

Data File : VW010770.D
Acq On : 11 Jun 2019 16:02
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.09G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Quant Time: Jun 12 01:59:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 12:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	401830	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	368417	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	175066	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	112292	19.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.76%
7) Chloroethane-d5	2.88	69	88472	19.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.76%
10) 1,1-Dichloroethene-d2	4.02	63	244972	20.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.76%
20) 2-Butanone-d5	7.08	46	87459	38.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.18%
24) Chloroform-d	7.65	84	181412	21.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.84%
26) 1,2-Dichloroethane-d4	8.31	65	139276	20.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.80%
29) Benzene-d6	8.27	84	450563	20.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.92%
33) 1,2-Dichloropropane-d6	9.27	67	147154	20.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.40%
37) Toluene-d8	10.32	98	408222	20.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.60%
38) trans-1,3-Dichloropropene-	10.58	79	66185	20.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.76%
39) 2-Hexanone-d5	10.93	63	70818	42.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127926	21.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	142668	21.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	149641	23.256 ug/L	99
3) Chloromethane	2.21	50	166572	23.278 ug/L	100
5) Vinyl chloride	2.35	62	153413	23.384 ug/L	99
6) Bromomethane	2.76	94	71386	24.155 ug/L	97
8) Chloroethane	2.92	64	89357	23.257 ug/L	97
9) Trichlorofluoromethane	3.26	101	202955	23.382 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	115943	22.831 ug/L	99
12) 1,1-Dichloroethene	4.04	96	105601	22.601 ug/L	97
13) Acetone	4.12	43	113678	46.079 ug/L	100
14) Carbon disulfide	4.38	76	297039	21.543 ug/L	99
15) Methyl Acetate	4.67	43	90781	22.920 ug/L	100
16) Methylene chloride	4.92	84	126662	22.970 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	358930	23.199 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	118494	22.745 ug/L	98
19) 1,1-Dichloroethane	6.22	63	253146	23.320 ug/L	99
21) 2-Butanone	7.17	43	144192	42.791 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	137373	23.173 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Tue Jun 11 12:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	56657	23.298	ug/L	98
25) Chloroform	7.68	83	277034	22.174	ug/L	100
27) 1,2-Dichloroethane	8.40	62	185287	23.193	ug/L	99
30) Cyclohexane	7.95	56	242946	22.256	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	204787	23.258	ug/L	100
32) Carbon tetrachloride	8.07	117	170389	23.209	ug/L	99
34) Benzene	8.32	78	522260	23.047	ug/L	100
35) Trichloroethene	9.09	95	132878	22.882	ug/L	99
36) Methylcyclohexane	9.34	83	228425	22.327	ug/L	100
40) 1,2-Dichloropropane	9.37	63	147207	23.307	ug/L	100
41) Bromodichloromethane	9.65	83	179406	24.123	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	224845	23.255	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	283973	46.794	ug/L	100
44) Toluene	10.39	91	549722	23.163	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	196031	24.079	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	105536	23.472	ug/L	99
47) Tetrachloroethene	10.86	164	98769	22.697	ug/L	97
49) 2-Hexanone	10.97	43	216497	48.126	ug/L	98
50) Dibromochloromethane	11.13	129	118626	23.806	ug/L	96
51) 1,2-Dibromoethane	11.24	107	98246	22.820	ug/L	99
52) Chlorobenzene	11.66	112	345374	23.341	ug/L	99
53) Ethylbenzene	11.73	91	631104	23.235	ug/L	99
54) m,p-Xylene	11.84	106	226102	23.100	ug/L	99
55) o-xylene	12.17	106	220747	23.258	ug/L	99
56) Styrene	12.18	104	391068	23.678	ug/L	100
57) Isopropylbenzene	12.47	105	612845	23.582	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	143100	23.754	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	112199	23.559	ug/L	100
62) Bromoform	12.35	173	70697	23.810	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	270263	23.926	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	268906	23.522	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	251985	23.844	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	26408	23.705	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	209439	24.430	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	175705	24.558	ug/L	100
69) Naphthalene	15.37	128	377632	24.965	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	158539	24.732	ug/L	100

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

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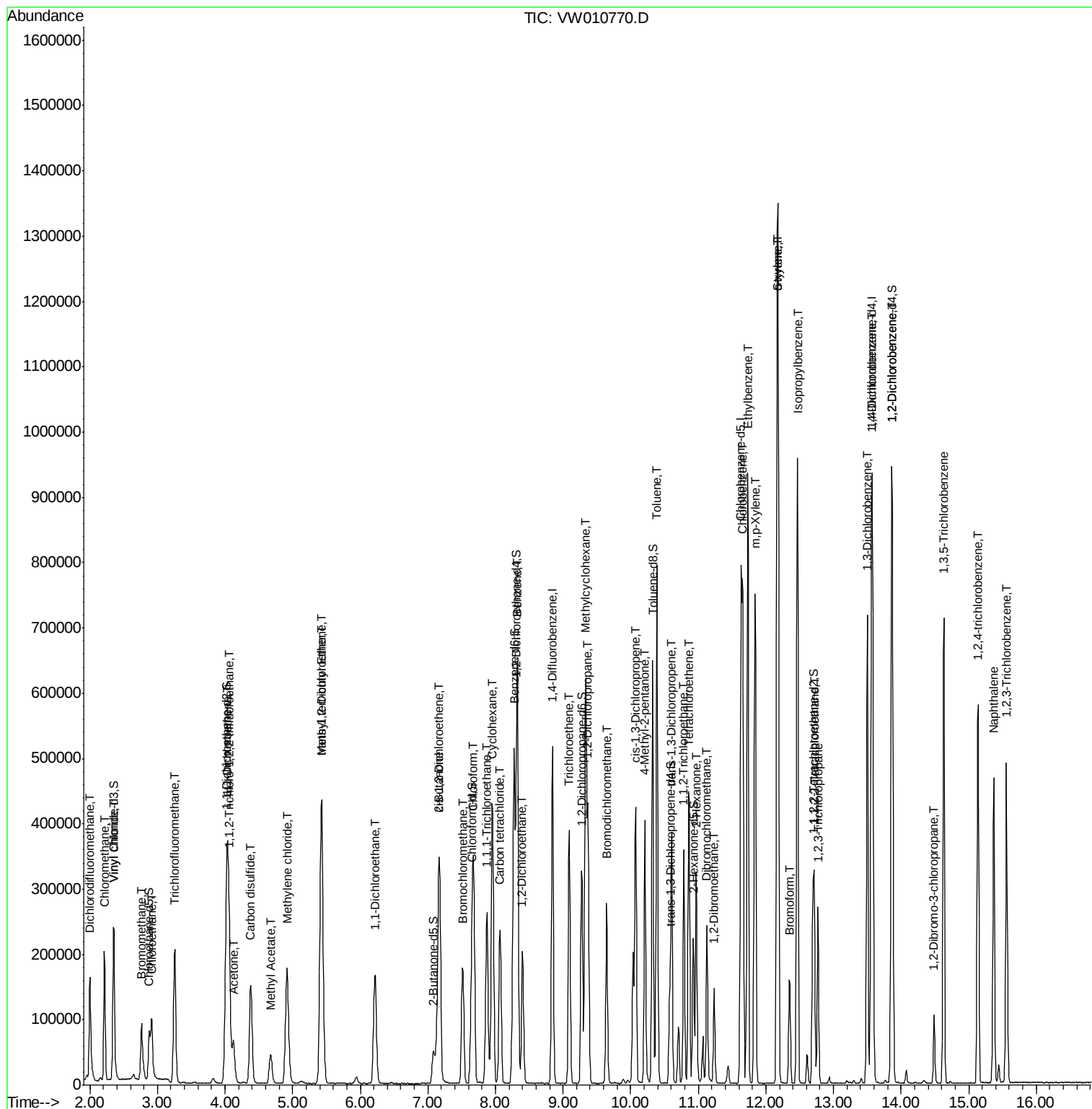
Quant Time: Jun 12 01:59:35 2019

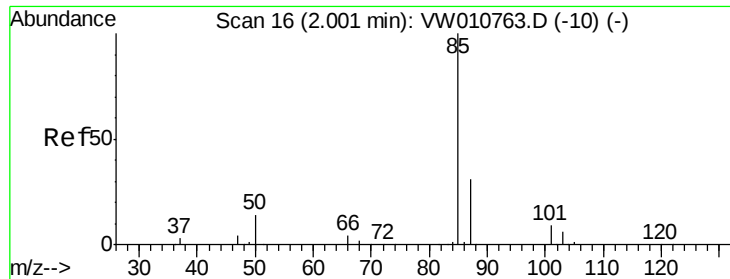
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 23.256 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

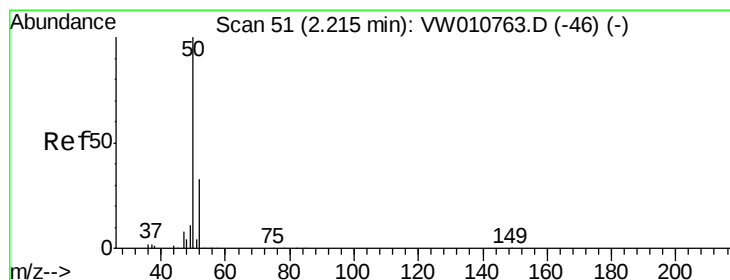
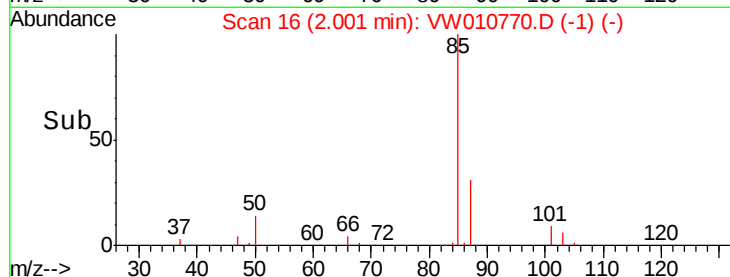
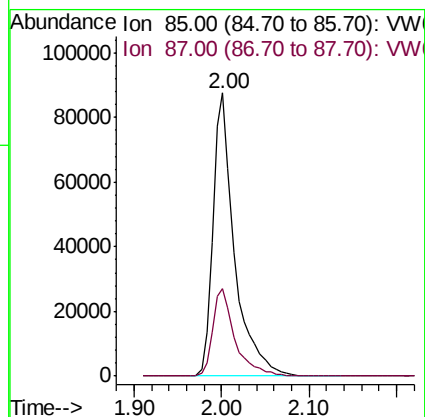
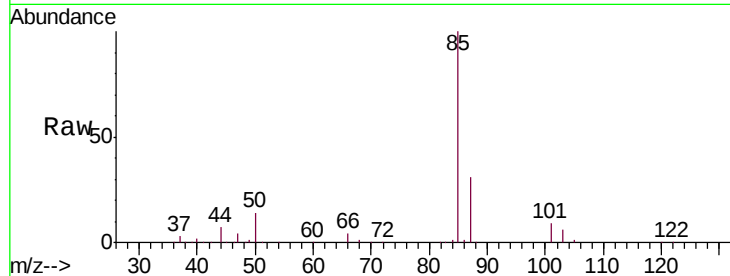
VSTD02520

Tgt Ion: 85 Resp: 149641

Ion Ratio Lower Upper

85 100

87 31.7 22.4 41.6



#3

Chloromethane

Concen: 23.278 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010770.D

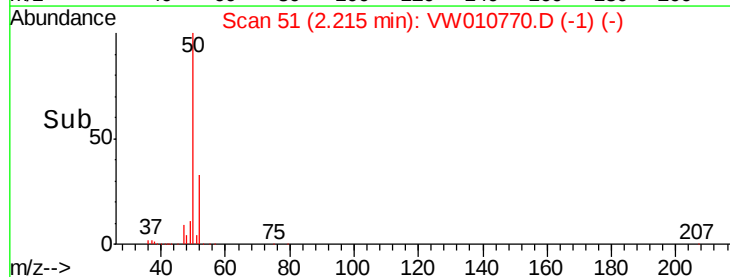
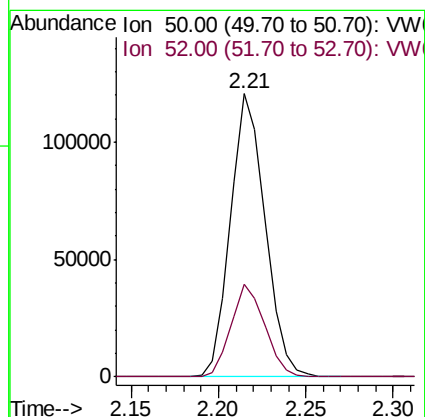
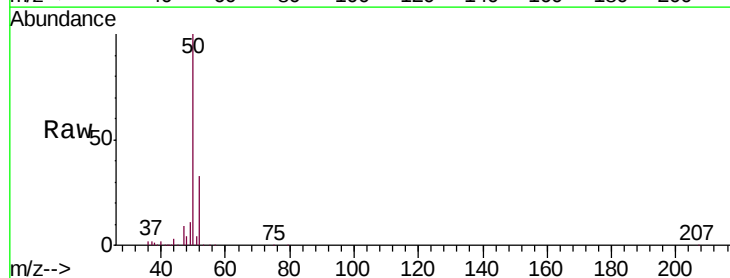
Acq: 11 Jun 2019 16:02

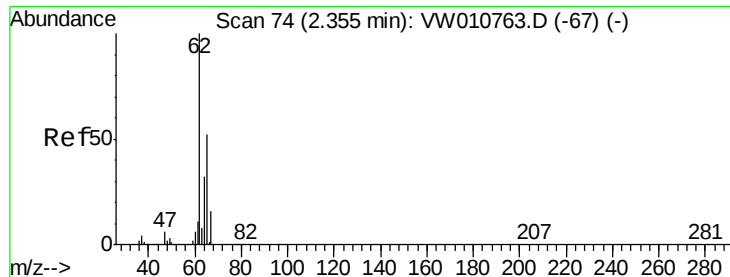
Tgt Ion: 50 Resp: 166572

Ion Ratio Lower Upper

50 100

52 32.8 22.8 42.4





#5

Vinyl chloride

Concen: 23.384 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

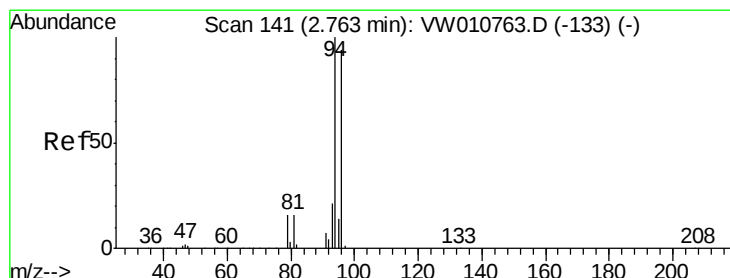
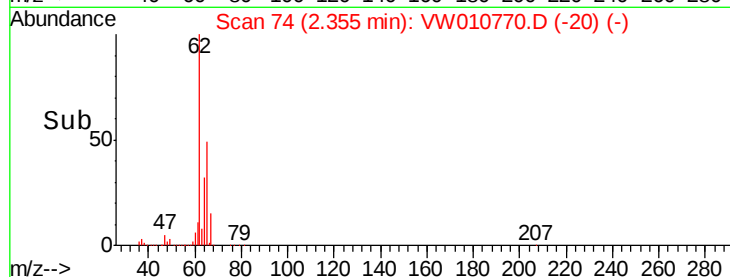
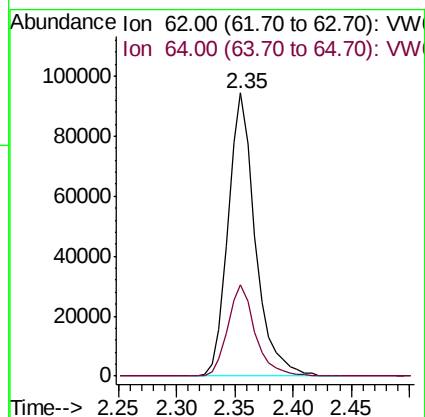
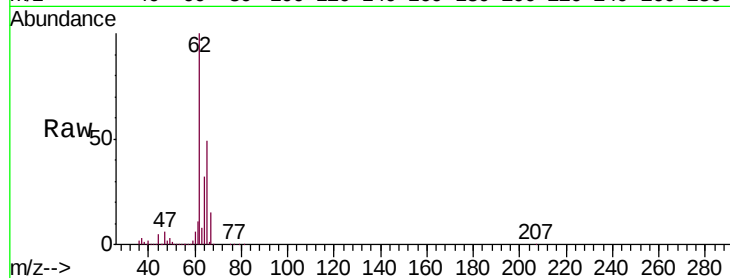
VSTD02520

Tgt Ion: 62 Resp: 153413

Ion Ratio Lower Upper

62 100

64 32.3 22.4 41.6



#6

Bromomethane

Concen: 24.155 ug/L

RT: 2.76 min Scan# 141

Delta R.T. -0.00 min

Lab File: VW010770.D

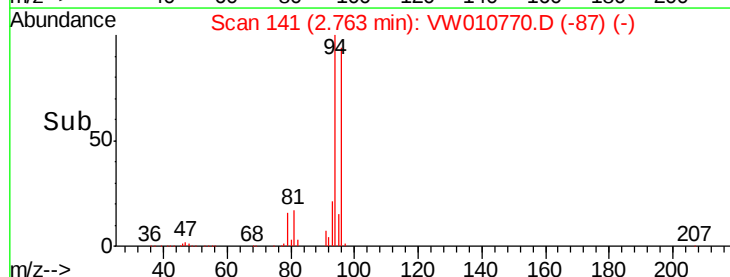
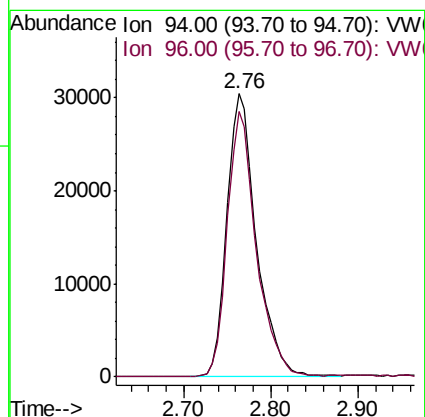
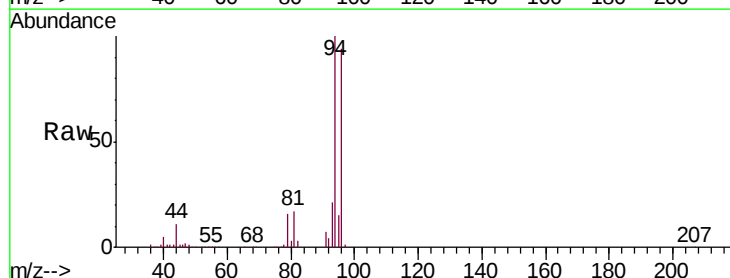
Acq: 11 Jun 2019 16:02

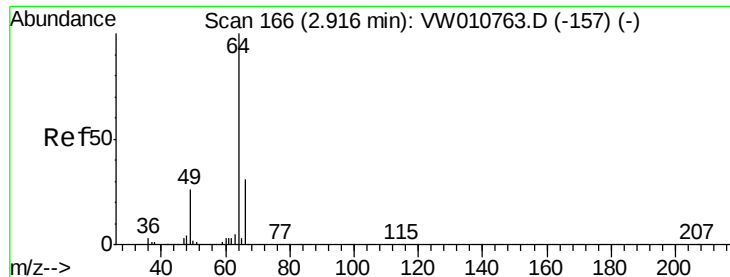
Tgt Ion: 94 Resp: 71386

Ion Ratio Lower Upper

94 100

96 92.0 9.5 180.7





#8

Chloroethane

Concen: 23.257 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

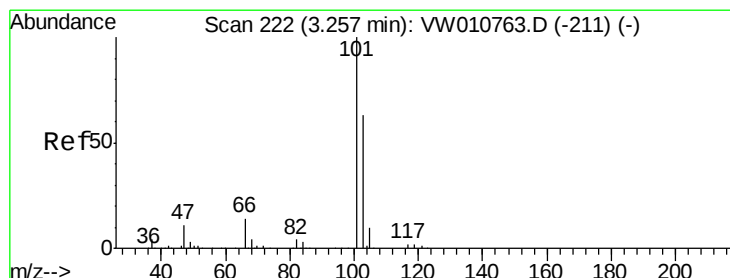
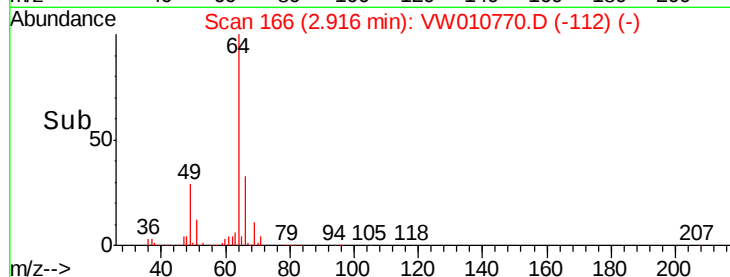
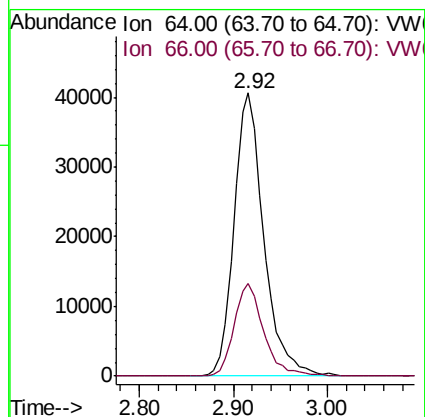
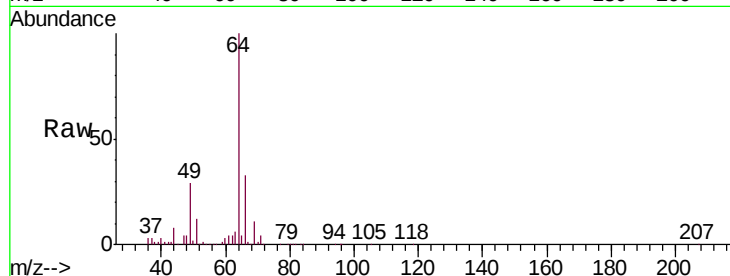
VSTD02520

Tgt Ion: 64 Resp: 89357

Ion Ratio Lower Upper

64 100

66 32.7 21.8 40.4



#9

Trichlorofluoromethane

Concen: 23.382 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW010770.D

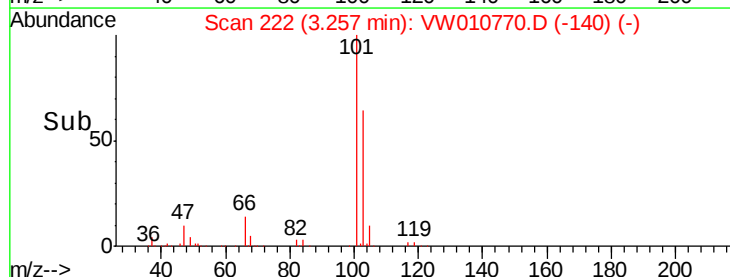
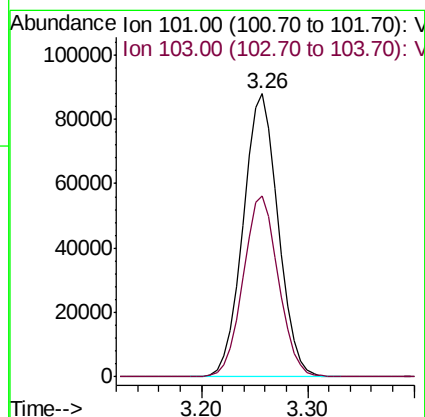
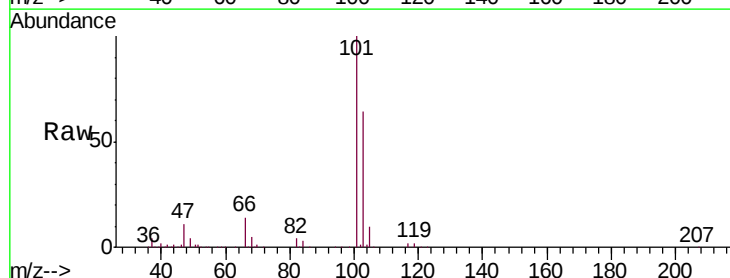
Acq: 11 Jun 2019 16:02

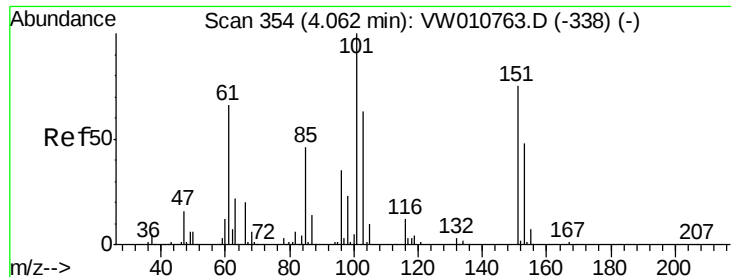
Tgt Ion: 101 Resp: 202955

Ion Ratio Lower Upper

101 100

103 64.3 45.1 83.7





#11

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

Concen: 22.831 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

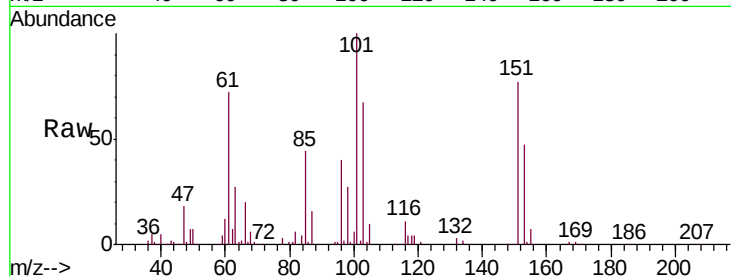
Tgt Ion:101 Resp: 115943

Ion Ratio Lower Upper

101 100

85 44.4 35.9 53.9

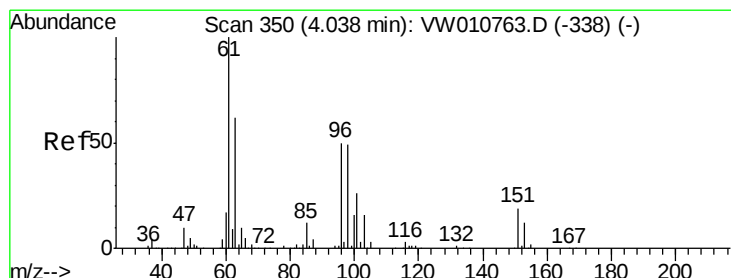
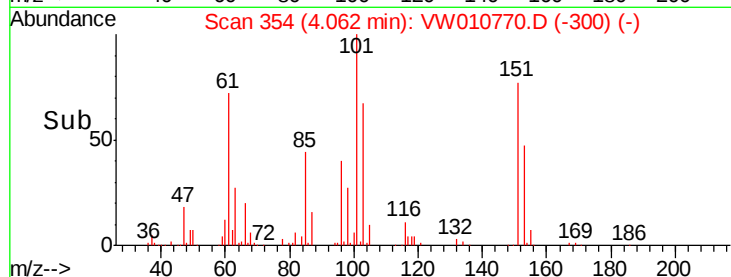
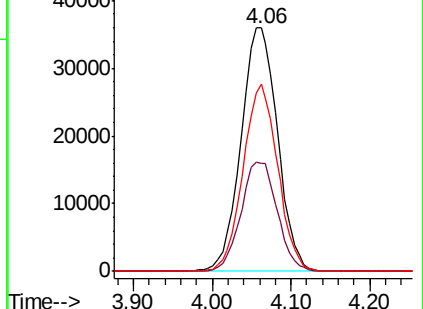
151 72.7 58.6 88.0



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: 22.601 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

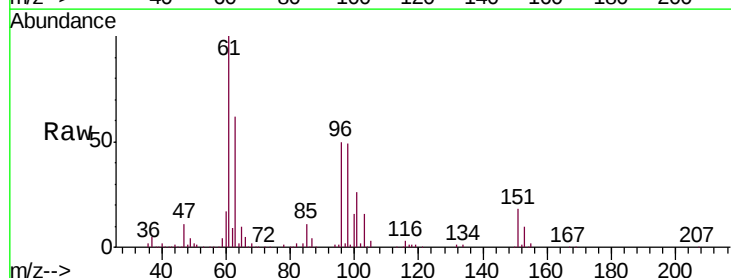
Tgt Ion: 96 Resp: 105601

Ion Ratio Lower Upper

96 100

61 198.1 139.9 259.7

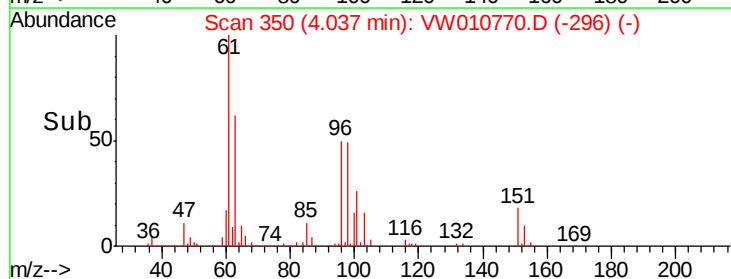
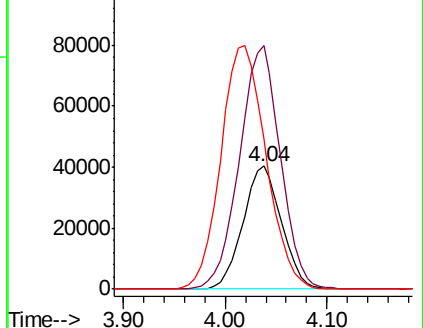
63 122.0 89.2 165.8

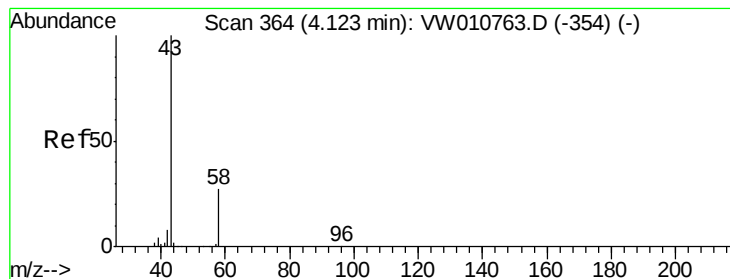


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.079 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010770.D

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Instrument :

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ClientSampleId :

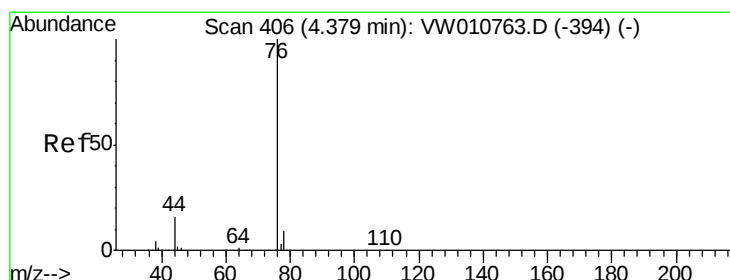
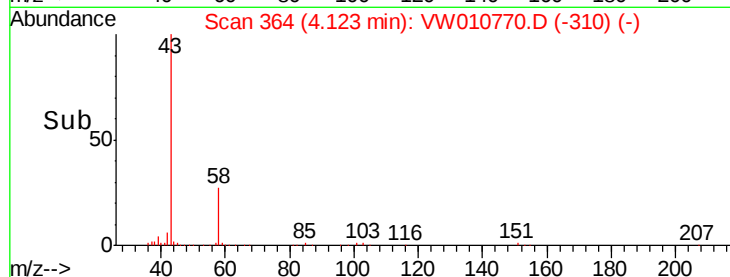
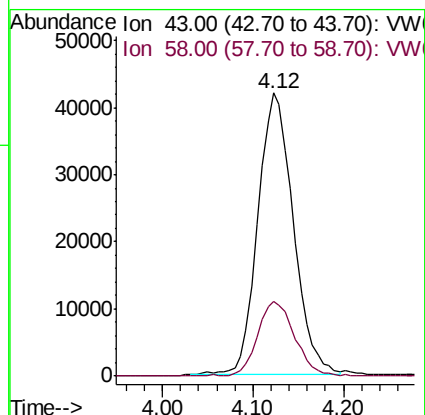
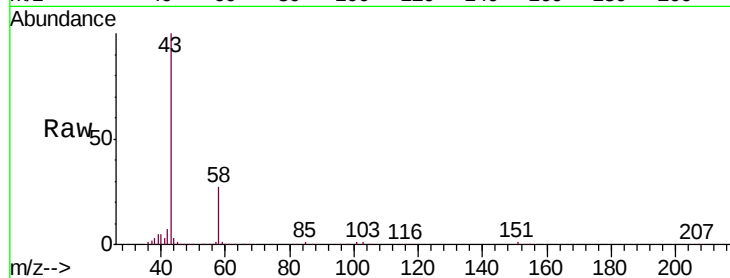
VSTD02520

Tgt Ion: 43 Resp: 113678

Ion Ratio Lower Upper

43 100

58 27.4 0.0 54.6



#14

Carbon disulfide

Concen: 21.543 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW010770.D

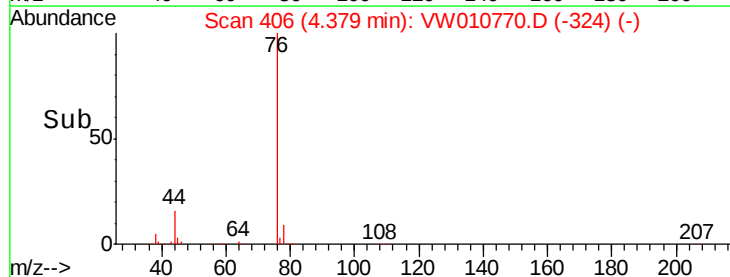
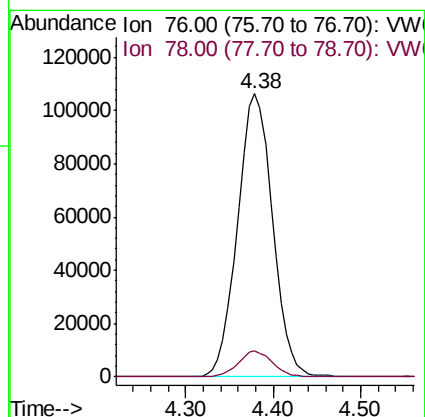
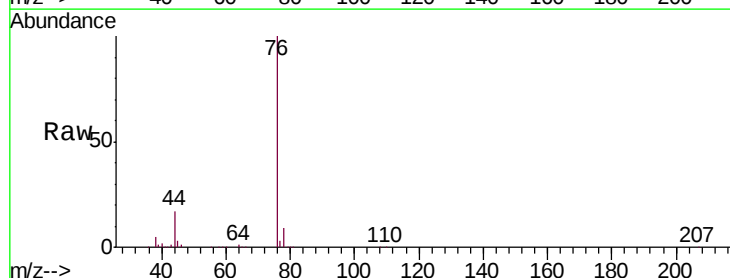
Acq: 11 Jun 2019 16:02

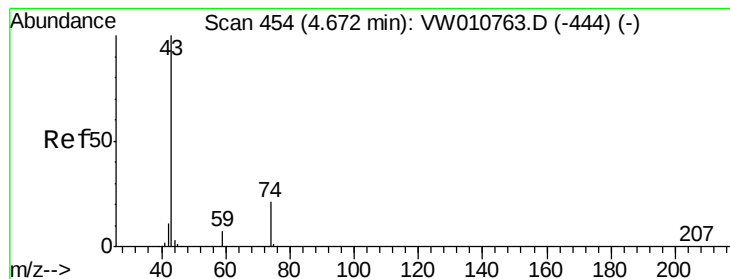
Tgt Ion: 76 Resp: 297039

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4





#15

Methyl Acetate

Concen: 22.920 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

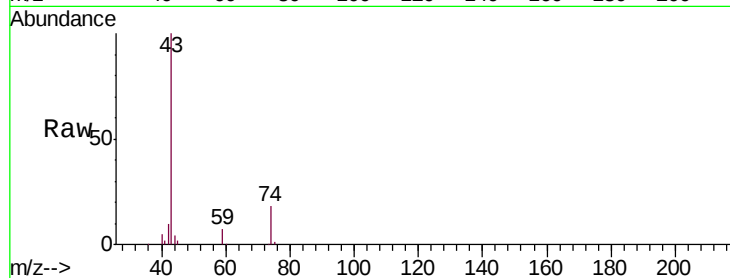
VSTD02520

Tgt Ion: 43 Resp: 90781

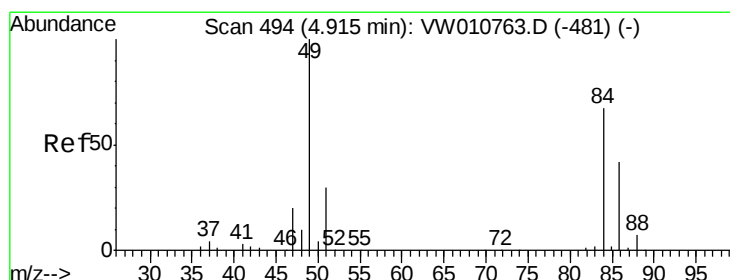
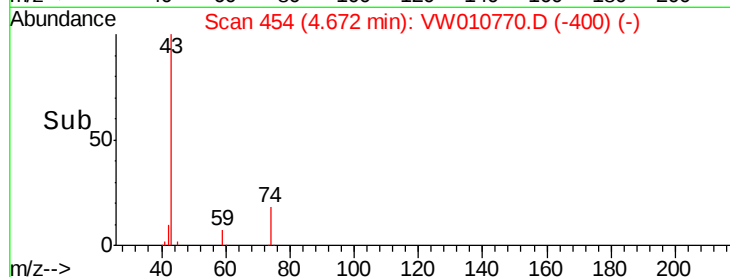
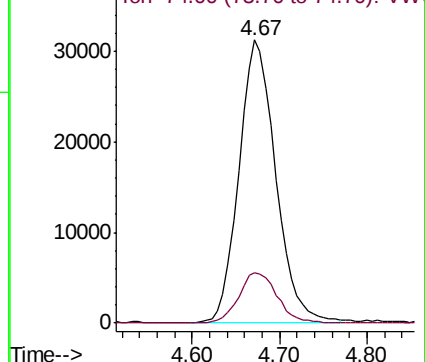
Ion Ratio Lower Upper

43 100

74 18.8 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 22.970 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

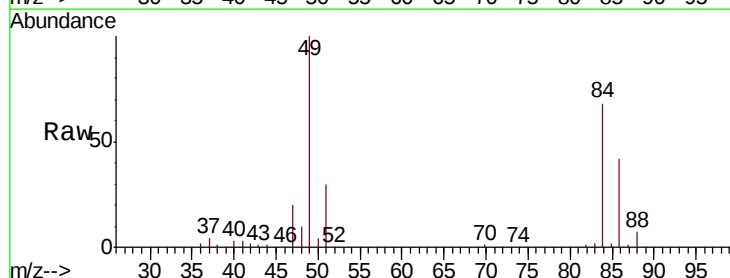
Tgt Ion: 84 Resp: 126662

Ion Ratio Lower Upper

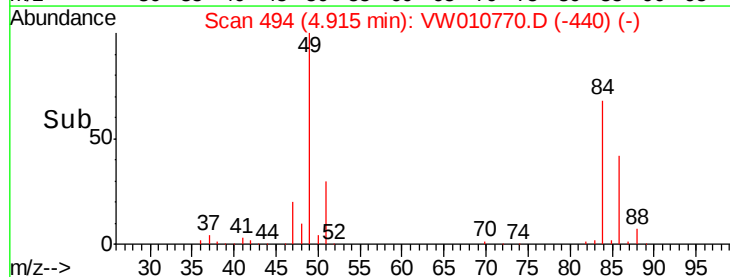
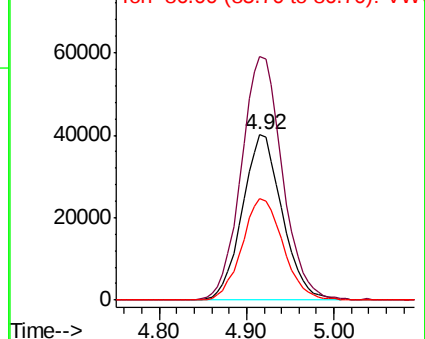
84 100

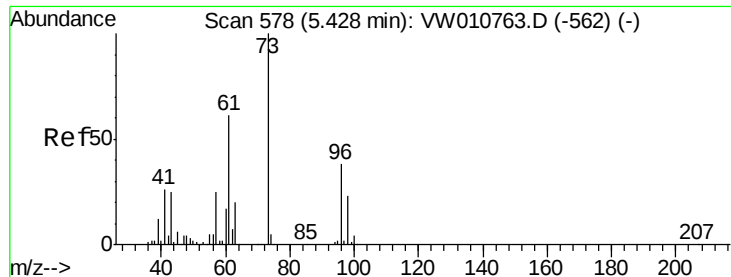
49 147.6 105.2 195.4

86 61.8 43.7 81.1



Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 23.199 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

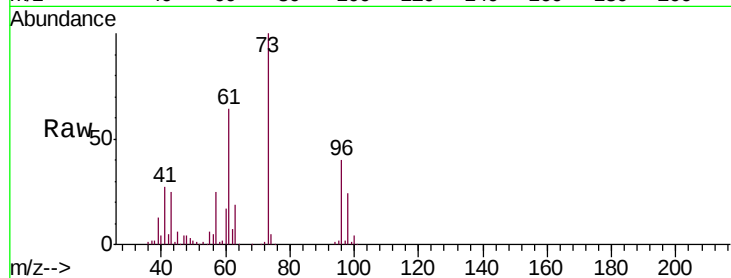
Tgt Ion: 73 Resp: 358930

Ion Ratio Lower Upper

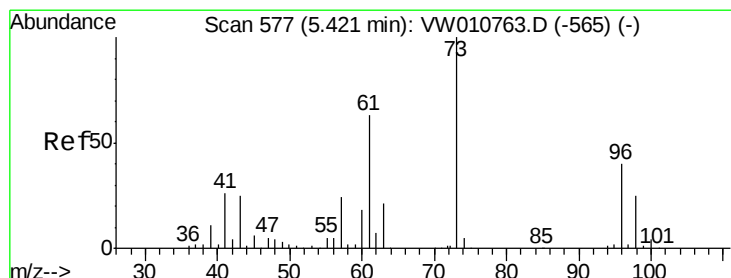
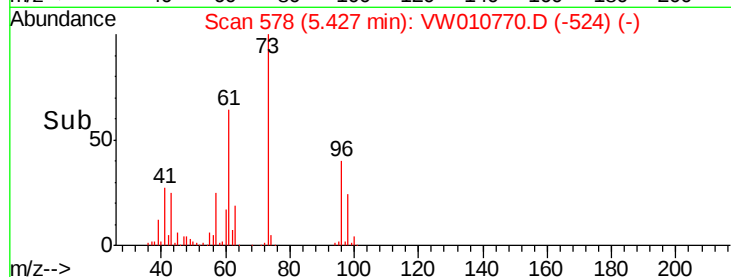
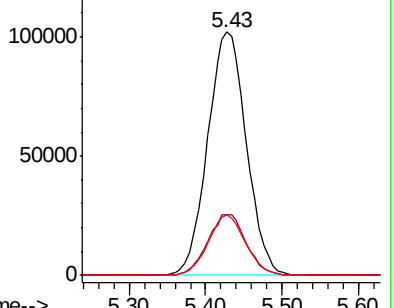
73 100

43 25.0 19.8 29.6

57 24.0 19.2 28.8



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 22.745 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

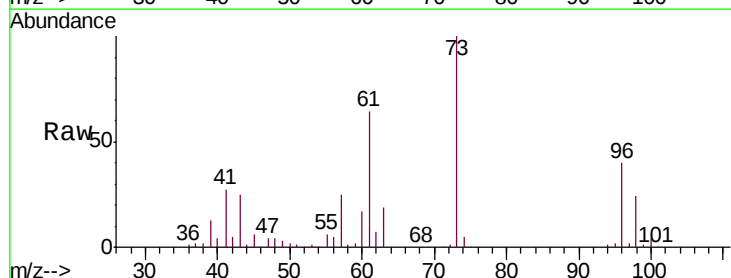
Tgt Ion: 96 Resp: 118494

Ion Ratio Lower Upper

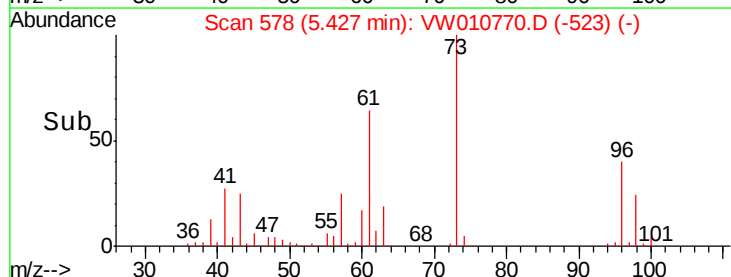
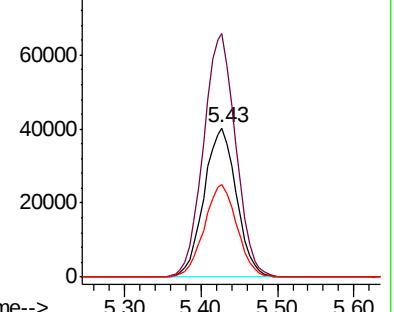
96 100

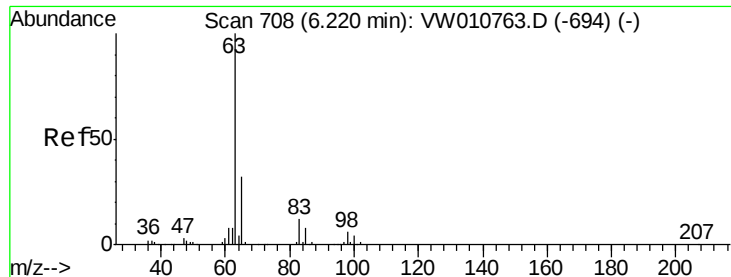
61 162.9 111.5 207.1

98 61.8 44.1 81.9



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

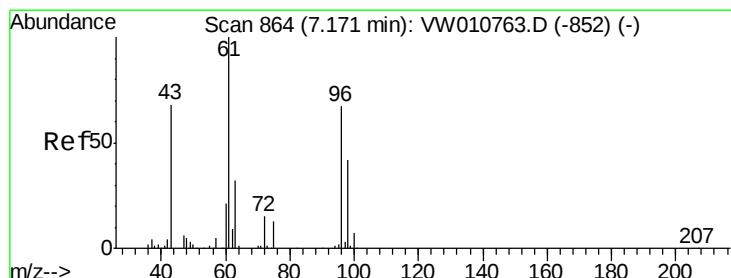
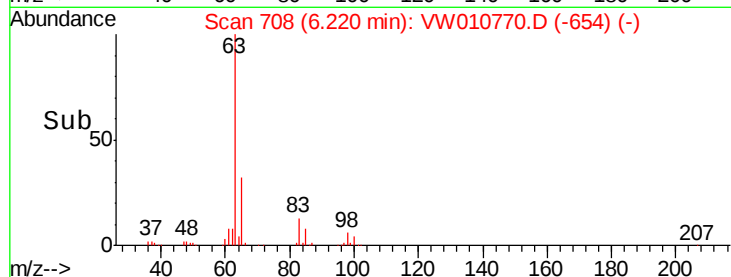
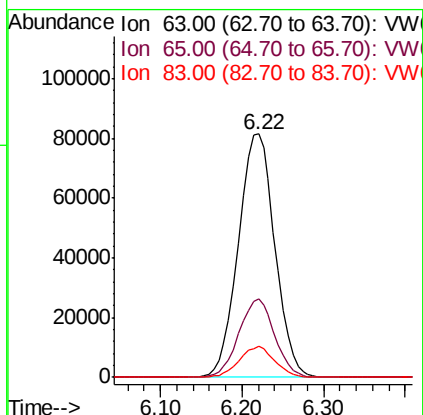
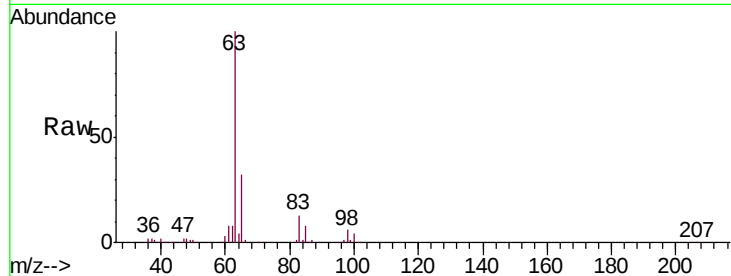




#19
 1,1-Dichloroethane
 Concen: 23.320 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW010770.D
 Acq: 11 Jun 2019 16:02

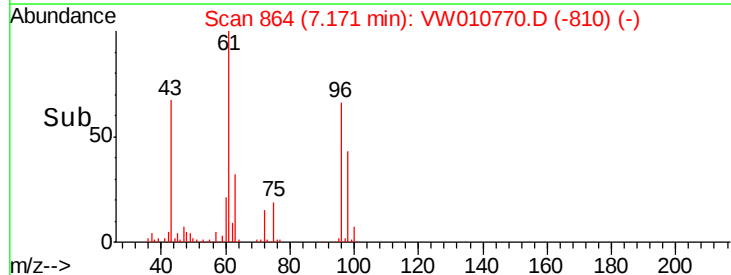
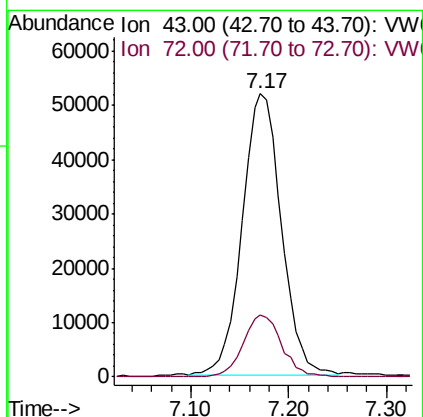
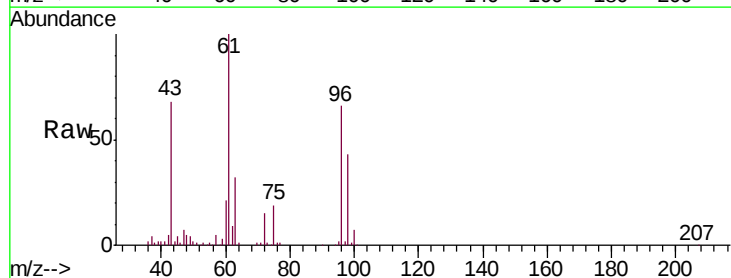
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

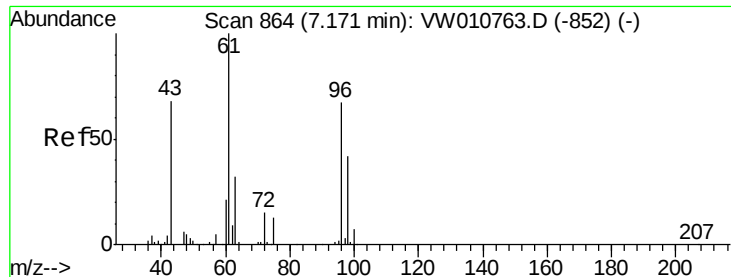
Tgt Ion: 63 Resp: 253146
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.2 41.2
 83 12.9 8.6 16.0



#21
 2-Butanone
 Concen: 42.791 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010770.D
 Acq: 11 Jun 2019 16:02

Tgt Ion: 43 Resp: 144192
 Ion Ratio Lower Upper
 43 100
 72 21.6 11.0 33.0



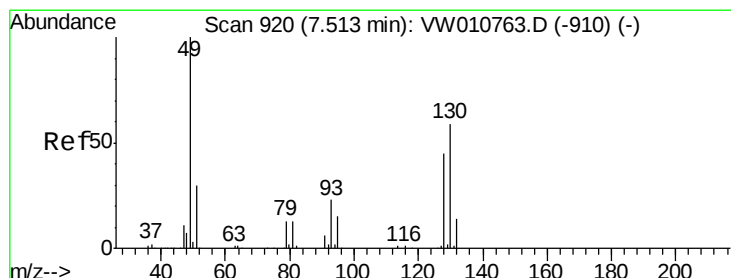
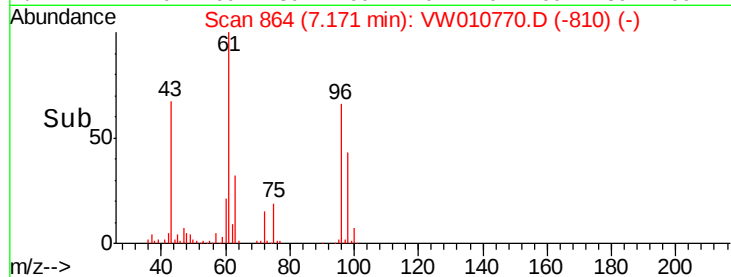
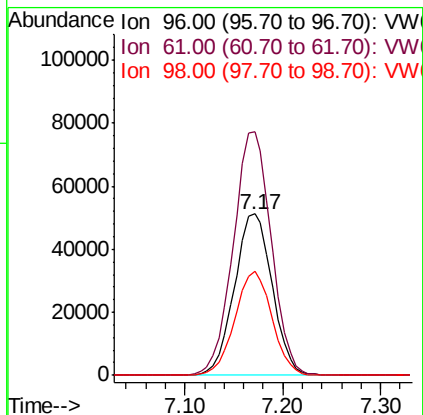
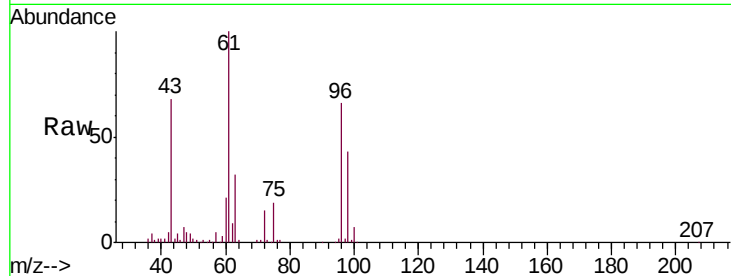


#22

cis-1,2-Dichloroethene
Concen: 23.173 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

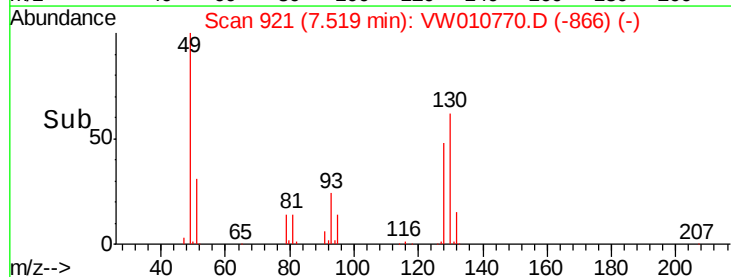
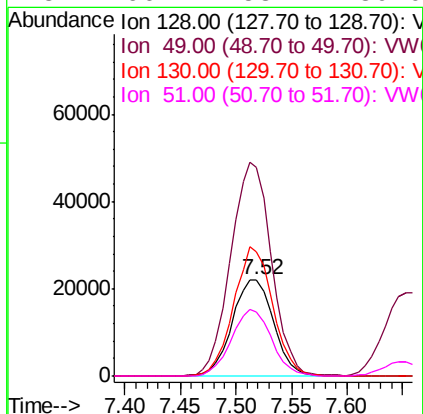
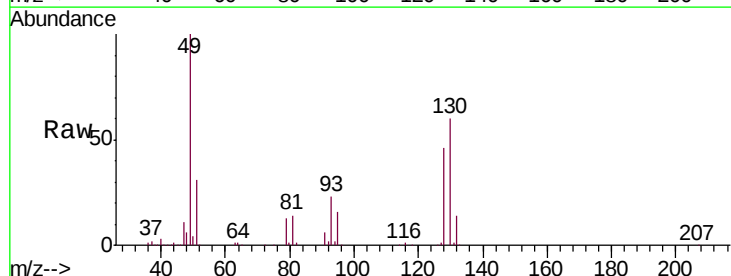
Tgt Ion: 96 Resp: 137373
Ion Ratio Lower Upper
96 100
61 150.8 105.3 195.6
98 64.7 44.6 82.8

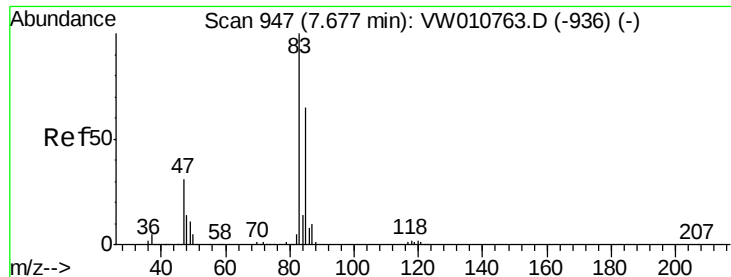


#23

Bromochloromethane
Concen: 23.298 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

Tgt Ion: 128 Resp: 56657
Ion Ratio Lower Upper
128 100
49 215.7 155.1 288.1
130 128.5 91.3 169.6
51 66.7 53.4 80.0

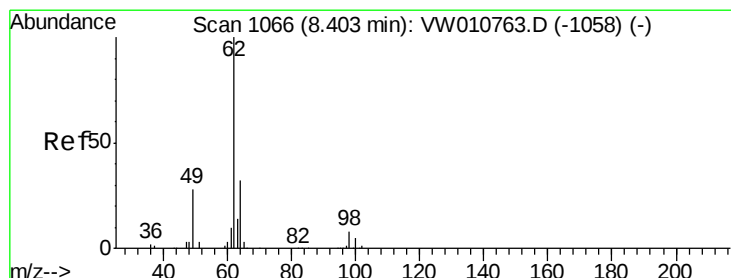
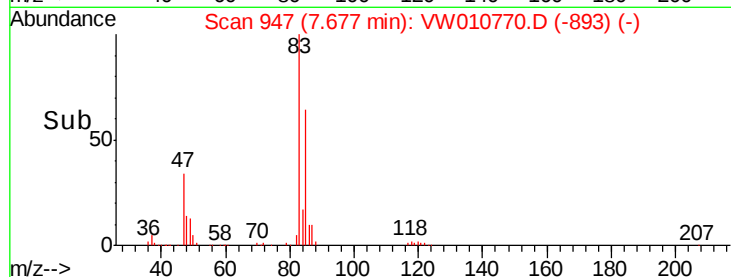
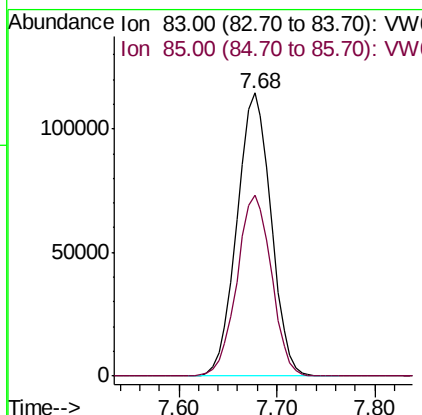
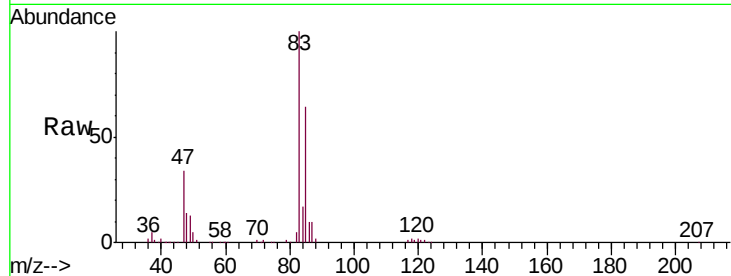




#25
Chloroform
Concen: 22.174 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

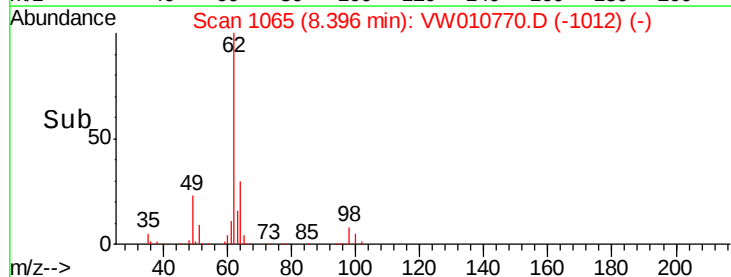
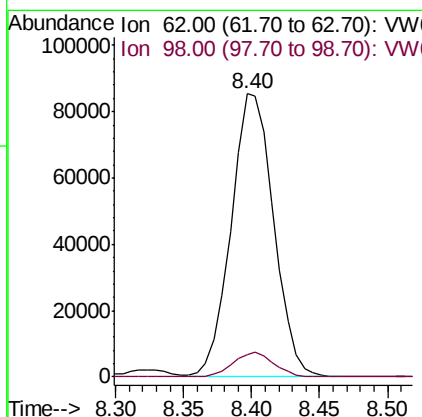
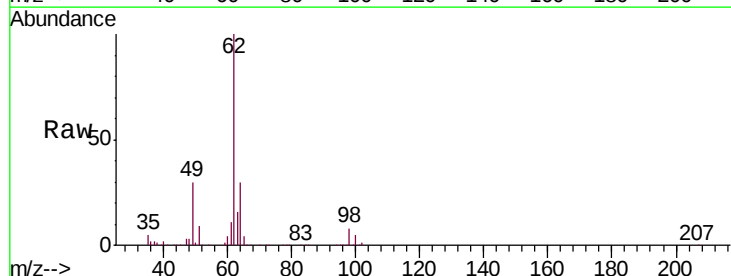
Instrument :
MSVOA_W
ClientSampled :
VSTD02520

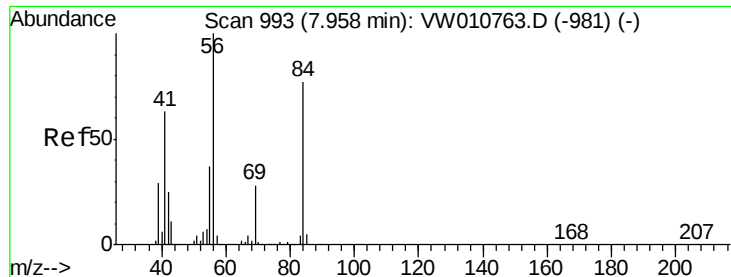
Tgt Ion: 83 Resp: 277034
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 23.193 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

Tgt Ion: 62 Resp: 185287
Ion Ratio Lower Upper
62 100
98 7.9 6.6 10.0

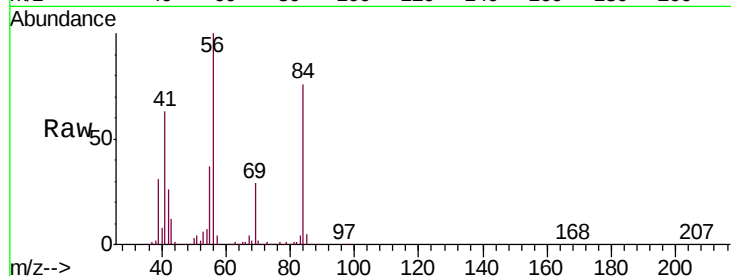




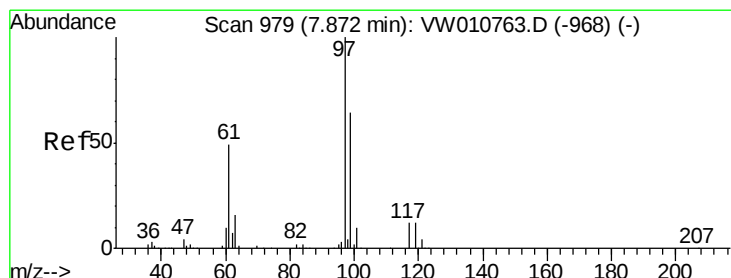
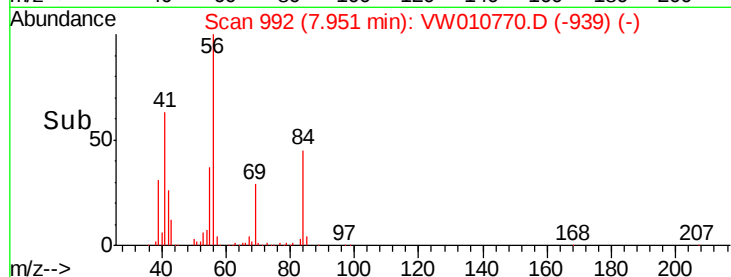
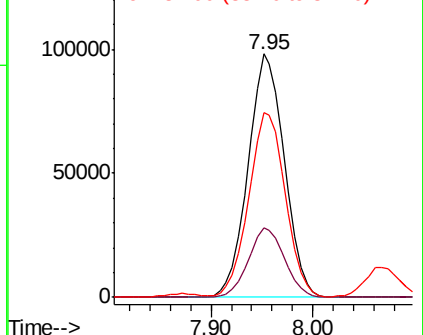
#30
Cyclohexane
Concen: 22.256 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.6	33.8
84	76.7	61.1	91.7

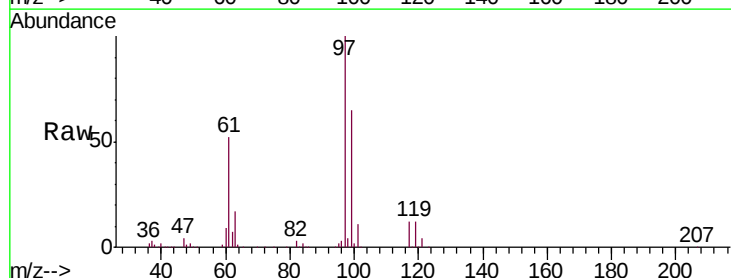


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

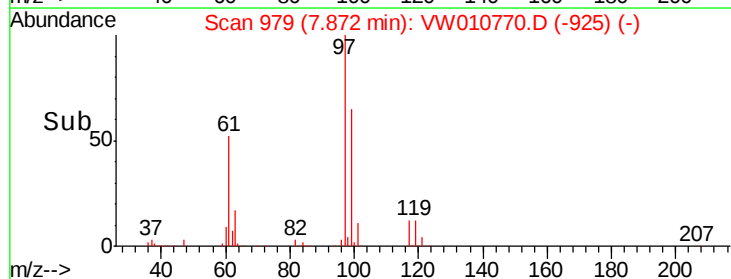
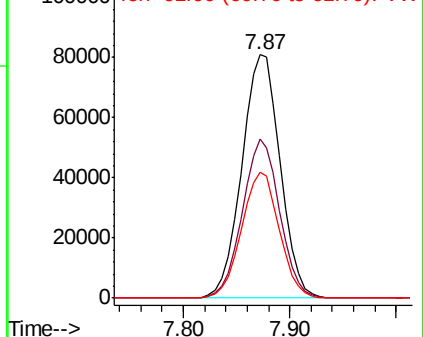


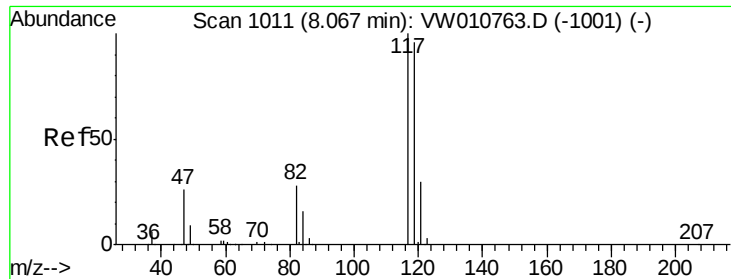
#31
1,1,1-Trichloroethane
Concen: 23.258 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	50.9	40.4	60.6



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 23.209 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

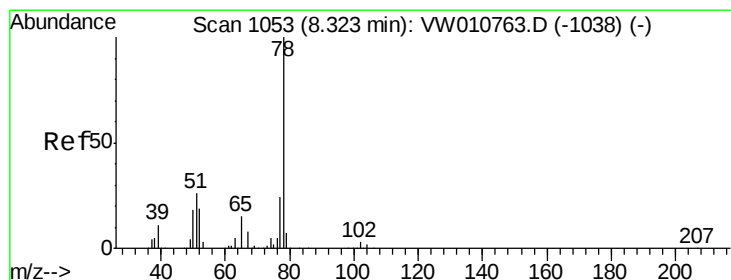
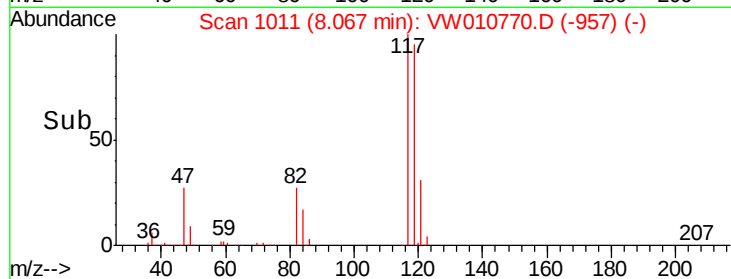
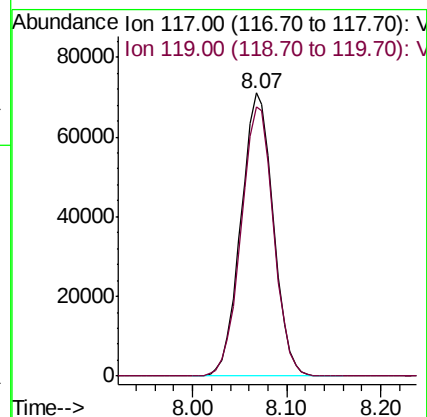
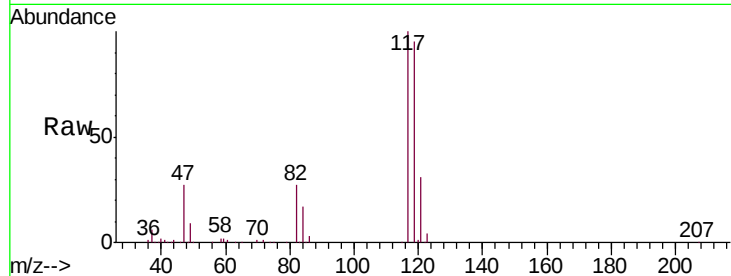
VSTD02520

Tgt Ion:117 Resp: 170389

Ion Ratio Lower Upper

117 100

119 95.7 77.0 115.4



#34

Benzene

Concen: 23.047 ug/L

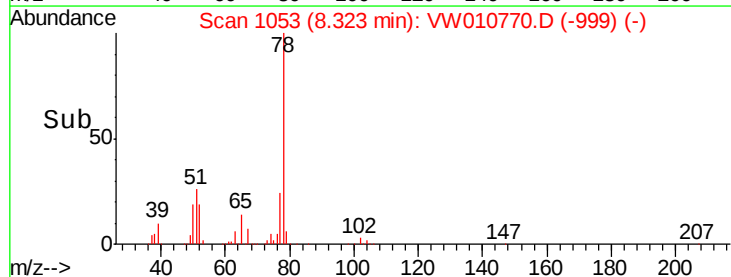
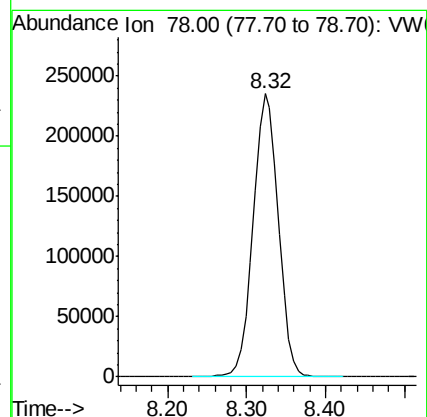
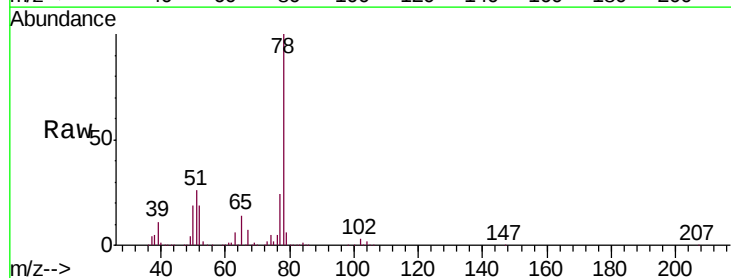
RT: 8.32 min Scan# 1053

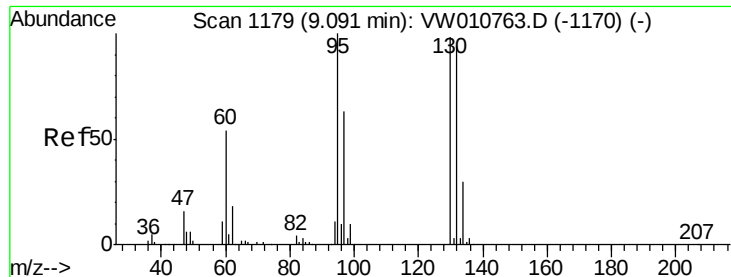
Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Tgt Ion: 78 Resp: 522260





#35

Trichloroethene

Concen: 22.882 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampled :

VSTD02520

Tgt Ion: 95 Resp: 132878

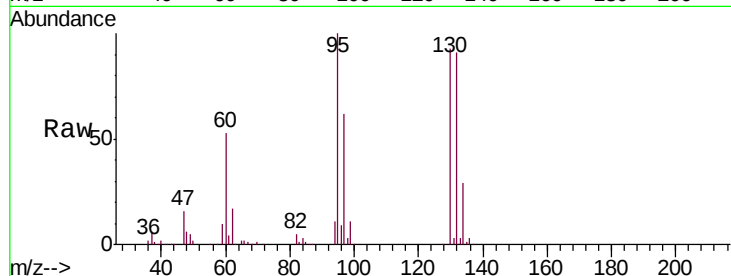
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.2

132 92.8 65.0 120.6

130 95.8 68.3 126.9

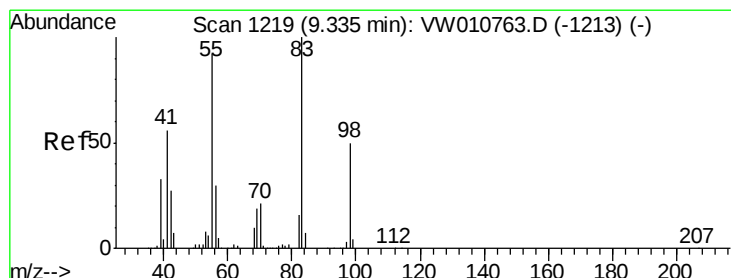
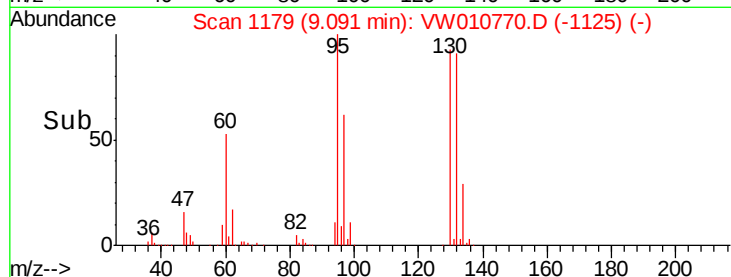
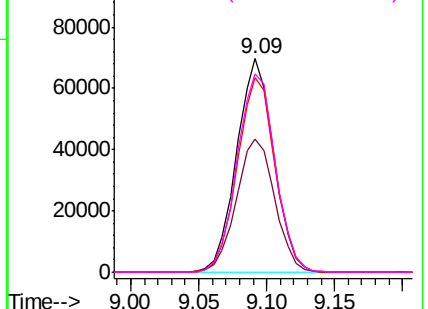


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 22.327 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

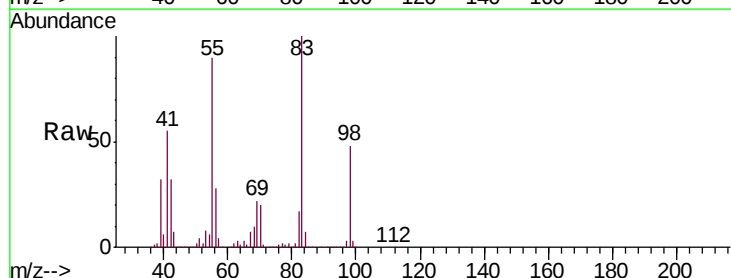
Tgt Ion: 83 Resp: 228425

Ion Ratio Lower Upper

83 100

55 90.1 71.6 107.4

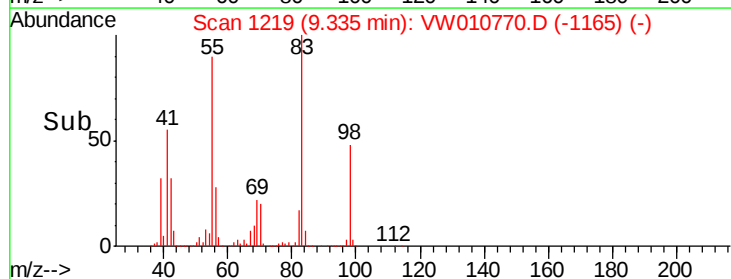
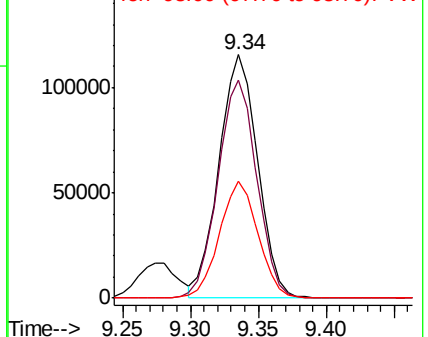
98 47.8 38.2 57.2

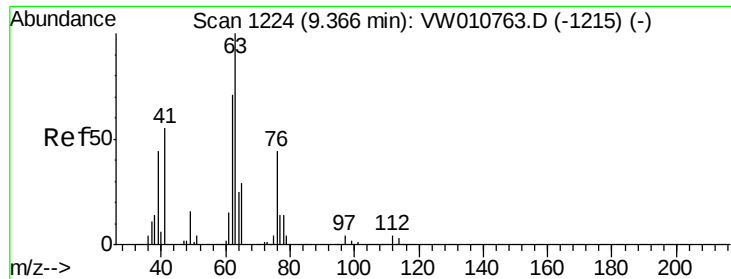


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

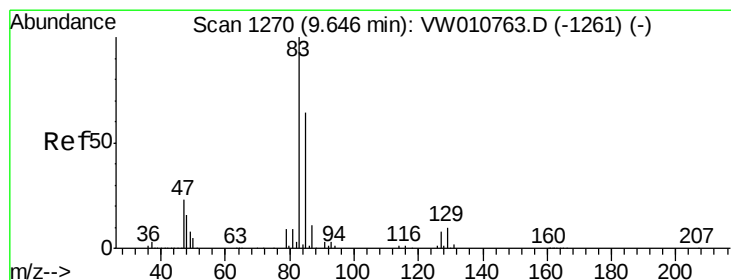
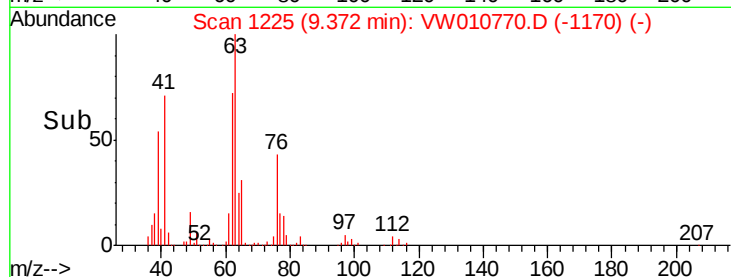
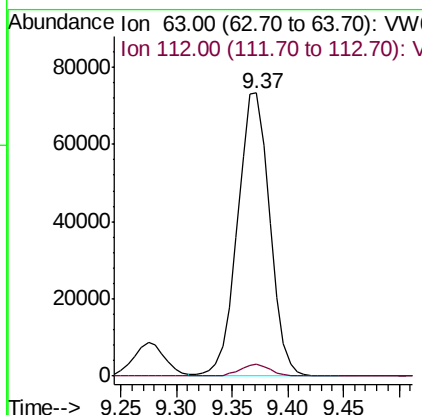
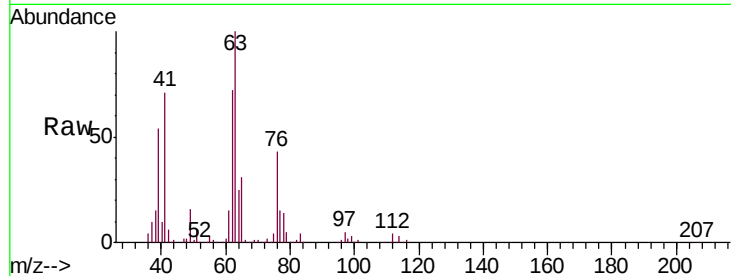




#40
 1,2-Dichloropropane
 Concen: 23.307 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW010770.D
 Acq: 11 Jun 2019 16:02

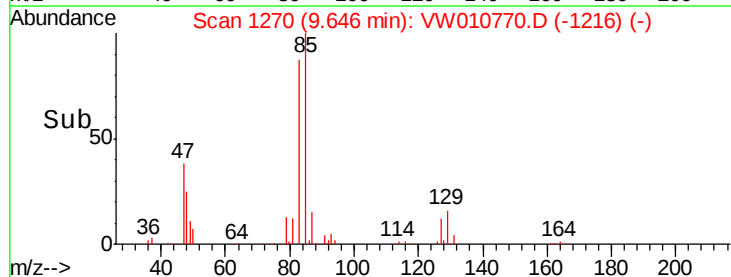
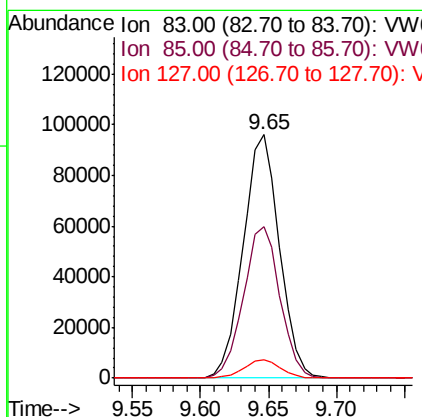
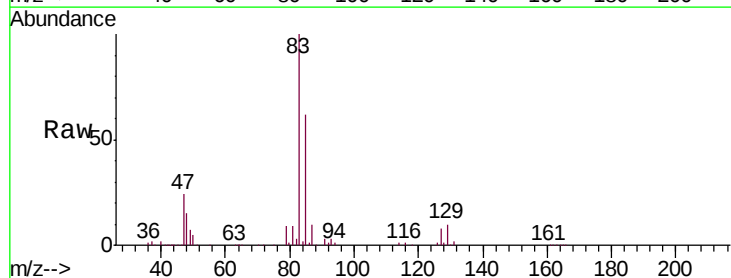
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

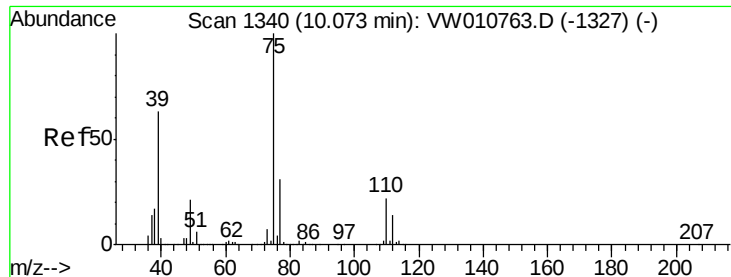
Tgt Ion: 63 Resp: 147207
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#41
 Bromodichloromethane
 Concen: 24.123 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010770.D
 Acq: 11 Jun 2019 16:02

Tgt Ion: 83 Resp: 179406
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.7 82.9
 127 7.5 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 23.255 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

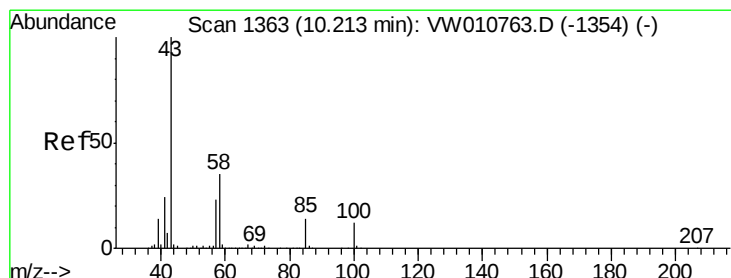
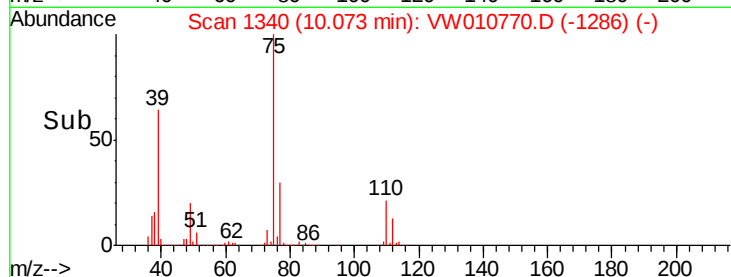
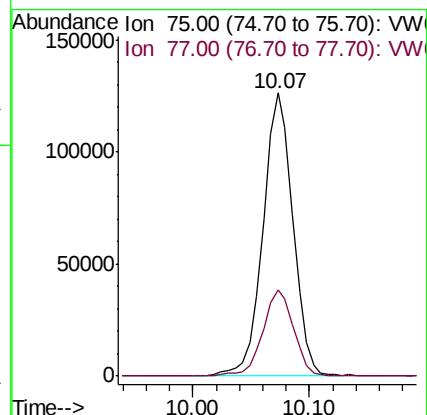
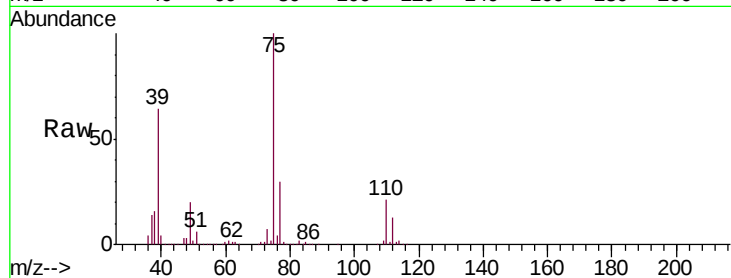
VSTD02520

Tgt Ion: 75 Resp: 224845

Ion Ratio Lower Upper

75 100

77 30.4 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 46.794 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

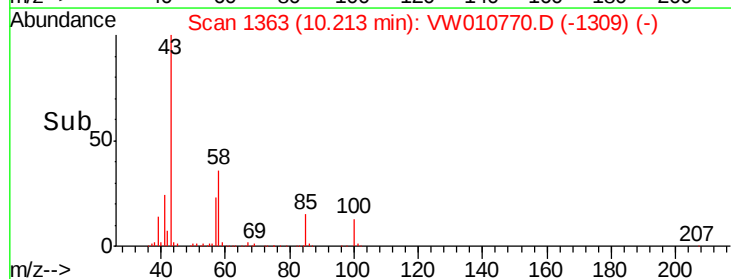
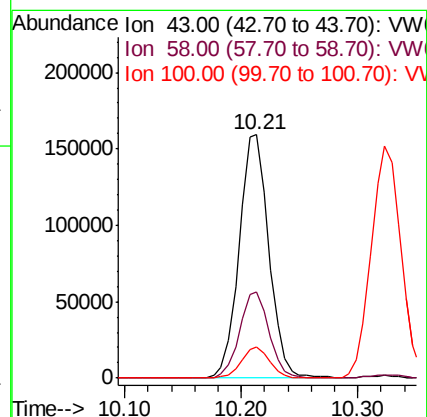
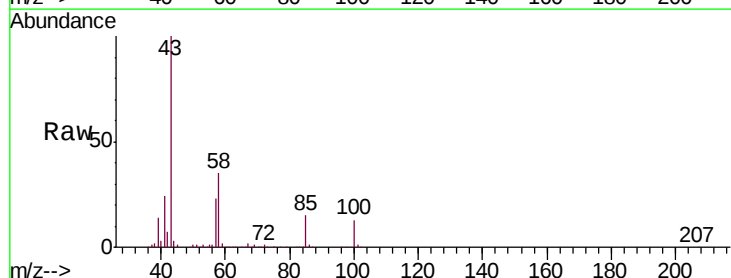
Tgt Ion: 43 Resp: 283973

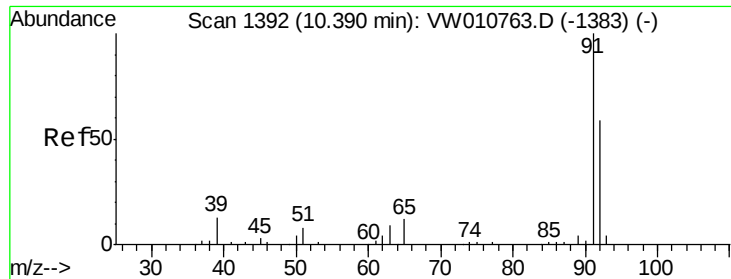
Ion Ratio Lower Upper

43 100

58 35.2 28.0 42.0

100 12.2 9.8 14.6





#44

Toluene

Concen: 23.163 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

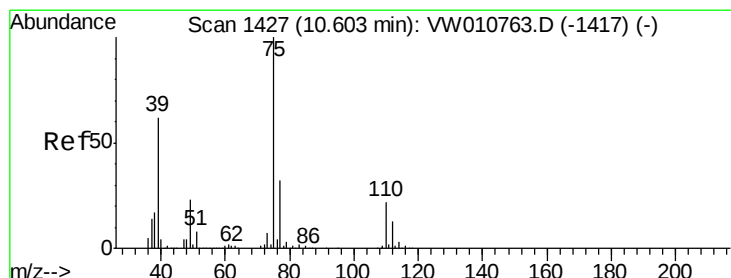
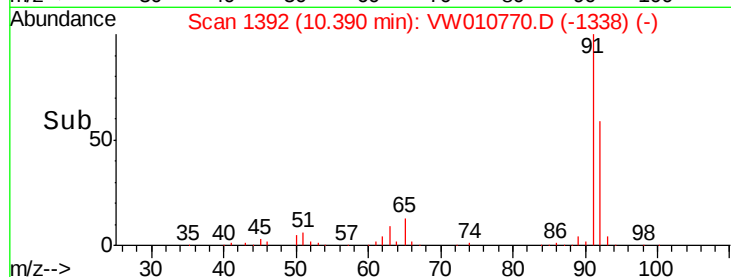
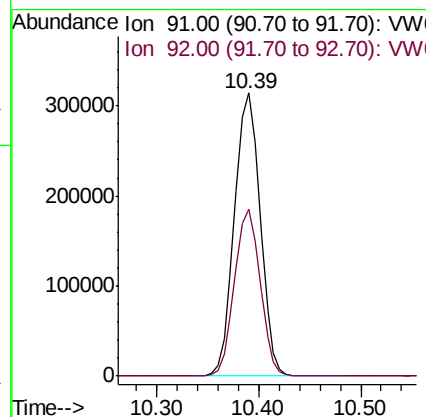
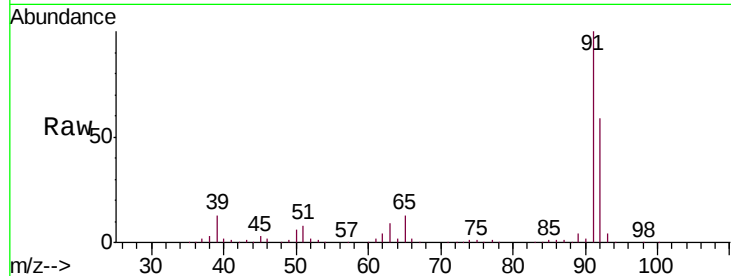
VSTD02520

Tgt Ion: 91 Resp: 549722

Ion Ratio Lower Upper

91 100

92 59.0 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 24.079 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010770.D

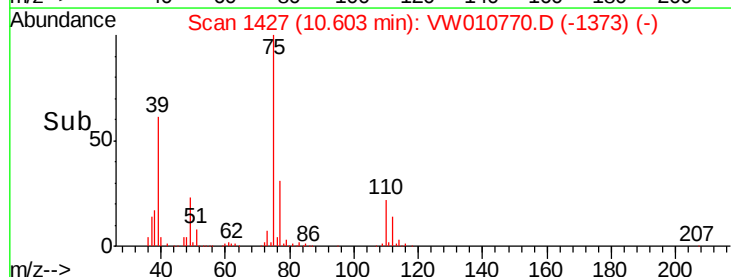
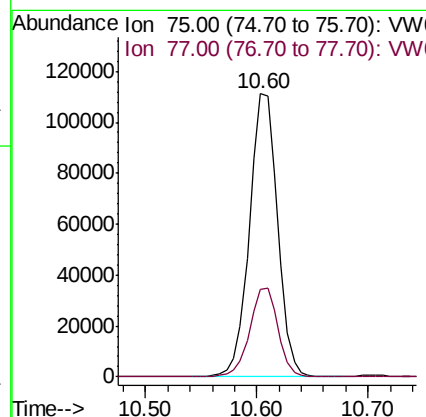
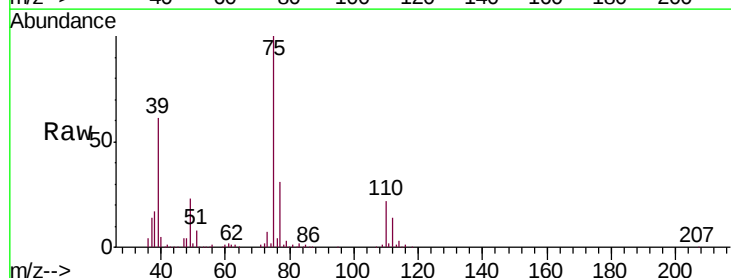
Acq: 11 Jun 2019 16:02

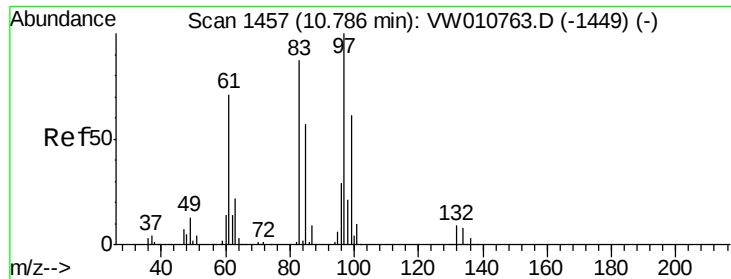
Tgt Ion: 75 Resp: 196031

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 23.472 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

Tgt Ion: 97 Resp: 105536

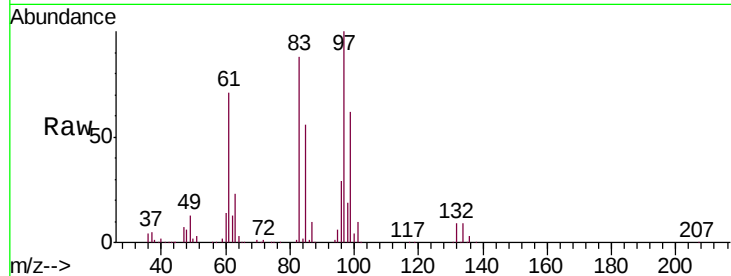
Ion Ratio Lower Upper

97 100

83 87.9 60.8 113.0

85 56.0 39.8 73.8

99 62.0 42.7 79.3

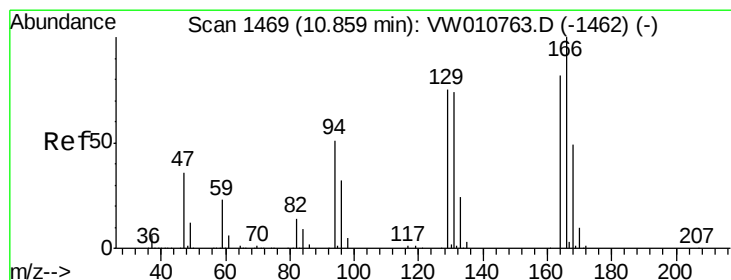
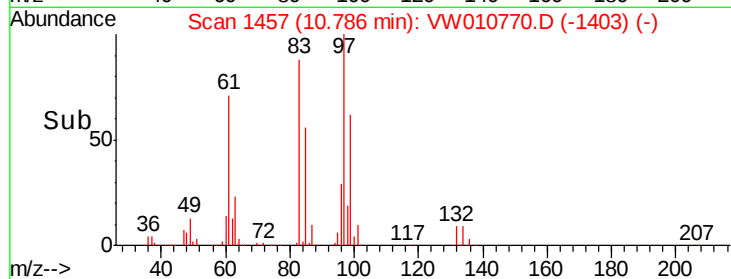
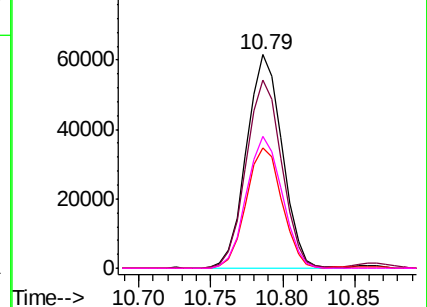


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 22.697 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Tgt Ion: 164 Resp: 98769

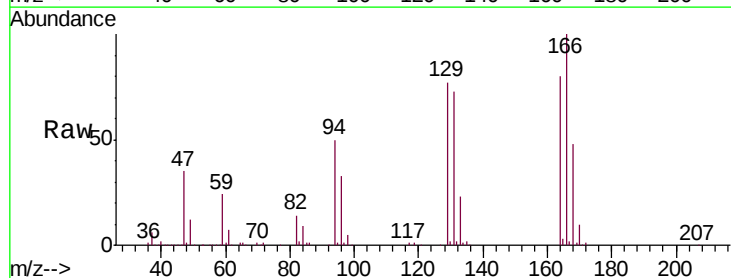
Ion Ratio Lower Upper

164 100

129 96.7 64.5 119.7

131 91.2 63.6 118.0

166 125.8 85.8 159.3

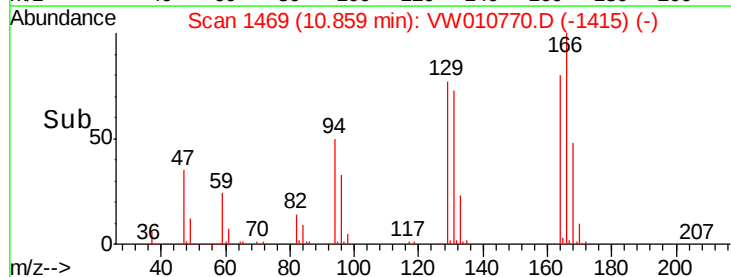
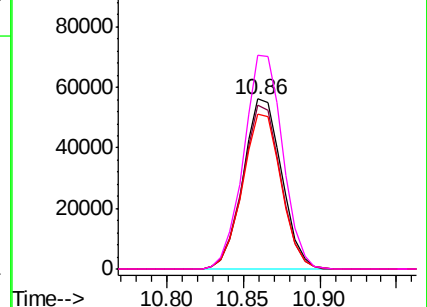


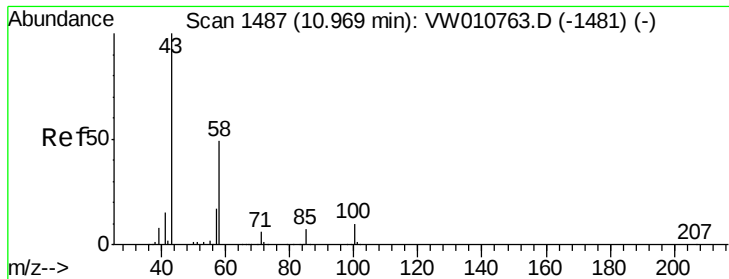
Abundance Ion 164.00 (163.70 to 164.70): V

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

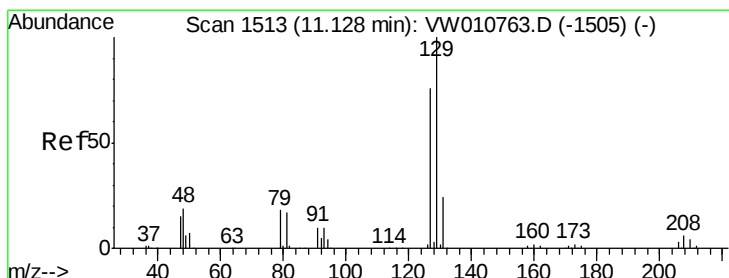
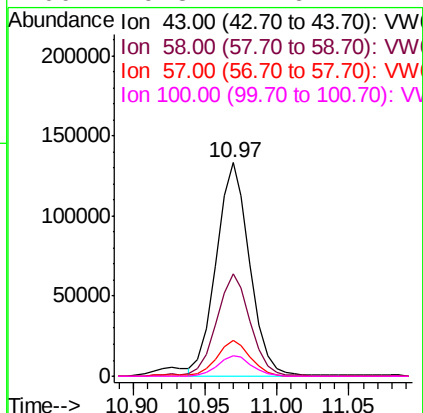
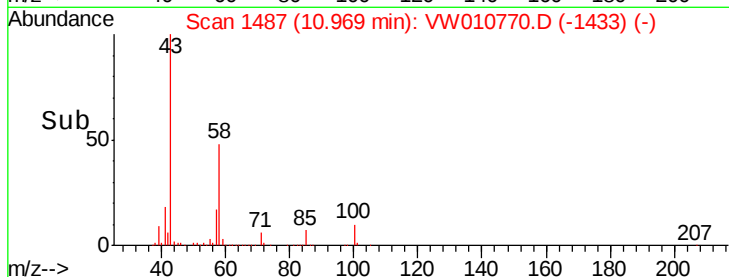
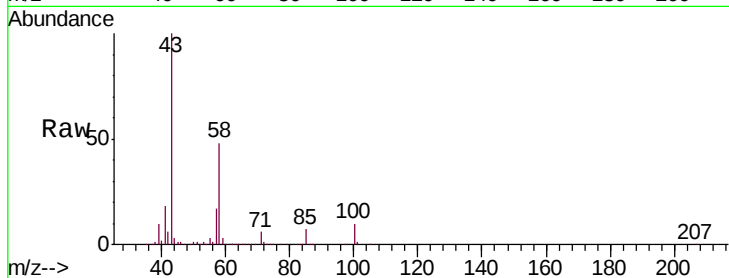




#49
2-Hexanone
Concen: 48.126 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

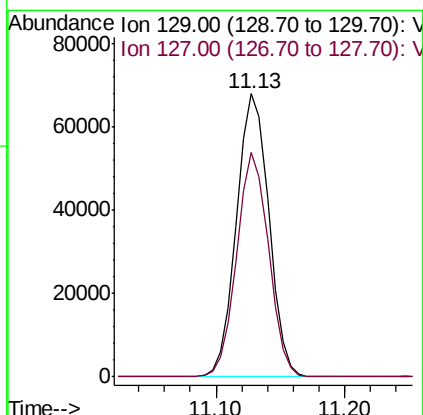
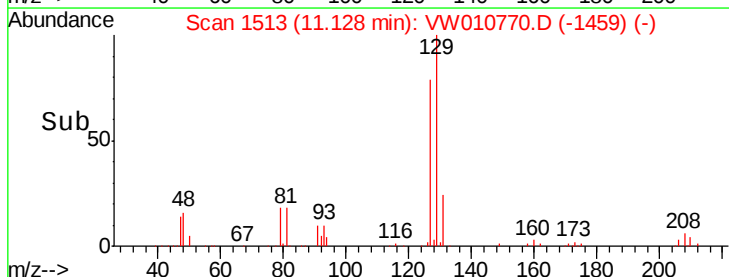
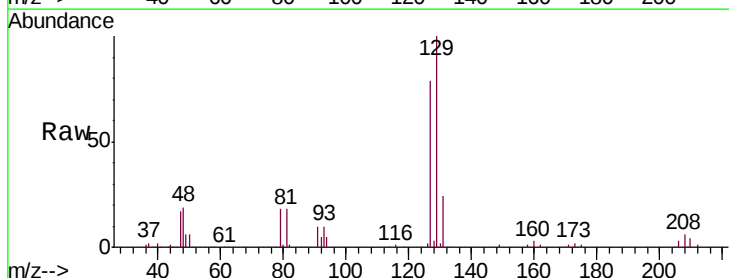
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

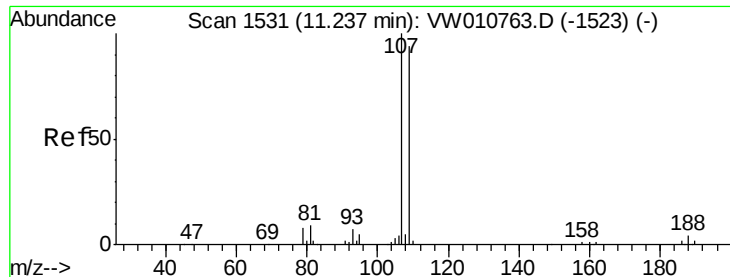
Tgt Ion:	43	Resp:	216497
Ion	Ratio	Lower	Upper
43	100		
58	48.0	39.5	59.3
57	17.0	13.8	20.8
100	9.8	7.6	11.4



#50
Dibromochloromethane
Concen: 23.806 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

Tgt Ion:	129	Resp:	118626
Ion	Ratio	Lower	Upper
129	100		
127	79.2	53.1	98.7

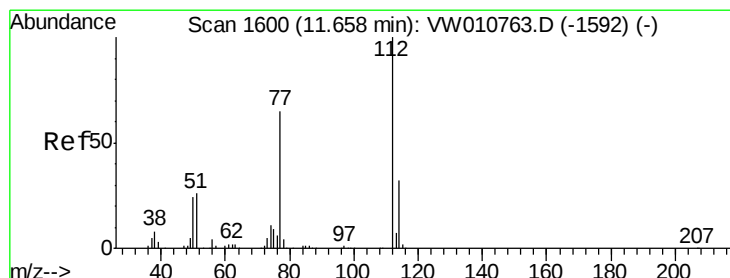
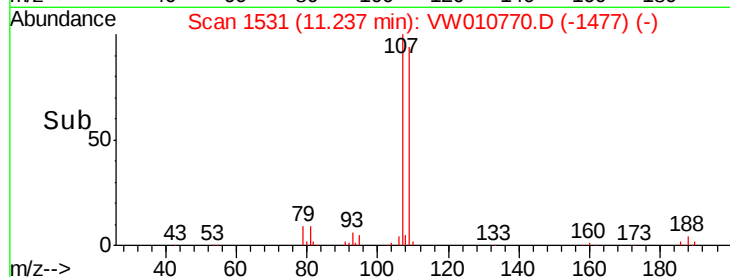
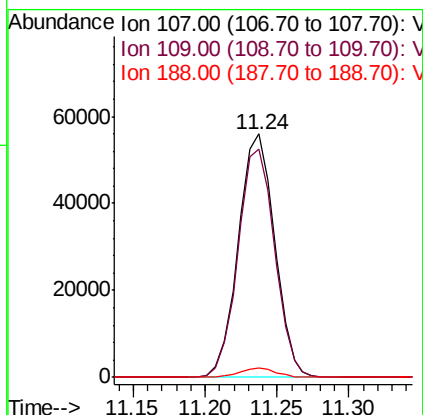
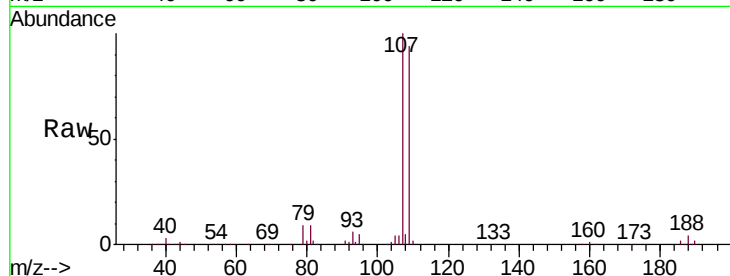




#51
1,2-Dibromoethane
Concen: 22.820 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

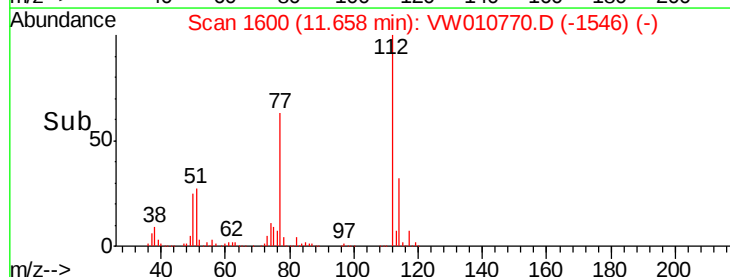
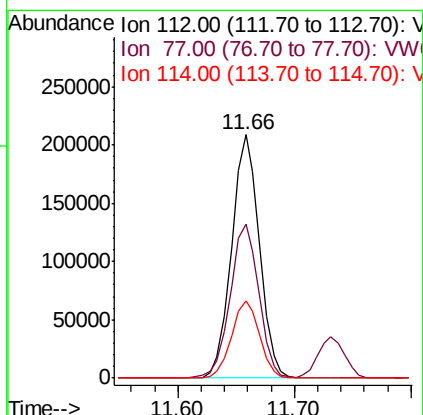
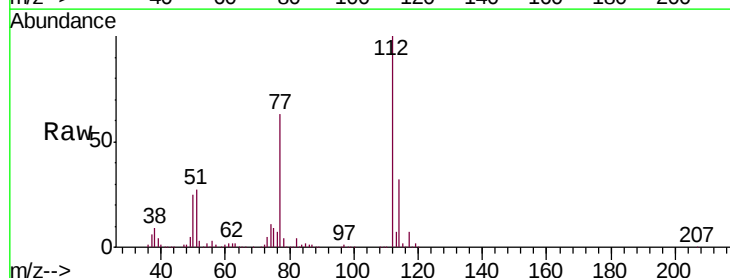
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

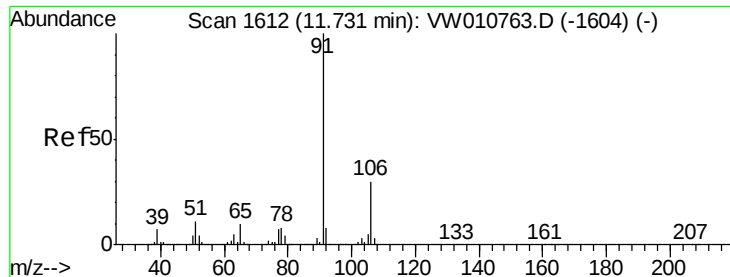
Tgt Ion:107 Resp: 98246
Ion Ratio Lower Upper
107 100
109 93.8 66.0 122.6
188 3.8 3.1 4.7



#52
Chlorobenzene
Concen: 23.341 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

Tgt Ion:112 Resp: 345374
Ion Ratio Lower Upper
112 100
77 63.3 51.8 77.8
114 31.8 22.1 41.1

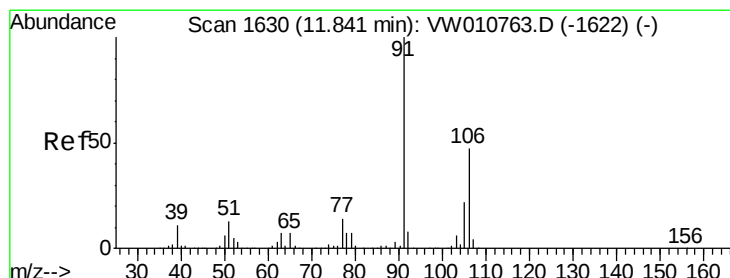
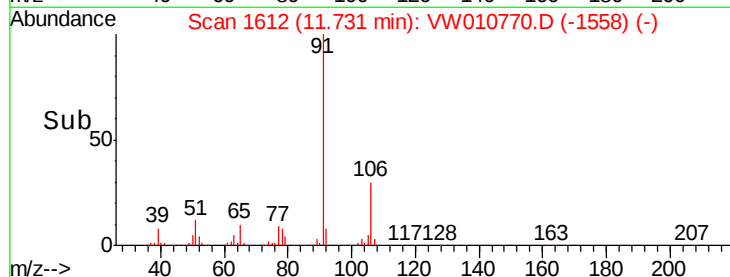
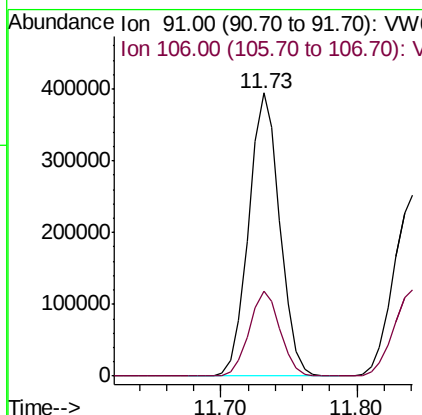
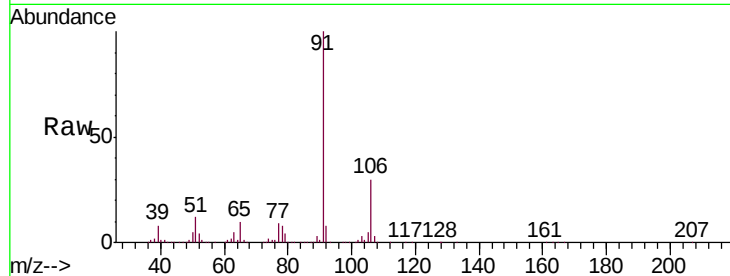




#53
Ethylbenzene
Concen: 23.235 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

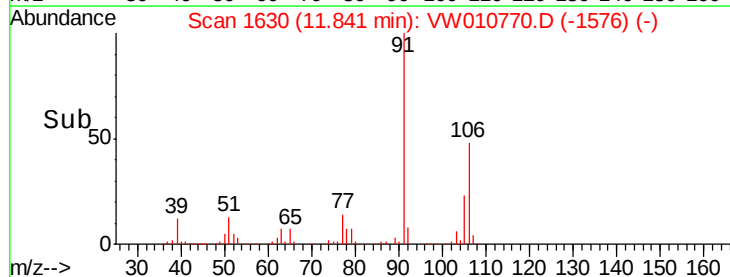
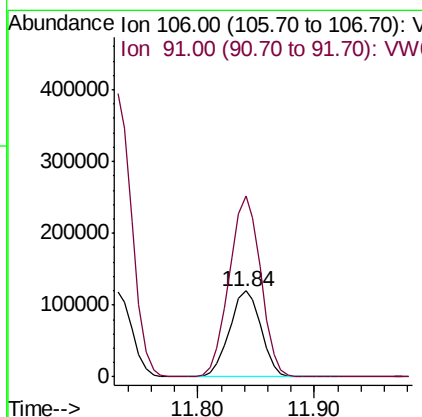
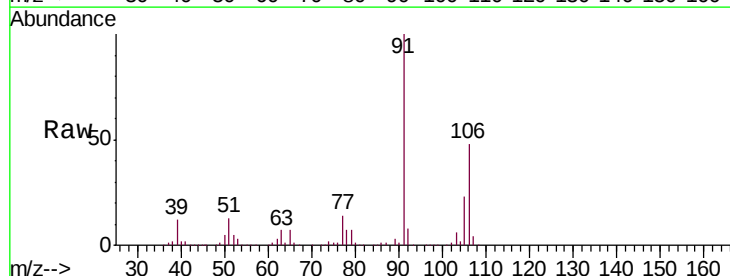
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

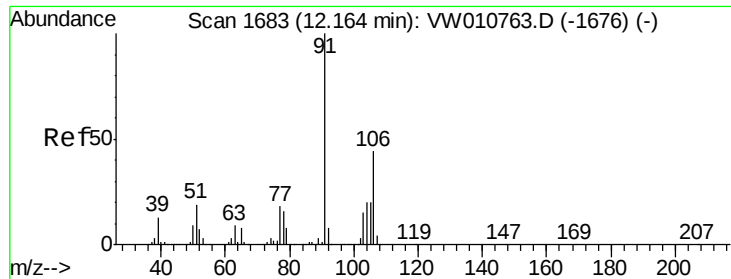
Tgt Ion: 91 Resp: 631104
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.3



#54
m,p-Xylene
Concen: 23.100 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010770.D
Acq: 11 Jun 2019 16:02

Tgt Ion: 106 Resp: 226102
Ion Ratio Lower Upper
106 100
91 210.4 148.7 276.1





#55

o-xylene

Concen: 23.258 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

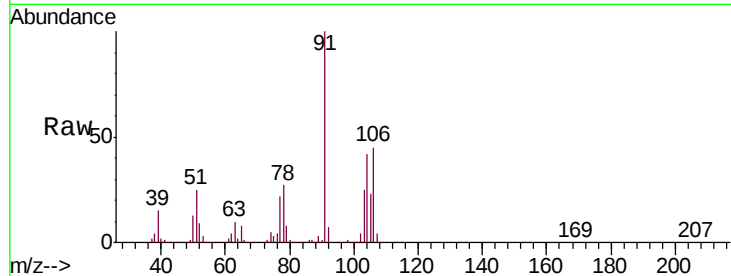
VSTD02520

Tgt Ion:106 Resp: 220747

Ion Ratio Lower Upper

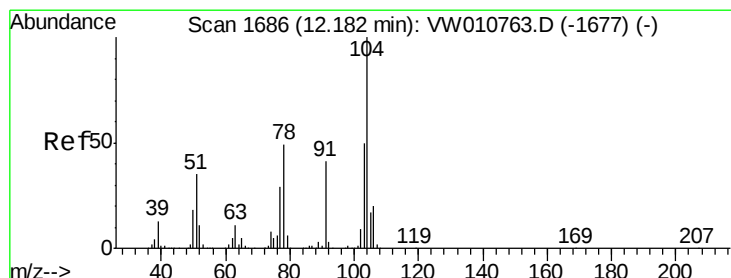
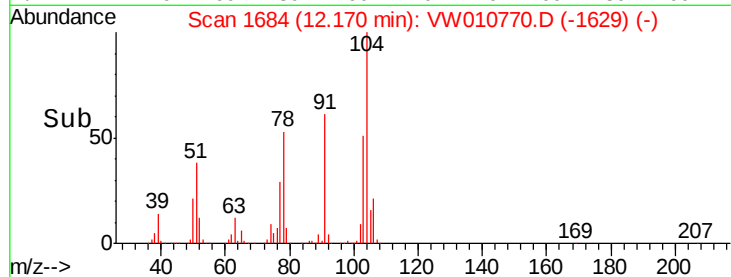
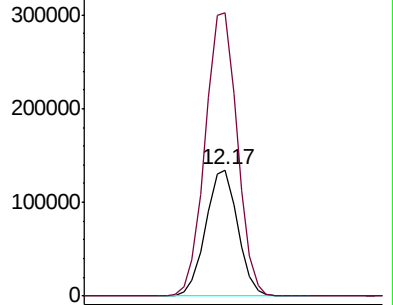
106 100

91 224.7 157.8 293.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 23.678 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010770.D

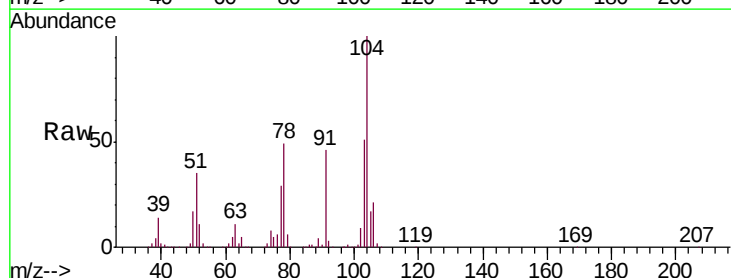
Acq: 11 Jun 2019 16:02

Tgt Ion:104 Resp: 391068

Ion Ratio Lower Upper

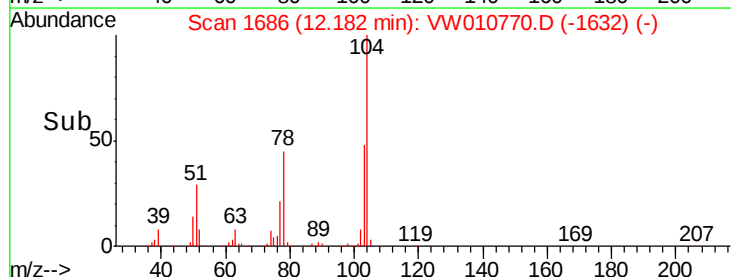
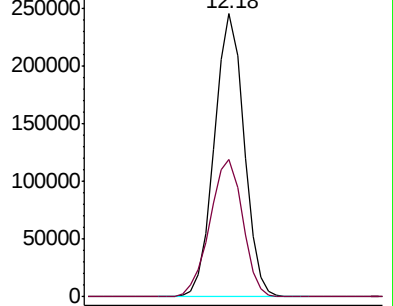
104 100

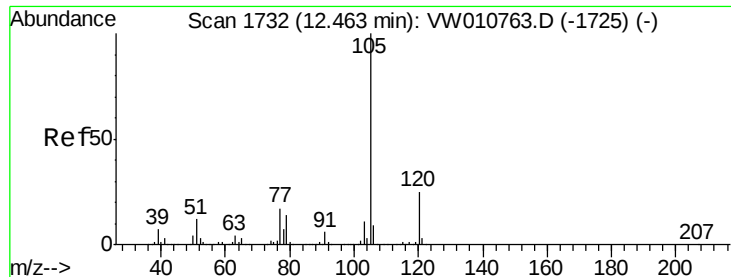
78 48.6 34.2 63.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 23.582 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

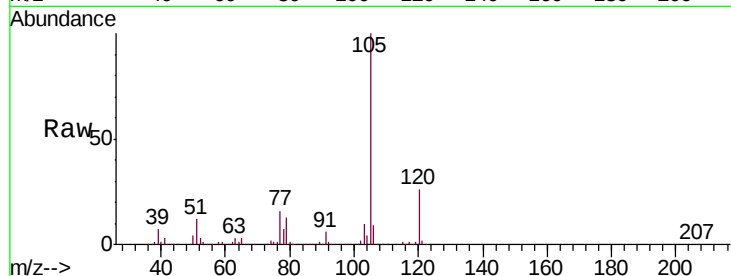
Tgt Ion: 105 Resp: 612845

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7

77 16.9 13.6 20.4

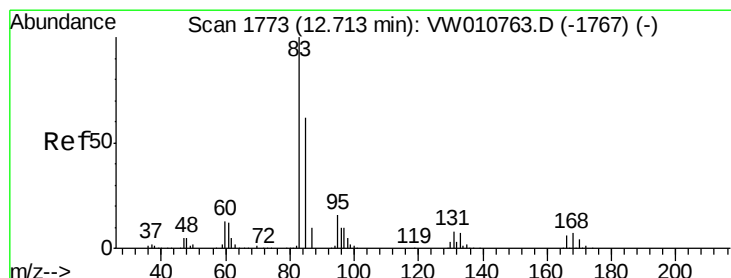
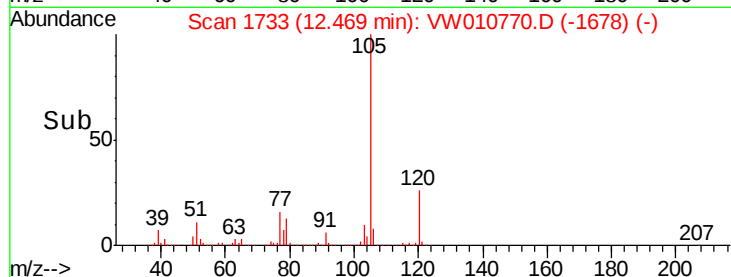
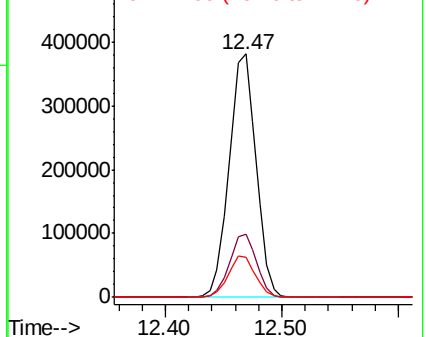


Abundance

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: 23.754 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

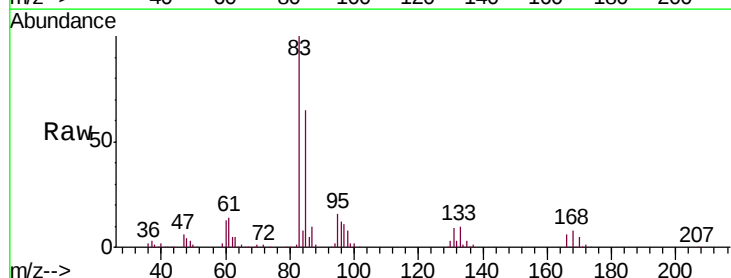
Tgt Ion: 83 Resp: 143100

Ion Ratio Lower Upper

83 100

85 64.6 44.0 81.6

131 9.1 7.0 10.6

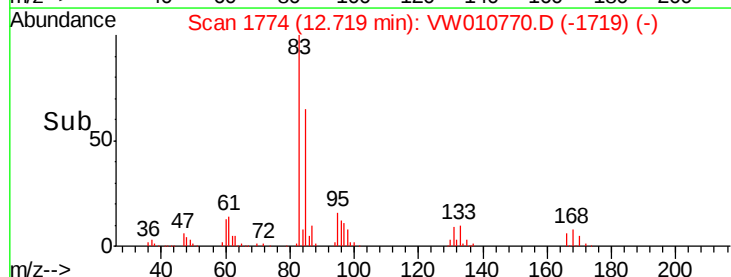
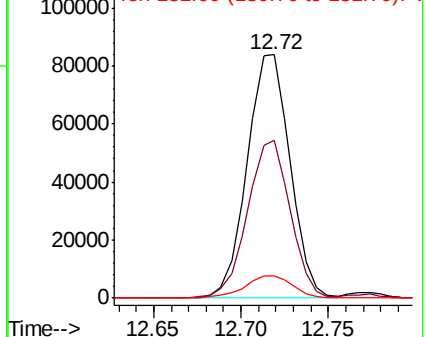


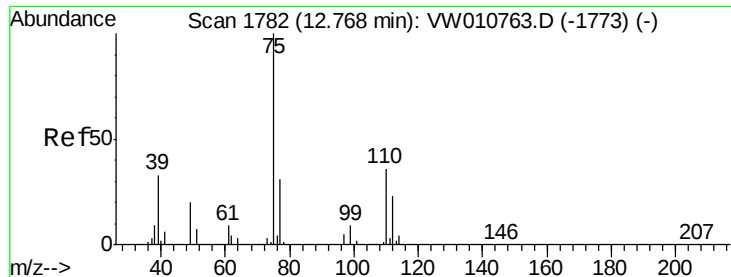
Abundance

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: 23.559 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

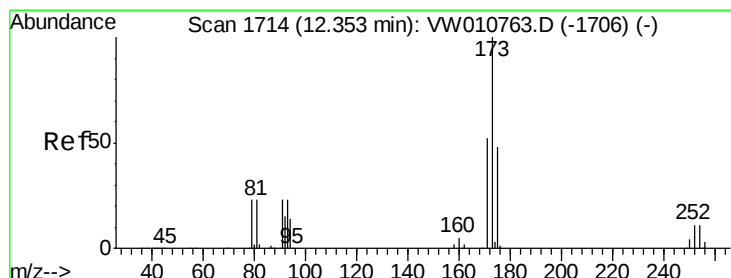
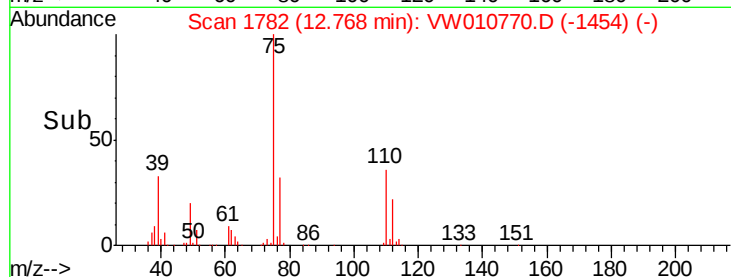
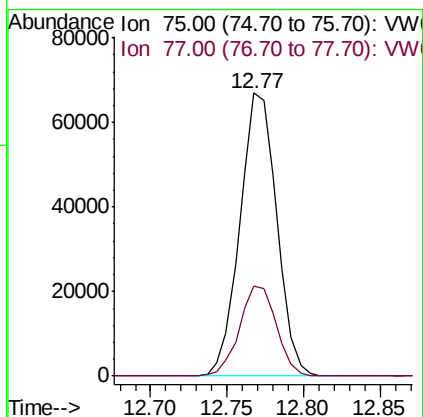
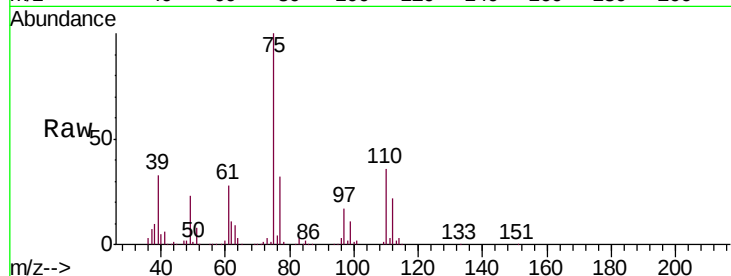
VSTD02520

Tgt Ion: 75 Resp: 112199

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



#62

Bromoform

Concen: 23.810 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

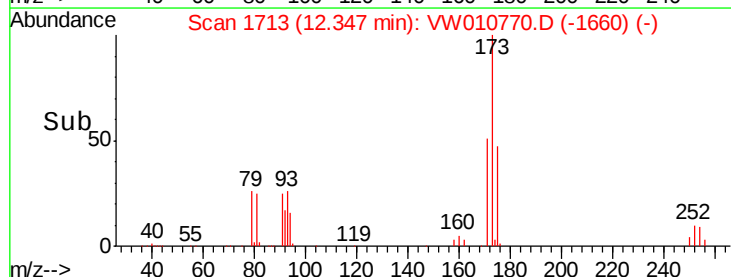
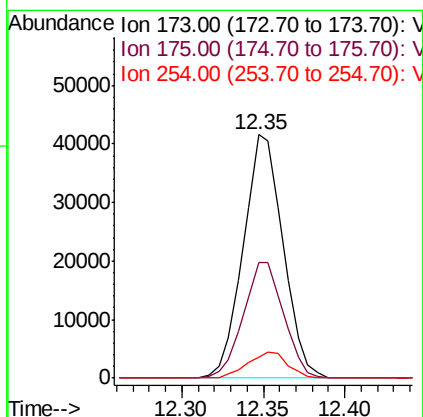
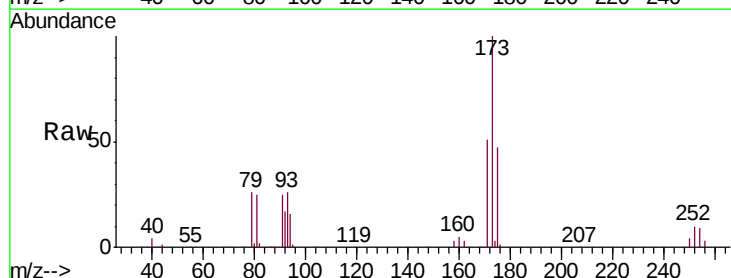
Tgt Ion: 173 Resp: 70697

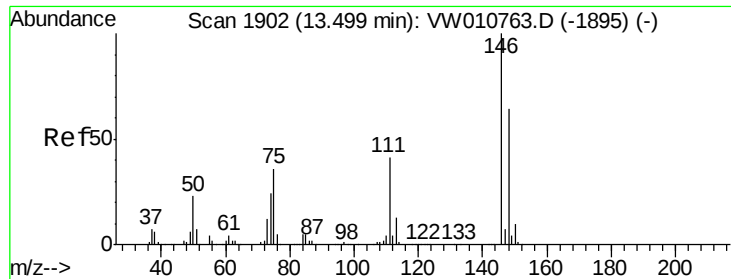
Ion Ratio Lower Upper

173 100

175 48.3 38.7 58.1

254 10.7 8.6 13.0

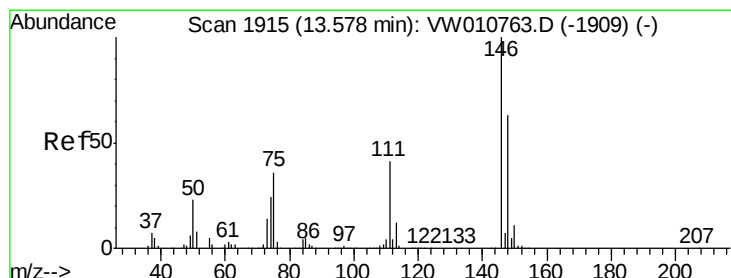
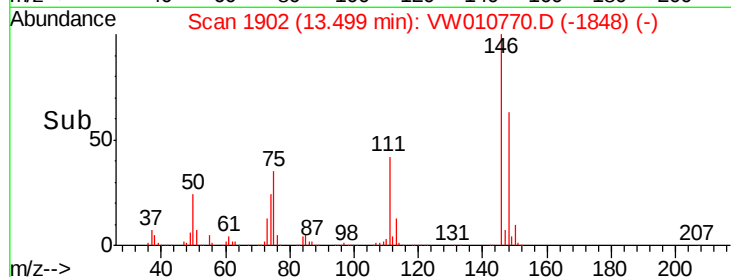
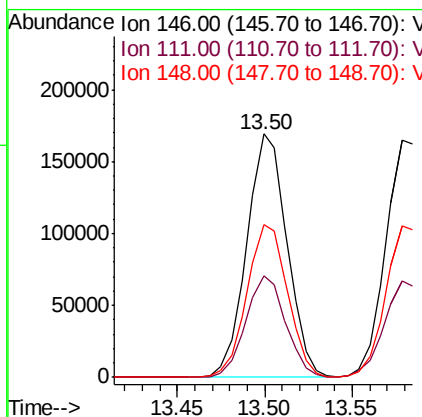
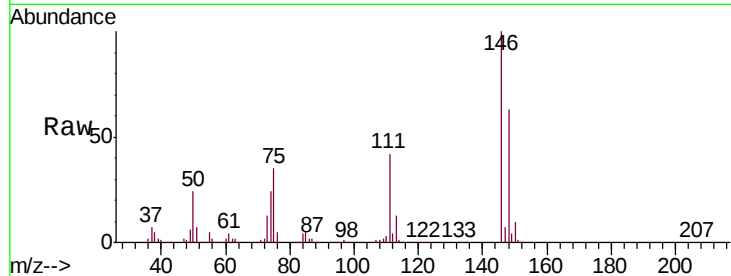




#63
 1,3-Dichlorobenzene
 Concen: 23.926 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010770.D
 Acq: 11 Jun 2019 16:02

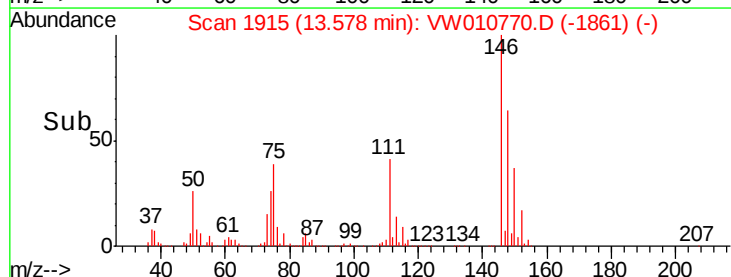
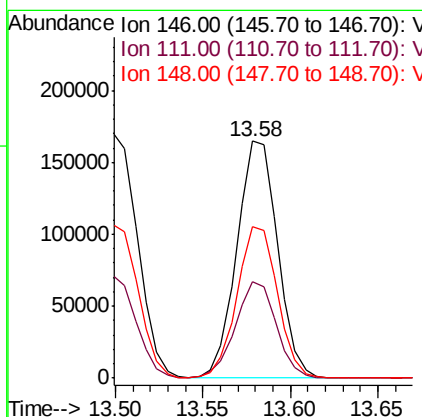
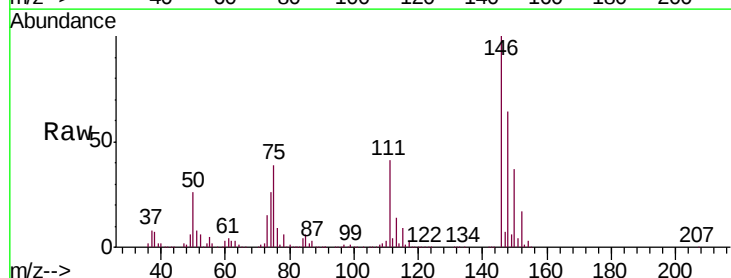
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

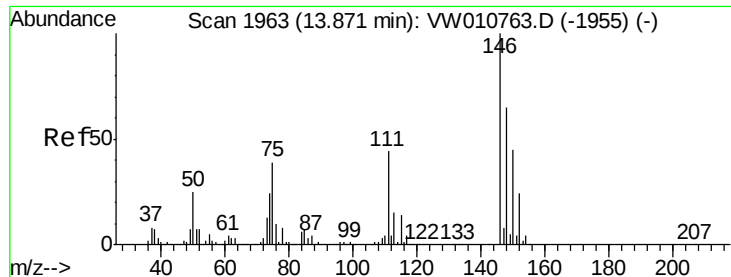
Tgt Ion:146 Resp: 270263
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.6 53.2
 148 62.9 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 23.522 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010770.D
 Acq: 11 Jun 2019 16:02

Tgt Ion:146 Resp: 268906
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.0 53.9
 148 63.9 44.4 82.4





#65

1,2-Dichlorobenzene

Concen: 23.844 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

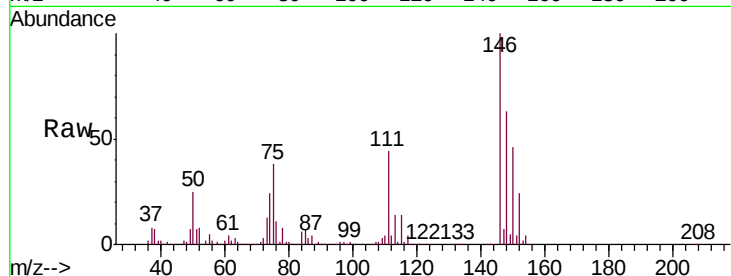
Tgt Ion:146 Resp: 251985

Ion Ratio Lower Upper

146 100

111 44.3 35.3 52.9

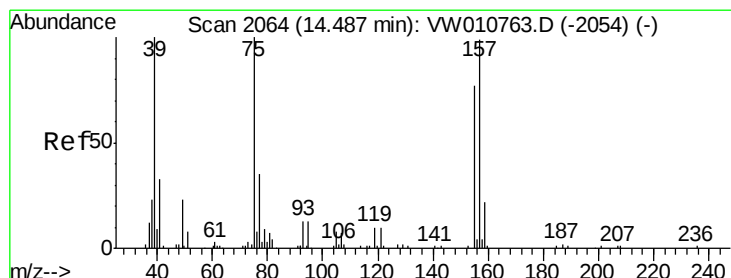
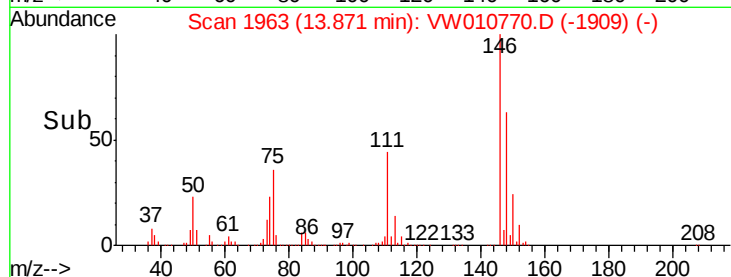
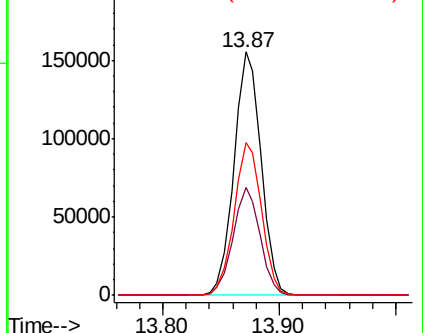
148 63.0 51.9 77.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 23.705 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

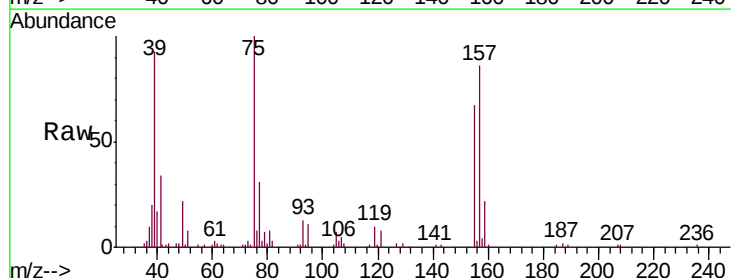
Tgt Ion: 75 Resp: 26408

Ion Ratio Lower Upper

75 100

157 86.0 79.1 118.7

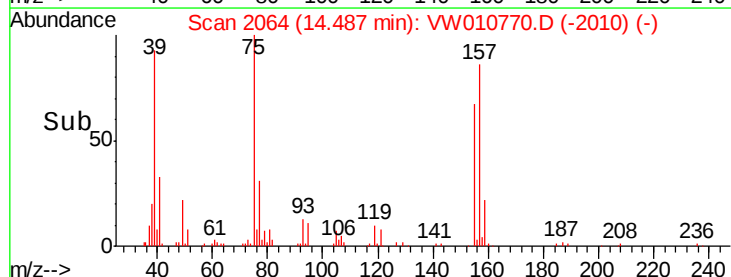
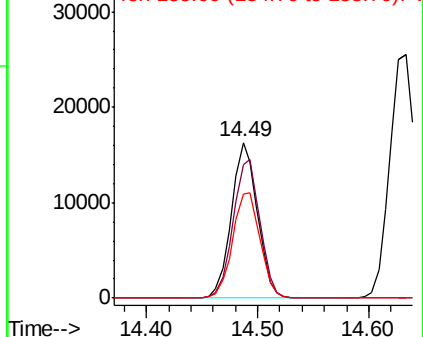
155 66.7 62.0 93.0

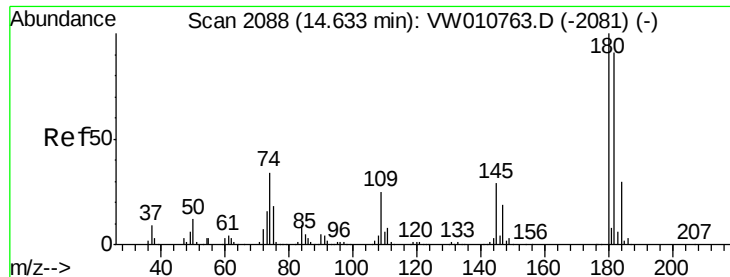


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

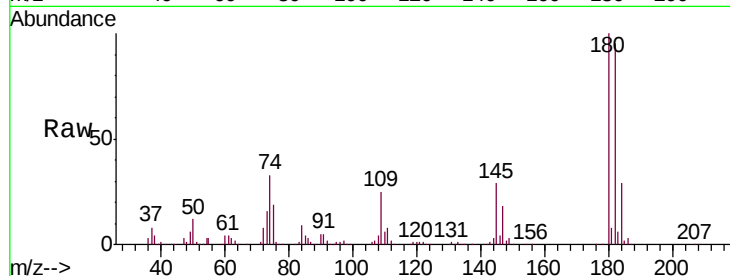




#67
 1,3,5-Trichlorobenzene
 Concen: 24.430 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010770.D
 Acq: 11 Jun 2019 16:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.5	114.7
184	30.2	24.6	37.0
145	29.6	24.1	36.1



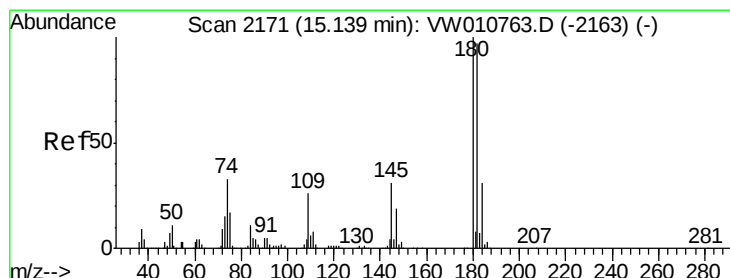
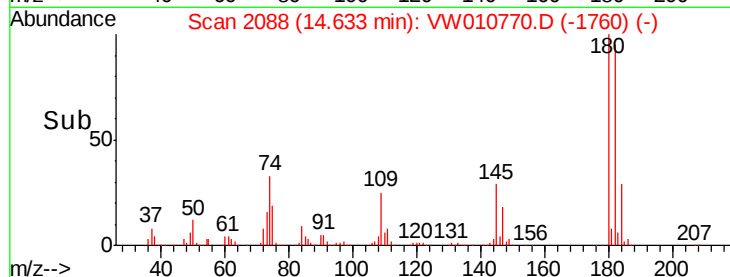
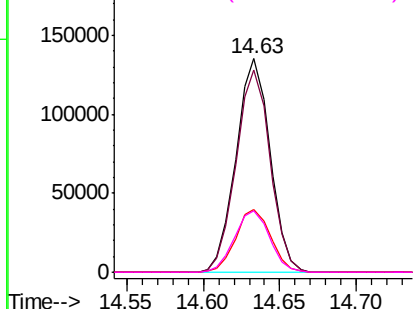
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

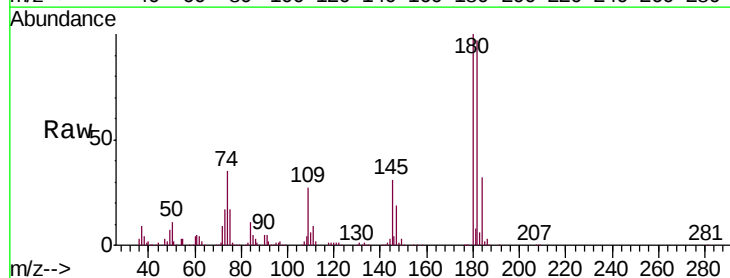
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.558 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010770.D
 Acq: 11 Jun 2019 16:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	31.0	24.8	37.2

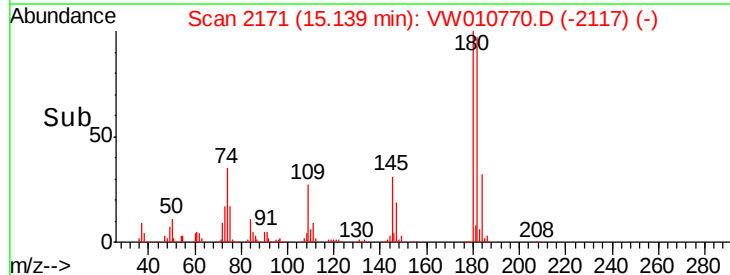
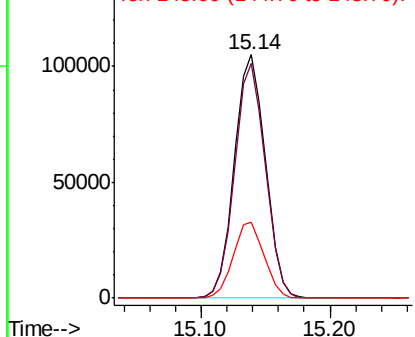


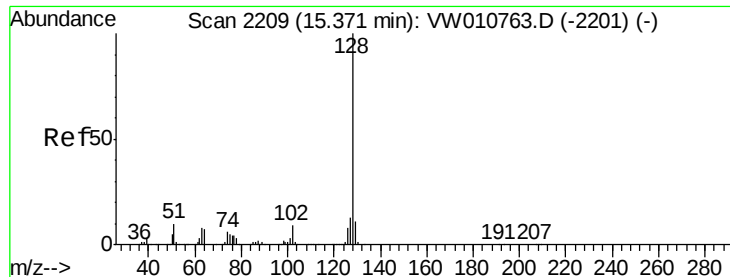
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.965 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

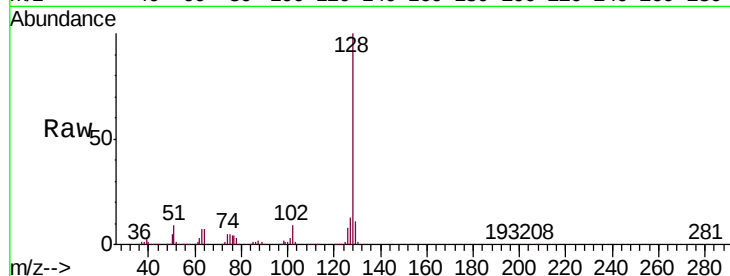
Tgt Ion:128 Resp: 377632

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

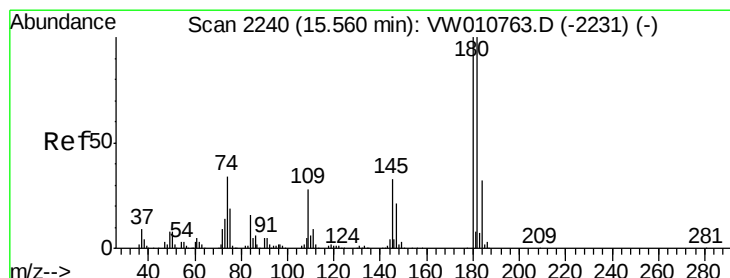
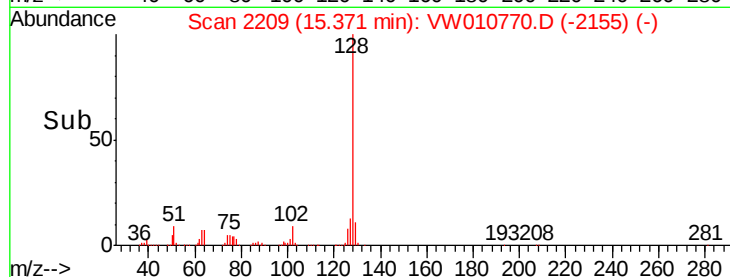
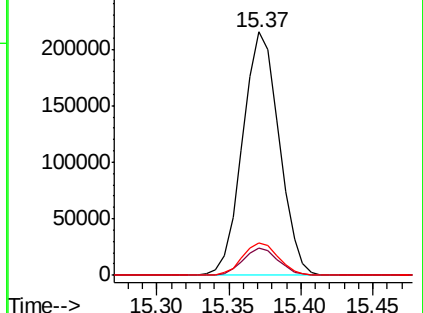
127 13.2 10.4 15.6



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: 24.732 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010770.D

Acq: 11 Jun 2019 16:02

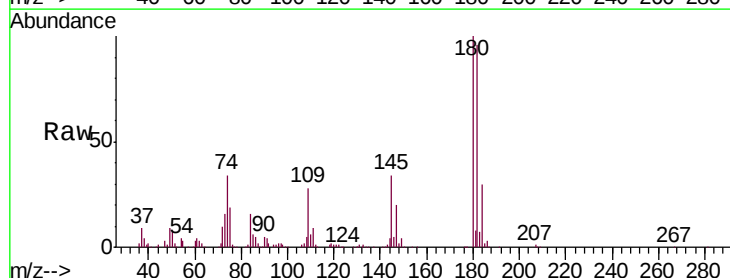
Tgt Ion:180 Resp: 158539

Ion Ratio Lower Upper

180 100

182 96.1 76.6 115.0

145 32.9 25.8 38.8



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

