

Data File : VW011010.D
Acq On : 26 Jun 2019 17:47
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Quant Time: Jun 27 07:35:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 27 07:30:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	348783	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	314735	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	153343	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	112024	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.12%
7) Chloroethane-d5	2.88	69	84948	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.48%
10) 1,1-Dichloroethene-d2	4.02	63	258276	24.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.68%
20) 2-Butanone-d5	7.07	46	127764	60.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.36%
24) Chloroform-d	7.64	84	248095	26.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.52%
26) 1,2-Dichloroethane-d4	8.31	65	155449	26.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.64%
29) Benzene-d6	8.27	84	497048	26.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.20%
33) 1,2-Dichloropropane-d6	9.27	67	165542	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.04%
37) Toluene-d8	10.32	98	448050	26.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.12%
38) trans-1,3-Dichloropropene-	10.58	79	67974	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.40%
39) 2-Hexanone-d5	10.92	63	81032	57.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	146493	28.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	151414	26.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	106230	21.668 ug/L	96
3) Chloromethane	2.21	50	116895	22.426 ug/L	100
5) Vinyl chloride	2.36	62	152439	24.459 ug/L	99
6) Bromomethane	2.77	94	69907	22.725 ug/L	98
8) Chloroethane	2.92	64	76556	23.194 ug/L	100
9) Trichlorofluoromethane	3.25	101	45401	21.571 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	118204	24.166 ug/L	100
12) 1,1-Dichloroethene	4.04	96	116009	23.762 ug/L	100
13) Acetone	4.12	43	113995	56.069 ug/L	97
14) Carbon disulfide	4.39	76	321338	22.231 ug/L	100
15) Methyl Acetate	4.66	43	90528	25.723 ug/L	99
16) Methylene chloride	4.91	84	126480	24.485 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	179058	23.425 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	117019	23.836 ug/L	97
19) 1,1-Dichloroethane	6.21	63	240741	24.009 ug/L	99
21) 2-Butanone	7.17	43	144379	53.998 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	125998	23.853 ug/L	99

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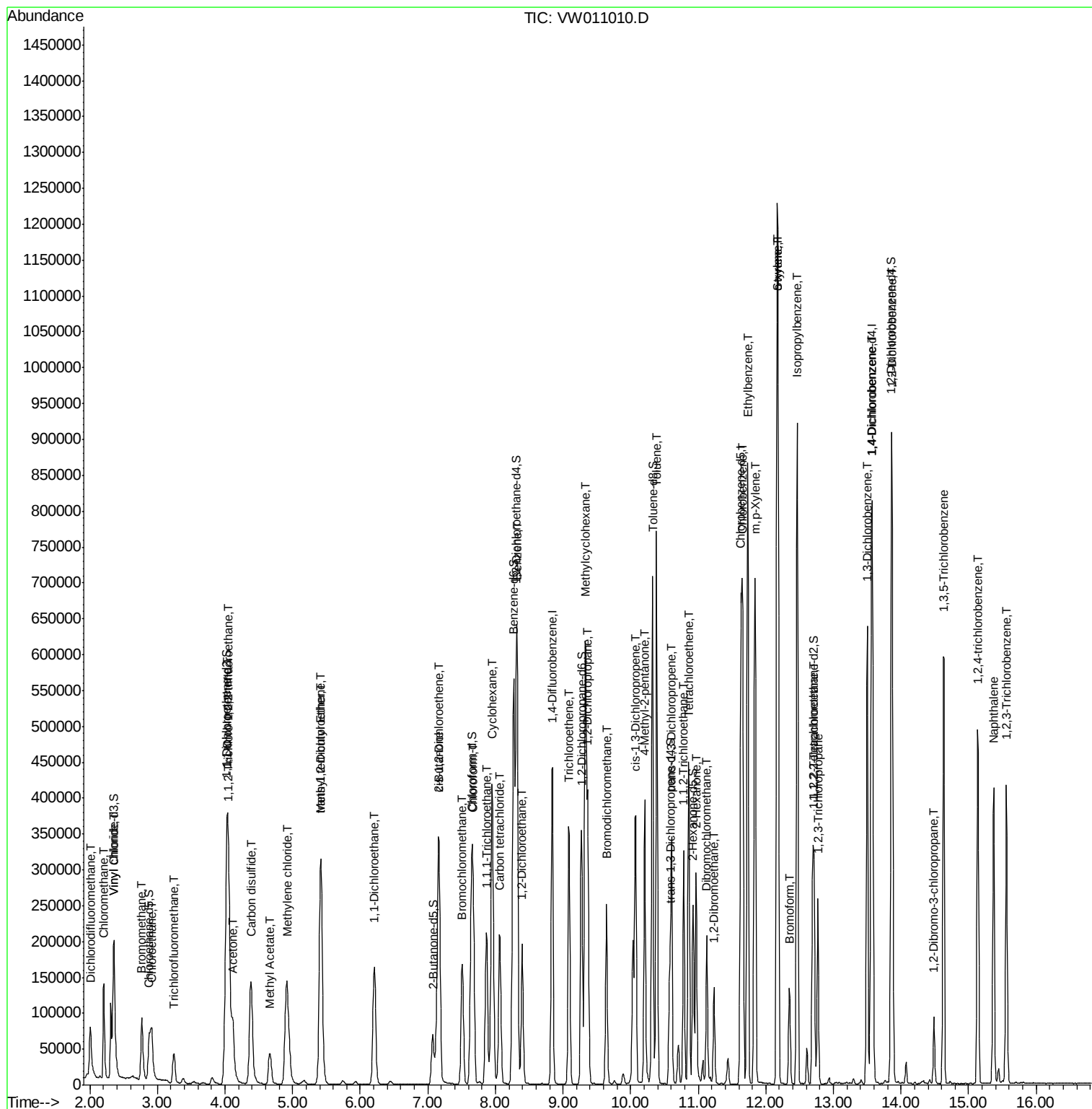
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	53273	23.713	ug/L	96
25) Chloroform	7.67	83	222970	24.237	ug/L	99
27) 1,2-Dichloroethane	8.40	62	172885	23.982	ug/L	99
30) Cyclohexane	7.95	56	245992	23.636	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	164222	23.991	ug/L	100
32) Carbon tetrachloride	8.06	117	151979	23.506	ug/L	98
34) Benzene	8.32	78	504709	24.403	ug/L	100
35) Trichloroethene	9.09	95	124855	23.805	ug/L	99
36) Methylcyclohexane	9.33	83	234102	24.317	ug/L	99
40) 1,2-Dichloropropane	9.37	63	137928	24.229	ug/L	99
41) Bromodichloromethane	9.64	83	158838	23.777	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	207435	23.688	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	280416	53.082	ug/L	100
44) Toluene	10.38	91	528009	24.415	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	170141	23.504	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96229	24.666	ug/L	97
47) Tetrachloroethene	10.86	164	95114	23.912	ug/L	98
49) 2-Hexanone	10.97	43	201853	53.709	ug/L	99
50) Dibromochloromethane	11.13	129	101778	23.693	ug/L	96
51) 1,2-Dibromoethane	11.23	107	92528	24.525	ug/L	99
52) Chlorobenzene	11.66	112	311742	23.955	ug/L	99
53) Ethylbenzene	11.73	91	590760	24.246	ug/L	100
54) m,p-Xylene	11.84	106	215719	24.399	ug/L	99
55) o-xylene	12.16	106	205406	24.211	ug/L	100
56) Styrene	12.18	104	353610	24.170	ug/L	98
57) Isopropylbenzene	12.46	105	561579	24.398	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	129988	25.482	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	102432	25.862	ug/L	100
62) Bromoform	12.35	173	59061	24.063	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	236274	23.667	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	237761	23.709	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	221125	23.948	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22616	23.937	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	176957	23.288	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	147049	22.834	ug/L	100
69) Naphthalene	15.37	128	329574	23.982	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	135184	23.109	ug/L	99

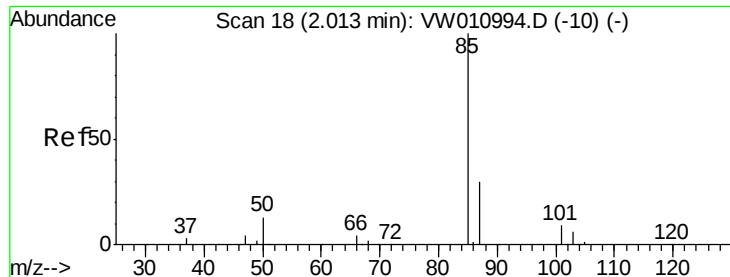
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.668 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

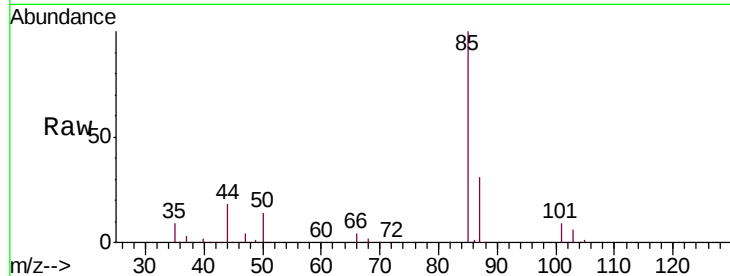
VSTD02510

Tgt Ion: 85 Resp: 106230

Ion Ratio Lower Upper

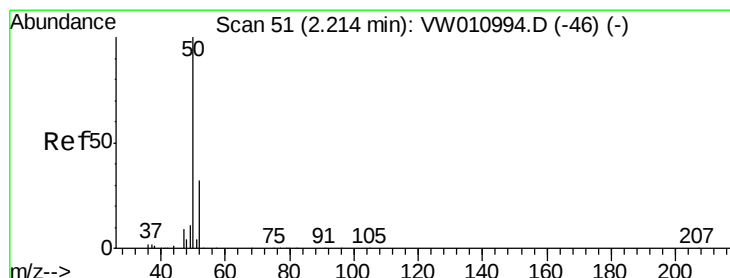
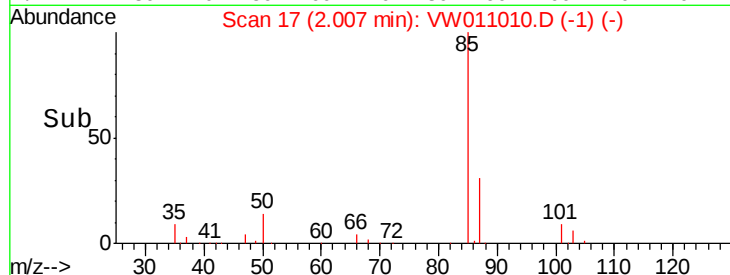
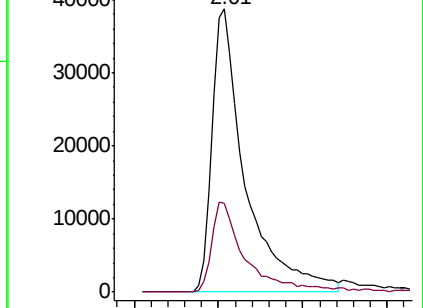
85 100

87 29.2 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.426 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011010.D

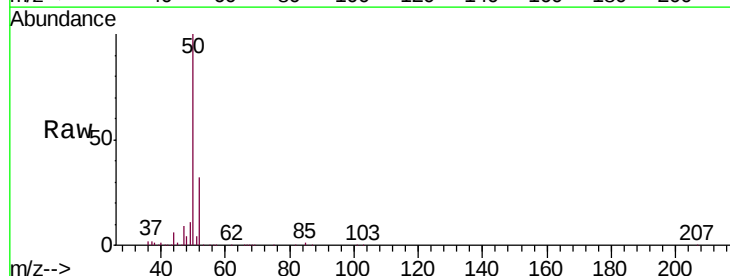
Acq: 26 Jun 2019 17:47

Tgt Ion: 50 Resp: 116895

Ion Ratio Lower Upper

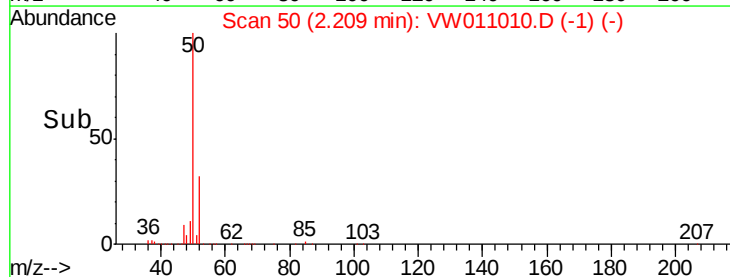
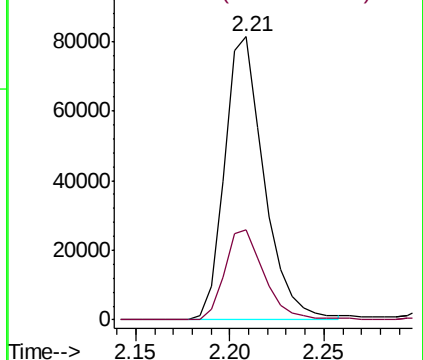
50 100

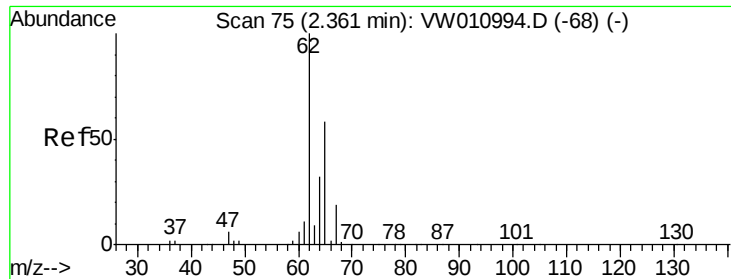
52 31.9 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.459 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011010.D

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Instrument :

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ClientSampleId :

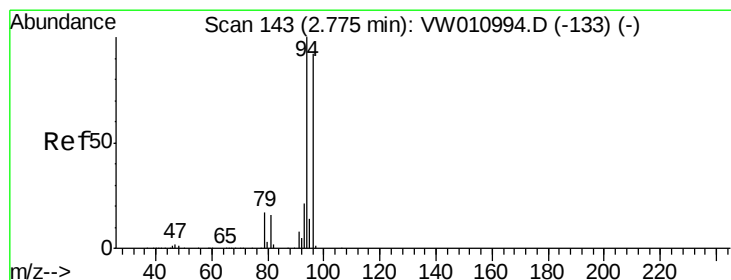
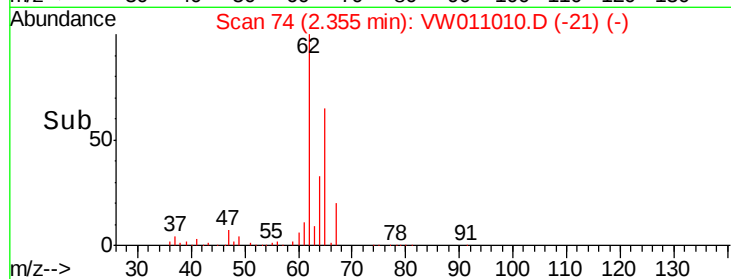
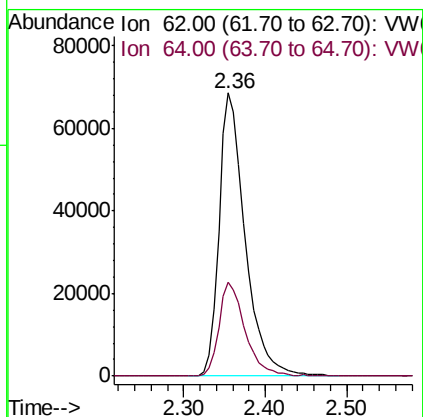
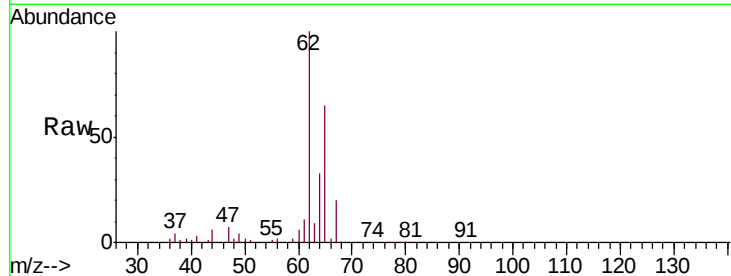
VSTD02510

Tgt Ion: 62 Resp: 152439

Ion Ratio Lower Upper

62 100

64 33.3 22.9 42.5



#6

Bromomethane

Concen: 22.725 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011010.D

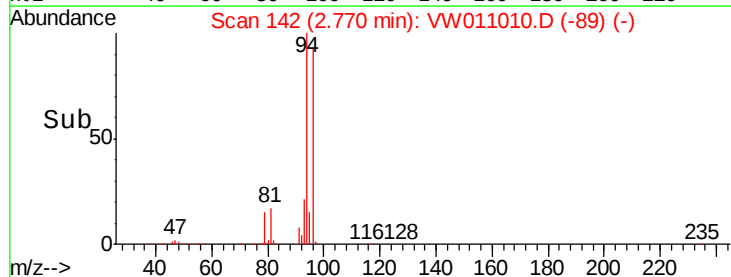
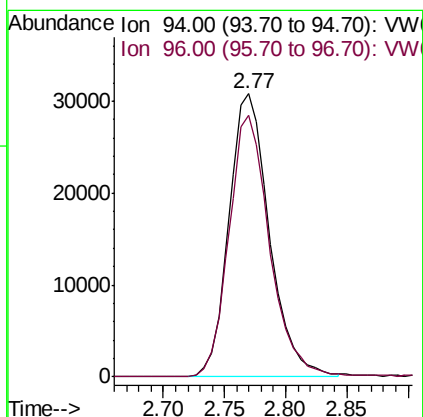
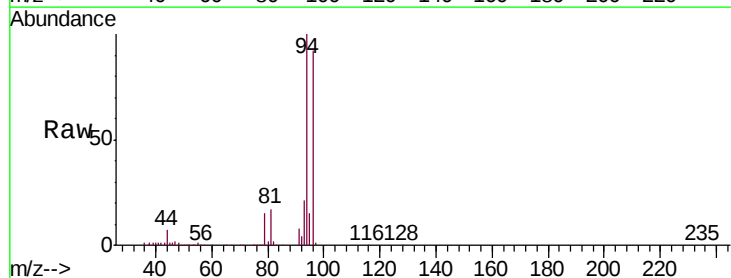
Acq: 26 Jun 2019 17:47

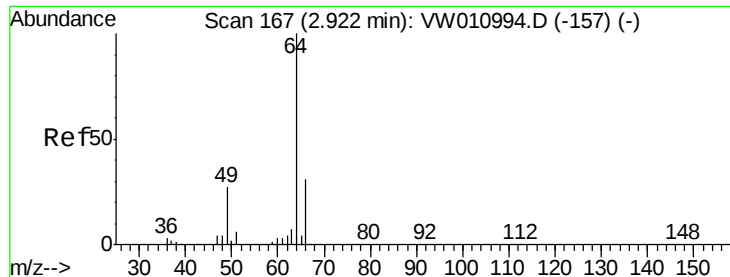
Tgt Ion: 94 Resp: 69907

Ion Ratio Lower Upper

94 100

96 94.2 9.2 175.8





#8

Chloroethane

Concen: 23.194 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

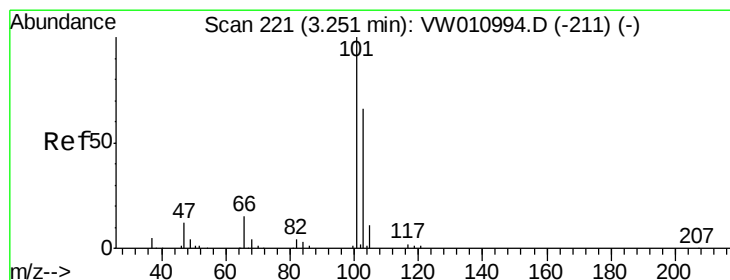
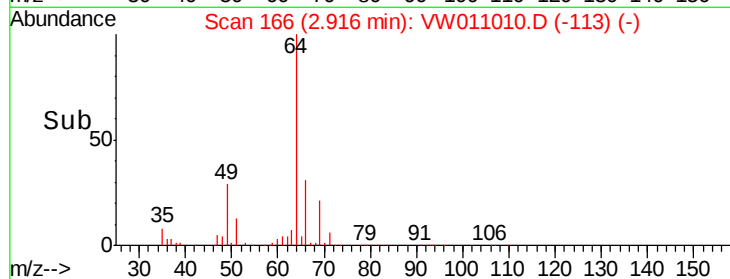
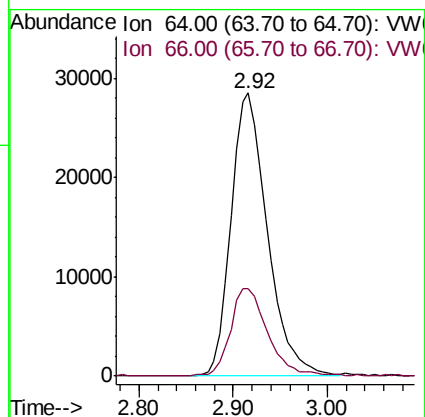
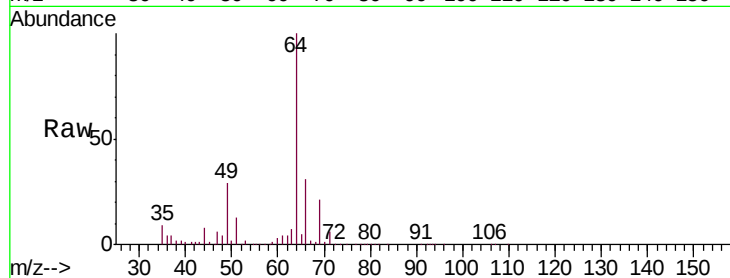
VSTD02510

Tgt Ion: 64 Resp: 76556

Ion Ratio Lower Upper

64 100

66 31.0 21.8 40.4



#9

Trichlorofluoromethane

Concen: 21.571 ug/L

RT: 3.25 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW011010.D

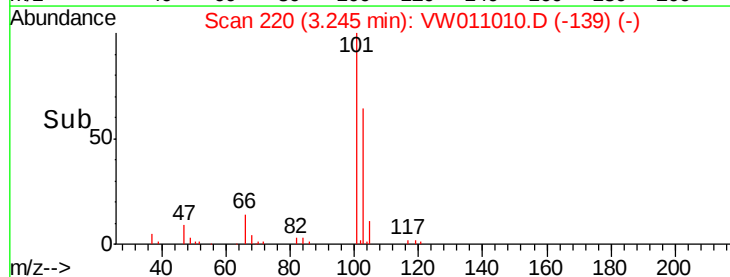
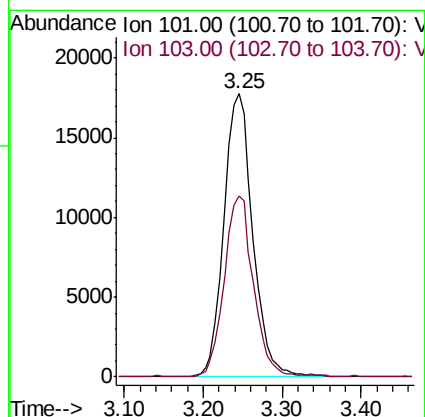
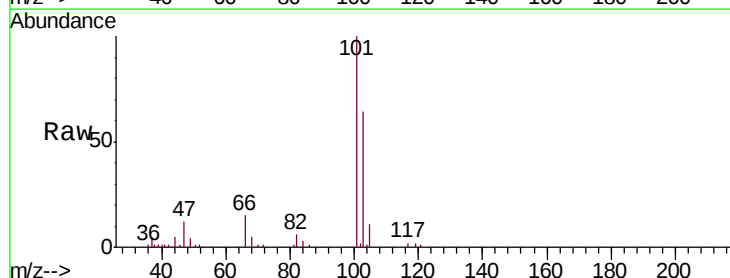
Acq: 26 Jun 2019 17:47

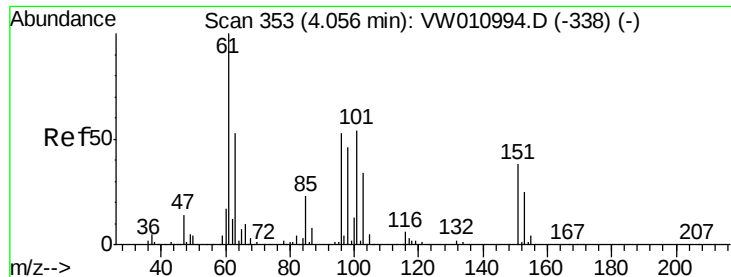
Tgt Ion: 101 Resp: 45401

Ion Ratio Lower Upper

101 100

103 64.2 46.4 86.2





#11

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

Concen: 24.166 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

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ClientSampleId :

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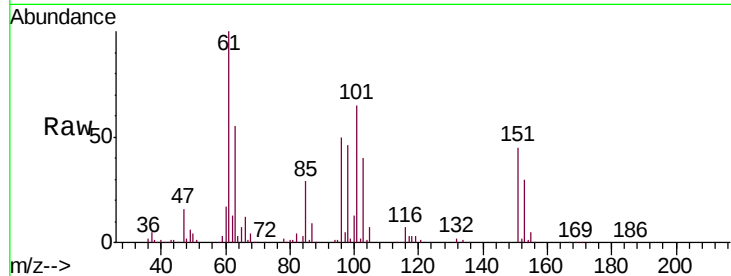
Tgt Ion:101 Resp: 118204

Ion Ratio Lower Upper

101 100

85 44.8 35.8 53.8

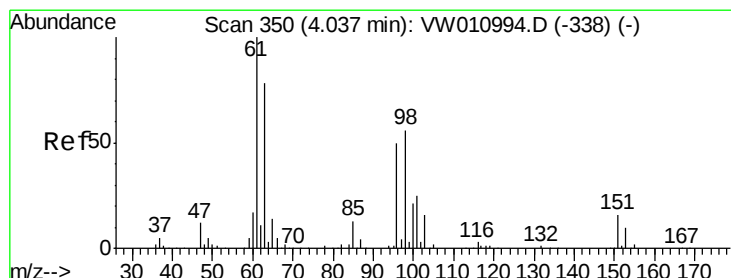
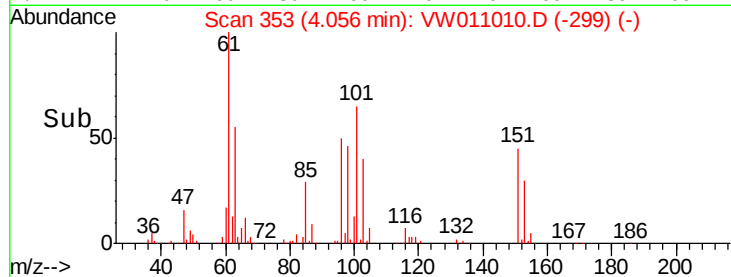
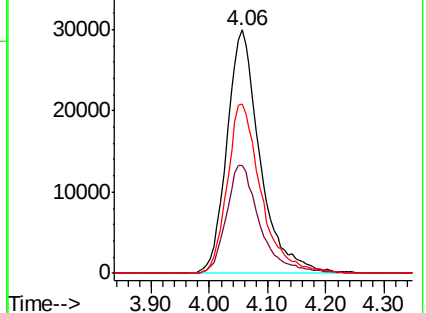
151 70.9 56.9 85.3



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: 23.762 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011010.D

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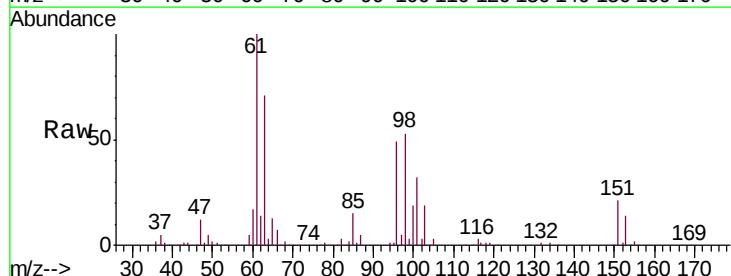
Tgt Ion: 96 Resp: 116009

Ion Ratio Lower Upper

96 100

61 205.4 144.5 268.3

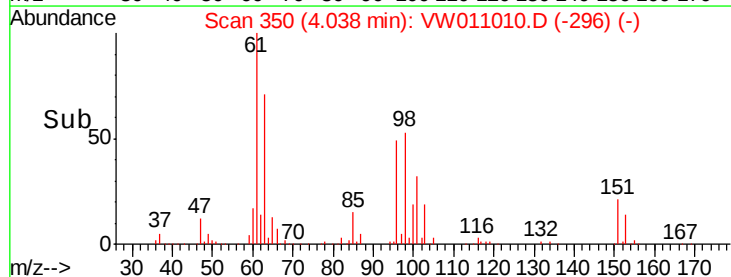
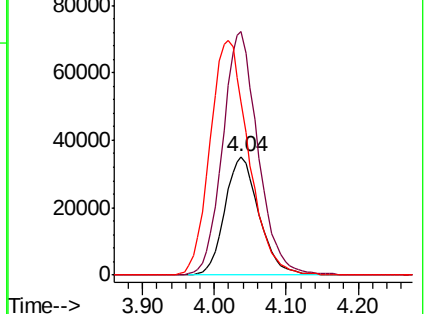
63 146.2 102.3 189.9

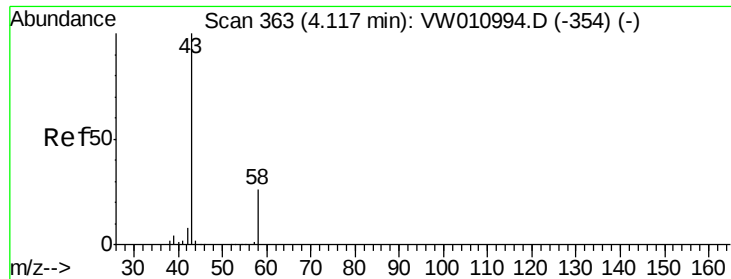


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.069 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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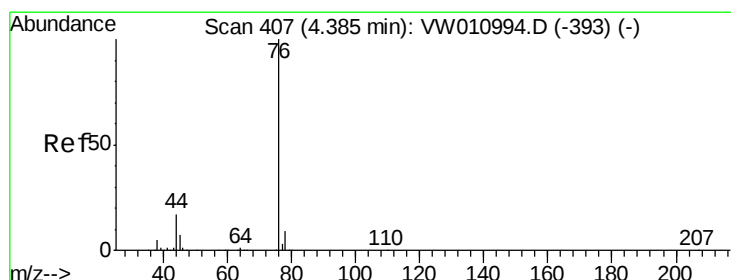
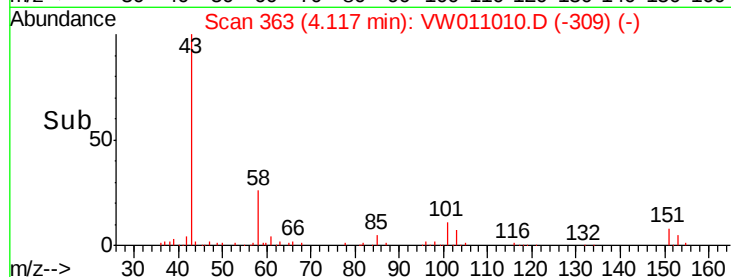
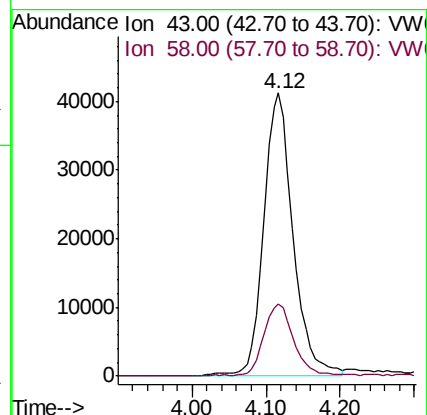
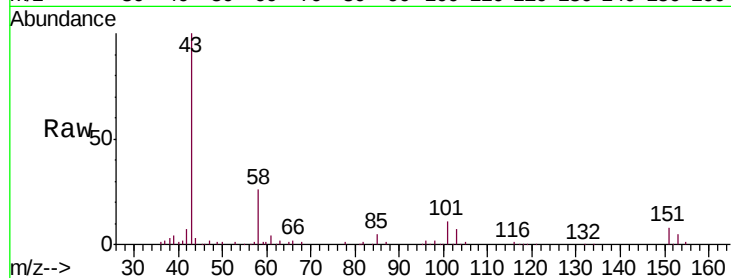
VSTD02510

Tgt Ion: 43 Resp: 113995

Ion Ratio Lower Upper

43 100

58 25.3 0.0 53.2



#14

Carbon disulfide

Concen: 22.231 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

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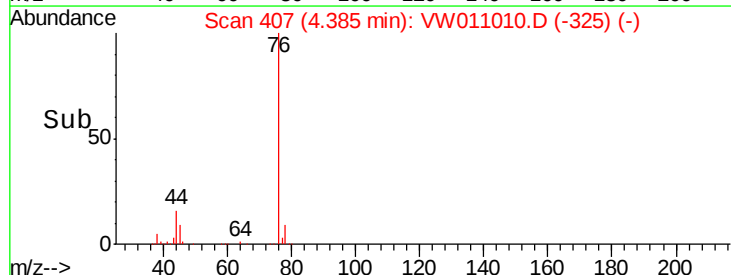
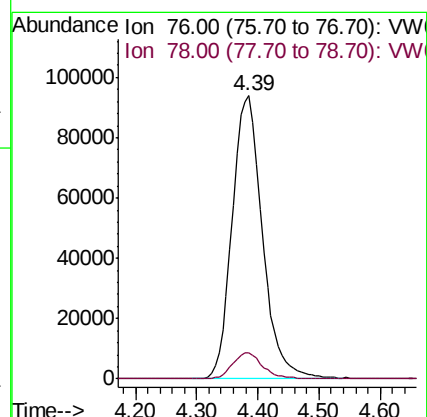
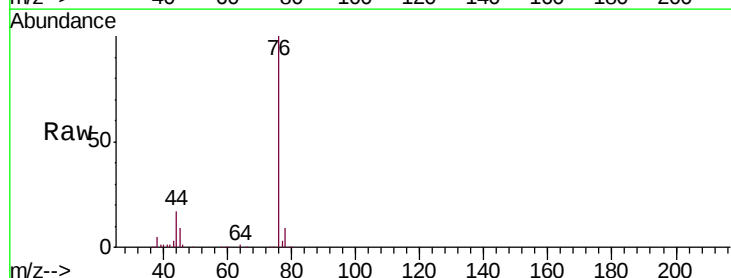
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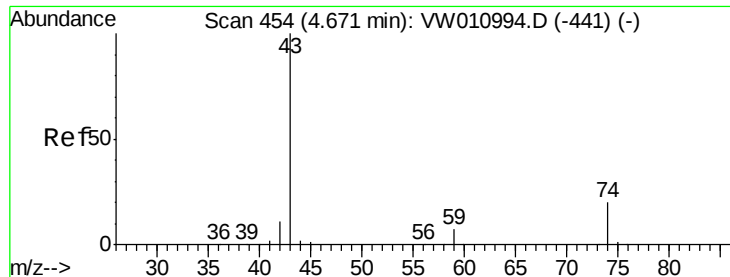
Tgt Ion: 76 Resp: 321338

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 25.723 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

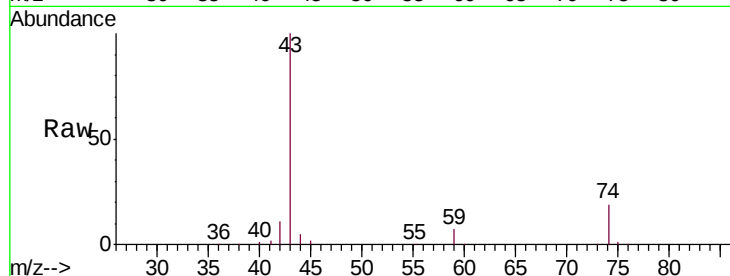
VSTD02510

Tgt Ion: 43 Resp: 90528

Ion Ratio Lower Upper

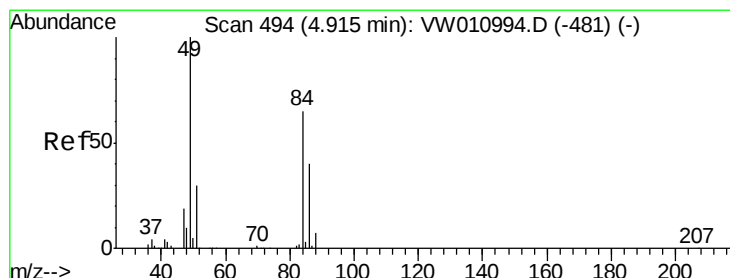
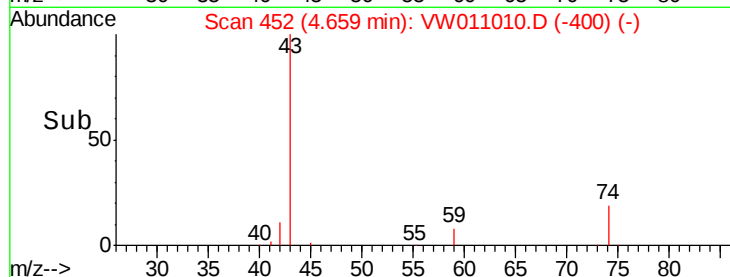
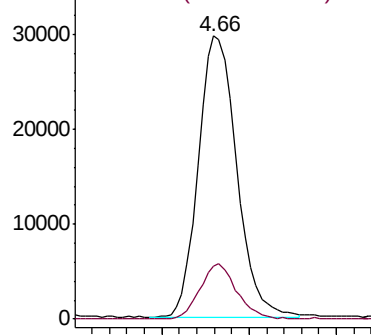
43 100

74 18.7 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 24.485 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

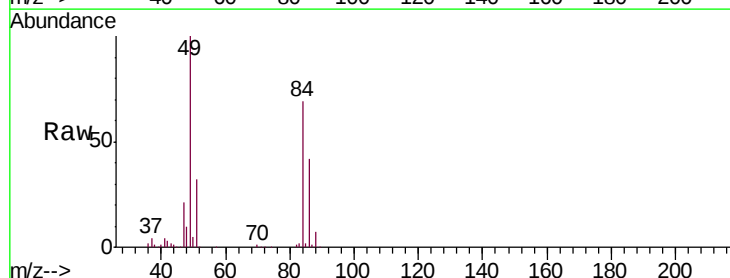
Tgt Ion: 84 Resp: 126480

Ion Ratio Lower Upper

84 100

49 145.1 107.0 198.8

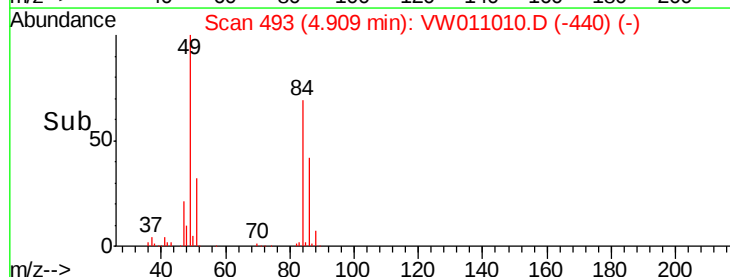
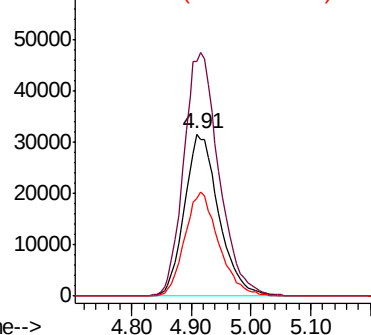
86 60.2 44.4 82.5

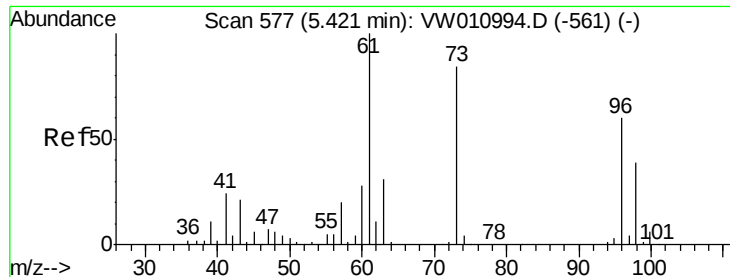


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

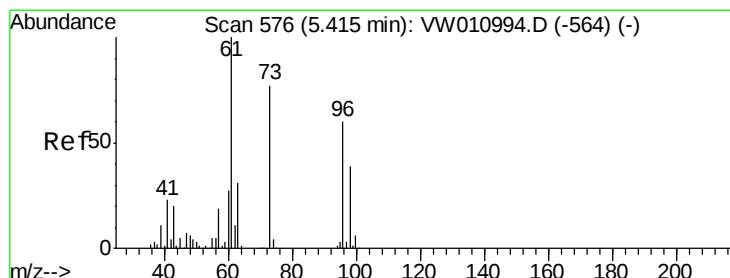
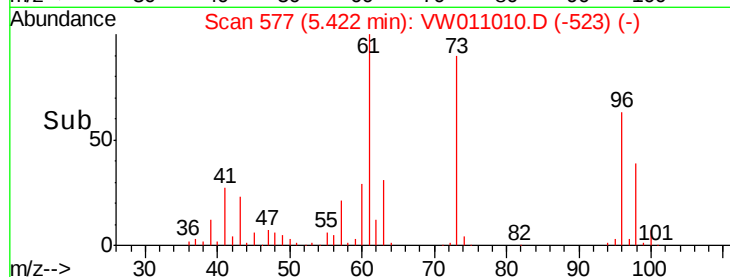
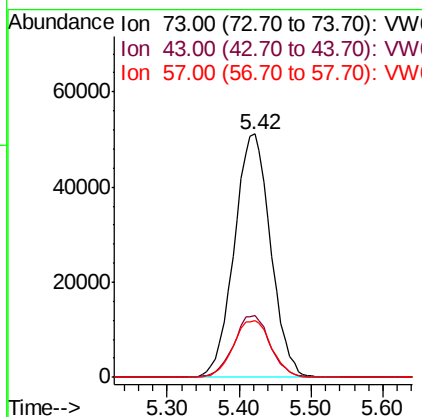
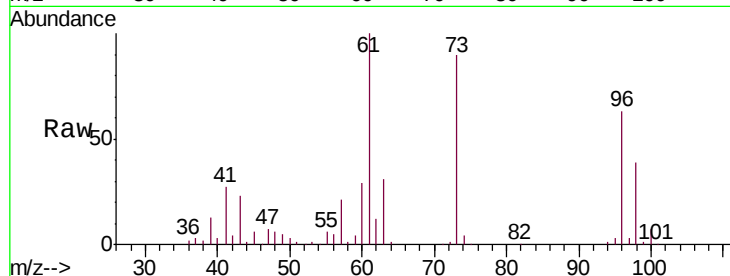




#17
Methyl tert-butyl Ether
Concen: 23.425 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011010.D
Acq: 26 Jun 2019 17:47

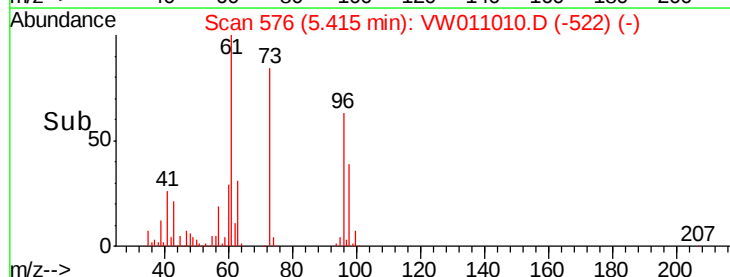
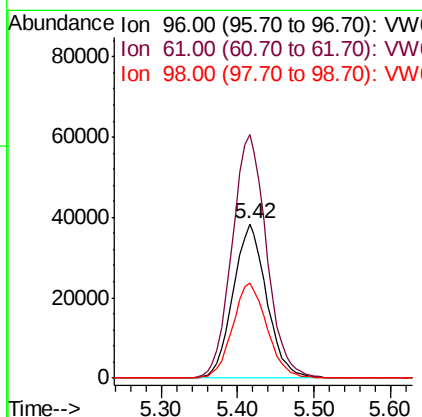
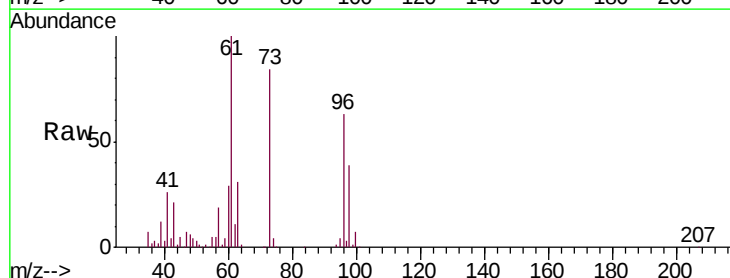
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

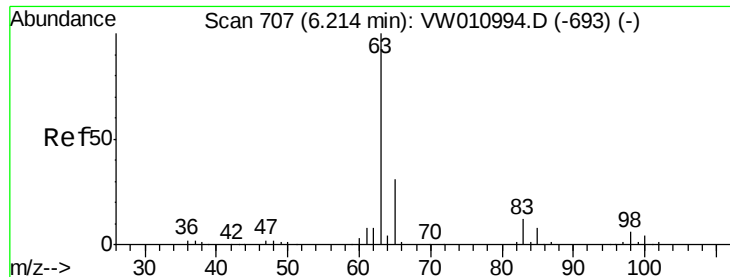
Tgt Ion: 73 Resp: 179058
Ion Ratio Lower Upper
73 100
43 25.1 20.2 30.2
57 24.4 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 23.836 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW011010.D
Acq: 26 Jun 2019 17:47

Tgt Ion: 96 Resp: 117019
Ion Ratio Lower Upper
96 100
61 157.8 113.3 210.3
98 61.9 44.1 81.9





#19

1,1-Dichloroethane

Concen: 24.009 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampled :

VSTD02510

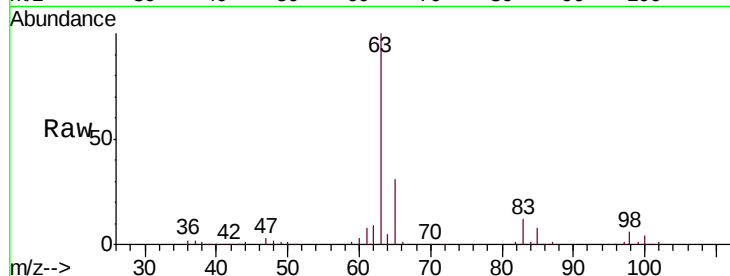
Tgt Ion: 63 Resp: 240741

Ion Ratio Lower Upper

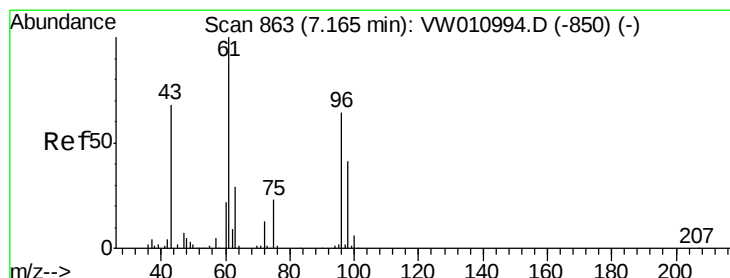
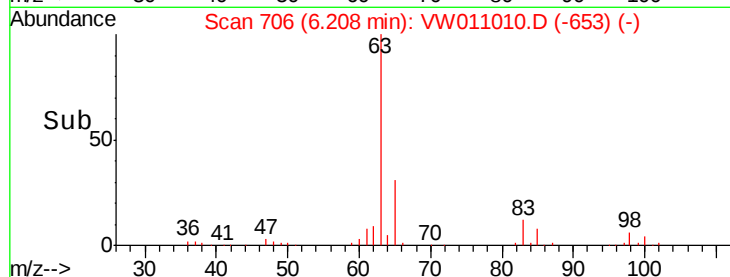
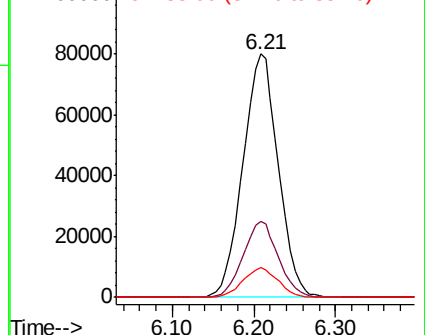
63 100

65 31.1 21.3 39.6

83 12.1 8.5 15.9



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



#21

2-Butanone

Concen: 53.998 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011010.D

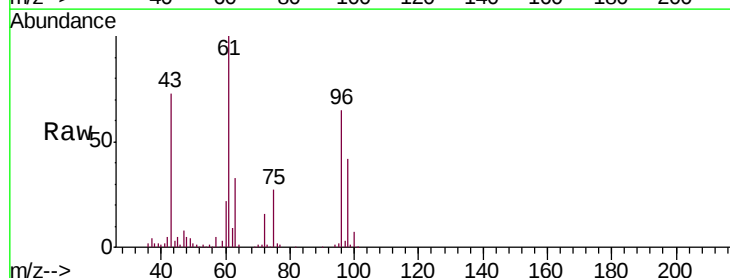
Acq: 26 Jun 2019 17:47

Tgt Ion: 43 Resp: 144379

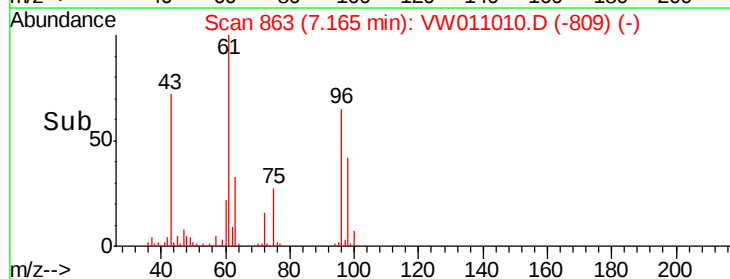
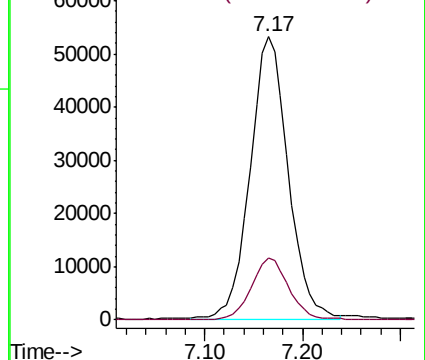
Ion Ratio Lower Upper

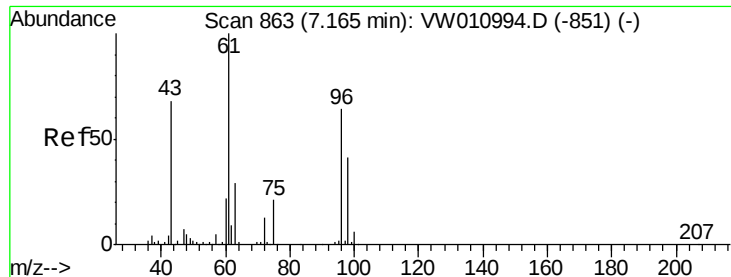
43 100

72 21.4 10.9 32.6



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



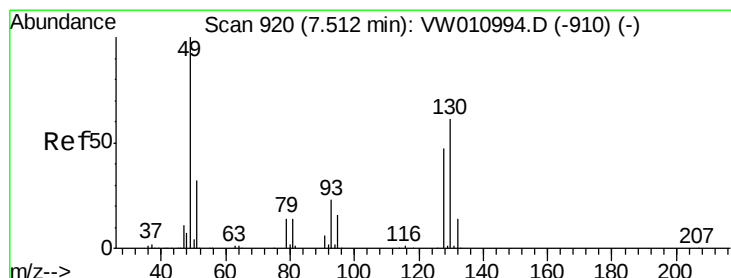
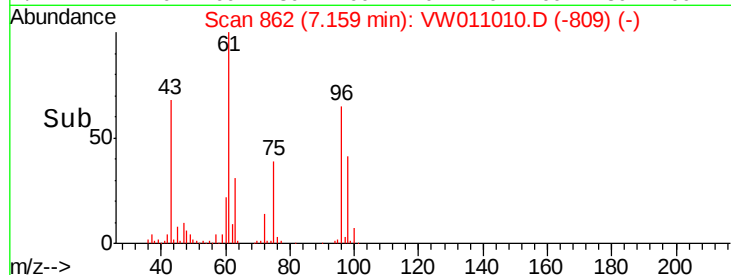
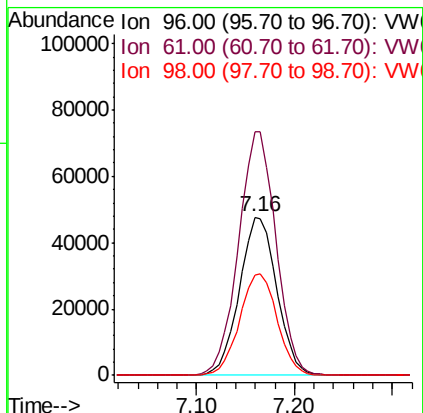
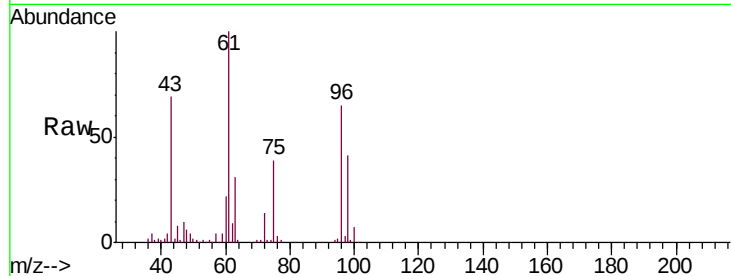


#22

cis-1,2-Dichloroethene
 Concen: 23.853 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

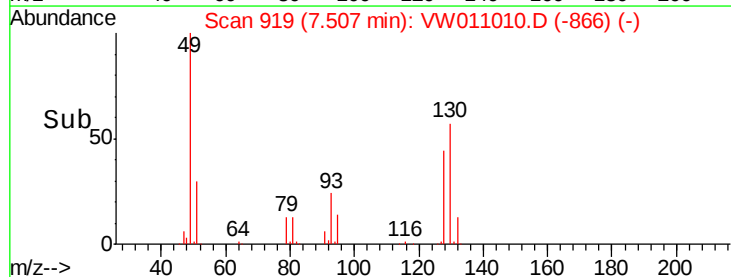
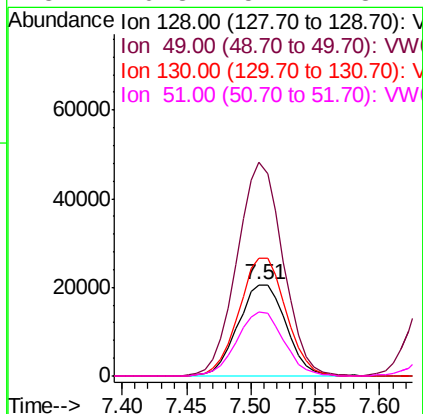
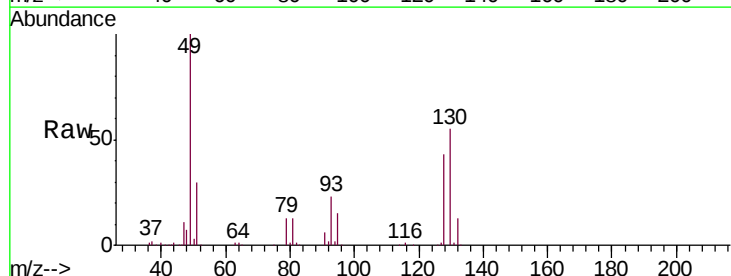
Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	106.5	197.7
98	63.6	45.5	84.5

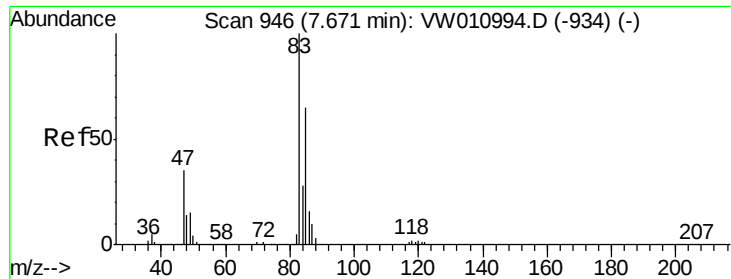


#23

Bromochloromethane
 Concen: 23.713 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

Tgt Ion	Ratio	Lower	Upper
128	100		
49	233.9	157.7	292.9
130	128.7	91.6	170.0
51	70.3	54.2	81.2





#25

Chloroform

Concen: 24.237 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

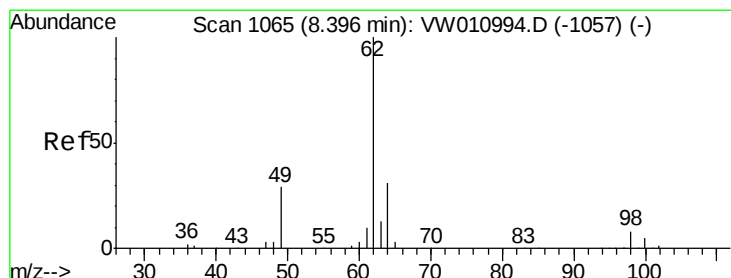
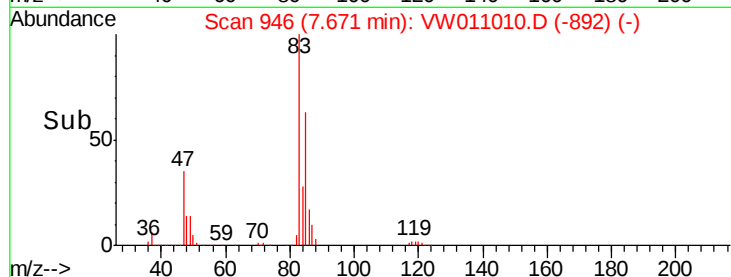
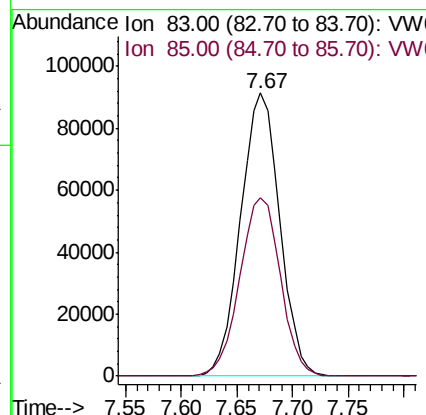
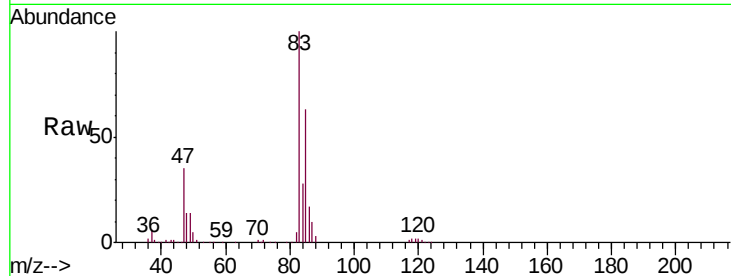
VSTD02510

Tgt Ion: 83 Resp: 222970

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.8



#27

1,2-Dichloroethane

Concen: 23.982 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011010.D

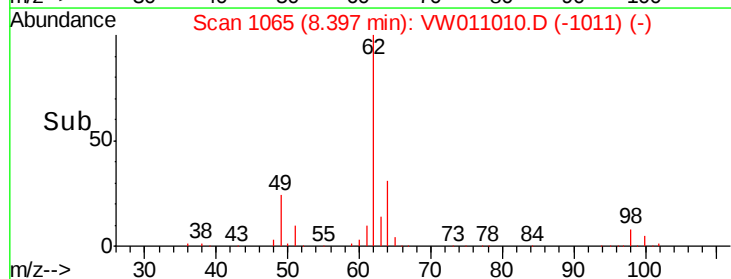
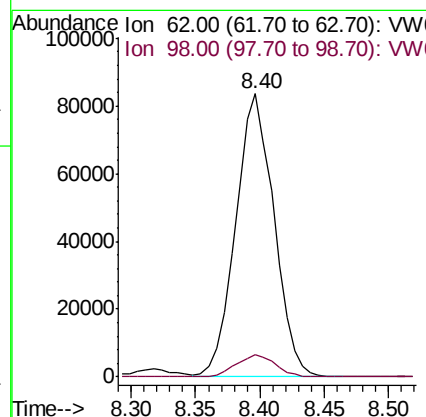
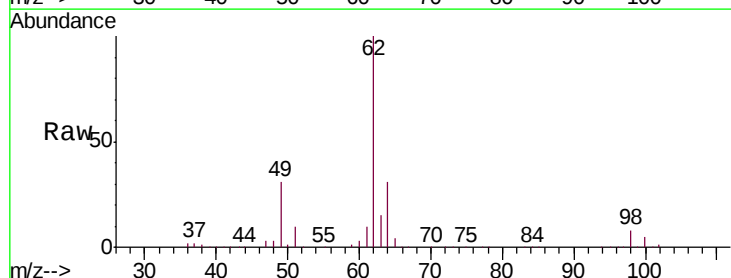
Acq: 26 Jun 2019 17:47

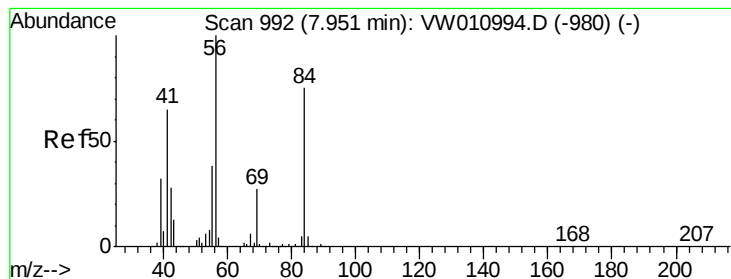
Tgt Ion: 62 Resp: 172885

Ion Ratio Lower Upper

62 100

98 7.9 6.7 10.1





#30

Cyclohexane

Concen: 23.636 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

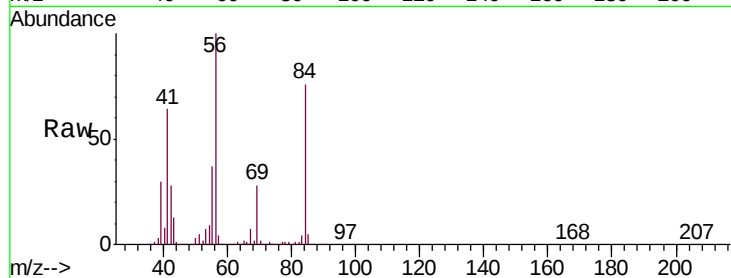
Tgt Ion: 56 Resp: 245992

Ion Ratio Lower Upper

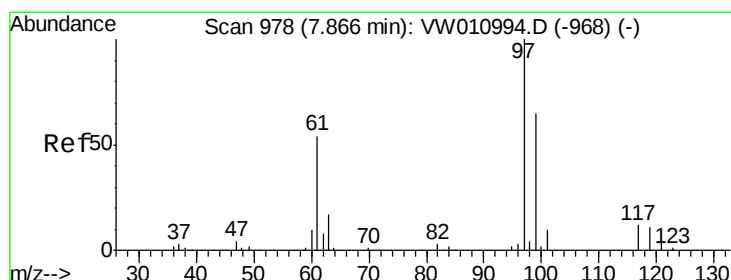
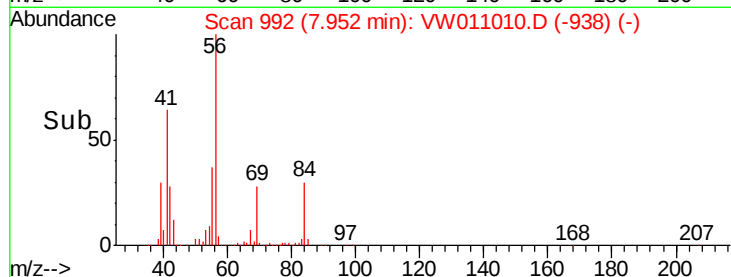
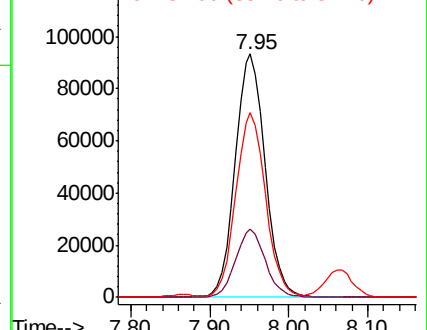
56 100

69 27.7 22.2 33.4

84 75.8 60.3 90.5



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: 23.991 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

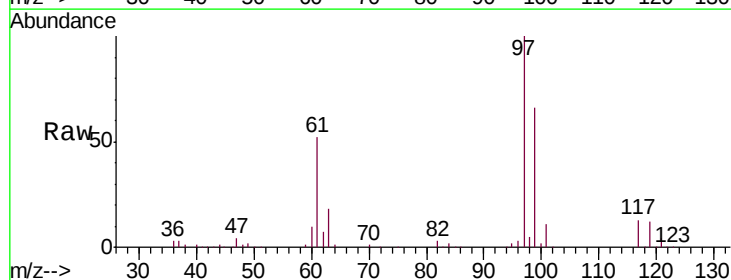
Tgt Ion: 97 Resp: 164222

Ion Ratio Lower Upper

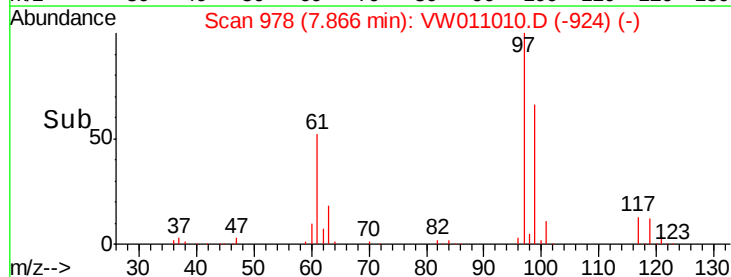
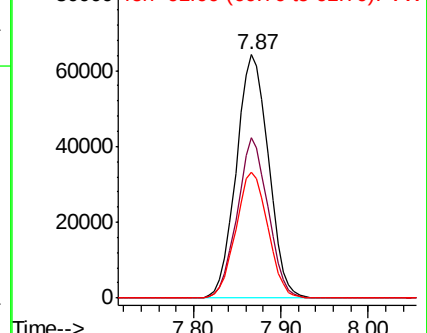
97 100

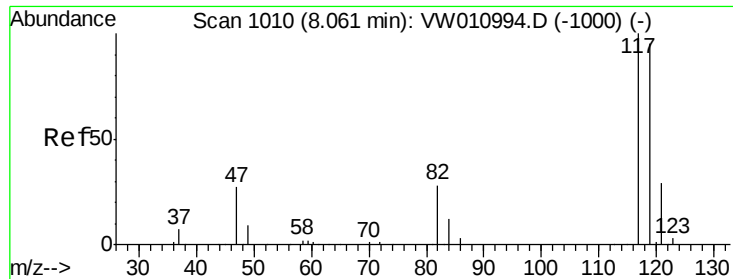
99 63.0 50.7 76.1

61 51.6 41.2 61.8



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: 23.506 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

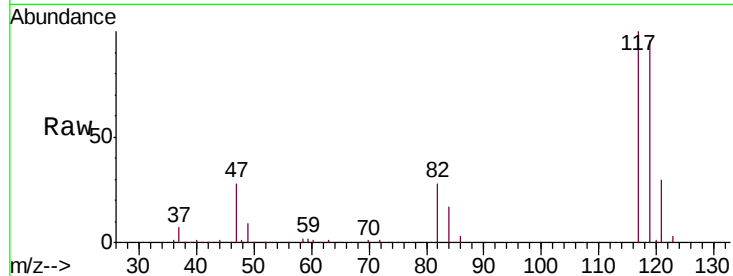
VSTD02510

Tgt Ion:117 Resp: 151979

Ion Ratio Lower Upper

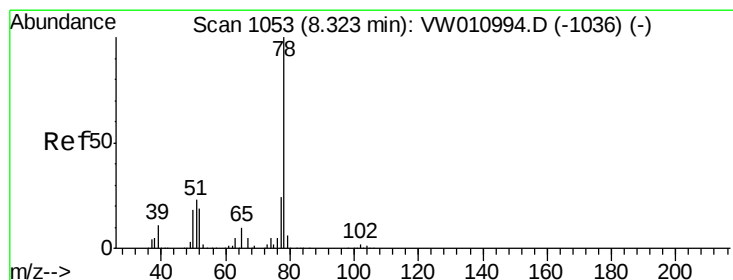
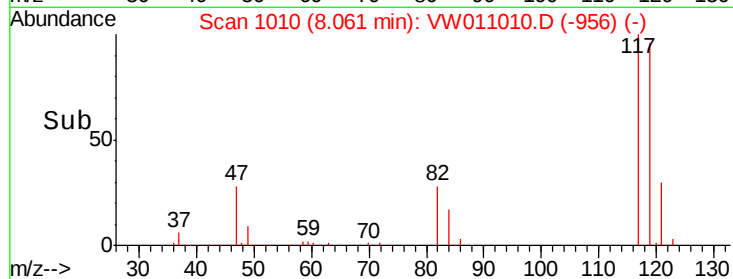
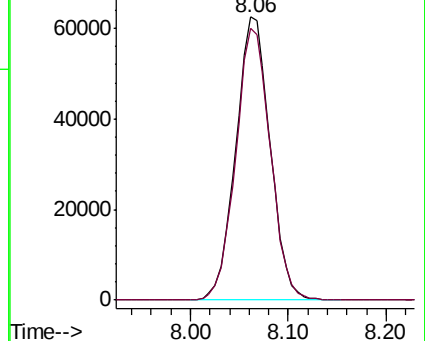
117 100

119 97.0 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.403 ug/L

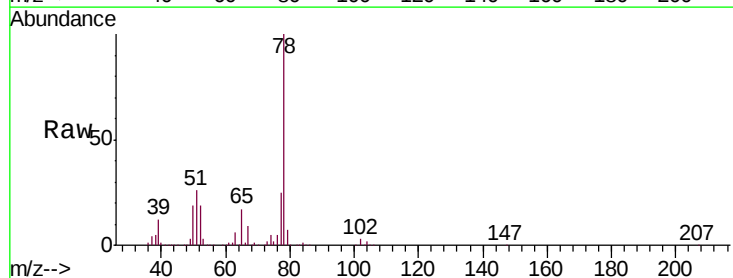
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

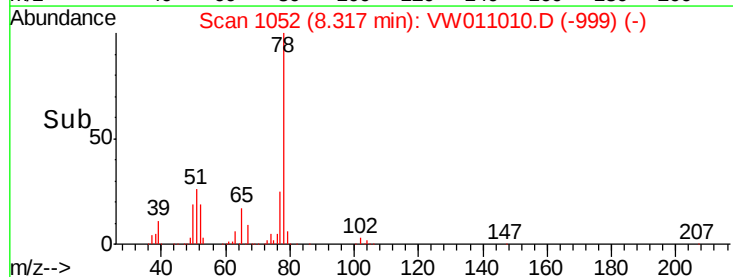
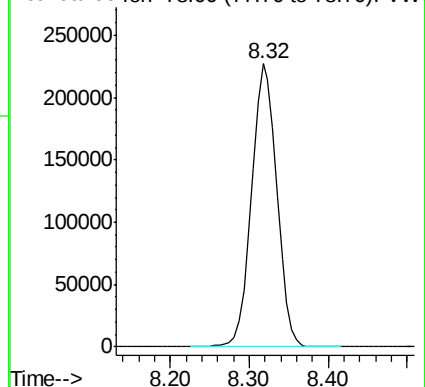
Lab File: VW011010.D

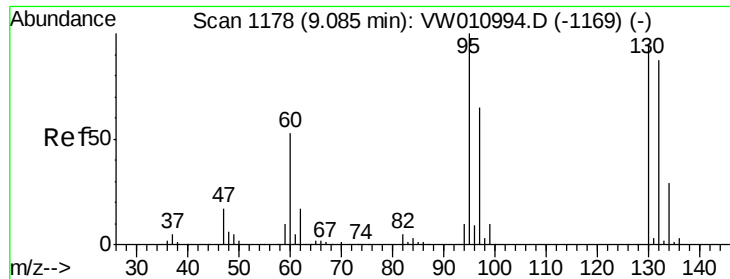
Acq: 26 Jun 2019 17:47

Tgt Ion: 78 Resp: 504709



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.805 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion: 95 Resp: 124855

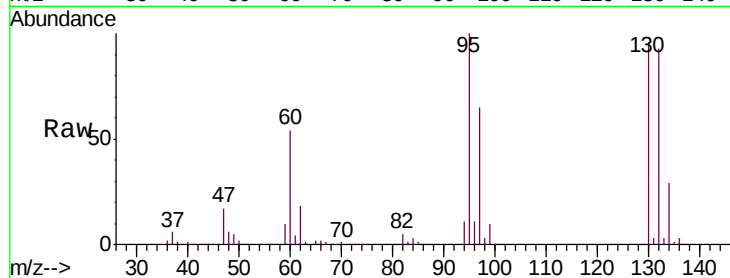
Ion Ratio Lower Upper

95 100

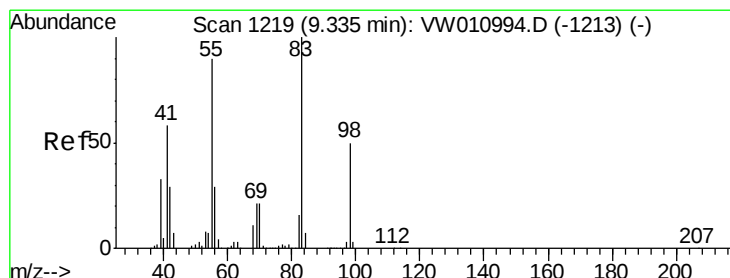
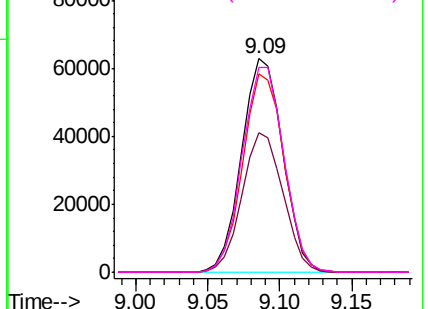
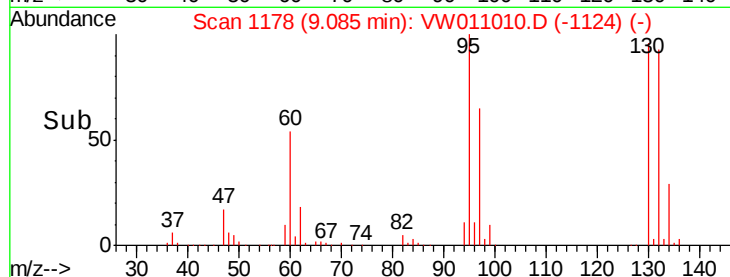
97 65.0 44.9 83.3

132 92.7 64.0 119.0

130 97.2 67.4 125.2



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: 24.317 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

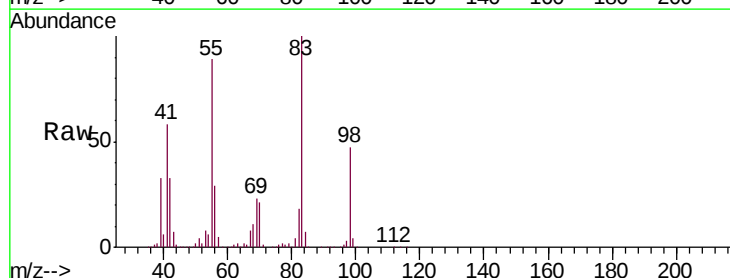
Tgt Ion: 83 Resp: 234102

Ion Ratio Lower Upper

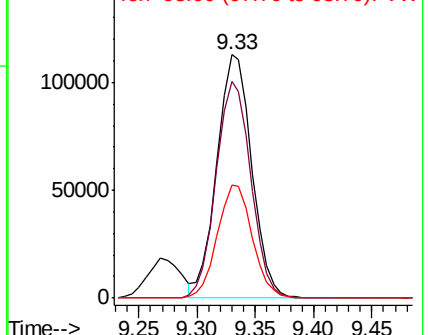
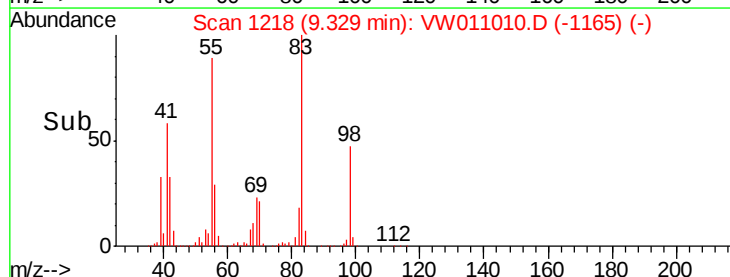
83 100

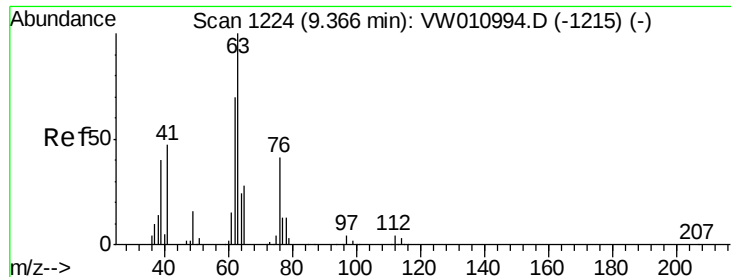
55 88.7 72.2 108.2

98 46.6 37.8 56.8



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

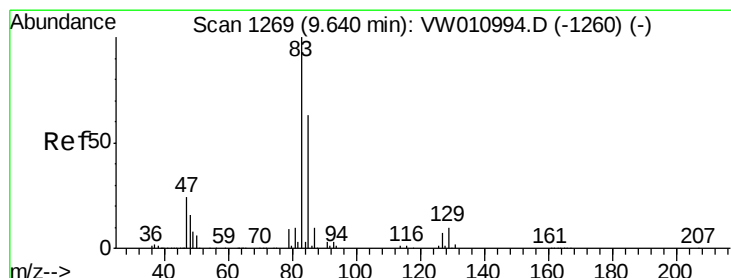
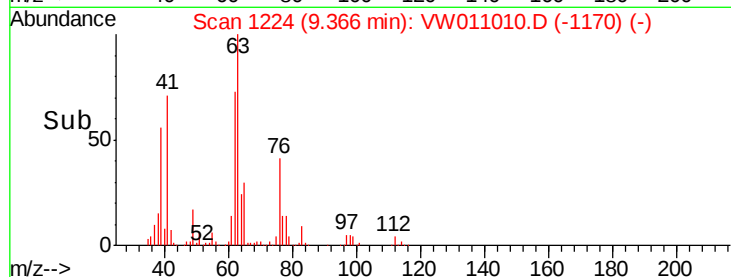
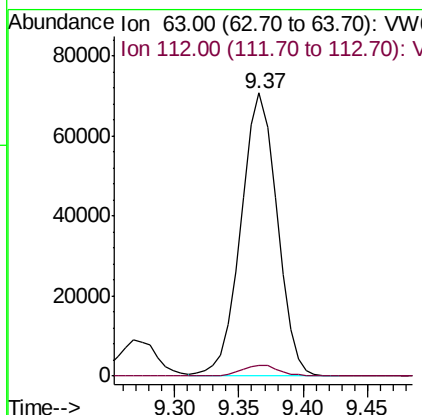
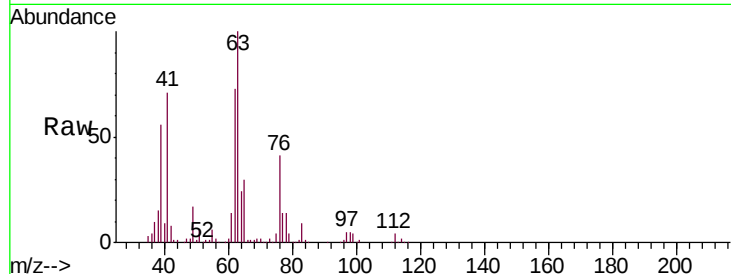




#40
 1,2-Dichloropropane
 Concen: 24.229 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

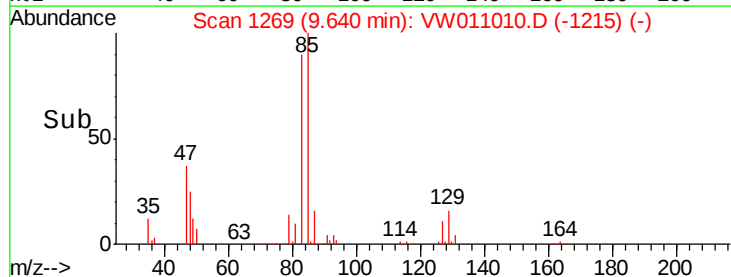
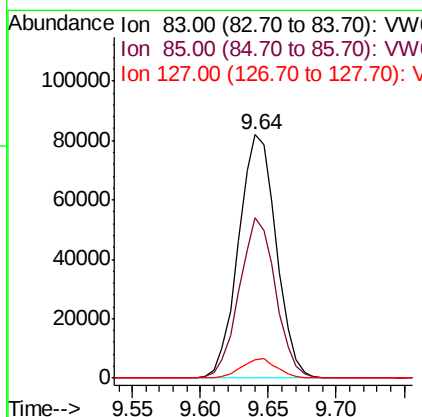
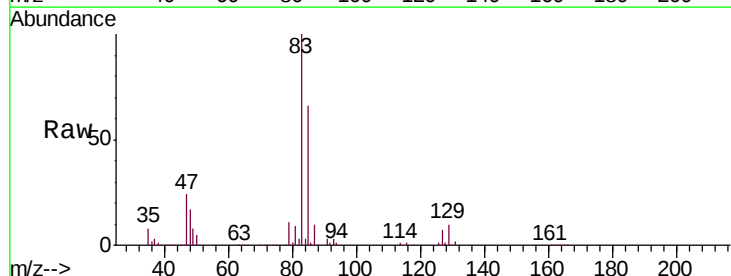
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

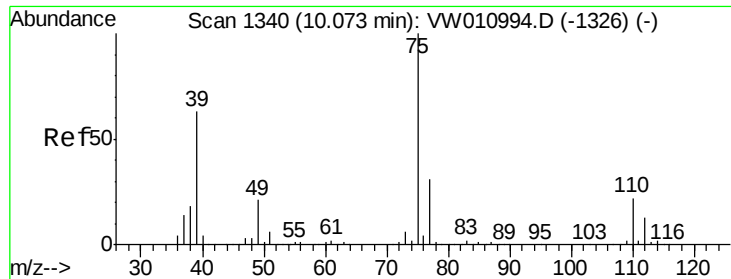
Tgt Ion: 63 Resp: 137928
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.3 4.9



#41
 Bromodichloromethane
 Concen: 23.777 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

Tgt Ion: 83 Resp: 158838
 Ion Ratio Lower Upper
 83 100
 85 66.0 43.1 80.1
 127 7.3 6.0 9.0

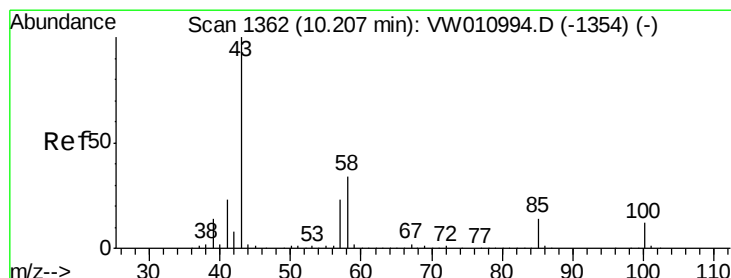
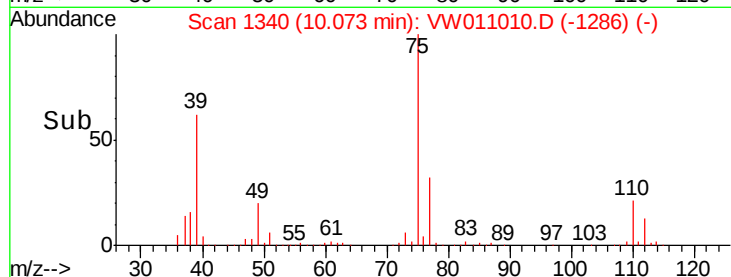
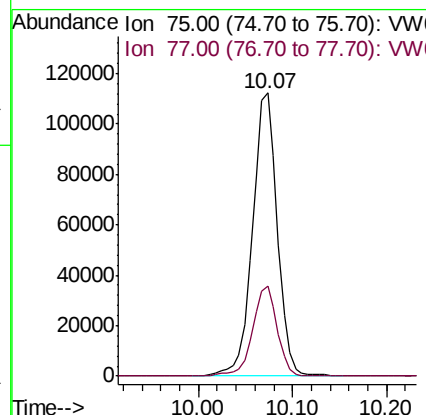
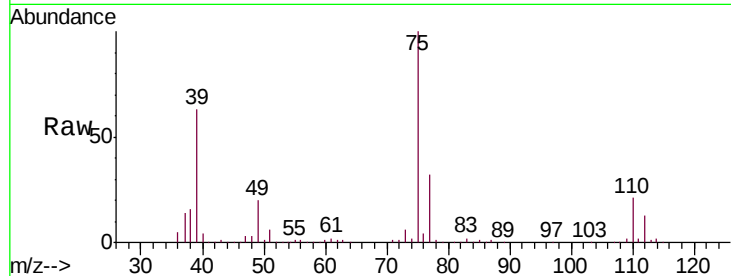




#42
 cis-1,3-Dichloropropene
 Concen: 23.688 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

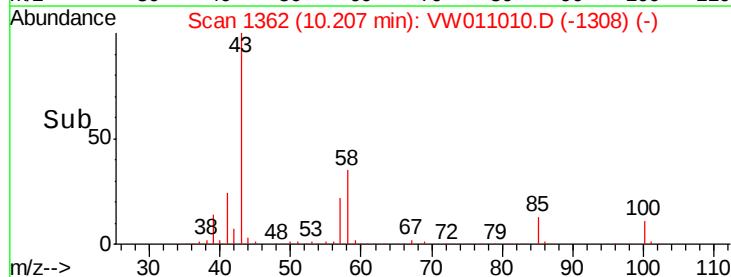
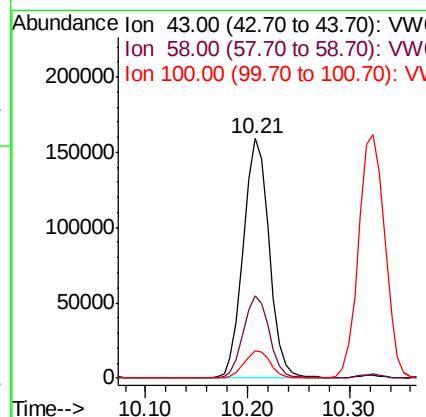
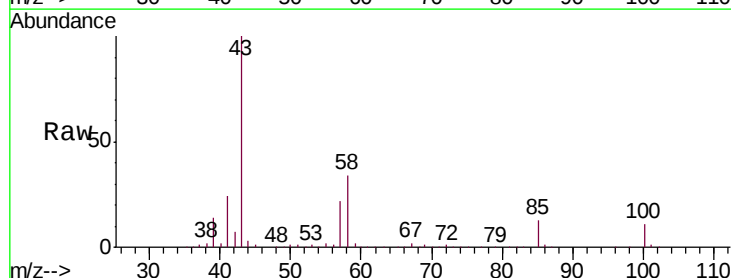
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

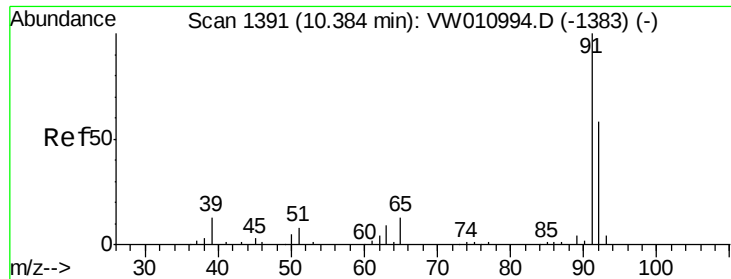
Tgt Ion: 75 Resp: 207435
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 53.082 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

Tgt Ion: 43 Resp: 280416
 Ion Ratio Lower Upper
 43 100
 58 34.4 27.5 41.3
 100 11.6 9.6 14.4





#44

Toluene

Concen: 24.415 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

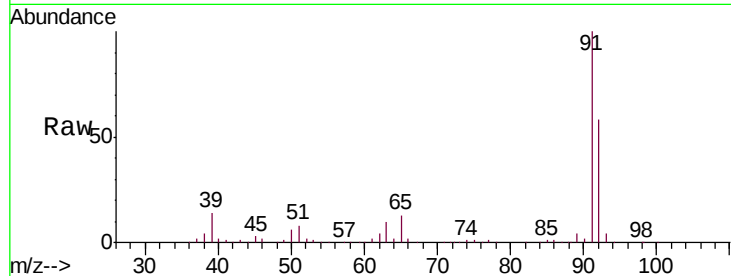
VSTD02510

Tgt Ion: 91 Resp: 528009

Ion Ratio Lower Upper

91 100

92 58.4 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

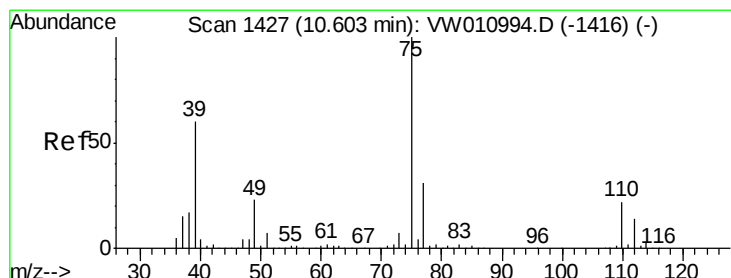
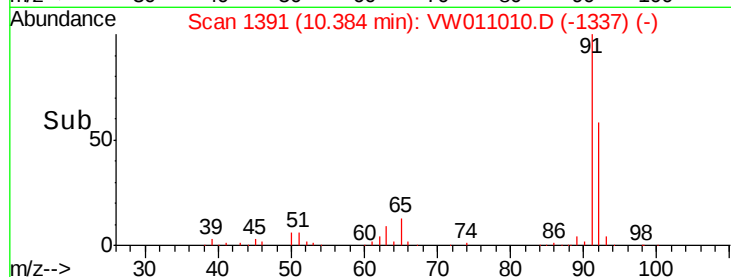
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 23.504 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011010.D

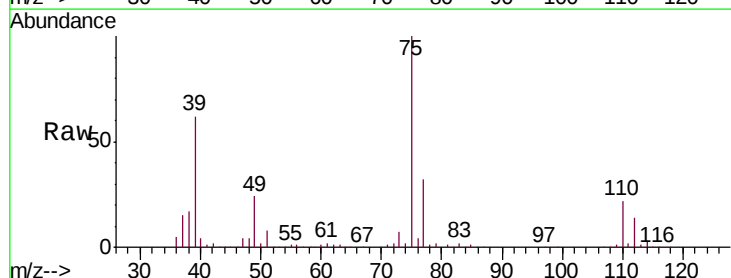
Acq: 26 Jun 2019 17:47

Tgt Ion: 75 Resp: 170141

Ion Ratio Lower Upper

75 100

77 31.7 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

100000

80000

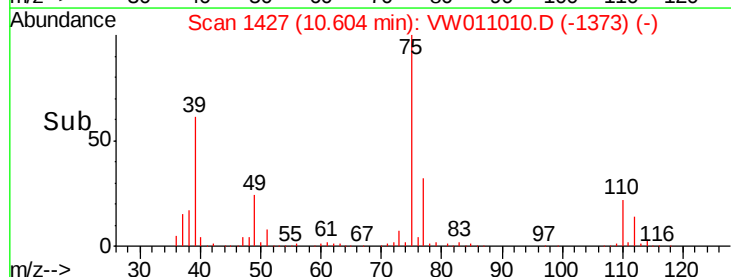
60000

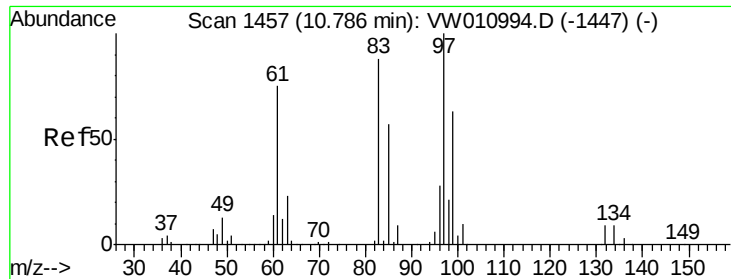
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 24.666 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion: 97 Resp: 96229

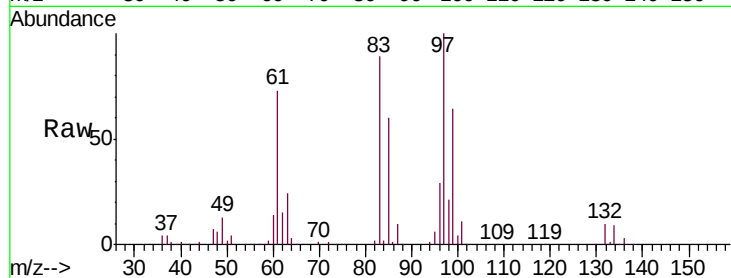
Ion Ratio Lower Upper

97 100

83 89.2 61.8 114.8

85 60.1 38.6 71.6

99 64.3 43.3 80.3



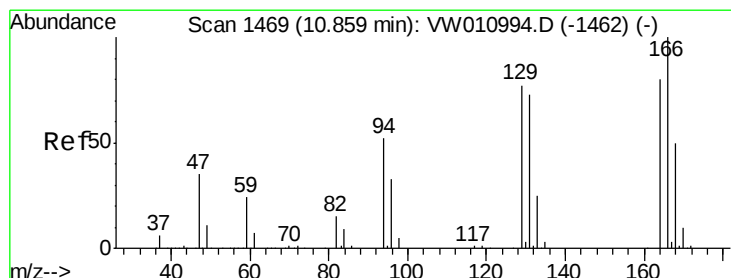
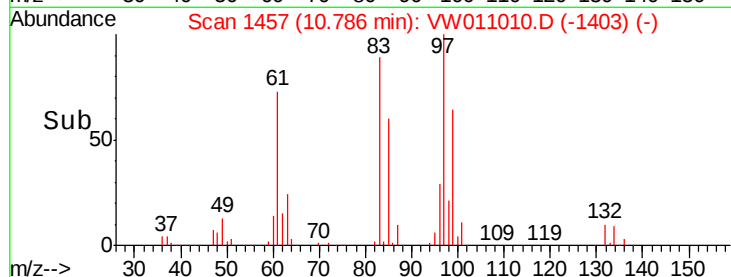
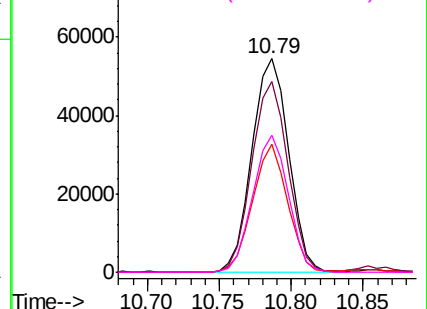
Abundance

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: 23.912 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Tgt Ion: 164 Resp: 95114

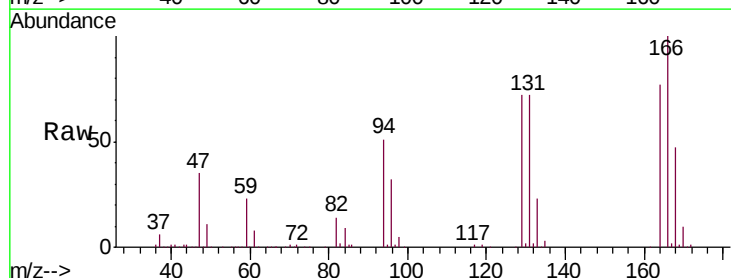
Ion Ratio Lower Upper

164 100

129 94.5 69.6 129.2

131 93.7 66.8 124.0

166 130.5 91.2 169.4



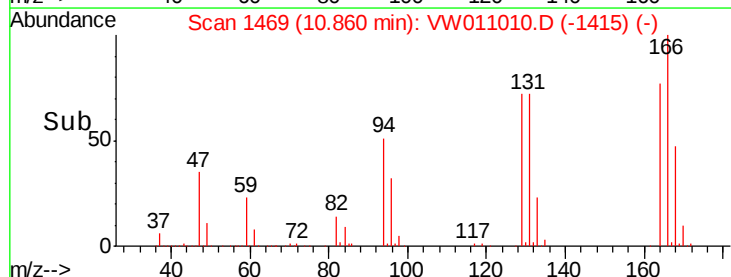
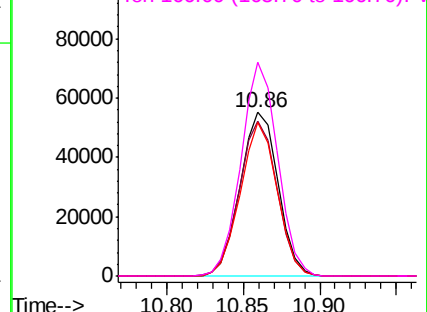
Abundance

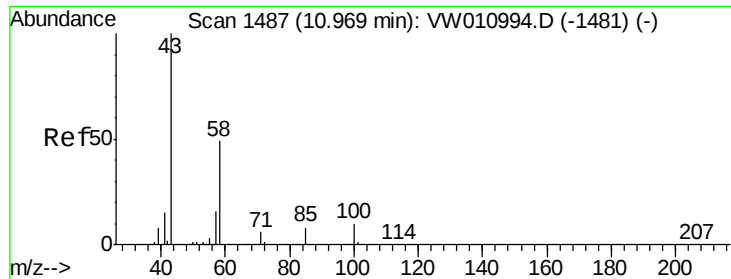
Ion 164.00 (163.70 to 164.70): V

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

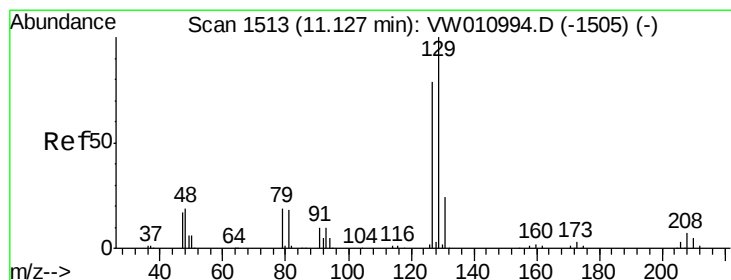
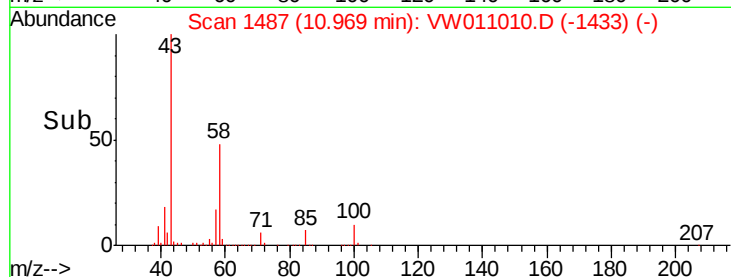
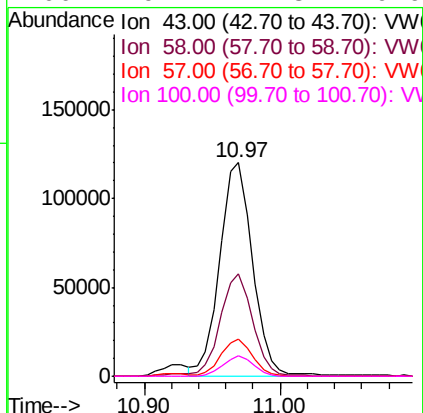
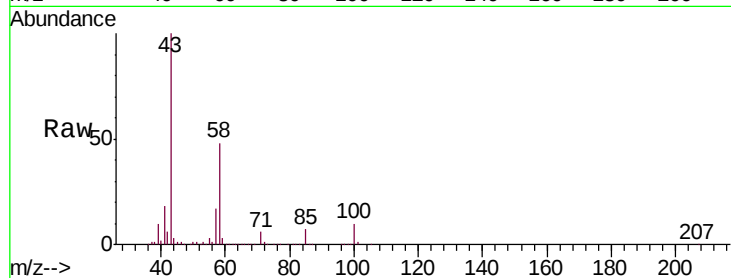




#49
2-Hexanone
Concen: 53.709 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011010.D
Acq: 26 Jun 2019 17:47

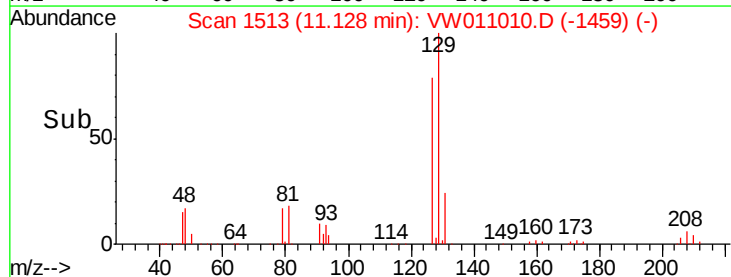
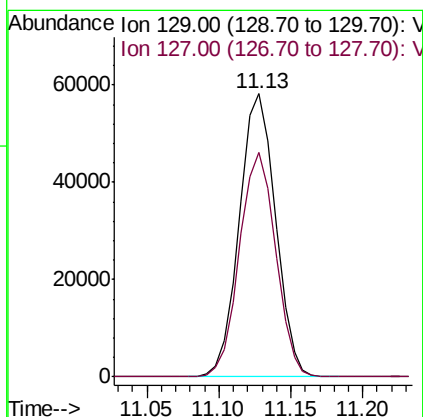
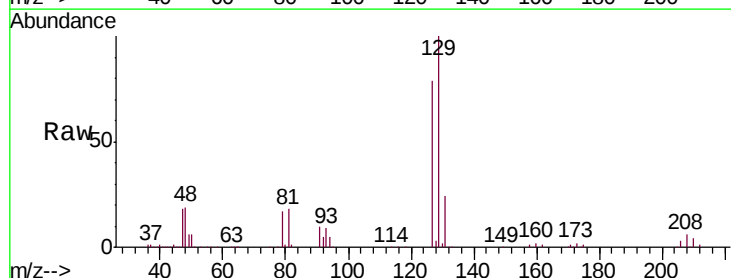
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

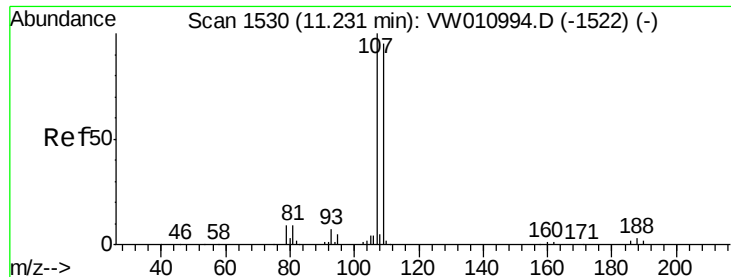
Tgt Ion:	43	Resp:	201853
Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.3	57.5
57	16.9	13.8	20.8
100	9.2	7.3	10.9



#50
Dibromochloromethane
Concen: 23.693 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011010.D
Acq: 26 Jun 2019 17:47

Tgt Ion:	129	Resp:	101778
Ion	Ratio	Lower	Upper
129	100		
127	79.3	52.8	98.2

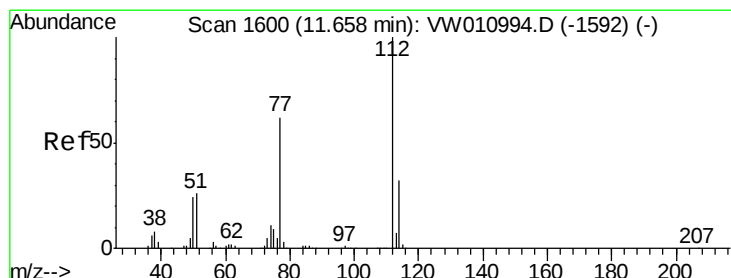
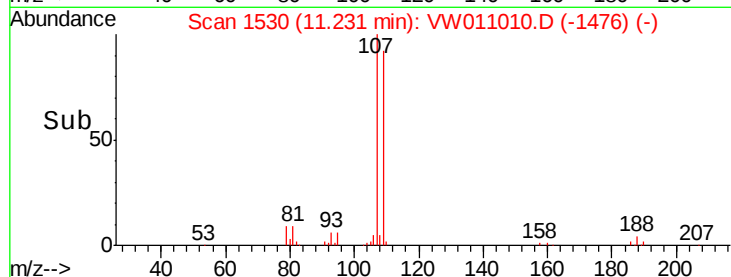
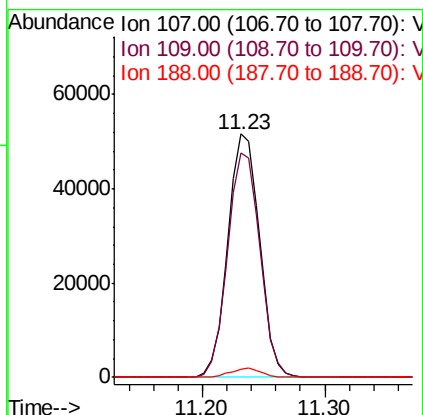
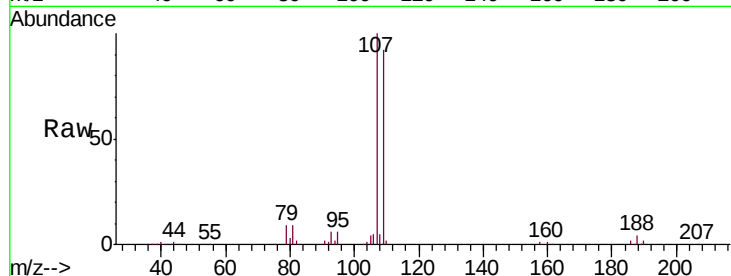




#51
 1,2-Dibromoethane
 Concen: 24.525 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

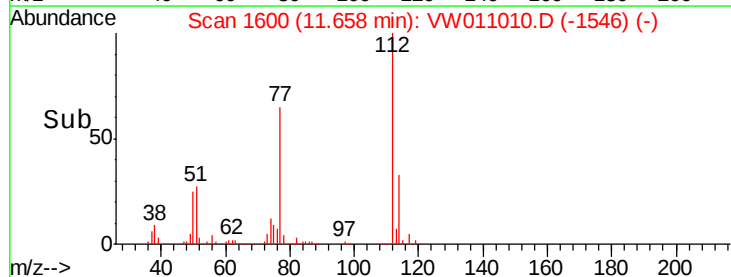
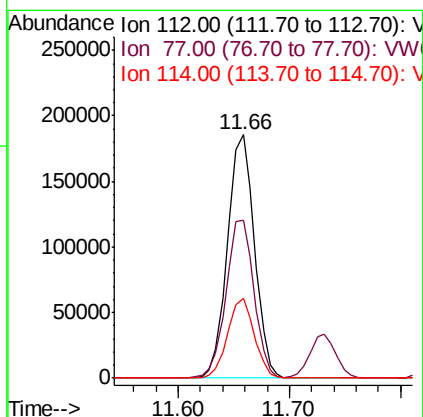
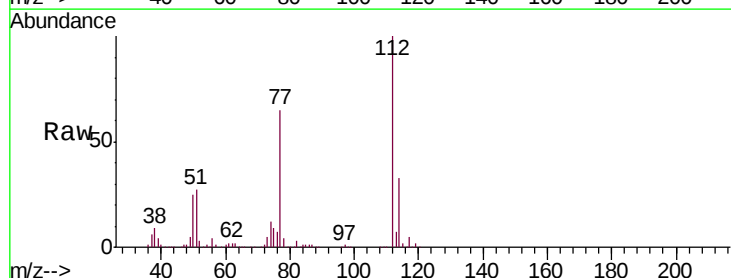
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

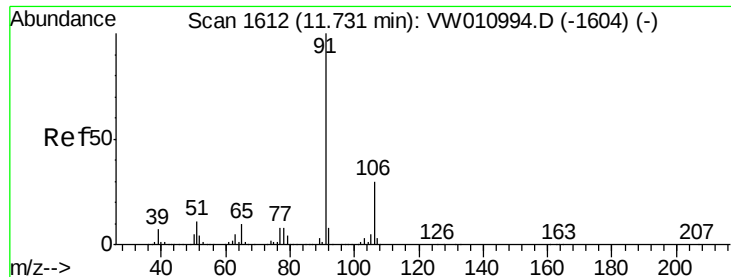
Tgt Ion:107 Resp: 92528
 Ion Ratio Lower Upper
 107 100
 109 92.4 65.5 121.7
 188 3.6 3.3 4.9



#52
 Chlorobenzene
 Concen: 23.955 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

Tgt Ion:112 Resp: 311742
 Ion Ratio Lower Upper
 112 100
 77 64.7 51.1 76.7
 114 32.7 22.7 42.1





#53

Ethylbenzene

Concen: 24.246 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

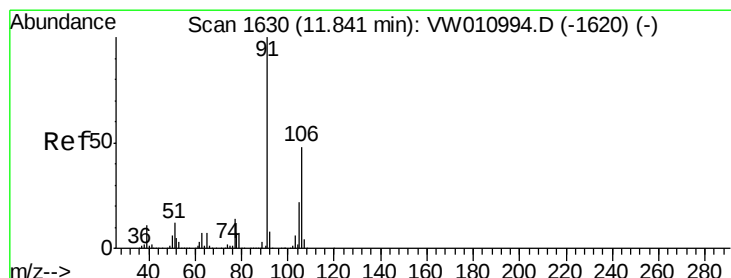
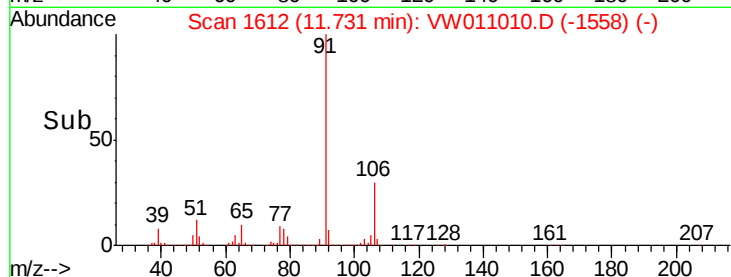
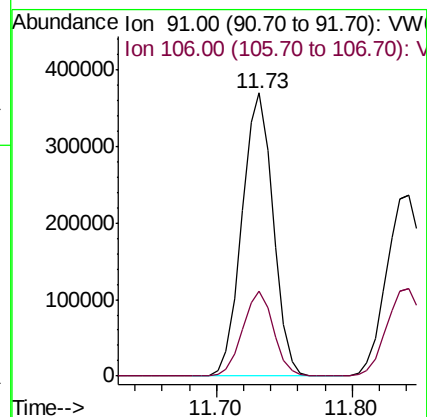
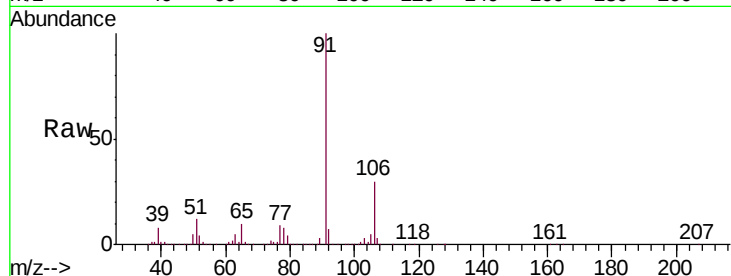
VSTD02510

Tgt Ion: 91 Resp: 590760

Ion Ratio Lower Upper

91 100

106 29.9 20.9 38.7



#54

m,p-Xylene

Concen: 24.399 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011010.D

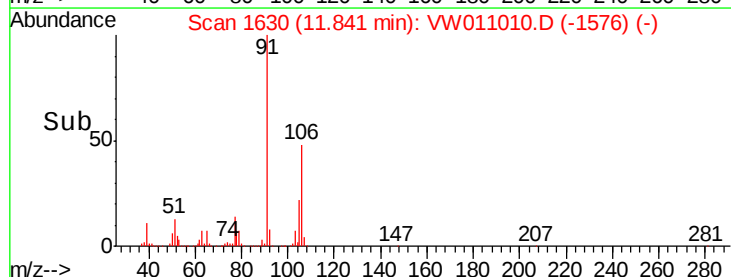
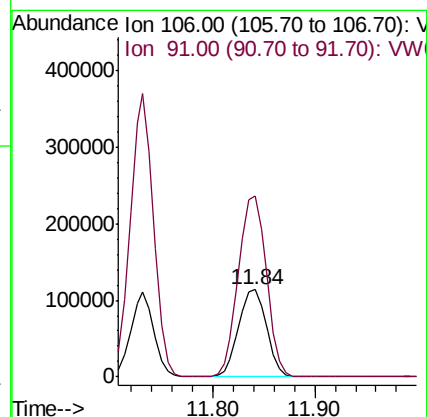
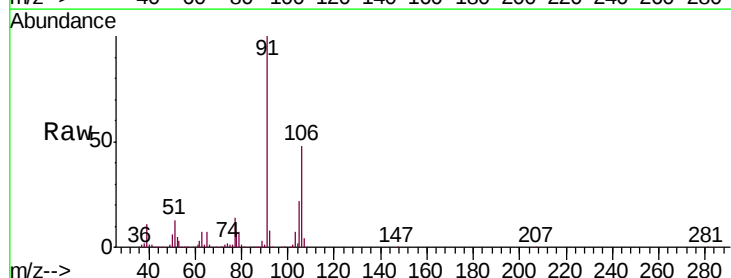
Acq: 26 Jun 2019 17:47

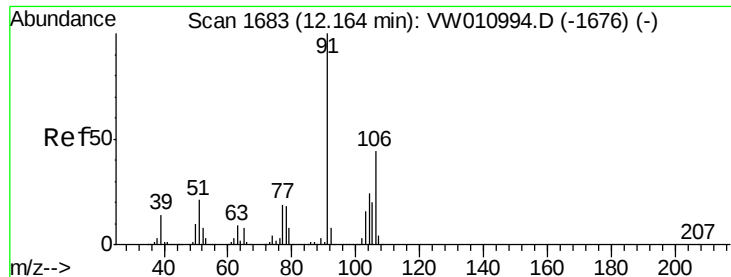
Tgt Ion: 106 Resp: 215719

Ion Ratio Lower Upper

106 100

91 208.4 146.5 272.1





#55

o-xylene

Concen: 24.211 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

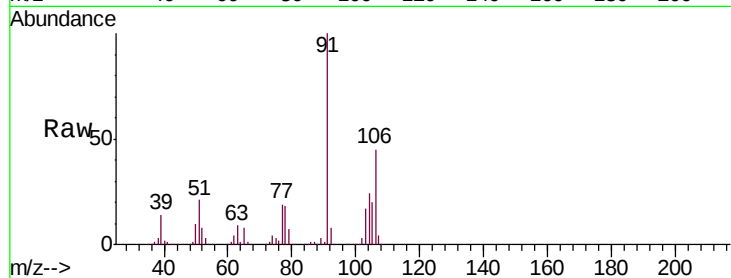
VSTD02510

Tgt Ion:106 Resp: 205406

Ion Ratio Lower Upper

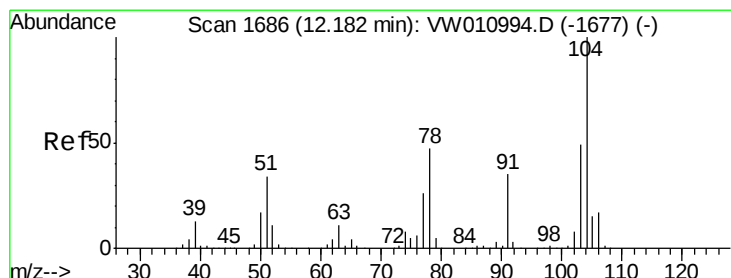
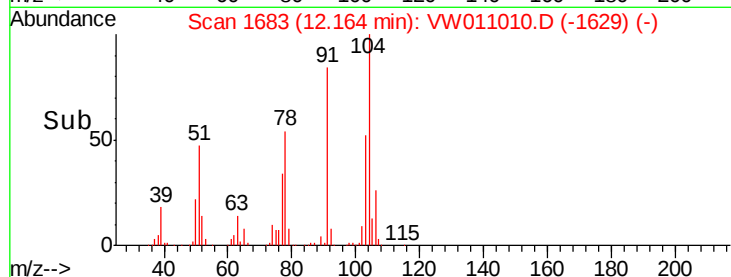
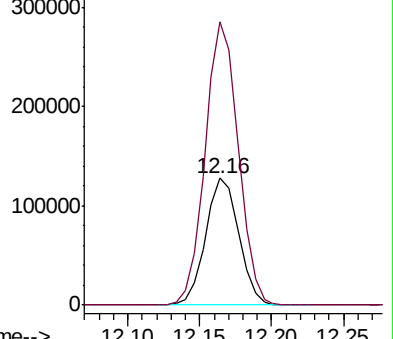
106 100

91 223.2 156.1 289.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.170 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW011010.D

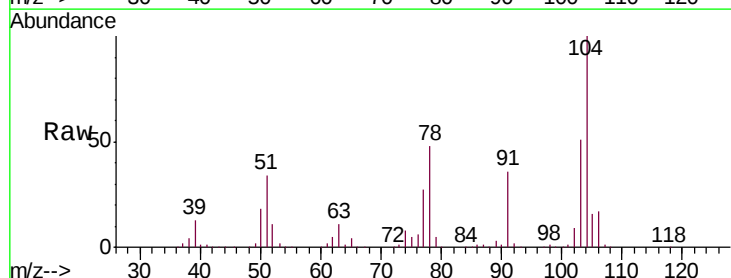
Acq: 26 Jun 2019 17:47

Tgt Ion:104 Resp: 353610

Ion Ratio Lower Upper

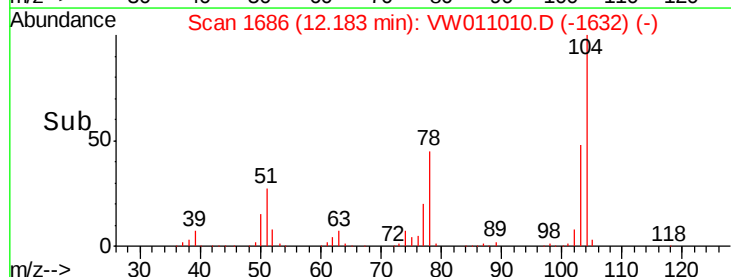
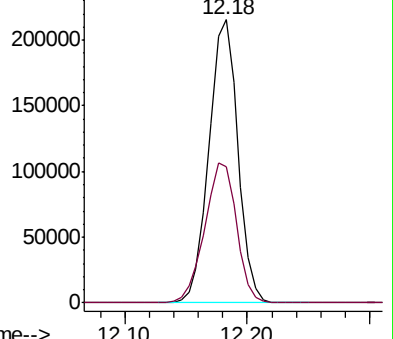
104 100

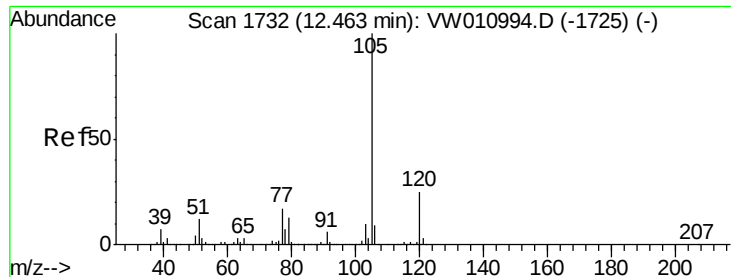
78 47.9 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.398 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

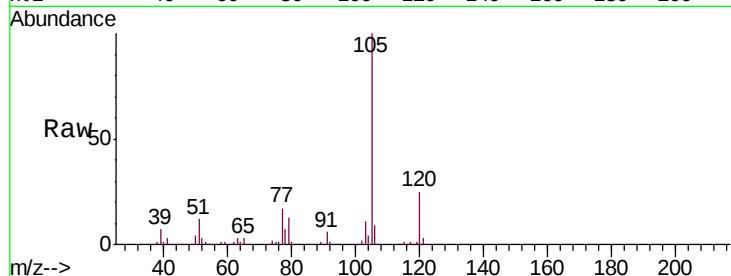
Tgt Ion: 105 Resp: 561579

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

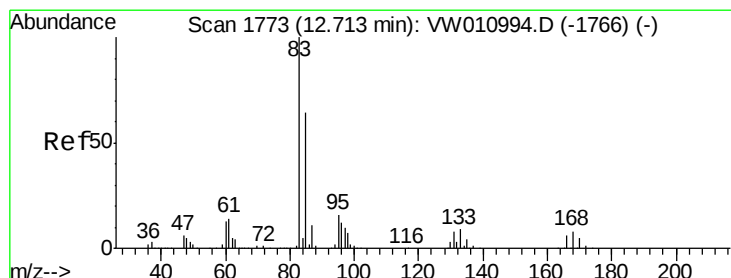
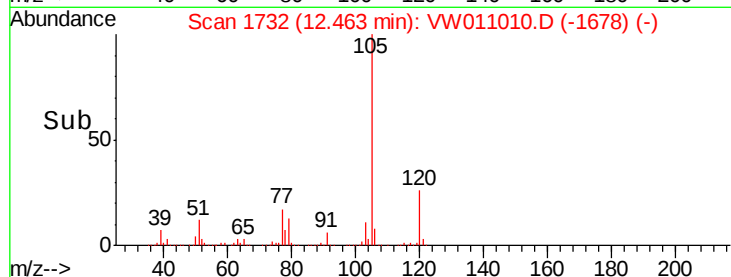
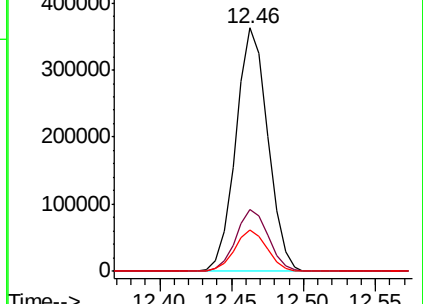
77 17.2 13.7 20.5



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: 25.482 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

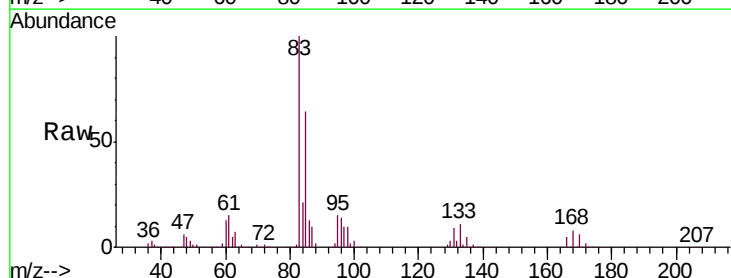
Tgt Ion: 83 Resp: 129988

Ion Ratio Lower Upper

83 100

85 63.7 44.0 81.6

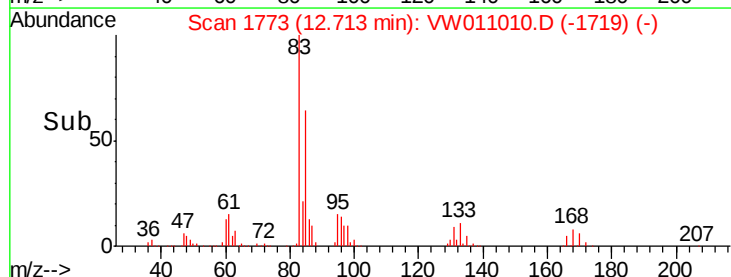
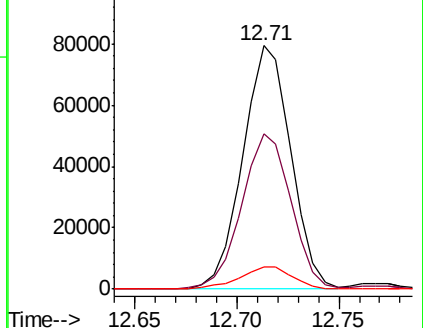
131 9.3 7.4 11.0

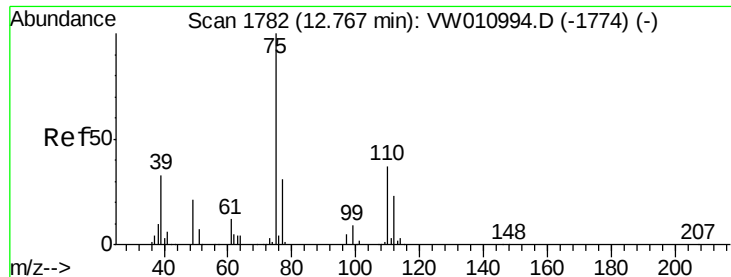


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.862 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

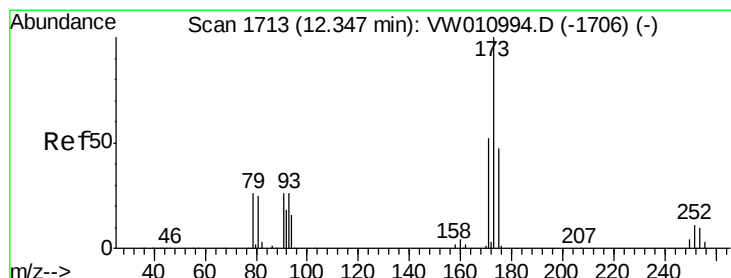
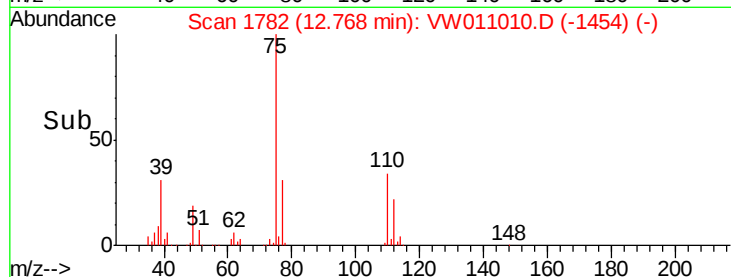
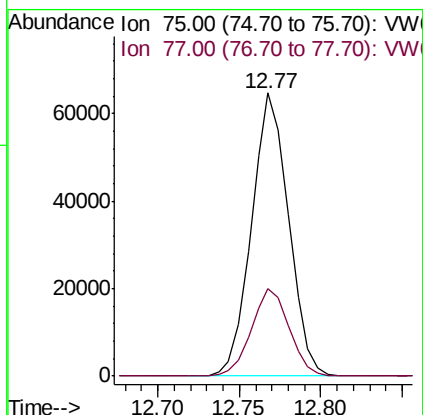
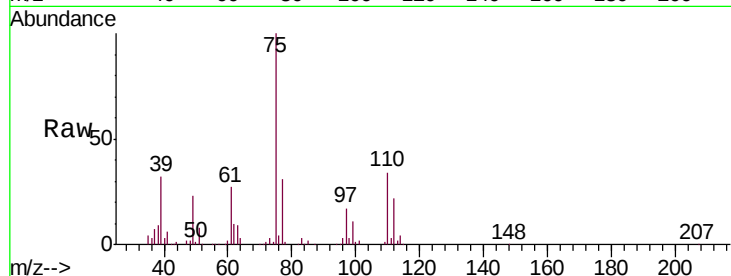
VSTD02510

Tgt Ion: 75 Resp: 102432

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



#62

Bromoform

Concen: 24.063 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

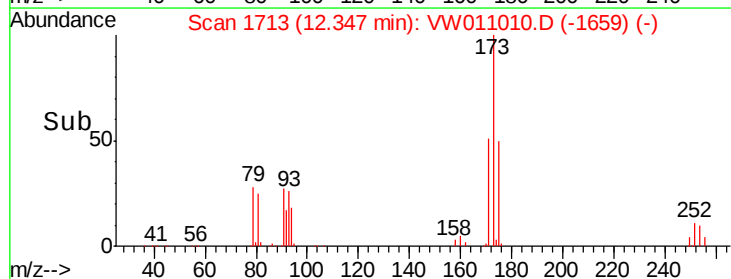
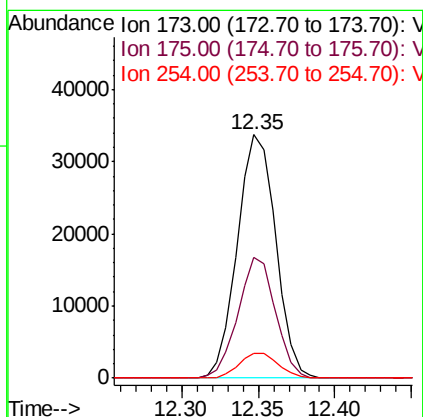
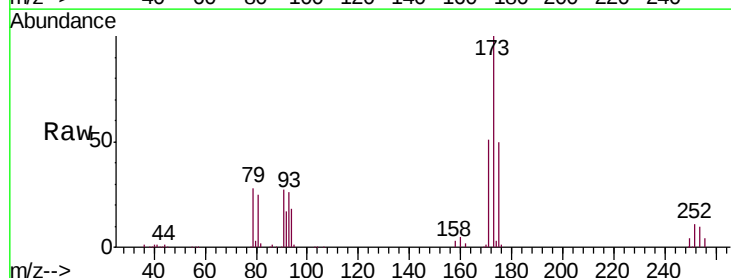
Tgt Ion: 173 Resp: 59061

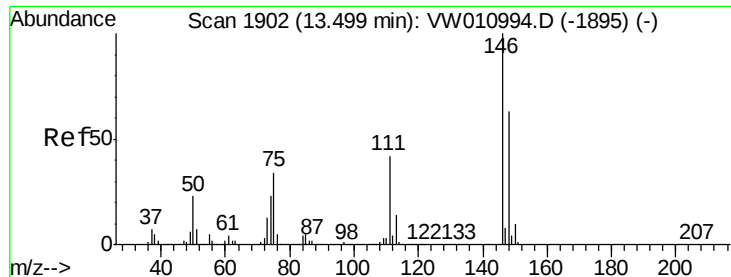
Ion Ratio Lower Upper

173 100

175 48.3 40.1 60.1

254 10.5 8.5 12.7

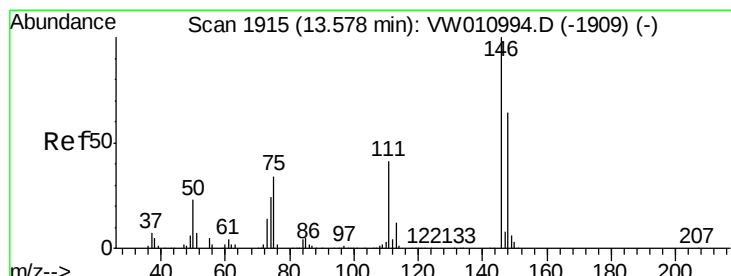
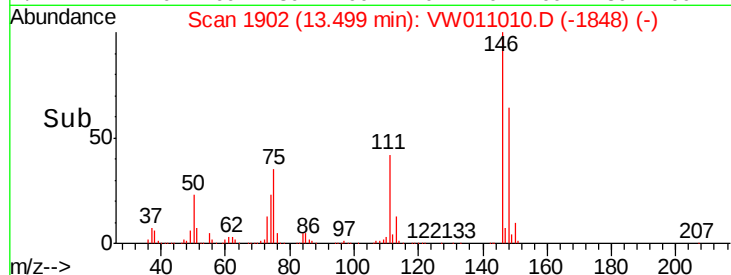
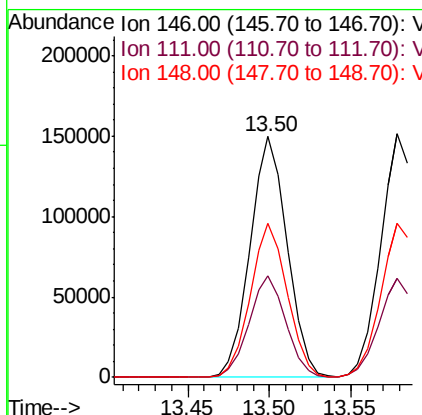
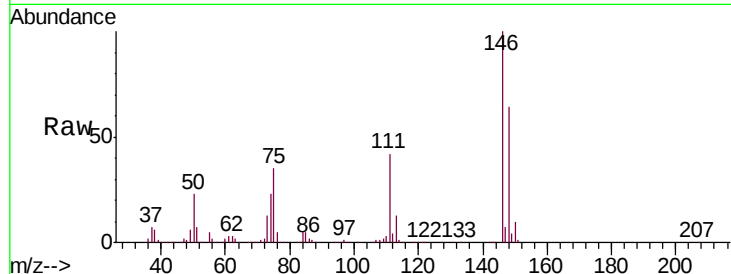




#63
 1,3-Dichlorobenzene
 Concen: 23.667 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

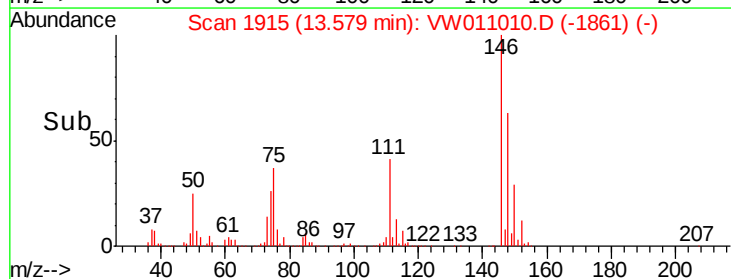
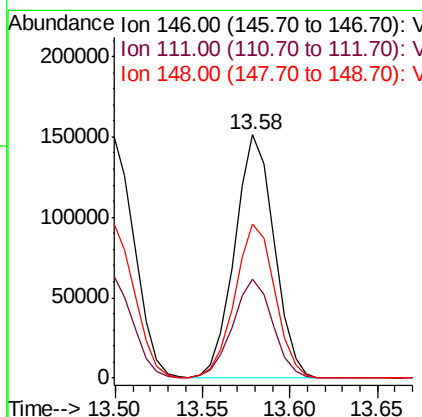
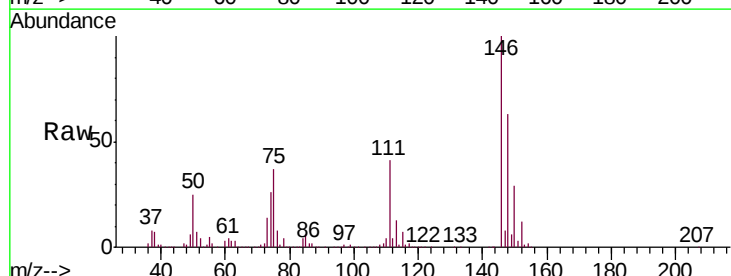
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

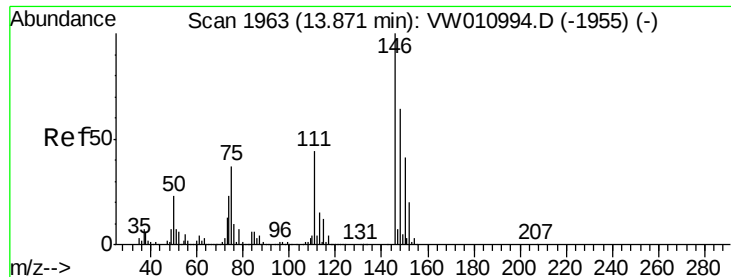
Tgt Ion:146 Resp: 236274
 Ion Ratio Lower Upper
 146 100
 111 42.1 28.9 53.7
 148 63.9 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 23.709 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

Tgt Ion:146 Resp: 237761
 Ion Ratio Lower Upper
 146 100
 111 40.9 27.9 51.9
 148 63.4 46.0 85.4

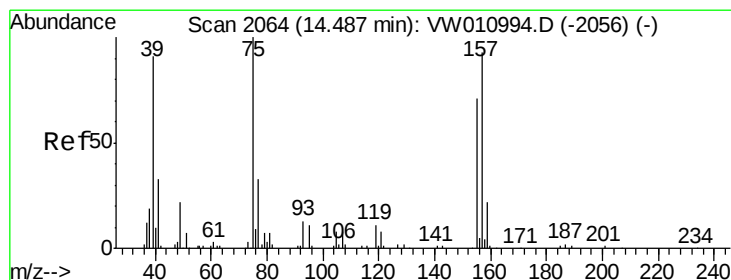
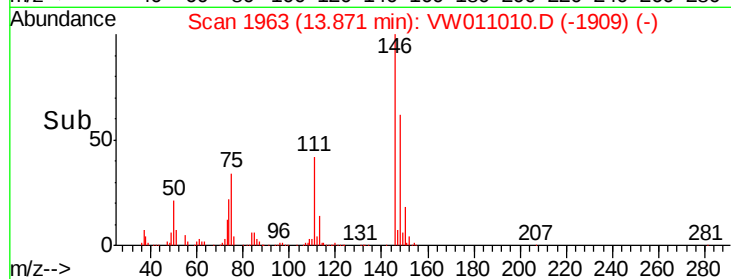
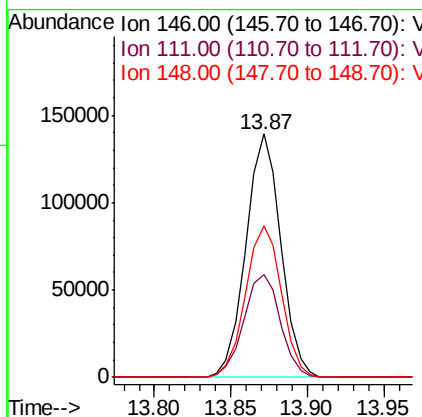
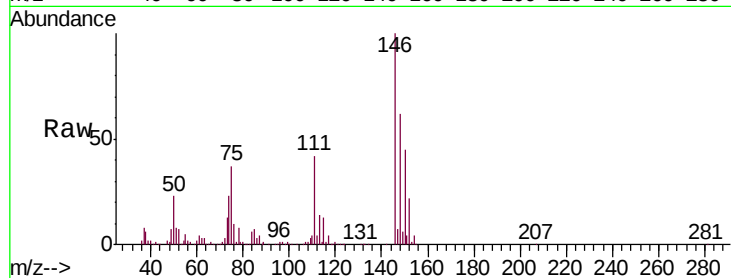




#65
 1,2-Dichlorobenzene
 Concen: 23.948 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

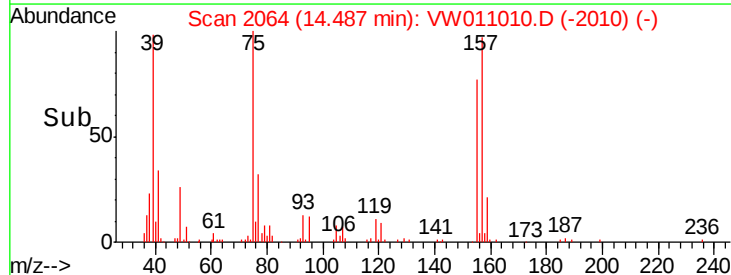
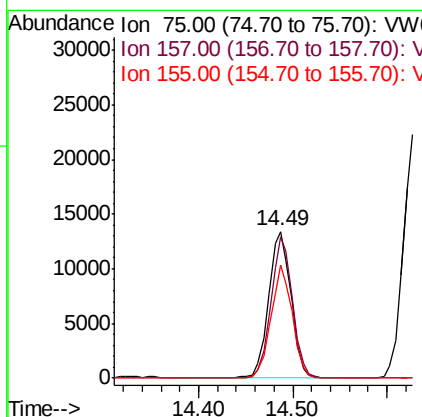
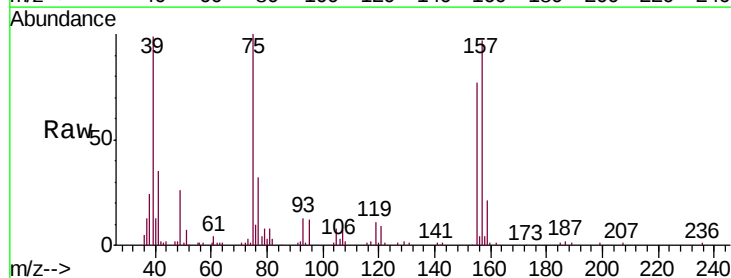
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

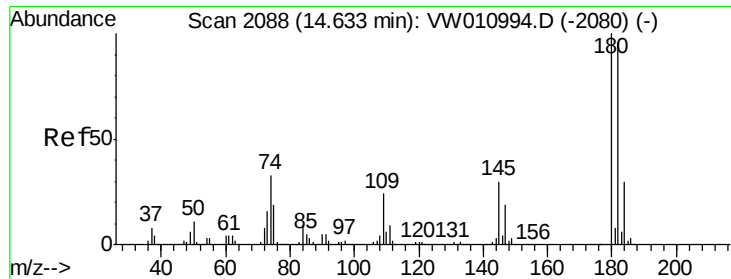
Tgt Ion:146 Resp: 221125
 Ion Ratio Lower Upper
 146 100
 111 42.1 34.6 51.8
 148 62.2 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.937 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

Tgt Ion: 75 Resp: 22616
 Ion Ratio Lower Upper
 75 100
 157 96.8 71.8 107.8
 155 77.3 55.2 82.8

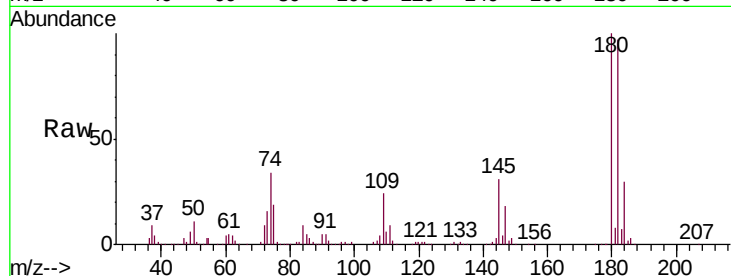




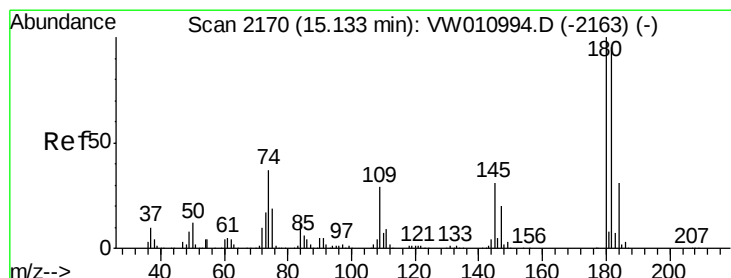
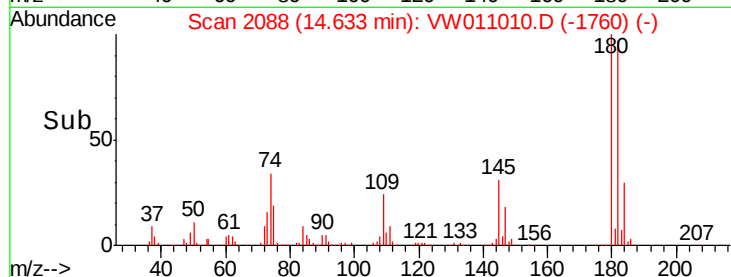
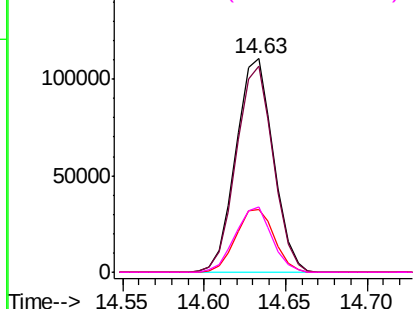
#67
 1,3,5-Trichlorobenzene
 Concen: 23.288 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tgt Ion:	180	Resp:	176957
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.2
184	30.2	24.3	36.5
145	30.0	24.2	36.2

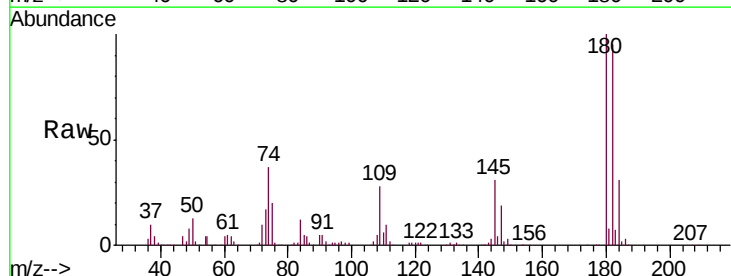


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

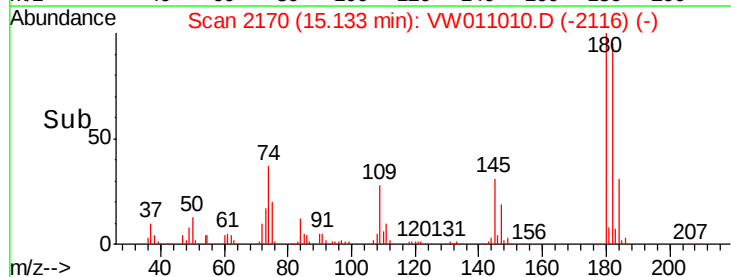
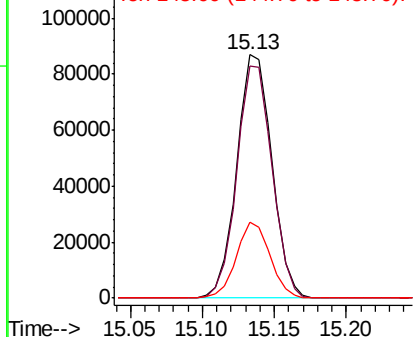


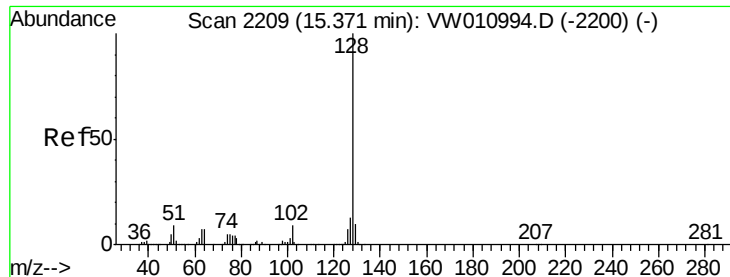
#68
 1,2,4-trichlorobenzene
 Concen: 22.834 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011010.D
 Acq: 26 Jun 2019 17:47

Tgt Ion:	180	Resp:	147049
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
145	30.3	24.2	36.4



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





#69

Naphthalene

Concen: 23.982 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

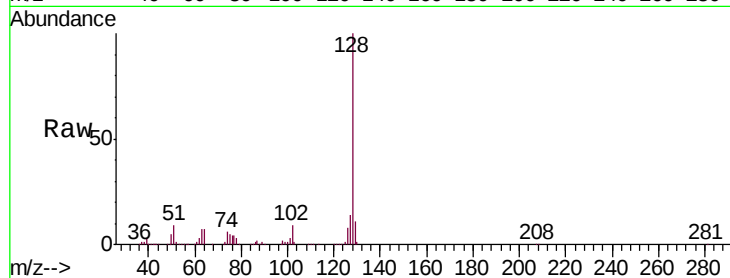
Tgt Ion:128 Resp: 329574

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

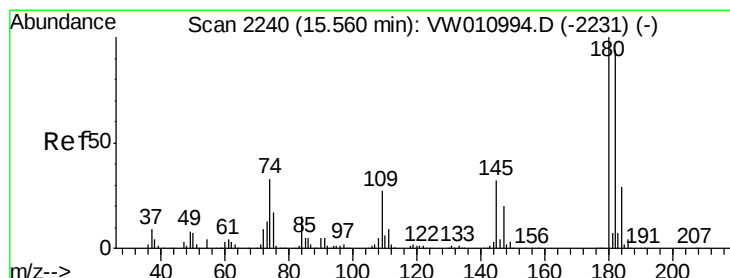
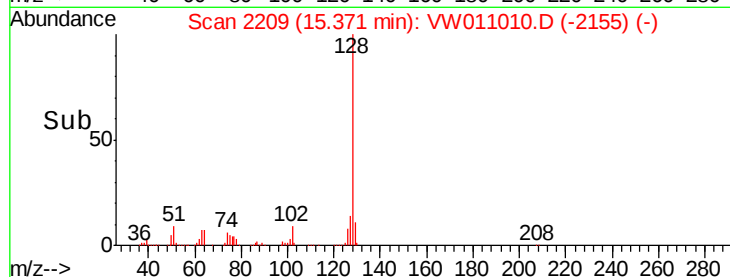
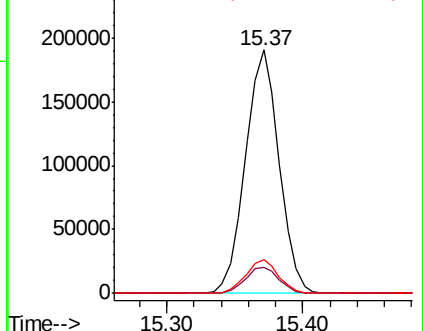
127 13.4 10.9 16.3



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: 23.109 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011010.D

Acq: 26 Jun 2019 17:47

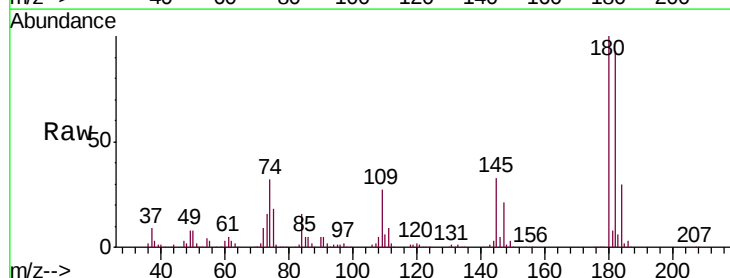
Tgt Ion:180 Resp: 135184

Ion Ratio Lower Upper

180 100

182 94.5 76.0 114.0

145 32.7 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

