

Data File : VW006875.D
Acq On : 14 Nov 2018 14:12
Operator : SY/AP
Sample : VSTD02583
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

Quant Time: Nov 14 14:38:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 14 11:19:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	169616	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	163251	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	78987	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	38538	20.15	ug/L	-0.01
7) Chloroethane-d5	2.89	69	29223	17.75	ug/L	-0.01
10) 1,1-Dichloroethene-d2	4.03	63	98059	26.69	ug/L	0.00
20) 2-Butanone-d5	7.09	46	35173	55.47	ug/L	0.00
24) Chloroform-d	7.65	84	94006	25.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	53861	26.50	ug/L	0.00
29) Benzene-d6	8.27	84	205422	27.72	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	64055	28.64	ug/L	0.00
37) Toluene-d8	10.33	98	213471	28.80	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	28035	25.79	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	29989	55.48	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	55316	25.43	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	73376	27.10	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	53694	33.493	ug/L	91
3) Chloromethane	2.21	50	44235	28.097	ug/L	95
5) Vinyl chloride	2.36	62	44820	17.663	ug/L	98
6) Bromomethane	2.78	94	21954	11.111	ug/L	99
8) Chloroethane	2.92	64	24367	15.667	ug/L	95
9) Trichlorofluoromethane	3.26	101	77219	38.039	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	51676	25.462	ug/L	90
12) 1,1-Dichloroethene	4.04	96	46112	23.679	ug/L	82
13) Acetone	4.15	43	22285	34.790	ug/L	96
14) Carbon disulfide	4.39	76	168956	26.540	ug/L	99
15) Methyl Acetate	4.68	43	30496	29.393	ug/L	98
16) Methylene chloride	4.92	84	65320	29.828	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	138628	43.732	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	53088	24.623	ug/L	90
19) 1,1-Dichloroethane	6.22	63	90365	25.900	ug/L	99
21) 2-Butanone	7.18	43	39066	45.898	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	57197	24.321	ug/L	95
23) Bromochloromethane	7.52	128	24206	21.883	ug/L #	86
25) Chloroform	7.68	83	94157	25.071	ug/L	98
27) 1,2-Dichloroethane	8.40	62	64419	25.164	ug/L	97
30) Cyclohexane	7.96	56	98519	27.457	ug/L	95
31) 1,1,1-Trichloroethane	7.88	97	83124	24.333	ug/L	98
32) Carbon tetrachloride	8.07	117	73111	21.823	ug/L	100
34) Benzene	8.33	78	220851	26.353	ug/L	100
35) Trichloroethene	9.09	95	58591	24.848	ug/L	92
36) Methylcyclohexane	9.34	83	109616	25.372	ug/L	95
40) 1,2-Dichloropropane	9.37	63	55890	26.884	ug/L	99
41) Bromodichloromethane	9.65	83	68292	24.326	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	87598	25.797	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	84753	50.876	ug/L	99

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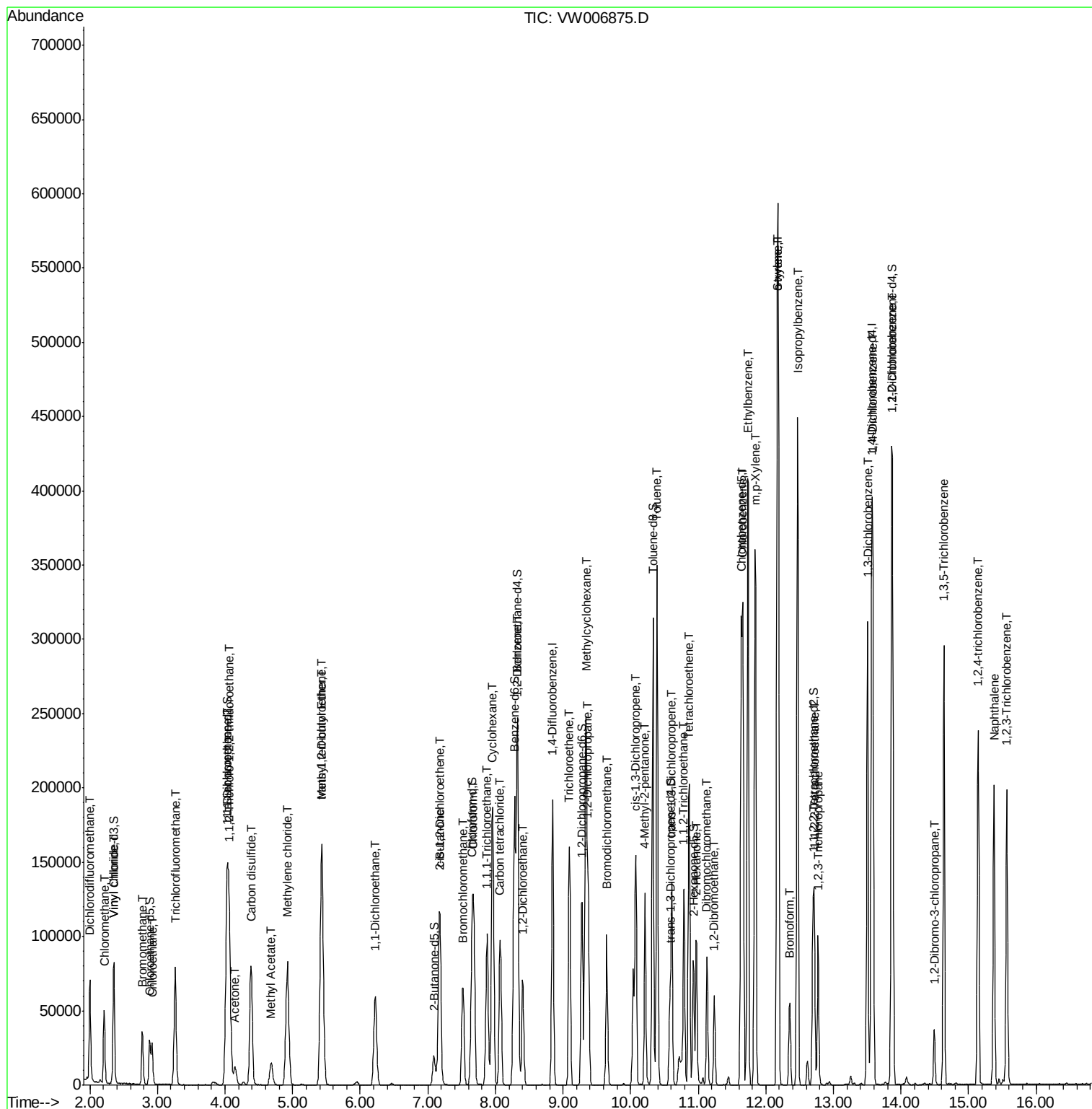
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	257829	27.399	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	75598	25.488	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	43479	25.115	ug/L	99
47) Tetrachloroethene	10.87	164	44913	20.577	ug/L	91
49) 2-Hexanone	10.97	43	62469	50.882	ug/L	96
50) Dibromochloromethane	11.13	129	48319	21.775	ug/L	98
51) 1,2-Dibromoethane	11.24	107	42268	23.455	ug/L #	98
52) Chlorobenzene	11.66	112	166152	26.091	ug/L	96
53) Ethylbenzene	11.74	91	303219	27.678	ug/L	96
54) m,p-Xylene	11.84	106	117444	27.350	ug/L	97
55) o-xylene	12.17	106	110968	27.064	ug/L	98
56) Styrene	12.18	104	188335	26.674	ug/L	97
57) Isopropylbenzene	12.47	105	294262	25.793	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	55652	24.737	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	42521	25.332	ug/L	99
62) Bromoform	12.35	173	25932	19.593	ug/L #	98
63) 1,3-Dichlorobenzene	13.51	146	129195	26.635	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	129213	26.453	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	117183	26.261	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	10108	28.142	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.63	180	86854	22.214	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	74019	22.201	ug/L	97
69) Naphthalene	15.38	128	177400	26.281	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	66488	22.198	ug/L	97

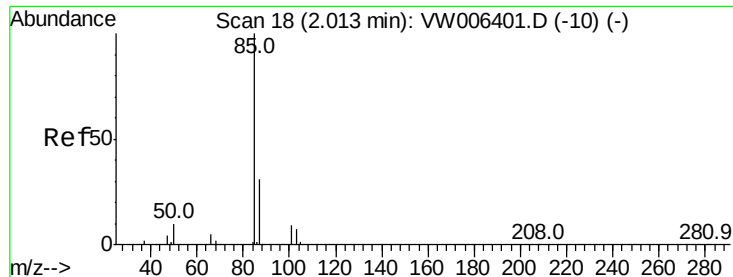
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 33.493 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

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Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

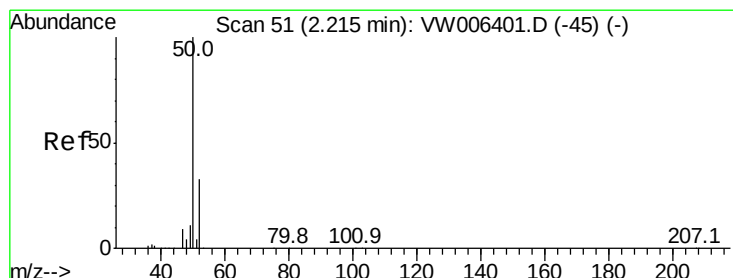
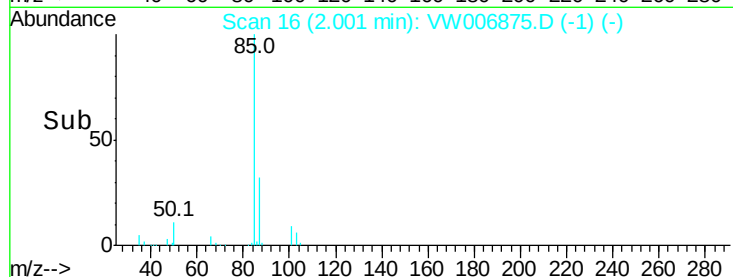
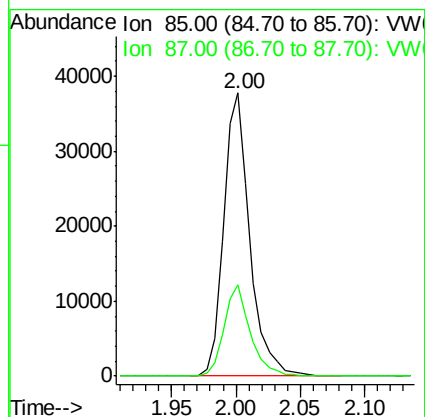
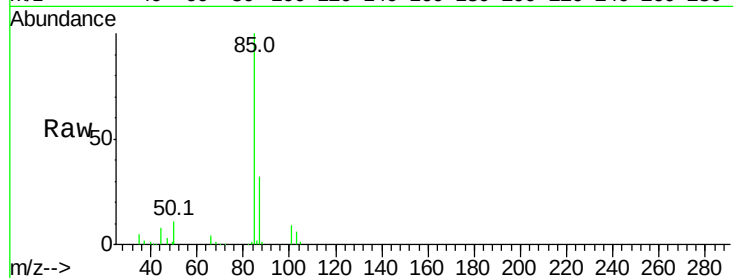
VSTD02583

Tgt Ion: 85 Resp: 53694

Ion Ratio Lower Upper

85 100

87 32.3 19.2 35.6



#3

Chloromethane

Concen: 28.097 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW006875.D

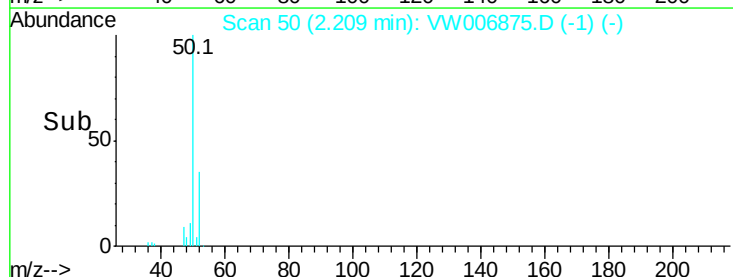
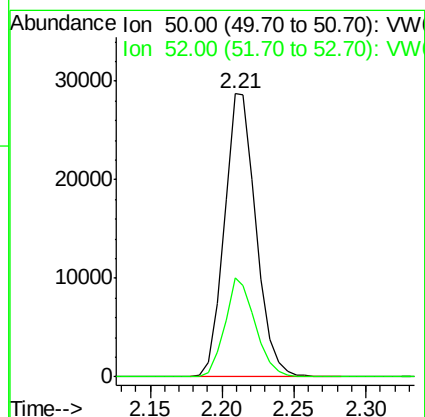
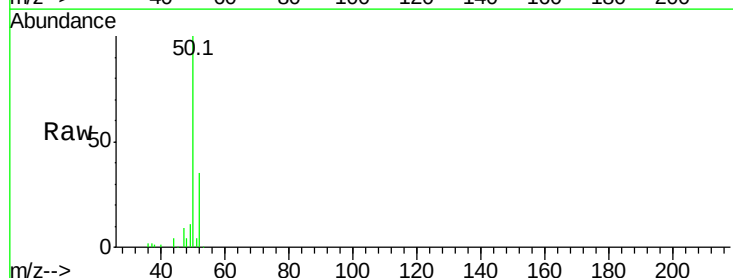
Acq: 14 Nov 2018 14:12

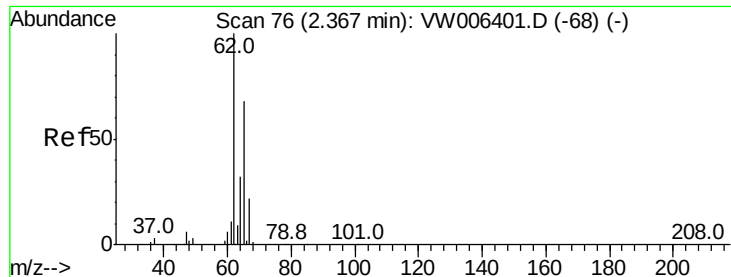
Tgt Ion: 50 Resp: 44235

Ion Ratio Lower Upper

50 100

52 34.9 22.3 41.3





#5

Vinyl chloride

Concen: 17.663 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

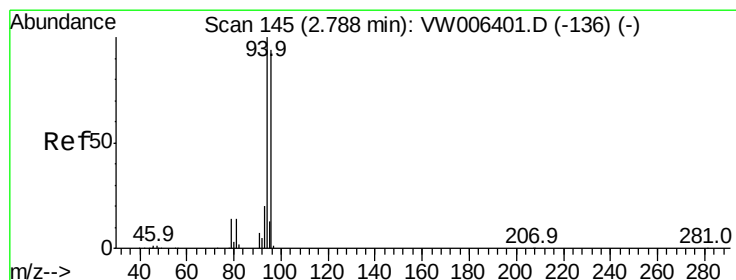
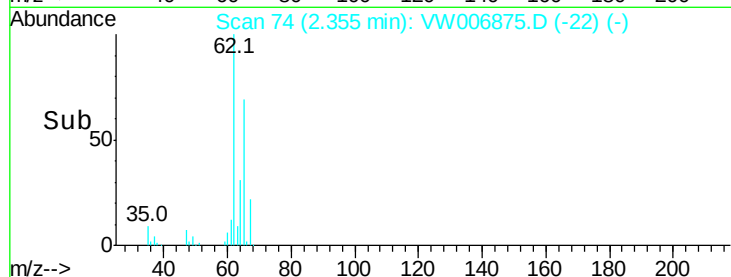
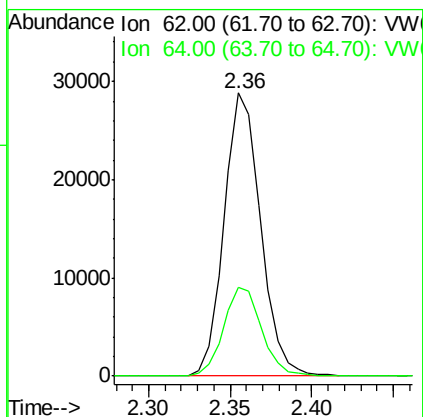
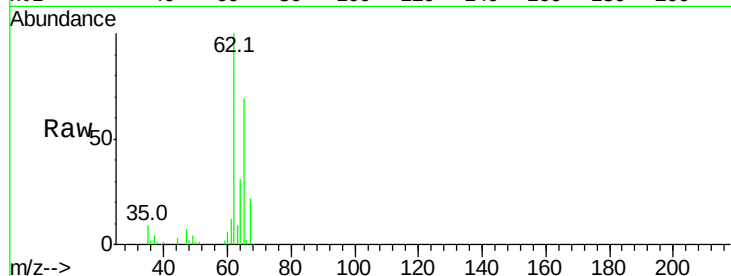
VSTD02583

Tgt Ion: 62 Resp: 44820

Ion Ratio Lower Upper

62 100

64 31.3 22.7 42.3



#6

Bromomethane

Concen: 11.111 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW006875.D

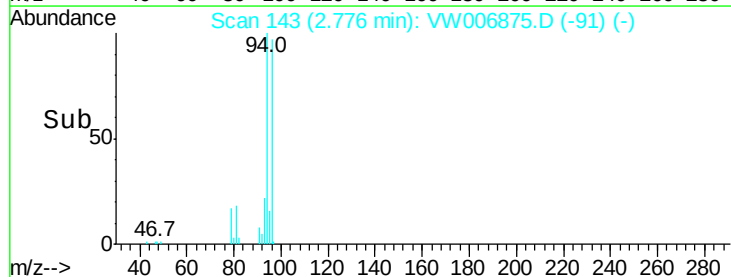
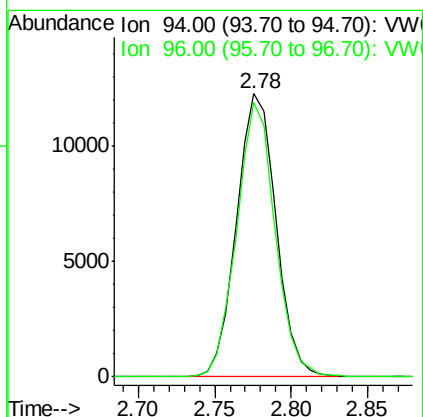
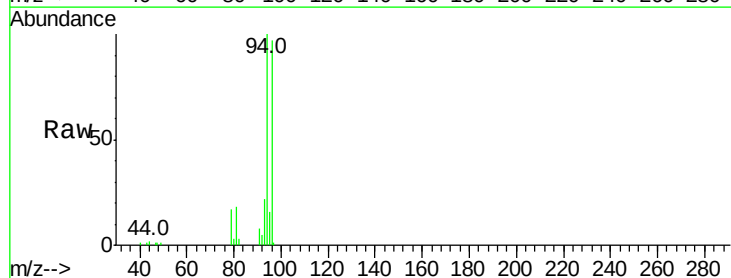
Acq: 14 Nov 2018 14:12

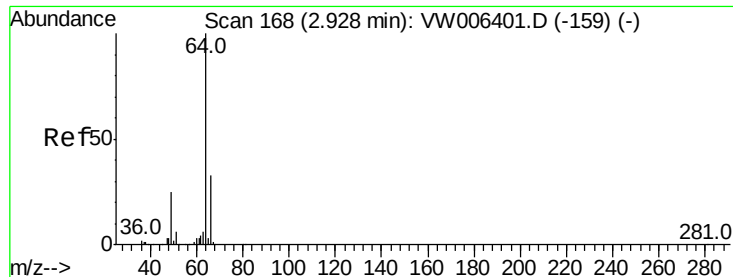
Tgt Ion: 94 Resp: 21954

Ion Ratio Lower Upper

94 100

96 94.5 9.5 181.3





#8

Chloroethane

Concen: 15.667 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

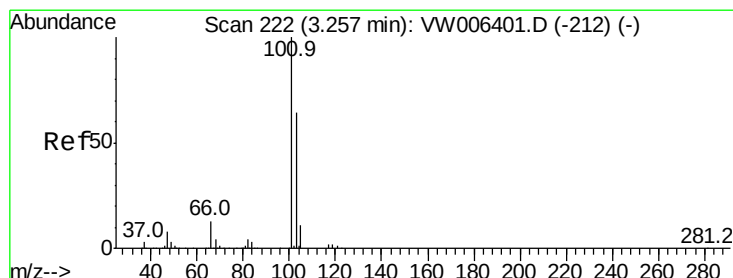
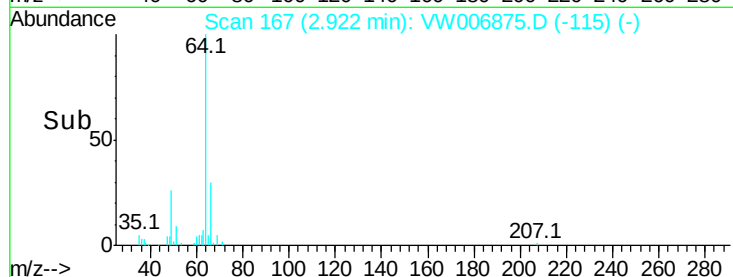
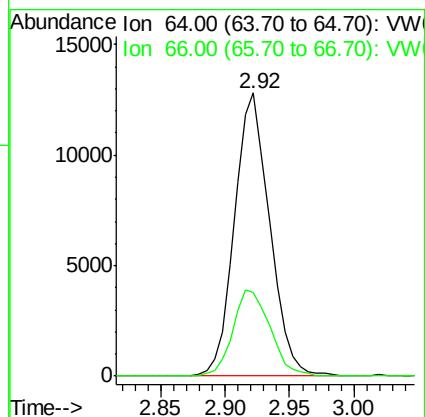
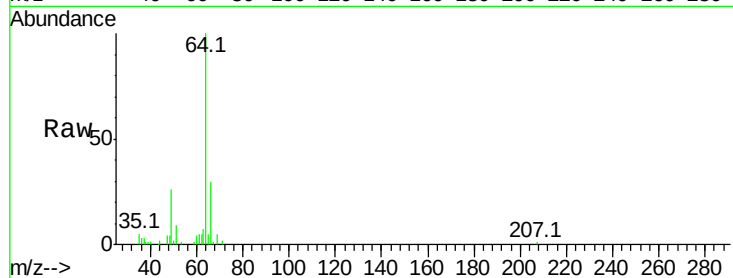
VSTD02583

Tgt Ion: 64 Resp: 24367

Ion Ratio Lower Upper

64 100

66 29.7 22.7 42.1



#9

Trichlorofluoromethane

Concen: 38.039 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006875.D

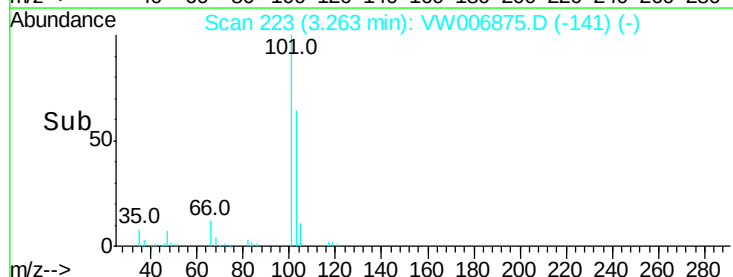
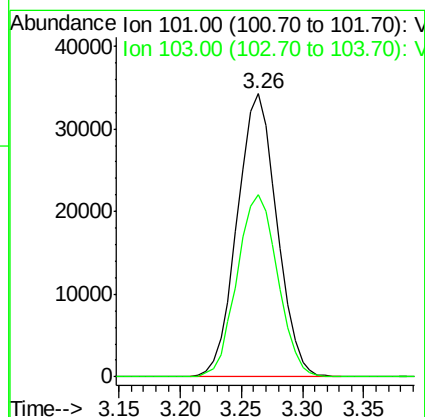
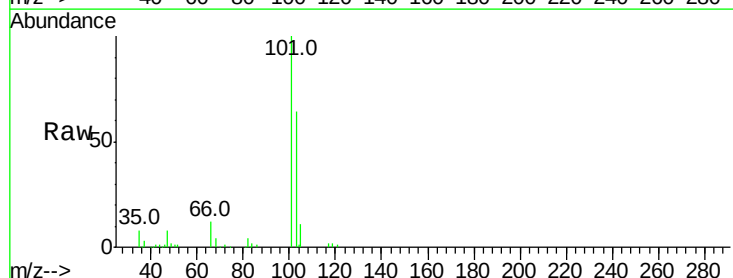
Acq: 14 Nov 2018 14:12

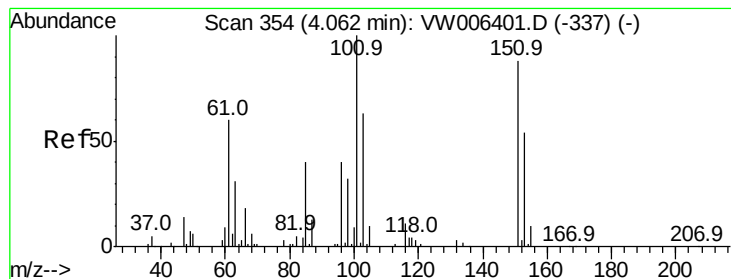
Tgt Ion: 101 Resp: 77219

Ion Ratio Lower Upper

101 100

103 65.8 45.6 84.6





#11

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

Concen: 25.462 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

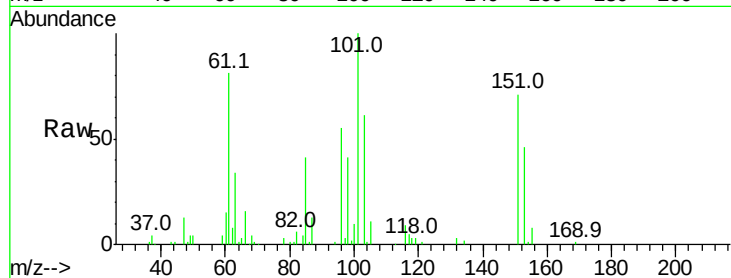
Tgt Ion:101 Resp: 51676

Ion Ratio Lower Upper

101 100

85 42.3 33.4 50.2

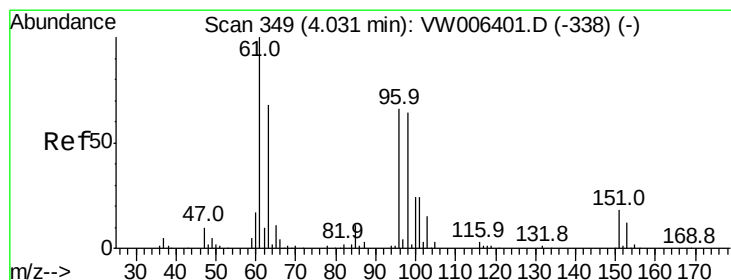
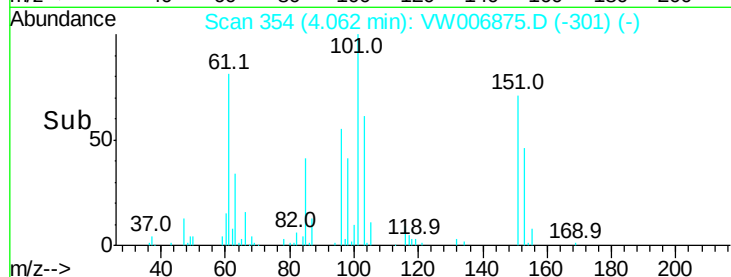
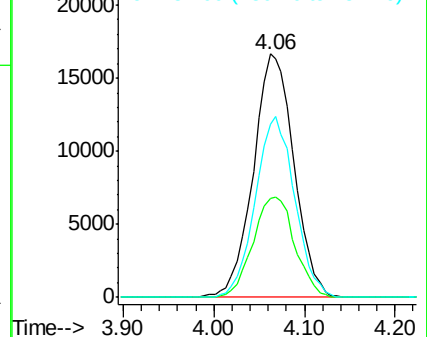
151 71.9 68.7 103.1



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: 23.679 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

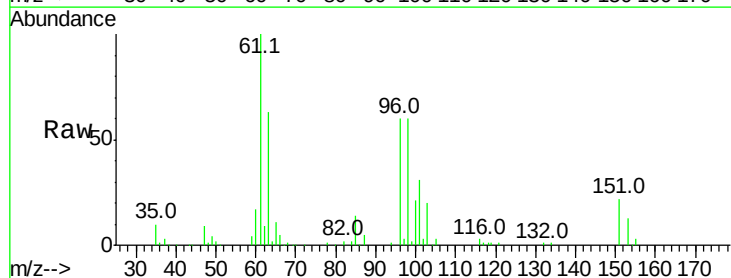
Tgt Ion: 96 Resp: 46112

Ion Ratio Lower Upper

96 100

61 166.1 112.3 208.7

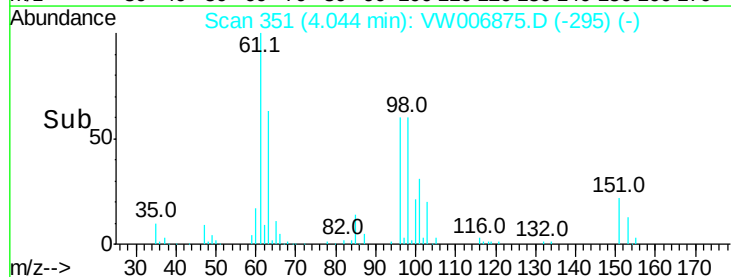
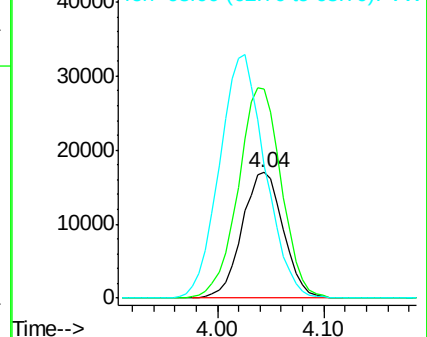
63 104.9 102.6 190.6

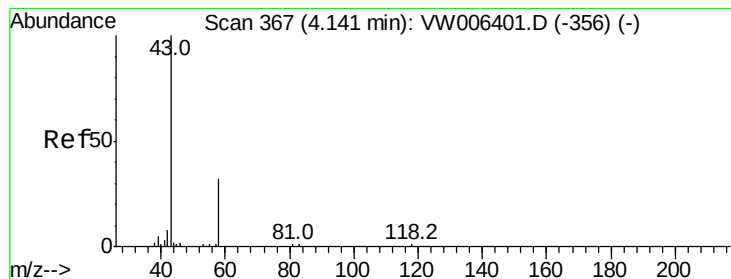


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 34.790 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

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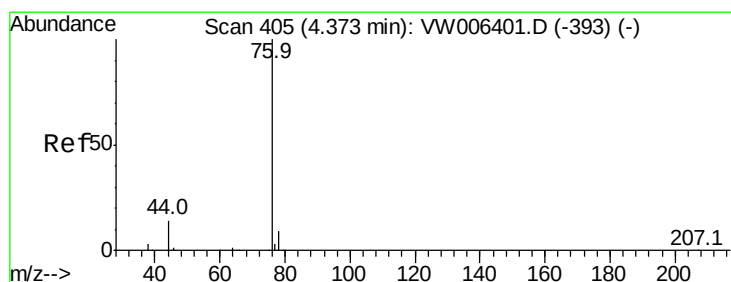
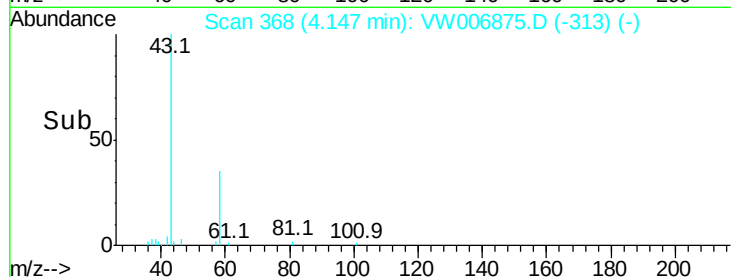
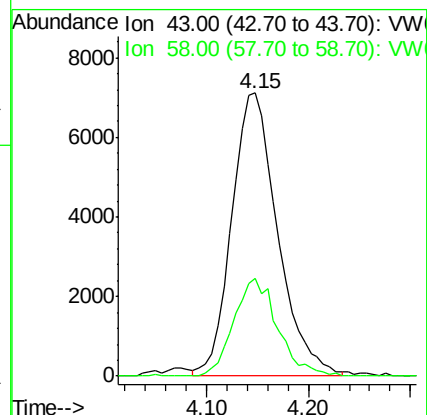
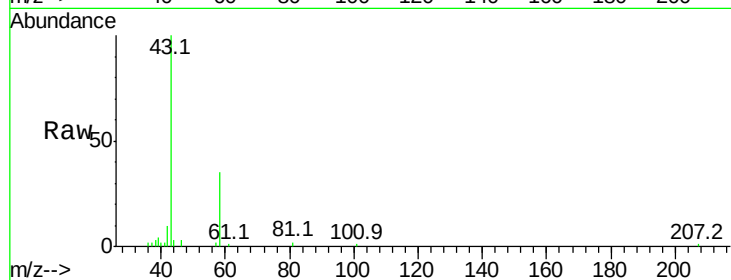
VSTD02583

Tgt Ion: 43 Resp: 22285

Ion Ratio Lower Upper

43 100

58 32.8 0.0 61.2



#14

Carbon disulfide

Concen: 26.540 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW006875.D

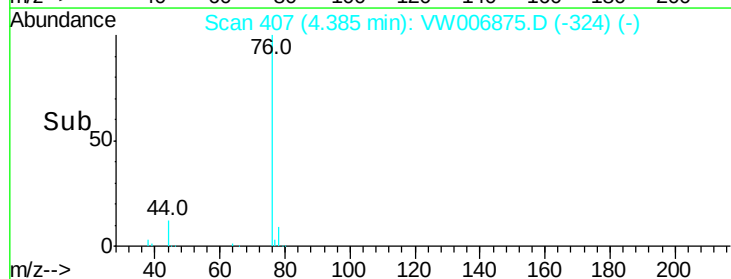
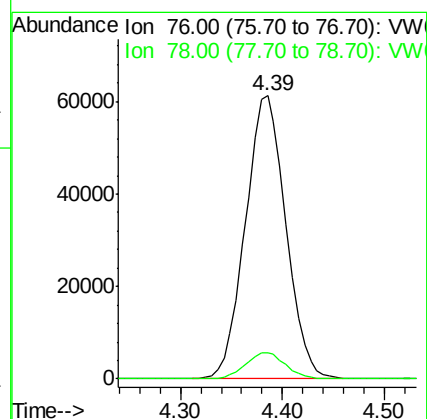
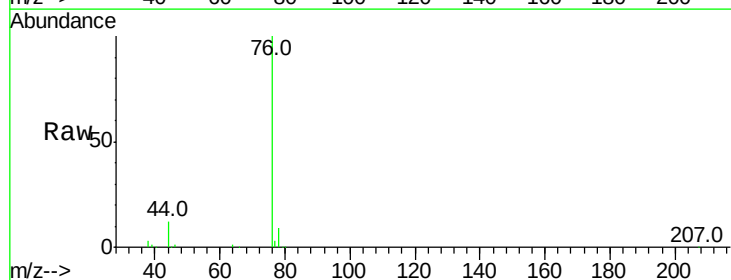
Acq: 14 Nov 2018 14:12

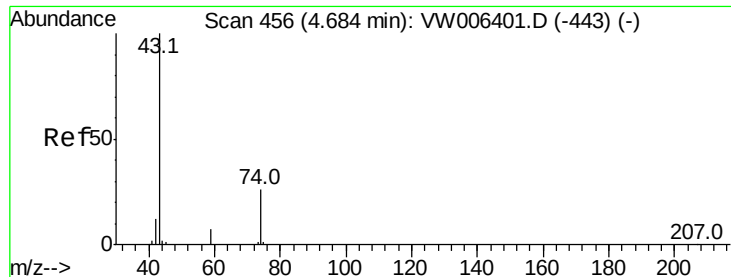
Tgt Ion: 76 Resp: 168956

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

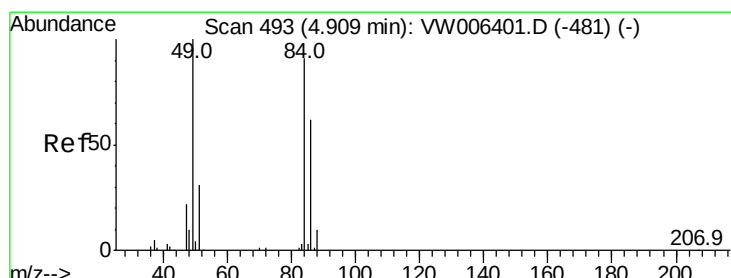
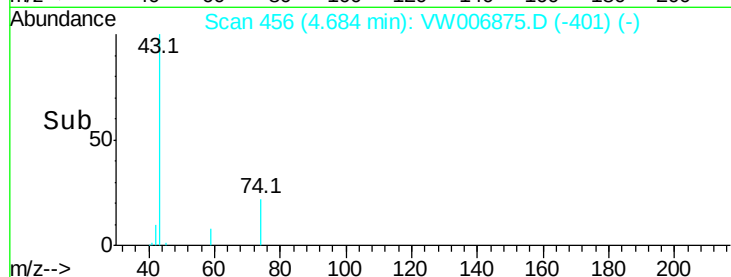
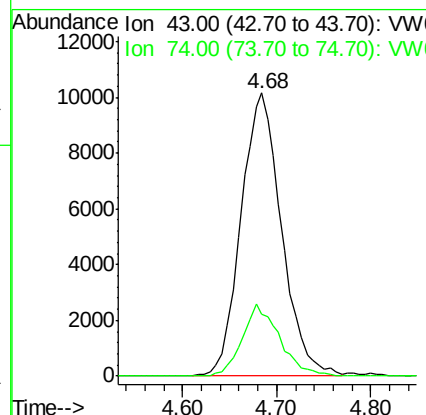
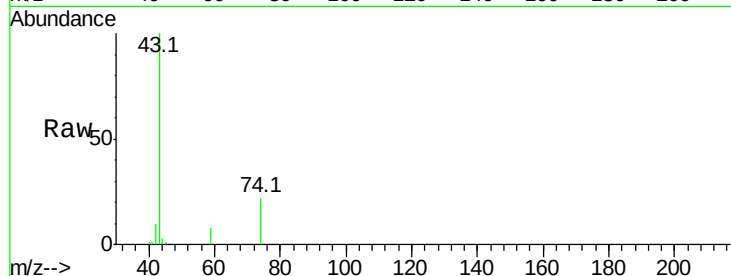




#15
Methyl Acetate
Concen: 29.393 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006875.D
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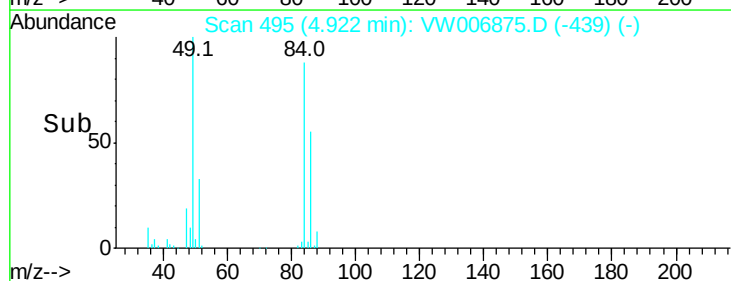
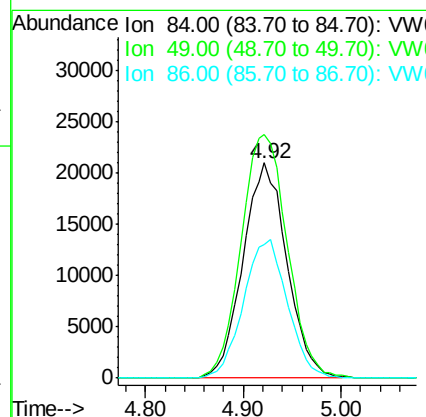
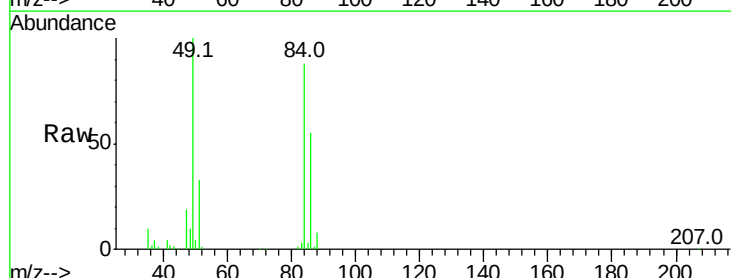
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

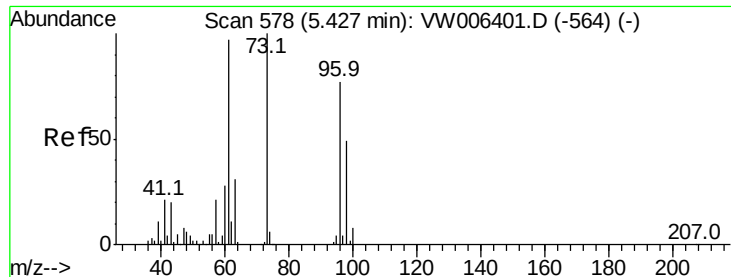
Tgt Ion: 43 Resp: 30496
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2



#16
Methylene chloride
Concen: 29.828 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

Tgt Ion: 84 Resp: 65320
Ion Ratio Lower Upper
84 100
49 113.3 83.5 155.1
86 62.2 44.9 83.5

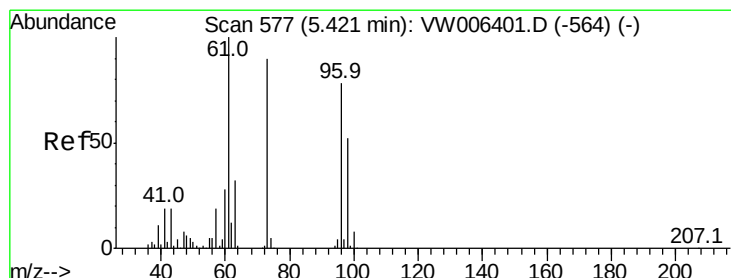
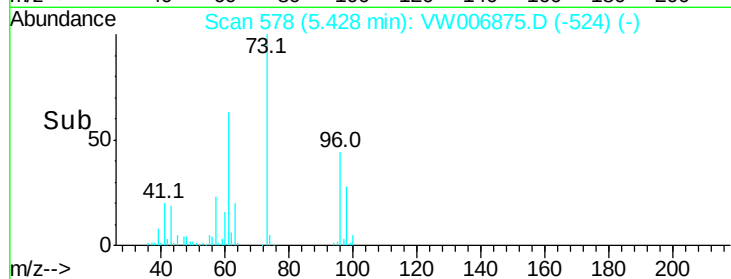
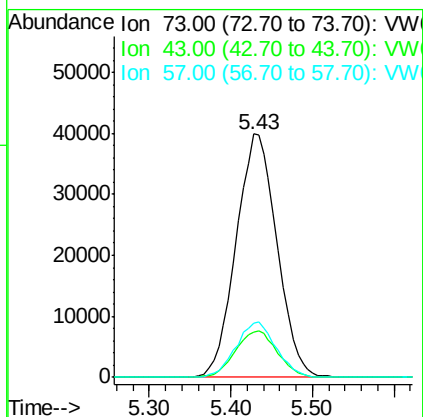
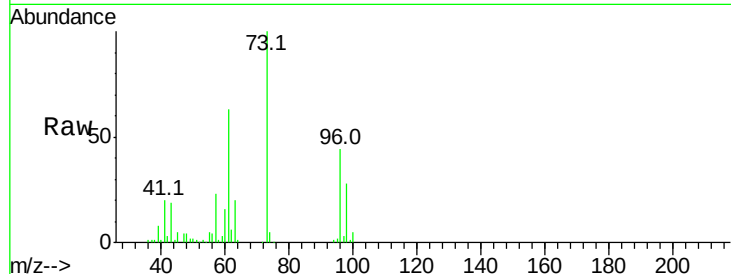




#17
Methyl tert-butyl Ether
Concen: 43.732 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

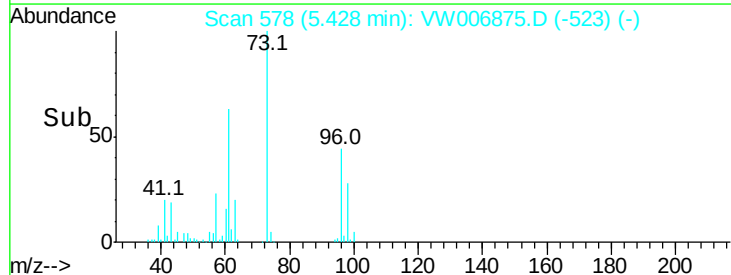
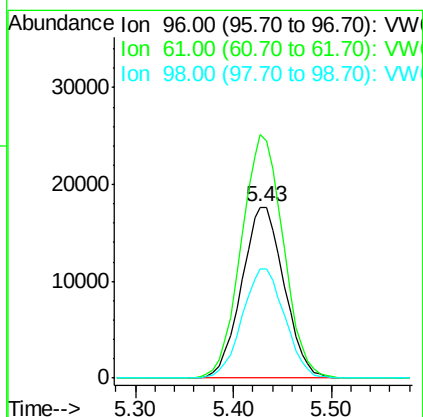
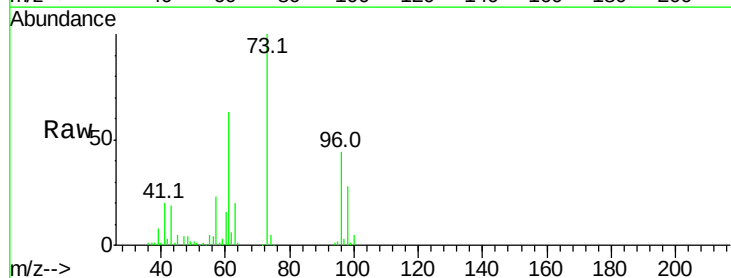
Instrument :
MSVOA_W
ClientSampled :
VSTD02583

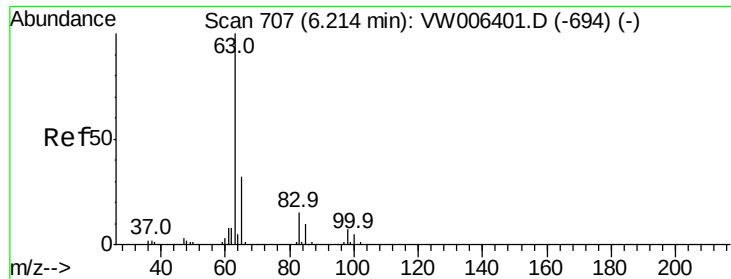
Tgt Ion: 73 Resp: 138628
Ion Ratio Lower Upper
73 100
43 19.5 17.0 25.4
57 22.3 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 24.623 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

Tgt Ion: 96 Resp: 53088
Ion Ratio Lower Upper
96 100
61 142.3 89.0 165.2
98 63.8 42.4 78.6

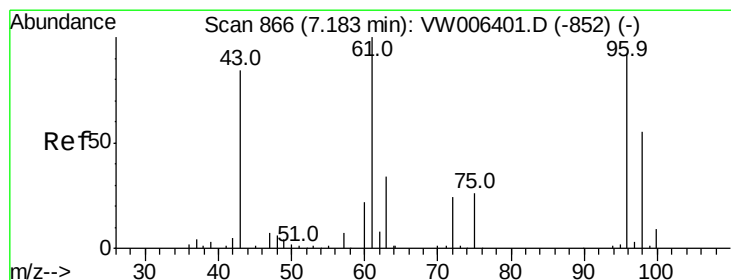
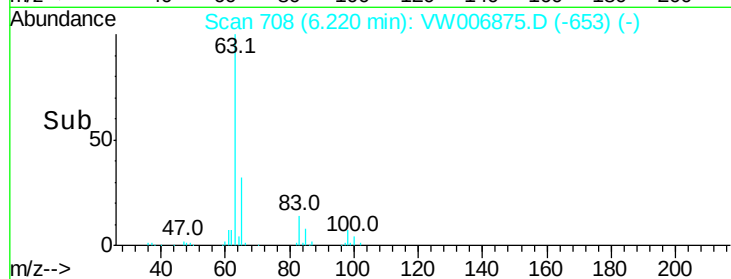
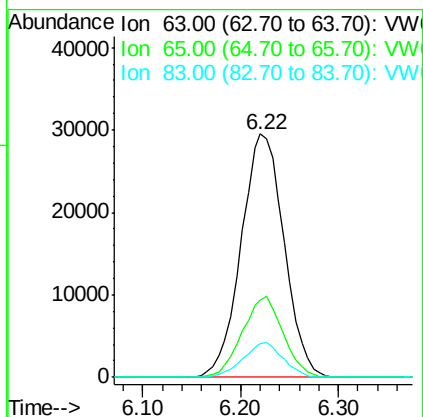
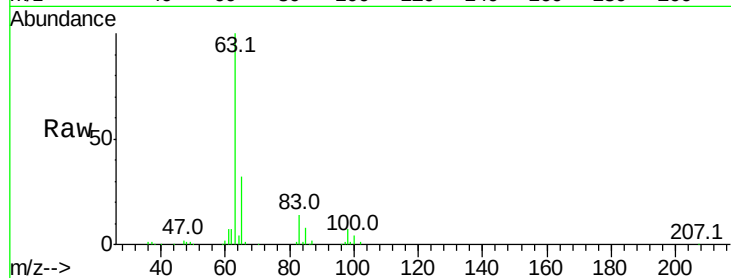




#19
 1,1-Dichloroethane
 Concen: 25.900 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW006875.D
 Acq: 14 Nov 2018 14:12

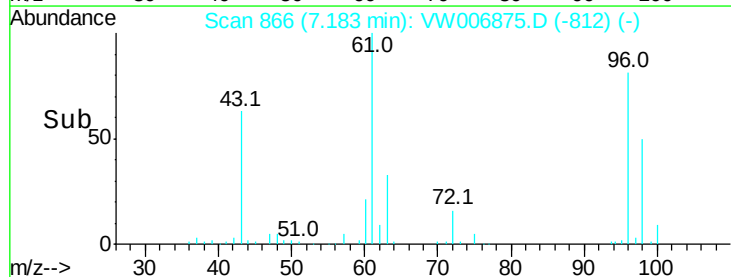
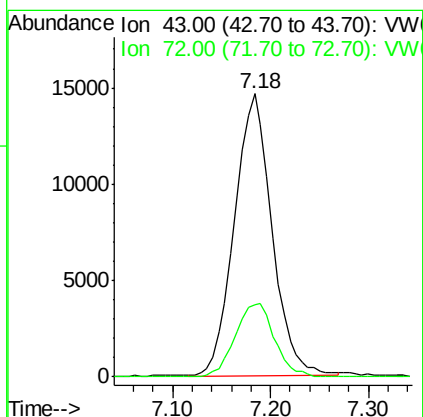
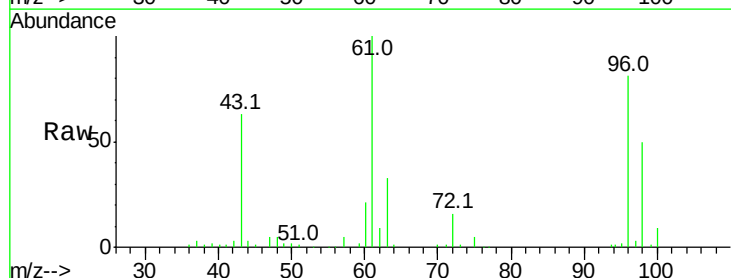
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

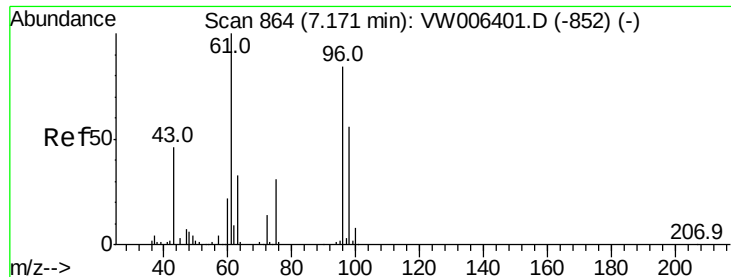
Tgt Ion: 63 Resp: 90365
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.3 41.5
 83 13.6 9.7 18.1



#21
 2-Butanone
 Concen: 45.898 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW006875.D
 Acq: 14 Nov 2018 14:12

Tgt Ion: 43 Resp: 39066
 Ion Ratio Lower Upper
 43 100
 72 27.0 13.8 41.4



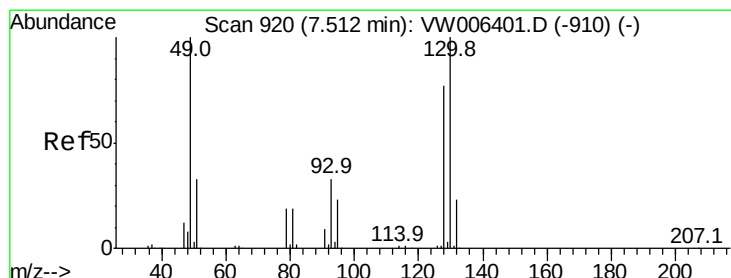
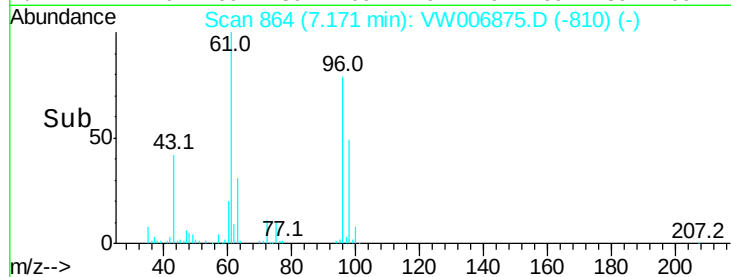
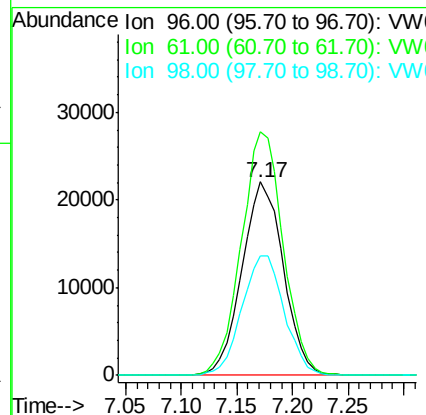
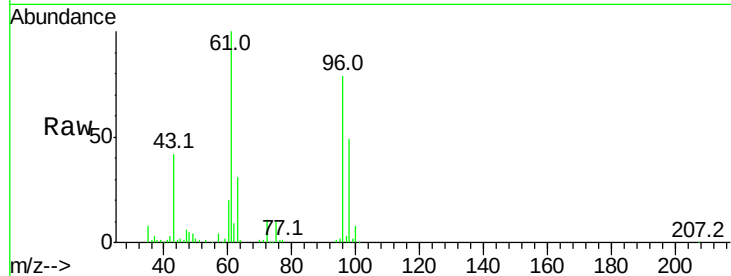


#22

cis-1,2-Dichloroethene
Concen: 24.321 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

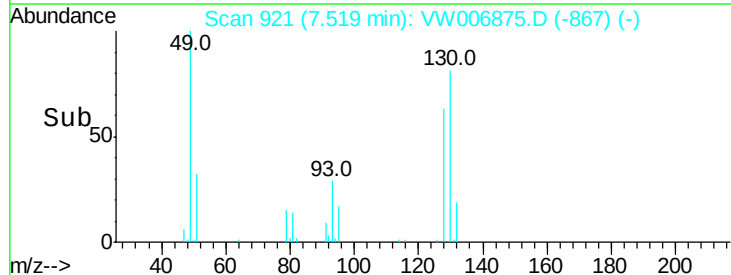
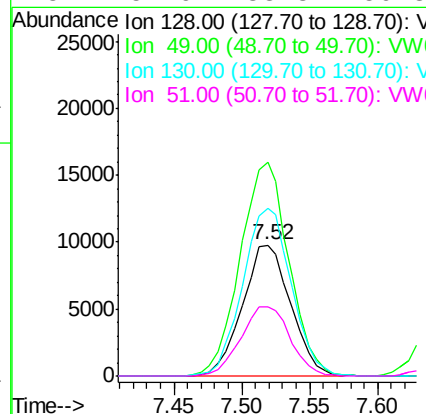
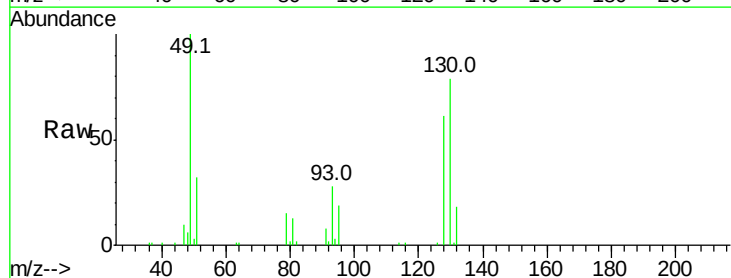
Tgt Ion: 96 Resp: 57197
Ion Ratio Lower Upper
96 100
61 125.9 85.1 158.1
98 61.6 46.3 86.1

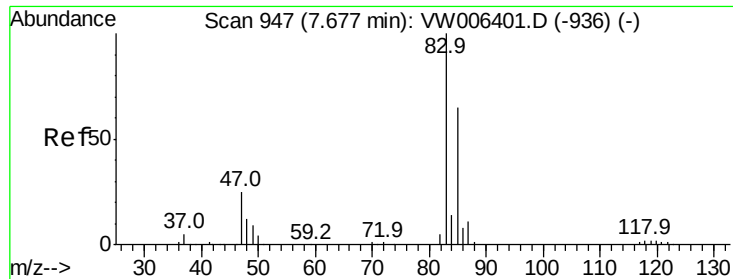


#23

Bromochloromethane
Concen: 21.883 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

Tgt Ion: 128 Resp: 24206
Ion Ratio Lower Upper
128 100
49 162.9 95.2 176.8
130 128.2 86.3 160.3
51 52.9 33.8 50.8#

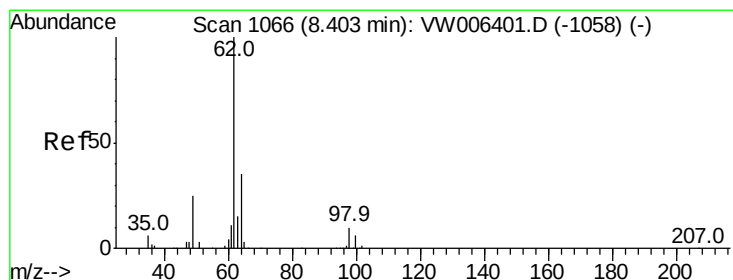
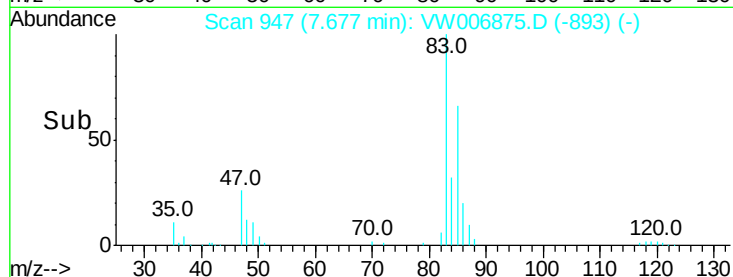
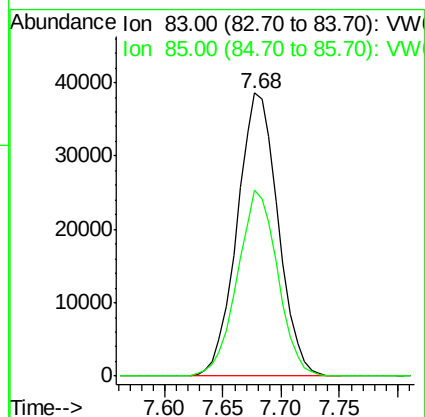
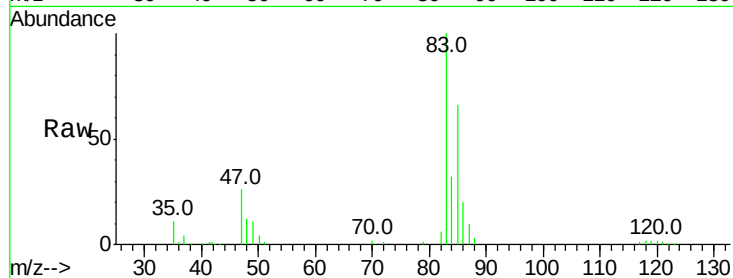




#25
Chloroform
Concen: 25.071 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

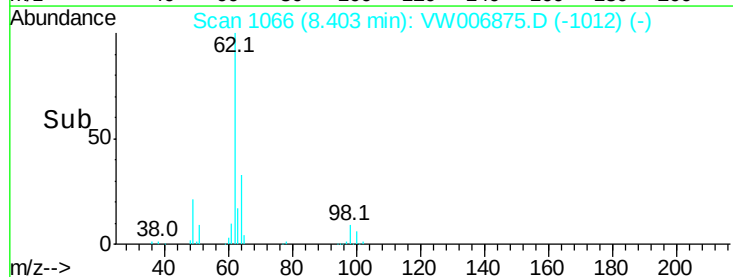
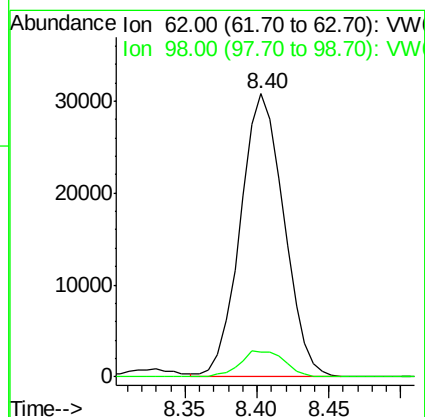
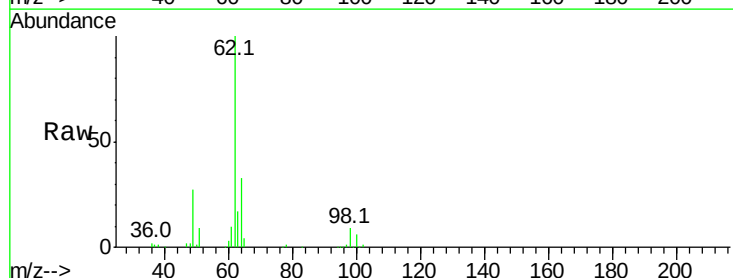
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

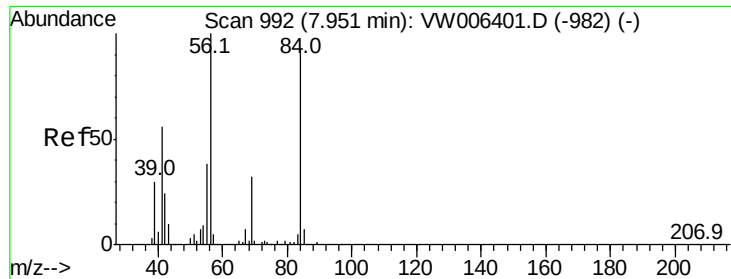
Tgt Ion: 83 Resp: 94157
Ion Ratio Lower Upper
83 100
85 64.8 46.3 85.9



#27
1,2-Dichloroethane
Concen: 25.164 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

Tgt Ion: 62 Resp: 64419
Ion Ratio Lower Upper
62 100
98 8.7 8.0 12.0

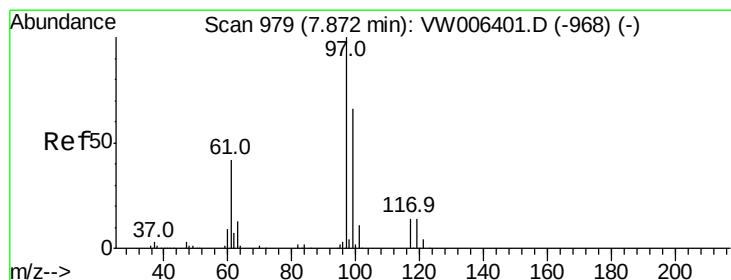
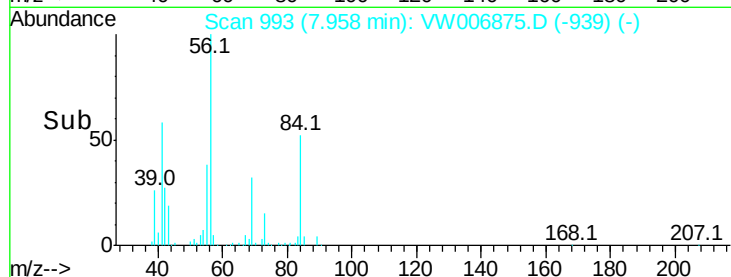
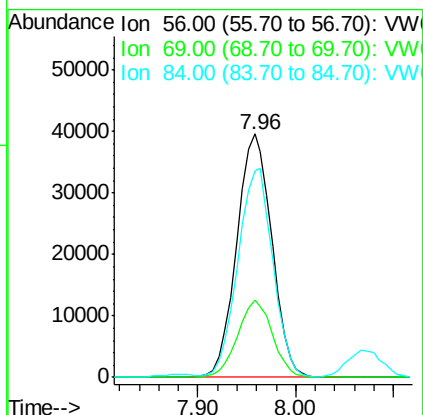
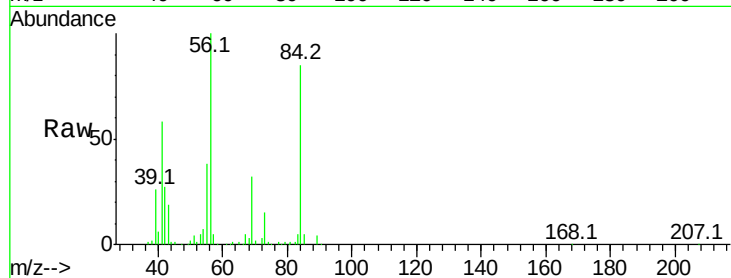




#30
Cyclohexane
Concen: 27.457 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

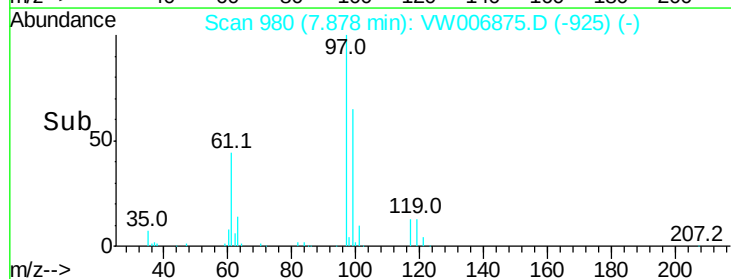
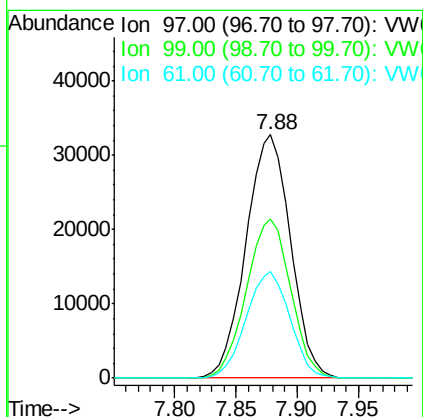
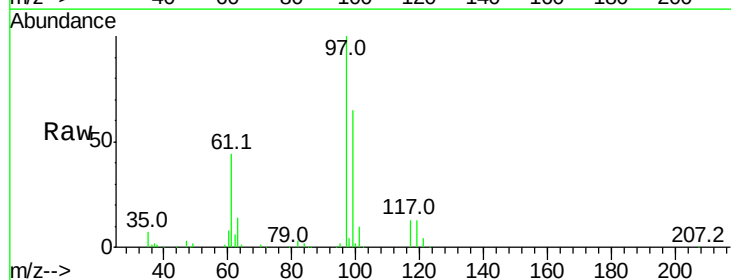
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

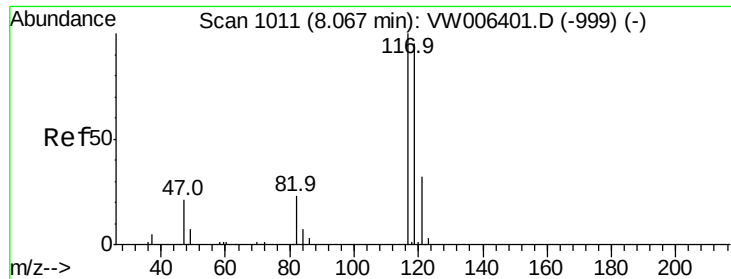
Tgt Ion: 56 Resp: 98519
Ion Ratio Lower Upper
56 100
69 31.4 25.4 38.0
84 85.9 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 24.333 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

Tgt Ion: 97 Resp: 83124
Ion Ratio Lower Upper
97 100
99 65.2 51.0 76.4
61 43.1 33.6 50.4





#32

Carbon tetrachloride

Concen: 21.823 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

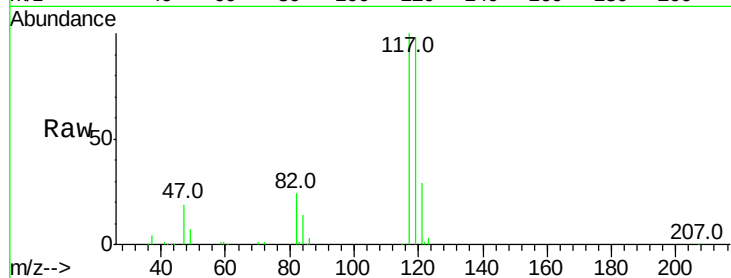
VSTD02583

Tgt Ion:117 Resp: 73111

Ion Ratio Lower Upper

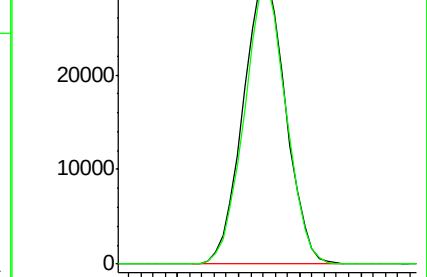
117 100

119 96.0 76.9 115.3

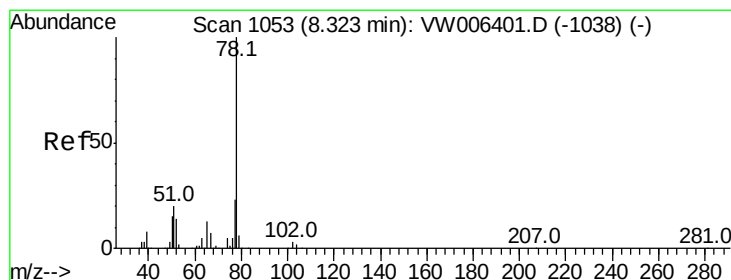
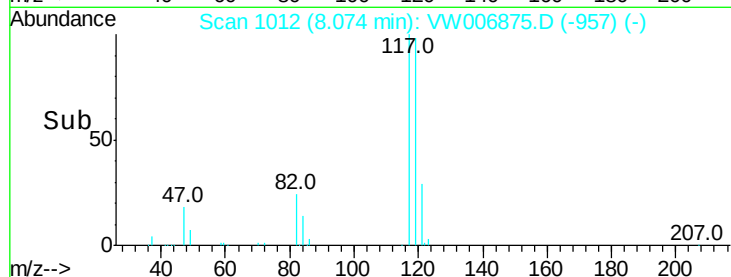


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 26.353 ug/L

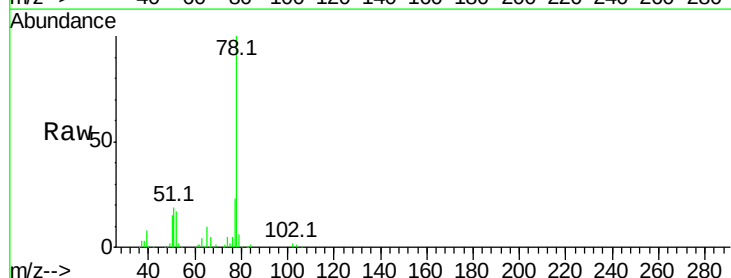
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

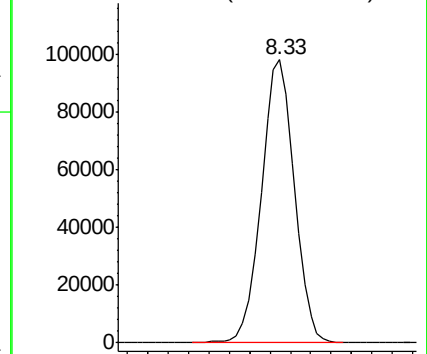
Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

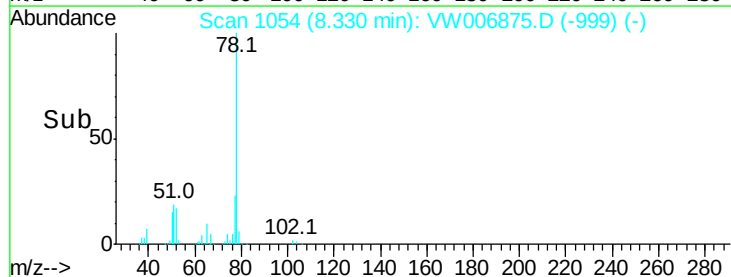
Tgt Ion: 78 Resp: 220851

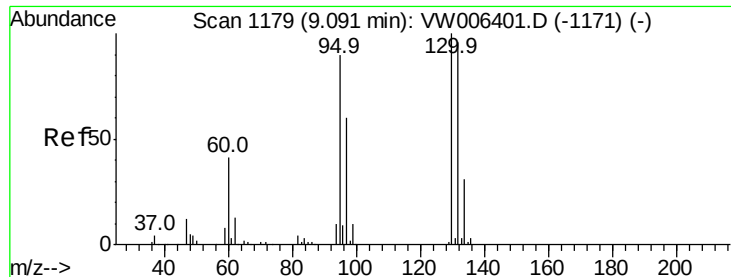


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 24.848 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion: 95 Resp: 58591

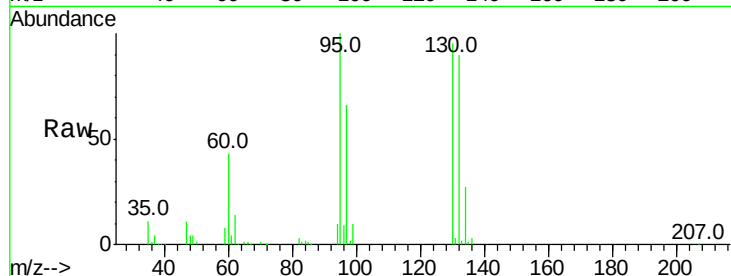
Ion Ratio Lower Upper

95 100

97 64.5 45.8 85.0

132 93.8 72.9 135.3

130 98.2 75.8 140.8

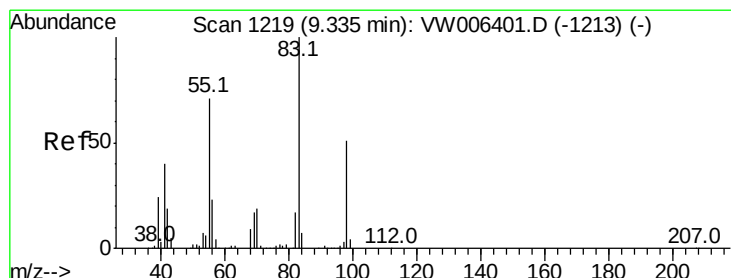
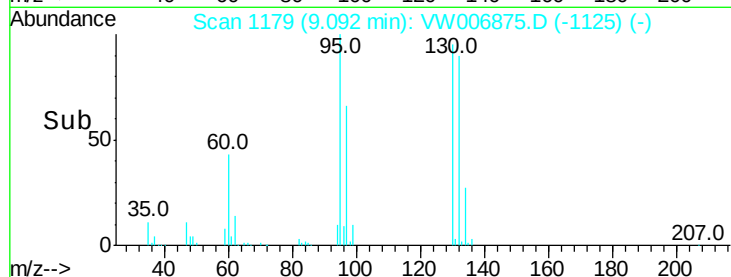
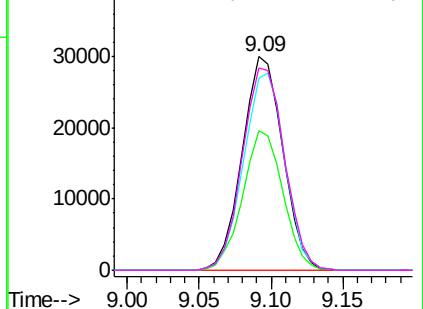


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.372 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

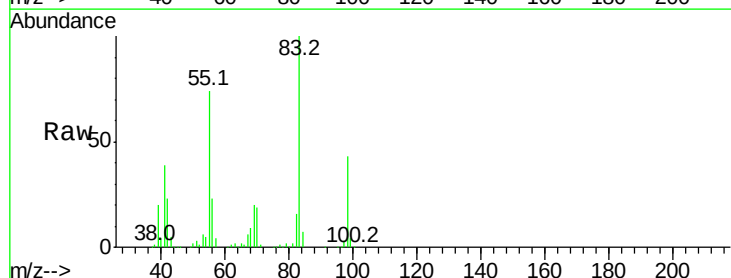
Tgt Ion: 83 Resp: 109616

Ion Ratio Lower Upper

83 100

55 75.2 57.1 85.7

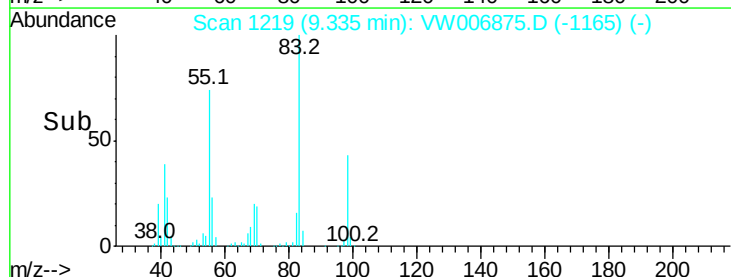
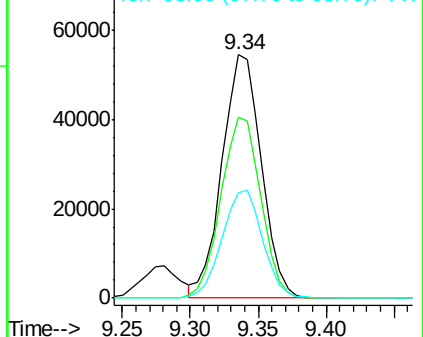
98 45.6 38.9 58.3

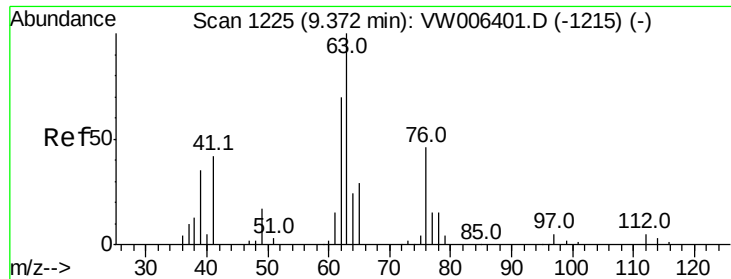


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

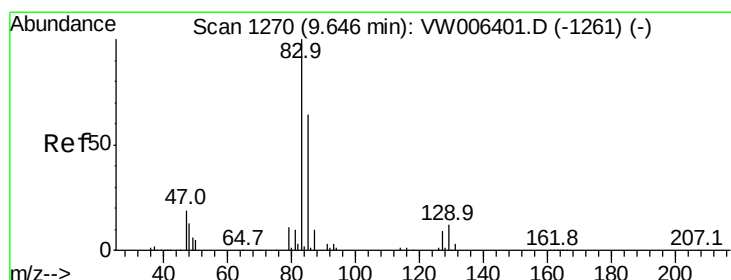
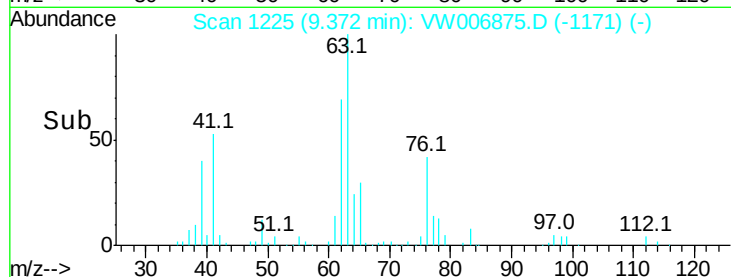
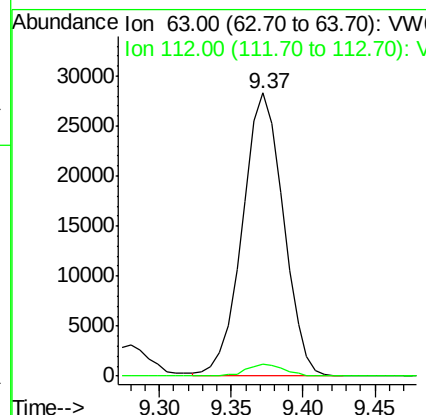
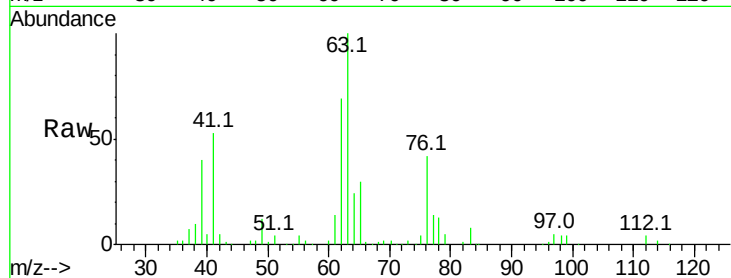




#40
 1,2-Dichloropropane
 Concen: 26.884 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006875.D
 Acq: 14 Nov 2018 14:12

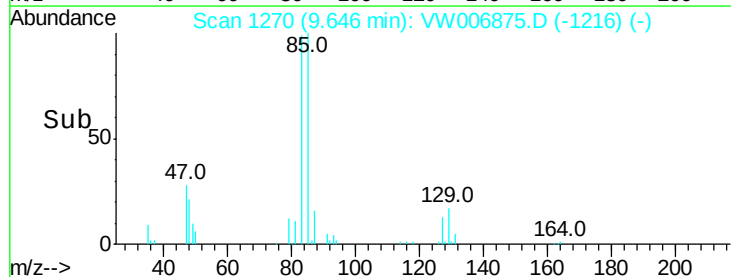
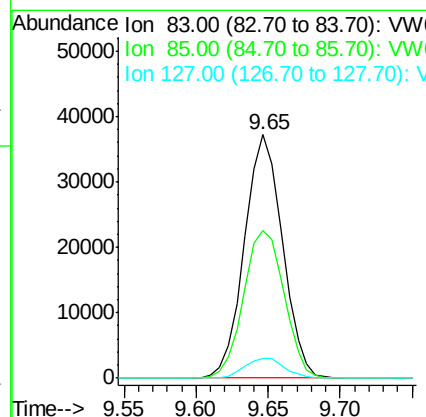
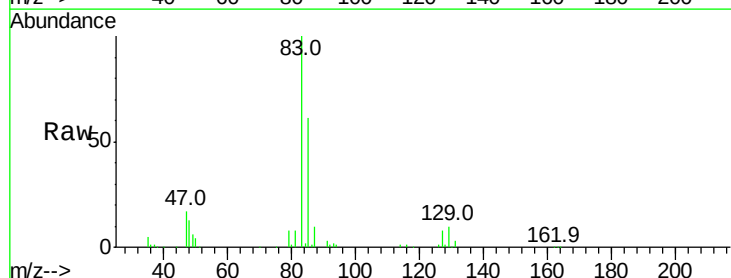
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

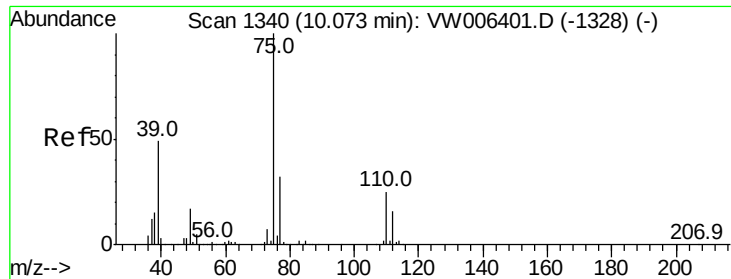
Tgt Ion: 63 Resp: 55890
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.5 5.3



#41
 Bromodichloromethane
 Concen: 24.326 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006875.D
 Acq: 14 Nov 2018 14:12

Tgt Ion: 83 Resp: 68292
 Ion Ratio Lower Upper
 83 100
 85 60.5 45.5 84.5
 127 8.1 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 25.797 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampled :

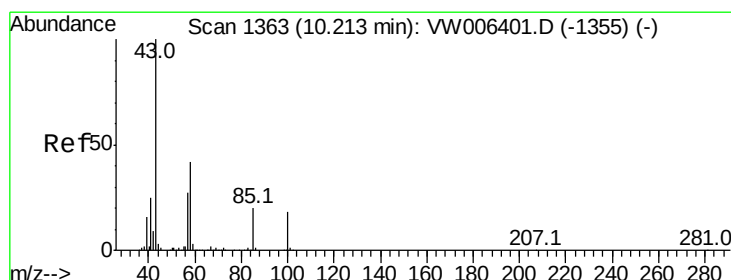
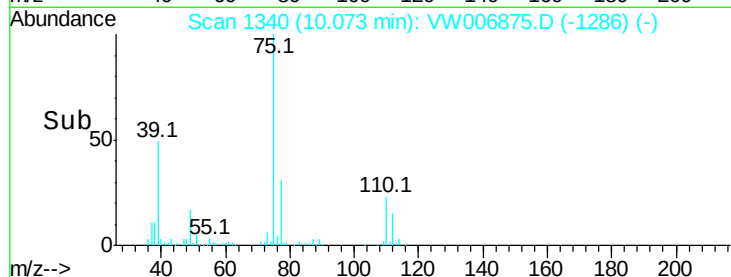
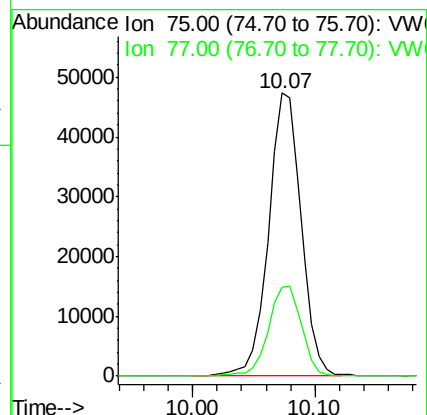
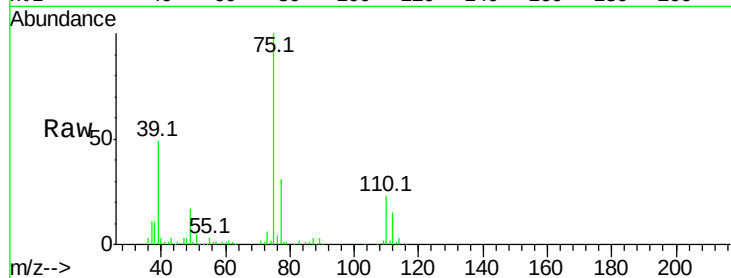
VSTD02583

Tgt Ion: 75 Resp: 87598

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 50.876 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

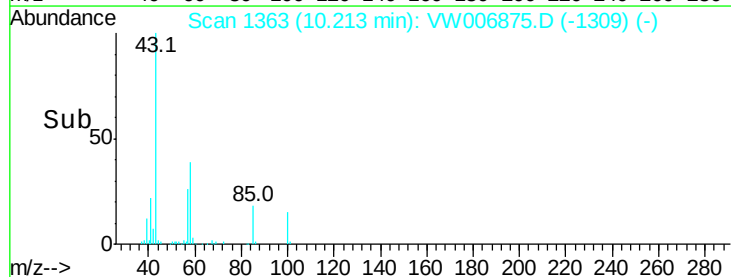
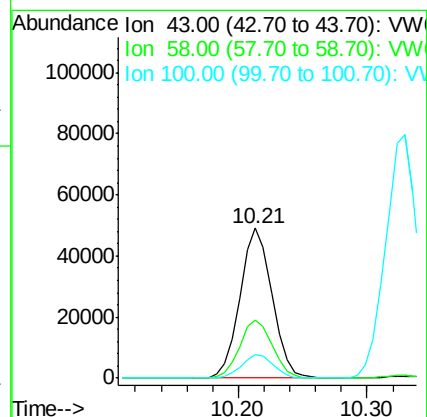
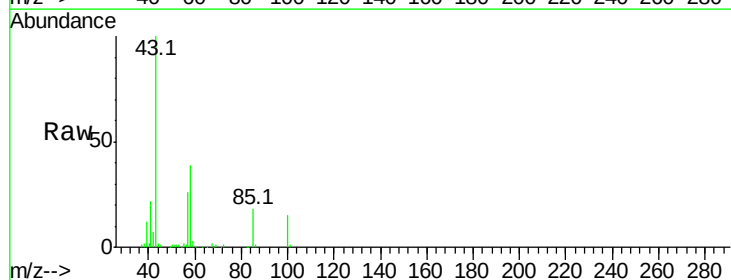
Tgt Ion: 43 Resp: 84753

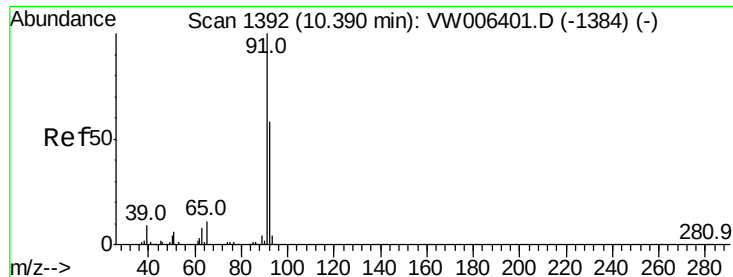
Ion Ratio Lower Upper

43 100

58 39.5 31.4 47.2

100 15.4 13.3 19.9





#44

Toluene

Concen: 27.399 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

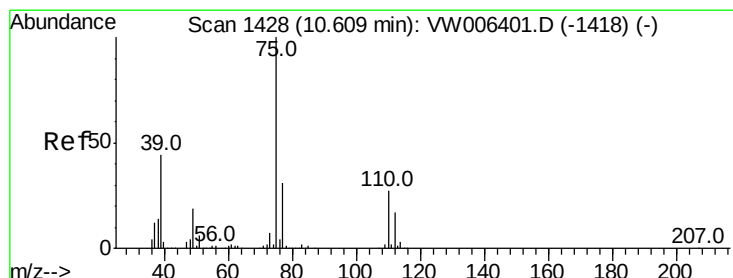
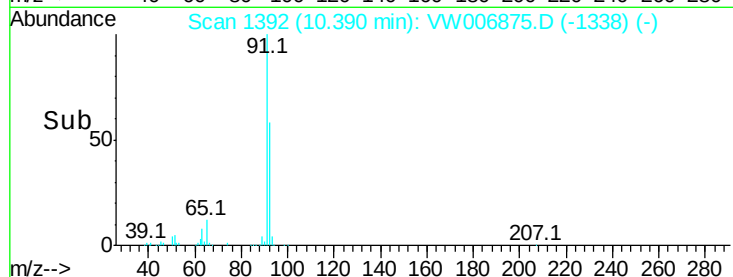
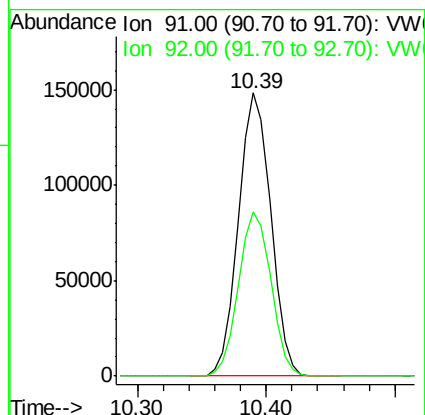
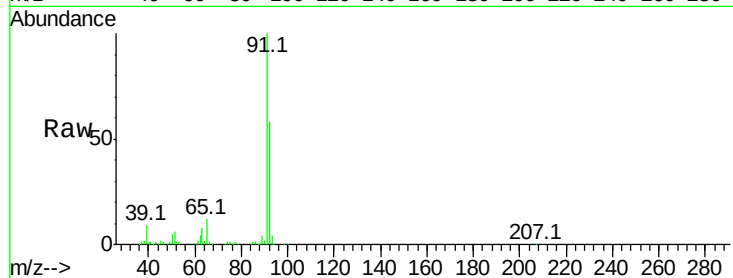
VSTD02583

Tgt Ion: 91 Resp: 257829

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 25.488 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006875.D

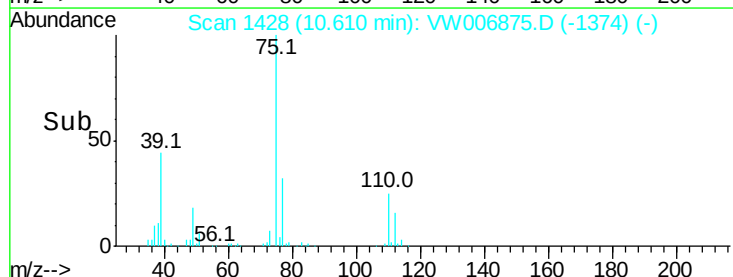
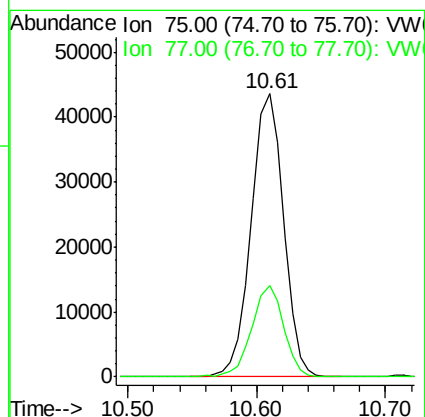
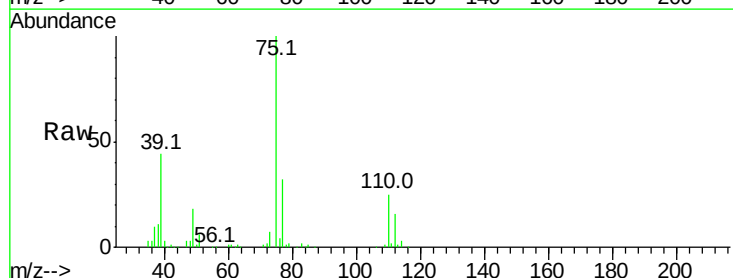
Acq: 14 Nov 2018 14:12

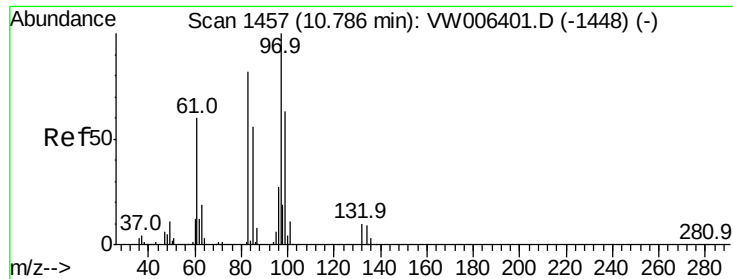
Tgt Ion: 75 Resp: 75598

Ion Ratio Lower Upper

75 100

77 32.4 22.4 41.6

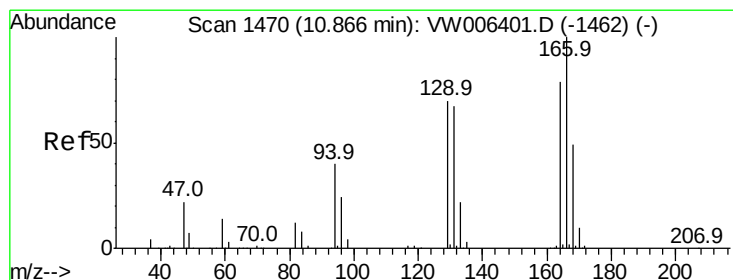
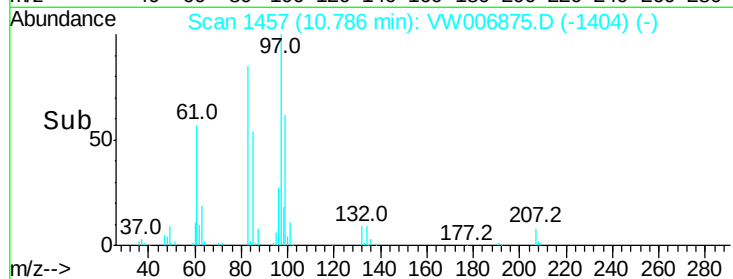
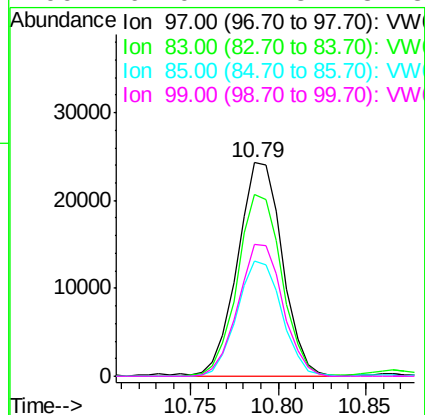
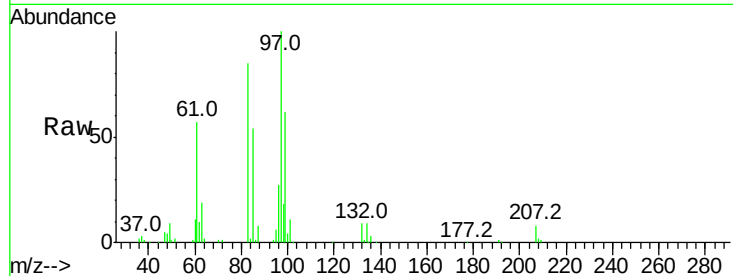




#46
 1,1,2-Trichloroethane
 Concen: 25.115 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006875.D
 Acq: 14 Nov 2018 14:12

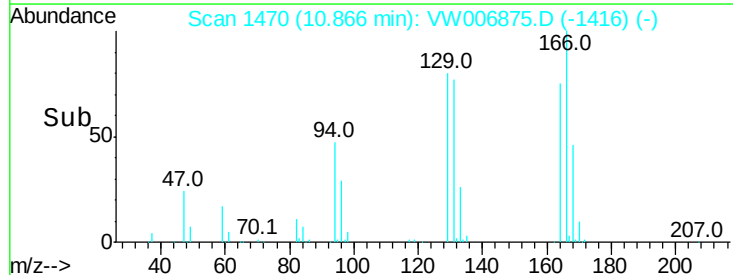
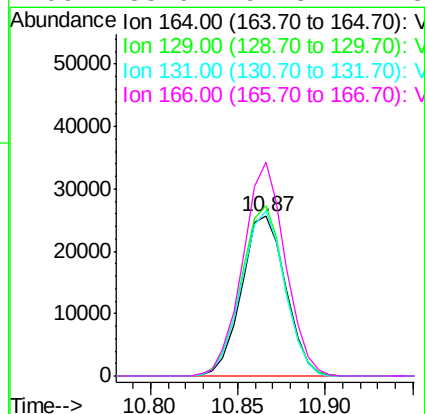
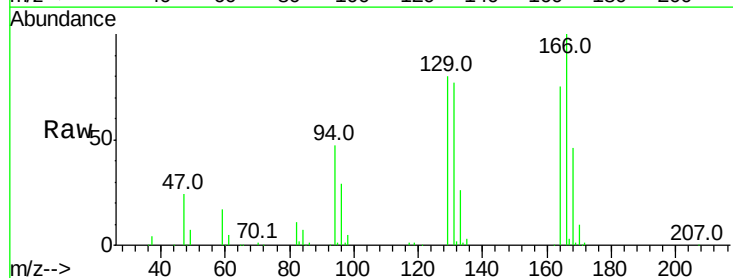
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

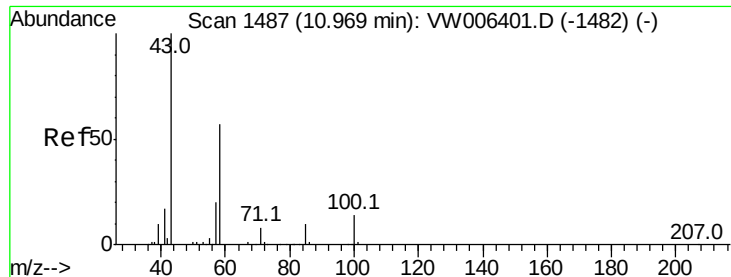
Tgt Ion:	97	Resp:	43479
Ion	Ratio	Lower	Upper
97	100		
83	85.2	60.0	111.4
85	53.9	38.7	71.9
99	62.0	44.3	82.3



#47
 Tetrachloroethene
 Concen: 20.577 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW006875.D
 Acq: 14 Nov 2018 14:12

Tgt Ion:	164	Resp:	44913
Ion	Ratio	Lower	Upper
164	100		
129	107.1	65.4	121.4
131	103.6	63.8	118.4
166	133.9	92.3	171.3

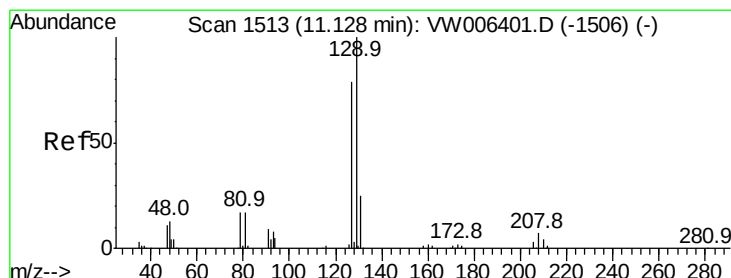
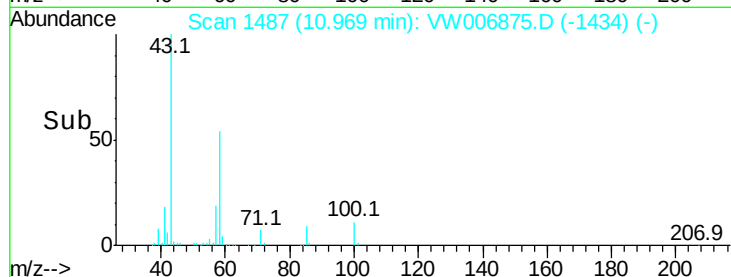
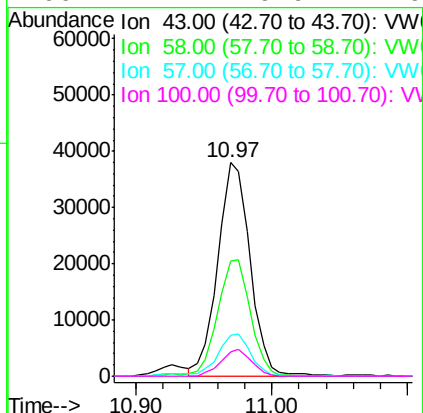
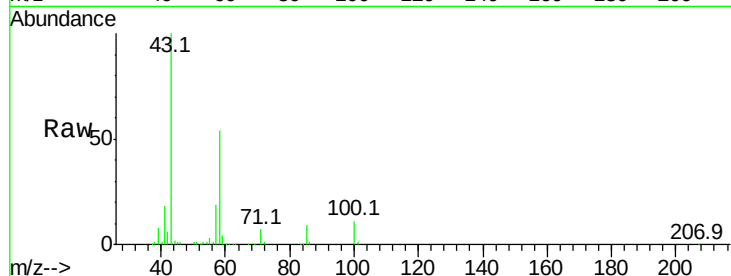




#49
2-Hexanone
Concen: 50.882 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

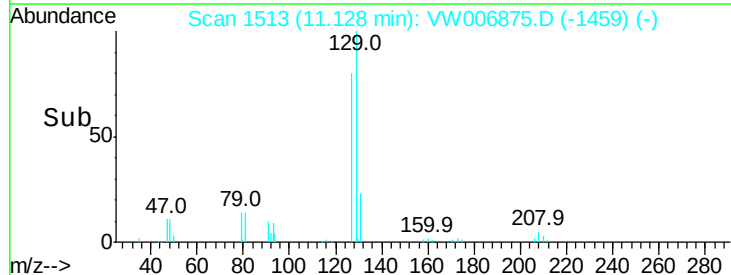
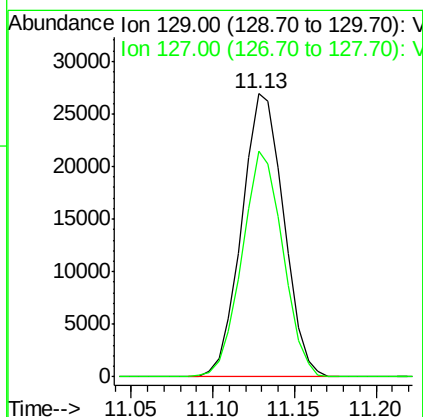
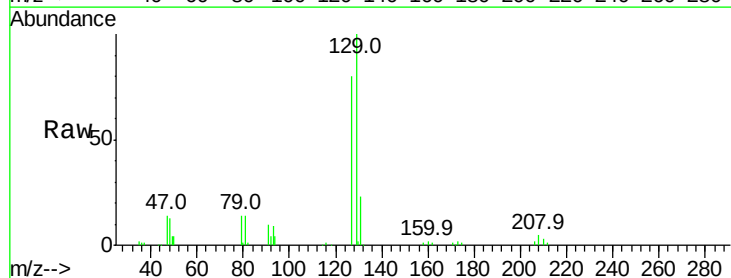
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

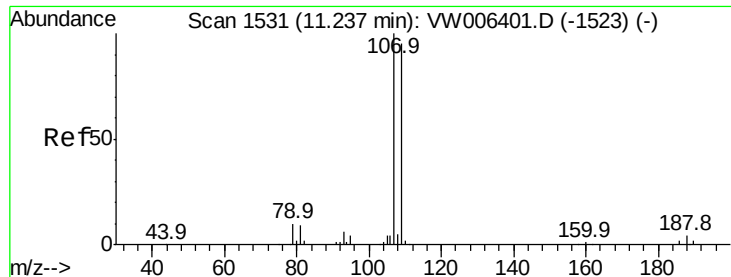
Tgt Ion: 43 Resp: 62469
Ion Ratio Lower Upper
43 100
58 55.8 42.1 63.1
57 20.0 15.1 22.7
100 12.1 9.9 14.9



#50
Dibromochloromethane
Concen: 21.775 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

Tgt Ion: 129 Resp: 48319
Ion Ratio Lower Upper
129 100
127 79.6 54.4 101.0





#51

1,2-Dibromoethane

Concen: 23.455 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

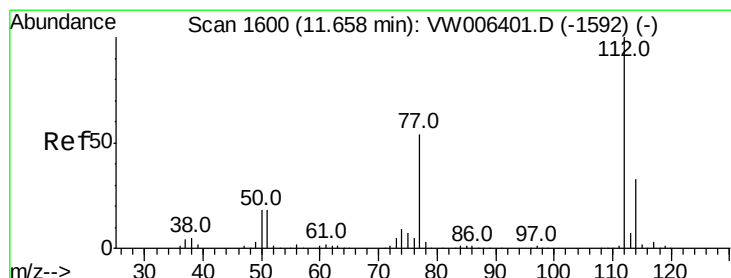
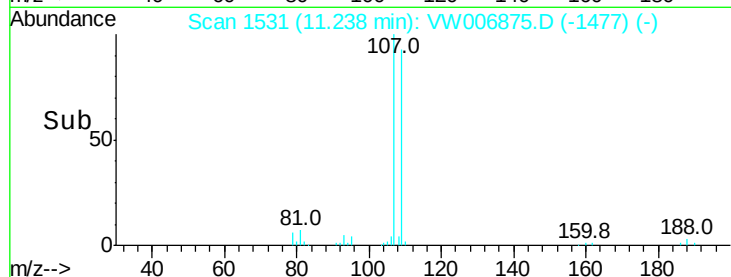
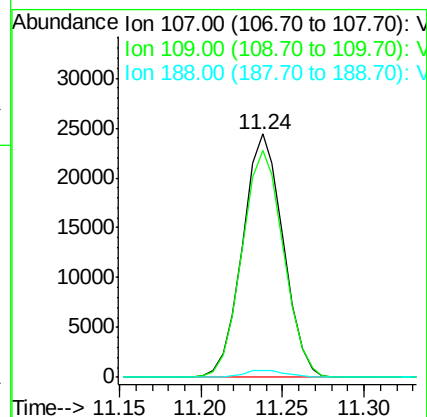
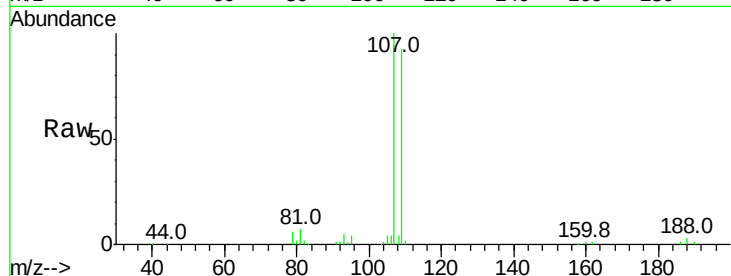
Tgt Ion:107 Resp: 42268

Ion Ratio Lower Upper

107 100

109 93.4 66.6 123.8

188 3.0 3.4 5.0#



#52

Chlorobenzene

Concen: 26.091 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

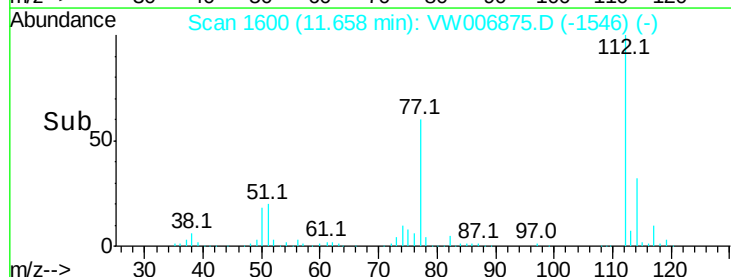
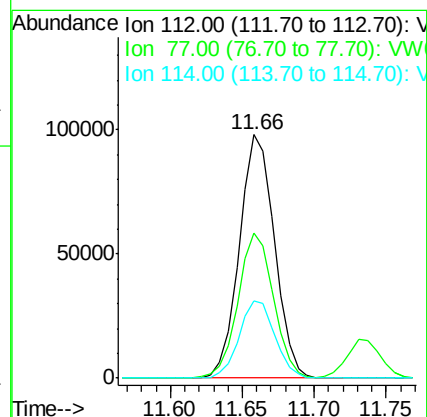
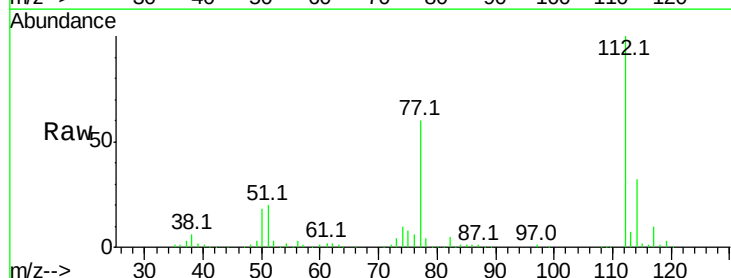
Tgt Ion:112 Resp: 166152

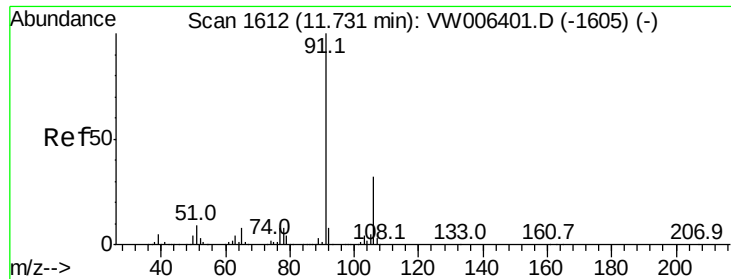
Ion Ratio Lower Upper

112 100

77 59.8 44.2 66.2

114 31.9 22.1 41.1

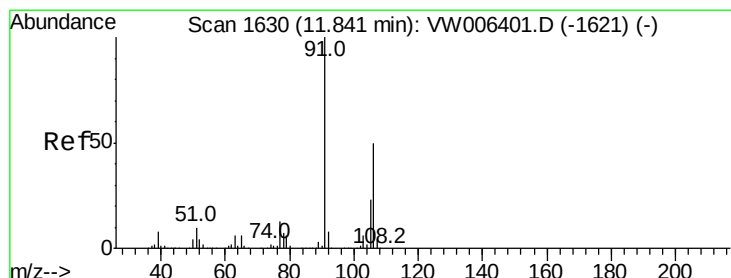
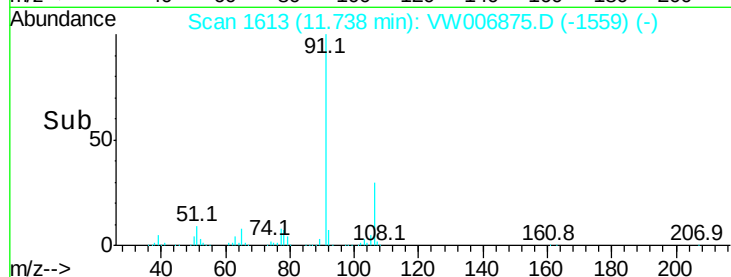
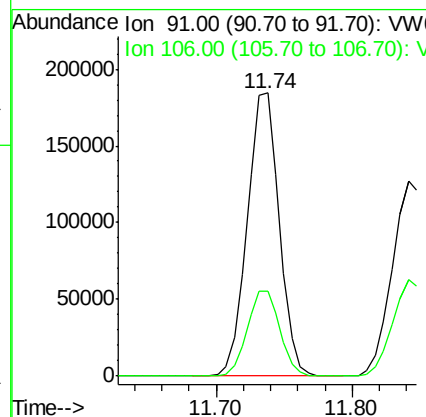
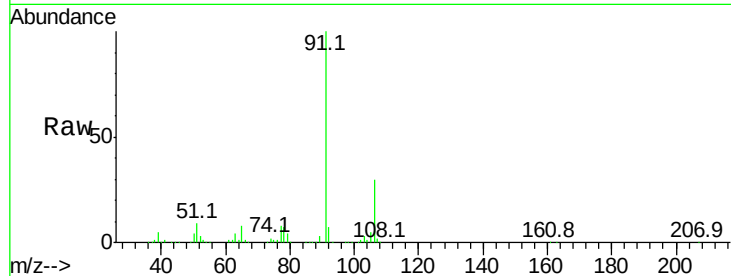




#53
Ethylbenzene
Concen: 27.678 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

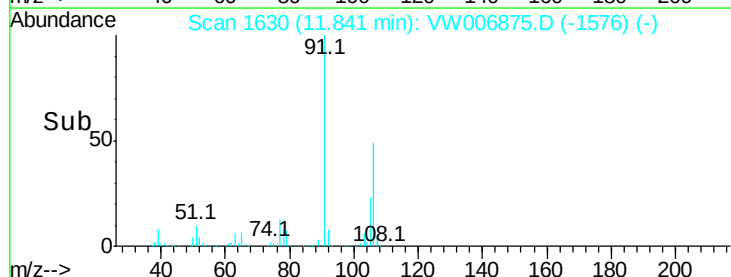
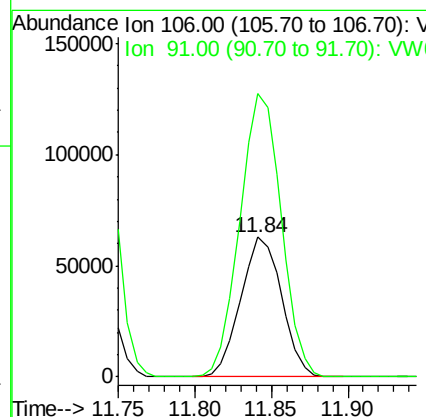
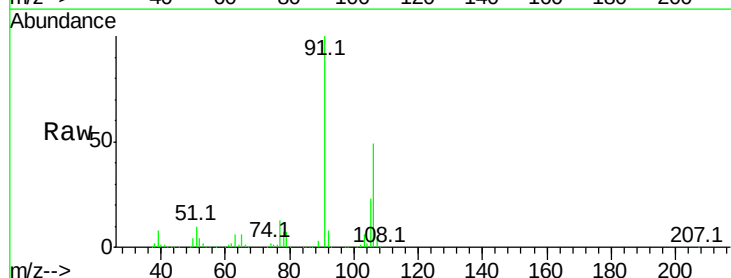
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

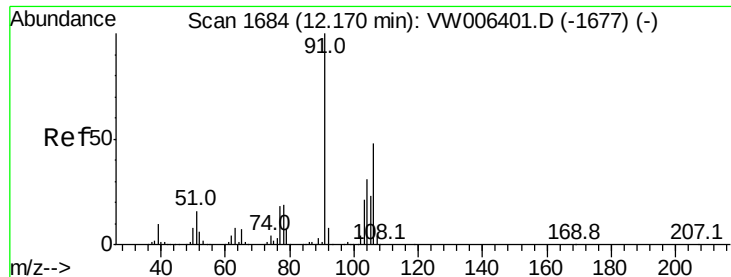
Tgt Ion: 91 Resp: 303219
Ion Ratio Lower Upper
91 100
106 30.1 22.6 42.0



#54
m,p-Xylene
Concen: 27.350 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

Tgt Ion: 106 Resp: 117444
Ion Ratio Lower Upper
106 100
91 202.2 138.4 257.0

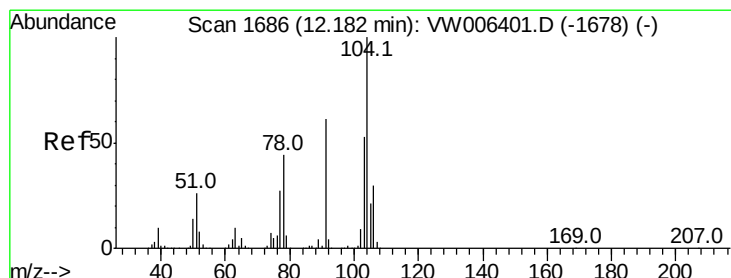
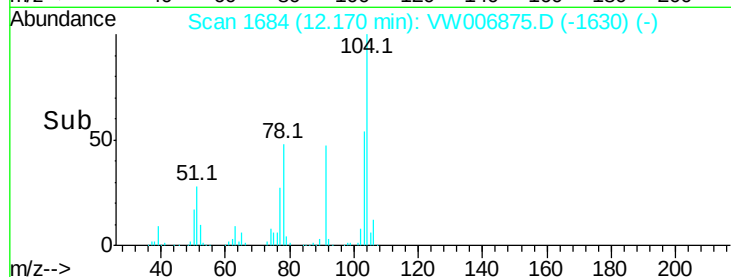
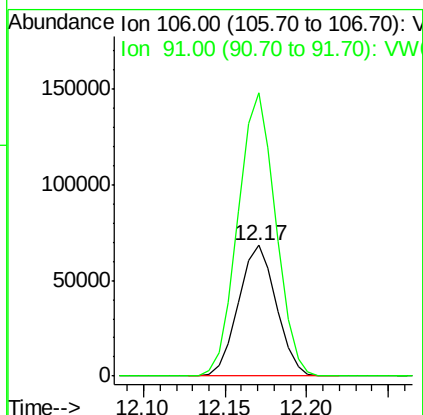
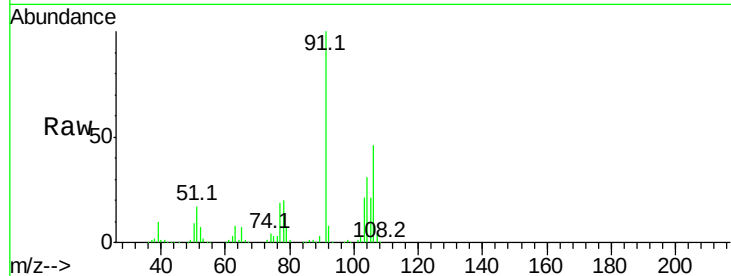




#55
o-xylene
Concen: 27.064 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

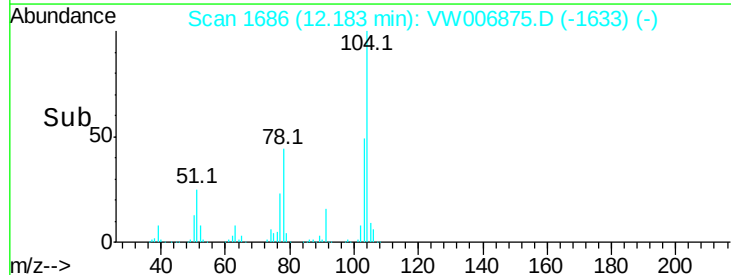
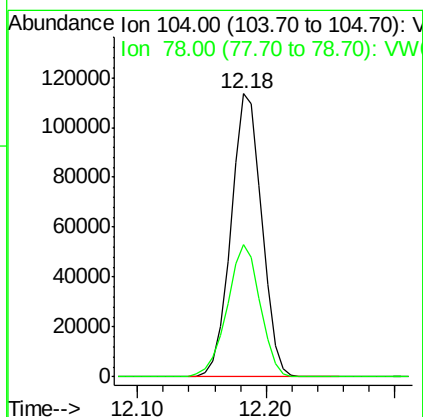
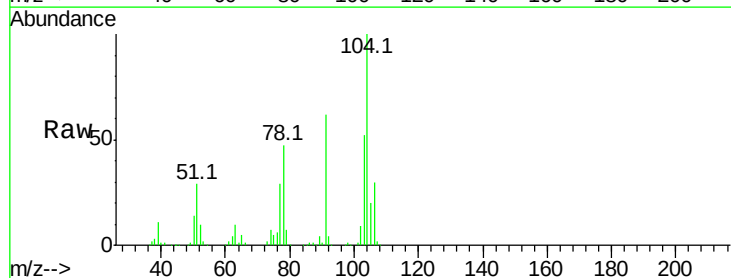
Instrument :
MSVOA_W
ClientSampled :
VSTD02583

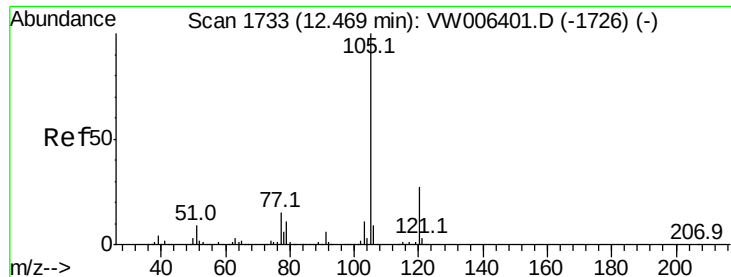
Tgt Ion:106 Resp: 110968
Ion Ratio Lower Upper
106 100
91 216.2 148.7 276.1



#56
Styrene
Concen: 26.674 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

Tgt Ion:104 Resp: 188335
Ion Ratio Lower Upper
104 100
78 46.8 31.2 58.0





#57

Isopropylbenzene

Concen: 25.793 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

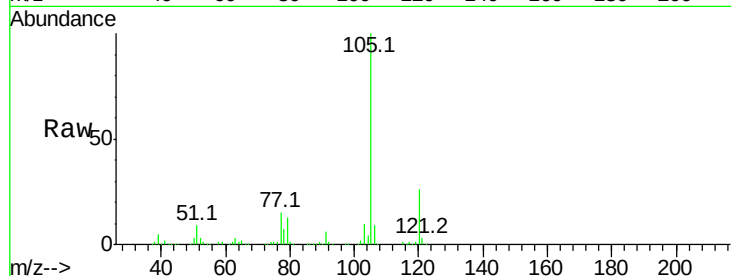
Tgt Ion: 105 Resp: 294262

Ion Ratio Lower Upper

105 100

120 25.9 21.8 32.6

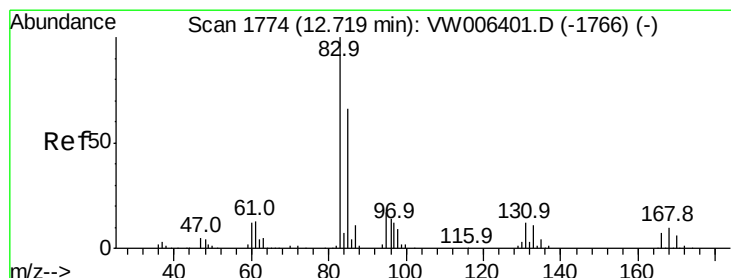
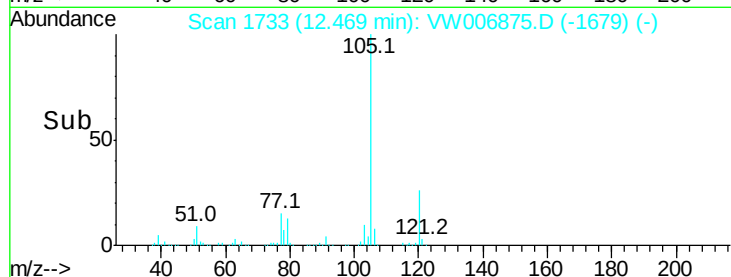
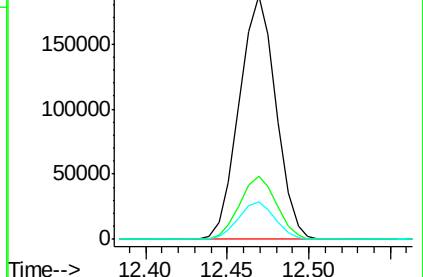
77 15.4 12.2 18.2



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: 24.737 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

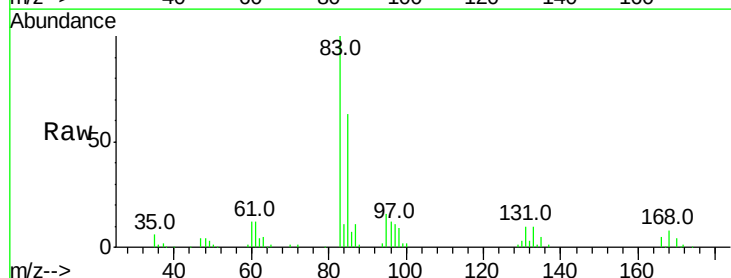
Tgt Ion: 83 Resp: 55652

Ion Ratio Lower Upper

83 100

85 63.5 44.8 83.2

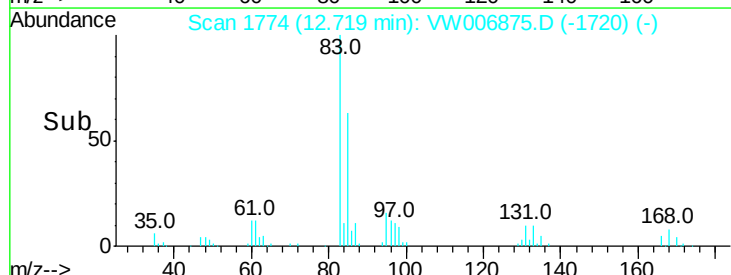
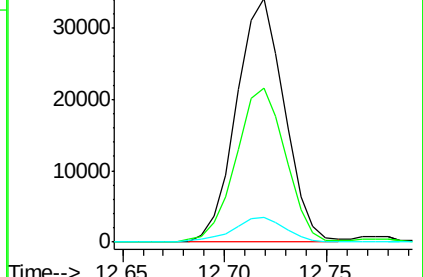
131 10.0 9.0 13.4

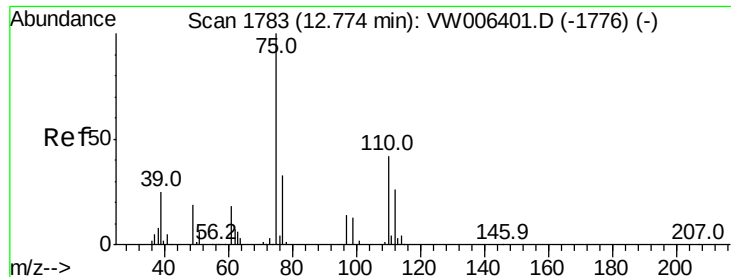


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.332 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

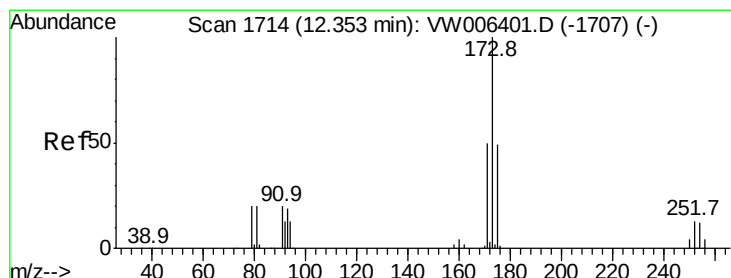
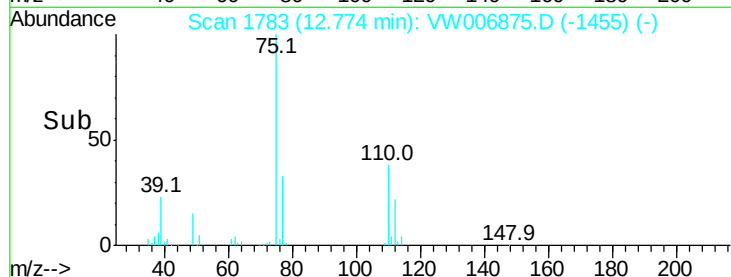
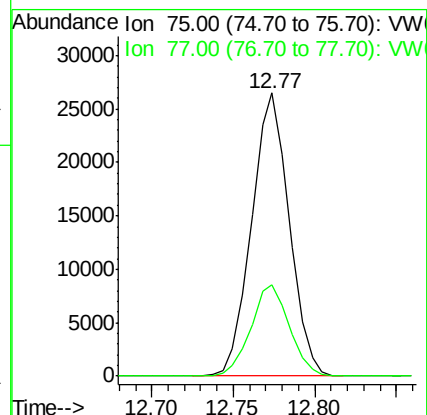
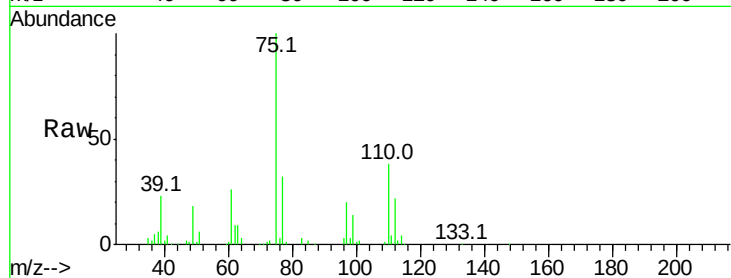
VSTD02583

Tgt Ion: 75 Resp: 42521

Ion Ratio Lower Upper

75 100

77 33.1 25.9 38.9



#62

Bromoform

Concen: 19.593 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

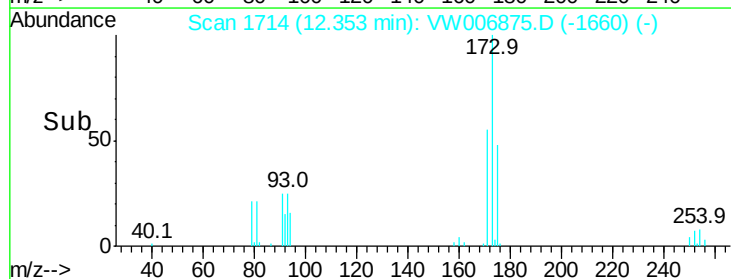
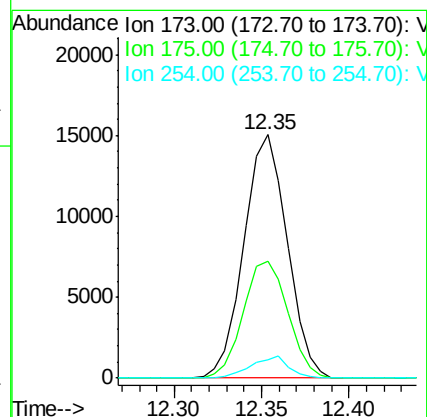
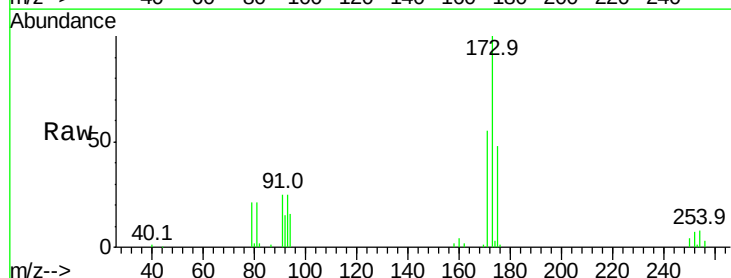
Tgt Ion: 173 Resp: 25932

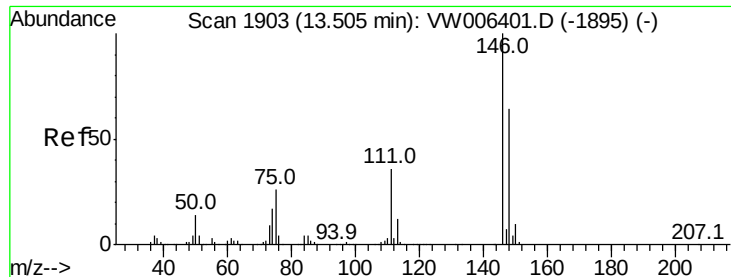
Ion Ratio Lower Upper

173 100

175 49.4 39.1 58.7

254 8.0 9.2 13.8#

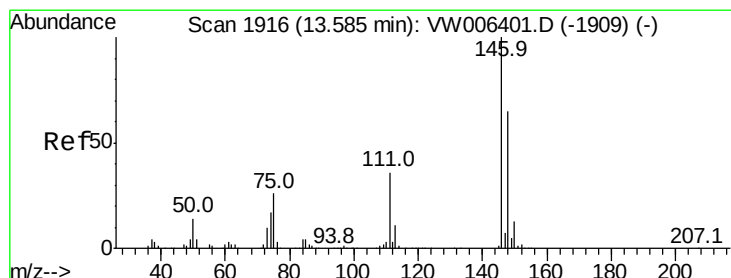
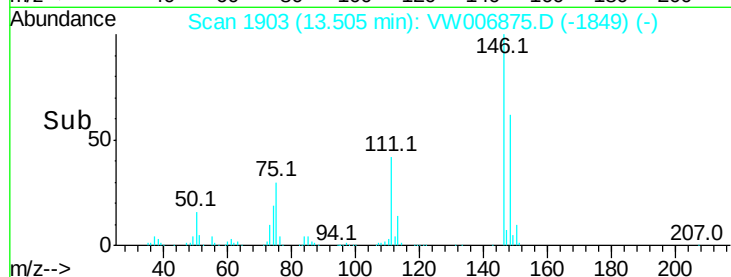
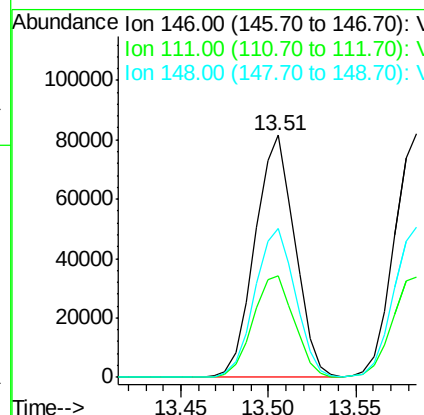
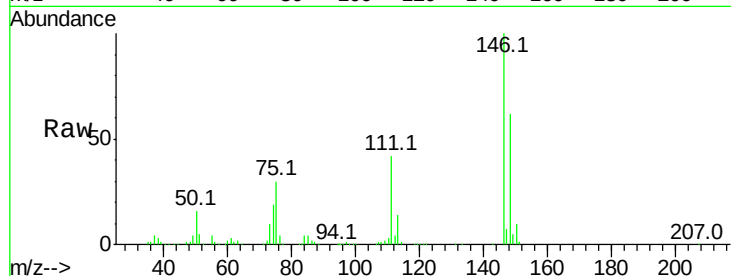




#63
 1,3-Dichlorobenzene
 Concen: 26.635 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006875.D
 Acq: 14 Nov 2018 14:12

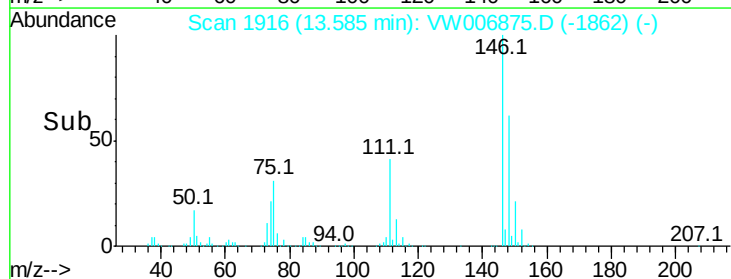
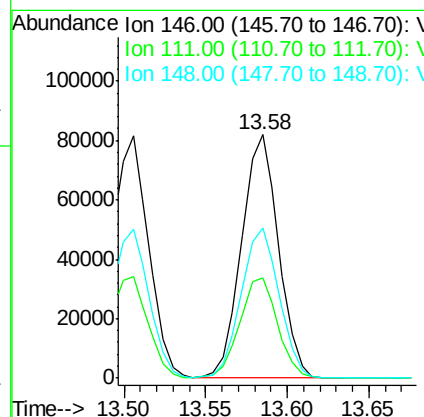
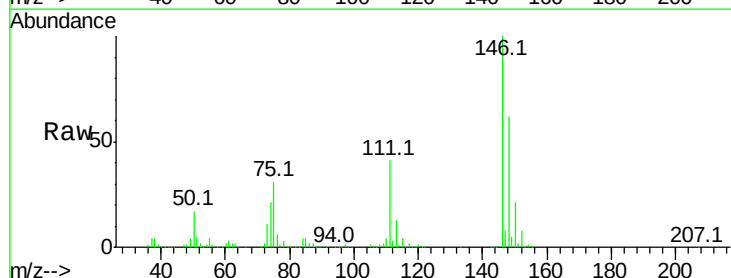
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02583

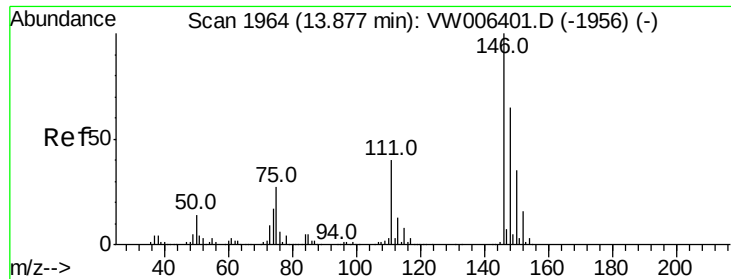
Tgt Ion:146 Resp: 129195
 Ion Ratio Lower Upper
 146 100
 111 41.8 26.3 48.9
 148 61.5 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 26.453 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006875.D
 Acq: 14 Nov 2018 14:12

Tgt Ion:146 Resp: 129213
 Ion Ratio Lower Upper
 146 100
 111 41.1 24.7 45.9
 148 61.7 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 26.261 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

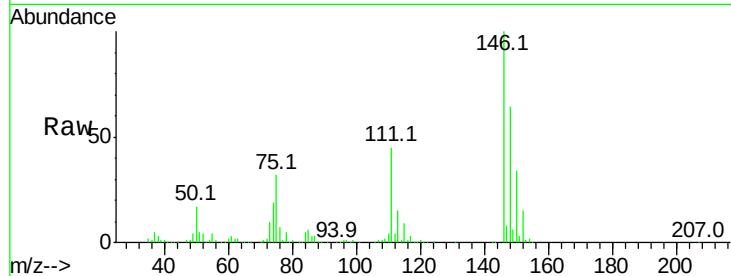
Tgt Ion:146 Resp: 117183

Ion Ratio Lower Upper

146 100

111 45.0 31.1 46.7

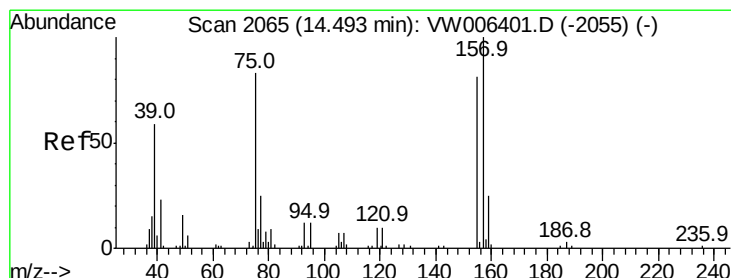
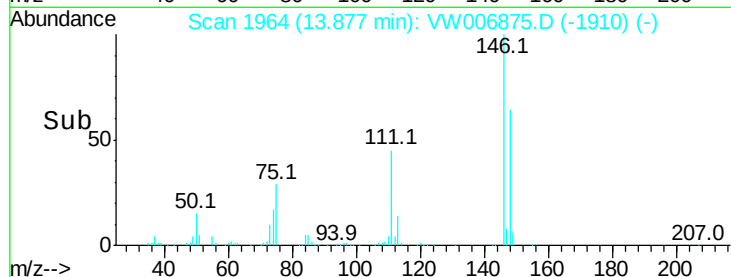
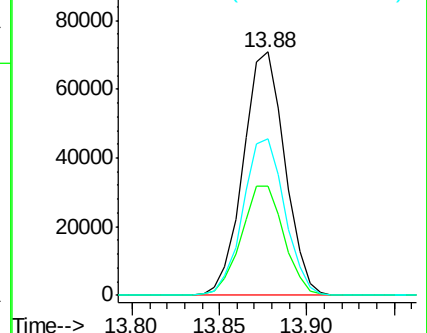
148 64.3 51.2 76.8



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: 28.142 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006875.D

Acq: 14 Nov 2018 14:12

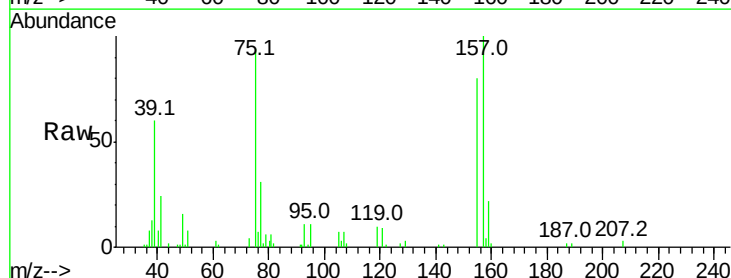
Tgt Ion: 75 Resp: 10108

Ion Ratio Lower Upper

75 100

157 106.3 106.8 160.2#

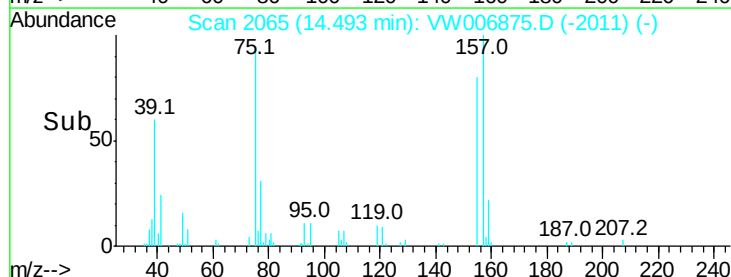
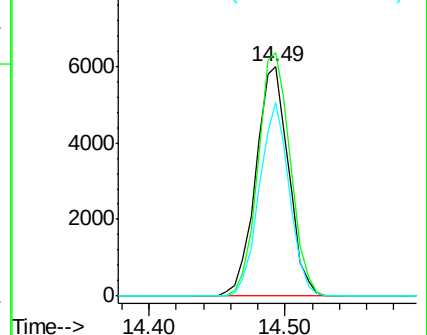
155 84.6 79.2 118.8

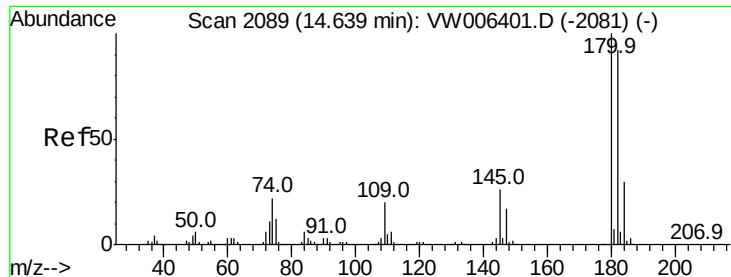


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

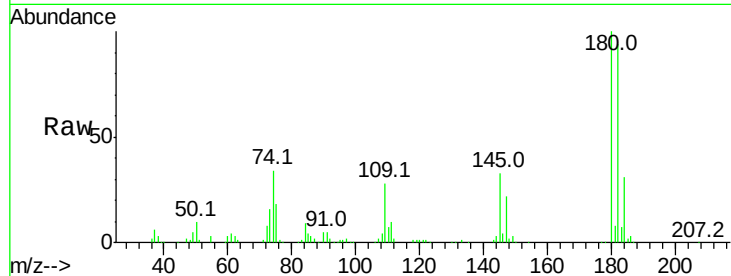




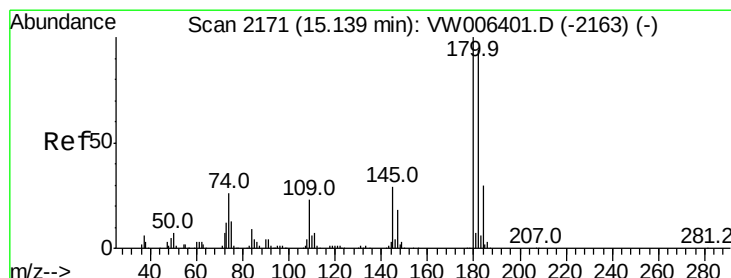
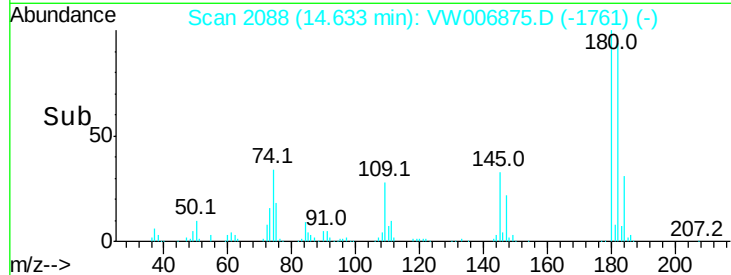
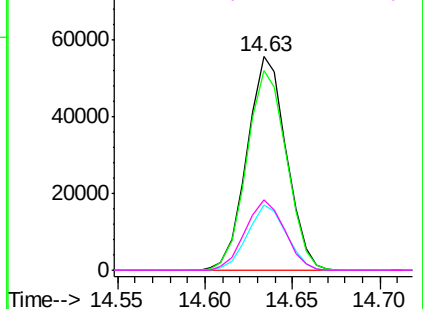
#67
 1,3,5-Trichlorobenzene
 Concen: 22.214 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW006875.D
 Acq: 14 Nov 2018 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

Tgt Ion:180 Resp: 86854
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.0 114.0
 184 30.3 24.3 36.5
 145 33.0 22.6 33.8

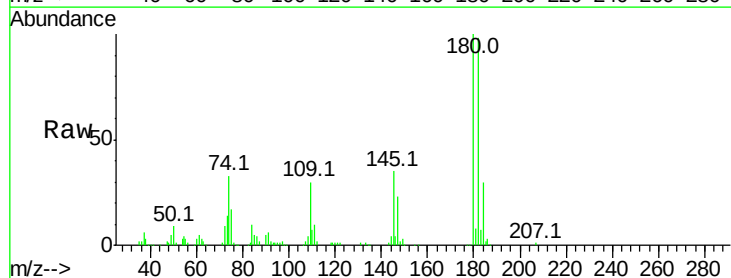


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

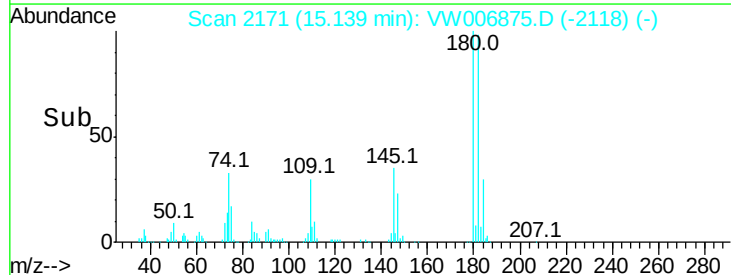
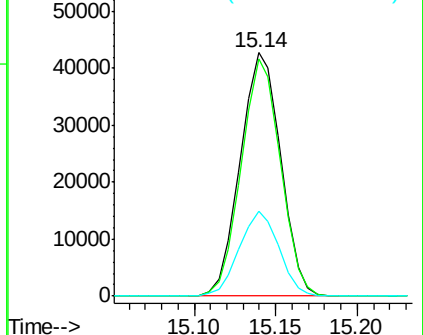


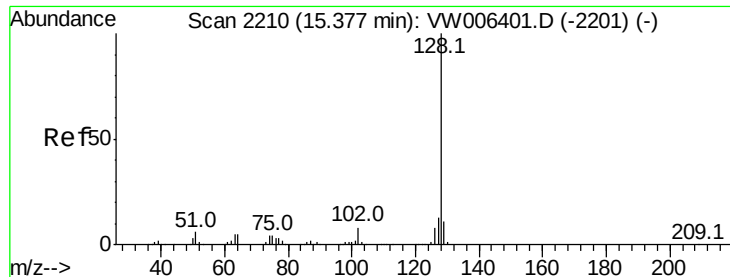
#68
 1,2,4-trichlorobenzene
 Concen: 22.201 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006875.D
 Acq: 14 Nov 2018 14:12

Tgt Ion:180 Resp: 74019
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.2 114.2
 145 34.3 23.0 34.6



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

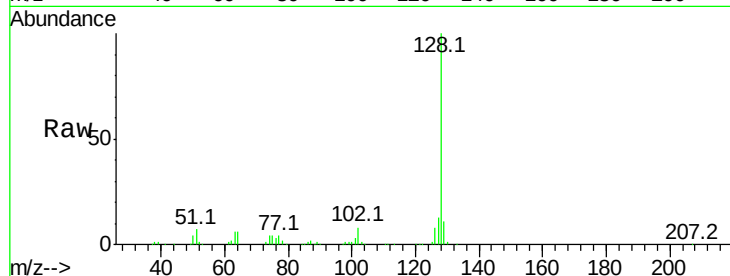




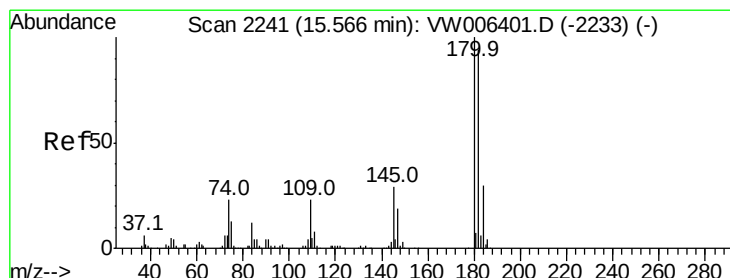
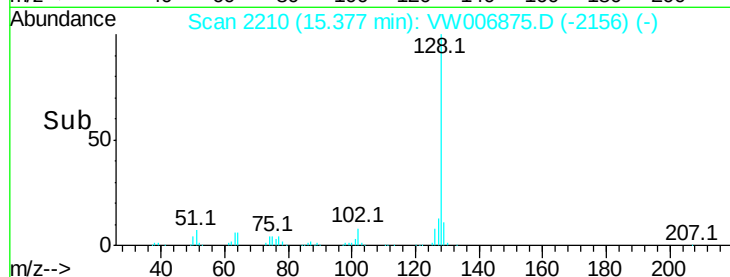
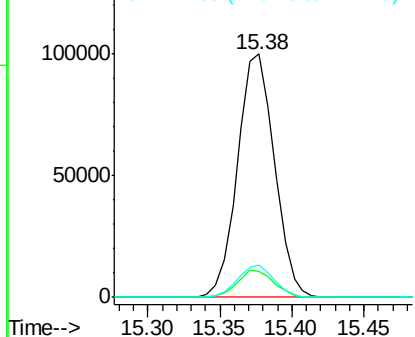
#69
Naphthalene
Concen: 26.281 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

Tgt Ion:128 Resp: 177400
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.2 10.5 15.7

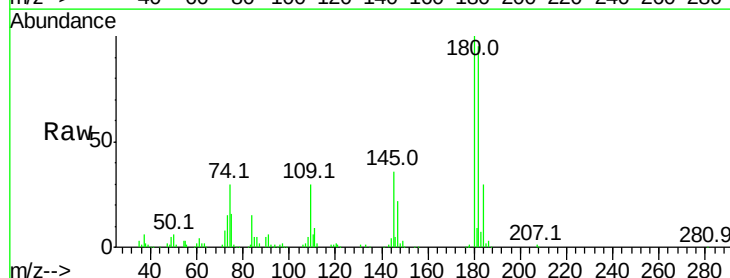


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 22.198 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006875.D
Acq: 14 Nov 2018 14:12

Tgt Ion:180 Resp: 66488
Ion Ratio Lower Upper
180 100
182 94.7 75.5 113.3
145 36.0 24.5 36.7



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

