

Data File : VW011568.D
Acq On : 30 Jul 2019 10:22
Operator : SY/VA
Sample : VSTD02525
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Quant Time: Jul 30 11:14:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 30 09:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	331549	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	291892	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	140265	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	114749	25.93	ug/L	0.00
7) Chloroethane-d5	2.89	69	84236	26.12	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	270589	26.98	ug/L	0.00
20) 2-Butanone-d5	7.07	46	110417	58.58	ug/L	0.00
24) Chloroform-d	7.65	84	225791	26.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	134687	26.68	ug/L	0.00
29) Benzene-d6	8.27	84	456232	26.14	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	146930	25.97	ug/L	0.00
37) Toluene-d8	10.32	98	410453	26.23	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	65376	26.76	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	75466	61.54	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128640	28.46	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	132185	25.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	94229	23.298 ug/L	97
3) Chloromethane	2.21	50	113628	23.156 ug/L	98
5) Vinyl chloride	2.36	62	156954	27.158 ug/L	99
6) Bromomethane	2.78	94	73837	26.464 ug/L	98
8) Chloroethane	2.92	64	81705	26.549 ug/L	98
9) Trichlorofluoromethane	3.26	101	79512	28.927 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	121031	27.436 ug/L	97
12) 1,1-Dichloroethene	4.04	96	122722	27.868 ug/L	99
13) Acetone	4.12	43	122644	61.505 ug/L	96
14) Carbon disulfide	4.39	76	401956	28.152 ug/L	99
15) Methyl Acetate	4.67	43	100668	32.878 ug/L	99
16) Methylene chloride	4.92	84	127336	26.384 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	208163	29.899 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	126687	27.897 ug/L	97
19) 1,1-Dichloroethane	6.21	63	250970	27.823 ug/L	98
21) 2-Butanone	7.17	43	161126	62.876 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	131451	27.325 ug/L	97
23) Bromochloromethane	7.51	128	56939	28.319 ug/L	99
25) Chloroform	7.67	83	232073	27.929 ug/L	100
27) 1,2-Dichloroethane	8.40	62	172812	28.534 ug/L	100
30) Cyclohexane	7.96	56	269017	28.294 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	184415	28.382 ug/L	98
32) Carbon tetrachloride	8.07	117	175092	28.997 ug/L	100
34) Benzene	8.32	78	529261	27.932 ug/L	100
35) Trichloroethene	9.09	95	133911	27.806 ug/L	99
36) Methylcyclohexane	9.34	83	250968	28.659 ug/L	99
40) 1,2-Dichloropropane	9.37	63	141606	27.817 ug/L	100
41) Bromodichloromethane	9.65	83	167003	28.058 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	214297	28.020 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	276883	63.534 ug/L	100

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Instrument :
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ClientSampleId :
VSTD02501

Quant Time: Jul 30 11:14:14 2019
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Quant Title : VOC Analysis
QLast Update : Tue Jul 30 09:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	547582	28.175	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	178964	28.473	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96983	28.461	ug/L	99
47) Tetrachloroethene	10.87	164	103713	28.070	ug/L	94
49) 2-Hexanone	10.97	43	216004	65.663	ug/L	98
50) Dibromochloromethane	11.13	129	108465	28.756	ug/L	98
51) 1,2-Dibromoethane	11.24	107	95916	29.106	ug/L	99
52) Chlorobenzene	11.66	112	322653	27.529	ug/L	98
53) Ethylbenzene	11.73	91	608219	27.807	ug/L	99
54) m,p-Xylene	11.84	106	221511	27.652	ug/L	95
55) o-xylene	12.16	106	209493	27.747	ug/L	98
56) Styrene	12.18	104	357351	28.135	ug/L	99
57) Isopropylbenzene	12.46	105	579651	28.186	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	134594	30.407	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	104085	30.777	ug/L	98
62) Bromoform	12.35	173	65877	29.673	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	245815	27.675	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	245416	27.203	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	224379	27.455	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24093	30.928	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	183985	27.154	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	150364	26.777	ug/L	99
69) Naphthalene	15.37	128	321888	28.160	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	140290	27.577	ug/L	99

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

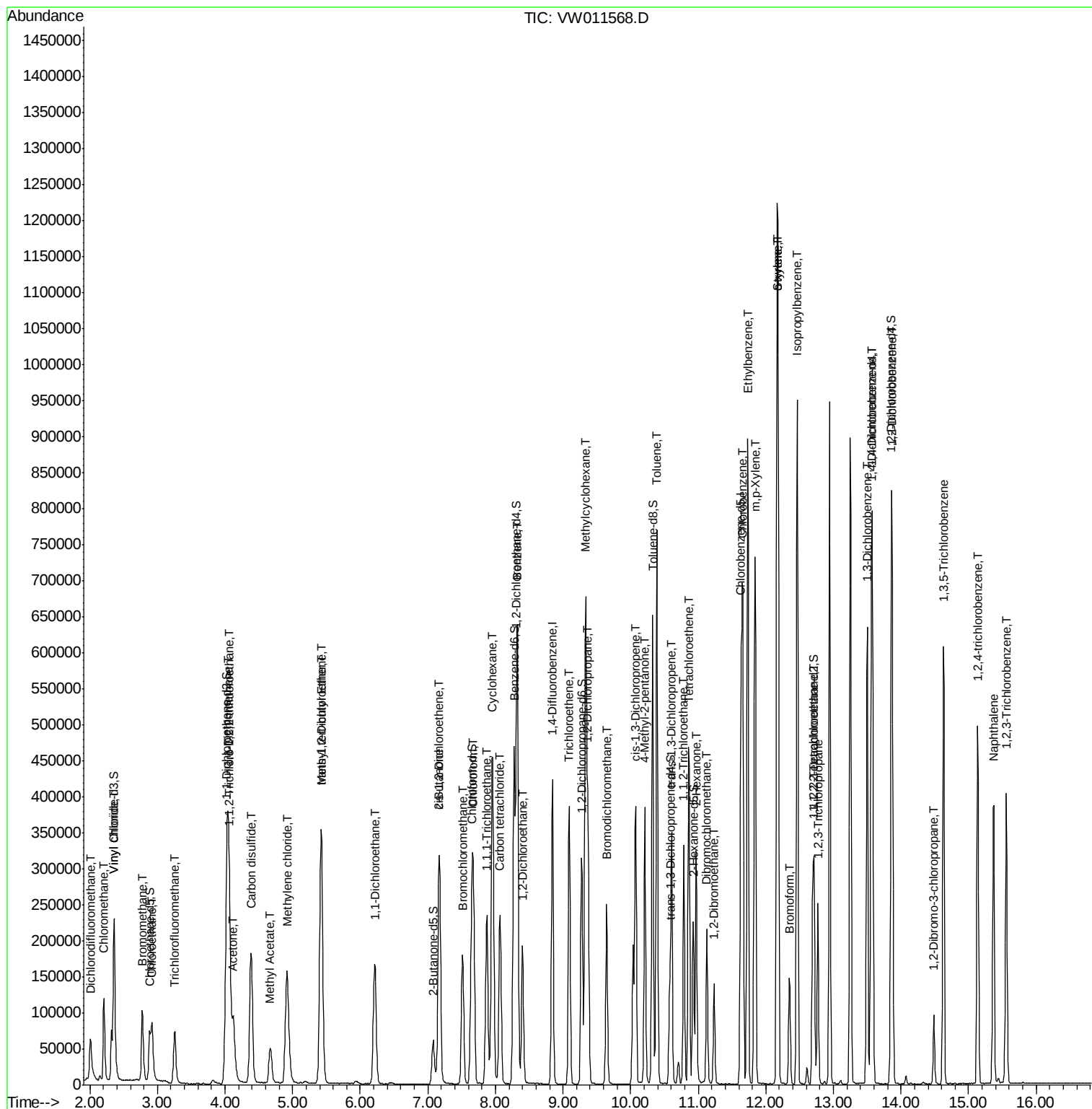
Quant Time: Jul 30 11:14:14 2019

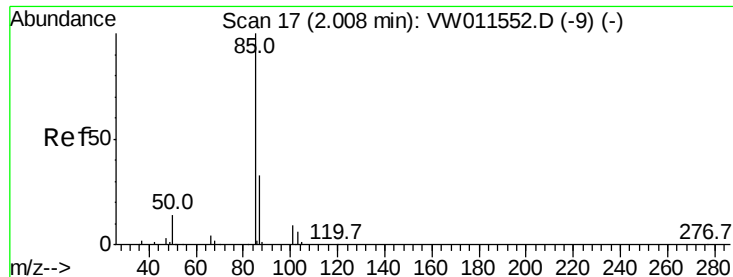
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M

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#2

Dichlorodifluoromethane

Concen: 23.298 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

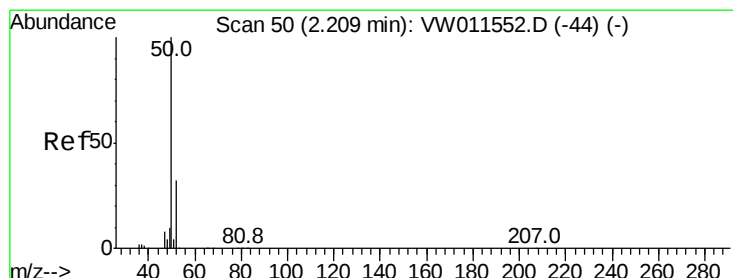
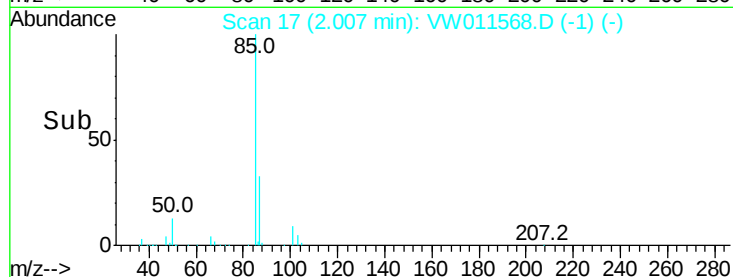
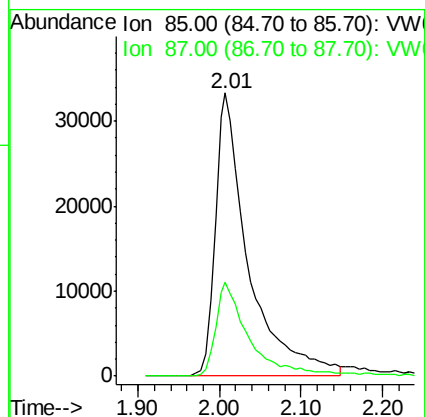
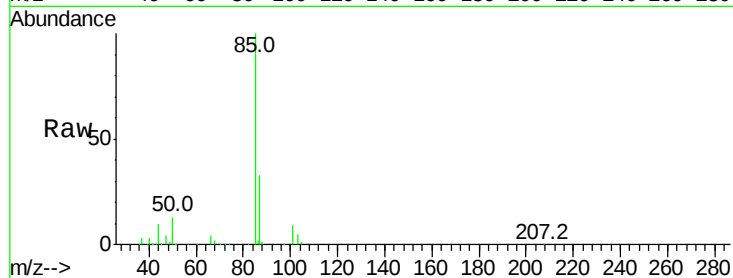
VSTD02501

Tgt Ion: 85 Resp: 94229

Ion Ratio Lower Upper

85 100

87 31.2 20.6 38.2



#3

Chloromethane

Concen: 23.156 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011568.D

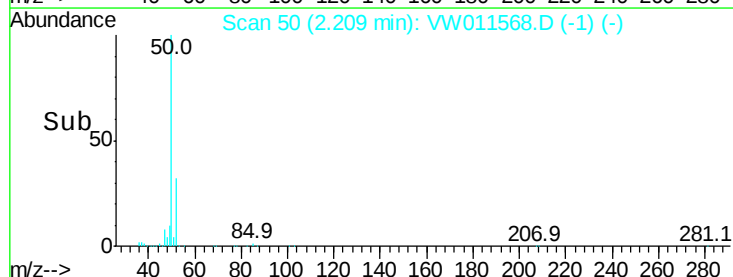
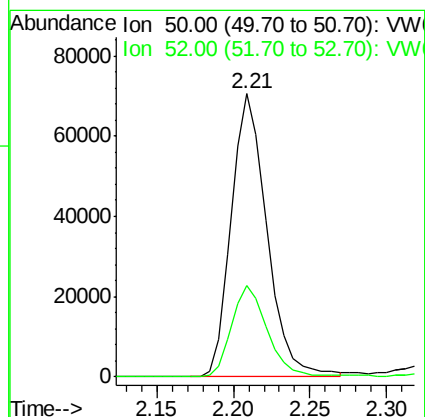
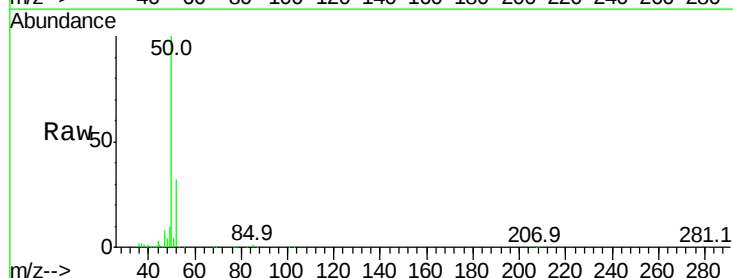
Acq: 30 Jul 2019 10:22

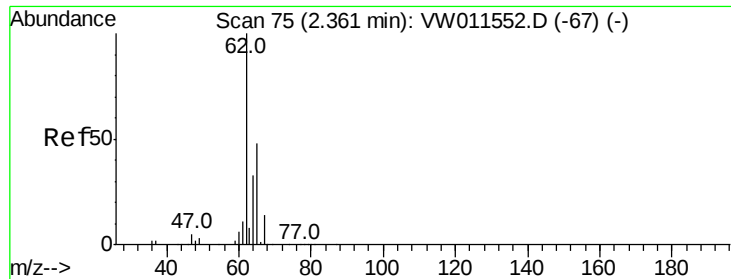
Tgt Ion: 50 Resp: 113628

Ion Ratio Lower Upper

50 100

52 32.4 22.0 41.0





#5

Vinyl chloride

Concen: 27.158 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

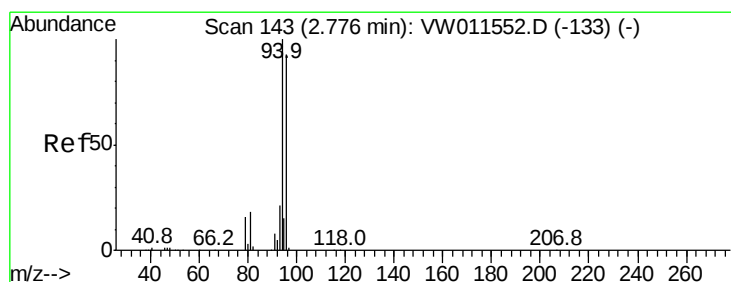
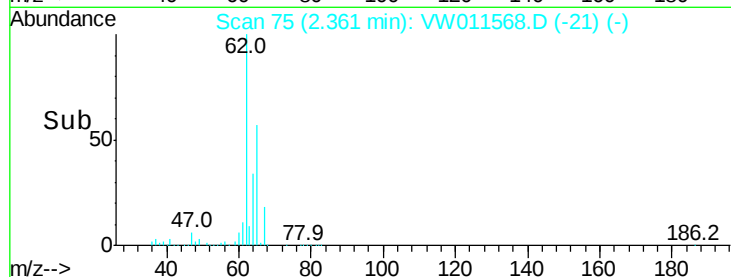
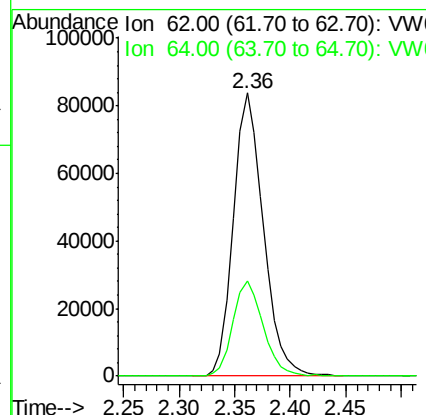
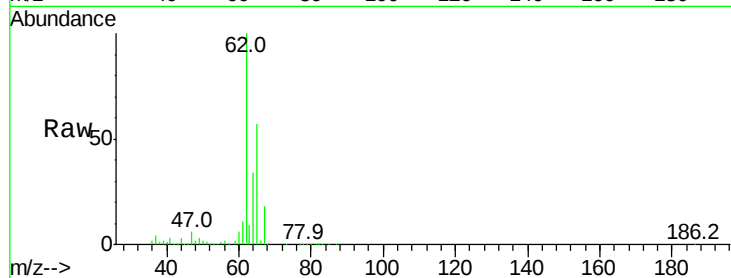
VSTD02501

Tgt Ion: 62 Resp: 156954

Ion Ratio Lower Upper

62 100

64 33.7 23.3 43.3



#6

Bromomethane

Concen: 26.464 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011568.D

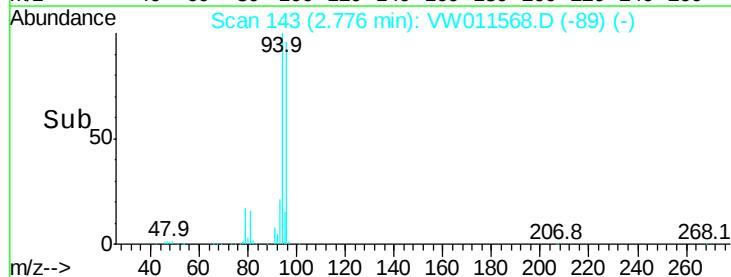
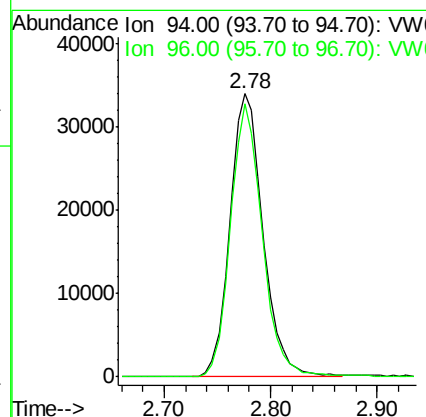
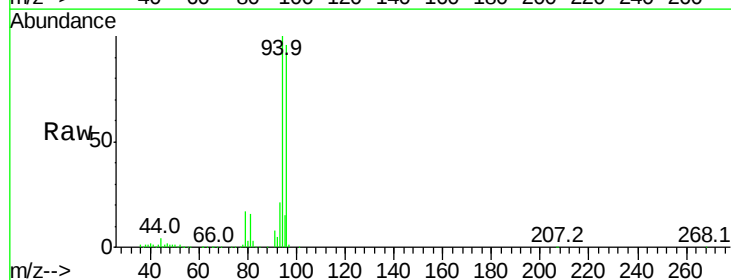
Acq: 30 Jul 2019 10:22

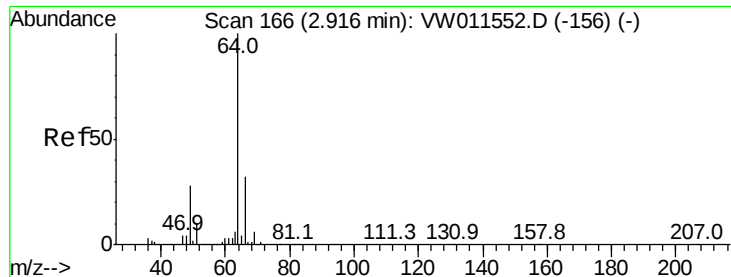
Tgt Ion: 94 Resp: 73837

Ion Ratio Lower Upper

94 100

96 92.6 9.4 178.8





#8

Chloroethane

Concen: 26.549 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

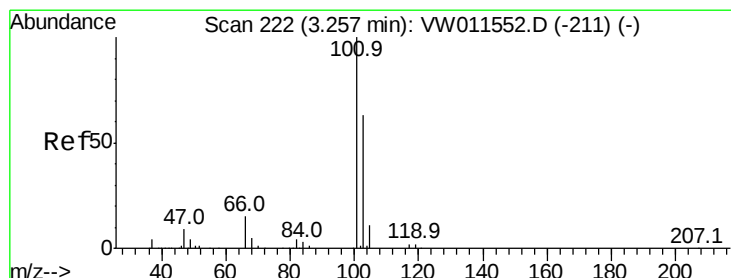
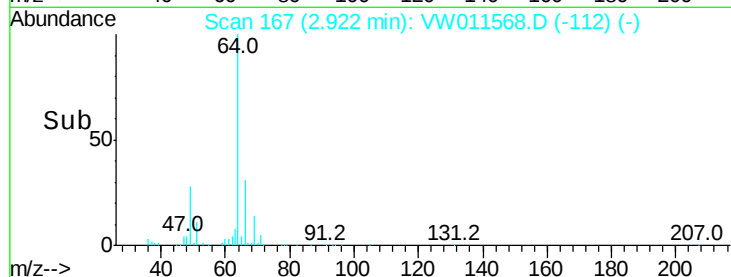
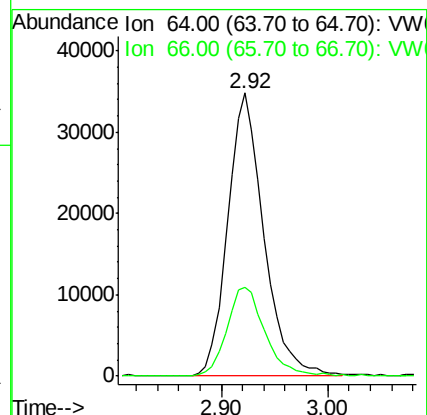
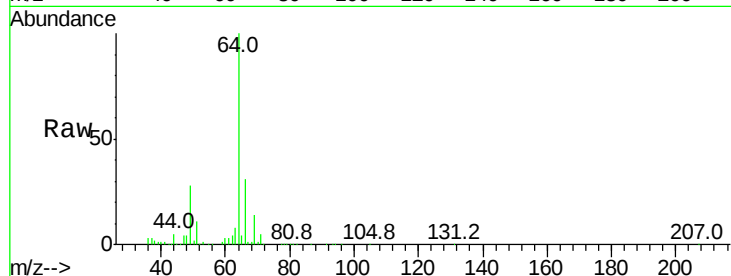
VSTD02501

Tgt Ion: 64 Resp: 81705

Ion Ratio Lower Upper

64 100

66 31.4 22.7 42.3



#9

Trichlorofluoromethane

Concen: 28.927 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW011568.D

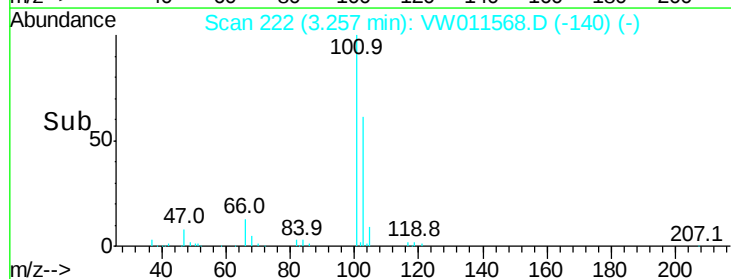
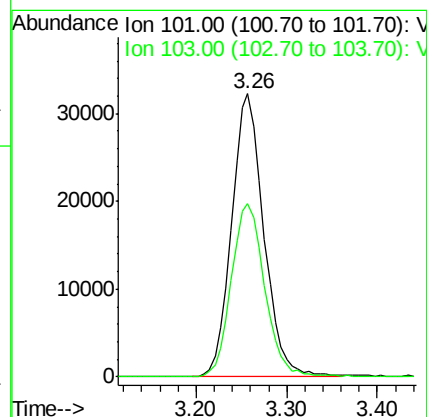
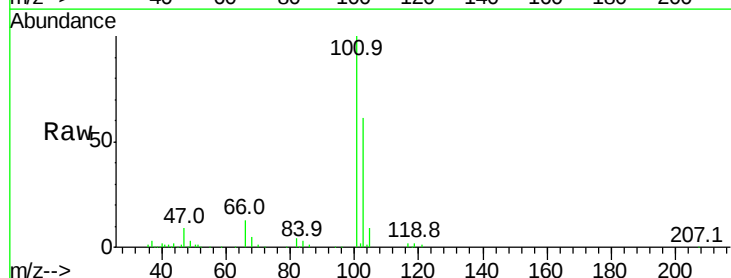
Acq: 30 Jul 2019 10:22

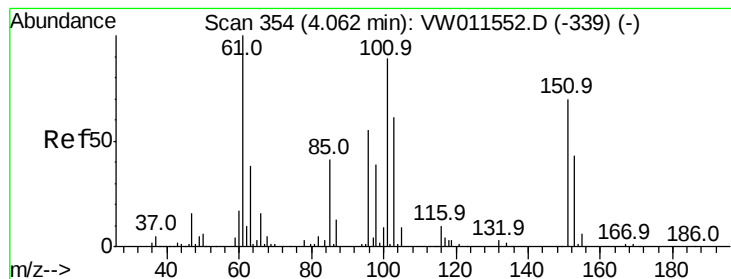
Tgt Ion: 101 Resp: 79512

Ion Ratio Lower Upper

101 100

103 63.3 45.2 84.0





#11

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

Concen: 27.436 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

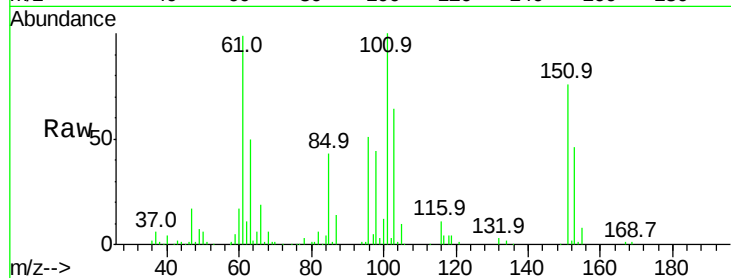
Tgt Ion: 101 Resp: 121031

Ion Ratio Lower Upper

101 100

85 46.2 35.2 52.8

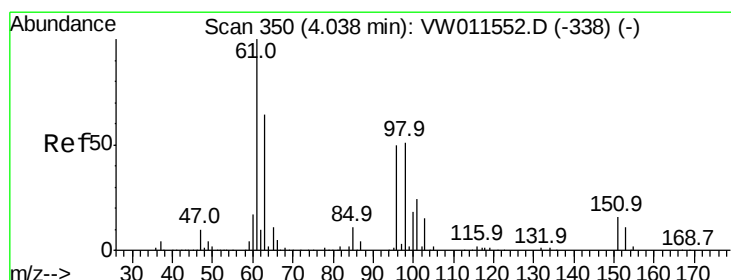
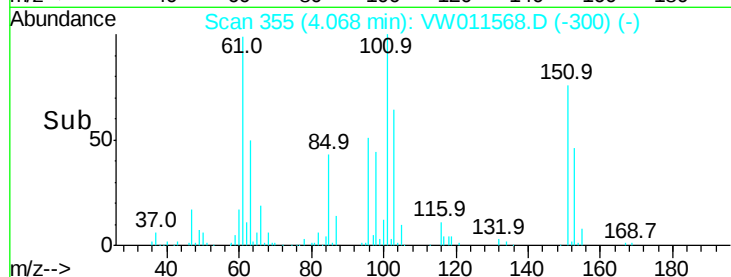
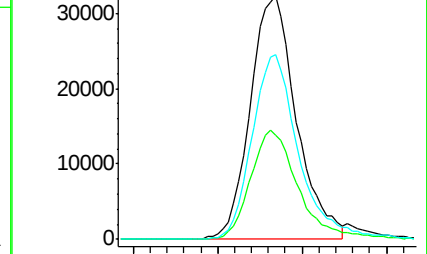
151 76.0 58.6 87.8



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: 27.868 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

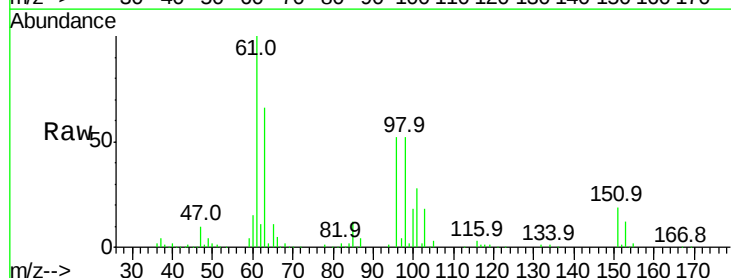
Tgt Ion: 96 Resp: 122722

Ion Ratio Lower Upper

96 100

61 192.9 133.2 247.4

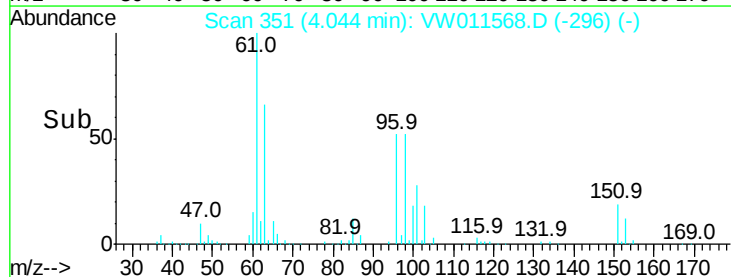
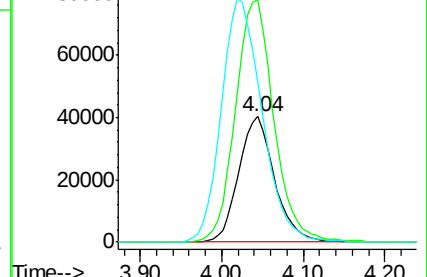
63 127.5 89.9 166.9

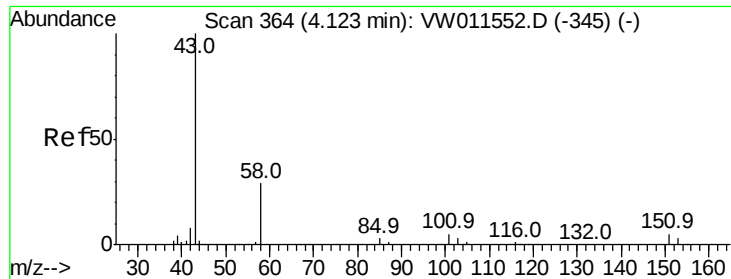


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 61.505 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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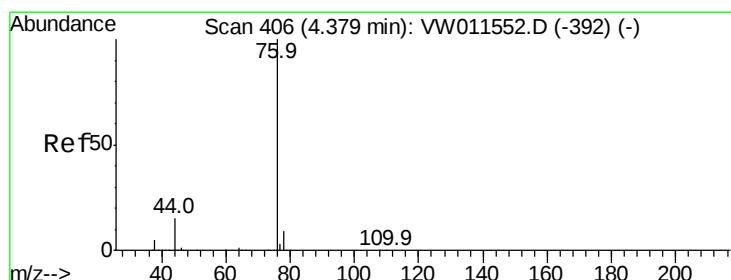
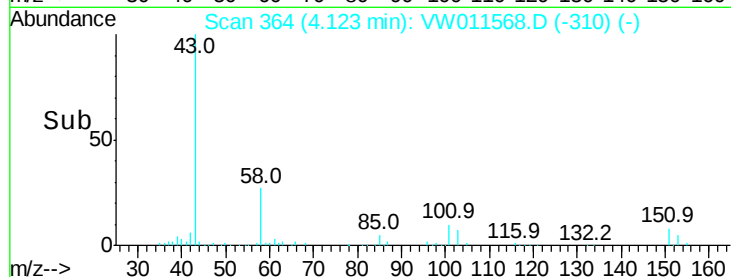
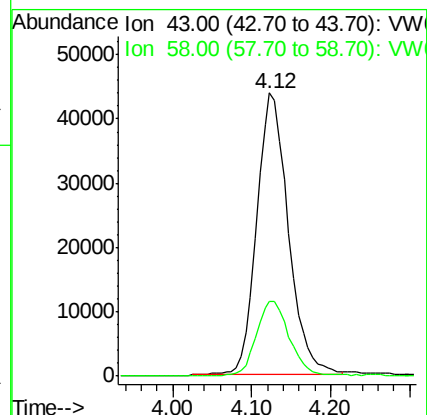
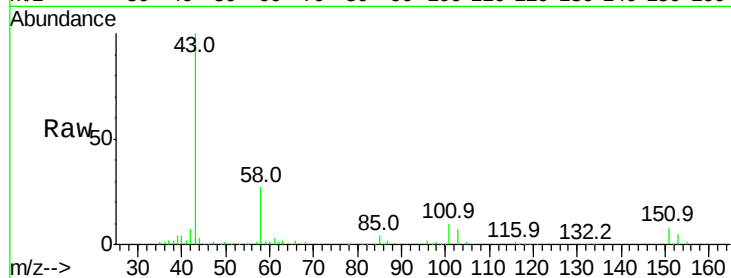
VSTD02501

Tgt Ion: 43 Resp: 122644

Ion Ratio Lower Upper

43 100

58 26.7 0.0 57.2



#14

Carbon disulfide

Concen: 28.152 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW011568.D

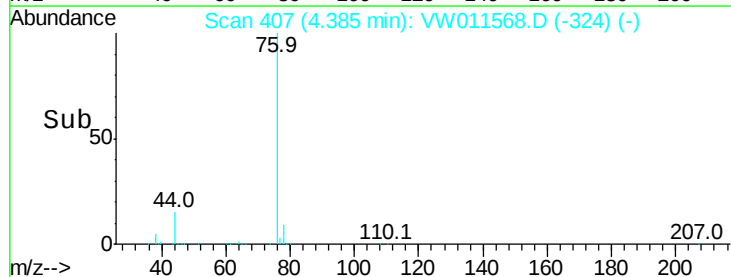
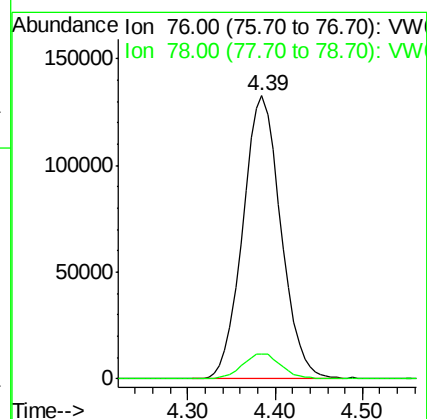
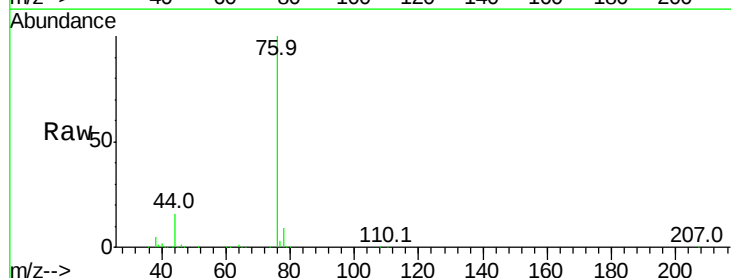
Acq: 30 Jul 2019 10:22

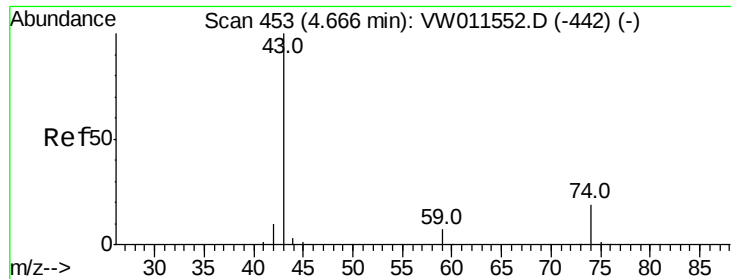
Tgt Ion: 76 Resp: 401956

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

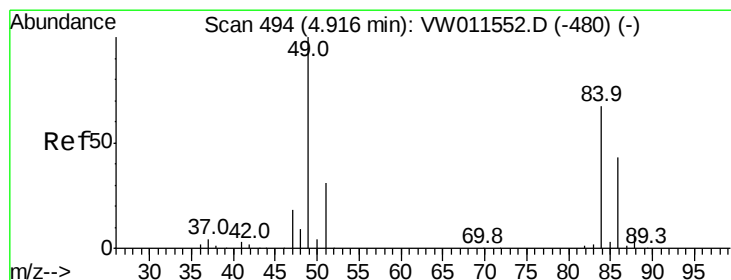
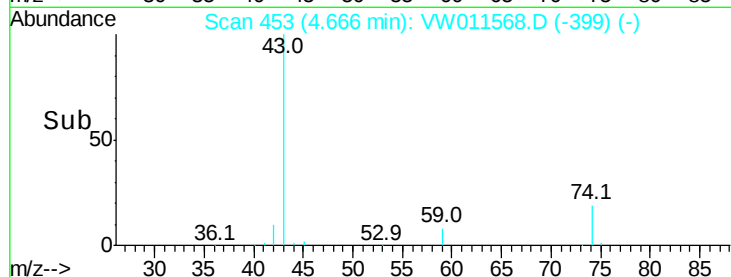
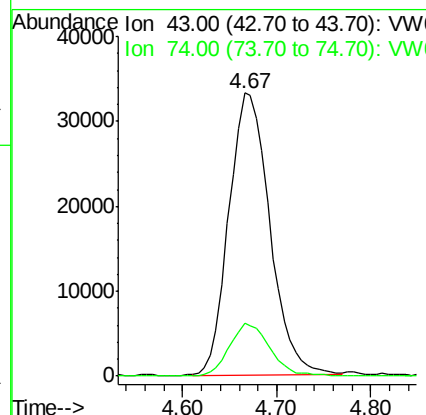
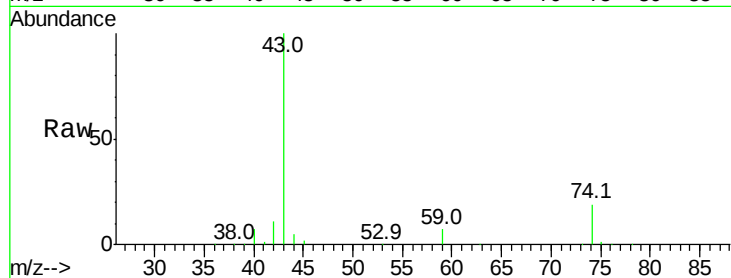




#15
Methyl Acetate
Concen: 32.878 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011568.D
Acq: 30 Jul 2019 10:22

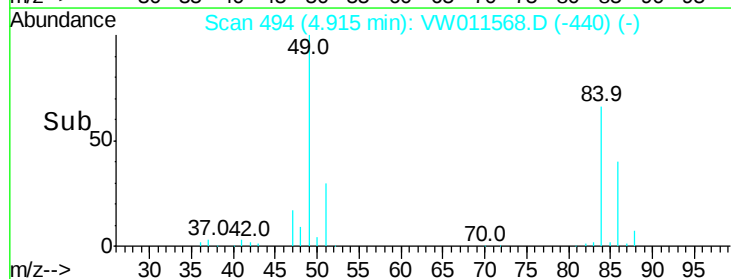
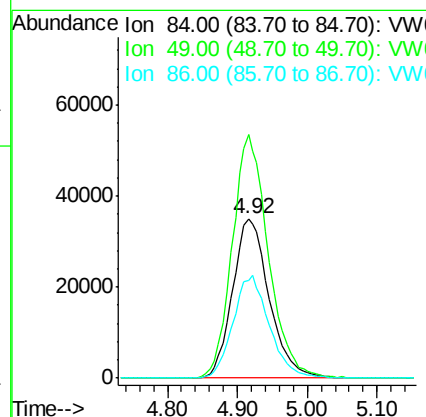
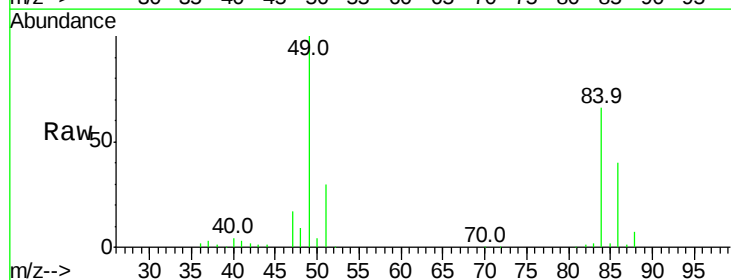
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

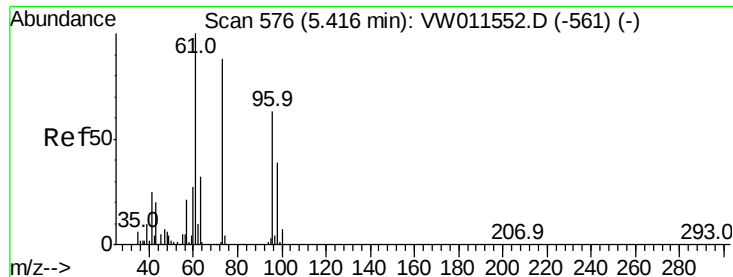
Tgt Ion: 43 Resp: 100668
Ion Ratio Lower Upper
43 100
74 18.7 15.2 22.8



#16
Methylene chloride
Concen: 26.384 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011568.D
Acq: 30 Jul 2019 10:22

Tgt Ion: 84 Resp: 127336
Ion Ratio Lower Upper
84 100
49 152.6 104.0 193.2
86 61.1 44.0 81.8





#17

Methyl tert-butyl Ether

Concen: 29.899 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

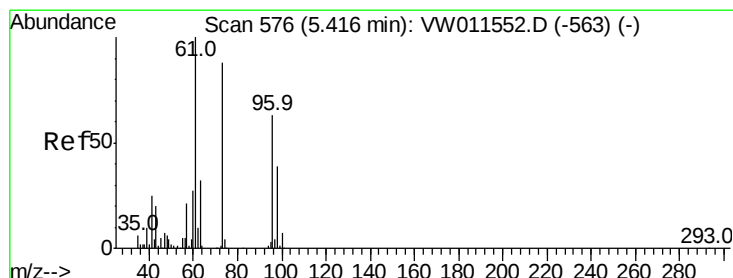
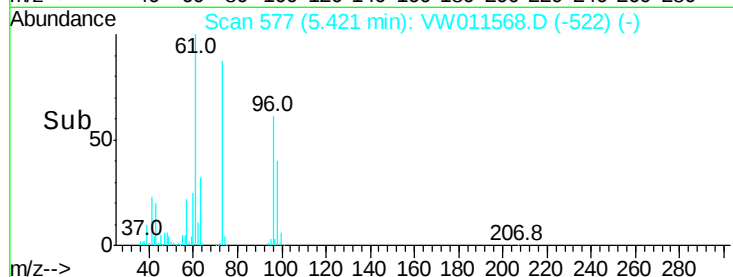
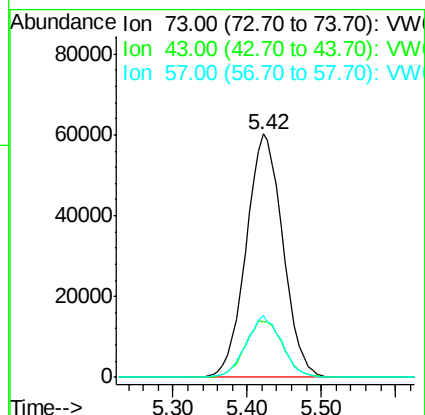
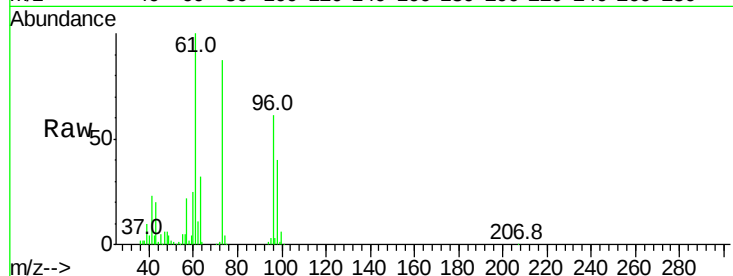
Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Tgt Ion: 73 Resp: 208163

Ion	Ratio	Lower	Upper
73	100		
43	24.1	19.0	28.4
57	24.6	19.8	29.6



#18

trans-1,2-Dichloroethene

Concen: 27.897 ug/L

RT: 5.42 min Scan# 577

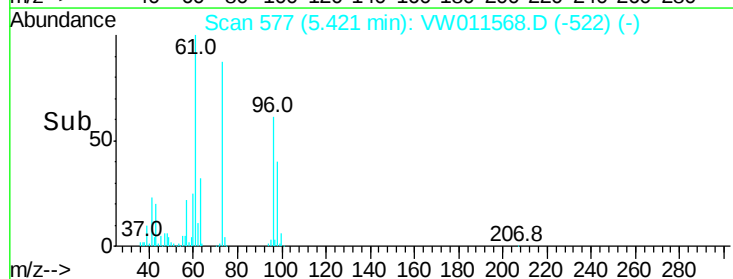
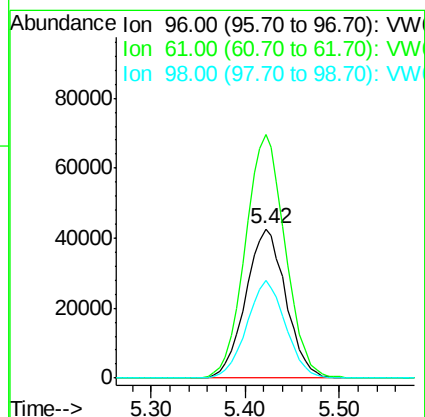
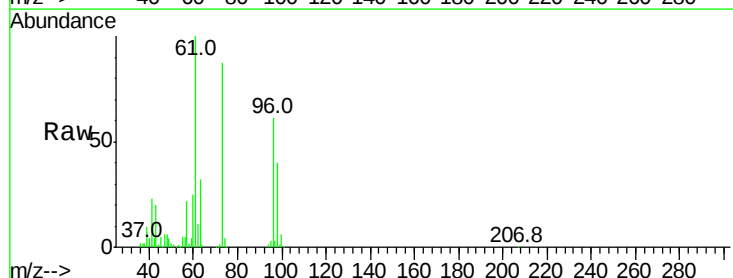
Delta R.T. 0.01 min

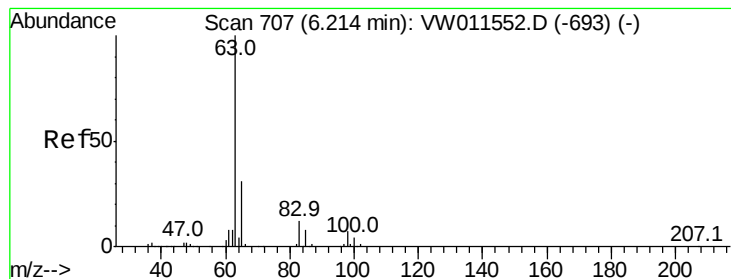
Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Tgt Ion: 96 Resp: 126687

Ion	Ratio	Lower	Upper
96	100		
61	163.1	111.7	207.5
98	65.1	43.4	80.6





#19

1,1-Dichloroethane

Concen: 27.823 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

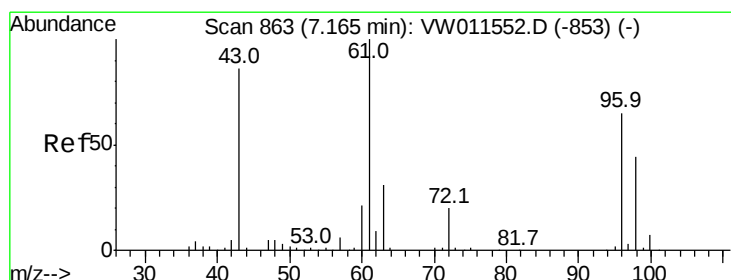
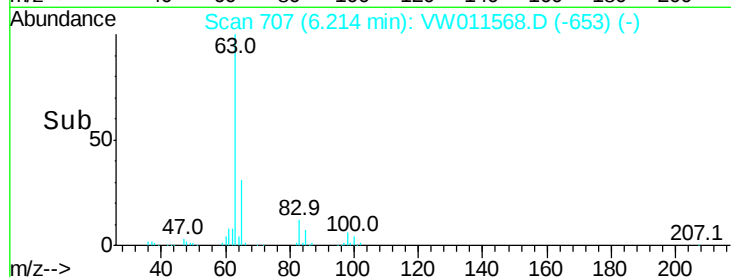
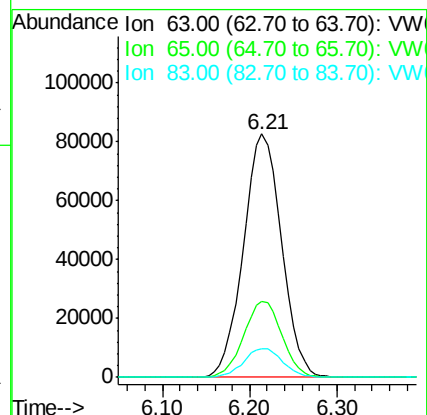
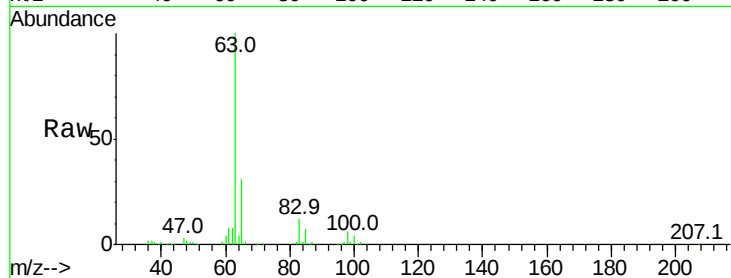
Tgt Ion: 63 Resp: 250970

Ion Ratio Lower Upper

63 100

65 31.0 22.8 42.4

83 12.0 8.6 16.0



#21

2-Butanone

Concen: 62.876 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011568.D

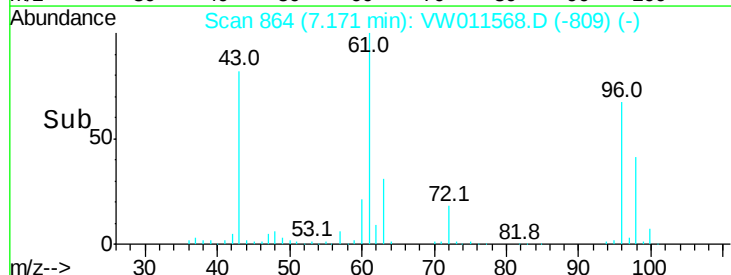
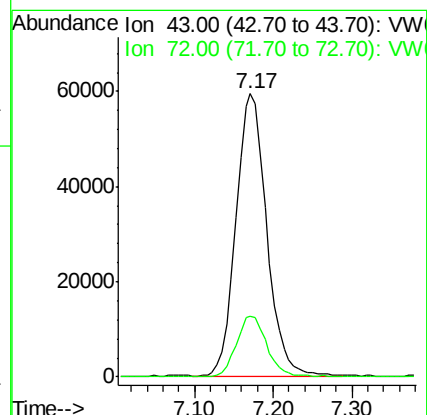
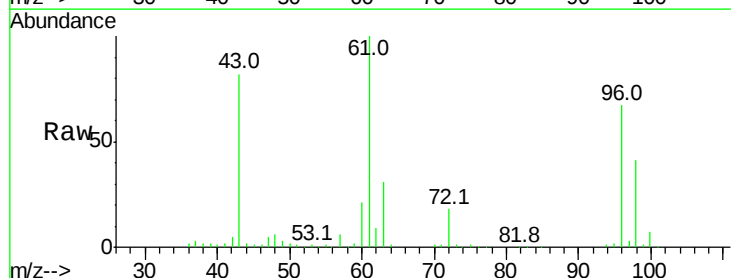
Acq: 30 Jul 2019 10:22

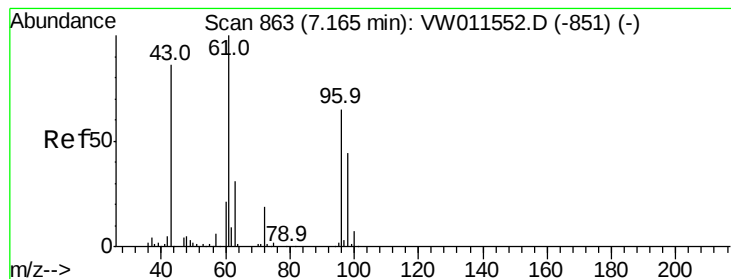
Tgt Ion: 43 Resp: 161126

Ion Ratio Lower Upper

43 100

72 21.4 10.5 31.6





#22

cis-1,2-Dichloroethene

Concen: 27.325 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

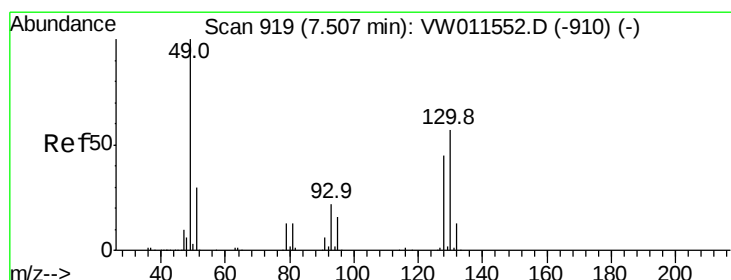
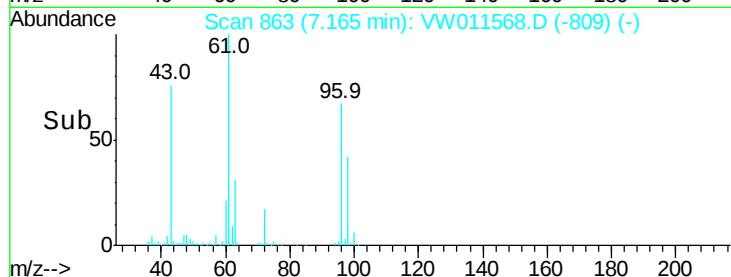
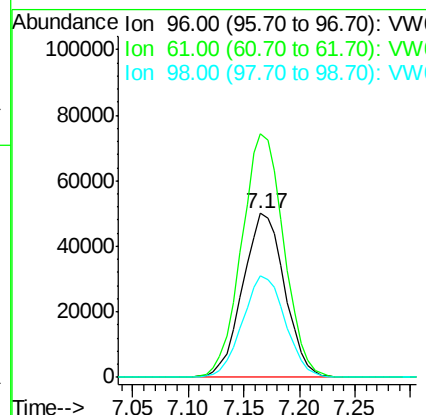
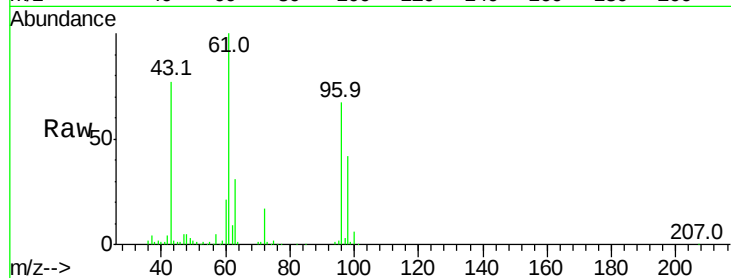
Tgt Ion: 96 Resp: 131451

Ion Ratio Lower Upper

96 100

61 148.4 101.8 189.0

98 62.2 45.4 84.2



#23

Bromochloromethane

Concen: 28.319 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Tgt Ion: 128 Resp: 56939

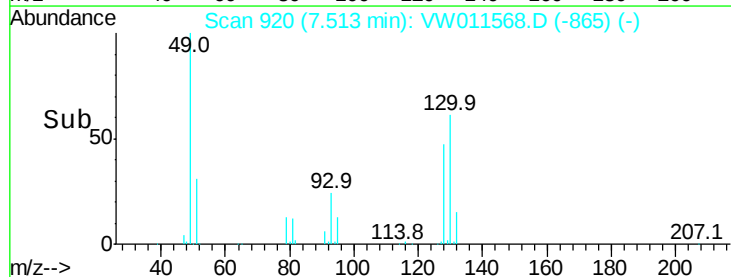
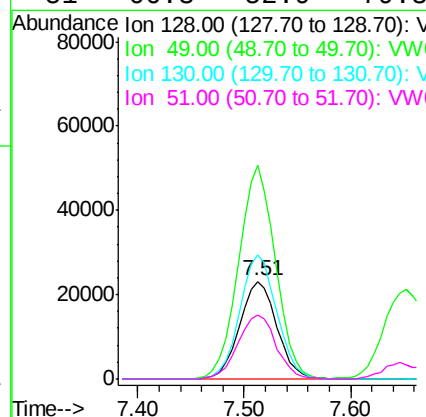
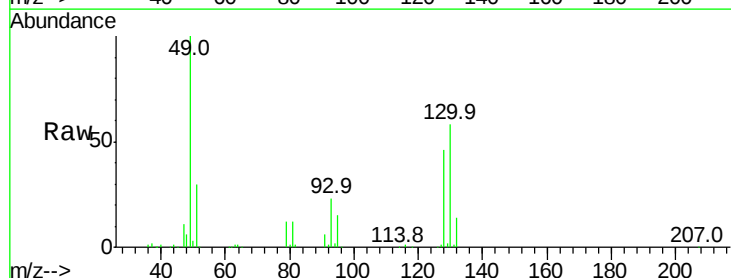
Ion Ratio Lower Upper

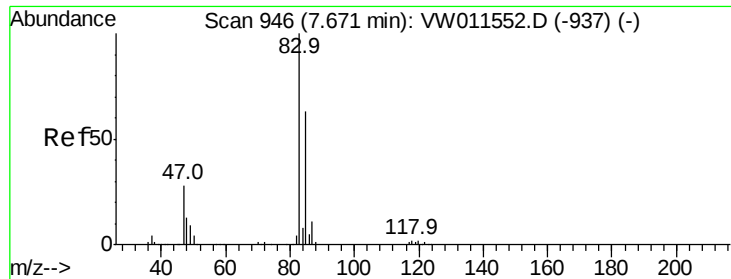
128 100

49 219.5 152.0 282.2

130 127.9 89.8 166.8

51 66.3 52.9 79.3





#25

Chloroform

Concen: 27.929 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampled :

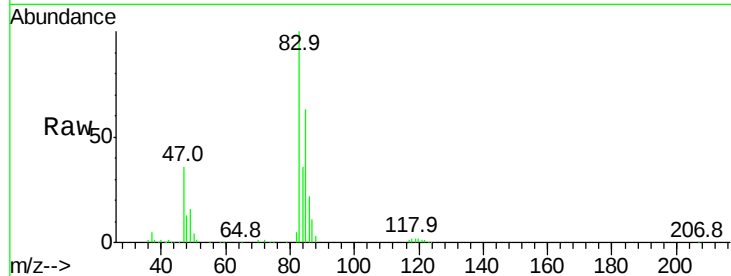
VSTD02501

Tgt Ion: 83 Resp: 232073

Ion Ratio Lower Upper

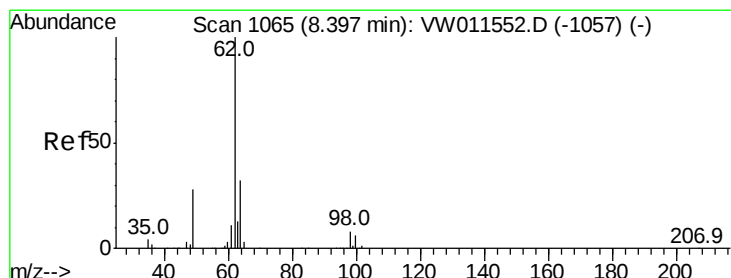
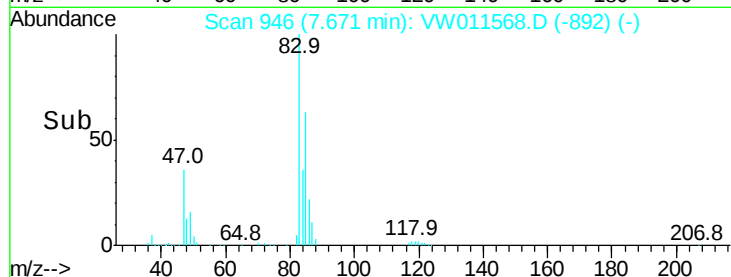
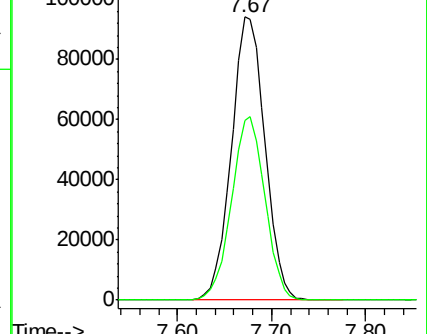
83 100

85 64.8 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 28.534 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW011568.D

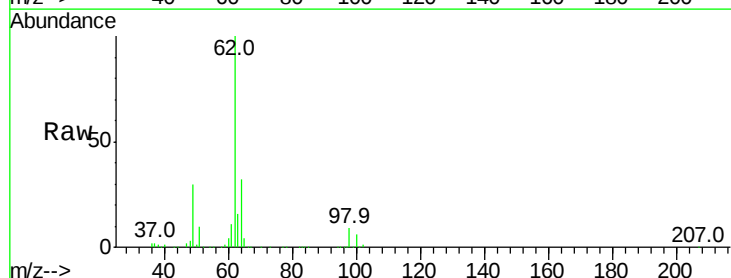
Acq: 30 Jul 2019 10:22

Tgt Ion: 62 Resp: 172812

Ion Ratio Lower Upper

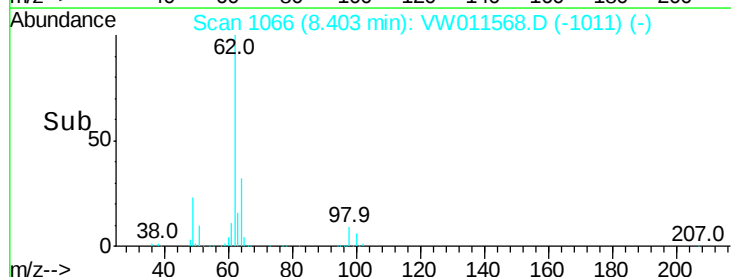
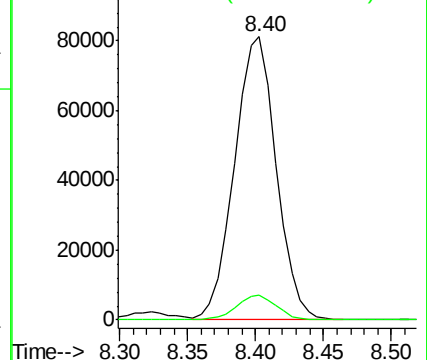
62 100

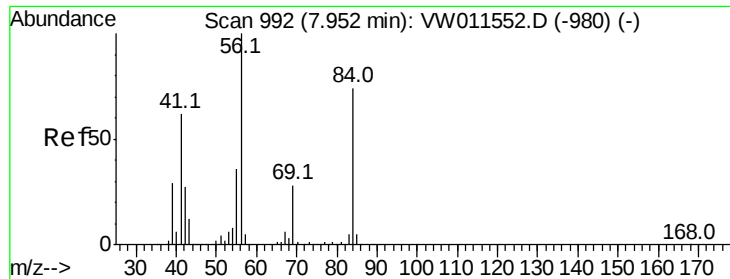
98 9.0 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

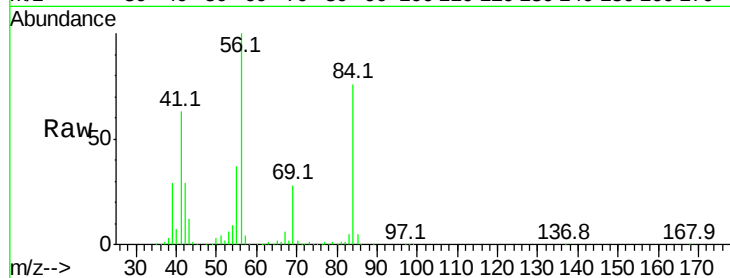




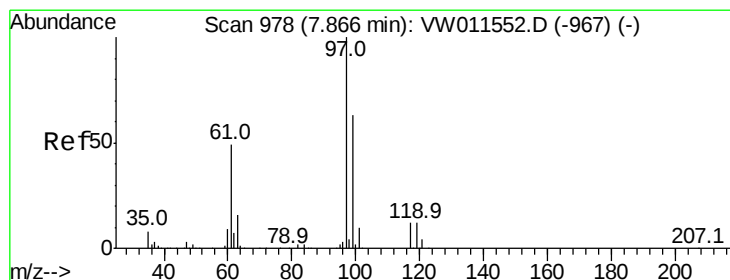
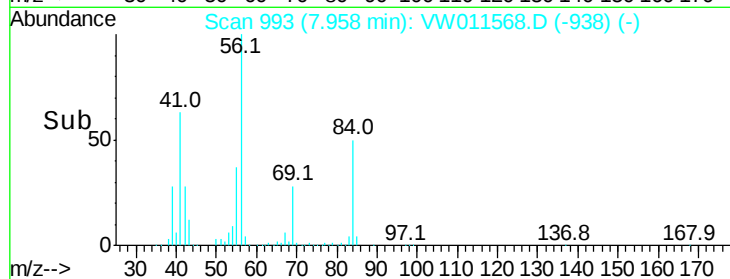
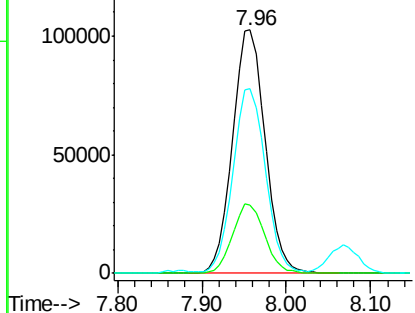
#30
Cyclohexane
Concen: 28.294 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011568.D
Acq: 30 Jul 2019 10:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.0	22.6	34.0
84	75.8	60.4	90.6

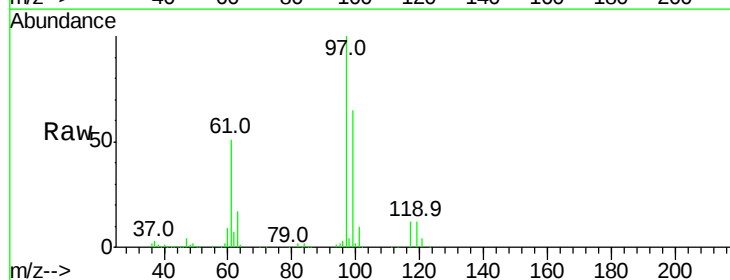


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

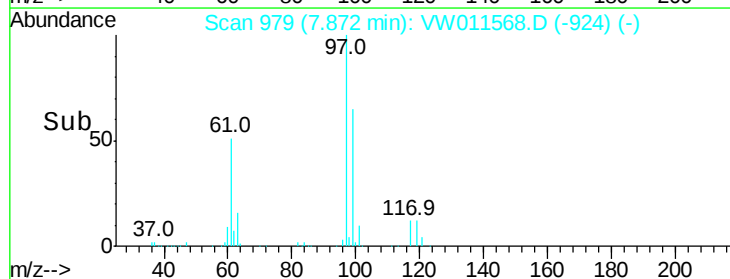
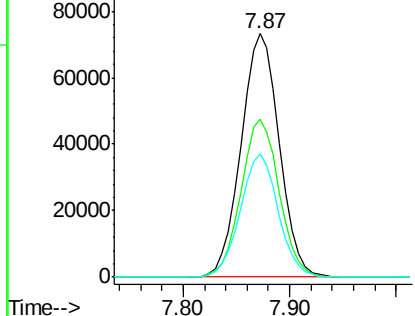


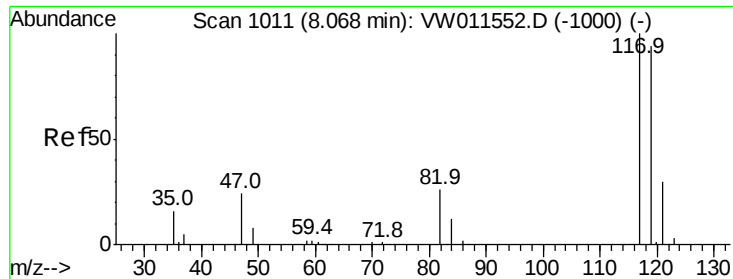
#31
1,1,1-Trichloroethane
Concen: 28.382 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW011568.D
Acq: 30 Jul 2019 10:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.6
61	50.4	39.4	59.2



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: 28.997 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

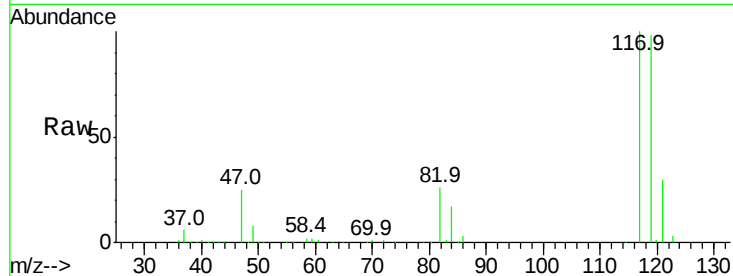
VSTD02501

Tgt Ion:117 Resp: 175092

Ion Ratio Lower Upper

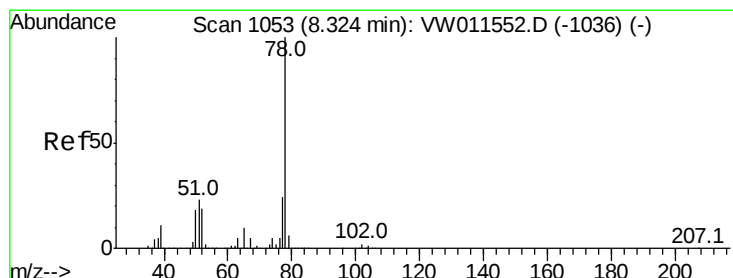
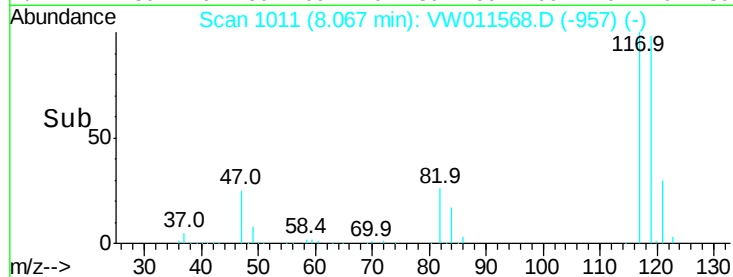
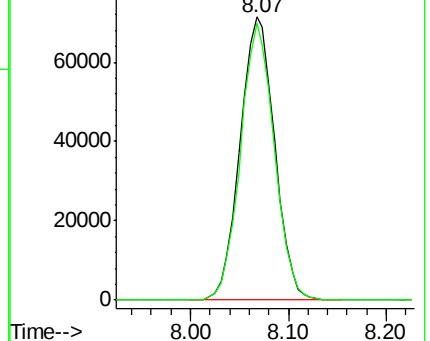
117 100

119 95.3 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.932 ug/L

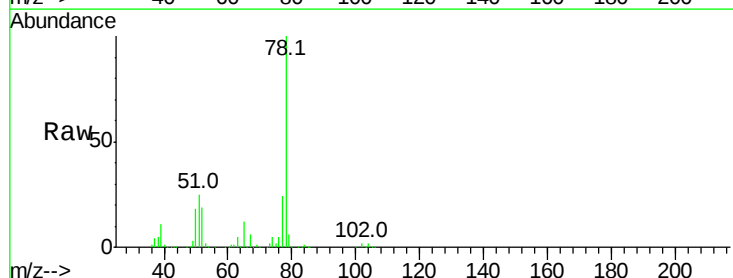
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

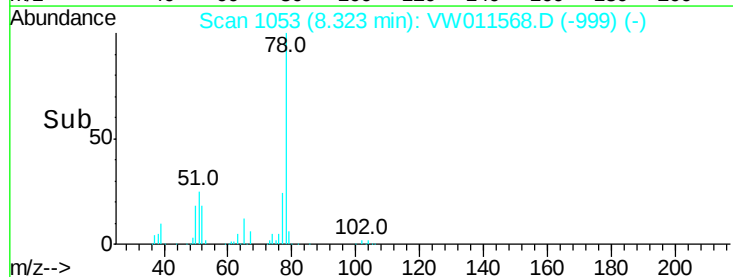
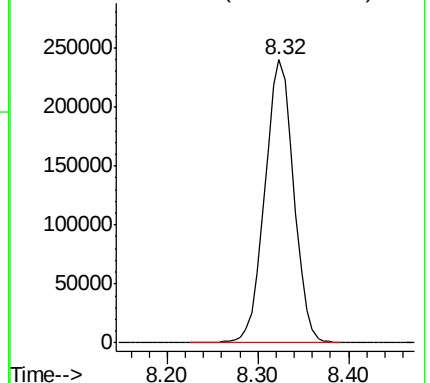
Lab File: VW011568.D

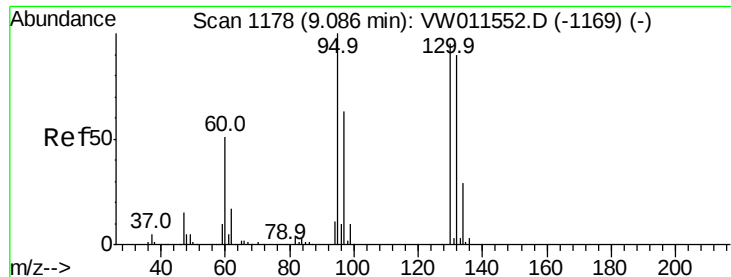
Acq: 30 Jul 2019 10:22

Tgt Ion: 78 Resp: 529261



Abundance Ion 78.00 (77.70 to 78.70): VW

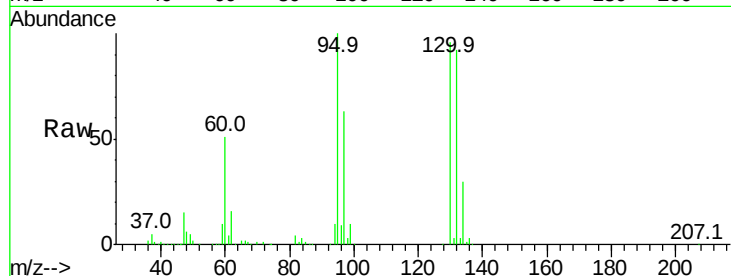




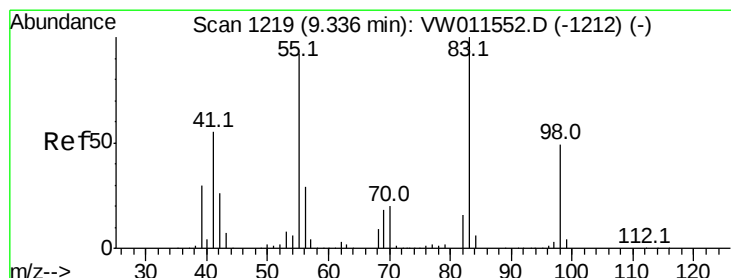
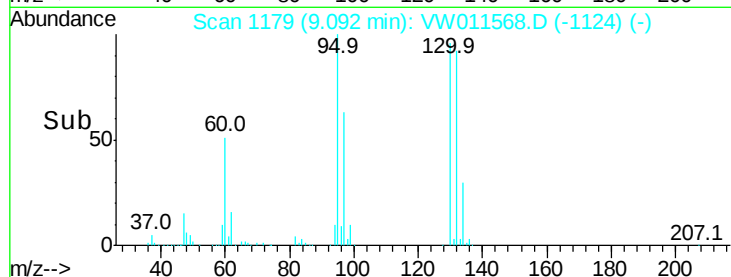
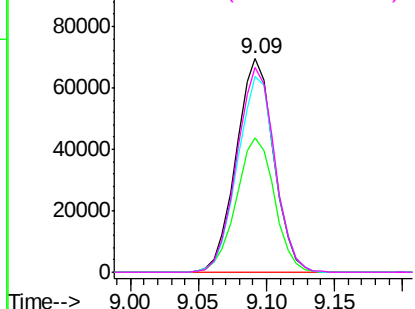
#35
 Trichloroethene
 Concen: 27.806 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Tgt Ion: 95 Resp: 133911
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.6 82.8
 132 92.8 66.0 122.6
 130 97.2 68.4 127.0

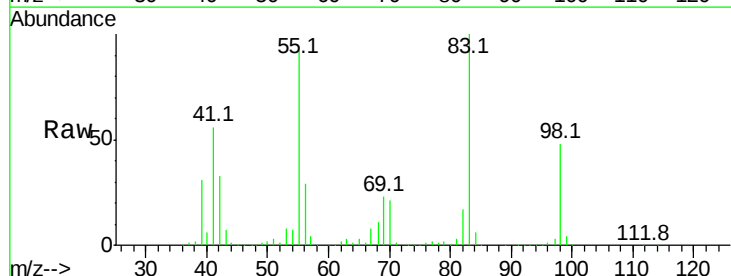


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

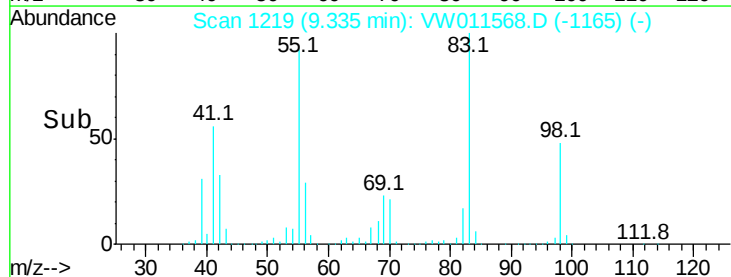
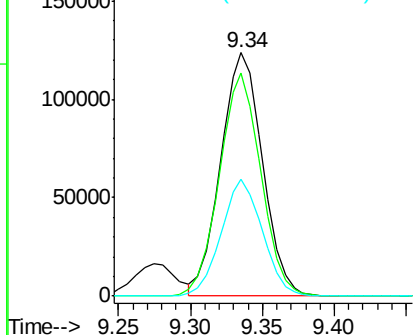


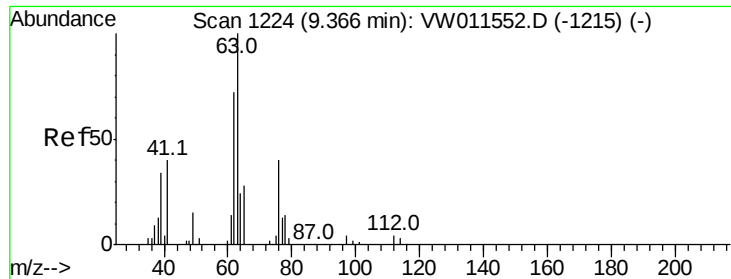
#36
 Methylcyclohexane
 Concen: 28.659 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

Tgt Ion: 83 Resp: 250968
 Ion Ratio Lower Upper
 83 100
 55 90.7 71.5 107.3
 98 47.2 37.4 56.2



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

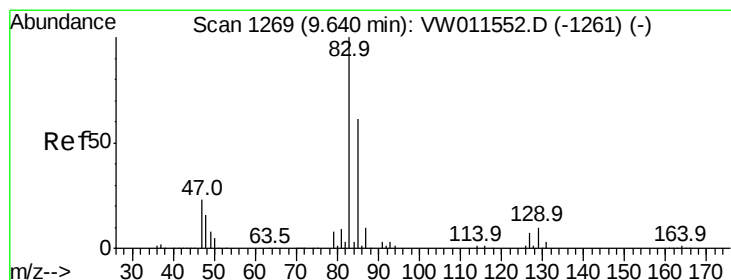
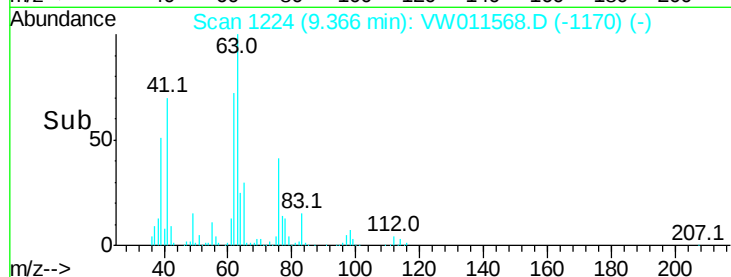
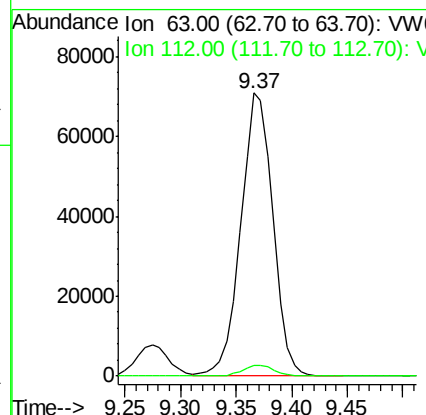
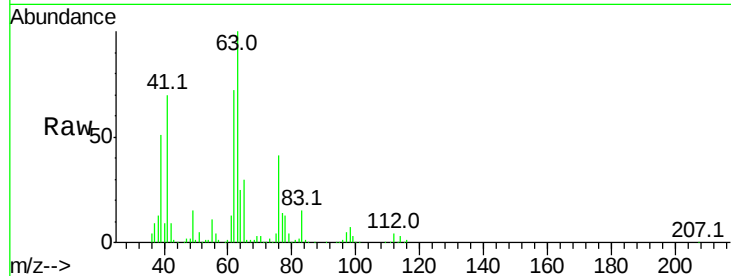




#40
 1,2-Dichloropropane
 Concen: 27.817 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

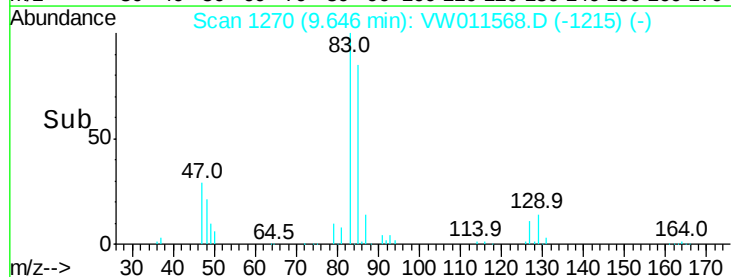
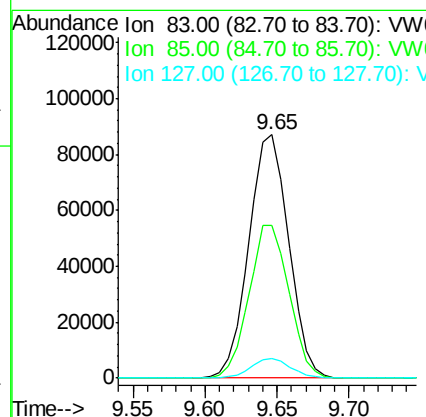
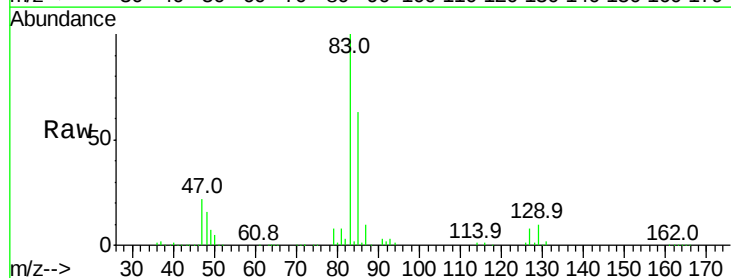
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

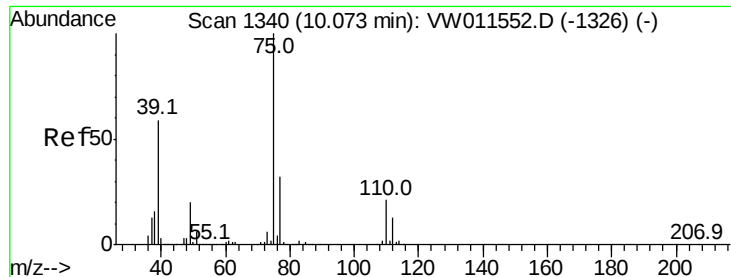
Tgt Ion: 63 Resp: 141606
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#41
 Bromodichloromethane
 Concen: 28.058 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

Tgt Ion: 83 Resp: 167003
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.3 82.3
 127 8.1 6.6 9.8





#42

cis-1,3-Dichloroprene

Concen: 28.020 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampled :

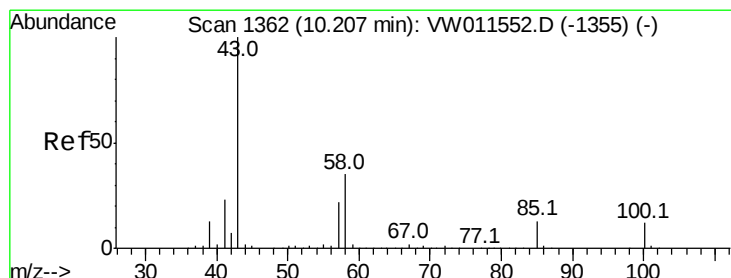
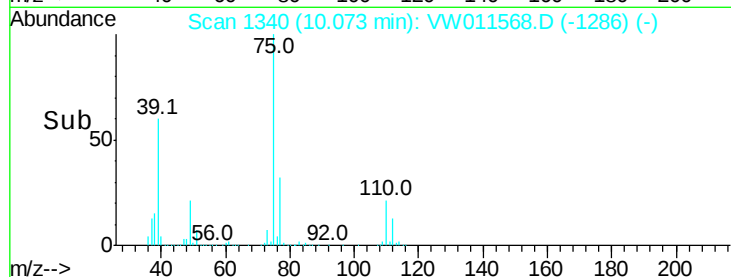
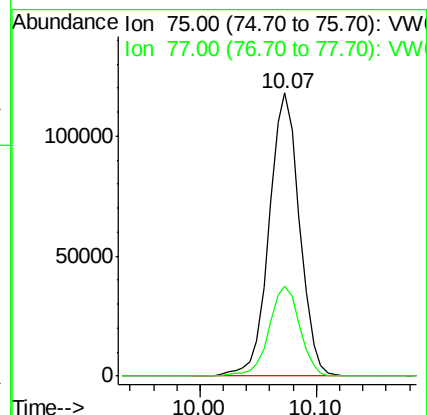
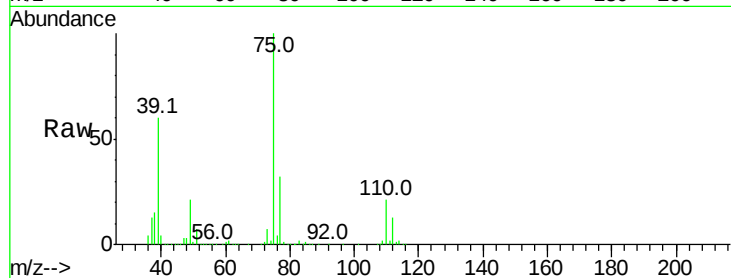
VSTD02501

Tgt Ion: 75 Resp: 214297

Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 63.534 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

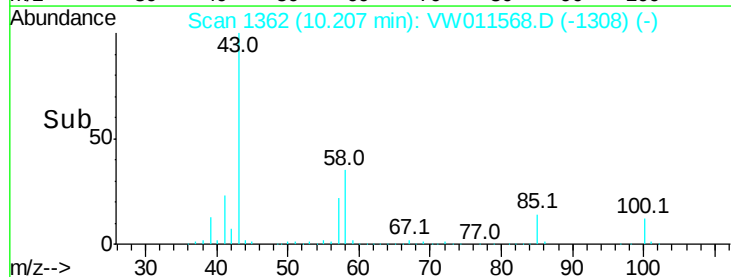
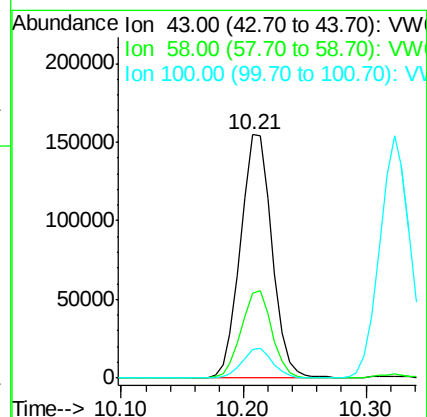
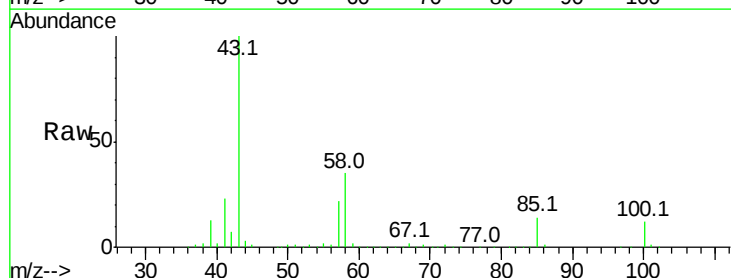
Tgt Ion: 43 Resp: 276883

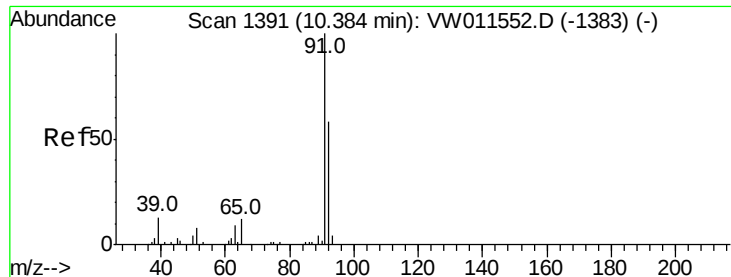
Ion Ratio Lower Upper

43 100

58 35.0 28.0 42.0

100 11.8 9.8 14.8





#44

Toluene

Concen: 28.175 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

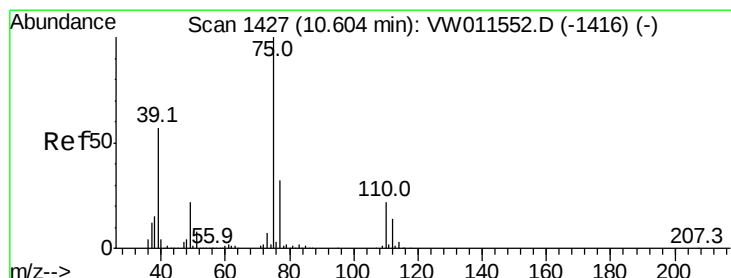
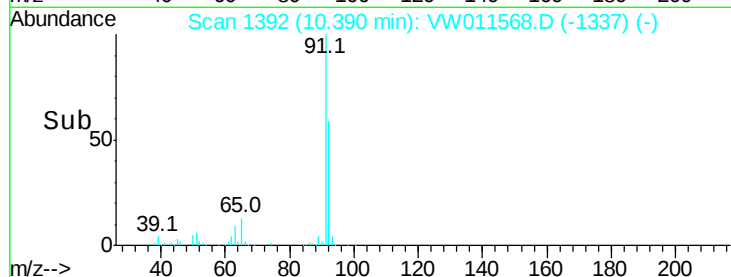
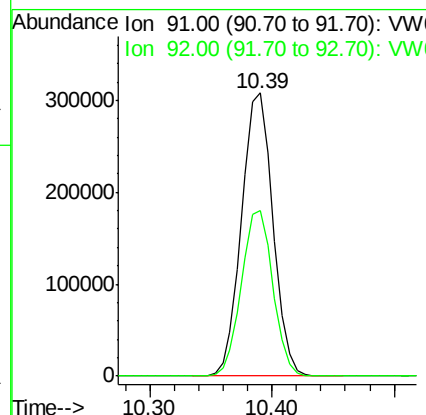
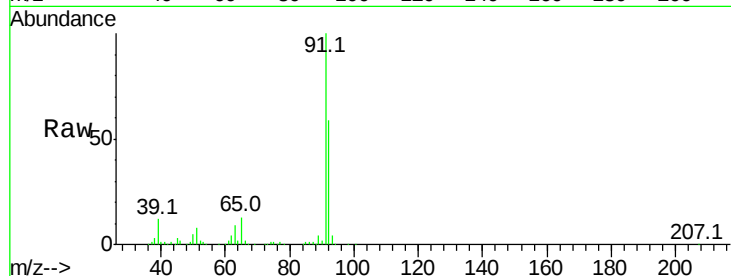
VSTD02501

Tgt Ion: 91 Resp: 547582

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 28.473 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011568.D

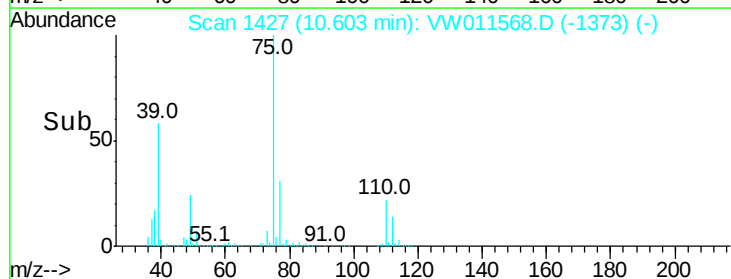
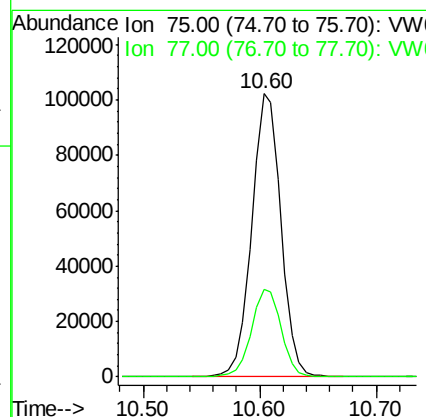
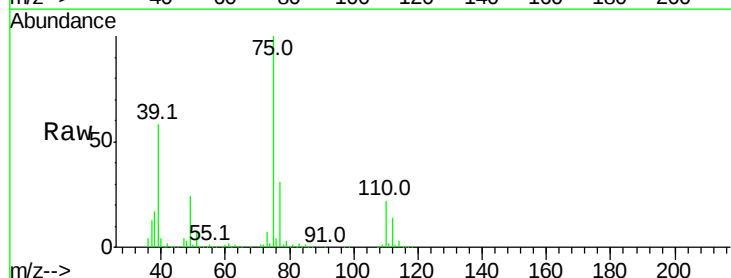
Acq: 30 Jul 2019 10:22

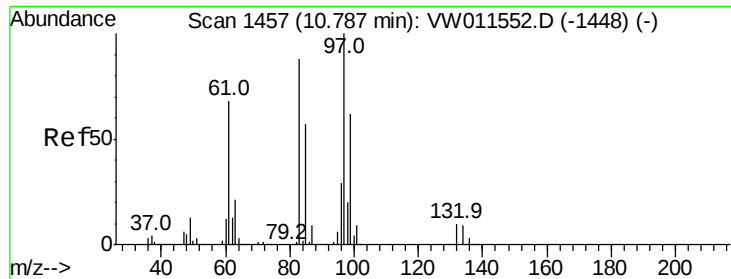
Tgt Ion: 75 Resp: 178964

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 28.461 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampled :

VSTD02501

Tgt Ion: 97 Resp: 96983

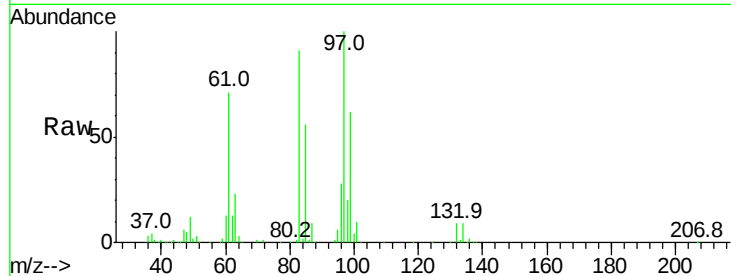
Ion Ratio Lower Upper

97 100

83 91.2 63.8 118.6

85 56.1 40.0 74.4

99 62.1 43.1 80.1

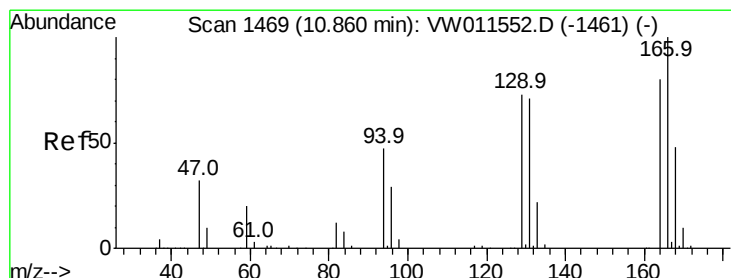
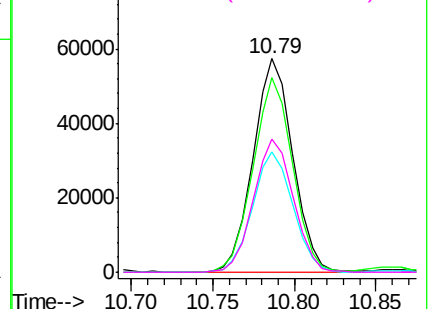
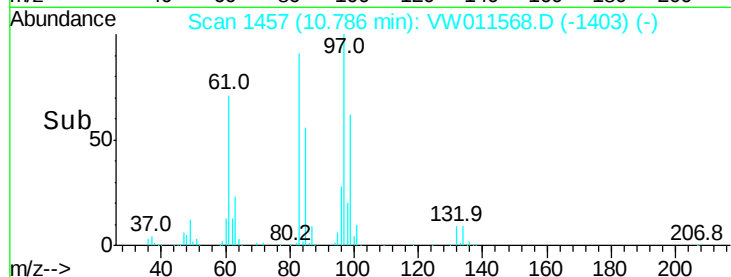


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 28.070 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Tgt Ion: 164 Resp: 103713

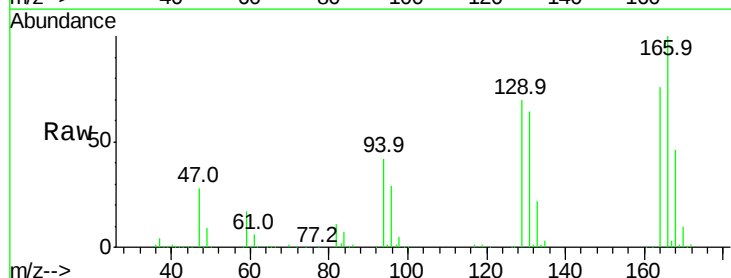
Ion Ratio Lower Upper

164 100

129 91.5 69.0 128.1

131 83.7 64.5 119.7

166 131.0 89.2 165.6

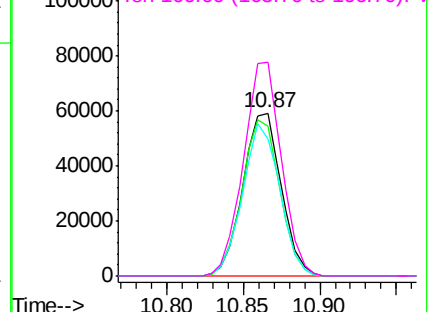
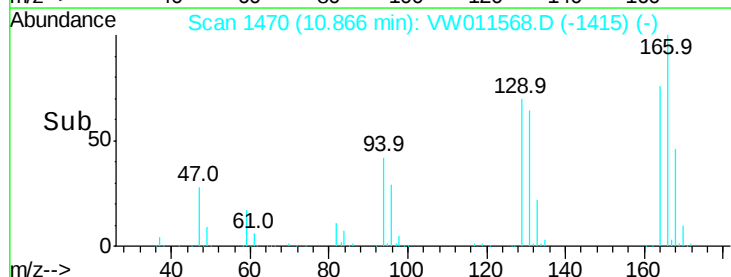


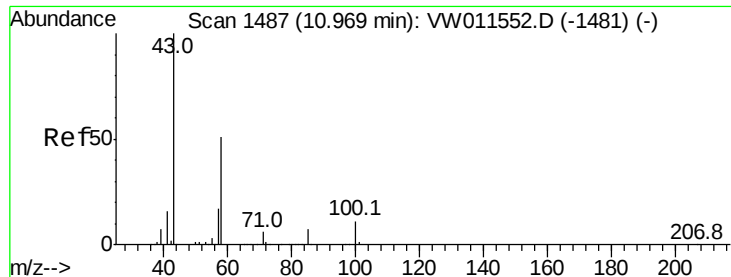
Abundance Ion 164.00 (163.70 to 164.70): V

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

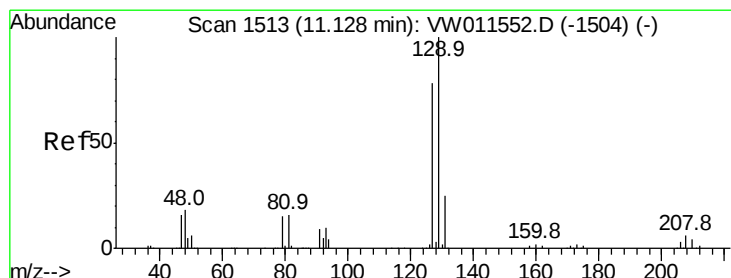
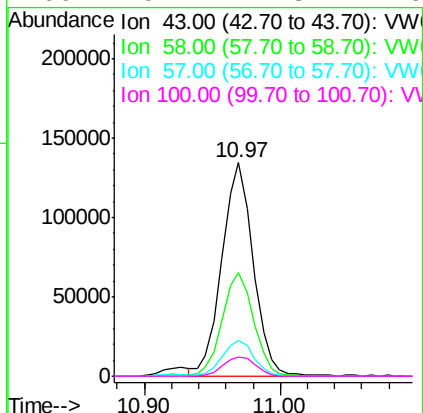
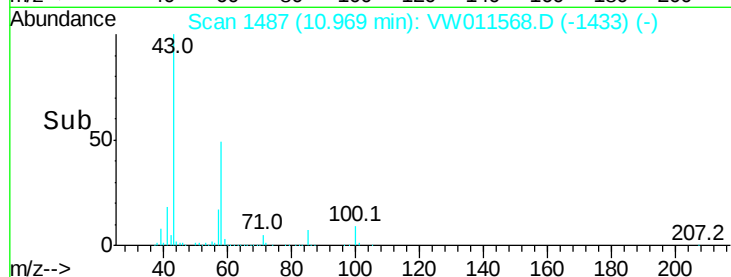
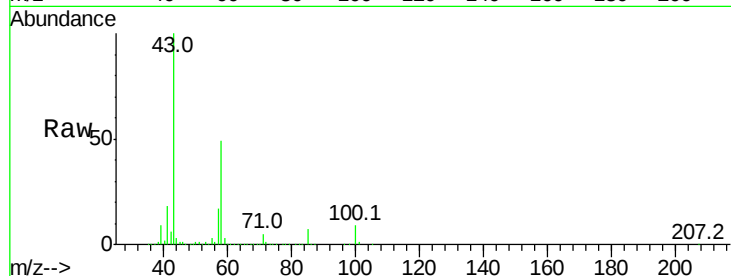




#49
2-Hexanone
Concen: 65.663 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011568.D
Acq: 30 Jul 2019 10:22

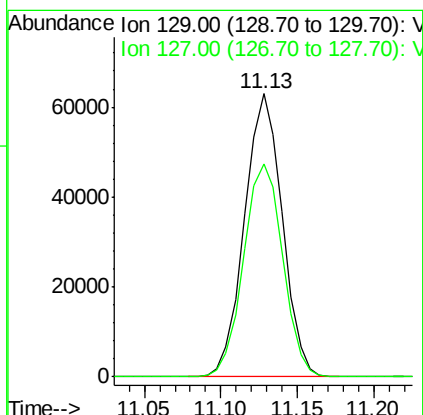
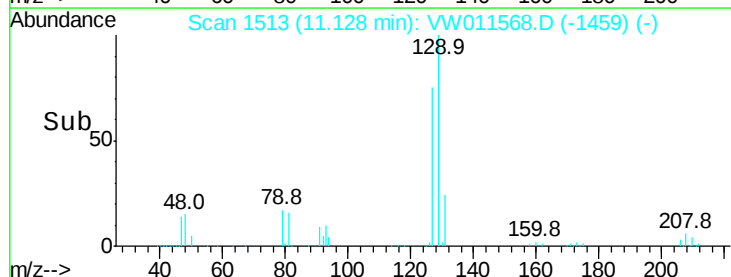
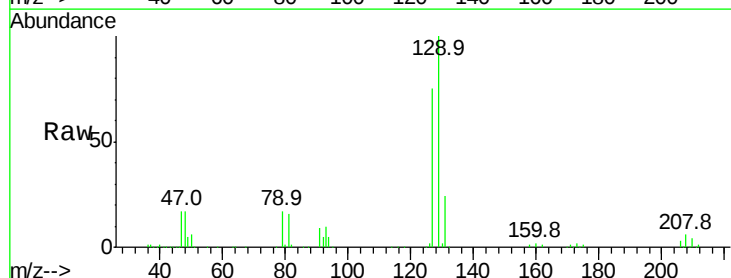
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

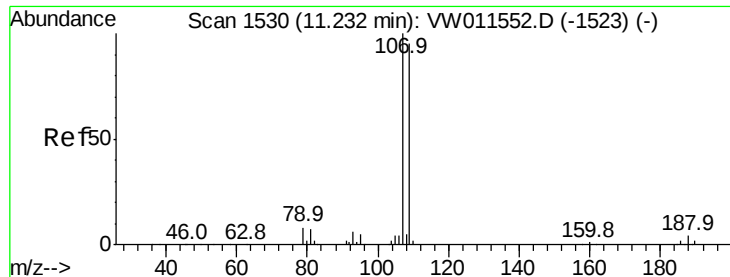
Tgt Ion:	43	Resp:	216004
Ion	Ratio	Lower	Upper
43	100		
58	48.2	40.1	60.1
57	16.3	13.8	20.6
100	9.4	7.8	11.6



#50
Dibromochloromethane
Concen: 28.756 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011568.D
Acq: 30 Jul 2019 10:22

Tgt Ion:	129	Resp:	108465
Ion	Ratio	Lower	Upper
129	100		
127	75.1	53.9	100.1

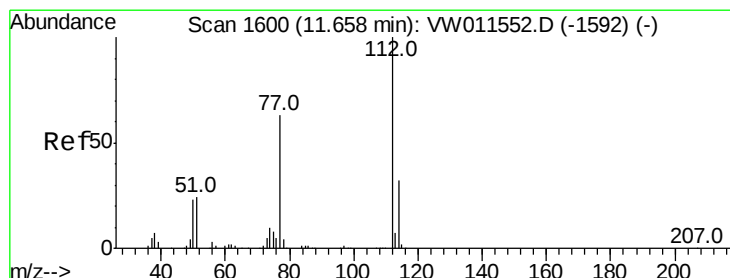
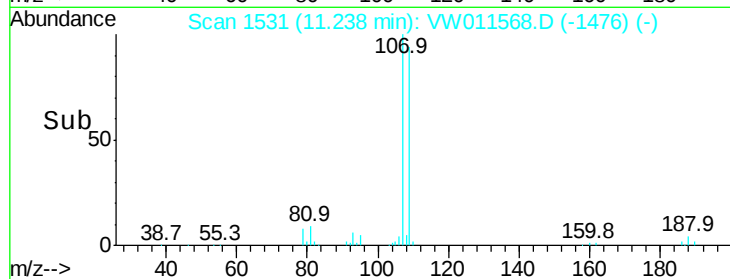
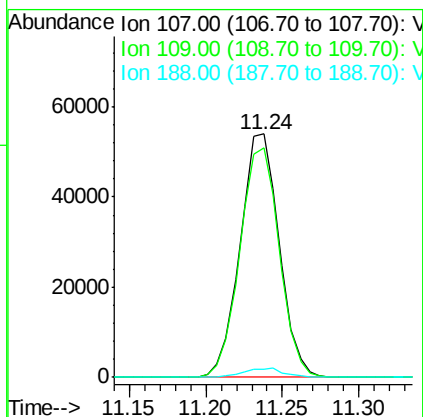
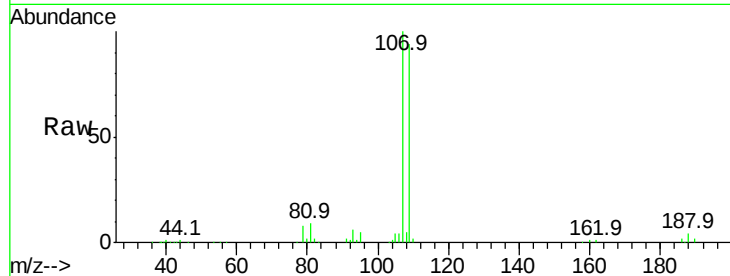




#51
1,2-Dibromoethane
Concen: 29.106 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW011568.D
Acq: 30 Jul 2019 10:22

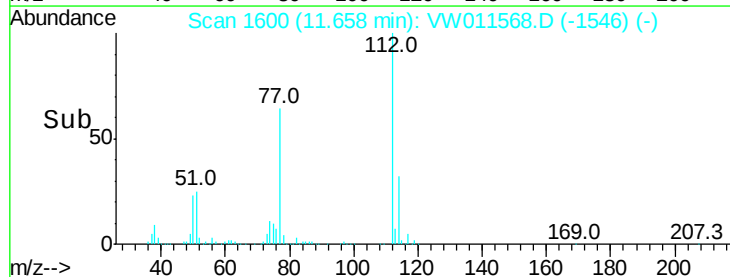
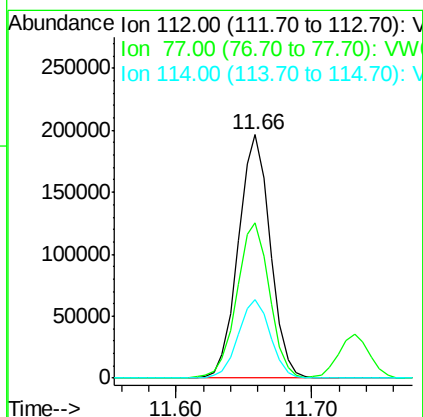
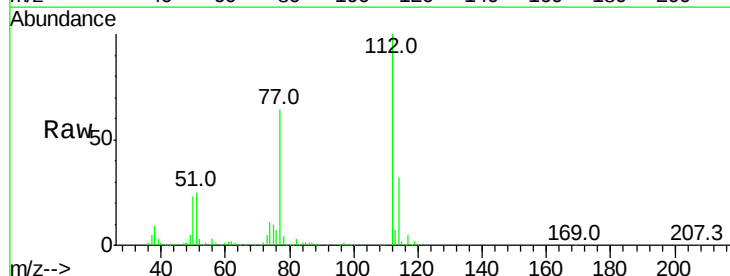
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

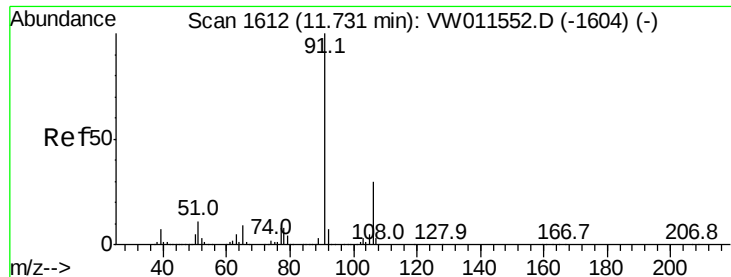
Tgt Ion:107 Resp: 95916
Ion Ratio Lower Upper
107 100
109 94.5 66.8 124.2
188 3.6 3.0 4.6



#52
Chlorobenzene
Concen: 27.529 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011568.D
Acq: 30 Jul 2019 10:22

Tgt Ion:112 Resp: 322653
Ion Ratio Lower Upper
112 100
77 63.7 52.2 78.2
114 32.0 22.0 41.0





#53

Ethylbenzene

Concen: 27.807 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

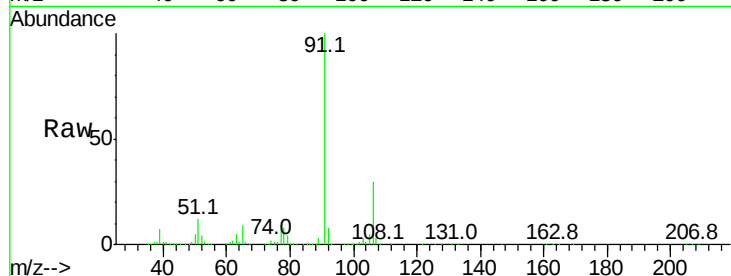
VSTD02501

Tgt Ion: 91 Resp: 608219

Ion Ratio Lower Upper

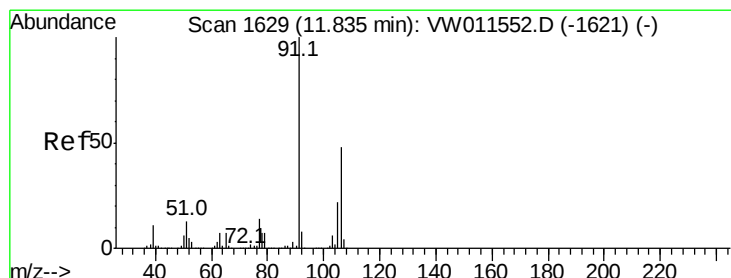
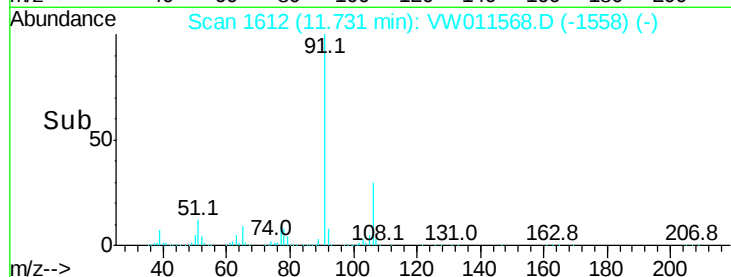
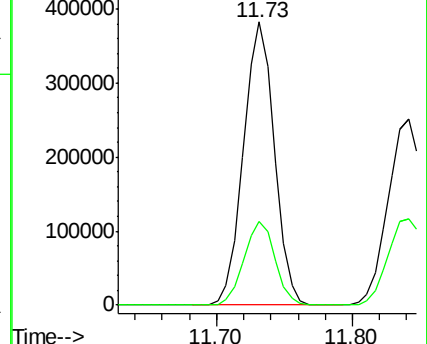
91 100

106 29.5 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 27.652 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011568.D

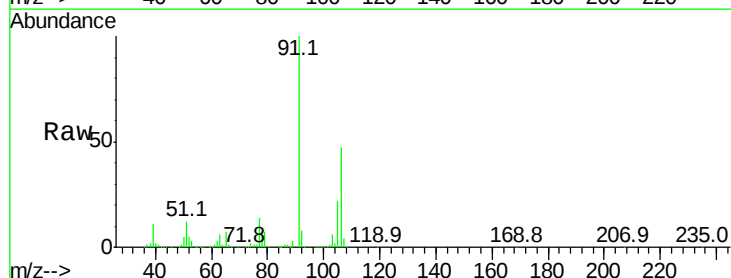
Acq: 30 Jul 2019 10:22

Tgt Ion: 106 Resp: 221511

Ion Ratio Lower Upper

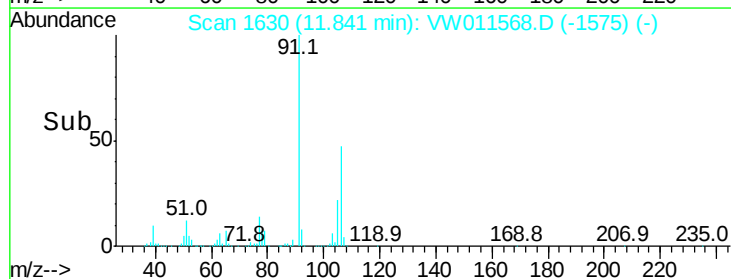
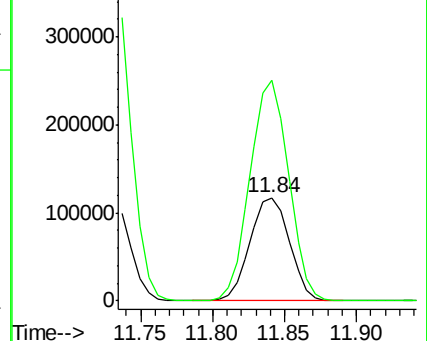
106 100

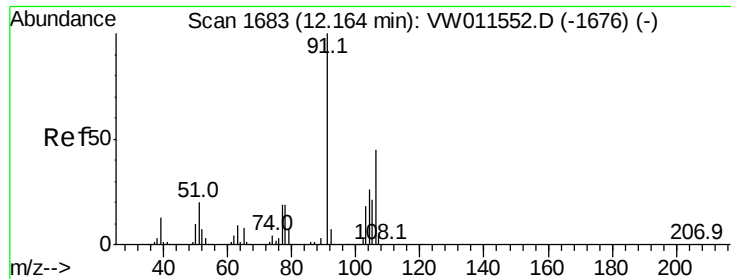
91 213.7 143.7 266.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

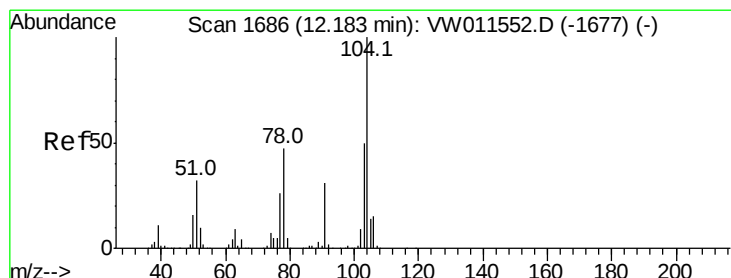
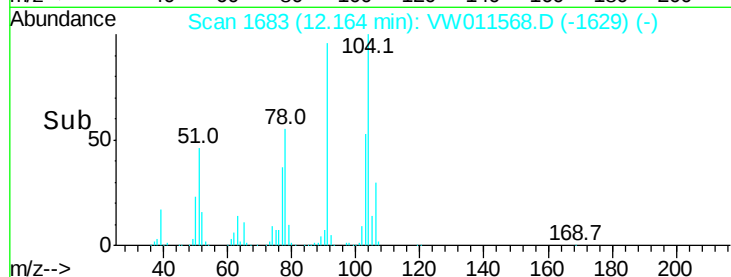
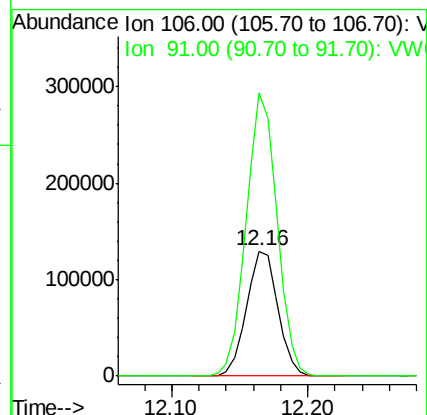
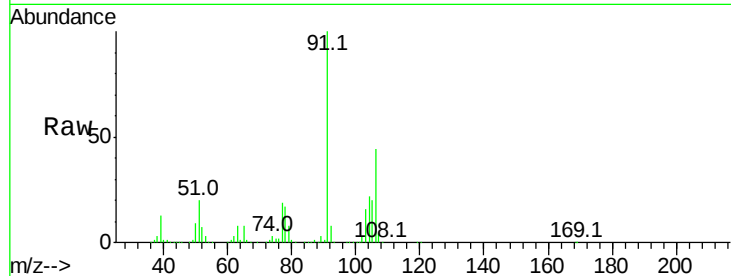




#55
o-xylene
Concen: 27.747 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011568.D
Acq: 30 Jul 2019 10:22

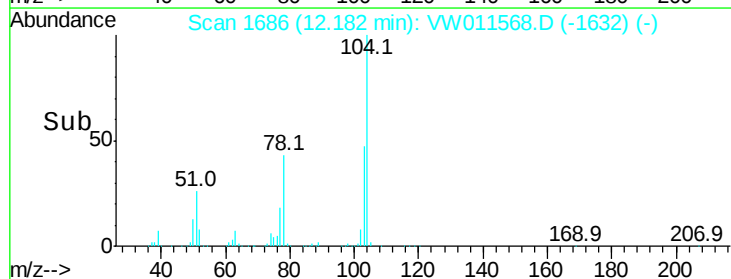
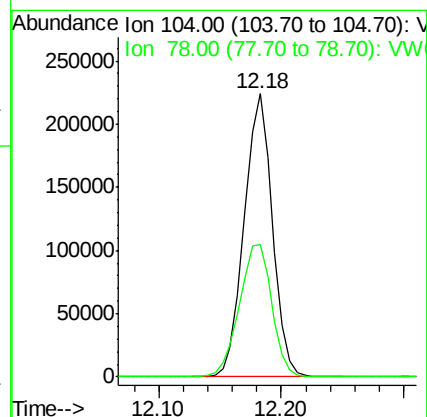
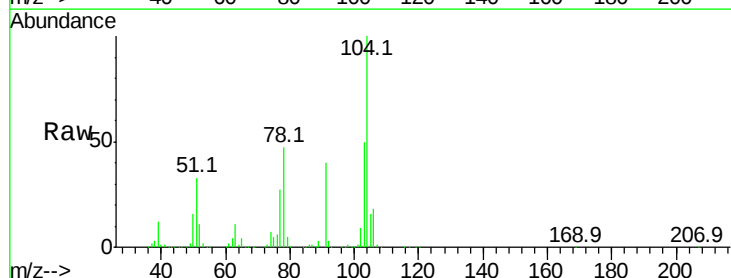
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

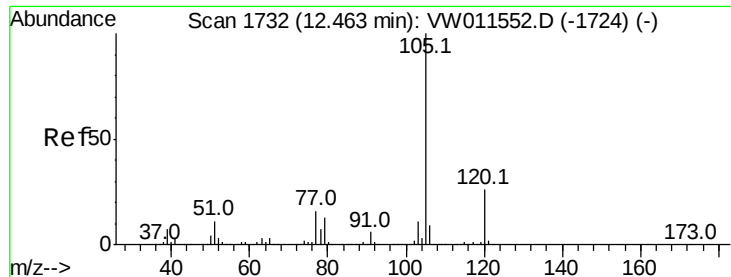
Tgt Ion:106 Resp: 209493
Ion Ratio Lower Upper
106 100
91 226.1 155.5 288.9



#56
Styrene
Concen: 28.135 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011568.D
Acq: 30 Jul 2019 10:22

Tgt Ion:104 Resp: 357351
Ion Ratio Lower Upper
104 100
78 47.0 33.5 62.1





#57

Isopropylbenzene

Concen: 28.186 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

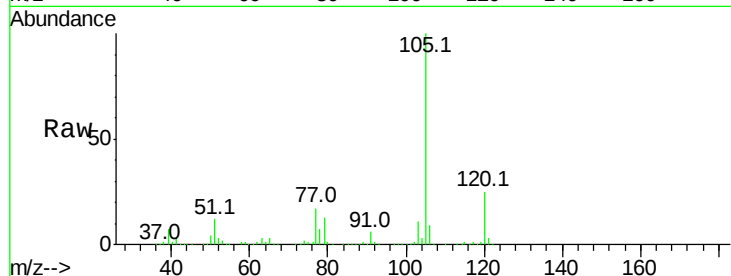
Tgt Ion: 105 Resp: 579651

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

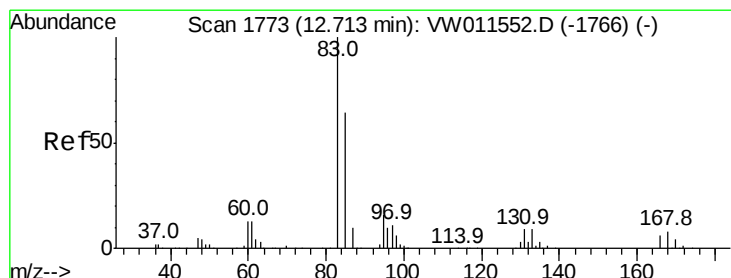
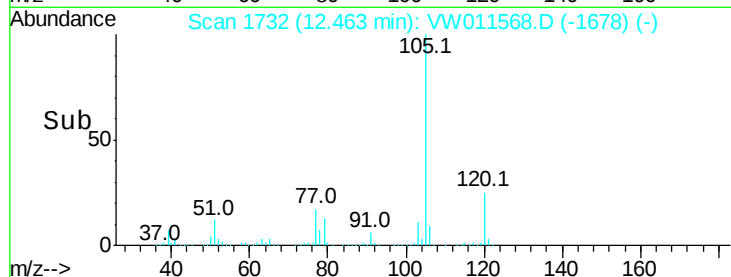
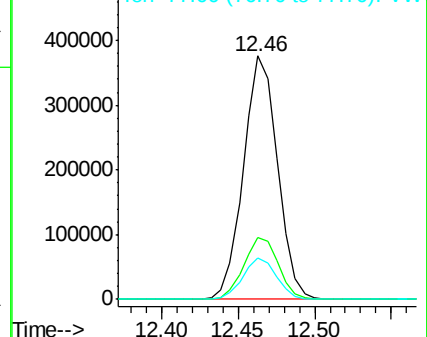
77 16.8 13.3 19.9



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: 30.407 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

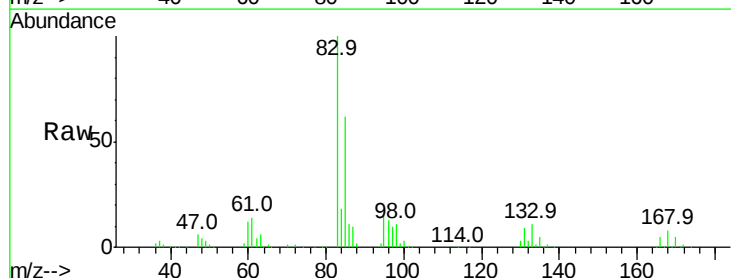
Tgt Ion: 83 Resp: 134594

Ion Ratio Lower Upper

83 100

85 62.2 45.1 83.9

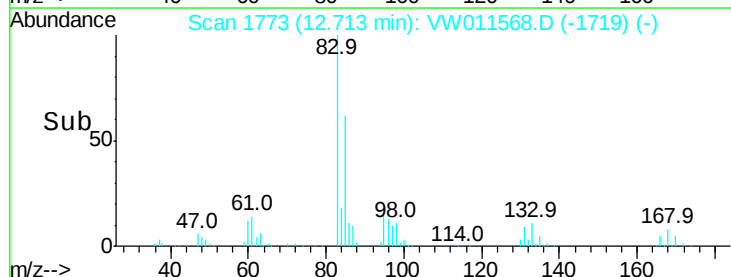
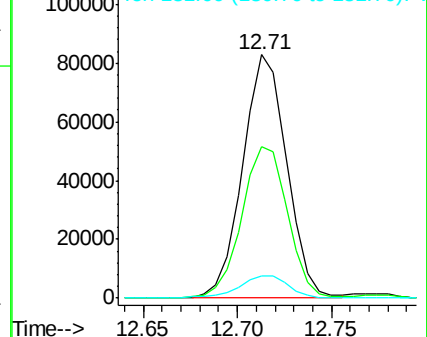
131 9.4 7.0 10.6

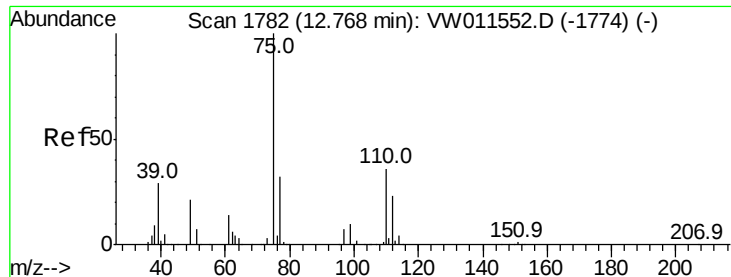


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

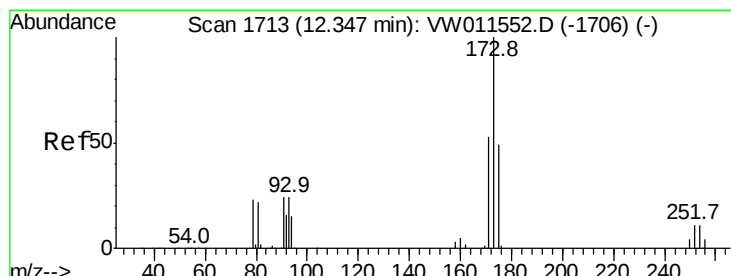
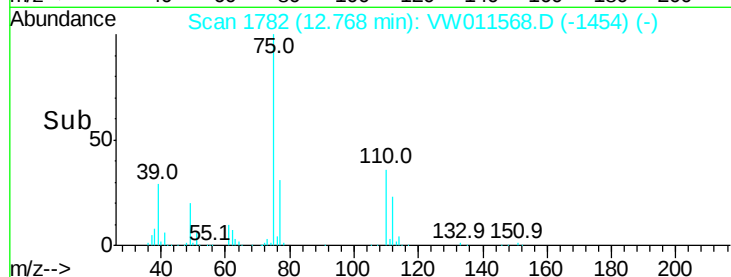
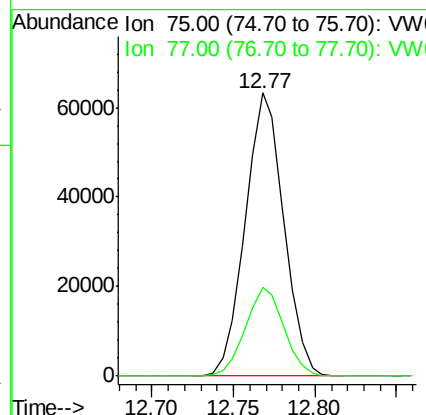
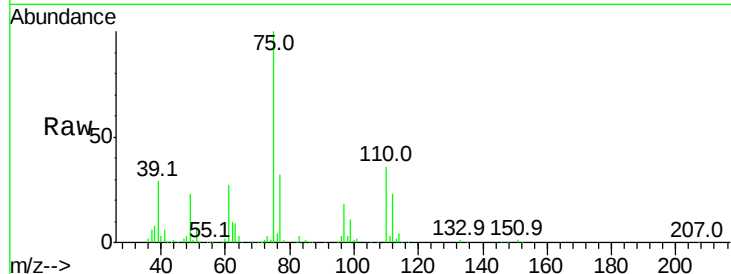




#59
 1,2,3-Trichloropropane
 Concen: 30.777 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

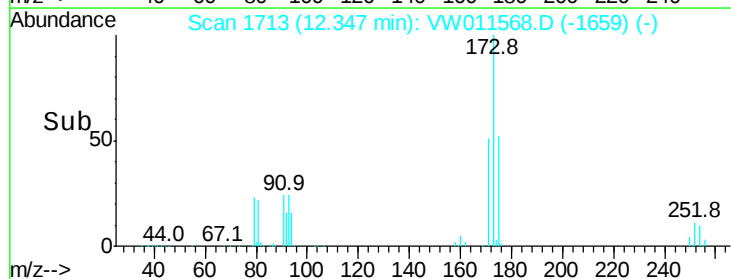
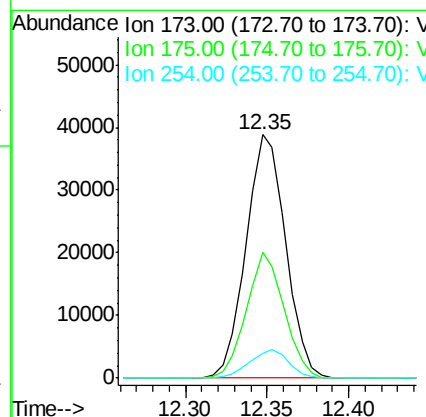
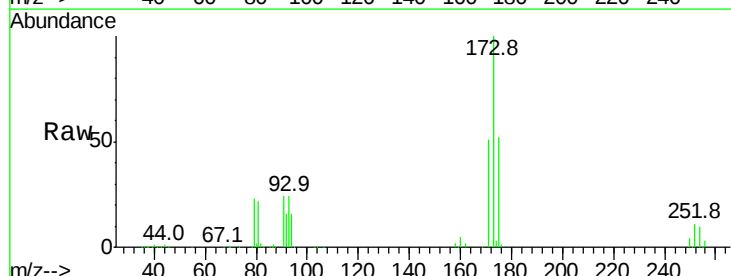
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

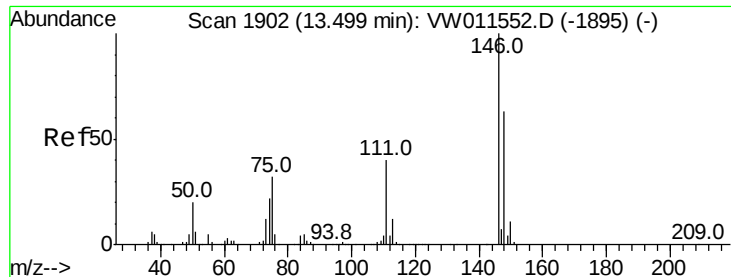
Tgt Ion: 75 Resp: 104085
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.8



#62
 Bromoform
 Concen: 29.673 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

Tgt Ion: 173 Resp: 65877
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.0 58.4
 254 11.3 8.5 12.7

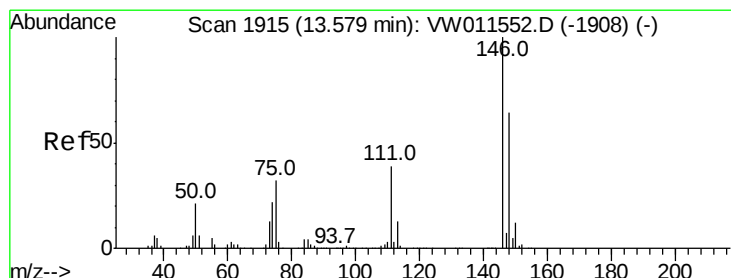
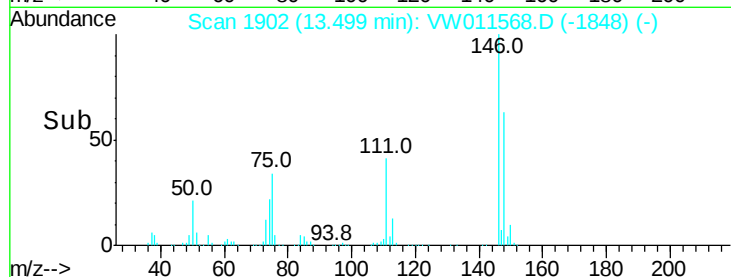
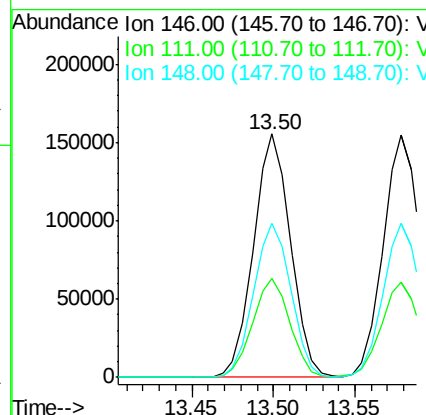
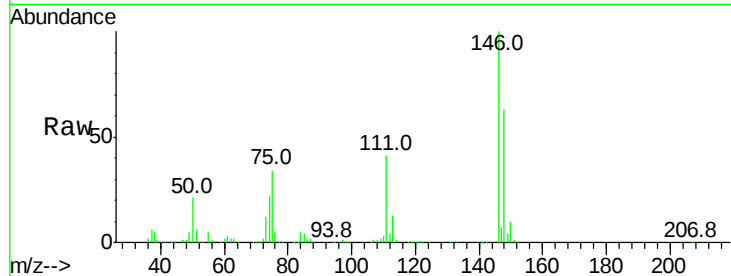




#63
 1,3-Dichlorobenzene
 Concen: 27.675 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

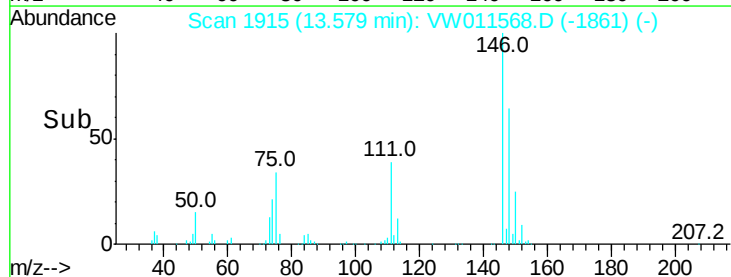
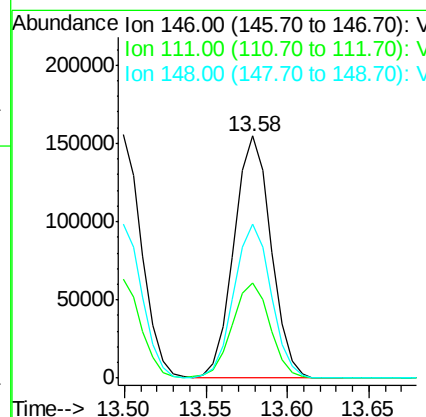
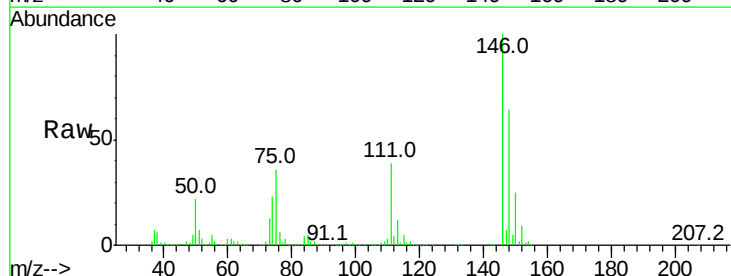
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

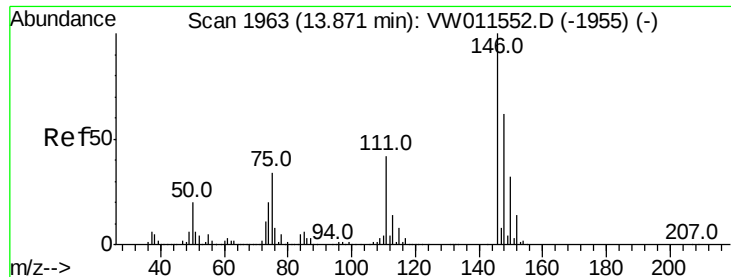
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	29.0	53.8
148	63.5	44.3	82.3



#64
 1,4-Dichlorobenzene
 Concen: 27.203 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	27.8	51.6
148	63.5	44.9	83.5

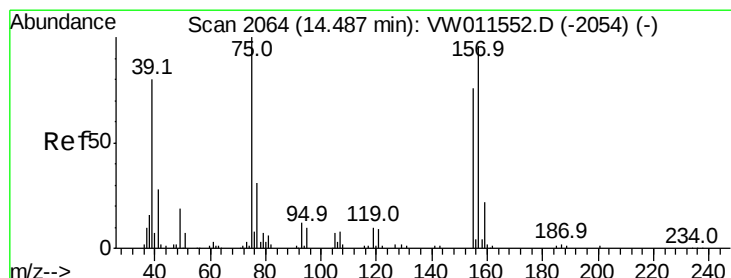
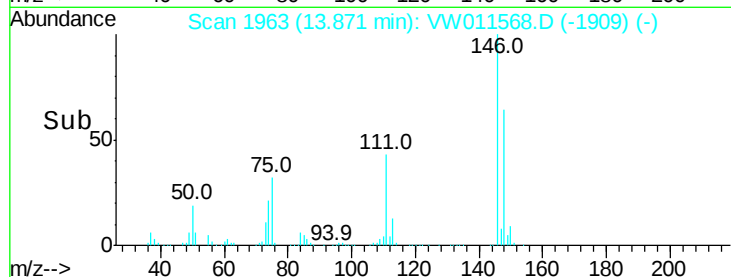
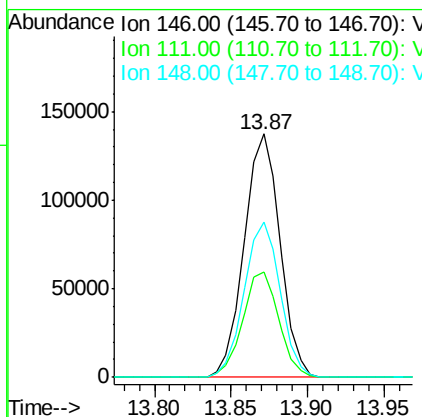
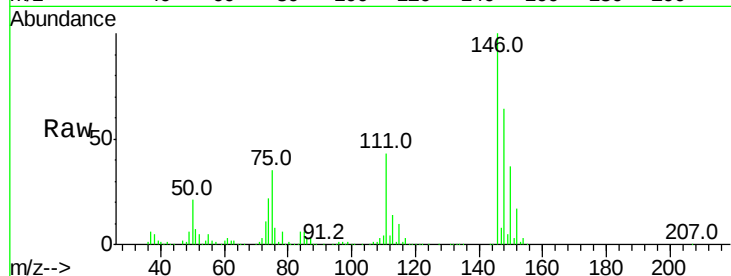




#65
 1,2-Dichlorobenzene
 Concen: 27.455 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

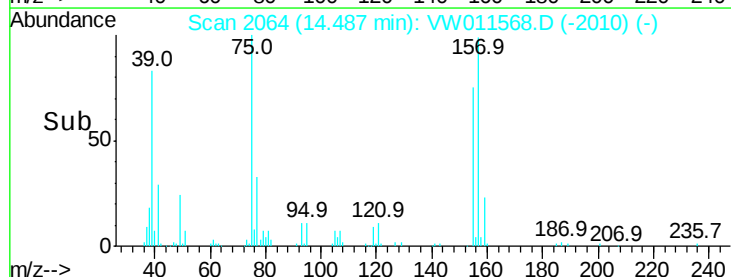
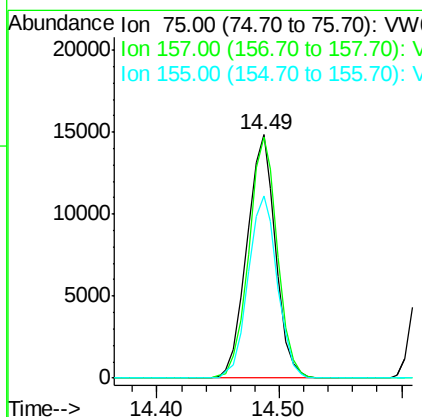
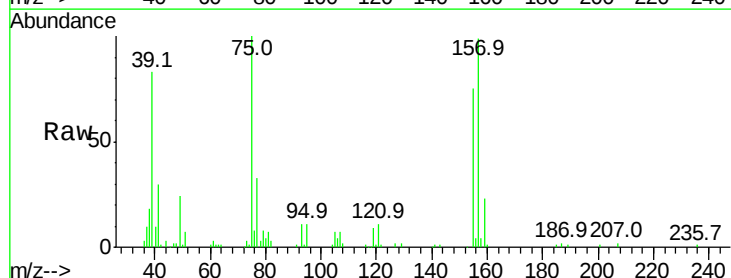
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02501

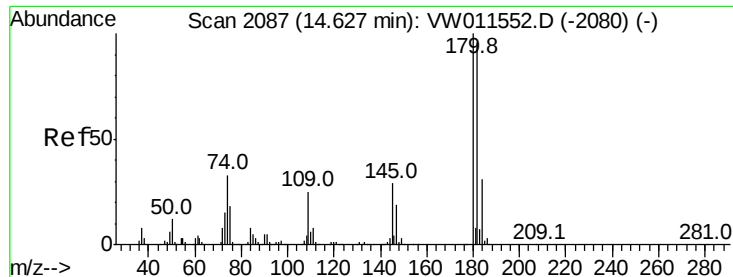
Tgt Ion: 146 Resp: 224379
 Ion Ratio Lower Upper
 146 100
 111 43.2 33.8 50.8
 148 63.6 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 30.928 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

Tgt Ion: 75 Resp: 24093
 Ion Ratio Lower Upper
 75 100
 157 99.1 73.7 110.5
 155 74.9 61.0 91.6

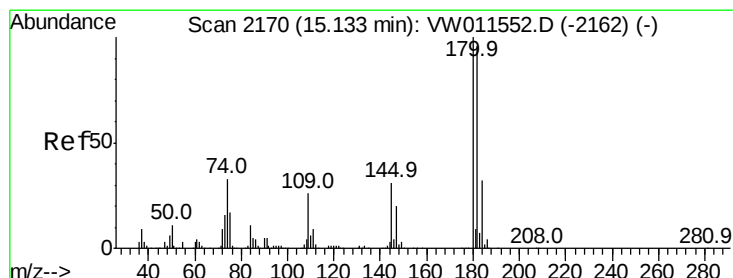
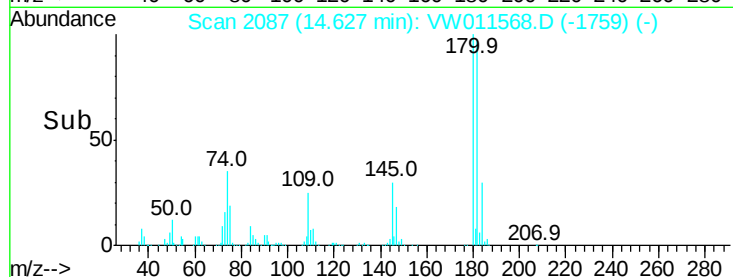
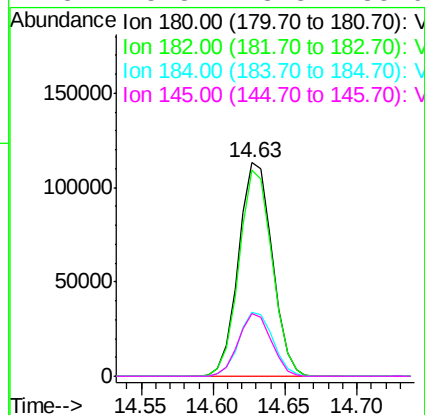
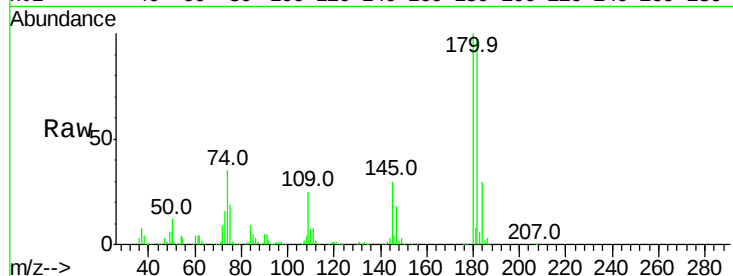




#67
 1,3,5-Trichlorobenzene
 Concen: 27.154 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

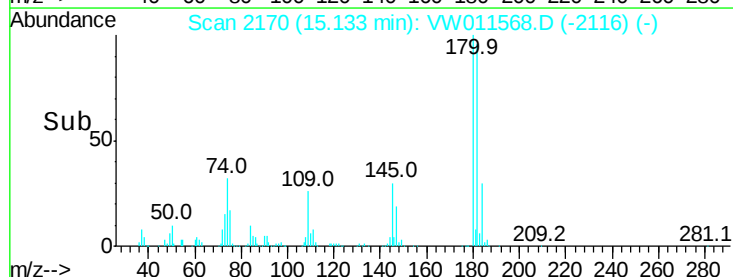
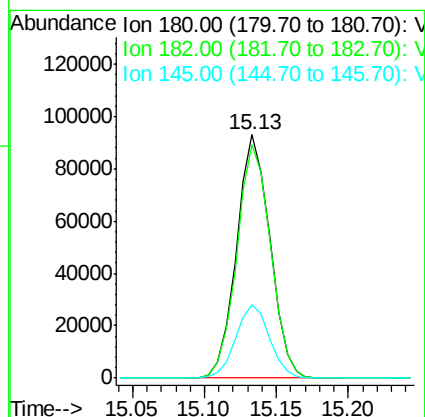
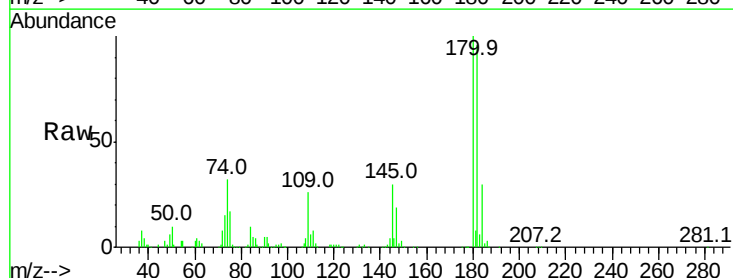
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

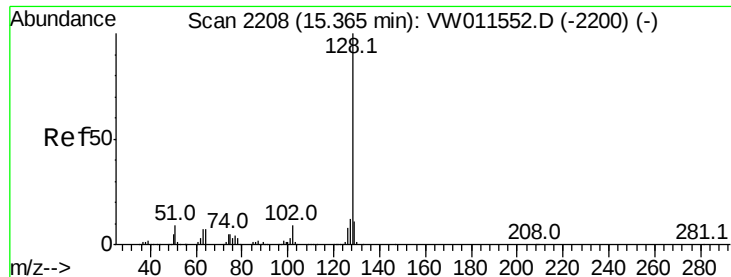
Tgt Ion:	180	Resp:	183985
Ion Ratio	Lower	Upper	
180	100		
182	94.9	76.1	114.1
184	30.2	24.7	37.1
145	28.8	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 26.777 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011568.D
 Acq: 30 Jul 2019 10:22

Tgt Ion:	180	Resp:	150364
Ion Ratio	Lower	Upper	
180	100		
182	96.6	76.4	114.6
145	30.4	24.2	36.2





#69

Naphthalene

Concen: 28.160 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

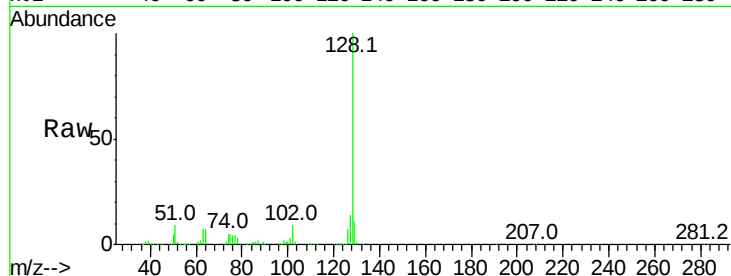
Tgt Ion:128 Resp: 321888

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

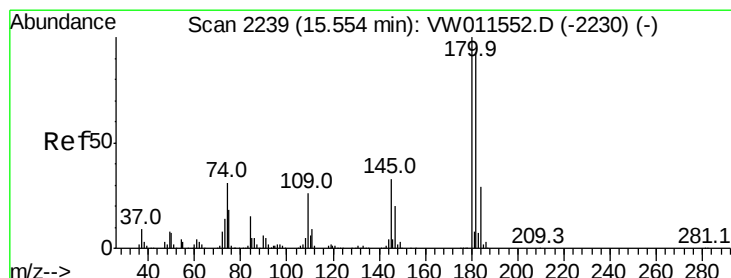
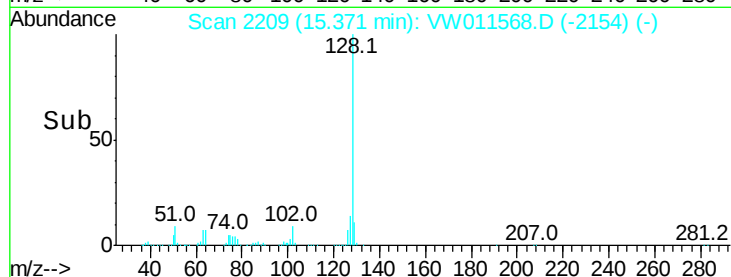
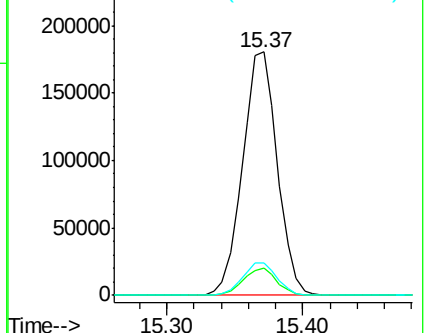
127 13.3 10.5 15.7



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: 27.577 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW011568.D

Acq: 30 Jul 2019 10:22

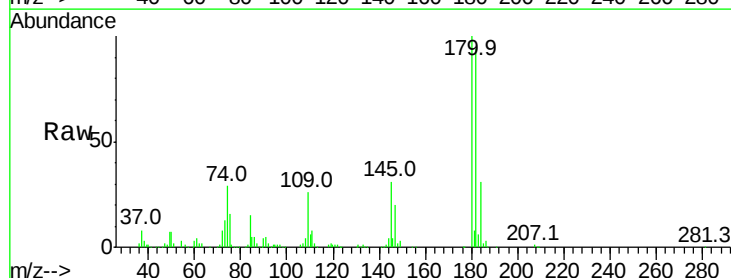
Tgt Ion:180 Resp: 140290

Ion Ratio Lower Upper

180 100

182 93.6 75.8 113.8

145 32.0 25.3 37.9



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

