

Data File : VW010763.D
Acq On : 11 Jun 2019 11:17
Operator : SY/VA
Sample : VSTD02522
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

Quant Time: Jun 11 11:57:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 11:52:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	391680	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	356439	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	167534	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	128478	29.74	ug/L	-0.01
7) Chloroethane-d5	2.88	69	98965	30.07	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	271659	25.08	ug/L	0.00
20) 2-Butanone-d5	7.08	46	97447	46.41	ug/L	0.00
24) Chloroform-d	7.65	84	202313	19.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	156834	25.52	ug/L	0.00
29) Benzene-d6	8.27	84	507759	25.87	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	164946	26.61	ug/L	0.00
37) Toluene-d8	10.32	98	458856	26.58	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	74375	27.02	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	79381	51.29	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141353	24.19	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	153236	24.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	156616	30.216 ug/L	95
3) Chloromethane	2.21	50	171603	34.816 ug/L	99
5) Vinyl chloride	2.35	62	156805	28.748 ug/L	99
6) Bromomethane	2.76	94	70930	23.611 ug/L	97
8) Chloroethane	2.92	64	93389	31.264 ug/L	96
9) Trichlorofluoromethane	3.26	101	208463	75.145 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	117897	22.437 ug/L	96
12) 1,1-Dichloroethene	4.04	96	108679	20.510 ug/L	90
13) Acetone	4.12	43	115745	70.071 ug/L	96
14) Carbon disulfide	4.38	76	313153	20.613 ug/L	98
15) Methyl Acetate	4.67	43	91324	25.241 ug/L	95
16) Methylene chloride	4.92	84	126676	19.482 ug/L	92
17) Methyl tert-butyl Ether	5.43	73	367469	52.403 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	122705	23.154 ug/L	93
19) 1,1-Dichloroethane	6.22	63	258387	24.834 ug/L	98
21) 2-Butanone	7.17	43	147828	58.663 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	141331	24.652 ug/L	93
23) Bromochloromethane	7.51	128	57537	21.908 ug/L	84
25) Chloroform	7.68	83	290092	28.193 ug/L	100
27) 1,2-Dichloroethane	8.40	62	190085	25.242 ug/L	98
30) Cyclohexane	7.96	56	248195	28.372 ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	210743	28.687 ug/L	98
32) Carbon tetrachloride	8.07	117	175834	23.240 ug/L	98
34) Benzene	8.32	78	535616	24.834 ug/L	100
35) Trichloroethene	9.09	95	135897	24.392 ug/L	99
36) Methylcyclohexane	9.34	83	230536	24.657 ug/L	96
40) 1,2-Dichloropropane	9.37	63	152404	27.225 ug/L	99
41) Bromodichloromethane	9.65	83	182121	25.124 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	233067	27.639 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	290935	60.917 ug/L	98

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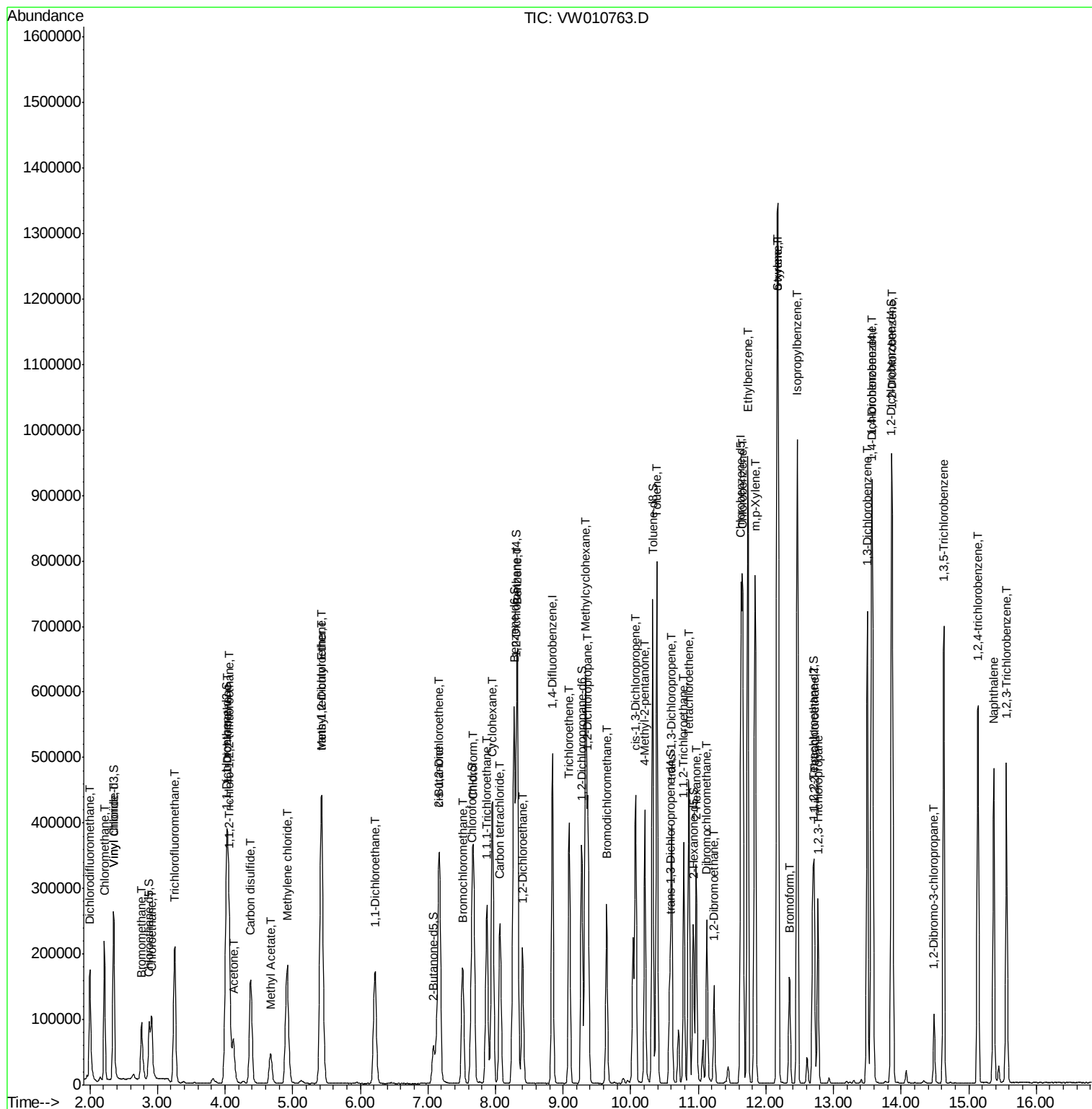
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	560329	24.958	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	199710	27.524	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	108137	25.367	ug/L	98
47) Tetrachloroethene	10.86	164	101470	23.656	ug/L	98
49) 2-Hexanone	10.97	43	222673	63.195	ug/L	98
50) Dibromochloromethane	11.13	129	121583	24.830	ug/L	94
51) 1,2-Dibromoethane	11.24	107	101230	24.328	ug/L	99
52) Chlorobenzene	11.66	112	351196	24.423	ug/L	97
53) Ethylbenzene	11.73	91	644702	25.722	ug/L	100
54) m,p-Xylene	11.84	106	230175	24.926	ug/L	95
55) o-xylene	12.16	106	226333	25.984	ug/L	97
56) Styrene	12.18	104	396695	26.114	ug/L	97
57) Isopropylbenzene	12.46	105	619957	26.263	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	146301	25.585	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	114741	26.353	ug/L	99
62) Bromoform	12.35	173	72840	25.863	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	269271	26.410	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	270701	24.854	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	252039	25.600	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	26551	25.831	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	205344	26.654	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	176611	28.321	ug/L	99
69) Naphthalene	15.37	128	387000	28.017	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	158036	26.476	ug/L	99

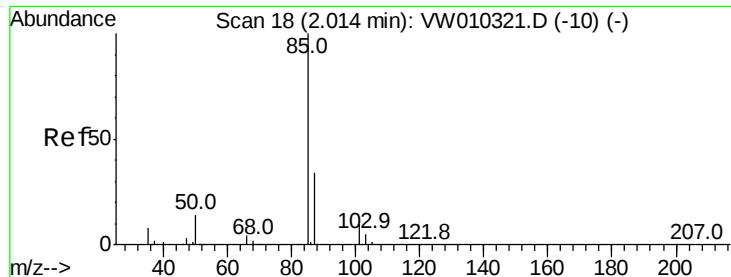
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 30.216 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

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Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

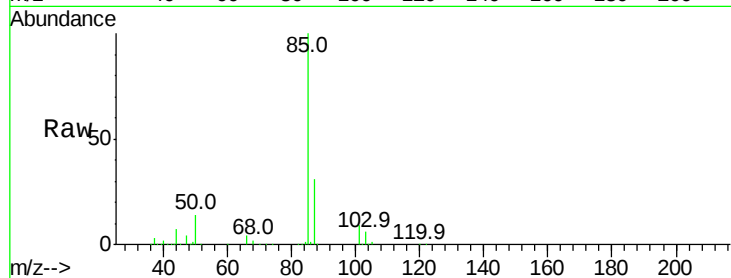
VSTD02515

Tgt Ion: 85 Resp: 156616

Ion Ratio Lower Upper

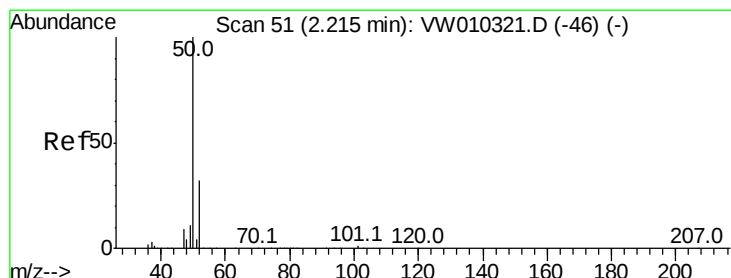
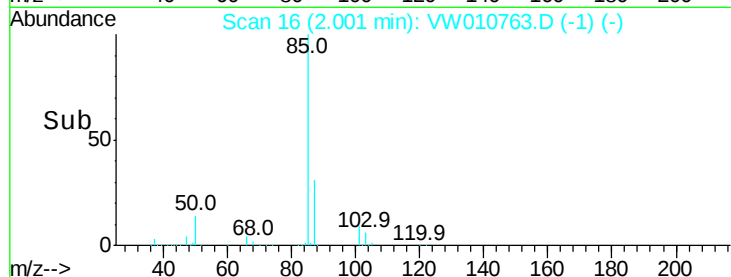
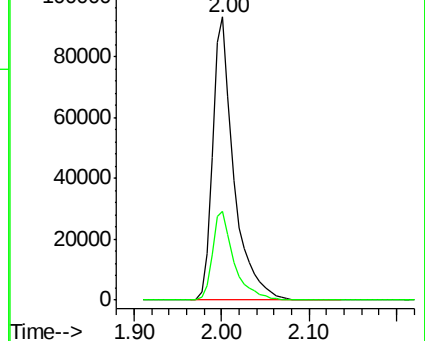
85 100

87 32.0 20.6 38.2



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 34.816 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010763.D

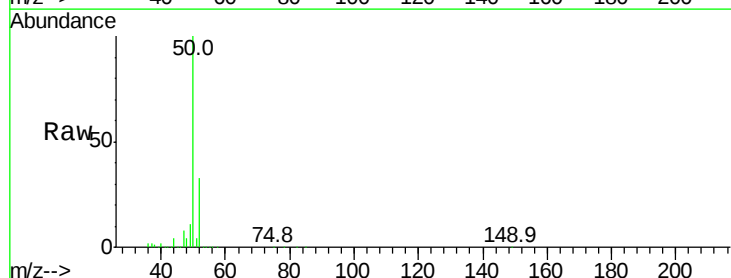
Acq: 11 Jun 2019 11:17

Tgt Ion: 50 Resp: 171603

Ion Ratio Lower Upper

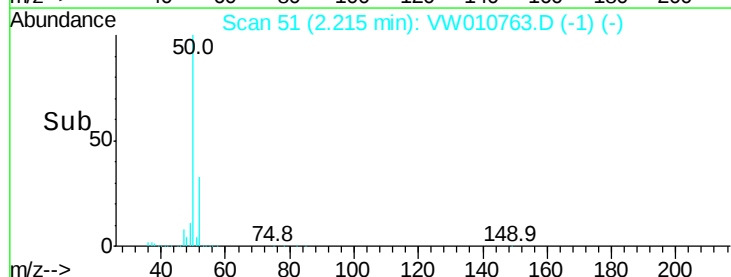
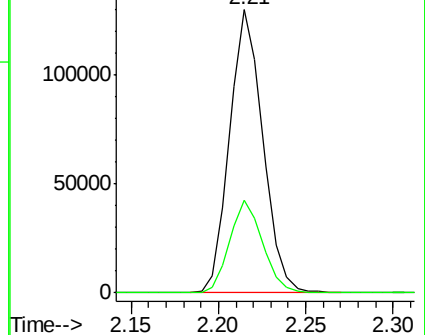
50 100

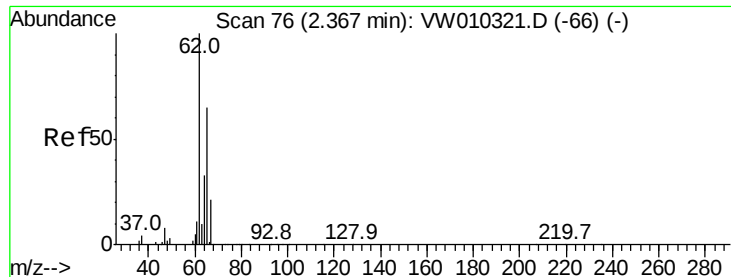
52 32.6 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 28.748 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

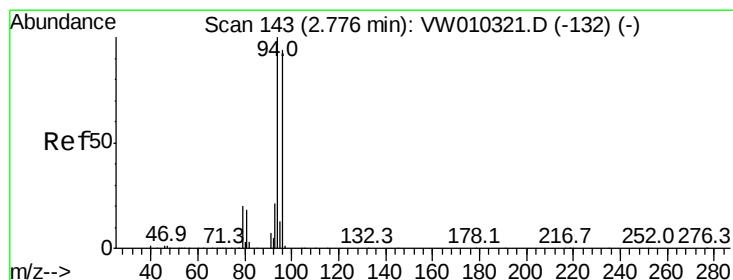
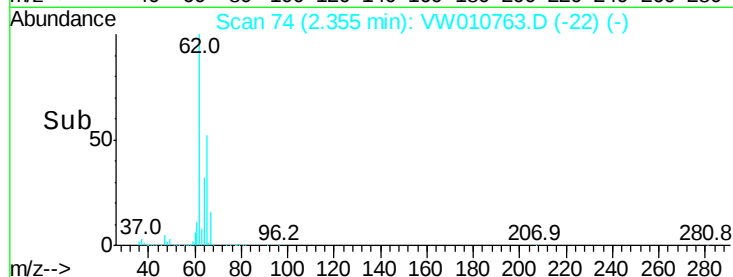
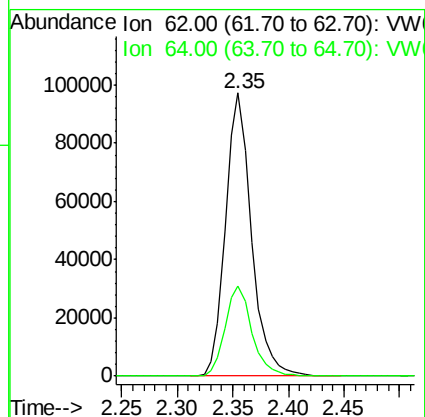
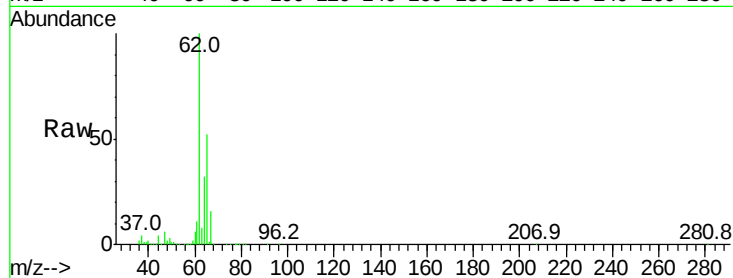
VSTD02515

Tgt Ion: 62 Resp: 156805

Ion Ratio Lower Upper

62 100

64 32.0 22.9 42.5



#6

Bromomethane

Concen: 23.611 ug/L

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW010763.D

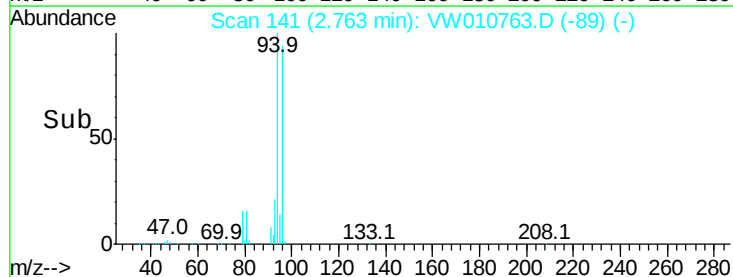
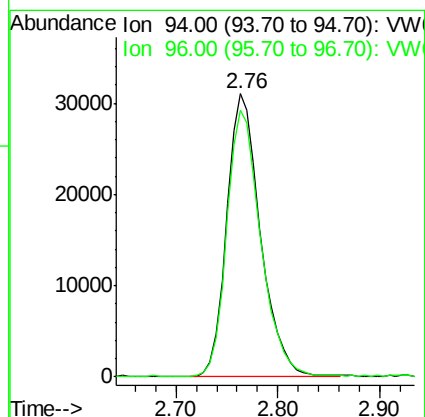
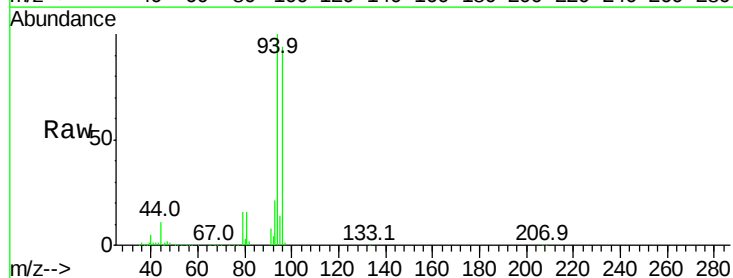
Acq: 11 Jun 2019 11:17

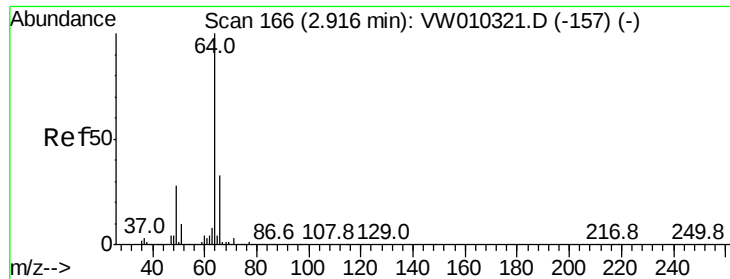
Tgt Ion: 94 Resp: 70930

Ion Ratio Lower Upper

94 100

96 95.1 9.3 175.9





#8

Chloroethane

Concen: 31.264 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

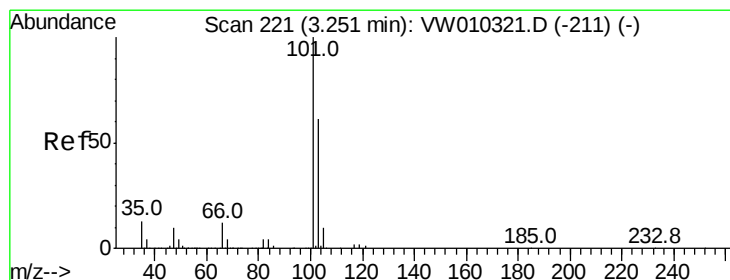
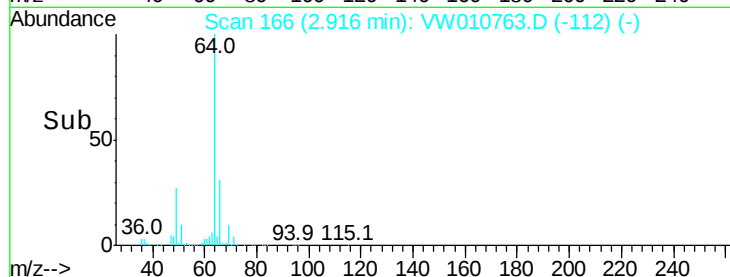
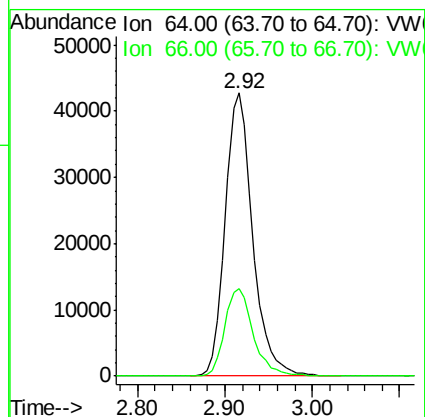
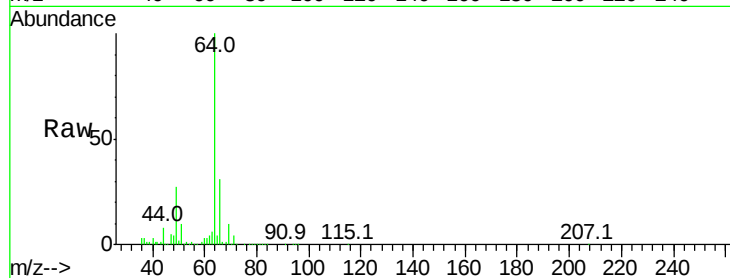
VSTD02515

Tgt Ion: 64 Resp: 93389

Ion Ratio Lower Upper

64 100

66 31.1 23.4 43.6



#9

Trichlorofluoromethane

Concen: 75.145 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW010763.D

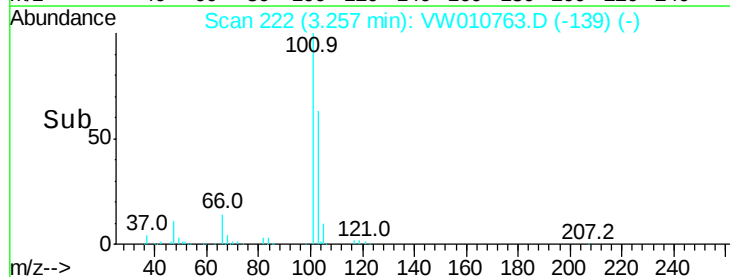
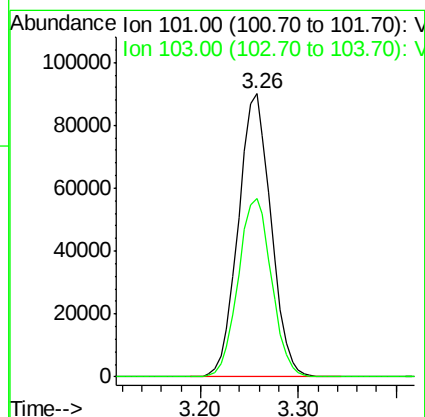
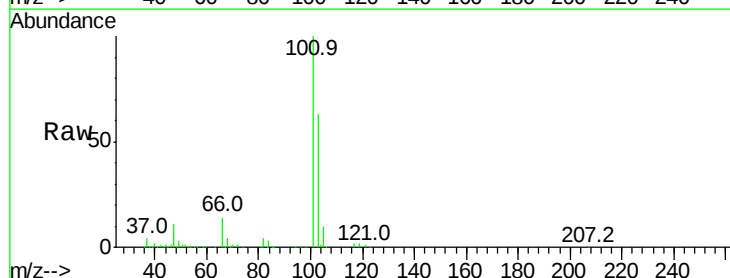
Acq: 11 Jun 2019 11:17

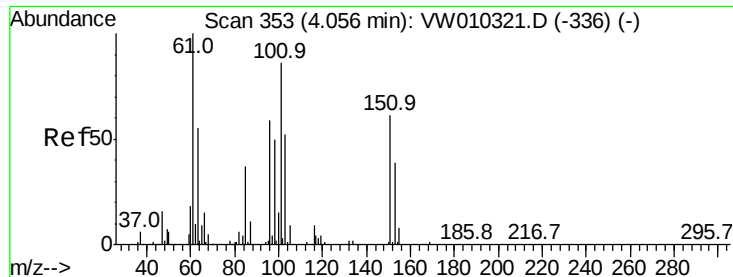
Tgt Ion: 101 Resp: 208463

Ion Ratio Lower Upper

101 100

103 64.4 44.9 83.3





#11

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

Concen: 22.437 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

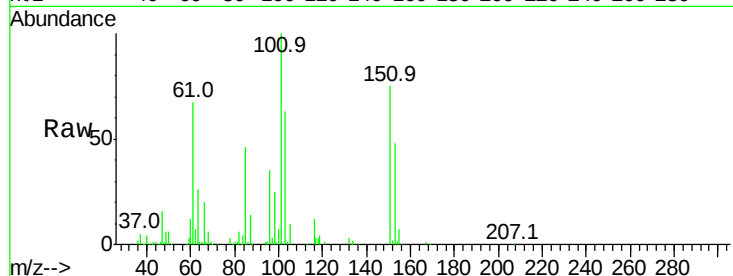
Tgt Ion:101 Resp: 117897

Ion Ratio Lower Upper

101 100

85 44.9 34.2 51.2

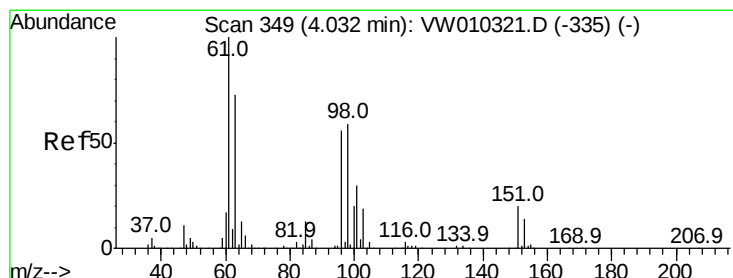
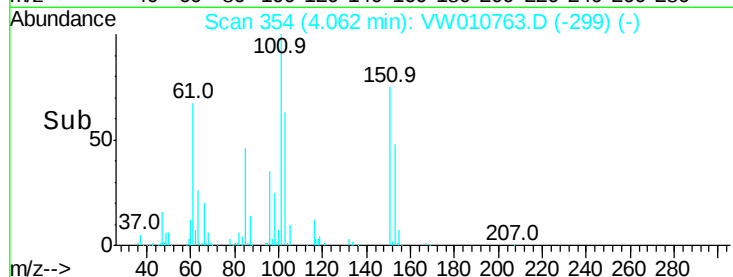
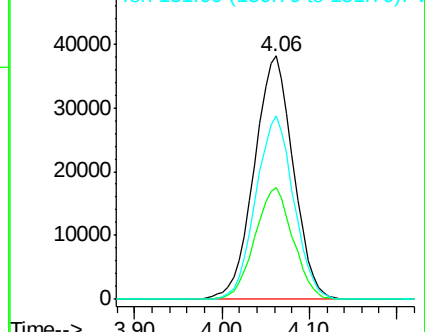
151 73.3 55.8 83.8



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: 20.510 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

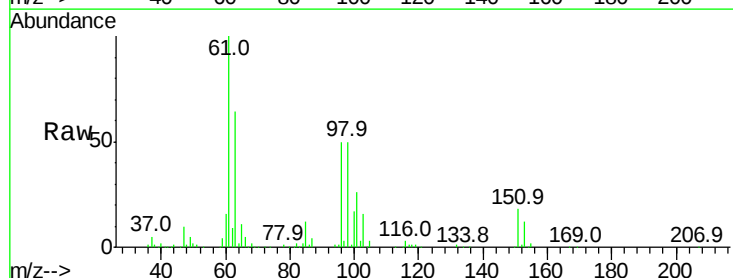
Tgt Ion: 96 Resp: 108679

Ion Ratio Lower Upper

96 100

61 199.8 125.4 233.0

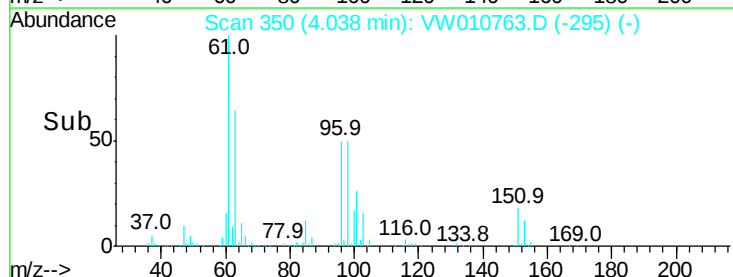
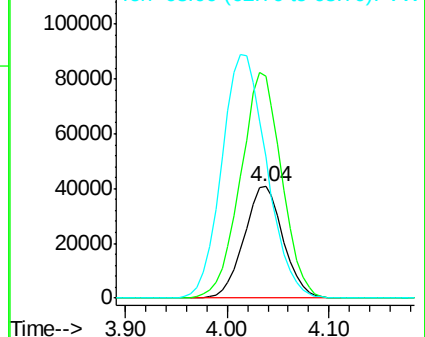
63 127.5 92.3 171.3

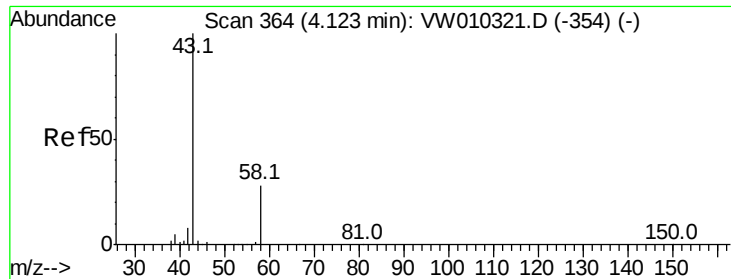


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 70.071 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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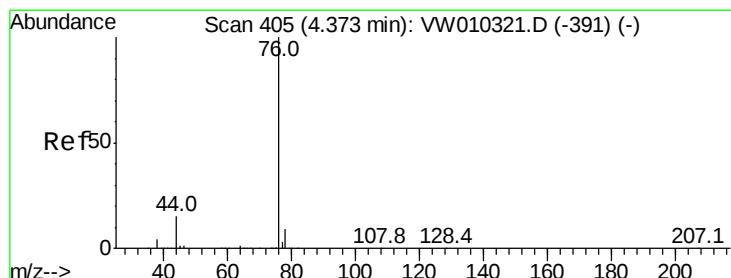
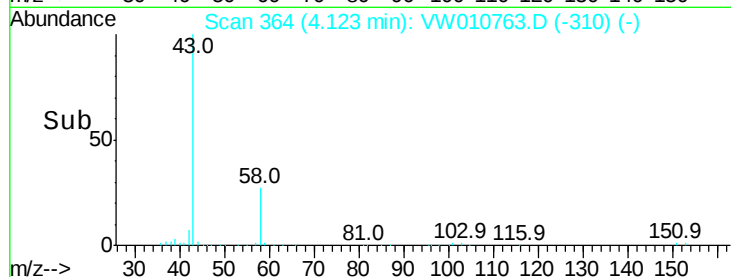
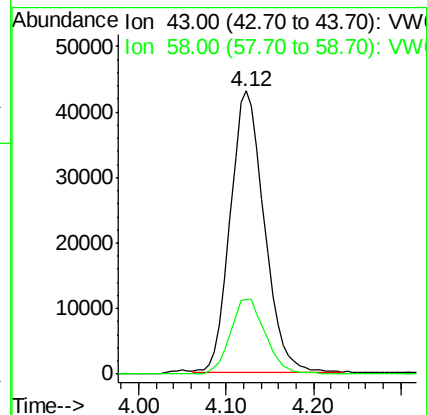
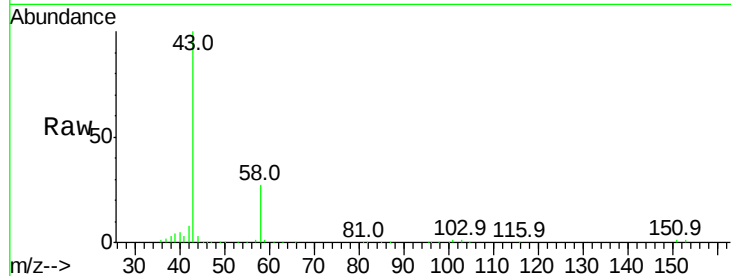
VSTD02515

Tgt Ion: 43 Resp: 115745

Ion Ratio Lower Upper

43 100

58 27.3 0.0 59.0



#14

Carbon disulfide

Concen: 20.613 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010763.D

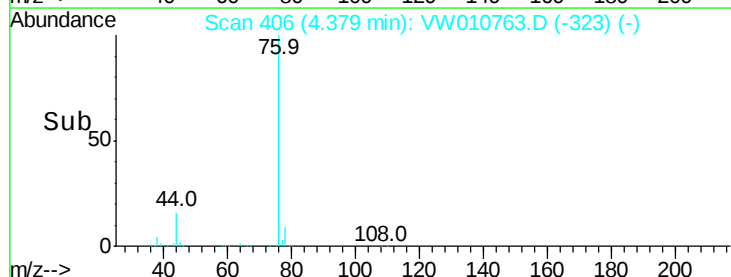
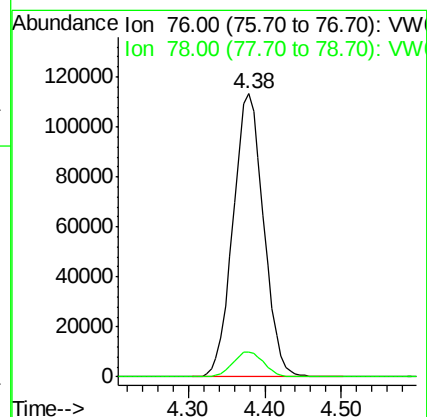
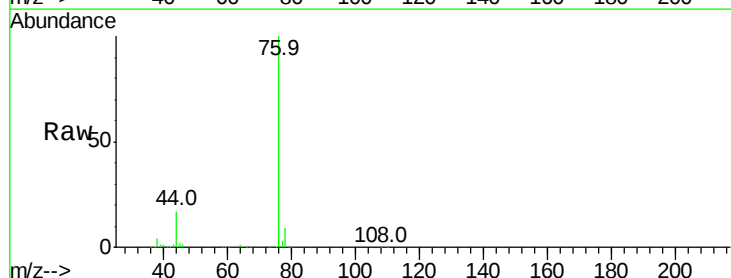
Acq: 11 Jun 2019 11:17

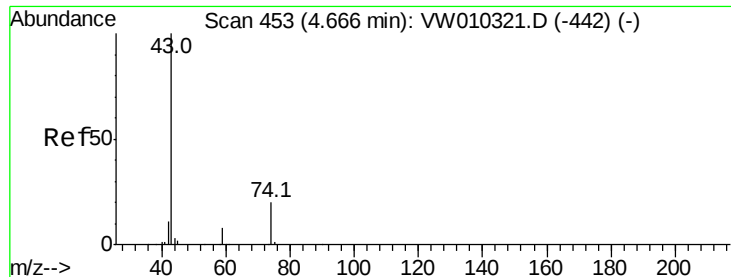
Tgt Ion: 76 Resp: 313153

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4

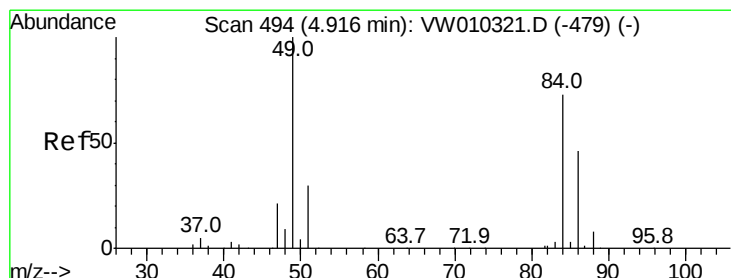
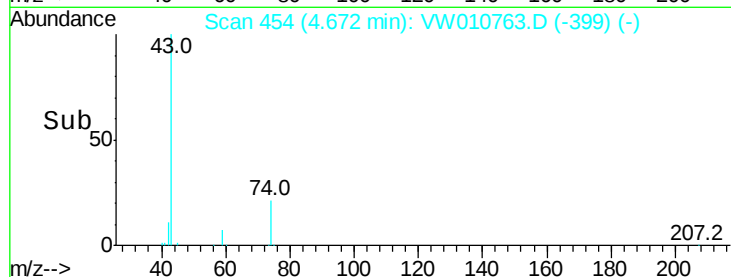
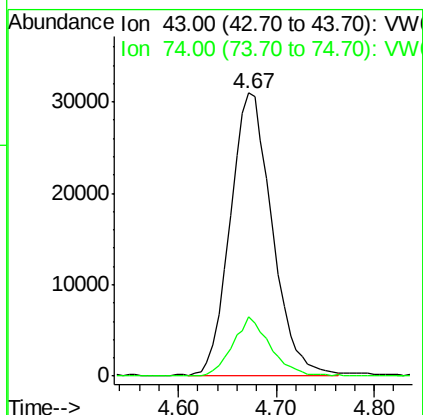
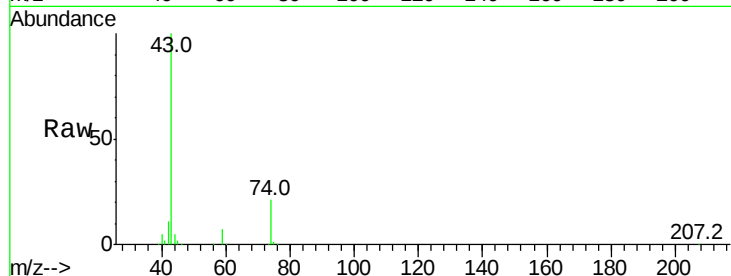




#15
Methyl Acetate
Concen: 25.241 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

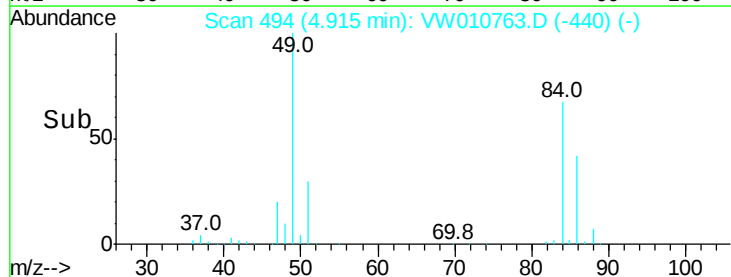
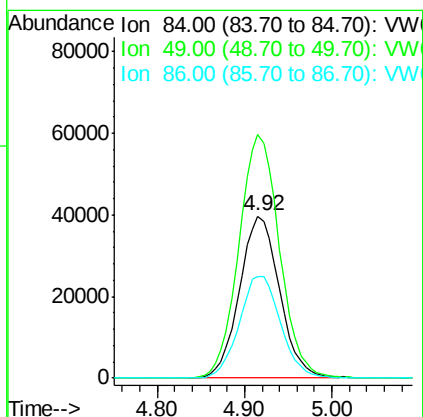
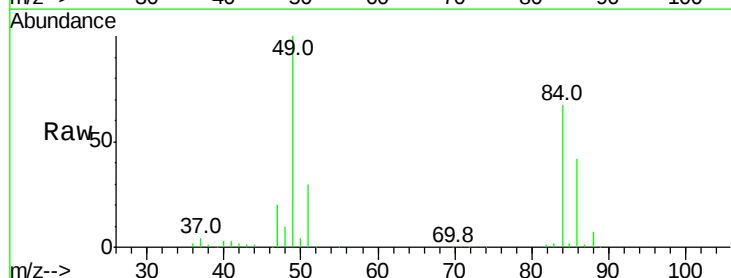
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

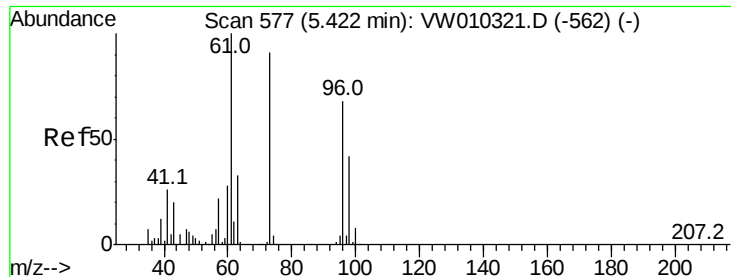
Tgt Ion: 43 Resp: 91324
Ion Ratio Lower Upper
43 100
74 18.8 16.7 25.1



#16
Methylene chloride
Concen: 19.482 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

Tgt Ion: 84 Resp: 126676
Ion Ratio Lower Upper
84 100
49 150.3 95.5 177.4
86 62.4 44.0 81.6

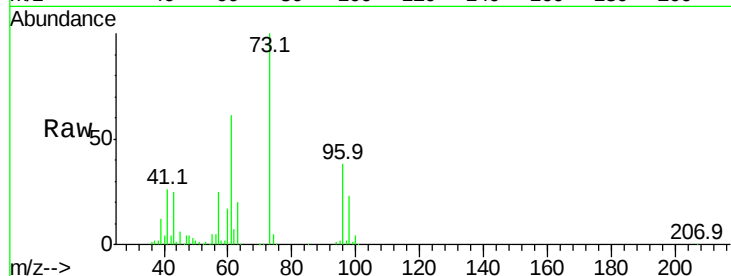




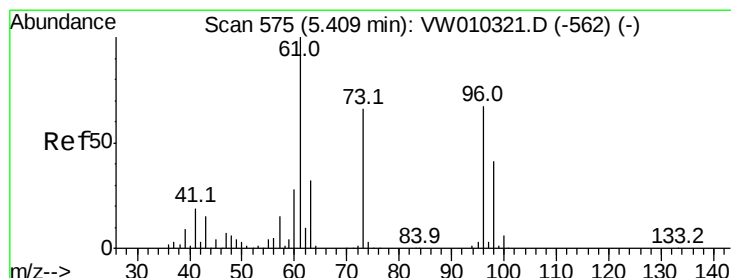
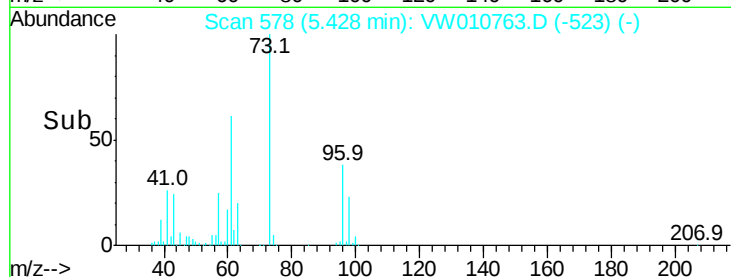
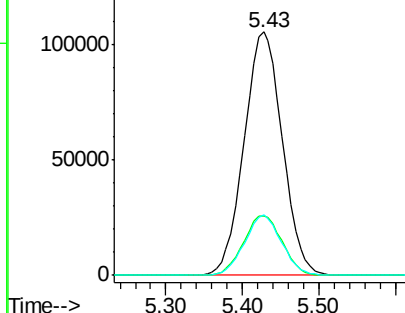
#17
Methyl tert-butyl Ether
Concen: 52.403 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTD02515

Tgt Ion: 73 Resp: 367469
Ion Ratio Lower Upper
73 100
43 24.7 18.6 27.8
57 24.0 18.6 27.8

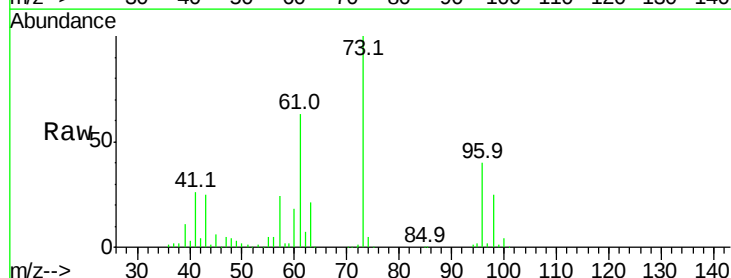


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

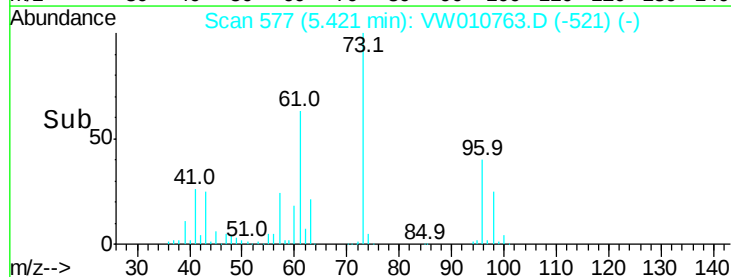
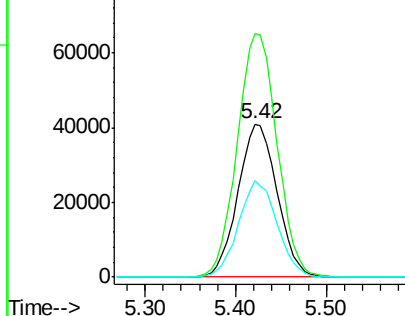


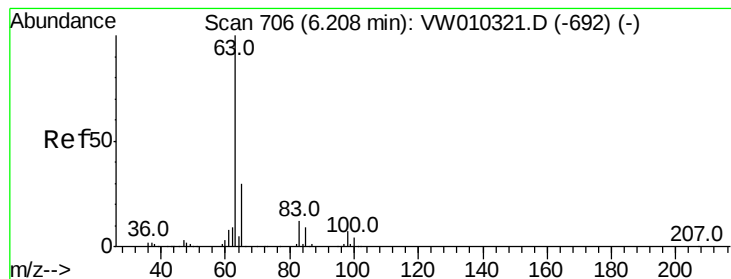
#18
trans-1,2-Dichloroethene
Concen: 23.154 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

Tgt Ion: 96 Resp: 122705
Ion Ratio Lower Upper
96 100
61 159.3 104.3 193.7
98 63.0 42.7 79.3



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 24.834 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

VSTD02515

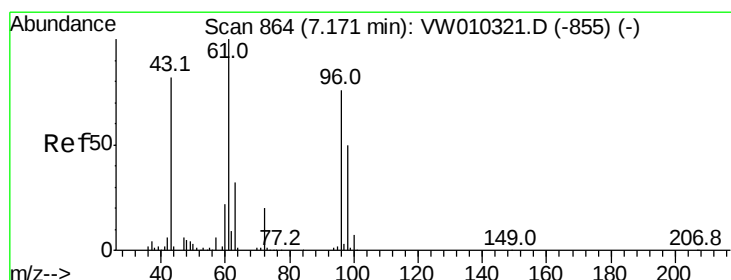
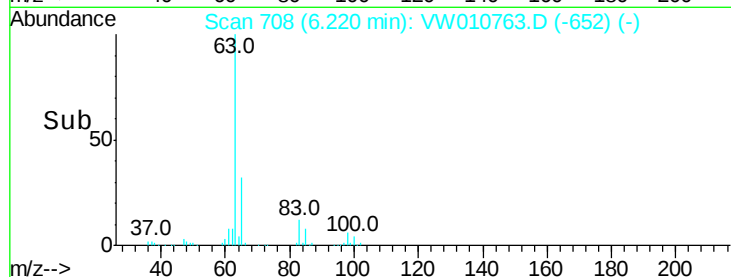
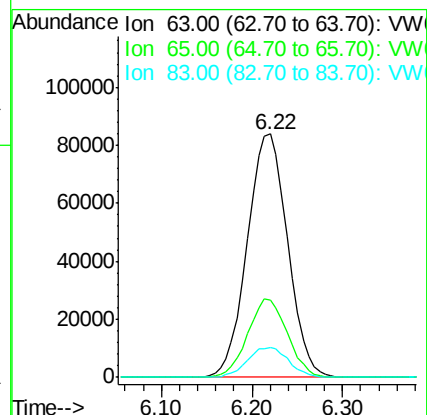
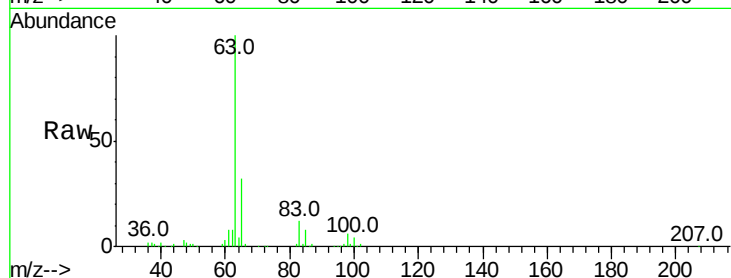
Tgt Ion: 63 Resp: 258387

Ion Ratio Lower Upper

63 100

65 31.7 21.3 39.6

83 12.3 8.7 16.1



#21

2-Butanone

Concen: 58.663 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010763.D

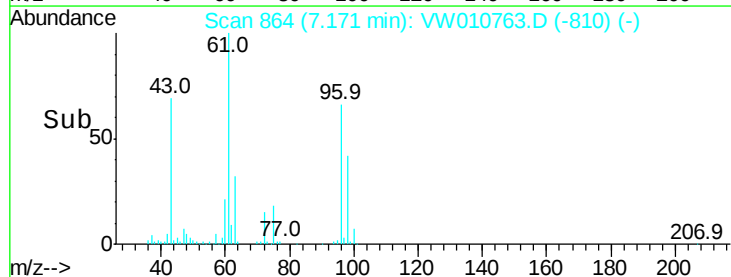
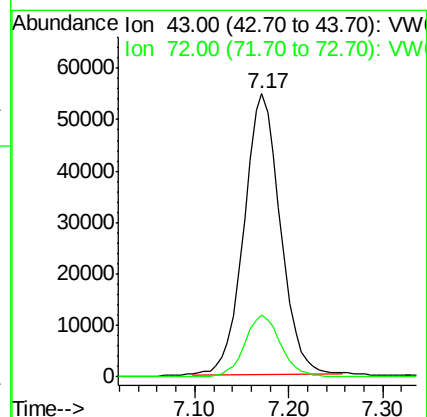
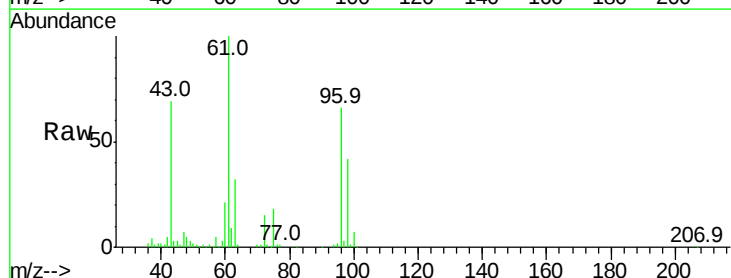
Acq: 11 Jun 2019 11:17

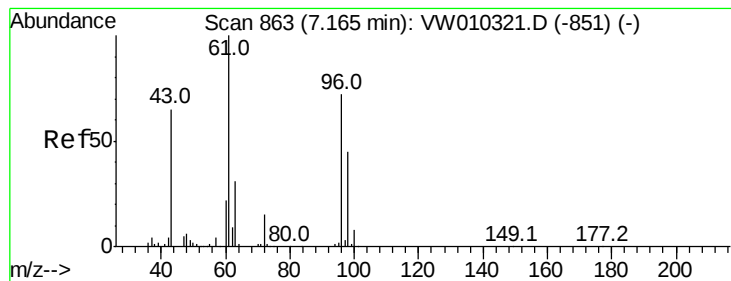
Tgt Ion: 43 Resp: 147828

Ion Ratio Lower Upper

43 100

72 22.0 12.1 36.3



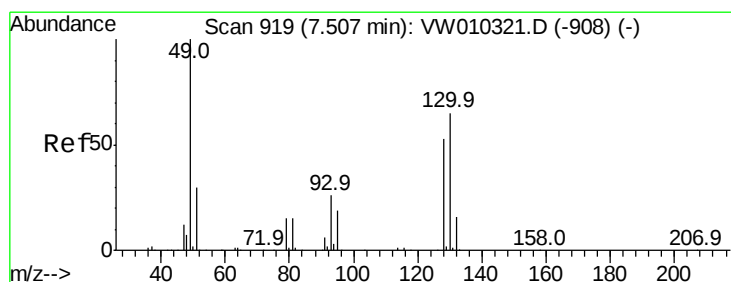
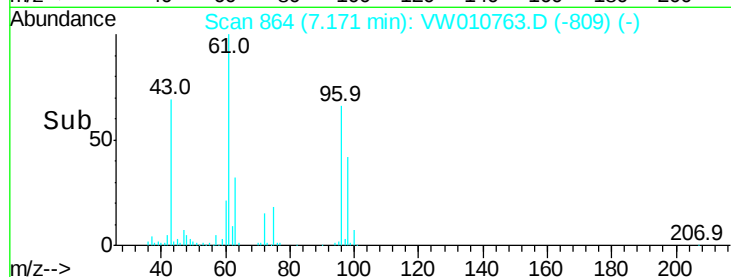
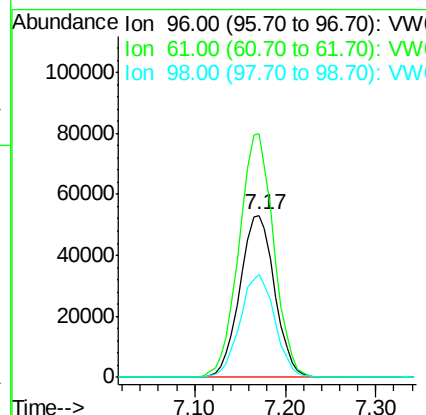
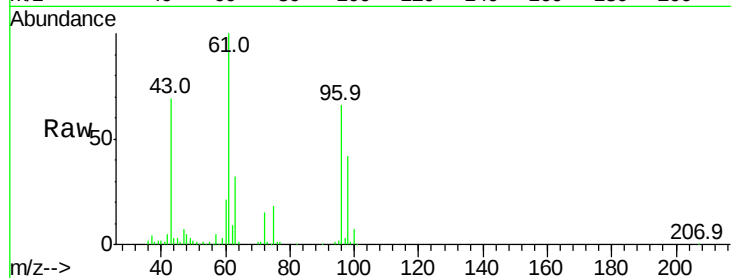


#22

cis-1,2-Dichloroethene
Concen: 24.652 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTD02515

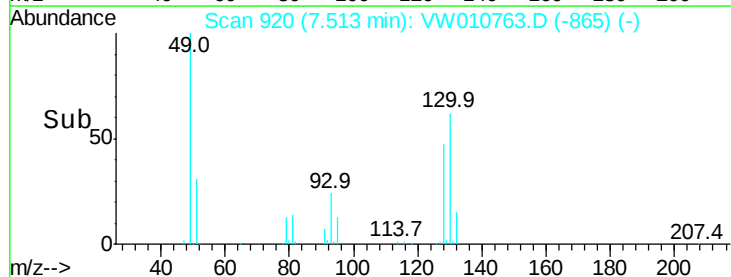
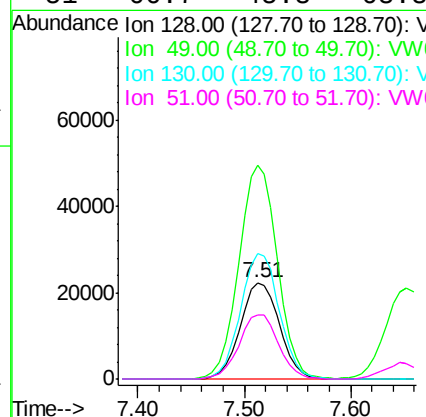
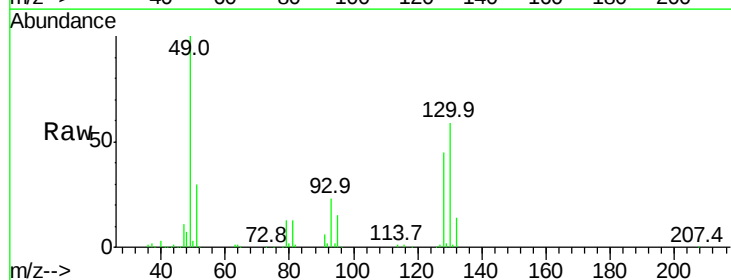
Tgt Ion: 96 Resp: 141331
Ion Ratio Lower Upper
96 100
61 150.5 97.4 180.8
98 63.7 44.0 81.8

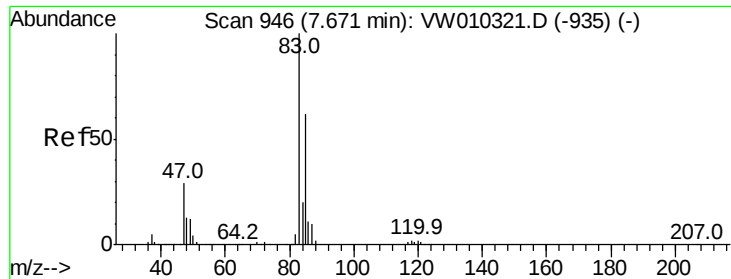


#23

Bromochloromethane
Concen: 21.908 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

Tgt Ion: 128 Resp: 57537
Ion Ratio Lower Upper
128 100
49 221.6 132.3 245.7
130 130.5 85.8 159.3
51 66.7 45.8 68.8

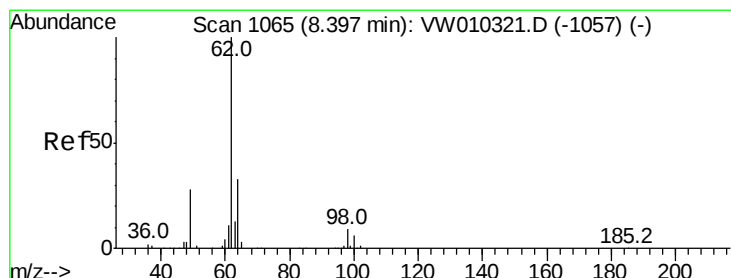
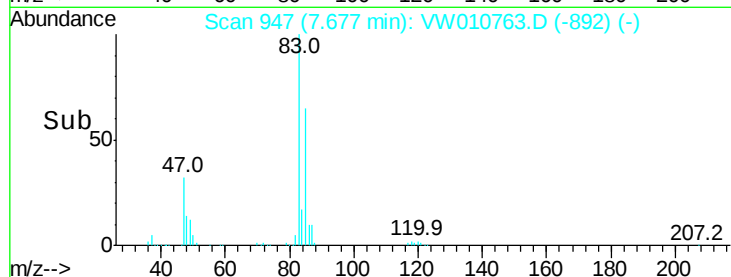
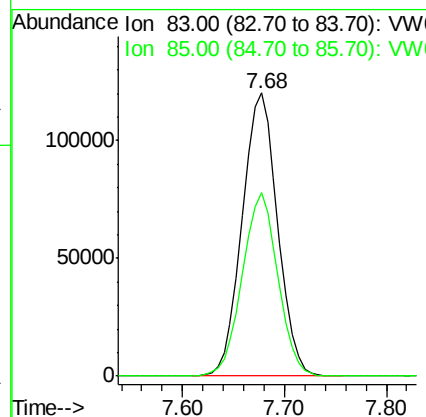
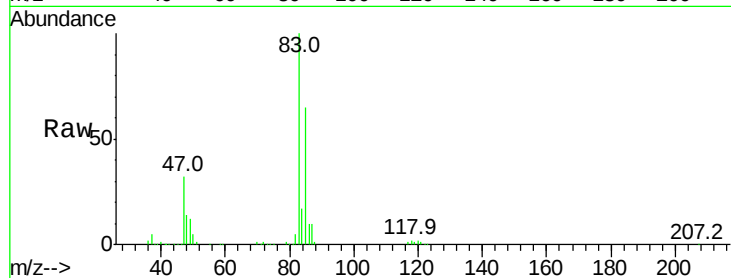




#25
Chloroform
Concen: 28.193 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

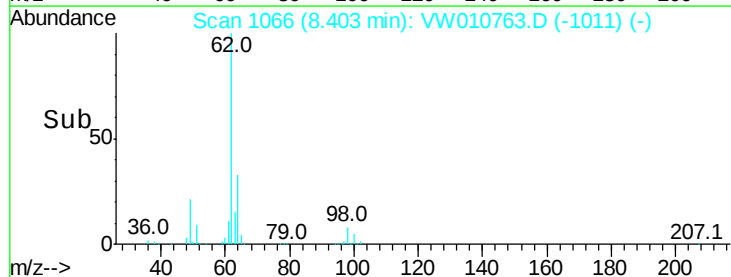
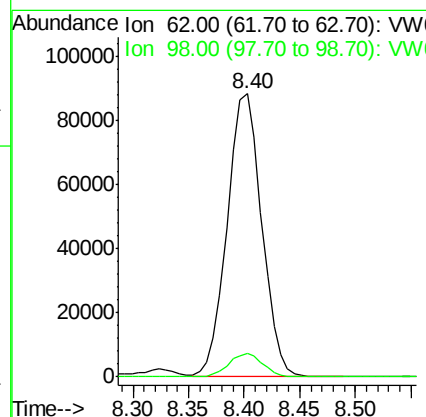
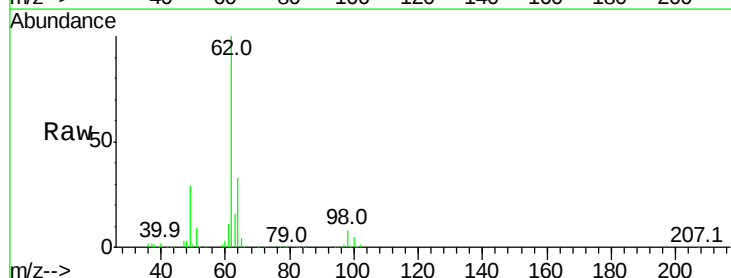
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

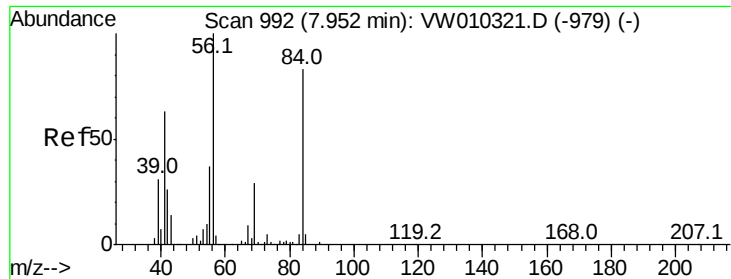
Tgt Ion: 83 Resp: 290092
Ion Ratio Lower Upper
83 100
85 64.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 25.242 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

Tgt Ion: 62 Resp: 190085
Ion Ratio Lower Upper
62 100
98 8.3 7.1 10.7

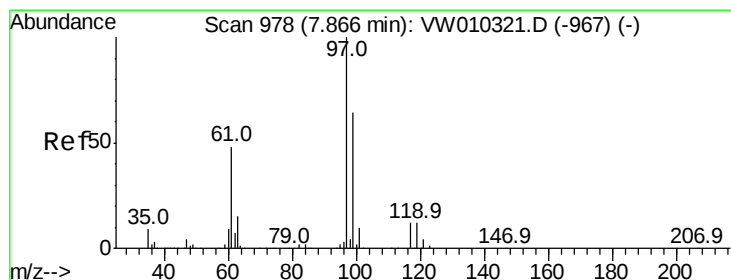
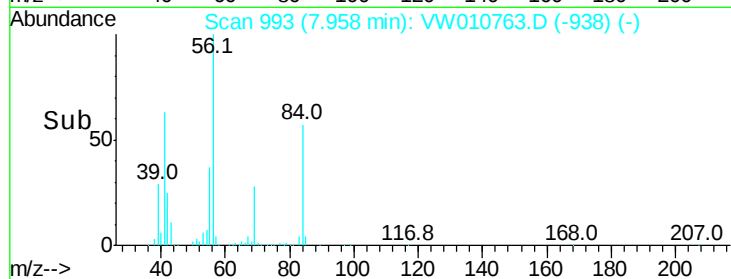
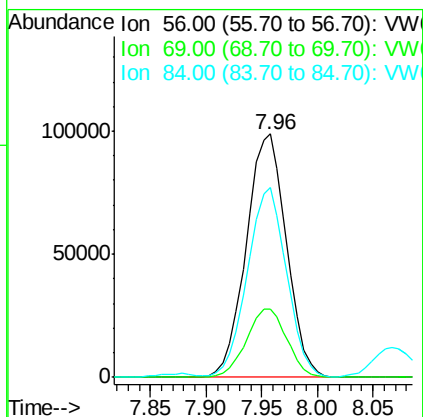
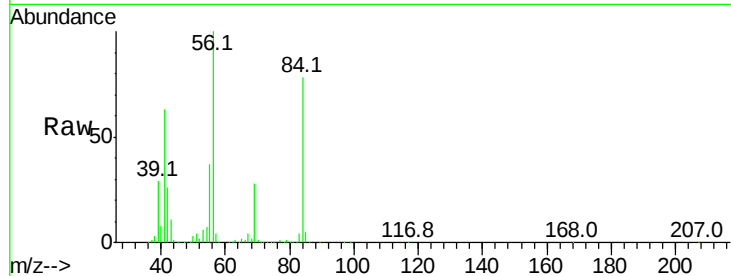




#30
Cyclohexane
Concen: 28.372 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

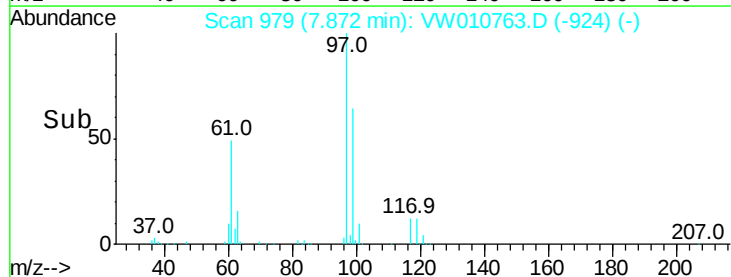
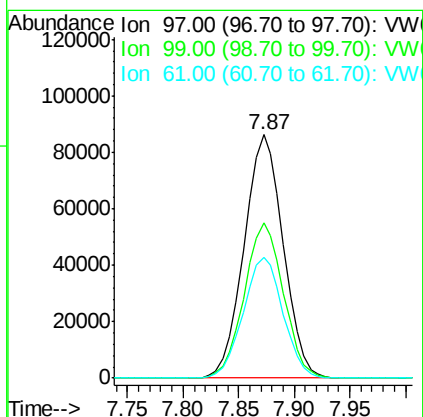
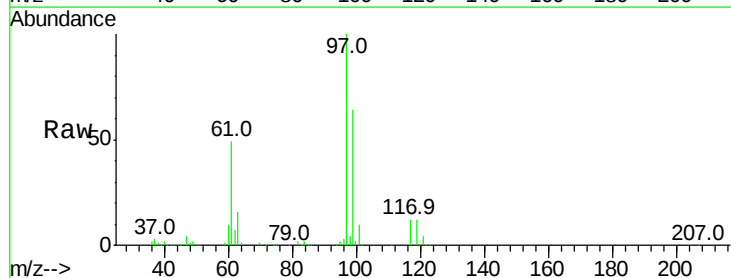
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

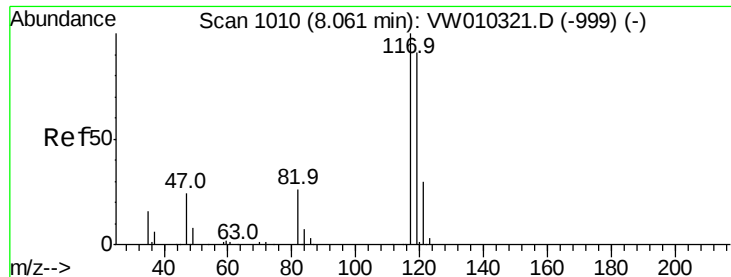
Tgt Ion: 56 Resp: 248195
Ion Ratio Lower Upper
56 100
69 28.2 23.4 35.0
84 76.4 65.2 97.8



#31
1,1,1-Trichloroethane
Concen: 28.687 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

Tgt Ion: 97 Resp: 210743
Ion Ratio Lower Upper
97 100
99 63.7 50.8 76.2
61 50.5 38.2 57.2





#32

Carbon tetrachloride

Concen: 23.240 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

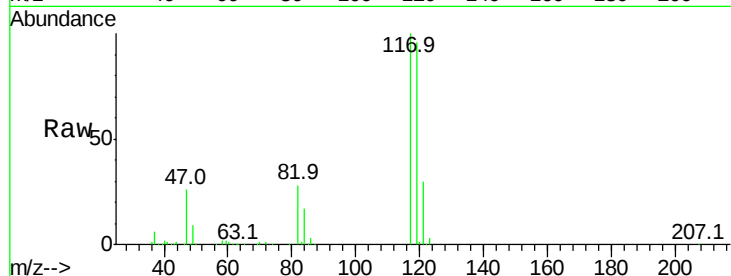
VSTD02515

Tgt Ion:117 Resp: 175834

Ion Ratio Lower Upper

117 100

119 96.2 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

80000

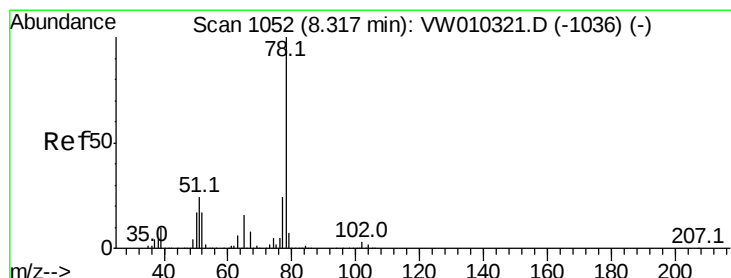
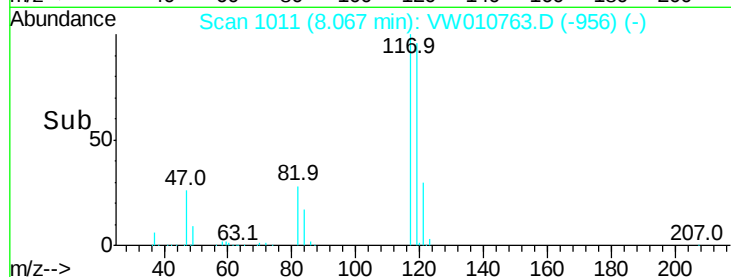
60000

40000

20000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 24.834 ug/L

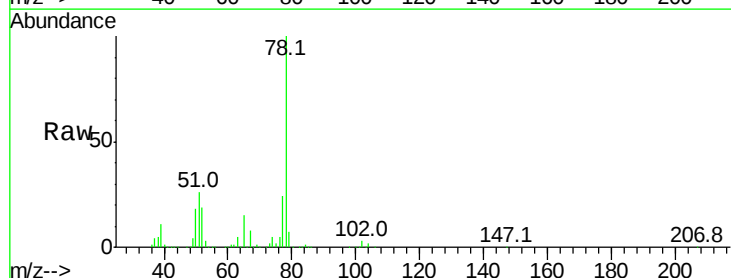
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Tgt Ion: 78 Resp: 535616



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

250000

200000

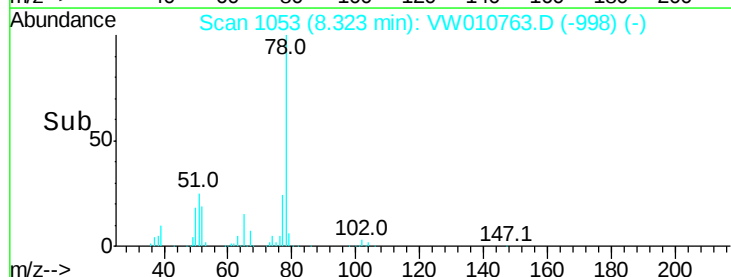
150000

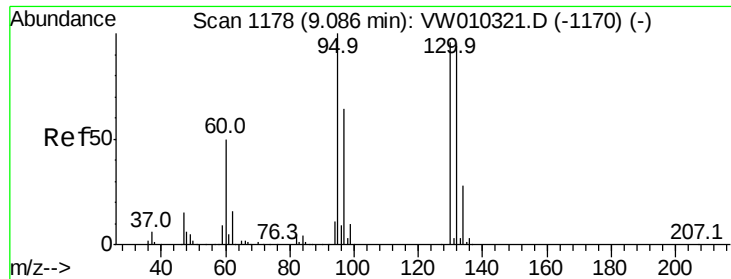
100000

50000

0

Time--> 8.20 8.30 8.40

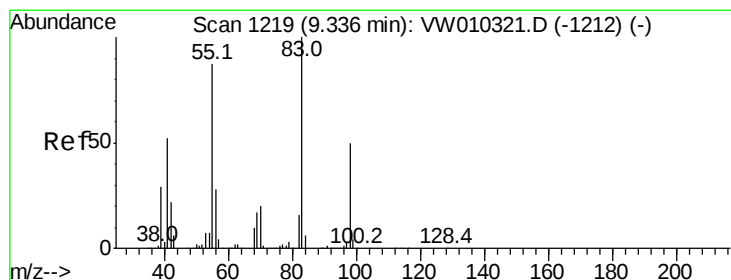
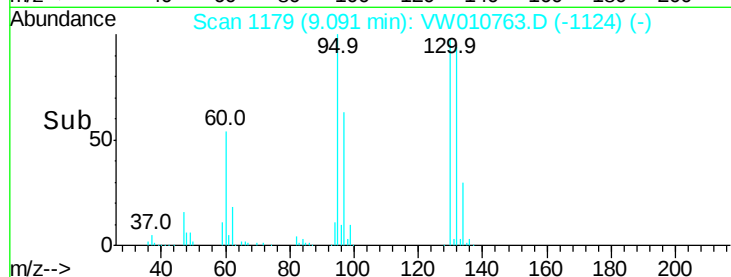
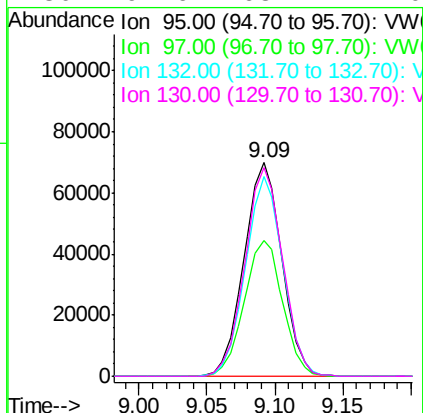
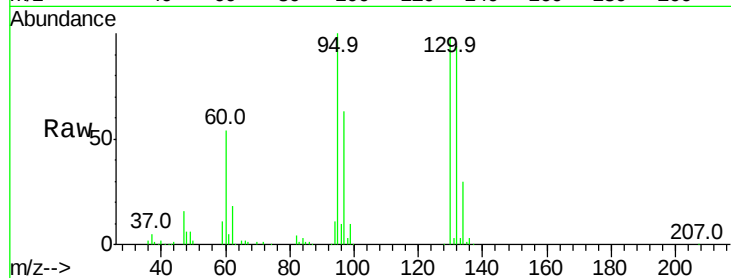




#35
 Trichloroethene
 Concen: 24.392 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW010763.D
 Acq: 11 Jun 2019 11:17

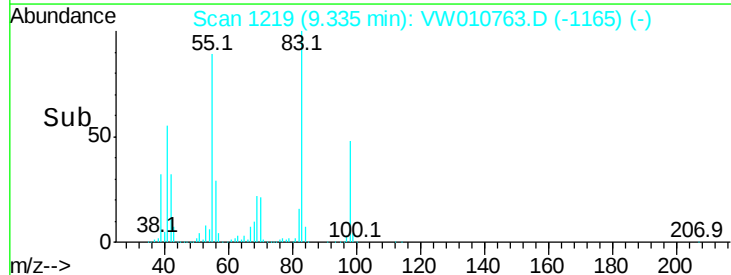
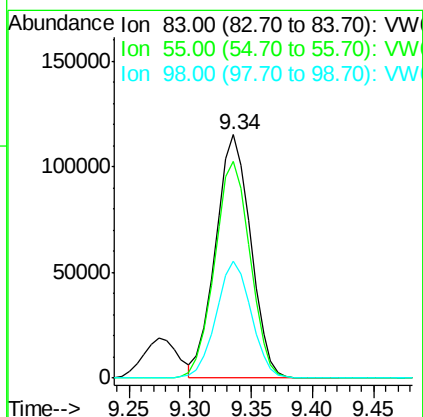
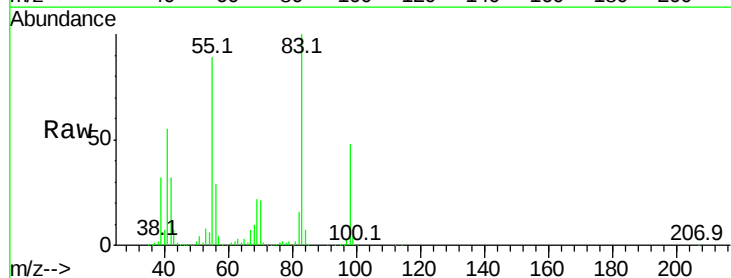
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02515

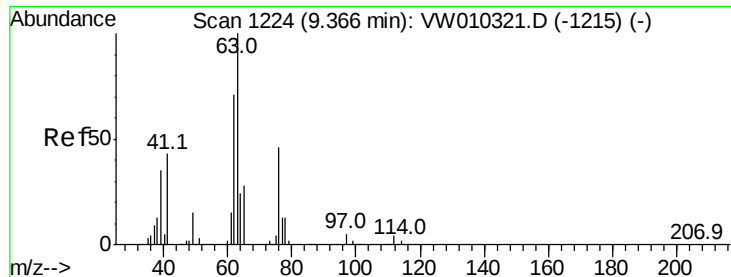
Tgt Ion:	95	Resp:	135897
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.3	82.3
132	92.8	65.7	121.9
130	97.6	68.4	127.0



#36
 Methylcyclohexane
 Concen: 24.657 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW010763.D
 Acq: 11 Jun 2019 11:17

Tgt Ion:	83	Resp:	230536
Ion	Ratio	Lower	Upper
83	100		
55	89.5	67.8	101.8
98	47.7	39.2	58.8

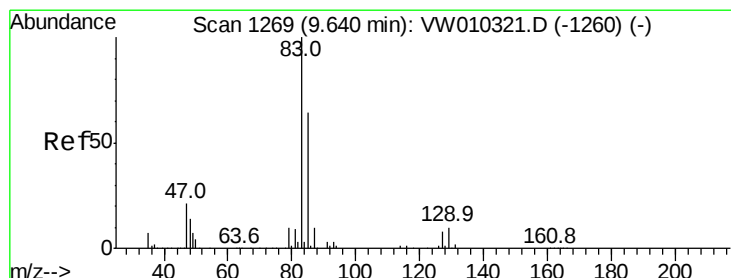
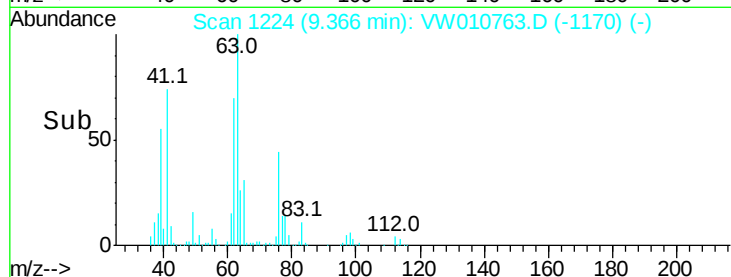
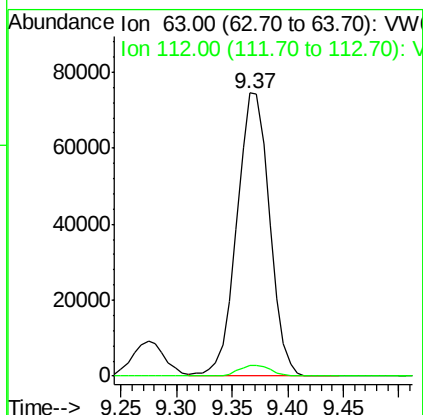
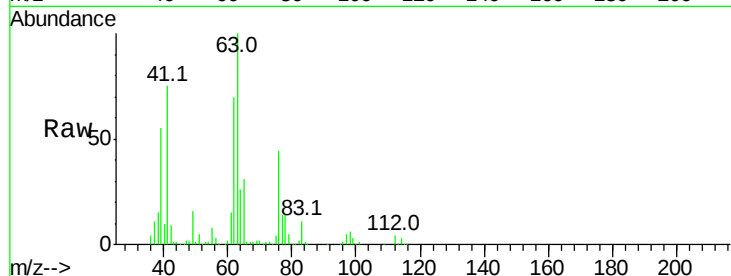




#40
 1,2-Dichloropropane
 Concen: 27.225 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010763.D
 Acq: 11 Jun 2019 11:17

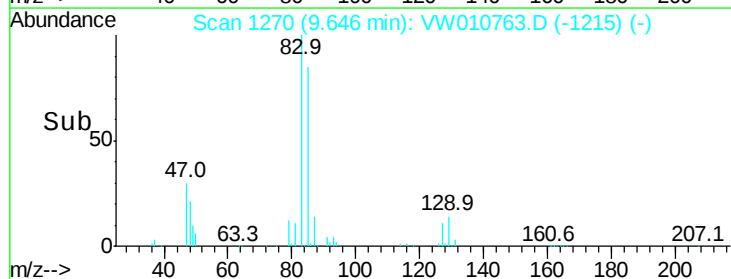
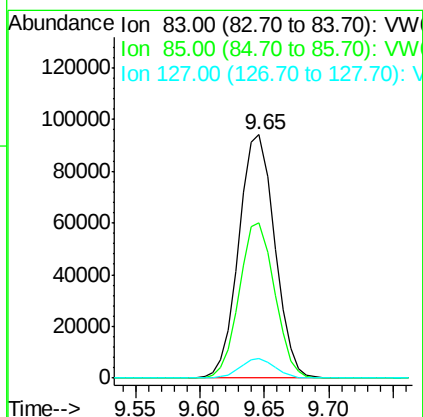
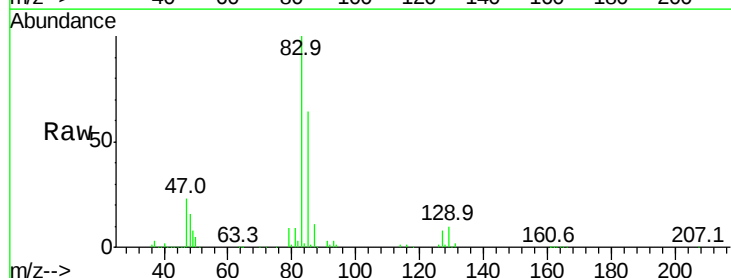
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

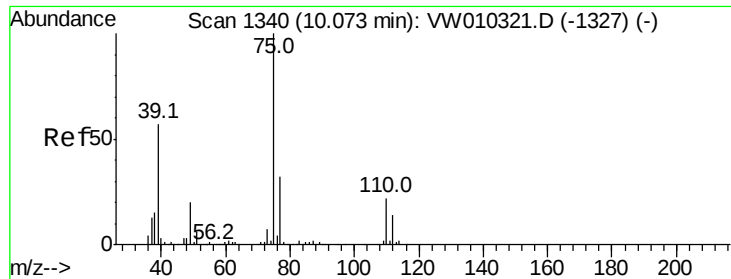
Tgt Ion: 63 Resp: 152404
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.4 5.0



#41
 Bromodichloromethane
 Concen: 25.124 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW010763.D
 Acq: 11 Jun 2019 11:17

Tgt Ion: 83 Resp: 182121
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.4 82.5
 127 8.3 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 27.639 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

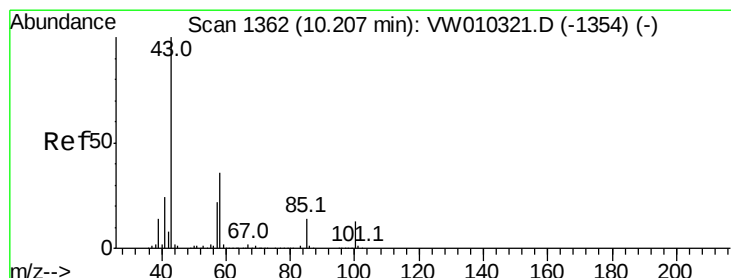
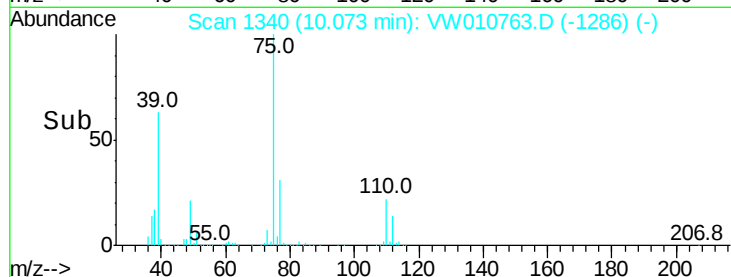
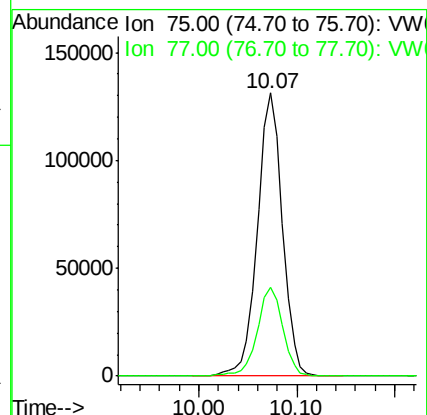
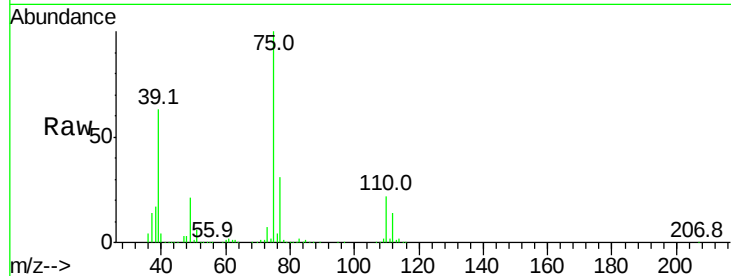
VSTD02515

Tgt Ion: 75 Resp: 233067

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 60.917 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

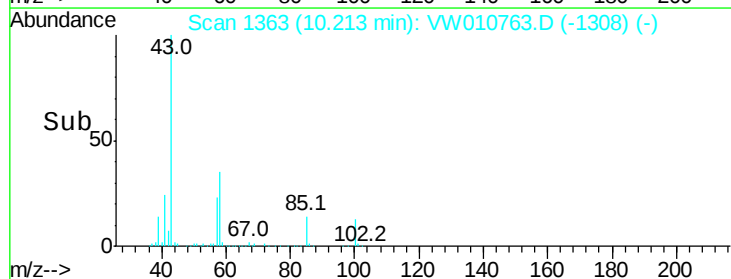
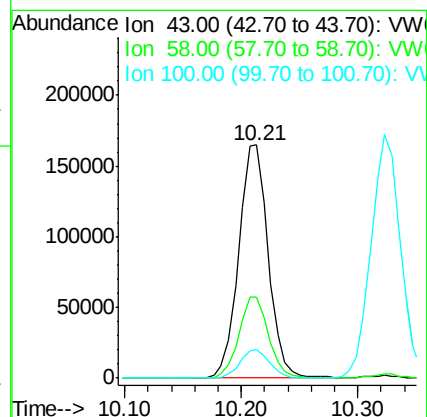
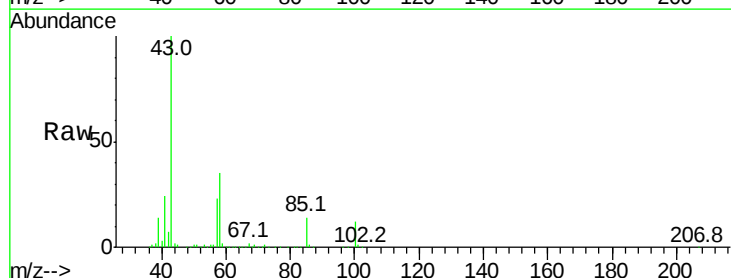
Tgt Ion: 43 Resp: 290935

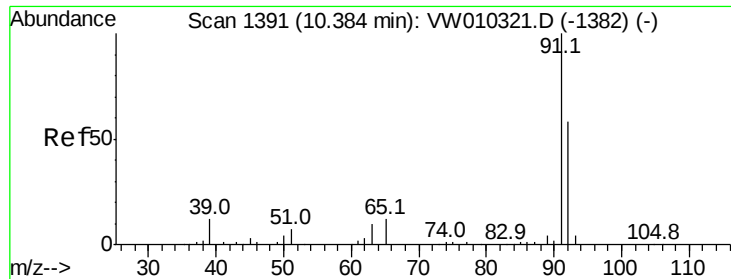
Ion Ratio Lower Upper

43 100

58 35.0 29.0 43.4

100 12.2 10.7 16.1





#44

Toluene

Concen: 24.958 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

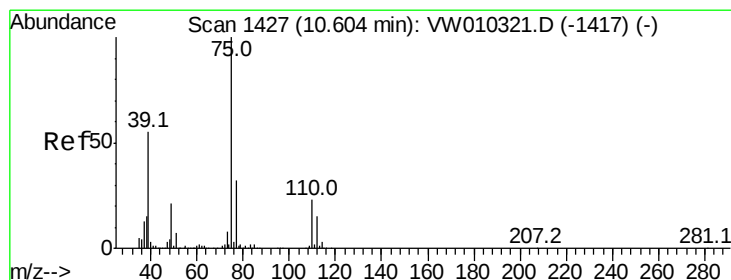
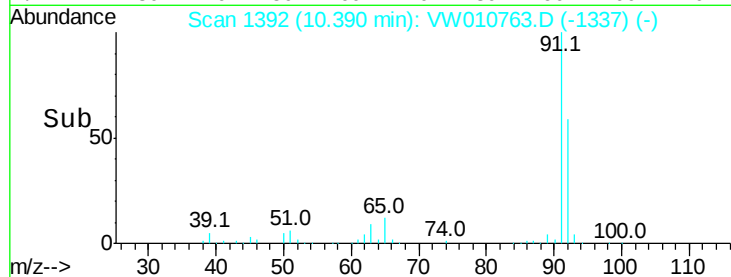
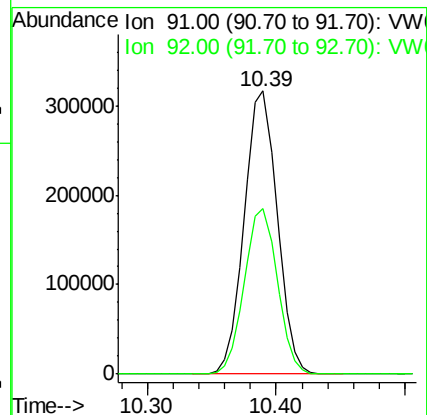
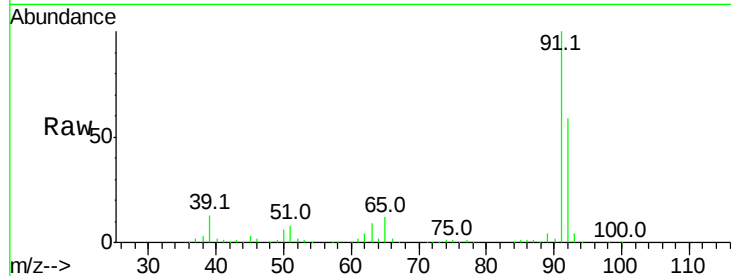
VSTD02515

Tgt Ion: 91 Resp: 560329

Ion Ratio Lower Upper

91 100

92 58.6 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 27.524 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010763.D

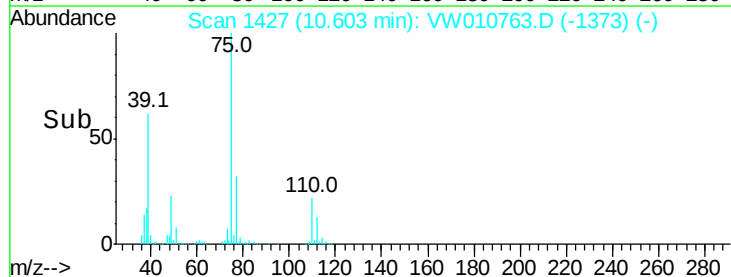
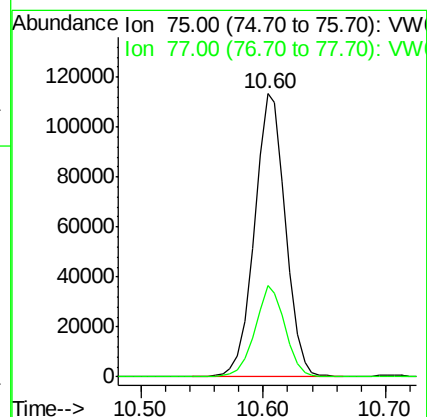
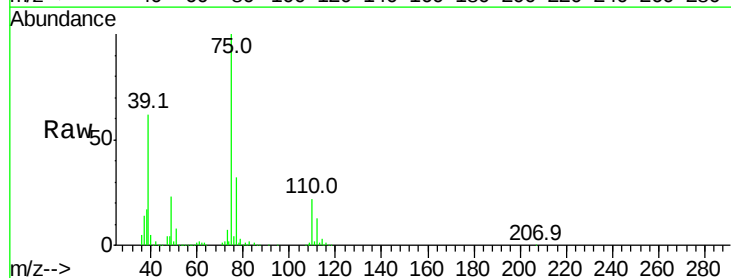
Acq: 11 Jun 2019 11:17

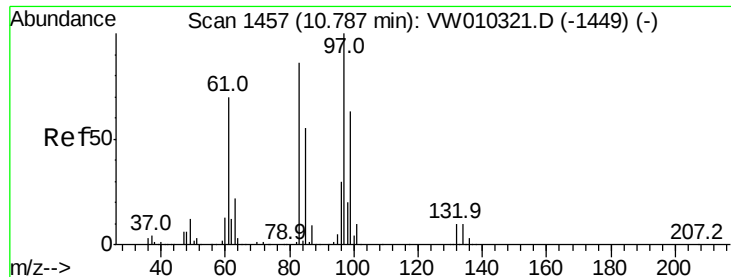
Tgt Ion: 75 Resp: 199710

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6

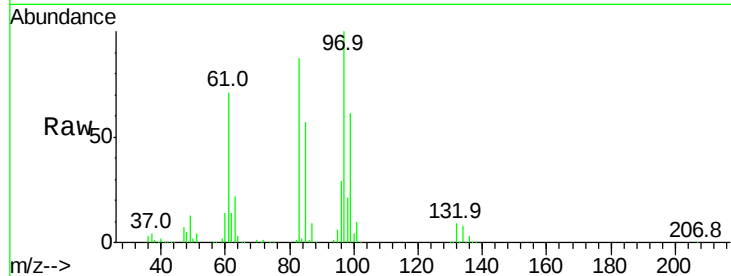




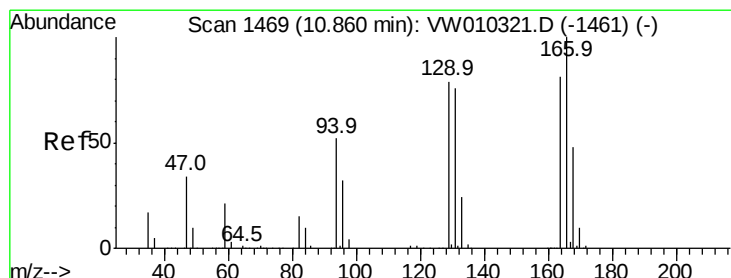
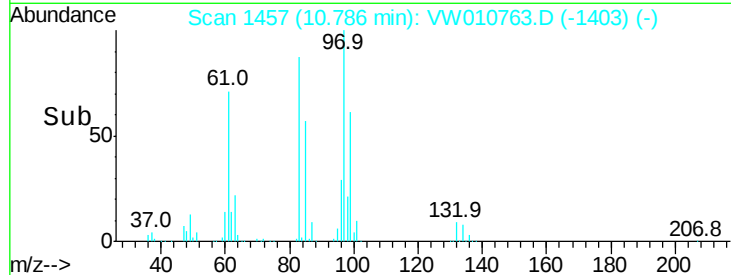
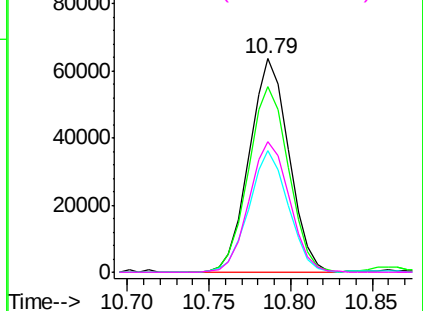
#46
1,1,2-Trichloroethane
Concen: 25.367 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

Tgt Ion: 97 Resp: 108137
Ion Ratio Lower Upper
97 100
83 86.9 60.2 111.8
85 56.8 38.4 71.4
99 61.0 43.8 81.3



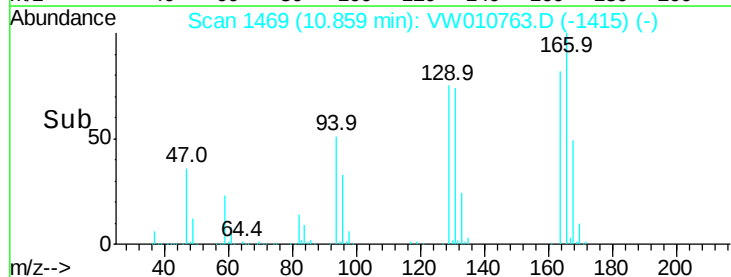
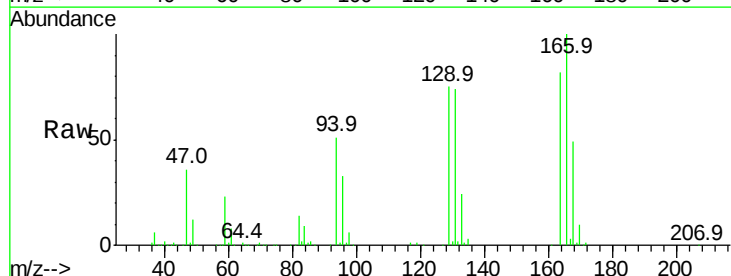
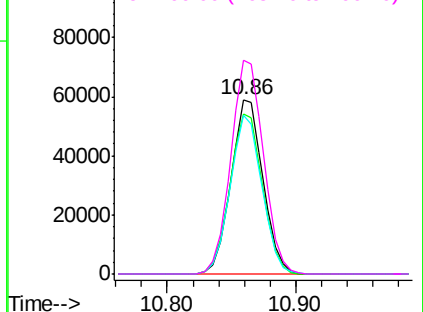
Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

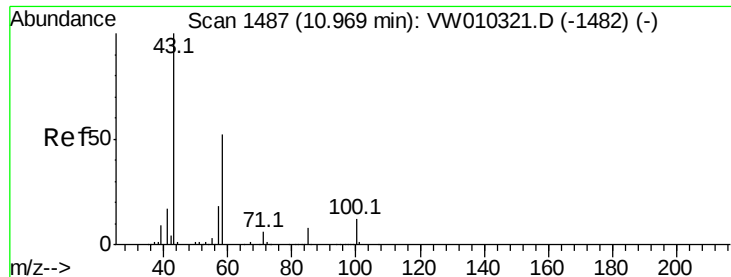


#47
Tetrachloroethene
Concen: 23.656 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

Tgt Ion: 164 Resp: 101470
Ion Ratio Lower Upper
164 100
129 92.1 67.6 125.6
131 90.8 65.7 122.1
166 122.5 85.9 159.5

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: 63.195 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tgt Ion: 43 Resp: 222673

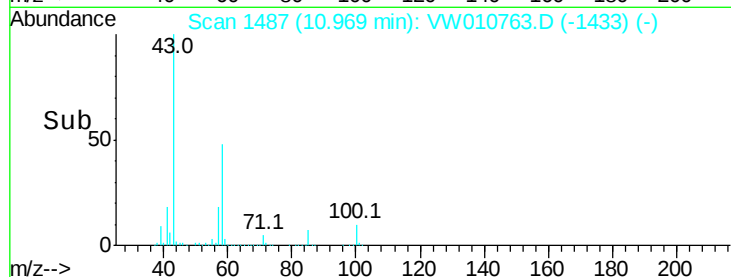
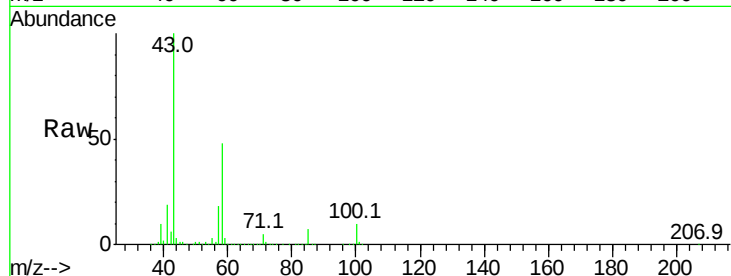
Ion Ratio Lower Upper

43 100

58 49.4 40.6 60.8

57 17.3 14.1 21.1

100 9.5 8.6 12.8

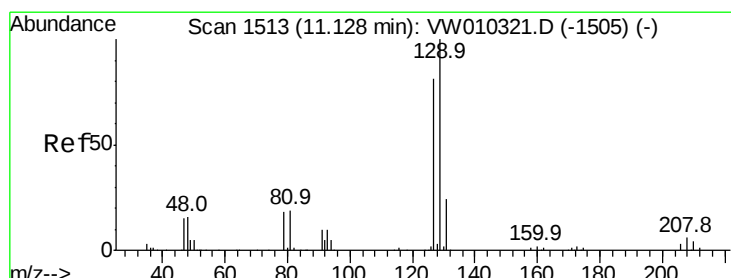
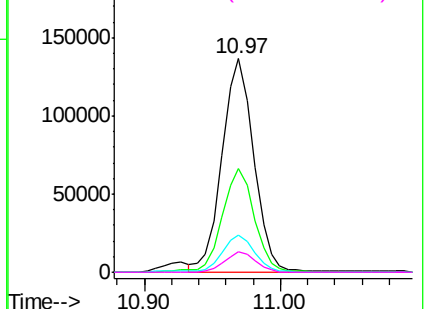


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.830 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010763.D

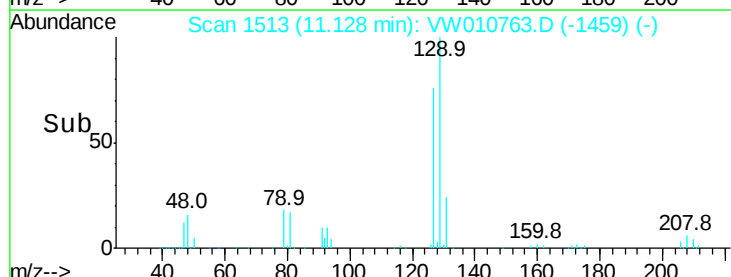
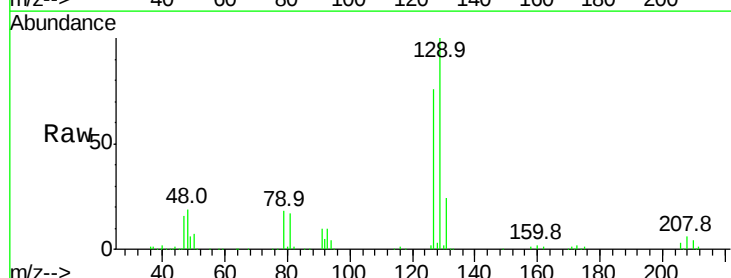
Acq: 11 Jun 2019 11:17

Tgt Ion: 129 Resp: 121583

Ion Ratio Lower Upper

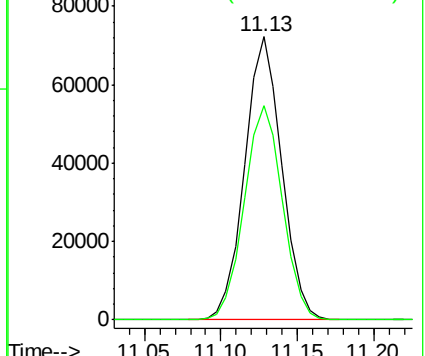
129 100

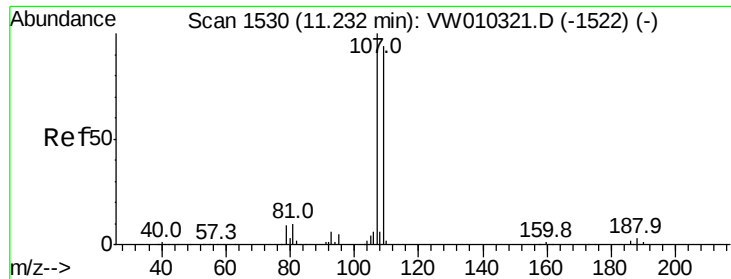
127 75.9 57.0 105.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

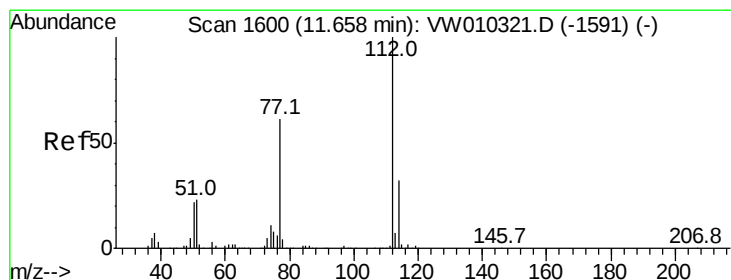
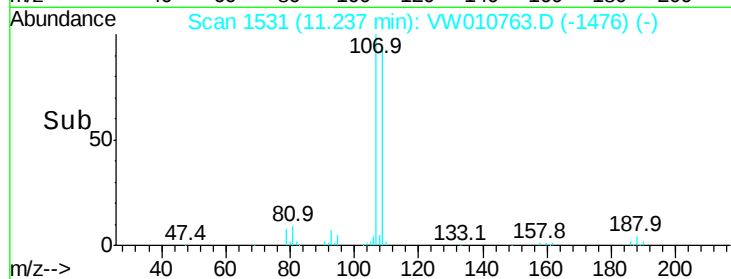
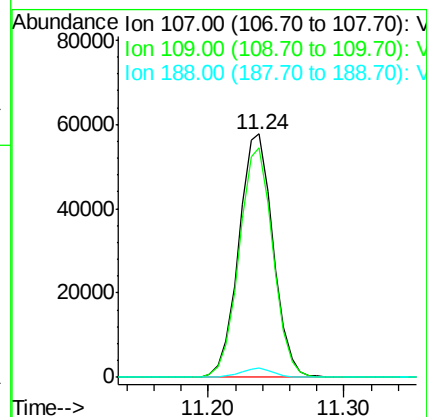
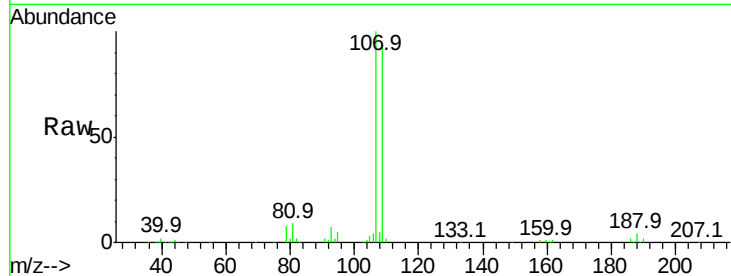




#51
1,2-Dibromoethane
Concen: 24.328 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

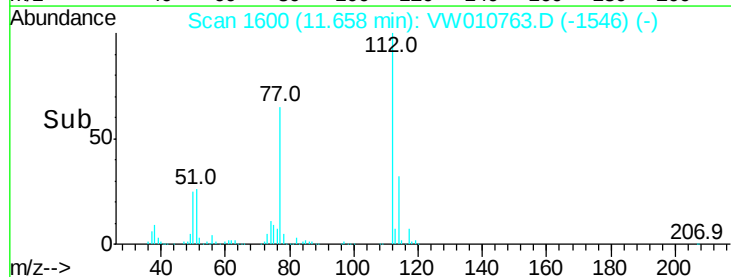
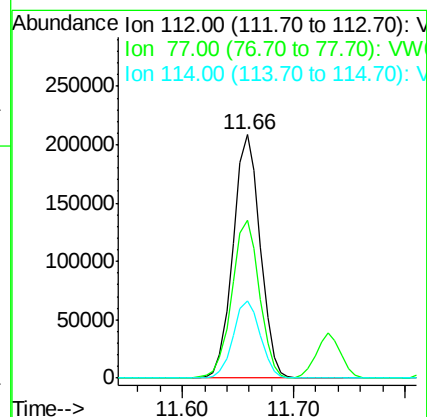
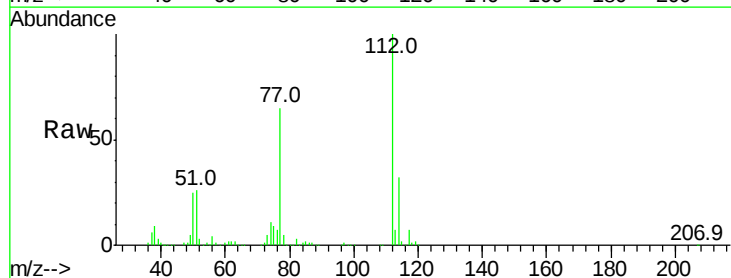
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

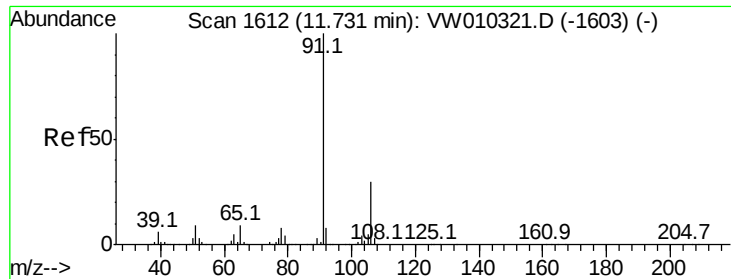
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.5	121.6
188	3.9	2.6	4.0



#52
Chlorobenzene
Concen: 24.423 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.8	49.0	73.6
114	31.6	22.0	41.0





#53

Ethylbenzene

Concen: 25.722 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

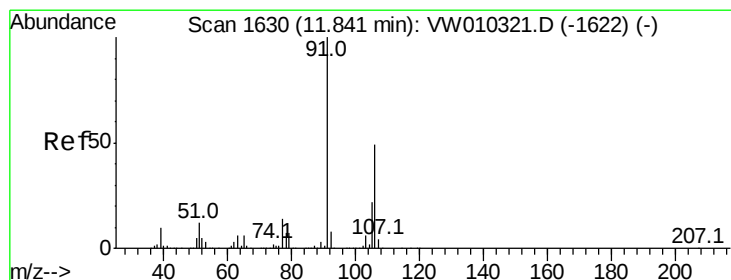
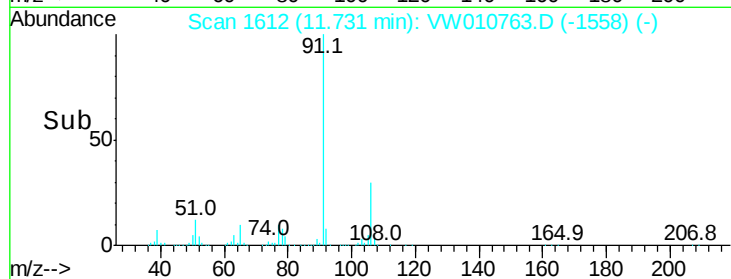
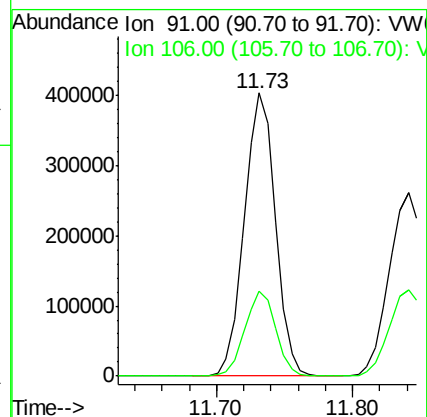
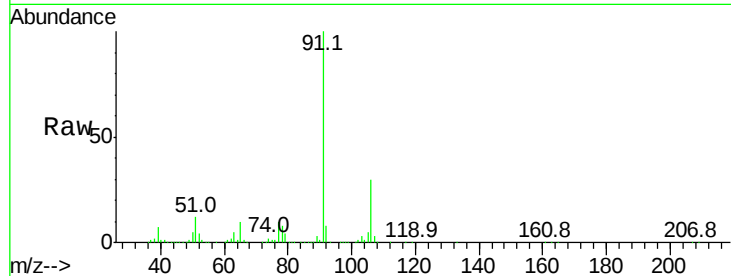
VSTD02515

Tgt Ion: 91 Resp: 644702

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.5



#54

m,p-Xylene

Concen: 24.926 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010763.D

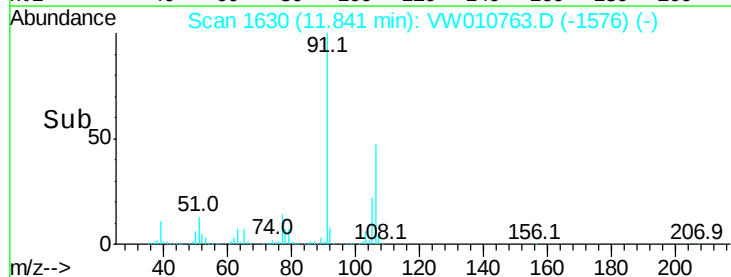
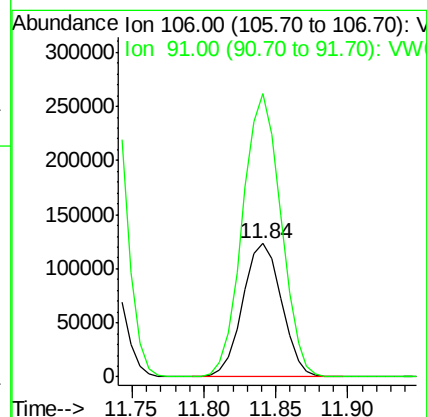
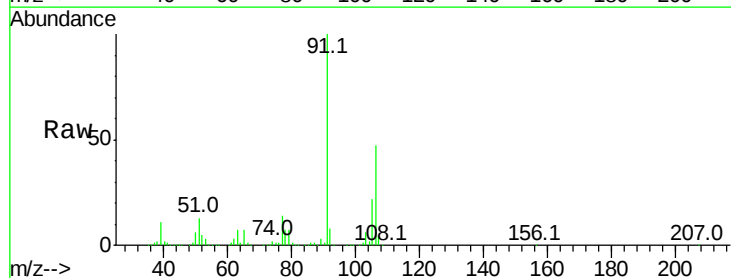
Acq: 11 Jun 2019 11:17

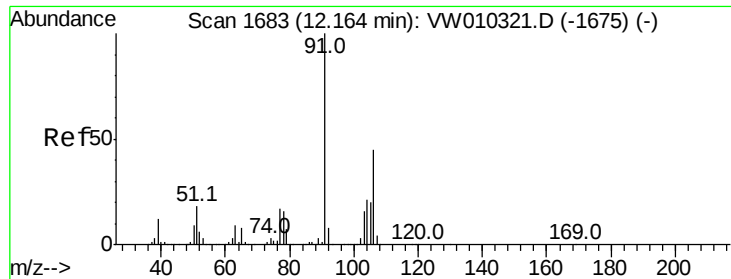
Tgt Ion: 106 Resp: 230175

Ion Ratio Lower Upper

106 100

91 212.4 143.1 265.9

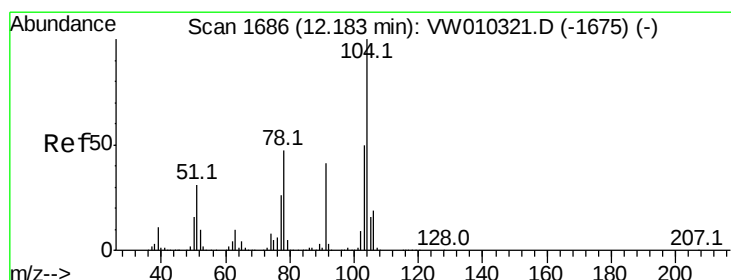
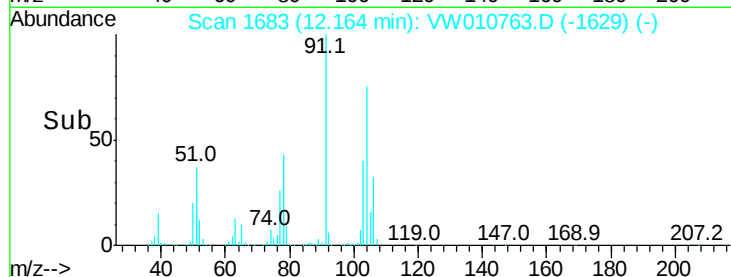
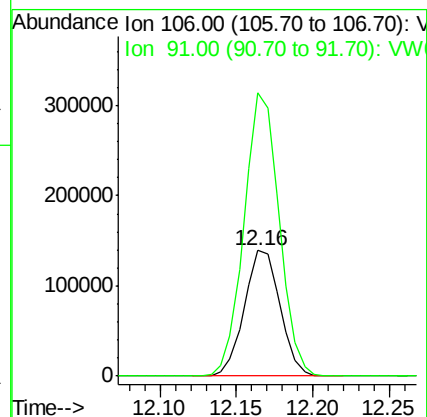
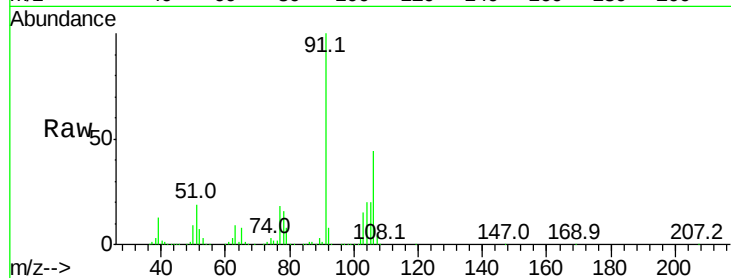




#55
o-xylene
Concen: 25.984 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

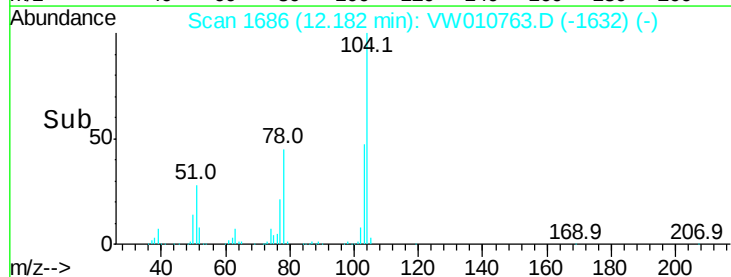
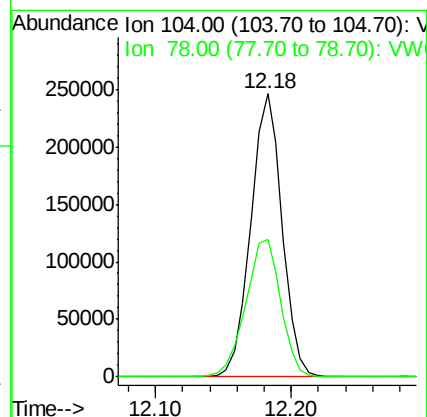
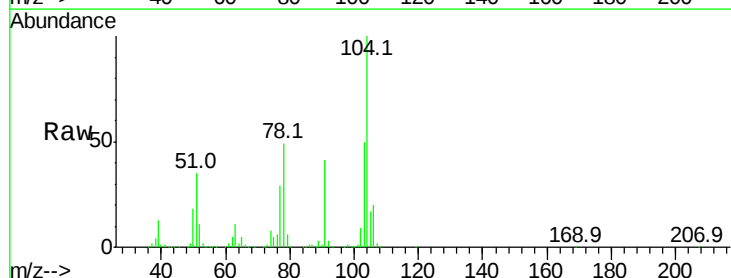
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

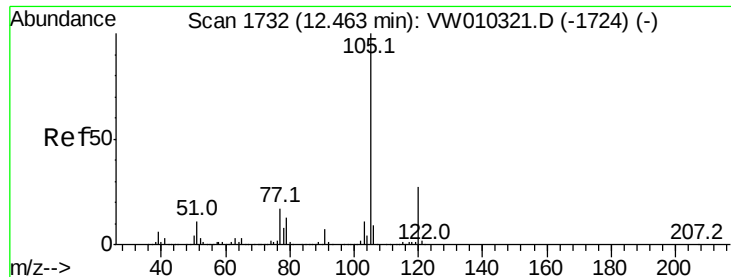
Tgt Ion:106 Resp: 226333
Ion Ratio Lower Upper
106 100
91 225.5 153.9 285.9



#56
Styrene
Concen: 26.114 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010763.D
Acq: 11 Jun 2019 11:17

Tgt Ion:104 Resp: 396695
Ion Ratio Lower Upper
104 100
78 48.8 33.0 61.2





#57

Isopropylbenzene

Concen: 26.263 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

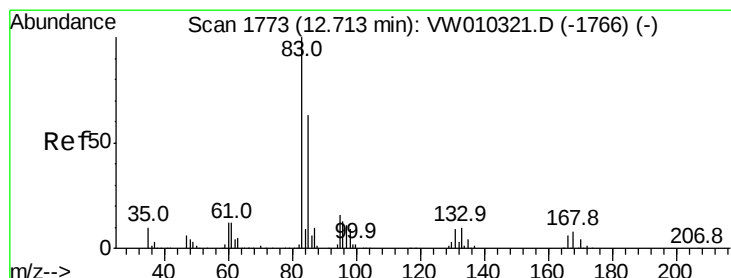
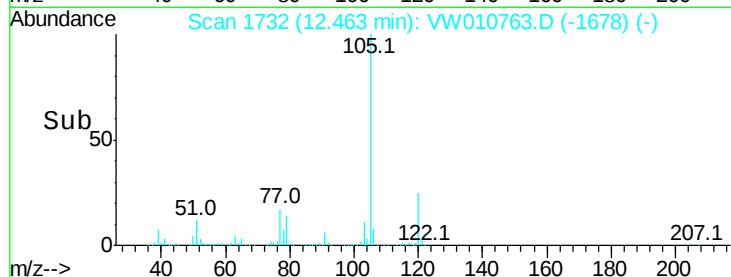
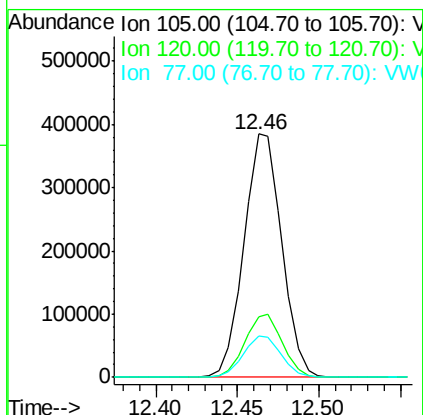
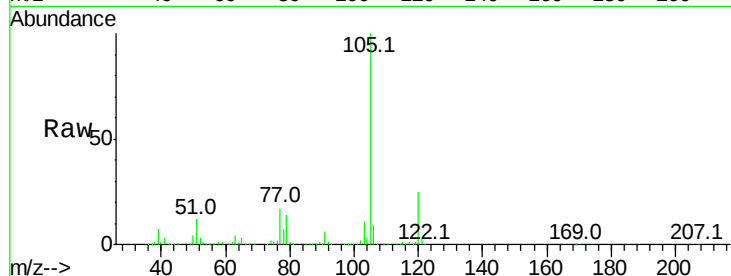
Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tgt Ion:	105	Resp:	619957
Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.1	31.7
77	17.0	13.4	20.0



#58

1,1,2,2-Tetrachloroethane

Concen: 25.585 ug/L

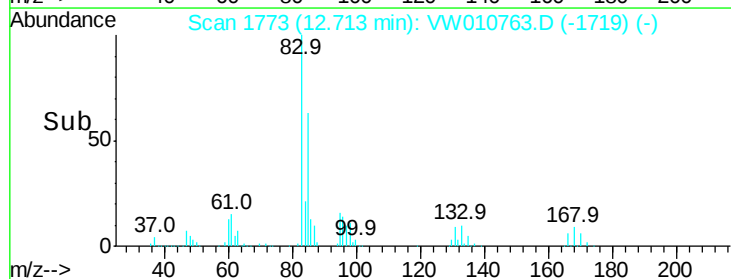
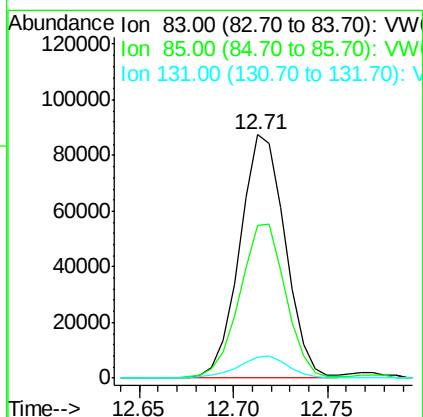
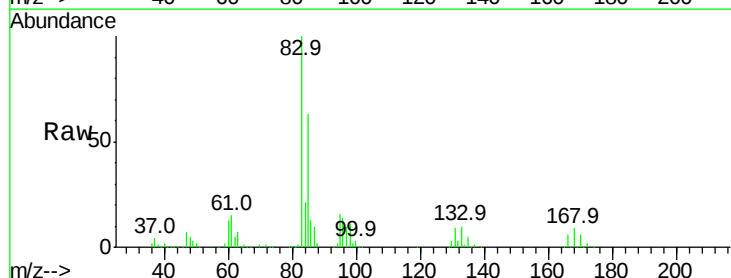
RT: 12.71 min Scan# 1773

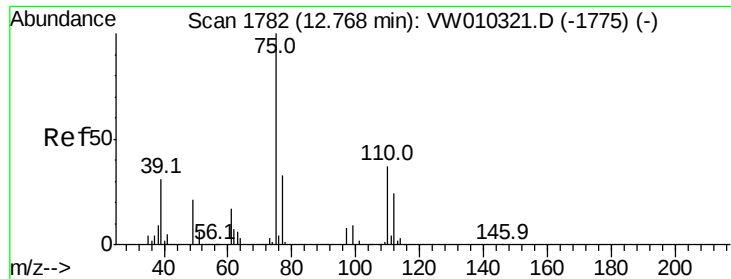
Delta R.T. -0.00 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Tgt Ion:	83	Resp:	146301
Ion	Ratio	Lower	Upper
83	100		
85	62.8	44.3	82.3
131	8.8	7.7	11.5





#59

1,2,3-Trichloropropane

Concen: 26.353 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

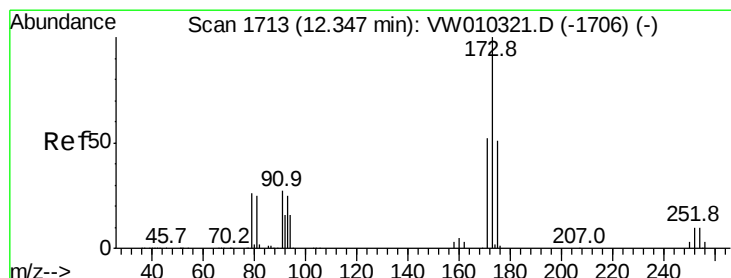
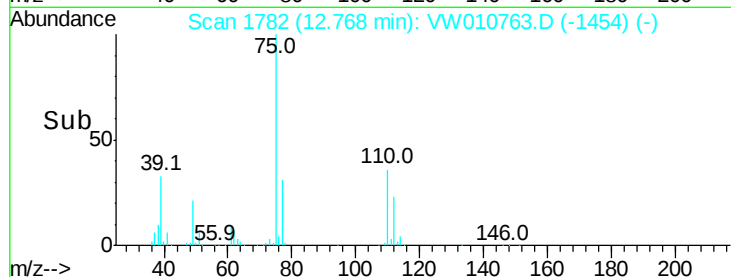
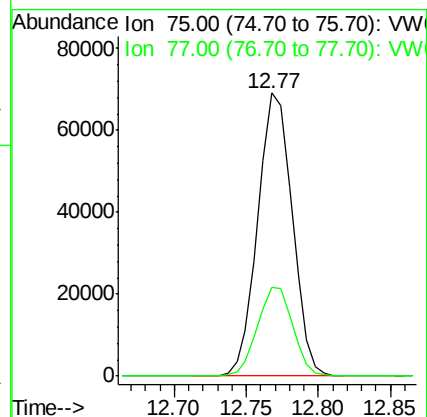
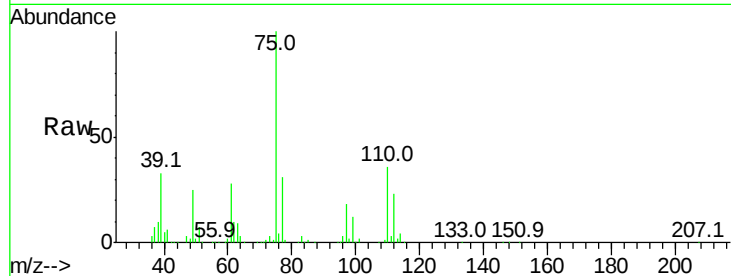
VSTD02515

Tgt Ion: 75 Resp: 114741

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



#62

Bromoform

Concen: 25.863 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

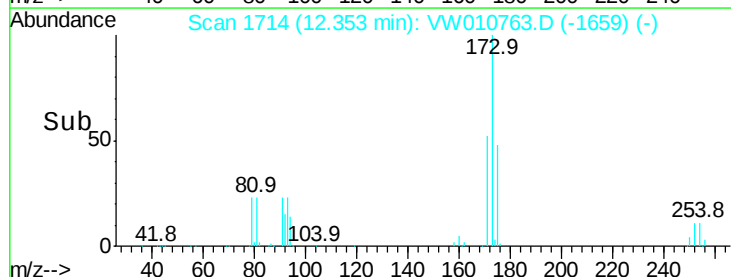
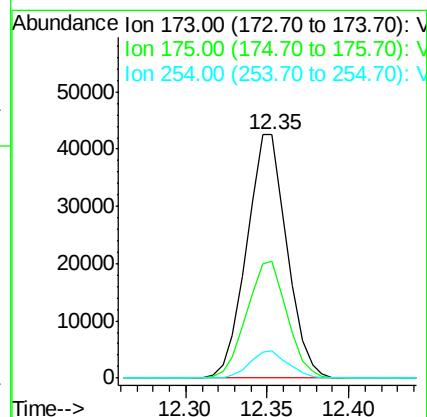
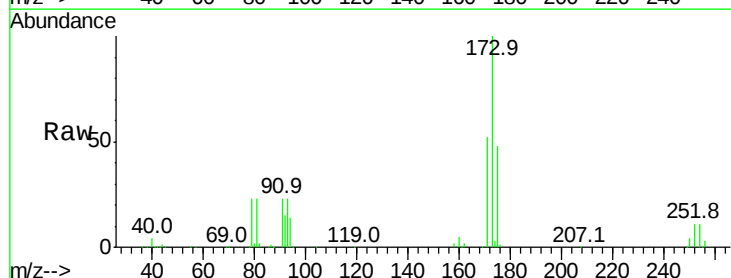
Tgt Ion: 173 Resp: 72840

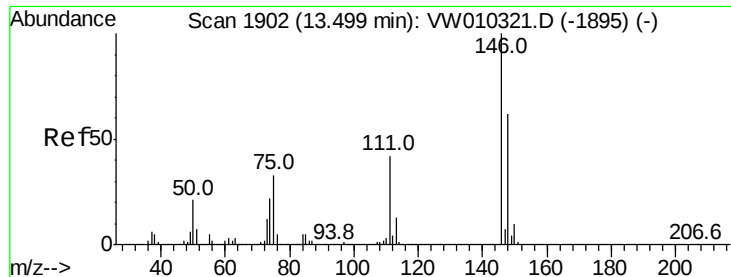
Ion Ratio Lower Upper

173 100

175 48.4 39.9 59.9

254 10.8 8.1 12.1

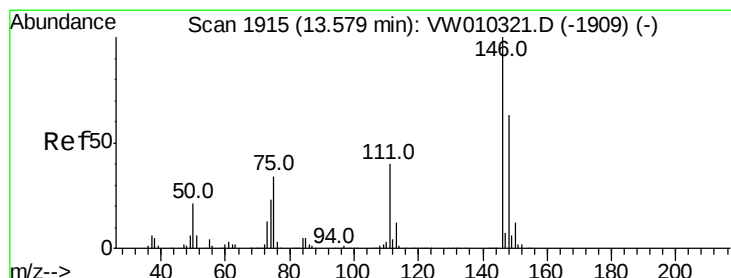
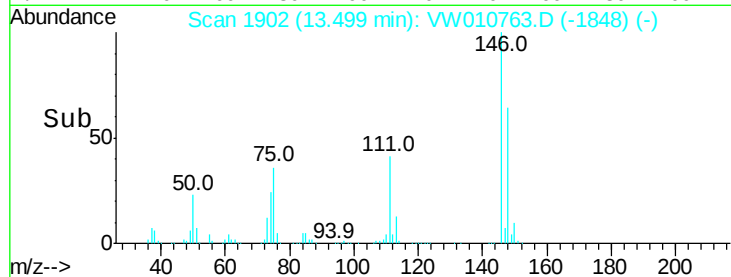
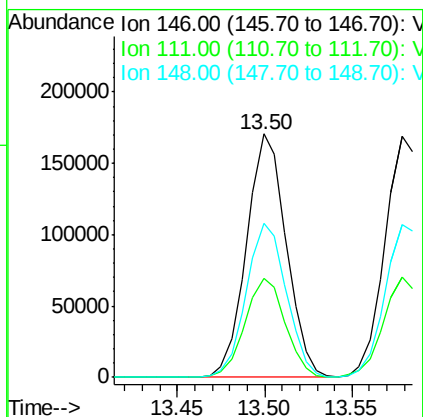
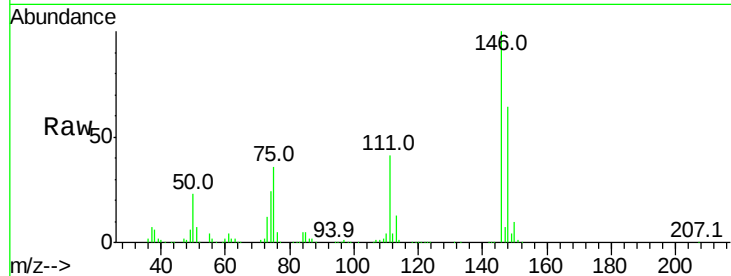




#63
 1,3-Dichlorobenzene
 Concen: 26.410 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010763.D
 Acq: 11 Jun 2019 11:17

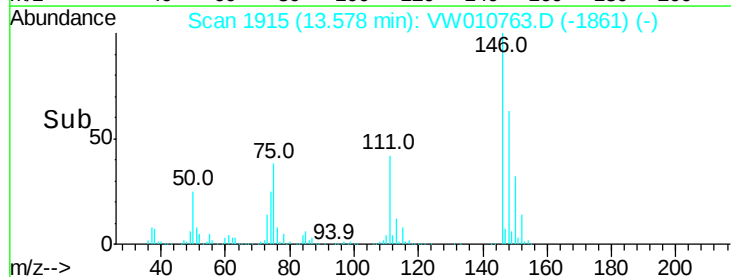
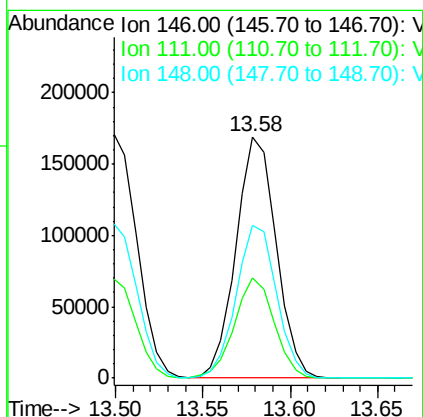
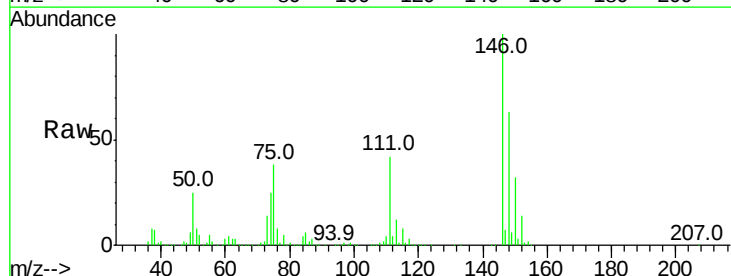
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

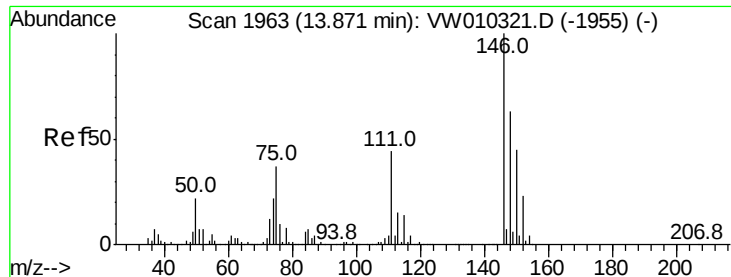
Tgt Ion:146 Resp: 269271
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.1 54.1
 148 63.5 43.3 80.5



#64
 1,4-Dichlorobenzene
 Concen: 24.854 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010763.D
 Acq: 11 Jun 2019 11:17

Tgt Ion:146 Resp: 270701
 Ion Ratio Lower Upper
 146 100
 111 41.5 28.0 52.0
 148 63.4 44.0 81.8





#65

1,2-Dichlorobenzene

Concen: 25.600 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

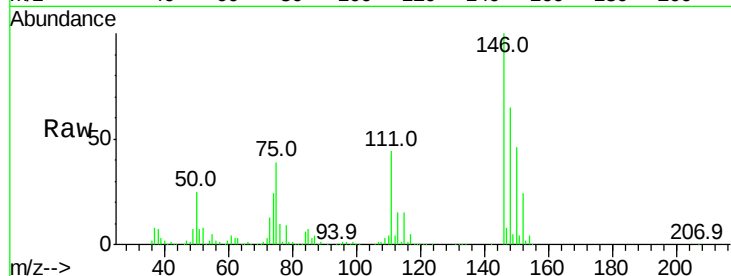
Tgt Ion:146 Resp: 252039

Ion Ratio Lower Upper

146 100

111 44.1 35.4 53.0

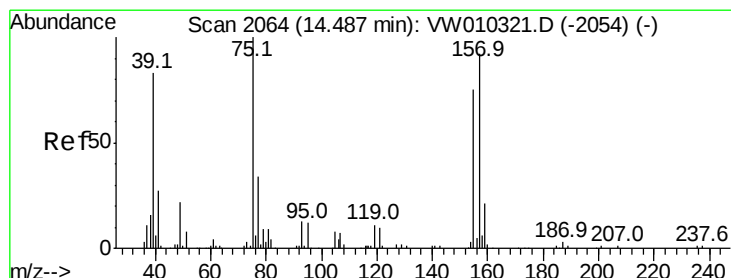
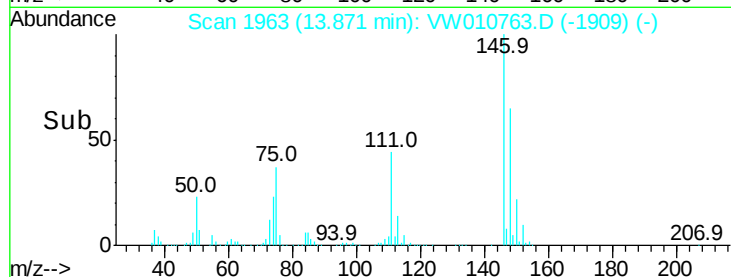
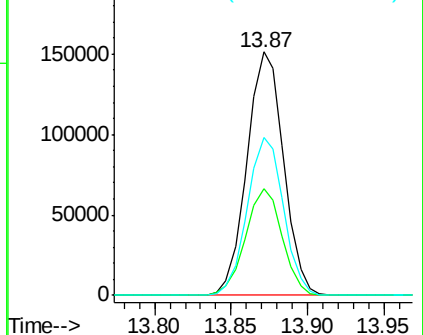
148 64.9 50.8 76.2



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: 25.831 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

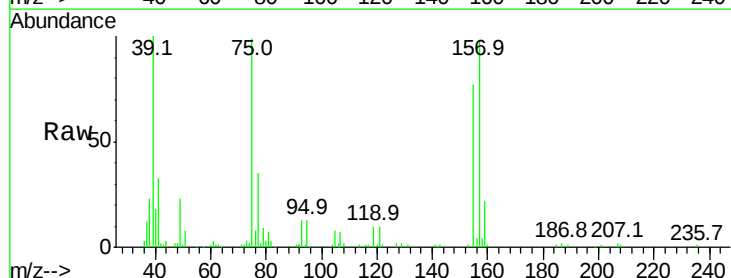
Tgt Ion: 75 Resp: 26551

Ion Ratio Lower Upper

75 100

157 98.9 73.7 110.5

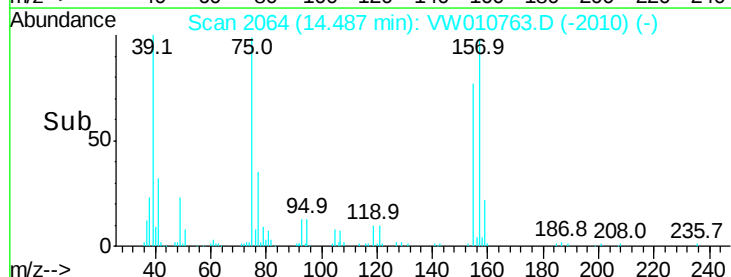
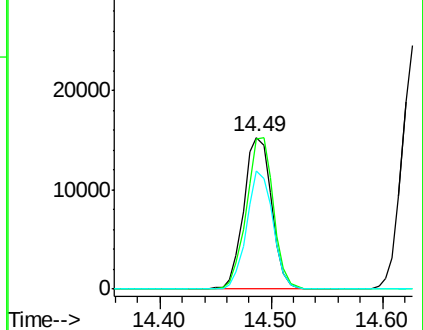
155 77.5 60.0 90.0

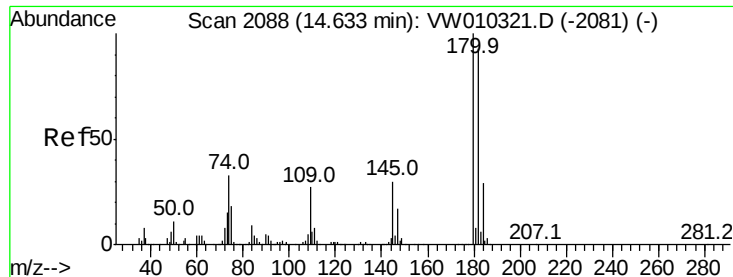


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

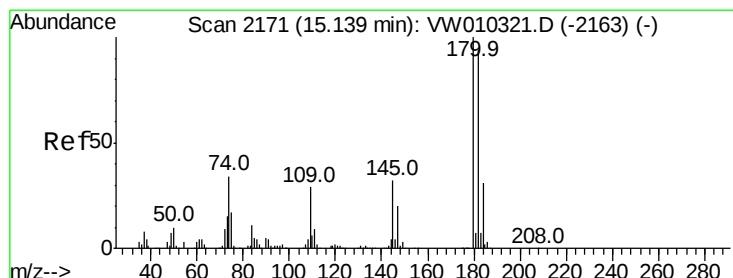
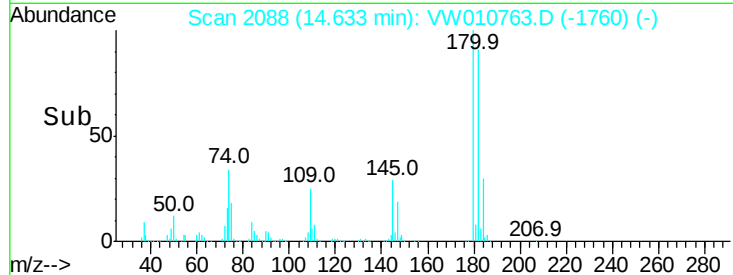
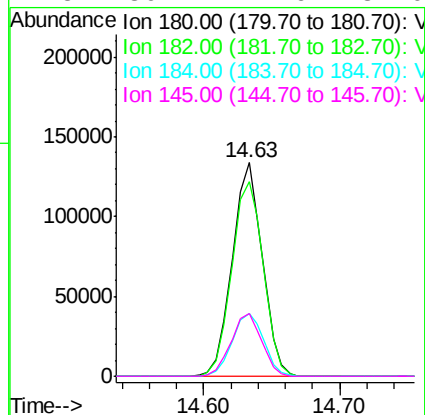
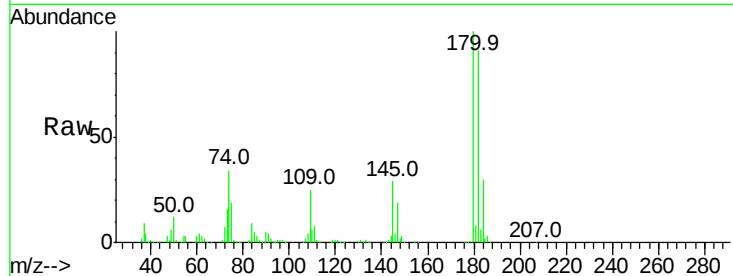




#67
 1,3,5-Trichlorobenzene
 Concen: 26.654 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010763.D
 Acq: 11 Jun 2019 11:17

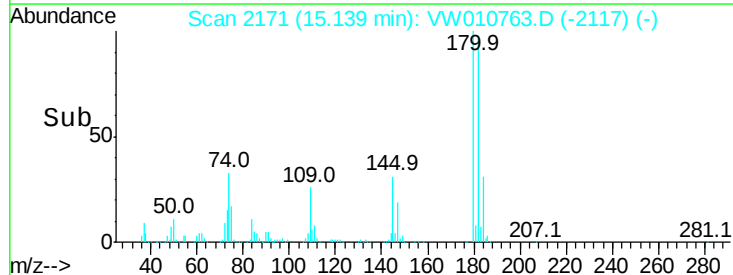
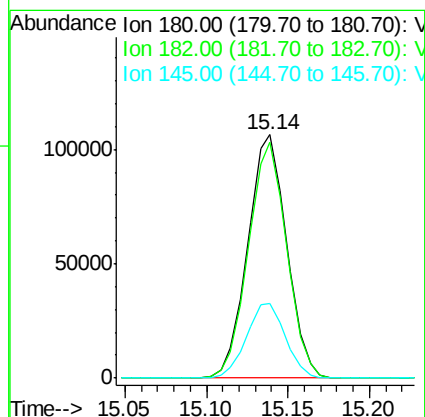
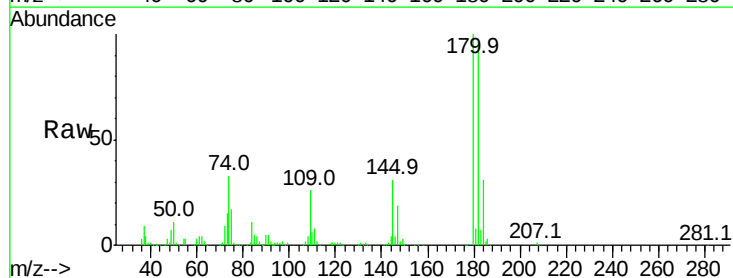
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

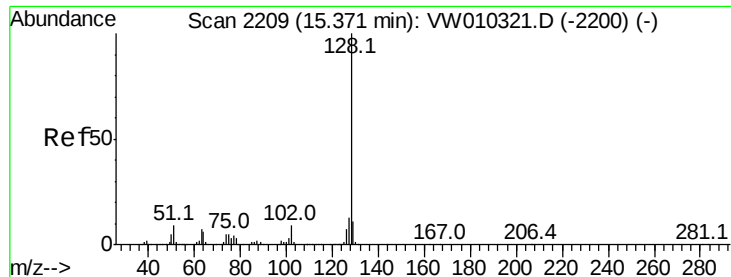
Tgt Ion:	180	Resp:	205344
Ion Ratio	Lower	Upper	
180	100		
182	95.6	75.1	112.7
184	30.8	23.7	35.5
145	30.1	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 28.321 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010763.D
 Acq: 11 Jun 2019 11:17

Tgt Ion:	180	Resp:	176611
Ion Ratio	Lower	Upper	
180	100		
182	95.5	75.7	113.5
145	31.0	25.3	37.9





#69

Naphthalene

Concen: 28.017 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

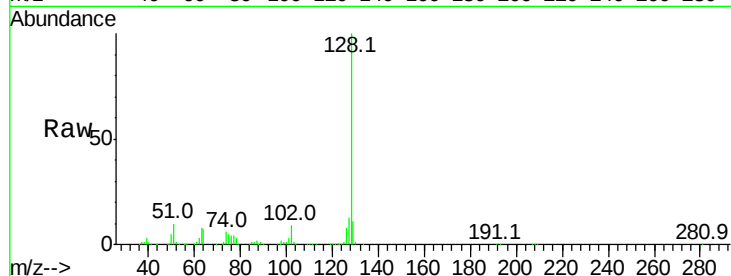
Tgt Ion:128 Resp: 387000

Ion Ratio Lower Upper

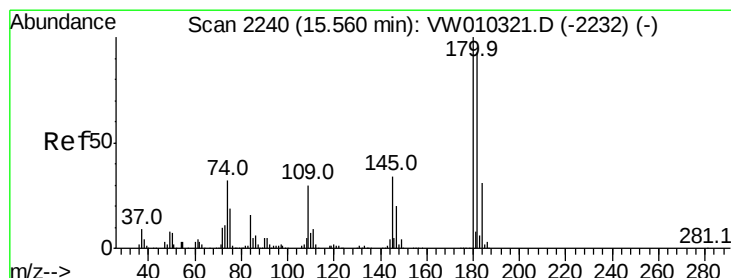
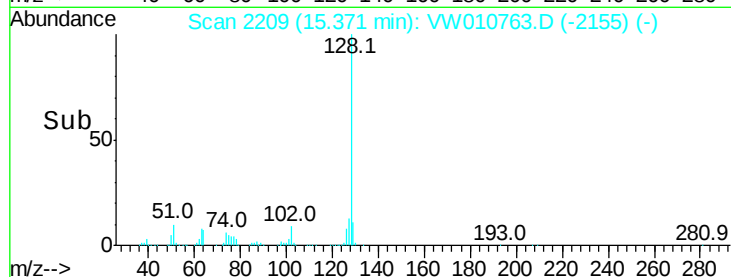
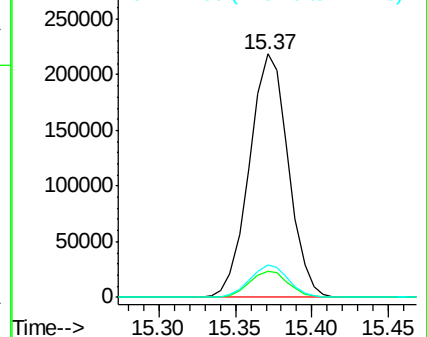
128 100

129 10.8 8.8 13.2

127 13.0 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: 26.476 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010763.D

Acq: 11 Jun 2019 11:17

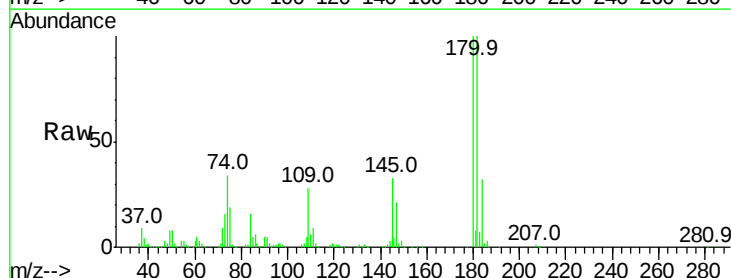
Tgt Ion:180 Resp: 158036

Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

145 32.3 26.4 39.6



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

