

Data File : VW010906.D
Acq On : 21 Jun 2019 21:35
Operator : SY/VA
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Quant Time: Jun 22 05:35:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062119S.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 05:32:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	188224	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	172520	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	83658	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	23878	8.91	ug/L	0.00
7) Chloroethane-d5	2.88	69	19359	9.44	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	52315	9.25	ug/L	0.00
20) 2-Butanone-d5	7.08	46	26754	23.50	ug/L	0.00
24) Chloroform-d	7.65	84	53723	13.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	35504	11.07	ug/L	0.00
29) Benzene-d6	8.27	84	108892	10.56	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	36492	10.95	ug/L	0.00
37) Toluene-d8	10.32	98	95422	10.28	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	13852	9.35	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	16926	21.25	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	30516	10.73	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	33008	10.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	21207	7.261 ug/L	99
3) Chloromethane	2.21	50	22155	6.805 ug/L	99
5) Vinyl chloride	2.36	62	23977	7.764 ug/L	97
6) Bromomethane	2.77	94	14543	10.136 ug/L	97
8) Chloroethane	2.92	64	15343	8.582 ug/L	99
9) Trichlorofluoromethane	3.25	101	8060	2.338 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	23929	9.896 ug/L	98
12) 1,1-Dichloroethene	4.04	96	21402	9.482 ug/L	93
13) Acetone	4.12	43	20387	18.190 ug/L	99
14) Carbon disulfide	4.39	76	51682	7.767 ug/L	98
15) Methyl Acetate	4.67	43	21921	11.318 ug/L	97
16) Methylene chloride	4.92	84	30969	11.588 ug/L	93
17) Methyl tert-butyl Ether	5.42	73	42755	6.385 ug/L	90
18) trans-1,2-Dichloroethene	5.42	96	25050	10.053 ug/L	96
19) 1,1-Dichloroethane	6.21	63	52752	10.217 ug/L	98
21) 2-Butanone	7.17	43	30036	18.847 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	28096	9.977 ug/L	94
23) Bromochloromethane	7.51	128	12138	10.350 ug/L	96
25) Chloroform	7.67	83	49549	8.607 ug/L	99
27) 1,2-Dichloroethane	8.40	62	41691	10.860 ug/L	99
30) Cyclohexane	7.95	56	49706	9.555 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	34078	8.528 ug/L	100
32) Carbon tetrachloride	8.06	117	30010	8.841 ug/L	99
34) Benzene	8.32	78	111431	10.342 ug/L	100
35) Trichloroethene	9.09	95	27402	9.962 ug/L	98
36) Methylcyclohexane	9.33	83	46767	9.579 ug/L	99
40) 1,2-Dichloropropane	9.37	63	31223	10.407 ug/L	100
41) Bromodichloromethane	9.64	83	34277	9.756 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	42878	9.355 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	63225	21.735 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Sat Jun 22 05:32:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	114441	10.138	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	35552	9.240	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	22202	10.400	ug/L	97
47) Tetrachloroethene	10.86	164	20654	10.063	ug/L	99
49) 2-Hexanone	10.97	43	41373	19.576	ug/L	99
50) Dibromochloromethane	11.13	129	21861	9.299	ug/L	93
51) 1,2-Dibromoethane	11.23	107	21740	10.534	ug/L	96
52) Chlorobenzene	11.66	112	70689	10.112	ug/L	98
53) Ethylbenzene	11.73	91	127871	9.960	ug/L	99
54) m,p-Xylene	11.84	106	46532	10.015	ug/L	100
55) o-xylene	12.17	106	44343	9.845	ug/L	99
56) Styrene	12.18	104	77762	9.920	ug/L	97
57) Isopropylbenzene	12.47	105	118928	9.715	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	29563	10.338	ug/L #	97
59) 1,2,3-Trichloropropane	12.77	75	23934	10.598	ug/L	99
62) Bromoform	12.35	173	11907	8.511	ug/L #	94
63) 1,3-Dichlorobenzene	13.50	146	52654	9.781	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	54948	10.037	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	49818	9.826	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	5099	9.524	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	39691	9.702	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	33455	9.790	ug/L	99
69) Naphthalene	15.37	128	72851	9.929	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	31799	10.278	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 :
VSTD00502

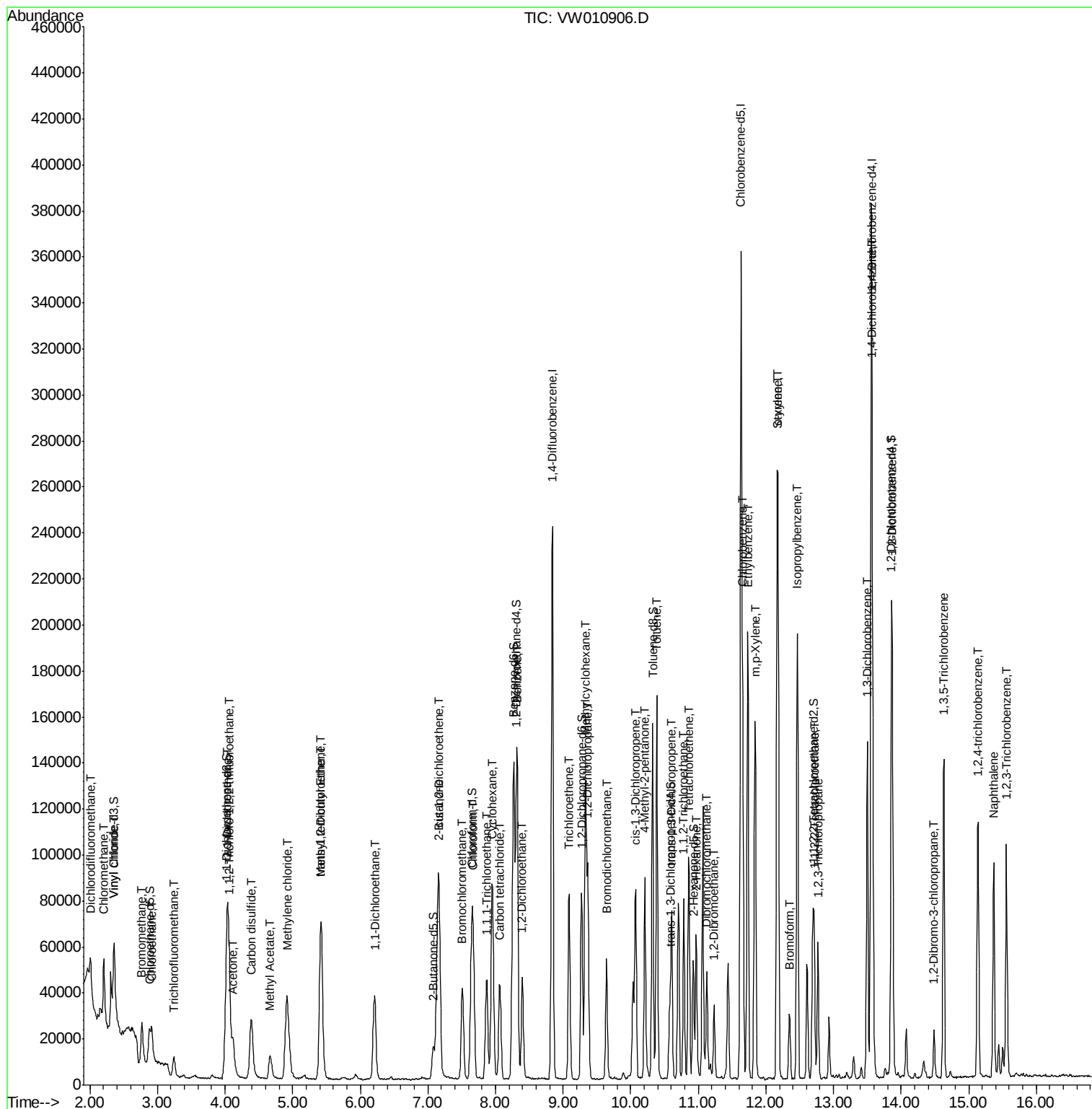
Quant Time: Jun 22 05:35:36 2019

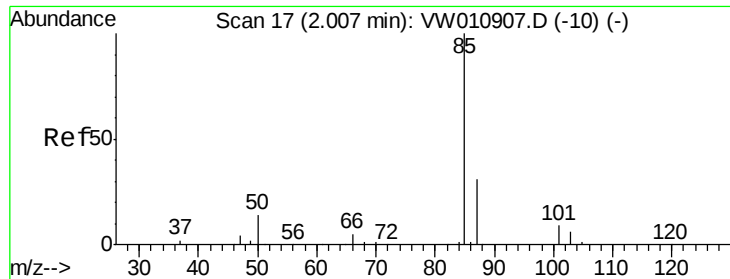
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062119S.M

Quant Title : VOC Analysis

QLast Update : Sat Jun 22 05:32:32 2019

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#2

Dichlorodifluoromethane

Concen: 7.261 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

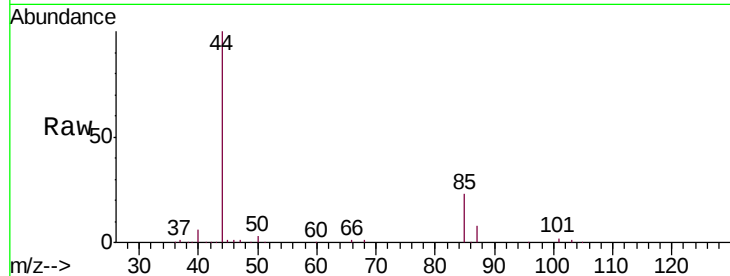
VSTD00502

Tgt Ion: 85 Resp: 21207

Ion Ratio Lower Upper

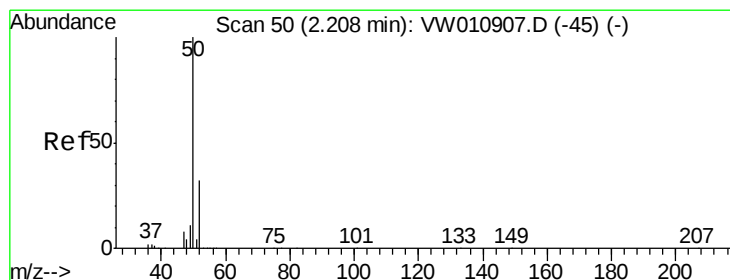
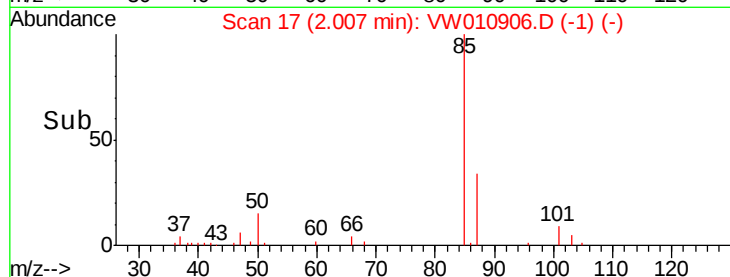
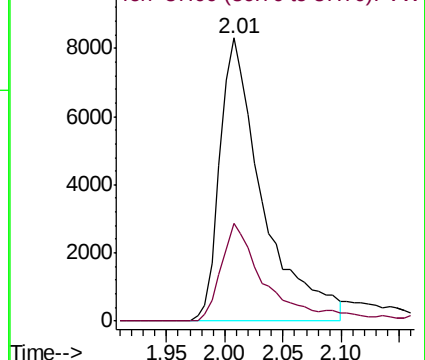
85 100

87 32.9 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 6.805 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010906.D

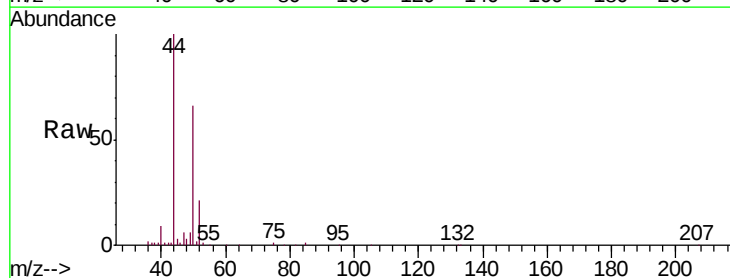
Acq: 21 Jun 2019 21:35

Tgt Ion: 50 Resp: 22155

Ion Ratio Lower Upper

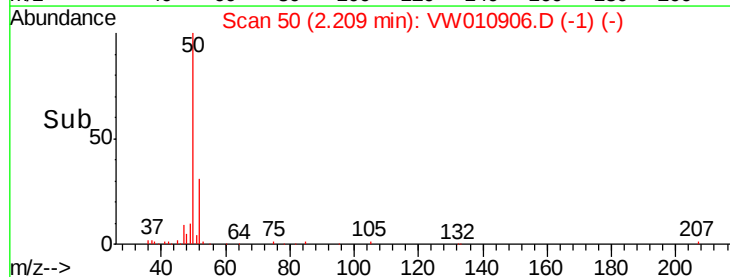
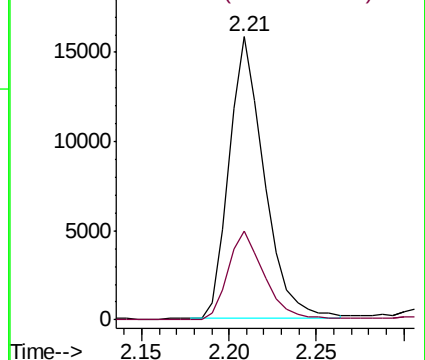
50 100

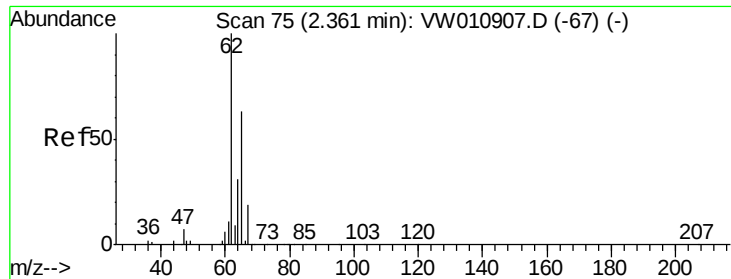
52 31.2 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 7.764 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

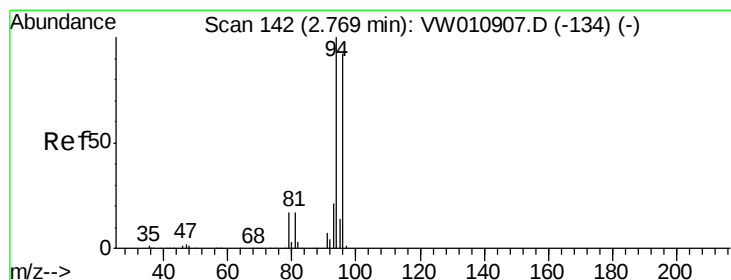
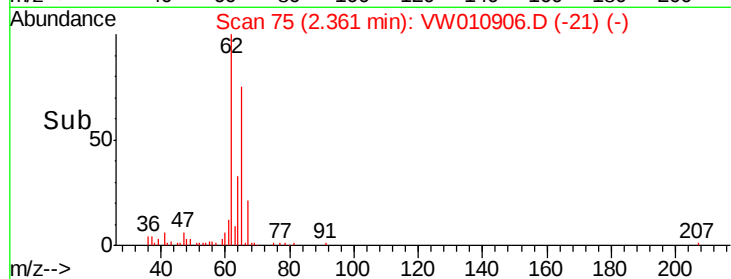
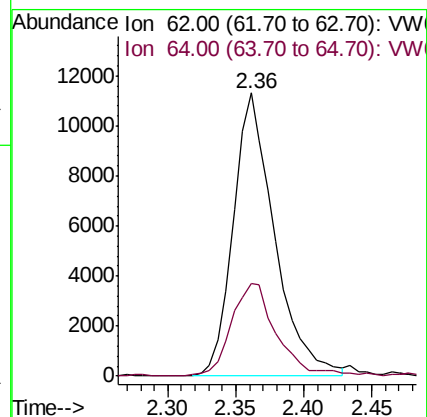
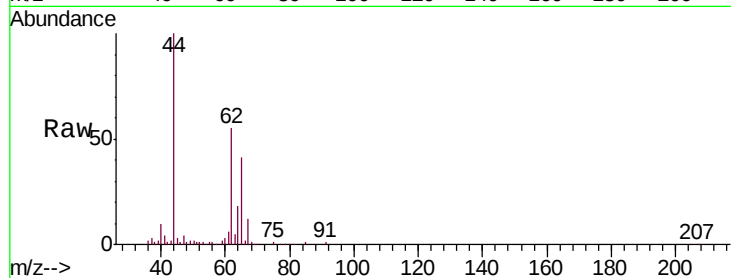
VSTD00502

Tgt Ion: 62 Resp: 23977

Ion Ratio Lower Upper

62 100

64 32.9 21.8 40.6



#6

Bromomethane

Concen: 10.136 ug/L

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010906.D

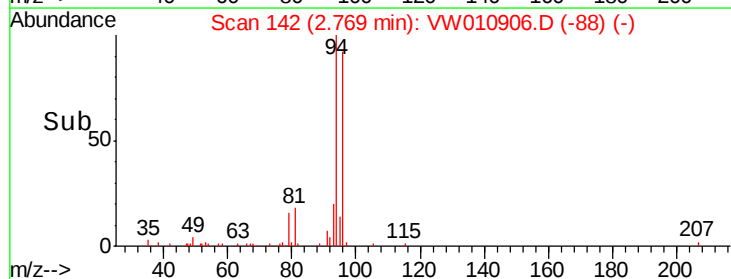
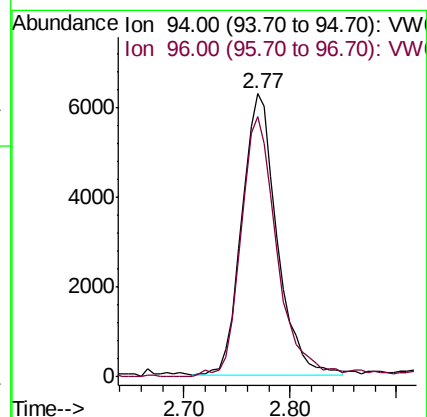
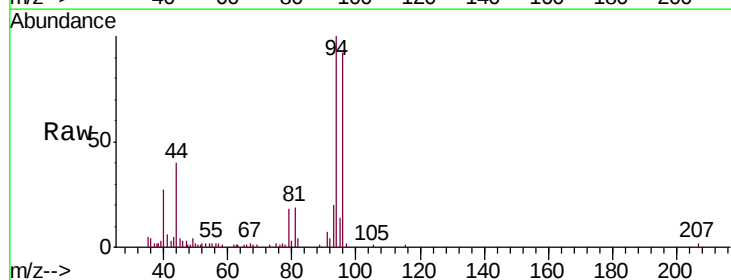
Acq: 21 Jun 2019 21:35

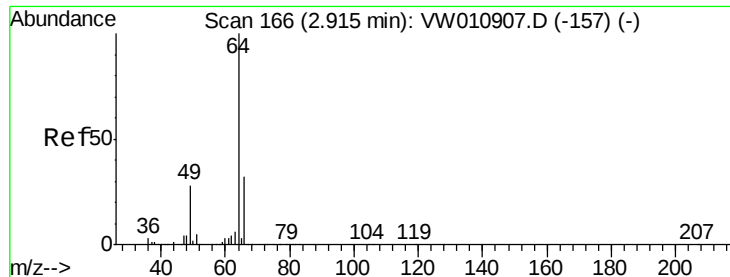
Tgt Ion: 94 Resp: 14543

Ion Ratio Lower Upper

94 100

96 89.8 9.2 175.6





#8

Chloroethane

Concen: 8.582 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

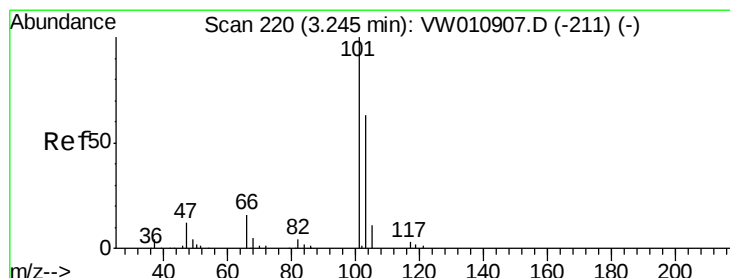
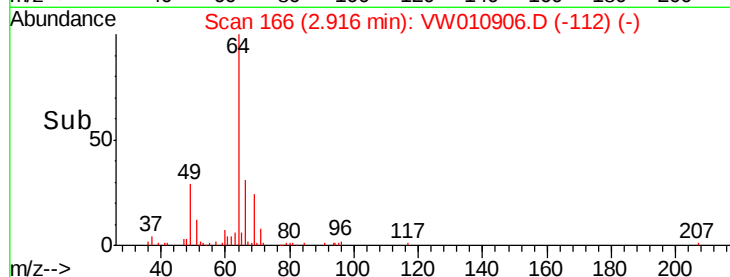
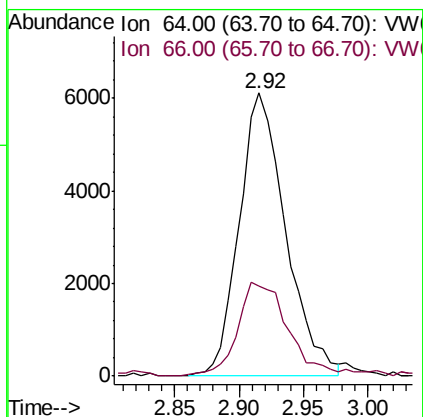
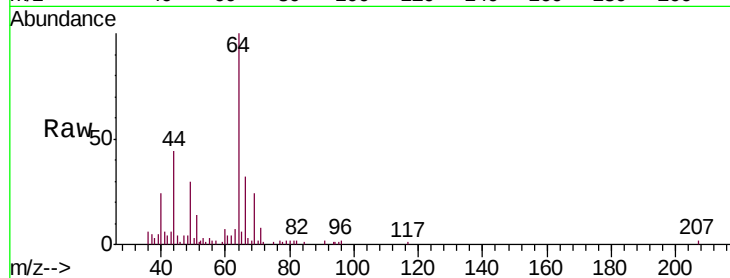
VSTD00502

Tgt Ion: 64 Resp: 15343

Ion Ratio Lower Upper

64 100

66 31.8 22.6 42.0



#9

Trichlorofluoromethane

Concen: 2.338 ug/L

RT: 3.25 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW010906.D

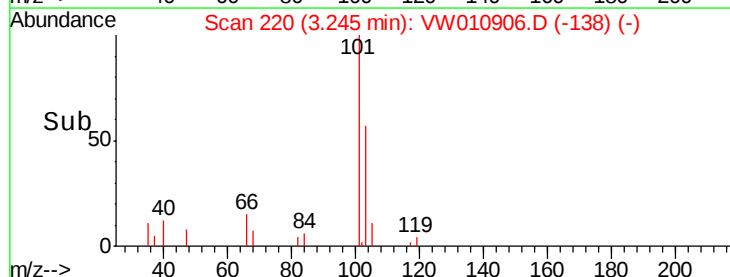
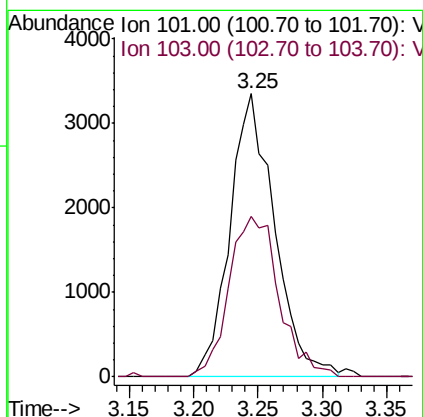
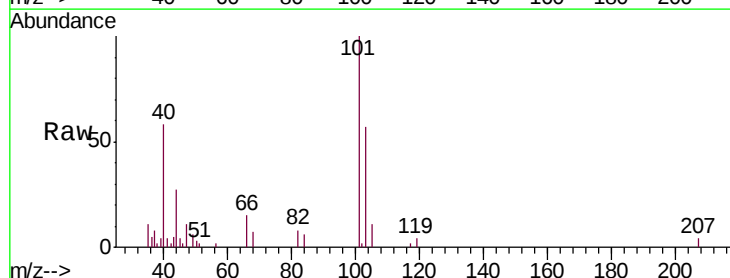
Acq: 21 Jun 2019 21:35

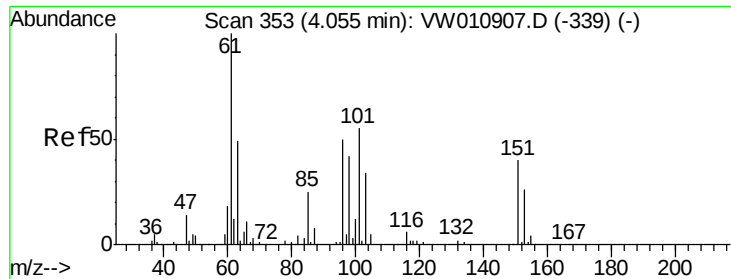
Tgt Ion: 101 Resp: 8060

Ion Ratio Lower Upper

101 100

103 63.0 46.1 85.5





#11

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

Concen: 9.896 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampled :

VSTD00502

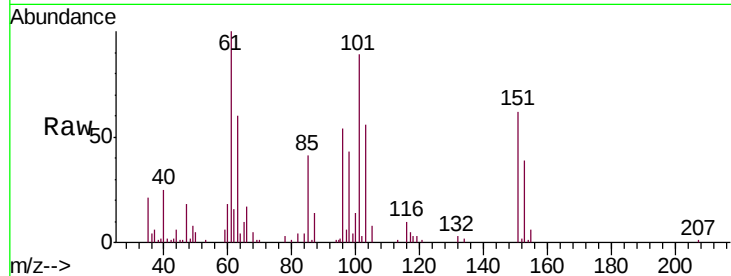
Tgt Ion: 101 Resp: 23929

Ion Ratio Lower Upper

101 100

85 47.1 36.5 54.7

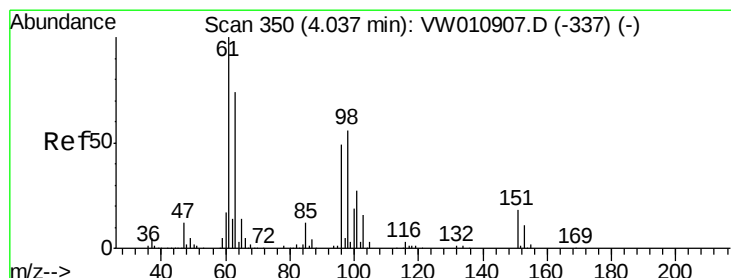
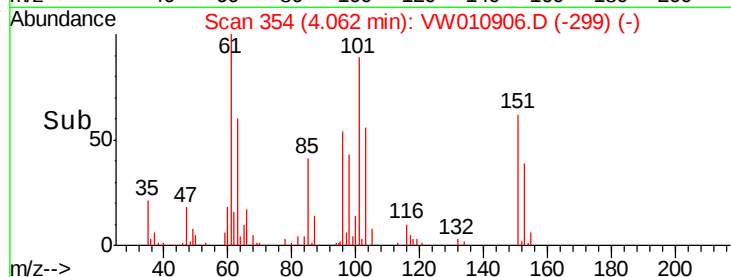
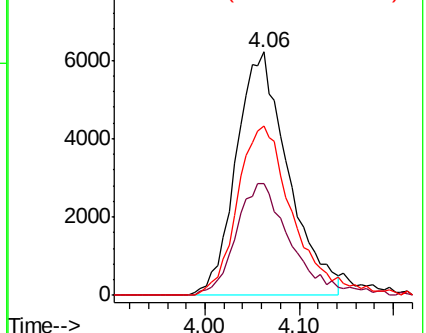
151 74.2 58.6 88.0



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: 9.482 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

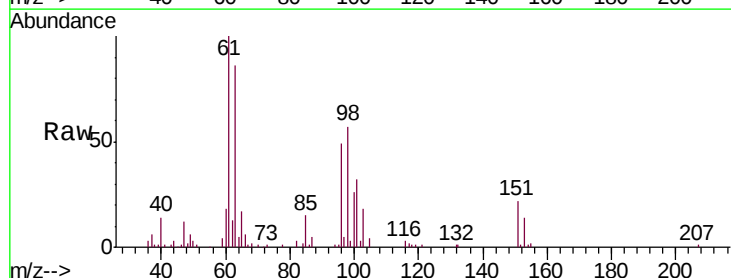
Tgt Ion: 96 Resp: 21402

Ion Ratio Lower Upper

96 100

61 204.4 144.3 267.9

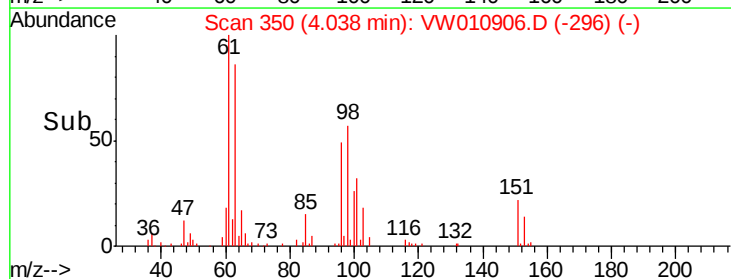
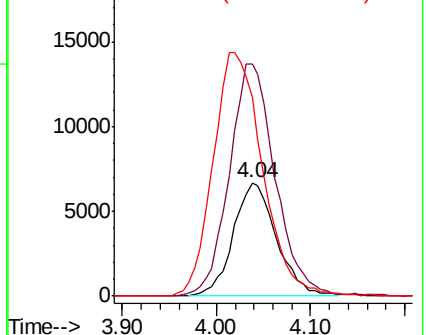
63 175.0 108.4 201.2

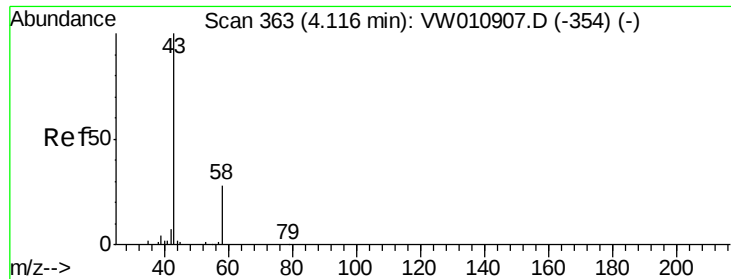


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 18.190 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010906.D

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MSVOA_W

ClientSampleId :

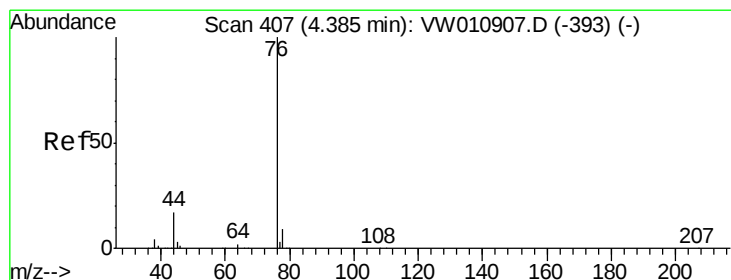
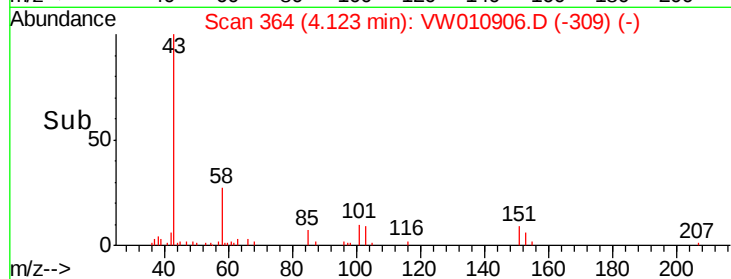
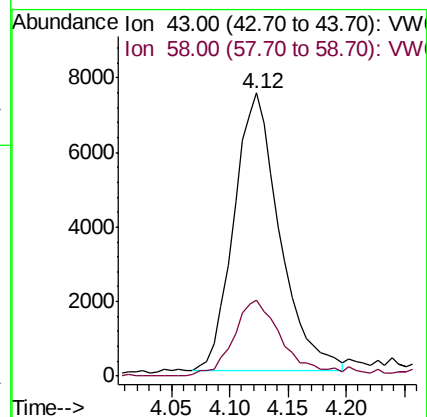
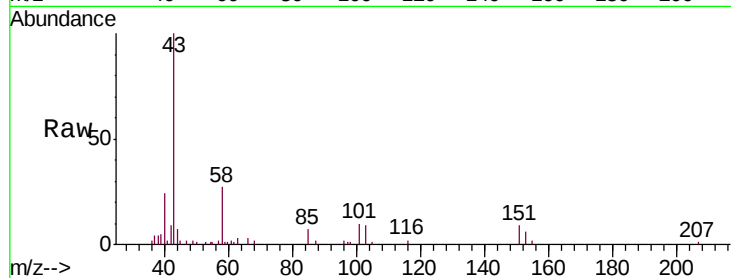
VSTD00502

Tgt Ion: 43 Resp: 20387

Ion Ratio Lower Upper

43 100

58 27.5 0.0 54.0



#14

Carbon disulfide

Concen: 7.767 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW010906.D

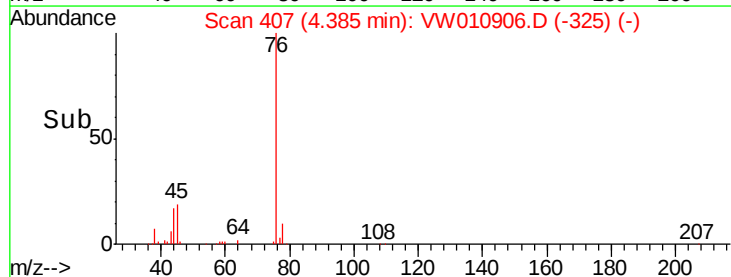
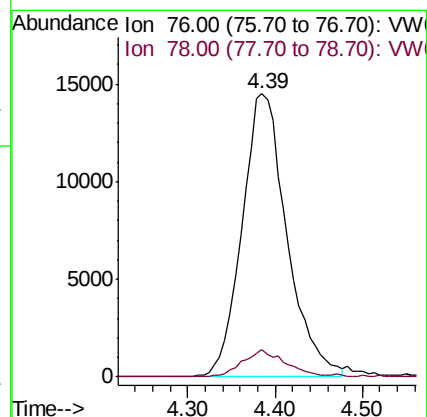
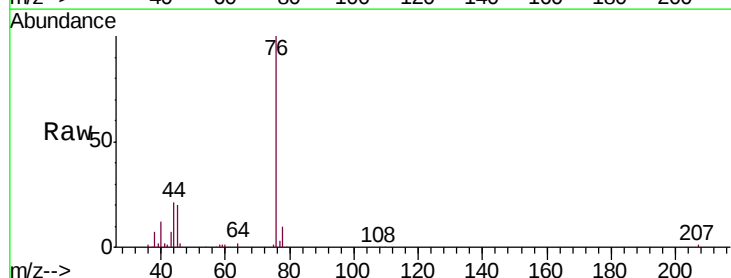
Acq: 21 Jun 2019 21:35

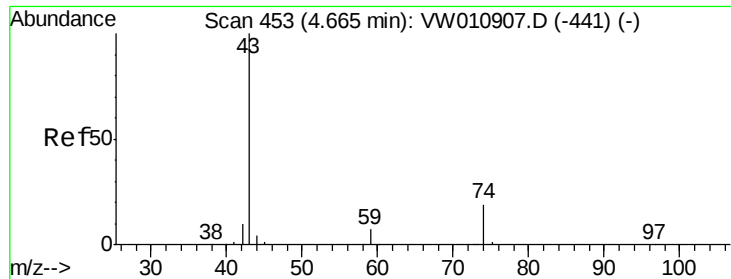
Tgt Ion: 76 Resp: 51682

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.0

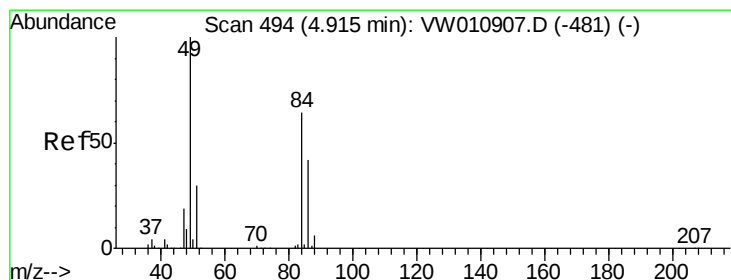
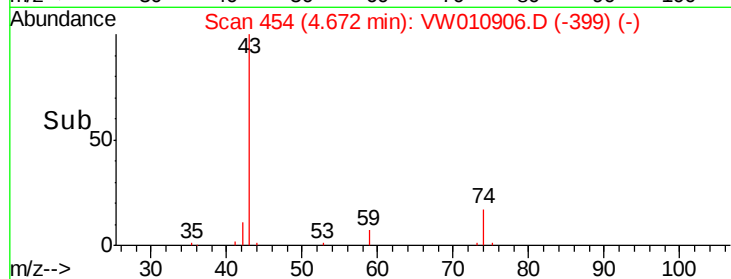
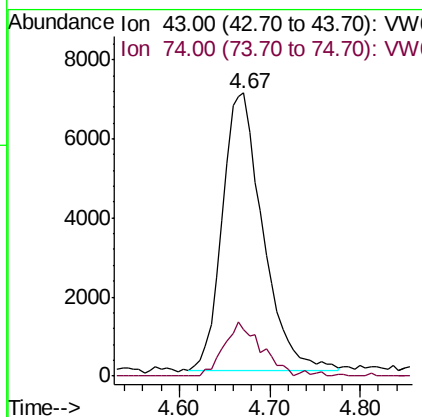
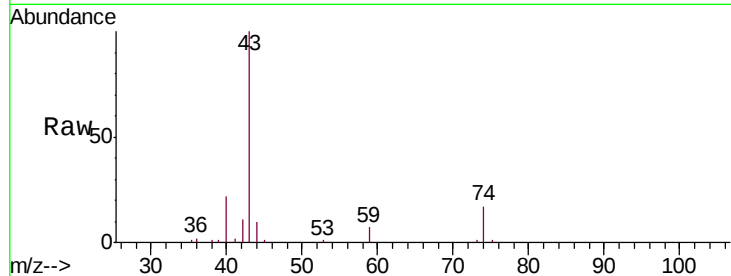




#15
Methyl Acetate
Concen: 11.318 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

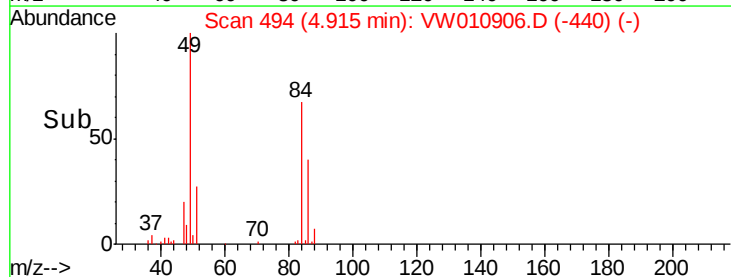
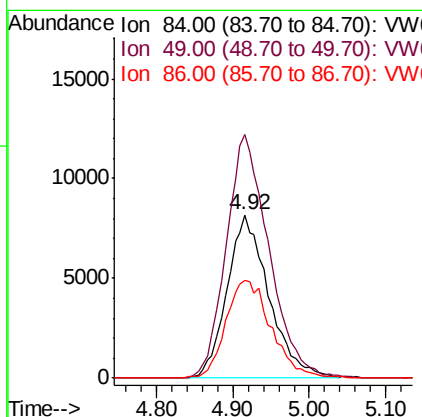
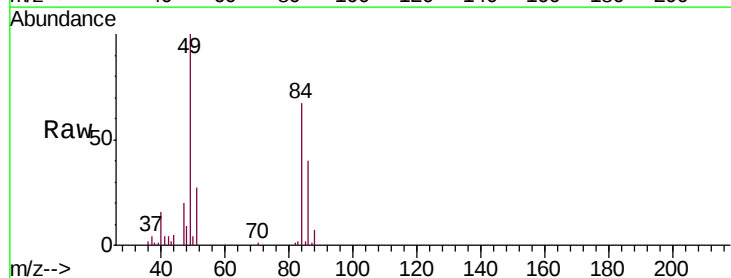
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

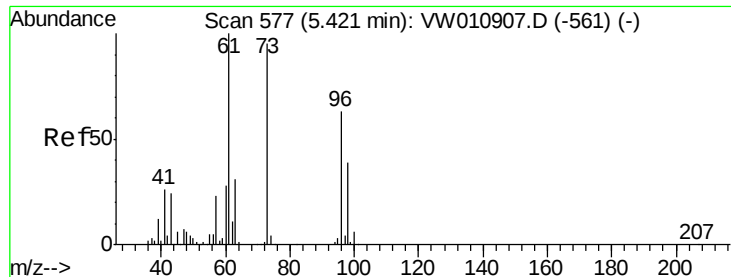
Tgt Ion: 43 Resp: 21921
Ion Ratio Lower Upper
43 100
74 17.6 15.3 22.9



#16
Methylene chloride
Concen: 11.588 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

Tgt Ion: 84 Resp: 30969
Ion Ratio Lower Upper
84 100
49 149.1 109.8 203.8
86 59.5 46.5 86.5

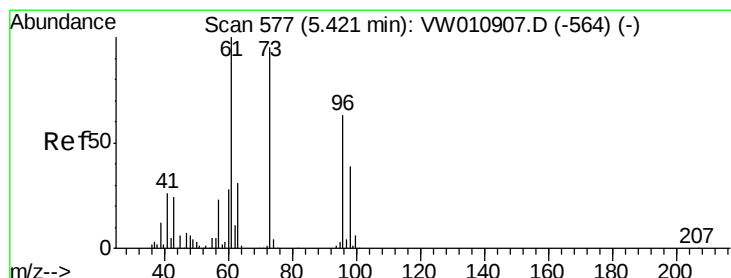
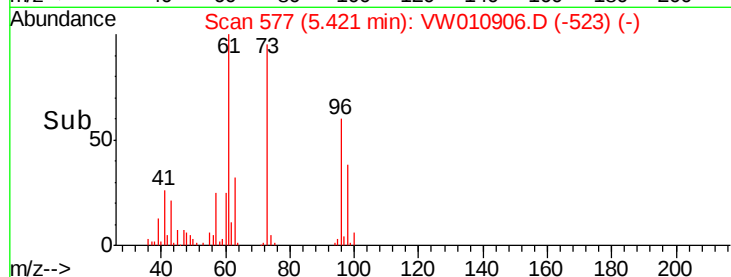
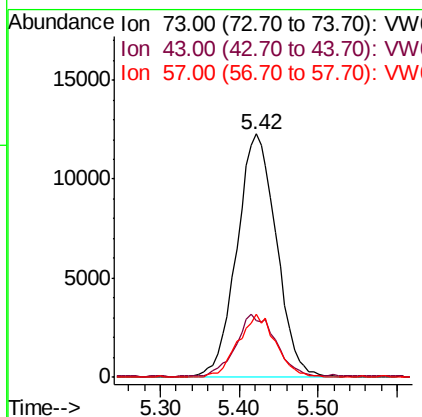
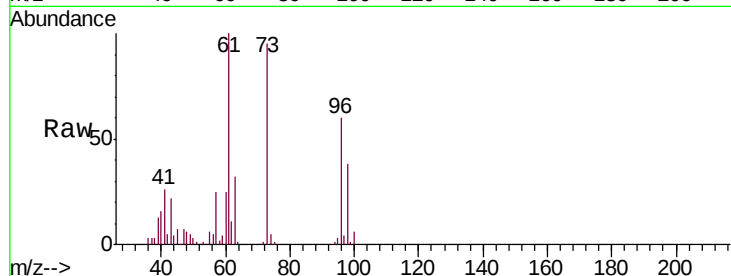




#17
Methyl tert-butyl Ether
Concen: 6.385 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

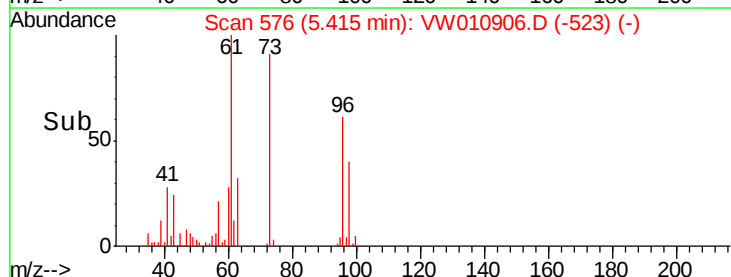
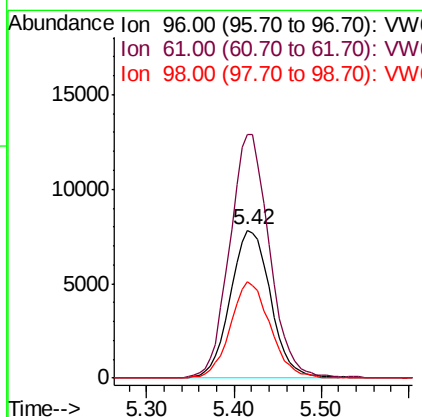
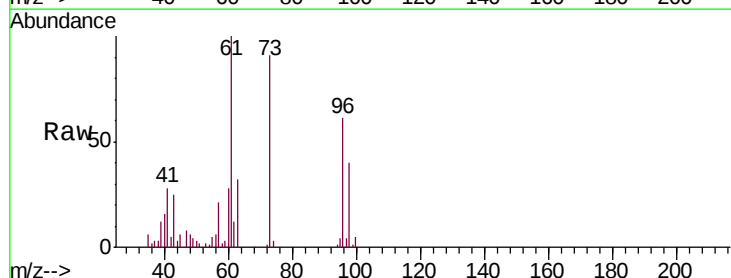
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

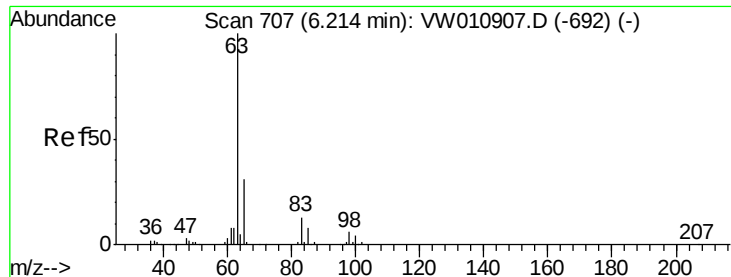
Tgt Ion: 73 Resp: 42755
Ion Ratio Lower Upper
73 100
43 15.8 20.4 30.6#
57 24.5 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 10.053 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

Tgt Ion: 96 Resp: 25050
Ion Ratio Lower Upper
96 100
61 164.1 111.7 207.5
98 65.2 43.5 80.9

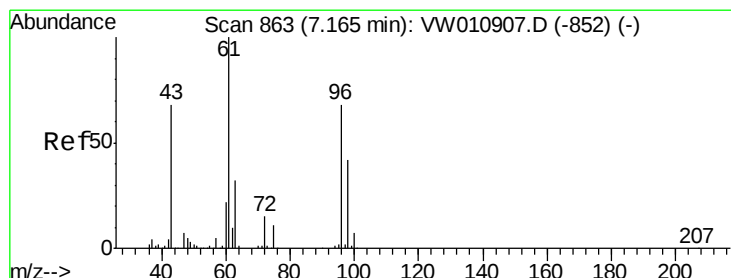
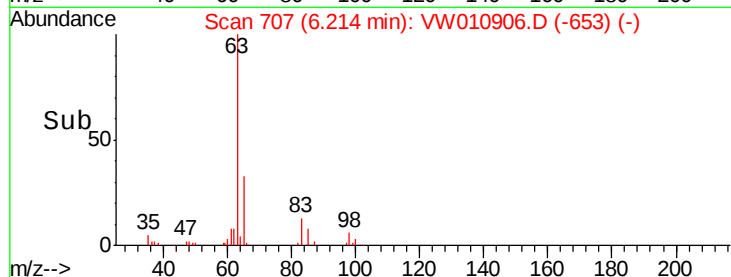
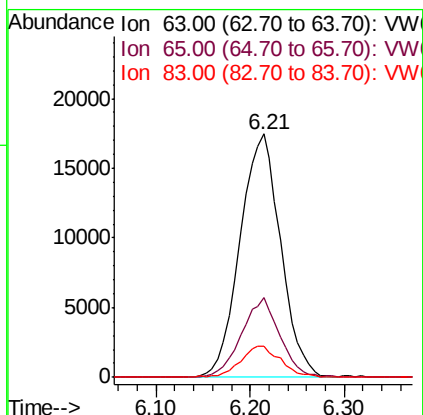
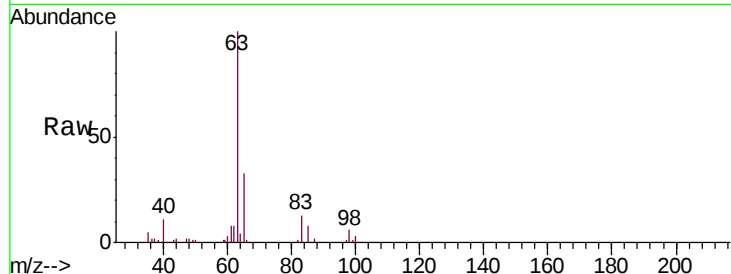




#19
 1,1-Dichloroethane
 Concen: 10.217 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

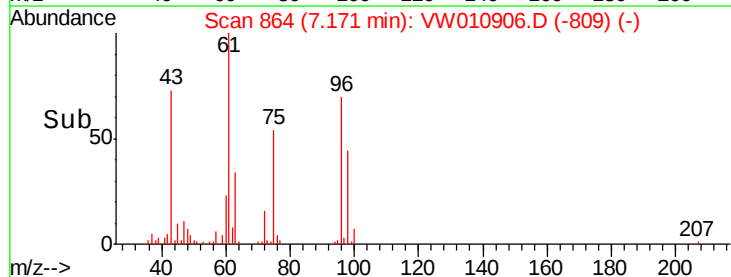
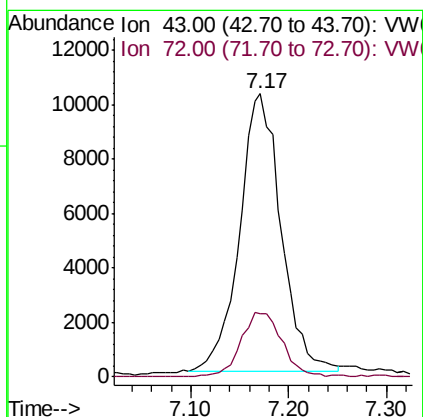
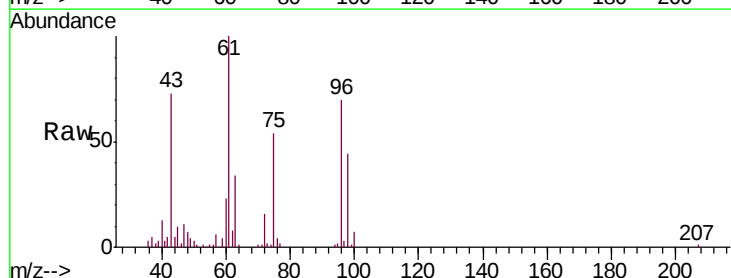
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

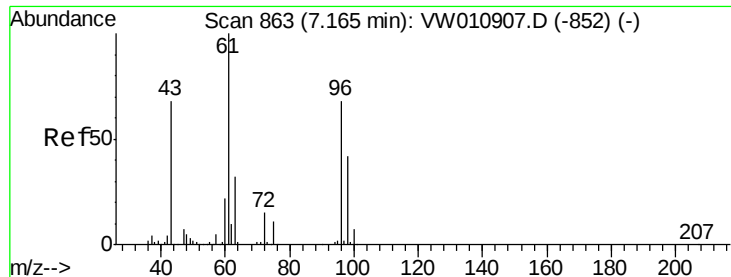
Tgt Ion: 63 Resp: 52752
 Ion Ratio Lower Upper
 63 100
 65 32.7 21.8 40.4
 83 12.9 8.8 16.4



#21
 2-Butanone
 Concen: 18.847 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

Tgt Ion: 43 Resp: 30036
 Ion Ratio Lower Upper
 43 100
 72 22.9 11.1 33.1



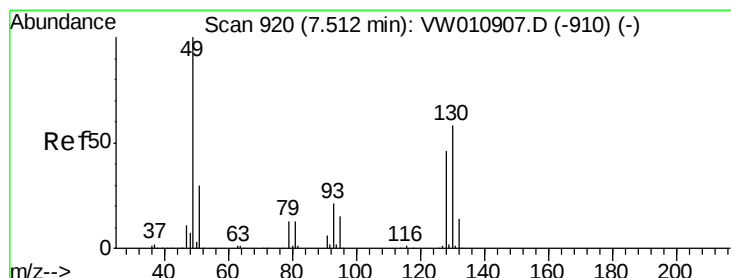
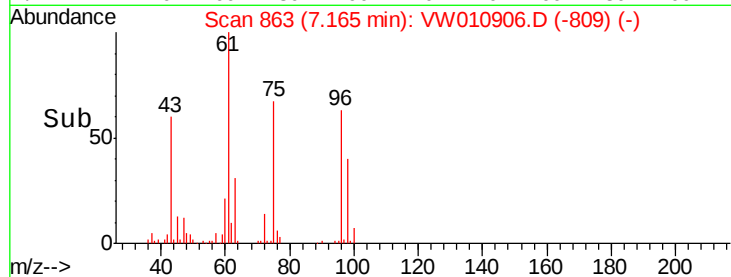
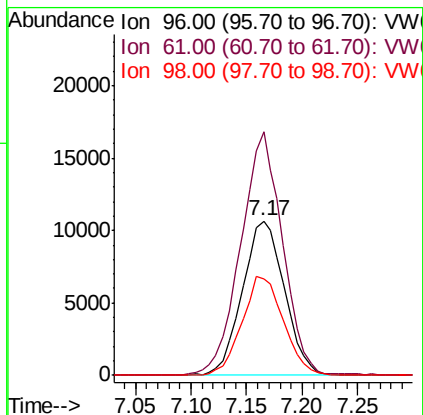
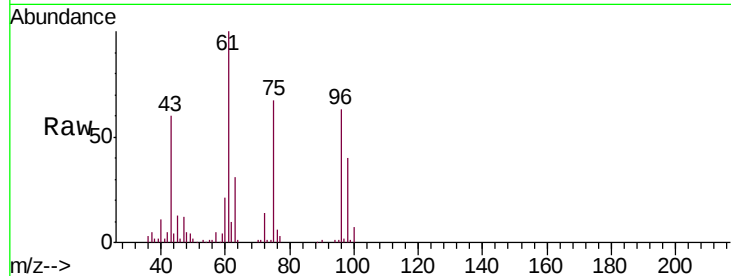


#22

cis-1,2-Dichloroethene
Concen: 9.977 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

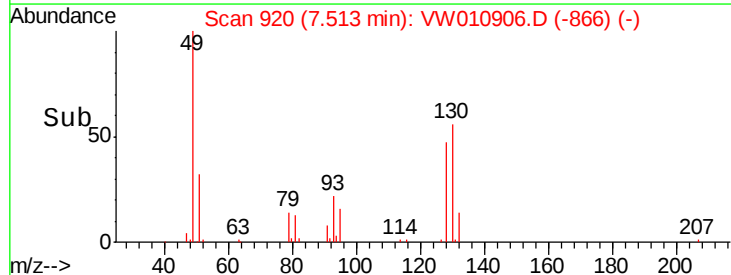
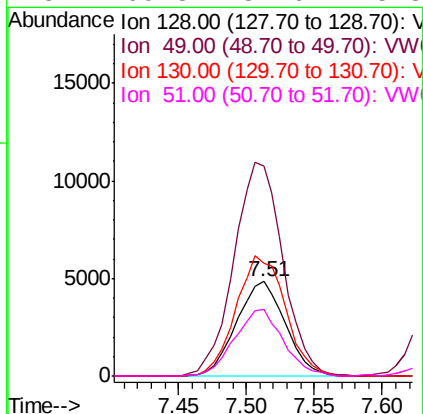
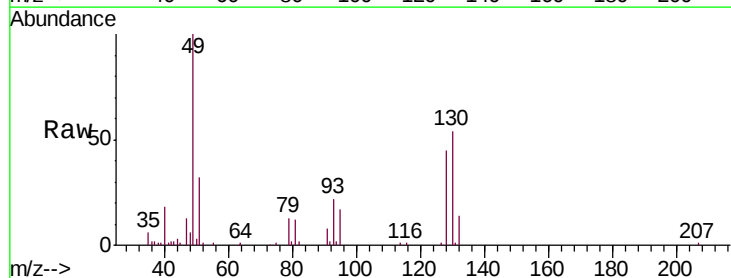
Tgt Ion: 96 Resp: 28096
Ion Ratio Lower Upper
96 100
61 158.1 103.0 191.2
98 62.5 43.5 80.9

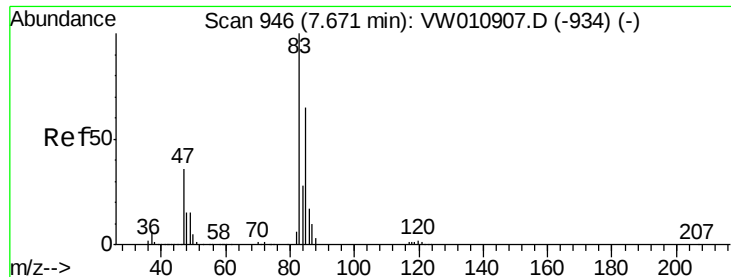


#23

Bromochloromethane
Concen: 10.350 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

Tgt Ion: 128 Resp: 12138
Ion Ratio Lower Upper
128 100
49 221.2 151.2 280.8
130 119.5 87.8 163.0
51 69.8 52.6 78.8

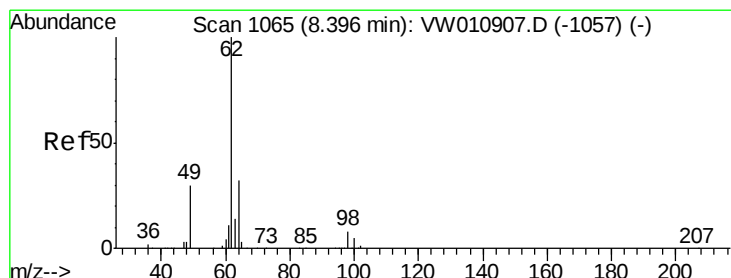
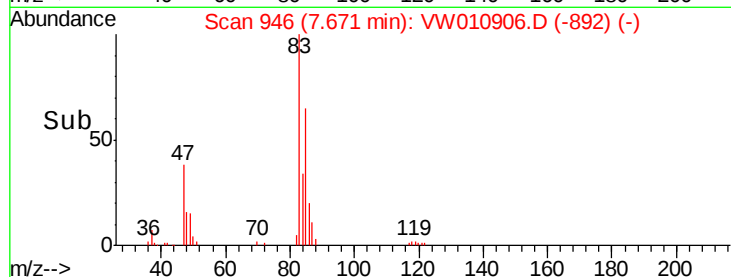
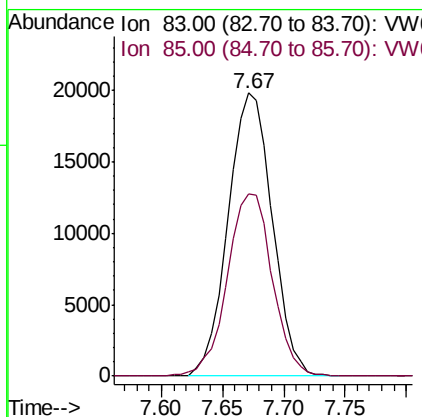
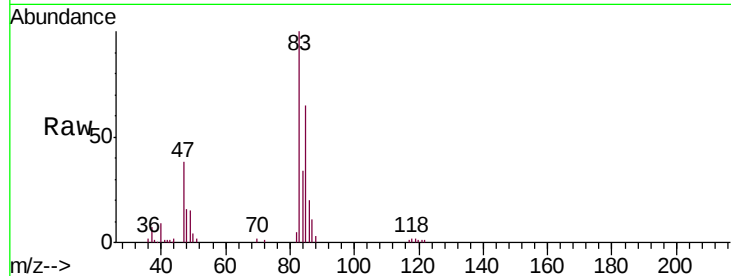




#25
Chloroform
Concen: 8.607 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

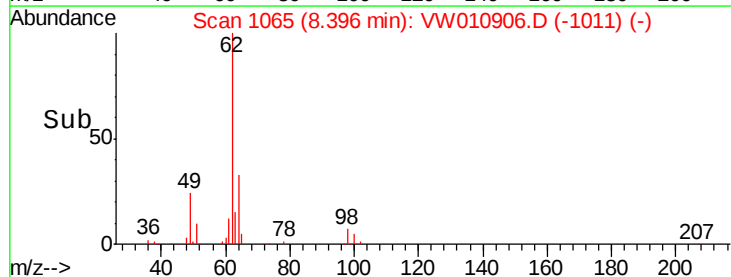
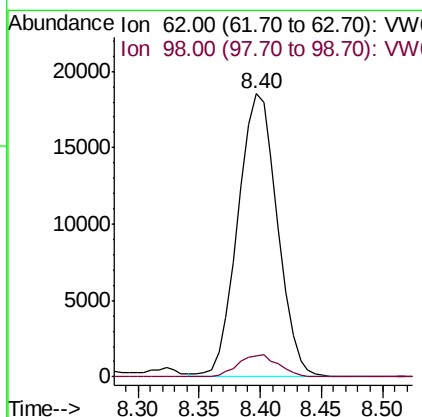
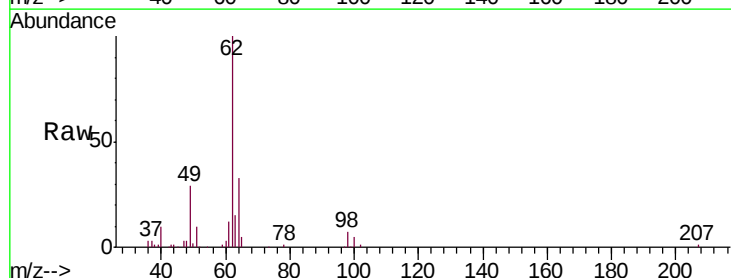
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

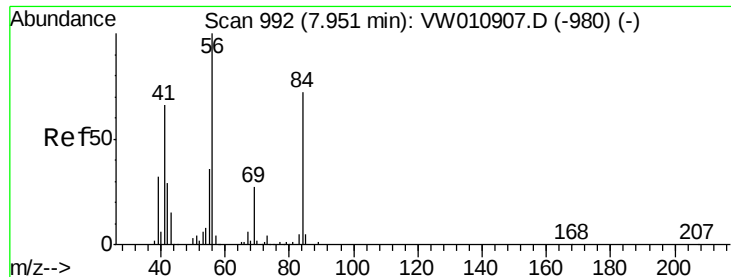
Tgt Ion: 83 Resp: 49549
Ion Ratio Lower Upper
83 100
85 65.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 10.860 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

Tgt Ion: 62 Resp: 41691
Ion Ratio Lower Upper
62 100
98 7.5 6.3 9.5

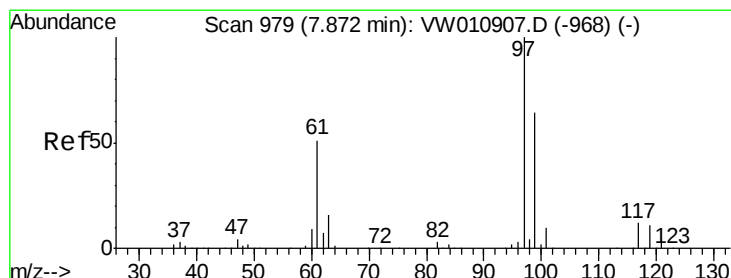
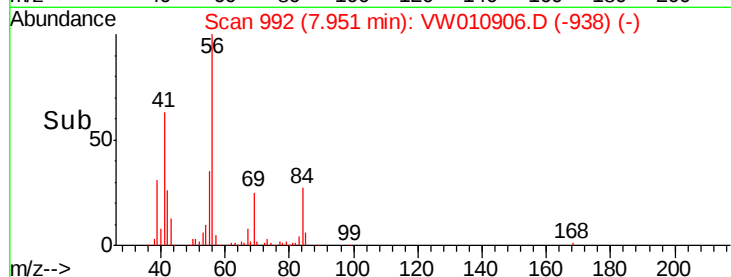
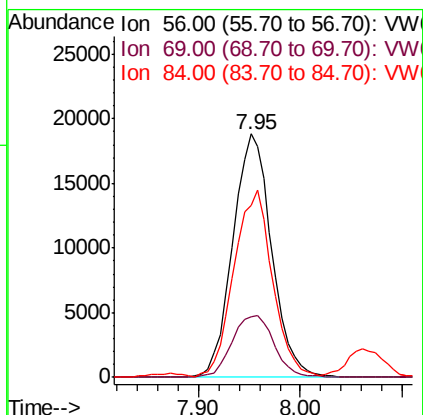
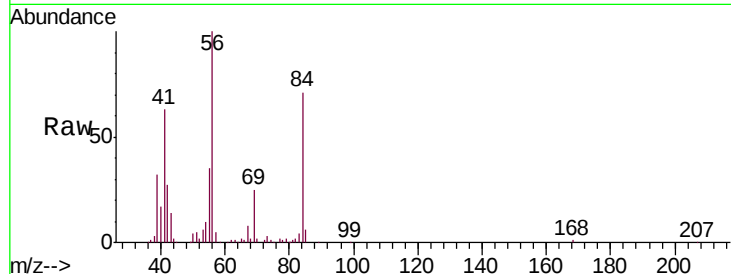




#30
Cyclohexane
Concen: 9.555 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

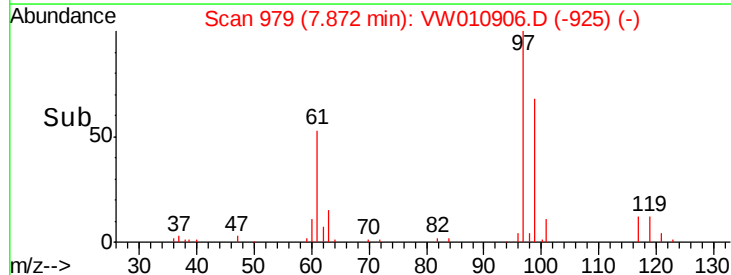
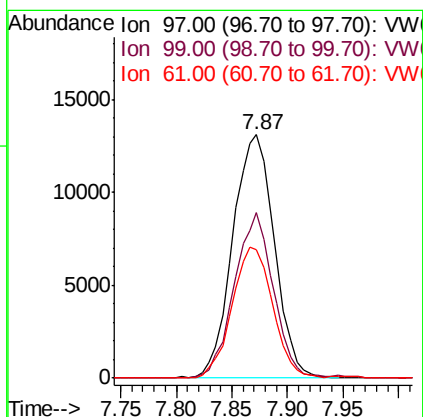
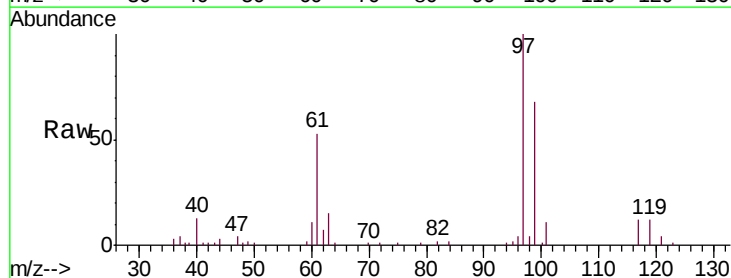
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

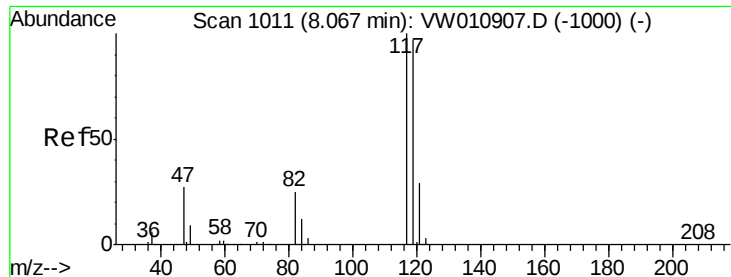
Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.3	22.3	33.5
84	76.6	60.3	90.5



#31
1,1,1-Trichloroethane
Concen: 8.528 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	52.6	41.6	62.4





#32

Carbon tetrachloride

Concen: 8.841 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampled :

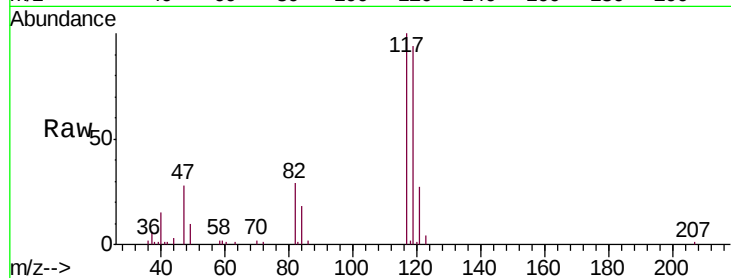
VSTD00502

Tgt Ion:117 Resp: 30010

Ion Ratio Lower Upper

117 100

119 95.7 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

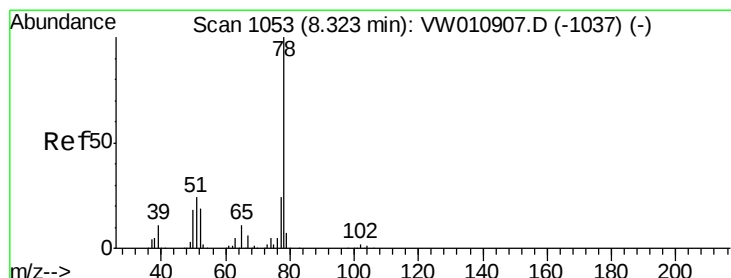
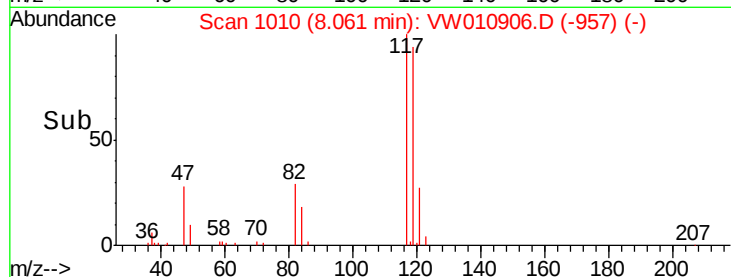
8.06

10000

5000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 10.342 ug/L

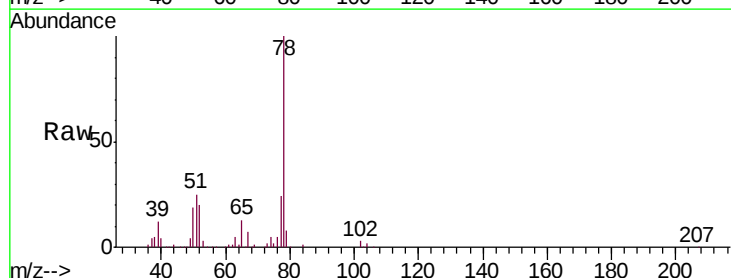
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Tgt Ion: 78 Resp: 111431



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

50000

40000

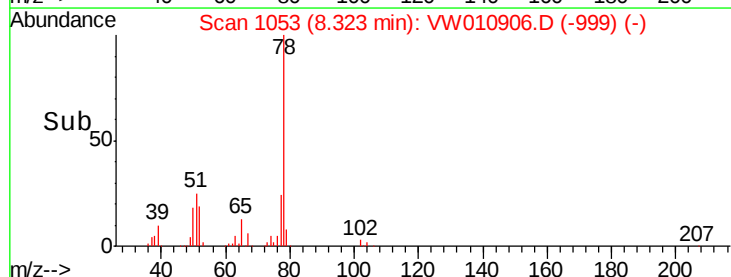
30000

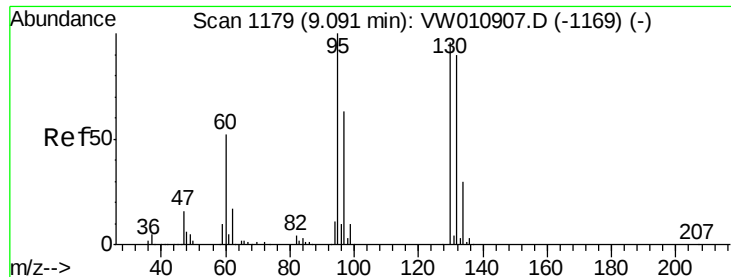
20000

10000

0

Time--> 8.20 8.30 8.40

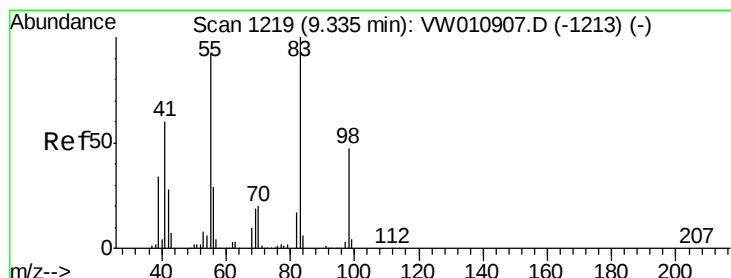
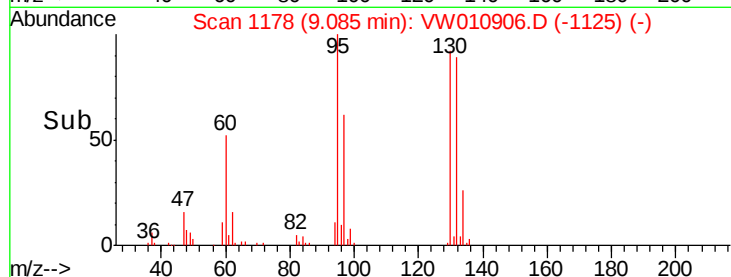
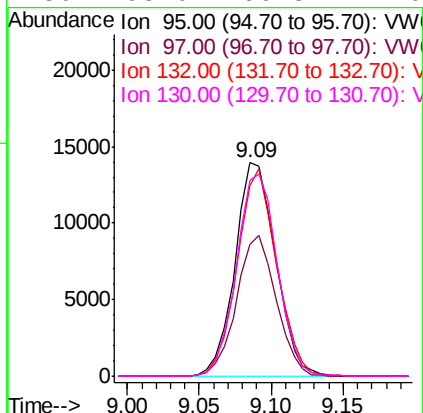
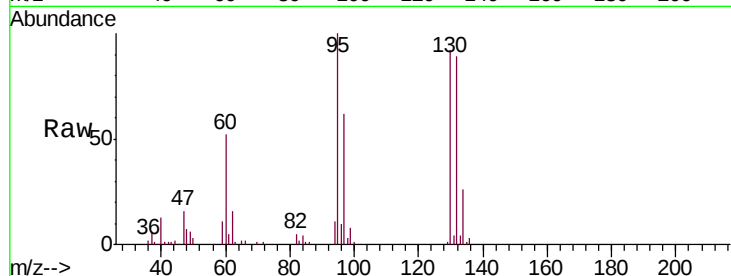




#35
 Trichloroethene
 Concen: 9.962 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

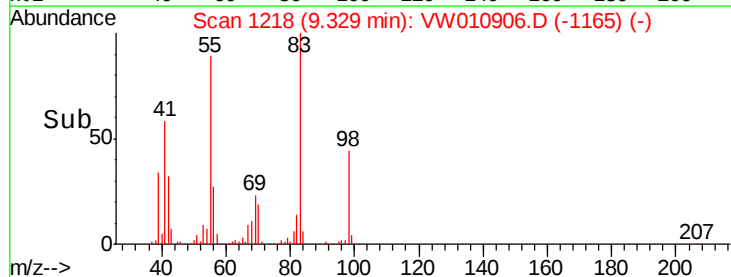
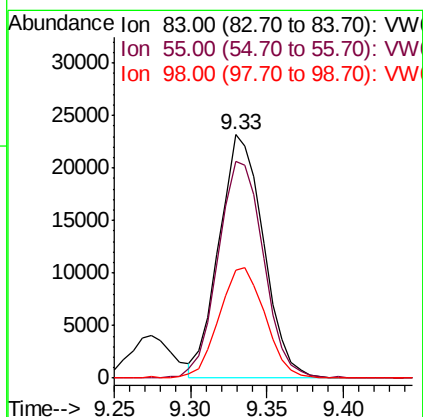
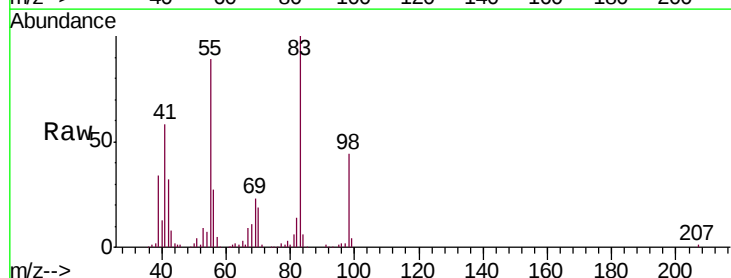
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00502

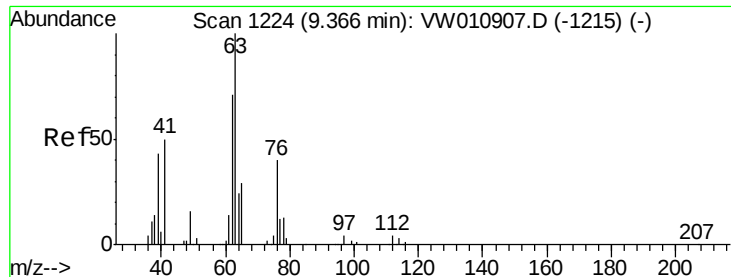
Tgt Ion: 95 Resp: 27402
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.5 82.7
 132 94.0 63.6 118.2
 130 95.0 66.8 124.0



#36
 Methylcyclohexane
 Concen: 9.579 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

Tgt Ion: 83 Resp: 46767
 Ion Ratio Lower Upper
 83 100
 55 91.4 72.6 109.0
 98 46.9 37.9 56.9

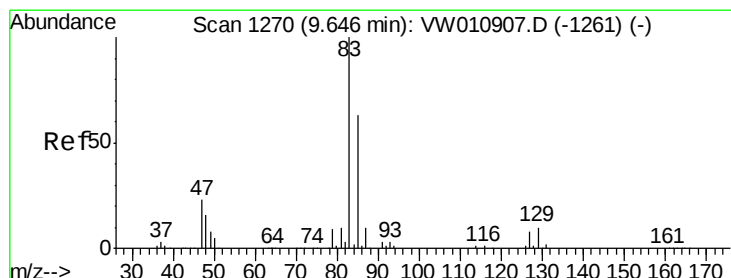
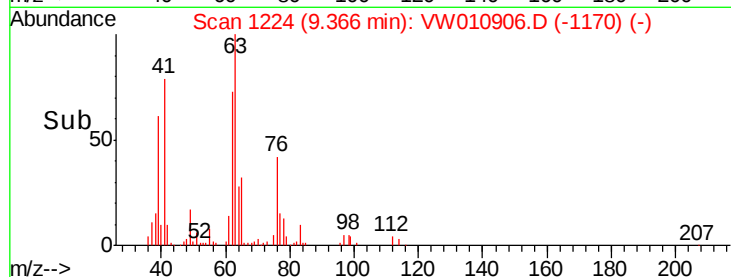
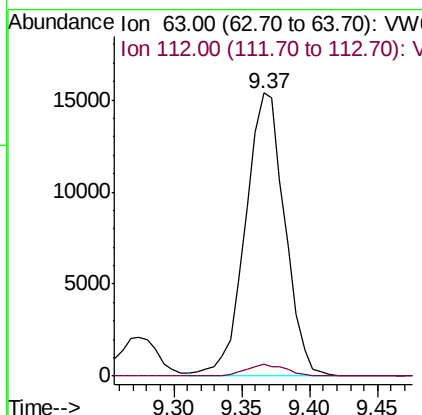
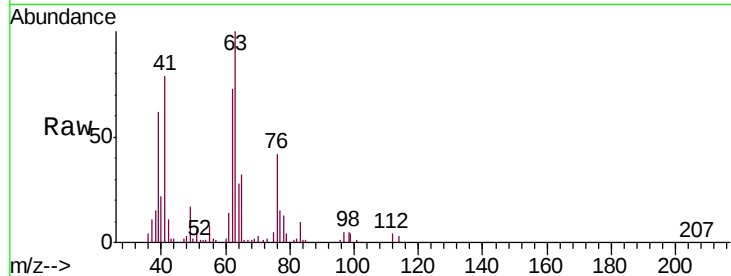




#40
 1,2-Dichloropropane
 Concen: 10.407 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

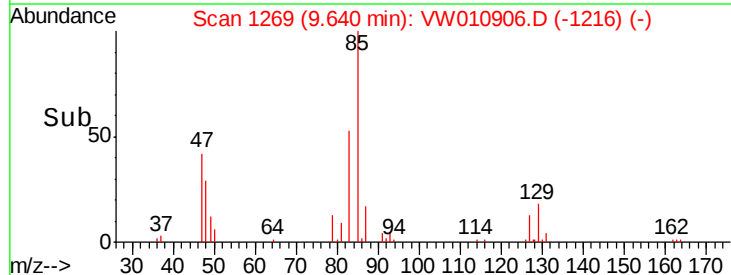
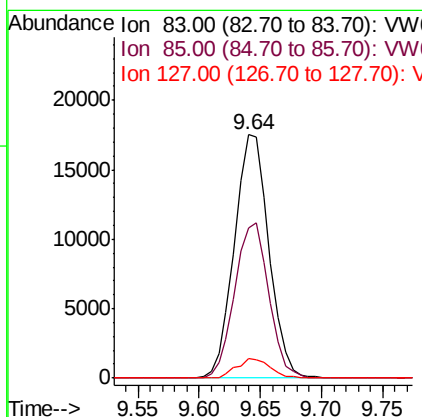
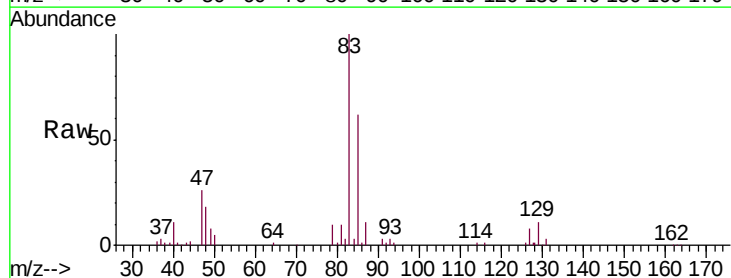
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

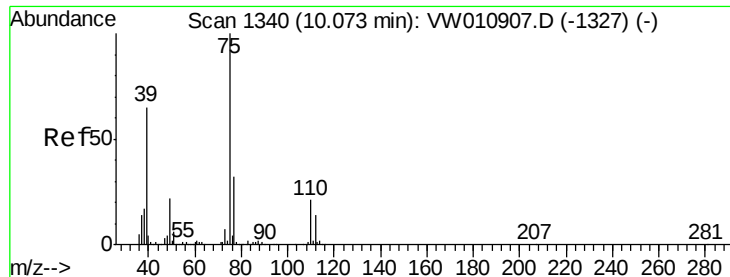
Tgt Ion: 63 Resp: 31223
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#41
 Bromodichloromethane
 Concen: 9.756 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

Tgt Ion: 83 Resp: 34277
 Ion Ratio Lower Upper
 83 100
 85 61.5 43.8 81.4
 127 8.7 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 9.355 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

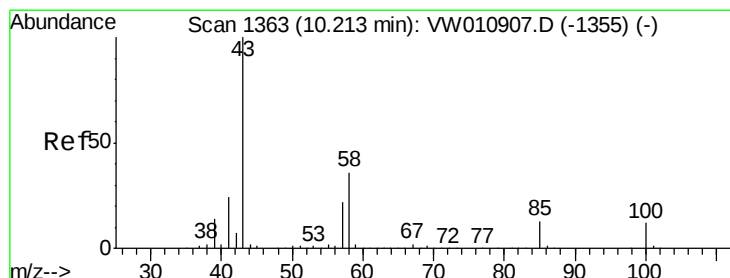
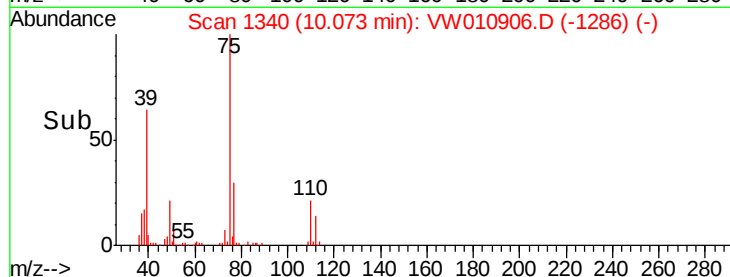
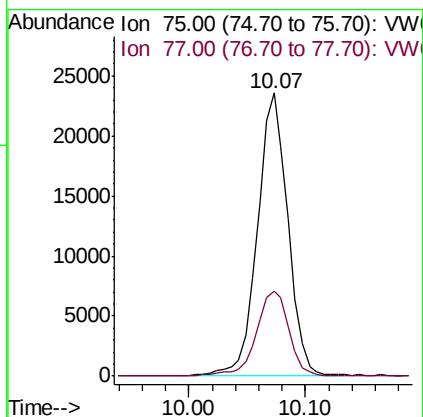
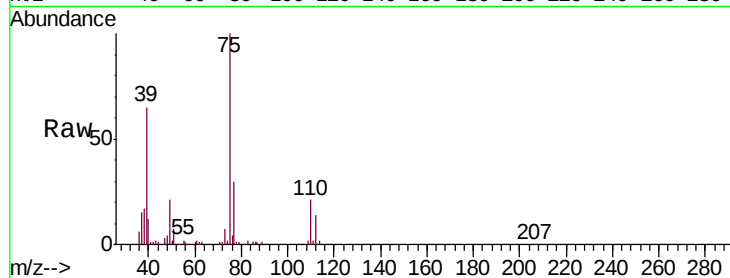
VSTD00502

Tgt Ion: 75 Resp: 42878

Ion Ratio Lower Upper

75 100

77 30.2 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 21.735 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

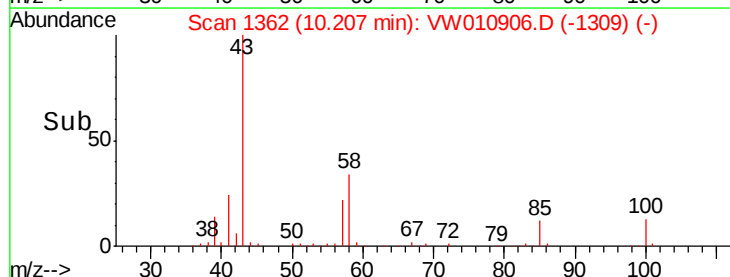
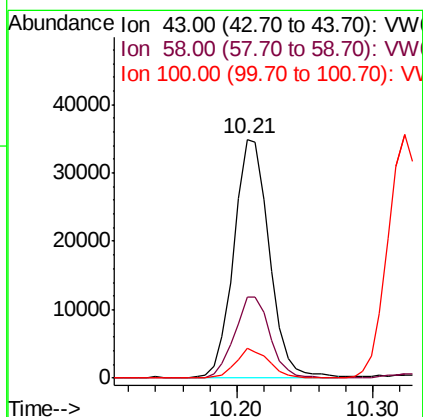
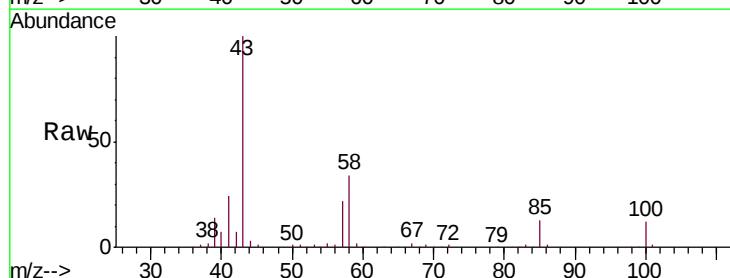
Tgt Ion: 43 Resp: 63225

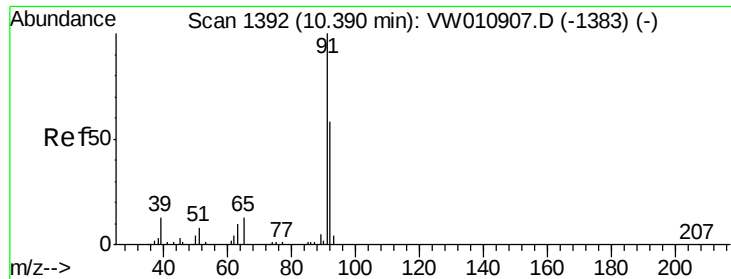
Ion Ratio Lower Upper

43 100

58 34.4 27.9 41.9

100 11.7 9.4 14.2





#44

Toluene

Concen: 10.138 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

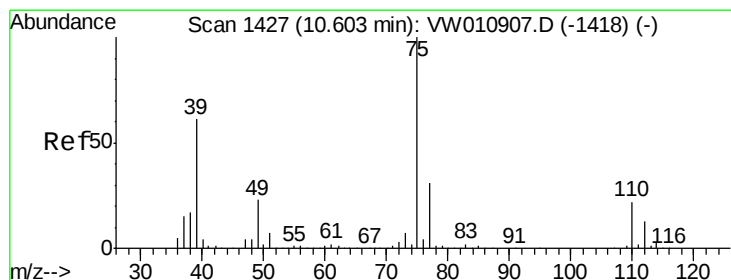
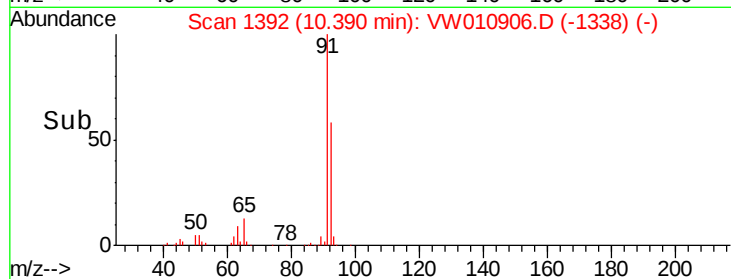
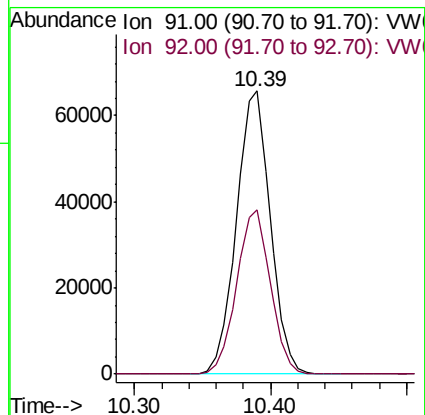
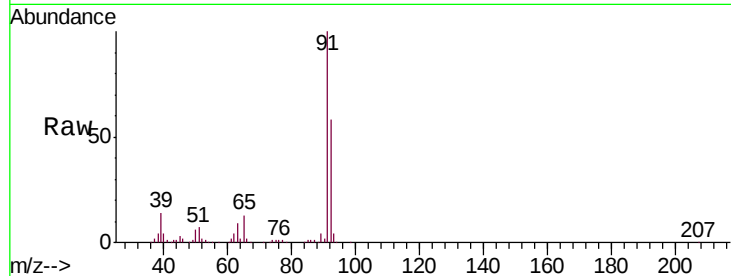
VSTD00502

Tgt Ion: 91 Resp: 114441

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 9.240 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010906.D

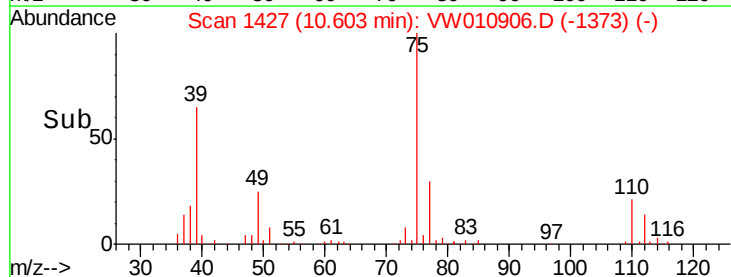
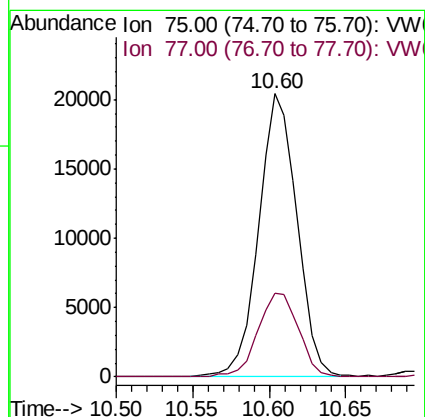
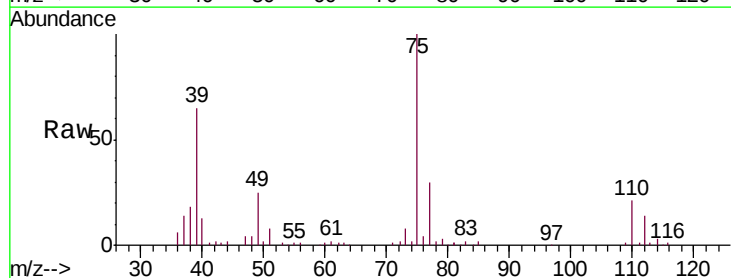
Acq: 21 Jun 2019 21:35

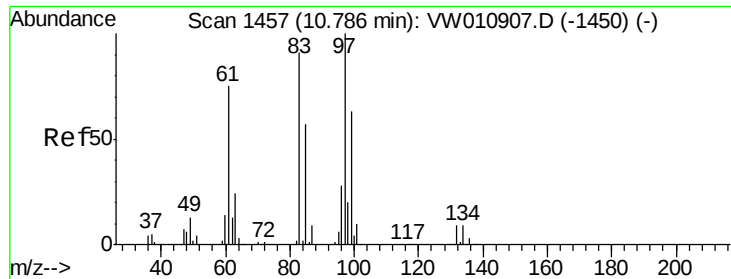
Tgt Ion: 75 Resp: 35552

Ion Ratio Lower Upper

75 100

77 29.6 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 10.400 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion: 97 Resp: 22202

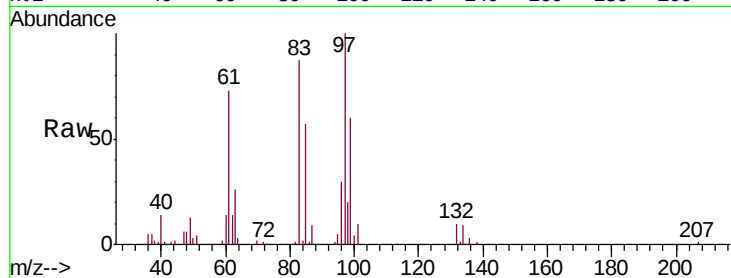
Ion Ratio Lower Upper

97 100

83 86.6 63.5 117.9

85 56.7 39.9 74.1

99 60.4 44.4 82.4



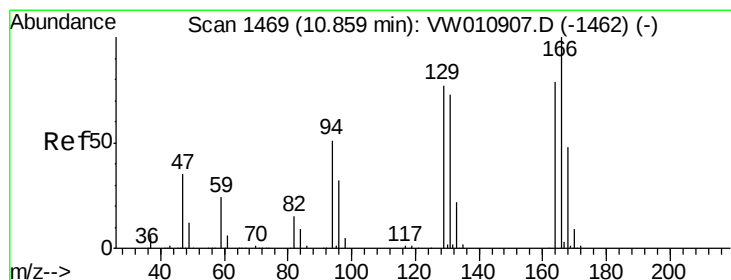
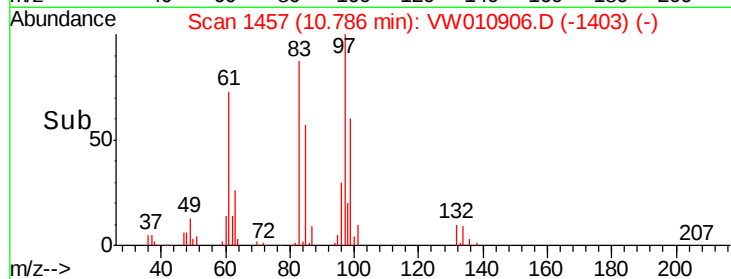
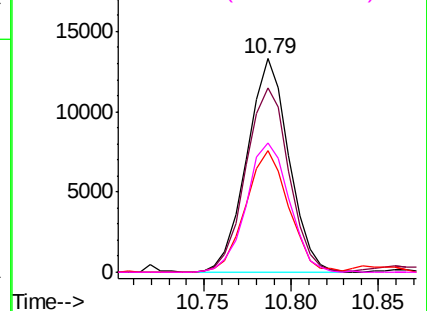
Abundance

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: 10.063 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Tgt Ion: 164 Resp: 20654

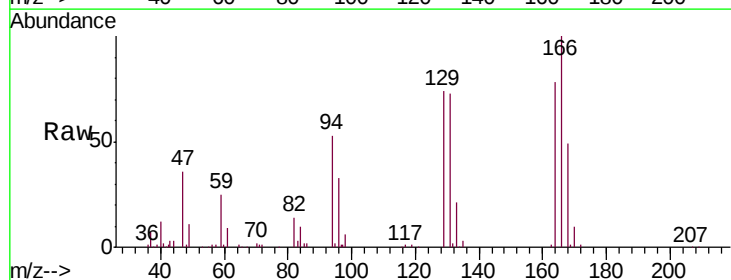
Ion Ratio Lower Upper

164 100

129 94.0 68.5 127.3

131 93.1 65.3 121.3

166 127.5 88.9 165.1



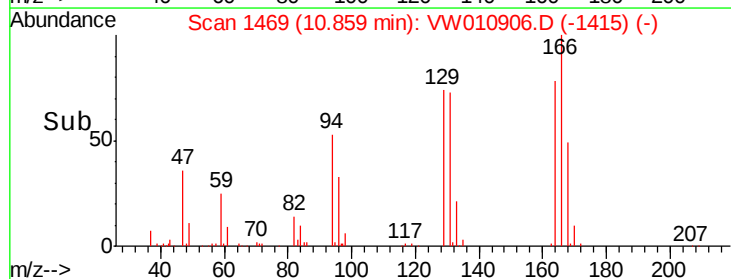
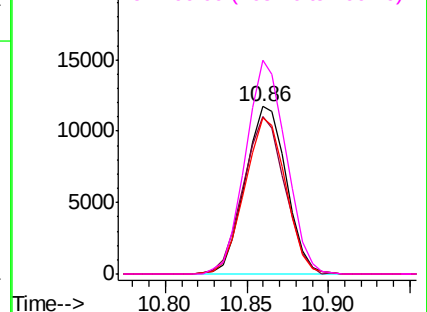
Abundance

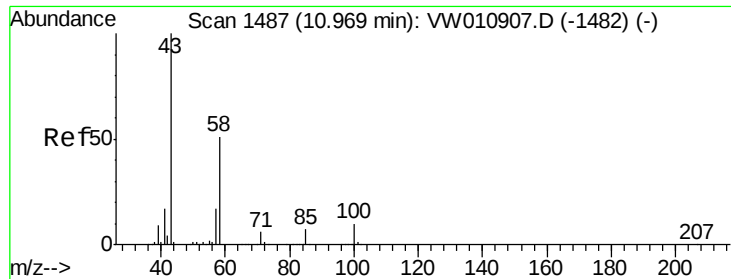
Ion 164.00 (163.70 to 164.70): V

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

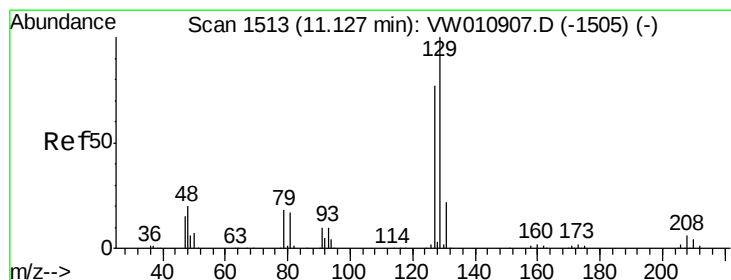
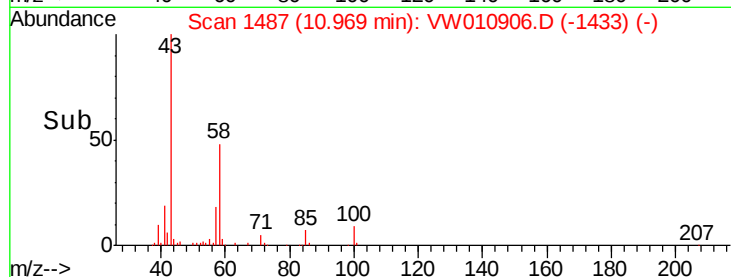
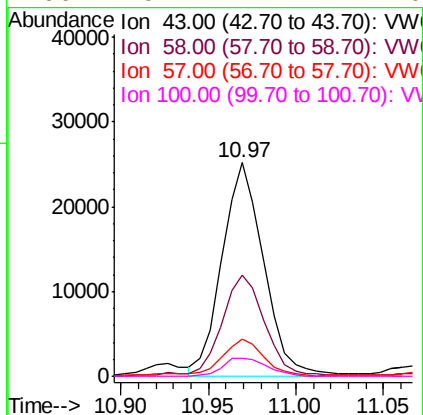
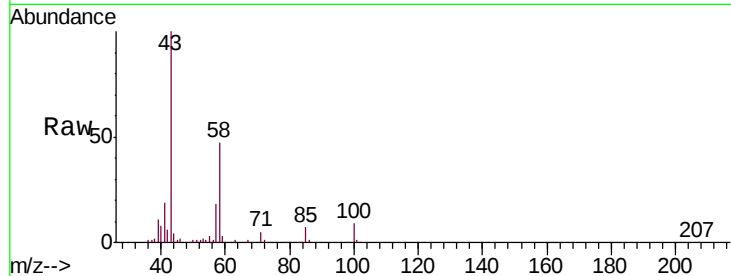




#49
2-Hexanone
Concen: 19.576 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

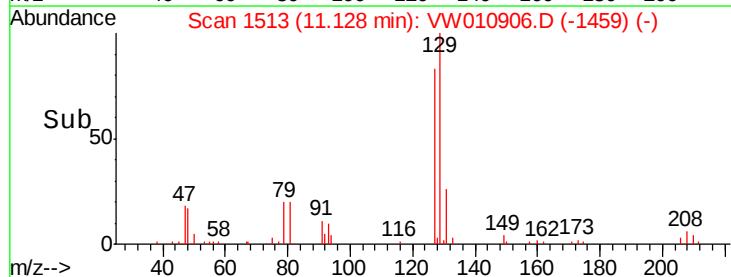
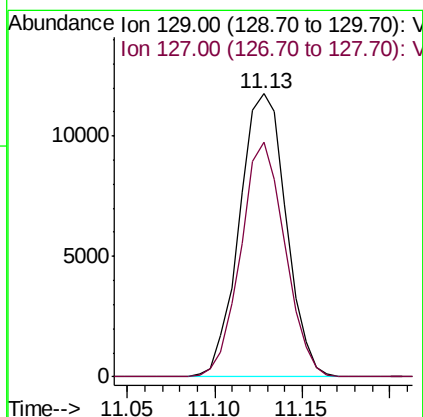
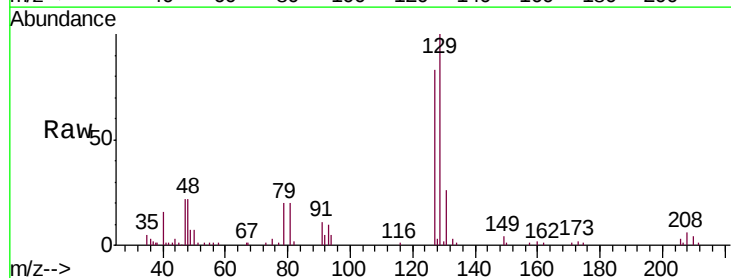
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

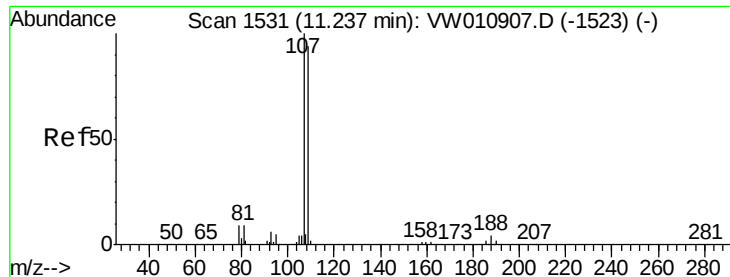
Tgt Ion:	43	Resp:	41373
Ion	Ratio	Lower	Upper
43	100		
58	48.8	38.2	57.2
57	16.9	13.5	20.3
100	9.2	7.4	11.0



#50
Dibromochloromethane
Concen: 9.299 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

Tgt Ion:	129	Resp:	21861
Ion	Ratio	Lower	Upper
129	100		
127	82.8	53.5	99.5

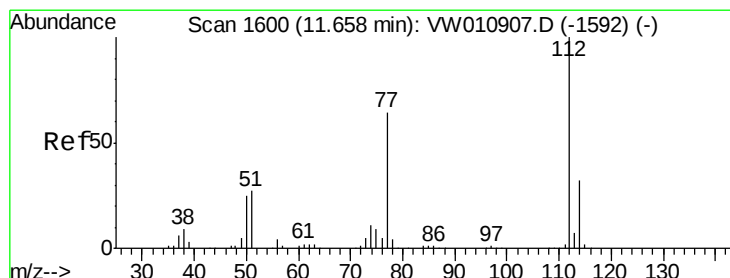
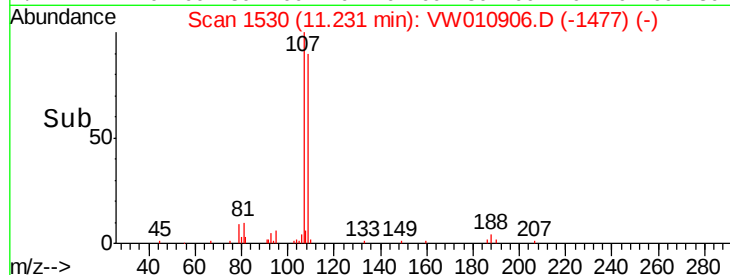
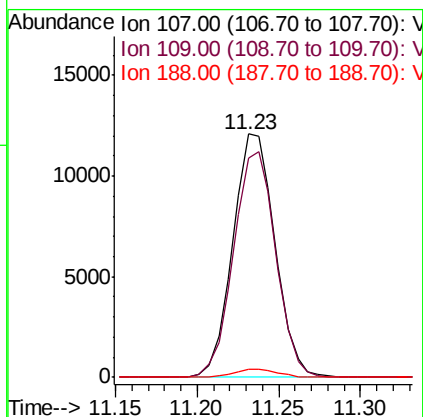
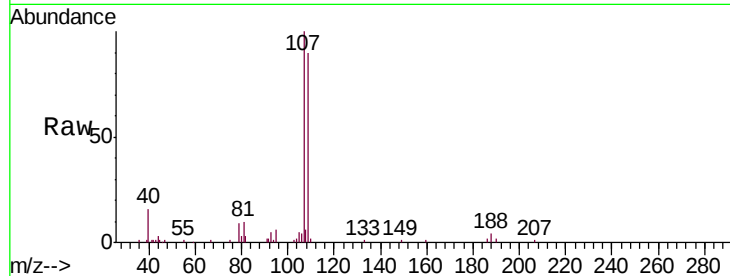




#51
1,2-Dibromoethane
Concen: 10.534 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

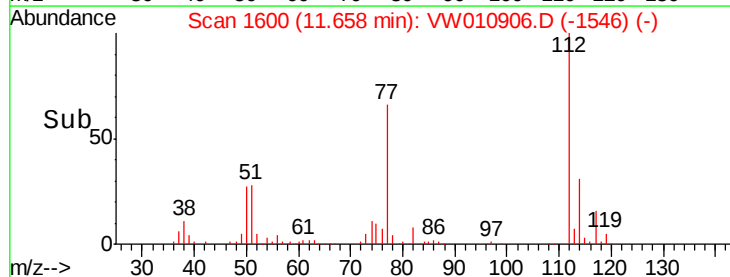
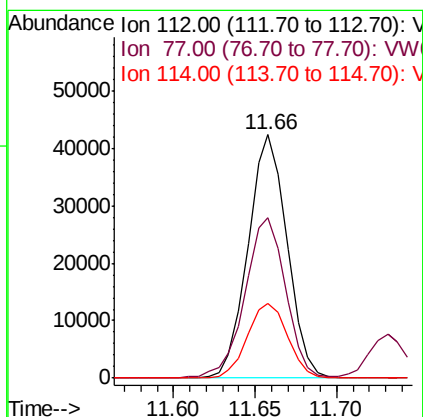
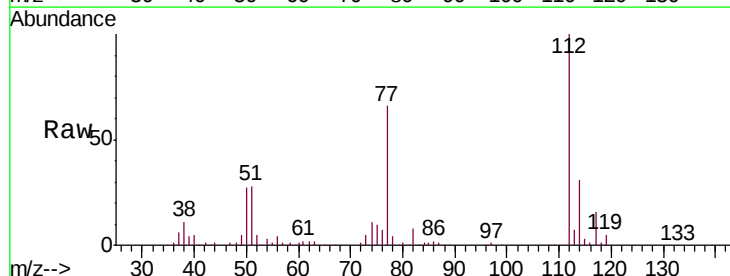
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

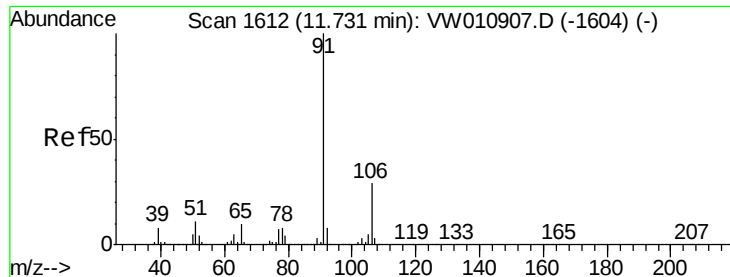
Tgt Ion:107 Resp: 21740
Ion Ratio Lower Upper
107 100
109 90.3 65.7 121.9
188 3.5 3.0 4.4



#52
Chlorobenzene
Concen: 10.112 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010906.D
Acq: 21 Jun 2019 21:35

Tgt Ion:112 Resp: 70689
Ion Ratio Lower Upper
112 100
77 65.7 51.4 77.0
114 30.8 22.5 41.9





#53

Ethylbenzene

Concen: 9.960 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

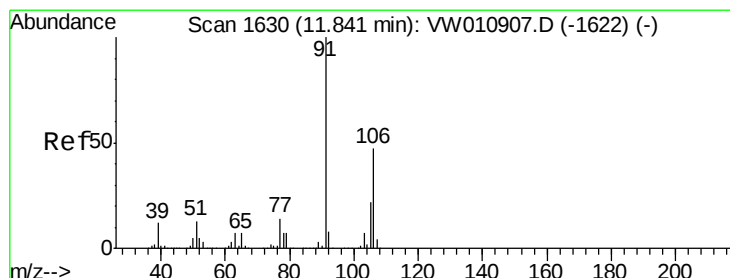
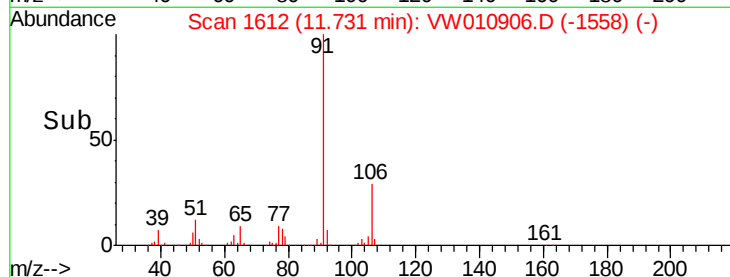
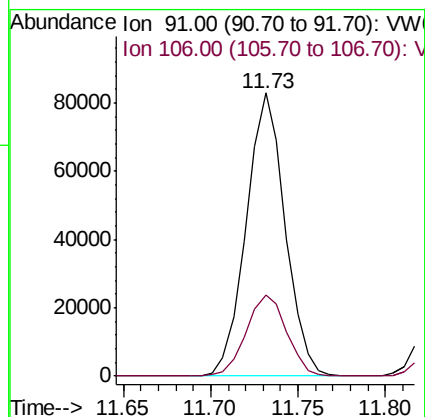
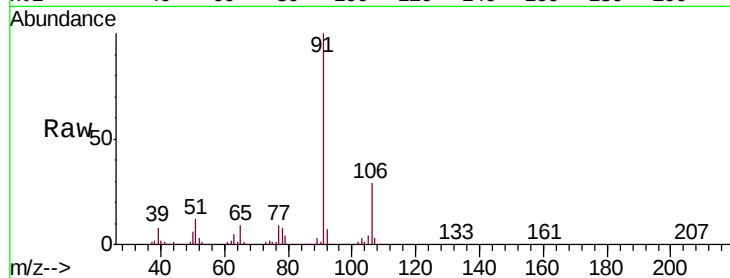
VSTD00502

Tgt Ion: 91 Resp: 127871

Ion Ratio Lower Upper

91 100

106 28.7 20.6 38.2



#54

m,p-Xylene

Concen: 10.015 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010906.D

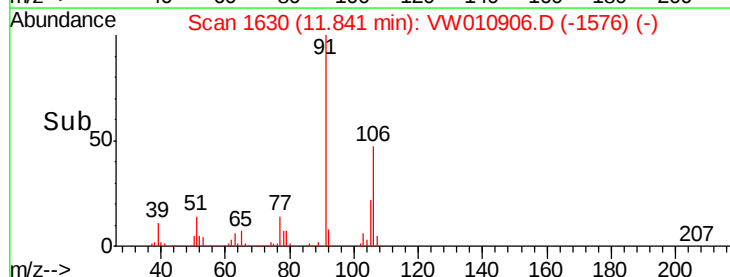
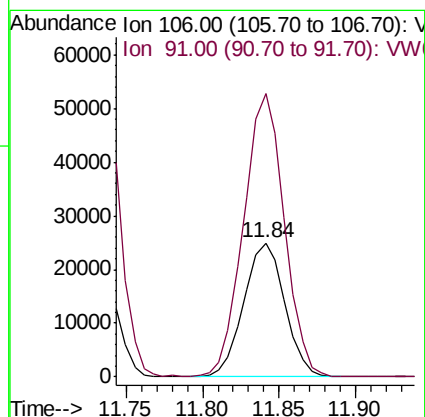
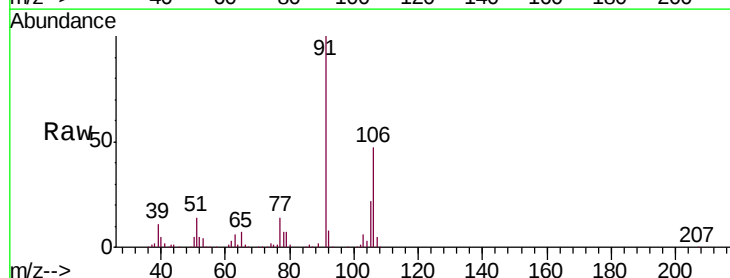
Acq: 21 Jun 2019 21:35

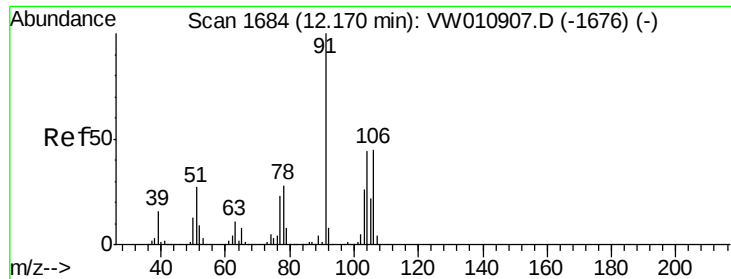
Tgt Ion: 106 Resp: 46532

Ion Ratio Lower Upper

106 100

91 211.6 148.3 275.3





#55

o-xylene

Concen: 9.845 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampled :

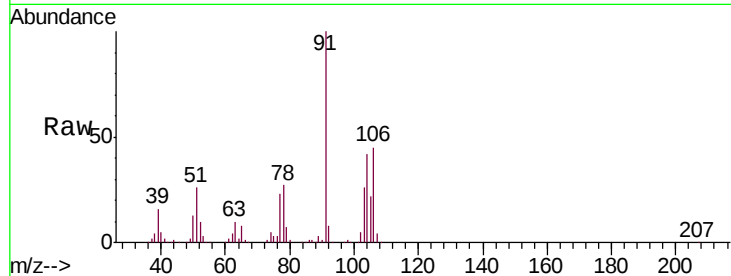
VSTD00502

Tgt Ion:106 Resp: 44343

Ion Ratio Lower Upper

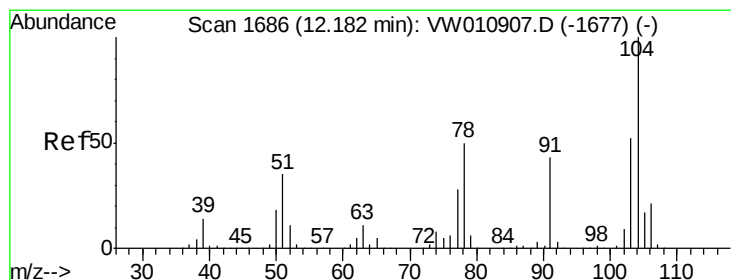
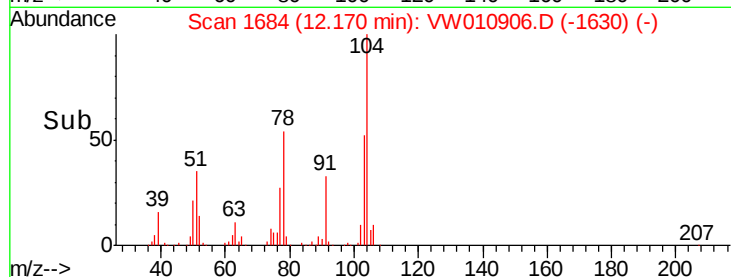
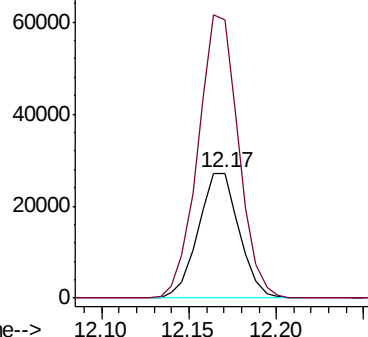
106 100

91 222.8 157.1 291.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 9.920 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010906.D

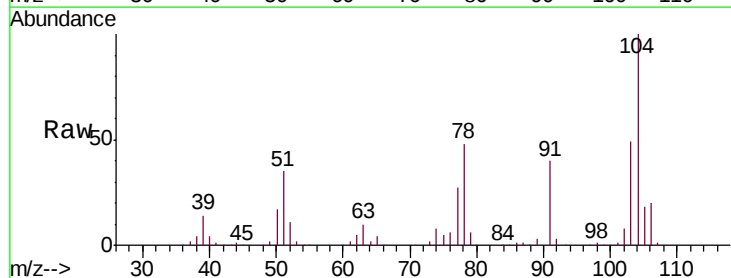
Acq: 21 Jun 2019 21:35

Tgt Ion:104 Resp: 77762

Ion Ratio Lower Upper

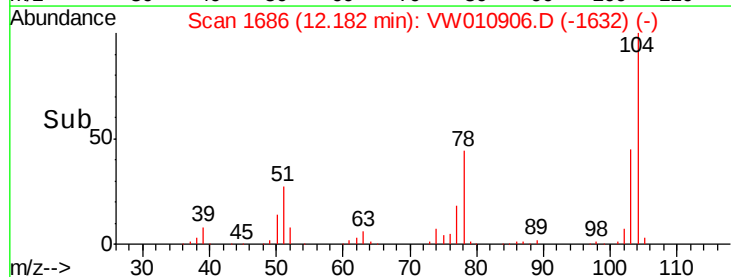
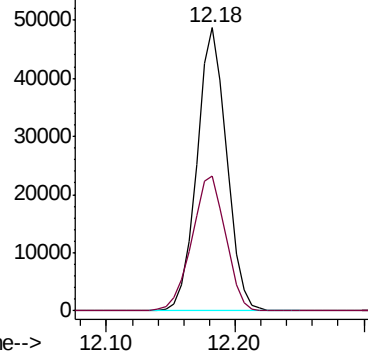
104 100

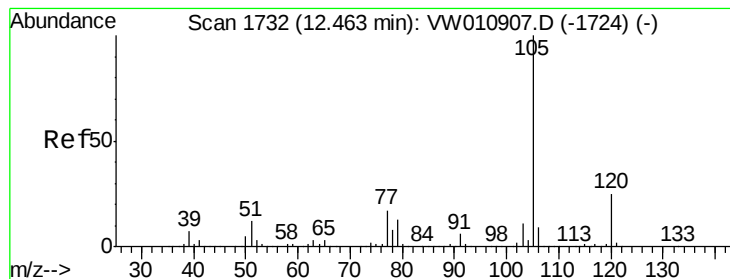
78 47.6 34.8 64.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 9.715 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

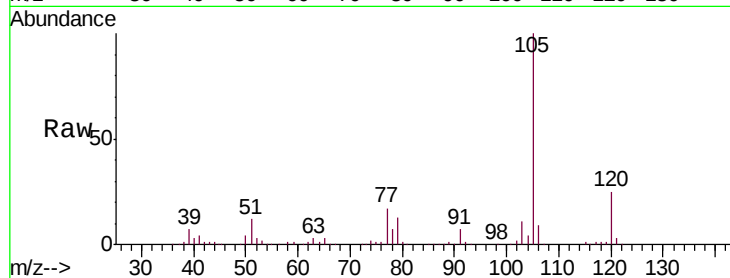
Tgt Ion: 105 Resp: 118928

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

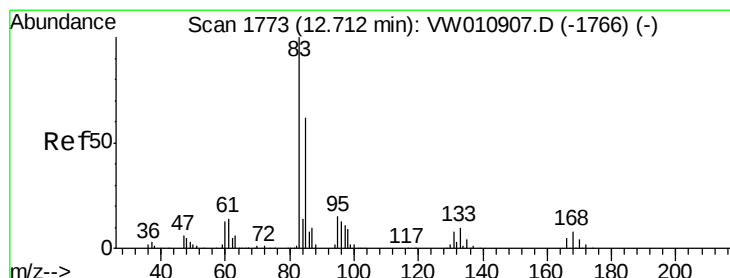
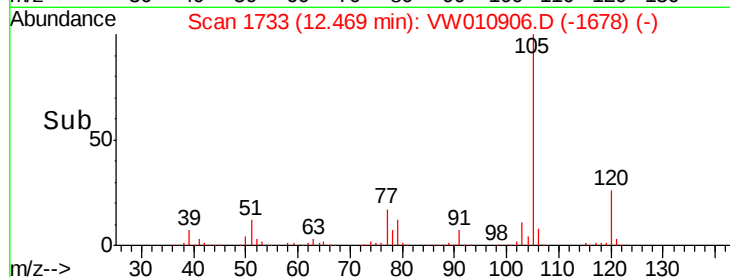
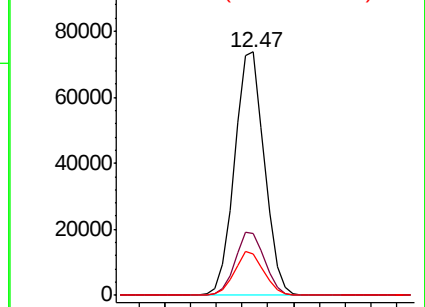
77 17.6 13.6 20.4



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: 10.338 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

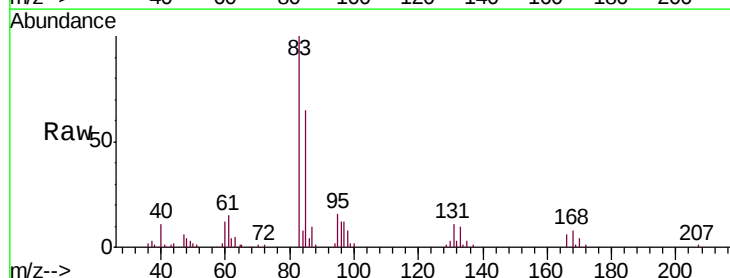
Tgt Ion: 83 Resp: 29563

Ion Ratio Lower Upper

83 100

85 64.6 43.8 81.3

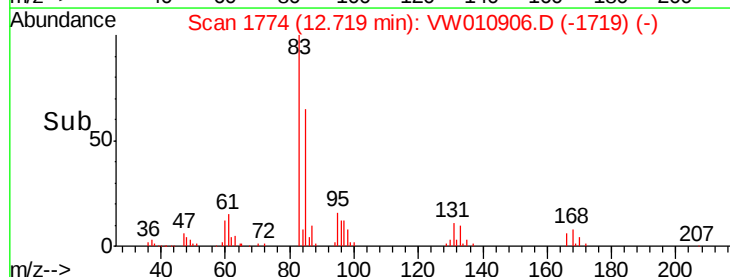
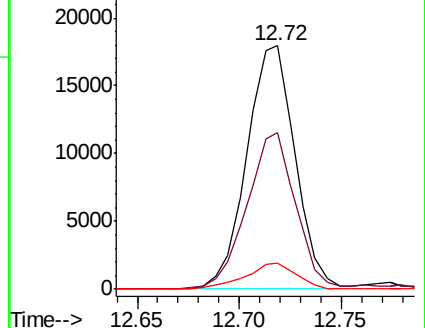
131 10.5 6.9 10.3#

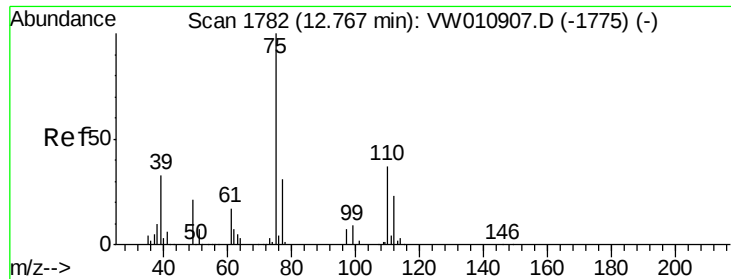


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 10.598 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

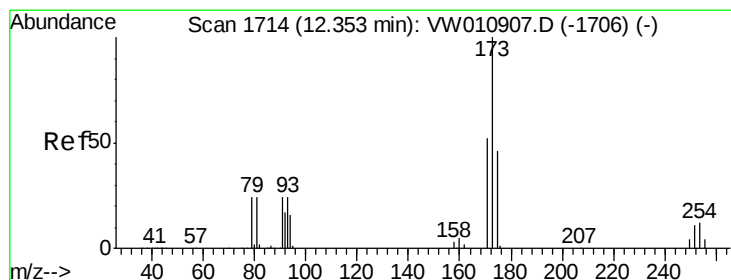
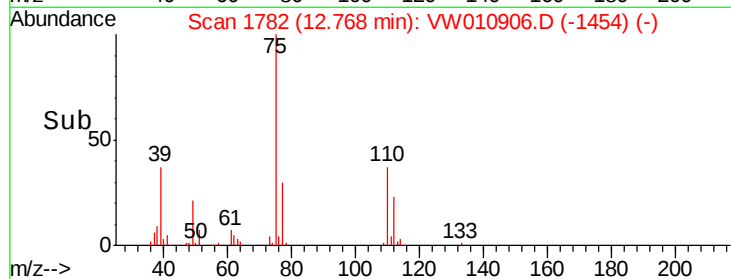
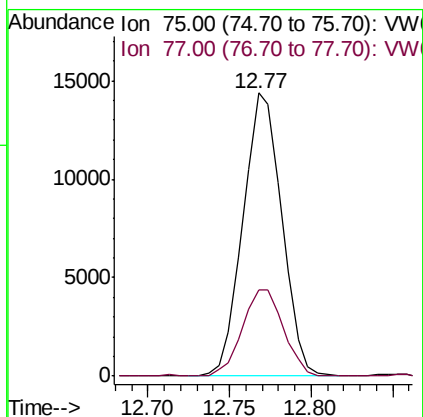
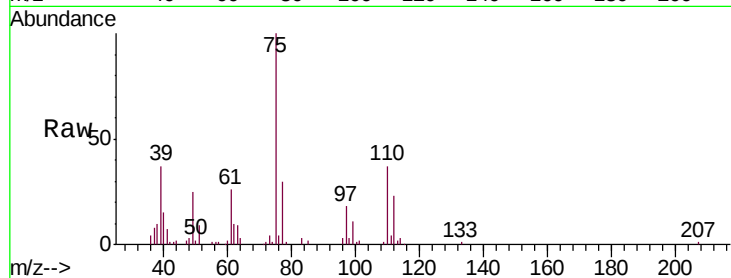
VSTD00502

Tgt Ion: 75 Resp: 23934

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



#62

Bromoform

Concen: 8.511 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

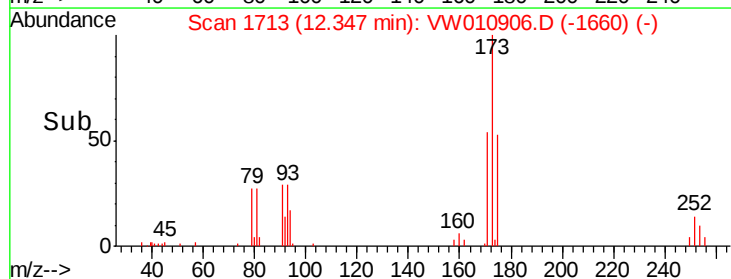
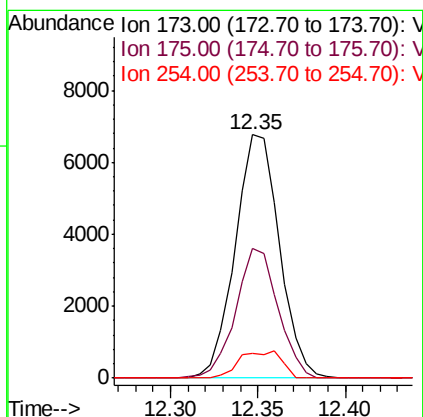
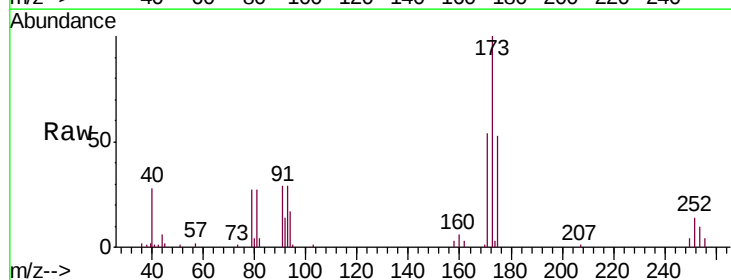
Tgt Ion: 173 Resp: 11907

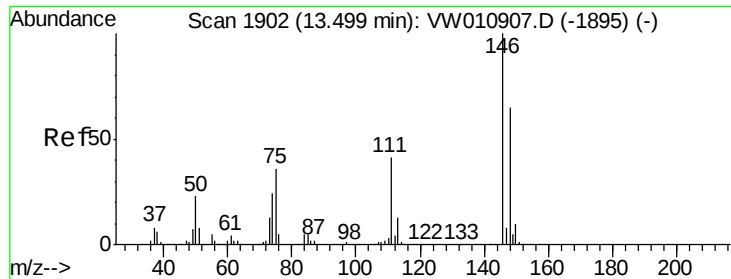
Ion Ratio Lower Upper

173 100

175 50.9 38.2 57.2

254 7.1 8.5 12.7#

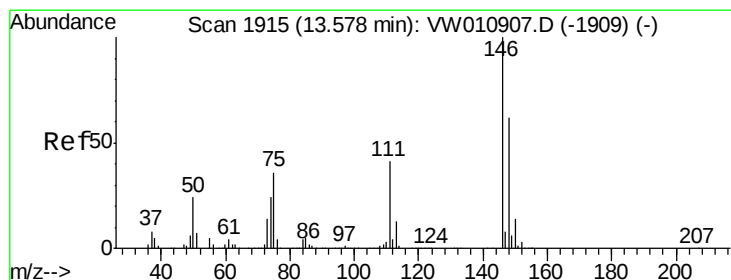
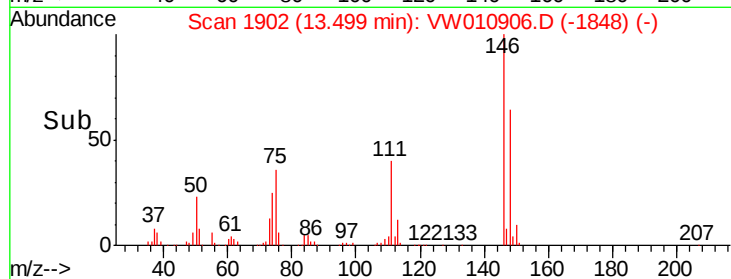
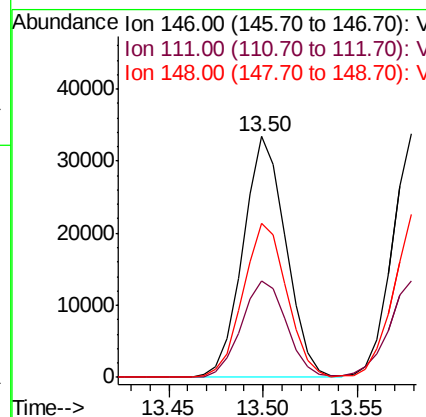
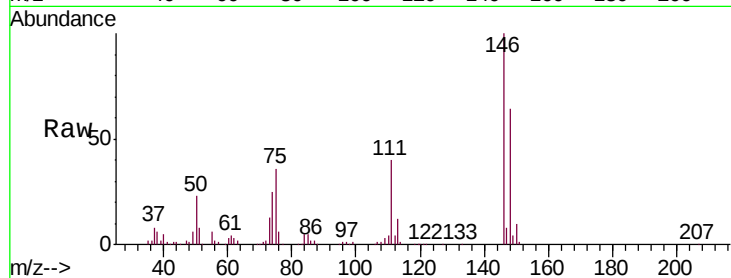




#63
 1,3-Dichlorobenzene
 Concen: 9.781 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

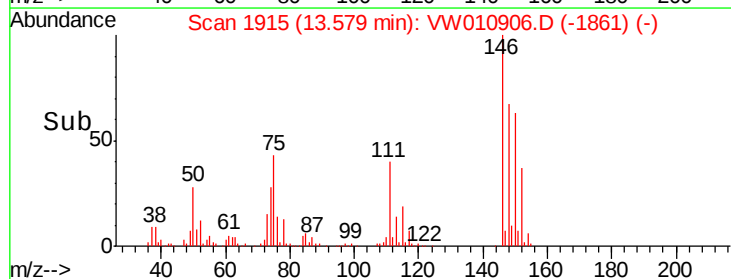
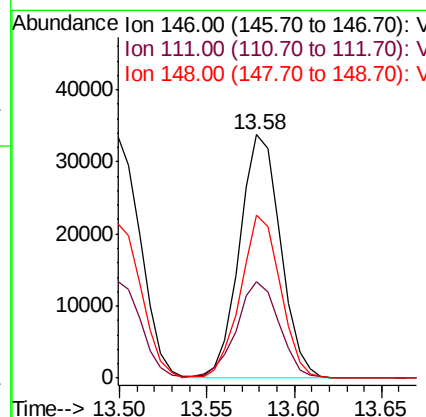
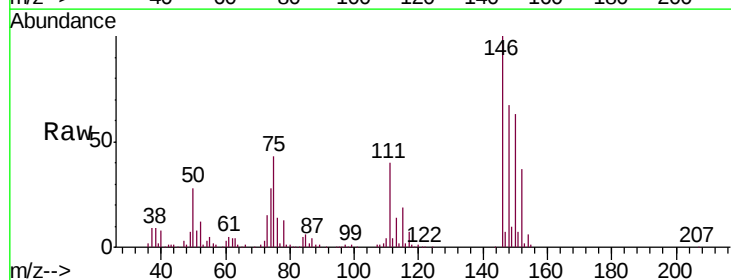
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

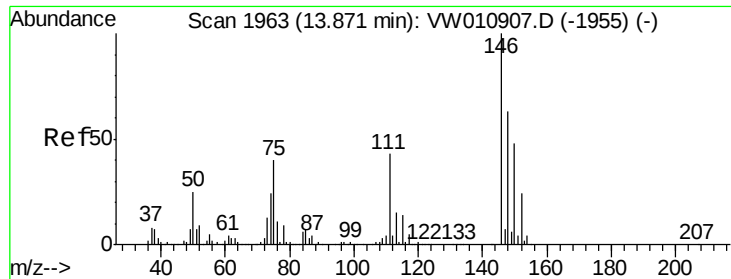
Tgt Ion:146 Resp: 52654
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.8 53.6
 148 63.8 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 10.037 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

Tgt Ion:146 Resp: 54948
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.7 53.3
 148 66.8 43.8 81.3

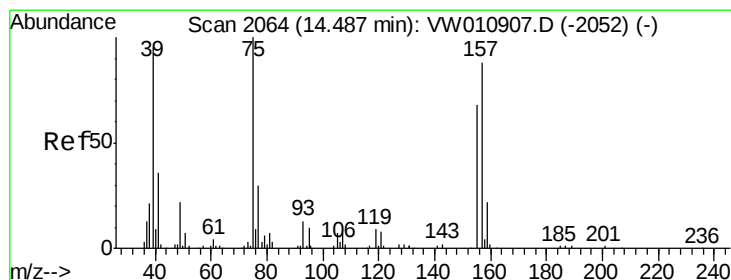
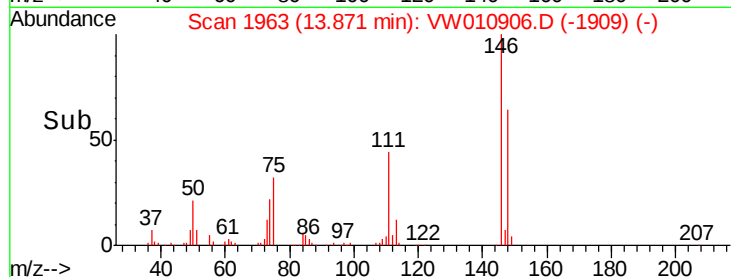
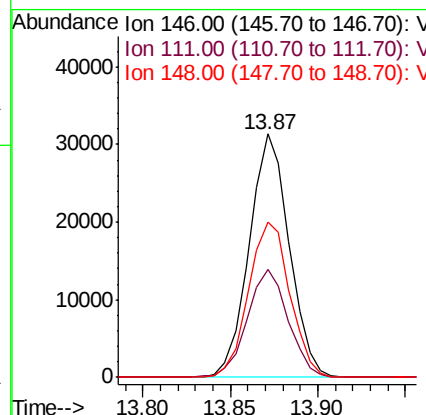
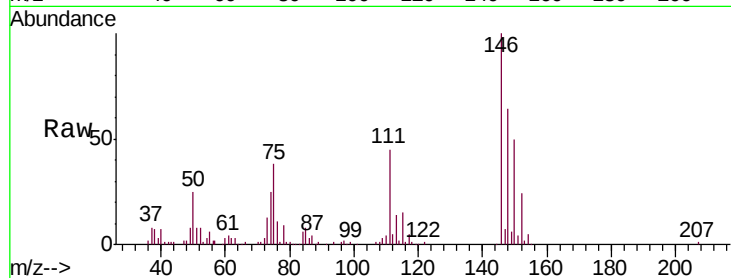




#65
 1,2-Dichlorobenzene
 Concen: 9.826 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

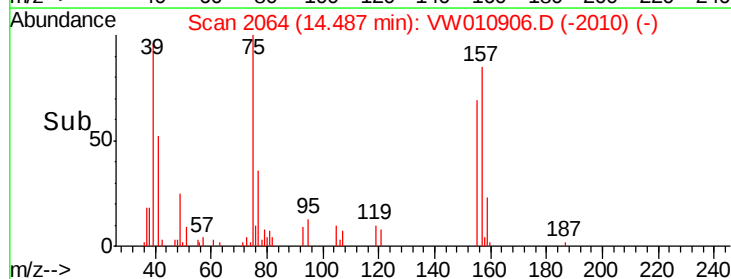
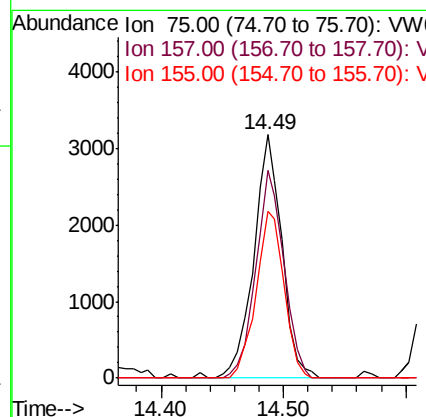
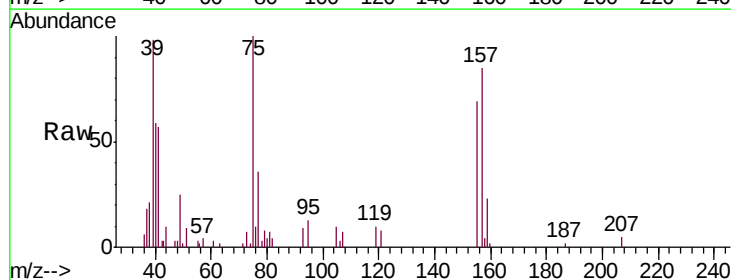
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

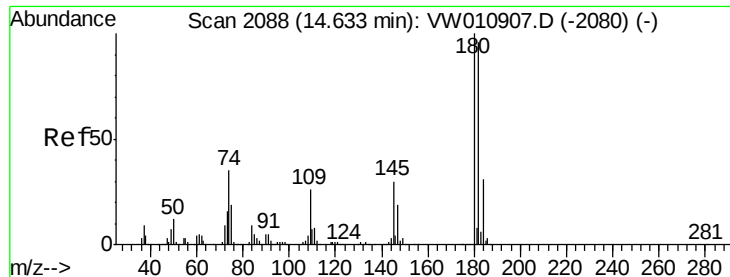
Tgt Ion: 146 Resp: 49818
 Ion Ratio Lower Upper
 146 100
 111 44.6 34.6 51.8
 148 63.9 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.524 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

Tgt Ion: 75 Resp: 5099
 Ion Ratio Lower Upper
 75 100
 157 85.4 70.1 105.1
 155 68.5 54.5 81.7

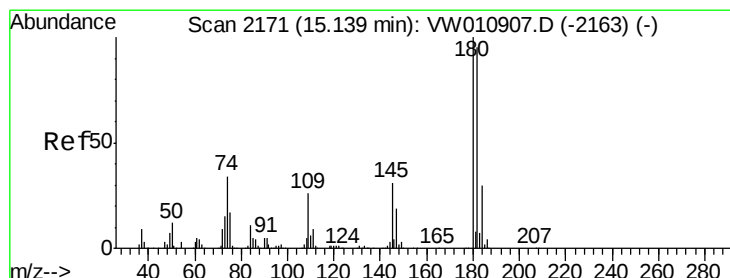
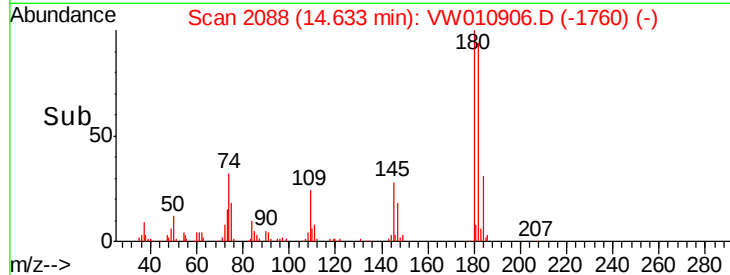
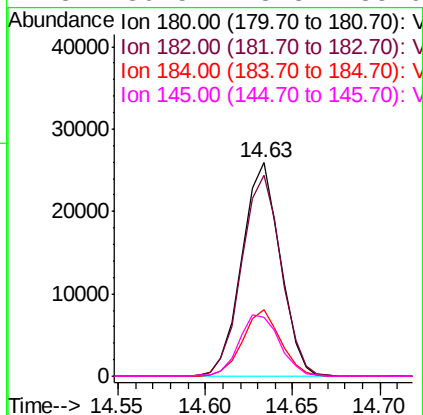
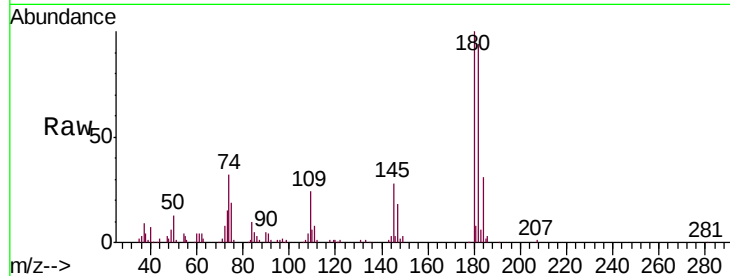




#67
 1,3,5-Trichlorobenzene
 Concen: 9.702 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

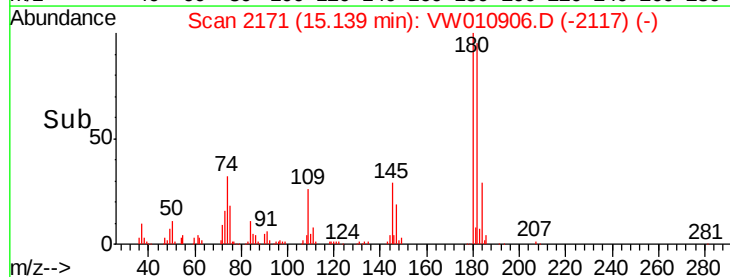
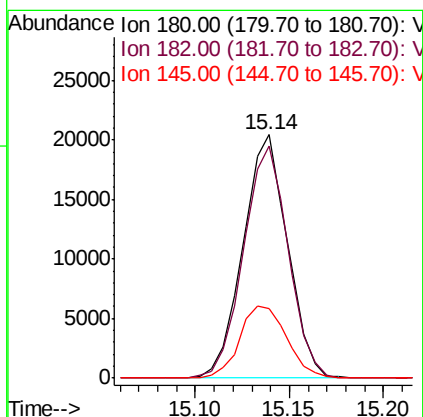
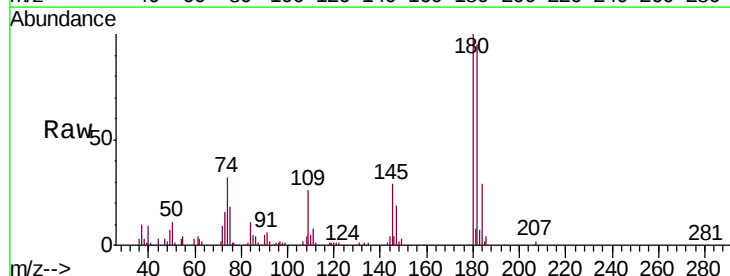
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

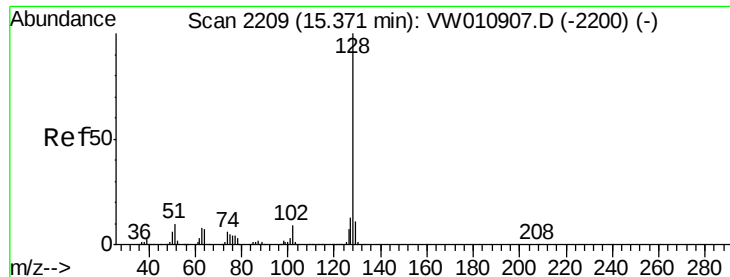
Tgt Ion:180 Resp: 39691
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.8 113.8
 184 30.7 24.2 36.2
 145 30.5 23.8 35.6



#68
 1,2,4-trichlorobenzene
 Concen: 9.790 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010906.D
 Acq: 21 Jun 2019 21:35

Tgt Ion:180 Resp: 33455
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.6 114.8
 145 31.3 24.4 36.6





#69

Naphthalene

Concen: 9.929 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

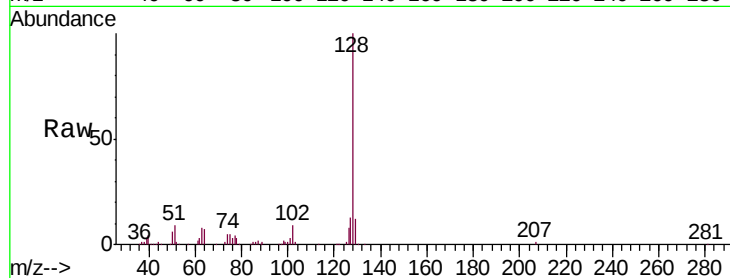
Tgt Ion:128 Resp: 72851

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

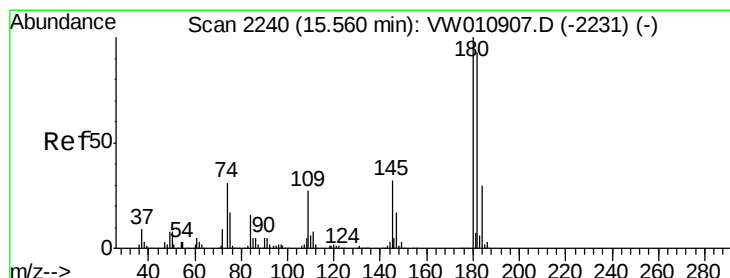
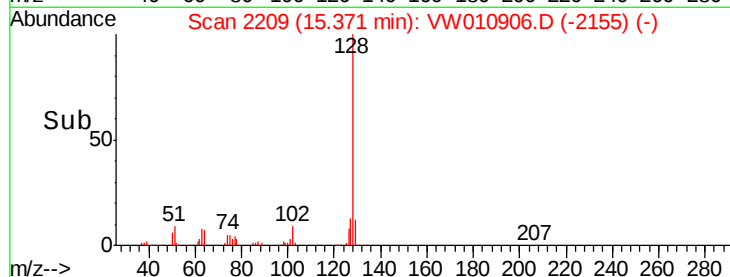
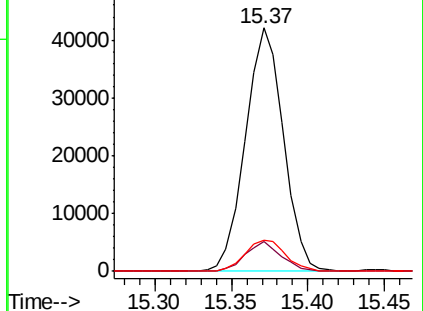
127 13.7 10.6 15.8



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: 10.278 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010906.D

Acq: 21 Jun 2019 21:35

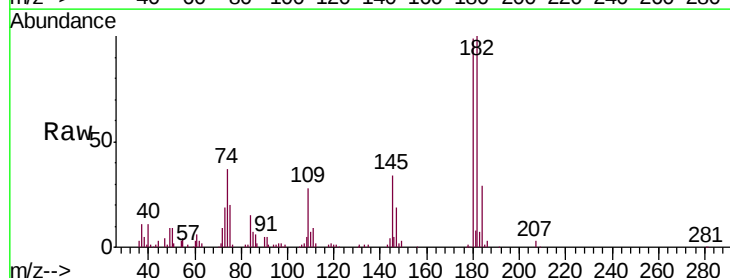
Tgt Ion:180 Resp: 31799

Ion Ratio Lower Upper

180 100

182 95.5 75.6 113.4

145 34.3 26.1 39.1



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

