

Data File : VW010957.D
Acq On : 25 Jun 2019 09:10
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Quant Time: Jun 26 02:56:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 02:43:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	357562	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	317117	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	154290	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	116682	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.68%
7) Chloroethane-d5	2.89	69	90716	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.56%
10) 1,1-Dichloroethene-d2	4.02	63	275114	25.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.48%
20) 2-Butanone-d5	7.07	46	93169	42.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.62%
24) Chloroform-d	7.65	84	233778	24.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.96%
26) 1,2-Dichloroethane-d4	8.30	65	139095	23.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.08%
29) Benzene-d6	8.27	84	473378	24.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.44%
33) 1,2-Dichloropropane-d6	9.27	67	153966	24.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.88%
37) Toluene-d8	10.32	98	425703	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.12%
38) trans-1,3-Dichloropropene-	10.58	79	64583	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.80%
39) 2-Hexanone-d5	10.93	63	62307	44.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122014	23.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	139271	23.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	147168	29.281	ug/L 98
3) Chloromethane	2.21	50	142283	26.626	ug/L 100
5) Vinyl chloride	2.36	62	183694	28.750	ug/L 99
6) Bromomethane	2.78	94	87104	27.620	ug/L 100
8) Chloroethane	2.92	64	94148	27.823	ug/L 98
9) Trichlorofluoromethane	3.25	101	62450	28.943	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	131736	26.271	ug/L 98
12) 1,1-Dichloroethene	4.04	96	133933	26.760	ug/L 99
13) Acetone	4.12	43	100095	48.024	ug/L 100
14) Carbon disulfide	4.38	76	398712	26.906	ug/L 99
15) Methyl Acetate	4.67	43	85158	23.603	ug/L 99
16) Methylene chloride	4.92	84	137053	25.881	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	192161	24.522	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	131826	26.193	ug/L 97
19) 1,1-Dichloroethane	6.21	63	271023	26.366	ug/L 99
21) 2-Butanone	7.16	43	127380	46.471	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	142897	26.388	ug/L 97

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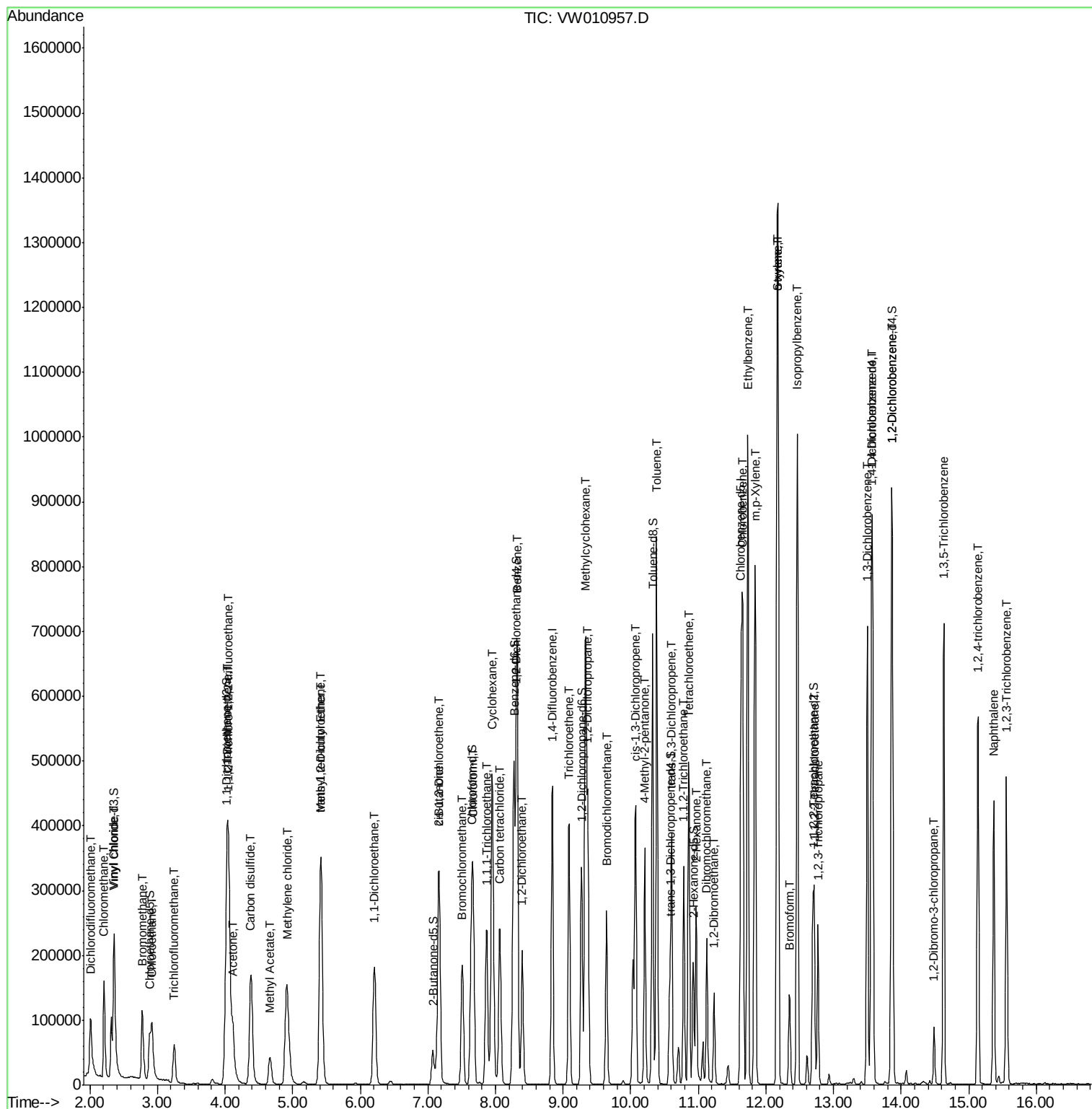
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	58068	25.213	ug/L	97
25) Chloroform	7.67	83	246417	26.128	ug/L	100
27) 1,2-Dichloroethane	8.40	62	186352	25.216	ug/L	100
30) Cyclohexane	7.95	56	284064	27.089	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	189078	27.415	ug/L	100
32) Carbon tetrachloride	8.07	117	177864	27.303	ug/L	99
34) Benzene	8.32	78	565508	27.137	ug/L	100
35) Trichloroethene	9.09	95	142251	26.918	ug/L	99
36) Methylcyclohexane	9.34	83	262599	27.073	ug/L	100
40) 1,2-Dichloropropane	9.37	63	151157	26.354	ug/L	100
41) Bromodichloromethane	9.64	83	176126	26.166	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	229675	26.031	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	254660	47.845	ug/L	99
44) Toluene	10.38	91	586771	26.928	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	187604	25.722	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	99928	25.422	ug/L	99
47) Tetrachloroethene	10.86	164	108208	26.999	ug/L	95
49) 2-Hexanone	10.97	43	184268	48.662	ug/L	100
50) Dibromochloromethane	11.13	129	111010	25.648	ug/L	98
51) 1,2-Dibromoethane	11.24	107	95604	25.150	ug/L	99
52) Chlorobenzene	11.66	112	347230	26.481	ug/L	99
53) Ethylbenzene	11.73	91	659157	26.850	ug/L	100
54) m,p-Xylene	11.84	106	241510	27.110	ug/L	98
55) o-xylene	12.16	106	230013	26.908	ug/L	99
56) Styrene	12.18	104	396239	26.880	ug/L	99
57) Isopropylbenzene	12.47	105	631395	27.226	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	129623	25.220	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	99164	24.849	ug/L	99
62) Bromoform	12.35	173	61807	25.027	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	263975	26.279	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	268253	26.585	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	239398	25.768	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21293	22.399	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	204151	26.702	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	173420	26.763	ug/L	99
69) Naphthalene	15.37	128	347030	25.097	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	153311	26.047	ug/L	99

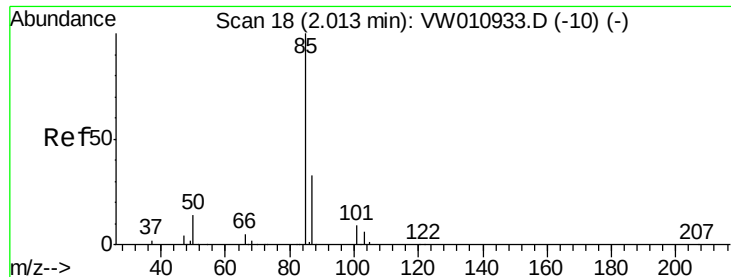
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.281 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Instrument :

MSVOA_W

ClientSampled :

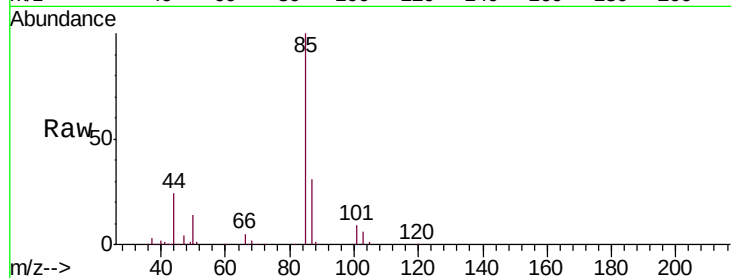
VSTD02529

Tgt Ion: 85 Resp: 147168

Ion Ratio Lower Upper

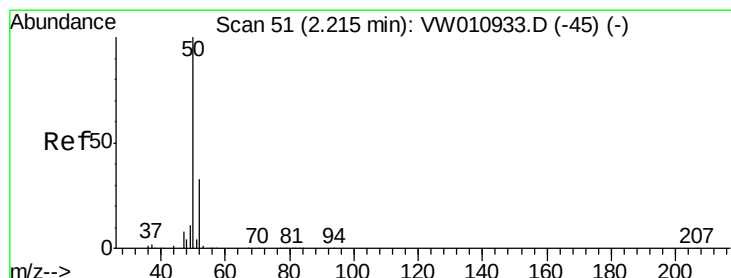
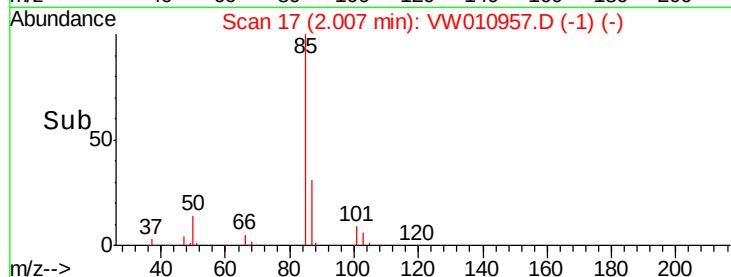
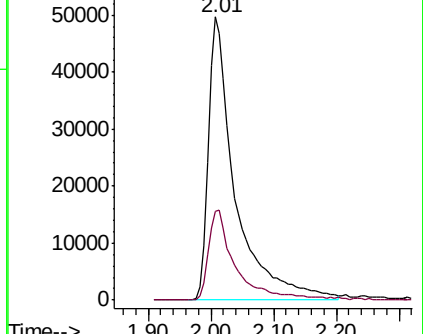
85 100

87 30.3 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: 26.626 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010957.D

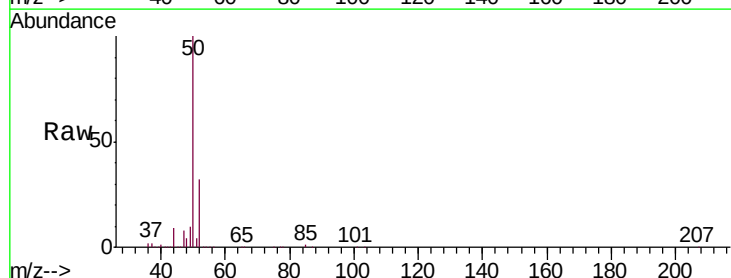
Acq: 25 Jun 2019 09:10

Tgt Ion: 50 Resp: 142283

Ion Ratio Lower Upper

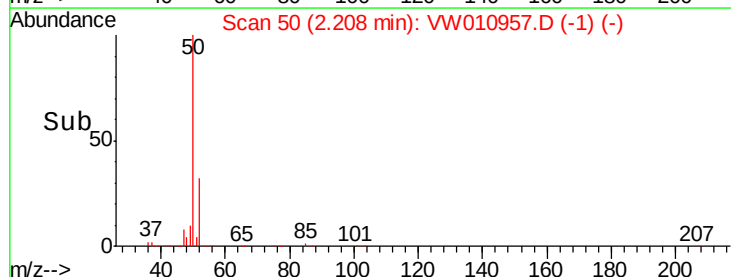
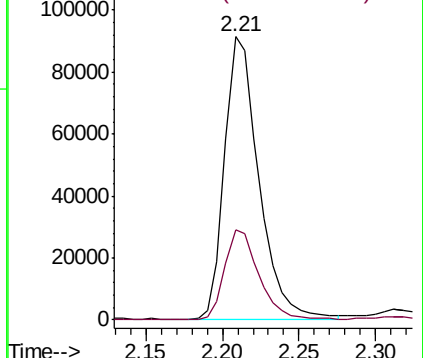
50 100

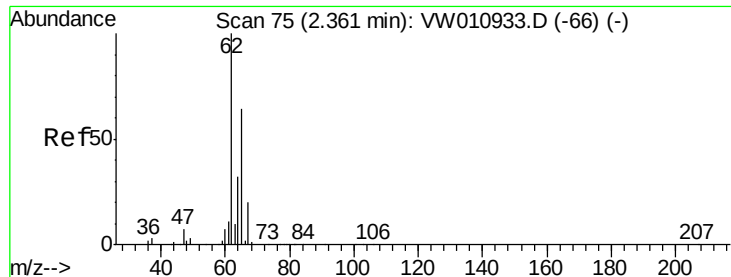
52 31.7 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 28.750 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

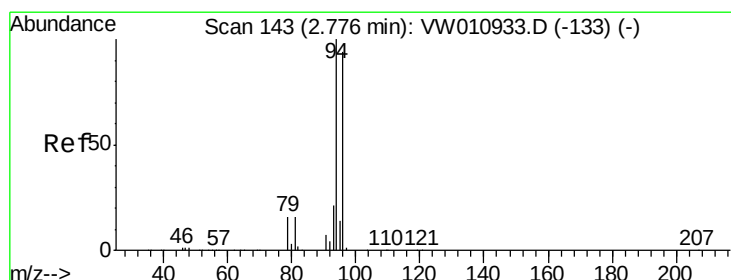
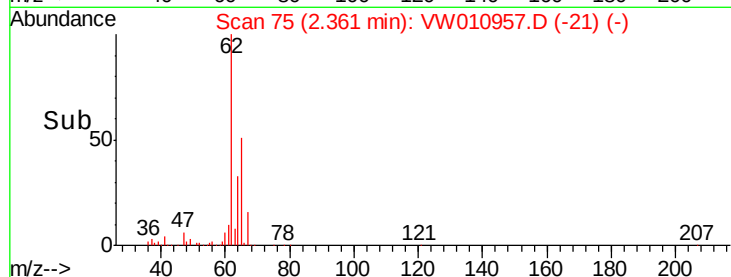
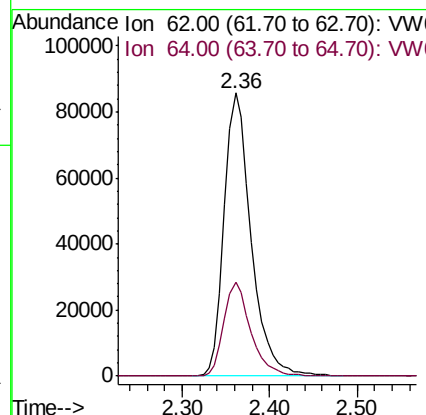
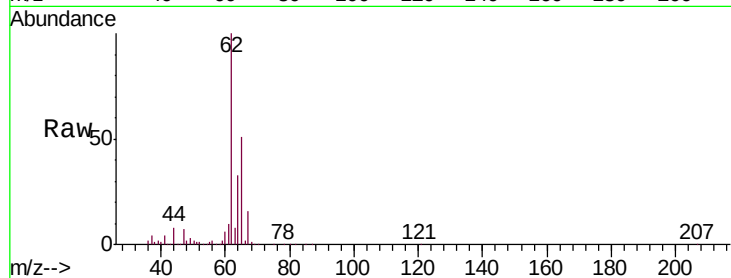
VSTD02529

Tgt Ion: 62 Resp: 183694

Ion Ratio Lower Upper

62 100

64 33.0 22.9 42.5



#6

Bromomethane

Concen: 27.620 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010957.D

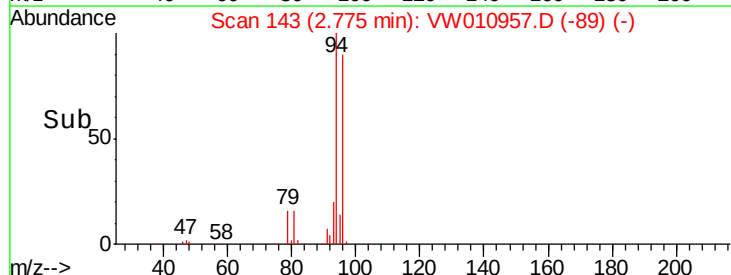
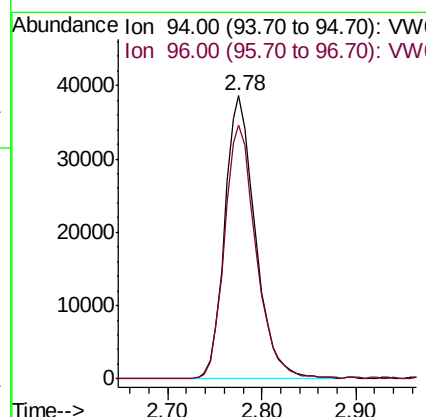
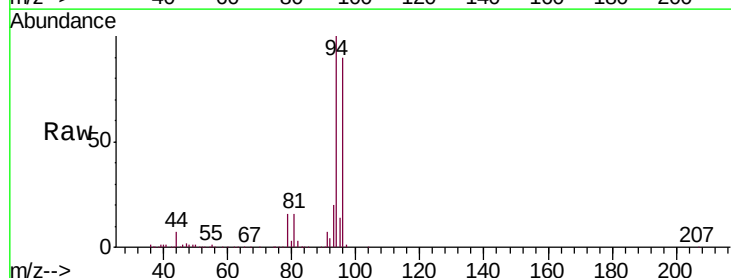
Acq: 25 Jun 2019 09:10

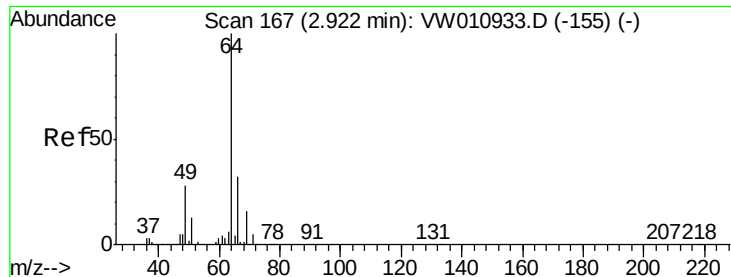
Tgt Ion: 94 Resp: 87104

Ion Ratio Lower Upper

94 100

96 92.2 9.2 175.8





#8

Chloroethane

Concen: 27.823 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

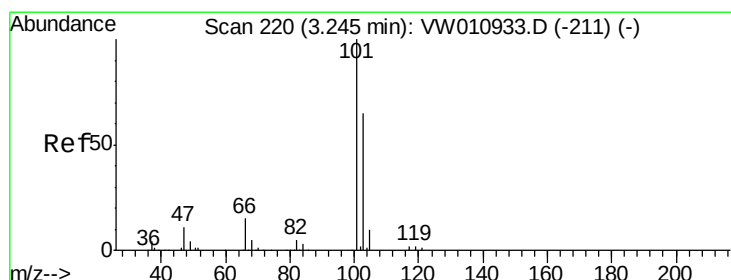
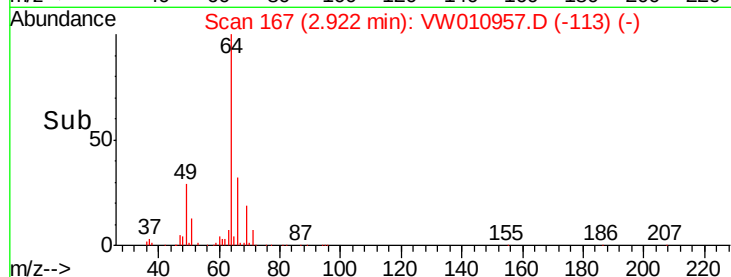
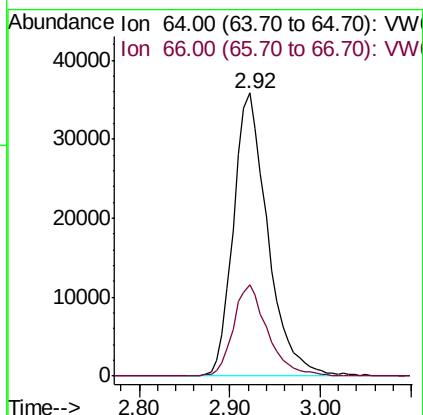
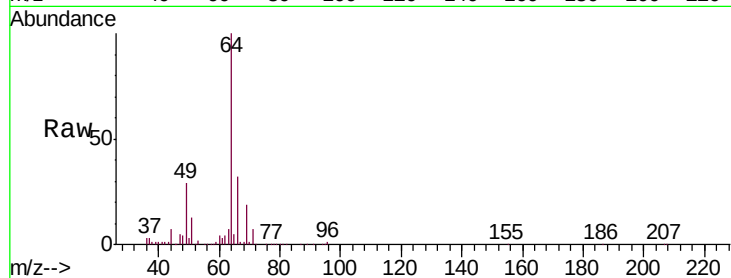
VSTD02529

Tgt Ion: 64 Resp: 94148

Ion Ratio Lower Upper

64 100

66 32.2 21.8 40.4



#9

Trichlorofluoromethane

Concen: 28.943 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.01 min

Lab File: VW010957.D

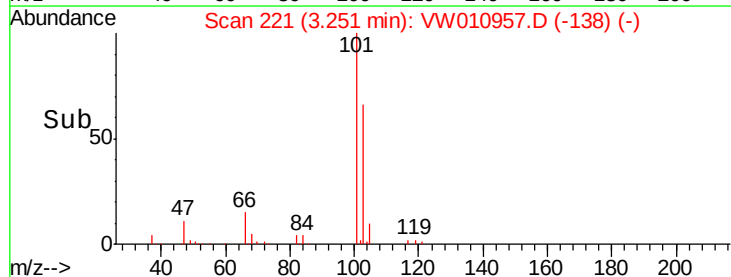
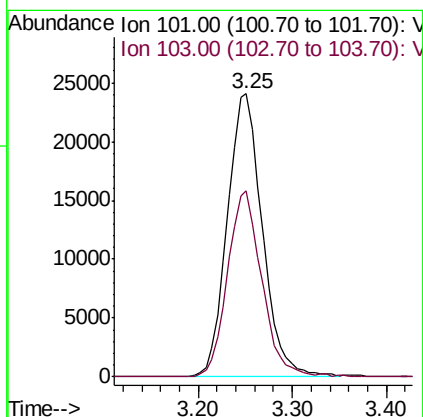
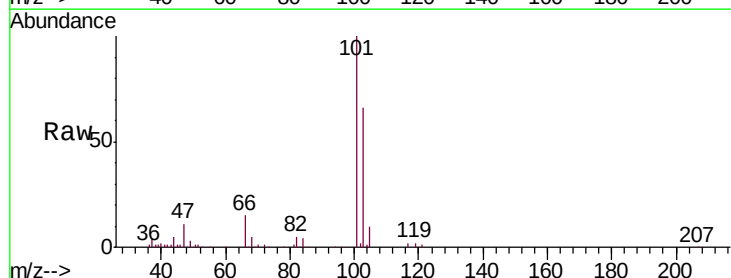
Acq: 25 Jun 2019 09:10

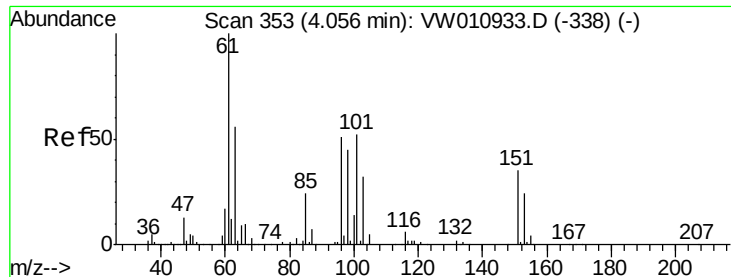
Tgt Ion: 101 Resp: 62450

Ion Ratio Lower Upper

101 100

103 63.8 46.4 86.2





#11

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

Concen: 26.271 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

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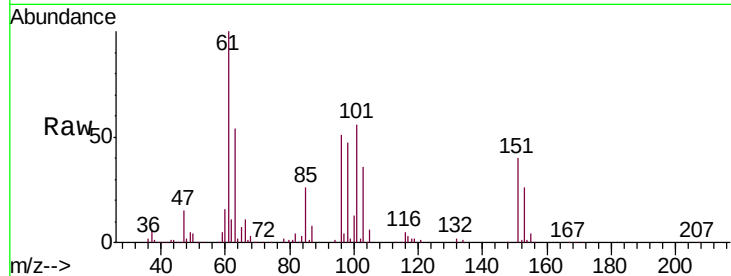
Tgt Ion: 101 Resp: 131736

Ion Ratio Lower Upper

101 100

85 45.7 35.8 53.8

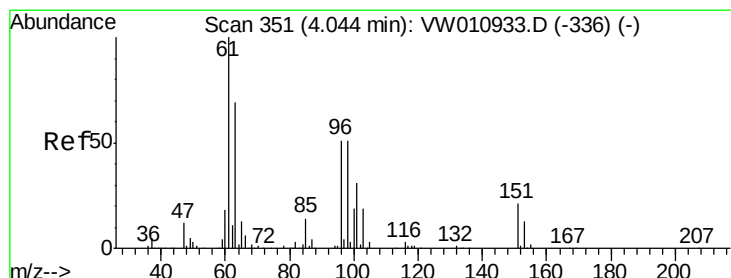
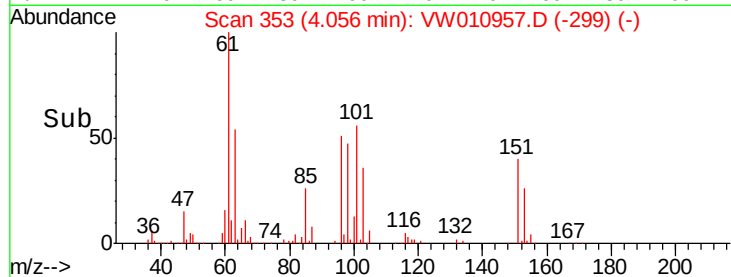
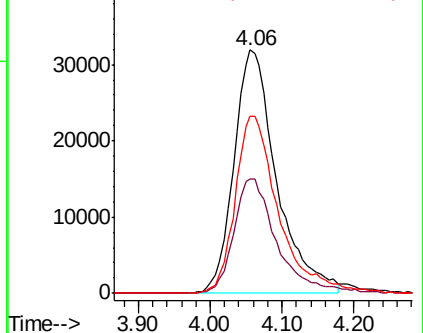
151 73.6 56.9 85.3



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: 26.760 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

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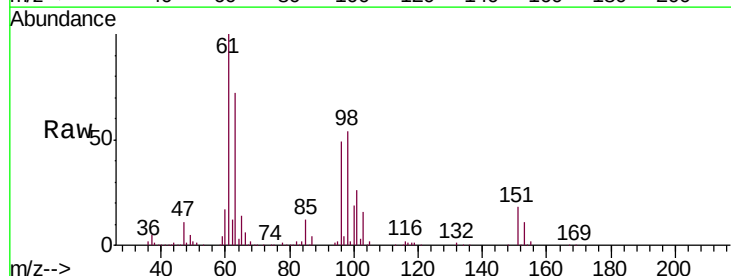
Tgt Ion: 96 Resp: 133933

Ion Ratio Lower Upper

96 100

61 203.1 144.5 268.3

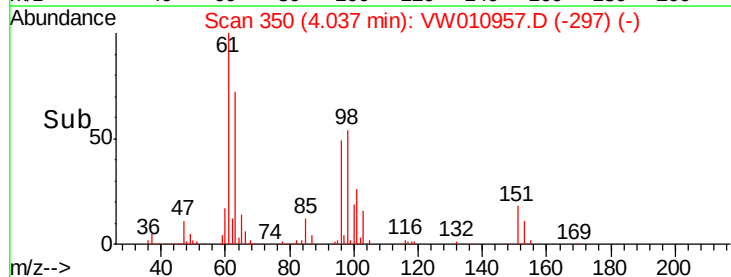
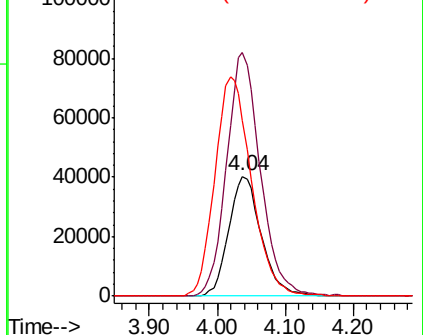
63 146.4 102.3 189.9

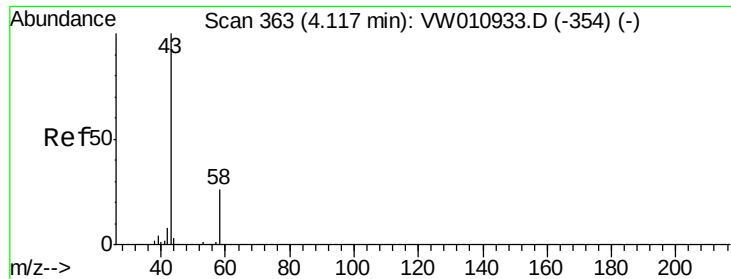


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.024 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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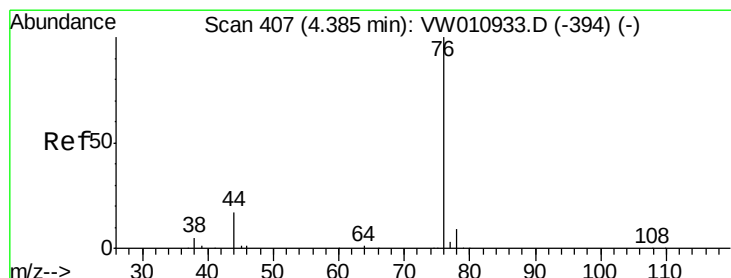
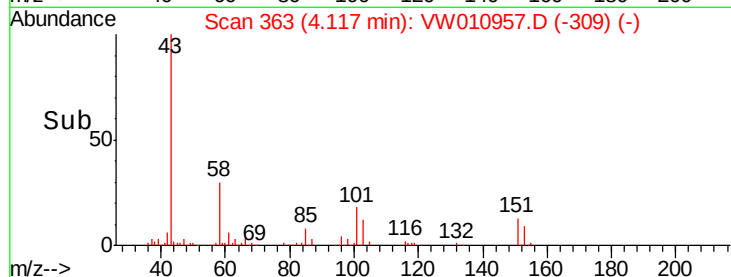
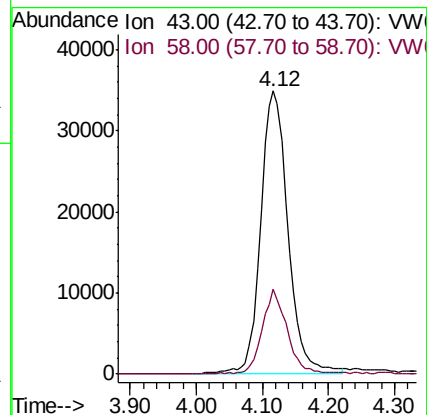
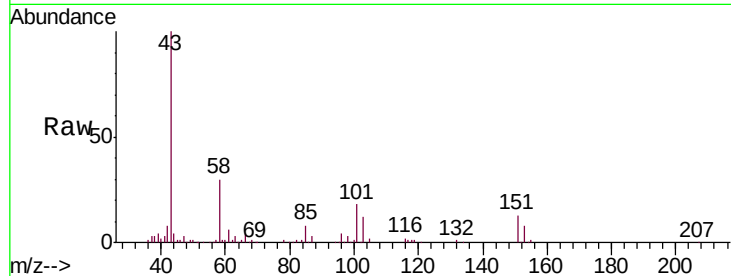
VSTD02529

Tgt Ion: 43 Resp: 100095

Ion Ratio Lower Upper

43 100

58 26.4 0.0 53.2



#14

Carbon disulfide

Concen: 26.906 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW010957.D

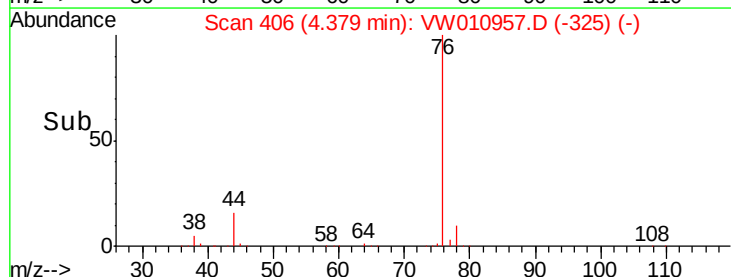
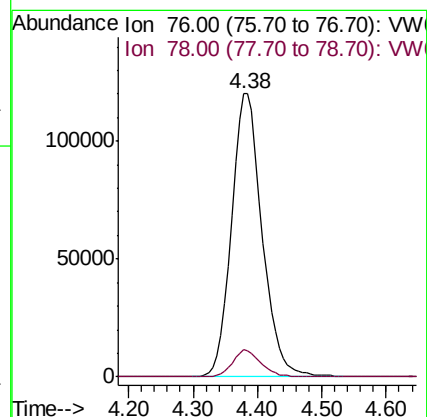
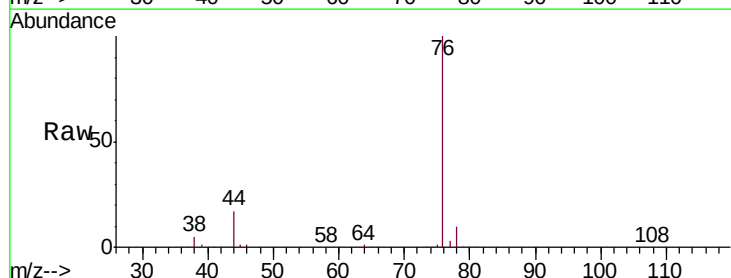
Acq: 25 Jun 2019 09:10

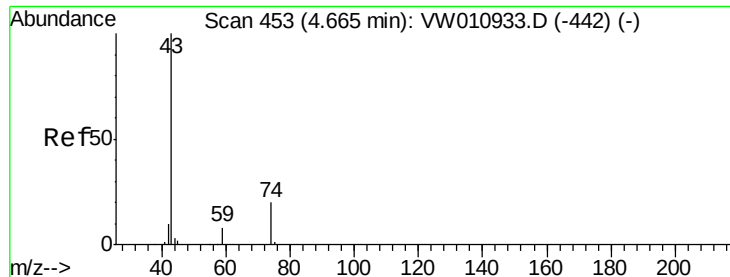
Tgt Ion: 76 Resp: 398712

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8

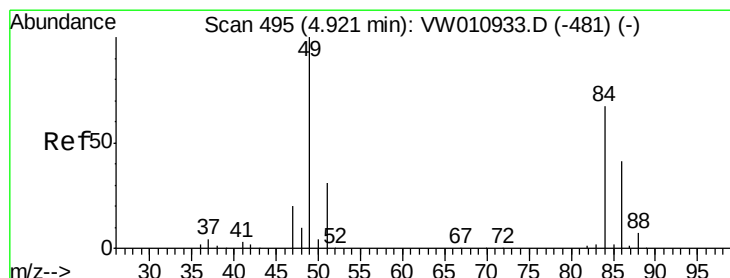
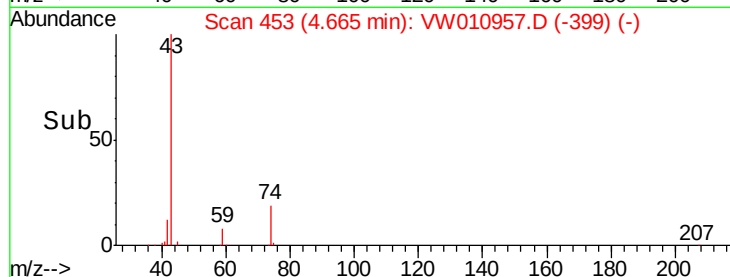
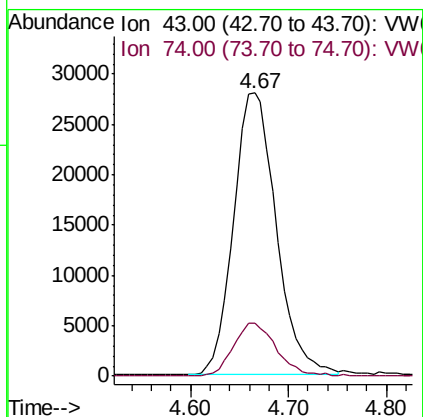
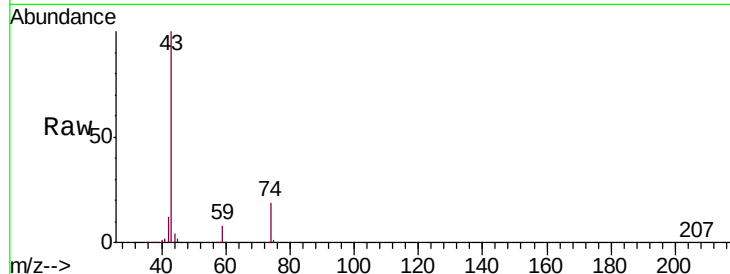




#15
Methyl Acetate
Concen: 23.603 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

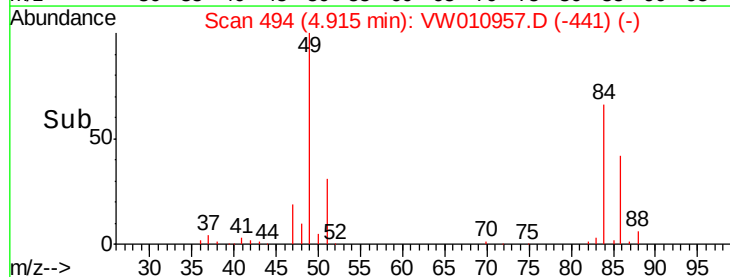
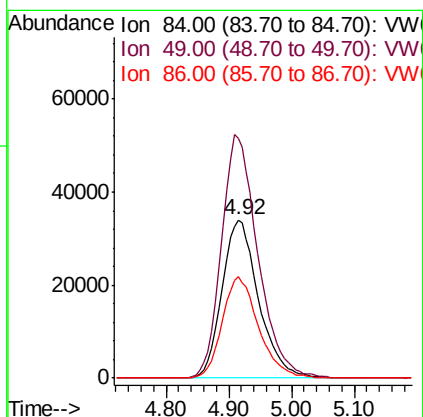
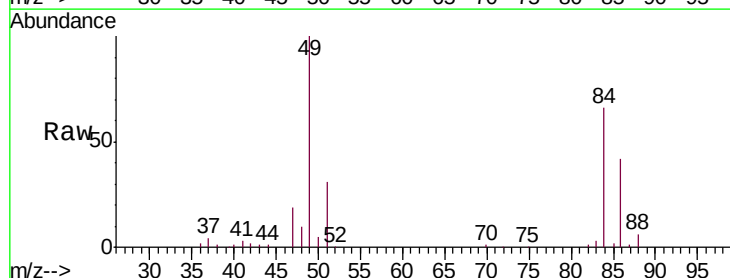
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

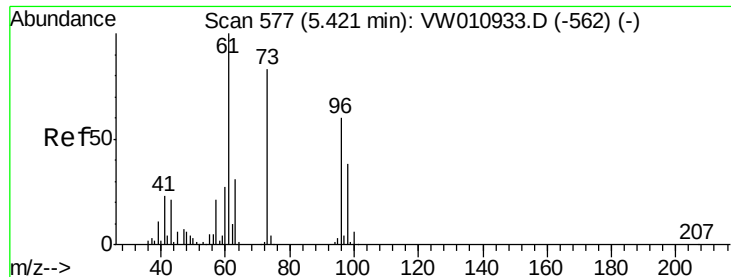
Tgt Ion: 43 Resp: 85158
Ion Ratio Lower Upper
43 100
74 18.8 15.3 22.9



#16
Methylene chloride
Concen: 25.881 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

Tgt Ion: 84 Resp: 137053
Ion Ratio Lower Upper
84 100
49 151.4 107.0 198.8
86 63.9 44.4 82.5

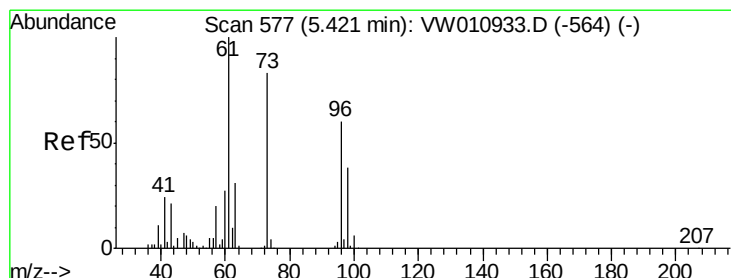
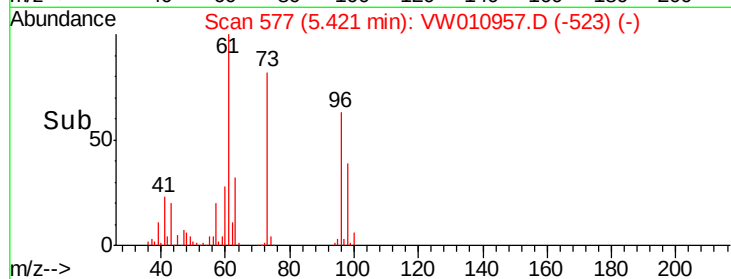
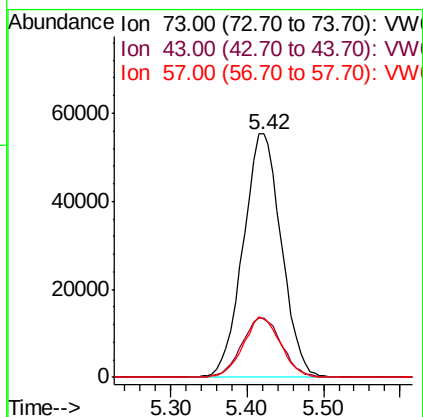
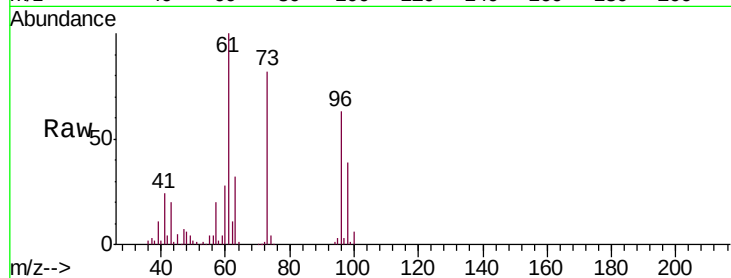




#17
Methyl tert-butyl Ether
Concen: 24.522 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

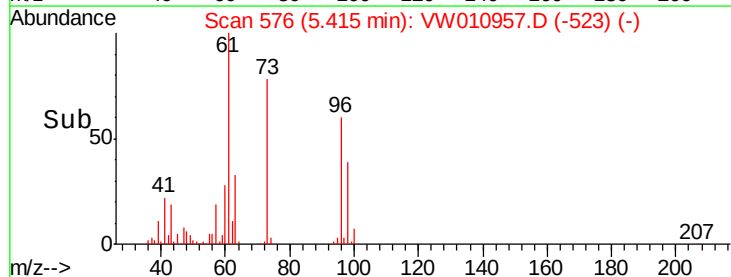
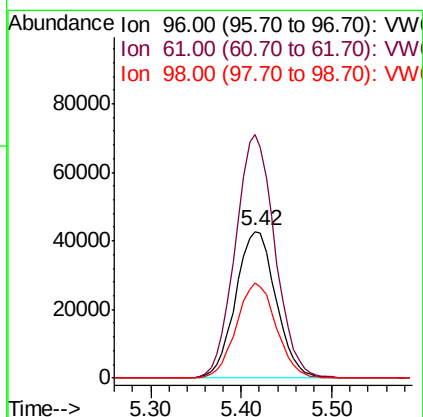
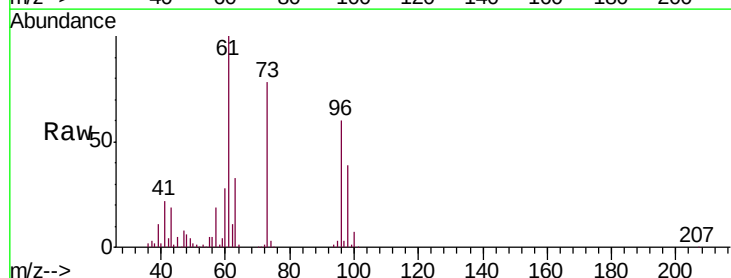
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

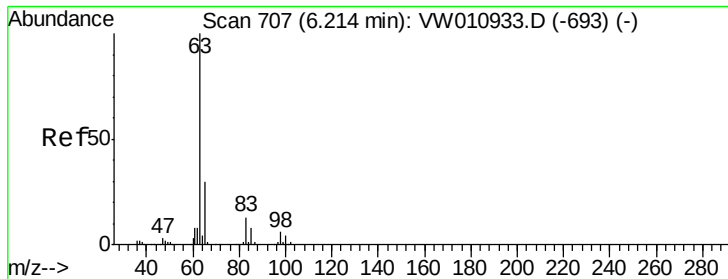
Tgt Ion: 73 Resp: 192161
Ion Ratio Lower Upper
73 100
43 25.1 20.2 30.2
57 24.1 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 26.193 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

Tgt Ion: 96 Resp: 131826
Ion Ratio Lower Upper
96 100
61 166.4 113.3 210.3
98 64.9 44.1 81.9

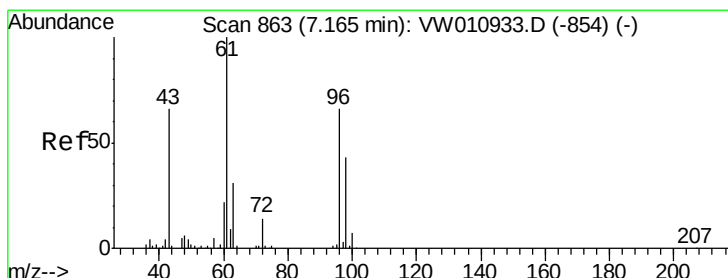
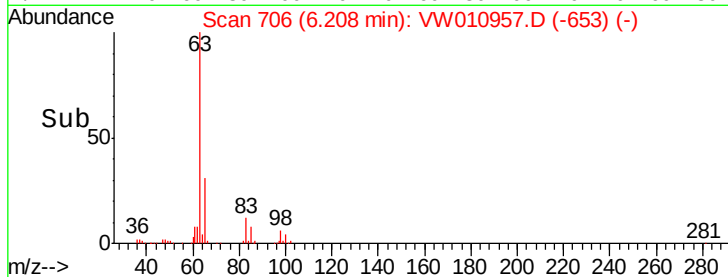
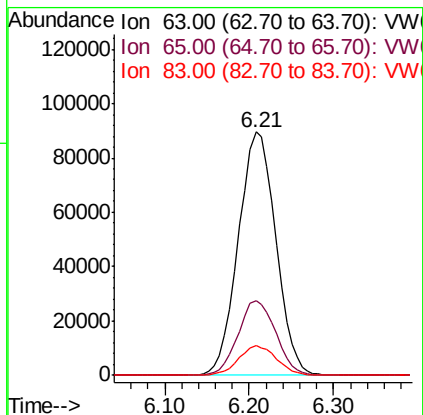
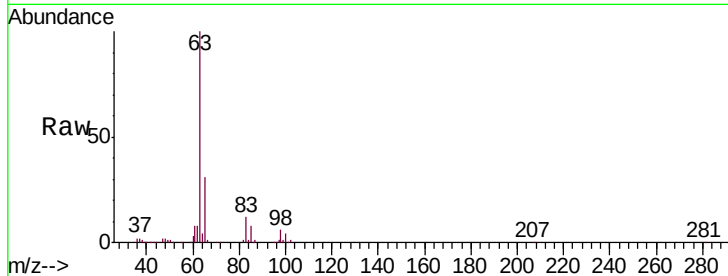




#19
 1,1-Dichloroethane
 Concen: 26.366 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

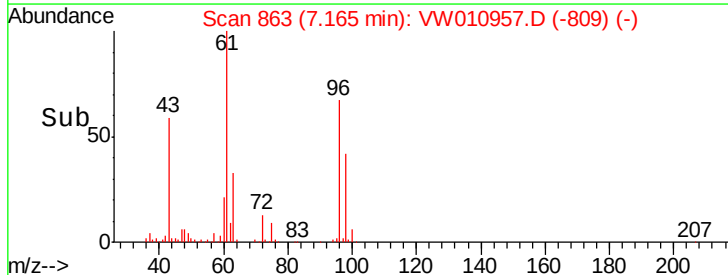
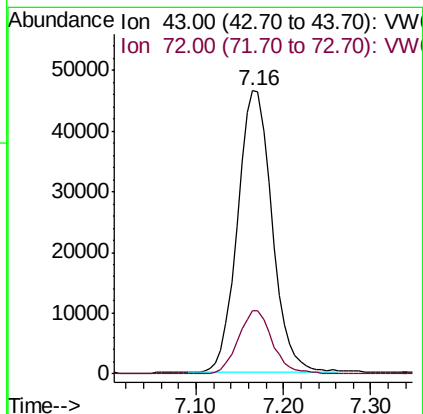
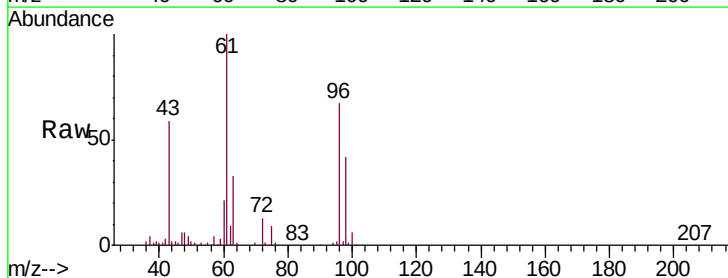
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

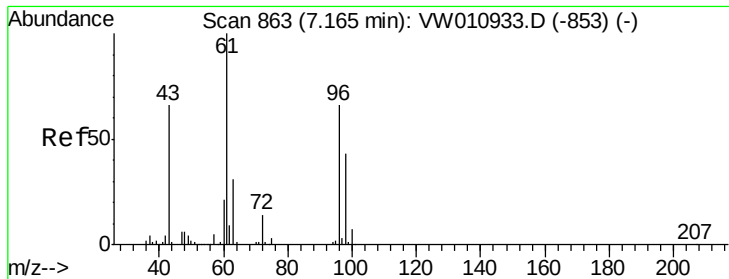
Tgt Ion: 63 Resp: 271023
 Ion Ratio Lower Upper
 63 100
 65 30.8 21.3 39.6
 83 12.5 8.5 15.9



#21
 2-Butanone
 Concen: 46.471 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

Tgt Ion: 43 Resp: 127380
 Ion Ratio Lower Upper
 43 100
 72 22.1 10.9 32.6



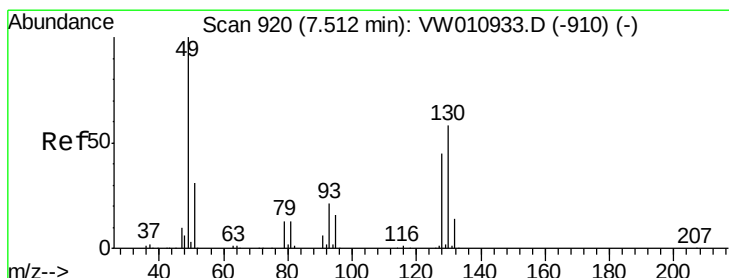
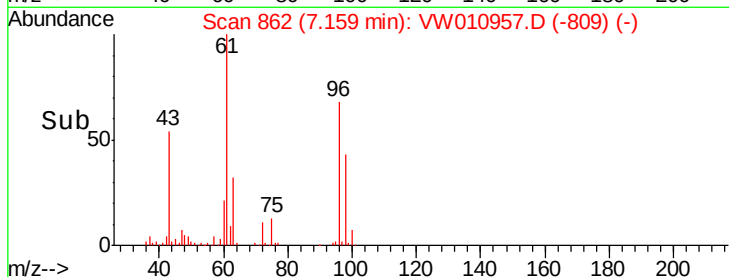
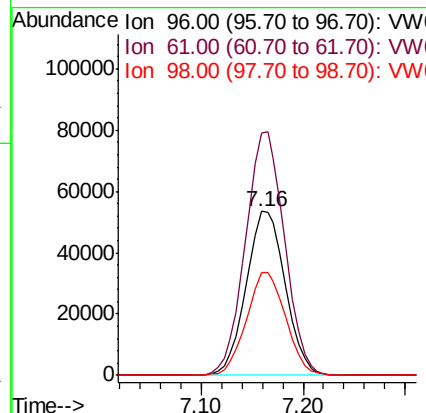
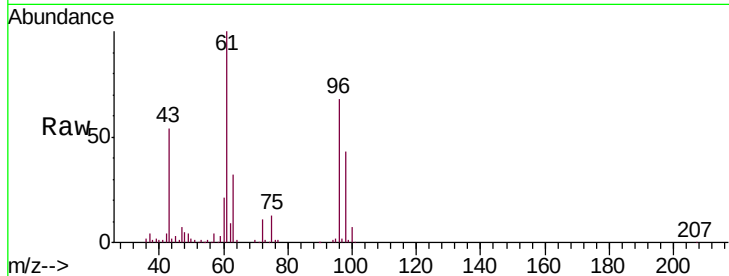


#22

cis-1,2-Dichloroethene
 Concen: 26.388 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02529

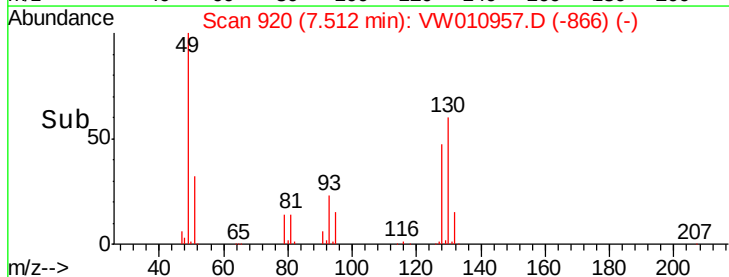
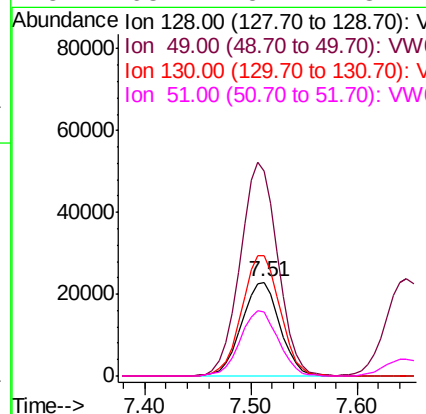
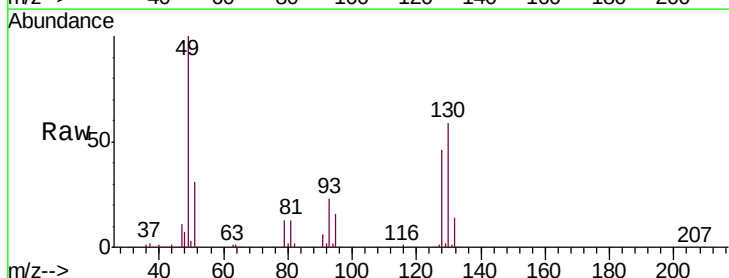
Tgt Ion: 96 Resp: 142897
 Ion Ratio Lower Upper
 96 100
 61 147.6 106.5 197.7
 98 62.8 45.5 84.5

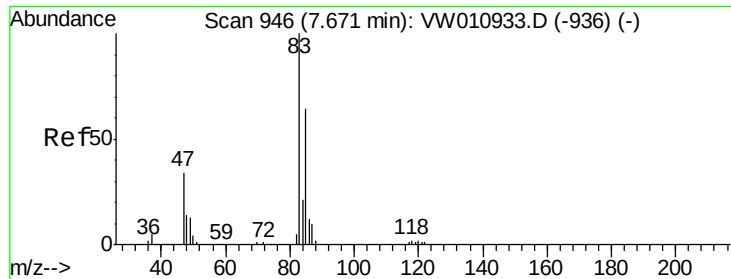


#23

Bromochloromethane
 Concen: 25.213 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

Tgt Ion: 128 Resp: 58068
 Ion Ratio Lower Upper
 128 100
 49 218.7 157.7 292.9
 130 128.1 91.6 170.0
 51 68.7 54.2 81.2

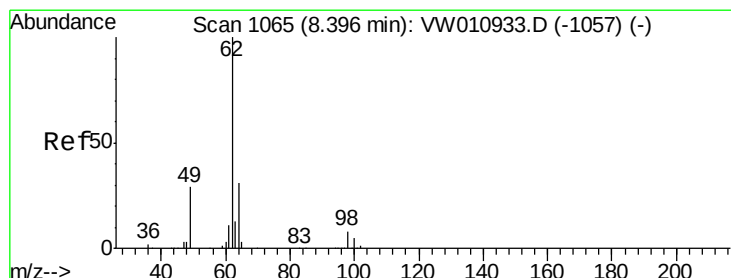
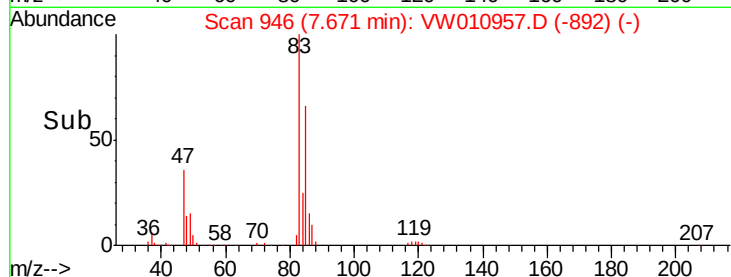
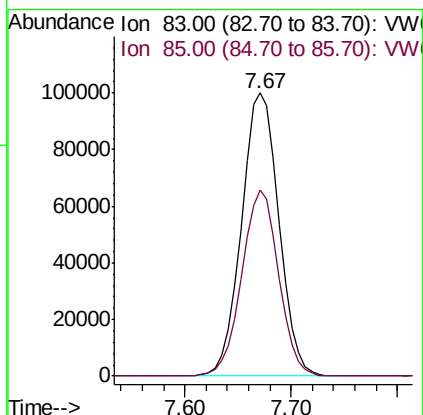
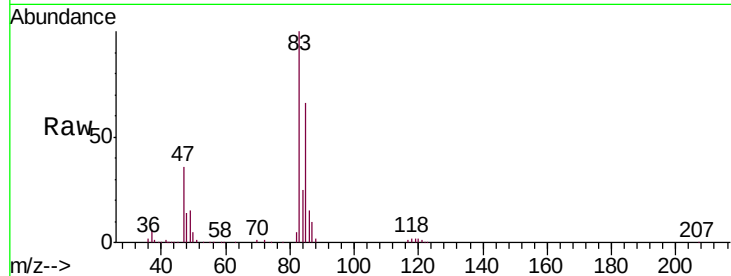




#25
Chloroform
Concen: 26.128 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

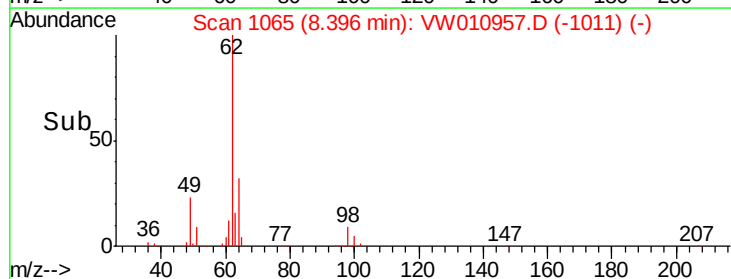
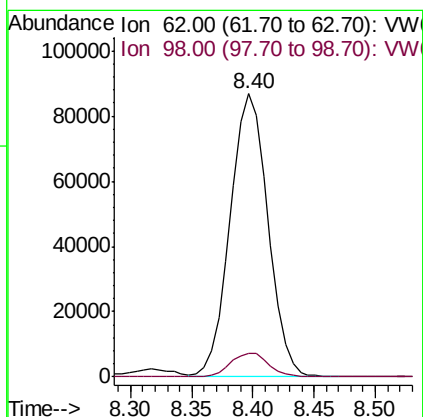
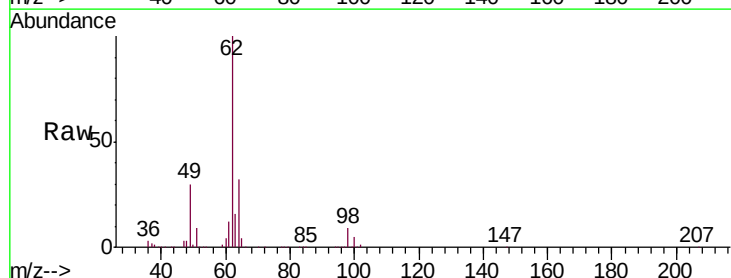
Instrument :
MSVOA_W
ClientSampled :
VSTD02529

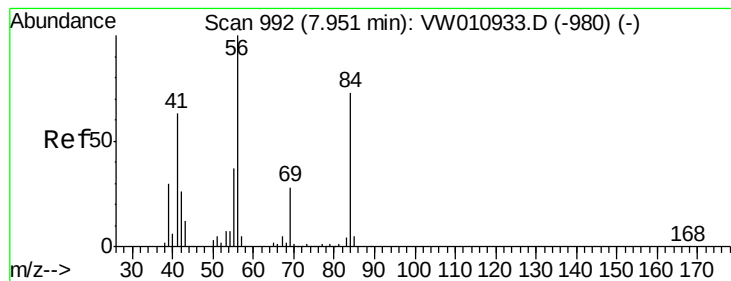
Tgt Ion: 83 Resp: 246417
Ion Ratio Lower Upper
83 100
85 65.3 45.6 84.8



#27
1,2-Dichloroethane
Concen: 25.216 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

Tgt Ion: 62 Resp: 186352
Ion Ratio Lower Upper
62 100
98 8.5 6.7 10.1





#30

Cyclohexane

Concen: 27.089 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

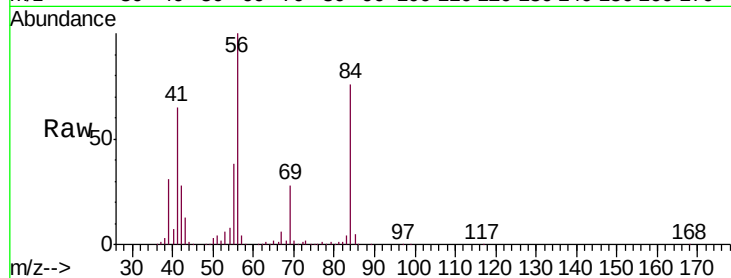
Tgt Ion: 56 Resp: 284064

Ion Ratio Lower Upper

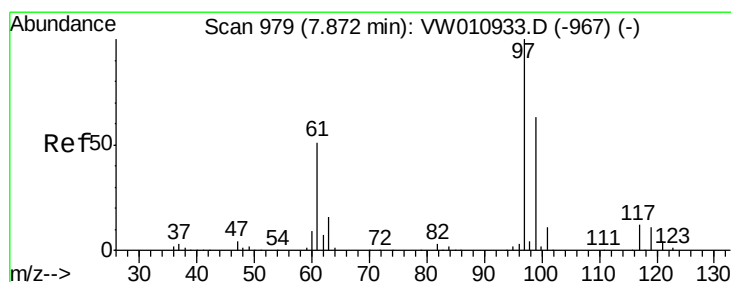
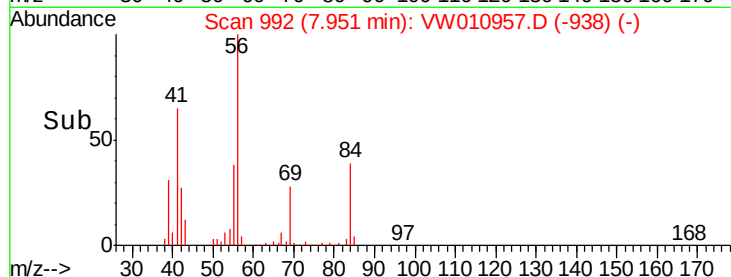
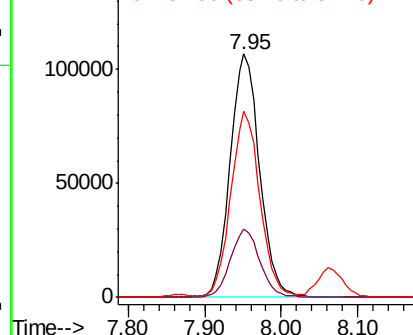
56 100

69 28.0 22.2 33.4

84 75.7 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: 27.415 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

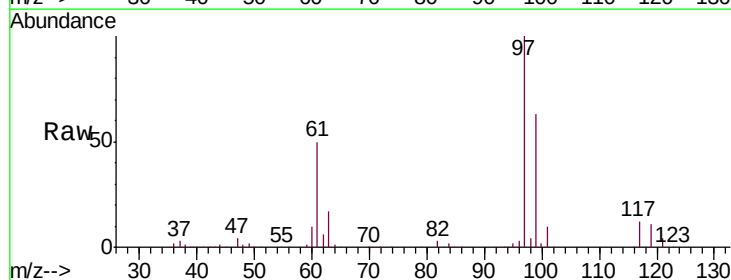
Tgt Ion: 97 Resp: 189078

Ion Ratio Lower Upper

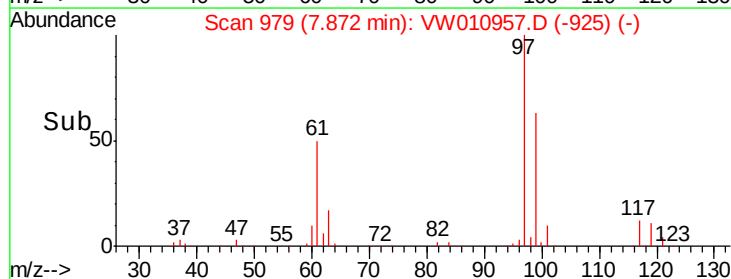
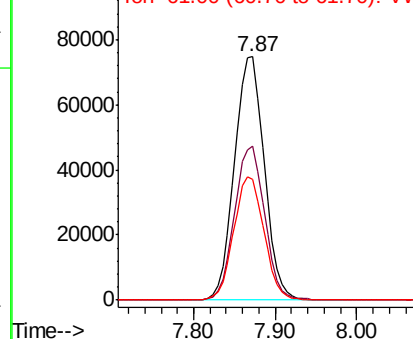
97 100

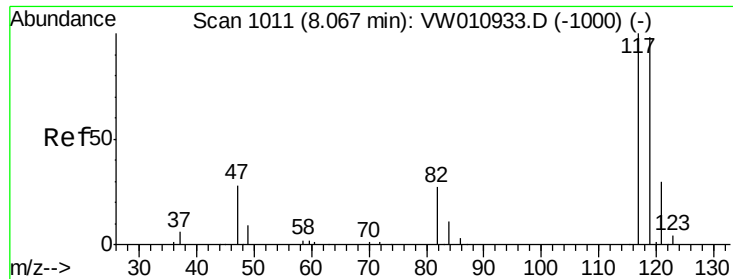
99 63.6 50.7 76.1

61 51.4 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: 27.303 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

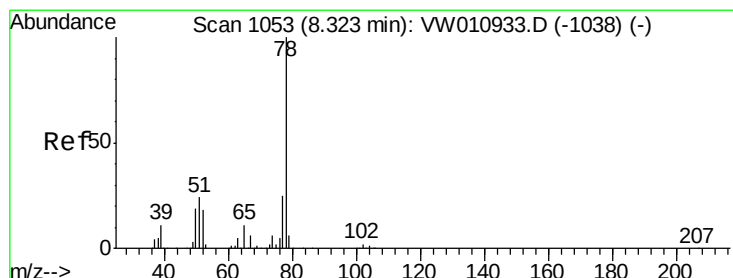
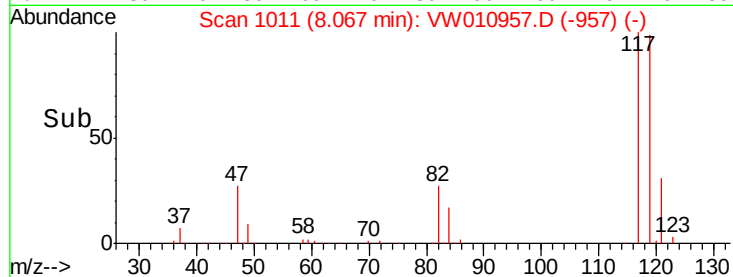
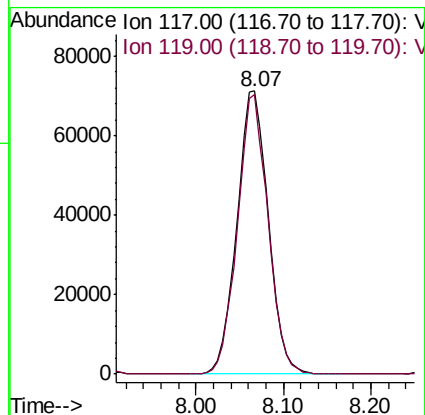
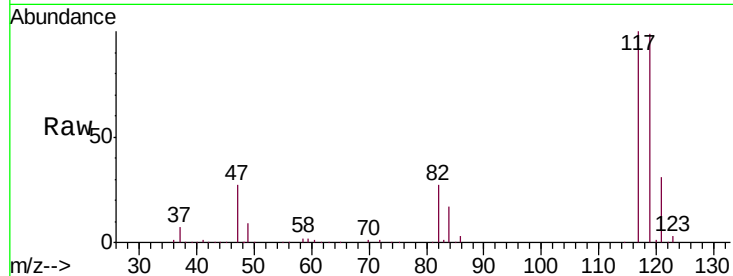
VSTD02529

Tgt Ion:117 Resp: 177864

Ion Ratio Lower Upper

117 100

119 96.0 75.7 113.5



#34

Benzene

Concen: 27.137 ug/L

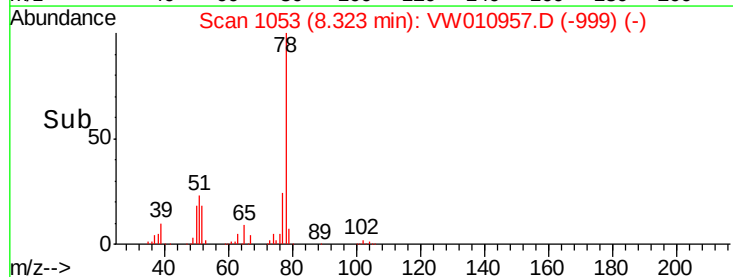
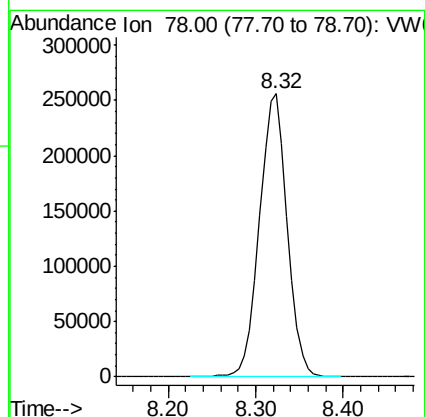
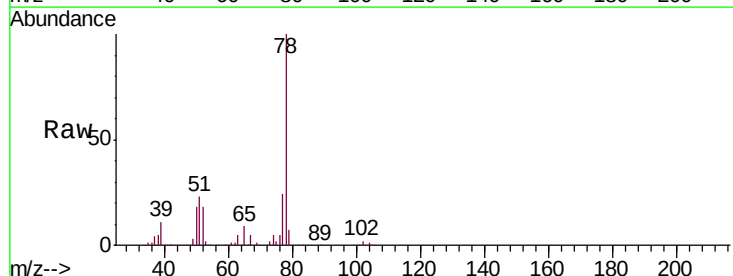
RT: 8.32 min Scan# 1053

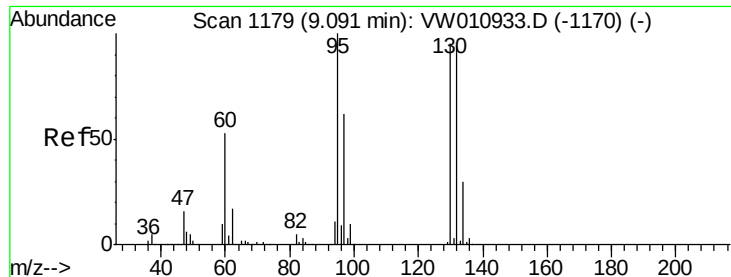
Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Tgt Ion: 78 Resp: 565508





#35

Trichloroethene

Concen: 26.918 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Instrument :

MSVOA_W

ClientSampled :

VSTD02529

Tgt Ion: 95 Resp: 142251

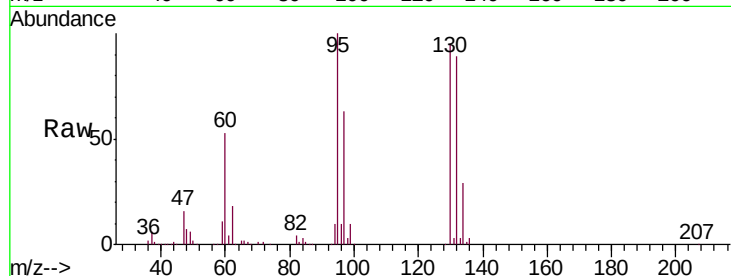
Ion Ratio Lower Upper

95 100

97 63.2 44.9 83.3

132 91.2 64.0 119.0

130 94.0 67.4 125.2

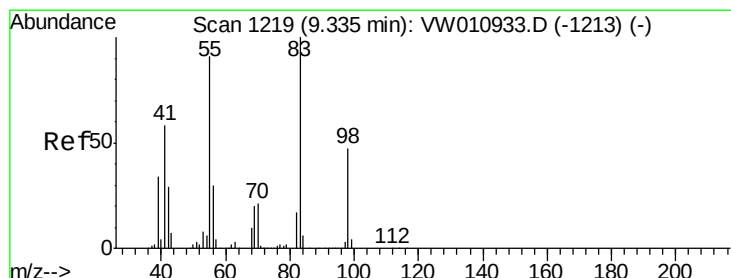
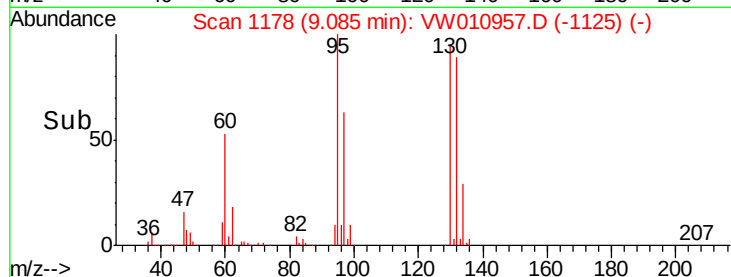
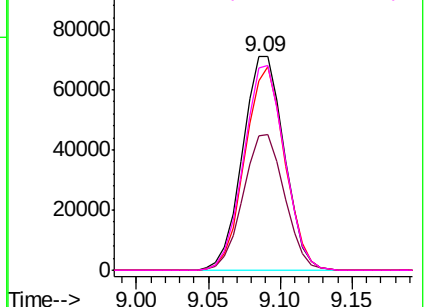


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 27.073 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

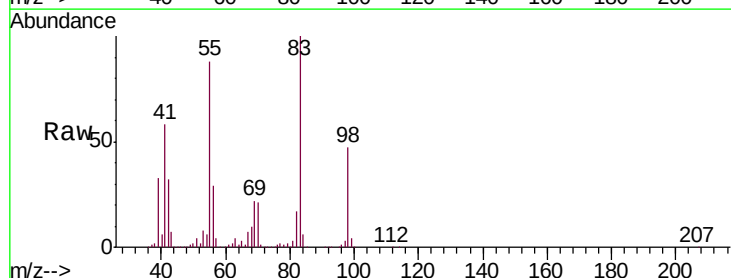
Tgt Ion: 83 Resp: 262599

Ion Ratio Lower Upper

83 100

55 90.2 72.2 108.2

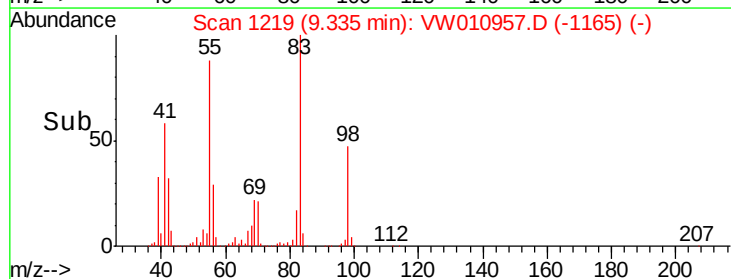
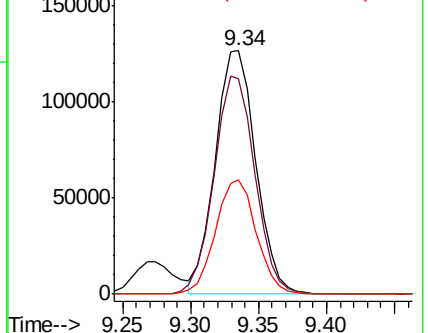
98 47.5 37.8 56.8

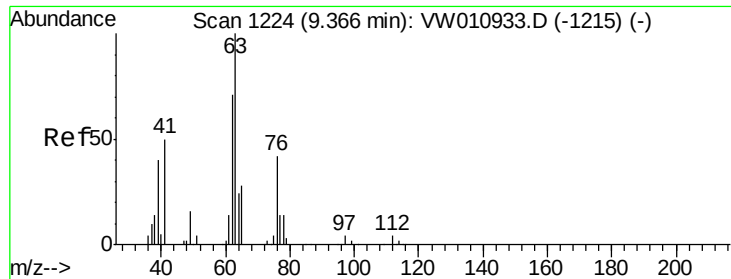


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

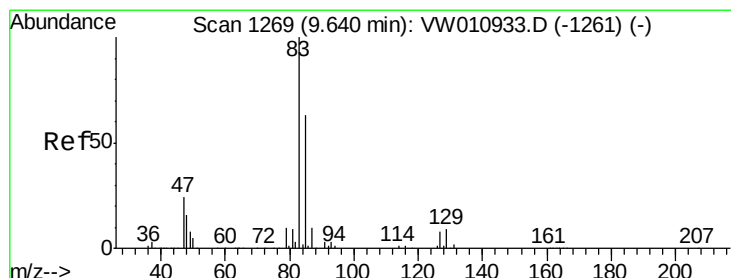
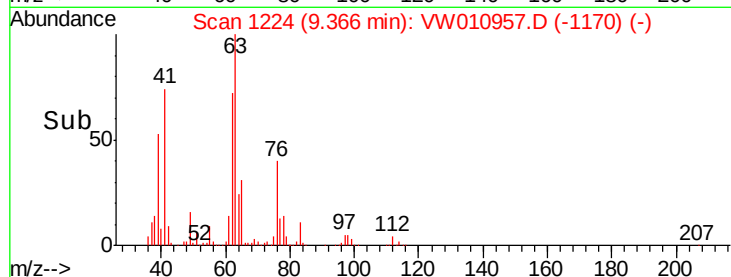
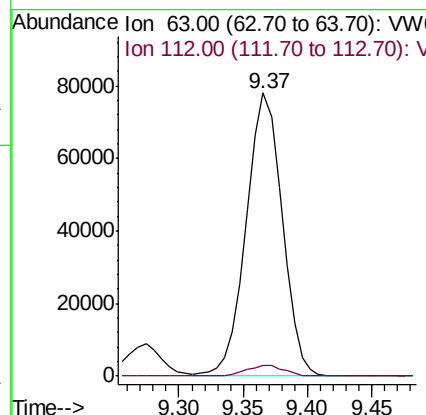
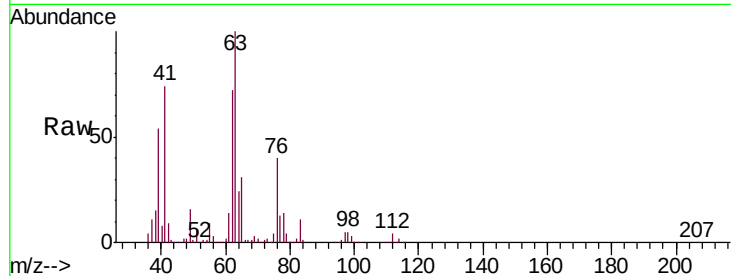




#40
 1,2-Dichloropropane
 Concen: 26.354 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

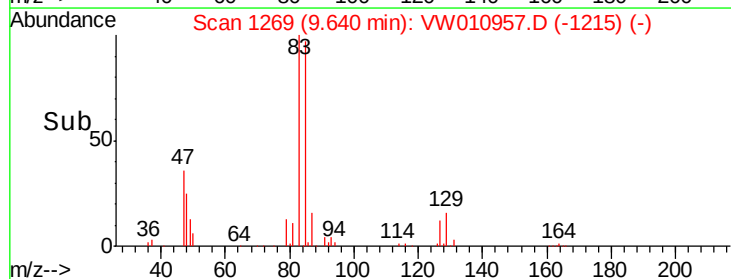
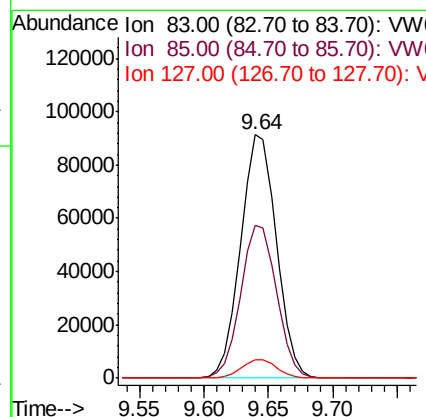
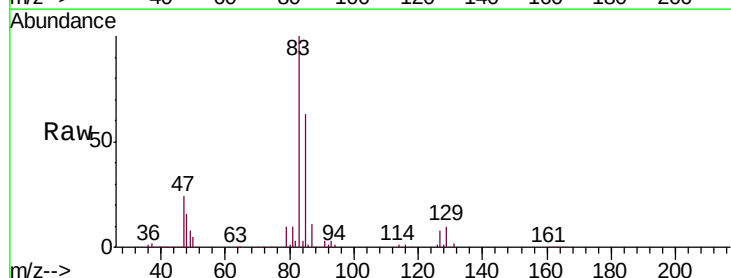
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

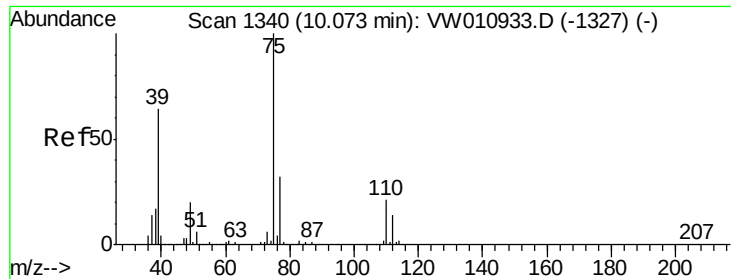
Tgt Ion: 63 Resp: 151157
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.3 4.9



#41
 Bromodichloromethane
 Concen: 26.166 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

Tgt Ion: 83 Resp: 176126
 Ion Ratio Lower Upper
 83 100
 85 63.0 43.1 80.1
 127 7.6 6.0 9.0

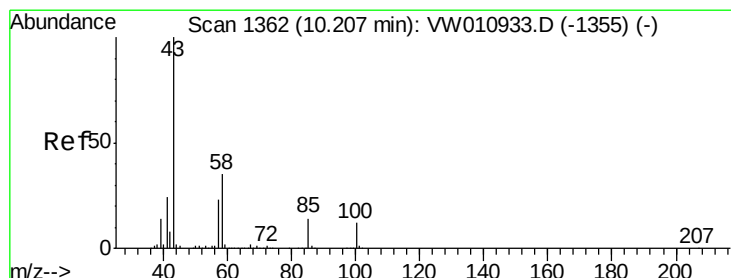
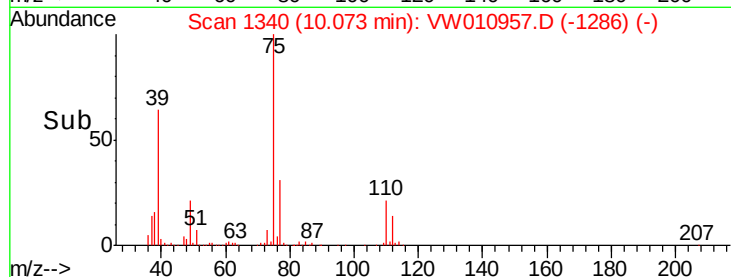
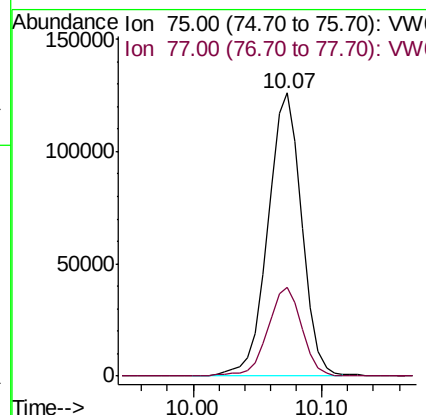
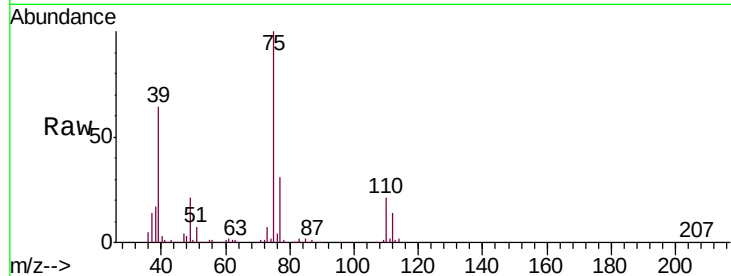




#42
 cis-1,3-Dichloropropene
 Concen: 26.031 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

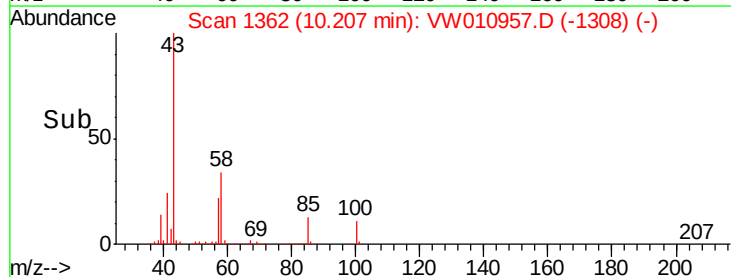
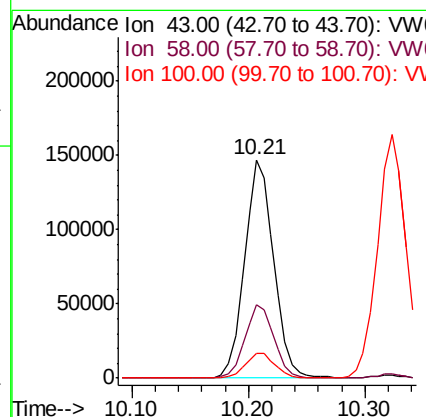
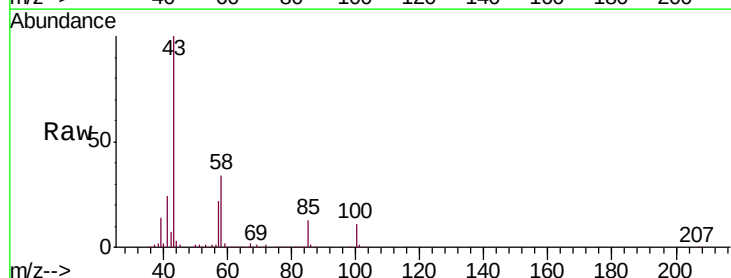
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

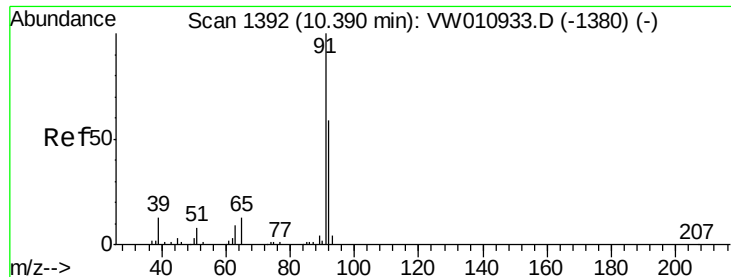
Tgt Ion: 75 Resp: 229675
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 47.845 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

Tgt Ion: 43 Resp: 254660
 Ion Ratio Lower Upper
 43 100
 58 33.7 27.5 41.3
 100 11.7 9.6 14.4





#44

Toluene

Concen: 26.928 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

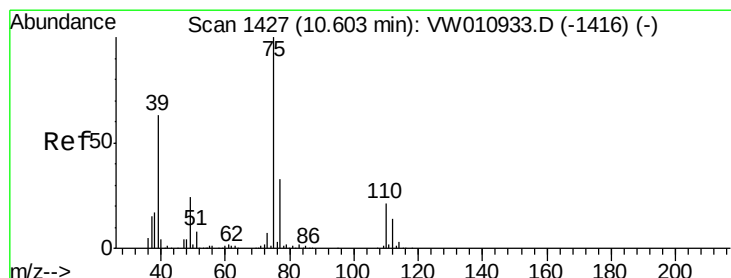
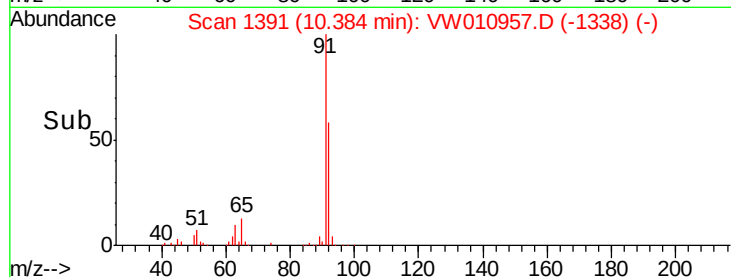
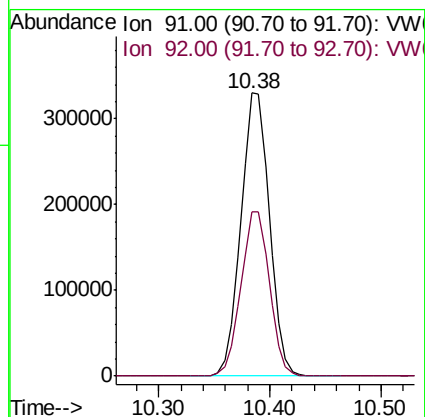
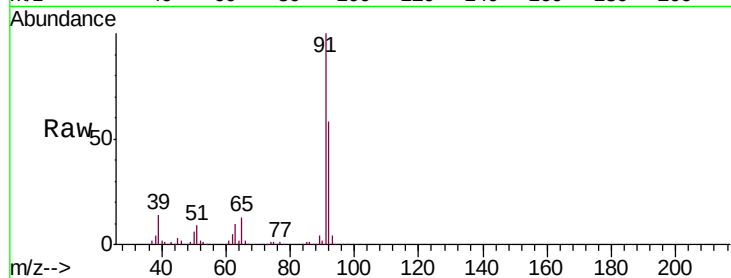
VSTD02529

Tgt Ion: 91 Resp: 586771

Ion Ratio Lower Upper

91 100

92 58.0 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 25.722 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010957.D

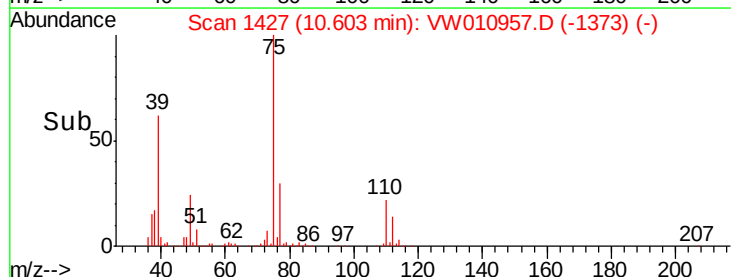
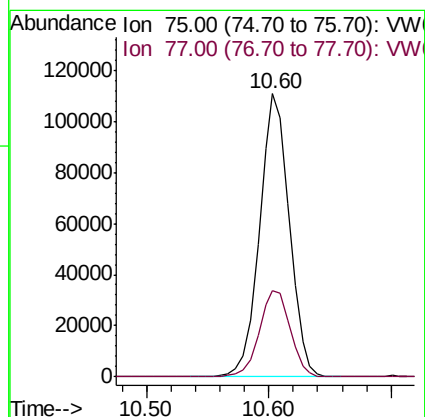
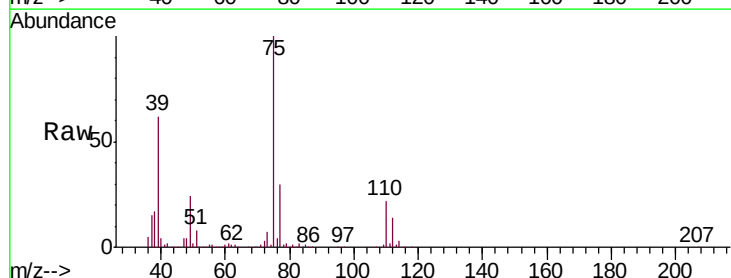
Acq: 25 Jun 2019 09:10

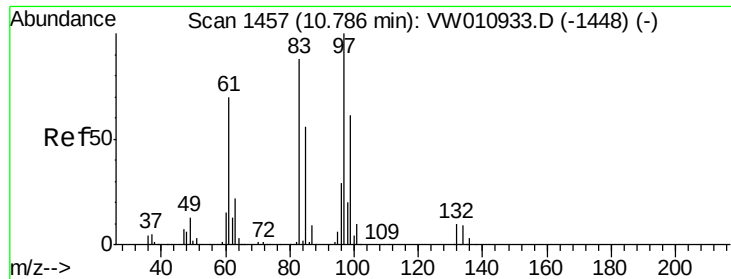
Tgt Ion: 75 Resp: 187604

Ion Ratio Lower Upper

75 100

77 30.3 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 25.422 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tgt Ion: 97 Resp: 99928

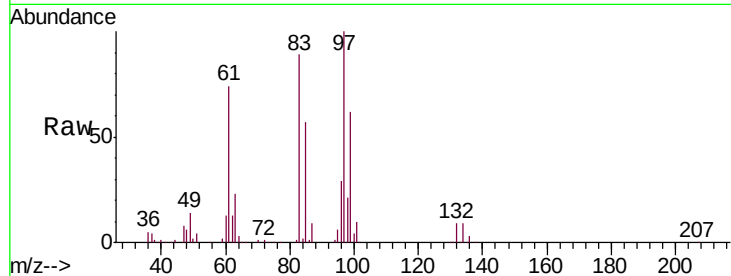
Ion Ratio Lower Upper

97 100

83 89.0 61.8 114.8

85 57.3 38.6 71.6

99 61.5 43.3 80.3

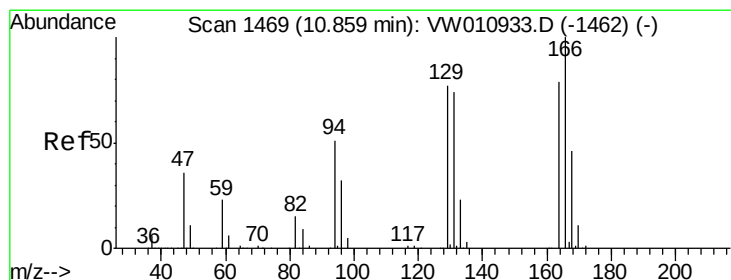
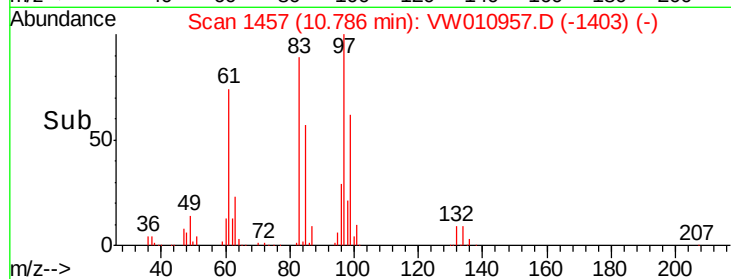
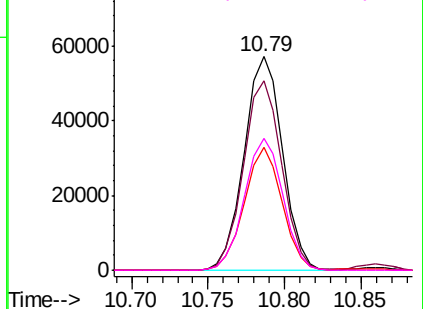


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.999 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Tgt Ion: 164 Resp: 108208

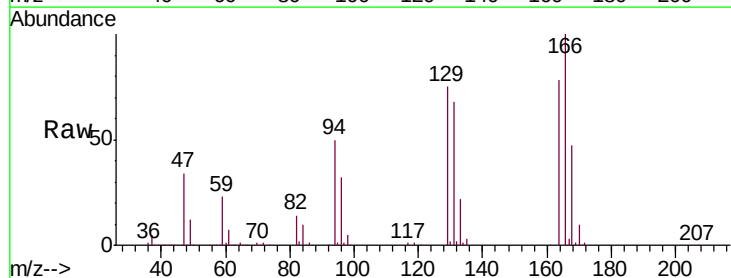
Ion Ratio Lower Upper

164 100

129 95.5 69.6 129.2

131 86.5 66.8 124.0

166 127.9 91.2 169.4

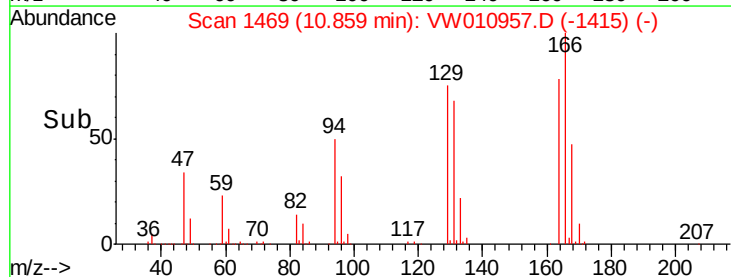
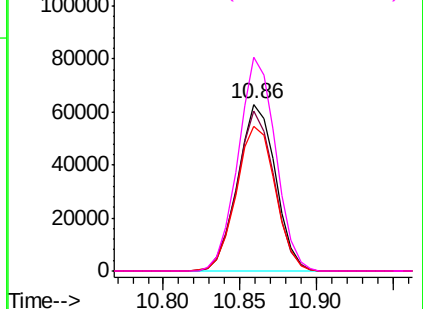


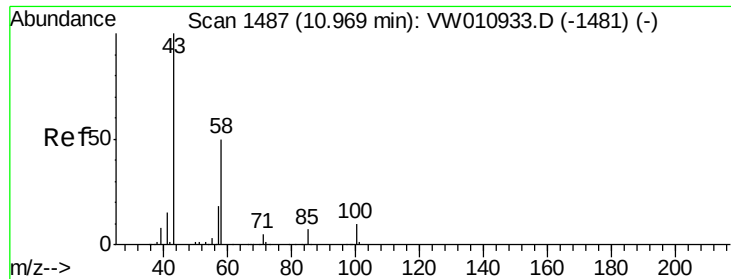
Abundance Ion 164.00 (163.70 to 164.70): V

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

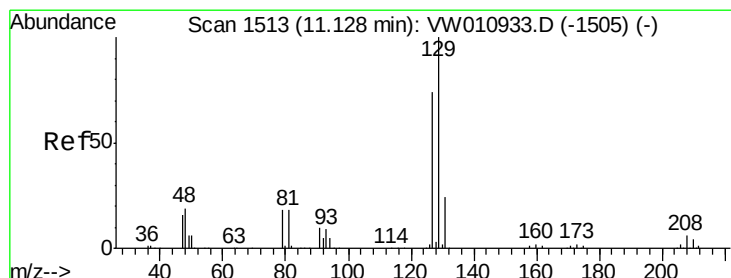
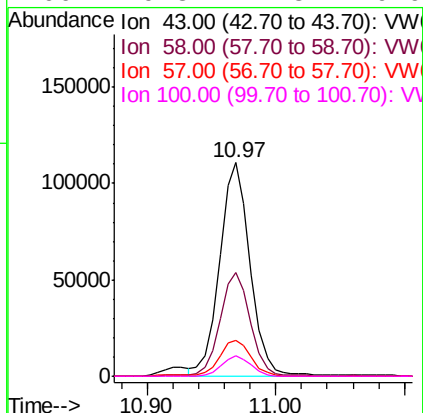
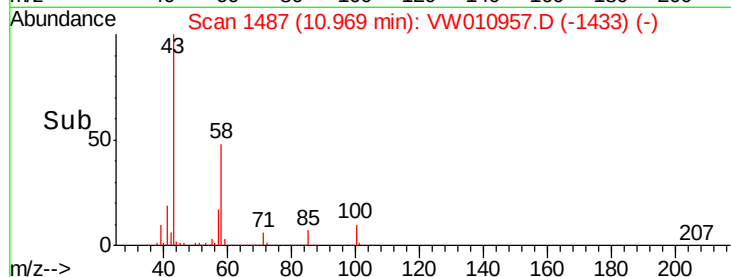
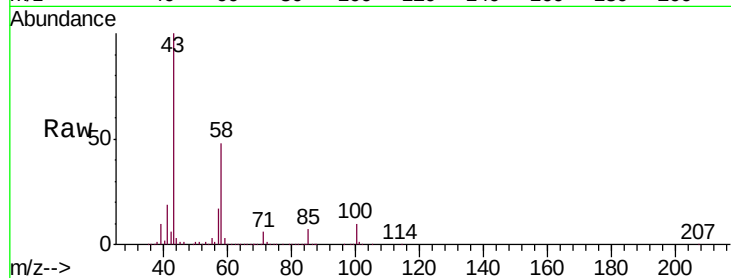




#49
2-Hexanone
Concen: 48.662 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

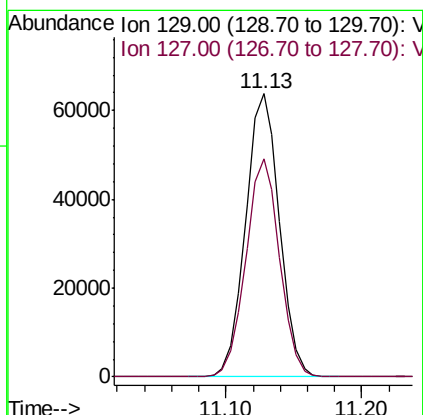
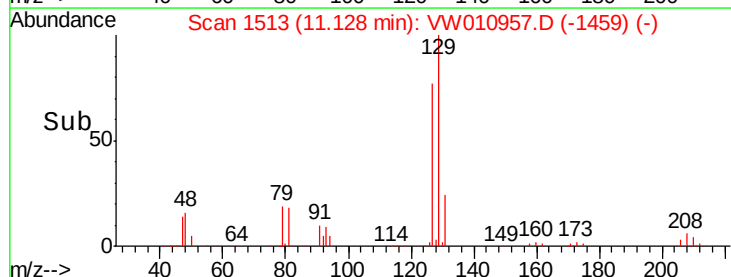
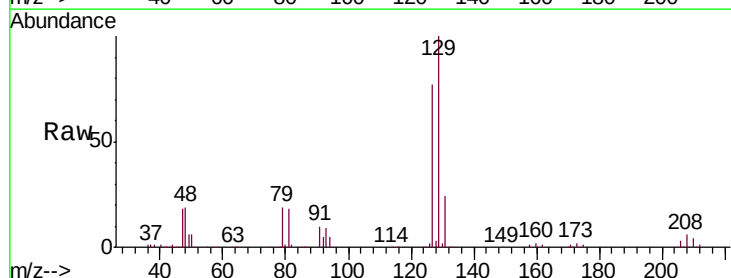
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

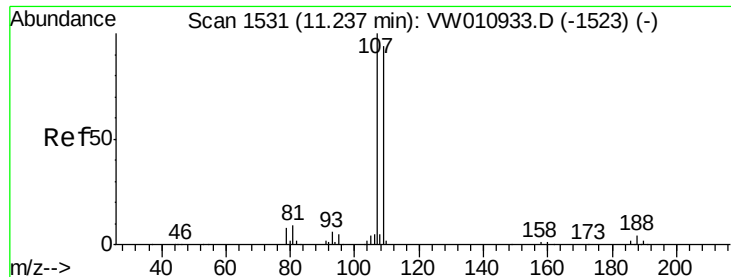
Tgt Ion: 43 Resp: 184268
Ion Ratio Lower Upper
43 100
58 47.5 38.3 57.5
57 17.2 13.8 20.8
100 9.3 7.3 10.9



#50
Dibromochloromethane
Concen: 25.648 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

Tgt Ion: 129 Resp: 111010
Ion Ratio Lower Upper
129 100
127 77.1 52.8 98.2

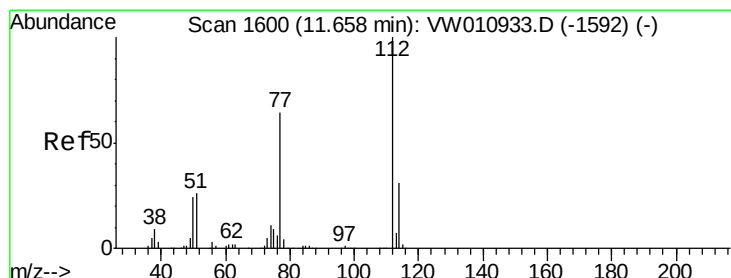
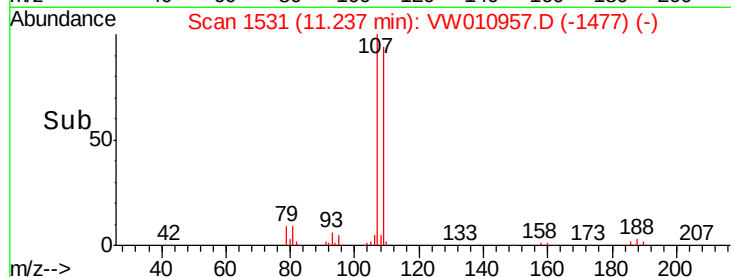
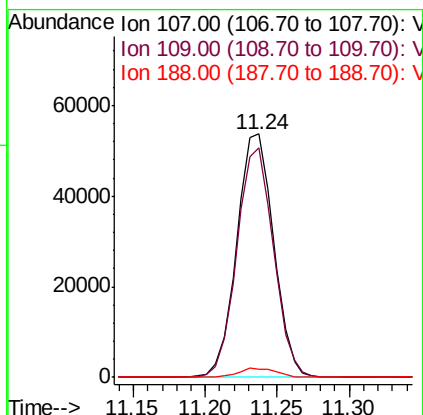
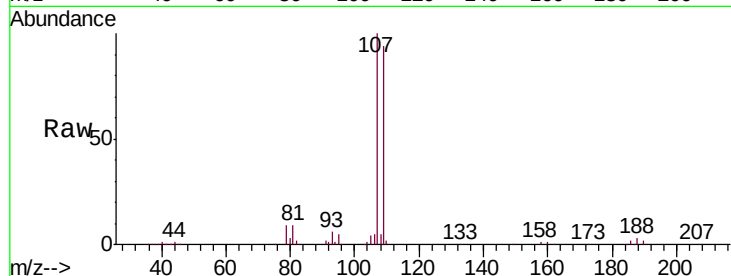




#51
 1,2-Dibromoethane
 Concen: 25.150 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

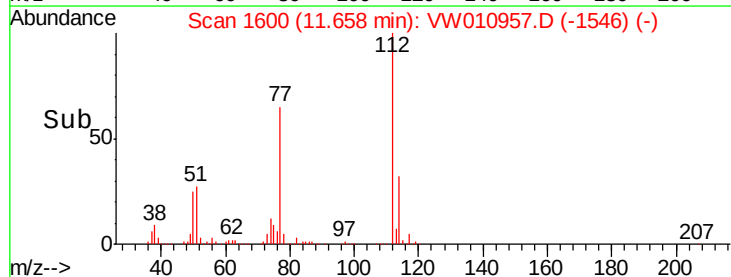
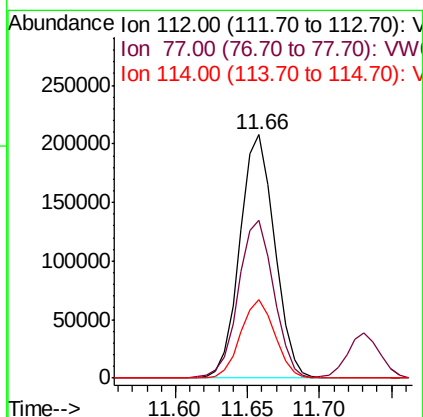
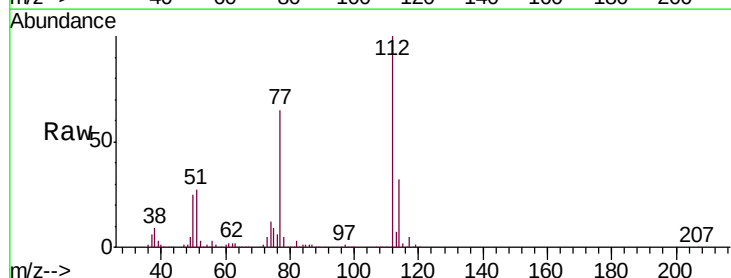
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

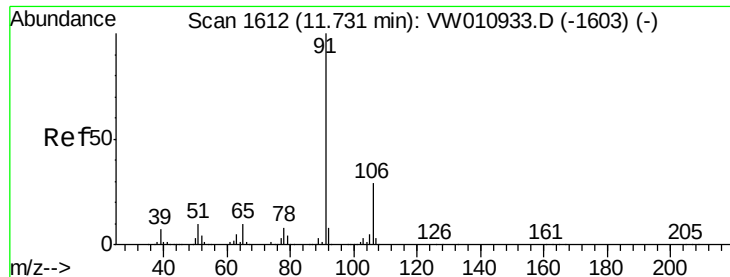
Tgt Ion:107 Resp: 95604
 Ion Ratio Lower Upper
 107 100
 109 94.1 65.5 121.7
 188 3.3 3.3 4.9



#52
 Chlorobenzene
 Concen: 26.481 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

Tgt Ion:112 Resp: 347230
 Ion Ratio Lower Upper
 112 100
 77 65.0 51.1 76.7
 114 32.4 22.7 42.1

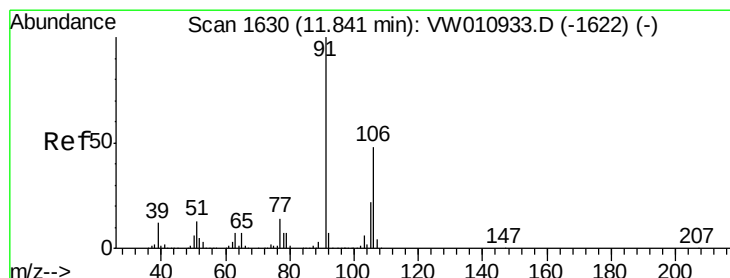
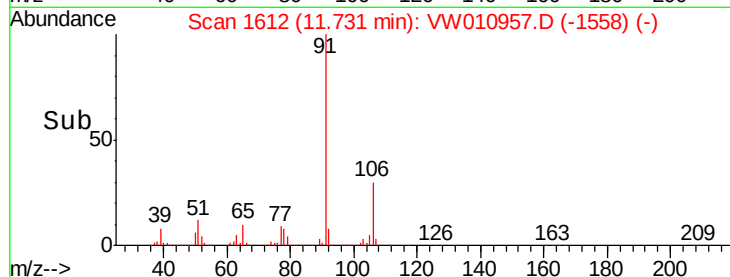
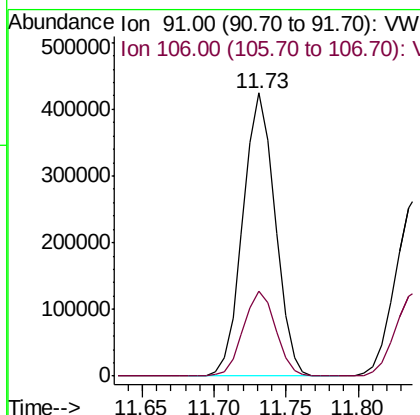
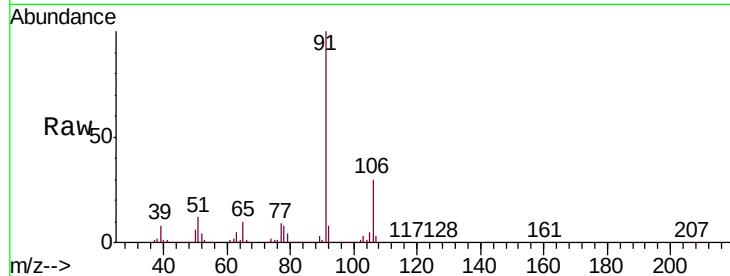




#53
Ethylbenzene
Concen: 26.850 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

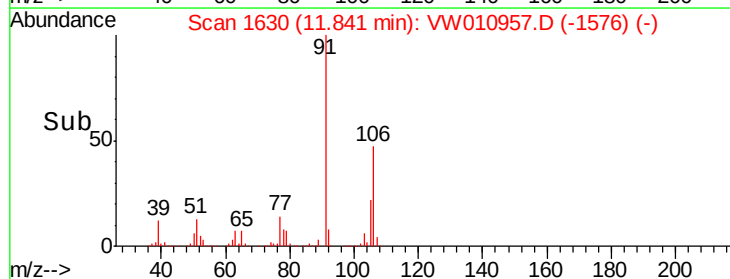
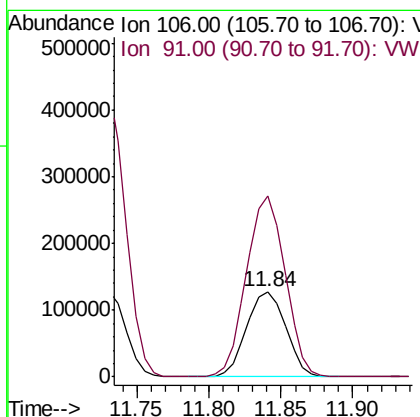
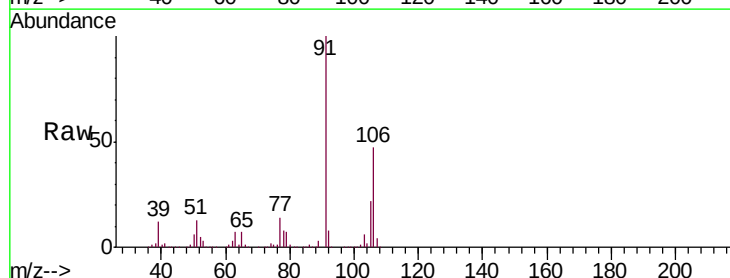
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

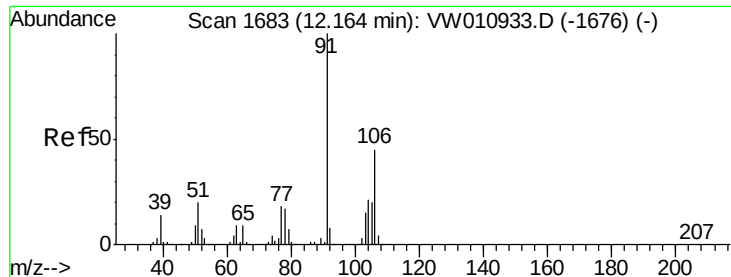
Tgt Ion: 91 Resp: 659157
Ion Ratio Lower Upper
91 100
106 29.8 20.9 38.7



#54
m,p-Xylene
Concen: 27.110 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

Tgt Ion: 106 Resp: 241510
Ion Ratio Lower Upper
106 100
91 212.0 146.5 272.1

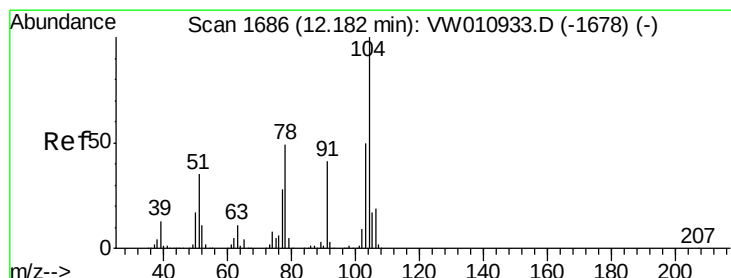
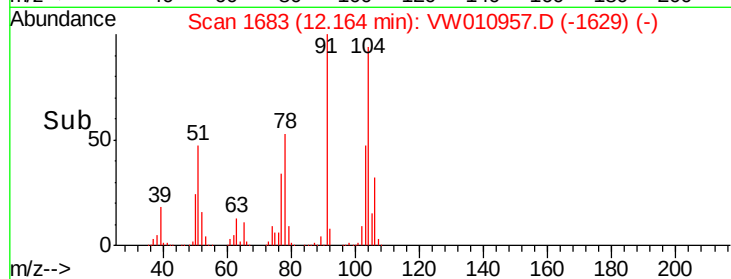
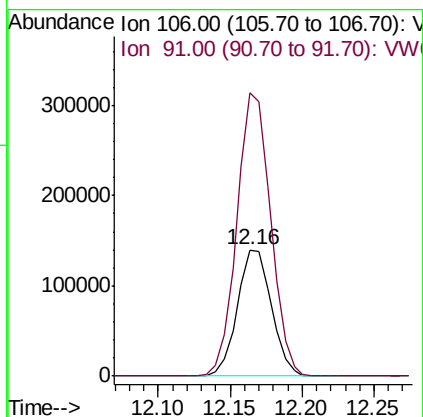
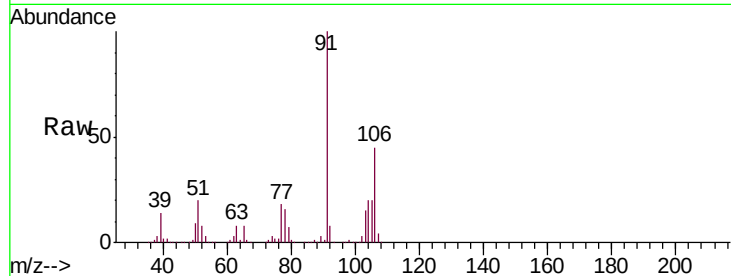




#55
o-xylene
Concen: 26.908 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

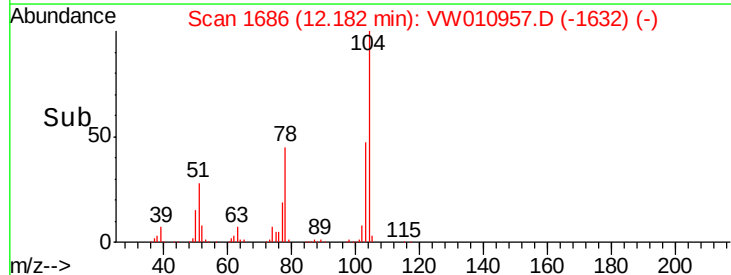
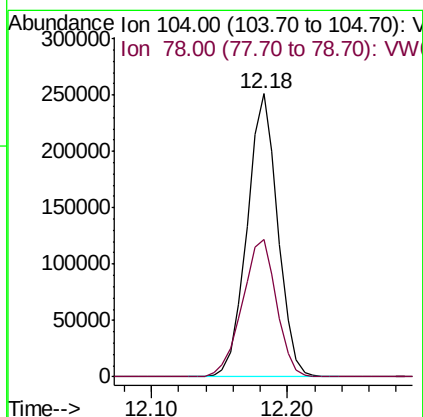
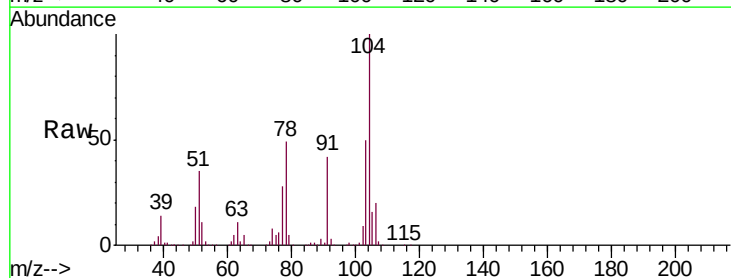
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

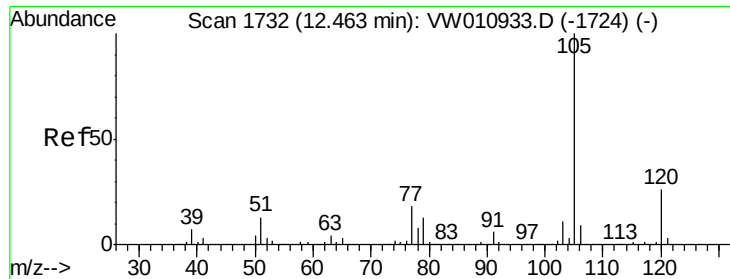
Tgt Ion:106 Resp: 230013
Ion Ratio Lower Upper
106 100
91 224.4 156.1 289.9



#56
Styrene
Concen: 26.880 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010957.D
Acq: 25 Jun 2019 09:10

Tgt Ion:104 Resp: 396239
Ion Ratio Lower Upper
104 100
78 48.6 34.4 64.0





#57

Isopropylbenzene

Concen: 27.226 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

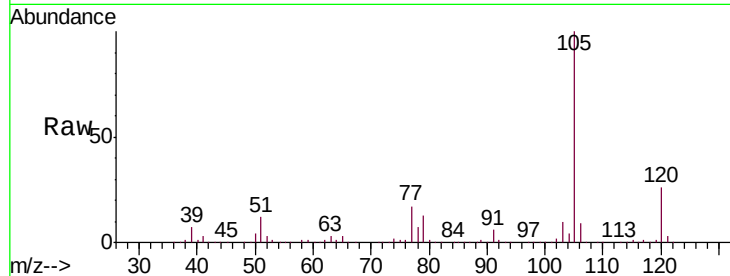
Tgt Ion: 105 Resp: 631395

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

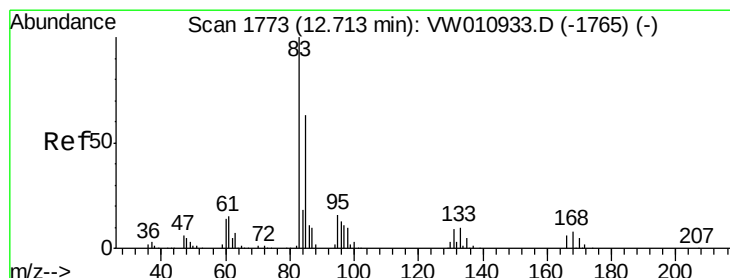
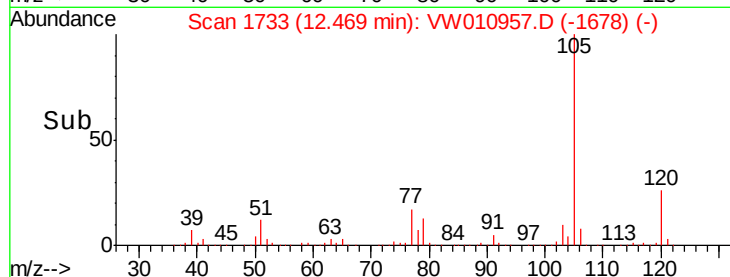
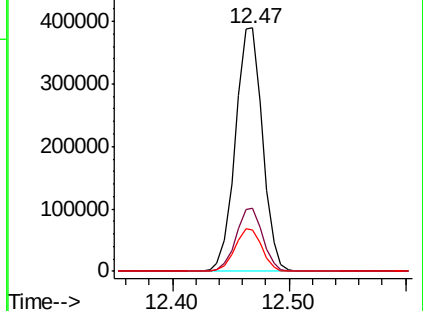
77 17.3 13.7 20.5



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: 25.220 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

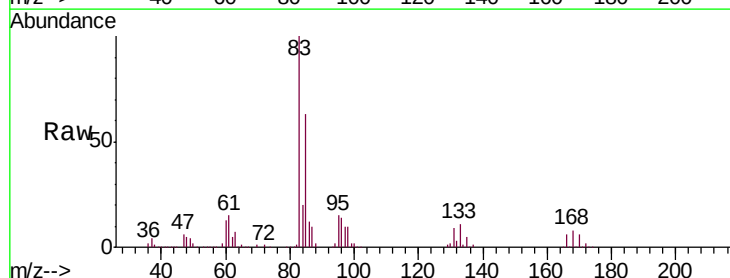
Tgt Ion: 83 Resp: 129623

Ion Ratio Lower Upper

83 100

85 63.1 44.0 81.6

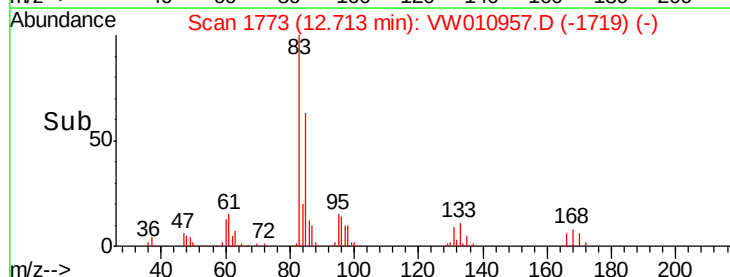
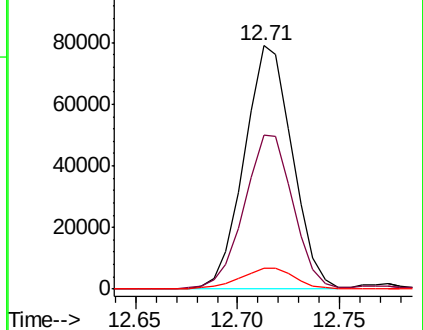
131 8.8 7.4 11.0

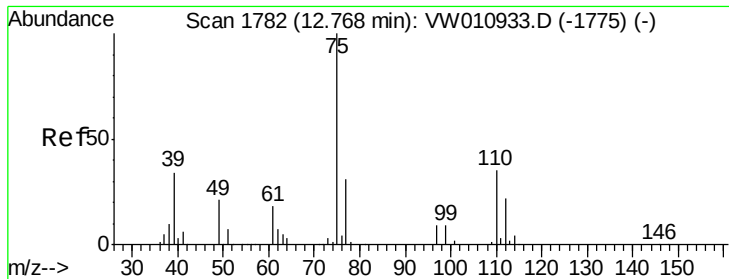


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.849 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

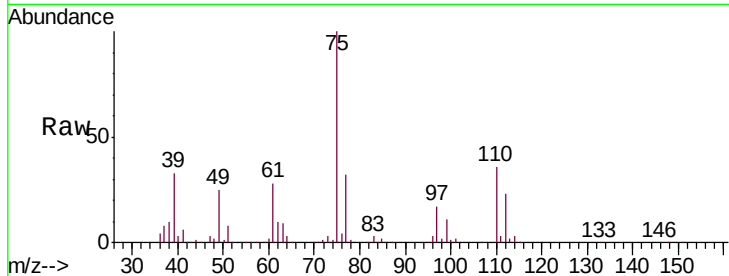
VSTD02529

Tgt Ion: 75 Resp: 99164

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

60000

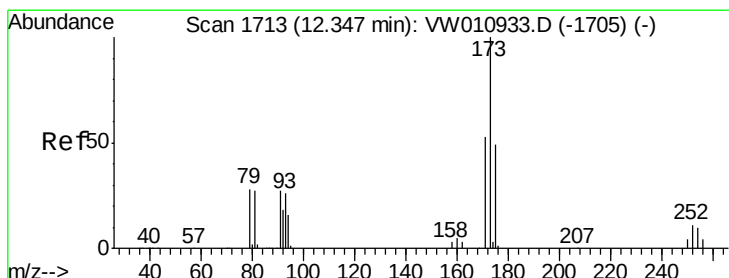
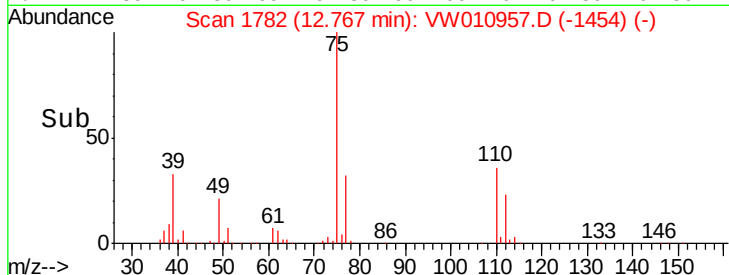
40000

20000

0

12.70 12.80

Time-->



#62

Bromoform

Concen: 25.027 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

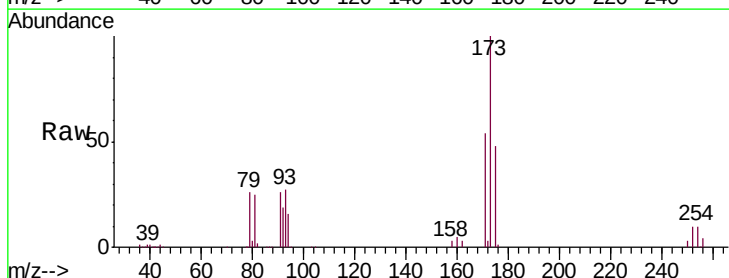
Tgt Ion: 173 Resp: 61807

Ion Ratio Lower Upper

173 100

175 48.2 40.1 60.1

254 10.4 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

40000

30000

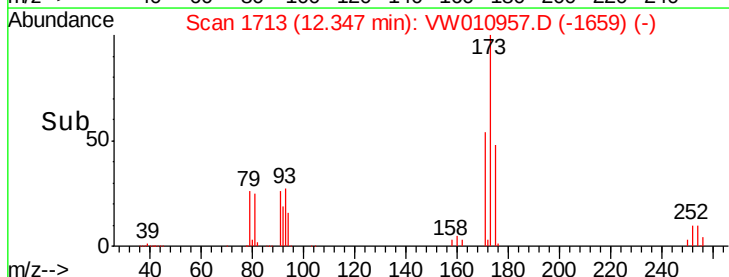
20000

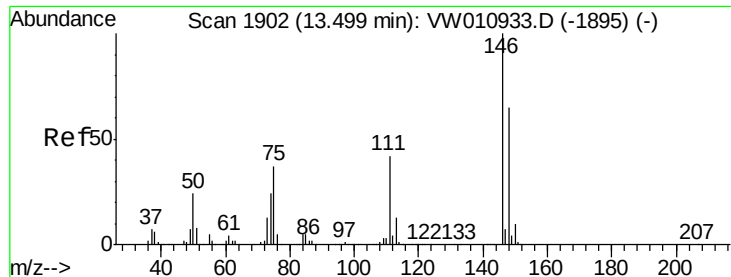
10000

0

12.30 12.35 12.40

Time-->

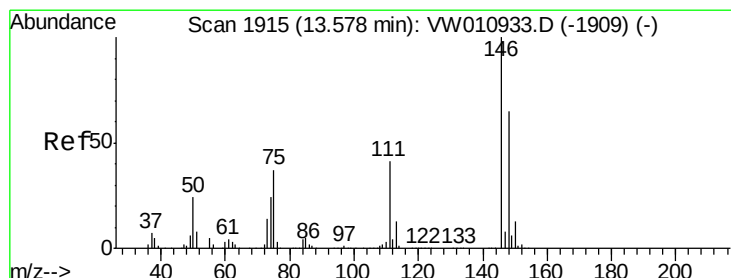
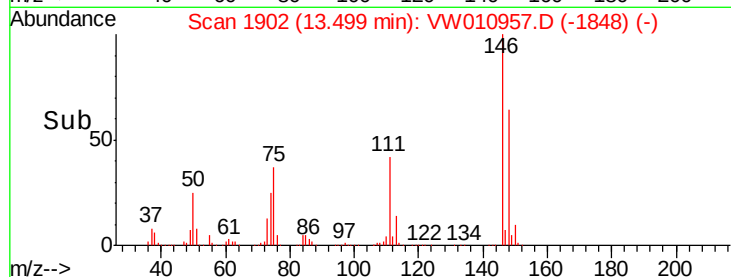
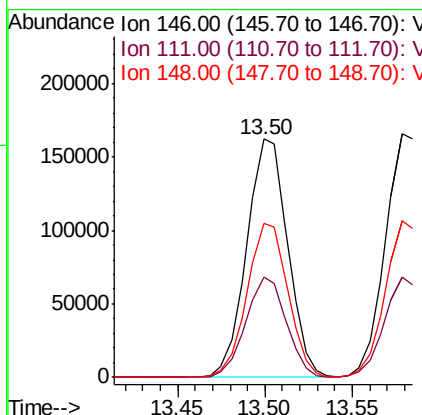
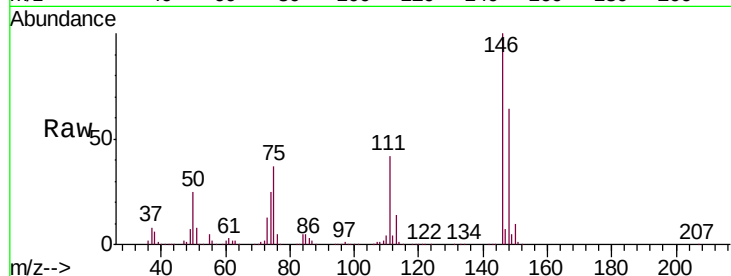




#63
 1,3-Dichlorobenzene
 Concen: 26.279 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

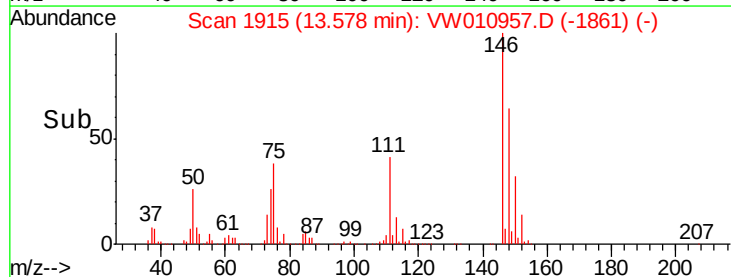
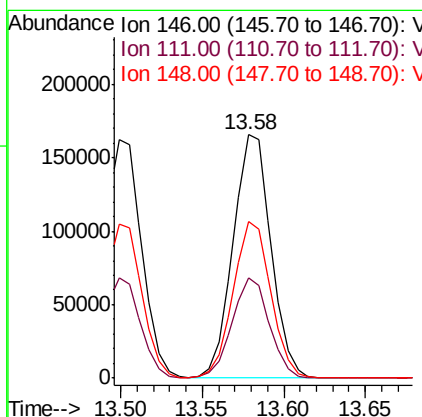
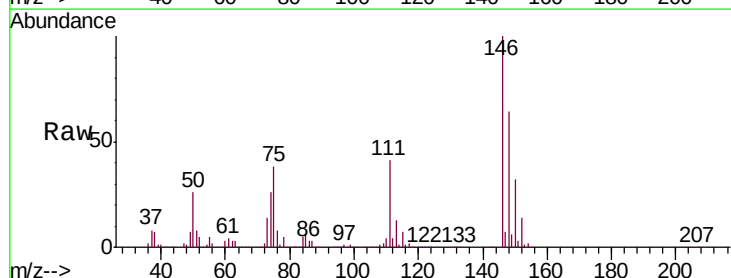
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

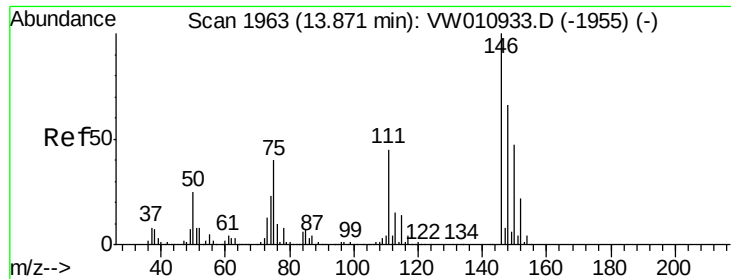
Tgt Ion:146 Resp: 263975
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.9 53.7
 148 64.4 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 26.585 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

Tgt Ion:146 Resp: 268253
 Ion Ratio Lower Upper
 146 100
 111 41.2 27.9 51.9
 148 64.1 46.0 85.4

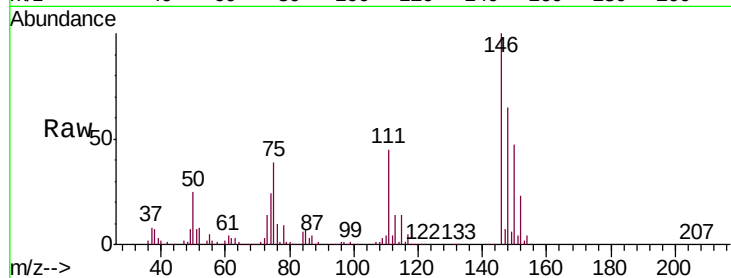




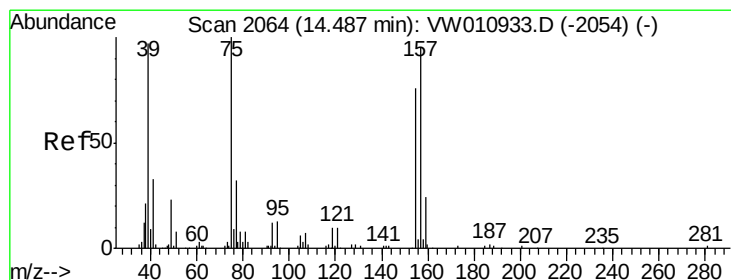
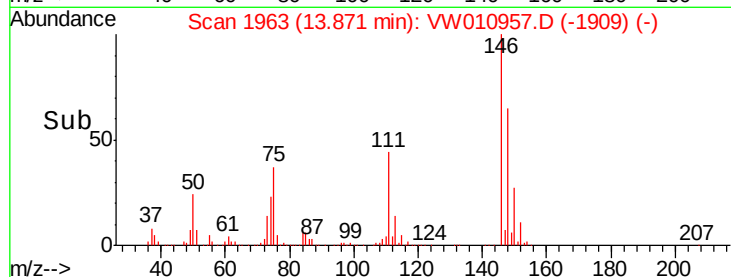
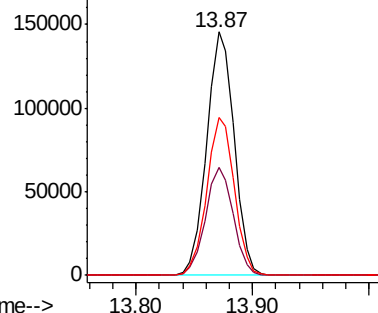
#65
 1,2-Dichlorobenzene
 Concen: 25.768 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tgt Ion:146 Resp: 239398
 Ion Ratio Lower Upper
 146 100
 111 44.6 34.6 51.8
 148 64.8 50.5 75.7

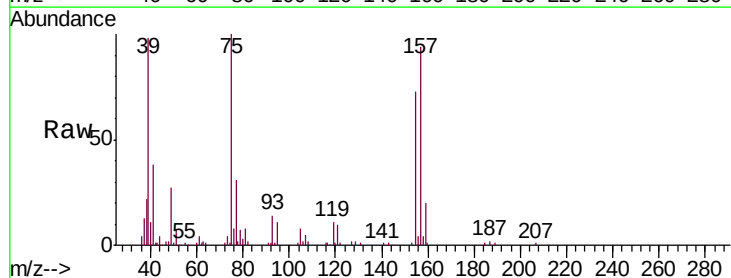


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

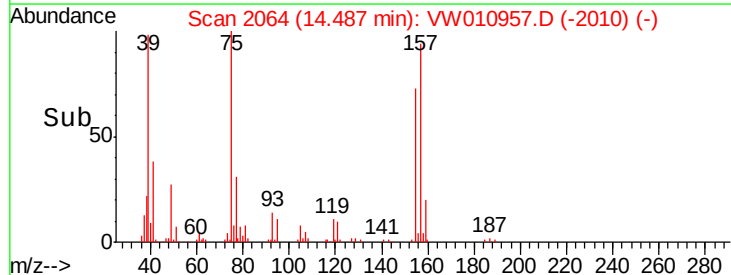
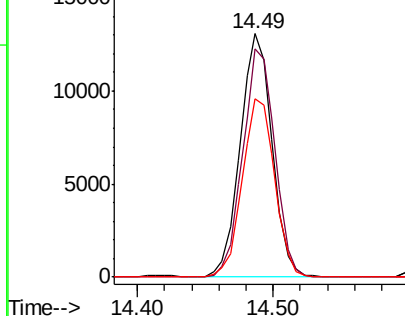


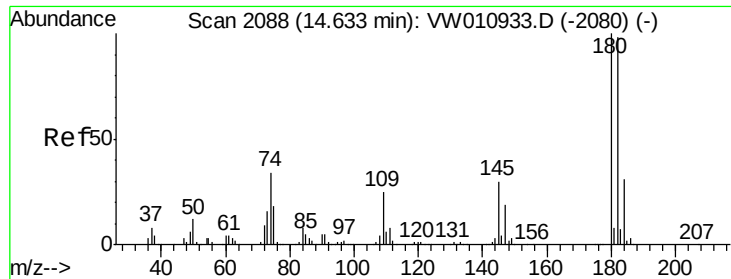
#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.399 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

Tgt Ion: 75 Resp: 21293
 Ion Ratio Lower Upper
 75 100
 157 93.5 71.8 107.8
 155 73.4 55.2 82.8



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

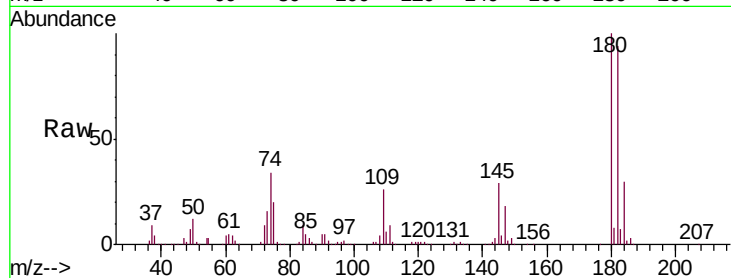




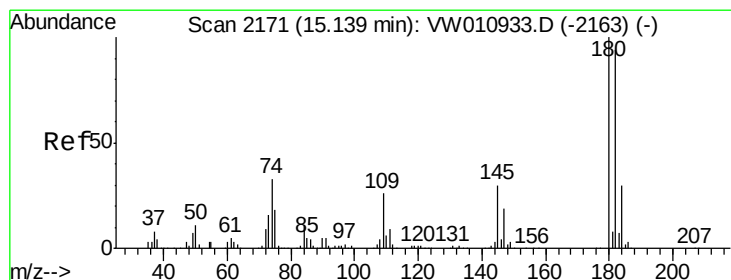
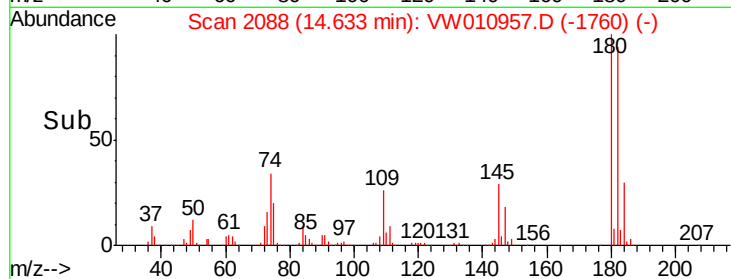
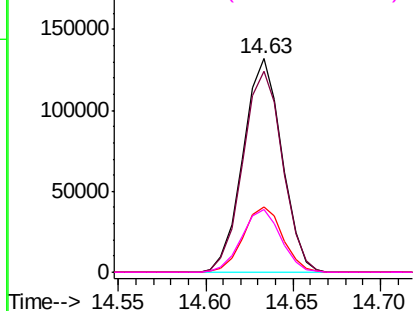
#67
 1,3,5-Trichlorobenzene
 Concen: 26.702 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tgt Ion:	180	Resp:	204151
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.2	114.2
184	30.8	24.3	36.5
145	29.4	24.2	36.2

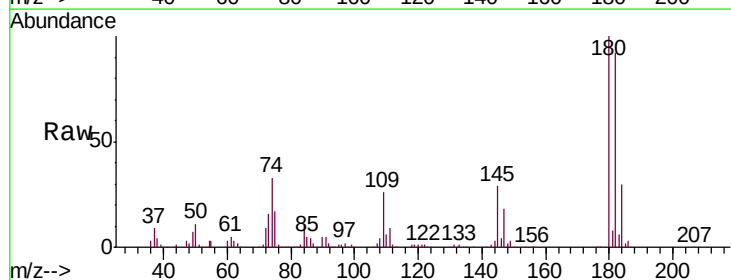


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

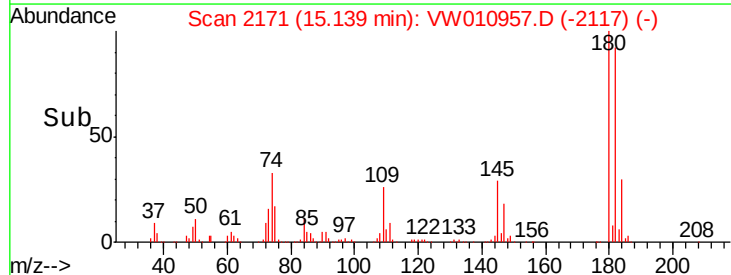
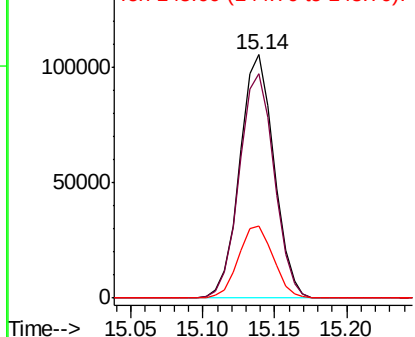


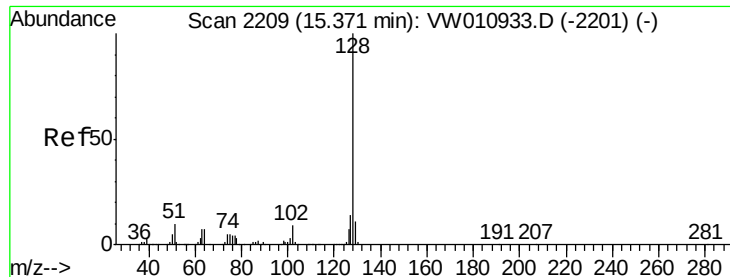
#68
 1,2,4-trichlorobenzene
 Concen: 26.763 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010957.D
 Acq: 25 Jun 2019 09:10

Tgt Ion:	180	Resp:	173420
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.1	114.1
145	30.2	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: 25.097 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

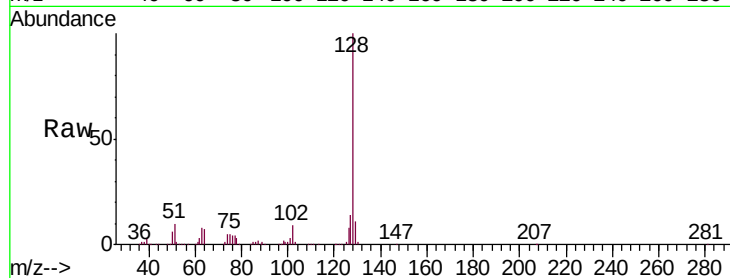
Tgt Ion:128 Resp: 347030

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

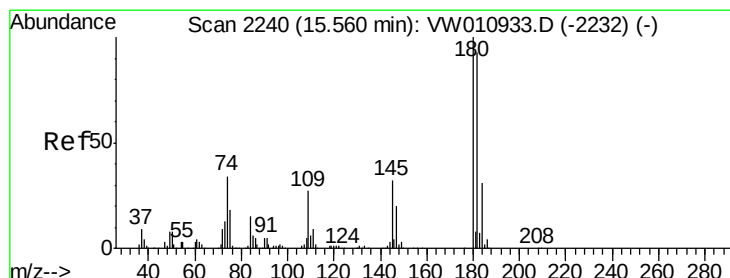
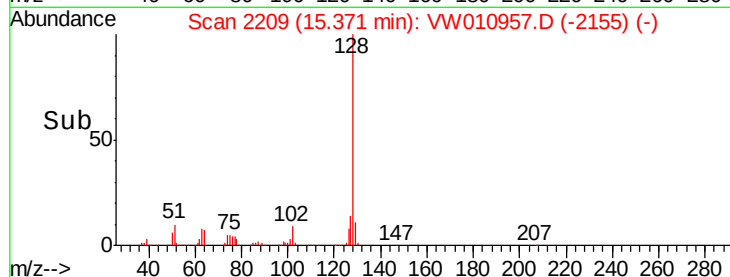
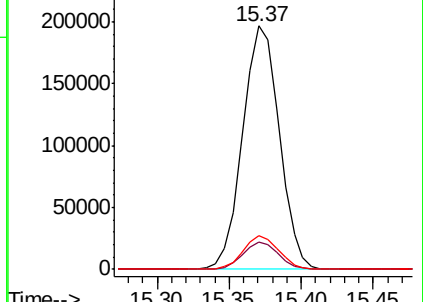
127 13.4 10.9 16.3



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: 26.047 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010957.D

Acq: 25 Jun 2019 09:10

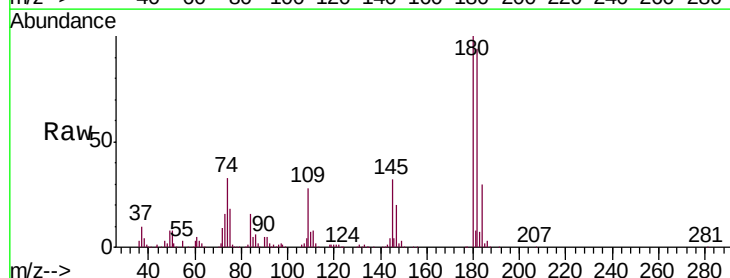
Tgt Ion:180 Resp: 153311

Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

145 32.3 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

