

Data File : VW006938.D
Acq On : 19 Nov 2018 10:49
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Quant Time: Nov 20 06:03:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 23:51:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	166706	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	161500	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	80186	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	33836	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.44%
7) Chloroethane-d5	2.89	69	26048	24.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.88%
10) 1,1-Dichloroethene-d2	4.02	63	92977	23.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.08%
20) 2-Butanone-d5	7.09	46	34417	42.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.40%
24) Chloroform-d	7.65	84	84502	22.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	8.31	65	52949	25.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.68%
29) Benzene-d6	8.27	84	184424	21.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.36%
33) 1,2-Dichloropropane-d6	9.27	67	56422	21.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.32%
37) Toluene-d8	10.32	98	194883	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.16%
38) trans-1,3-Dichloropropene-	10.58	79	24926	22.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.80%
39) 2-Hexanone-d5	10.93	63	26814	41.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	51460	23.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	69937	23.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.12%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	58781	25.283	ug/L	99
3) Chloromethane	2.21	50	45713	25.191	ug/L	97
5) Vinyl chloride	2.36	62	46022	24.932	ug/L	99
6) Bromomethane	2.78	94	21332	25.705	ug/L	100
8) Chloroethane	2.92	64	25026	25.158	ug/L	96
9) Trichlorofluoromethane	3.26	101	87758	26.749	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	55557	25.316	ug/L	97
12) 1,1-Dichloroethene	4.04	96	47958	25.181	ug/L	91
13) Acetone	4.14	43	25139	47.841	ug/L	68
14) Carbon disulfide	4.38	76	167167	24.382	ug/L	99
15) Methyl Acetate	4.68	43	28638	22.382	ug/L	100
16) Methylene chloride	4.92	84	61263	21.016	ug/L	100
17) Methyl tert-butyl Ether	5.43	73	136405	26.599	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	54466	25.050	ug/L	97
19) 1,1-Dichloroethane	6.22	63	91050	25.653	ug/L	98
21) 2-Butanone	7.18	43	40706	44.898	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	57365	25.838	ug/L	100

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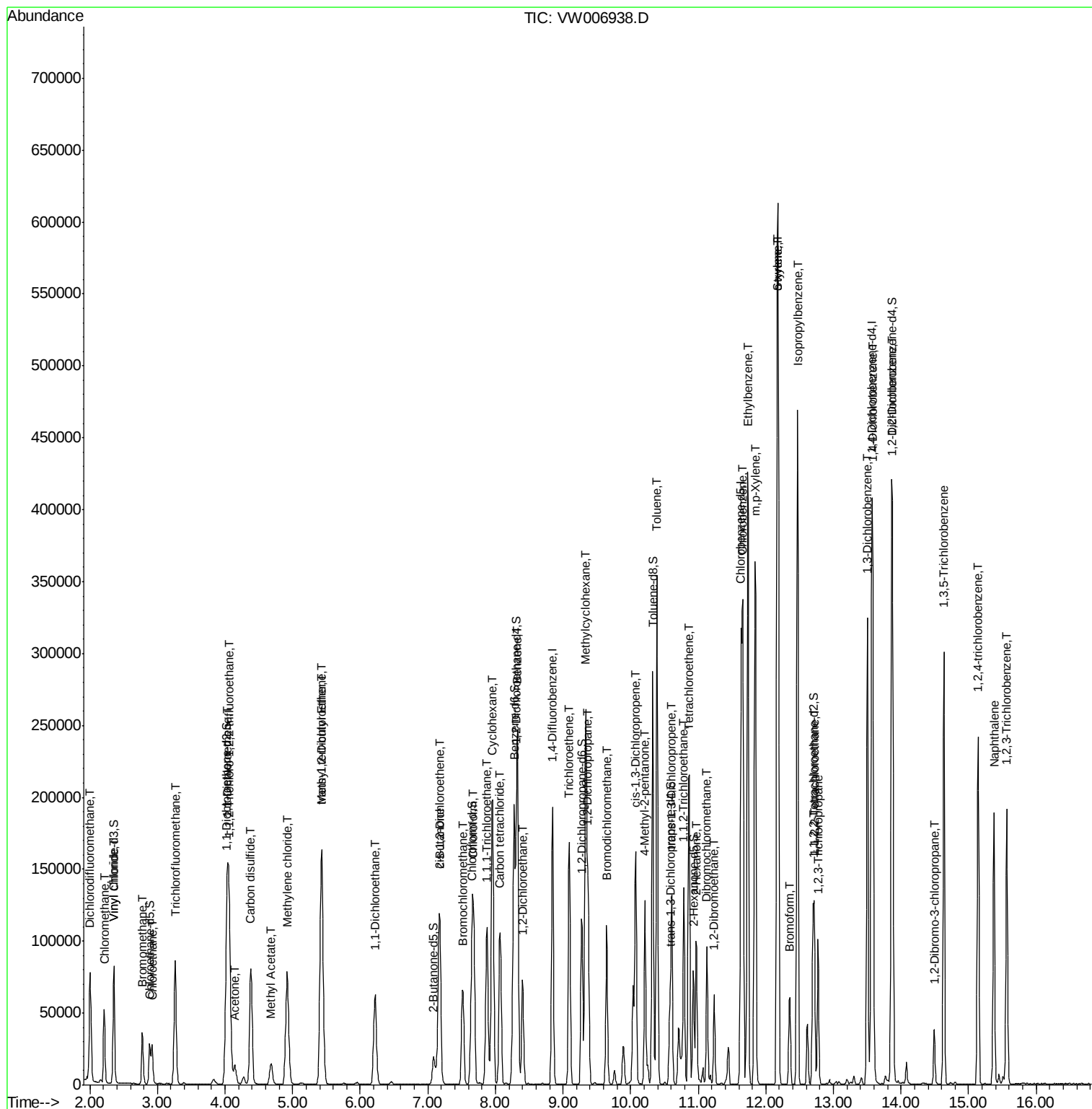
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	25047	27.678	ug/L	93
25) Chloroform	7.68	83	99981	24.363	ug/L	99
27) 1,2-Dichloroethane	8.40	62	66893	27.719	ug/L	98
30) Cyclohexane	7.96	56	99397	23.214	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	91245	25.388	ug/L	99
32) Carbon tetrachloride	8.07	117	81462	25.789	ug/L	99
34) Benzene	8.32	78	219125	24.262	ug/L	100
35) Trichloroethene	9.09	95	60045	24.408	ug/L	98
36) Methylcyclohexane	9.34	83	109412	23.139	ug/L	98
40) 1,2-Dichloropropane	9.37	63	54796	24.626	ug/L	99
41) Bromodichloromethane	9.65	83	73069	26.767	ug/L	93
42) cis-1,3-Dichloropropene	10.07	75	85429	25.429	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	84160	48.269	ug/L	99
44) Toluene	10.39	91	260292	25.170	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	72499	25.536	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	42839	25.146	ug/L	98
47) Tetrachloroethene	10.87	164	48322	25.690	ug/L	95
49) 2-Hexanone	10.97	43	63729	49.368	ug/L	98
50) Dibromochloromethane	11.13	129	50699	27.578	ug/L	95
51) 1,2-Dibromoethane	11.24	107	41849	25.828	ug/L	98
52) Chlorobenzene	11.66	112	167121	25.694	ug/L	100
53) Ethylbenzene	11.73	91	302401	24.570	ug/L	96
54) m,p-Xylene	11.84	106	118996	25.279	ug/L	97
55) o-xylene	12.17	106	111550	25.871	ug/L	96
56) Styrene	12.18	104	188826	26.418	ug/L	98
57) Isopropylbenzene	12.47	105	300827	24.921	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	54143	25.050	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	41980	24.940	ug/L	99
62) Bromoform	12.35	173	29111	28.930	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	133070	25.599	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	133086	25.648	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	121680	26.027	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	10434	24.075	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	87662	24.816	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	73804	25.638	ug/L	99
69) Naphthalene	15.38	128	166287	24.097	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	65182	25.469	ug/L	100

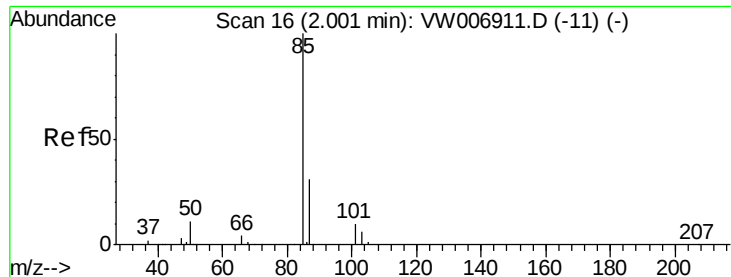
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.283 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

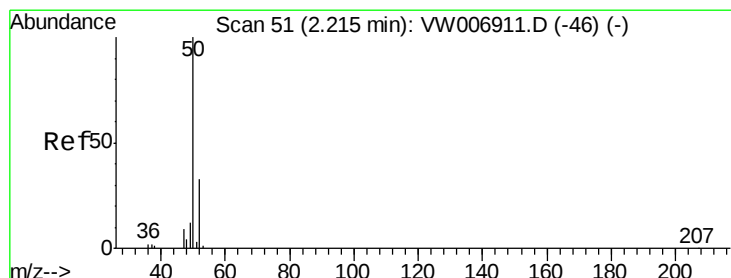
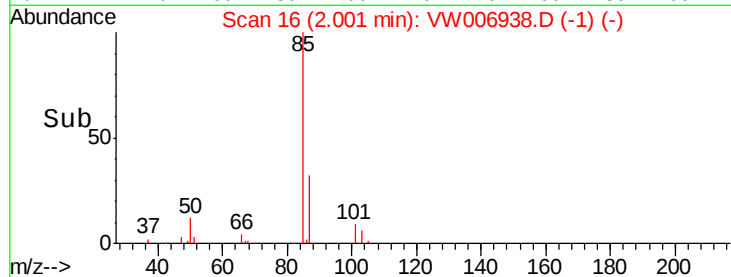
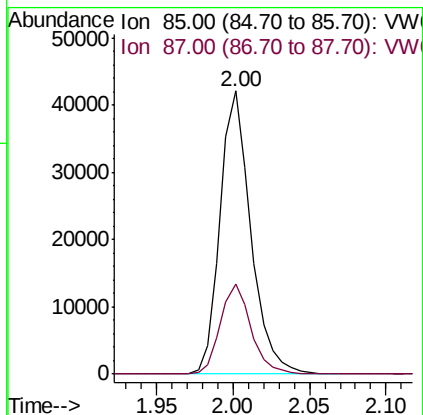
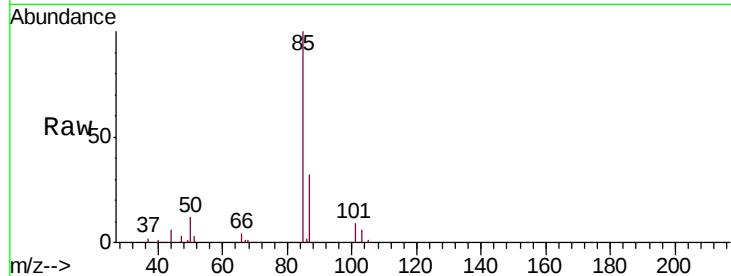
VSTD02594

Tgt Ion: 85 Resp: 58781

Ion Ratio Lower Upper

85 100

87 32.0 22.6 42.0



#3

Chloromethane

Concen: 25.191 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006938.D

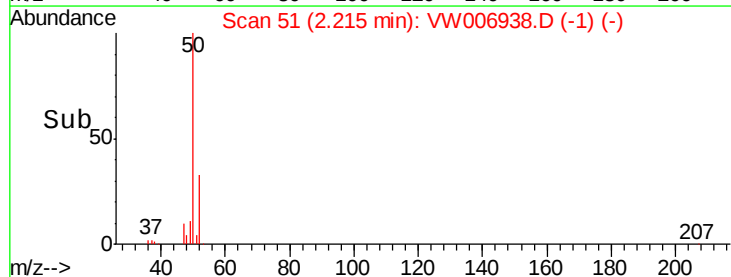
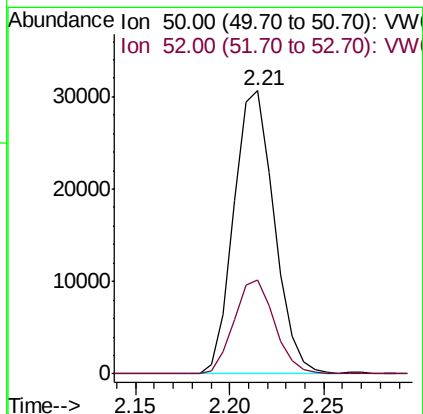
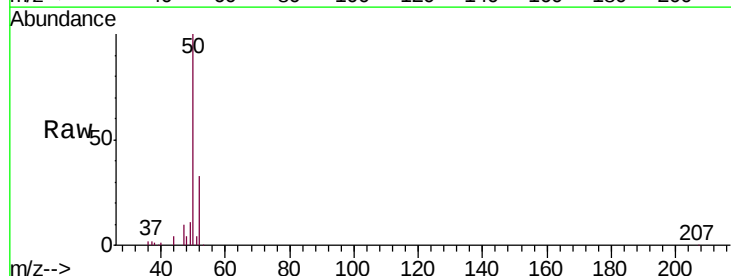
Acq: 19 Nov 2018 10:49

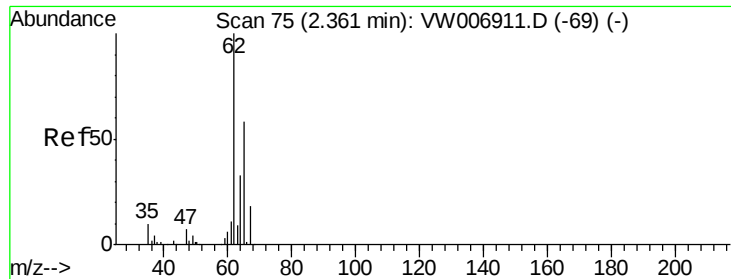
Tgt Ion: 50 Resp: 45713

Ion Ratio Lower Upper

50 100

52 33.3 24.4 45.4





#5

Vinyl chloride

Concen: 24.932 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

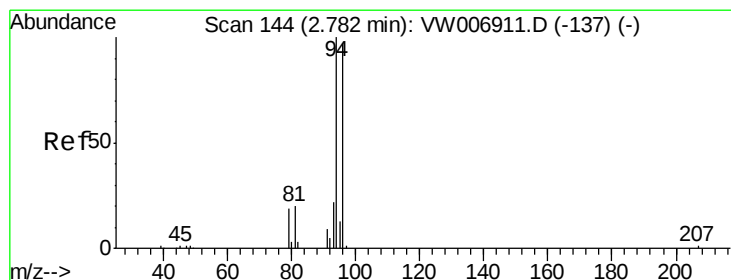
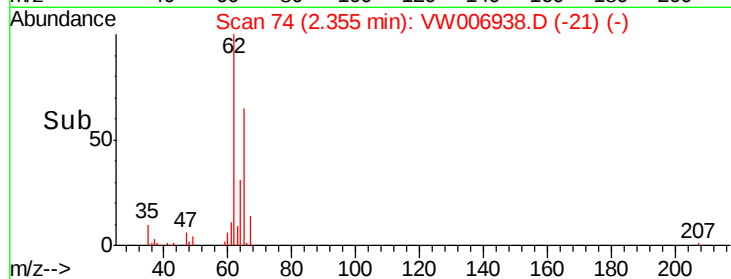
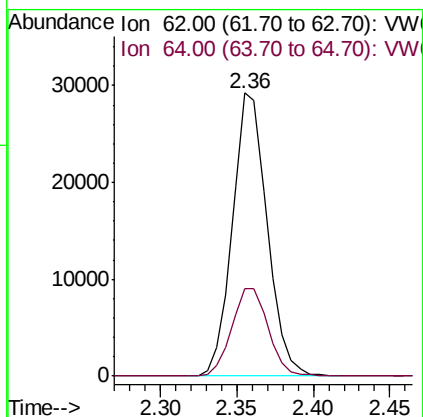
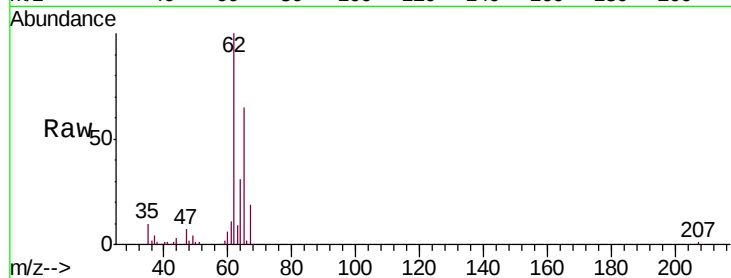
VSTD02594

Tgt Ion: 62 Resp: 46022

Ion Ratio Lower Upper

62 100

64 30.9 21.9 40.7



#6

Bromomethane

Concen: 25.705 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW006938.D

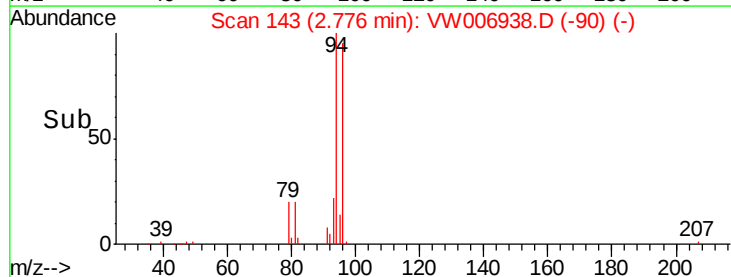
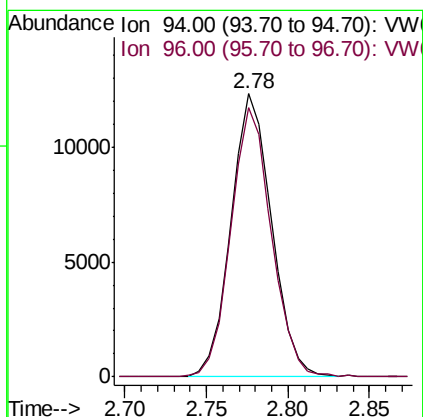
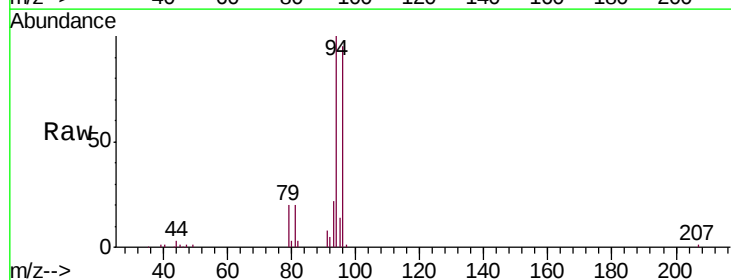
Acq: 19 Nov 2018 10:49

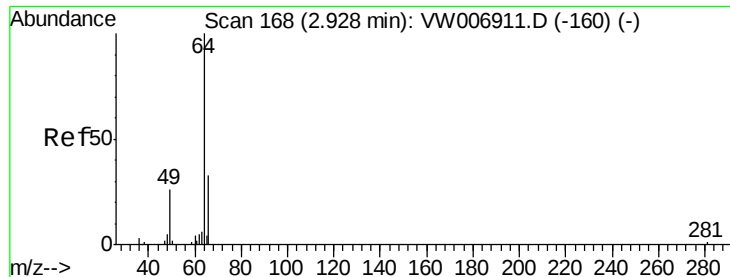
Tgt Ion: 94 Resp: 21332

Ion Ratio Lower Upper

94 100

96 94.7 9.4 179.5





#8

Chloroethane

Concen: 25.158 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

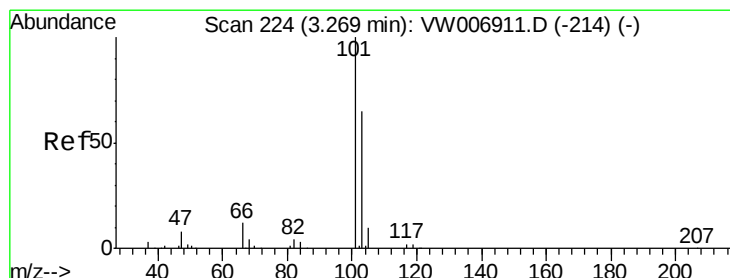
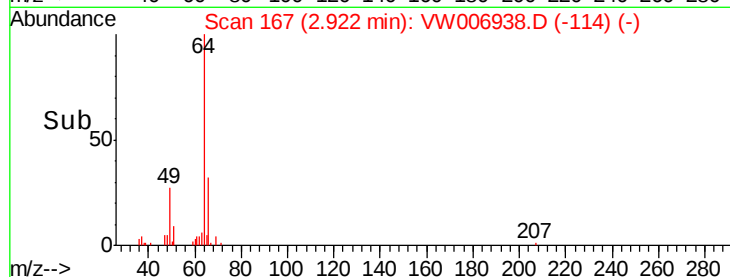
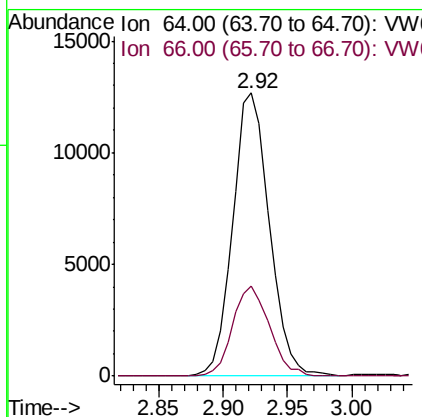
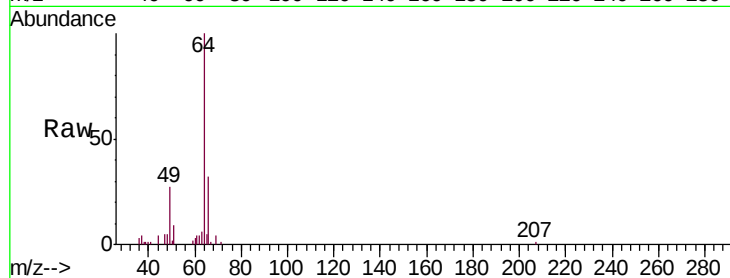
VSTD02594

Tgt Ion: 64 Resp: 25026

Ion Ratio Lower Upper

64 100

66 32.0 20.8 38.6



#9

Trichlorofluoromethane

Concen: 26.749 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW006938.D

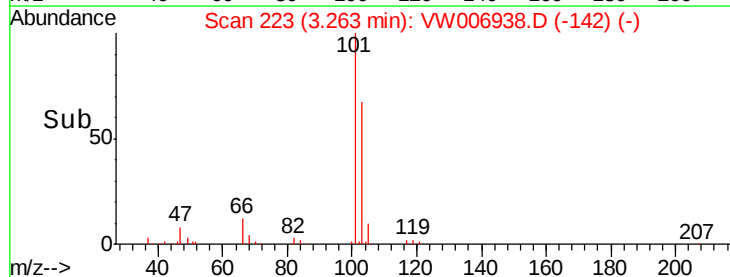
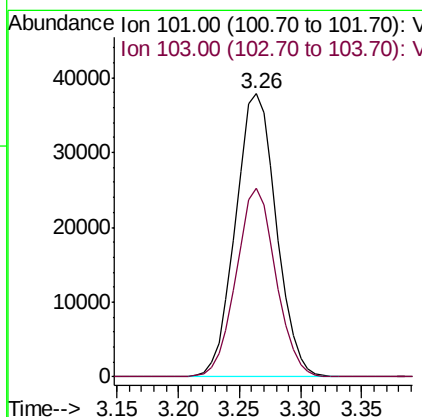
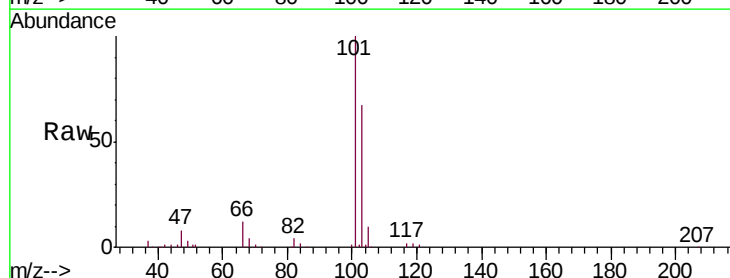
Acq: 19 Nov 2018 10:49

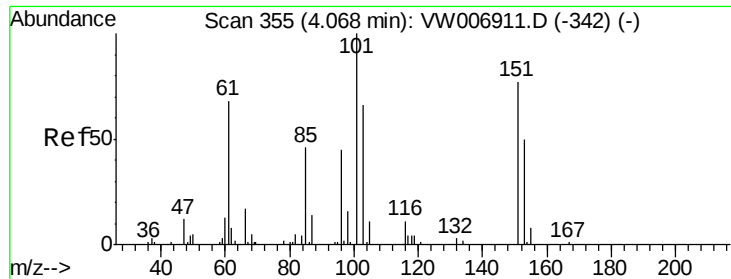
Tgt Ion: 101 Resp: 87758

Ion Ratio Lower Upper

101 100

103 64.7 46.1 85.5





#11

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

Concen: 25.316 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

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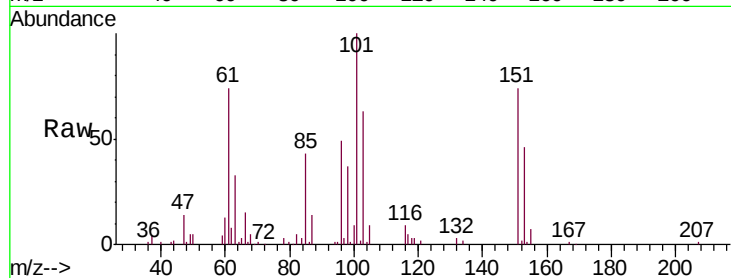
Tgt Ion: 101 Resp: 55557

Ion Ratio Lower Upper

101 100

85 42.6 33.8 50.8

151 75.4 57.5 86.3

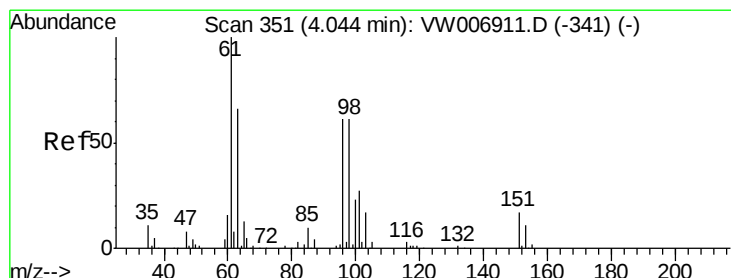
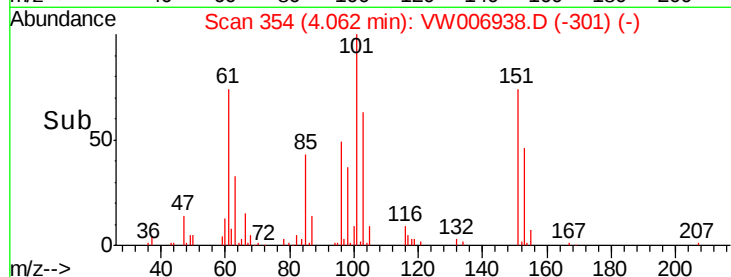
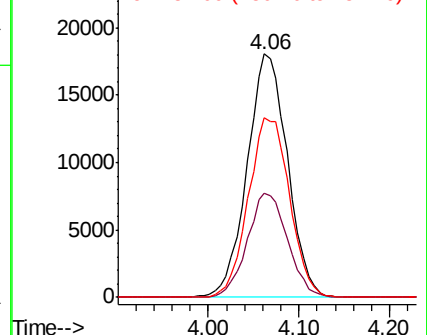


Abundance

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: 25.181 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

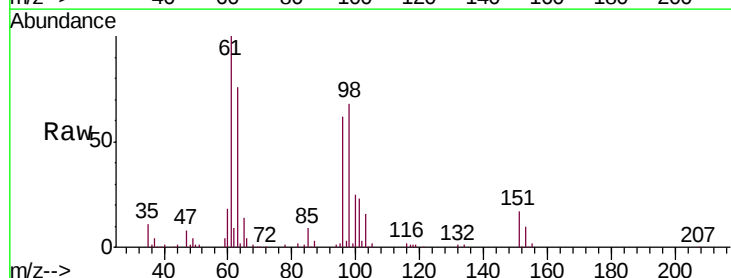
Tgt Ion: 96 Resp: 47958

Ion Ratio Lower Upper

96 100

61 161.6 116.3 215.9

63 122.6 73.4 136.4

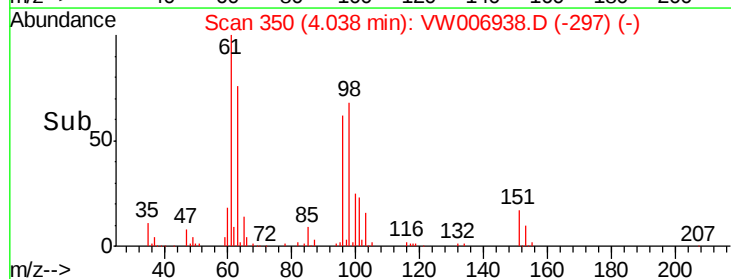
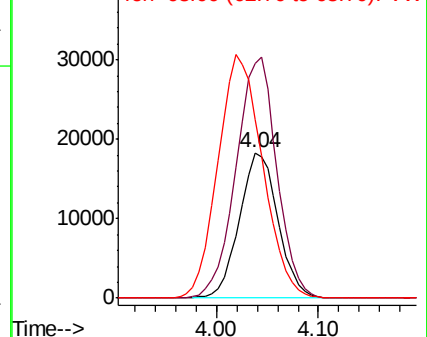


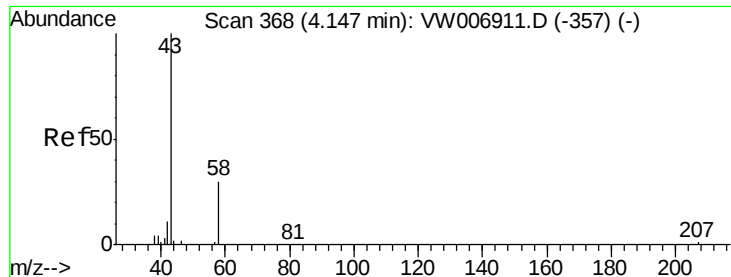
Abundance

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: 47.841 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

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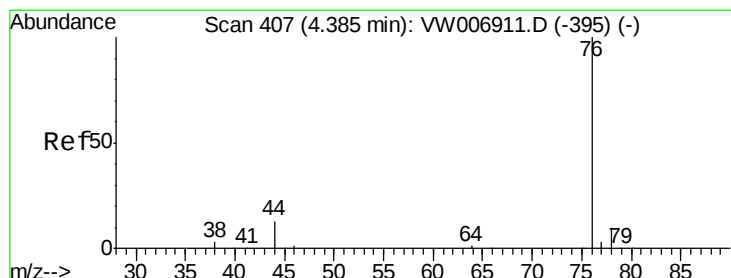
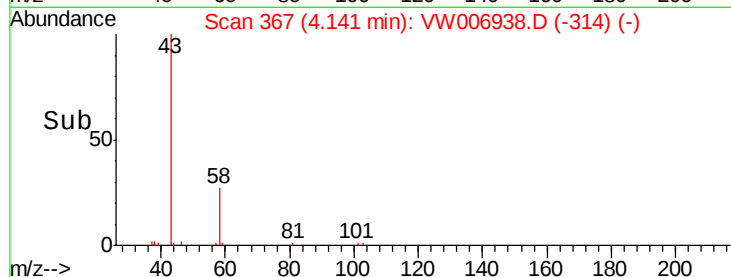
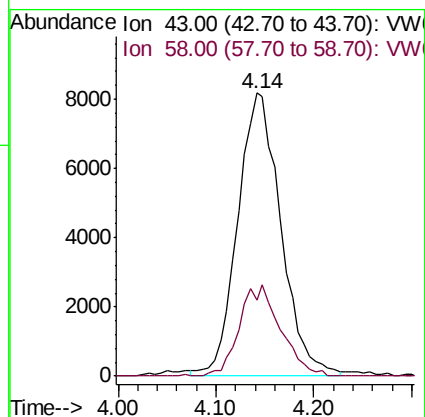
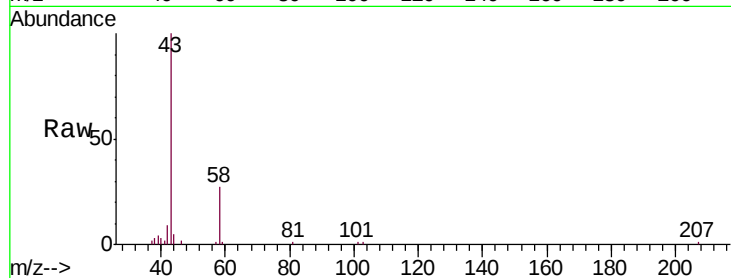
VSTD02594

Tgt Ion: 43 Resp: 25139

Ion Ratio Lower Upper

43 100

58 14.5 0.0 65.6



#14

Carbon disulfide

Concen: 24.382 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW006938.D

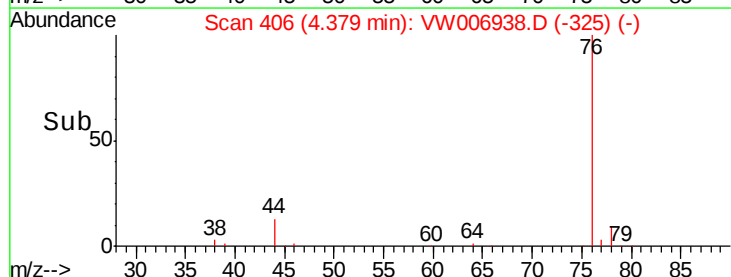
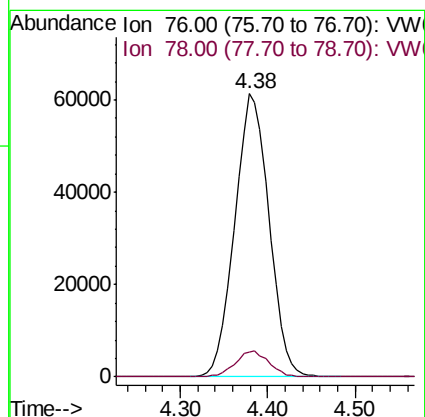
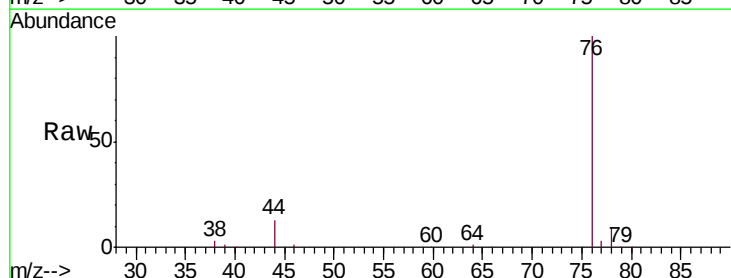
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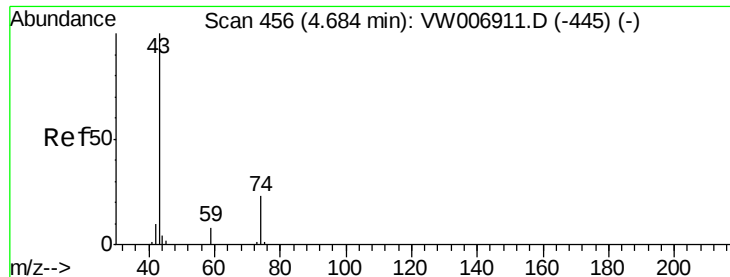
Tgt Ion: 76 Resp: 167167

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

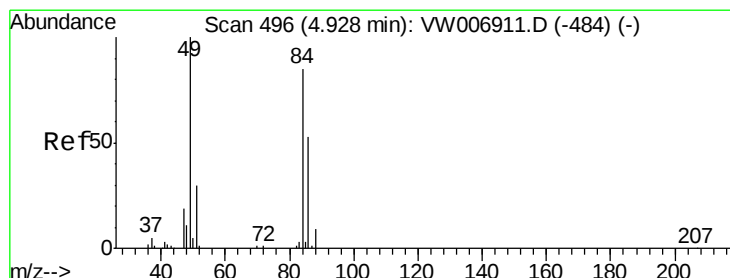
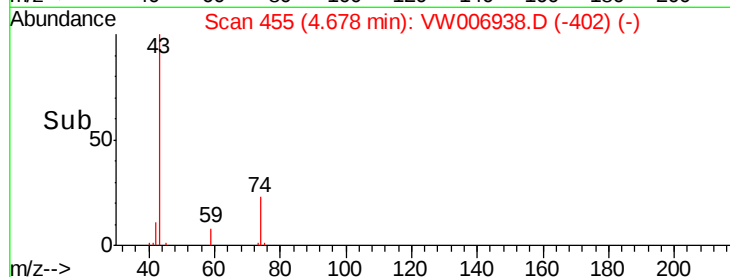
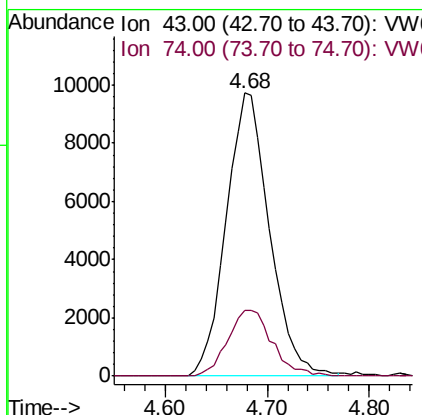
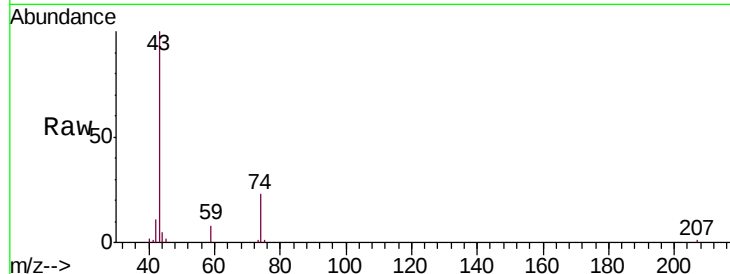




#15
Methyl Acetate
Concen: 22.382 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

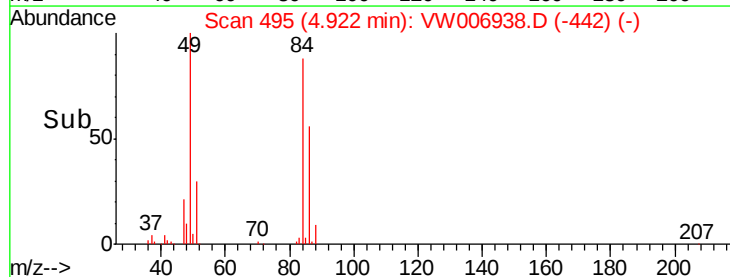
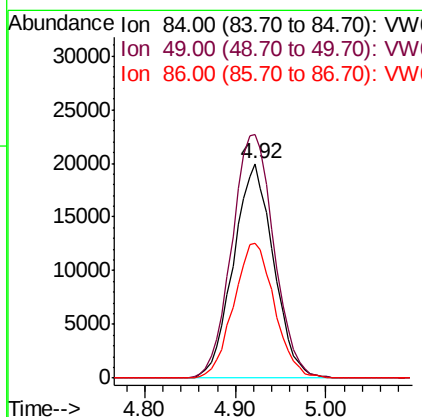
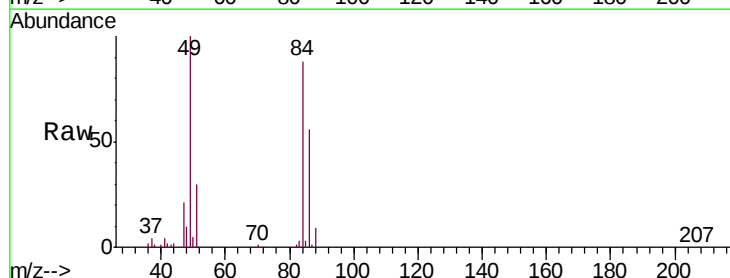
Instrument :
MSVOA_W
ClientSampled :
VSTD02594

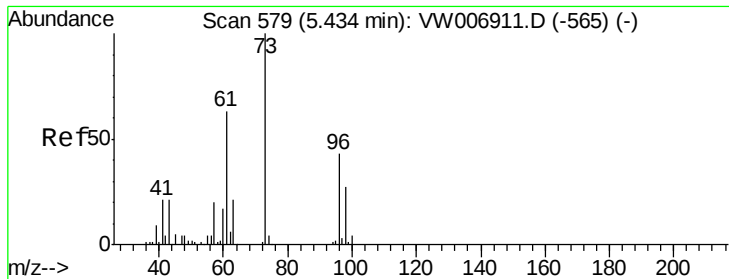
Tgt Ion: 43 Resp: 28638
Ion Ratio Lower Upper
43 100
74 23.7 18.8 28.2



#16
Methylene chloride
Concen: 21.016 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

Tgt Ion: 84 Resp: 61263
Ion Ratio Lower Upper
84 100
49 113.5 79.3 147.3
86 63.0 43.5 80.9

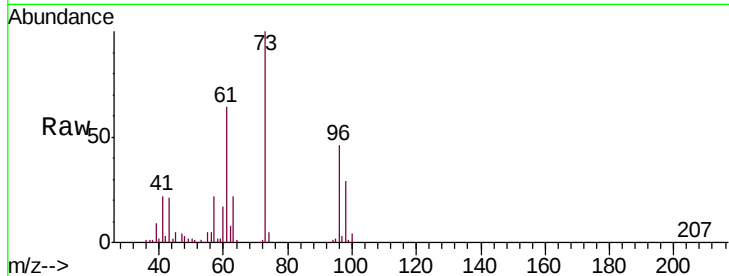




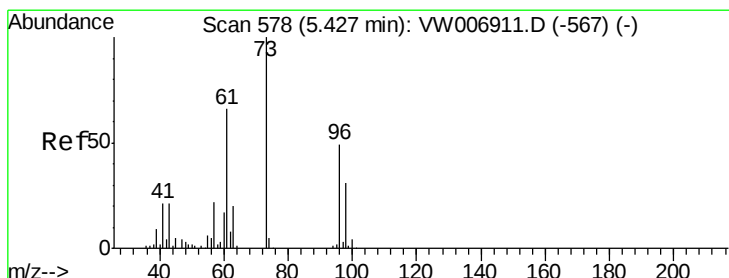
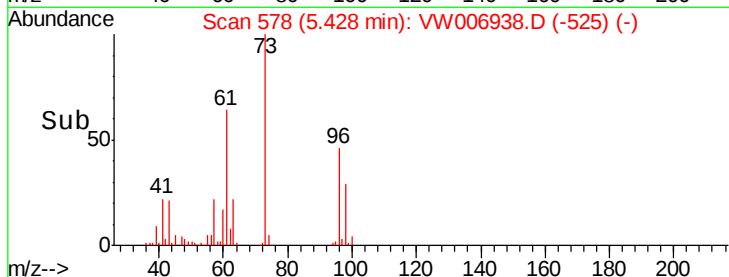
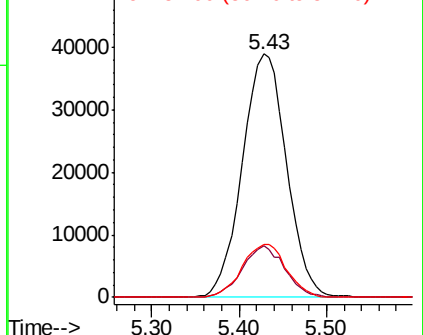
#17
Methyl tert-butyl Ether
Concen: 26.599 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

Instrument :
MSVOA_W
ClientSampled :
VSTD02594

Tgt Ion: 73 Resp: 136405
Ion Ratio Lower Upper
73 100
43 20.4 15.6 23.4
57 22.0 17.8 26.8

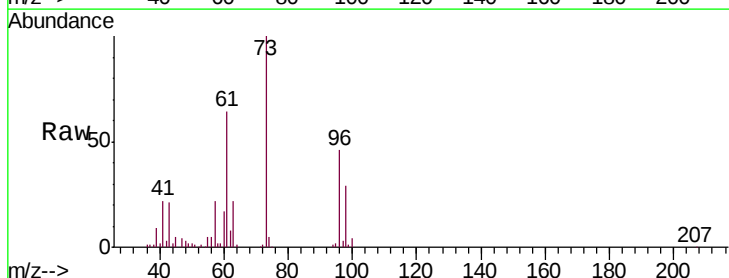


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

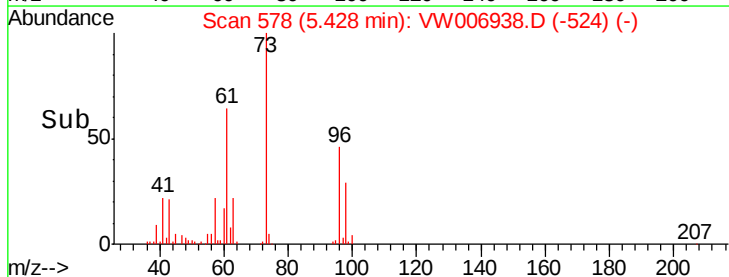
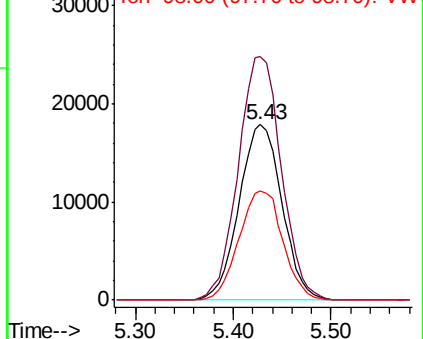


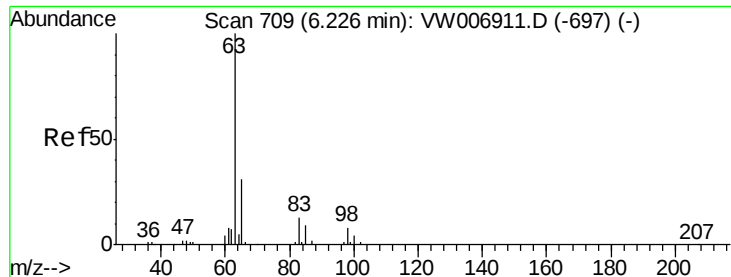
#18
trans-1,2-Dichloroethene
Concen: 25.050 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

Tgt Ion: 96 Resp: 54466
Ion Ratio Lower Upper
96 100
61 138.7 99.6 185.0
98 62.3 44.7 82.9



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

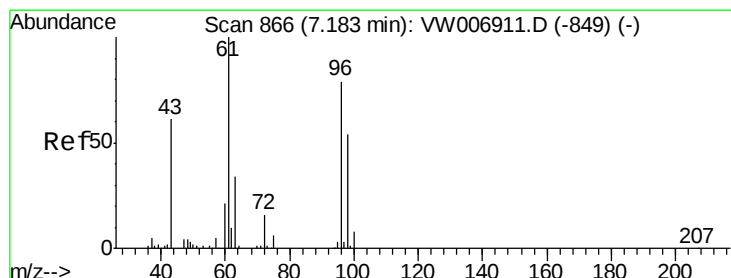
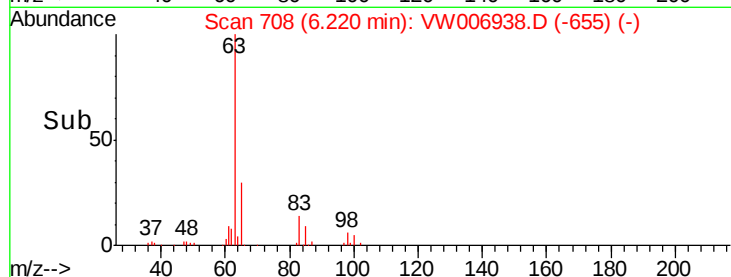
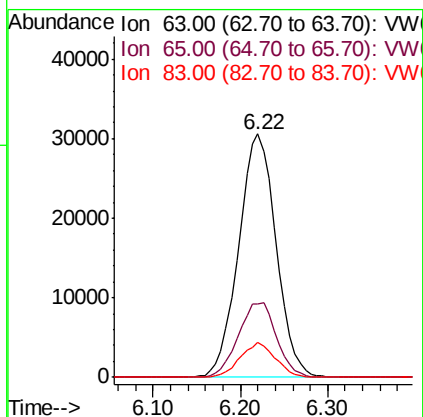
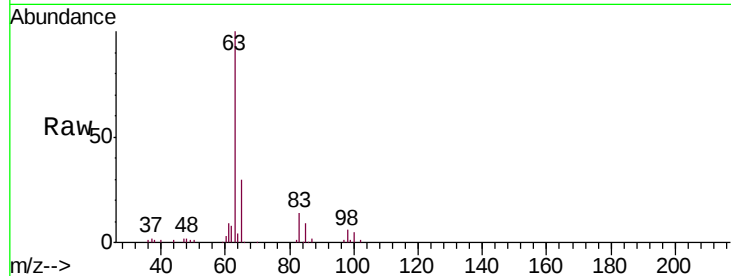




#19
 1,1-Dichloroethane
 Concen: 25.653 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

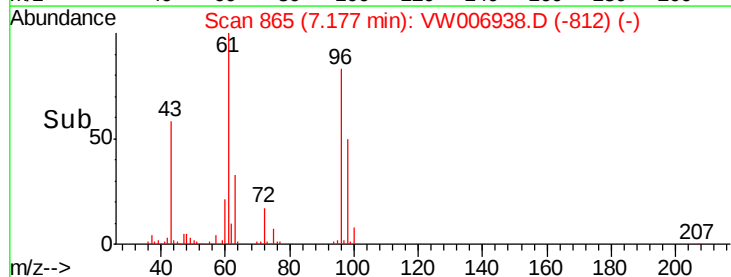
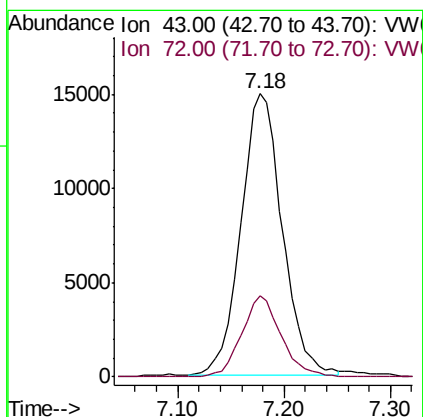
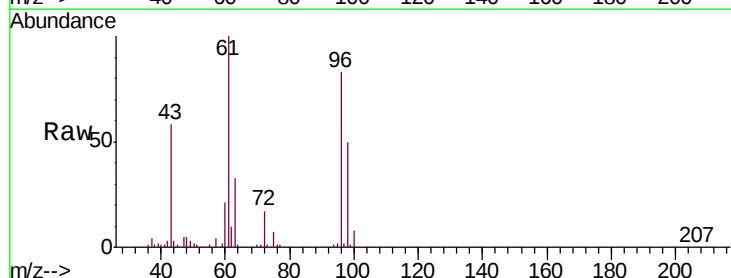
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

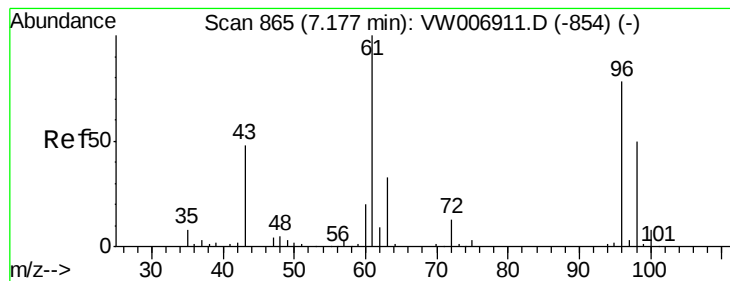
Tgt Ion: 63 Resp: 91050
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.0 41.0
 83 14.3 9.5 17.7



#21
 2-Butanone
 Concen: 44.898 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

Tgt Ion: 43 Resp: 40706
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.5 40.5



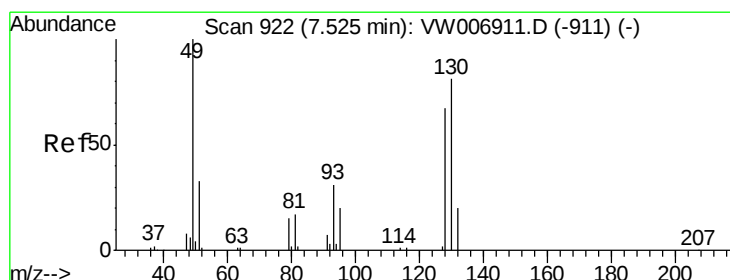
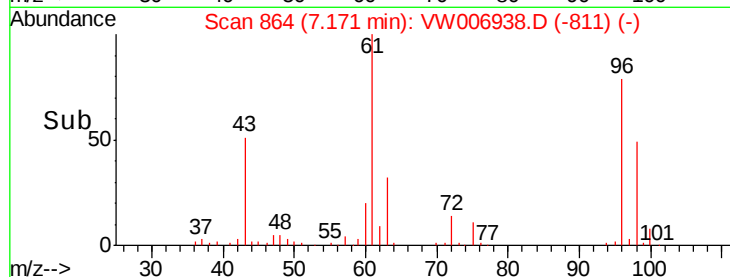
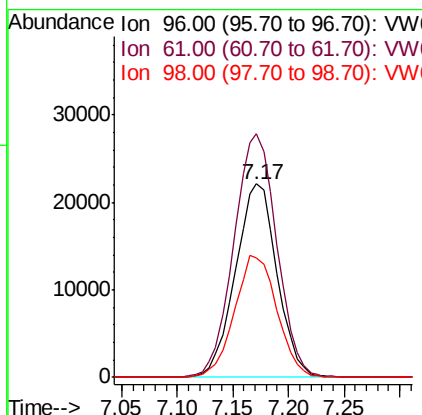
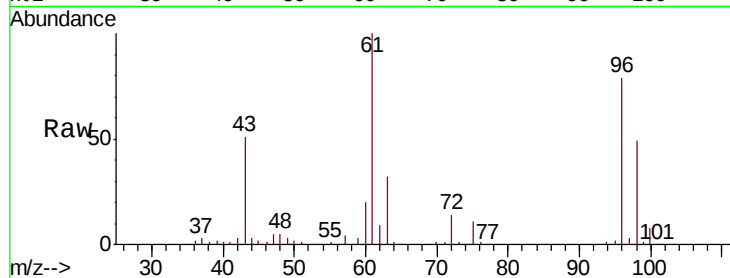


#22

cis-1,2-Dichloroethene
Concen: 25.838 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

Instrument :
MSVOA_W
ClientSampled :
VSTD02594

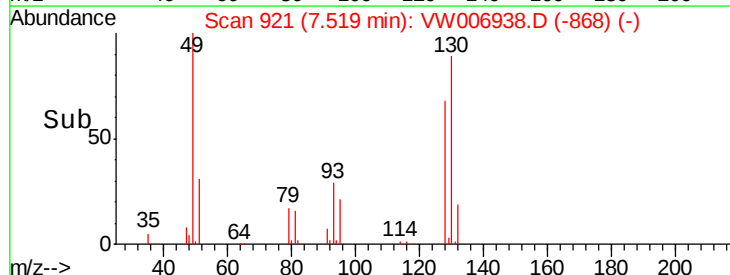
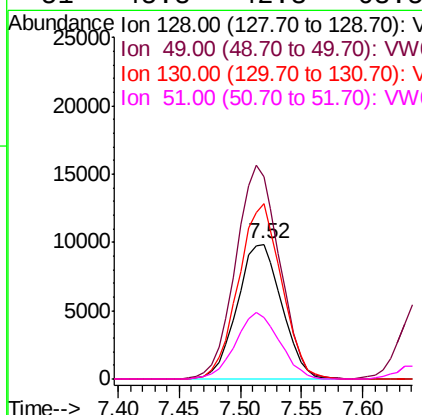
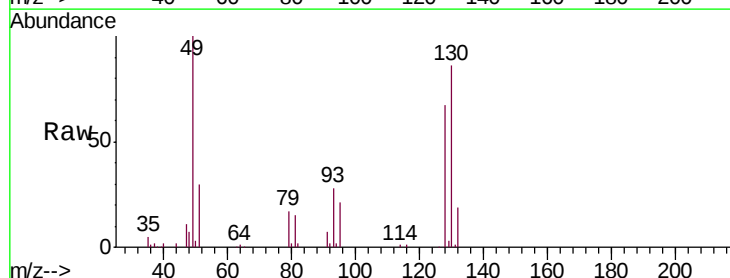
Tgt Ion: 96 Resp: 57365
Ion Ratio Lower Upper
96 100
61 126.0 88.1 163.7
98 61.9 43.1 80.1

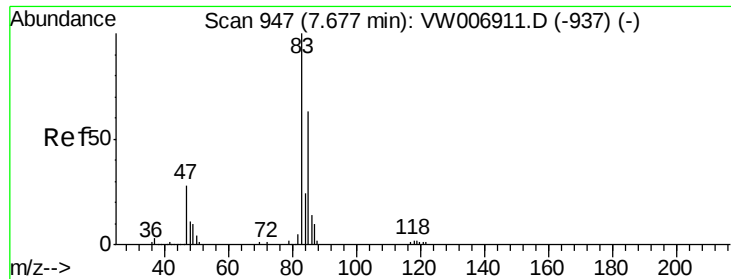


#23

Bromochloromethane
Concen: 27.678 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

Tgt Ion: 128 Resp: 25047
Ion Ratio Lower Upper
128 100
49 150.2 114.0 211.8
130 129.9 89.7 166.7
51 45.8 42.3 63.5

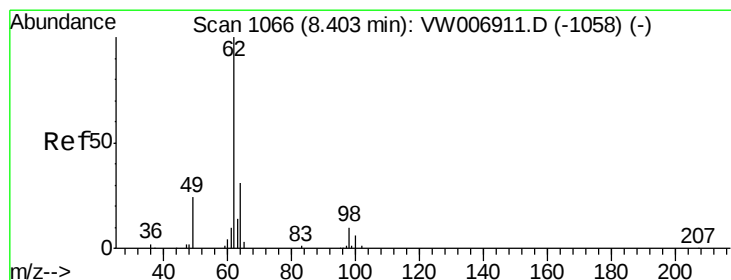
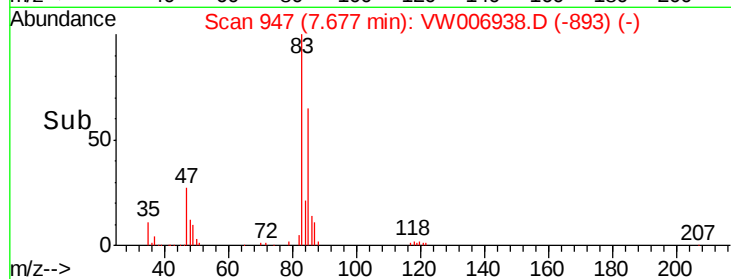
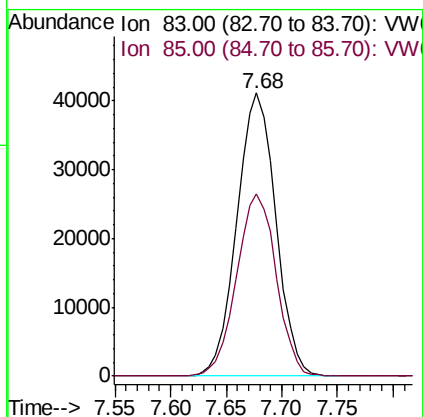
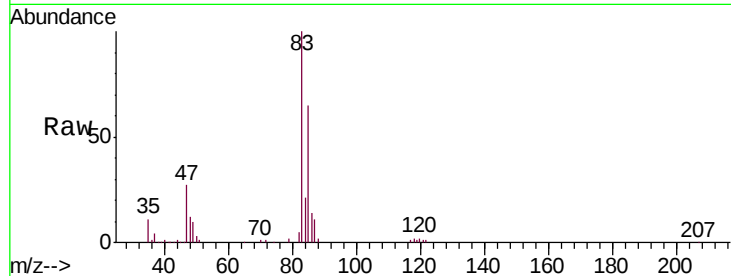




#25
Chloroform
Concen: 24.363 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

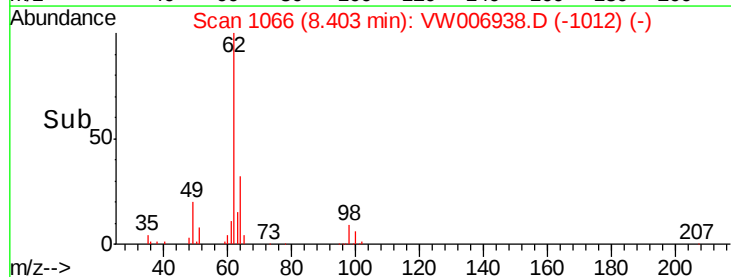
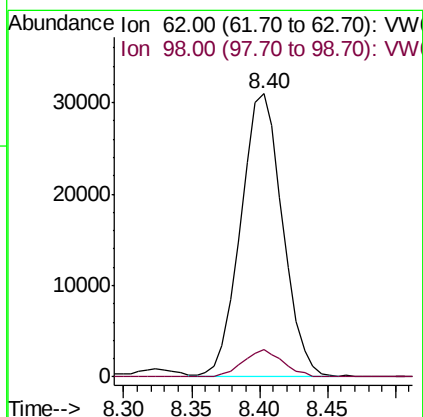
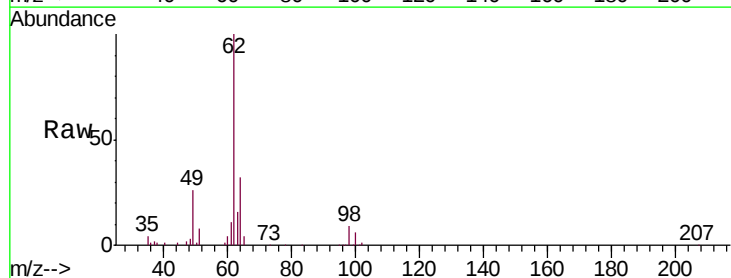
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

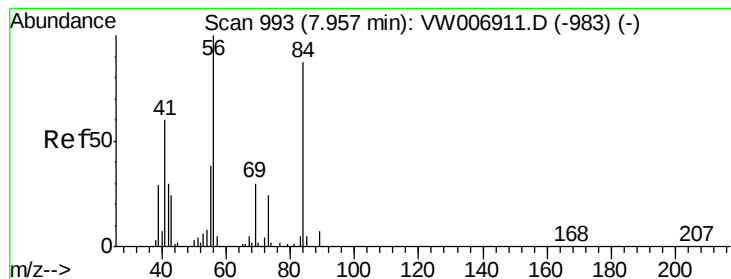
Tgt Ion: 83 Resp: 99981
Ion Ratio Lower Upper
83 100
85 65.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 27.719 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

Tgt Ion: 62 Resp: 66893
Ion Ratio Lower Upper
62 100
98 9.5 7.0 10.4





#30

Cyclohexane

Concen: 23.214 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

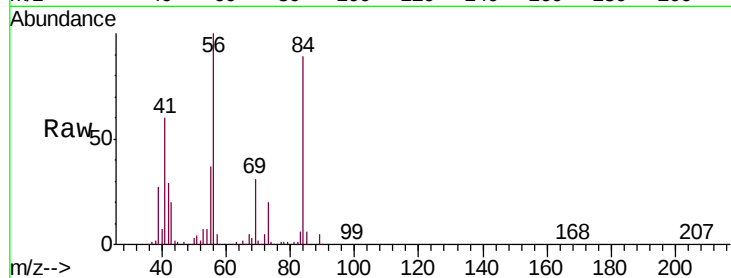
Tgt Ion: 56 Resp: 99397

Ion Ratio Lower Upper

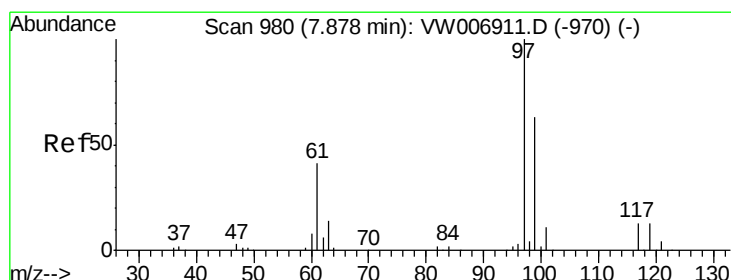
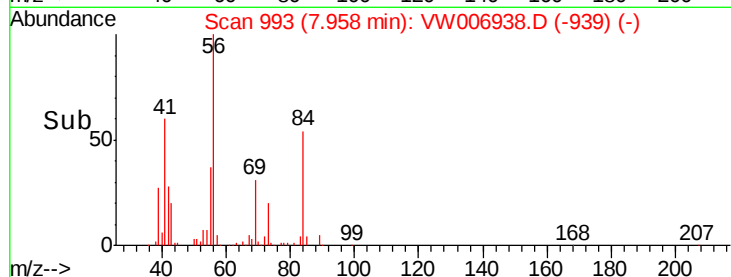
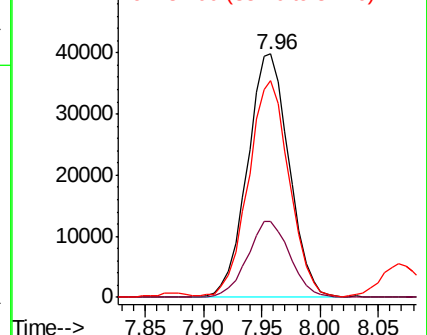
56 100

69 31.5 25.1 37.7

84 87.5 68.7 103.1



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



#31

1,1,1-Trichloroethane

Concen: 25.388 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

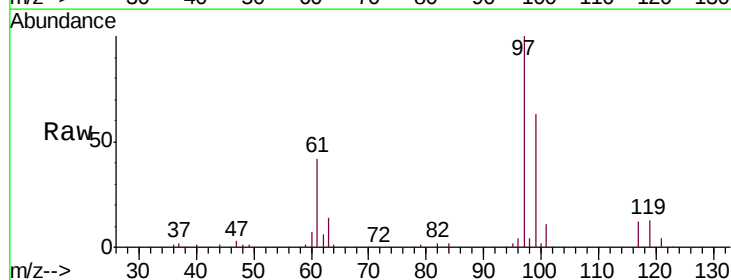
Tgt Ion: 97 Resp: 91245

Ion Ratio Lower Upper

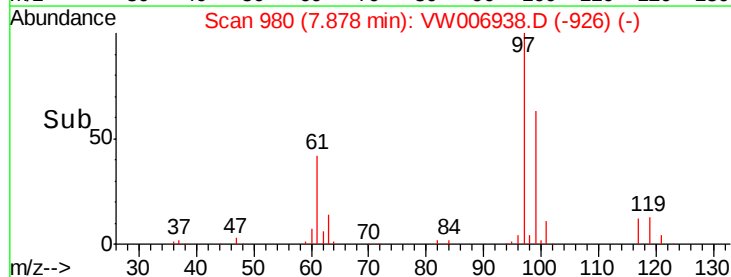
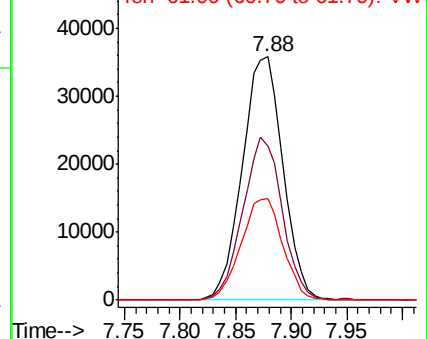
97 100

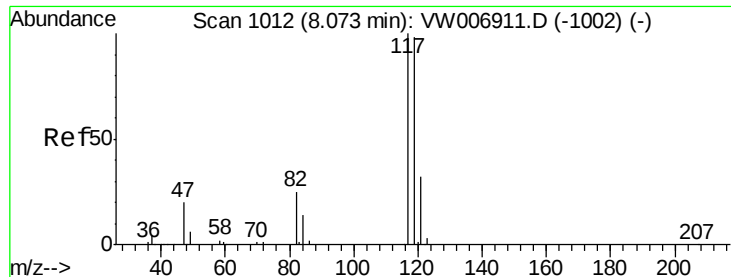
99 64.5 52.2 78.2

61 42.6 34.5 51.7



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.789 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

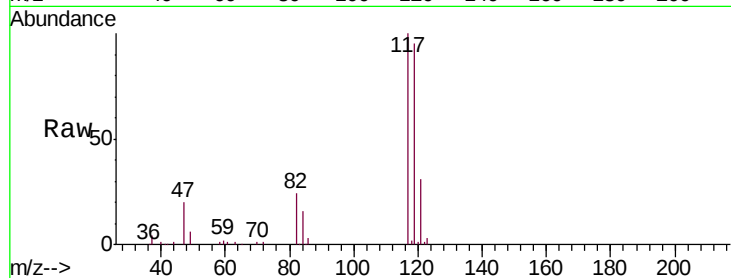
VSTD02594

Tgt Ion:117 Resp: 81462

Ion Ratio Lower Upper

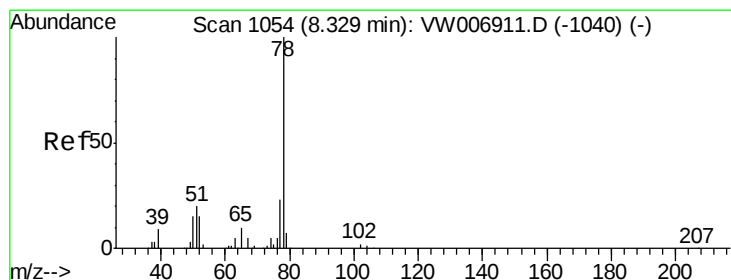
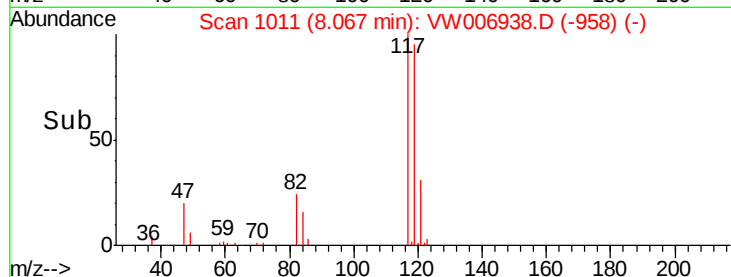
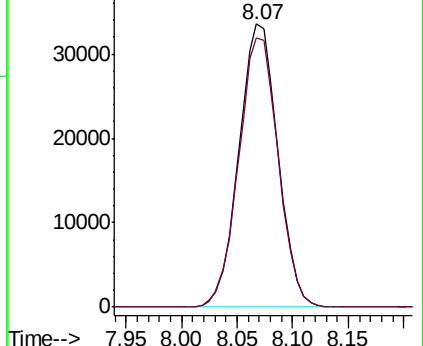
117 100

119 96.5 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.262 ug/L

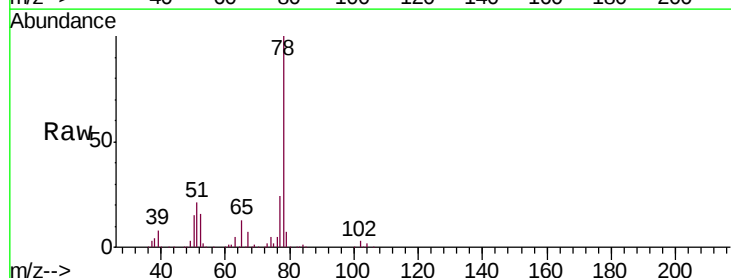
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

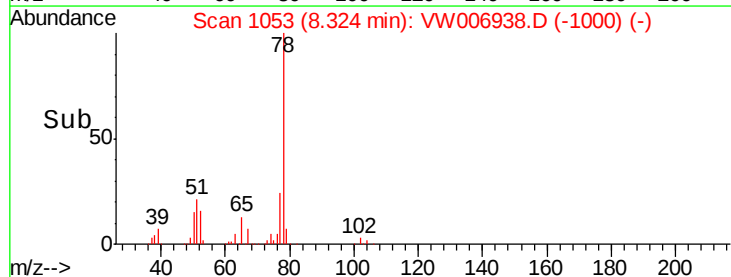
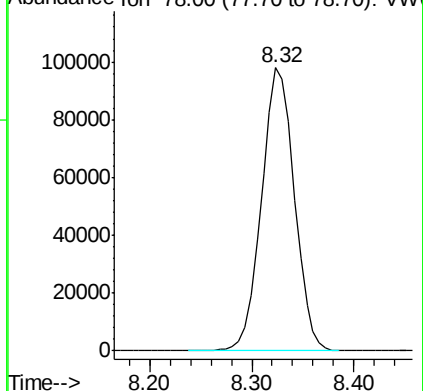
Lab File: VW006938.D

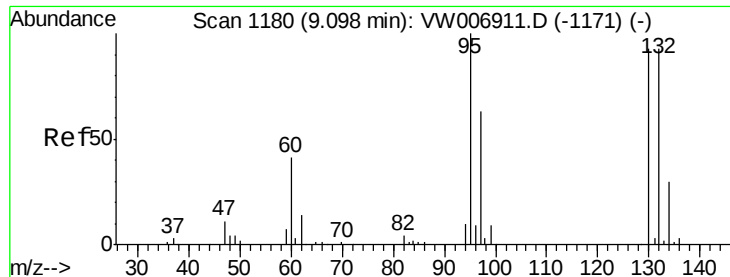
Acq: 19 Nov 2018 10:49

Tgt Ion: 78 Resp: 219125



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.408 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

Tgt Ion: 95 Resp: 60045

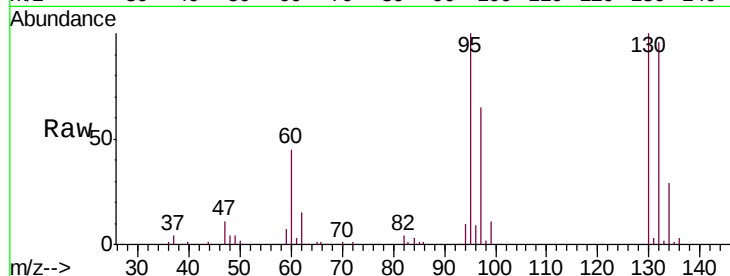
Ion Ratio Lower Upper

95 100

97 65.9 45.1 83.9

132 96.1 65.7 121.9

130 100.5 68.7 127.7

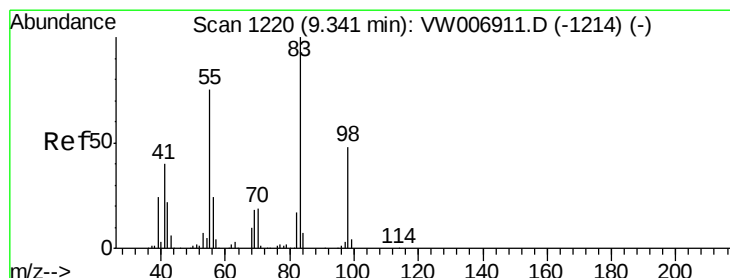
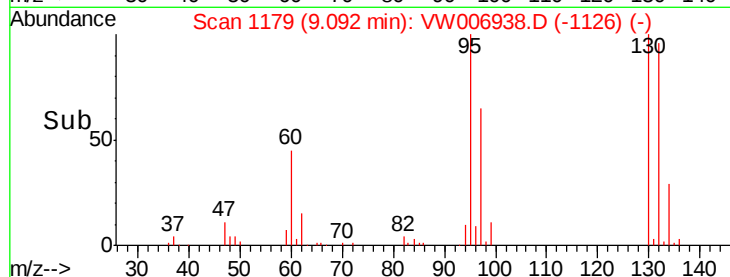
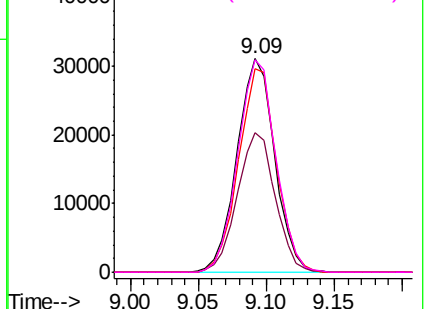


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.139 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

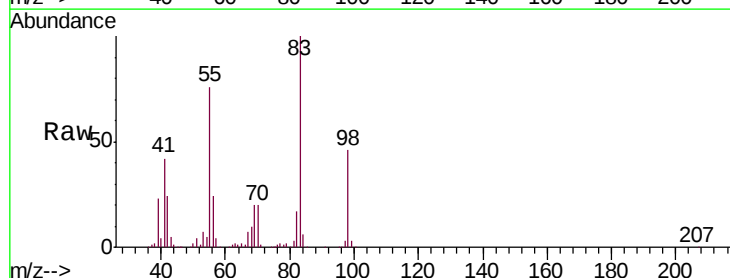
Tgt Ion: 83 Resp: 109412

Ion Ratio Lower Upper

83 100

55 76.8 60.2 90.2

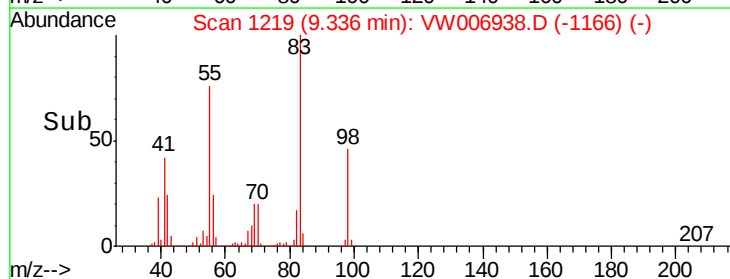
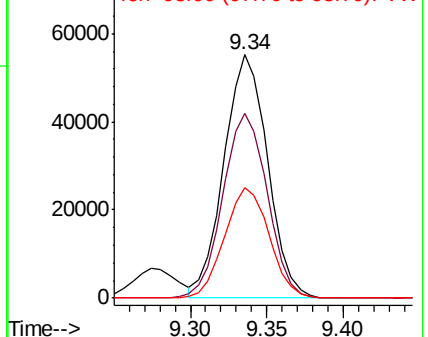
98 46.8 36.5 54.7

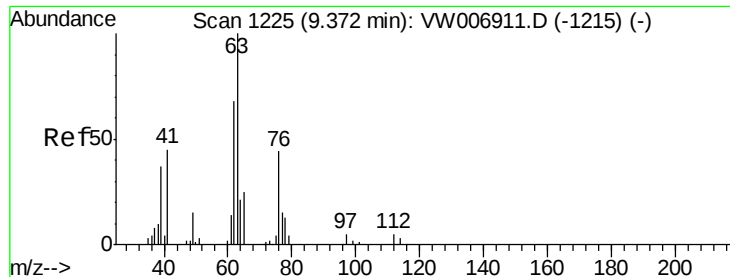


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

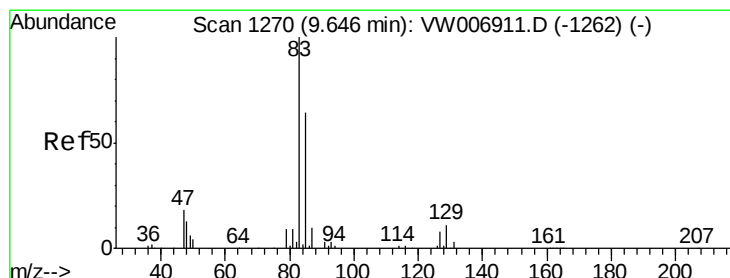
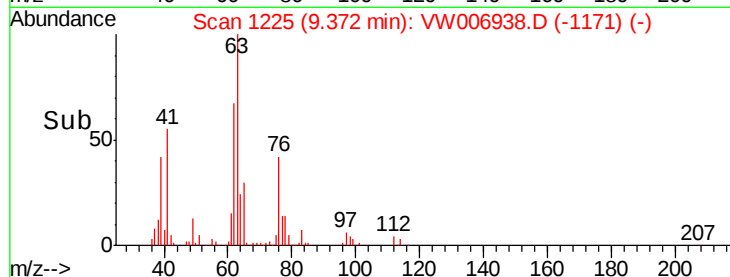
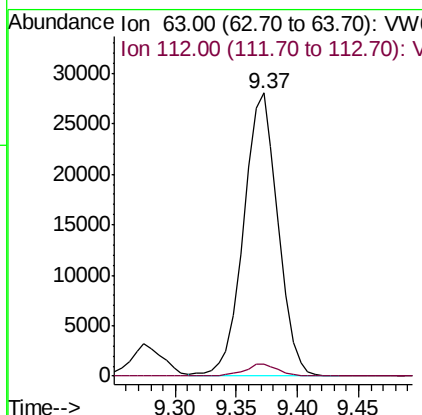
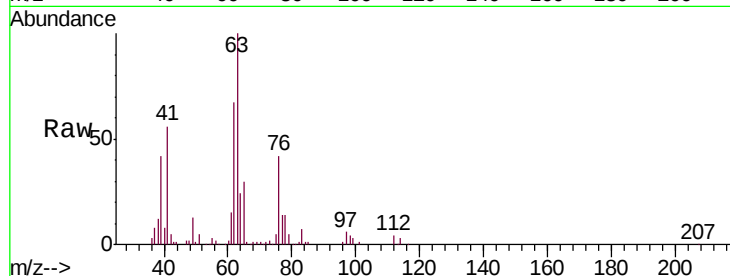




#40
 1,2-Dichloropropane
 Concen: 24.626 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

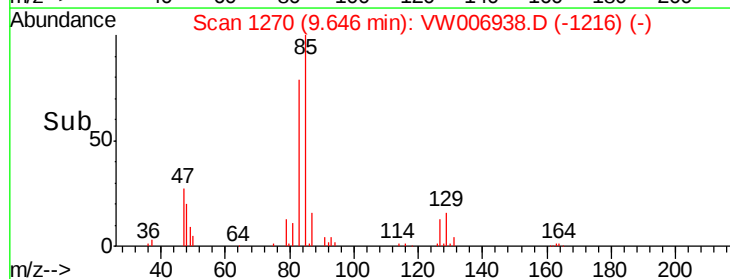
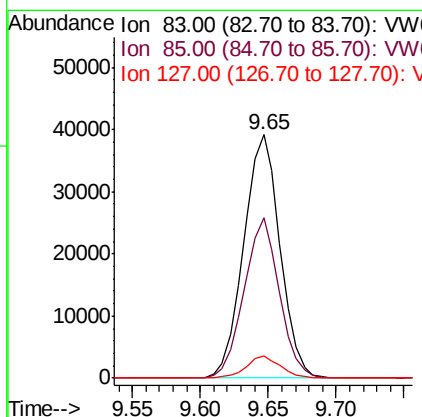
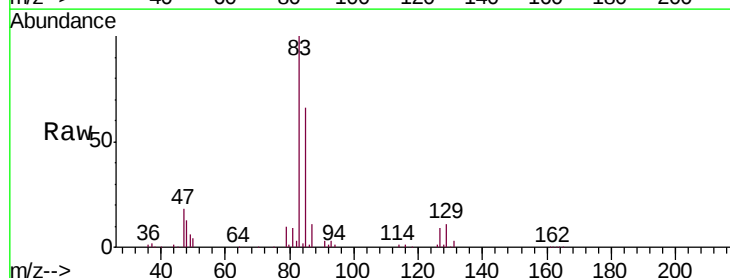
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

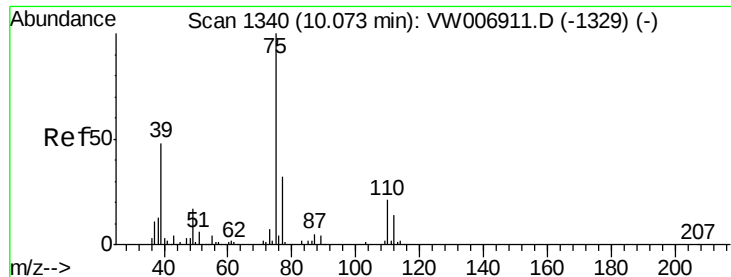
Tgt Ion: 63 Resp: 54796
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#41
 Bromodichloromethane
 Concen: 26.767 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

Tgt Ion: 83 Resp: 73069
 Ion Ratio Lower Upper
 83 100
 85 66.0 42.4 78.6
 127 8.9 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 25.429 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampled :

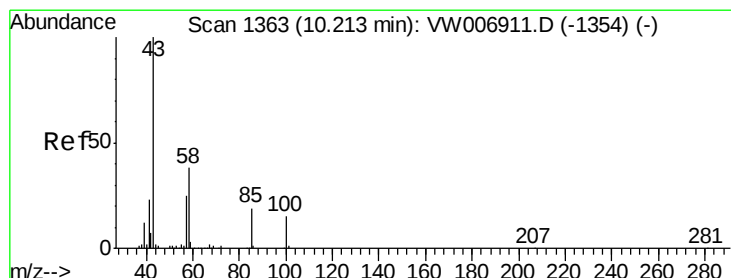
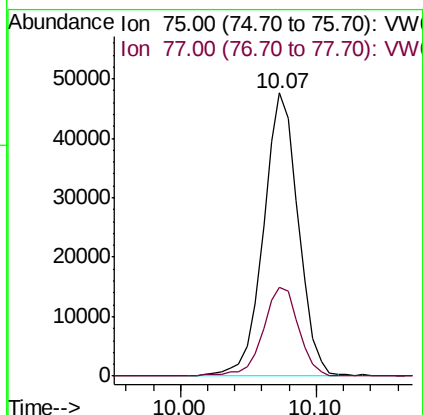
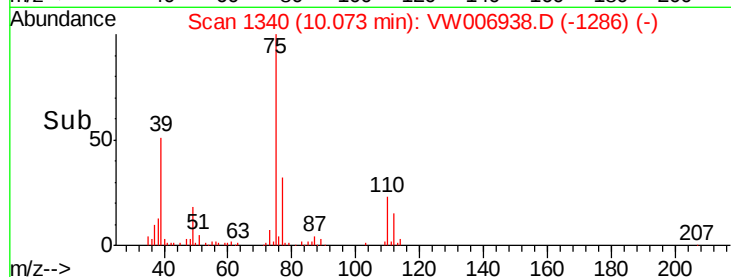
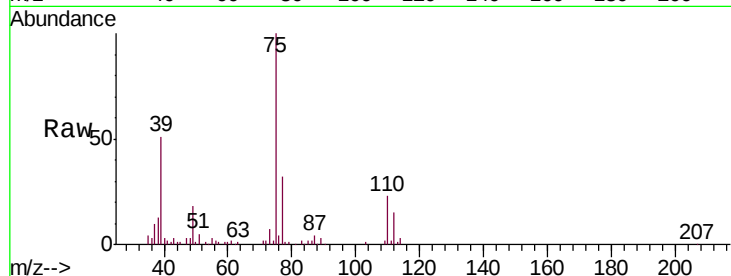
VSTD02594

Tgt Ion: 75 Resp: 85429

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 48.269 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

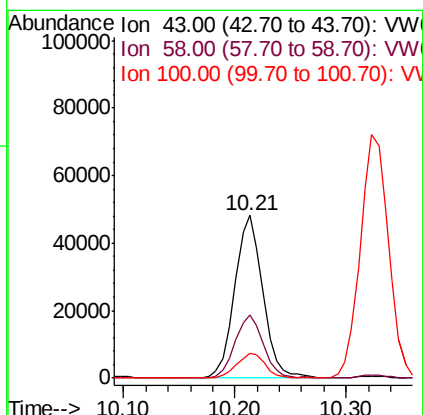
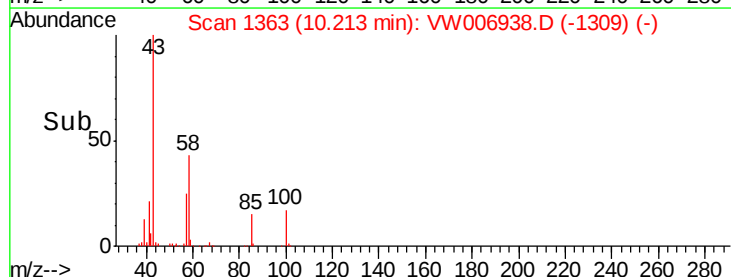
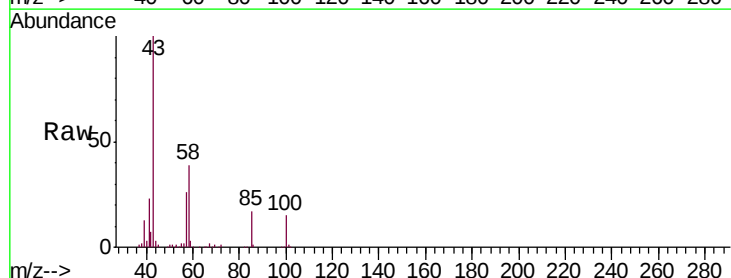
Tgt Ion: 43 Resp: 84160

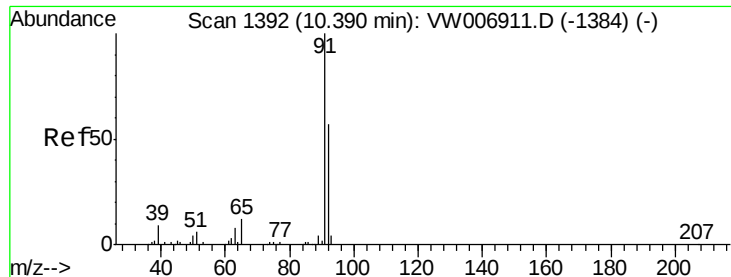
Ion Ratio Lower Upper

43 100

58 39.0 31.6 47.4

100 15.2 12.3 18.5





#44

Toluene

Concen: 25.170 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

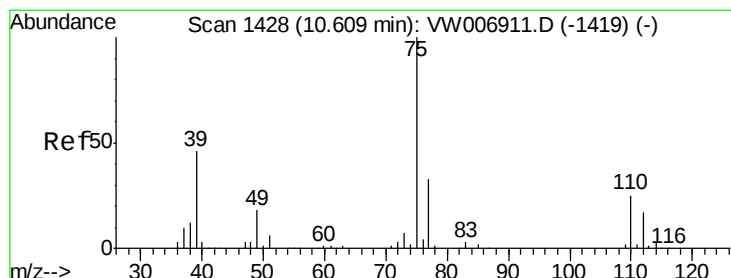
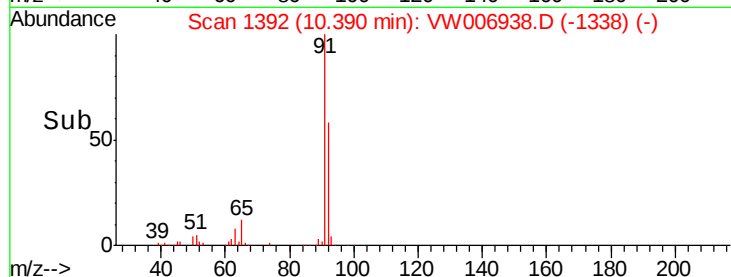
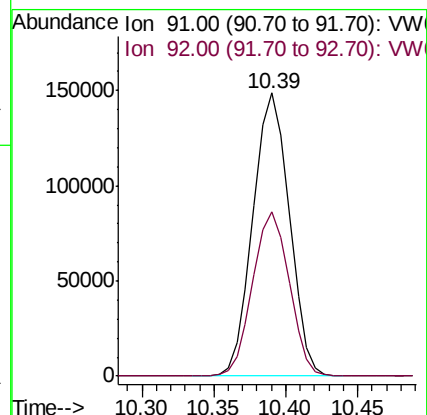
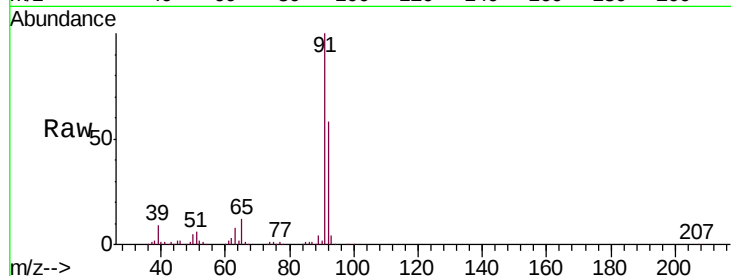
VSTD02594

Tgt Ion: 91 Resp: 260292

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 25.536 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006938.D

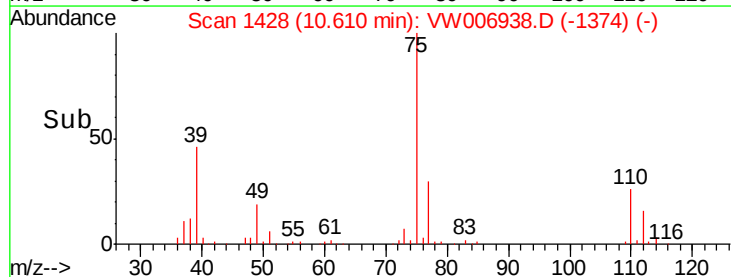
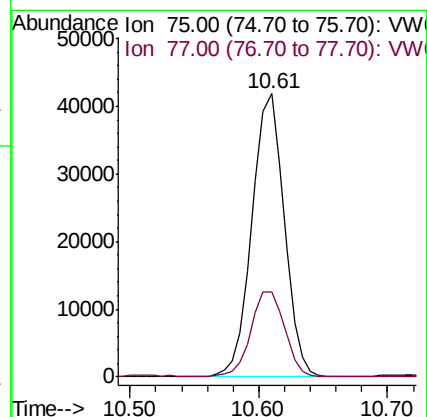
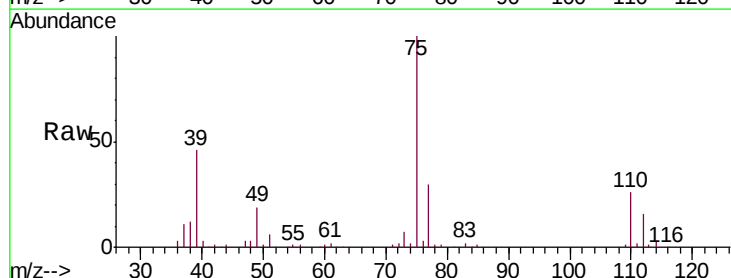
Acq: 19 Nov 2018 10:49

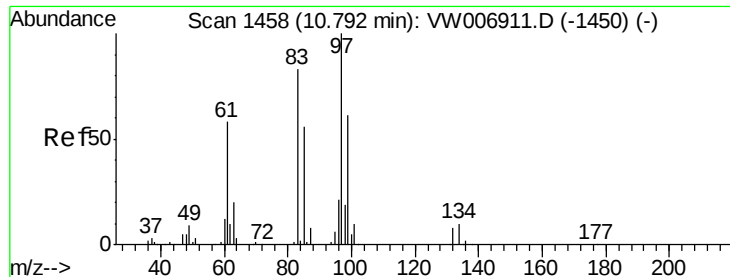
Tgt Ion: 75 Resp: 72499

Ion Ratio Lower Upper

75 100

77 30.2 22.7 42.1

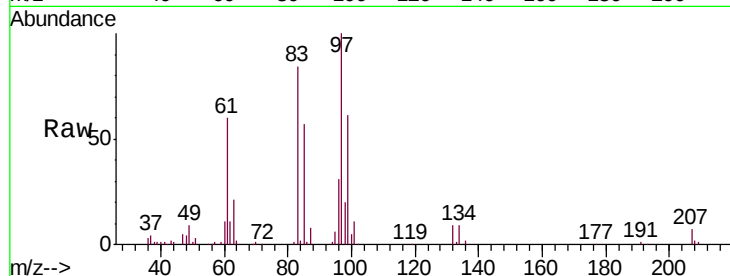




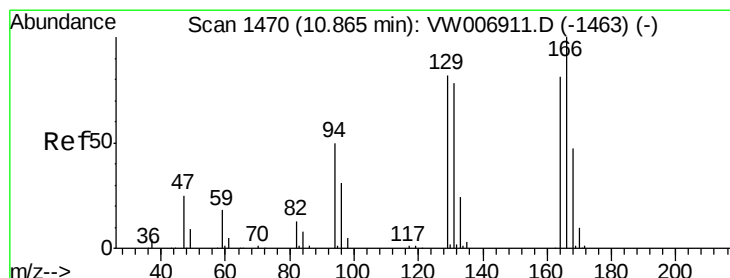
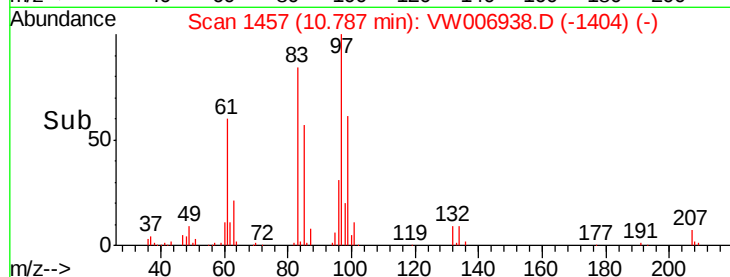
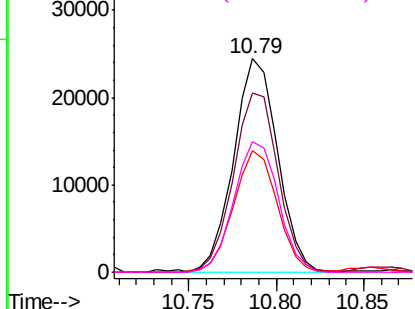
#46
 1,1,2-Trichloroethane
 Concen: 25.146 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

Tgt Ion:	97	Resp:	42839
Ion	Ratio	Lower	Upper
97	100		
83	84.1	59.6	110.8
85	56.7	37.7	70.1
99	61.4	43.4	80.6

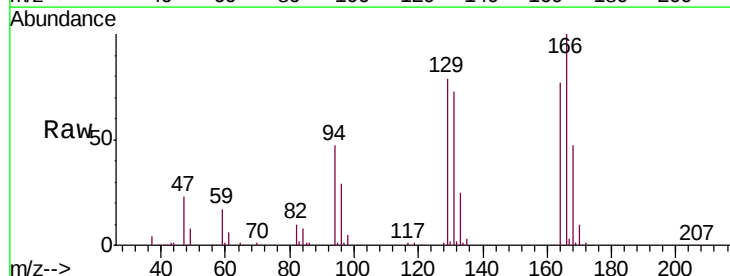


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

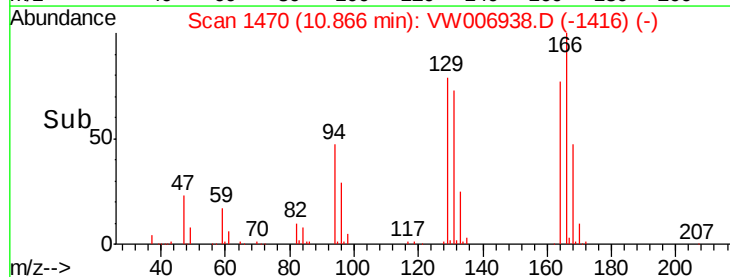
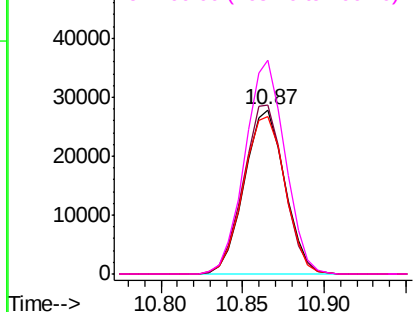


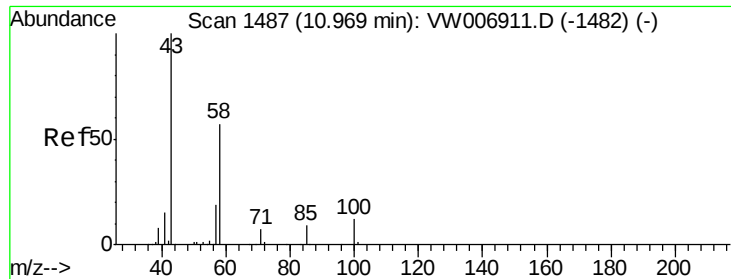
#47
 Tetrachloroethene
 Concen: 25.690 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

Tgt Ion:	164	Resp:	48322
Ion	Ratio	Lower	Upper
164	100		
129	103.0	75.0	139.2
131	95.7	72.5	134.7
166	130.3	93.7	174.1



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

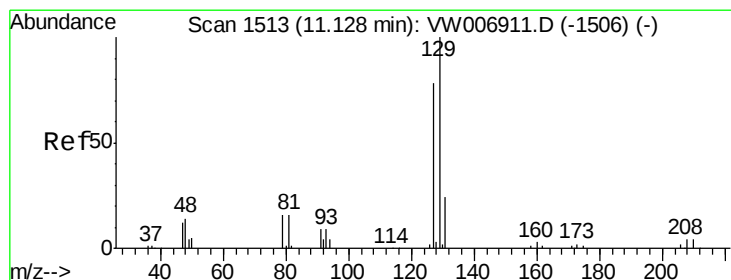
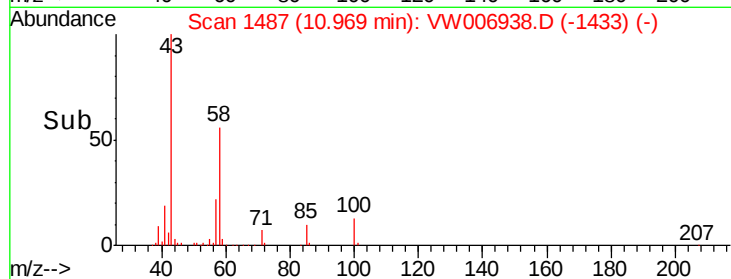
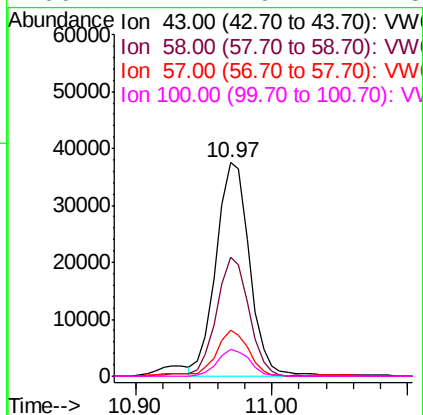
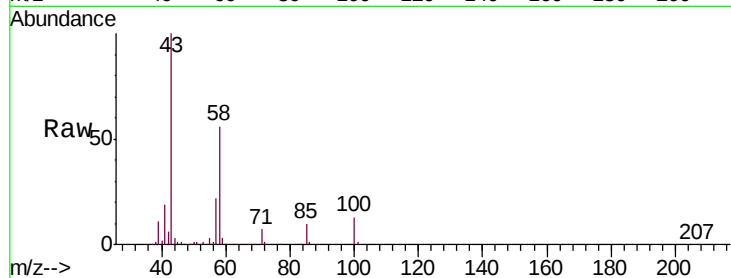




#49
2-Hexanone
Concen: 49.368 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

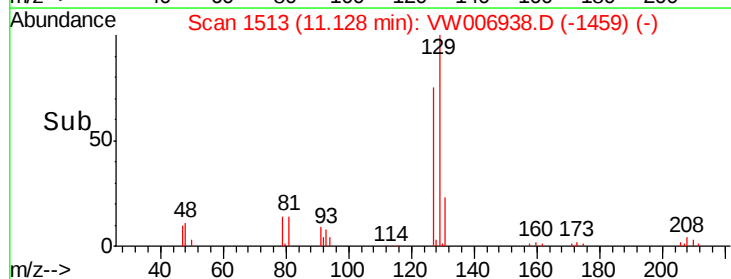
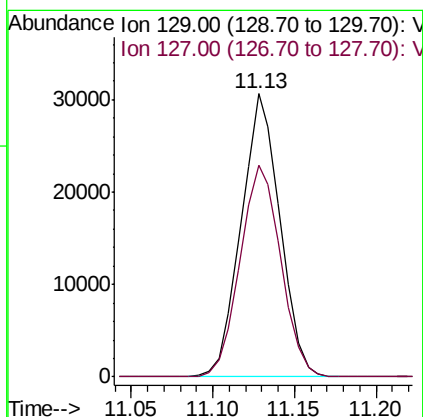
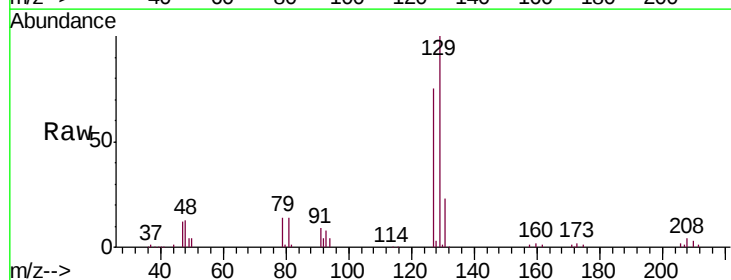
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

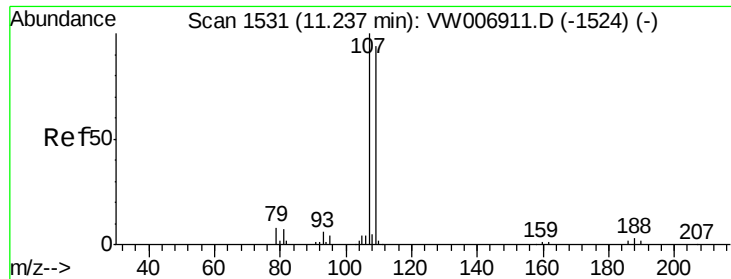
Tgt Ion: 43 Resp: 63729
Ion Ratio Lower Upper
43 100
58 53.4 44.6 67.0
57 20.4 16.0 24.0
100 12.2 9.7 14.5



#50
Dibromochloromethane
Concen: 27.578 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

Tgt Ion: 129 Resp: 50699
Ion Ratio Lower Upper
129 100
127 74.8 55.7 103.5

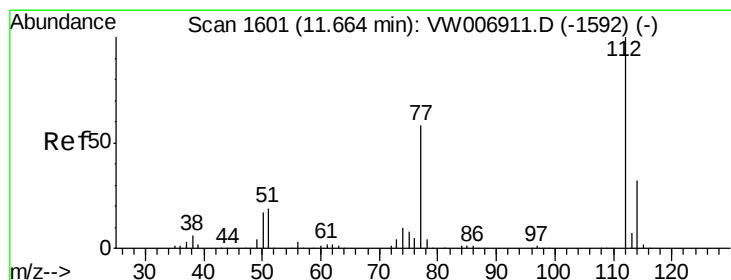
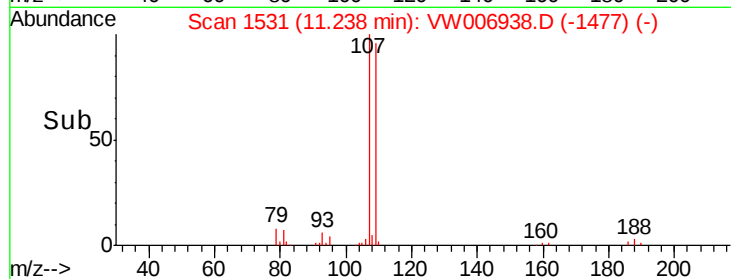
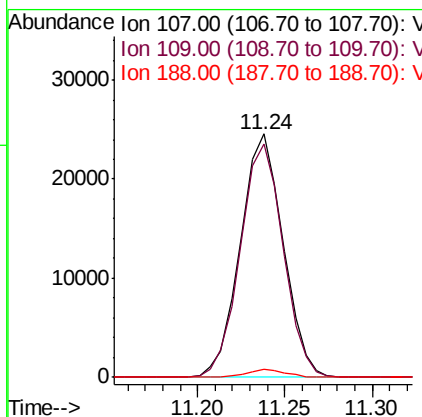
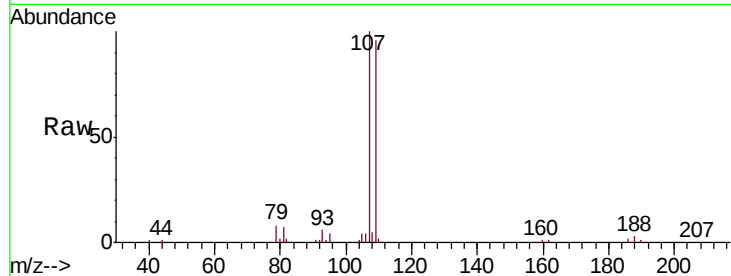




#51
1,2-Dibromoethane
Concen: 25.828 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

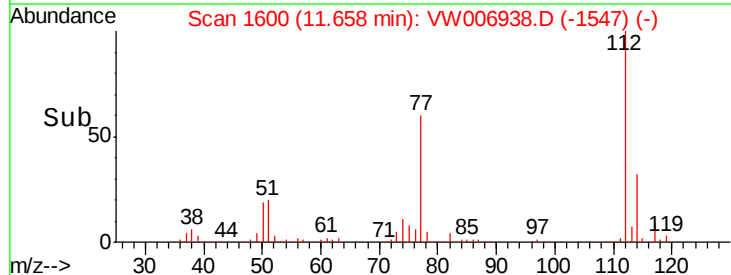
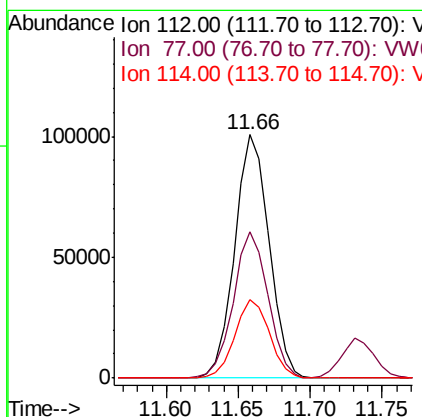
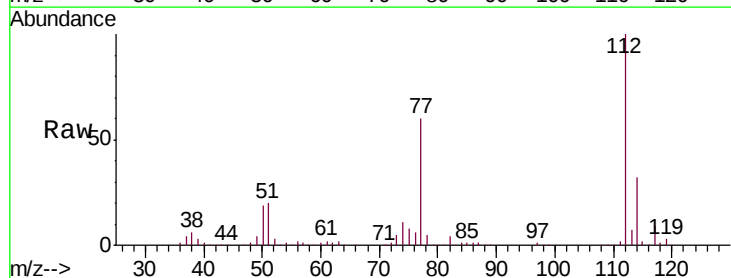
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

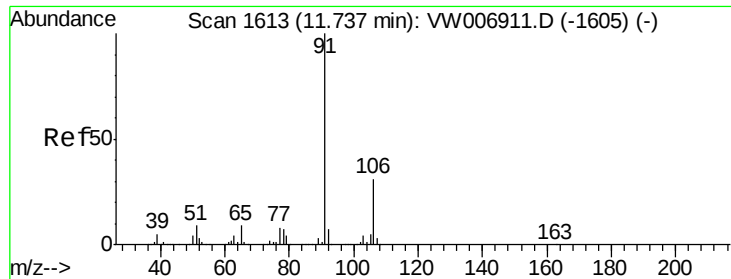
Tgt Ion:107 Resp: 41849
Ion Ratio Lower Upper
107 100
109 95.6 65.4 121.4
188 3.2 2.4 3.6



#52
Chlorobenzene
Concen: 25.694 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

Tgt Ion:112 Resp: 167121
Ion Ratio Lower Upper
112 100
77 60.1 47.8 71.8
114 32.1 22.3 41.5





#53

Ethylbenzene

Concen: 24.570 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

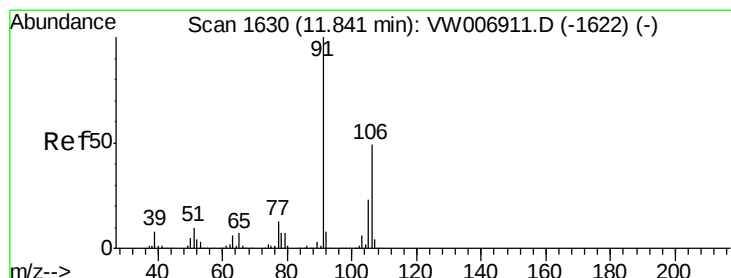
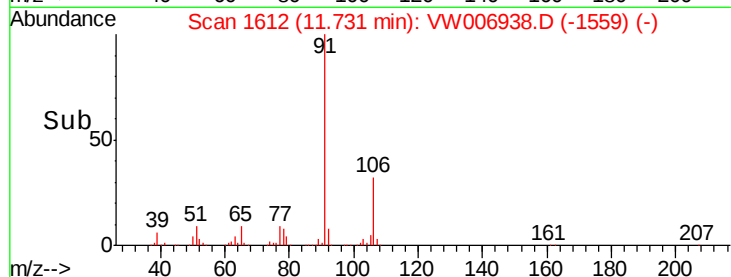
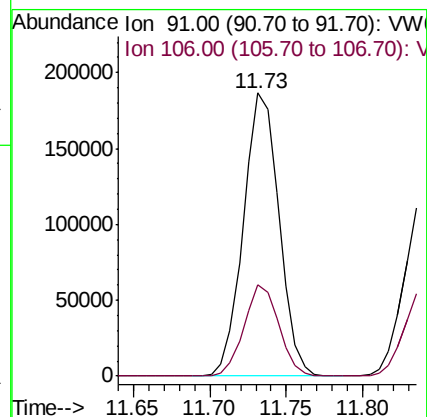
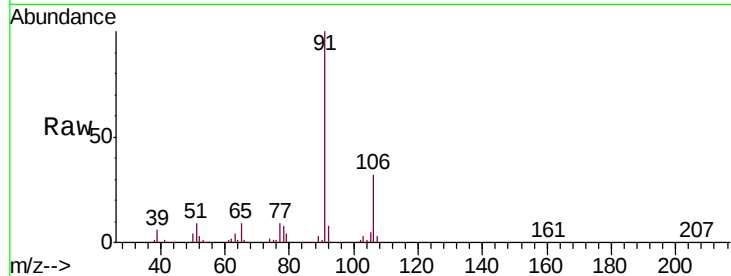
VSTD02594

Tgt Ion: 91 Resp: 302401

Ion Ratio Lower Upper

91 100

106 32.3 21.1 39.1



#54

m,p-Xylene

Concen: 25.279 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW006938.D

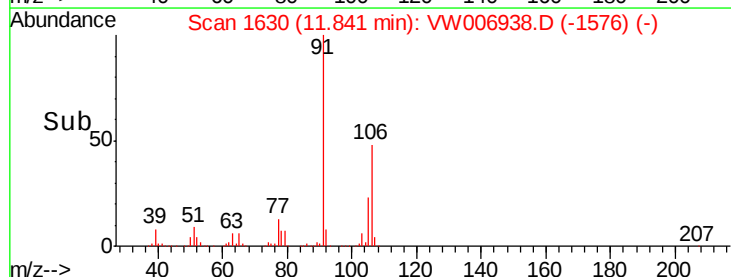
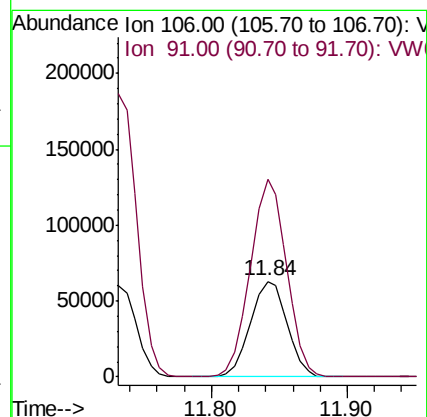
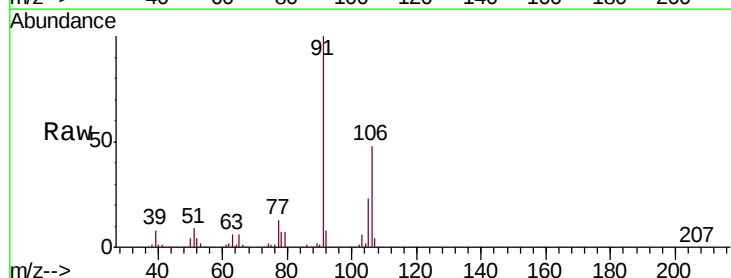
Acq: 19 Nov 2018 10:49

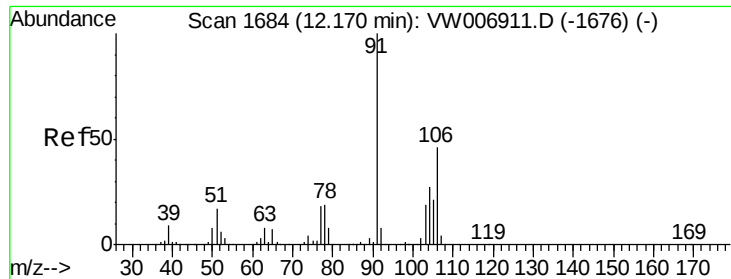
Tgt Ion: 106 Resp: 118996

Ion Ratio Lower Upper

106 100

91 206.6 141.5 262.9

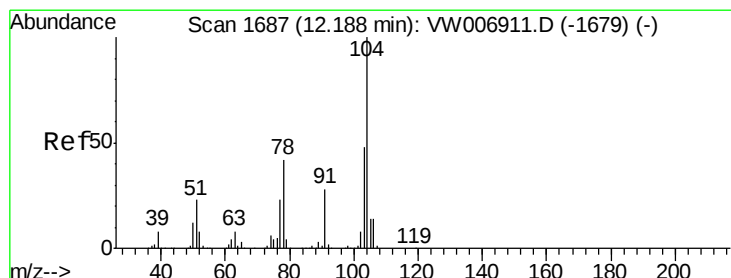
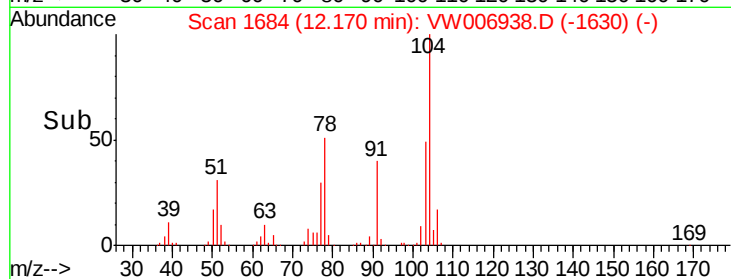
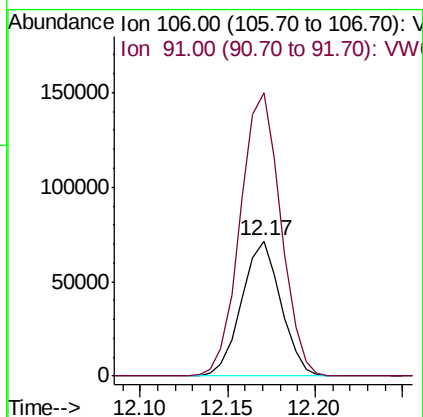
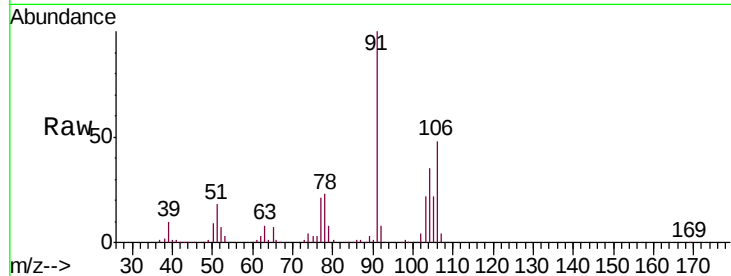




#55
o-xylene
Concen: 25.871 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

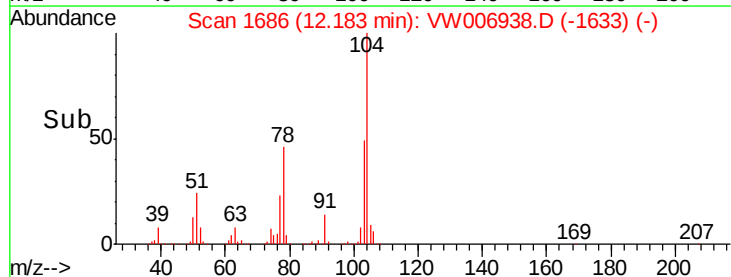
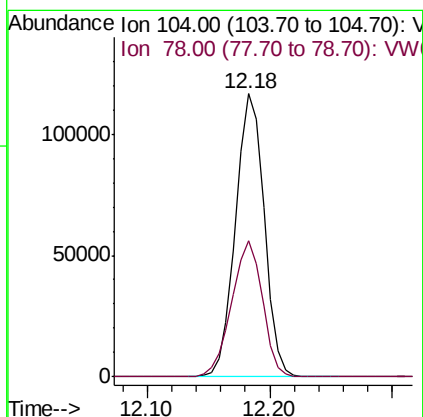
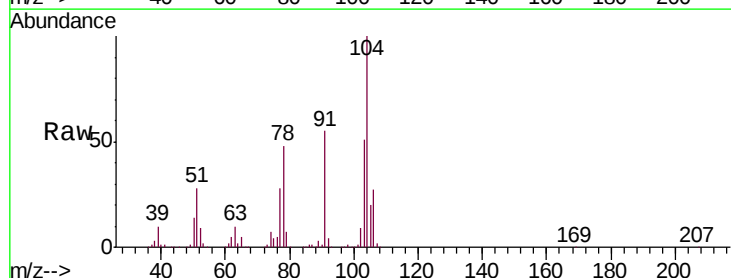
Instrument :
MSVOA_W
ClientSampled :
VSTD02594

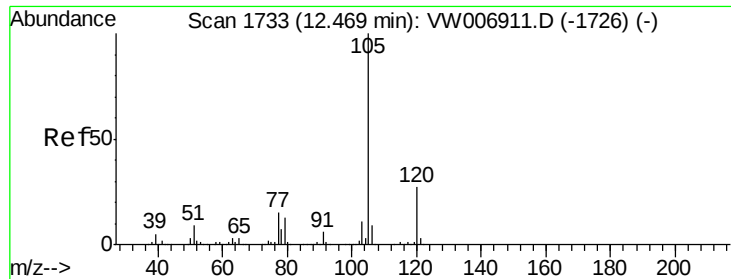
Tgt Ion:106 Resp: 111550
Ion Ratio Lower Upper
106 100
91 209.9 151.3 281.1



#56
Styrene
Concen: 26.418 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006938.D
Acq: 19 Nov 2018 10:49

Tgt Ion:104 Resp: 188826
Ion Ratio Lower Upper
104 100
78 48.3 32.8 60.8





#57

Isopropylbenzene

Concen: 24.921 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

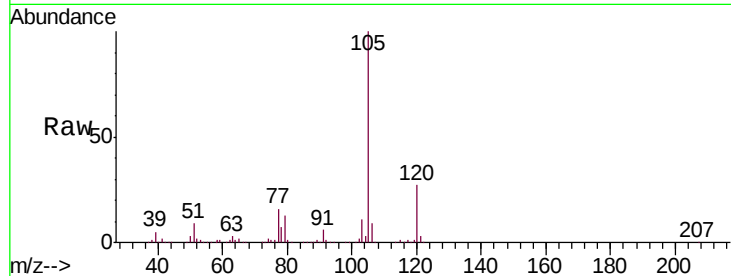
Tgt Ion: 105 Resp: 300827

Ion Ratio Lower Upper

105 100

120 26.6 20.7 31.1

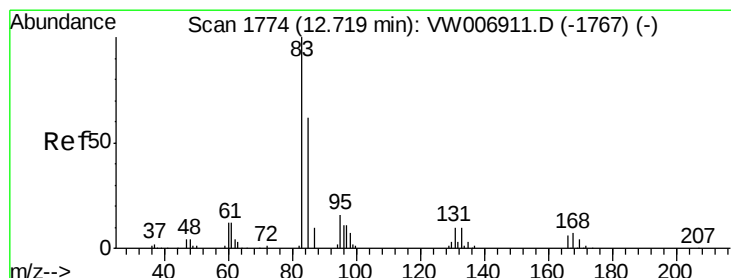
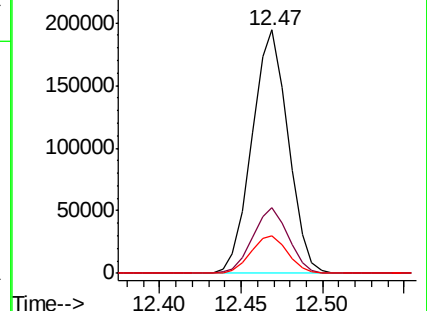
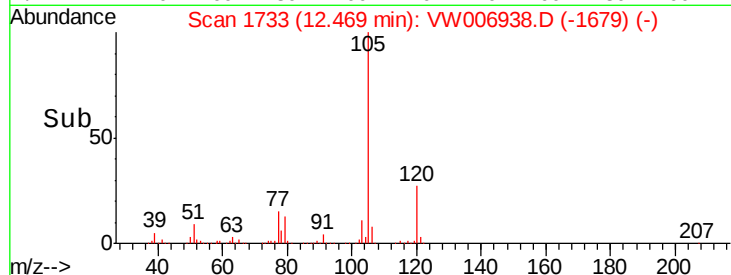
77 15.7 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.050 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

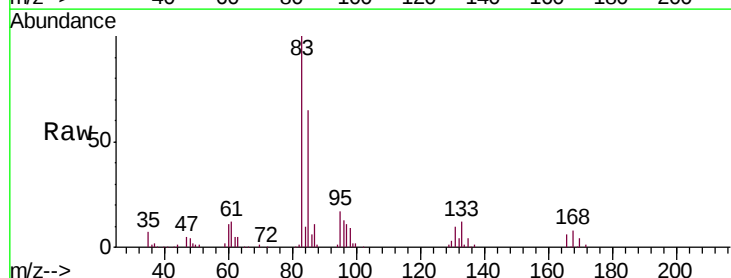
Tgt Ion: 83 Resp: 54143

Ion Ratio Lower Upper

83 100

85 64.6 44.4 82.5

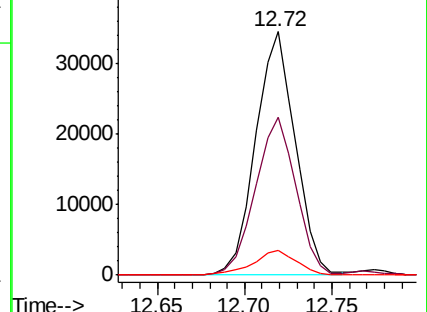
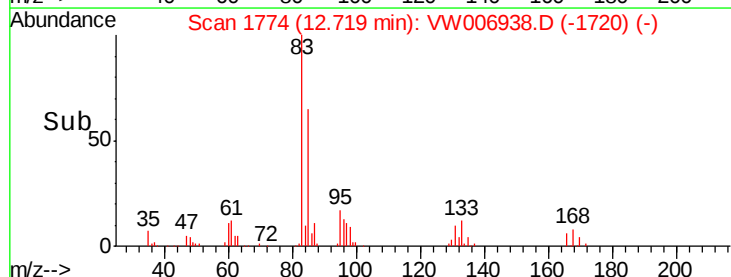
131 10.4 8.0 12.0

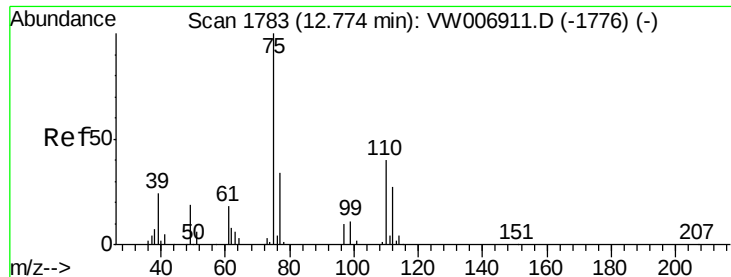


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.940 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

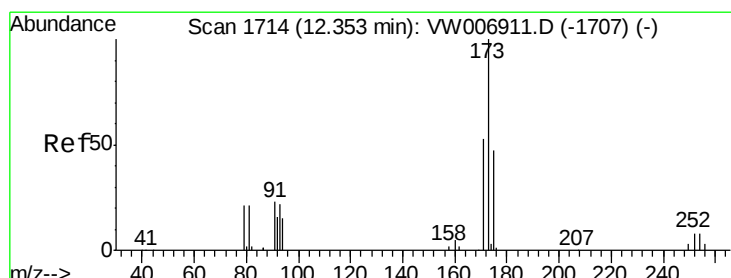
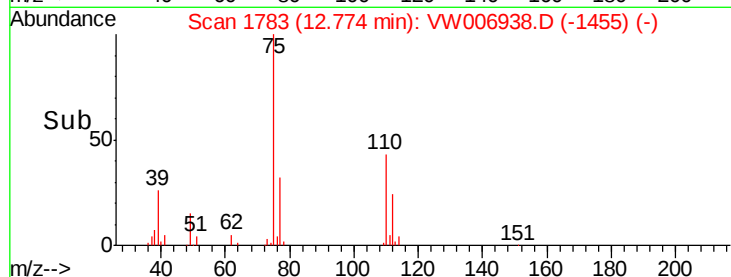
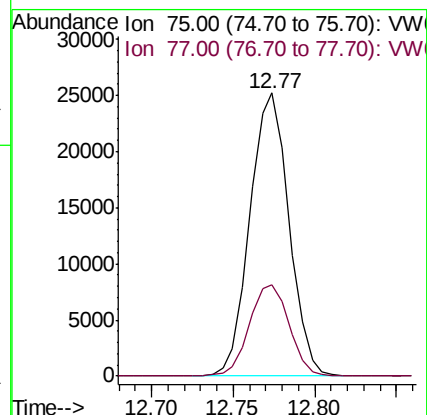
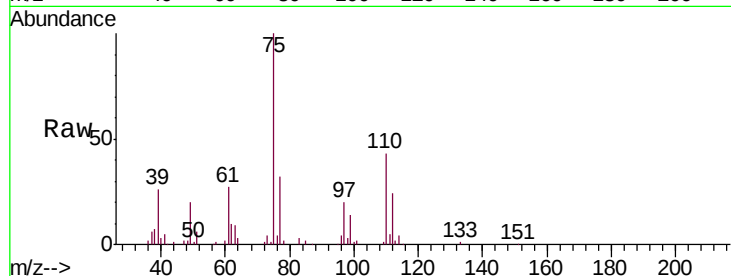
VSTD02594

Tgt Ion: 75 Resp: 41980

Ion Ratio Lower Upper

75 100

77 32.8 26.5 39.7



#62

Bromoform

Concen: 28.930 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

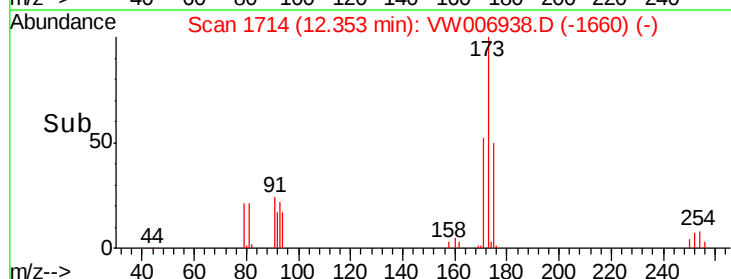
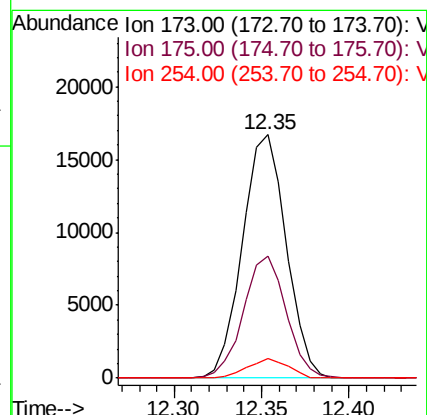
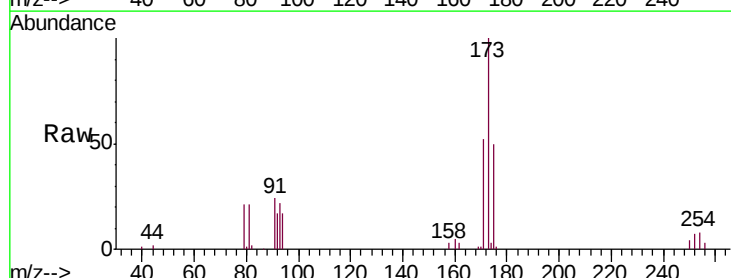
Tgt Ion: 173 Resp: 29111

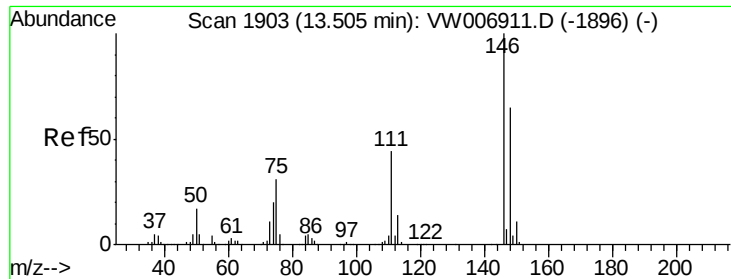
Ion Ratio Lower Upper

173 100

175 48.9 39.5 59.3

254 7.3 6.4 9.6

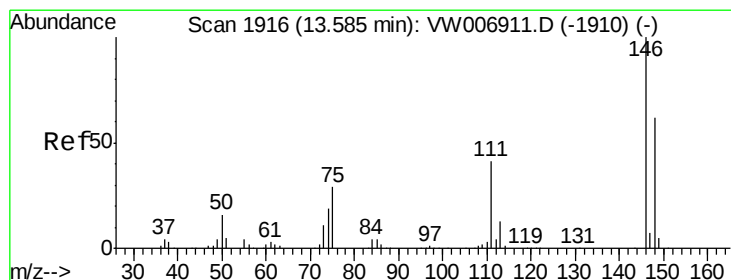
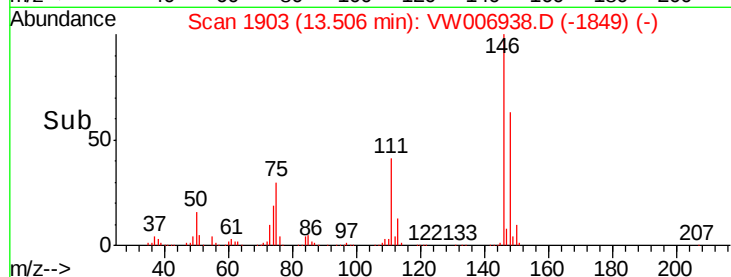
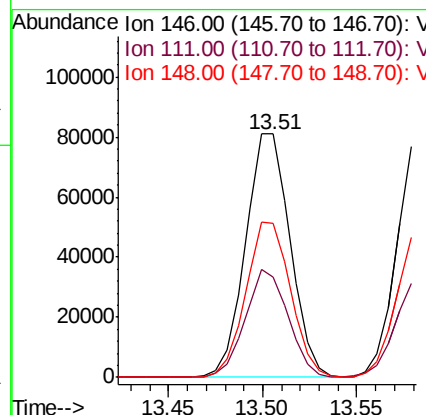
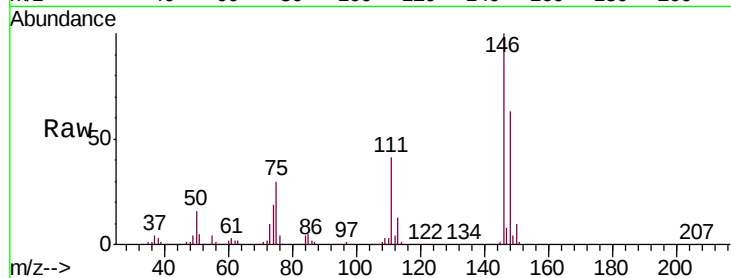




#63
 1,3-Dichlorobenzene
 Concen: 25.599 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

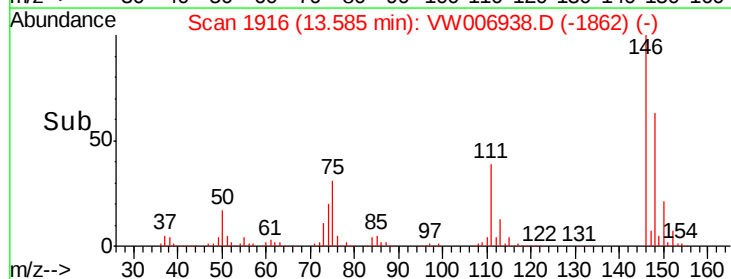
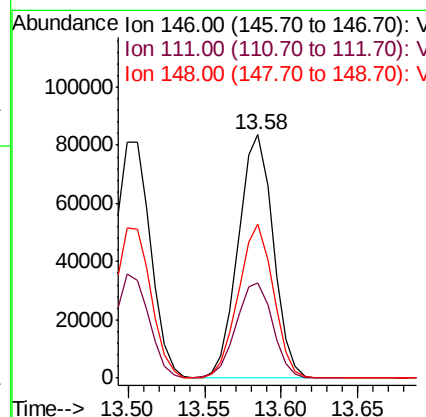
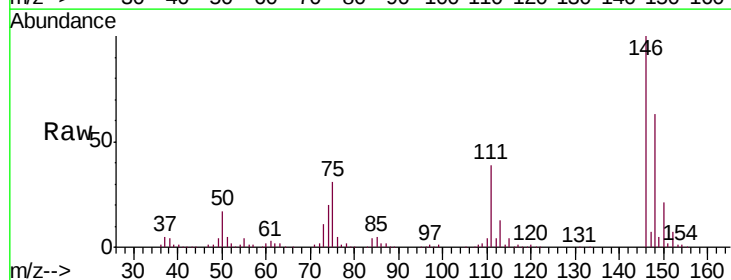
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

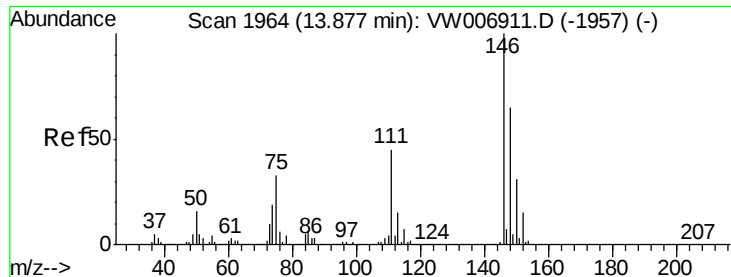
Tgt Ion:146 Resp: 133070
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.3 54.3
 148 63.4 43.0 80.0



#64
 1,4-Dichlorobenzene
 Concen: 25.648 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

Tgt Ion:146 Resp: 133086
 Ion Ratio Lower Upper
 146 100
 111 38.9 28.8 53.4
 148 63.5 43.2 80.2

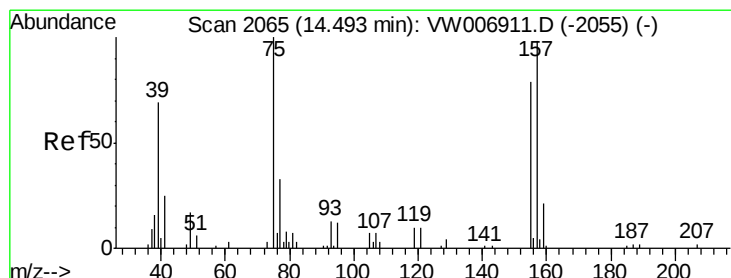
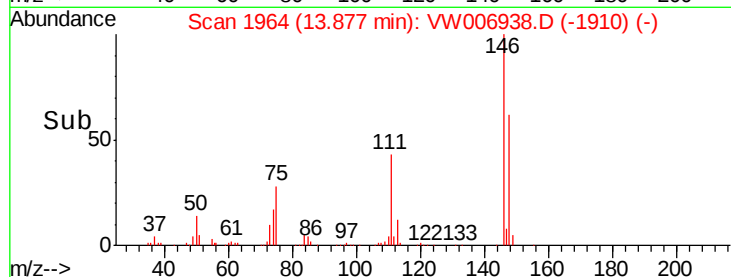
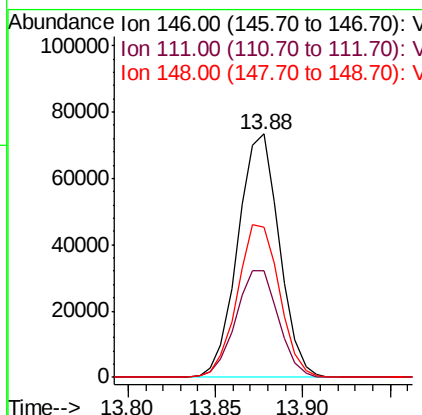
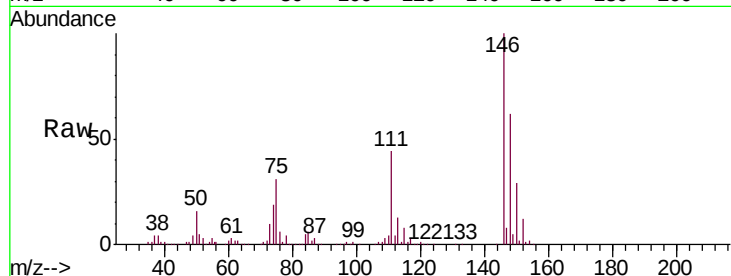




#65
 1,2-Dichlorobenzene
 Concen: 26.027 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

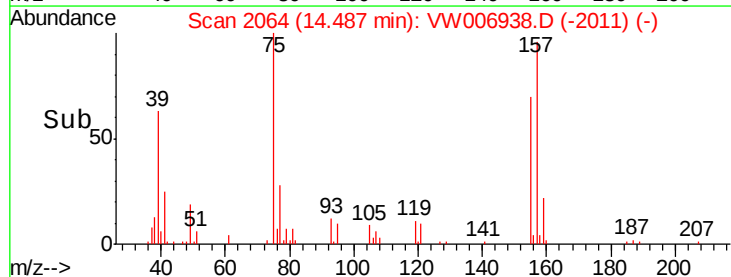
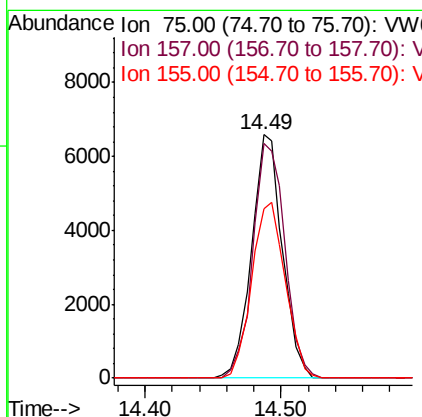
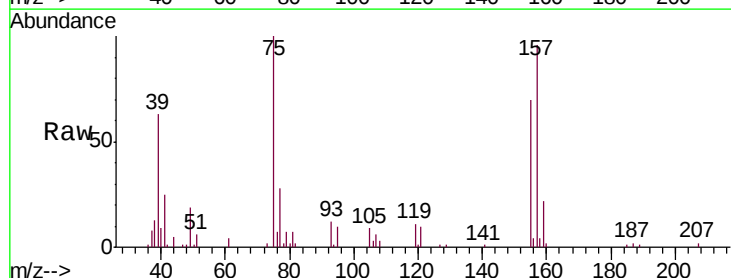
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

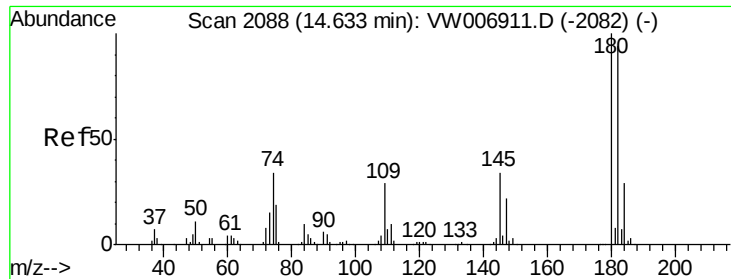
Tgt Ion:146 Resp: 121680
 Ion Ratio Lower Upper
 146 100
 111 43.7 36.0 54.0
 148 61.8 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.075 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

Tgt Ion: 75 Resp: 10434
 Ion Ratio Lower Upper
 75 100
 157 96.4 85.0 127.6
 155 69.7 67.7 101.5

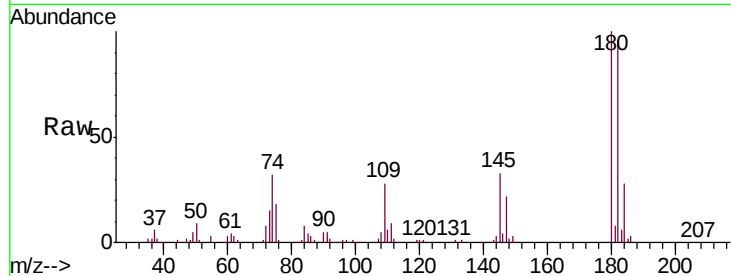




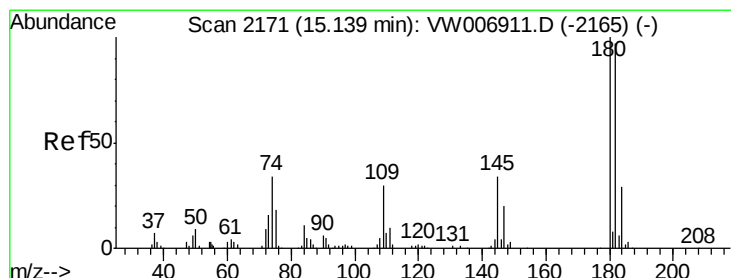
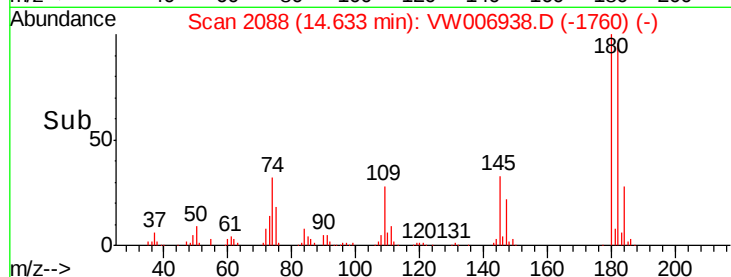
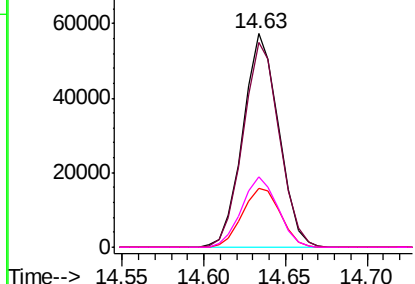
#67
 1,3,5-Trichlorobenzene
 Concen: 24.816 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

Tgt Ion:180 Resp: 87662
 Ion Ratio Lower Upper
 180 100
 182 97.1 75.6 113.4
 184 29.4 24.2 36.4
 145 33.3 26.4 39.6

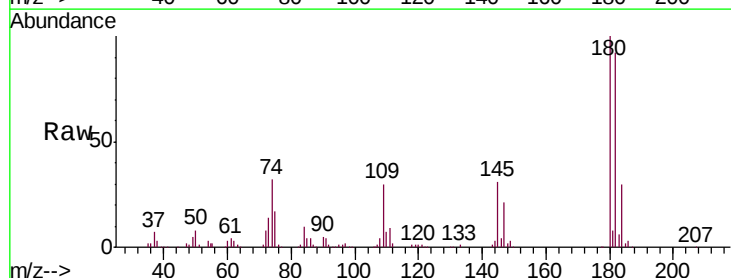


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

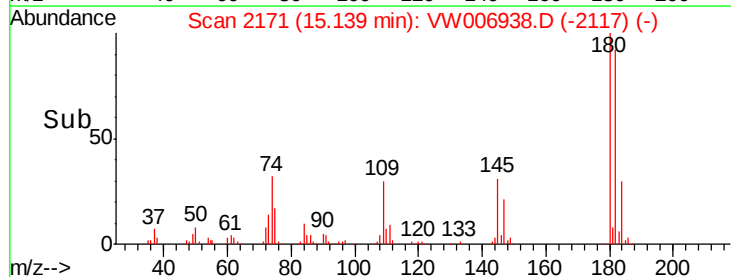
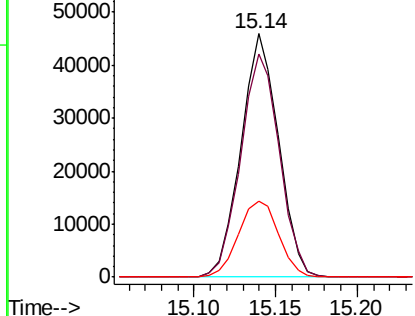


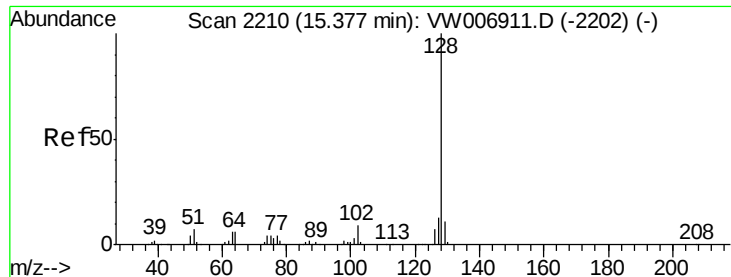
#68
 1,2,4-trichlorobenzene
 Concen: 25.638 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006938.D
 Acq: 19 Nov 2018 10:49

Tgt Ion:180 Resp: 73804
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.5 113.3
 145 33.4 27.4 41.2



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: 24.097 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

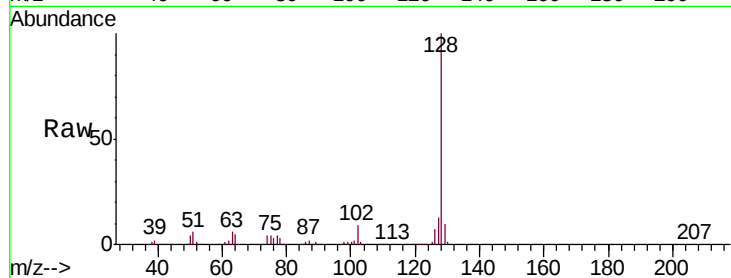
Tgt Ion:128 Resp: 166287

Ion Ratio Lower Upper

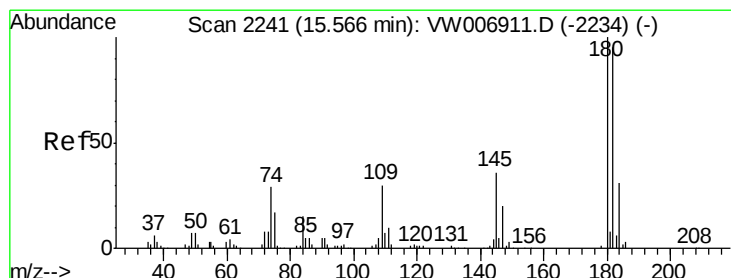
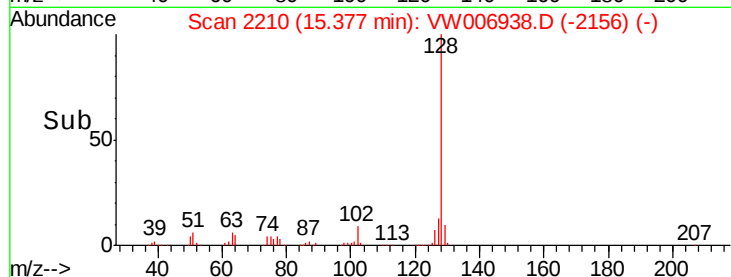
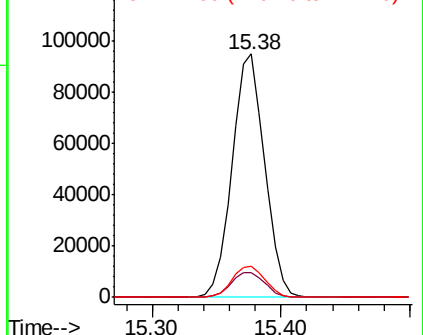
128 100

129 10.7 8.9 13.3

127 13.0 10.6 15.8



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: 25.469 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006938.D

Acq: 19 Nov 2018 10:49

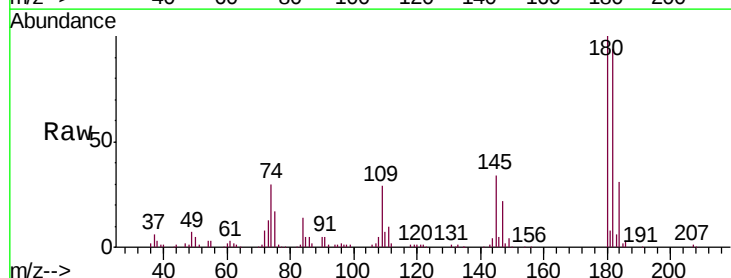
Tgt Ion:180 Resp: 65182

Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

145 35.4 28.8 43.2



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

