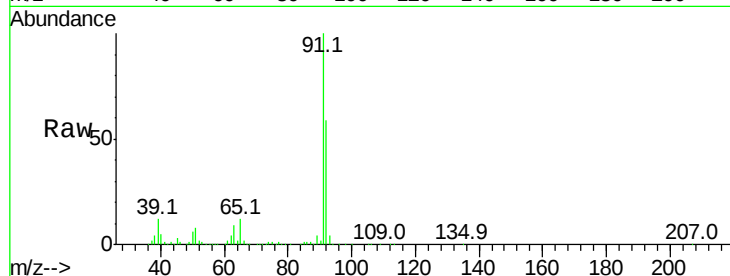
VSTD02516

Tgt Ion: 91 Resp: 610795

Ion Ratio Lower Upper

91 100

92 58.7 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 24.881 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009316.D

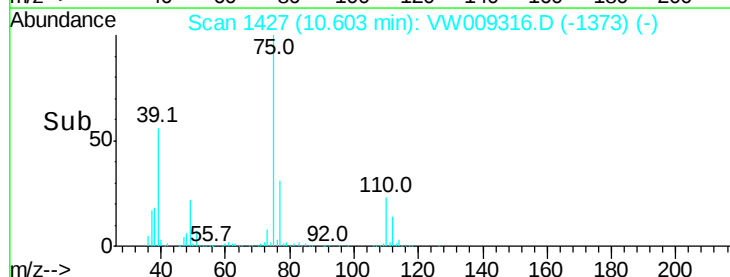
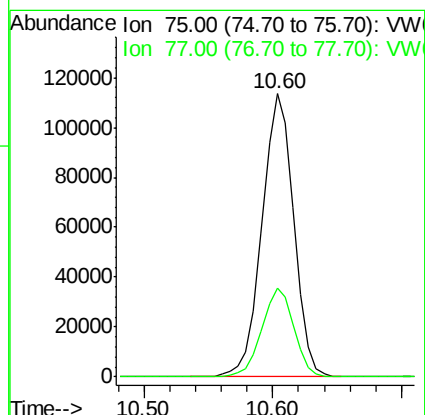
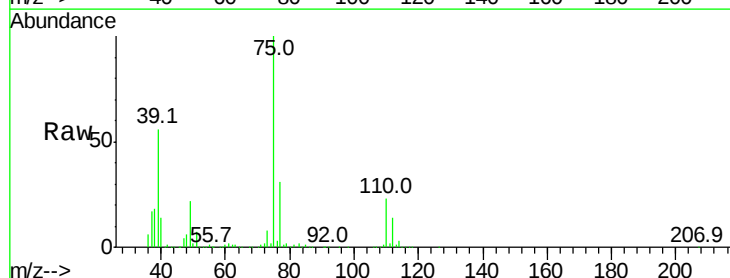
Acq: 21 Mar 2019 05:27

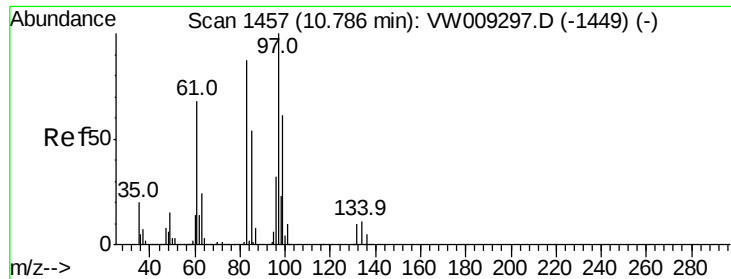
Tgt Ion: 75 Resp: 193922

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7

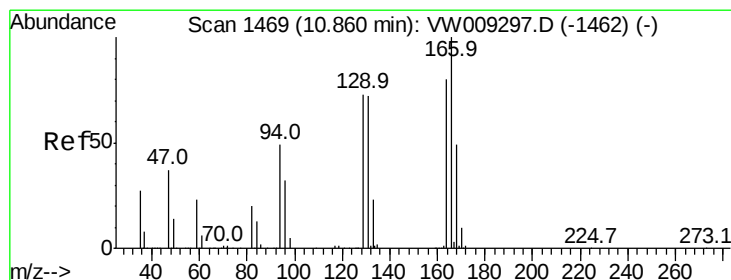
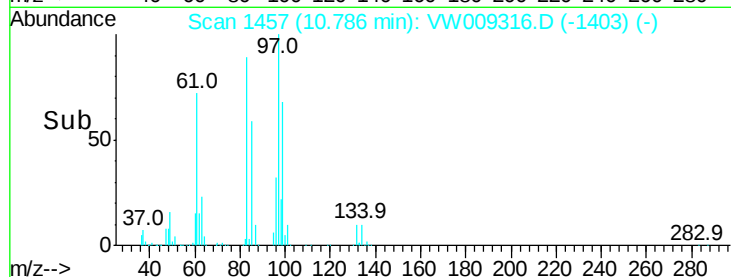
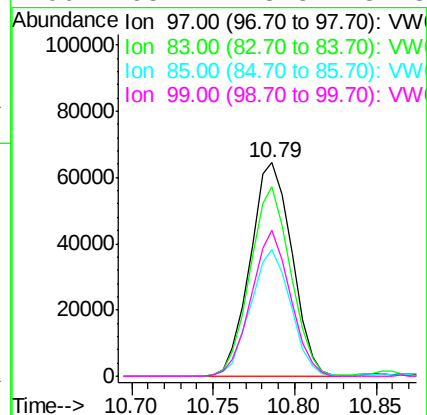
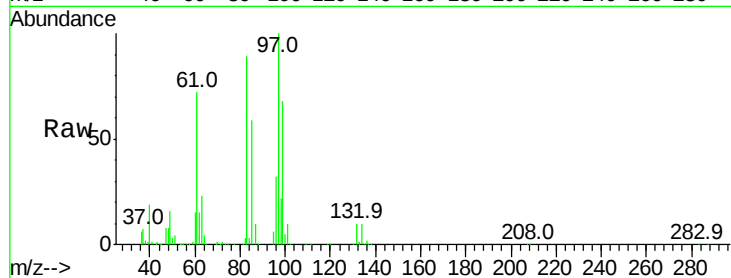




#46
 1,1,2-Trichloroethane
 Concen: 26.152 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

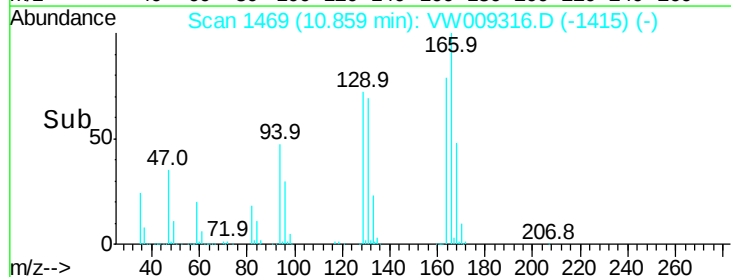
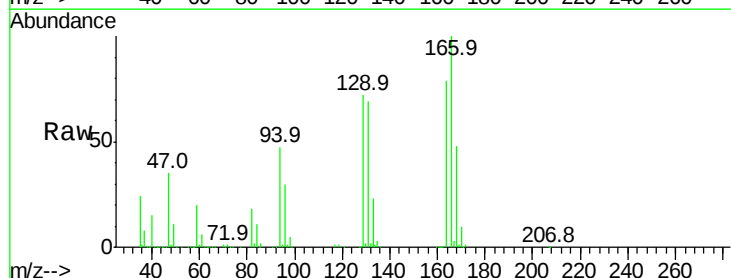
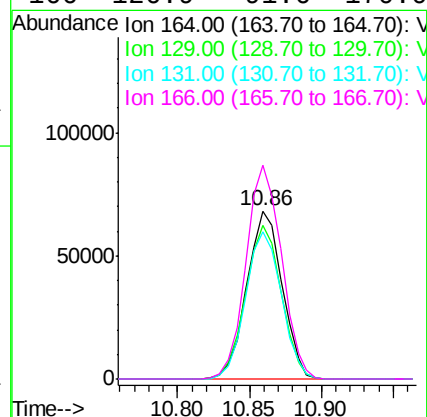
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

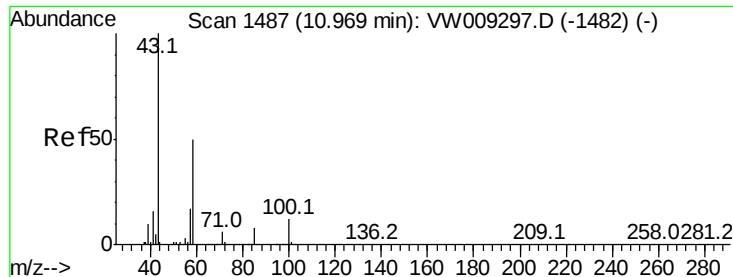
Tgt Ion: 97 Resp: 114770
 Ion Ratio Lower Upper
 97 100
 83 88.7 60.7 112.7
 85 59.1 40.1 74.5
 99 68.2 43.8 81.3



#47
 Tetrachloroethene
 Concen: 24.004 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

Tgt Ion: 164 Resp: 115854
 Ion Ratio Lower Upper
 164 100
 129 91.1 66.5 123.5
 131 87.6 62.6 116.3
 166 126.9 91.6 170.0

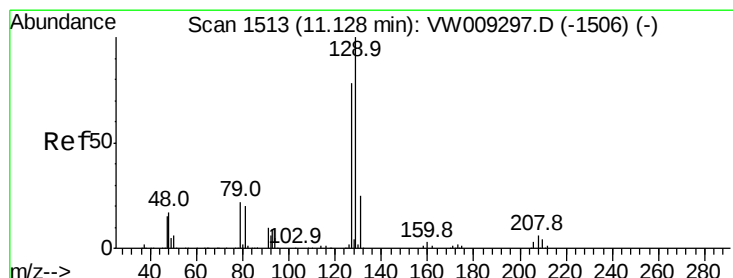
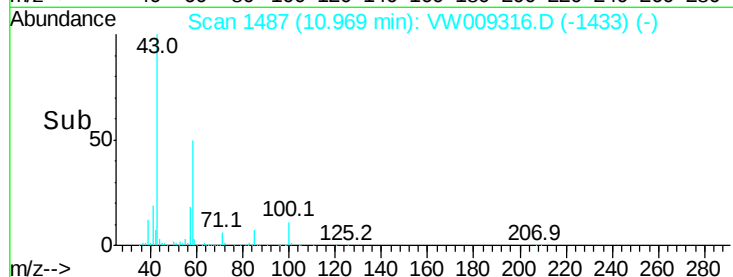
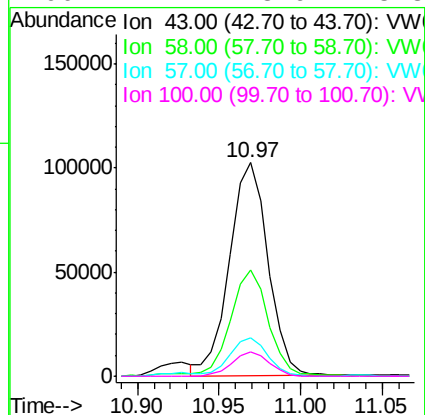
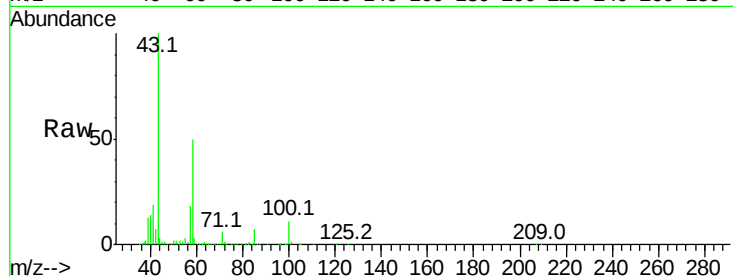




#49
2-Hexanone
Concen: 47.777 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

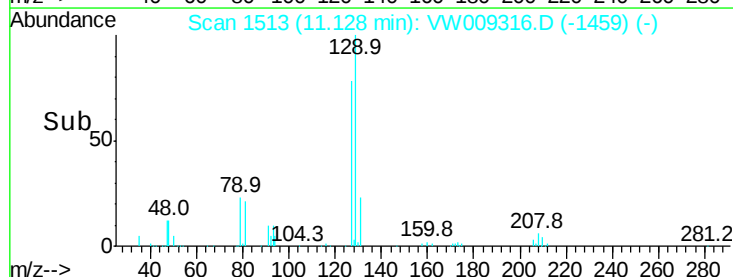
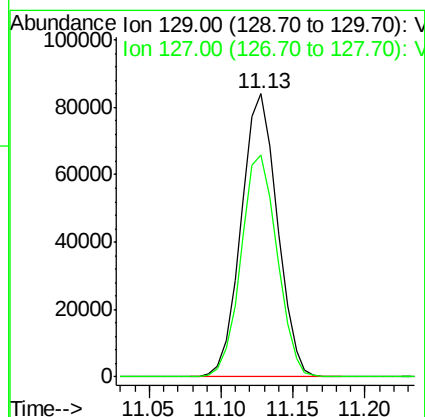
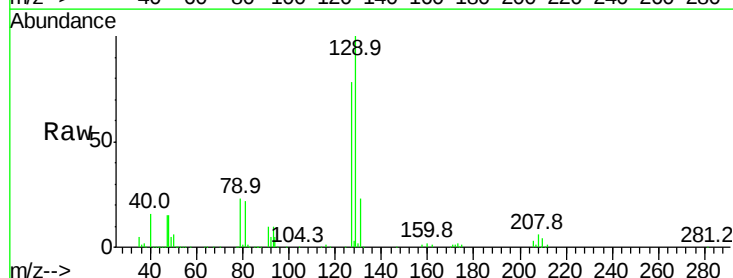
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

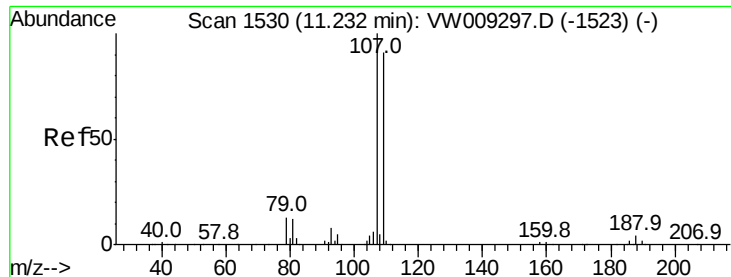
Tgt Ion:	43	Resp:	167732
Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.2	58.8
57	17.8	14.2	21.2
100	11.2	8.9	13.3



#50
Dibromochloromethane
Concen: 27.005 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

Tgt Ion:	129	Resp:	146298
Ion	Ratio	Lower	Upper
129	100		
127	78.3	56.8	105.6

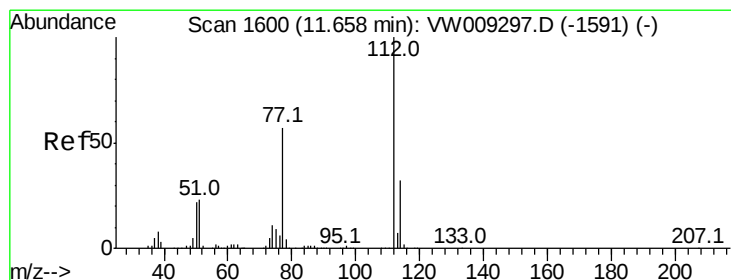
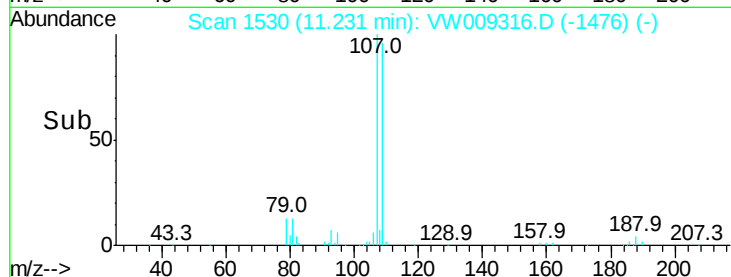
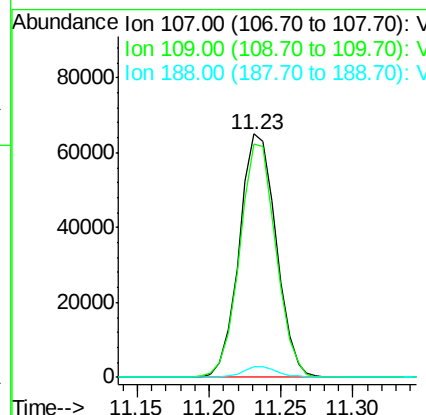
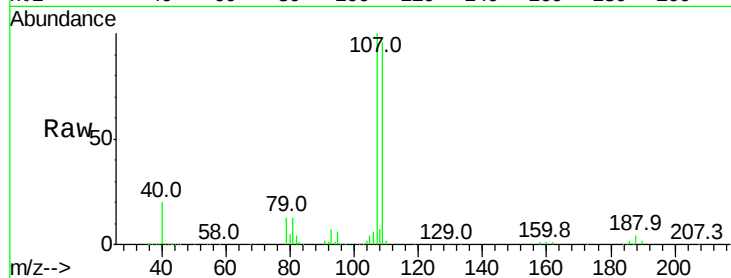




#51
 1,2-Dibromoethane
 Concen: 26.001 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

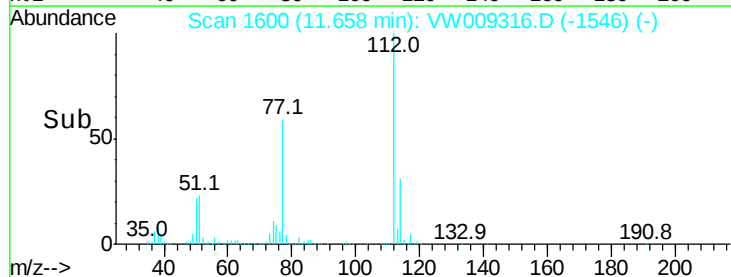
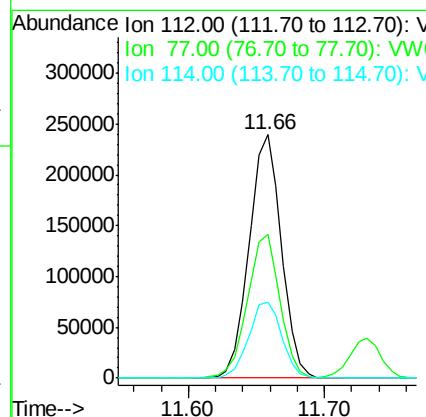
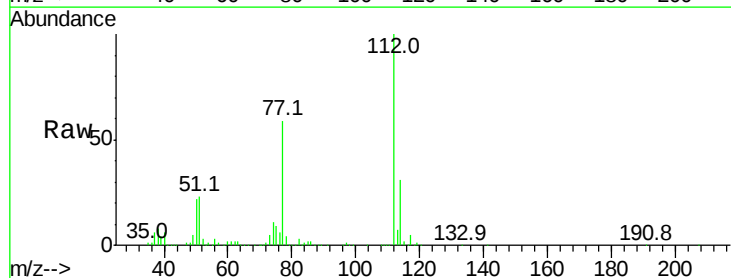
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

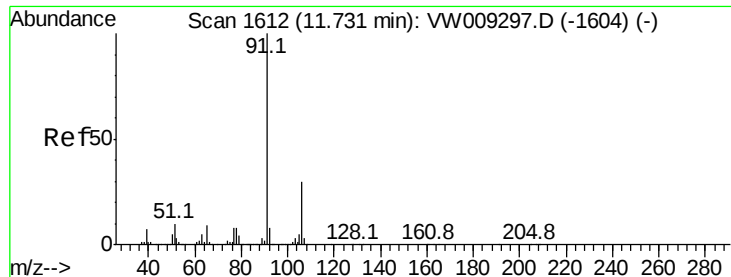
Tgt Ion:107 Resp: 115675
 Ion Ratio Lower Upper
 107 100
 109 96.1 68.0 126.4
 188 4.3 3.5 5.3



#52
 Chlorobenzene
 Concen: 26.402 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

Tgt Ion:112 Resp: 396891
 Ion Ratio Lower Upper
 112 100
 77 58.9 45.7 68.5
 114 31.3 22.8 42.4





#53

Ethylbenzene

Concen: 25.977 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

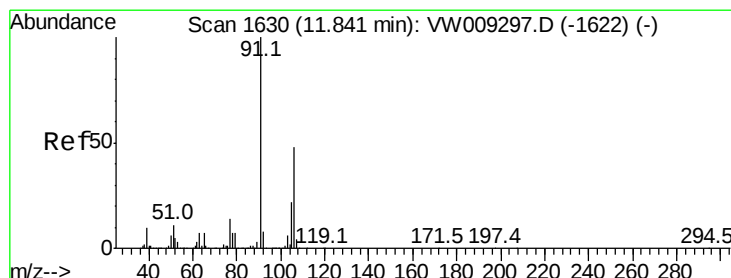
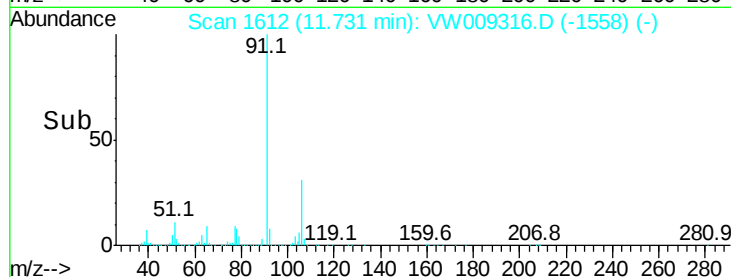
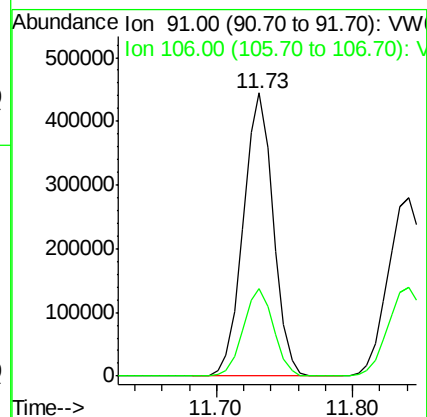
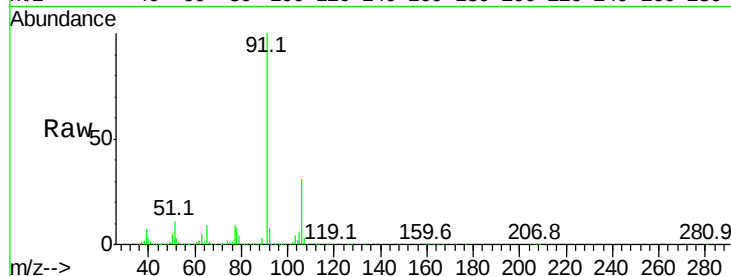
VSTD02516

Tgt Ion: 91 Resp: 684531

Ion Ratio Lower Upper

91 100

106 31.0 21.0 39.0



#54

m,p-Xylene

Concen: 26.085 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009316.D

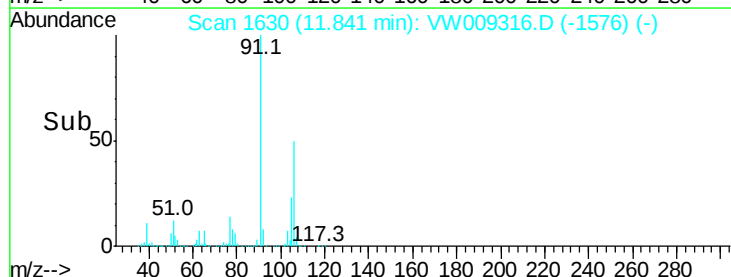
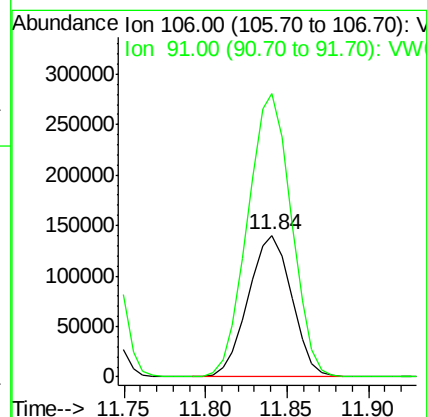
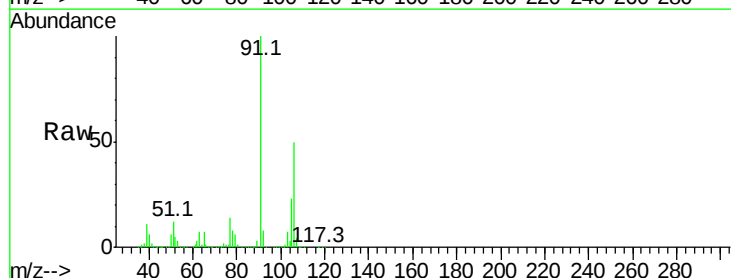
Acq: 21 Mar 2019 05:27

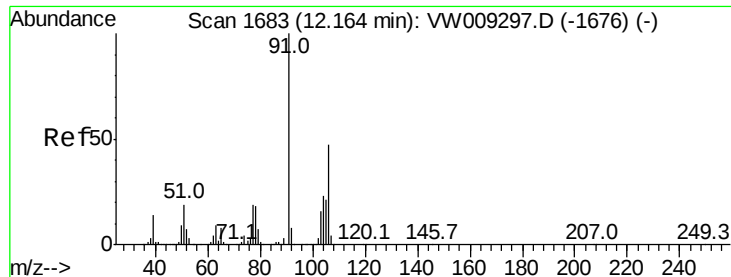
Tgt Ion: 106 Resp: 261139

Ion Ratio Lower Upper

106 100

91 200.1 138.4 257.0

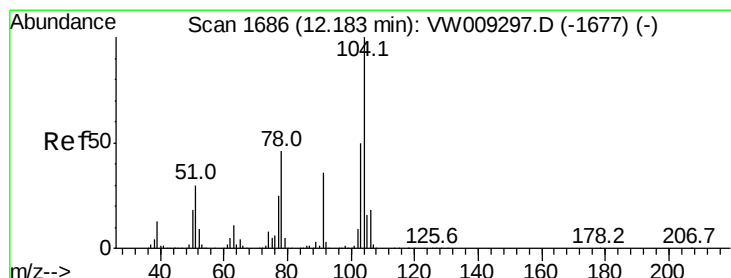
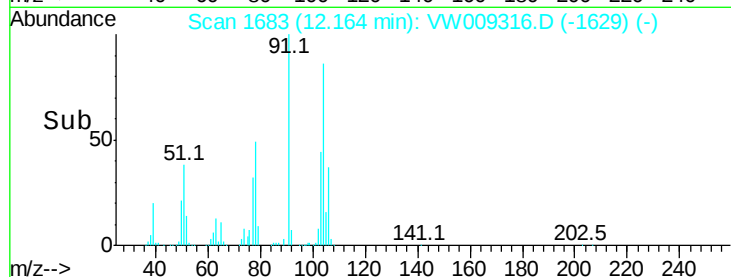
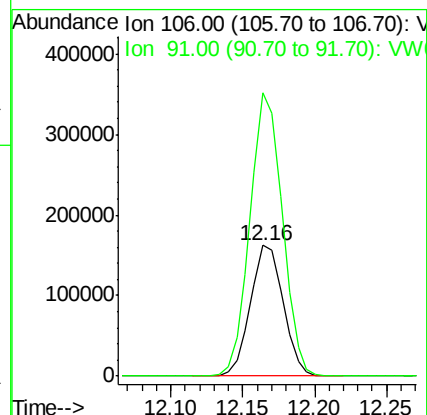
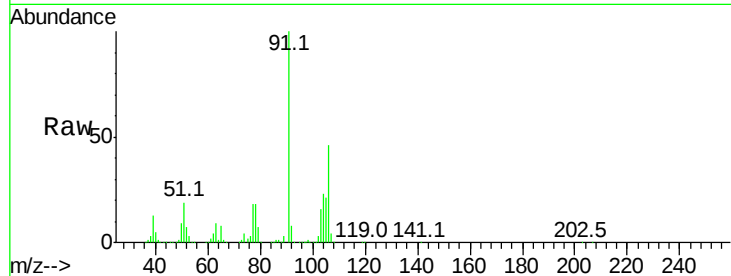




#55
o-xylene
Concen: 26.160 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

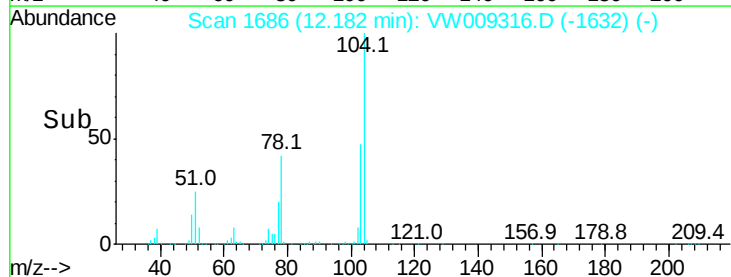
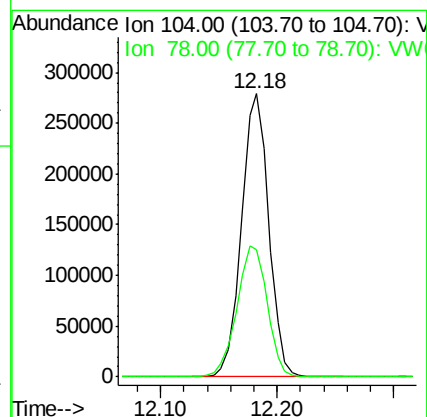
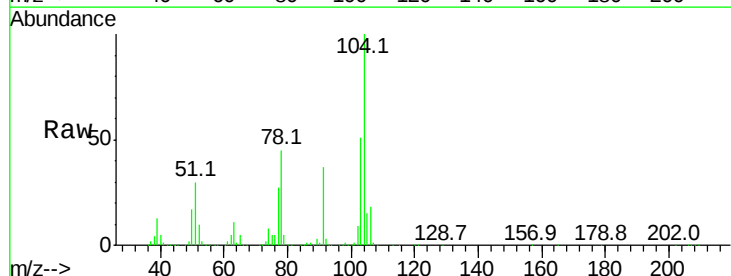
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

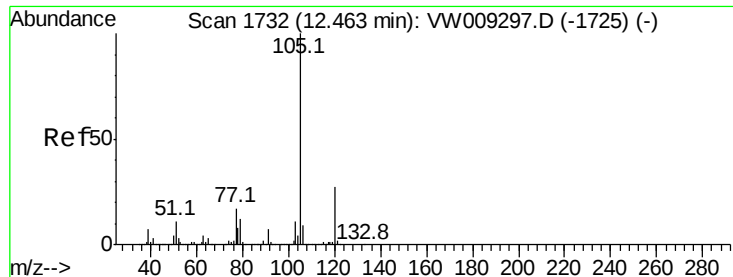
Tgt Ion:106 Resp: 255495
Ion Ratio Lower Upper
106 100
91 216.7 153.2 284.4



#56
Styrene
Concen: 27.311 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009316.D
Acq: 21 Mar 2019 05:27

Tgt Ion:104 Resp: 455115
Ion Ratio Lower Upper
104 100
78 44.9 30.9 57.3





#57

Isopropylbenzene

Concen: 25.734 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampled :

VSTD02516

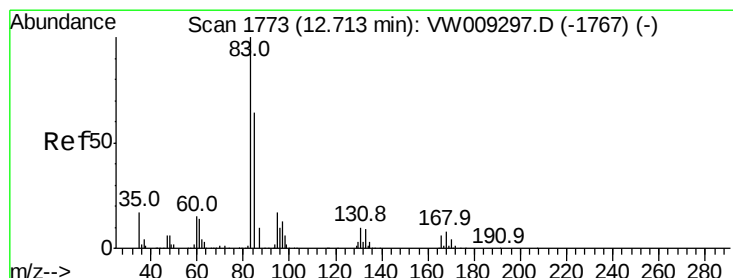
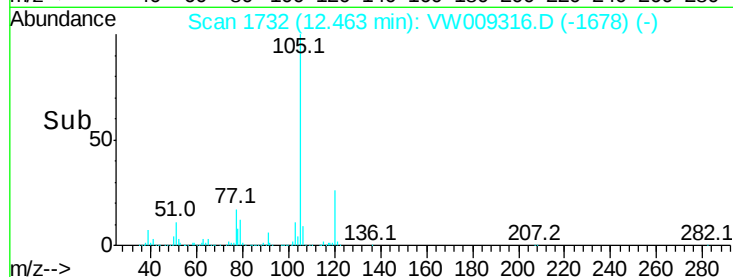
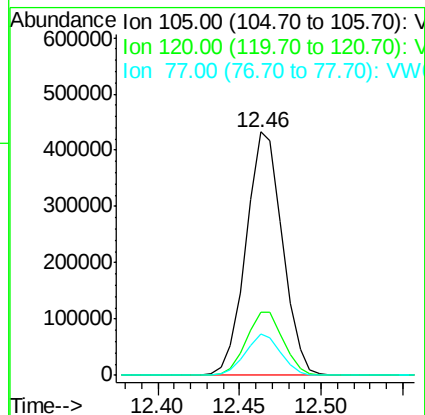
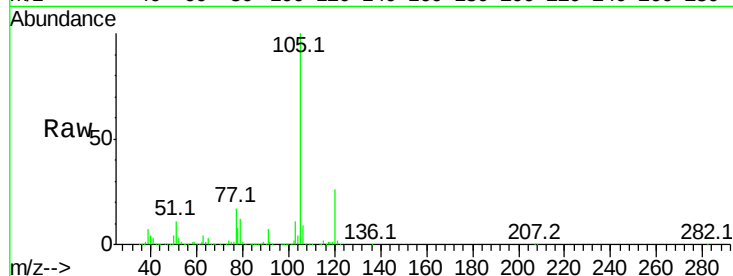
Tgt Ion:105 Resp: 673276

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

77 16.4 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 26.160 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

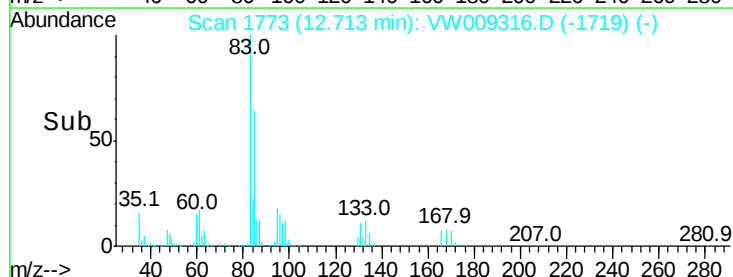
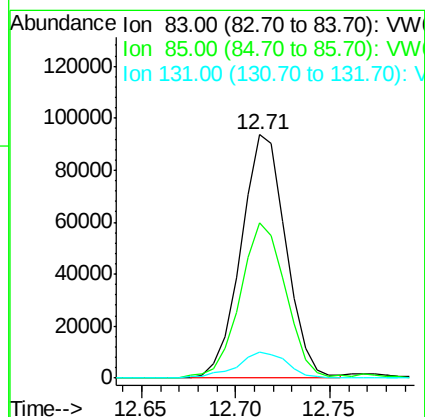
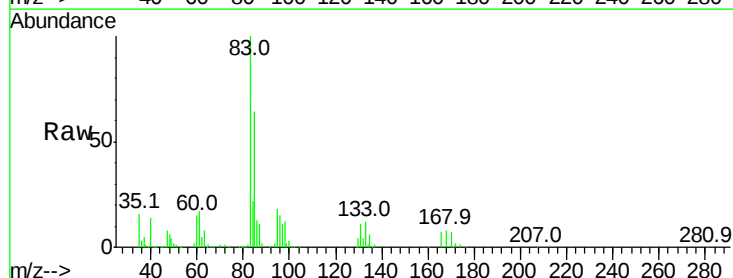
Tgt Ion: 83 Resp: 154881

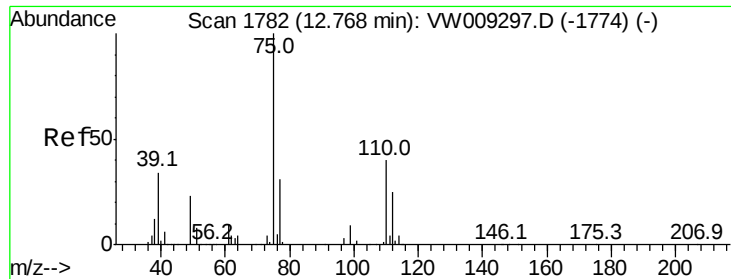
Ion Ratio Lower Upper

83 100

85 63.5 45.6 84.8

131 10.9 9.2 13.8





#59

1,2,3-Trichloropropane

Concen: 26.060 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

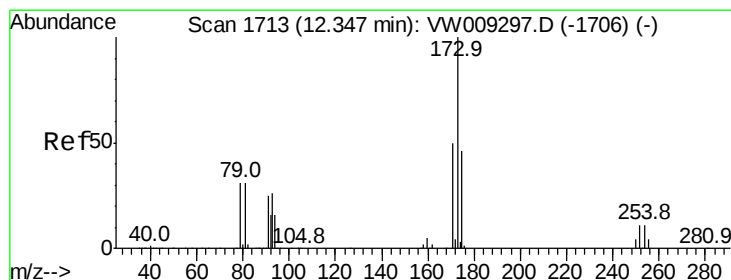
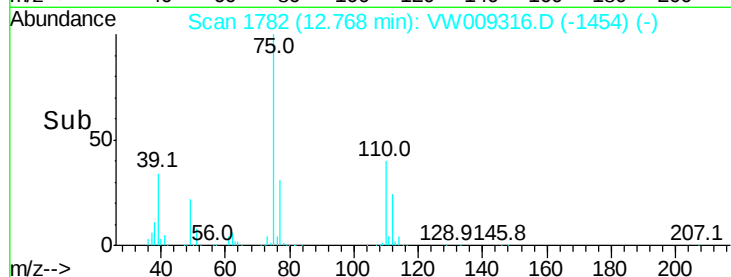
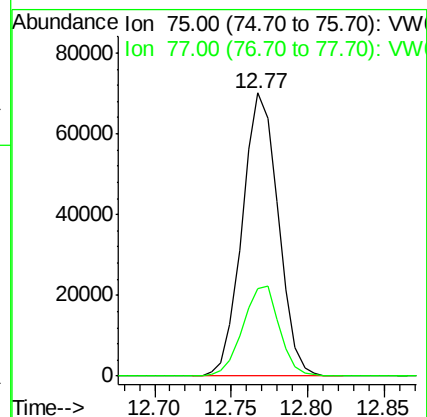
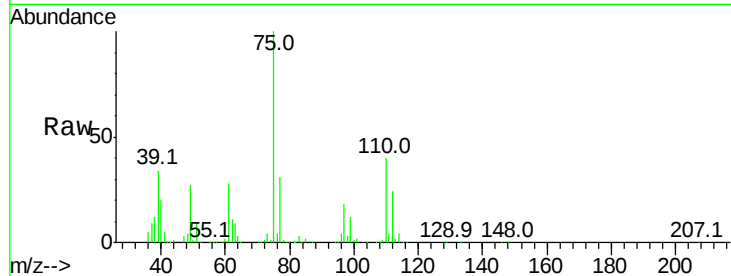
VSTD02516

Tgt Ion: 75 Resp: 114500

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2



#62

Bromoform

Concen: 26.230 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

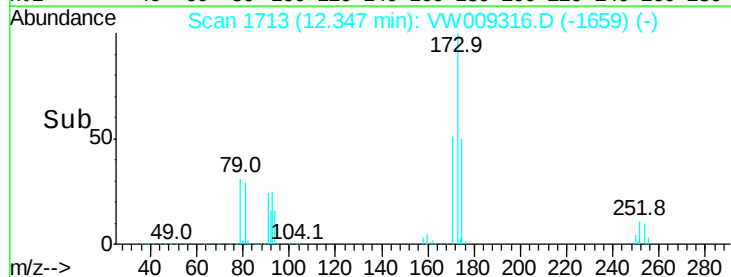
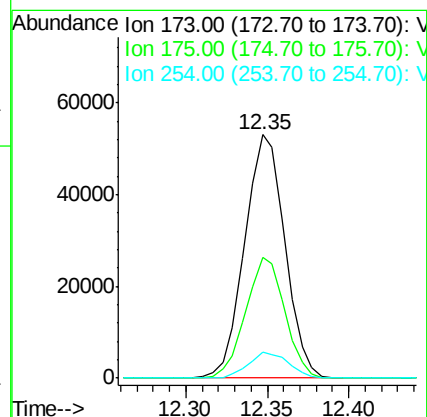
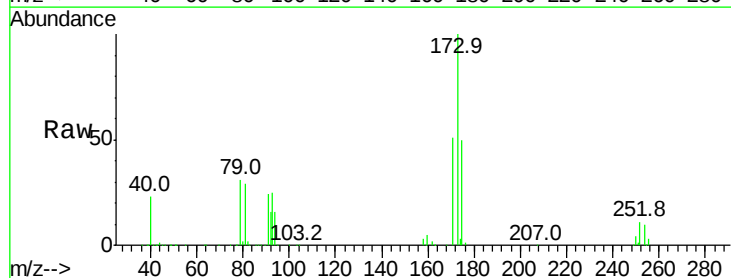
Tgt Ion:173 Resp: 91102

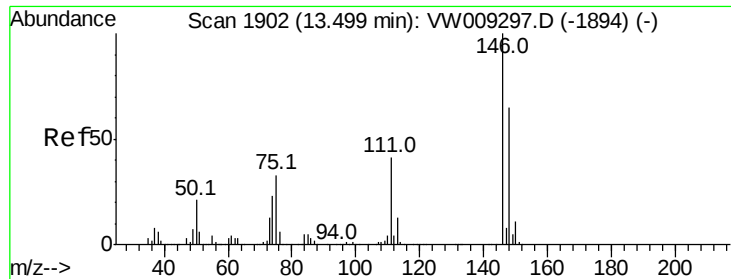
Ion Ratio Lower Upper

173 100

175 48.3 39.7 59.5

254 10.6 8.5 12.7

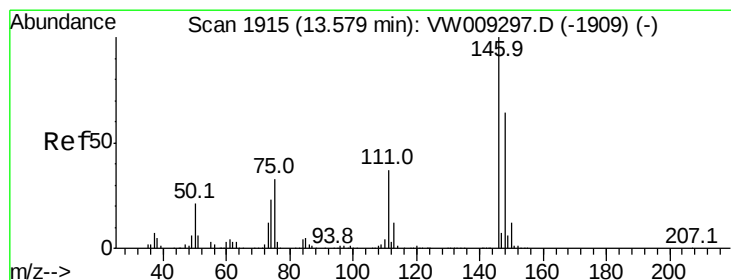
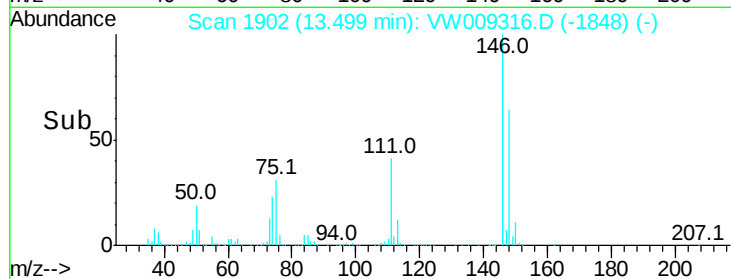
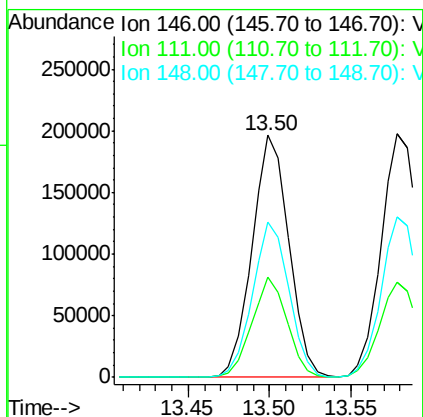
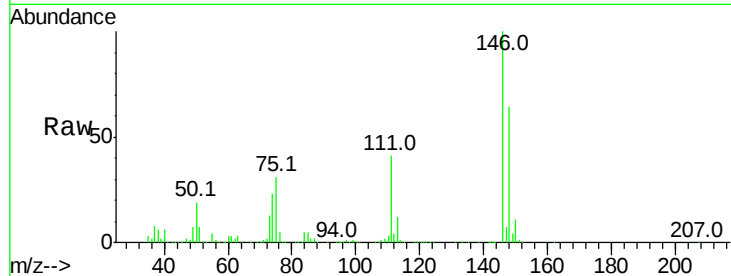




#63
 1,3-Dichlorobenzene
 Concen: 25.208 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

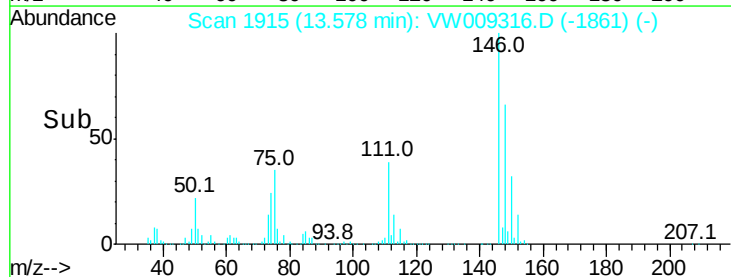
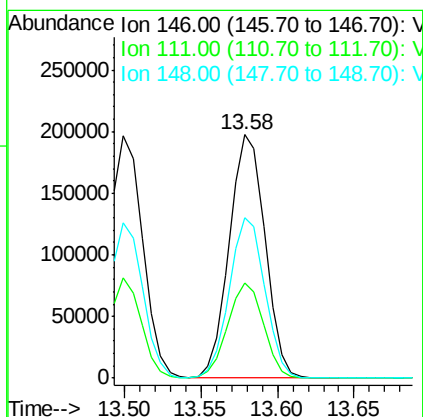
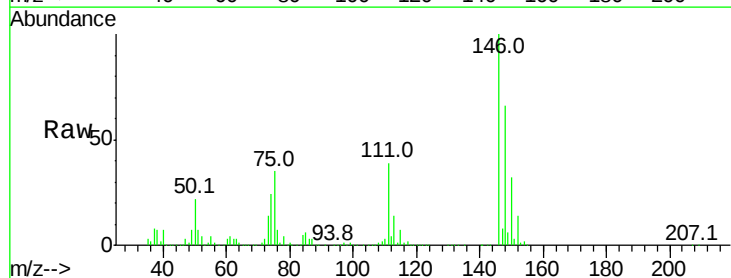
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

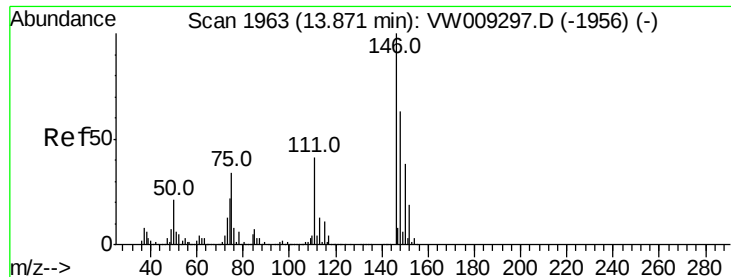
Tgt Ion:146 Resp: 308818
 Ion Ratio Lower Upper
 146 100
 111 41.2 26.9 49.9
 148 64.4 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 25.246 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

Tgt Ion:146 Resp: 319773
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.8 51.6
 148 65.9 46.3 86.1

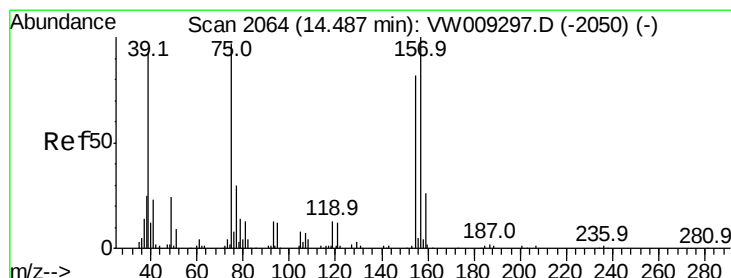
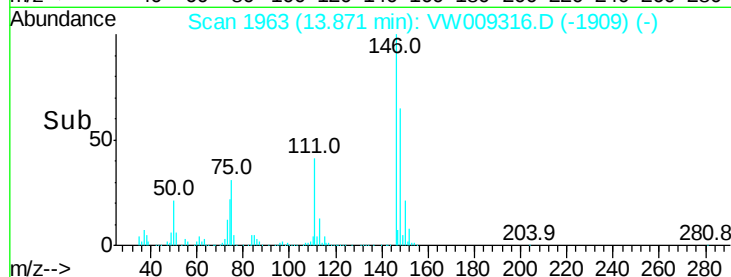
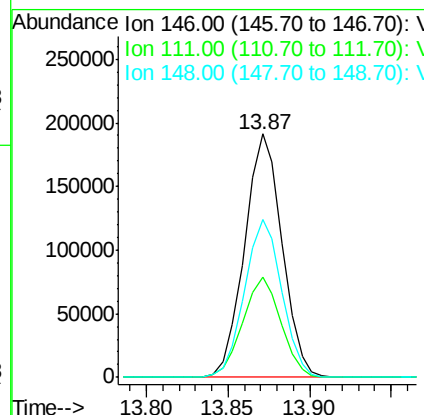
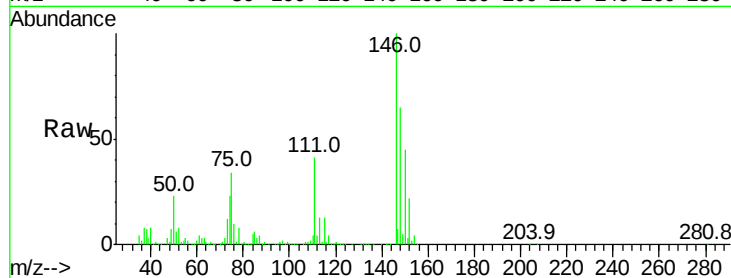




#65
 1,2-Dichlorobenzene
 Concen: 26.238 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

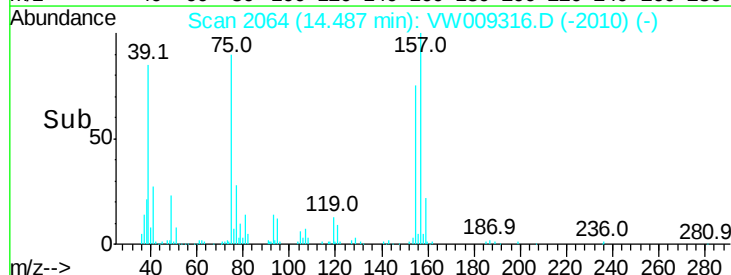
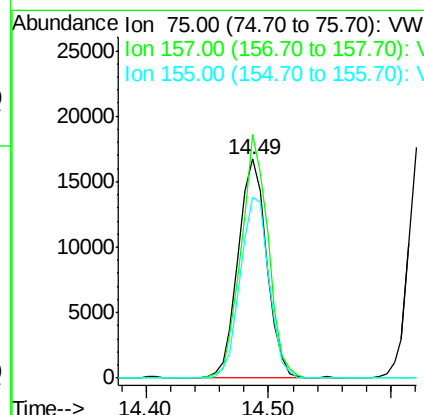
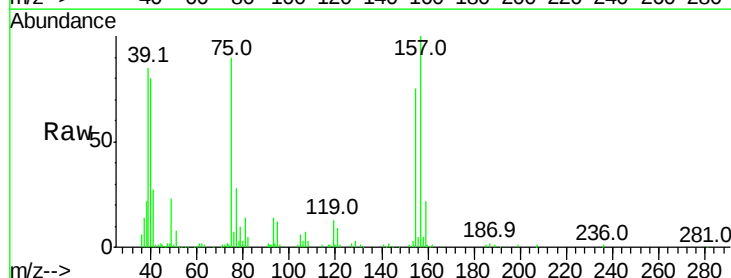
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

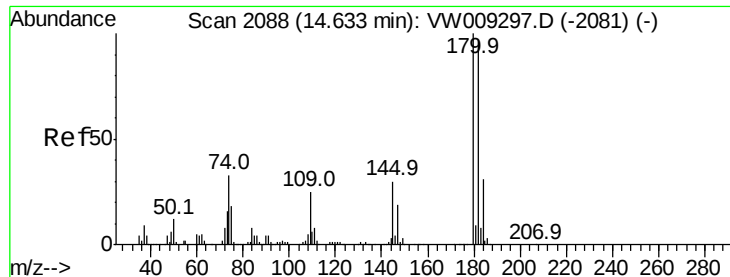
Tgt Ion: 146 Resp: 306544
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.5 50.3
 148 64.7 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.578 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

Tgt Ion: 75 Resp: 26998
 Ion Ratio Lower Upper
 75 100
 157 111.1 89.0 133.4
 155 82.8 64.2 96.2

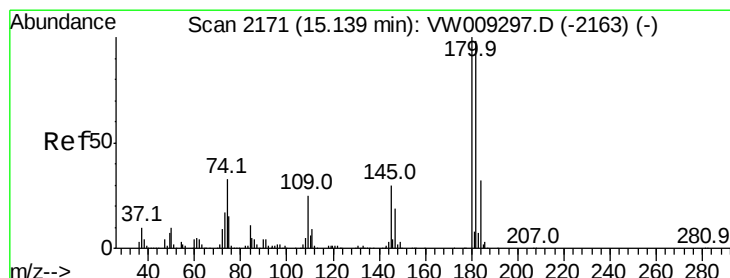
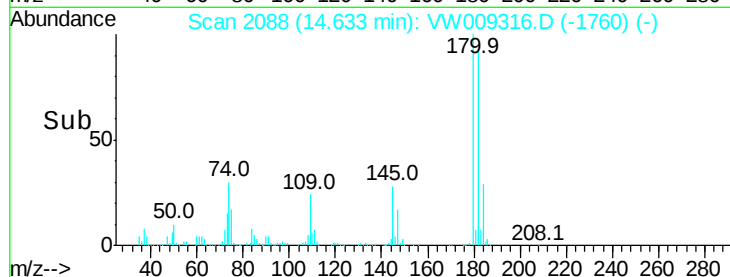
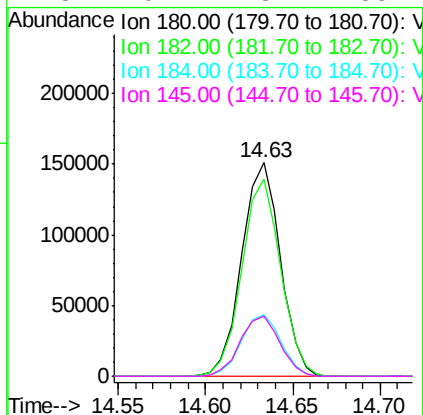
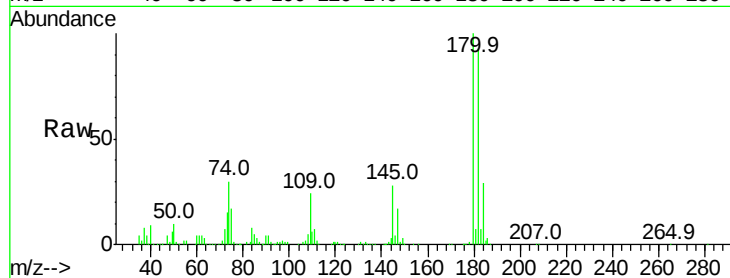




#67
 1,3,5-Trichlorobenzene
 Concen: 24.295 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

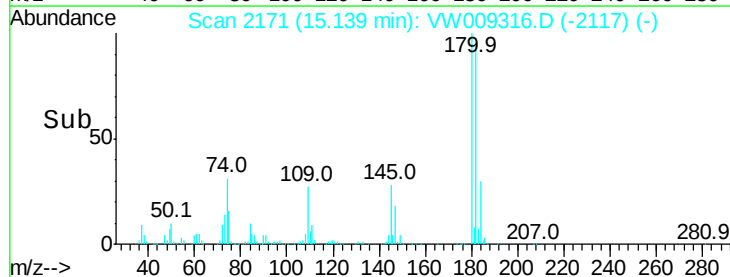
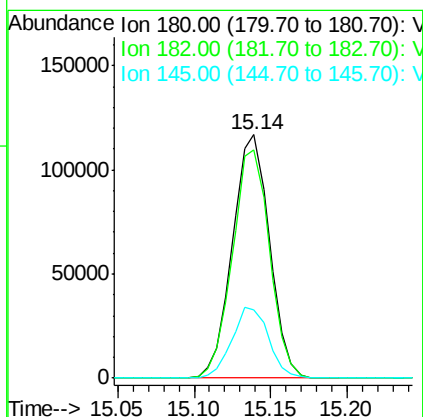
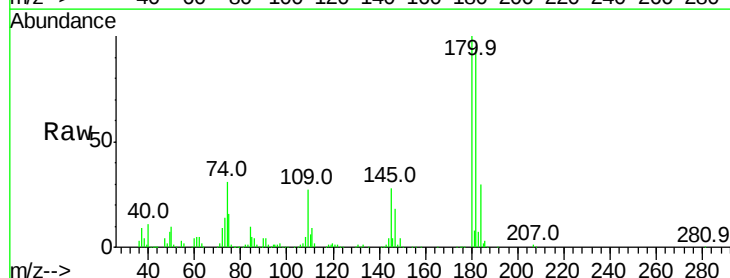
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

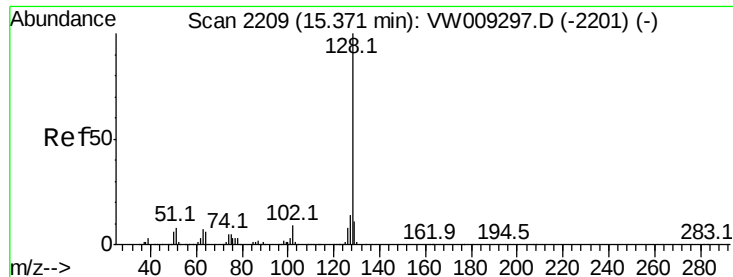
Tgt Ion:	180	Resp:	232150
Ion Ratio	Lower	Upper	
180	100		
182	92.7	76.1	114.1
184	30.0	23.8	35.6
145	29.2	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 24.493 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009316.D
 Acq: 21 Mar 2019 05:27

Tgt Ion:	180	Resp:	196592
Ion Ratio	Lower	Upper	
180	100		
182	94.0	75.5	113.3
145	29.0	24.1	36.1





#69

Naphthalene

Concen: 25.579 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

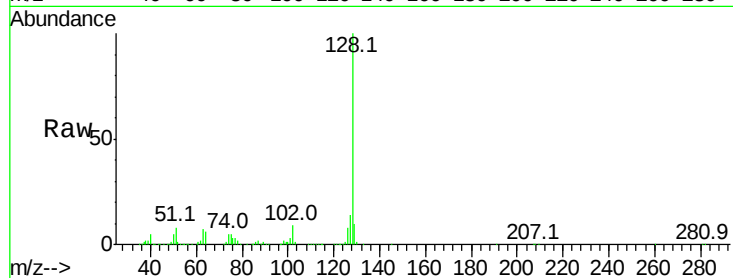
Tgt Ion:128 Resp: 425662

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

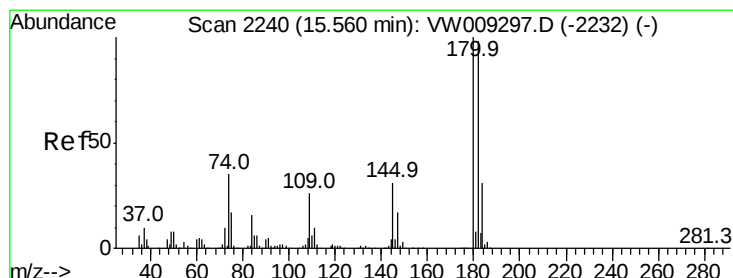
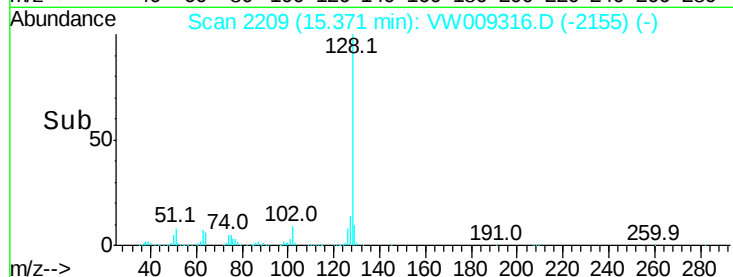
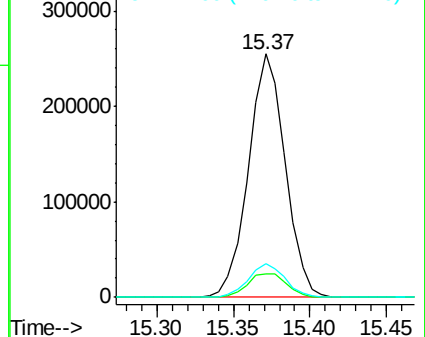
127 13.6 11.1 16.7



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: 25.578 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009316.D

Acq: 21 Mar 2019 05:27

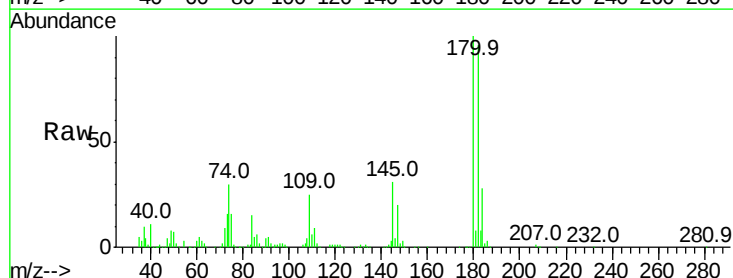
Tgt Ion:180 Resp: 192289

Ion Ratio Lower Upper

180 100

182 95.4 77.2 115.8

145 31.6 25.8 38.6



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

