

Data File : VW013894.D
Acq On : 01 Nov 2019 12:21
Operator : SY/VA
Sample : VSTD10019
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

Quant Time: Nov 01 12:45:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 12:21:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	328438	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	322349	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	194912	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	457918	91.57	ug/L	0.00
7) Chloroethane-d5	2.89	69	385717	98.60	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	961761	96.13	ug/L	0.00
20) 2-Butanone-d5	7.07	46	340912	194.00	ug/L	0.00
24) Chloroform-d	7.65	84	977207	97.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	515026	94.22	ug/L	0.00
29) Benzene-d6	8.27	84	2047434	98.03	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	618968	98.88	ug/L	0.00
37) Toluene-d8	10.32	98	1983557	99.32	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	291579	101.83	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	293580	203.76	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	533828	93.83	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	720437	95.98	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	348912	96.081	ug/L	98
3) Chloromethane	2.21	50	409336	104.854	ug/L	98
5) Vinyl chloride	2.37	62	512138	92.526	ug/L	98
6) Bromomethane	2.78	94	329857	94.589	ug/L	99
8) Chloroethane	2.92	64	308586	98.722	ug/L	98
9) Trichlorofluoromethane	3.26	101	277078	114.804	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	513550	94.707	ug/L	98
12) 1,1-Dichloroethene	4.04	96	526665	96.853	ug/L	89
13) Acetone	4.12	43	247710	150.620	ug/L	97
14) Carbon disulfide	4.39	76	1542185	97.578	ug/L	100
15) Methyl Acetate	4.67	43	276723	91.383	ug/L	99
16) Methylene chloride	4.92	84	523115	81.471	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	664042	98.069	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	552825	97.059	ug/L	97
19) 1,1-Dichloroethane	6.21	63	938315	96.308	ug/L	98
21) 2-Butanone	7.17	43	389260	164.950	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	594645	97.532	ug/L	94
23) Bromochloromethane	7.51	128	275094	96.653	ug/L	96
25) Chloroform	7.67	83	928738	94.950	ug/L	98
27) 1,2-Dichloroethane	8.40	62	612307	95.179	ug/L	98
30) Cyclohexane	7.95	56	935186	101.073	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	720328	97.503	ug/L	99
32) Carbon tetrachloride	8.07	117	727235	98.891	ug/L	98
34) Benzene	8.32	78	2163173	96.771	ug/L	100
35) Trichloroethene	9.09	95	572138	96.980	ug/L	99
36) Methylcyclohexane	9.34	83	1023915	100.259	ug/L	99
40) 1,2-Dichloropropane	9.37	63	534743	96.835	ug/L	100
41) Bromodichloromethane	9.64	83	698546	100.723	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	906281	104.538	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	803006	188.456	ug/L	100

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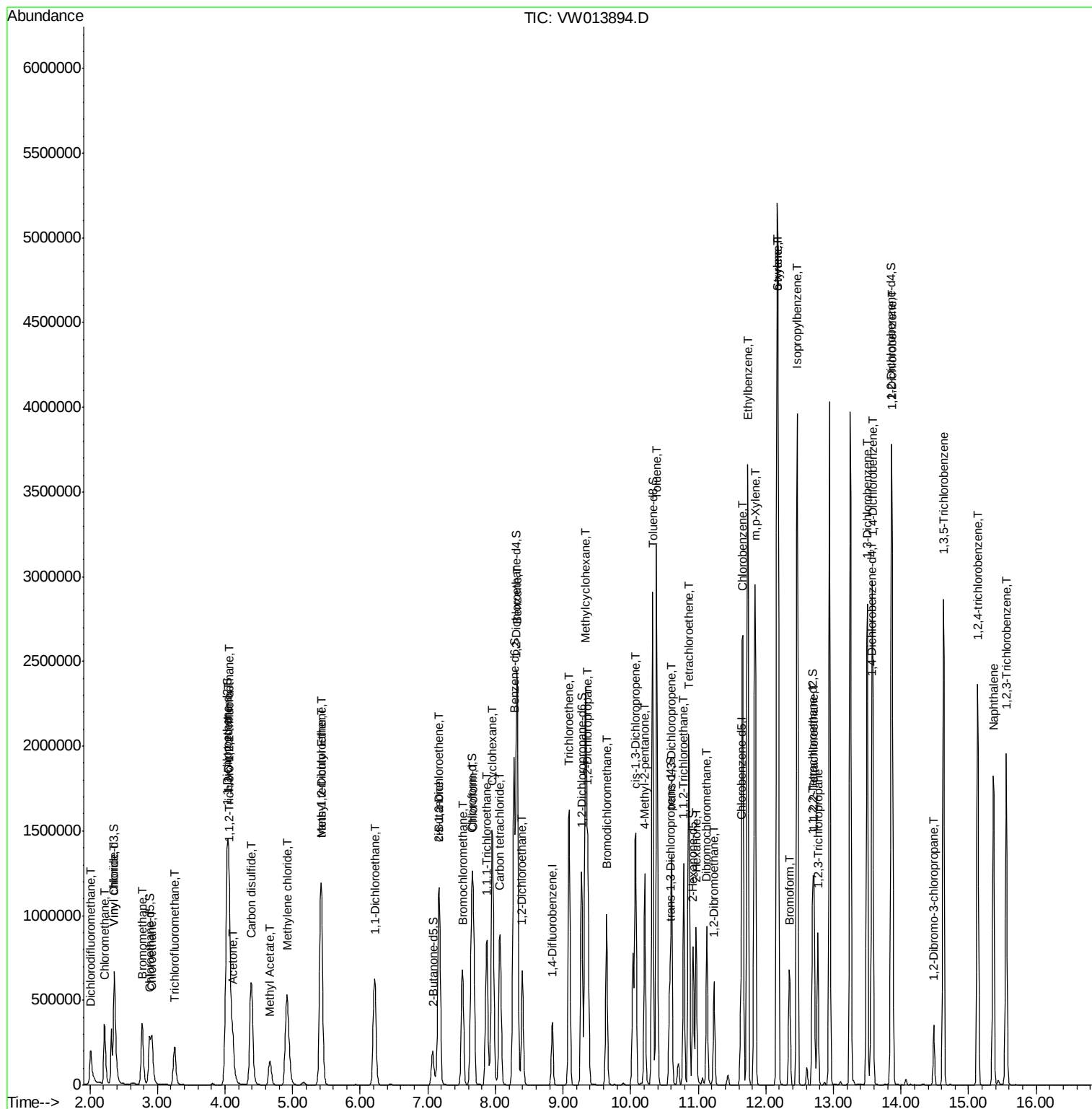
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2385609	98.838	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	738864	104.498	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	425901	95.656	ug/L	99
47) Tetrachloroethene	10.86	164	523790	98.861	ug/L	97
49) 2-Hexanone	10.97	43	579256	189.975	ug/L	99
50) Dibromochloromethane	11.13	129	526449	101.706	ug/L	97
51) 1,2-Dibromoethane	11.23	107	428066	98.228	ug/L	99
52) Chlorobenzene	11.66	112	1524171	97.378	ug/L	99
53) Ethylbenzene	11.73	91	2650751	99.491	ug/L	98
54) m,p-Xylene	11.84	106	1033212	99.124	ug/L	98
55) o-xylene	12.16	106	988603	100.768	ug/L	100
56) Styrene	12.18	104	1708921	101.519	ug/L	99
57) Isopropylbenzene	12.46	105	2621829	99.855	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	523833	93.715	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	384010	90.166	ug/L	100
62) Bromoform	12.35	173	341448	100.683	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	1262897	99.273	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	1246300	96.581	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	1135036	96.527	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	87561	94.216	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	974160	99.537	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	825860	105.207	ug/L	98
69) Naphthalene	15.36	128	1642593	108.770	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	747750	103.028	ug/L	99

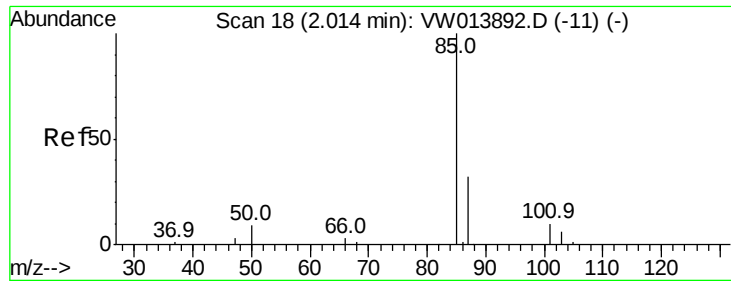
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 96.081 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

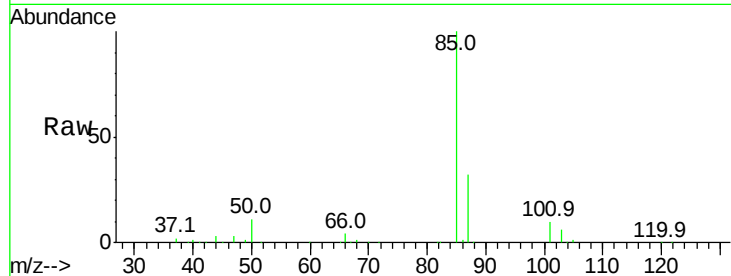
VSTD10003

Tgt Ion: 85 Resp: 348912

Ion Ratio Lower Upper

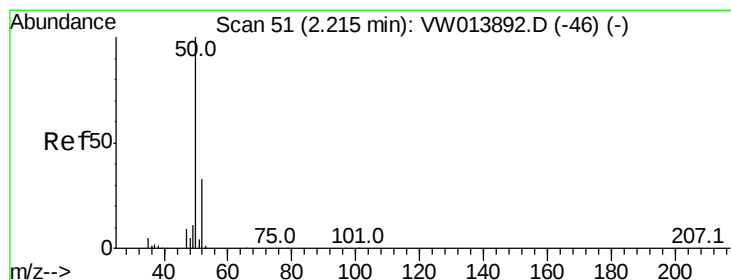
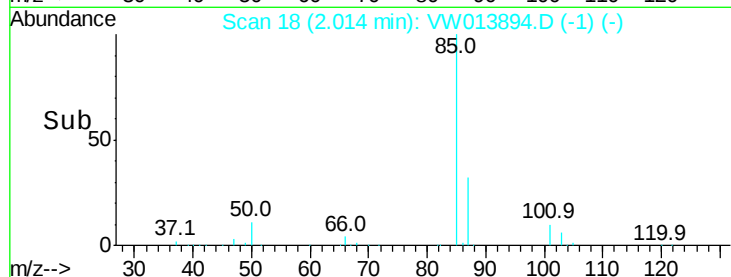
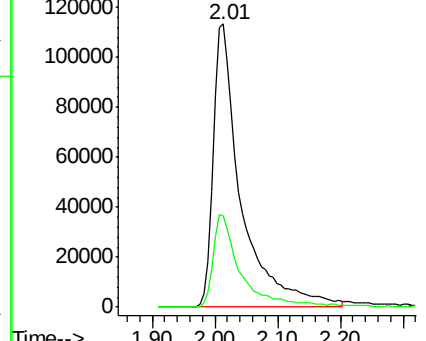
85 100

87 31.9 21.6 40.2



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 104.854 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013894.D

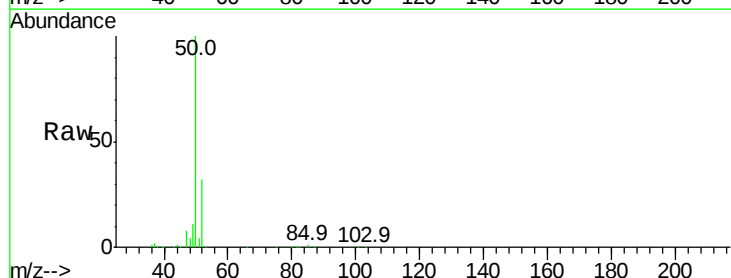
Acq: 01 Nov 2019 12:21

Tgt Ion: 50 Resp: 409336

Ion Ratio Lower Upper

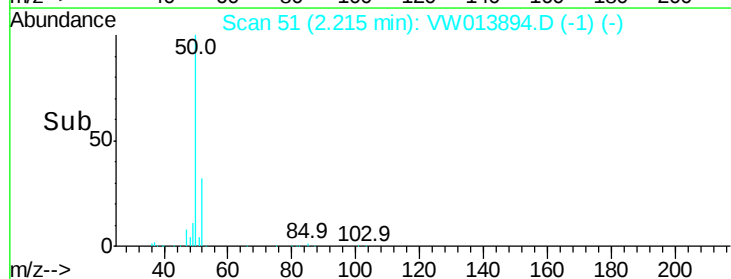
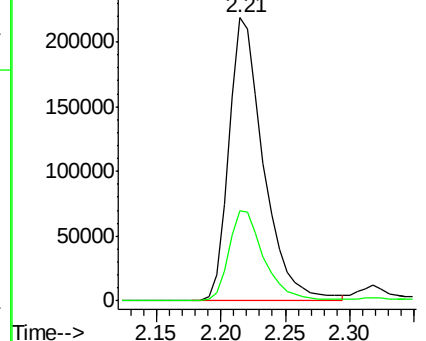
50 100

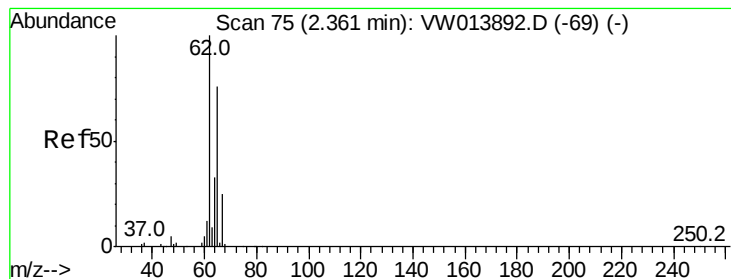
52 31.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 92.526 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

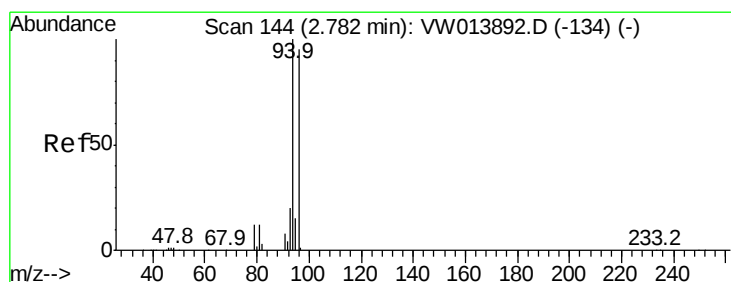
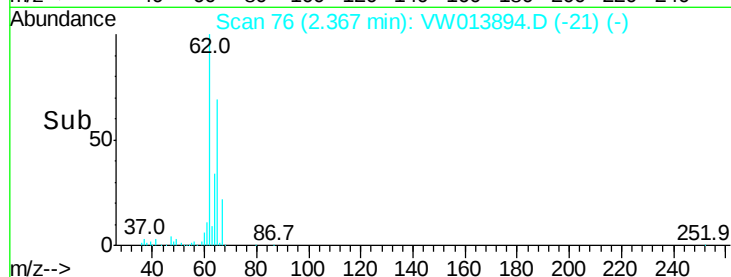
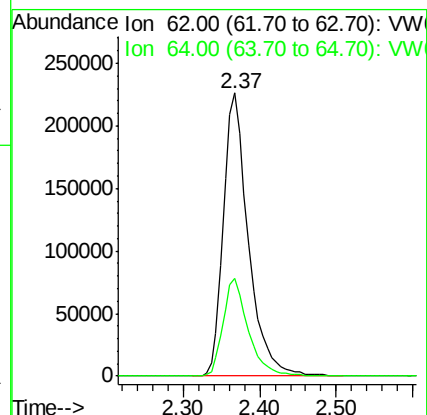
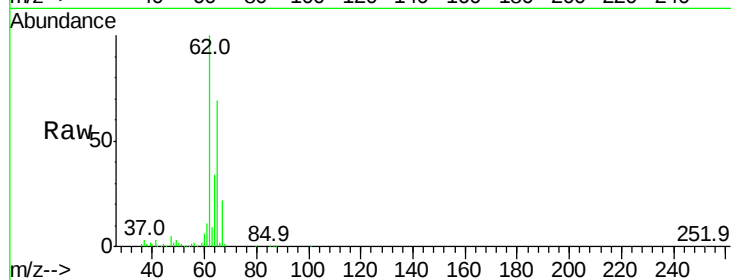
VSTD10003

Tgt Ion: 62 Resp: 512138

Ion Ratio Lower Upper

62 100

64 34.4 23.3 43.3



#6

Bromomethane

Concen: 94.589 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013894.D

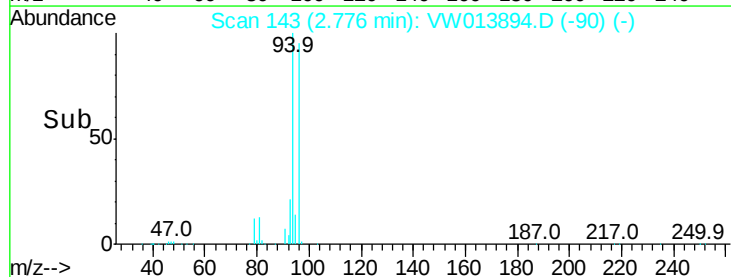
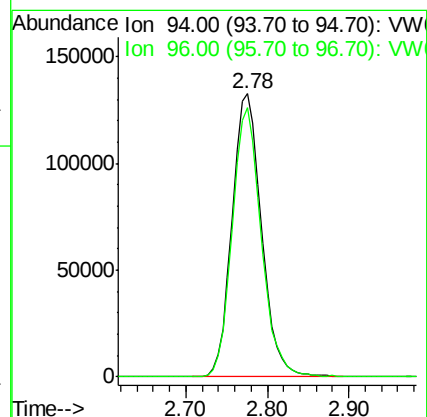
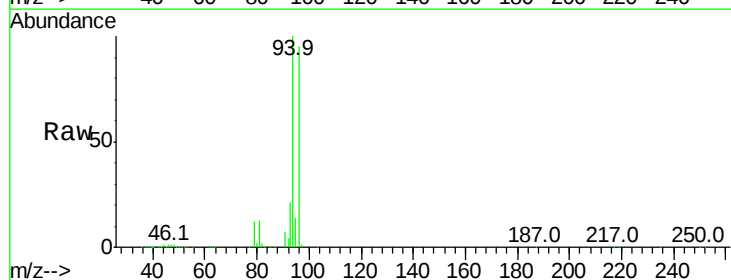
Acq: 01 Nov 2019 12:21

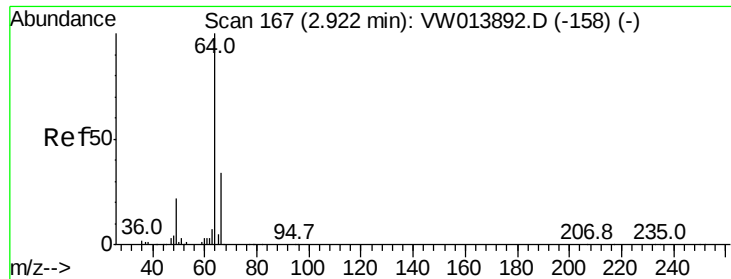
Tgt Ion: 94 Resp: 329857

Ion Ratio Lower Upper

94 100

96 93.5 9.5 179.7





#8

Chloroethane

Concen: 98.722 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

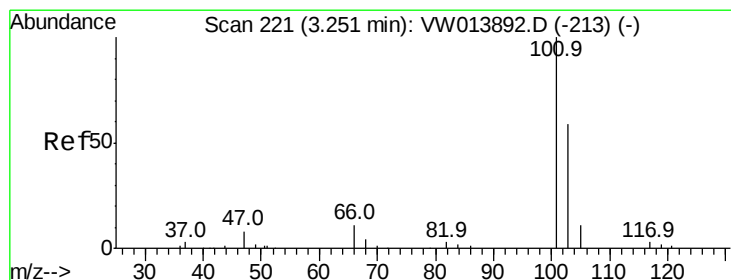
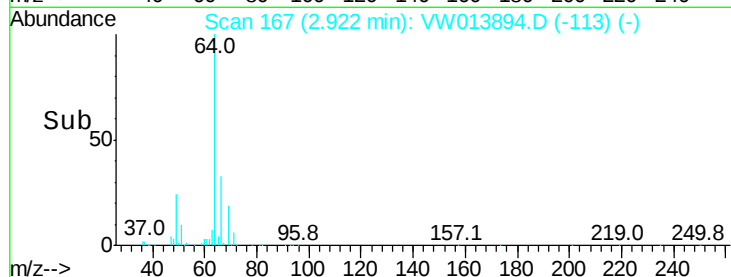
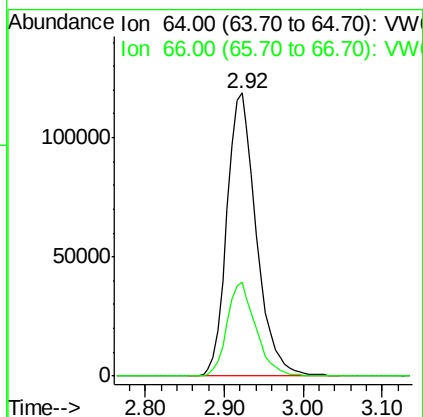
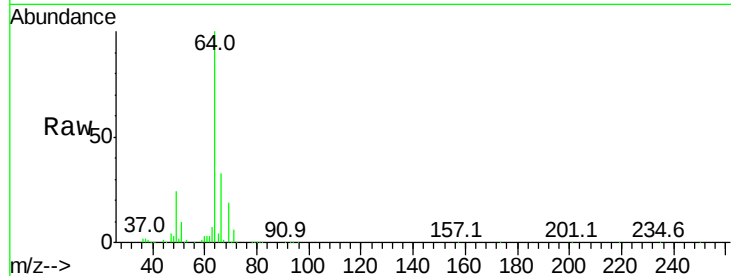
VSTD10003

Tgt Ion: 64 Resp: 308586

Ion Ratio Lower Upper

64 100

66 33.1 24.1 44.7



#9

Trichlorofluoromethane

Concen: 114.804 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW013894.D

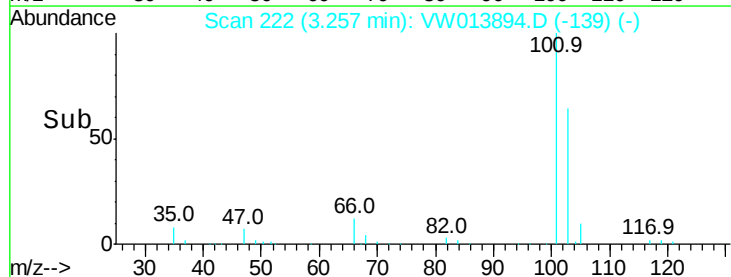
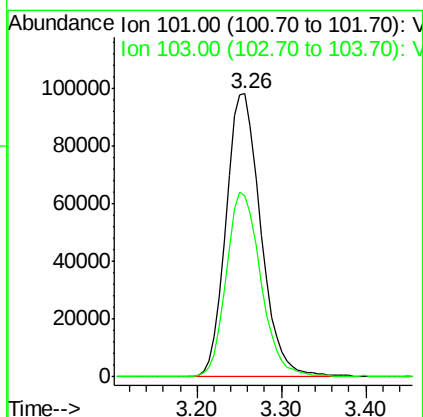
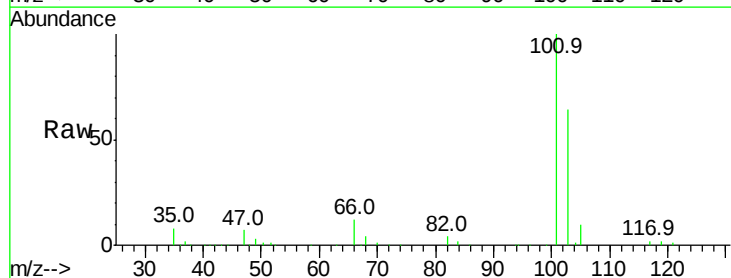
Acq: 01 Nov 2019 12:21

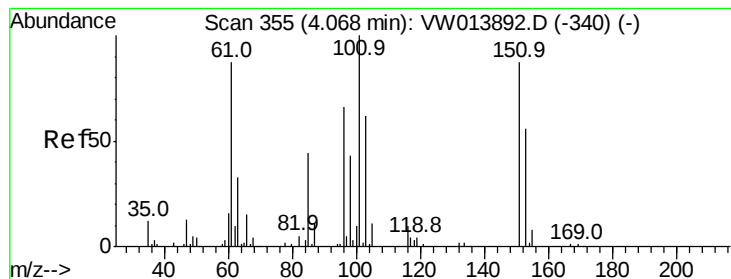
Tgt Ion: 101 Resp: 277078

Ion Ratio Lower Upper

101 100

103 64.6 44.9 83.3





#11

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

Concen: 94.707 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

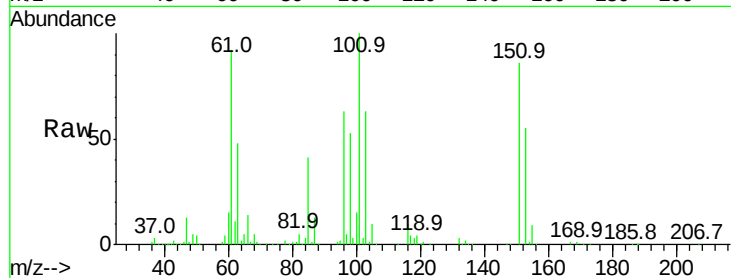
Tgt Ion: 101 Resp: 513550

Ion Ratio Lower Upper

101 100

85 40.2 30.9 46.3

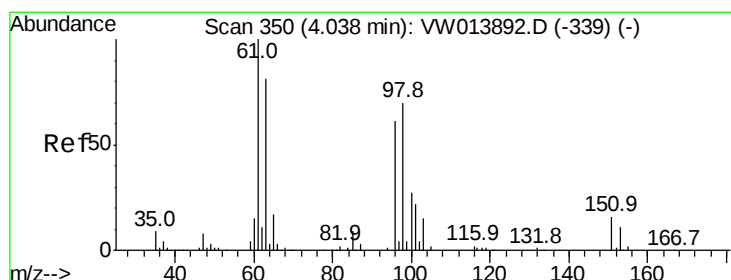
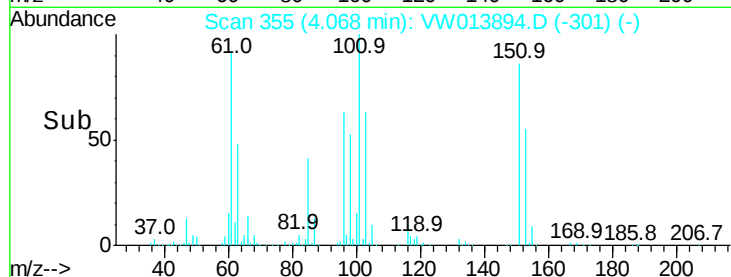
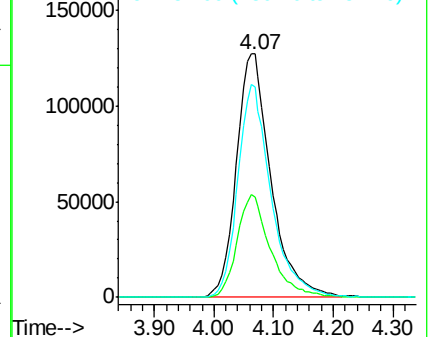
151 84.0 66.3 99.5



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: 96.853 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

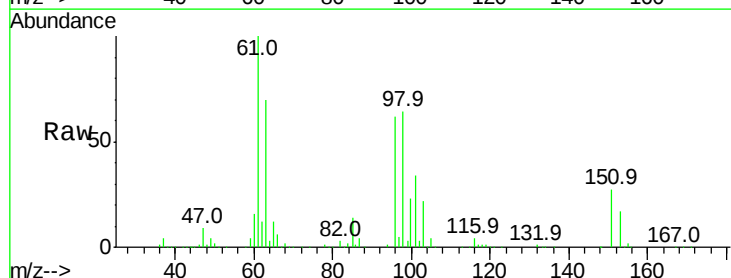
Tgt Ion: 96 Resp: 526665

Ion Ratio Lower Upper

96 100

61 161.5 115.1 213.8

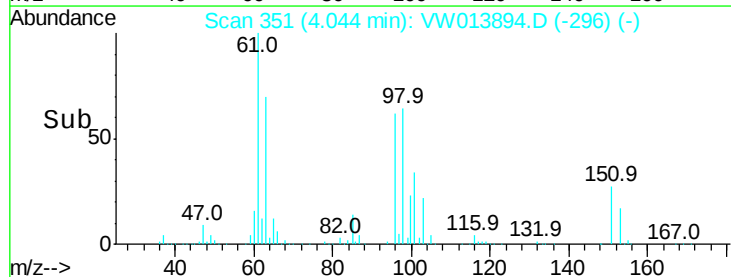
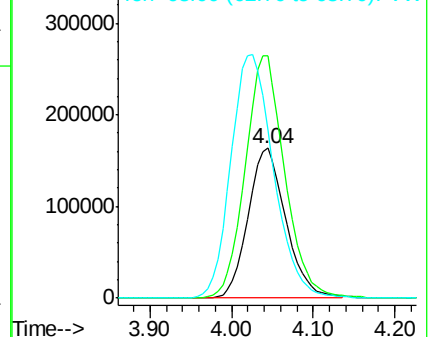
63 112.3 97.4 180.8

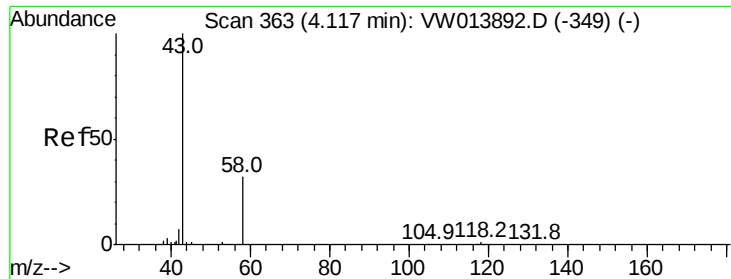


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 150.620 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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ClientSampleId :

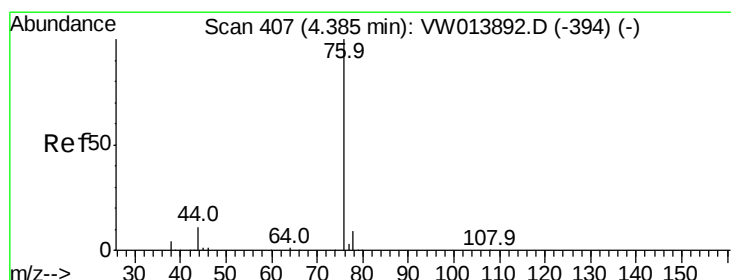
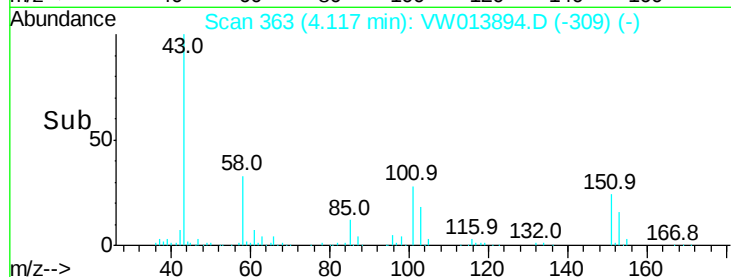
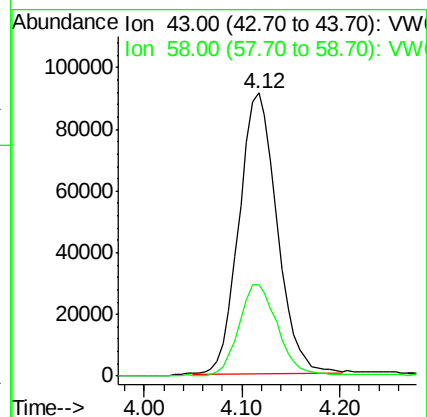
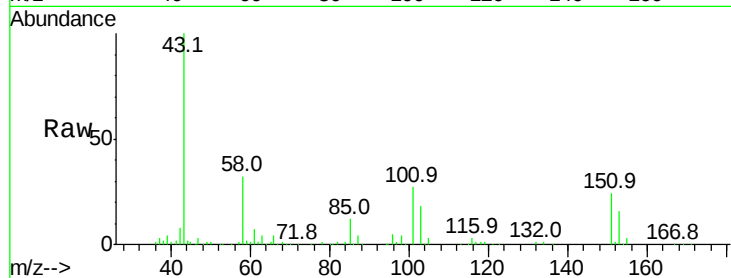
VSTD10003

Tgt Ion: 43 Resp: 247710

Ion Ratio Lower Upper

43 100

58 33.3 0.0 62.8



#14

Carbon disulfide

Concen: 97.578 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013894.D

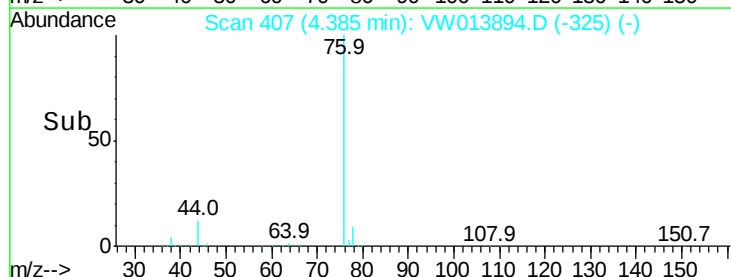
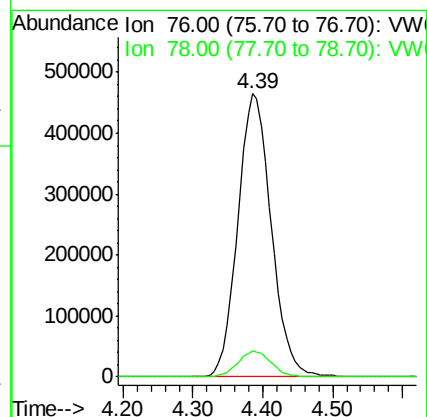
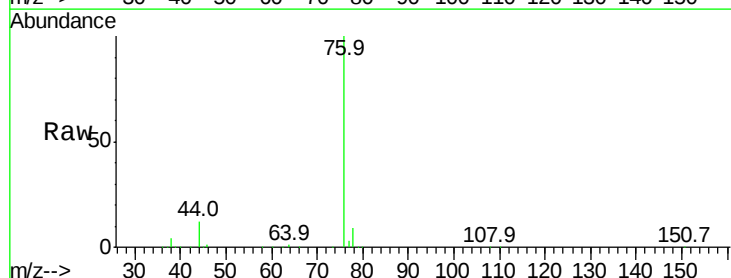
Acq: 01 Nov 2019 12:21

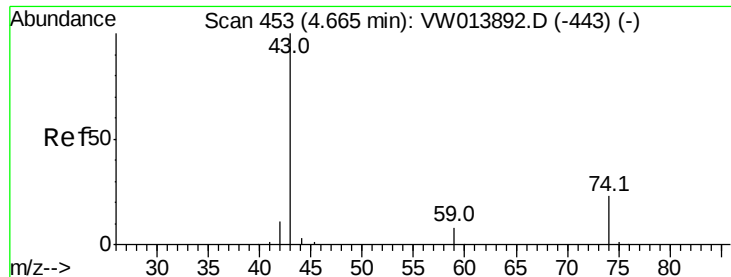
Tgt Ion: 76 Resp: 1542185

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

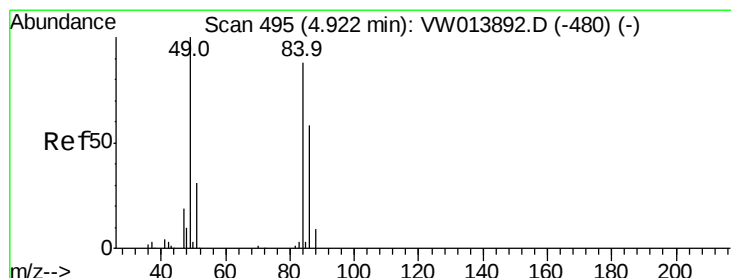
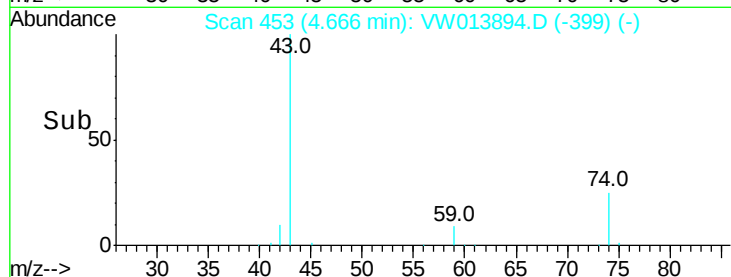
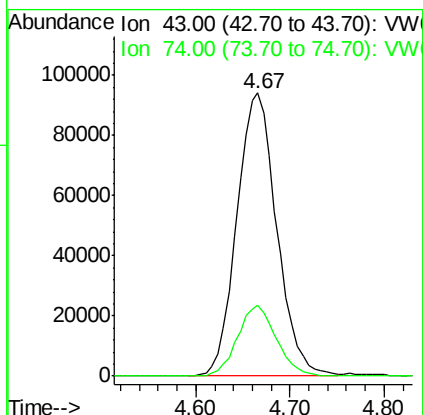
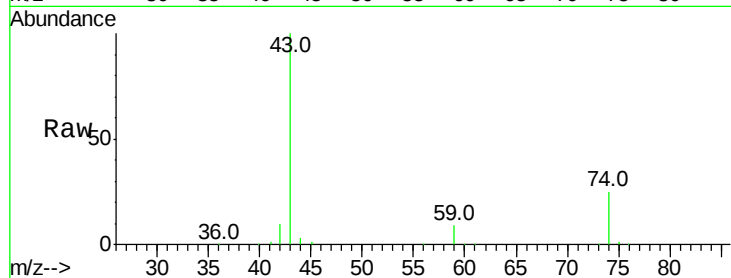




#15
Methyl Acetate
Concen: 91.383 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013894.D
Acq: 01 Nov 2019 12:21

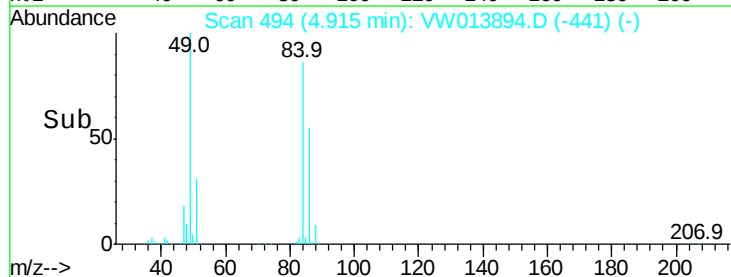
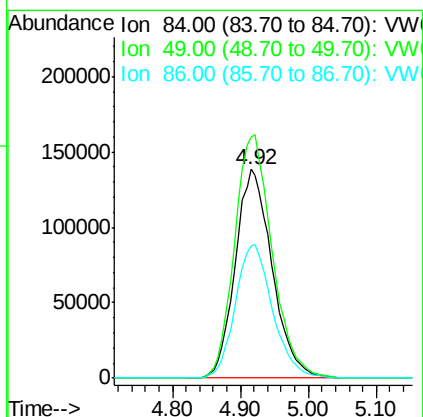
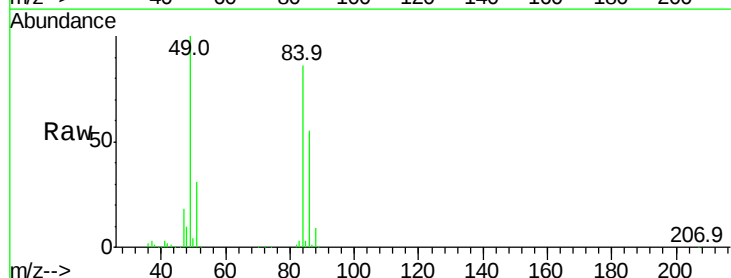
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

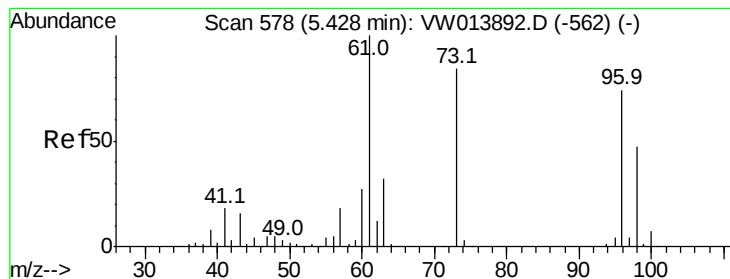
Tgt Ion: 43 Resp: 276723
Ion Ratio Lower Upper
43 100
74 24.5 19.1 28.7



#16
Methylene chloride
Concen: 81.471 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW013894.D
Acq: 01 Nov 2019 12:21

Tgt Ion: 84 Resp: 523115
Ion Ratio Lower Upper
84 100
49 115.7 79.7 148.1
86 63.7 46.4 86.2





#17

Methyl tert-butyl Ether

Concen: 98.069 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampled :

VSTD10003

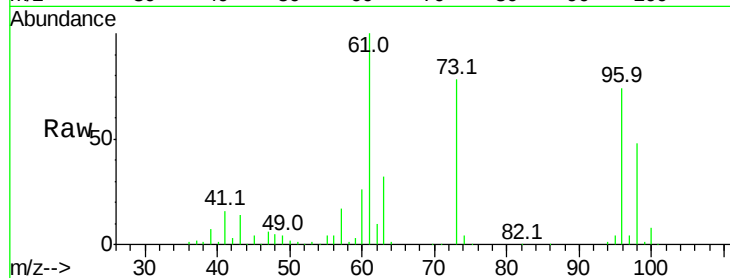
Tgt Ion: 73 Resp: 664042

Ion Ratio Lower Upper

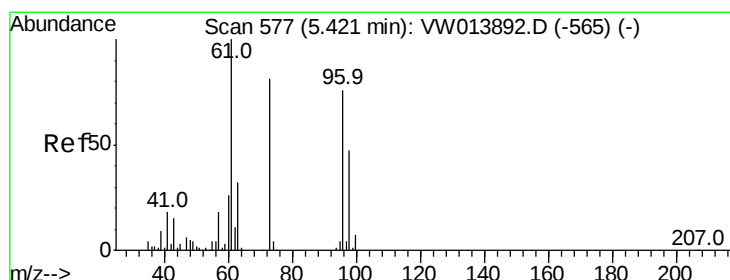
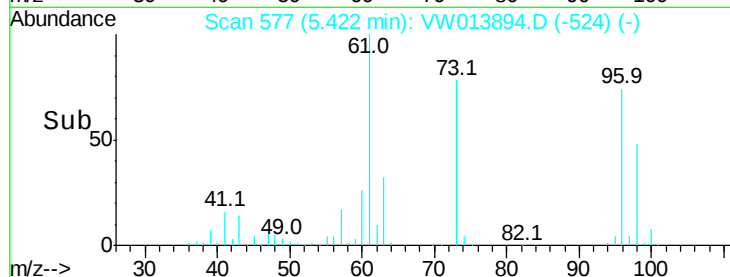
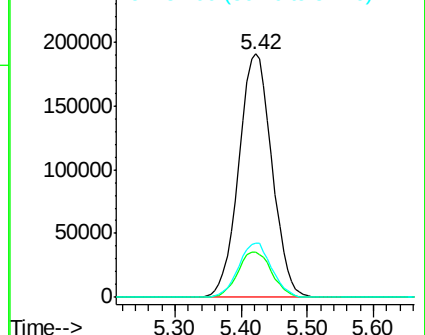
73 100

43 19.2 14.4 21.6

57 22.3 17.8 26.6



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: 97.059 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

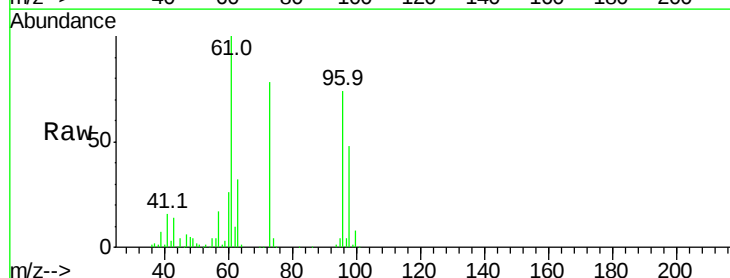
Tgt Ion: 96 Resp: 552825

Ion Ratio Lower Upper

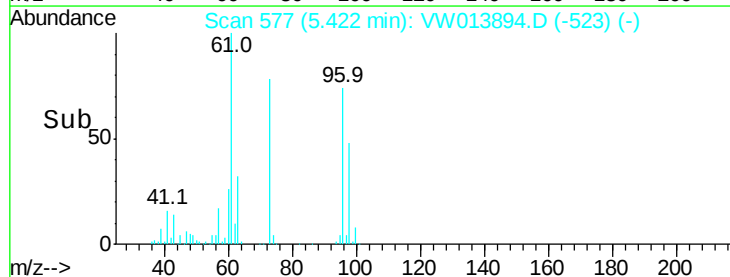
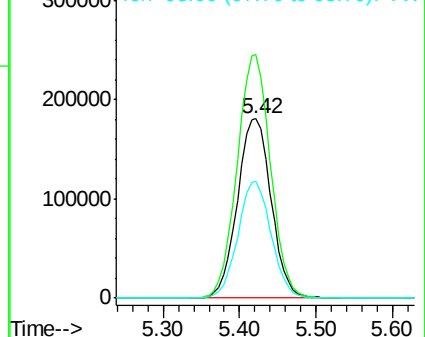
96 100

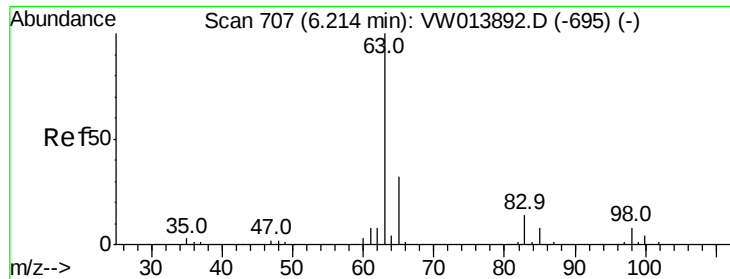
61 135.6 92.6 172.0

98 65.3 43.8 81.3



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

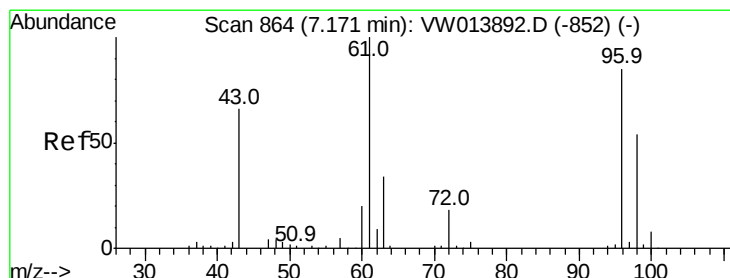
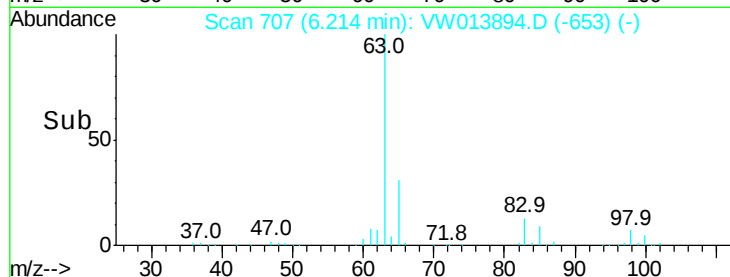
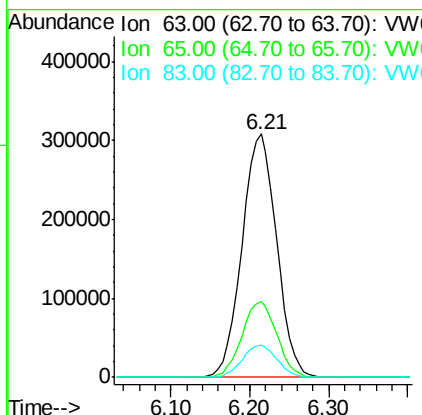
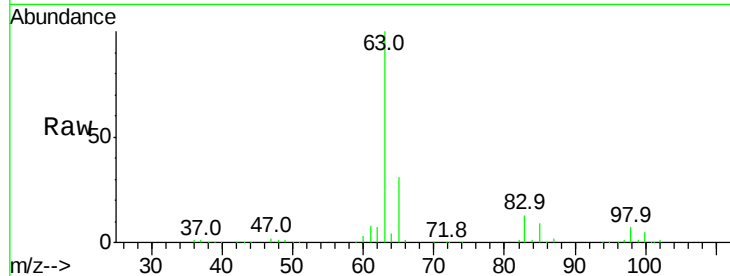




#19
 1,1-Dichloroethane
 Concen: 96.308 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013894.D
 Acq: 01 Nov 2019 12:21

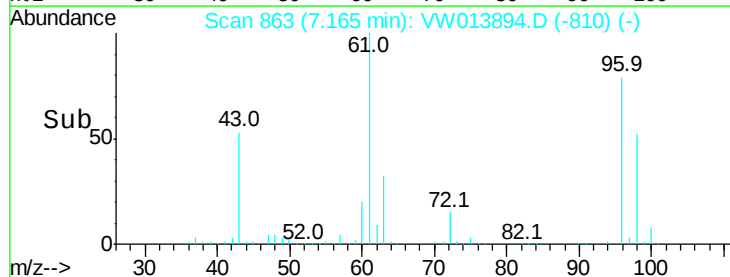
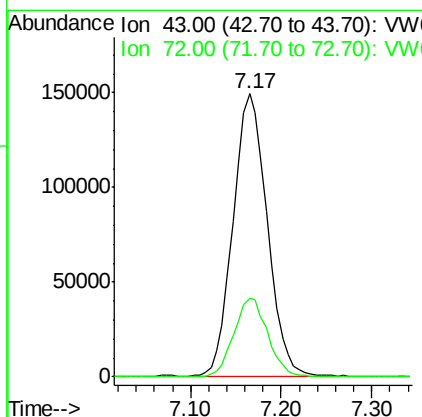
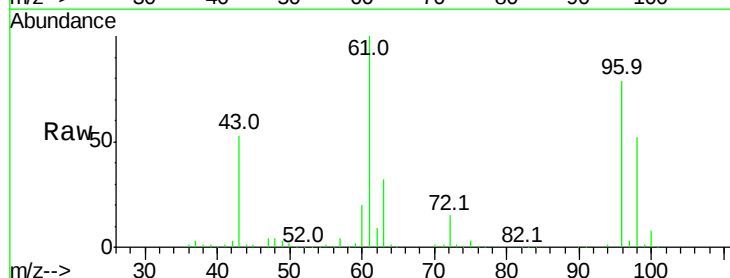
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

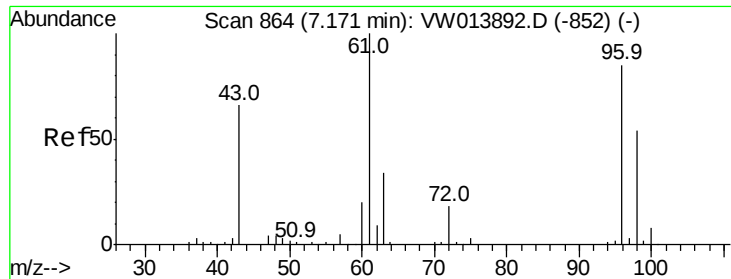
Tgt Ion: 63 Resp: 938315
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.3 41.5
 83 13.4 10.1 18.7



#21
 2-Butanone
 Concen: 164.950 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013894.D
 Acq: 01 Nov 2019 12:21

Tgt Ion: 43 Resp: 389260
 Ion Ratio Lower Upper
 43 100
 72 27.8 13.6 40.8



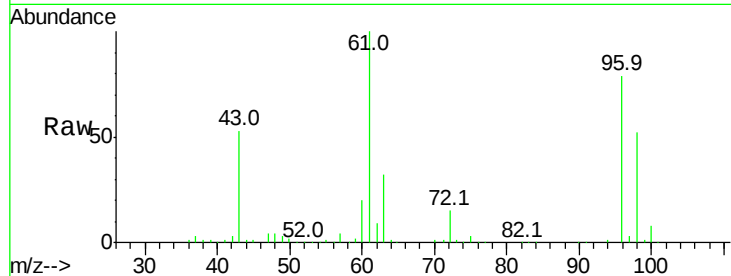


#22

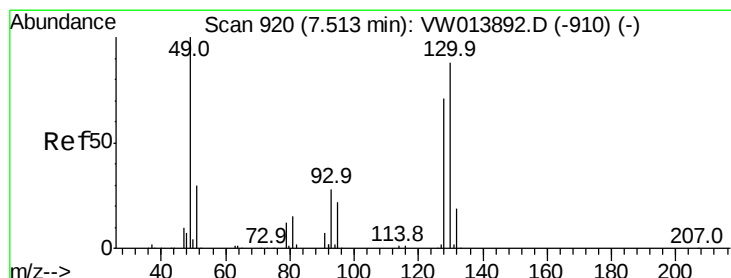
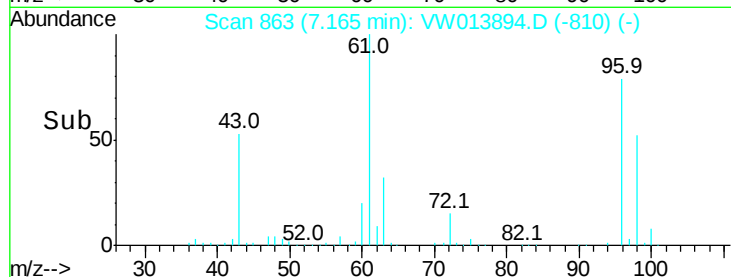
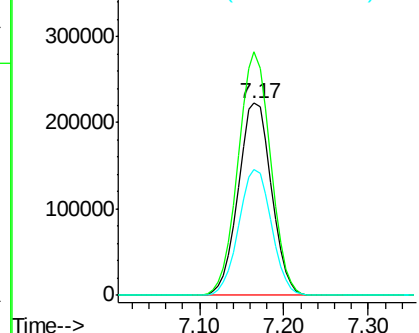
cis-1,2-Dichloroethene
Concen: 97.532 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013894.D
Acq: 01 Nov 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

Tgt Ion: 96 Resp: 594645
Ion Ratio Lower Upper
96 100
61 126.6 82.3 152.9
98 65.5 44.0 81.8



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

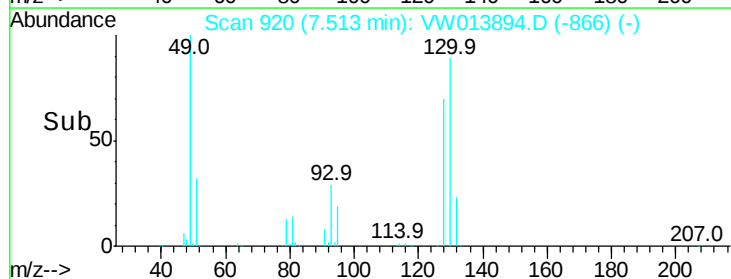
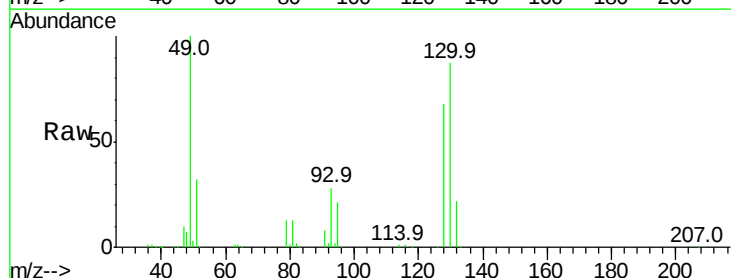
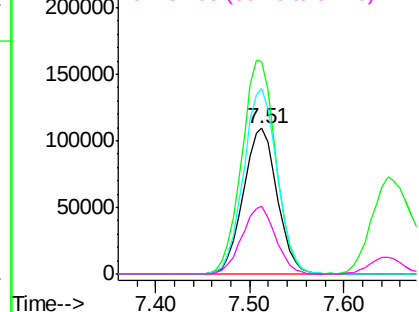


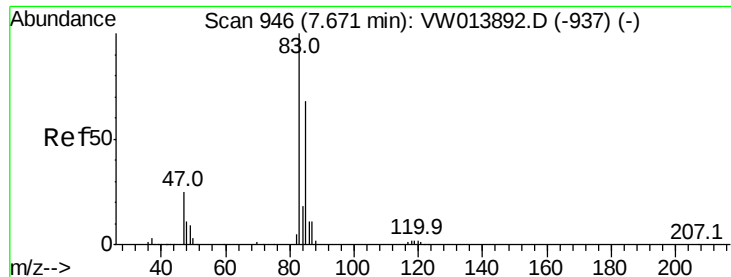
#23

Bromochloromethane
Concen: 96.653 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013894.D
Acq: 01 Nov 2019 12:21

Tgt Ion: 128 Resp: 275094
Ion Ratio Lower Upper
128 100
49 146.3 98.7 183.3
130 127.1 86.8 161.2
51 46.2 34.2 51.2

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 94.950 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

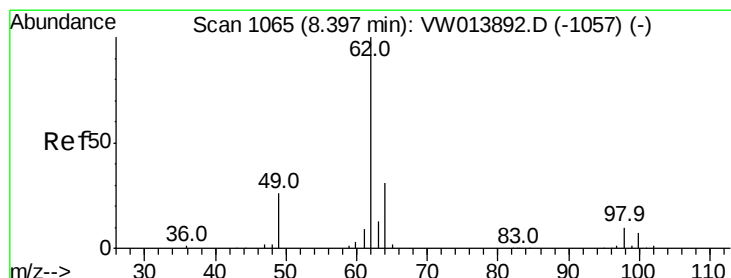
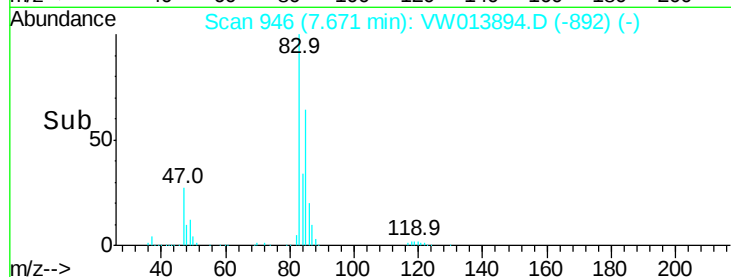
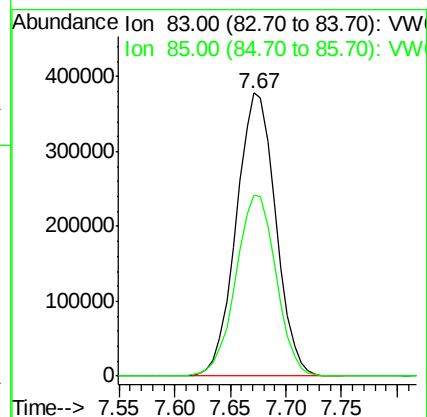
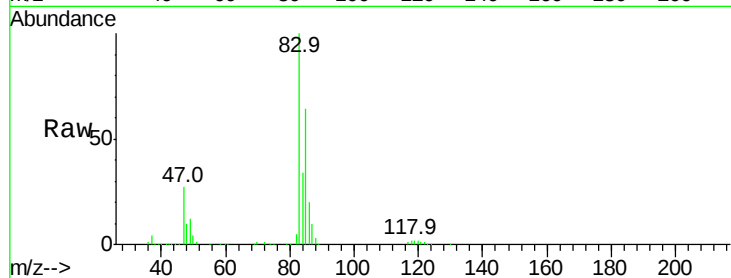
VSTD10003

Tgt Ion: 83 Resp: 928738

Ion Ratio Lower Upper

83 100

85 65.5 46.9 87.1



#27

1,2-Dichloroethane

Concen: 95.179 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013894.D

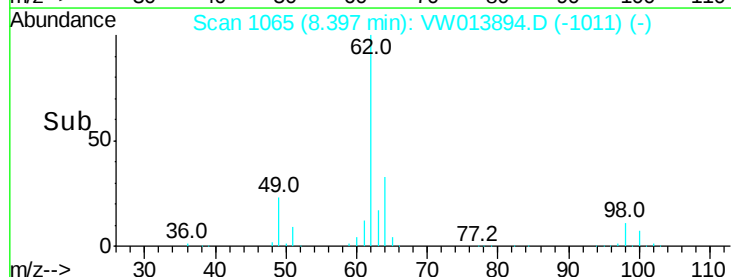
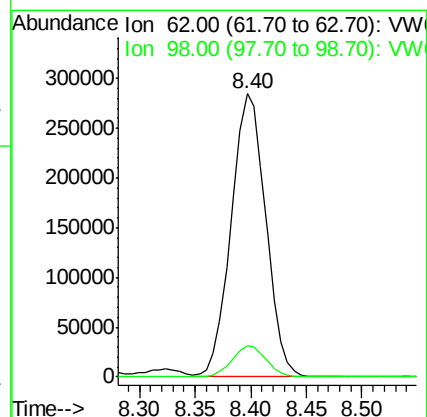
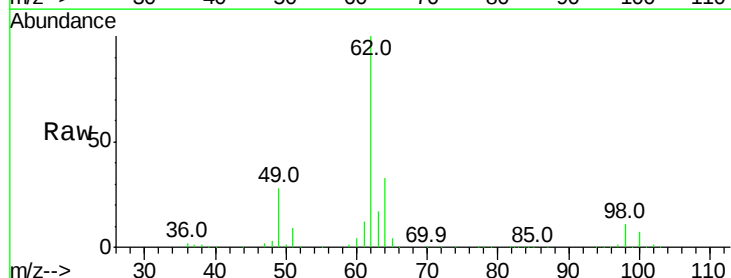
Acq: 01 Nov 2019 12:21

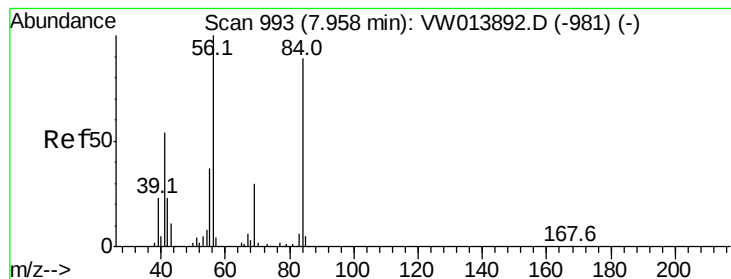
Tgt Ion: 62 Resp: 612307

Ion Ratio Lower Upper

62 100

98 11.0 8.2 12.2





#30

Cyclohexane

Concen: 101.073 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

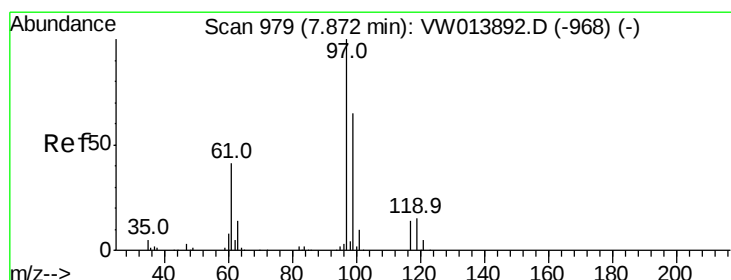
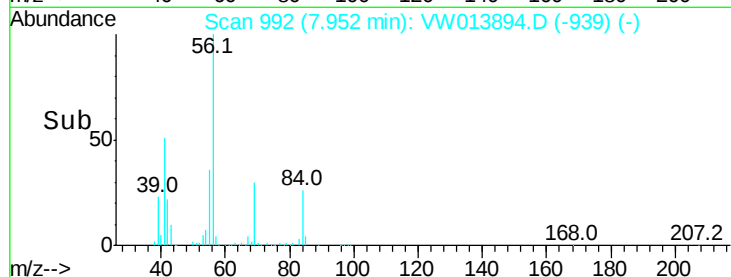
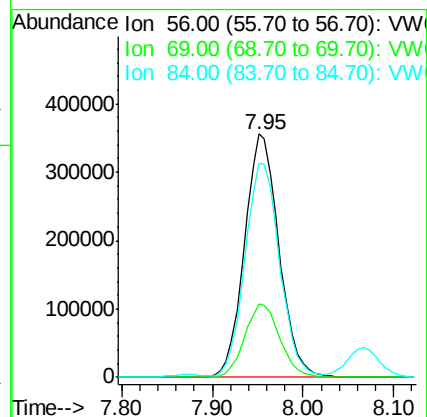
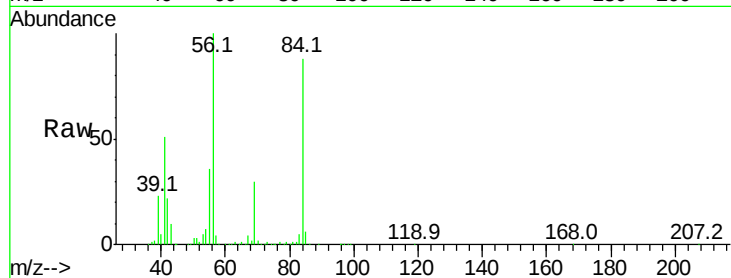
Tgt Ion: 56 Resp: 935186

Ion Ratio Lower Upper

56 100

69 30.8 24.5 36.7

84 89.4 70.6 105.8



#31

1,1,1-Trichloroethane

Concen: 97.503 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

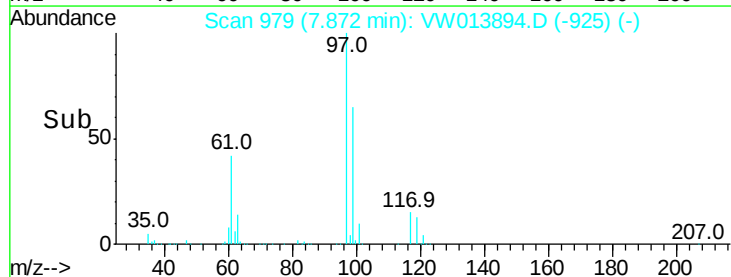
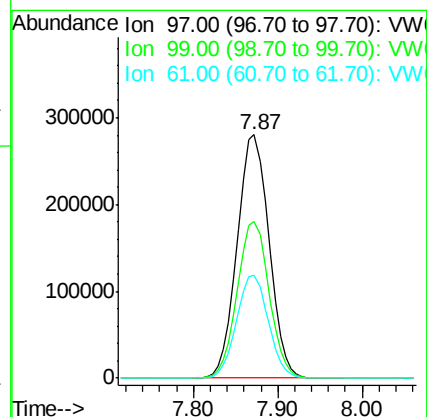
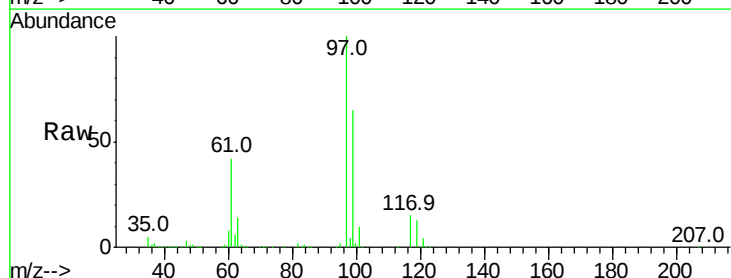
Tgt Ion: 97 Resp: 720328

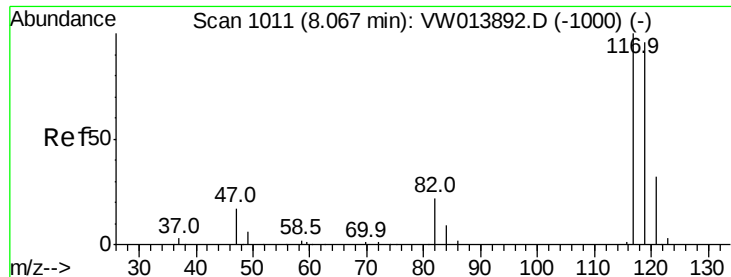
Ion Ratio Lower Upper

97 100

99 64.2 52.0 78.0

61 42.1 33.6 50.4





#32

Carbon tetrachloride

Concen: 98.891 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

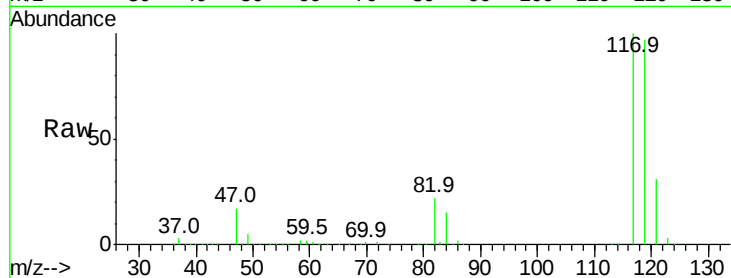
VSTD10003

Tgt Ion:117 Resp: 727235

Ion Ratio Lower Upper

117 100

119 95.8 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

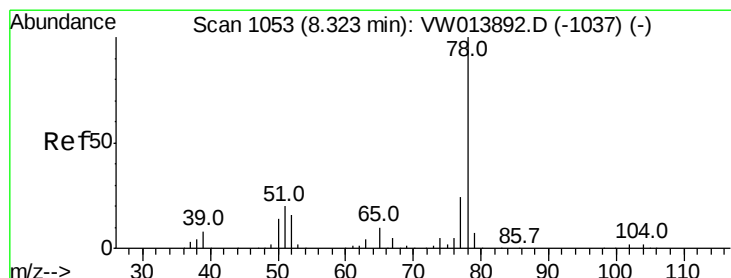
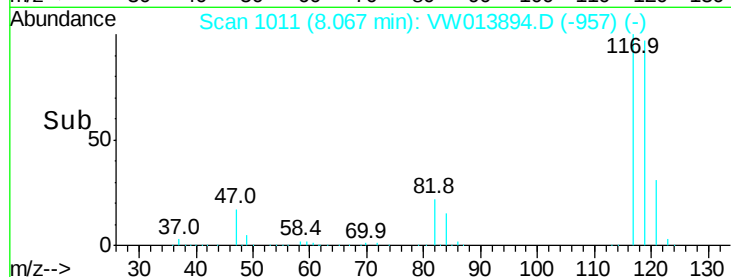
300000

200000

100000

0

Time-->



#34

Benzene

Concen: 96.771 ug/L

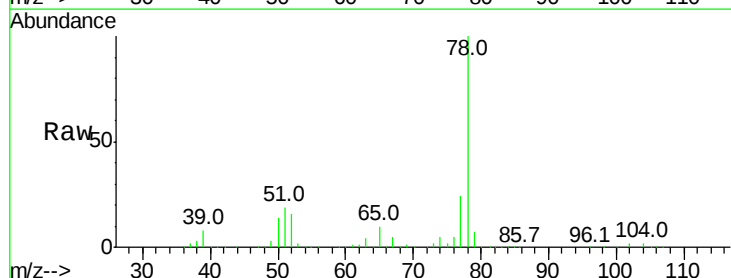
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Tgt Ion: 78 Resp: 2163173



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

1000000

800000

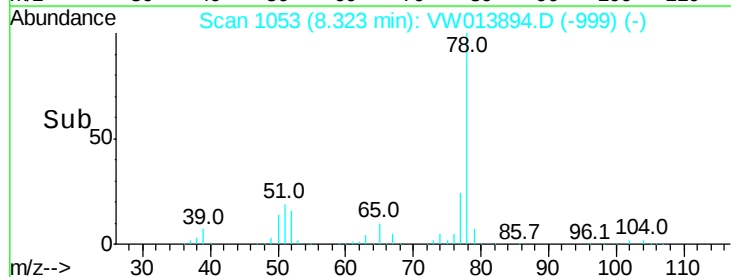
600000

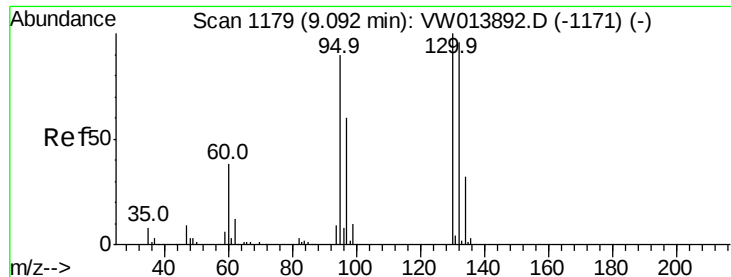
400000

200000

0

Time-->

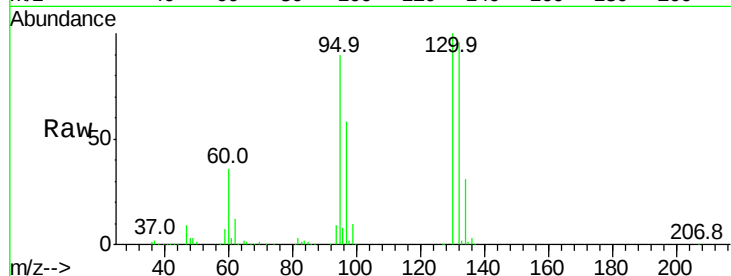




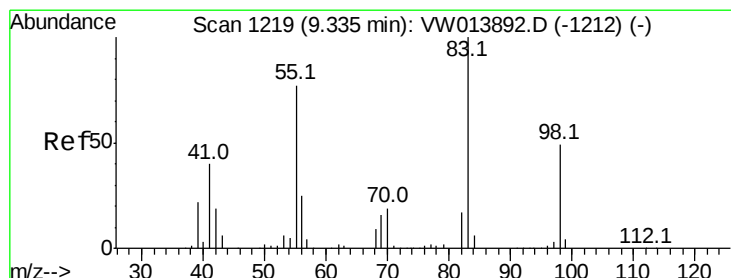
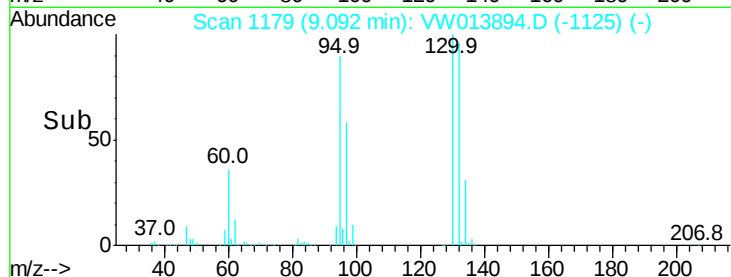
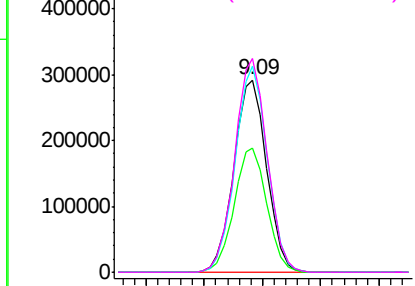
#35
 Trichloroethene
 Concen: 96.980 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013894.D
 Acq: 01 Nov 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

Tgt Ion: 95 Resp: 572138
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.9 83.5
 132 104.8 73.3 136.1
 130 109.8 75.5 140.1

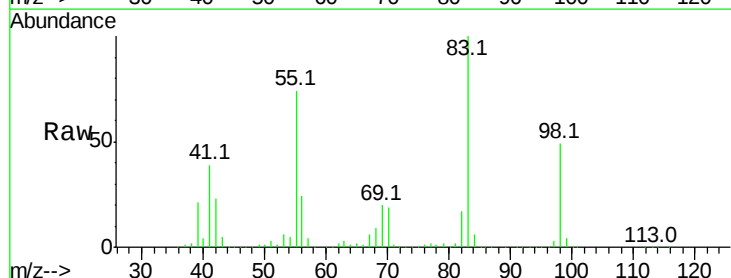


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

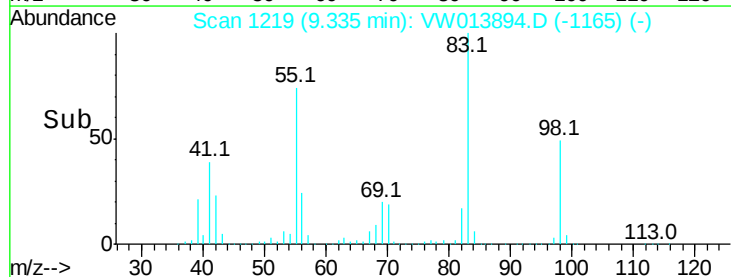
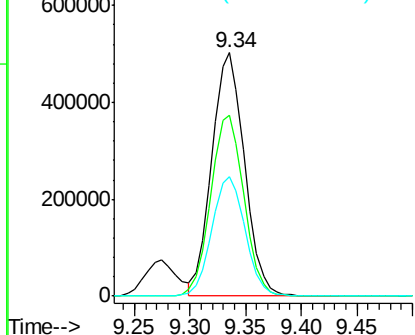


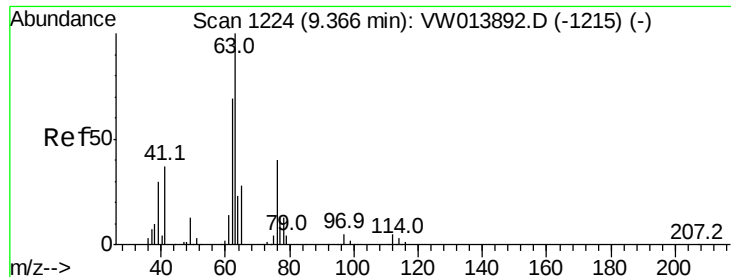
#36
 Methylcyclohexane
 Concen: 100.259 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW013894.D
 Acq: 01 Nov 2019 12:21

Tgt Ion: 83 Resp: 1023915
 Ion Ratio Lower Upper
 83 100
 55 75.4 60.2 90.2
 98 49.9 39.2 58.8



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





#40

1,2-Dichloropropane

Concen: 96.835 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

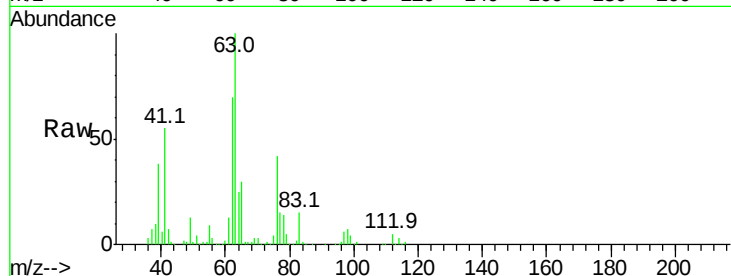
VSTD10003

Tgt Ion: 63 Resp: 534743

Ion Ratio Lower Upper

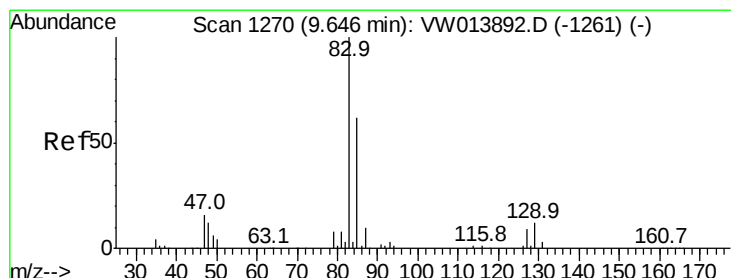
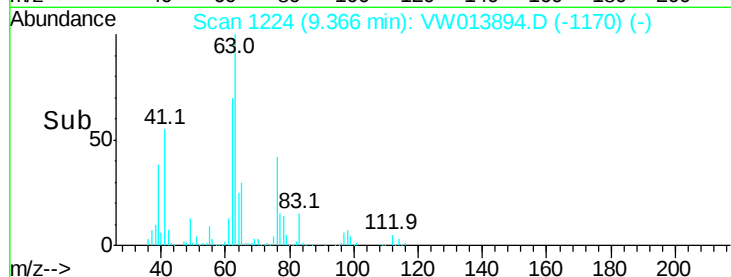
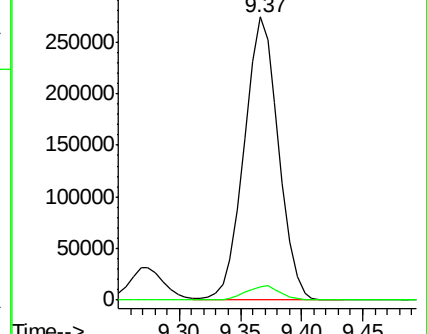
63 100

112 5.0 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 100.723 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

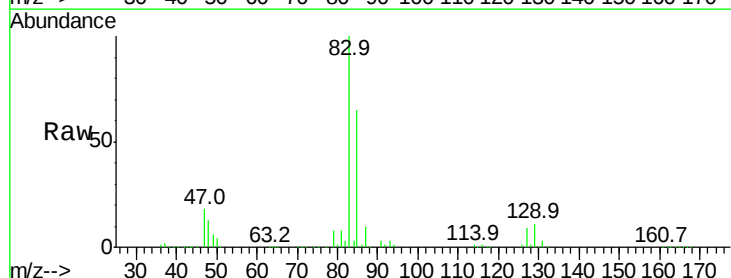
Tgt Ion: 83 Resp: 698546

Ion Ratio Lower Upper

83 100

85 64.9 43.5 80.7

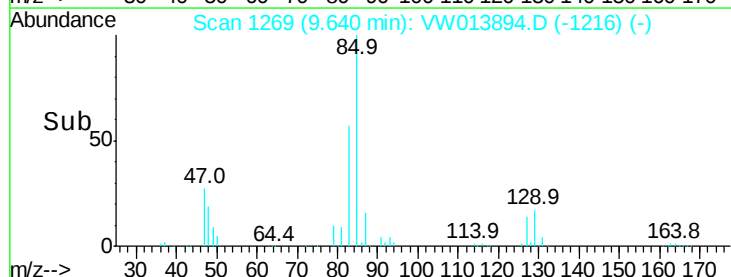
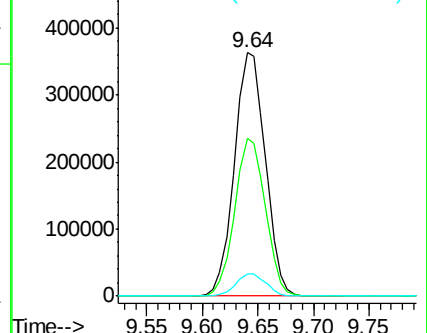
127 9.0 7.0 10.4

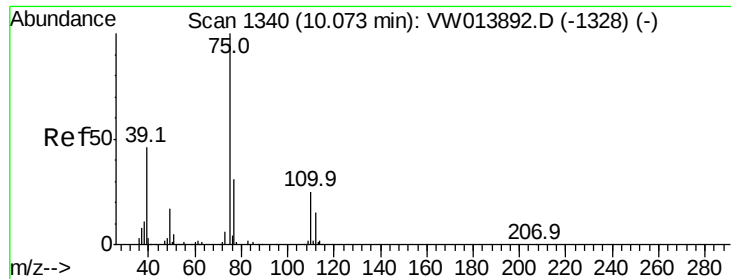


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 104.538 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampled :

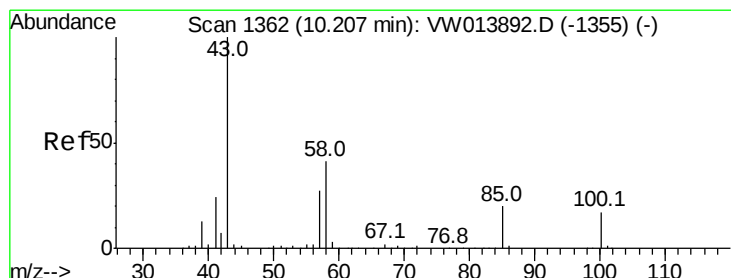
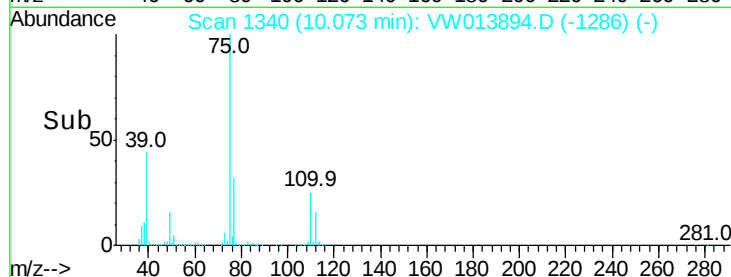
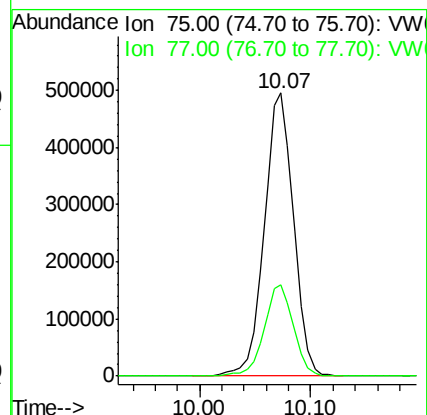
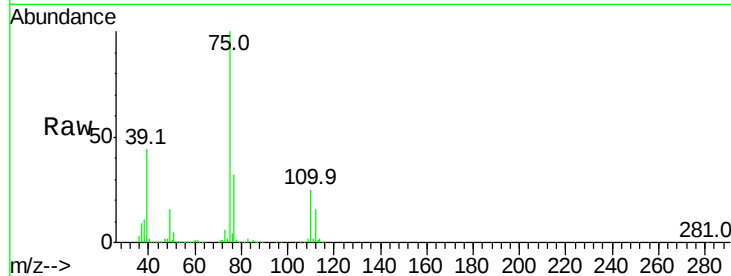
VSTD10003

Tgt Ion: 75 Resp: 906281

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 188.456 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

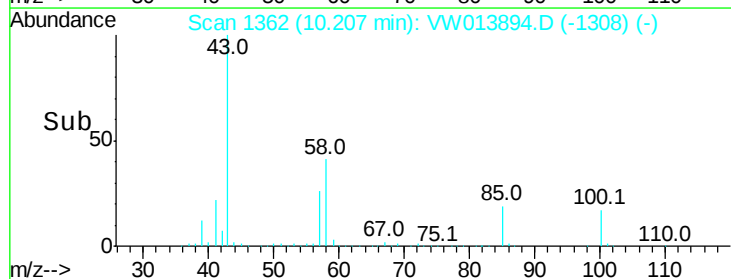
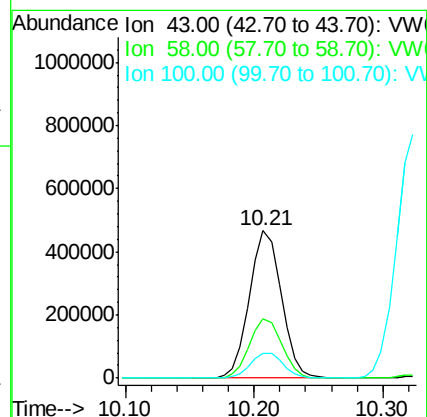
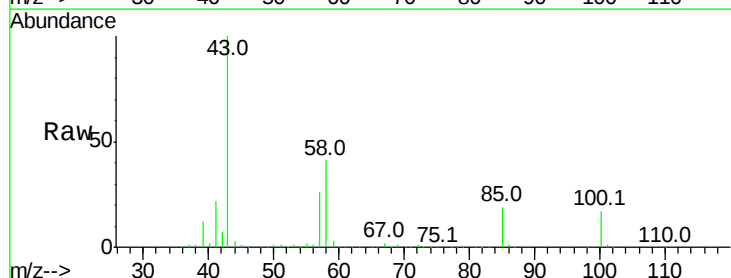
Tgt Ion: 43 Resp: 803006

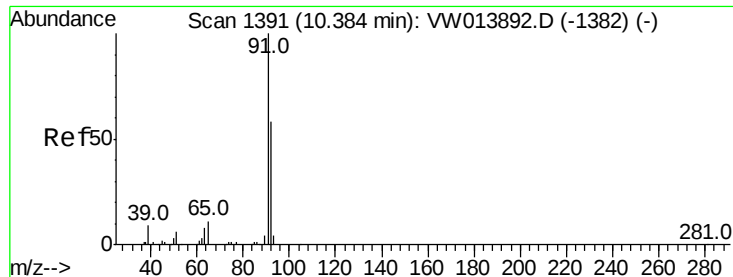
Ion Ratio Lower Upper

43 100

58 40.8 32.6 48.8

100 17.5 14.1 21.1





#44

Toluene

Concen: 98.838 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

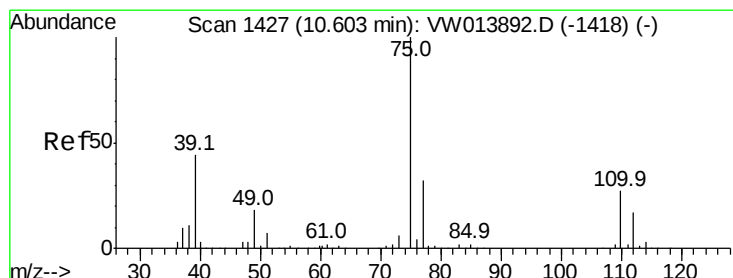
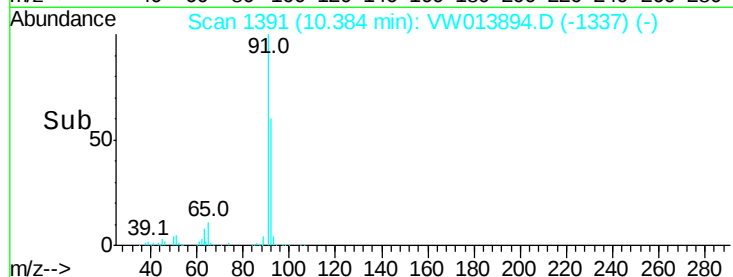
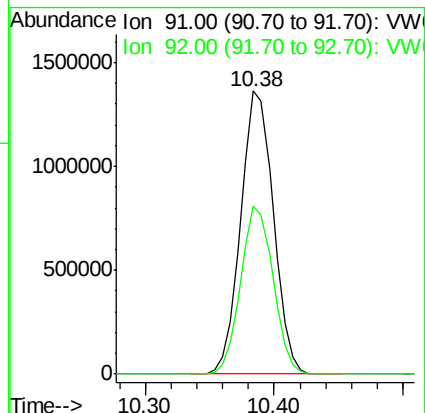
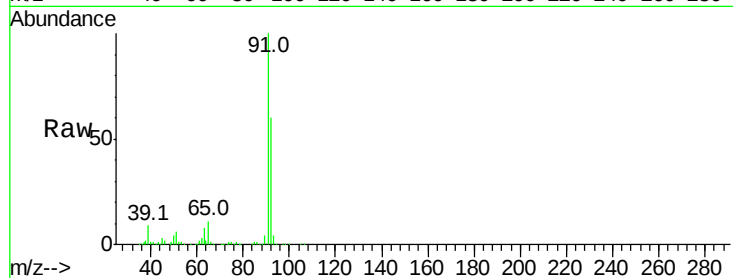
VSTD10003

Tgt Ion: 91 Resp: 2385609

Ion Ratio Lower Upper

91 100

92 59.6 40.3 74.9



#45

trans-1,3-Dichloropropene

Concen: 104.498 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013894.D

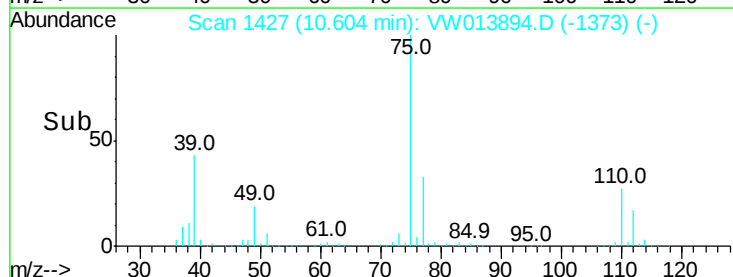
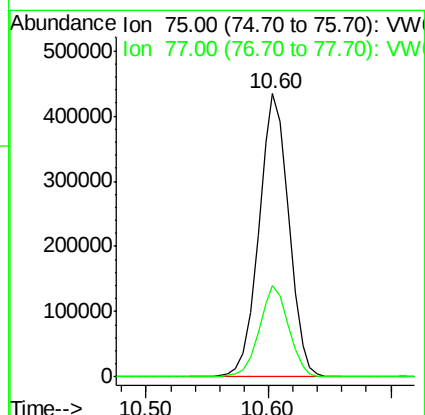
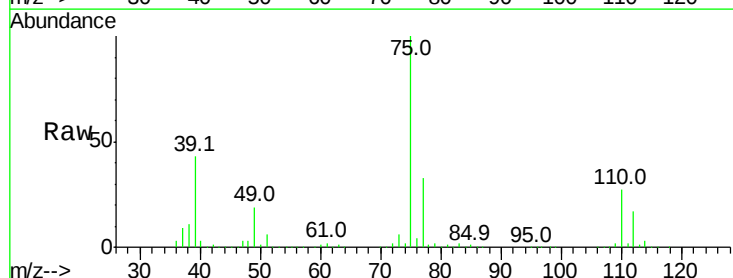
Acq: 01 Nov 2019 12:21

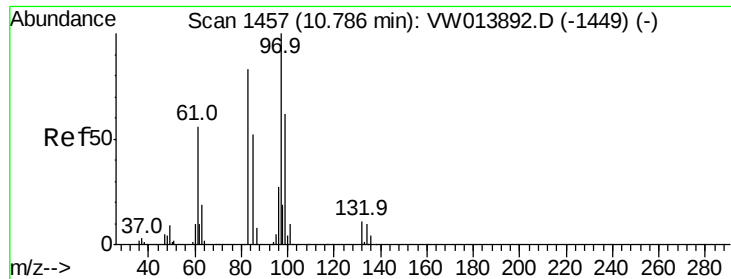
Tgt Ion: 75 Resp: 738864

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7

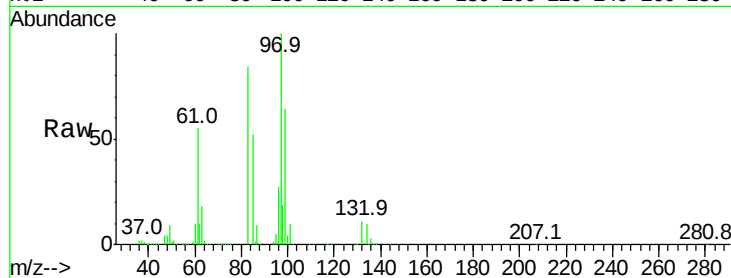




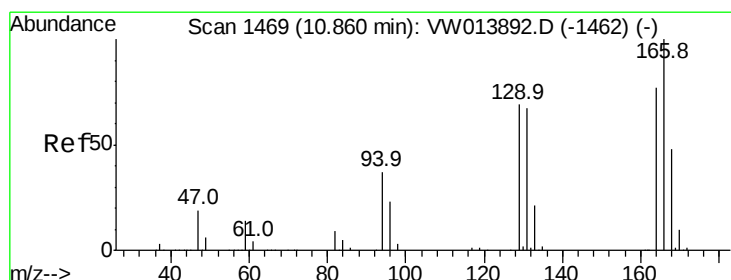
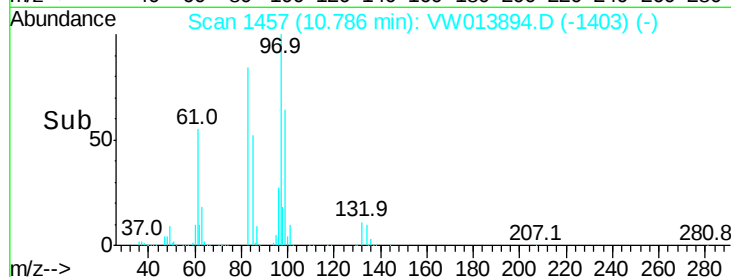
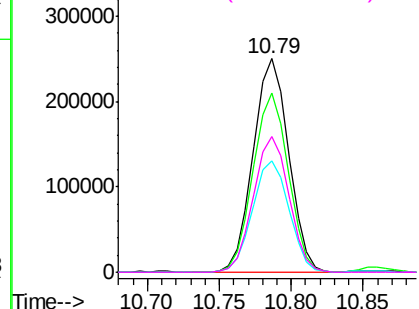
#46
 1,1,2-Trichloroethane
 Concen: 95.656 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013894.D
 Acq: 01 Nov 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

Tgt Ion: 97 Resp: 425901
 Ion Ratio Lower Upper
 97 100
 83 83.7 58.4 108.4
 85 52.3 36.2 67.2
 99 63.8 43.1 80.1

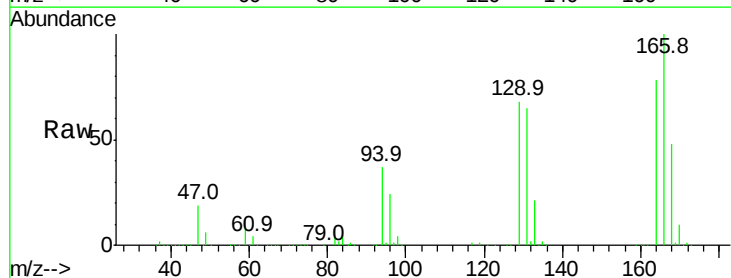


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

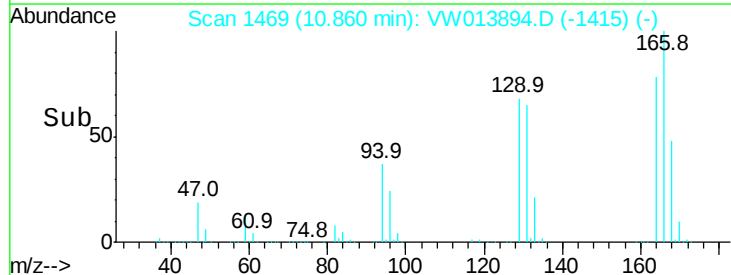
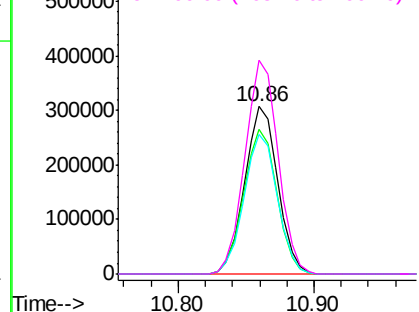


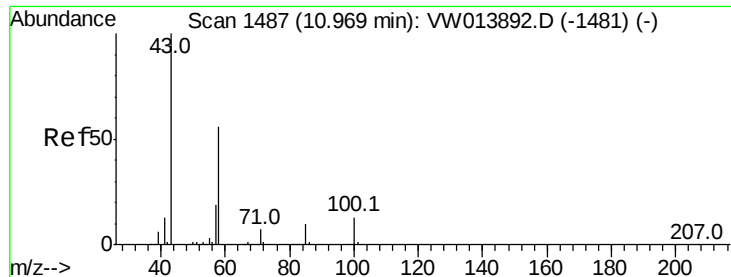
#47
 Tetrachloroethene
 Concen: 98.861 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW013894.D
 Acq: 01 Nov 2019 12:21

Tgt Ion: 164 Resp: 523790
 Ion Ratio Lower Upper
 164 100
 129 86.4 63.0 117.0
 131 83.4 60.6 112.6
 166 127.6 90.7 168.5



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

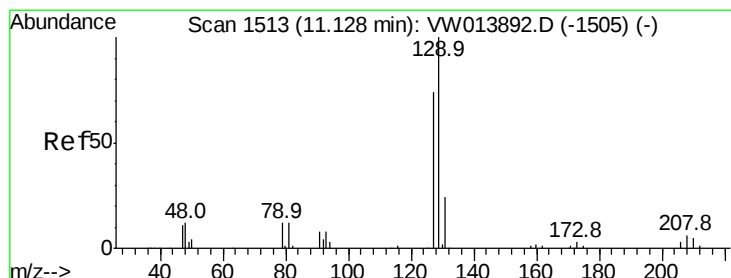
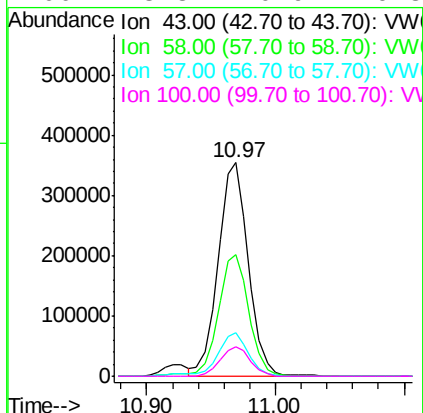
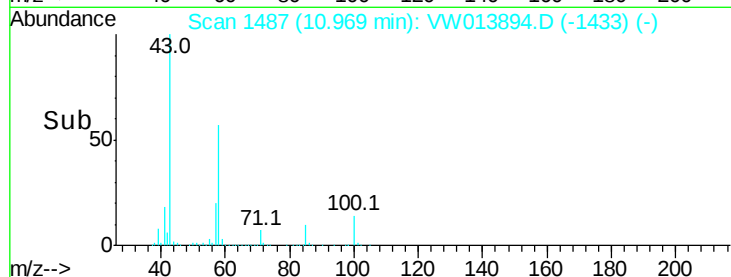
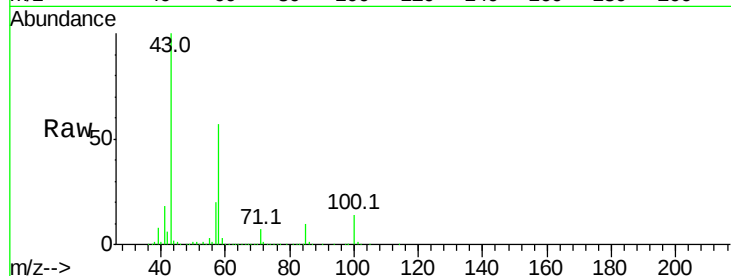




#49
2-Hexanone
Concen: 189.975 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013894.D
Acq: 01 Nov 2019 12:21

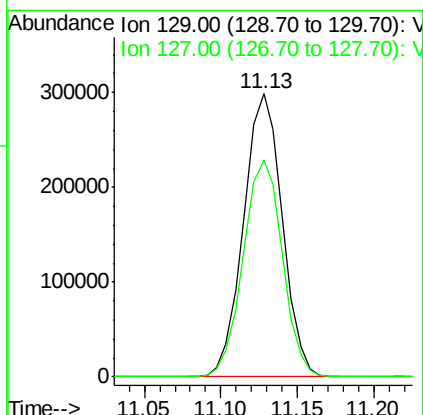
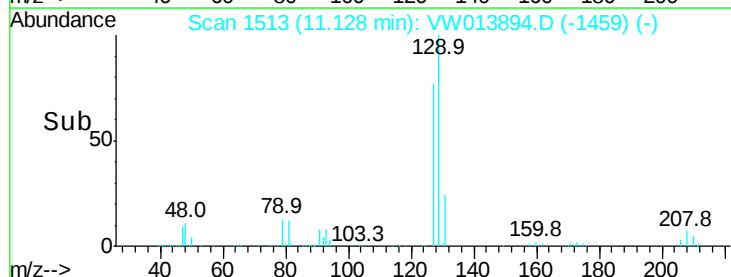
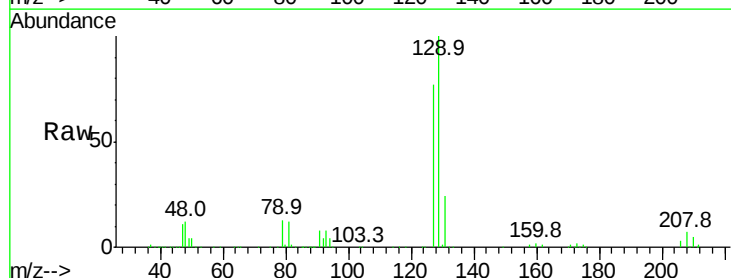
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

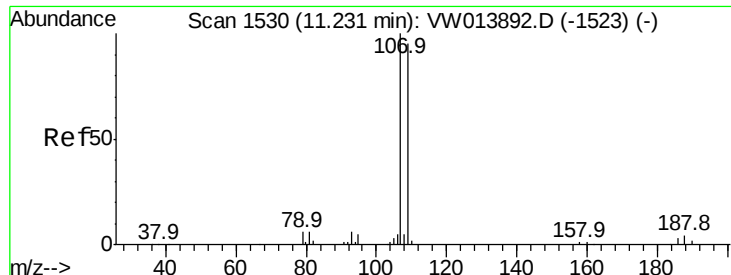
Tgt Ion: 43 Resp: 579256
Ion Ratio Lower Upper
43 100
58 57.3 45.2 67.8
57 19.8 15.4 23.0
100 13.8 10.9 16.3



#50
Dibromochloromethane
Concen: 101.706 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013894.D
Acq: 01 Nov 2019 12:21

Tgt Ion: 129 Resp: 526449
Ion Ratio Lower Upper
129 100
127 76.7 52.1 96.7

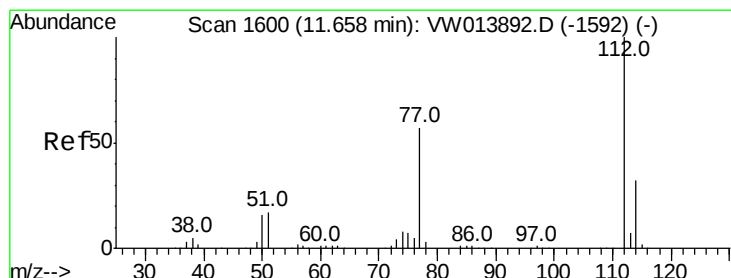
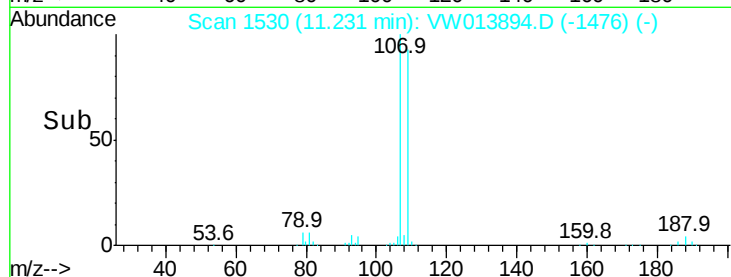
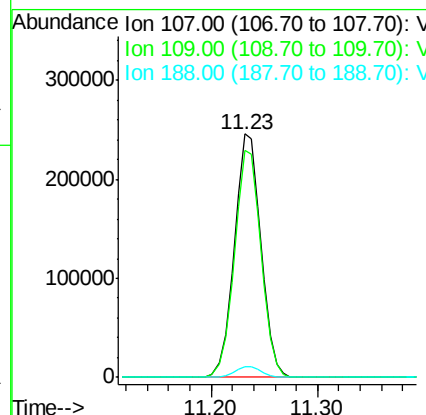
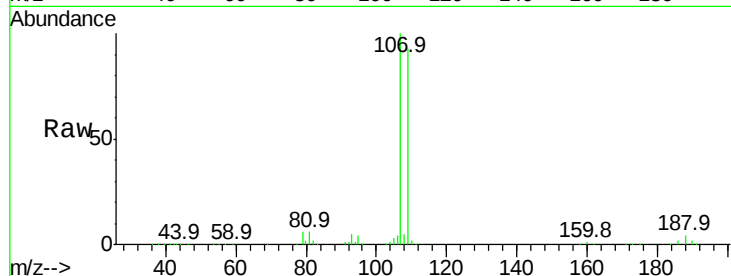




#51
1,2-Dibromoethane
Concen: 98.228 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW013894.D
Acq: 01 Nov 2019 12:21

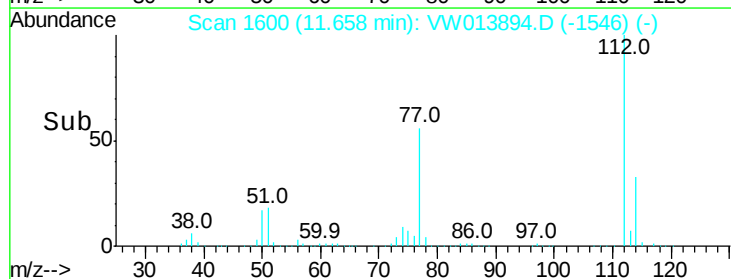
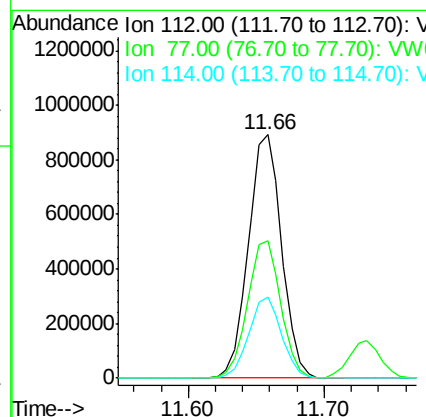
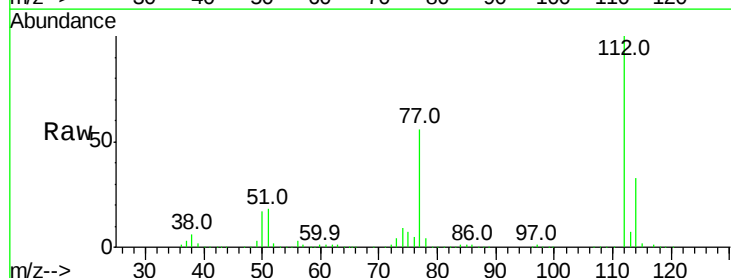
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

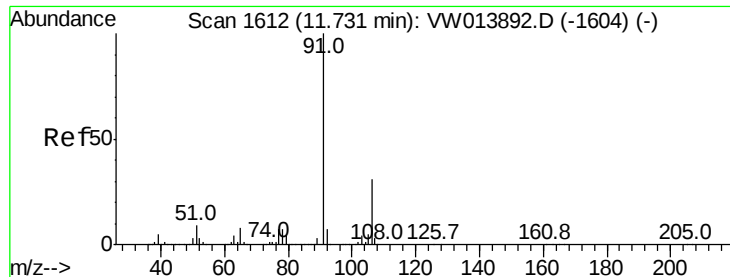
Tgt Ion:107 Resp: 428066
Ion Ratio Lower Upper
107 100
109 93.3 66.3 123.1
188 4.3 3.5 5.3



#52
Chlorobenzene
Concen: 97.378 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013894.D
Acq: 01 Nov 2019 12:21

Tgt Ion:112 Resp: 1524171
Ion Ratio Lower Upper
112 100
77 56.2 45.4 68.0
114 33.2 22.6 42.0

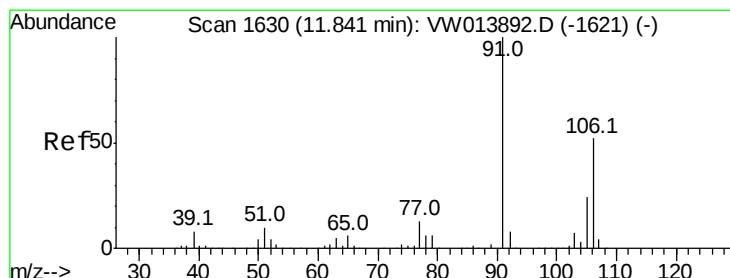
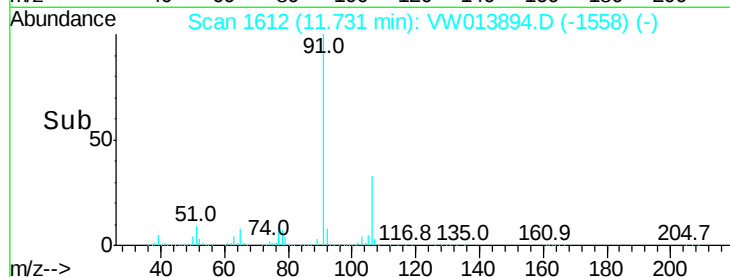
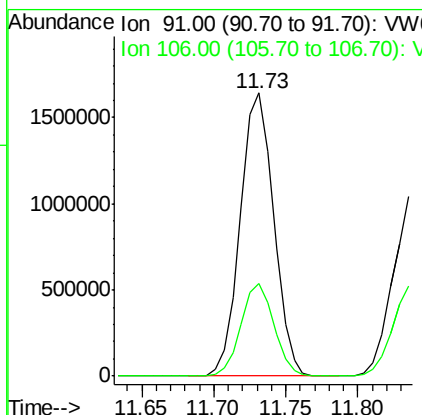
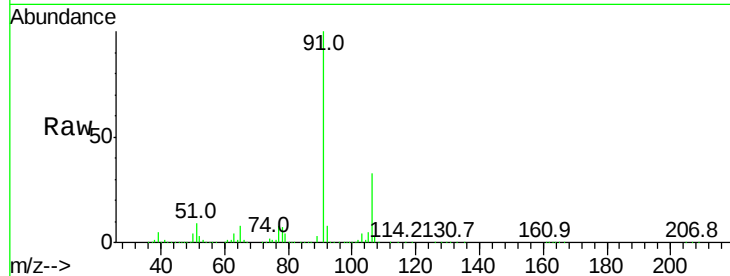




#53
Ethylbenzene
Concen: 99.491 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013894.D
Acq: 01 Nov 2019 12:21

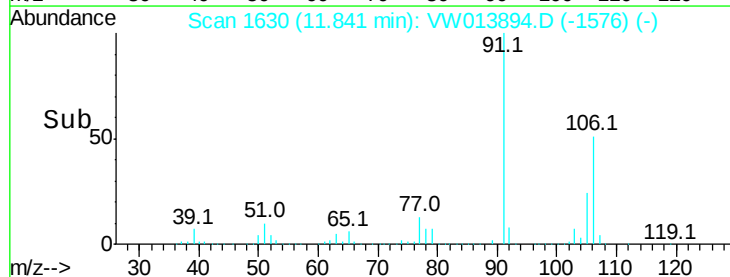
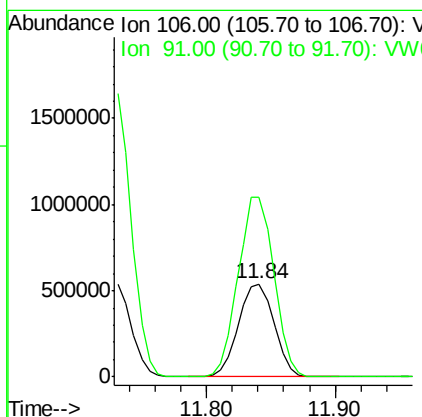
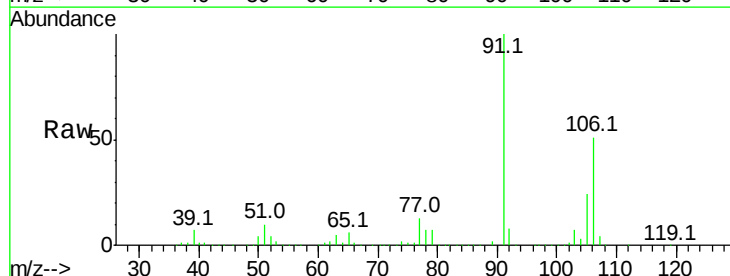
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

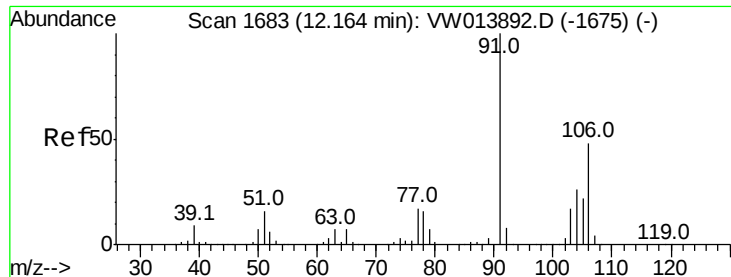
Tgt Ion: 91 Resp: 2650751
Ion Ratio Lower Upper
91 100
106 32.6 22.0 40.8



#54
m,p-Xylene
Concen: 99.124 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013894.D
Acq: 01 Nov 2019 12:21

Tgt Ion: 106 Resp: 1033212
Ion Ratio Lower Upper
106 100
91 194.2 133.7 248.3





#55

o-xylene

Concen: 100.768 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

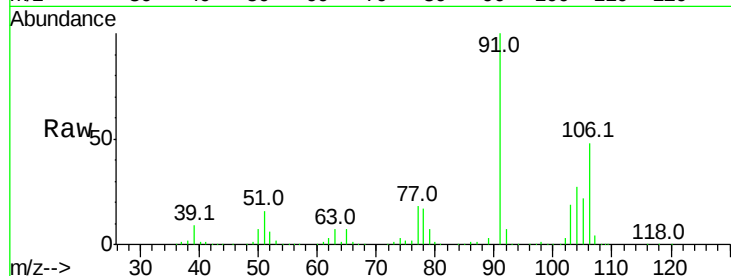
VSTD10003

Tgt Ion:106 Resp: 988603

Ion Ratio Lower Upper

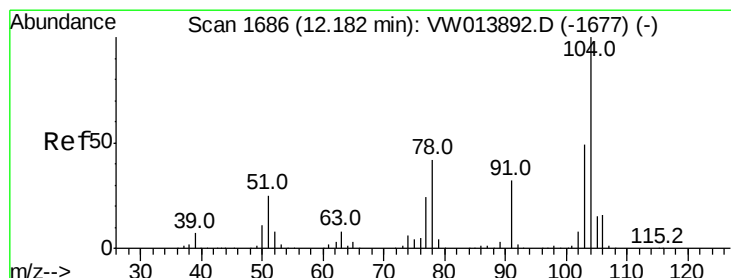
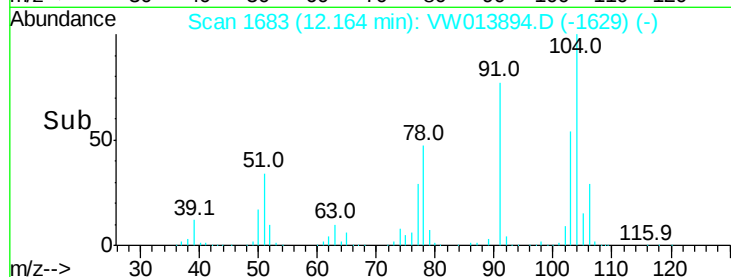
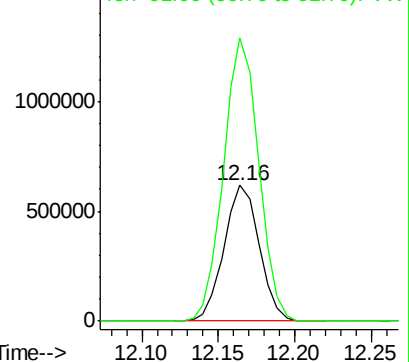
106 100

91 208.4 145.6 270.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 101.519 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW013894.D

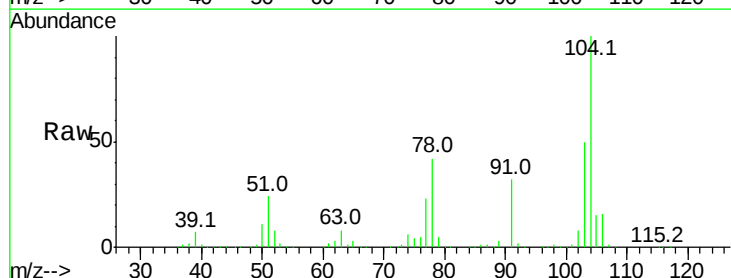
Acq: 01 Nov 2019 12:21

Tgt Ion:104 Resp: 1708921

Ion Ratio Lower Upper

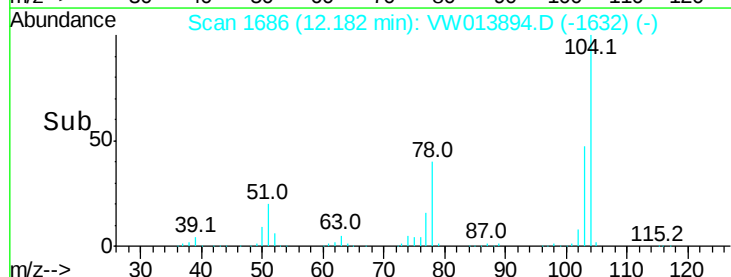
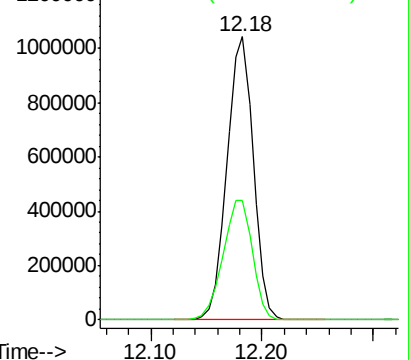
104 100

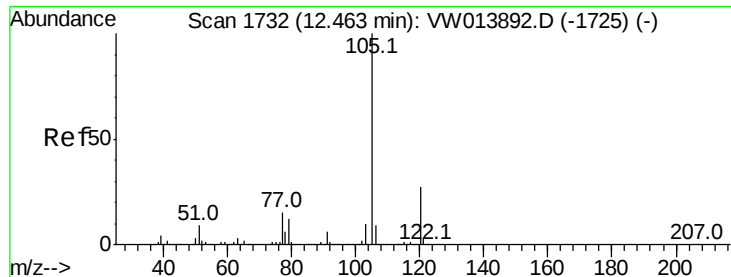
78 42.1 29.2 54.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 99.855 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

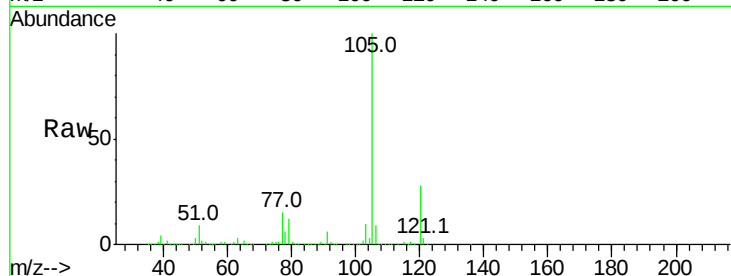
Tgt Ion:105 Resp: 2621829

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

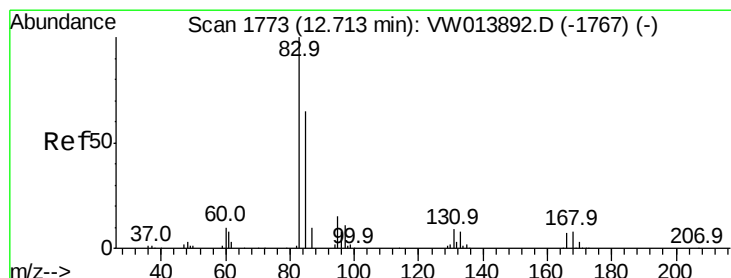
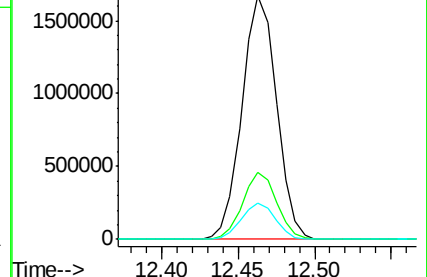
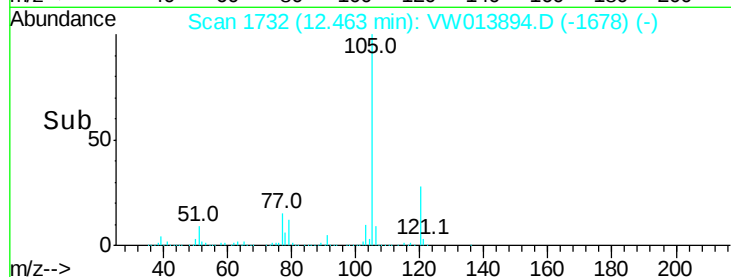
77 14.6 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 93.715 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

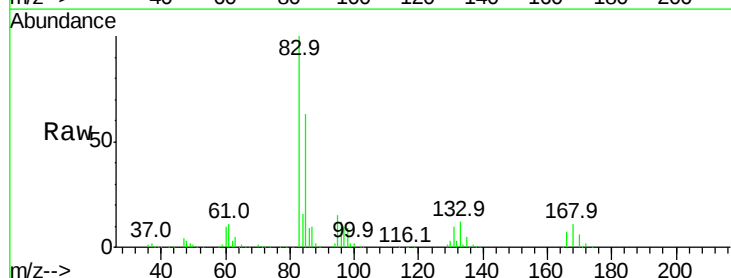
Tgt Ion: 83 Resp: 523833

Ion Ratio Lower Upper

83 100

85 63.4 45.6 84.6

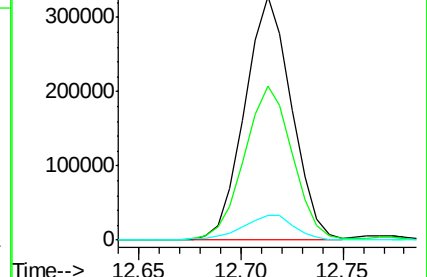
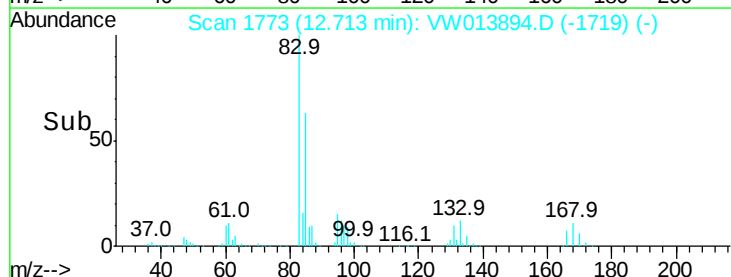
131 10.3 7.8 11.8

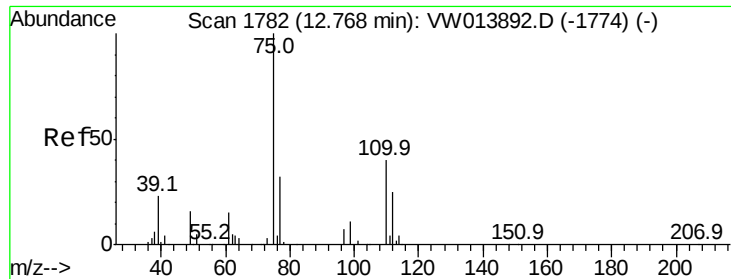


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 90.166 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

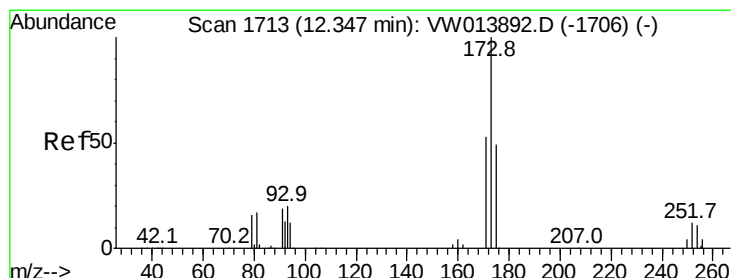
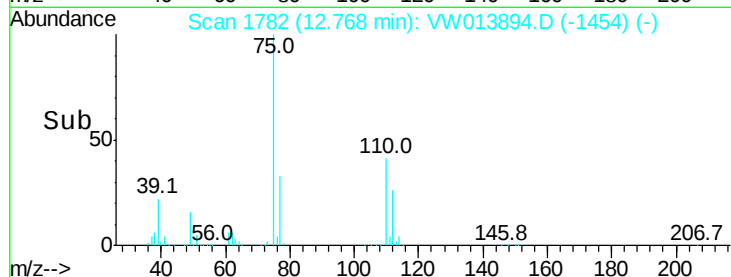
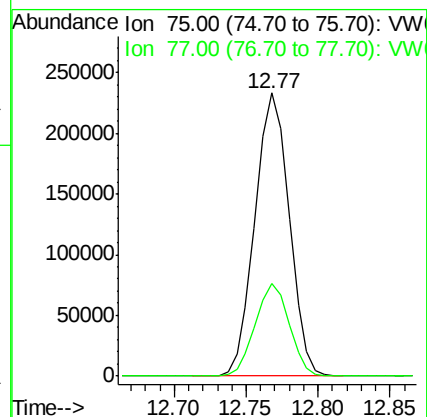
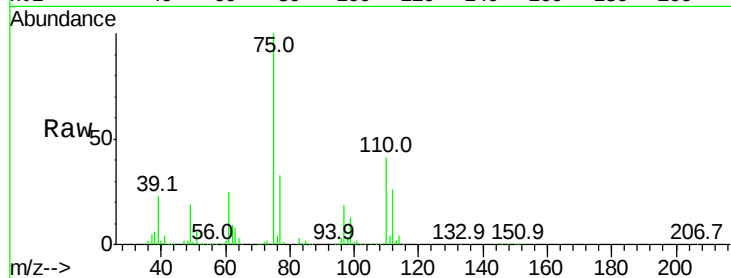
VSTD10003

Tgt Ion: 75 Resp: 384010

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#62

Bromoform

Concen: 100.683 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

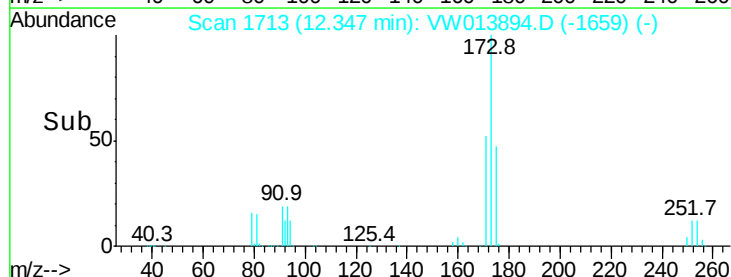
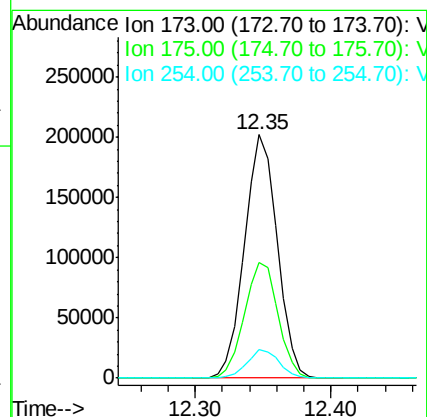
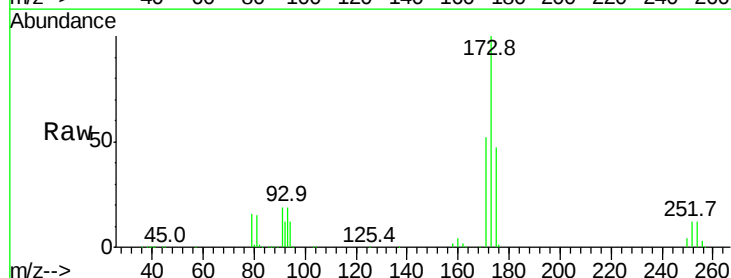
Tgt Ion: 173 Resp: 341448

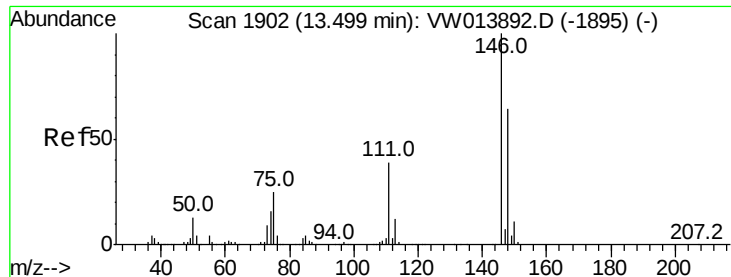
Ion Ratio Lower Upper

173 100

175 48.6 39.7 59.5

254 11.7 10.0 15.0



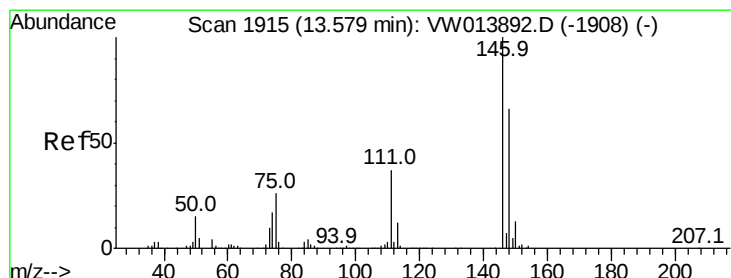
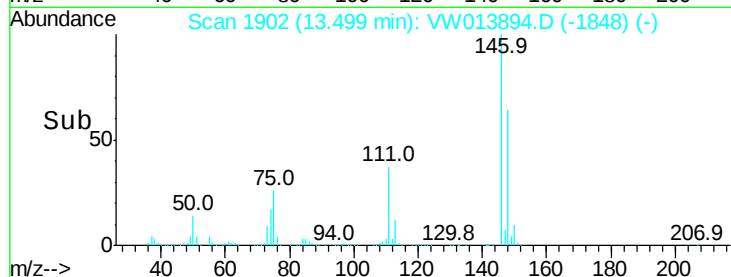
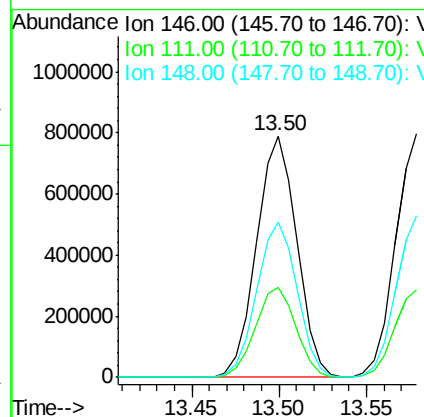
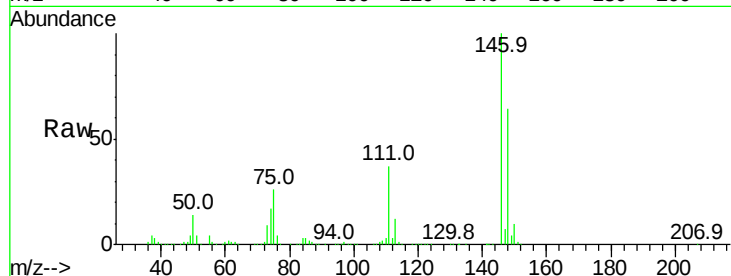


#63
 1,3-Dichlorobenzene
 Concen: 99.273 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013894.D
 Acq: 01 Nov 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

Tgt Ion:146 Resp: 1262897

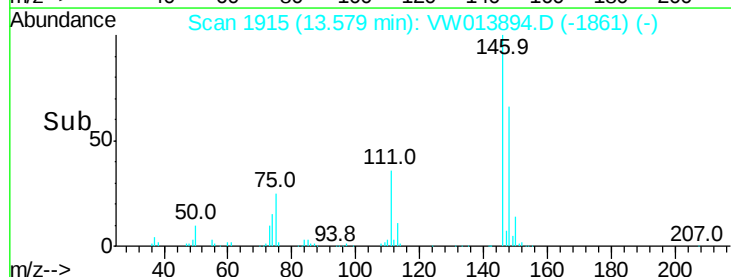
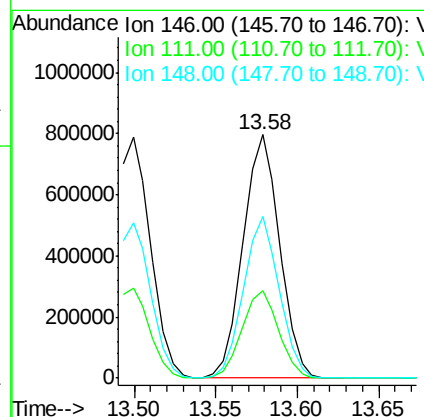
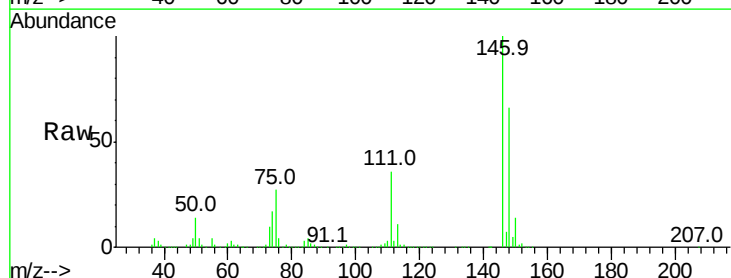
Ion	Ratio	Lower	Upper
146	100		
111	37.2	27.4	51.0
148	64.4	44.6	82.8

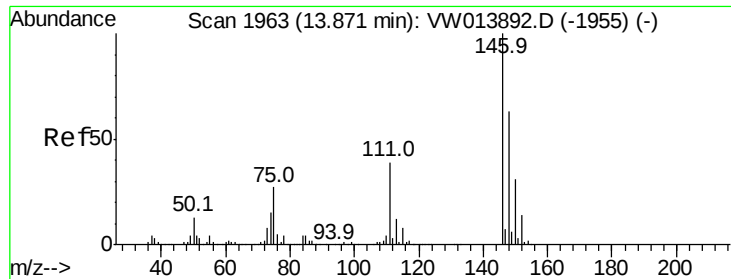


#64
 1,4-Dichlorobenzene
 Concen: 96.581 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013894.D
 Acq: 01 Nov 2019 12:21

Tgt Ion:146 Resp: 1246300

Ion	Ratio	Lower	Upper
146	100		
111	35.7	25.9	48.1
148	66.2	46.3	86.1





#65

1,2-Dichlorobenzene

Concen: 96.527 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

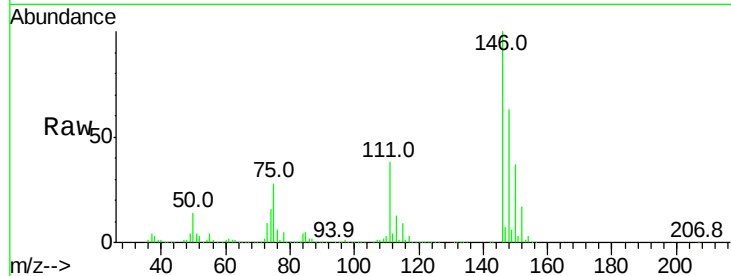
Tgt Ion:146 Resp: 1135036

Ion Ratio Lower Upper

146 100

111 38.3 31.6 47.4

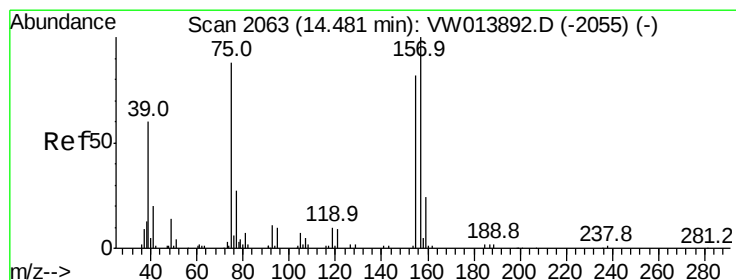
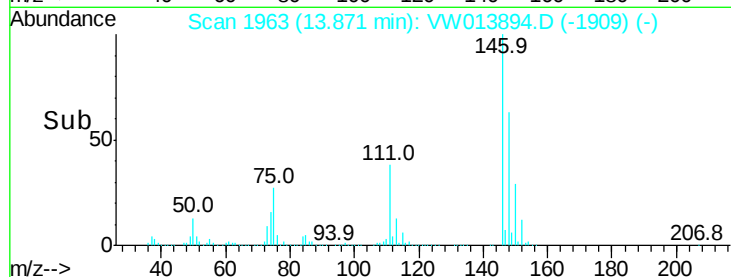
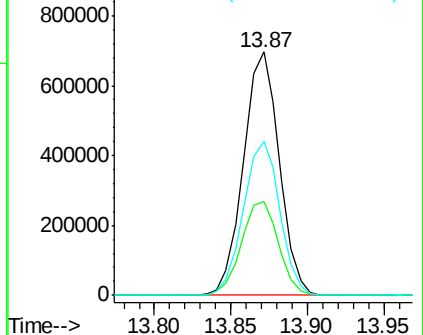
148 63.0 50.7 76.1



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: 94.216 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

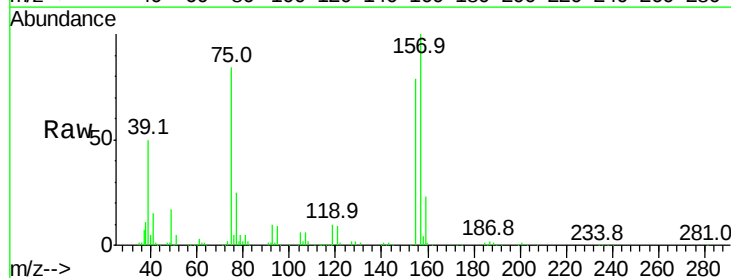
Tgt Ion: 75 Resp: 87561

Ion Ratio Lower Upper

75 100

157 119.4 91.0 136.6

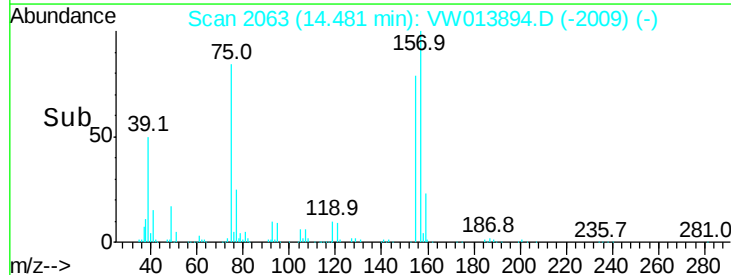
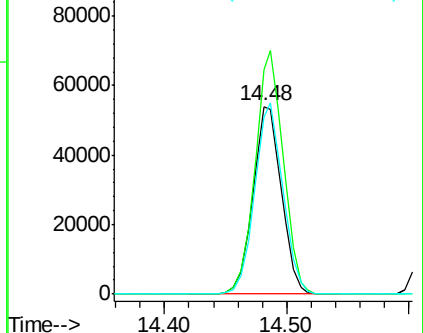
155 94.1 74.7 112.1

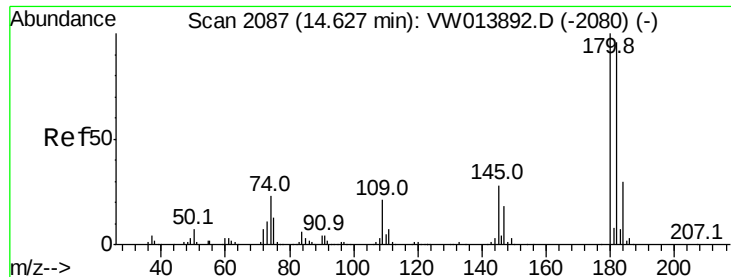


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 99.537 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

Tgt Ion:180 Resp: 974160

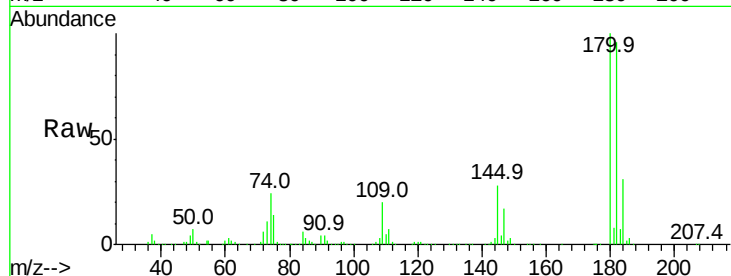
Ion Ratio Lower Upper

180 100

182 96.1 76.8 115.2

184 30.4 23.8 35.8

145 27.3 21.9 32.9

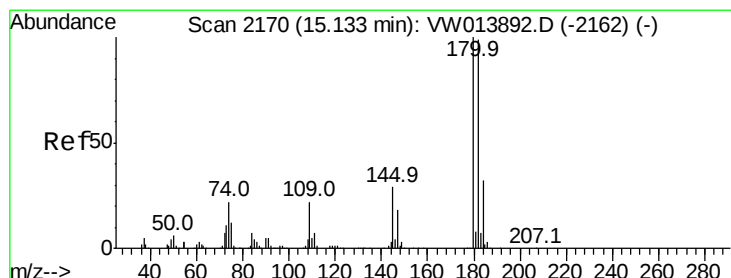
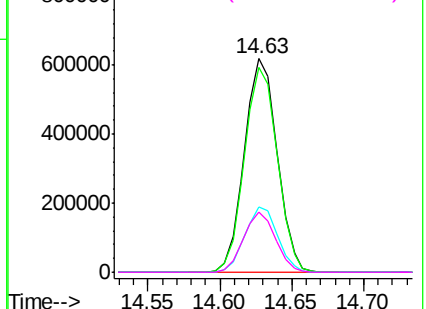
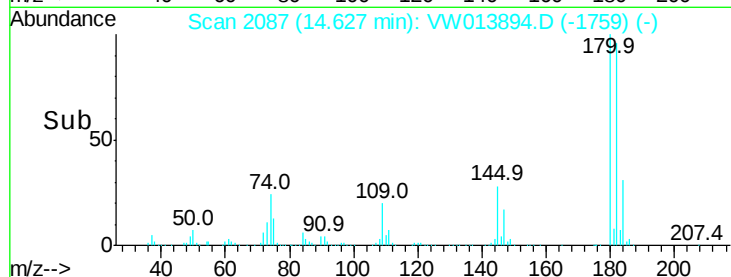


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 105.207 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

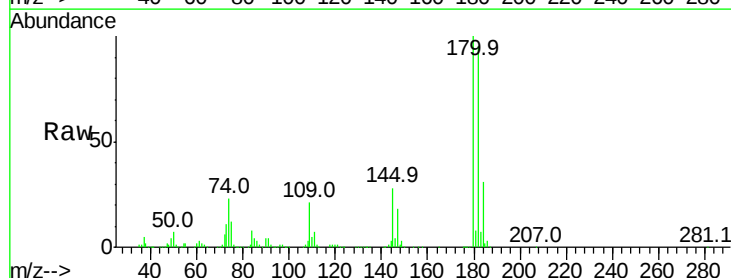
Tgt Ion:180 Resp: 825860

Ion Ratio Lower Upper

180 100

182 95.5 78.9 118.3

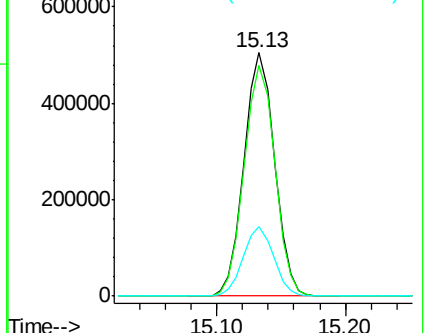
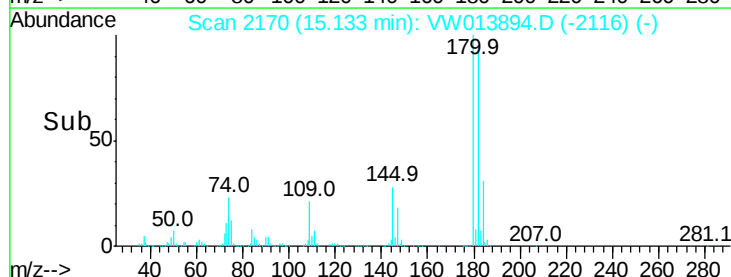
145 28.3 22.7 34.1

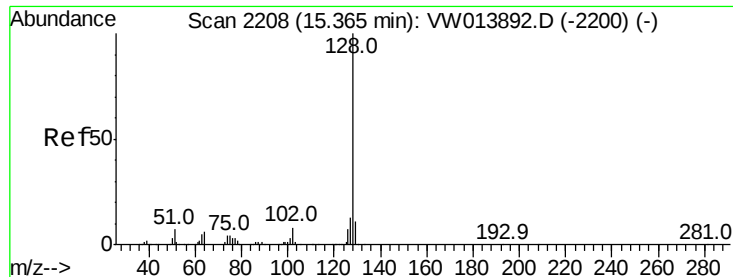


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 108.770 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

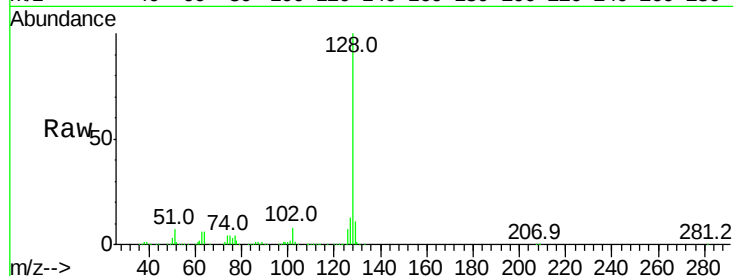
Tgt Ion:128 Resp: 1642593

Ion Ratio Lower Upper

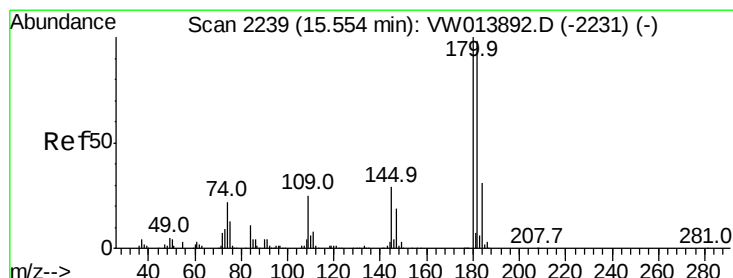
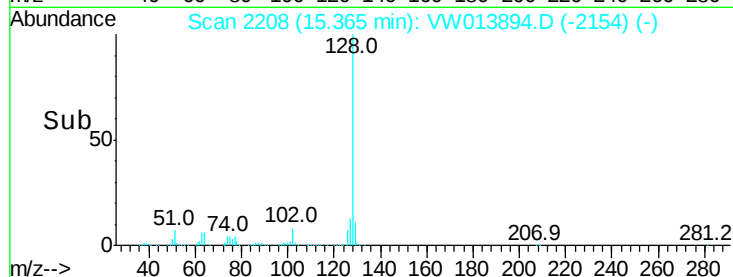
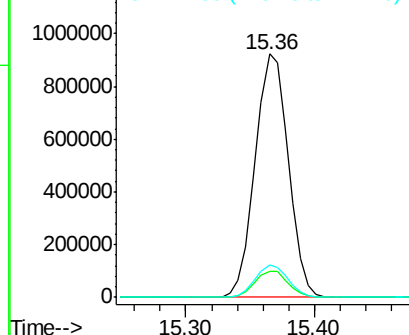
128 100

129 10.9 8.8 13.2

127 13.1 10.6 16.0



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: 103.028 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013894.D

Acq: 01 Nov 2019 12:21

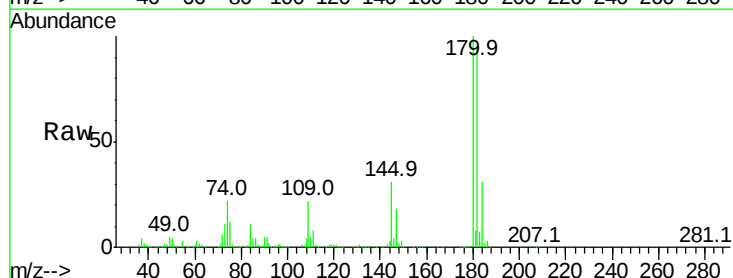
Tgt Ion:180 Resp: 747750

Ion Ratio Lower Upper

180 100

182 95.7 77.0 115.6

145 30.1 24.0 36.0



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

