

Data File : VW011567.D
Acq On : 30 Jul 2019 09:56
Operator : SY/VA
Sample : VSTD00524
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Quant Time: Jul 30 11:21:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 11:14:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	383526	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	334753	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	158897	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	27678	5.41	ug/L	0.00
7) Chloroethane-d5	2.89	69	19137	5.13	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	60746	5.24	ug/L	0.00
20) 2-Butanone-d5	7.09	46	23407	10.74	ug/L	0.01
24) Chloroform-d	7.65	84	53011	5.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	31458	5.39	ug/L	0.00
29) Benzene-d6	8.27	84	108041	5.40	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	34972	5.39	ug/L	0.00
37) Toluene-d8	10.32	98	94049	5.24	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	14690	5.24	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	15195	10.80	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	28614	5.52	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	31373	5.26	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	18791	4.016	ug/L	94
3) Chloromethane	2.21	50	26971	4.751	ug/L	100
5) Vinyl chloride	2.36	62	35521	5.313	ug/L	97
6) Bromomethane	2.78	94	16577	5.136	ug/L	94
8) Chloroethane	2.92	64	18080	5.079	ug/L	97
9) Trichlorofluoromethane	3.26	101	16575	5.213	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	25990	5.093	ug/L	97
12) 1,1-Dichloroethene	4.04	96	26581	5.218	ug/L	96
13) Acetone	4.13	43	24276	10.524	ug/L	97
14) Carbon disulfide	4.39	76	84060	5.089	ug/L	98
15) Methyl Acetate	4.67	43	19808	5.593	ug/L	99
16) Methylene chloride	4.92	84	29343	5.256	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	43948	5.457	ug/L #	89
18) trans-1,2-Dichloroethene	5.43	96	26811	5.104	ug/L	98
19) 1,1-Dichloroethane	6.22	63	54452	5.218	ug/L	97
21) 2-Butanone	7.18	43	29016	9.788	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	28700	5.157	ug/L	95
23) Bromochloromethane	7.52	128	11830	5.086	ug/L	92
25) Chloroform	7.68	83	51204	5.327	ug/L	100
27) 1,2-Dichloroethane	8.40	62	37406	5.339	ug/L	100
30) Cyclohexane	7.95	56	54559	5.004	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	39380	5.285	ug/L	100
32) Carbon tetrachloride	8.07	117	36480	5.268	ug/L	100
34) Benzene	8.32	78	115816	5.330	ug/L	100
35) Trichloroethene	9.09	95	28898	5.232	ug/L	98
36) Methylcyclohexane	9.34	83	50624	5.041	ug/L	99
40) 1,2-Dichloropropane	9.37	63	30646	5.249	ug/L	99
41) Bromodichloromethane	9.65	83	34764	5.093	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	43372	4.945	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	51707	10.346	ug/L	99

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ClientSampleId :
VSTD00506

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Quant Title : VOC Analysis
QLast Update : Tue Jul 30 11:14:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	115082	5.163	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	36401	5.050	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	20657	5.286	ug/L	97
47) Tetrachloroethene	10.86	164	22536	5.319	ug/L	96
49) 2-Hexanone	10.97	43	38875	10.304	ug/L	99
50) Dibromochloromethane	11.13	129	21499	4.970	ug/L	99
51) 1,2-Dibromoethane	11.24	107	19829	5.247	ug/L	98
52) Chlorobenzene	11.66	112	70933	5.277	ug/L	99
53) Ethylbenzene	11.73	91	127043	5.065	ug/L	97
54) m,p-Xylene	11.84	106	46195	5.028	ug/L	91
55) o-xylene	12.16	106	43413	5.014	ug/L	97
56) Styrene	12.18	104	73346	5.035	ug/L	100
57) Isopropylbenzene	12.46	105	118620	5.029	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	27582	5.433	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	21084	5.436	ug/L	96
62) Bromoform	12.35	173	12841	5.106	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	52495	5.217	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	52667	5.153	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	46888	5.064	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	4410	4.997	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	37804	4.925	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	29120	4.578	ug/L	98
69) Naphthalene	15.37	128	52655	4.066	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	27274	4.733	ug/L	98

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

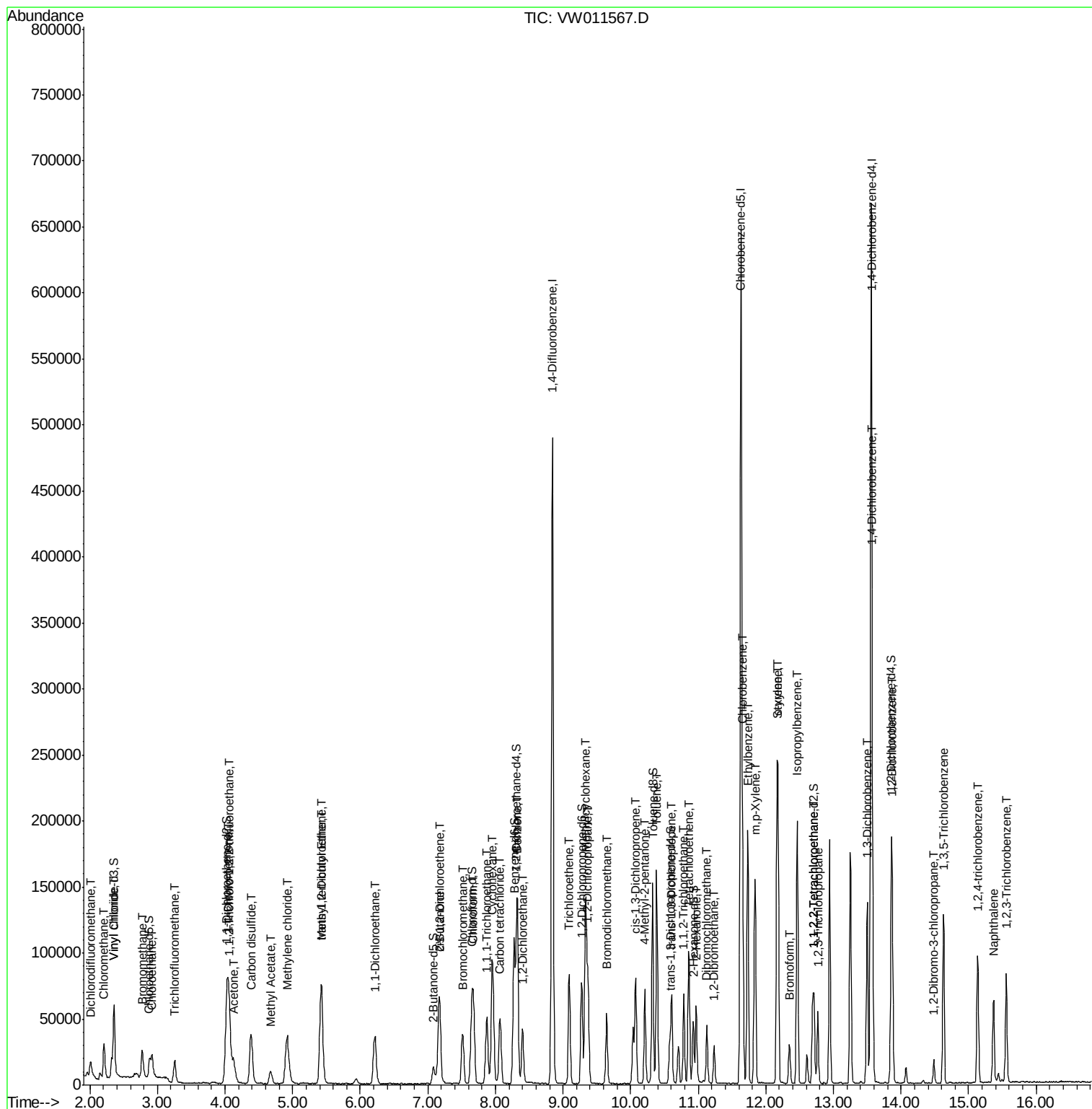
Quant Time: Jul 30 11:21:11 2019

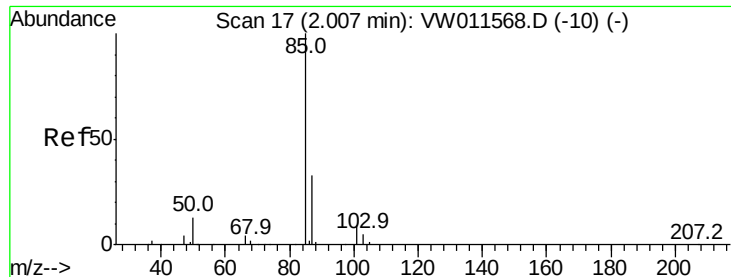
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\SOM2WLM073019S.M

Quant Title : VOC Analysis

QLast Update : Tue Jul 30 11:14:39 2019

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#2

Dichlorodifluoromethane

Concen: 4.016 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

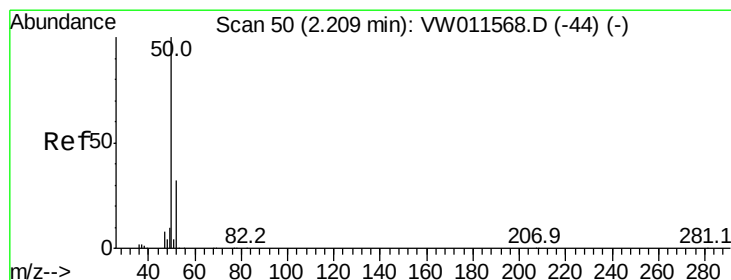
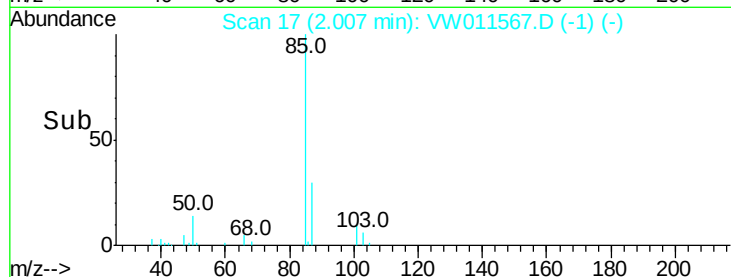
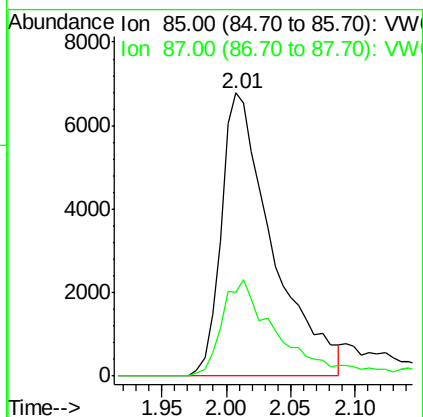
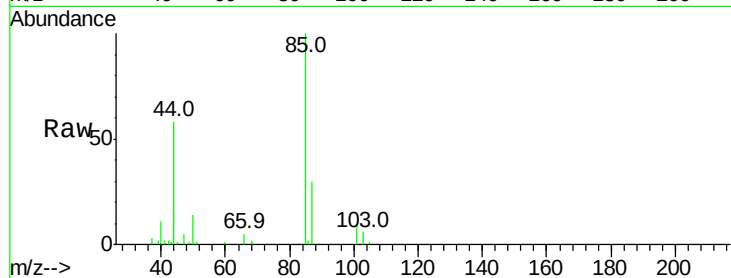
VSTD00506

Tgt Ion: 85 Resp: 18791

Ion Ratio Lower Upper

85 100

87 34.4 21.8 40.6



#3

Chloromethane

Concen: 4.751 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011567.D

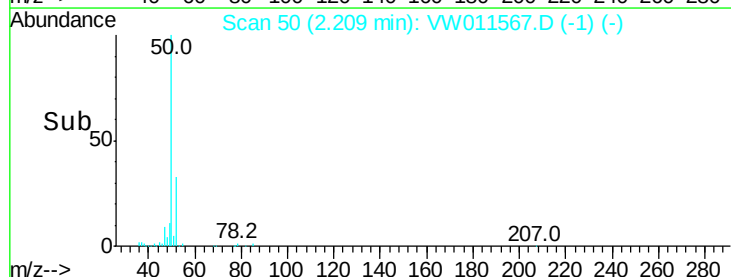
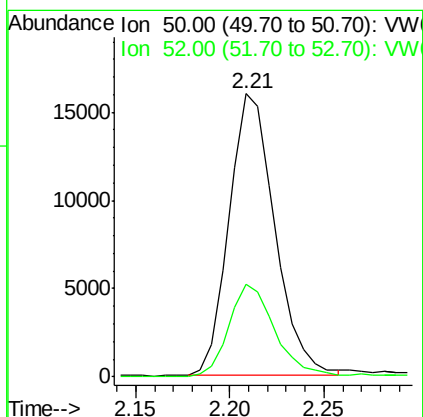
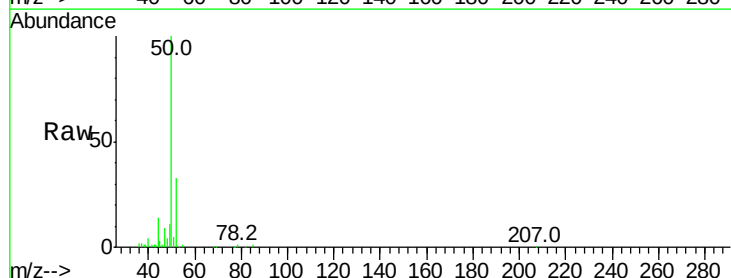
Acq: 30 Jul 2019 09:56

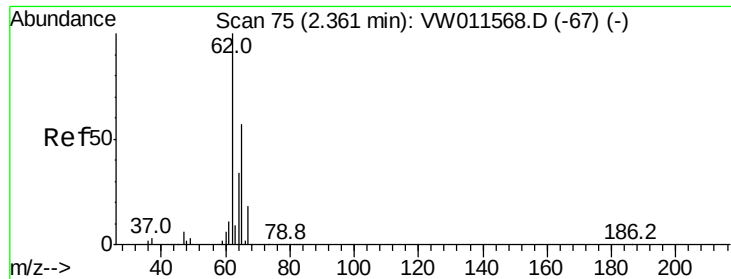
Tgt Ion: 50 Resp: 26971

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.1





#5

Vinyl chloride

Concen: 5.313 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

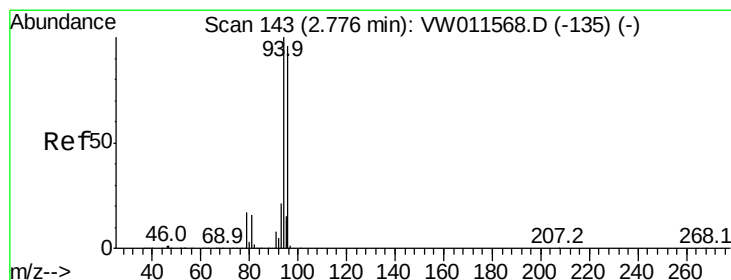
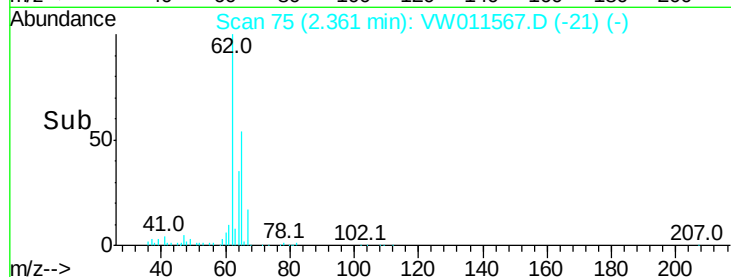
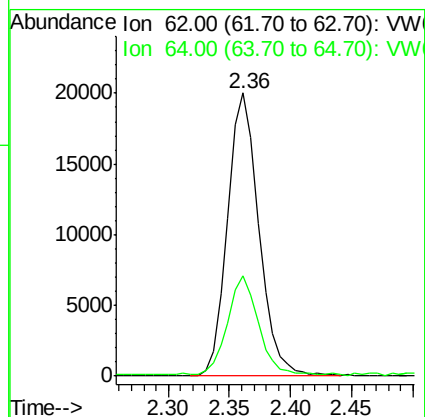
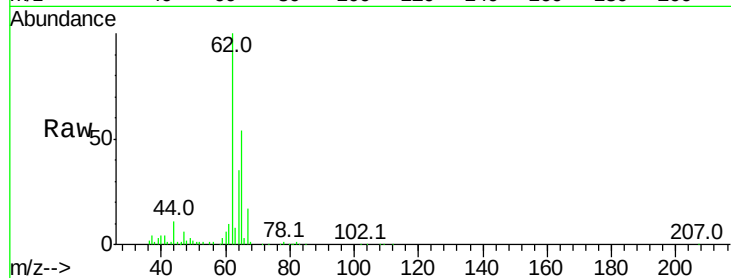
VSTD00506

Tgt Ion: 62 Resp: 35521

Ion Ratio Lower Upper

62 100

64 35.2 23.6 43.8



#6

Bromomethane

Concen: 5.136 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011567.D

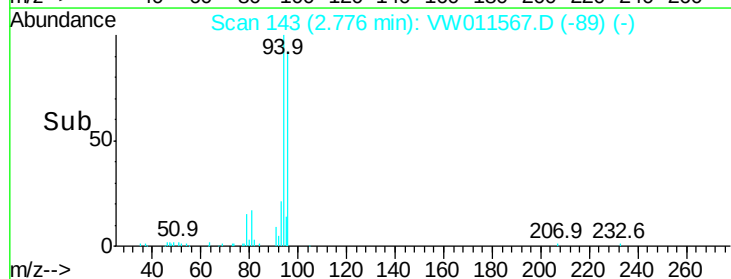
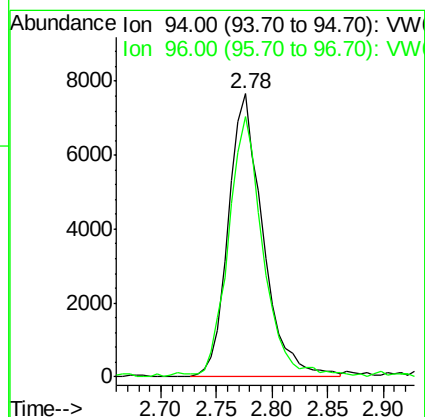
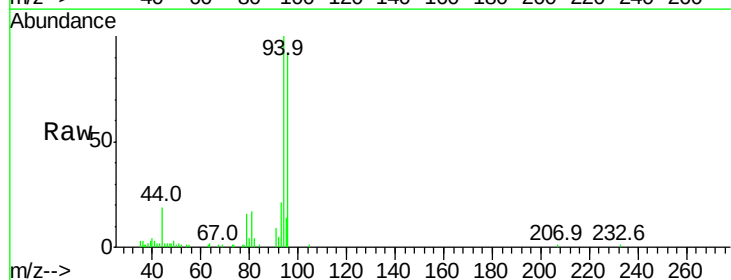
Acq: 30 Jul 2019 09:56

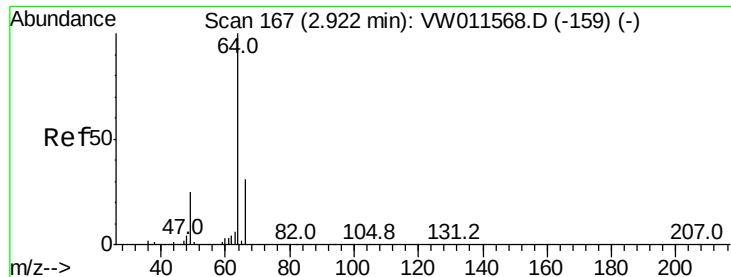
Tgt Ion: 94 Resp: 16577

Ion Ratio Lower Upper

94 100

96 87.2 9.3 175.9





#8

Chloroethane

Concen: 5.079 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

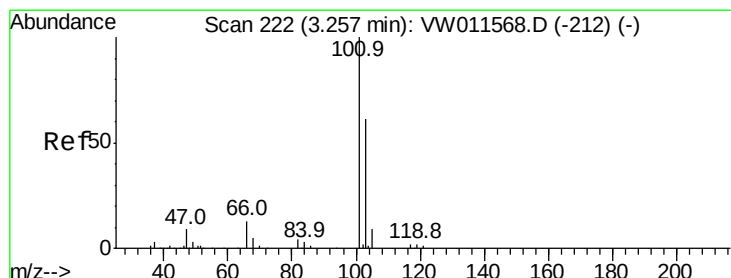
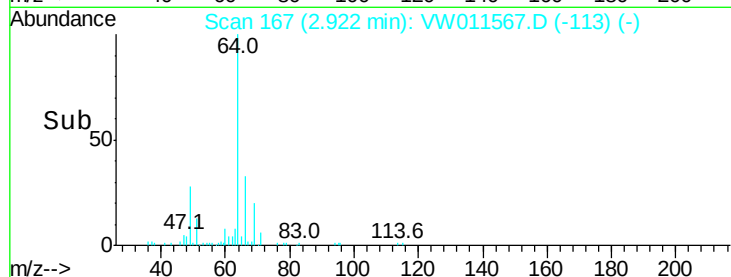
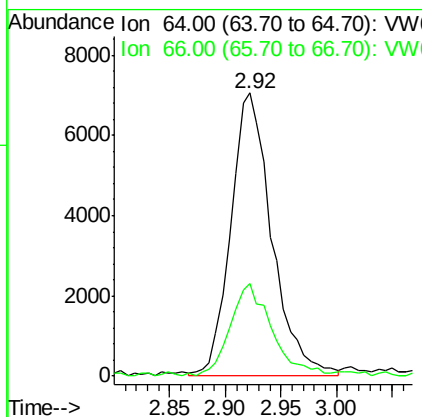
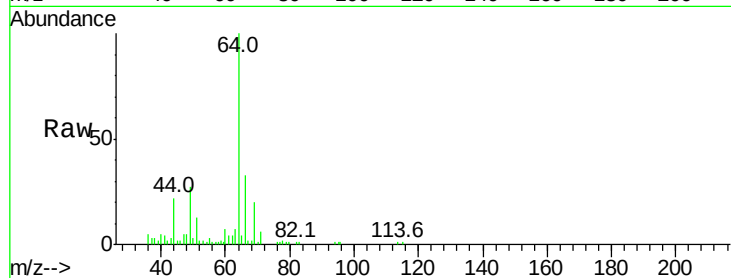
VSTD00506

Tgt Ion: 64 Resp: 18080

Ion Ratio Lower Upper

64 100

66 32.8 22.0 40.8



#9

Trichlorofluoromethane

Concen: 5.213 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW011567.D

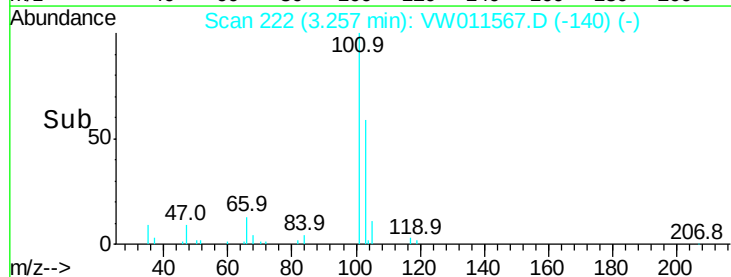
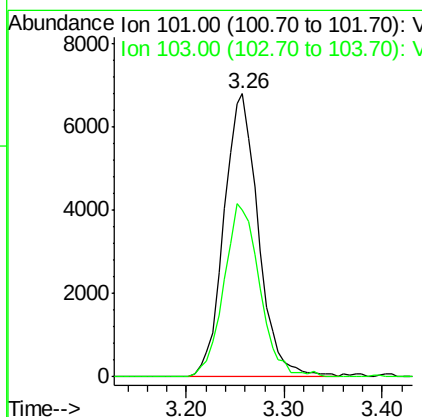
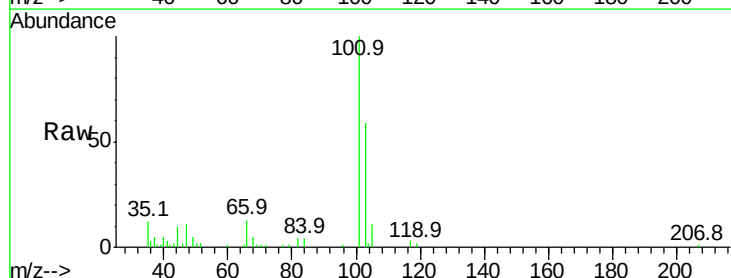
Acq: 30 Jul 2019 09:56

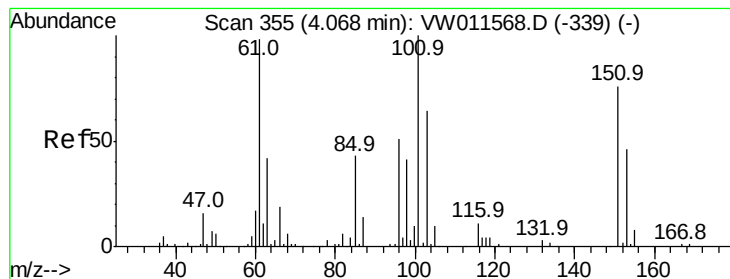
Tgt Ion: 101 Resp: 16575

Ion Ratio Lower Upper

101 100

103 62.8 44.3 82.3





#11

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

Concen: 5.093 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

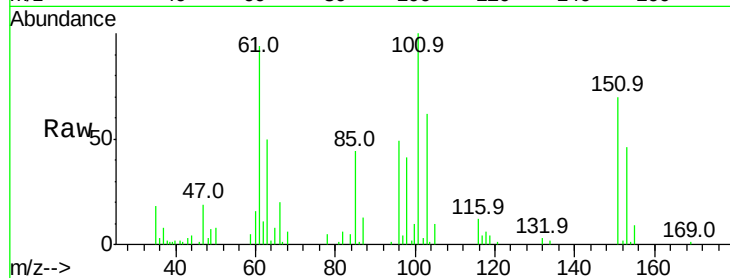
Tgt Ion:101 Resp: 25990

Ion Ratio Lower Upper

101 100

85 43.4 37.0 55.4

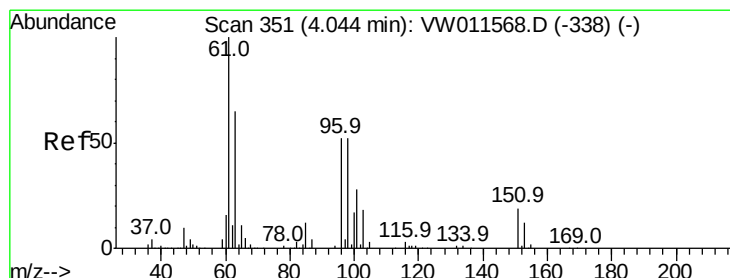
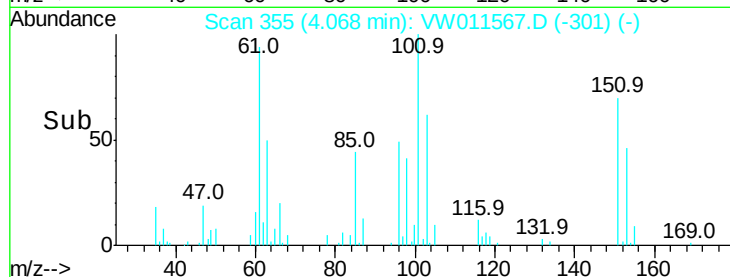
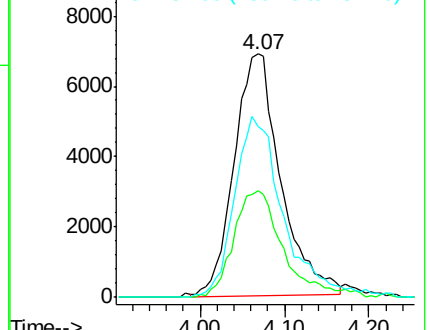
151 77.4 60.8 91.2



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: 5.218 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

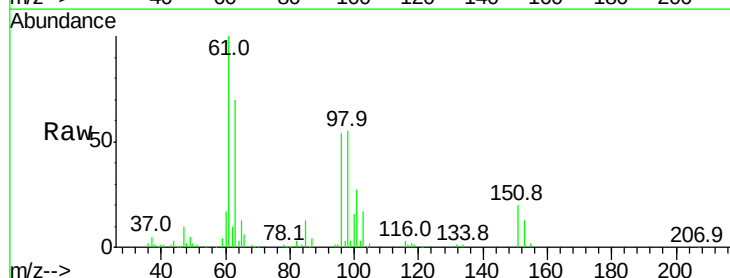
Tgt Ion: 96 Resp: 26581

Ion Ratio Lower Upper

96 100

61 186.0 135.0 250.8

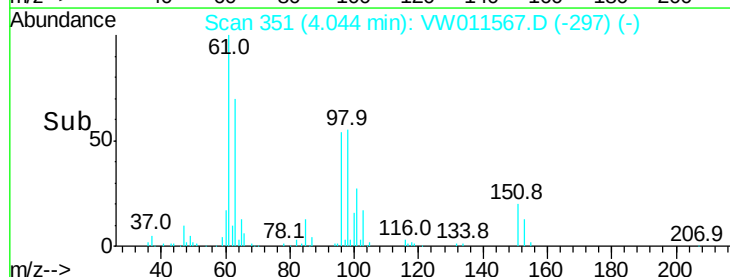
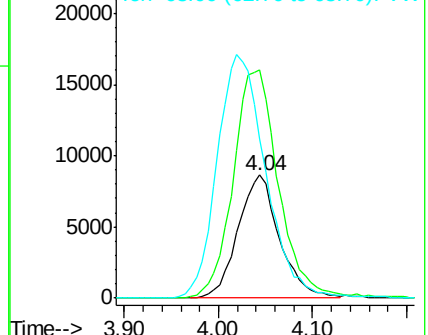
63 129.7 89.2 165.8

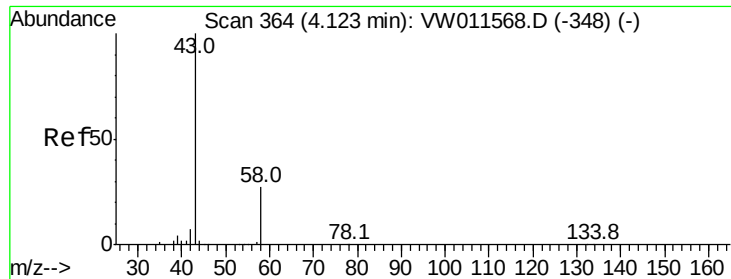


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 10.524 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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Instrument :

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ClientSampleId :

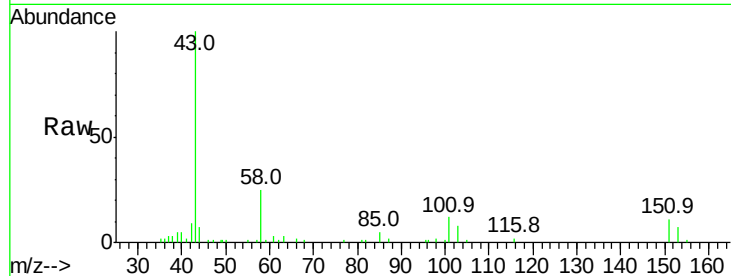
VSTD00506

Tgt Ion: 43 Resp: 24276

Ion Ratio Lower Upper

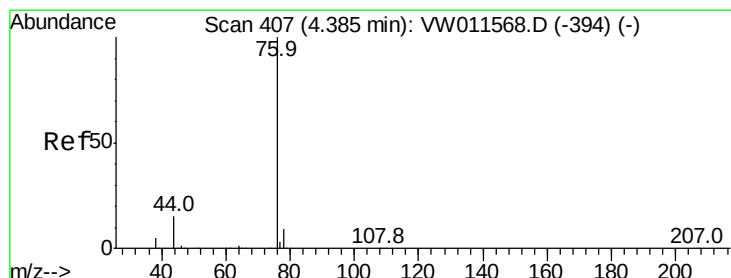
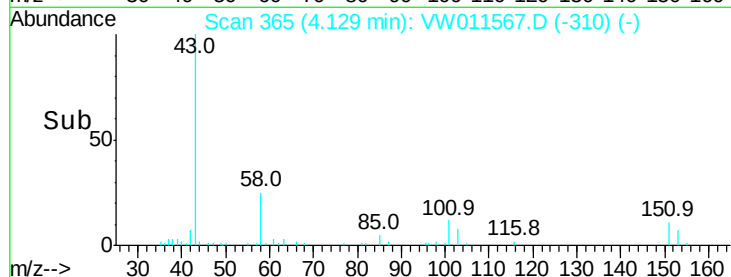
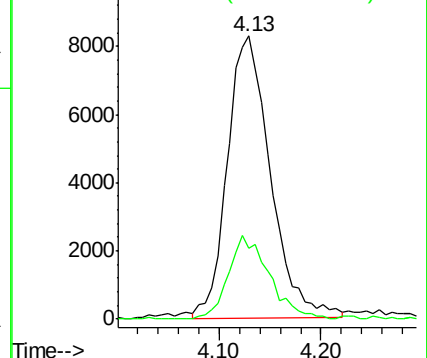
43 100

58 28.1 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.089 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW011567.D

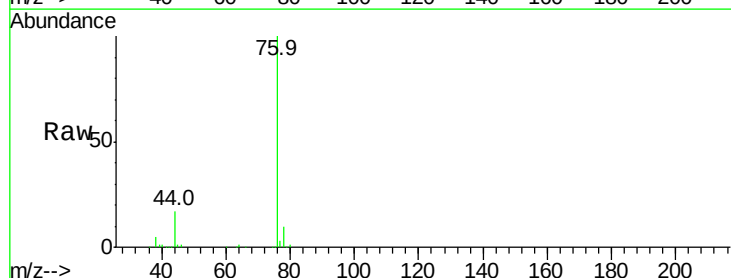
Acq: 30 Jul 2019 09:56

Tgt Ion: 76 Resp: 84060

Ion Ratio Lower Upper

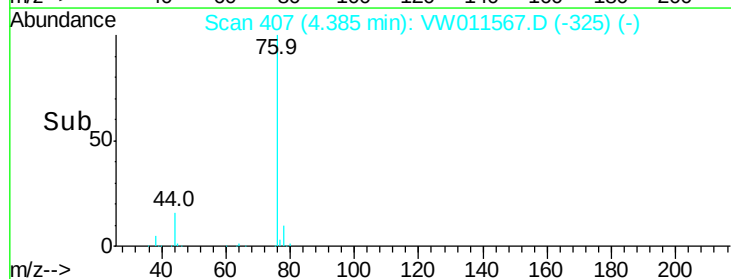
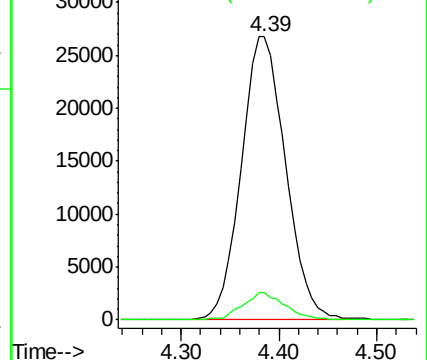
76 100

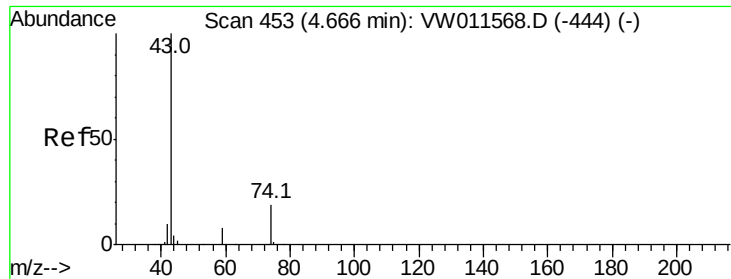
78 9.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

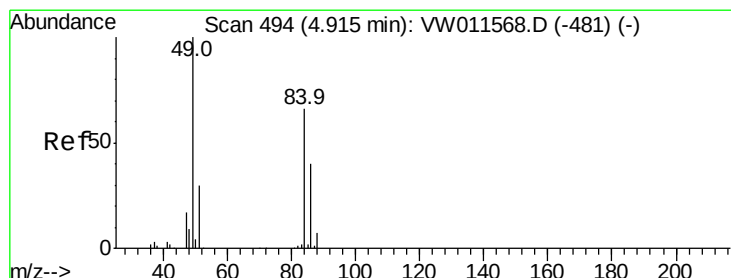
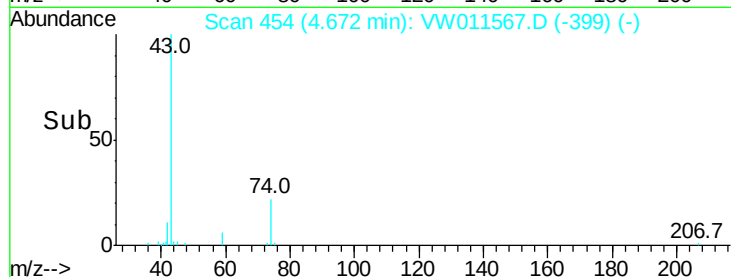
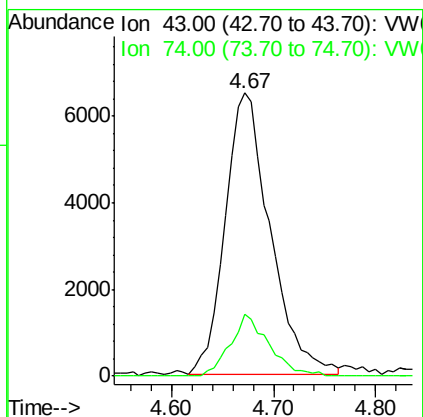
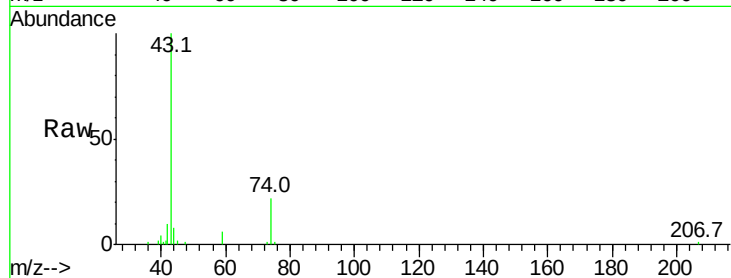




#15
Methyl Acetate
Concen: 5.593 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011567.D
Acq: 30 Jul 2019 09:56

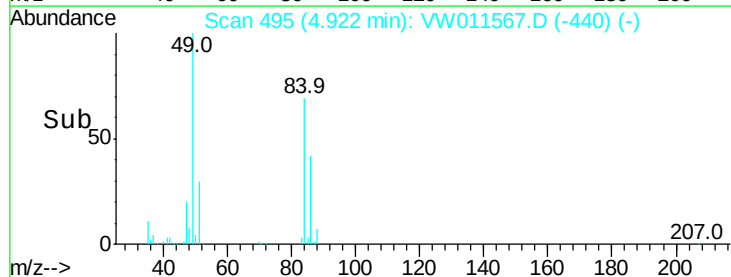
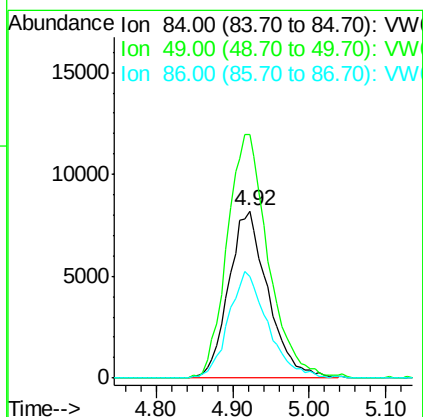
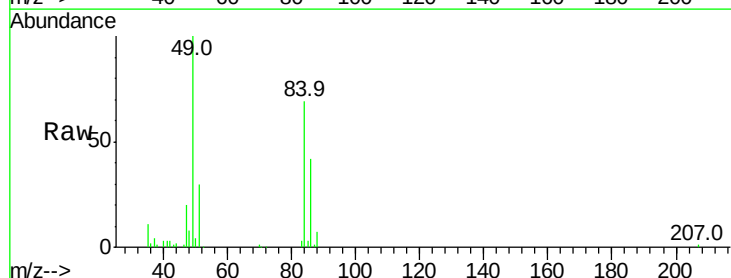
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

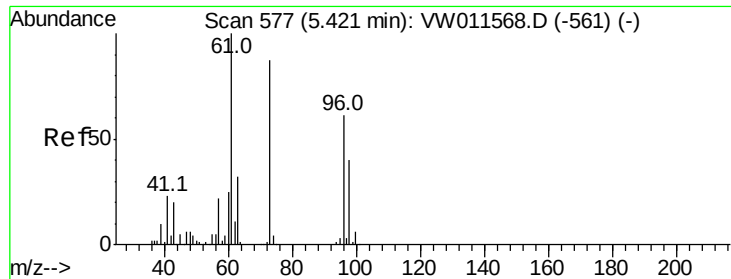
Tgt Ion: 43 Resp: 19808
Ion Ratio Lower Upper
43 100
74 18.3 15.0 22.4



#16
Methylene chloride
Concen: 5.256 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW011567.D
Acq: 30 Jul 2019 09:56

Tgt Ion: 84 Resp: 29343
Ion Ratio Lower Upper
84 100
49 145.5 106.8 198.4
86 60.9 42.8 79.4

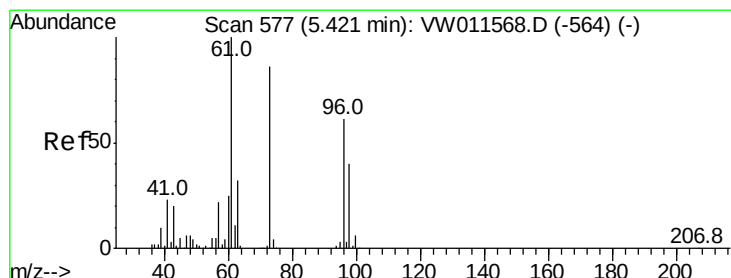
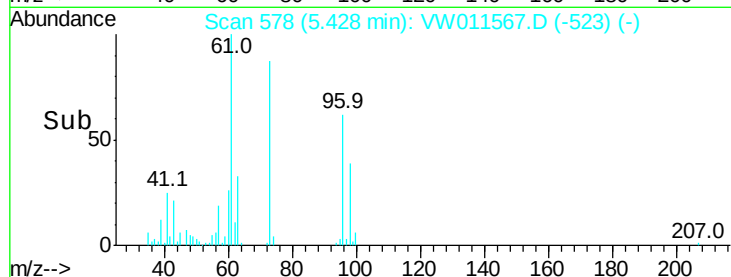
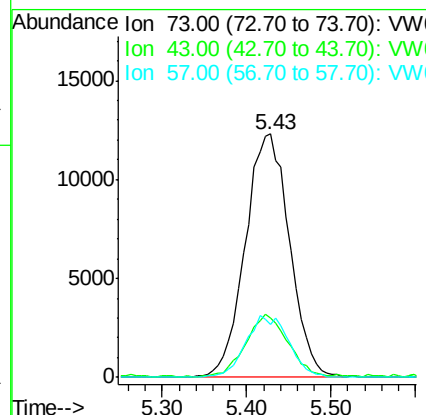
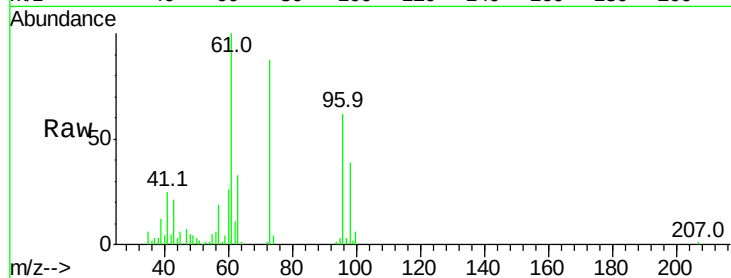




#17
Methyl tert-butyl Ether
Concen: 5.457 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW011567.D
Acq: 30 Jul 2019 09:56

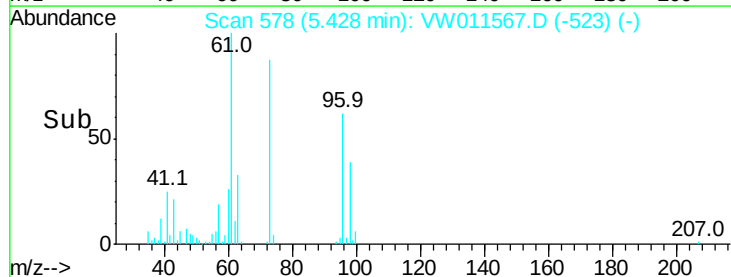
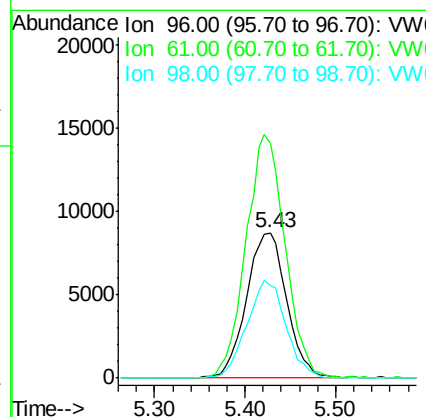
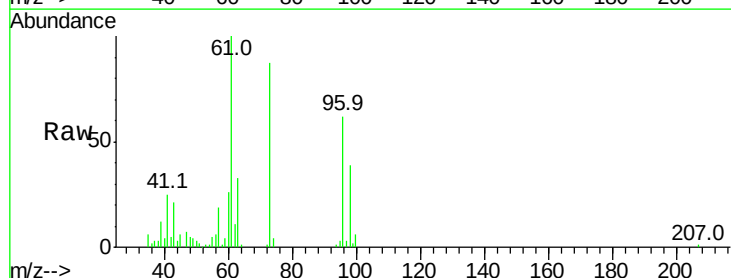
Instrument :
MSVOA_W
ClientSampled :
VSTD00506

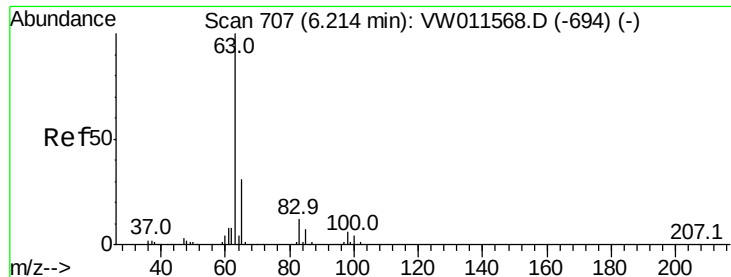
Tgt Ion: 73 Resp: 43948
Ion Ratio Lower Upper
73 100
43 24.9 19.3 28.9
57 14.6 19.7 29.5#



#18
trans-1,2-Dichloroethene
Concen: 5.104 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW011567.D
Acq: 30 Jul 2019 09:56

Tgt Ion: 96 Resp: 26811
Ion Ratio Lower Upper
96 100
61 161.2 114.2 212.0
98 63.3 45.6 84.6





#19

1,1-Dichloroethane

Concen: 5.218 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

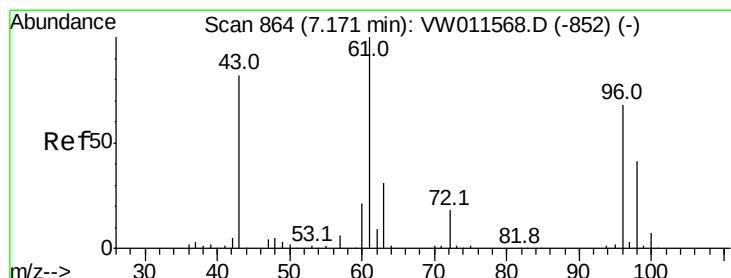
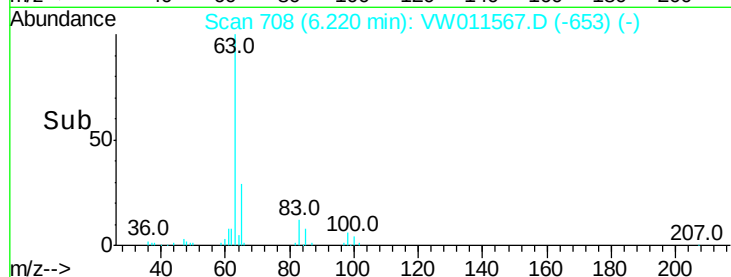
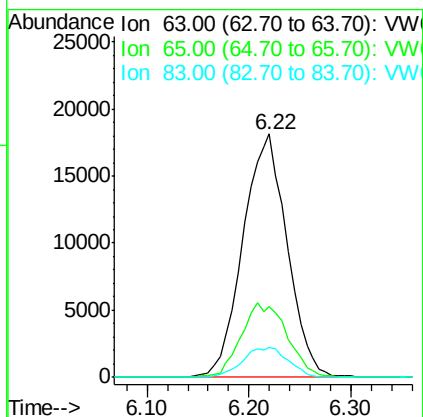
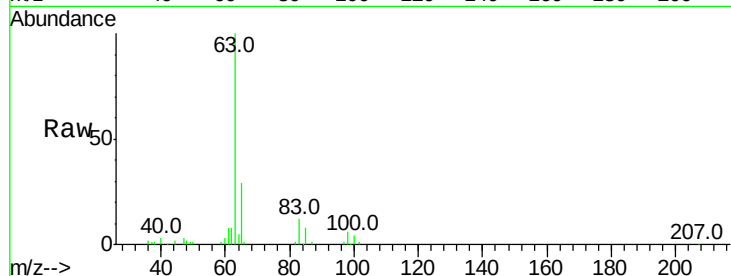
Tgt Ion: 63 Resp: 54452

Ion Ratio Lower Upper

63 100

65 28.8 21.7 40.3

83 12.2 8.4 15.6



#21

2-Butanone

Concen: 9.788 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011567.D

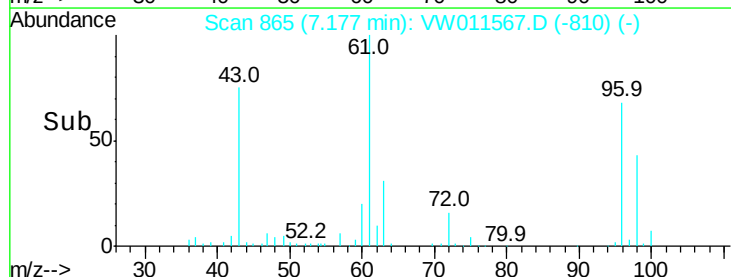
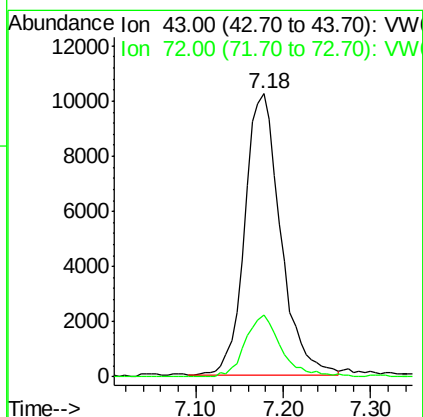
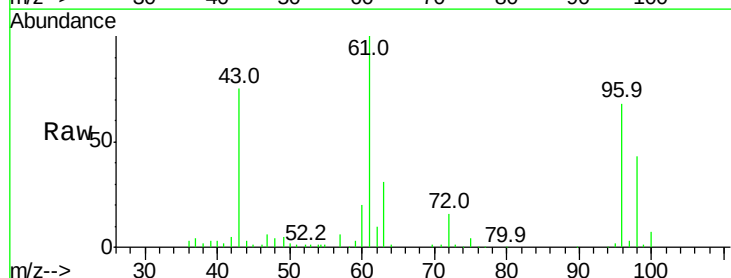
Acq: 30 Jul 2019 09:56

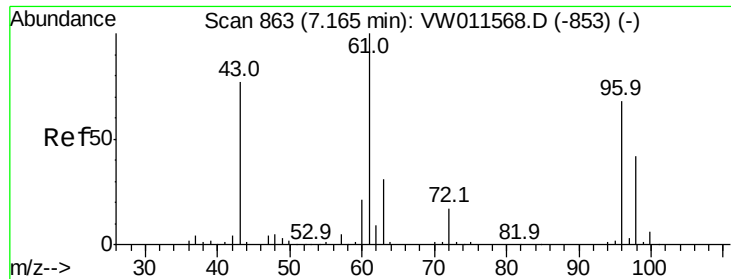
Tgt Ion: 43 Resp: 29016

Ion Ratio Lower Upper

43 100

72 21.3 10.7 32.1





#22

cis-1,2-Dichloroethene

Concen: 5.157 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampled :

VSTD00506

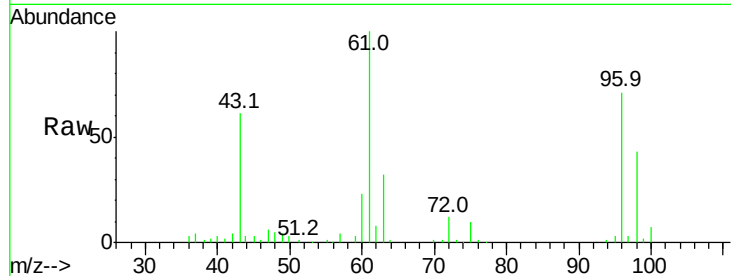
Tgt Ion: 96 Resp: 28700

Ion Ratio Lower Upper

96 100

61 140.2 103.9 192.9

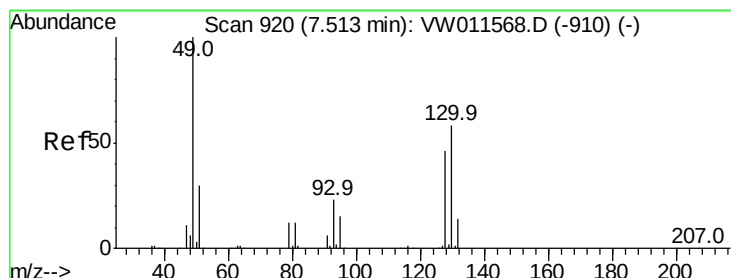
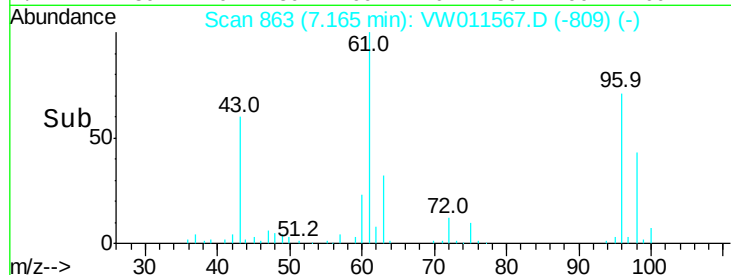
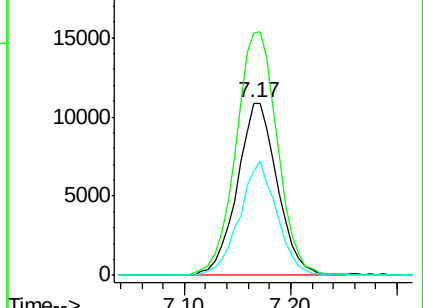
98 60.4 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 5.086 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Tgt Ion: 128 Resp: 11830

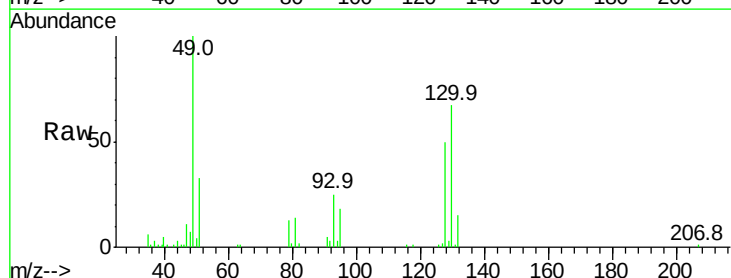
Ion Ratio Lower Upper

128 100

49 201.4 153.6 285.3

130 134.2 89.5 166.3

51 66.6 53.0 79.6

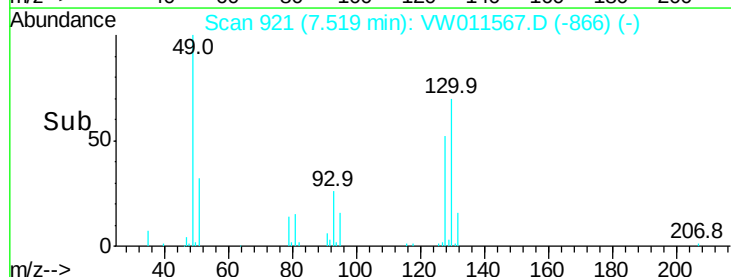
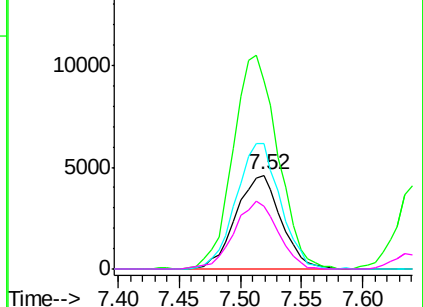


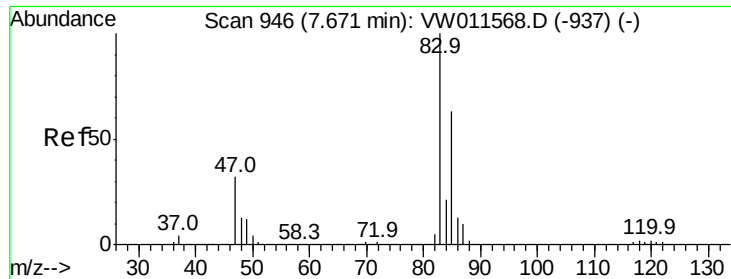
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

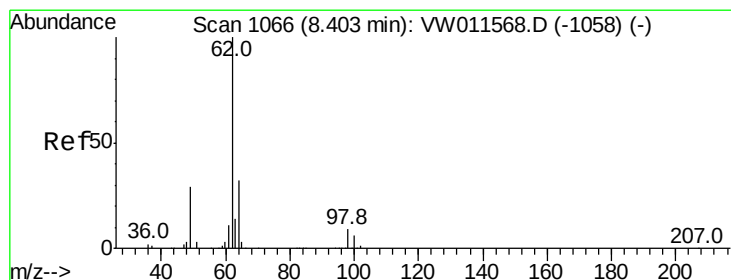
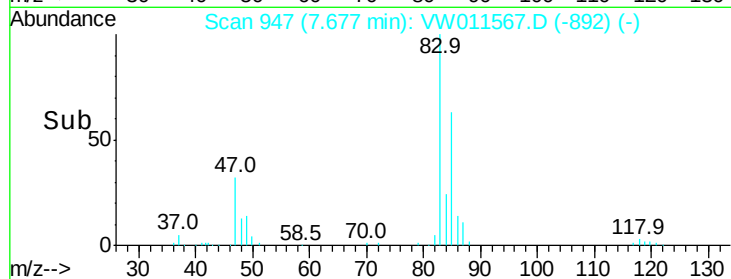
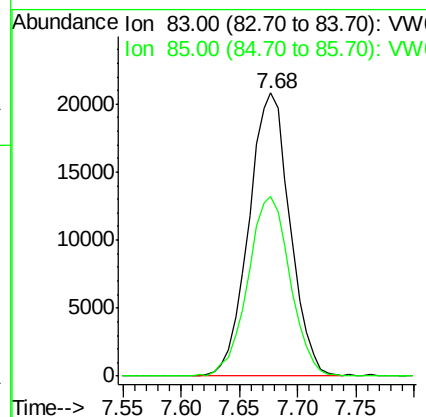
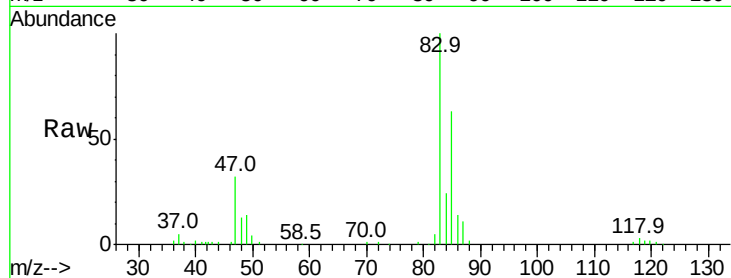




#25
Chloroform
Concen: 5.327 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011567.D
Acq: 30 Jul 2019 09:56

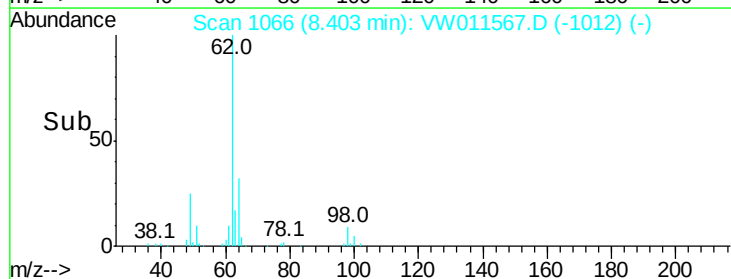
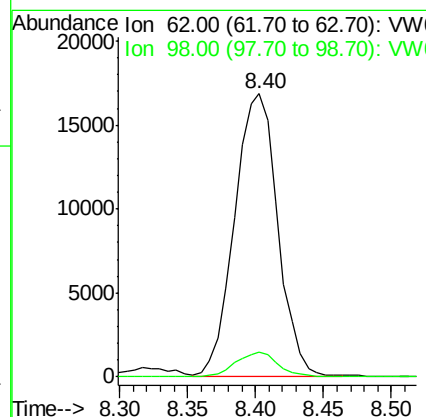
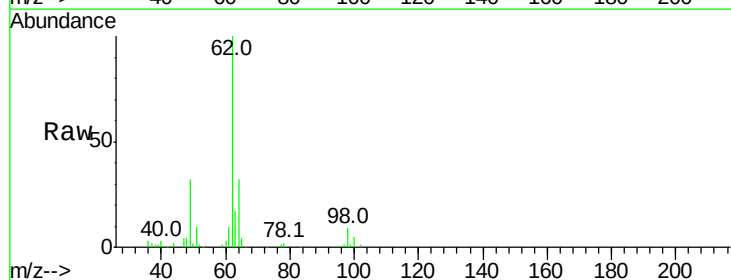
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

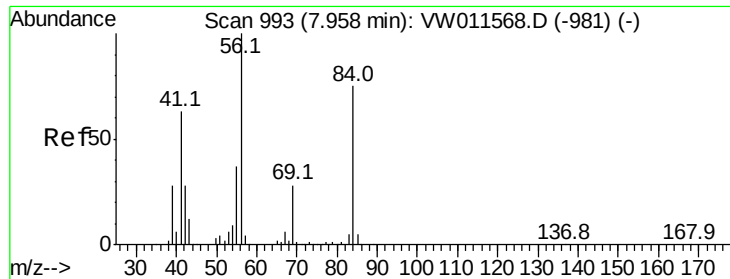
Tgt Ion: 83 Resp: 51204
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.339 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW011567.D
Acq: 30 Jul 2019 09:56

Tgt Ion: 62 Resp: 37406
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8

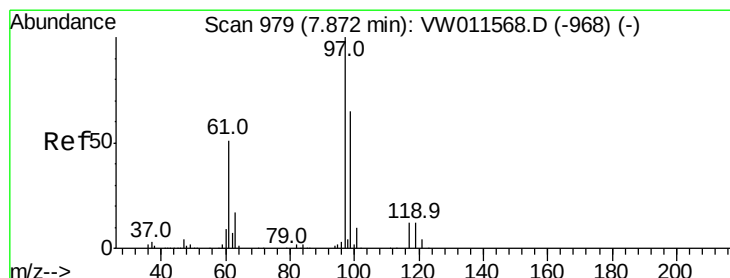
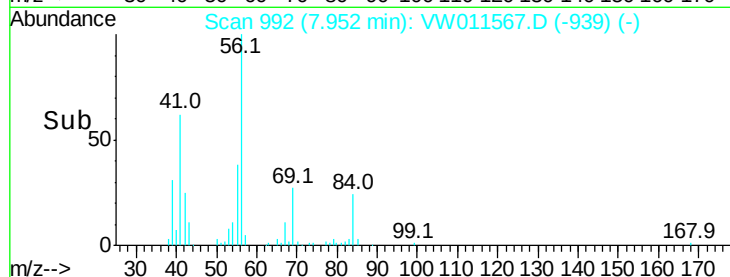
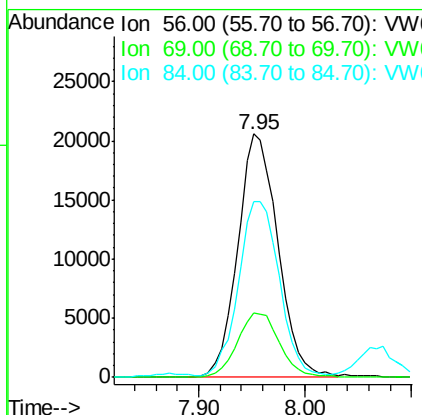
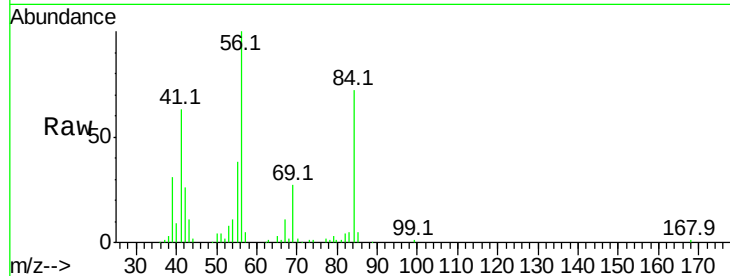




#30
Cyclohexane
Concen: 5.004 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW011567.D
Acq: 30 Jul 2019 09:56

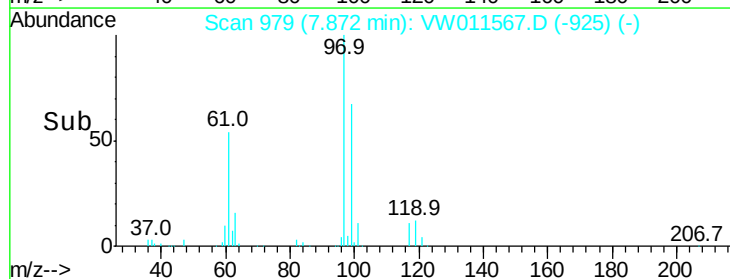
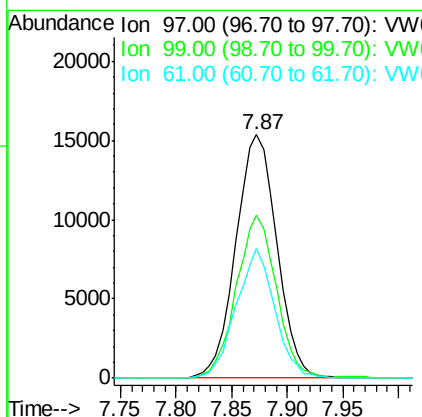
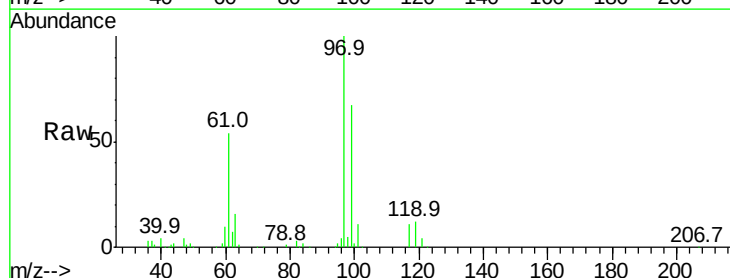
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

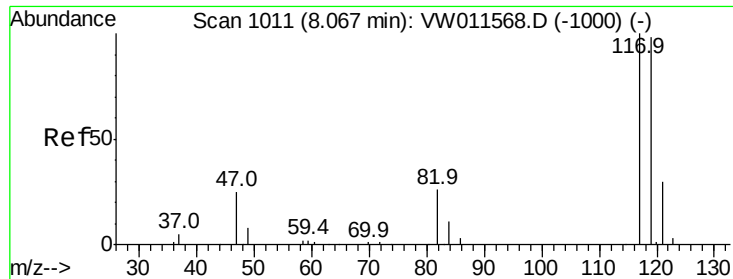
Tgt Ion: 56 Resp: 54559
Ion Ratio Lower Upper
56 100
69 27.5 22.4 33.6
84 73.9 60.6 91.0



#31
1,1,1-Trichloroethane
Concen: 5.285 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011567.D
Acq: 30 Jul 2019 09:56

Tgt Ion: 97 Resp: 39380
Ion Ratio Lower Upper
97 100
99 65.1 52.1 78.1
61 50.1 40.3 60.5





#32

Carbon tetrachloride

Concen: 5.268 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

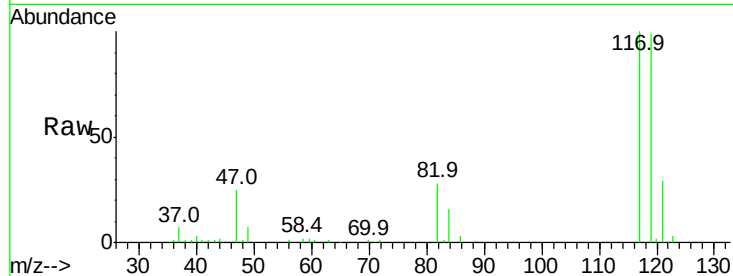
VSTD00506

Tgt Ion:117 Resp: 36480

Ion Ratio Lower Upper

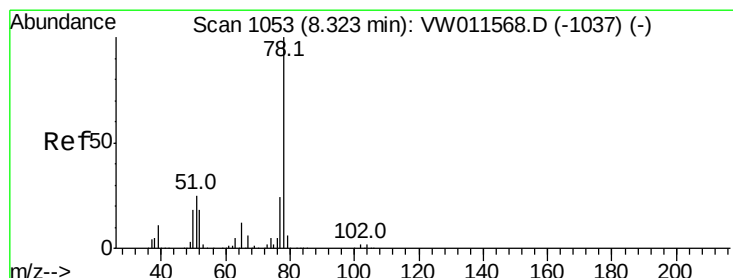
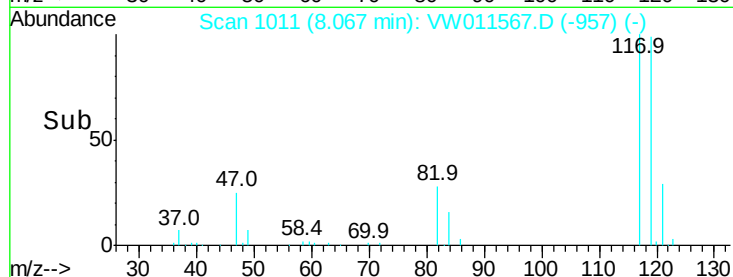
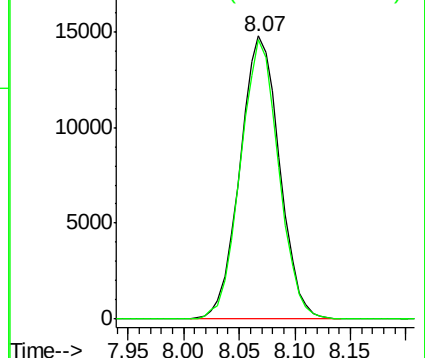
117 100

119 95.2 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.330 ug/L

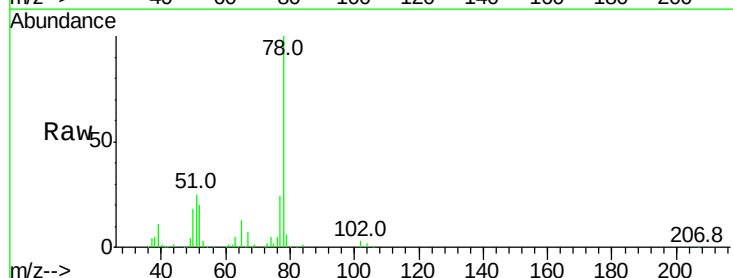
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

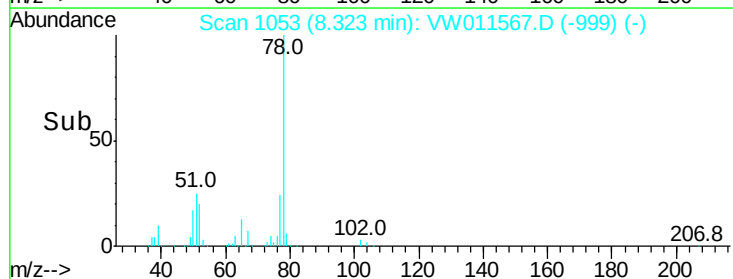
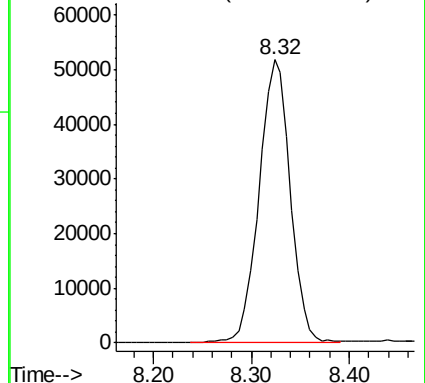
Lab File: VW011567.D

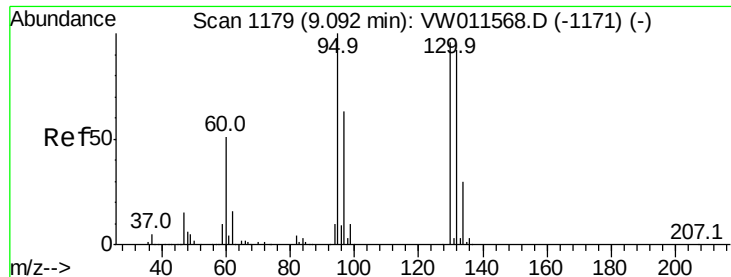
Acq: 30 Jul 2019 09:56

Tgt Ion: 78 Resp: 115816



Abundance Ion 78.00 (77.70 to 78.70): VW

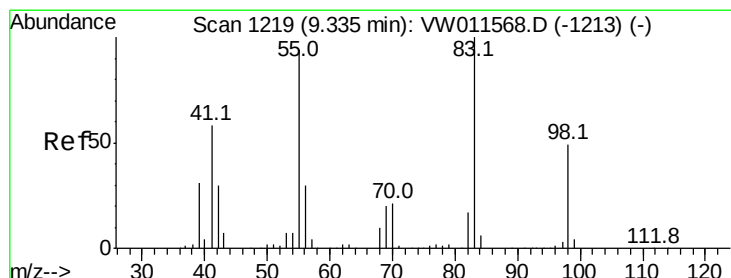
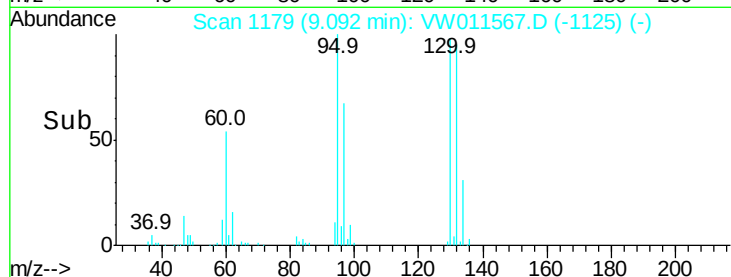
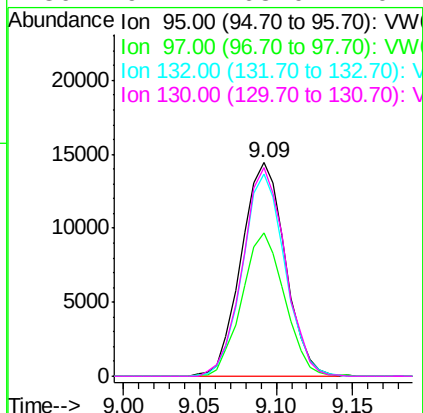
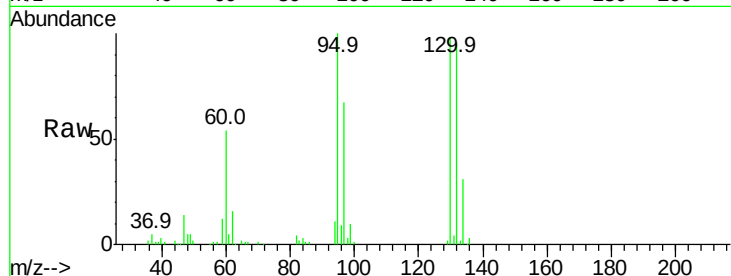




#35
 Trichloroethene
 Concen: 5.232 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

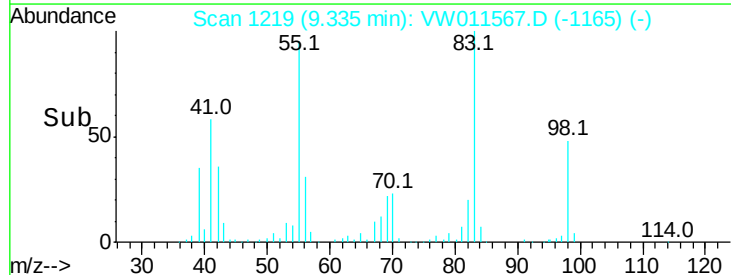
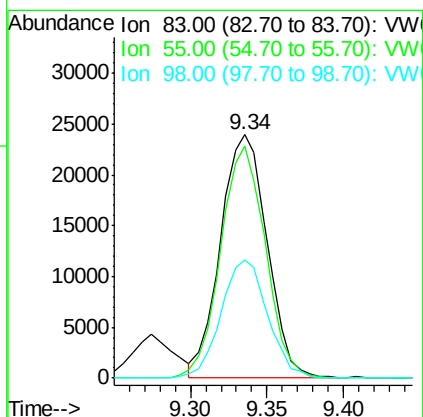
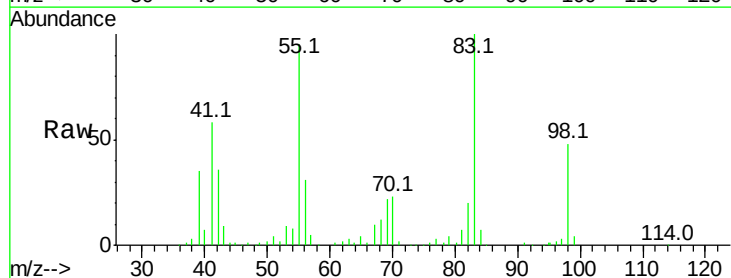
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

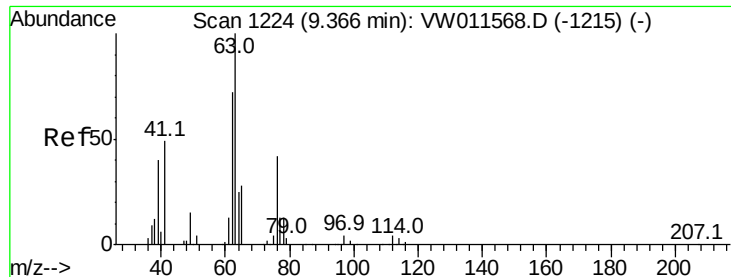
Tgt Ion: 95 Resp: 28898
 Ion Ratio Lower Upper
 95 100
 97 65.0 44.8 83.2
 132 91.5 65.0 120.6
 130 94.7 68.0 126.4



#36
 Methylcyclohexane
 Concen: 5.041 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

Tgt Ion: 83 Resp: 50624
 Ion Ratio Lower Upper
 83 100
 55 91.9 72.6 108.8
 98 48.5 37.8 56.6





#40

1,2-Dichloropropane

Concen: 5.249 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

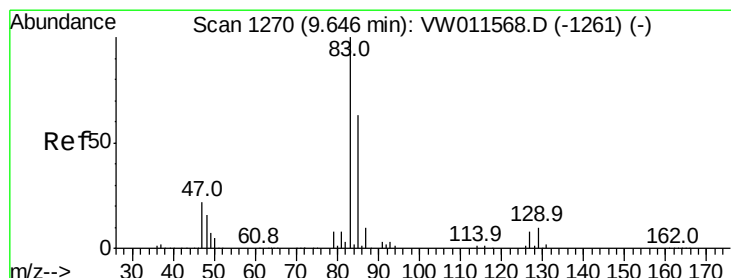
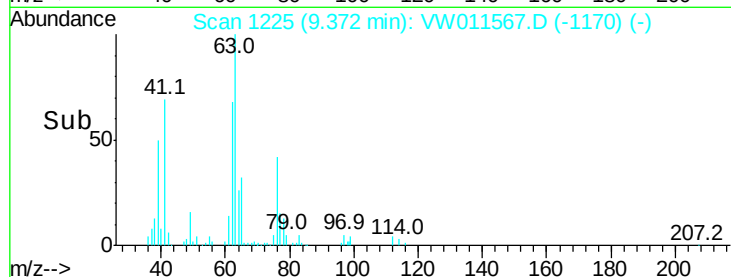
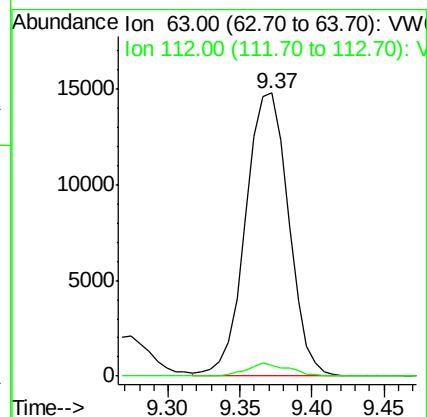
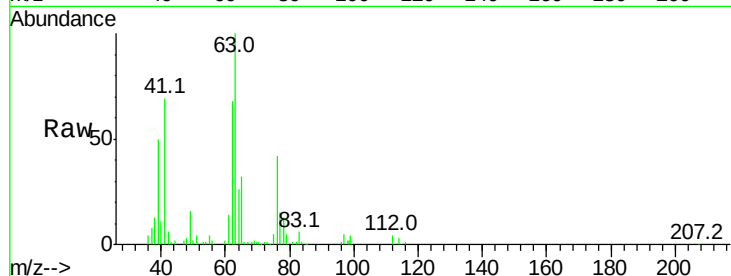
VSTD00506

Tgt Ion: 63 Resp: 30646

Ion Ratio Lower Upper

63 100

112 4.4 3.1 4.7



#41

Bromodichloromethane

Concen: 5.093 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

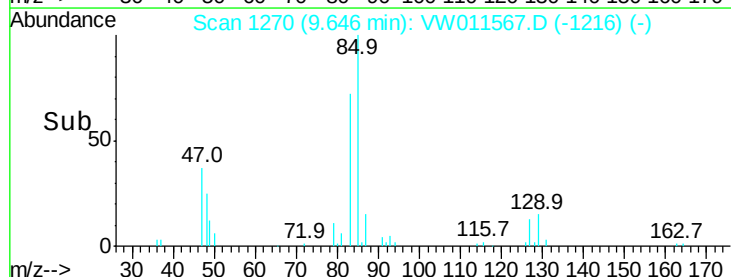
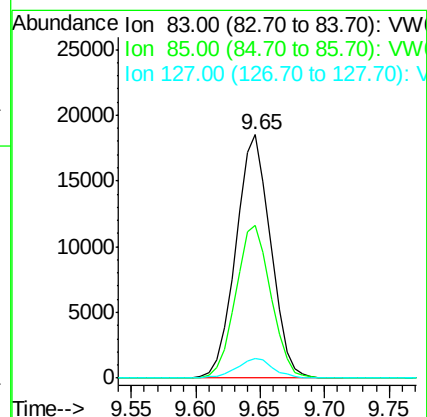
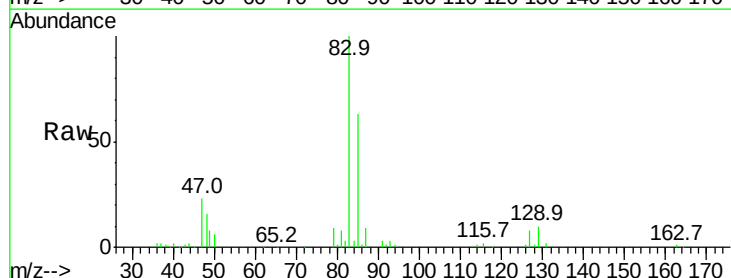
Tgt Ion: 83 Resp: 34764

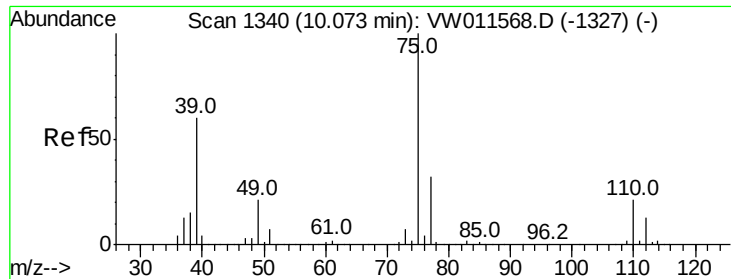
Ion Ratio Lower Upper

83 100

85 62.7 44.0 81.6

127 8.1 6.5 9.7

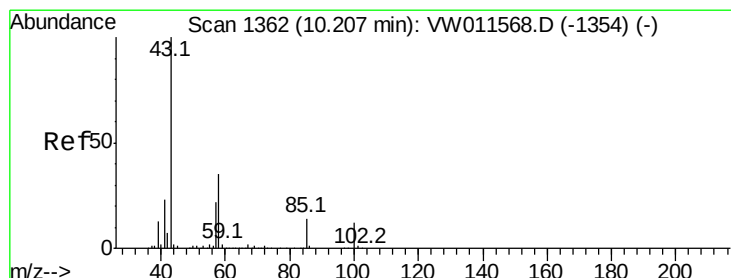
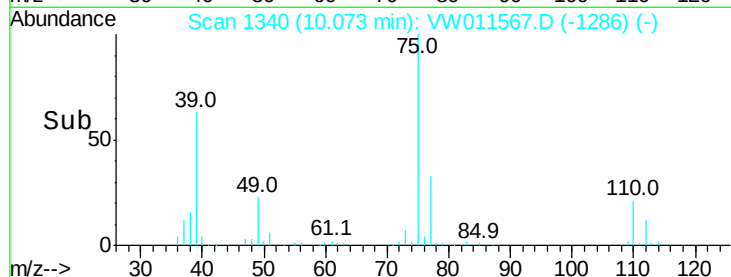
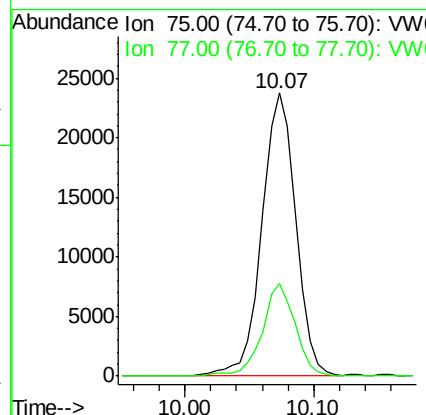
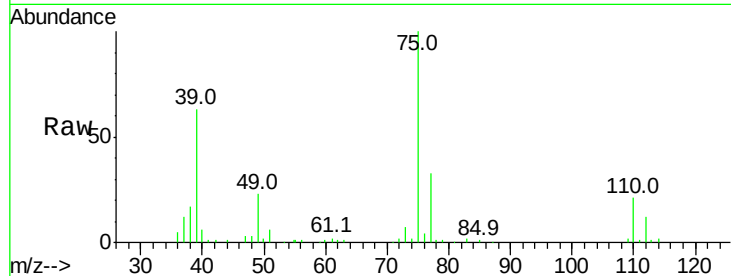




#42
 cis-1,3-Dichloropropene
 Concen: 4.945 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

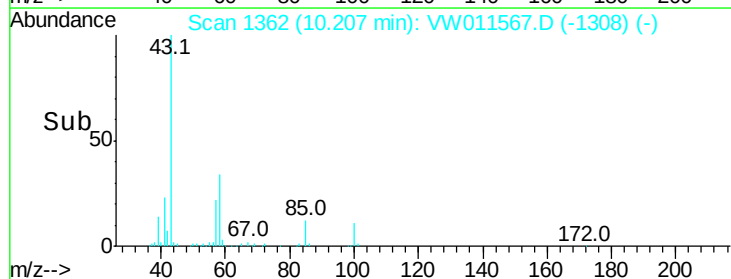
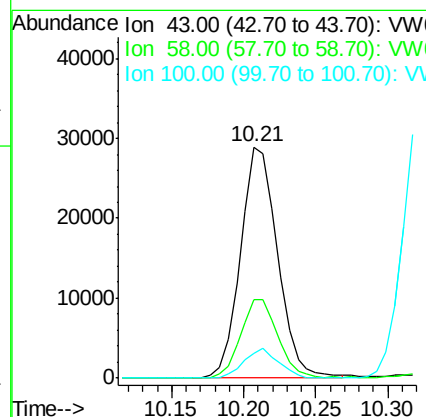
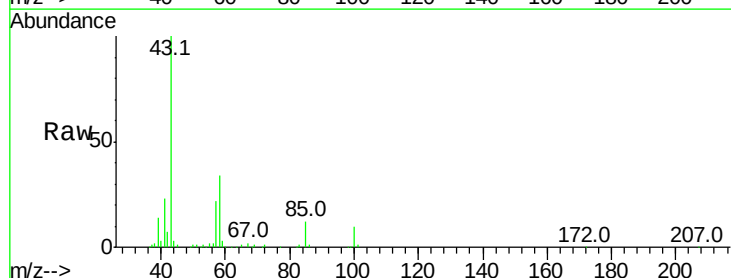
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00506

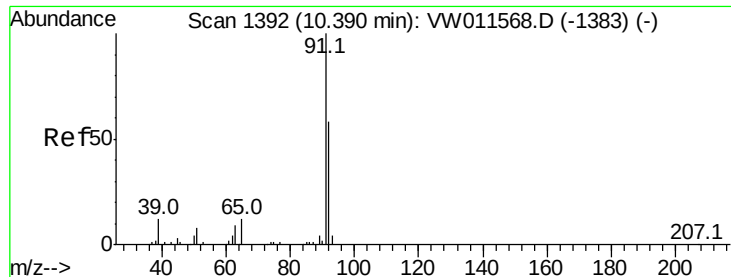
Tgt Ion: 75 Resp: 43372
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 10.346 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

Tgt Ion: 43 Resp: 51707
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.0 42.0
 100 12.1 9.4 14.2





#44

Toluene

Concen: 5.163 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

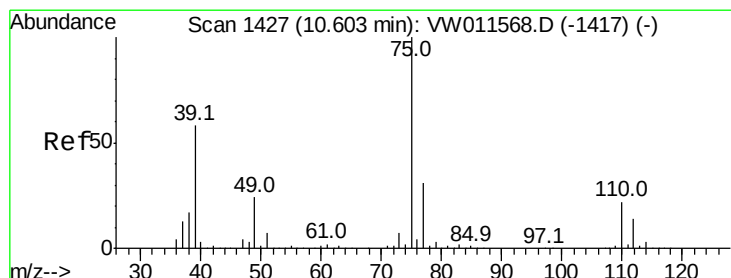
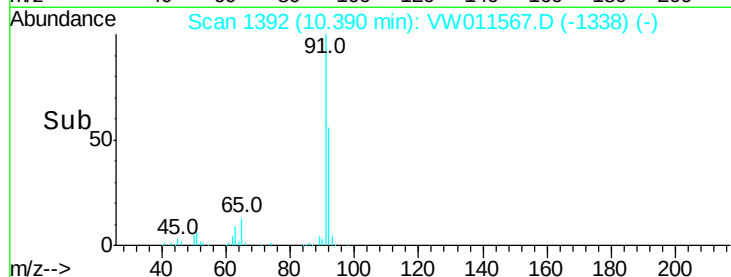
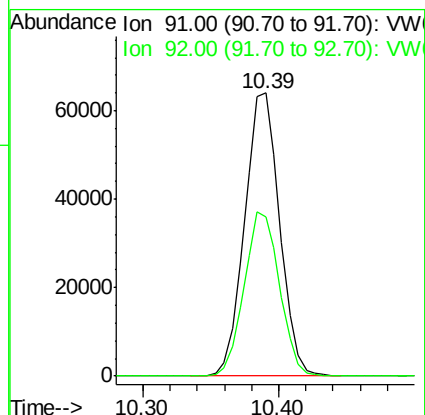
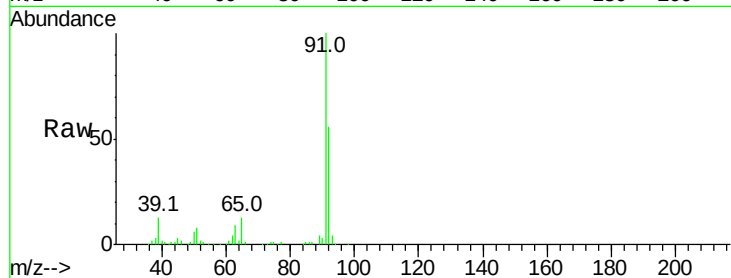
VSTD00506

Tgt Ion: 91 Resp: 115082

Ion Ratio Lower Upper

91 100

92 56.3 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 5.050 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011567.D

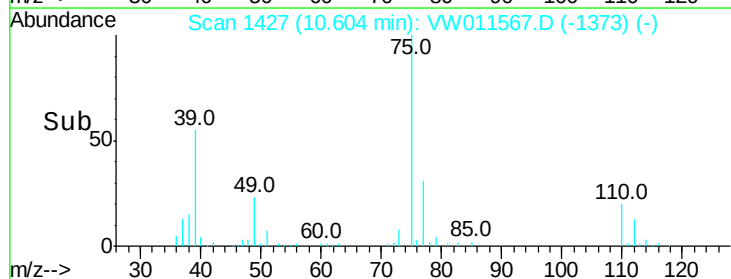
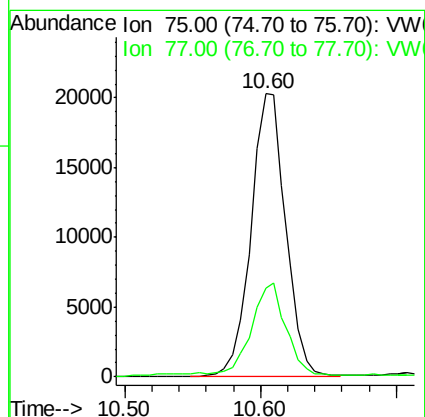
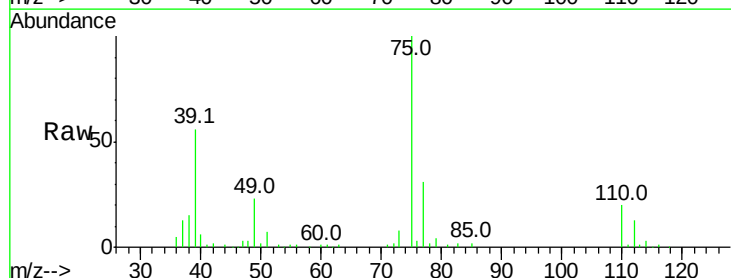
Acq: 30 Jul 2019 09:56

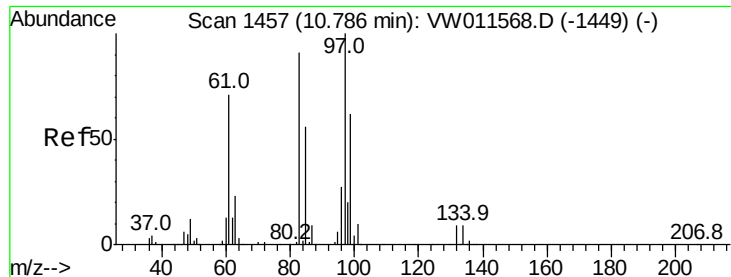
Tgt Ion: 75 Resp: 36401

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 5.286 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampled :

VSTD00506

Tgt Ion: 97 Resp: 20657

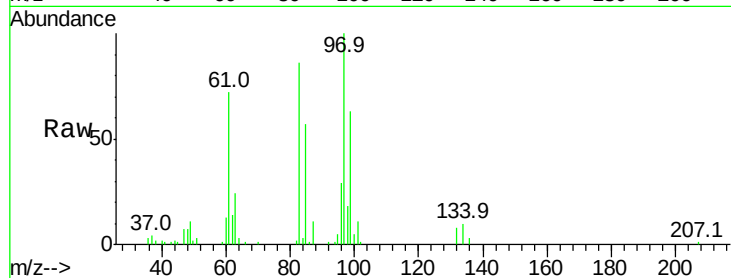
Ion Ratio Lower Upper

97 100

83 86.4 63.8 118.6

85 56.7 39.3 72.9

99 62.8 43.5 80.7

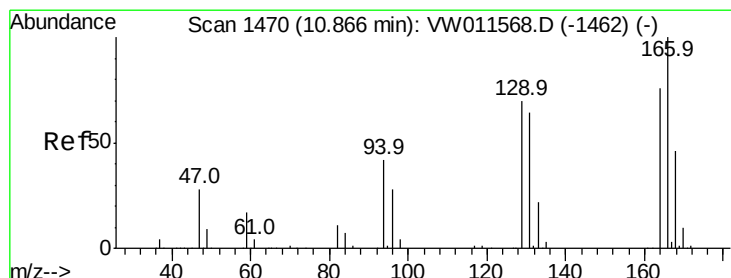
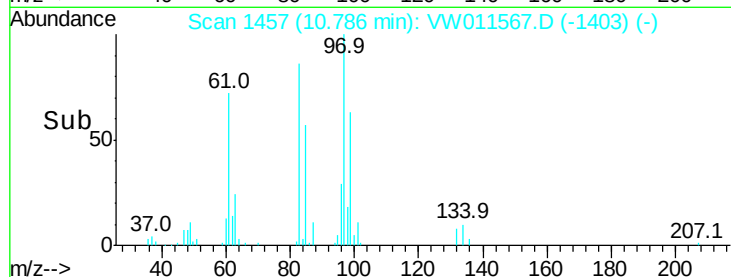
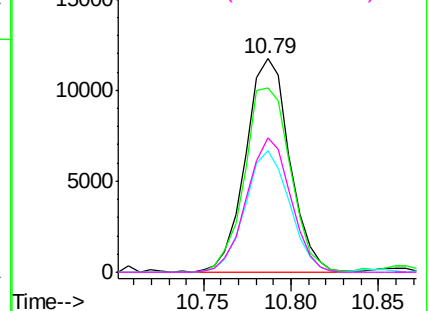


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 5.319 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Tgt Ion: 164 Resp: 22536

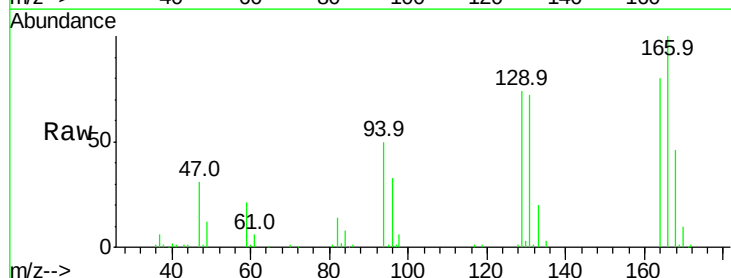
Ion Ratio Lower Upper

164 100

129 93.3 64.0 119.0

131 89.7 58.6 108.8

166 125.3 91.7 170.3

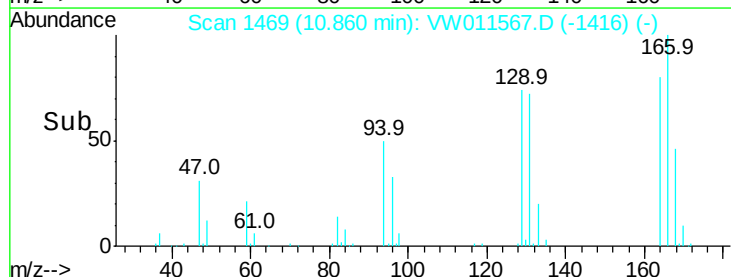
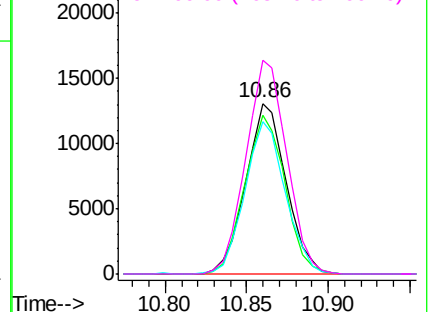


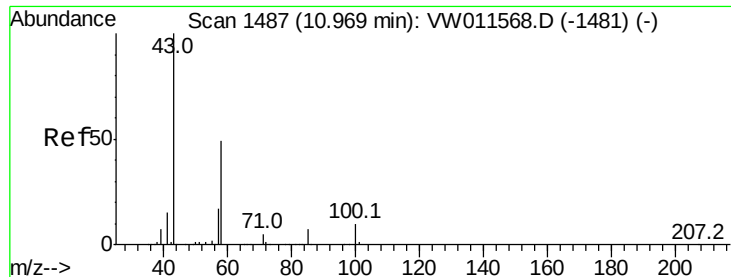
Abundance Ion 164.00 (163.70 to 164.70): V

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

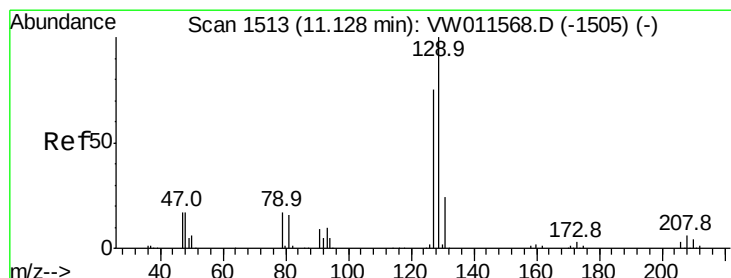
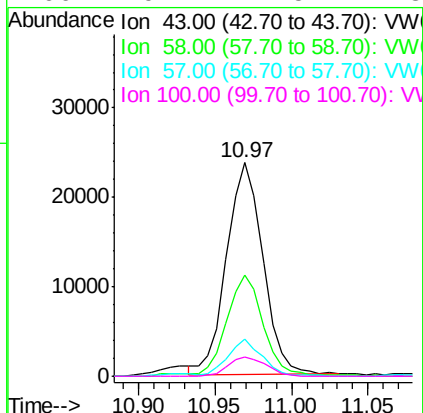
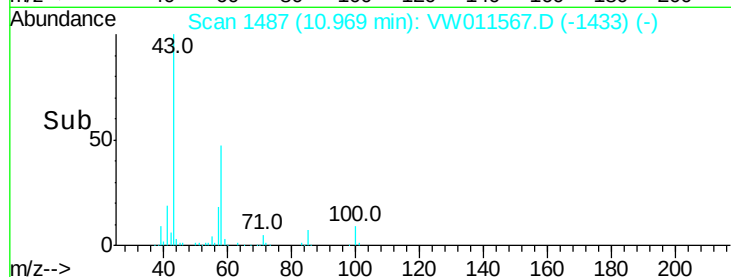
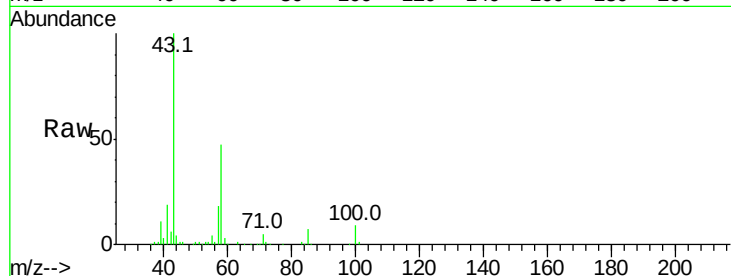




#49
2-Hexanone
Concen: 10.304 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011567.D
Acq: 30 Jul 2019 09:56

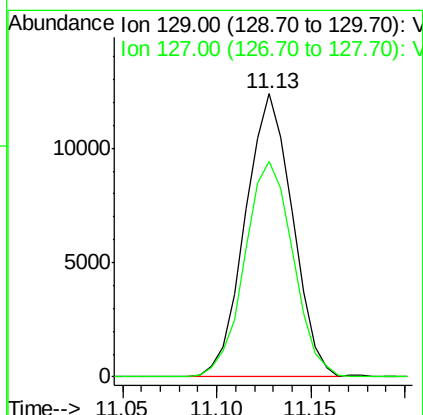
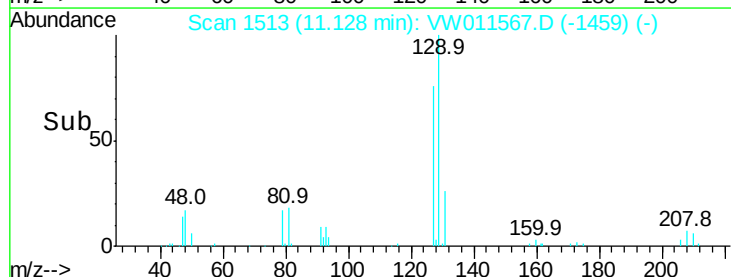
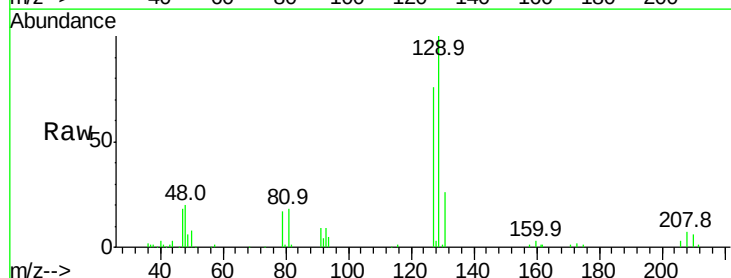
Instrument :
MSVOA_W
ClientSampled :
VSTD00506

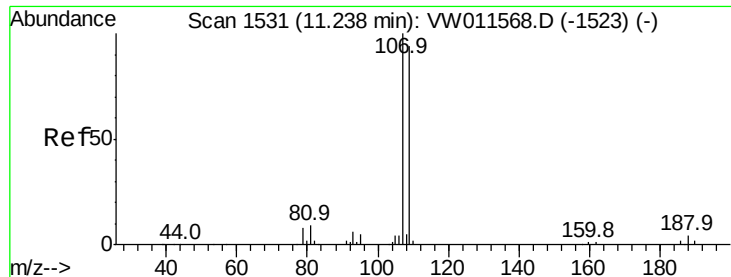
Tgt Ion:	43	Resp:	38875
Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.6	57.8
57	16.0	13.0	19.6
100	9.4	7.5	11.3



#50
Dibromochloromethane
Concen: 4.970 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011567.D
Acq: 30 Jul 2019 09:56

Tgt Ion:	129	Resp:	21499
Ion	Ratio	Lower	Upper
129	100		
127	76.4	52.6	97.6

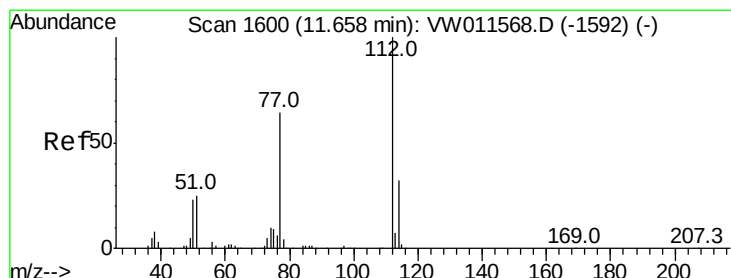
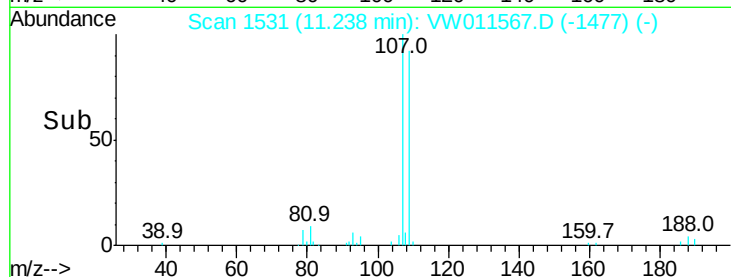
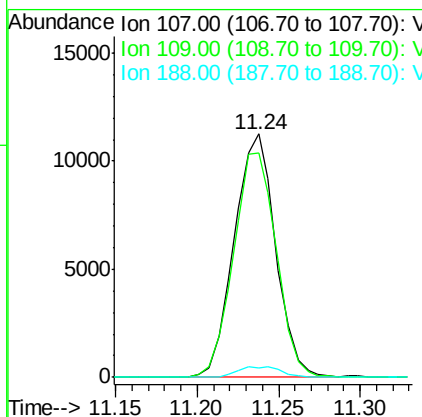
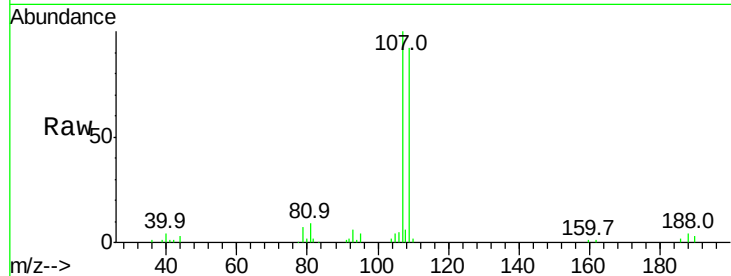




#51
 1,2-Dibromoethane
 Concen: 5.247 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

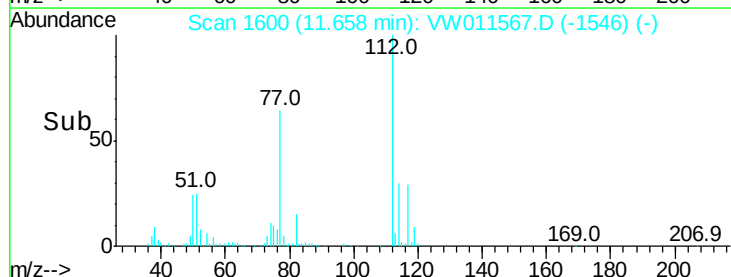
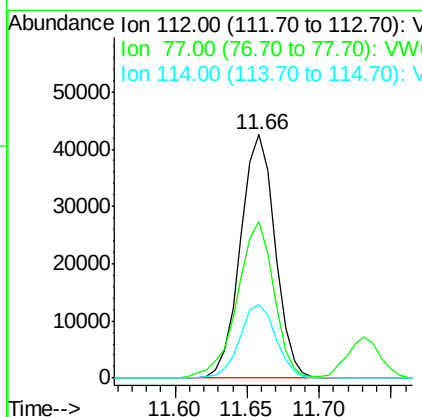
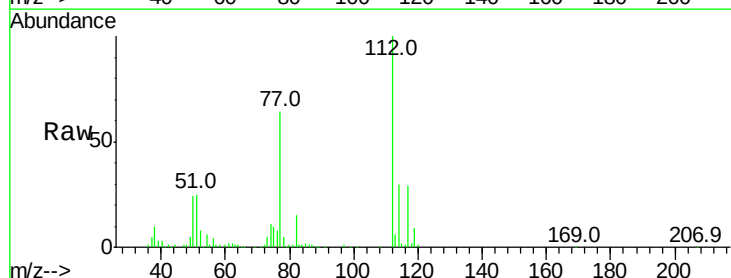
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

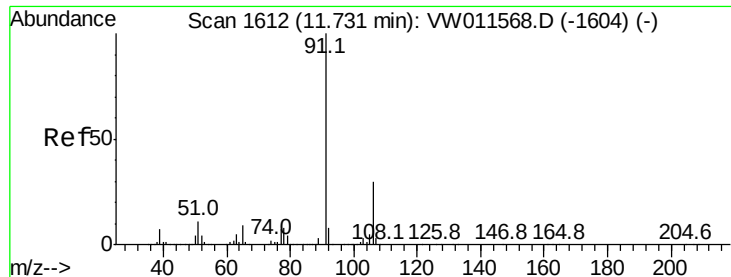
Tgt Ion:107 Resp: 19829
 Ion Ratio Lower Upper
 107 100
 109 92.3 66.1 122.8
 188 3.9 2.9 4.3



#52
 Chlorobenzene
 Concen: 5.277 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

Tgt Ion:112 Resp: 70933
 Ion Ratio Lower Upper
 112 100
 77 64.1 51.0 76.4
 114 30.3 22.4 41.6





#53

Ethylbenzene

Concen: 5.065 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

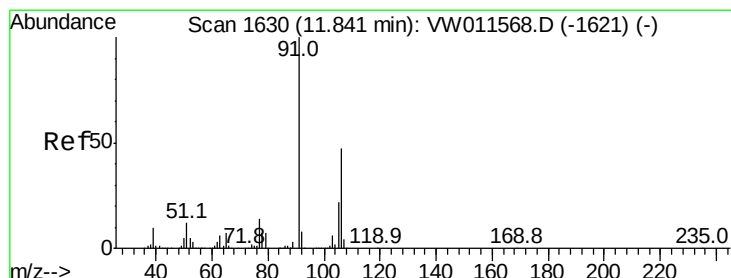
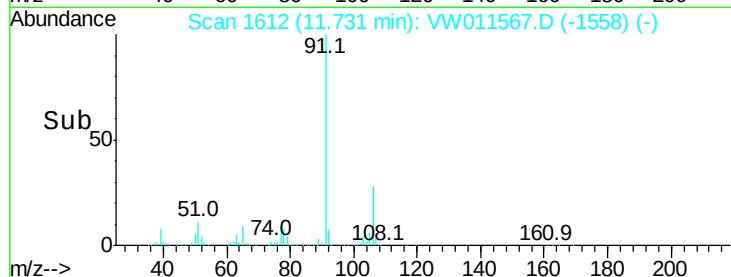
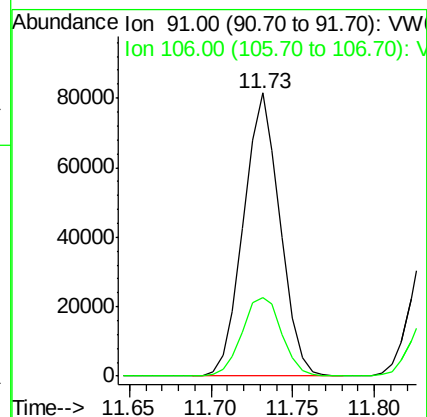
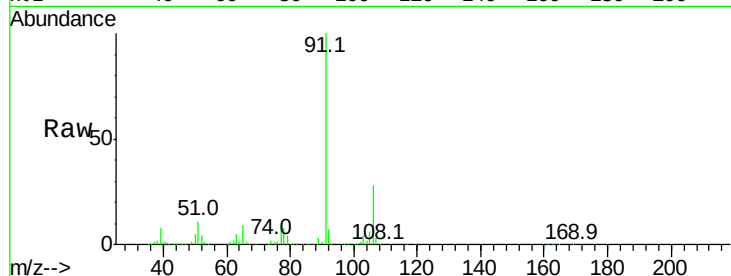
VSTD00506

Tgt Ion: 91 Resp: 127043

Ion Ratio Lower Upper

91 100

106 27.8 20.6 38.4



#54

m,p-Xylene

Concen: 5.028 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011567.D

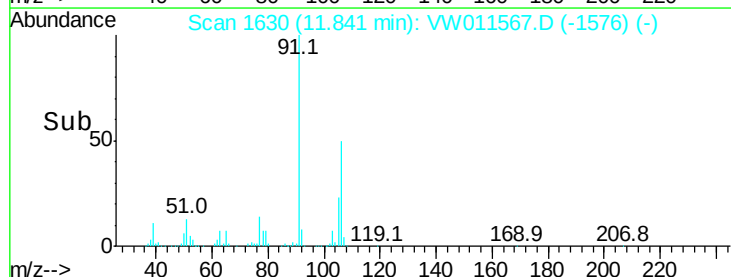
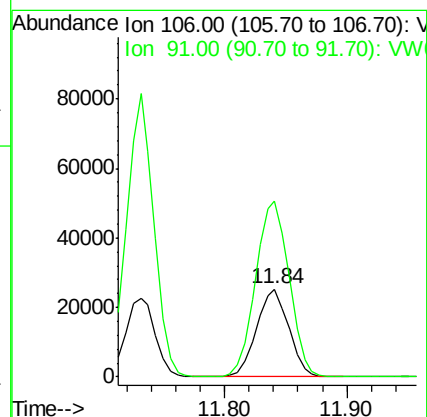
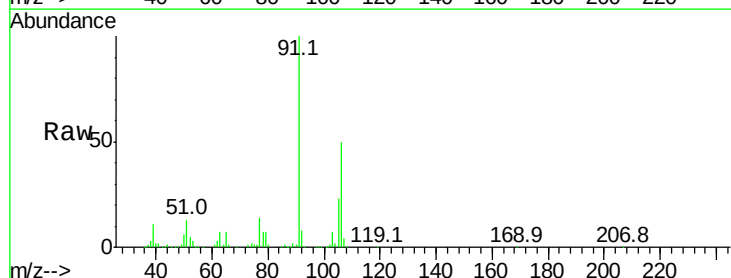
Acq: 30 Jul 2019 09:56

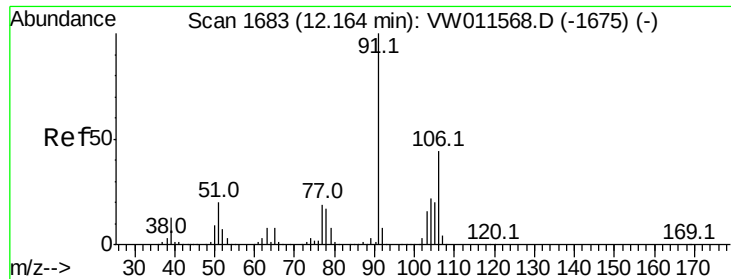
Tgt Ion: 106 Resp: 46195

Ion Ratio Lower Upper

106 100

91 199.9 149.6 277.8





#55

o-xylene

Concen: 5.014 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

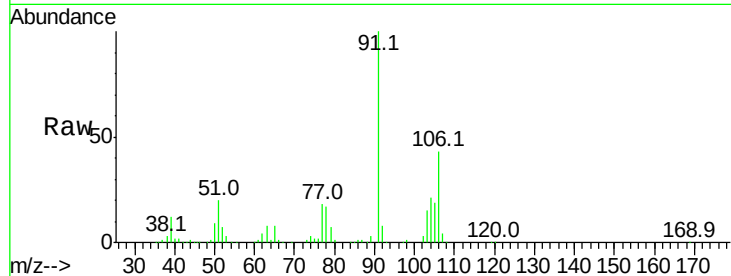
VSTD00506

Tgt Ion:106 Resp: 43413

Ion Ratio Lower Upper

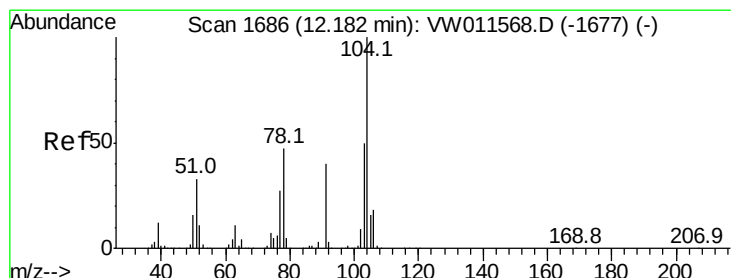
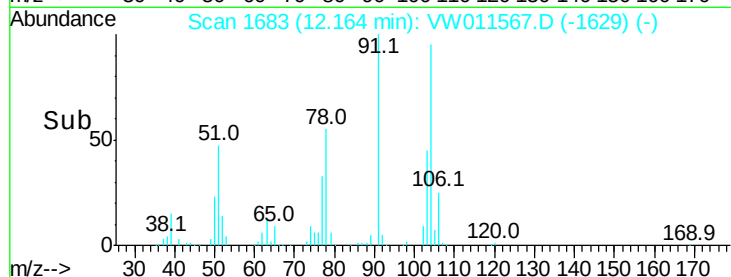
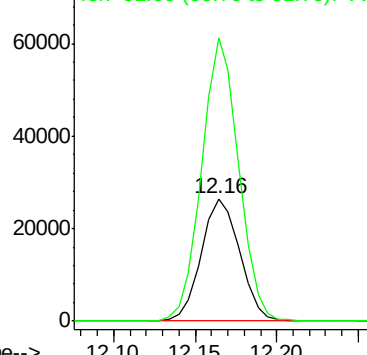
106 100

91 231.8 158.3 293.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 5.035 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW011567.D

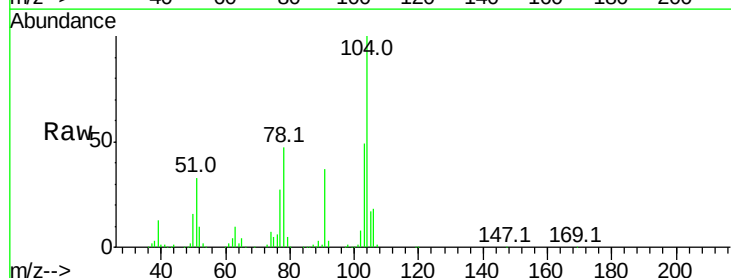
Acq: 30 Jul 2019 09:56

Tgt Ion:104 Resp: 73346

Ion Ratio Lower Upper

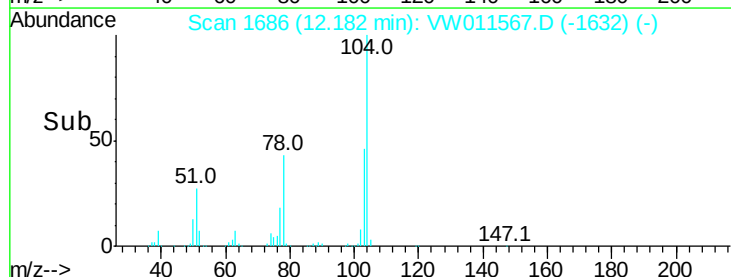
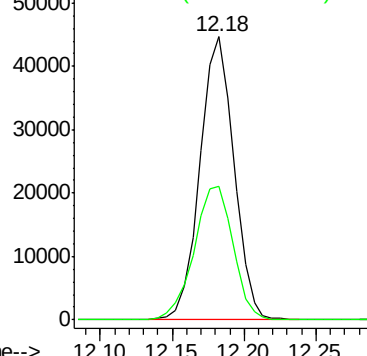
104 100

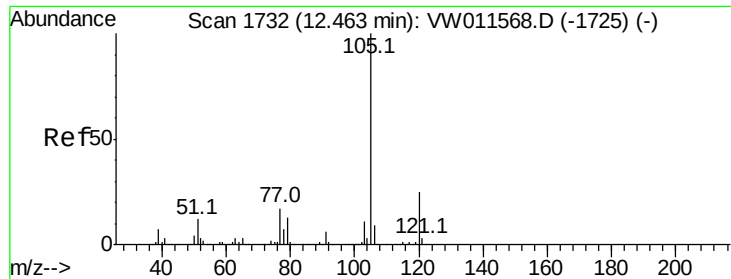
78 47.1 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 5.029 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

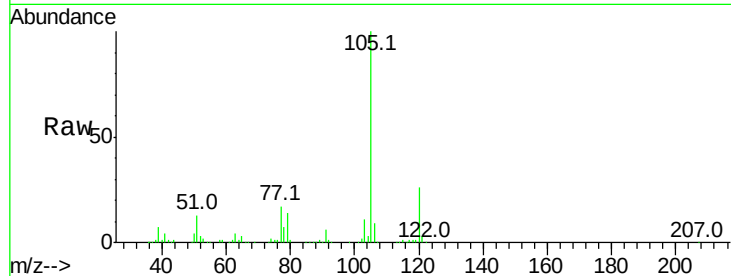
Tgt Ion:105 Resp: 118620

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

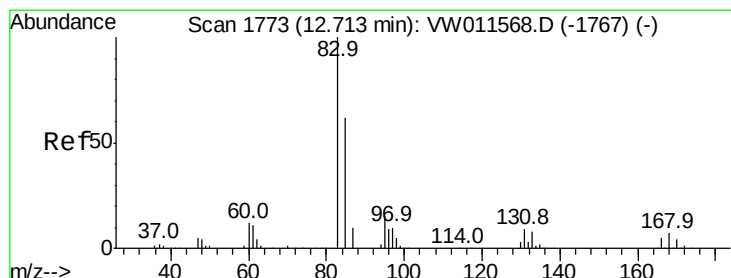
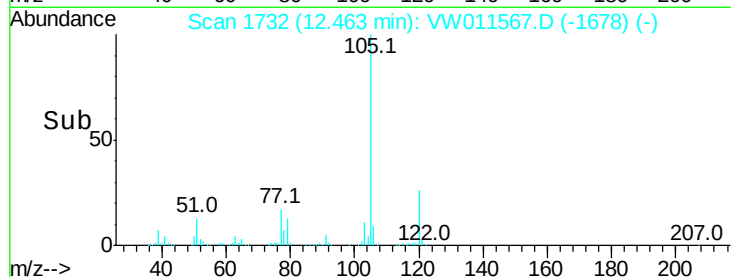
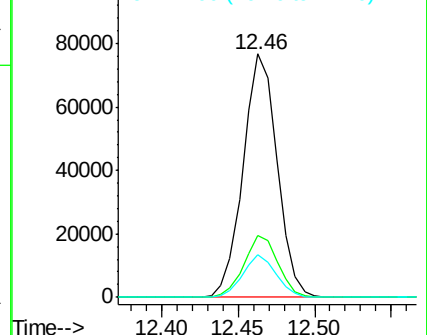
77 17.2 13.4 20.2



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: 5.433 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

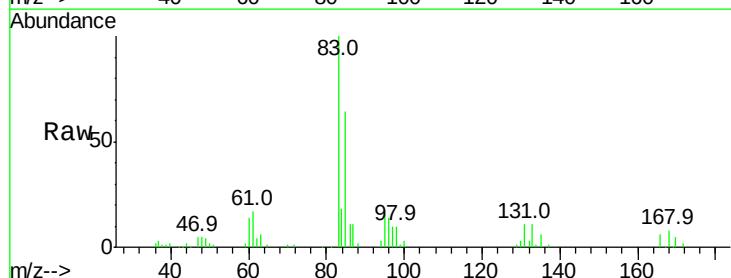
Tgt Ion: 83 Resp: 27582

Ion Ratio Lower Upper

83 100

85 63.5 43.5 80.9

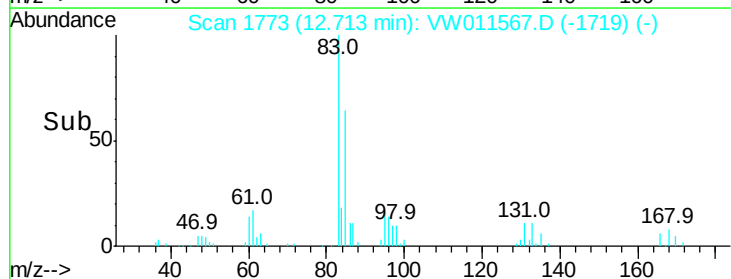
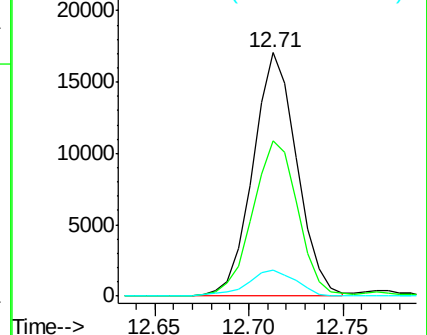
131 10.7 7.5 11.3

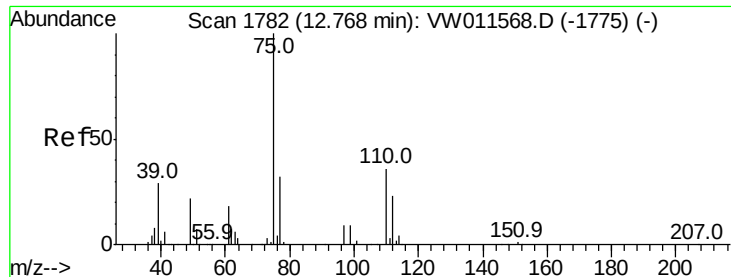


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.436 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampled :

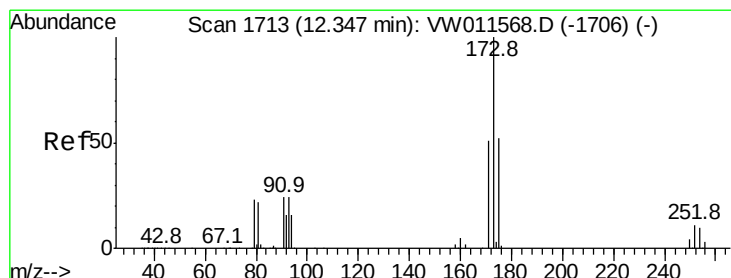
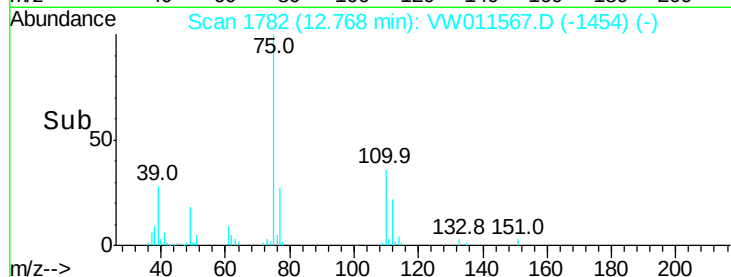
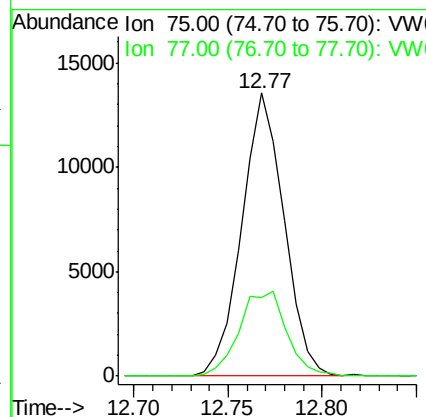
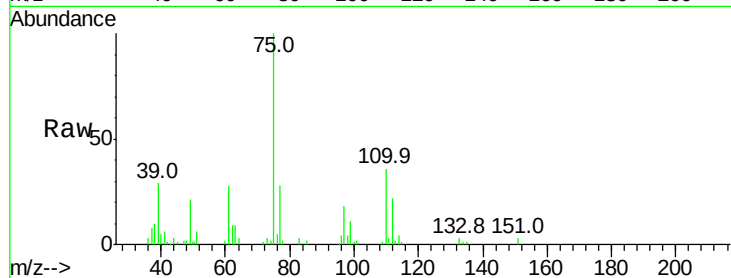
VSTD00506

Tgt Ion: 75 Resp: 21084

Ion Ratio Lower Upper

75 100

77 33.6 25.1 37.7



#62

Bromoform

Concen: 5.106 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

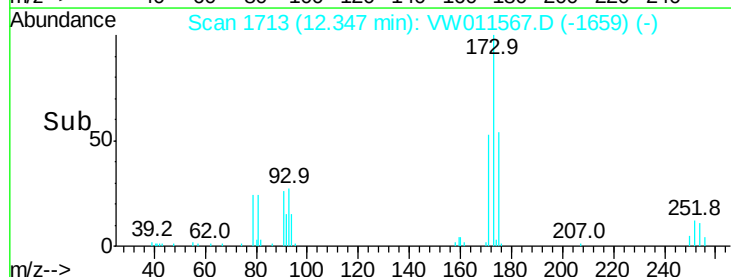
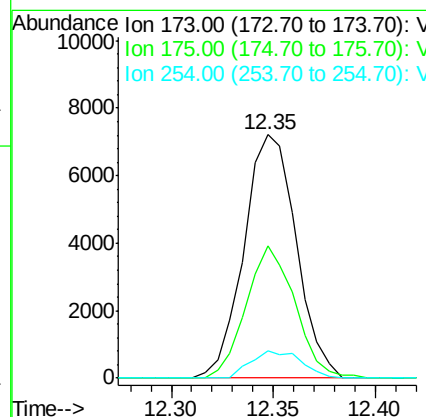
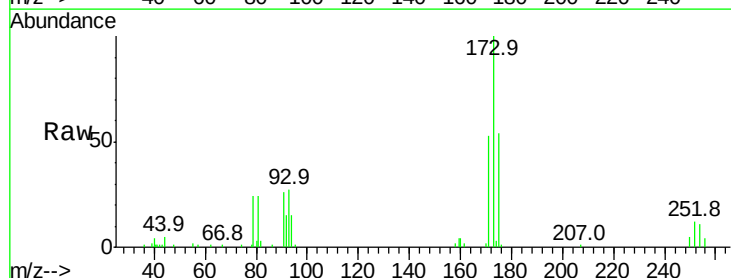
Tgt Ion: 173 Resp: 12841

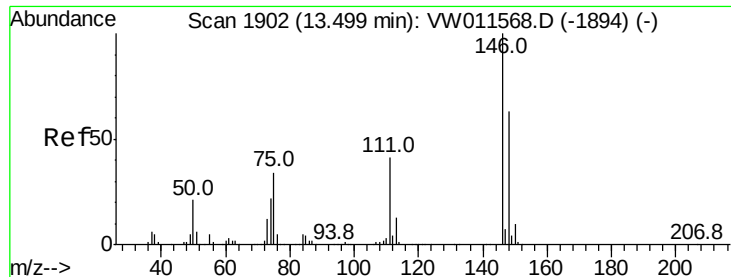
Ion Ratio Lower Upper

173 100

175 50.5 39.4 59.0

254 10.8 9.0 13.6

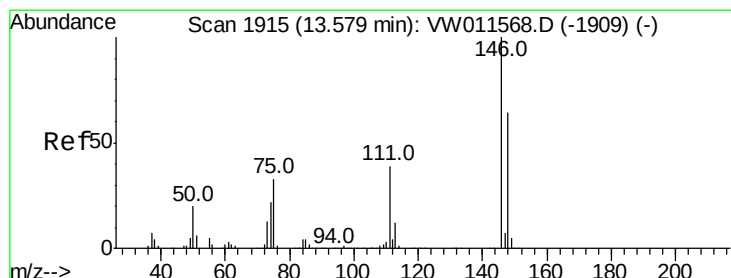
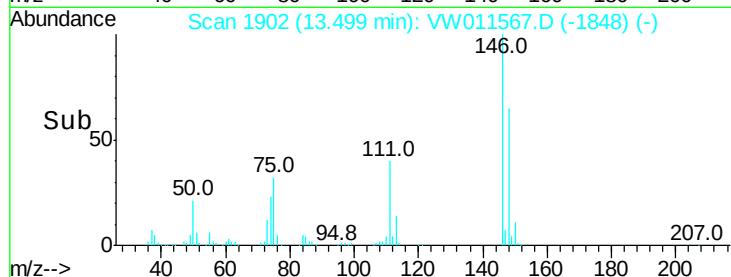
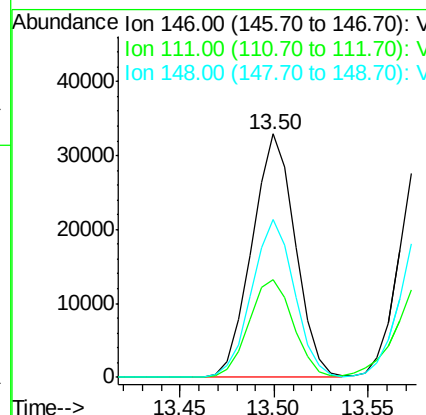
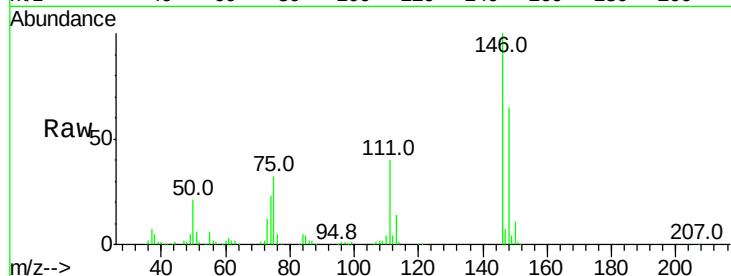




#63
 1,3-Dichlorobenzene
 Concen: 5.217 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

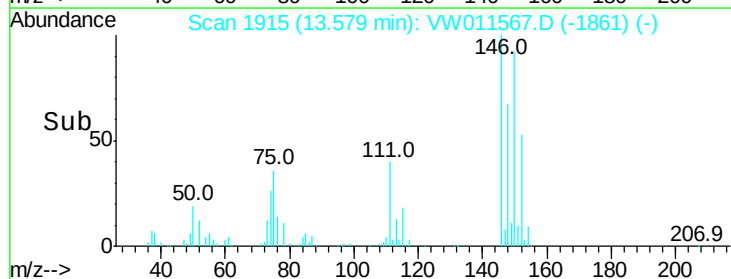
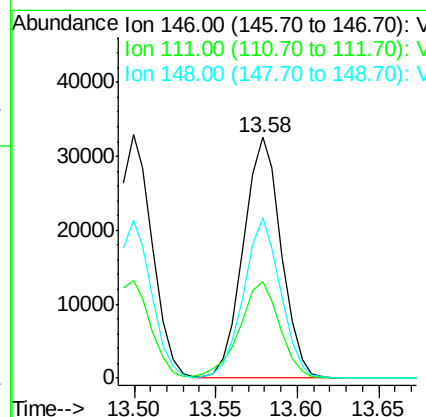
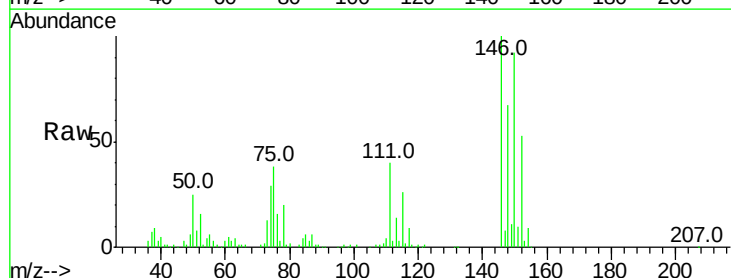
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

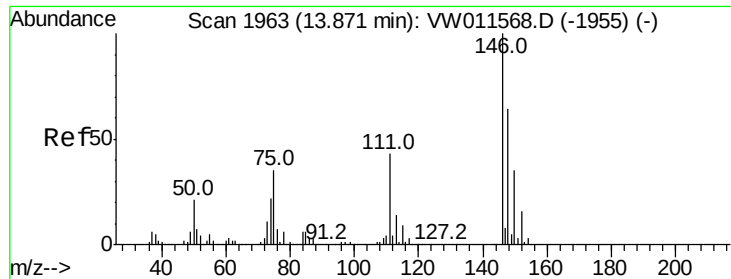
Tgt Ion:146 Resp: 52495
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.6 53.2
 148 64.6 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 5.153 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

Tgt Ion:146 Resp: 52667
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.4 51.0
 148 66.9 44.4 82.5

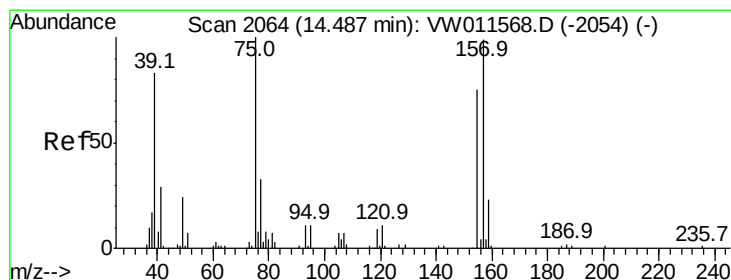
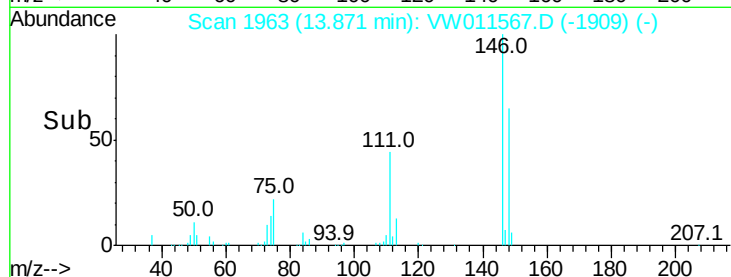
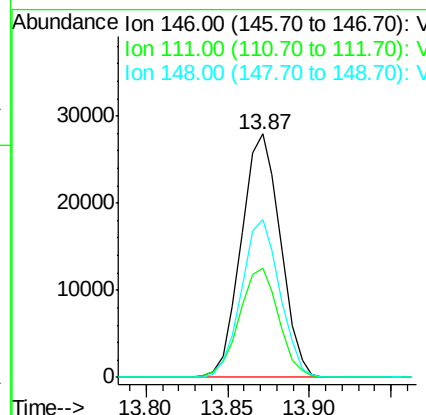
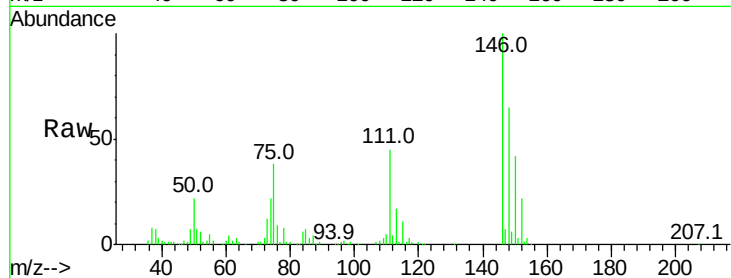




#65
 1,2-Dichlorobenzene
 Concen: 5.064 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

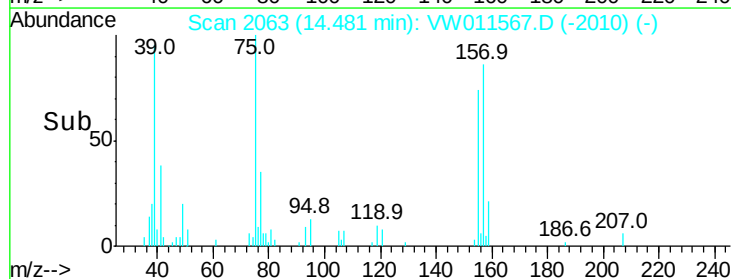
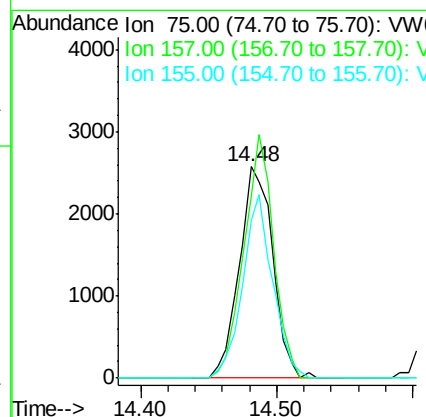
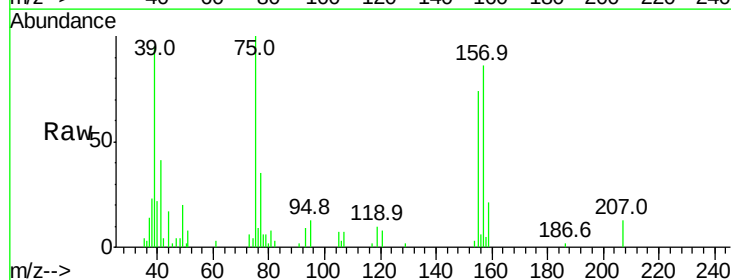
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00506

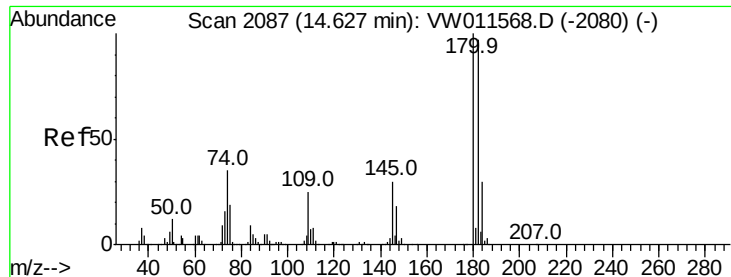
Tgt Ion: 146 Resp: 46888
 Ion Ratio Lower Upper
 146 100
 111 45.0 34.6 51.8
 148 65.0 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.997 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

Tgt Ion: 75 Resp: 4410
 Ion Ratio Lower Upper
 75 100
 157 86.1 79.3 118.9
 155 74.4 59.9 89.9

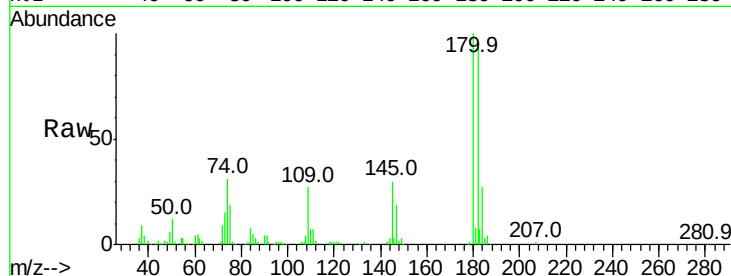




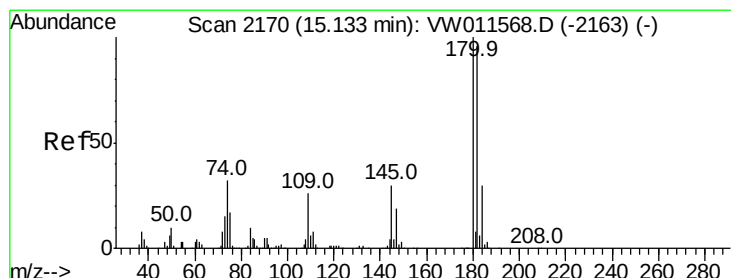
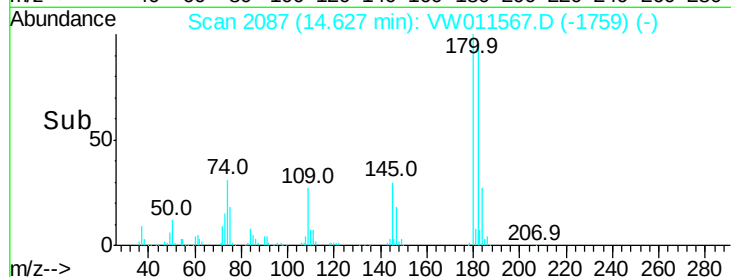
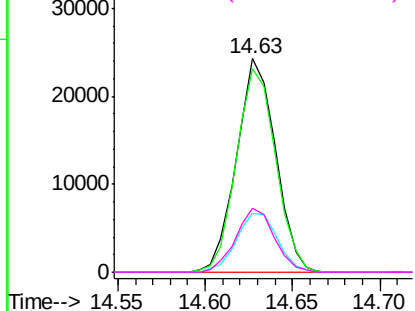
#67
 1,3,5-Trichlorobenzene
 Concen: 4.925 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

Tgt Ion:180 Resp: 37804
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.9 113.9
 184 29.3 24.2 36.2
 145 29.7 23.0 34.6

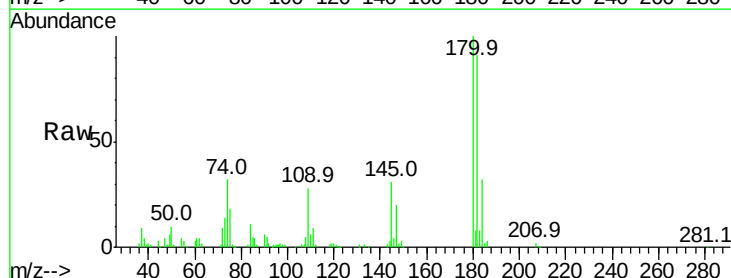


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

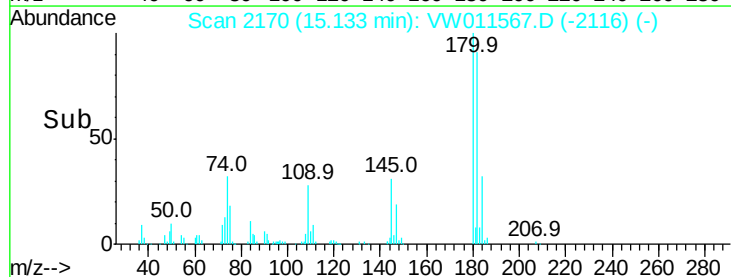
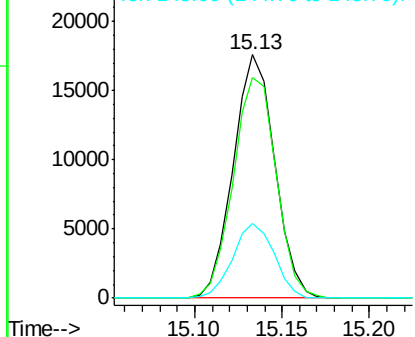


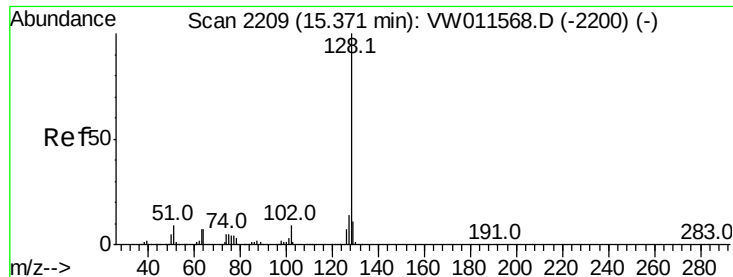
#68
 1,2,4-trichlorobenzene
 Concen: 4.578 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011567.D
 Acq: 30 Jul 2019 09:56

Tgt Ion:180 Resp: 29120
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.3 115.9
 145 30.9 24.3 36.5



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





#69

Naphthalene

Concen: 4.066 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

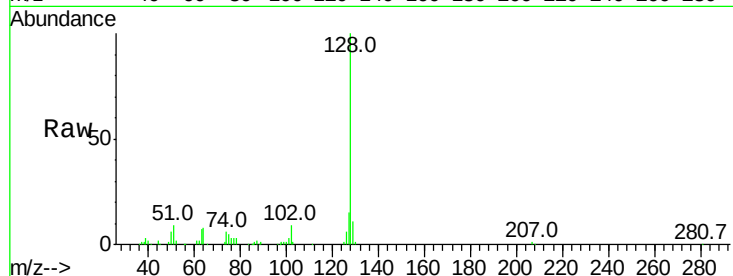
Tgt Ion:128 Resp: 52655

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

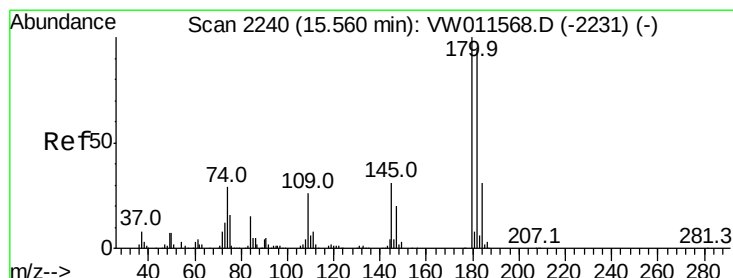
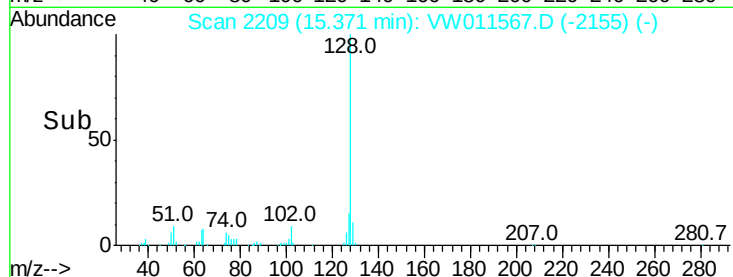
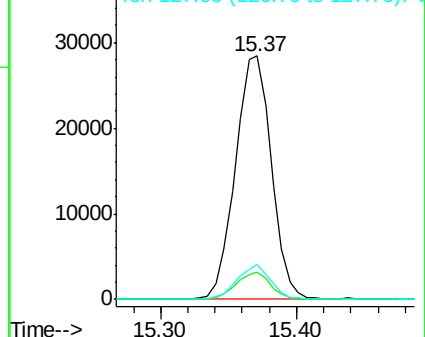
127 13.4 10.6 16.0



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: 4.733 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011567.D

Acq: 30 Jul 2019 09:56

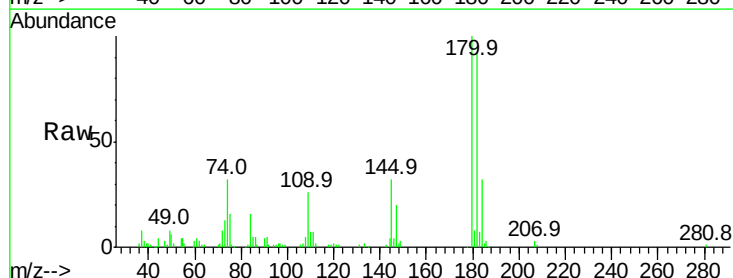
Tgt Ion:180 Resp: 27274

Ion Ratio Lower Upper

180 100

182 95.4 74.9 112.3

145 33.2 25.6 38.4



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

