

Data File : VW009974.D
Acq On : 15 Apr 2019 15:45
Operator : SY/VA
Sample : VSTD02505
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

Quant Time: Apr 15 16:08:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 15 12:19:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	640408	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	620779	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	304969	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	169977	20.28	ug/L	0.00
7) Chloroethane-d5	2.89	69	152654	19.88	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	434760	24.12	ug/L	0.00
20) 2-Butanone-d5	7.08	46	172866	63.53	ug/L	0.00
24) Chloroform-d	7.65	84	464548	26.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	288325	26.88	ug/L	0.00
29) Benzene-d6	8.27	84	874806	26.84	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	272640	27.09	ug/L	0.00
37) Toluene-d8	10.32	98	812245	26.96	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	133722	27.86	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	136735	72.07	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	261981	28.00	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	286043	26.73	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	236790	28.069	ug/L	87
3) Chloromethane	2.22	50	210117	24.101	ug/L	99
5) Vinyl chloride	2.37	62	214590	19.190	ug/L	96
6) Bromomethane	2.78	94	144360	18.656	ug/L	98
8) Chloroethane	2.93	64	144364	19.669	ug/L	100
9) Trichlorofluoromethane	3.26	101	160878	23.452	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	214090	23.993	ug/L	97
12) 1,1-Dichloroethene	4.03	96	206050	24.224	ug/L	96
13) Acetone	4.12	43	144503	49.566	ug/L	97
14) Carbon disulfide	4.39	76	612724	23.175	ug/L	99
15) Methyl Acetate	4.67	43	150023	28.223	ug/L	97
16) Methylene chloride	4.92	84	245392	21.727	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	294317	25.118	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	221676	25.059	ug/L	99
19) 1,1-Dichloroethane	6.21	63	440777	25.964	ug/L	97
21) 2-Butanone	7.17	43	210079	56.659	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	247315	26.140	ug/L	98
23) Bromochloromethane	7.51	128	113412	26.128	ug/L	97
25) Chloroform	7.67	83	451747	25.404	ug/L	100
27) 1,2-Dichloroethane	8.40	62	357389	26.573	ug/L	99
30) Cyclohexane	7.95	56	392873	26.814	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	331702	23.554	ug/L	99
32) Carbon tetrachloride	8.06	117	324650	22.994	ug/L	98
34) Benzene	8.32	78	953869	25.539	ug/L	100
35) Trichloroethene	9.09	95	244529	25.017	ug/L	99
36) Methylcyclohexane	9.34	83	412744	25.684	ug/L	98
40) 1,2-Dichloropropane	9.37	63	248436	25.985	ug/L	98
41) Bromodichloromethane	9.64	83	336931	25.540	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	397229	26.818	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	447441	60.248	ug/L	99

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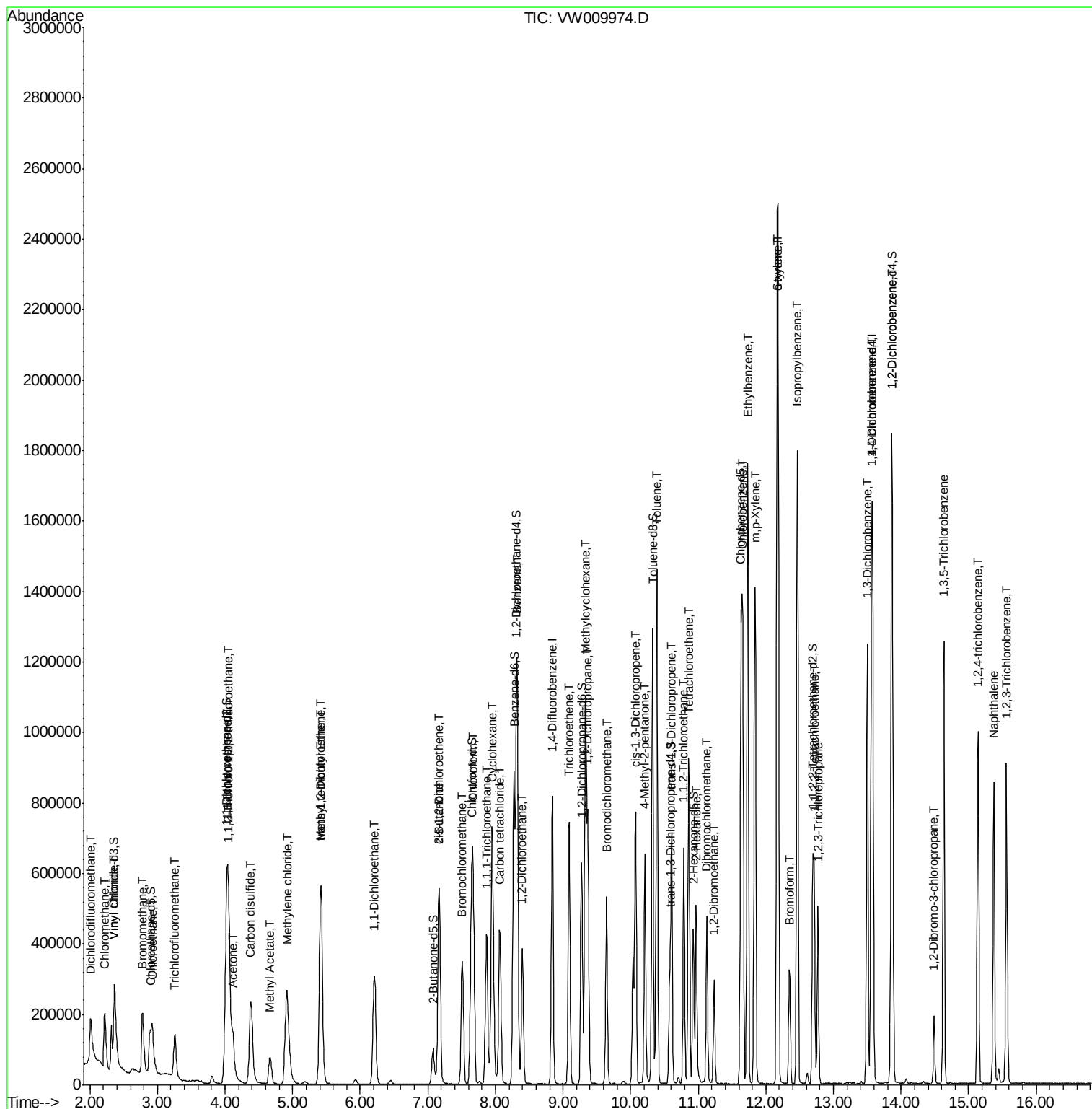
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1036929	26.208	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	352842	27.630	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	198026	27.594	ug/L	96
47) Tetrachloroethene	10.86	164	189871	24.664	ug/L	98
49) 2-Hexanone	10.97	43	323353	58.474	ug/L	99
50) Dibromochloromethane	11.13	129	234595	26.608	ug/L	99
51) 1,2-Dibromoethane	11.24	107	191078	26.566	ug/L	98
52) Chlorobenzene	11.66	112	642384	25.223	ug/L	98
53) Ethylbenzene	11.73	91	1160188	25.742	ug/L	99
54) m,p-Xylene	11.84	106	428509	25.705	ug/L	98
55) o-xylene	12.17	106	411139	25.896	ug/L	99
56) Styrene	12.18	104	726667	26.378	ug/L	100
57) Isopropylbenzene	12.46	105	1112733	25.596	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	259322	26.873	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	196603	27.369	ug/L	99
62) Bromoform	12.35	173	139998	26.109	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	469530	24.888	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	502667	24.987	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	470015	26.042	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	48286	27.484	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	348902	24.926	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	290463	25.839	ug/L	99
69) Naphthalene	15.37	128	681566	30.166	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	284846	27.087	ug/L	99

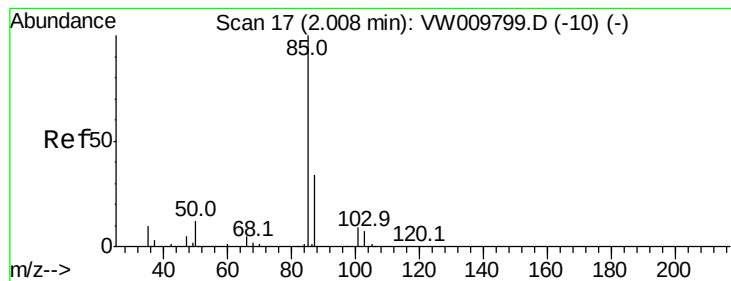
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.069 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

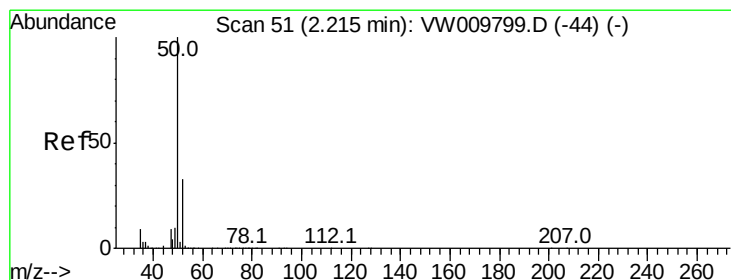
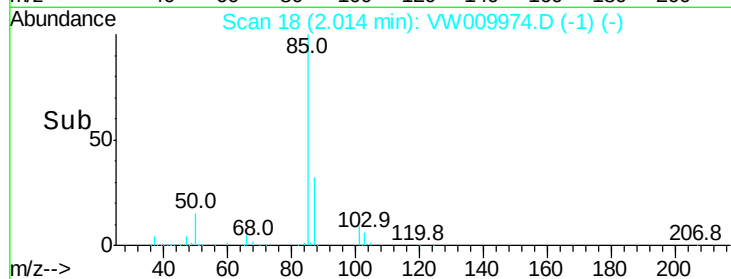
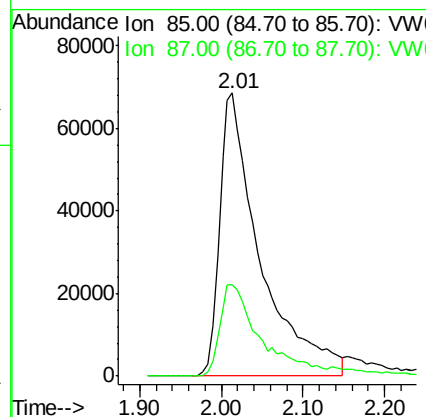
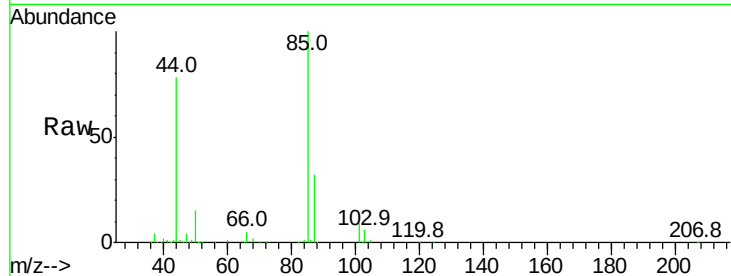
VSTD02505

Tgt Ion: 85 Resp: 236790

Ion Ratio Lower Upper

85 100

87 32.4 18.1 33.5



#3

Chloromethane

Concen: 24.101 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009974.D

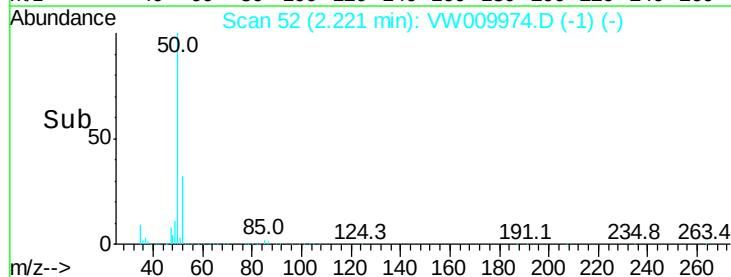
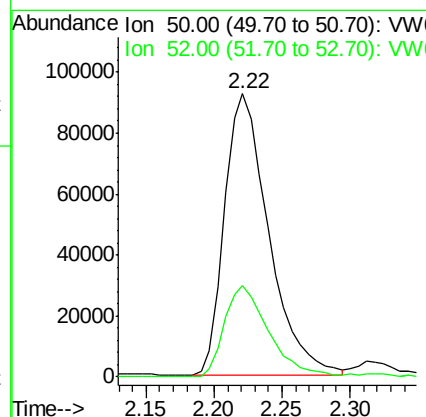
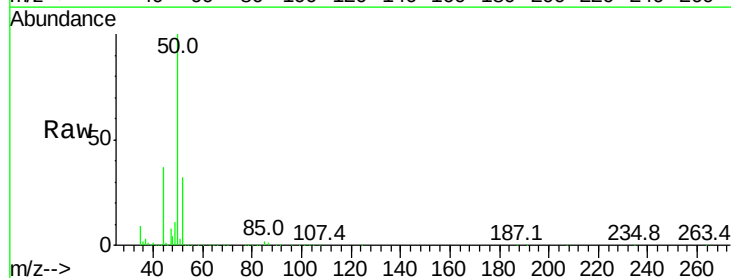
Acq: 15 Apr 2019 15:45

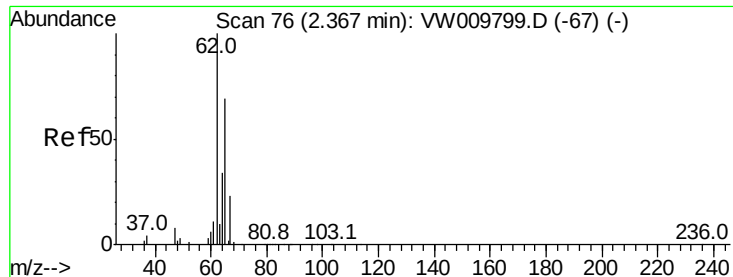
Tgt Ion: 50 Resp: 210117

Ion Ratio Lower Upper

50 100

52 32.4 22.3 41.3





#5

Vinyl chloride

Concen: 19.190 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

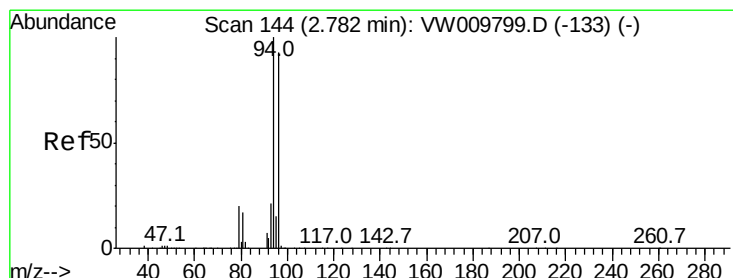
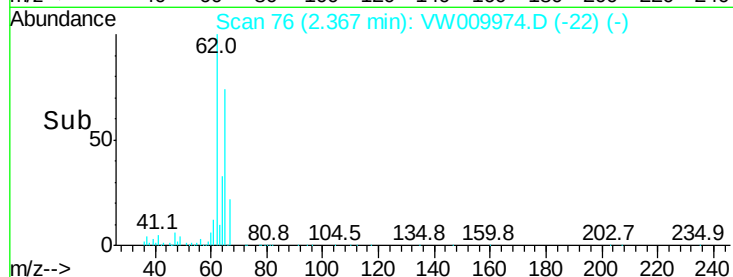
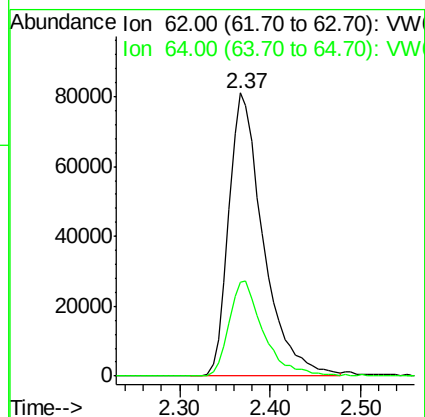
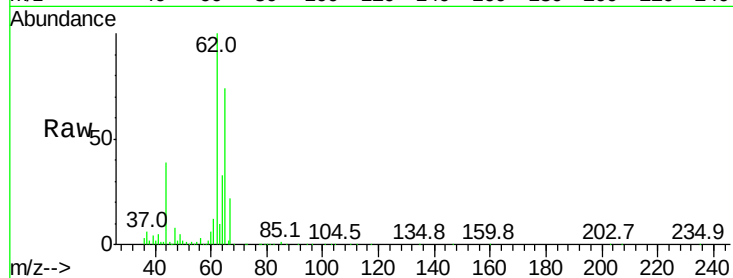
VSTD02505

Tgt Ion: 62 Resp: 214590

Ion Ratio Lower Upper

62 100

64 33.3 21.8 40.6



#6

Bromomethane

Concen: 18.656 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009974.D

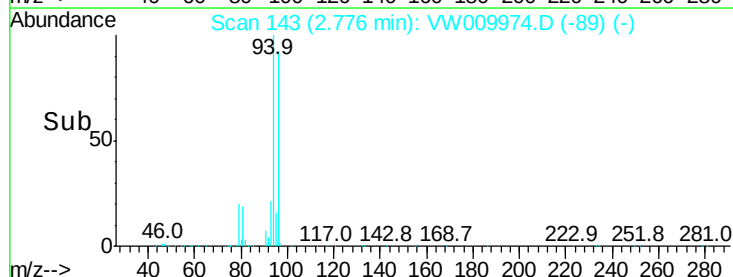
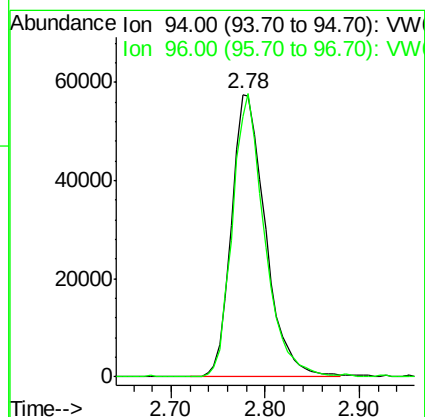
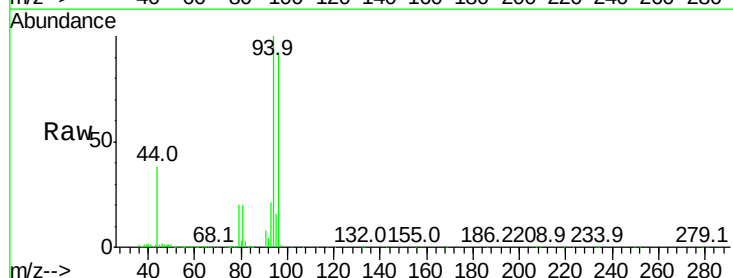
Acq: 15 Apr 2019 15:45

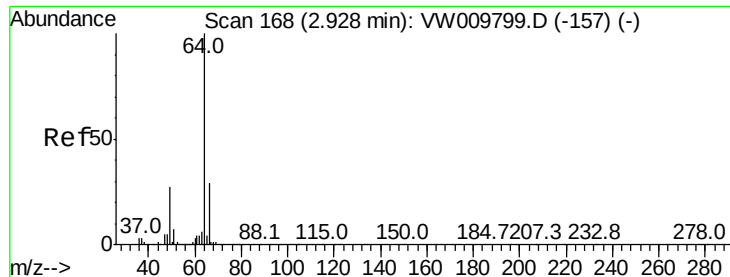
Tgt Ion: 94 Resp: 144360

Ion Ratio Lower Upper

94 100

96 94.9 9.3 177.3





#8

Chloroethane

Concen: 19.669 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

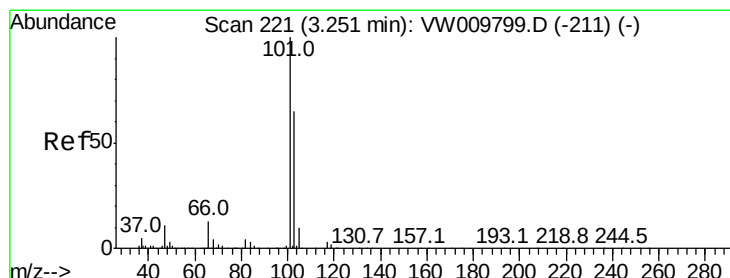
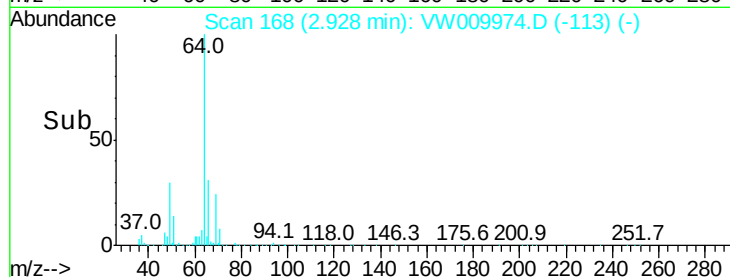
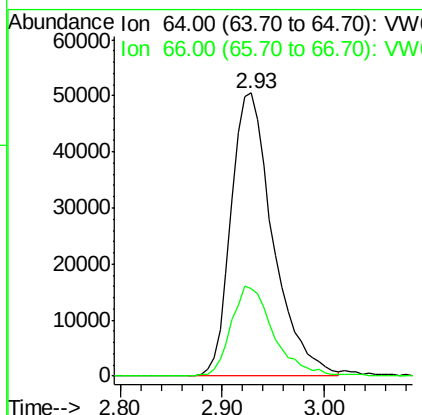
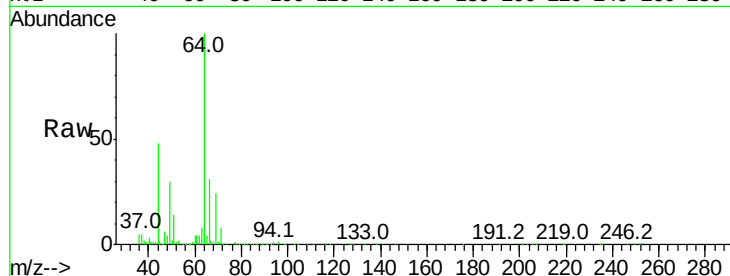
VSTD02505

Tgt Ion: 64 Resp: 144364

Ion Ratio Lower Upper

64 100

66 31.0 21.6 40.2



#9

Trichlorofluoromethane

Concen: 23.452 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW009974.D

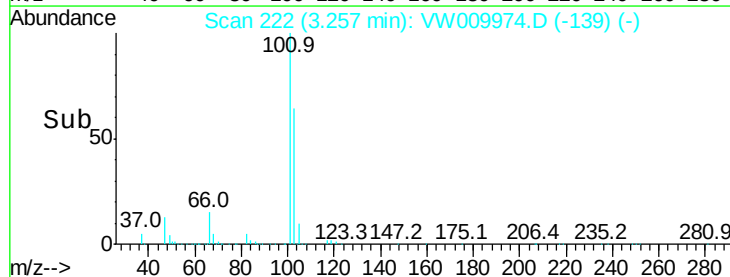
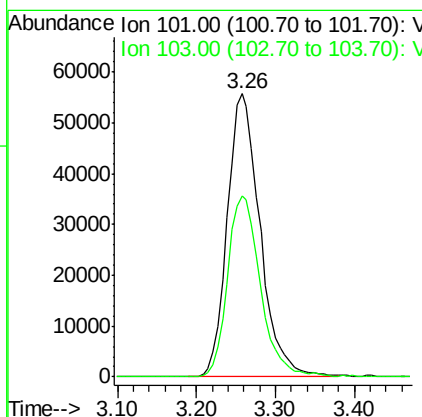
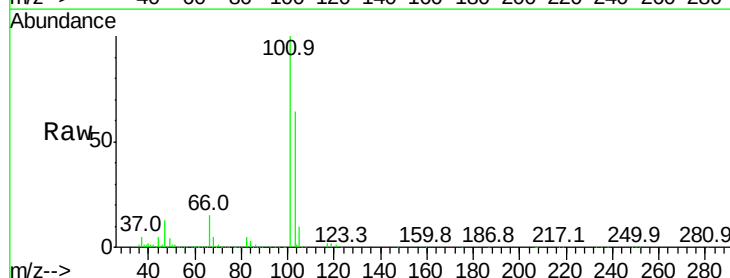
Acq: 15 Apr 2019 15:45

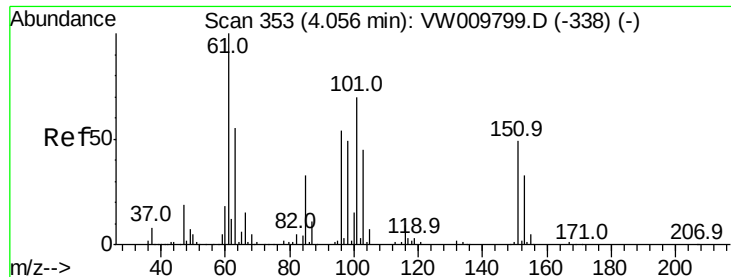
Tgt Ion: 101 Resp: 160878

Ion Ratio Lower Upper

101 100

103 63.6 45.1 83.7





#11

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

Concen: 23.993 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

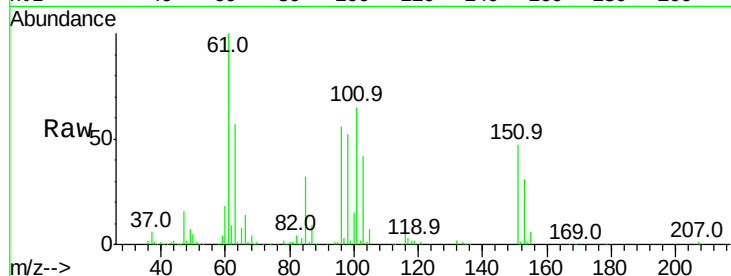
Tgt Ion: 101 Resp: 214090

Ion Ratio Lower Upper

101 100

85 46.2 37.8 56.6

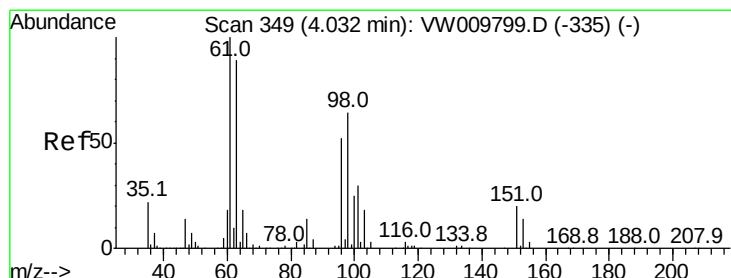
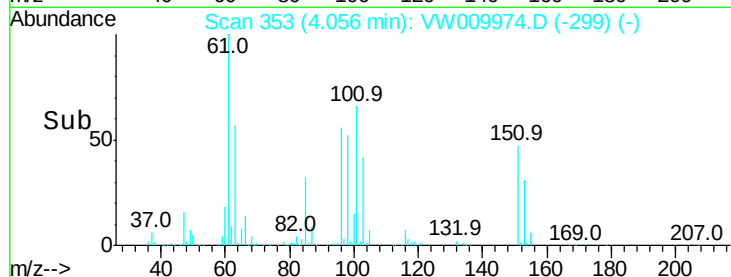
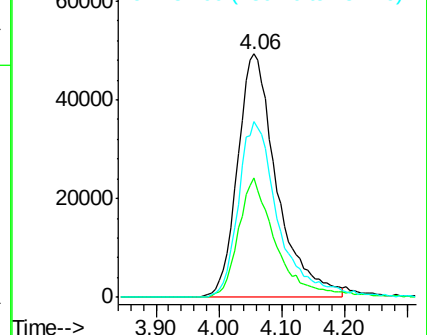
151 72.7 60.6 91.0



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: 24.224 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

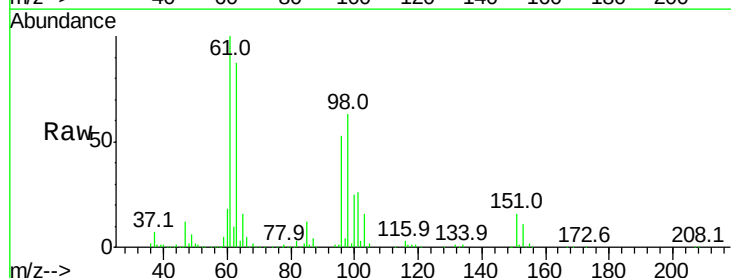
Tgt Ion: 96 Resp: 206050

Ion Ratio Lower Upper

96 100

61 187.4 138.8 257.8

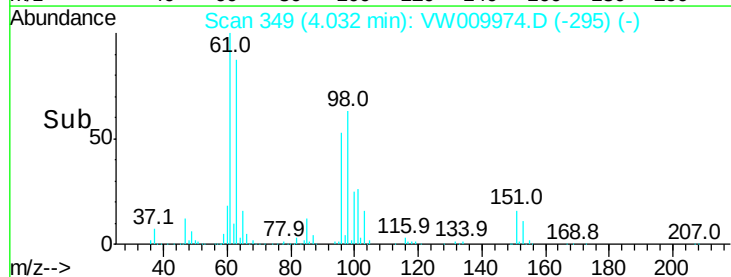
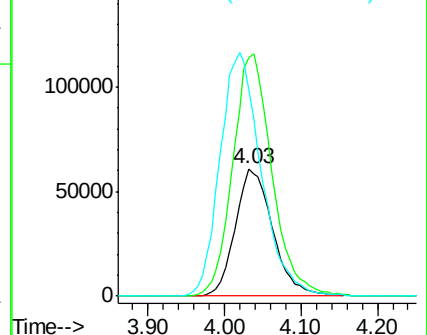
63 162.7 114.6 212.8

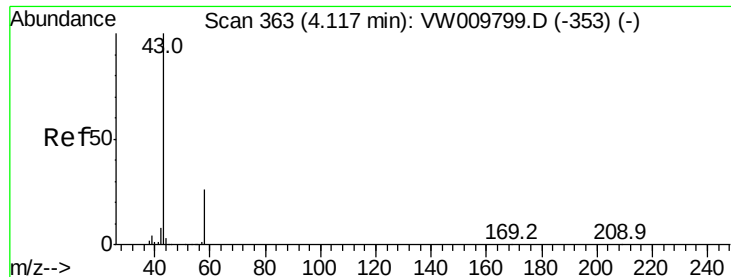


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.566 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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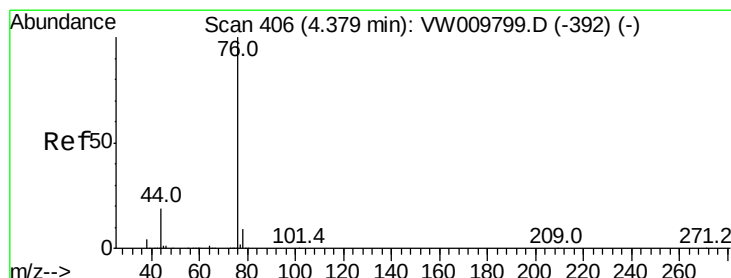
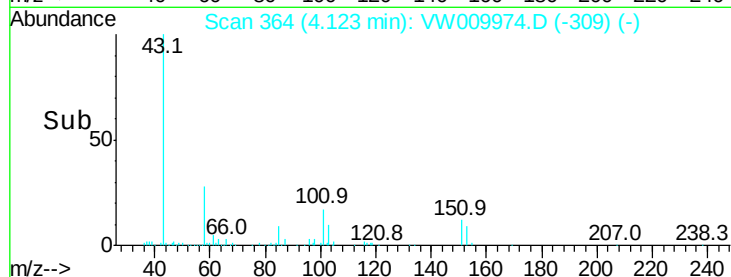
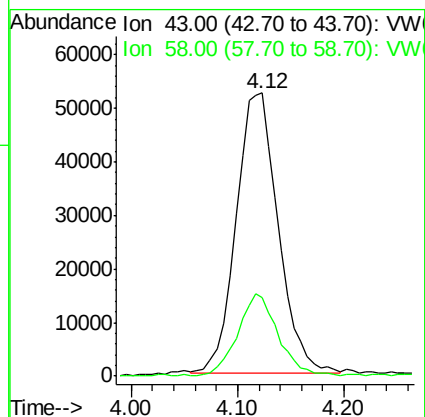
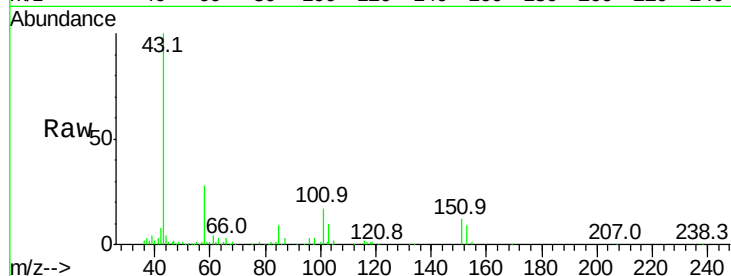
VSTD02505

Tgt Ion: 43 Resp: 144503

Ion Ratio Lower Upper

43 100

58 28.1 0.0 53.0



#14

Carbon disulfide

Concen: 23.175 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW009974.D

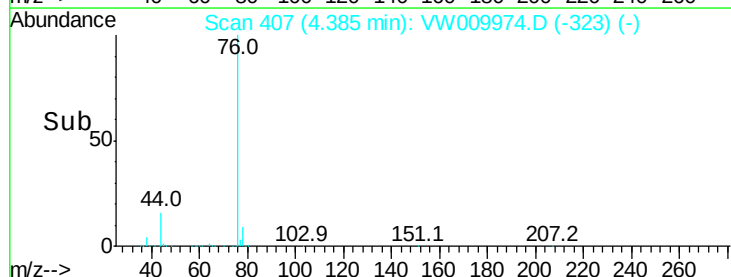
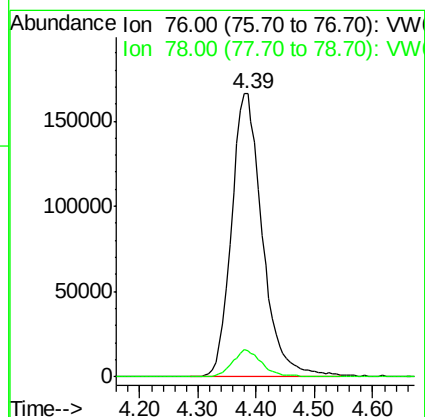
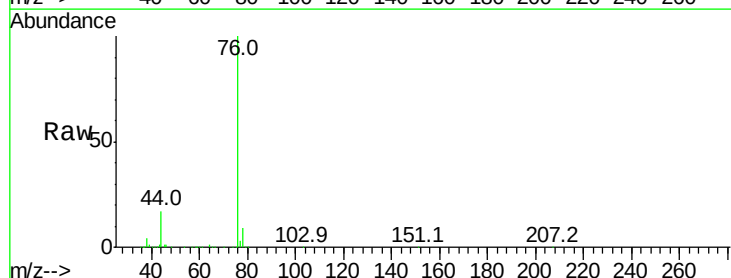
Acq: 15 Apr 2019 15:45

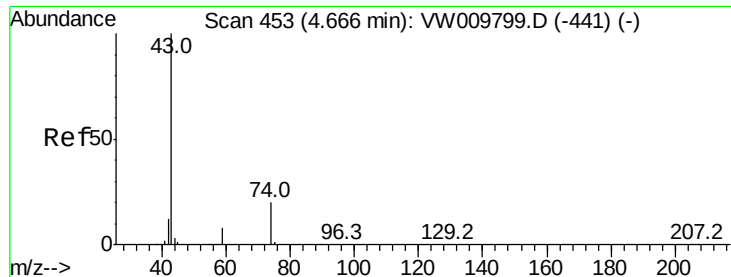
Tgt Ion: 76 Resp: 612724

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

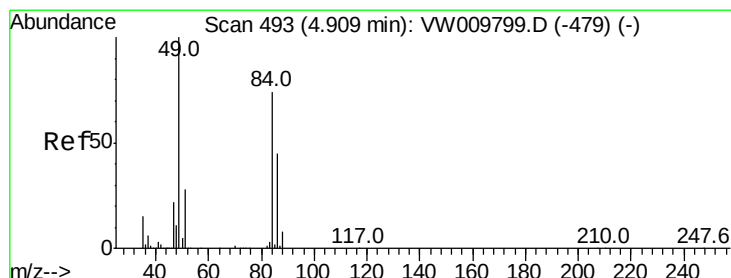
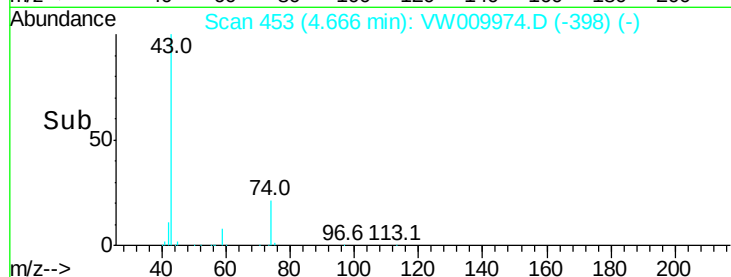
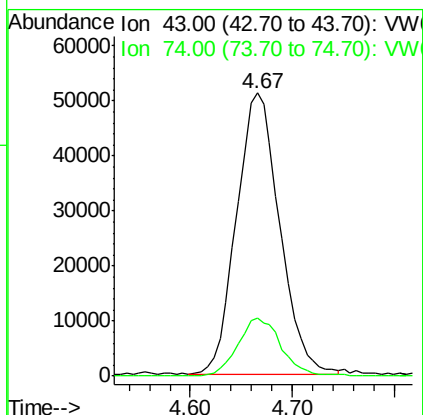
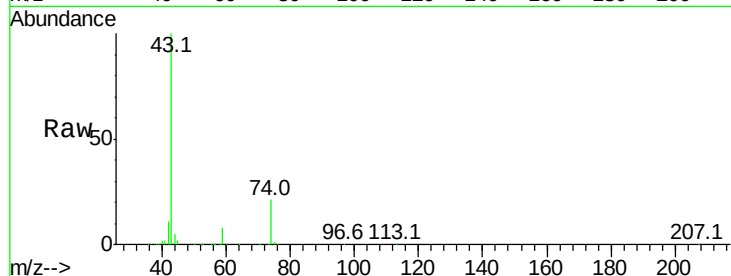




#15
Methyl Acetate
Concen: 28.223 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW009974.D
Acq: 15 Apr 2019 15:45

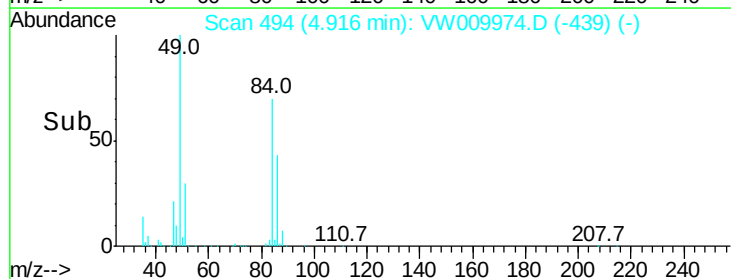
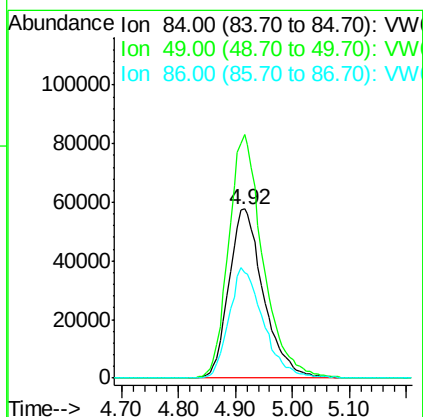
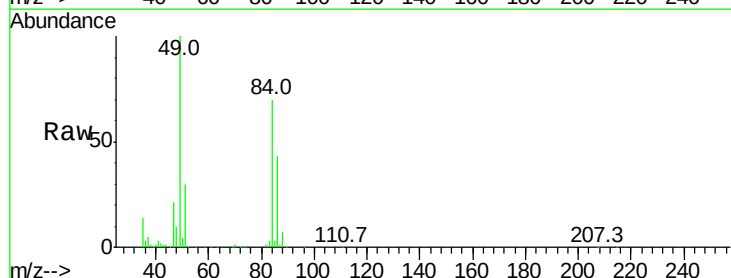
Instrument :
MSVOA_W
ClientSampled :
VSTD02505

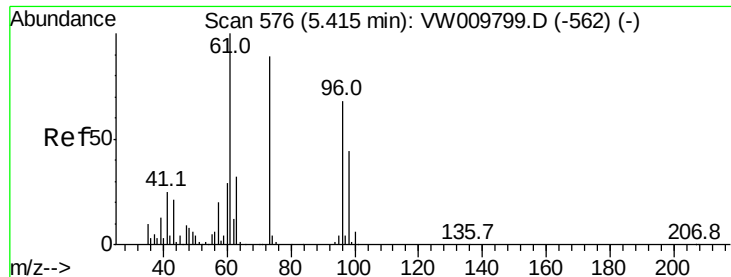
Tgt Ion: 43 Resp: 150023
Ion Ratio Lower Upper
43 100
74 20.3 17.2 25.8



#16
Methylene chloride
Concen: 21.727 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW009974.D
Acq: 15 Apr 2019 15:45

Tgt Ion: 84 Resp: 245392
Ion Ratio Lower Upper
84 100
49 143.9 98.3 182.5
86 62.5 46.4 86.2

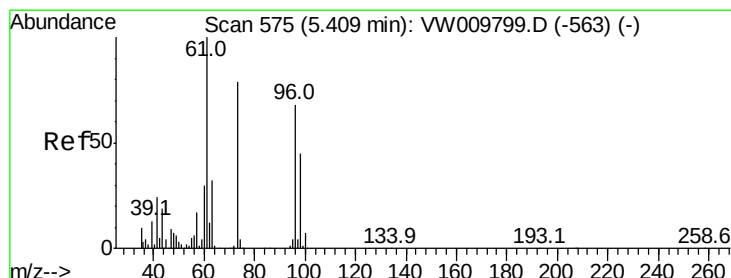
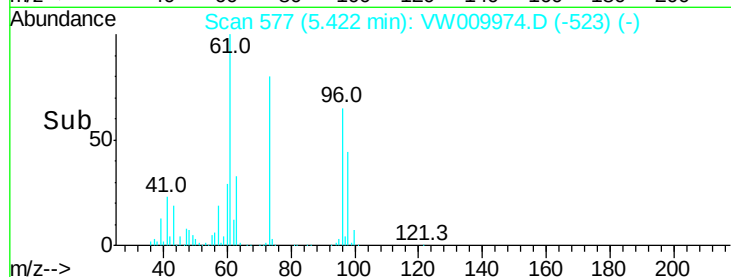
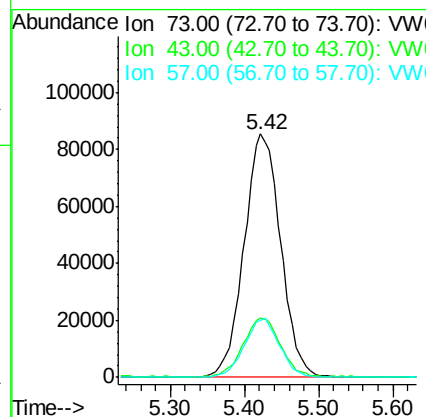
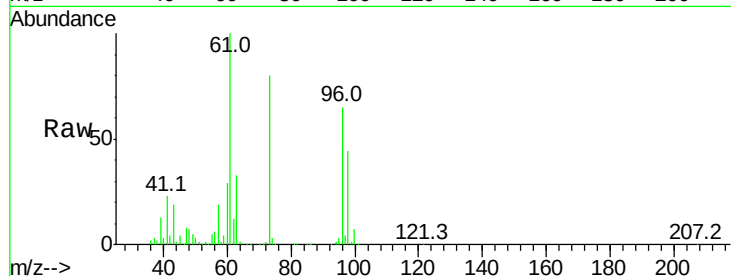




#17
Methyl tert-butyl Ether
Concen: 25.118 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009974.D
Acq: 15 Apr 2019 15:45

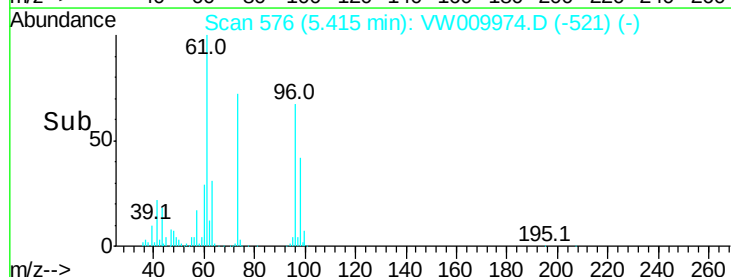
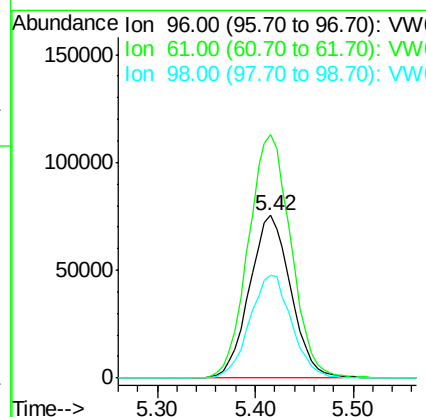
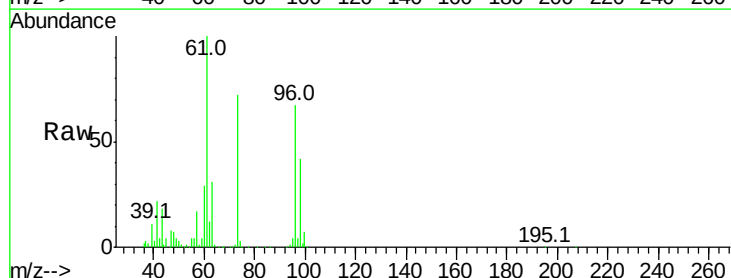
Instrument :
MSVOA_W
ClientSampled :
VSTD02505

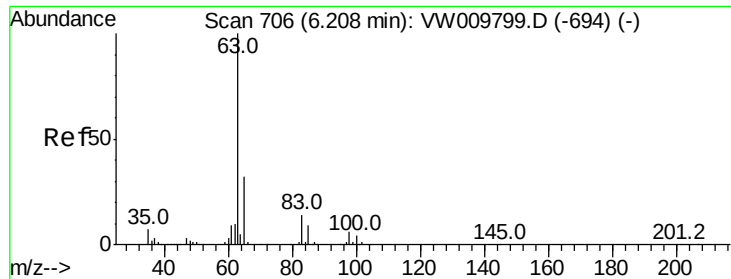
Tgt Ion: 73 Resp: 294317
Ion Ratio Lower Upper
73 100
43 24.2 20.2 30.2
57 23.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 25.059 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.01 min
Lab File: VW009974.D
Acq: 15 Apr 2019 15:45

Tgt Ion: 96 Resp: 221676
Ion Ratio Lower Upper
96 100
61 149.9 103.7 192.5
98 63.0 43.7 81.1

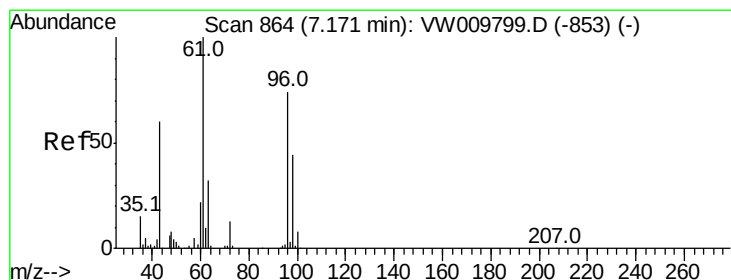
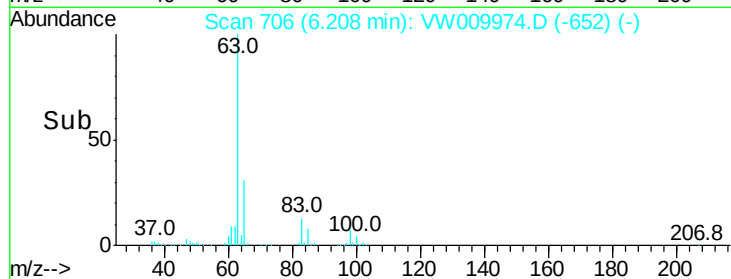
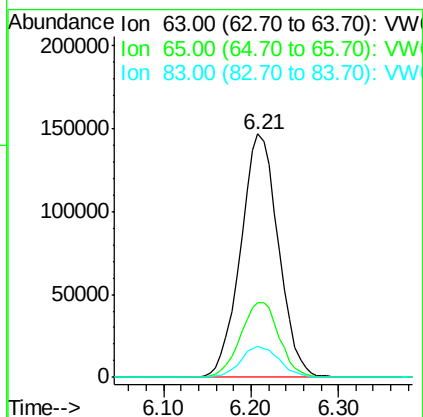
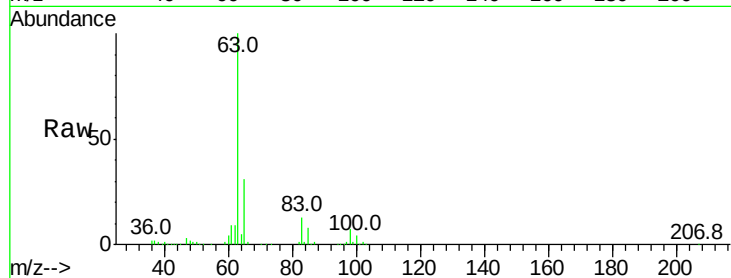




#19
 1,1-Dichloroethane
 Concen: 25.964 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009974.D
 Acq: 15 Apr 2019 15:45

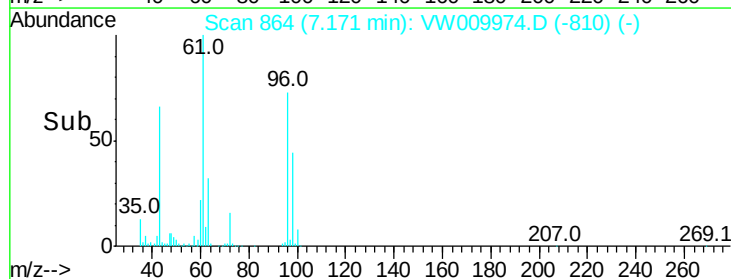
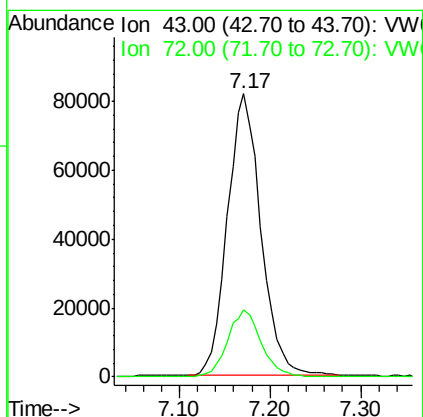
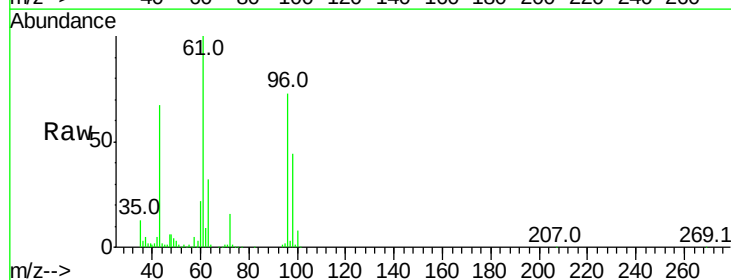
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

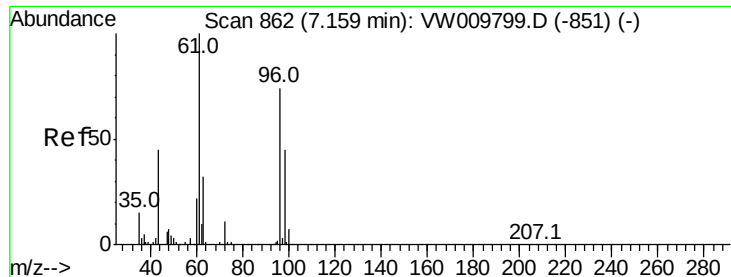
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.8	22.6	42.0
83	12.8	9.8	18.2



#21
 2-Butanone
 Concen: 56.659 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW009974.D
 Acq: 15 Apr 2019 15:45

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.8	12.0	36.1





#22

cis-1,2-Dichloroethene

Concen: 26.140 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

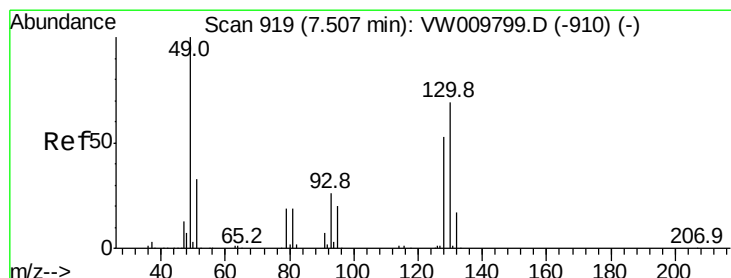
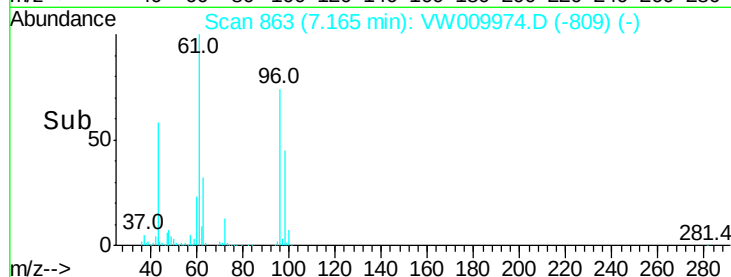
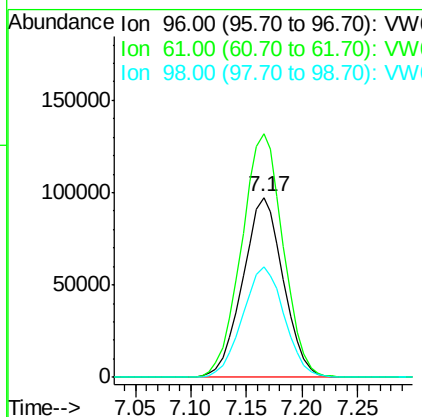
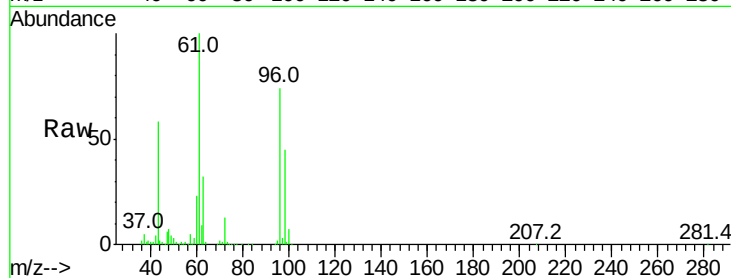
Tgt Ion: 96 Resp: 247315

Ion Ratio Lower Upper

96 100

61 135.3 96.8 179.8

98 61.2 43.5 80.9



#23

Bromochloromethane

Concen: 26.128 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Tgt Ion: 128 Resp: 113412

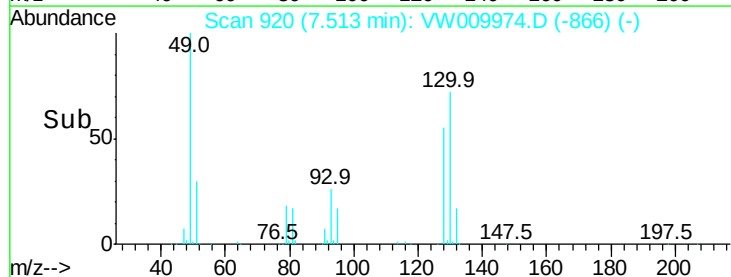
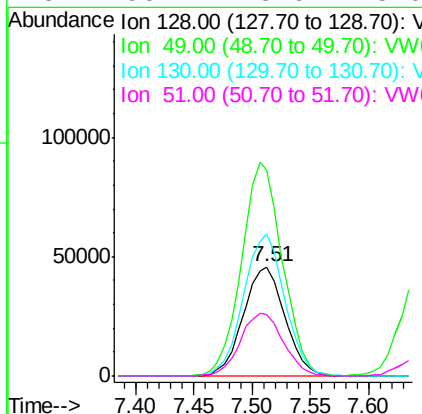
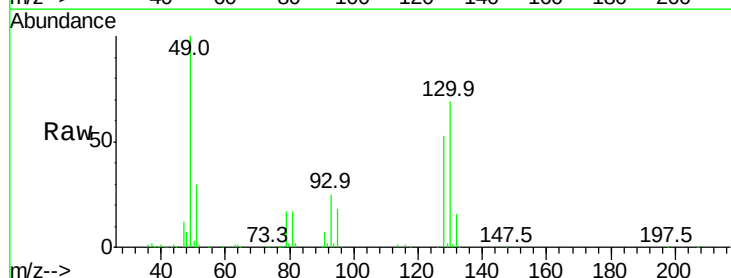
Ion Ratio Lower Upper

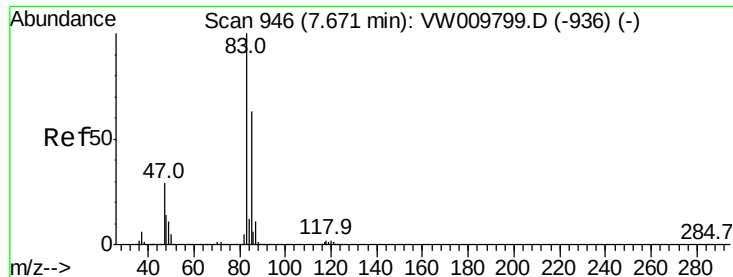
128 100

49 188.8 132.6 246.2

130 130.7 95.5 177.4

51 56.7 48.6 73.0





#25

Chloroform

Concen: 25.404 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

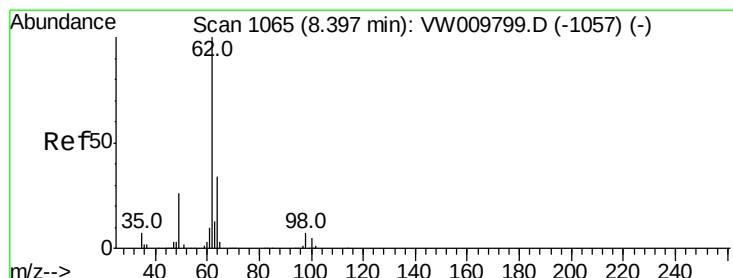
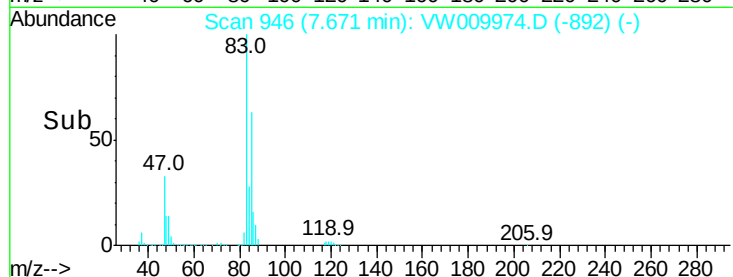
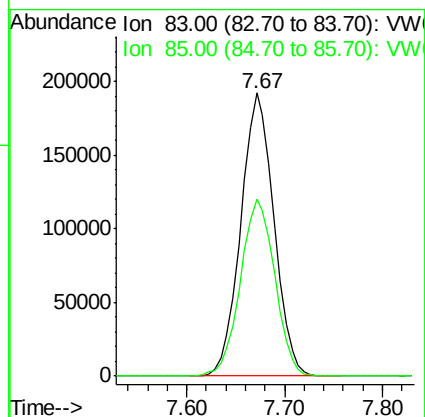
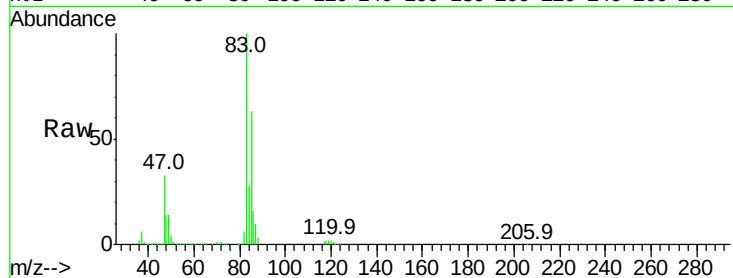
VSTD02505

Tgt Ion: 83 Resp: 451747

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 26.573 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009974.D

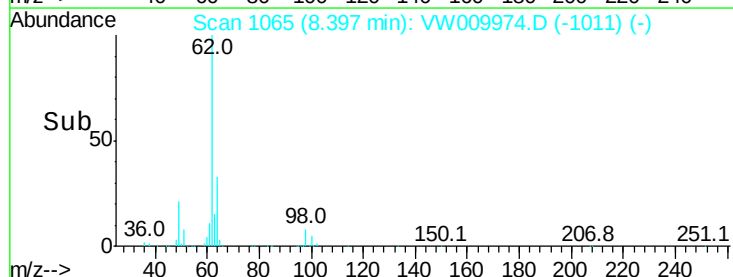
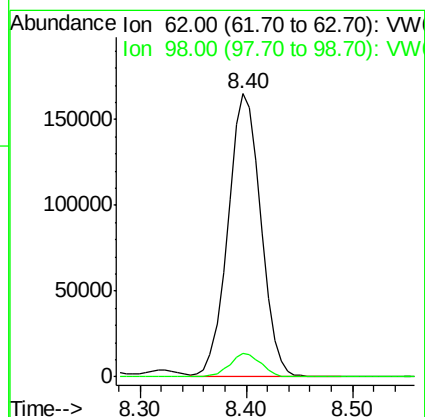
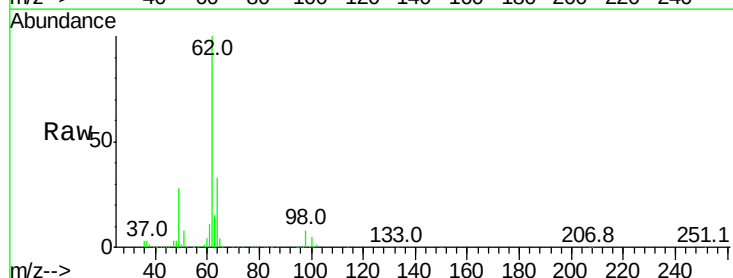
Acq: 15 Apr 2019 15:45

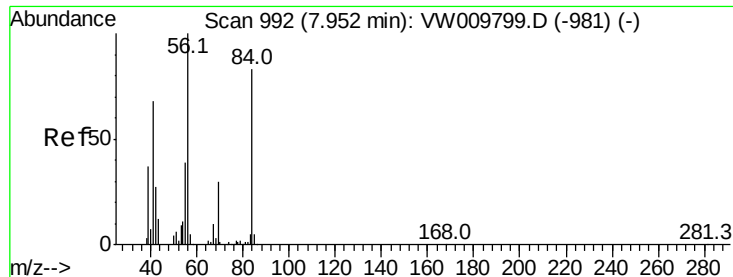
Tgt Ion: 62 Resp: 357389

Ion Ratio Lower Upper

62 100

98 8.3 7.0 10.4





#30

Cyclohexane

Concen: 26.814 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

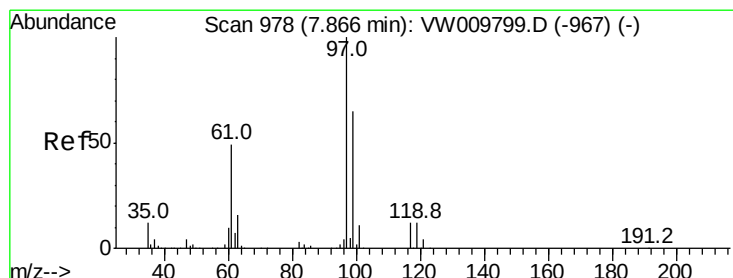
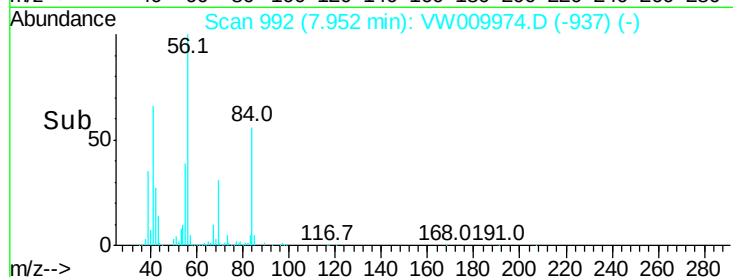
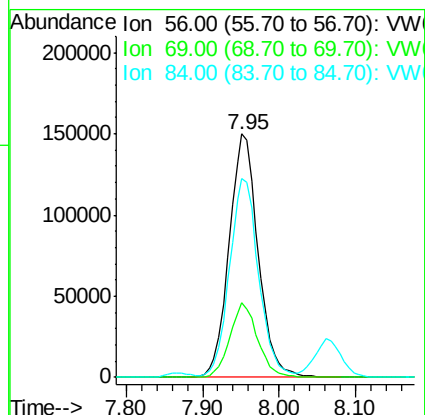
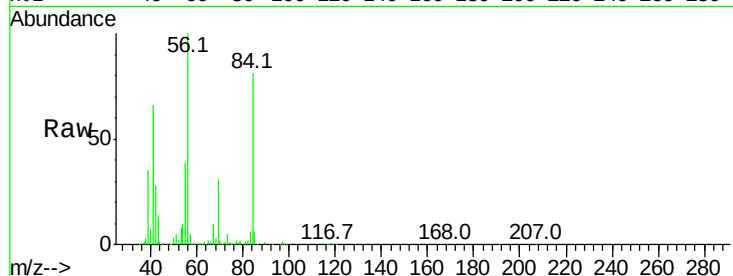
Tgt Ion: 56 Resp: 392873

Ion Ratio Lower Upper

56 100

69 29.2 23.4 35.2

84 81.9 67.7 101.5



#31

1,1,1-Trichloroethane

Concen: 23.554 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

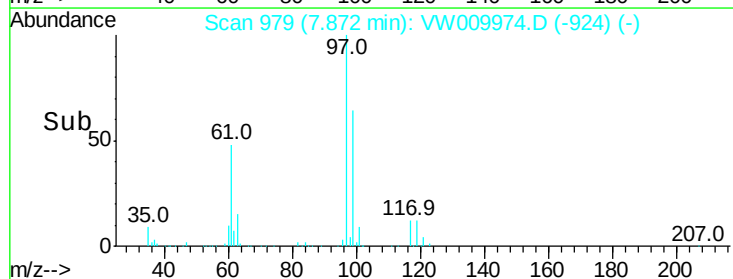
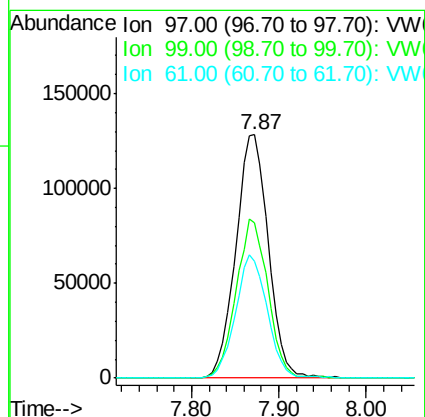
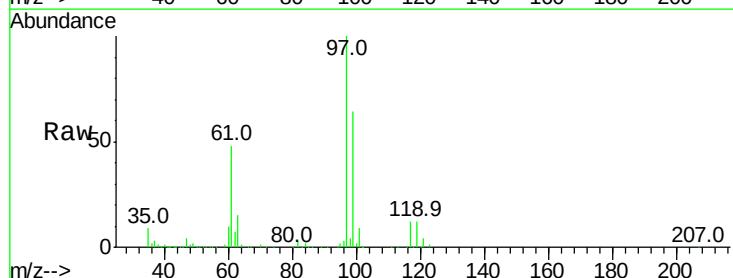
Tgt Ion: 97 Resp: 331702

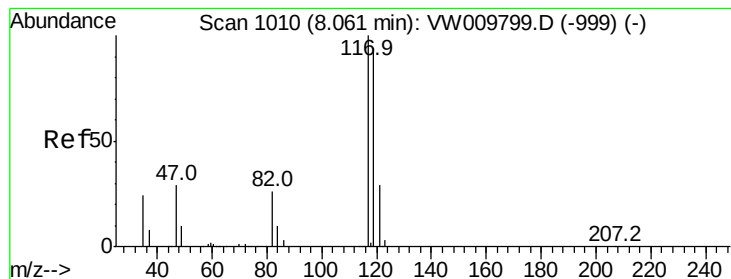
Ion Ratio Lower Upper

97 100

99 63.5 50.8 76.2

61 49.1 38.6 57.8





#32

Carbon tetrachloride

Concen: 22.994 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

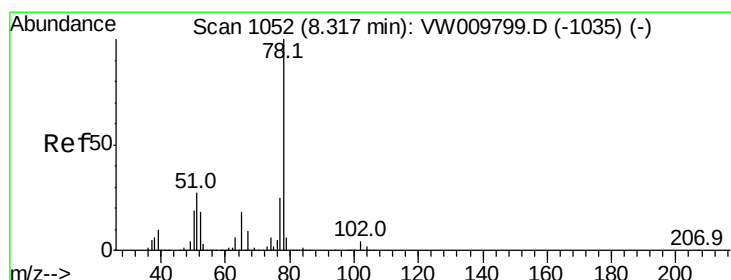
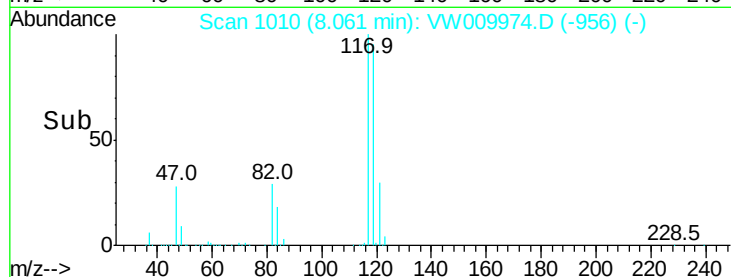
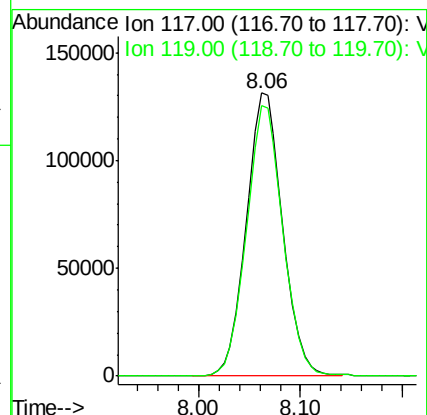
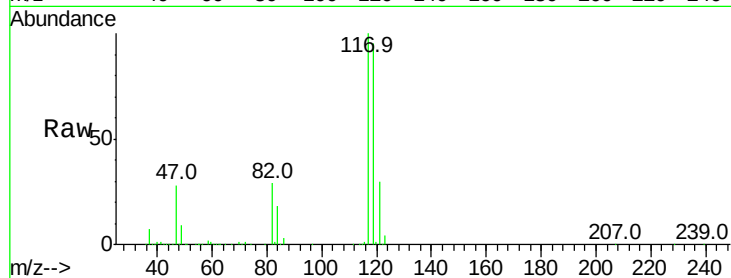
VSTD02505

Tgt Ion:117 Resp: 324650

Ion Ratio Lower Upper

117 100

119 96.0 75.4 113.2



#34

Benzene

Concen: 25.539 ug/L

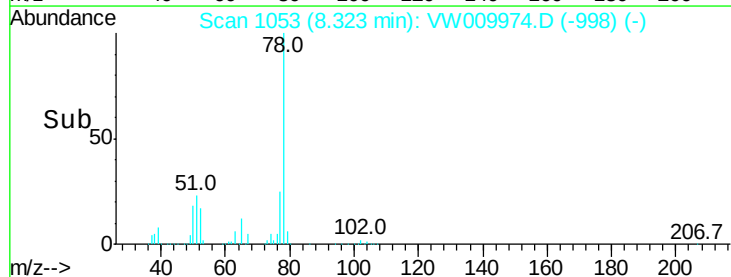
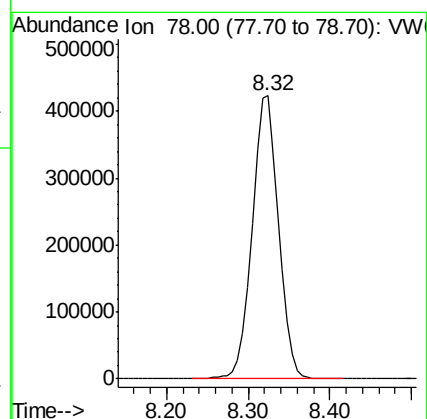
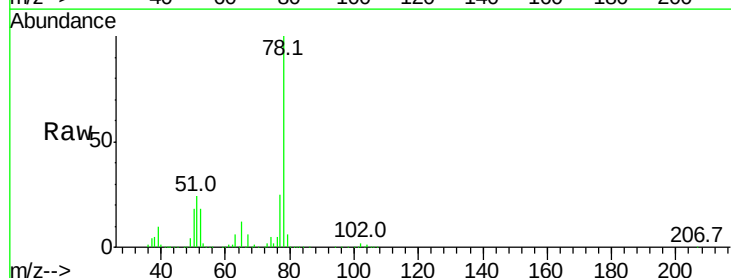
RT: 8.32 min Scan# 1053

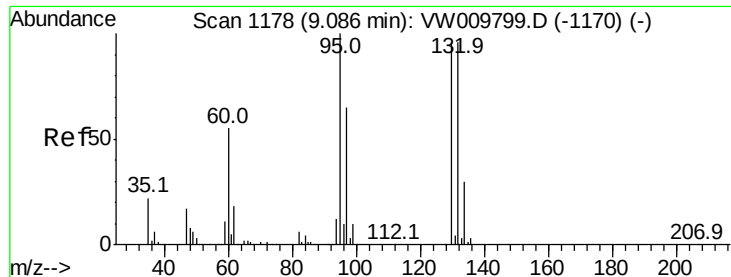
Delta R.T. 0.01 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Tgt Ion: 78 Resp: 953869





#35

Trichloroethene

Concen: 25.017 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion: 95 Resp: 244529

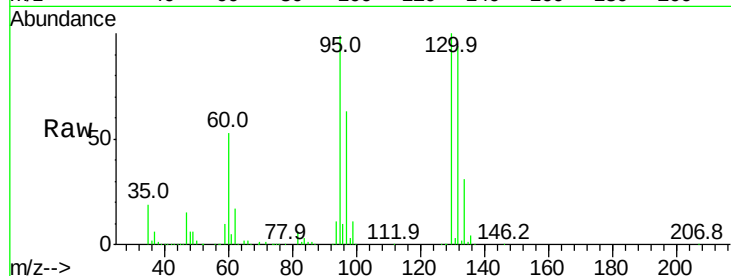
Ion Ratio Lower Upper

95 100

97 64.7 44.9 83.5

132 93.7 67.1 124.7

130 97.9 69.2 128.6

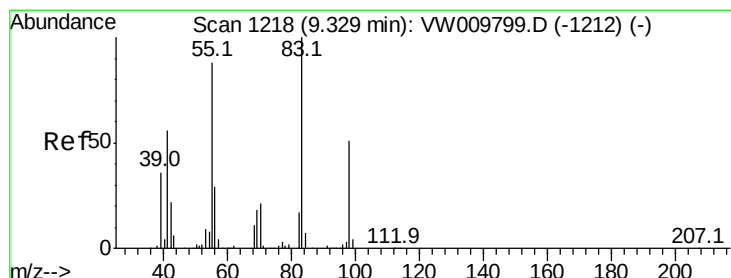
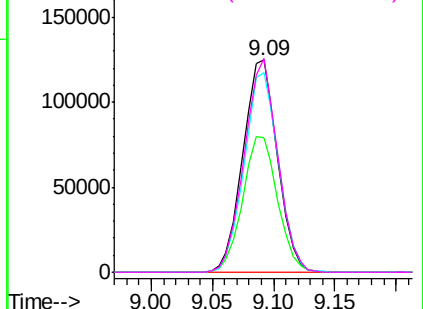
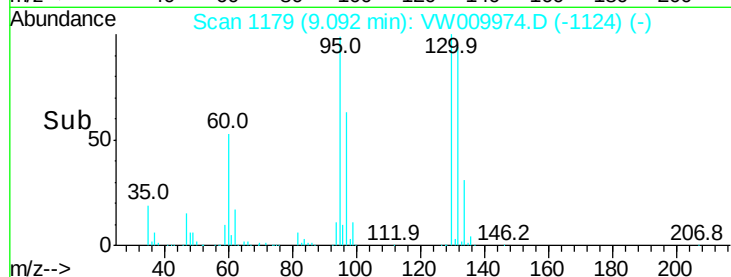


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.684 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

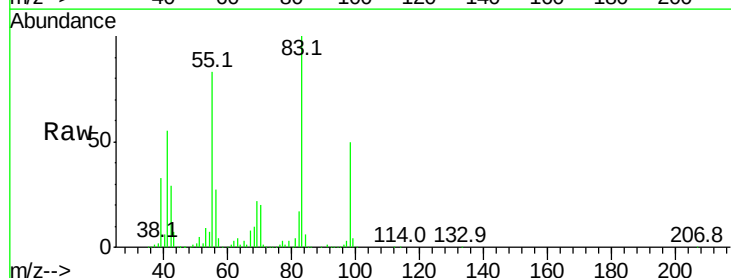
Tgt Ion: 83 Resp: 412744

Ion Ratio Lower Upper

83 100

55 85.5 66.3 99.5

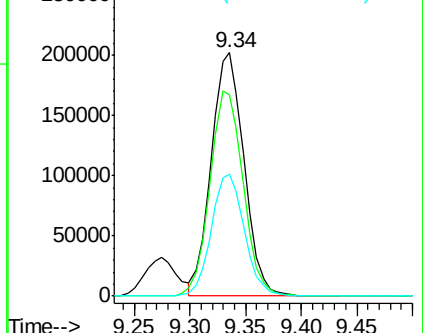
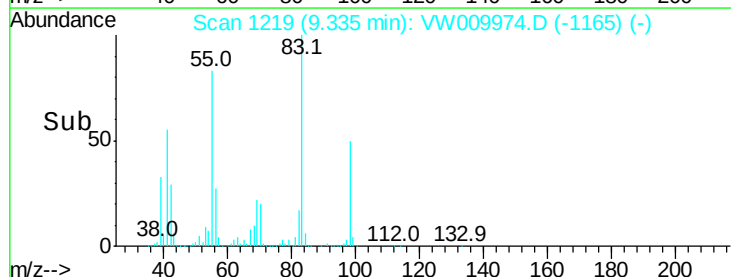
98 50.0 39.4 59.0

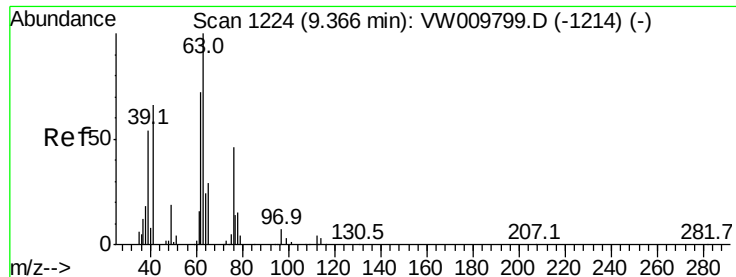


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.985 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampled :

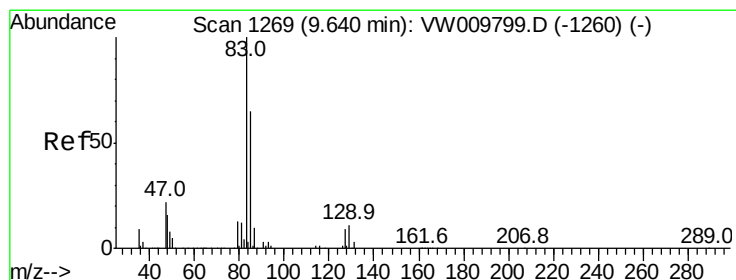
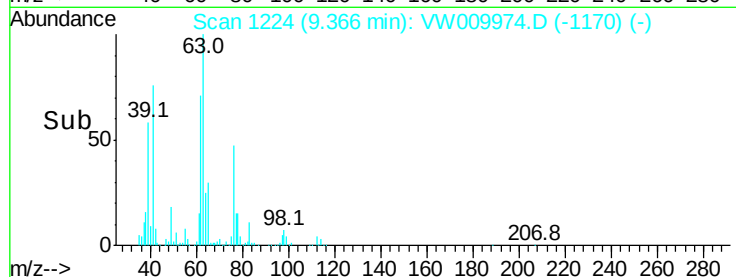
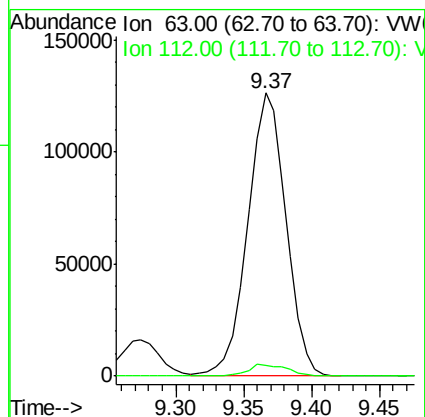
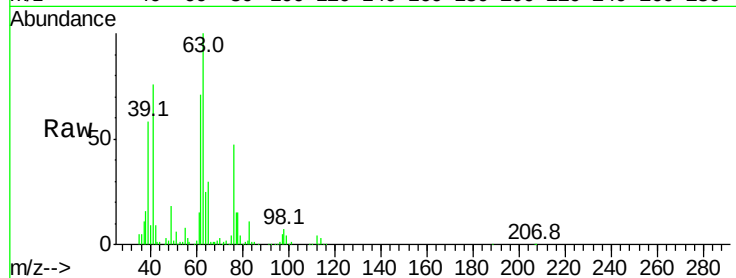
VSTD02505

Tgt Ion: 63 Resp: 248436

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.8



#41

Bromodichloromethane

Concen: 25.540 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

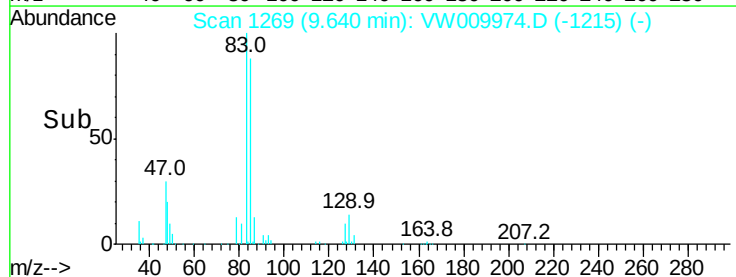
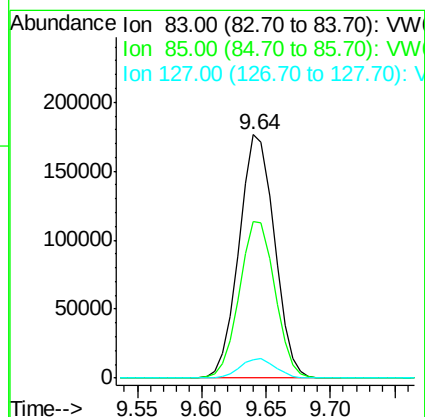
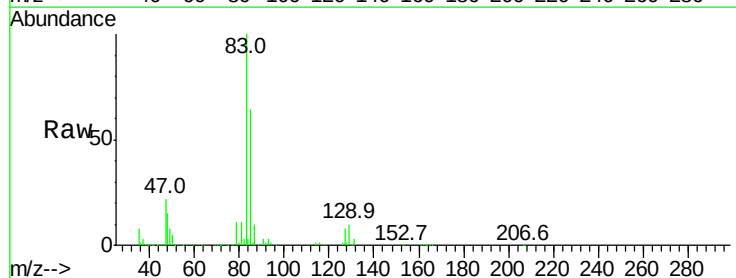
Tgt Ion: 83 Resp: 336931

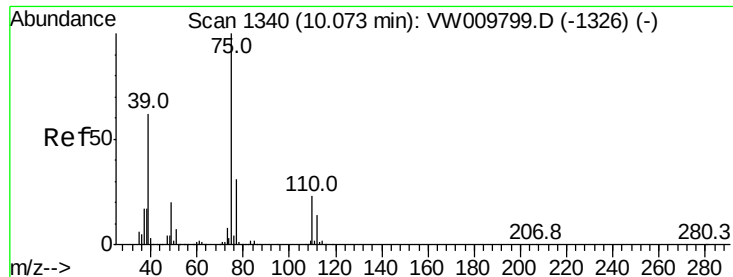
Ion Ratio Lower Upper

83 100

85 64.5 45.0 83.6

127 7.6 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 26.818 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

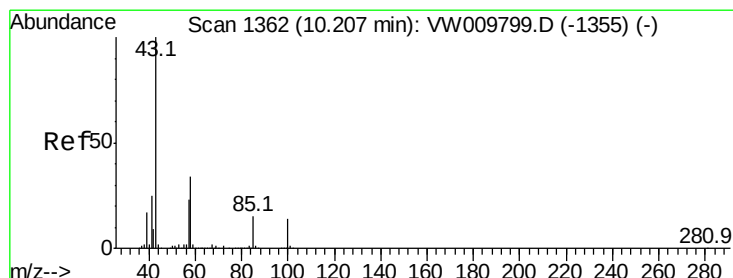
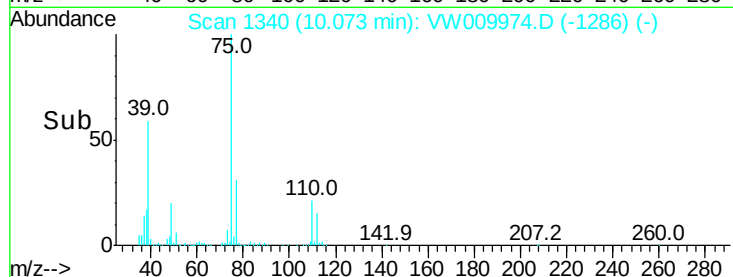
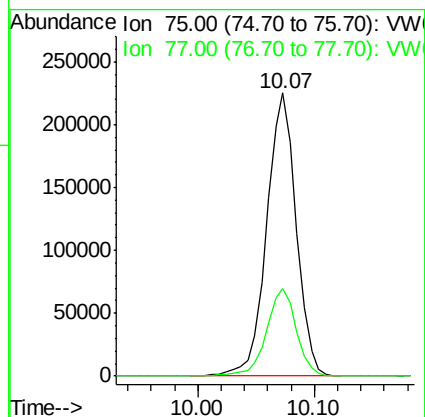
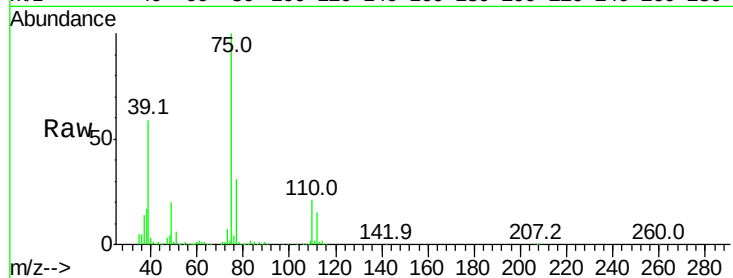
VSTD02505

Tgt Ion: 75 Resp: 397229

Ion Ratio Lower Upper

75 100

77 31.1 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 60.248 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

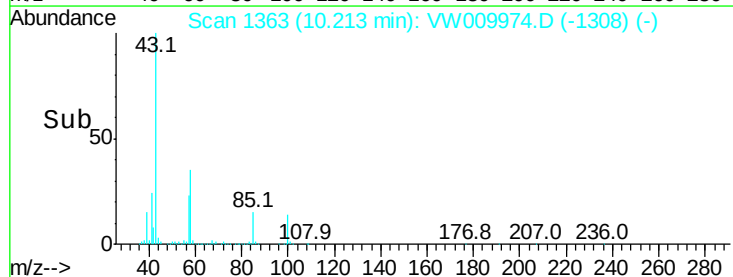
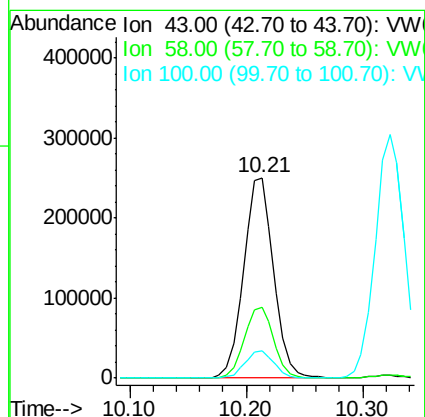
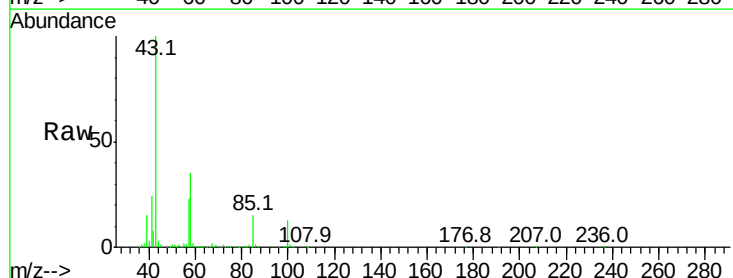
Tgt Ion: 43 Resp: 447441

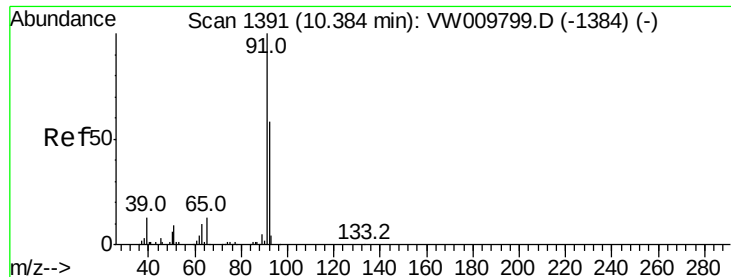
Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.4

100 13.1 10.9 16.3





#44

Toluene

Concen: 26.208 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

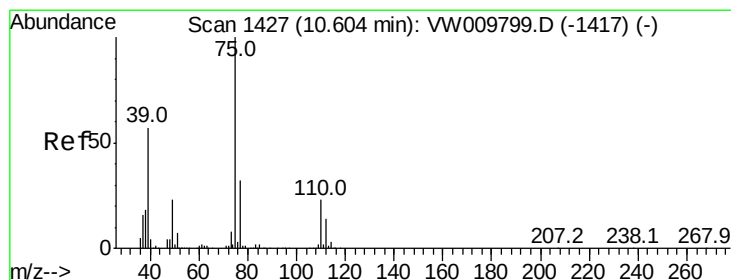
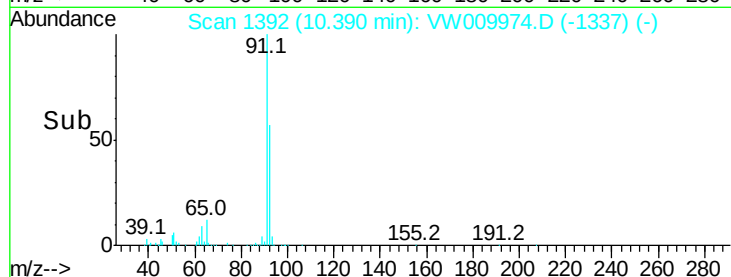
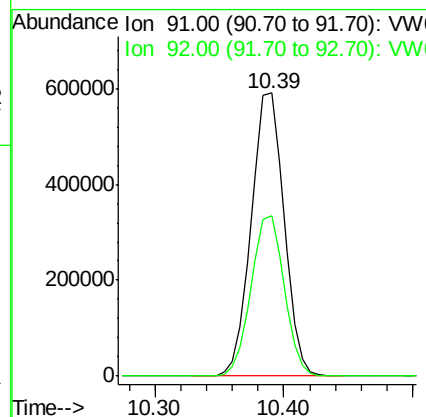
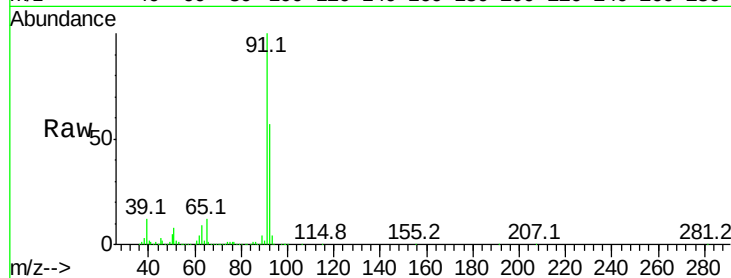
VSTD02505

Tgt Ion: 91 Resp: 1036929

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 27.630 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009974.D

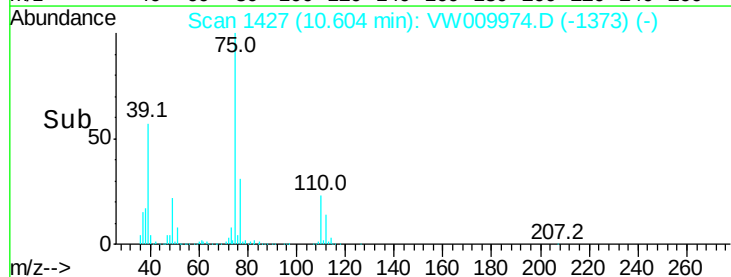
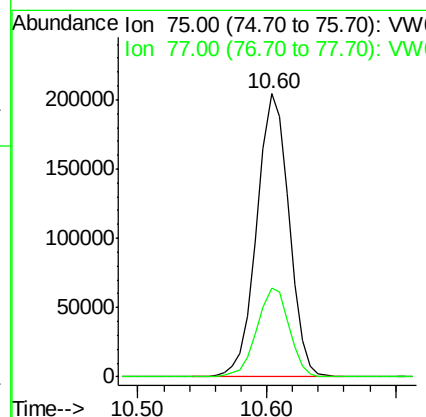
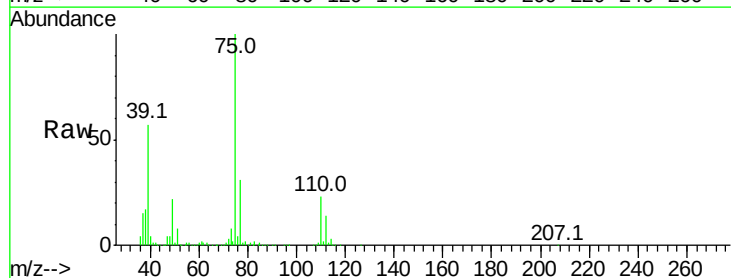
Acq: 15 Apr 2019 15:45

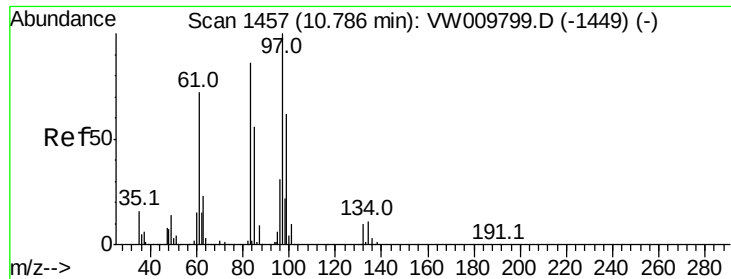
Tgt Ion: 75 Resp: 352842

Ion Ratio Lower Upper

75 100

77 31.5 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 27.594 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion: 97 Resp: 198026

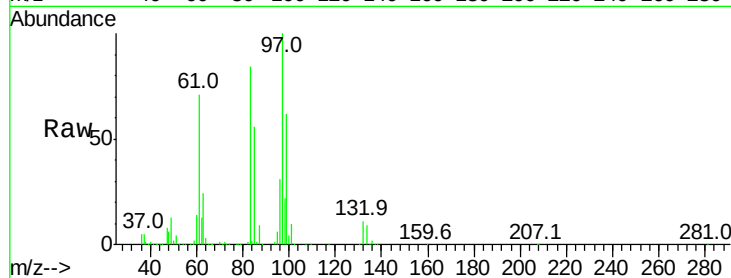
Ion Ratio Lower Upper

97 100

83 84.4 57.3 106.3

85 56.2 38.1 70.7

99 62.3 40.9 75.9

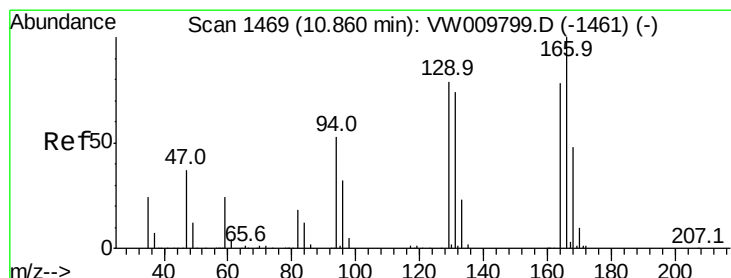
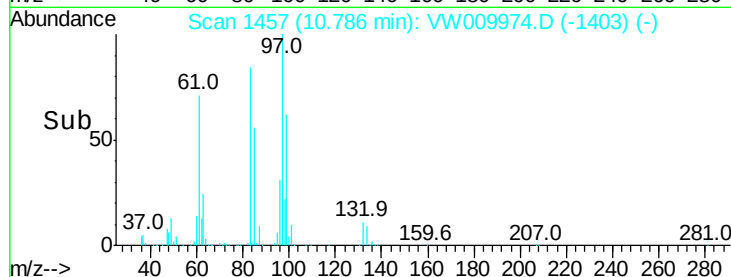
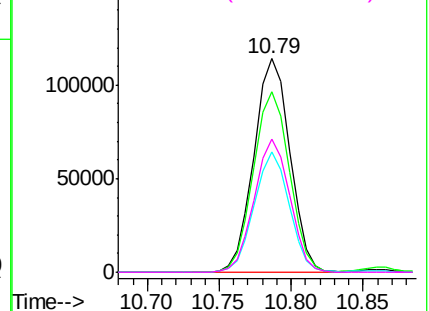


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.664 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Tgt Ion: 164 Resp: 189871

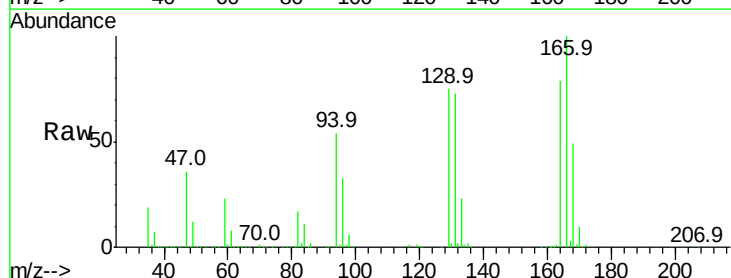
Ion Ratio Lower Upper

164 100

129 95.5 68.9 127.9

131 93.1 63.1 117.1

166 127.1 88.5 164.4

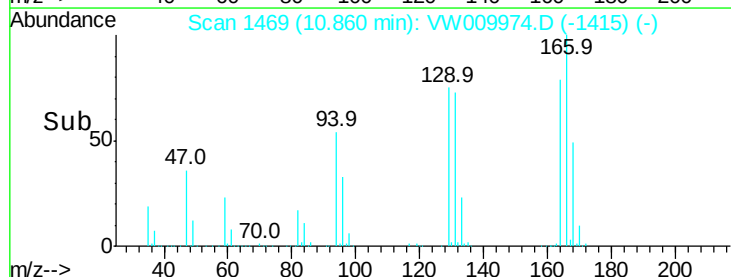
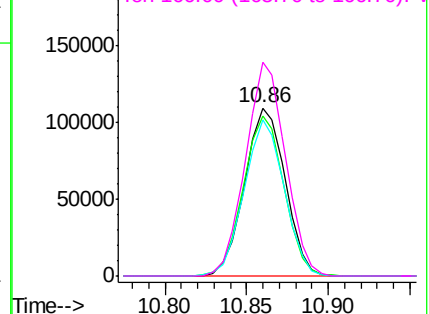


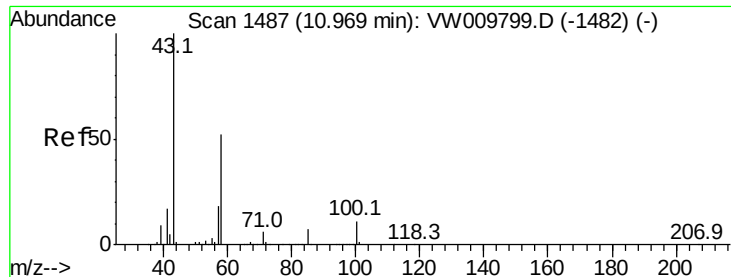
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

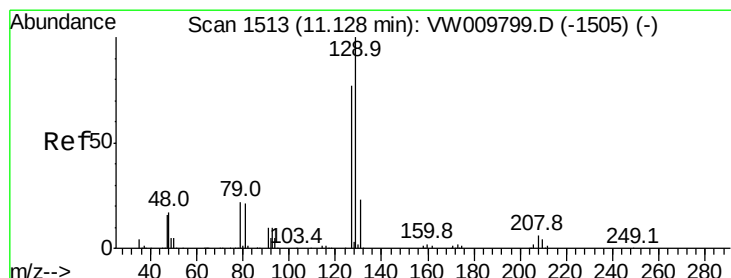
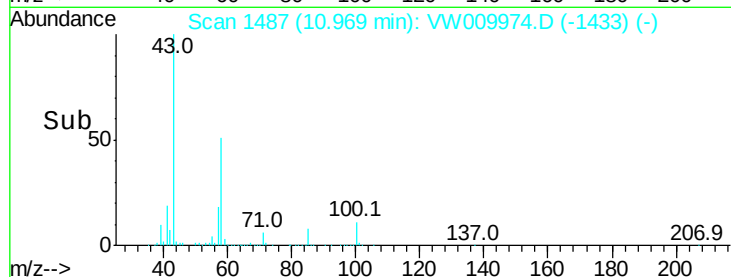
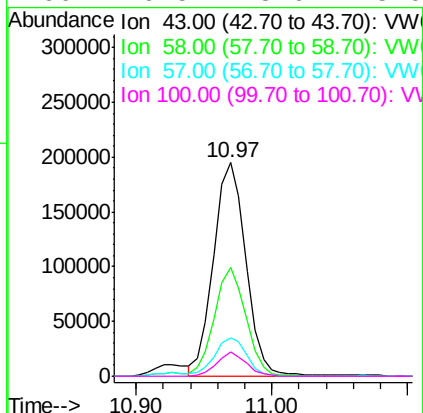
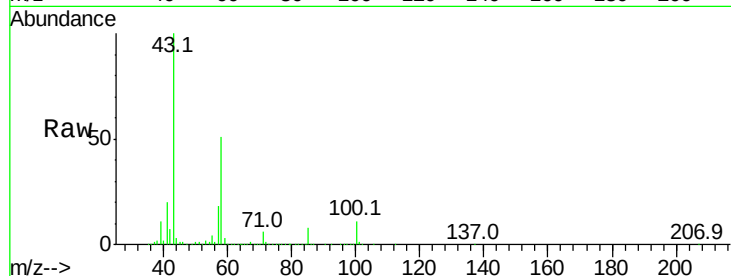




#49
2-Hexanone
Concen: 58.474 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009974.D
Acq: 15 Apr 2019 15:45

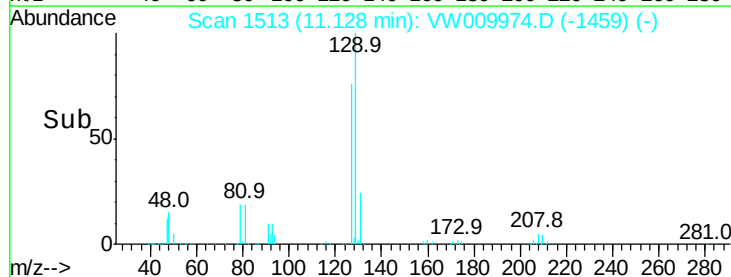
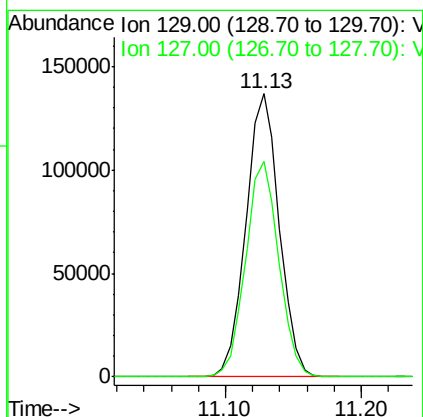
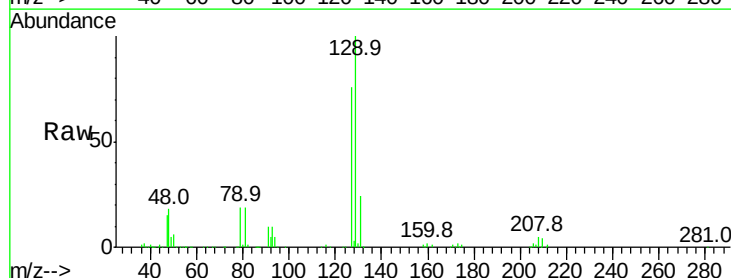
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

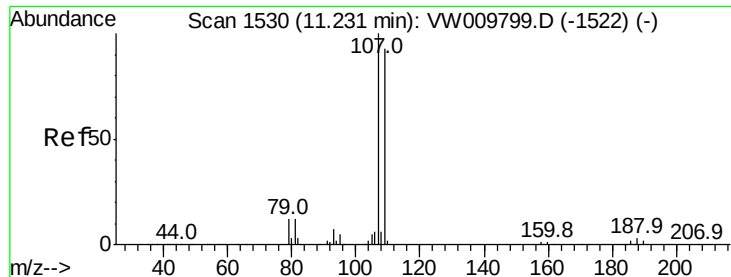
Tgt Ion:	43	Resp:	323353
Ion	Ratio	Lower	Upper
43	100		
58	49.8	38.9	58.3
57	17.6	13.8	20.6
100	10.5	8.6	13.0



#50
Dibromochloromethane
Concen: 26.608 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009974.D
Acq: 15 Apr 2019 15:45

Tgt Ion:	129	Resp:	234595
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.0	98.4





#51

1,2-Dibromoethane

Concen: 26.566 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

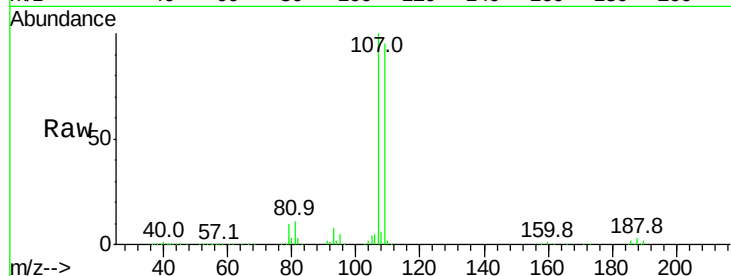
Tgt Ion:107 Resp: 191078

Ion Ratio Lower Upper

107 100

109 94.9 65.4 121.4

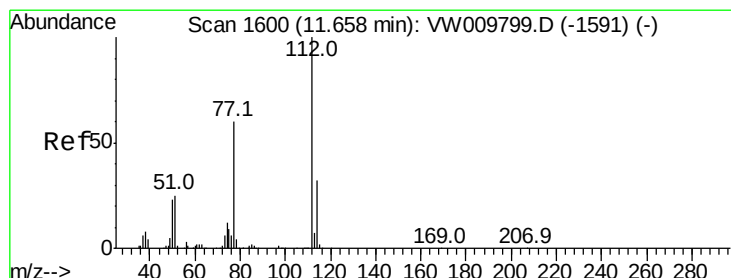
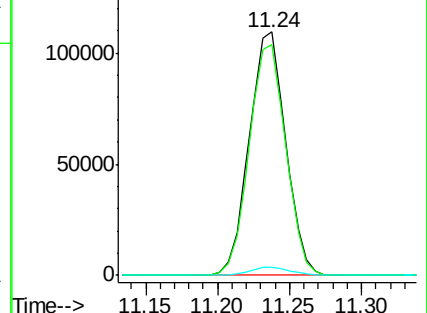
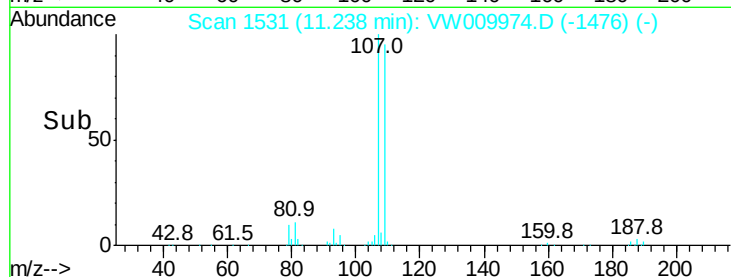
188 3.4 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.223 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

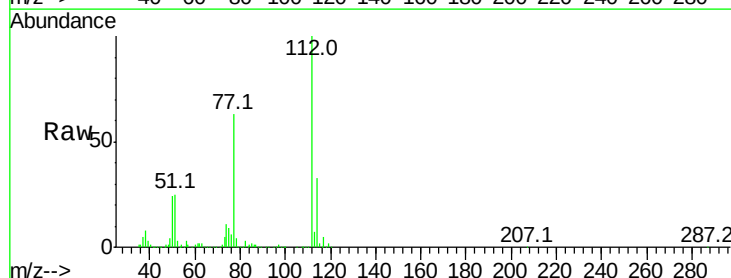
Tgt Ion:112 Resp: 642384

Ion Ratio Lower Upper

112 100

77 62.8 48.2 72.2

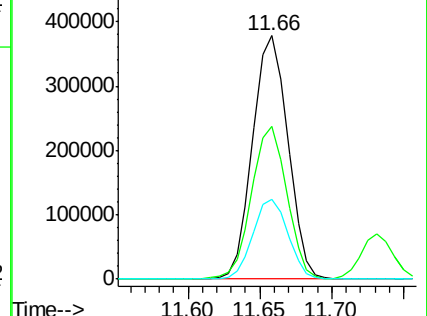
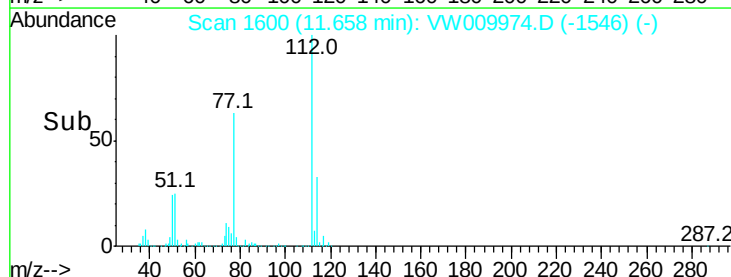
114 32.5 23.0 42.6

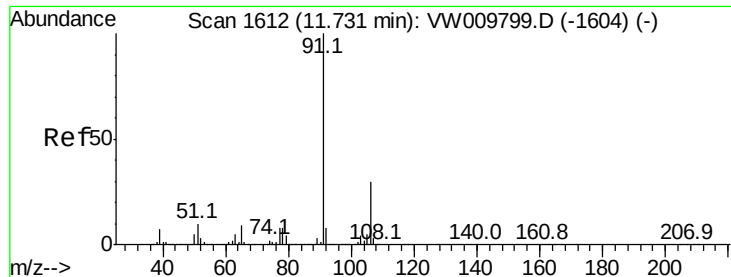


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.742 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

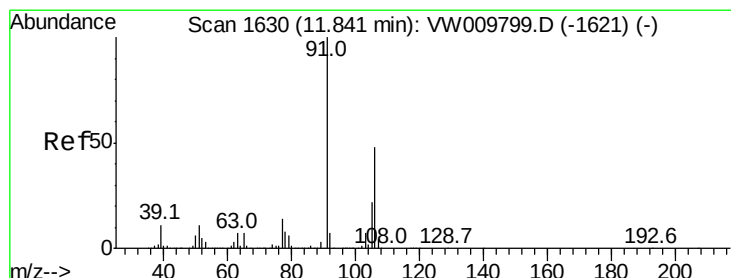
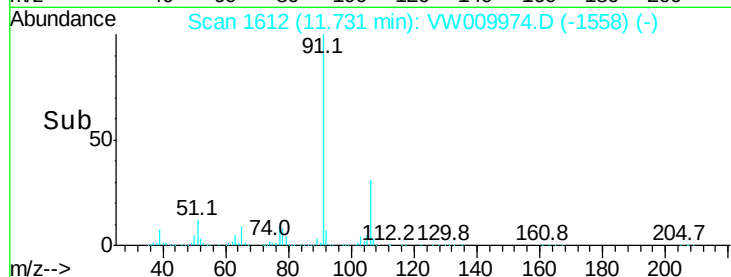
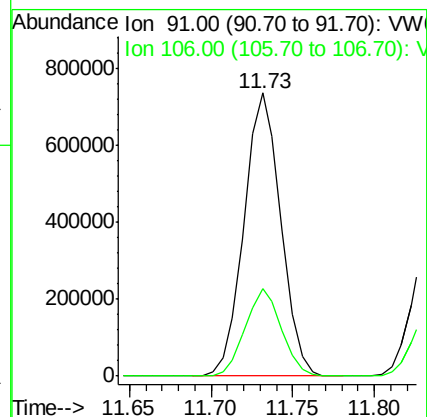
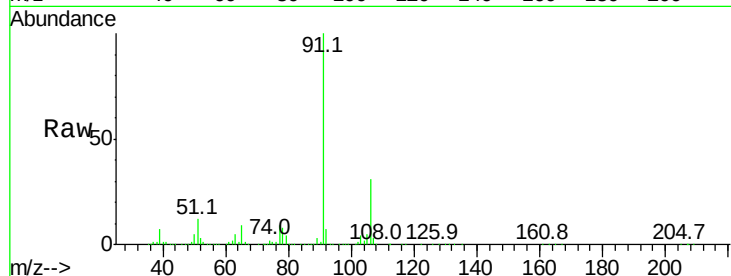
VSTD02505

Tgt Ion: 91 Resp: 1160188

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



#54

m,p-Xylene

Concen: 25.705 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009974.D

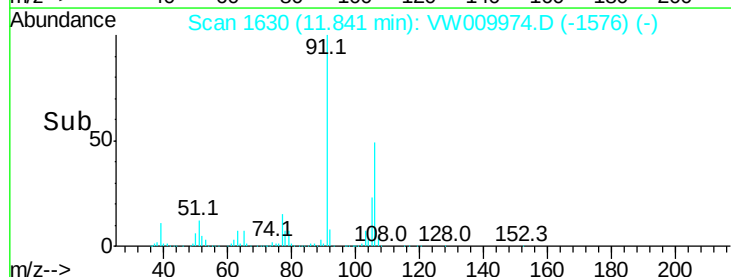
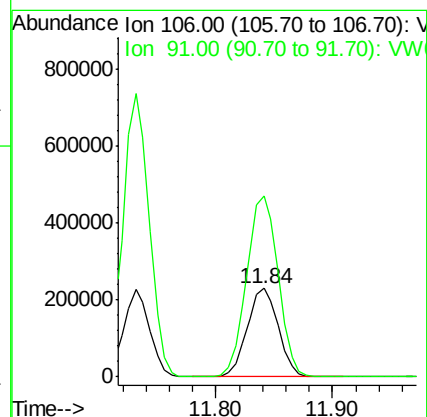
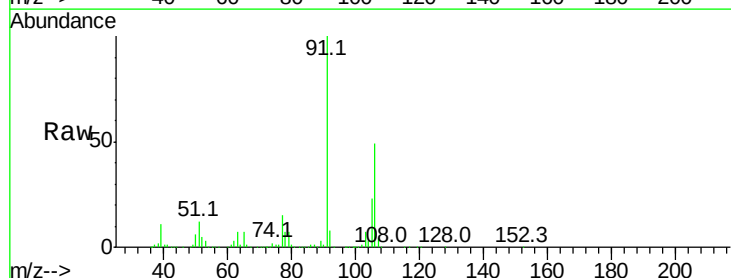
Acq: 15 Apr 2019 15:45

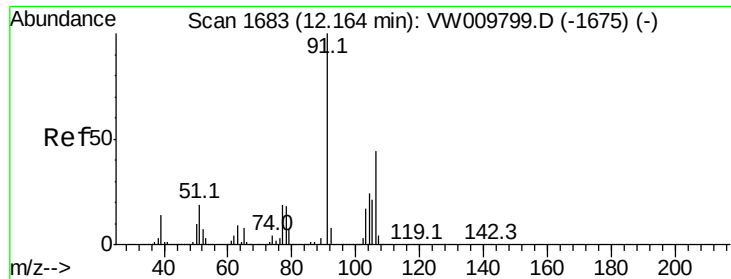
Tgt Ion:106 Resp: 428509

Ion Ratio Lower Upper

106 100

91 204.8 145.3 269.9





#55

o-xylene

Concen: 25.896 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampled :

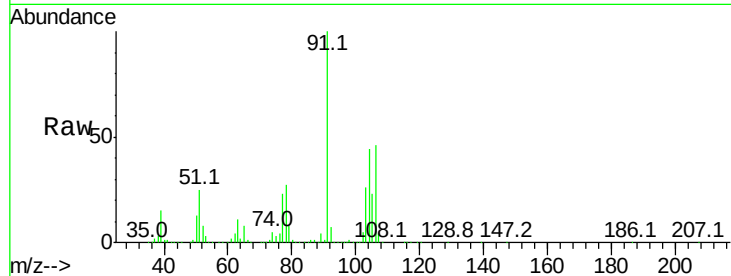
VSTD02505

Tgt Ion:106 Resp: 411139

Ion Ratio Lower Upper

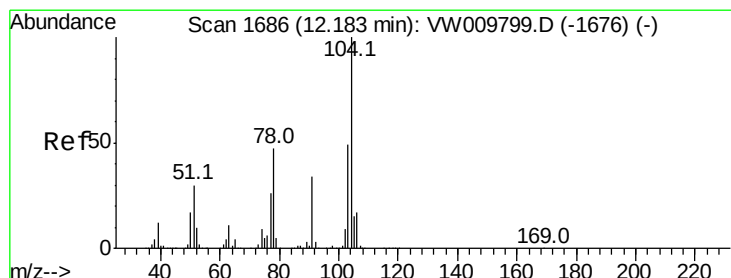
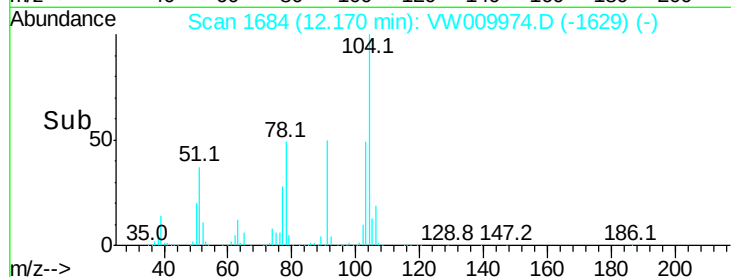
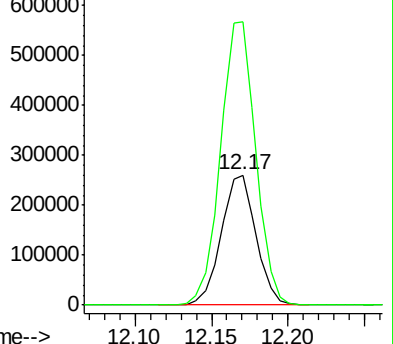
106 100

91 217.5 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.378 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009974.D

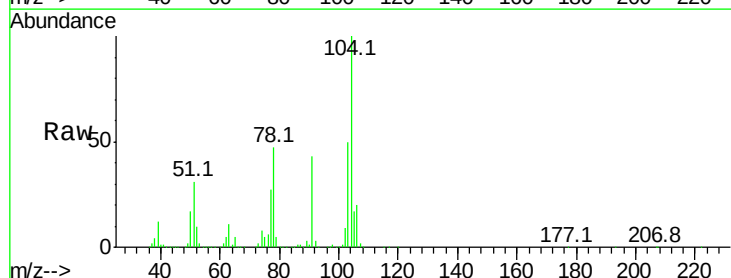
Acq: 15 Apr 2019 15:45

Tgt Ion:104 Resp: 726667

Ion Ratio Lower Upper

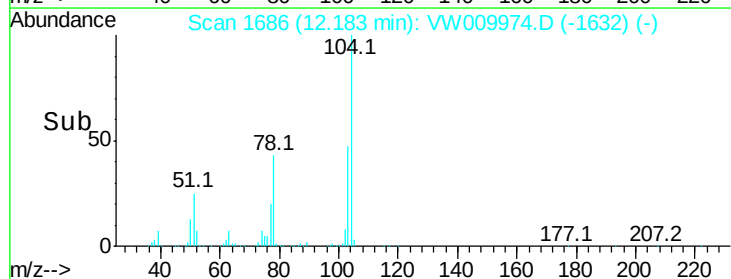
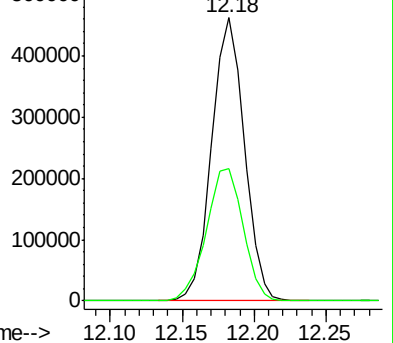
104 100

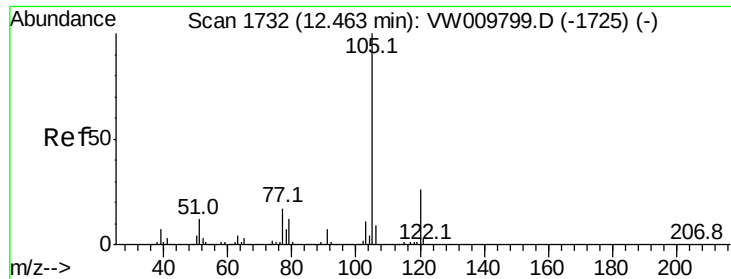
78 46.7 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.596 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

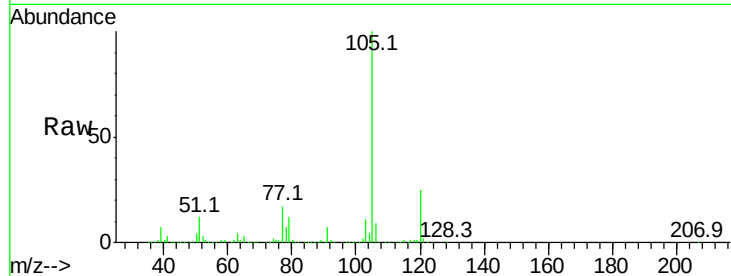
Tgt Ion:105 Resp: 1112733

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

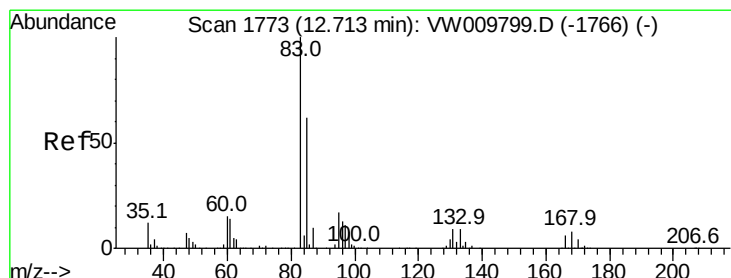
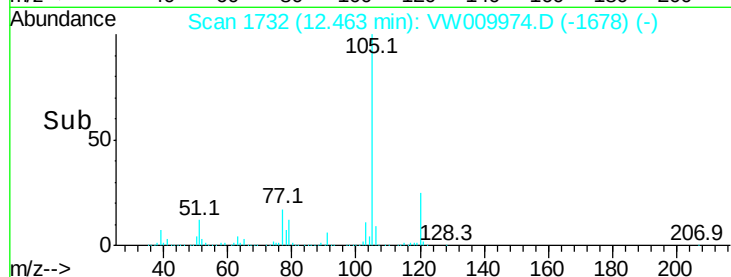
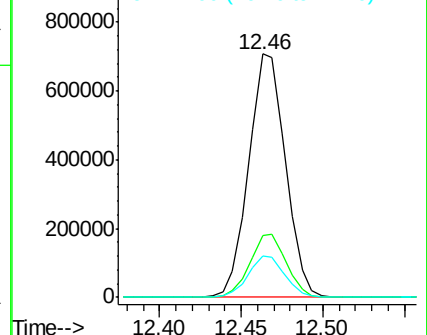
77 16.8 13.4 20.2



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: 26.873 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

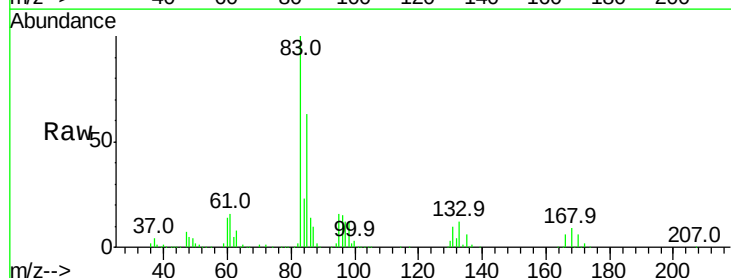
Tgt Ion: 83 Resp: 259322

Ion Ratio Lower Upper

83 100

85 63.0 44.9 83.3

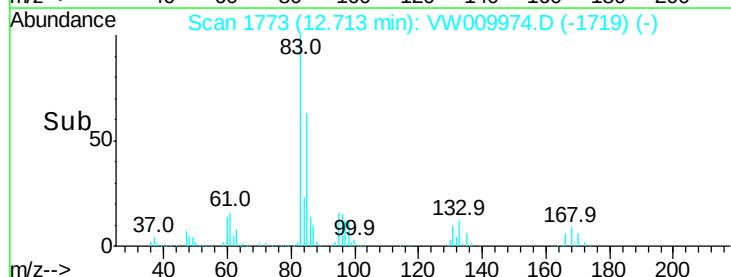
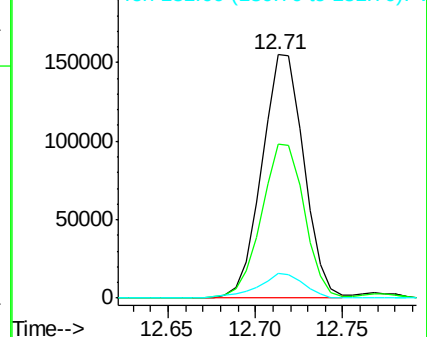
131 10.4 7.2 10.8

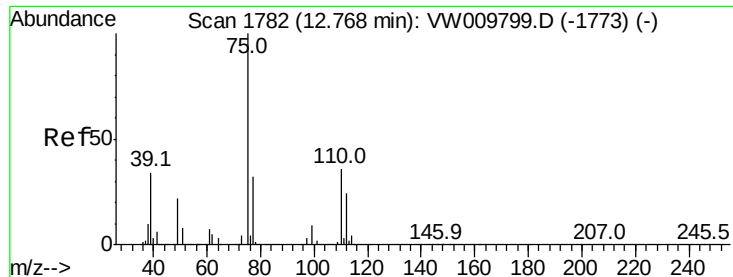


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.369 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

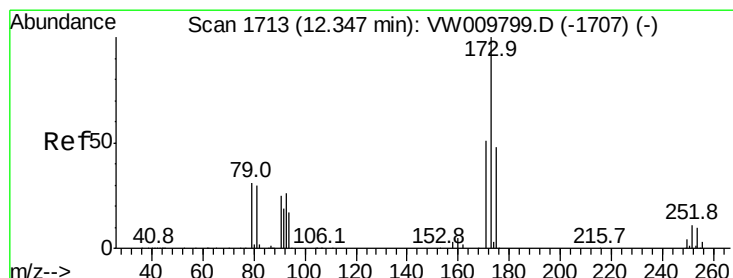
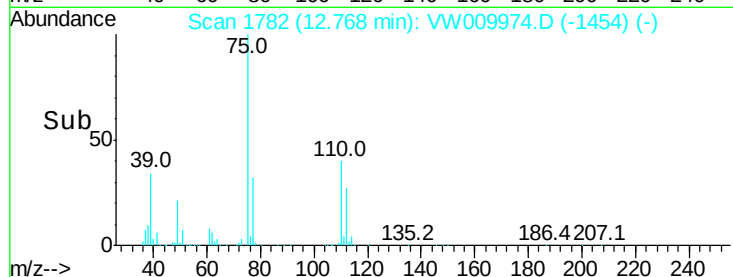
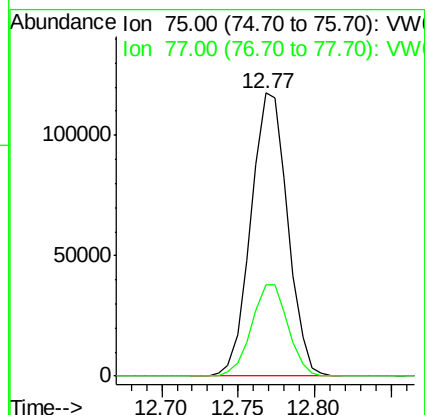
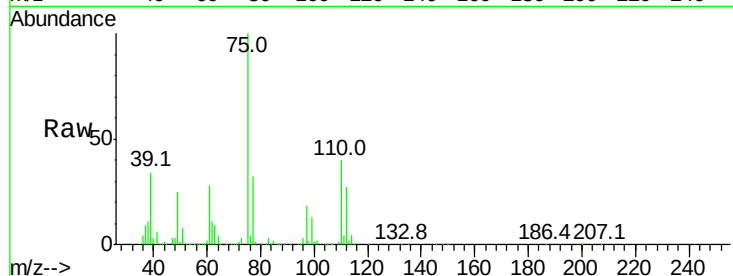
VSTD02505

Tgt Ion: 75 Resp: 196603

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2



#62

Bromoform

Concen: 26.109 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

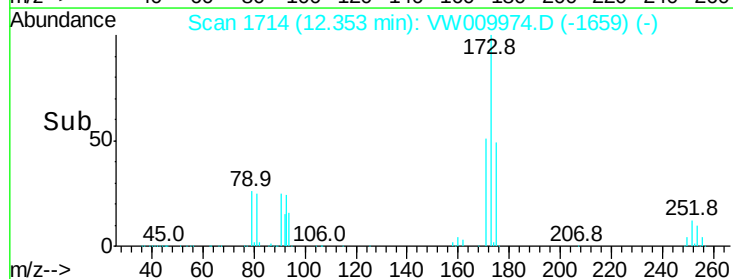
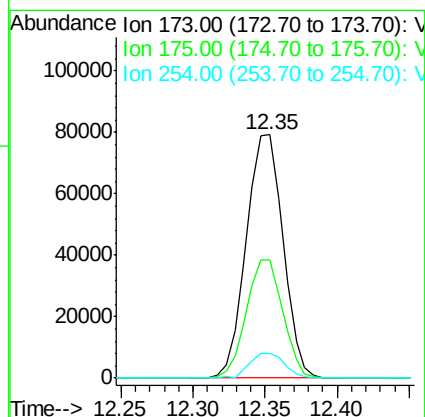
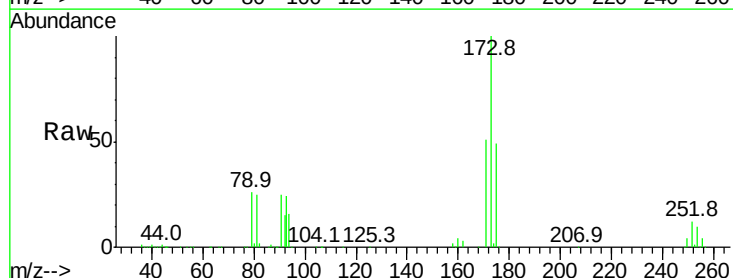
Tgt Ion: 173 Resp: 139998

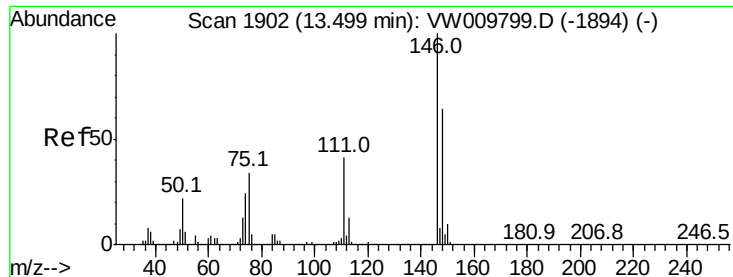
Ion Ratio Lower Upper

173 100

175 48.0 39.4 59.2

254 9.6 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 24.888 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampled :

VSTD02505

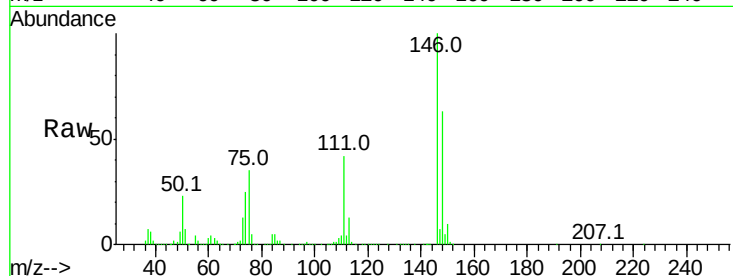
Tgt Ion:146 Resp: 469530

Ion Ratio Lower Upper

146 100

111 41.8 28.1 52.3

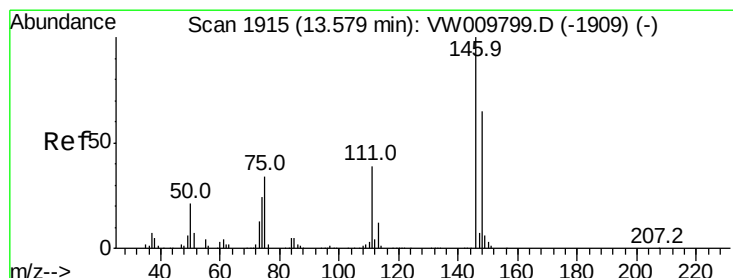
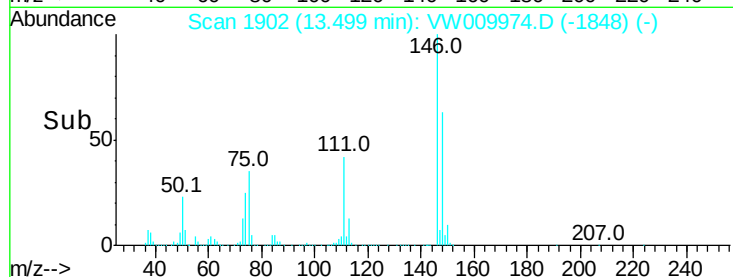
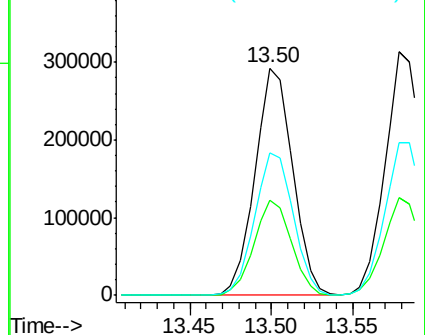
148 63.0 44.3 82.3



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



#64

1,4-Dichlorobenzene

Concen: 24.987 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

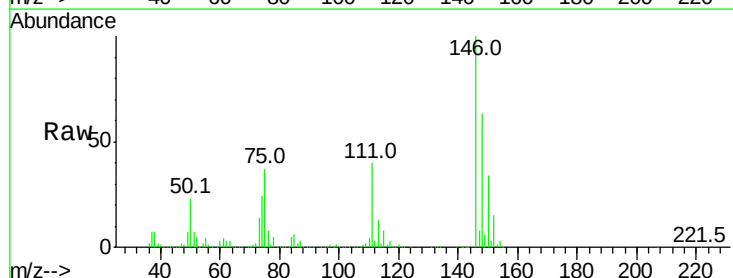
Tgt Ion:146 Resp: 502667

Ion Ratio Lower Upper

146 100

111 40.0 27.4 50.8

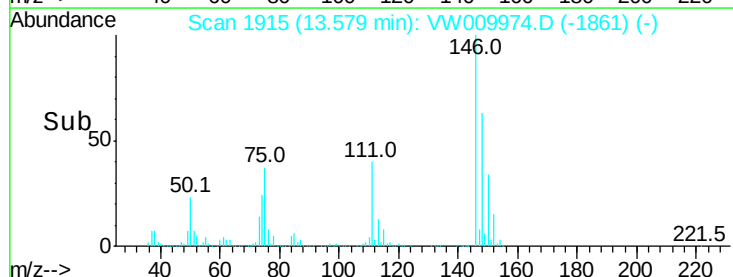
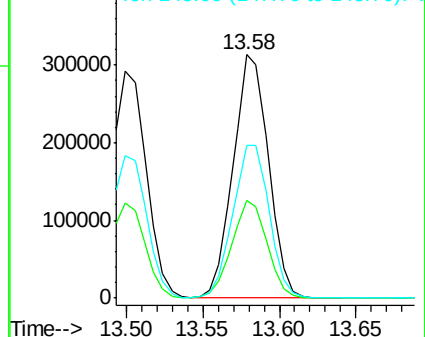
148 63.0 43.8 81.3

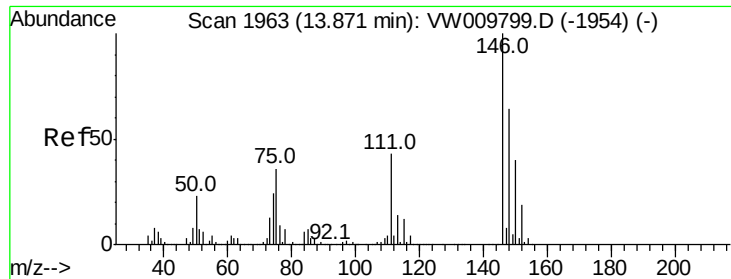


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

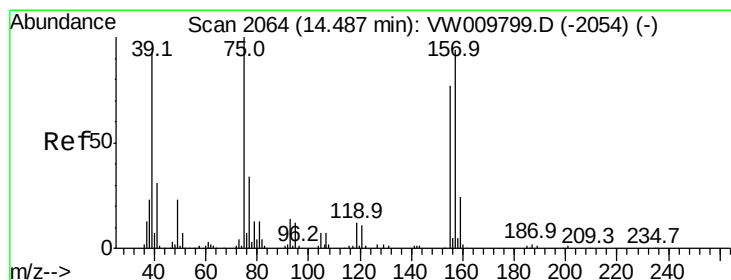
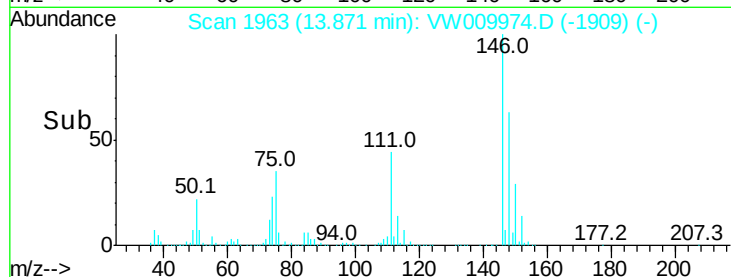
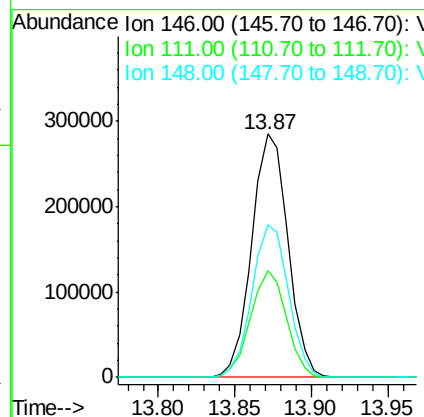
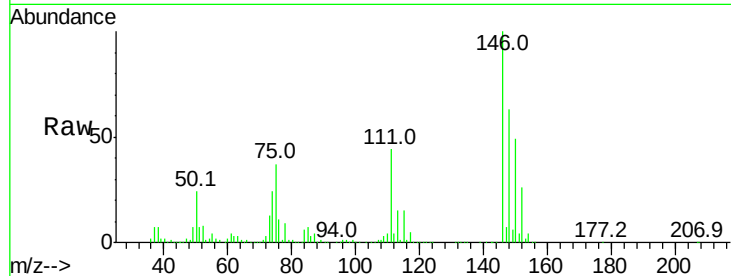




#65
 1,2-Dichlorobenzene
 Concen: 26.042 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009974.D
 Acq: 15 Apr 2019 15:45

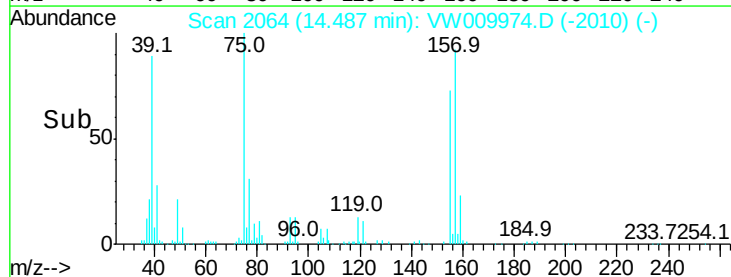
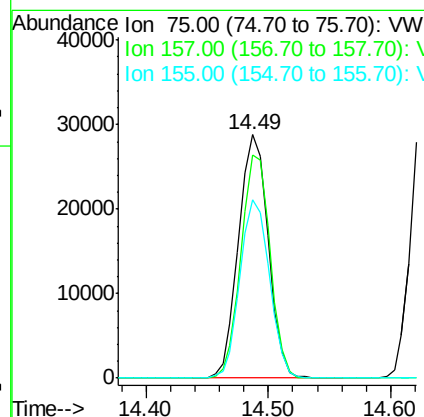
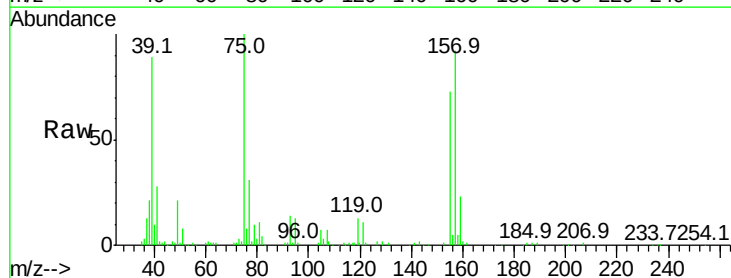
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

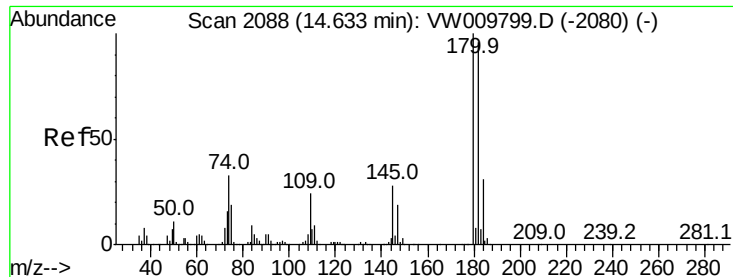
Tgt Ion:146 Resp: 470015
 Ion Ratio Lower Upper
 146 100
 111 43.8 32.4 48.6
 148 63.0 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.484 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009974.D
 Acq: 15 Apr 2019 15:45

Tgt Ion: 75 Resp: 48286
 Ion Ratio Lower Upper
 75 100
 157 91.6 77.2 115.8
 155 73.3 61.9 92.9

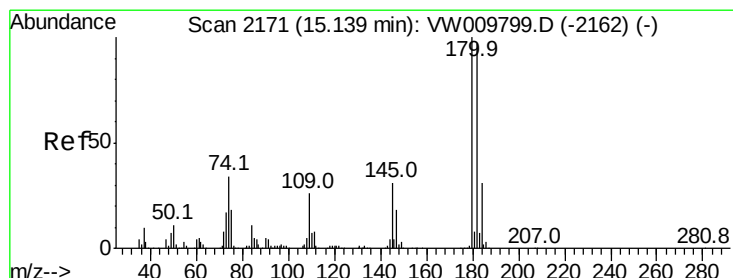
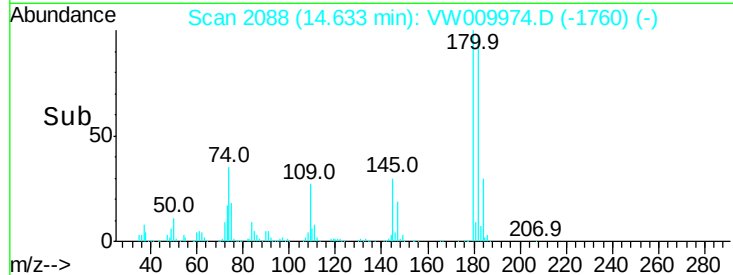
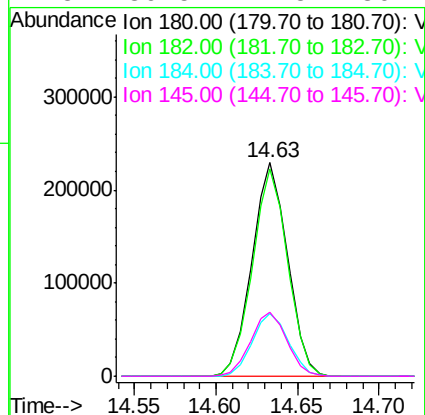
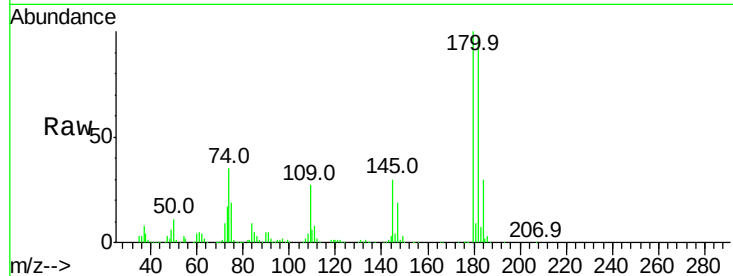




#67
 1,3,5-Trichlorobenzene
 Concen: 24.926 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009974.D
 Acq: 15 Apr 2019 15:45

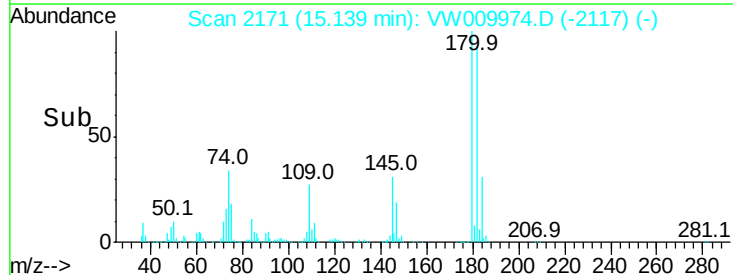
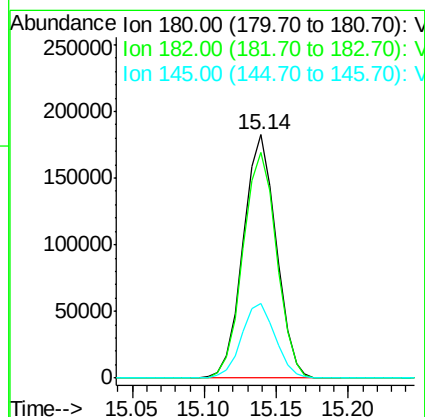
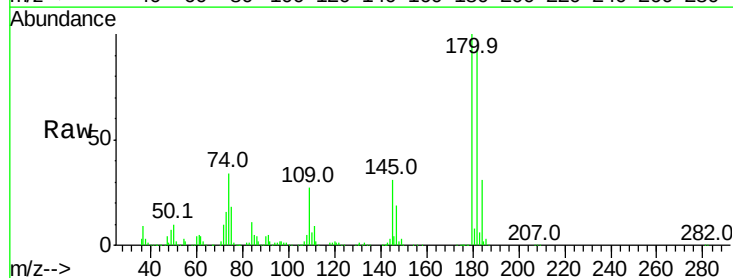
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

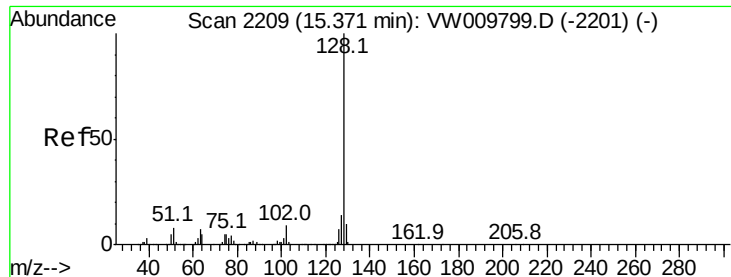
Tgt Ion:	180	Resp:	348902
Ion Ratio	Lower	Upper	
180	100		
182	96.0	75.8	113.6
184	30.0	24.7	37.1
145	30.5	24.5	36.7



#68
 1,2,4-trichlorobenzene
 Concen: 25.839 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009974.D
 Acq: 15 Apr 2019 15:45

Tgt Ion:	180	Resp:	290463
Ion Ratio	Lower	Upper	
180	100		
182	94.2	75.8	113.8
145	31.2	24.3	36.5





#69

Naphthalene

Concen: 30.166 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

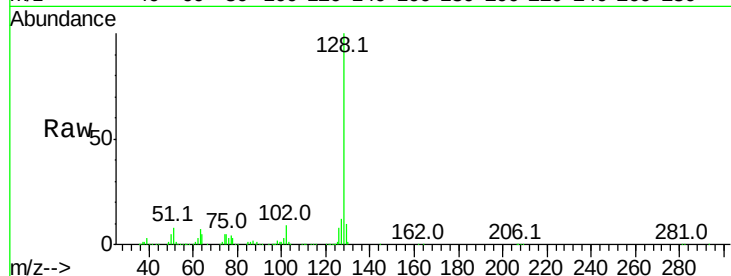
Tgt Ion:128 Resp: 681566

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

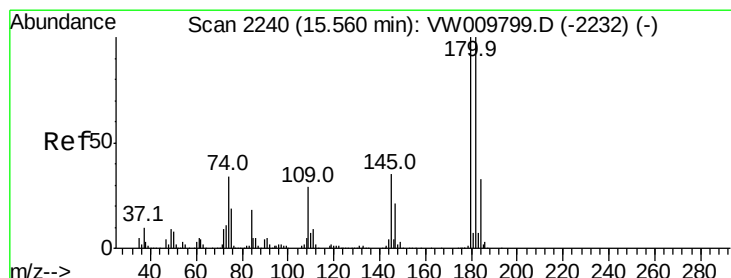
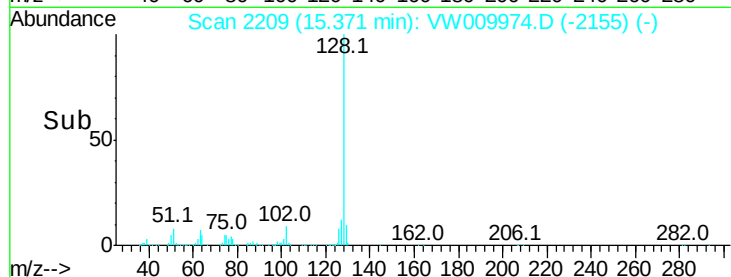
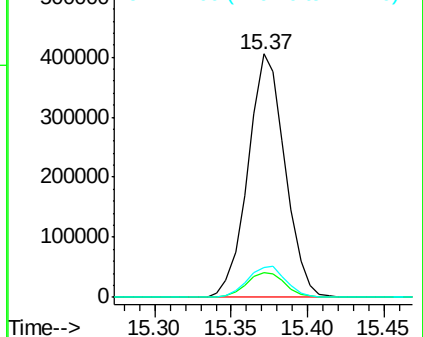
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.087 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009974.D

Acq: 15 Apr 2019 15:45

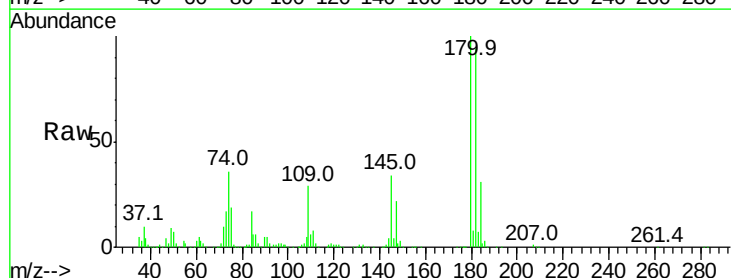
Tgt Ion:180 Resp: 284846

Ion Ratio Lower Upper

180 100

182 95.0 75.0 112.4

145 32.9 25.8 38.6



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

