

Data File : VW006909.D
Acq On : 15 Nov 2018 20:18
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

Quant Time: Nov 16 04:55:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 04:49:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	163064	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	156005	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	71567	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	35878	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.12%
7) Chloroethane-d5	2.89	69	27275	25.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.72%
10) 1,1-Dichloroethene-d2	4.03	63	92233	23.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.40%
20) 2-Butanone-d5	7.09	46	40705	51.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.04%
24) Chloroform-d	7.65	84	87702	24.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.16%
26) 1,2-Dichloroethane-d4	8.31	65	52165	25.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.40%
29) Benzene-d6	8.28	84	184138	22.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.32%
33) 1,2-Dichloropropane-d6	9.28	67	56439	22.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.44%
37) Toluene-d8	10.33	98	191182	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.56%
38) trans-1,3-Dichloropropene-	10.58	79	25703	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.88%
39) 2-Hexanone-d5	10.93	63	33147	53.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	54985	25.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	64238	23.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	55850	24.559 ug/L	99
3) Chloromethane	2.21	50	43997	24.787 ug/L	98
5) Vinyl chloride	2.36	62	45453	25.174 ug/L	99
6) Bromomethane	2.78	94	22452	27.659 ug/L	100
8) Chloroethane	2.92	64	23956	24.621 ug/L	97
9) Trichlorofluoromethane	3.27	101	81493	25.394 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	52463	24.440 ug/L	98
12) 1,1-Dichloroethene	4.04	96	45737	24.552 ug/L	95
13) Acetone	4.14	43	27948	54.375 ug/L	97
14) Carbon disulfide	4.39	76	153881	22.946 ug/L	100
15) Methyl Acetate	4.68	43	34519	27.580 ug/L	100
16) Methylene chloride	4.92	84	59523	20.875 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	135773	27.067 ug/L #	89
18) trans-1,2-Dichloroethene	5.43	96	51862	24.385 ug/L	97
19) 1,1-Dichloroethane	6.23	63	87051	25.074 ug/L	99
21) 2-Butanone	7.18	43	46140	52.028 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	54803	25.235 ug/L	98

Data File : VW006909.D
Acq On : 15 Nov 2018 20:18
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

Quant Time: Nov 16 04:55:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 04:49:42 2018
Response via : Initial Calibration

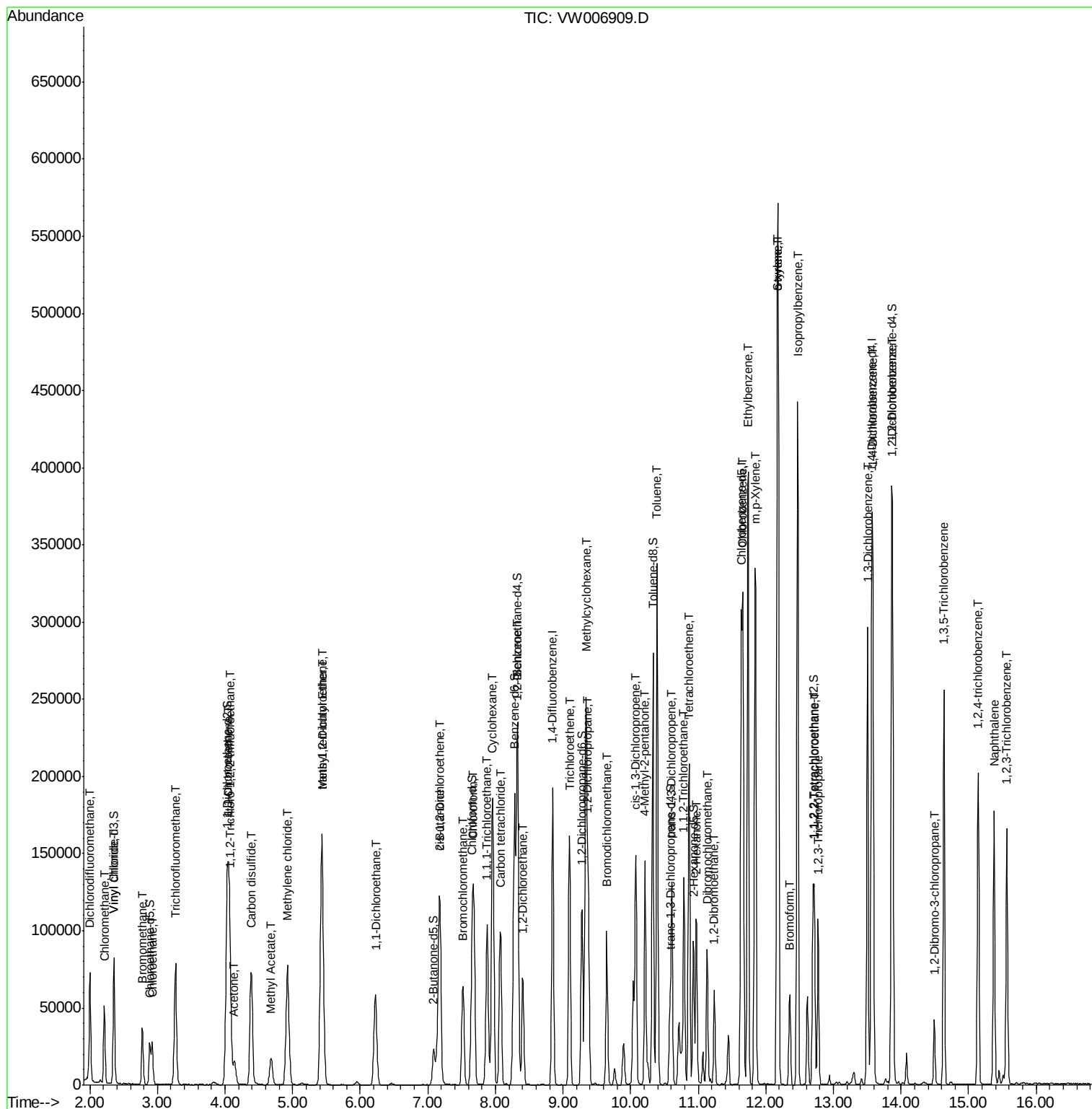
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	23543	26.597	ug/L	96
25) Chloroform	7.68	83	98024	24.419	ug/L	100
27) 1,2-Dichloroethane	8.40	62	65027	27.548	ug/L	100
30) Cyclohexane	7.96	56	96825	23.410	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	86569	24.936	ug/L	99
32) Carbon tetrachloride	8.07	117	76792	25.167	ug/L	100
34) Benzene	8.33	78	209612	24.026	ug/L	100
35) Trichloroethene	9.10	95	57667	24.267	ug/L	99
36) Methylcyclohexane	9.34	83	107024	23.431	ug/L	99
40) 1,2-Dichloropropane	9.37	63	53708	24.987	ug/L	100
41) Bromodichloromethane	9.65	83	67906	25.752	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	82789	25.511	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	93929	55.769	ug/L	99
44) Toluene	10.39	91	247501	24.776	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	71560	26.093	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	42666	25.926	ug/L	97
47) Tetrachloroethene	10.87	164	45517	25.051	ug/L	96
49) 2-Hexanone	10.97	43	67325	53.990	ug/L	100
50) Dibromochloromethane	11.13	129	48062	27.064	ug/L	96
51) 1,2-Dibromoethane	11.24	107	41898	26.769	ug/L	97
52) Chlorobenzene	11.66	112	158441	25.217	ug/L	99
53) Ethylbenzene	11.74	91	287338	24.168	ug/L	97
54) m,p-Xylene	11.84	106	109794	24.146	ug/L	96
55) o-xylene	12.17	106	102436	24.594	ug/L	100
56) Styrene	12.18	104	174048	25.208	ug/L	97
57) Isopropylbenzene	12.47	105	283341	24.299	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	56235	26.935	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	44177	27.169	ug/L	97
62) Bromoform	12.35	173	26893	29.944	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	119470	25.751	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	118227	25.528	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	108338	25.964	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	10894	28.163	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	75593	23.977	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	61621	23.984	ug/L	99
69) Naphthalene	15.38	128	151948	24.671	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	54843	24.010	ug/L	100

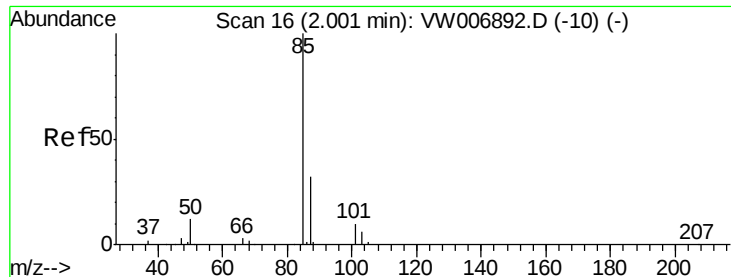
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW006909.D
Acq On : 15 Nov 2018 20:18
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample ID :
VSTD02591

Quant Time: Nov 16 04:55:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 04:49:42 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.559 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

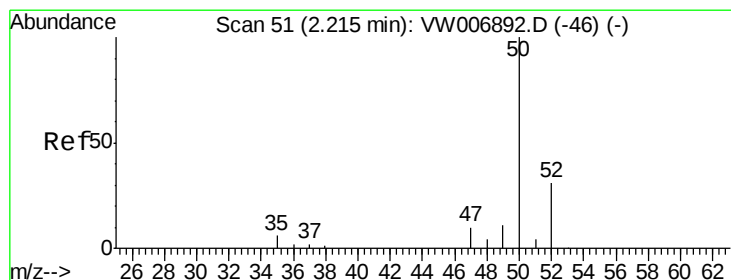
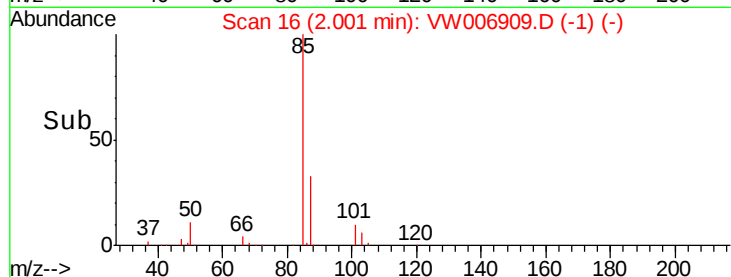
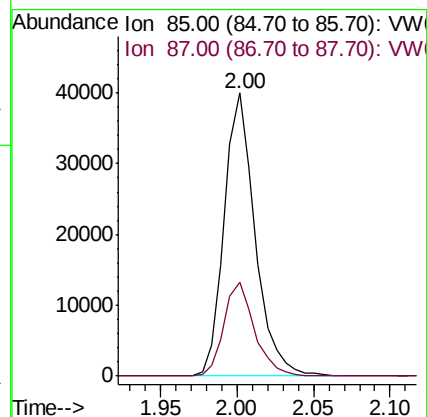
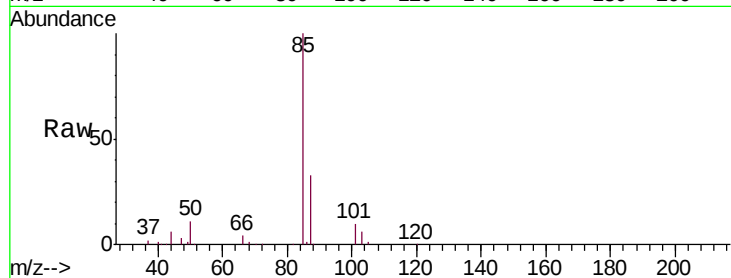
VSTD02591

Tgt Ion: 85 Resp: 55850

Ion Ratio Lower Upper

85 100

87 33.1 22.6 42.0



#3

Chloromethane

Concen: 24.787 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006909.D

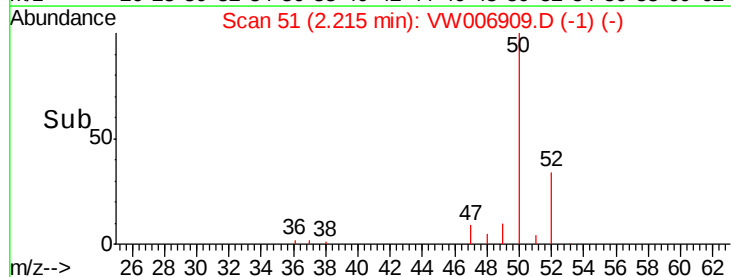
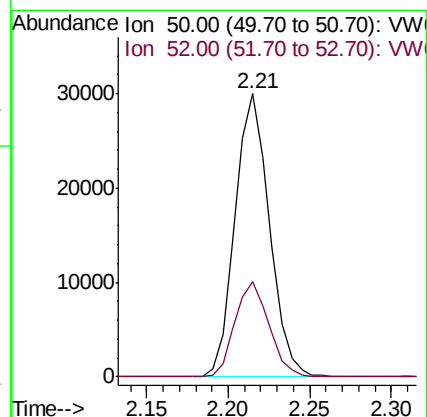
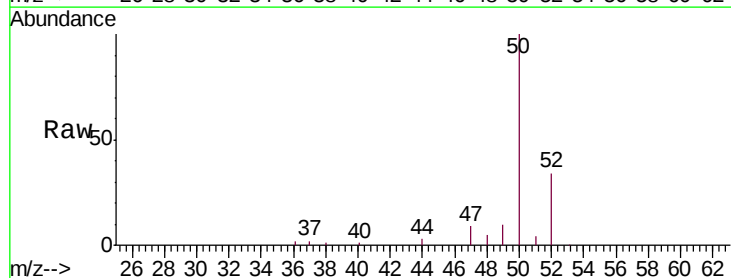
Acq: 15 Nov 2018 20:18

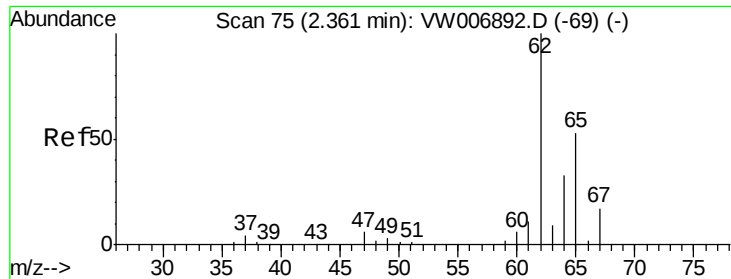
Tgt Ion: 50 Resp: 43997

Ion Ratio Lower Upper

50 100

52 33.7 24.4 45.4





#5

Vinyl chloride

Concen: 25.174 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

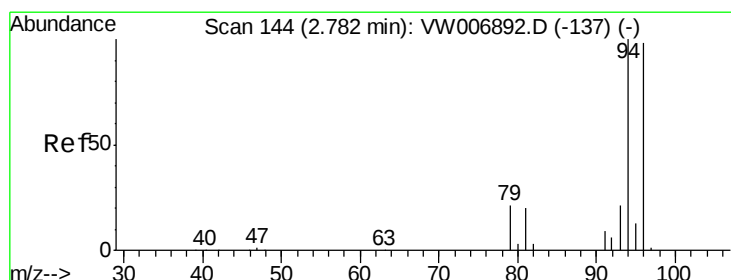
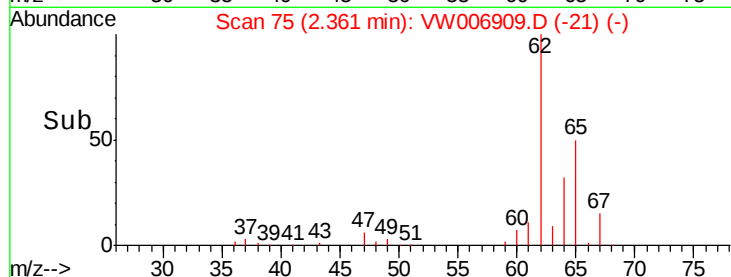
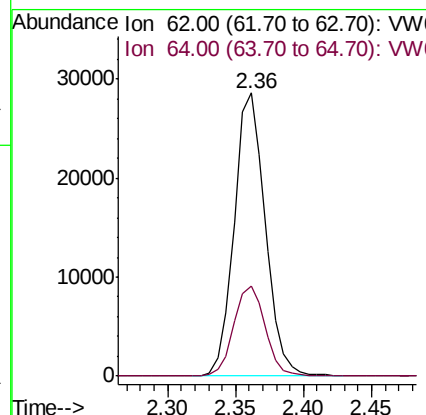
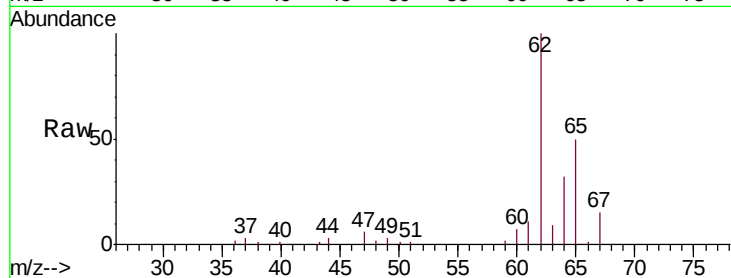
VSTD02591

Tgt Ion: 62 Resp: 45453

Ion Ratio Lower Upper

62 100

64 31.8 21.9 40.7



#6

Bromomethane

Concen: 27.659 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW006909.D

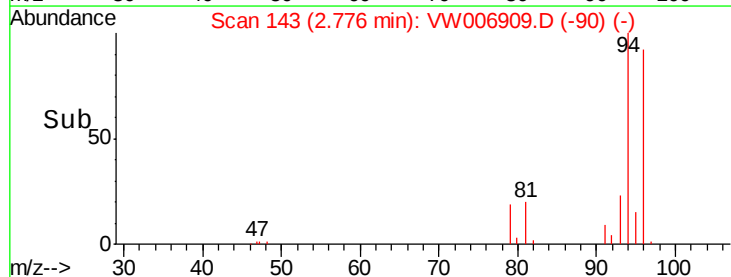
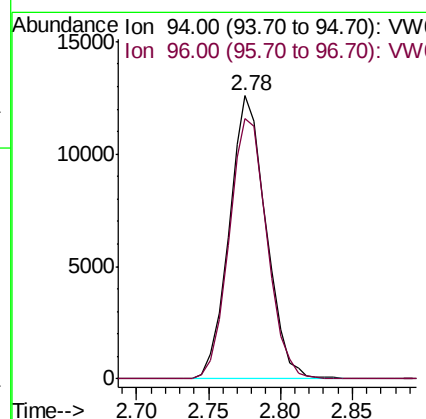
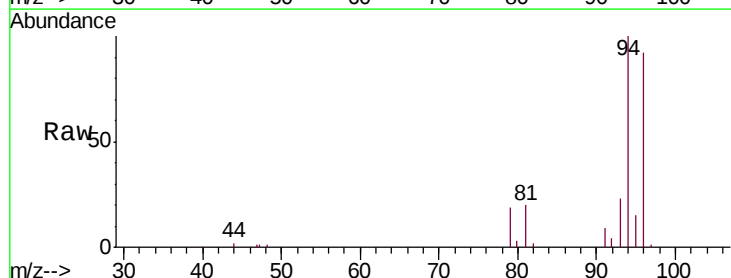
Acq: 15 Nov 2018 20:18

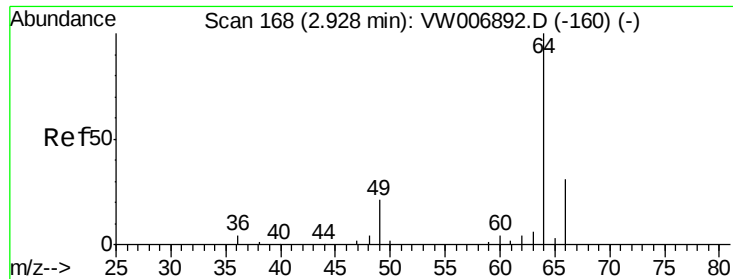
Tgt Ion: 94 Resp: 22452

Ion Ratio Lower Upper

94 100

96 94.1 9.4 179.5





#8

Chloroethane

Concen: 24.621 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

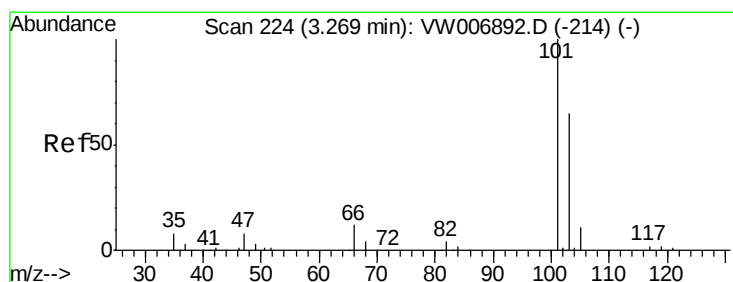
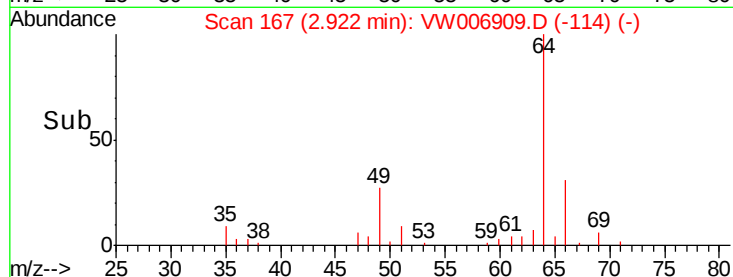
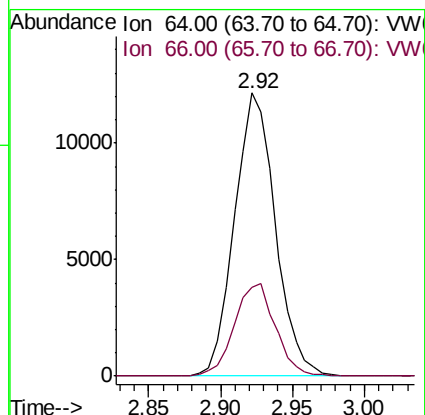
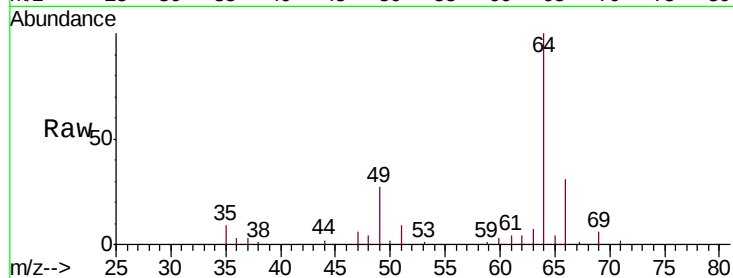
VSTD02591

Tgt Ion: 64 Resp: 23956

Ion Ratio Lower Upper

64 100

66 31.2 20.8 38.6



#9

Trichlorofluoromethane

Concen: 25.394 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW006909.D

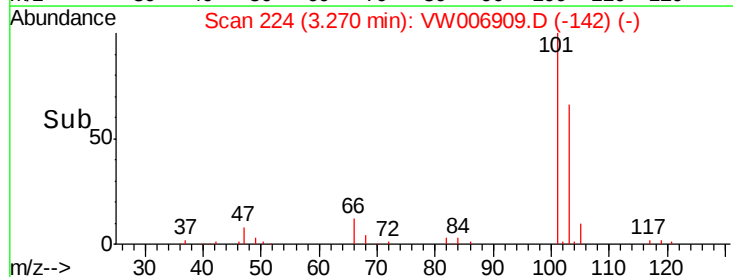
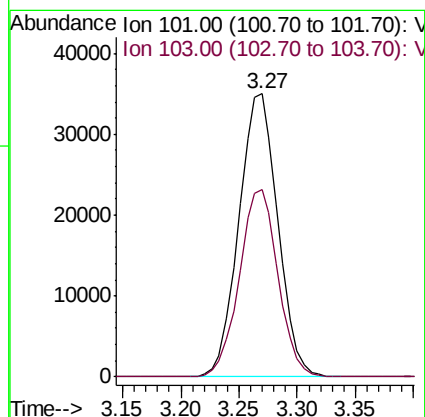
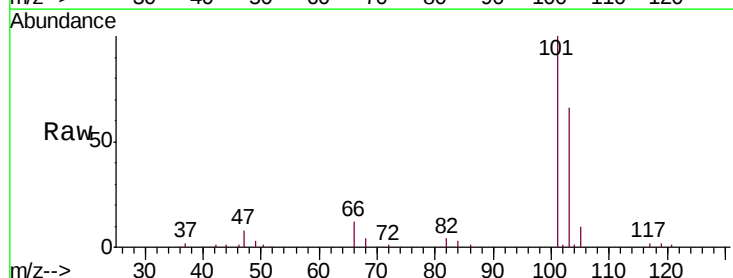
Acq: 15 Nov 2018 20:18

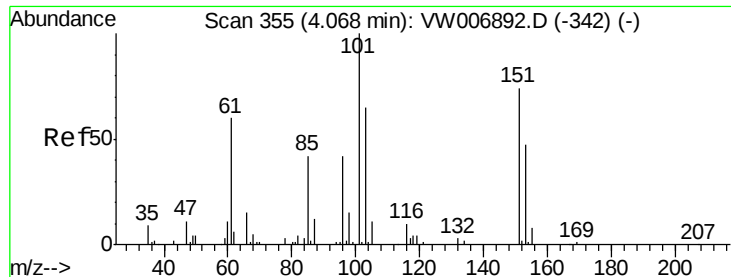
Tgt Ion: 101 Resp: 81493

Ion Ratio Lower Upper

101 100

103 65.8 46.1 85.5





#11

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

Concen: 24.440 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

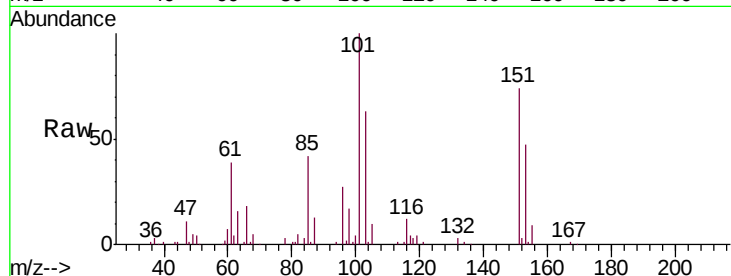
Tgt Ion:101 Resp: 52463

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.8

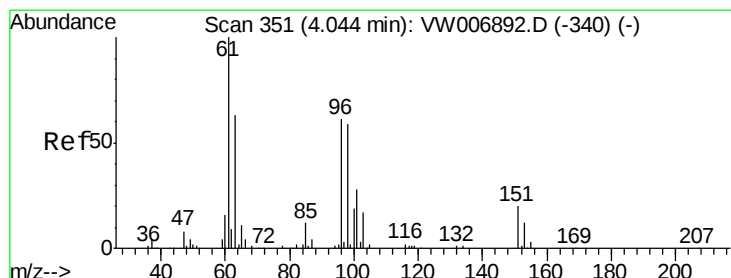
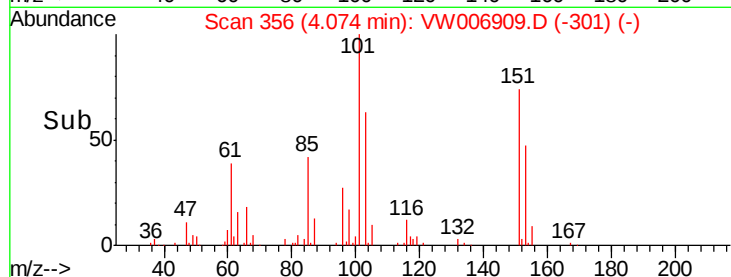
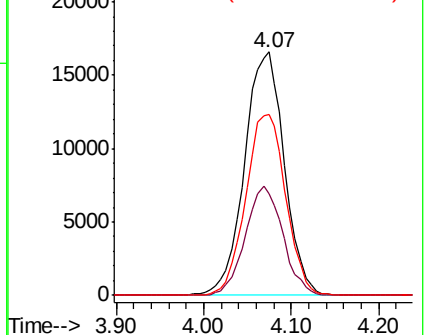
151 74.7 57.5 86.3



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: 24.552 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

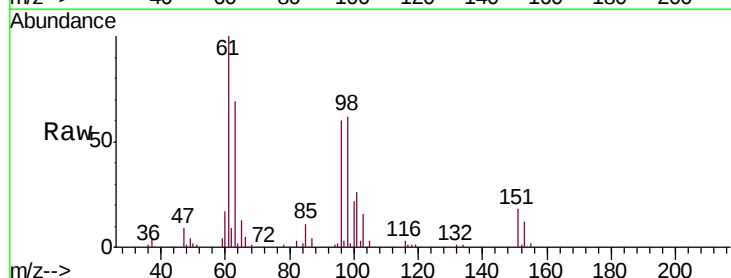
Tgt Ion: 96 Resp: 45737

Ion Ratio Lower Upper

96 100

61 168.0 116.3 215.9

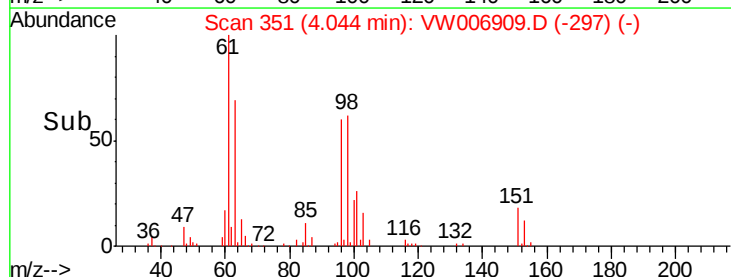
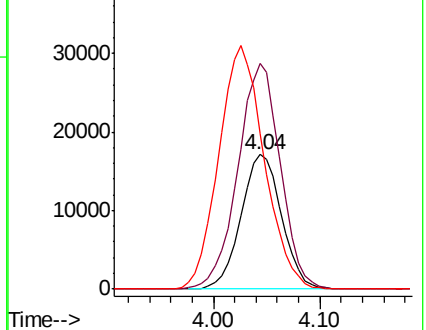
63 115.9 73.4 136.4

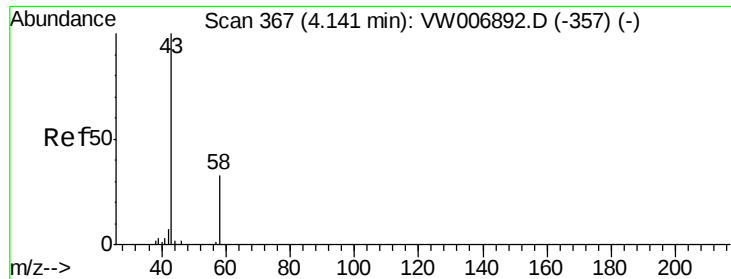


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.375 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

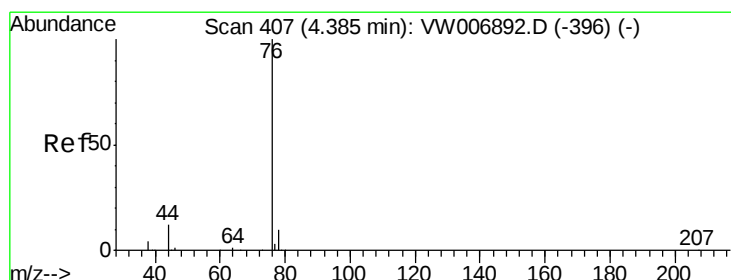
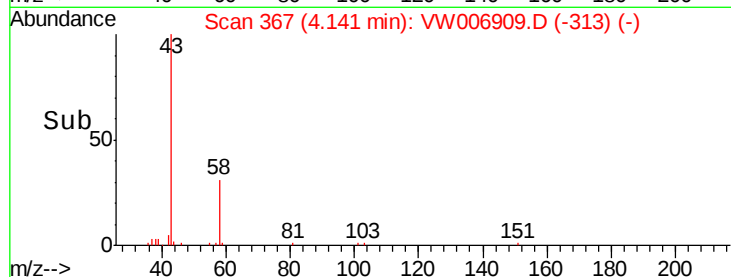
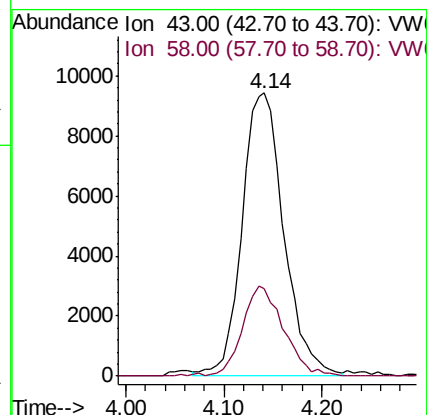
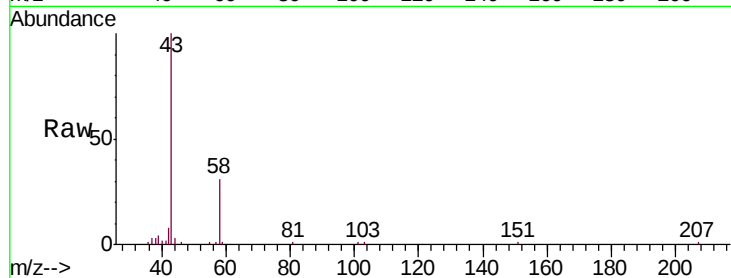
VSTD02591

Tgt Ion: 43 Resp: 27948

Ion Ratio Lower Upper

43 100

58 31.1 0.0 65.6



#14

Carbon disulfide

Concen: 22.946 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006909.D

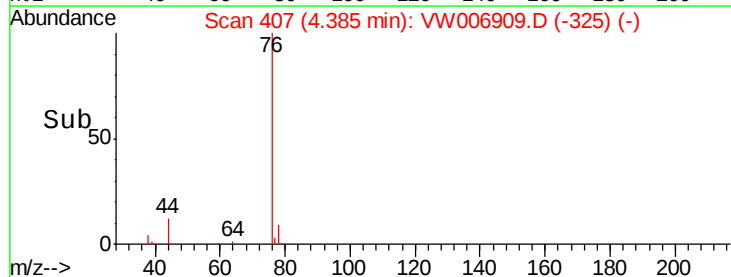
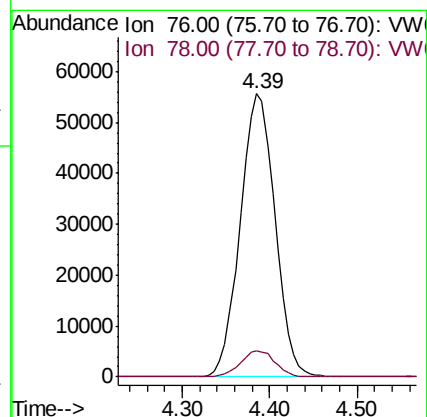
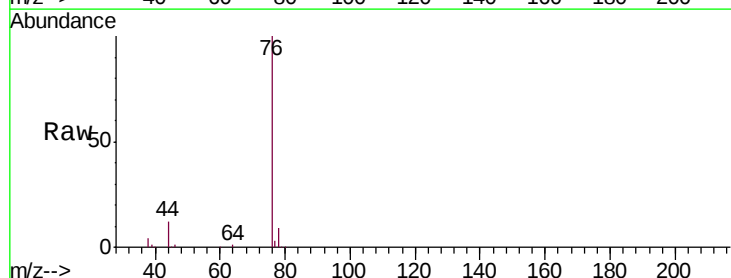
Acq: 15 Nov 2018 20:18

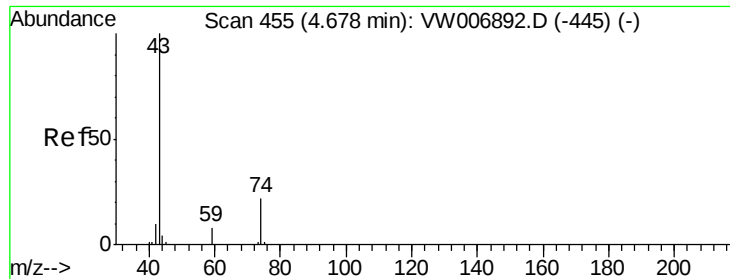
Tgt Ion: 76 Resp: 153881

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

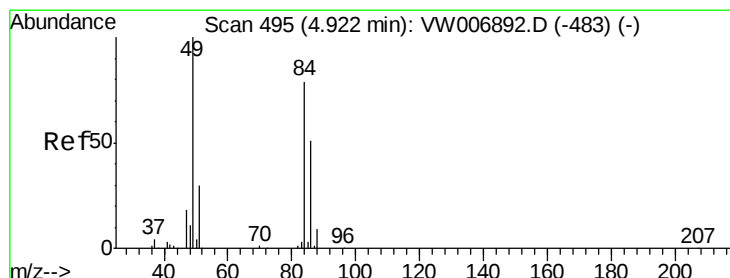
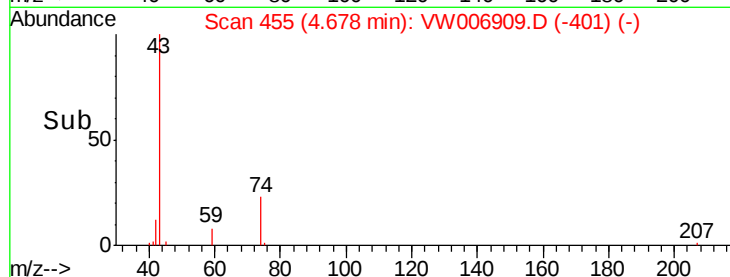
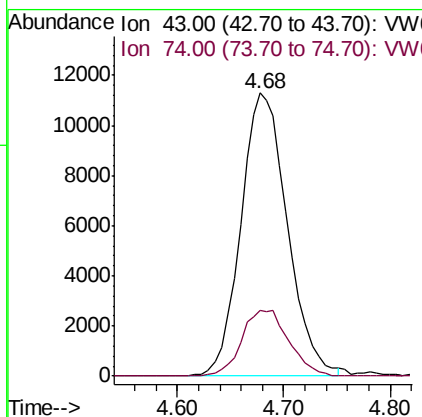
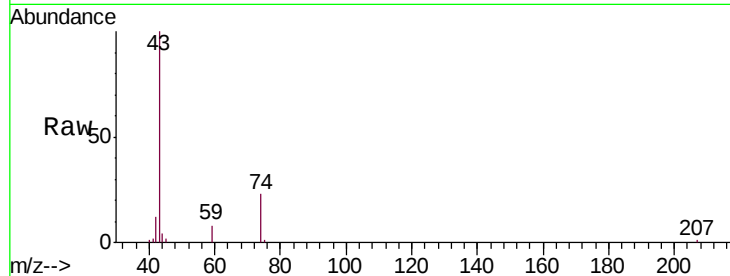




#15
Methyl Acetate
Concen: 27.580 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW006909.D
Acq: 15 Nov 2018 20:18

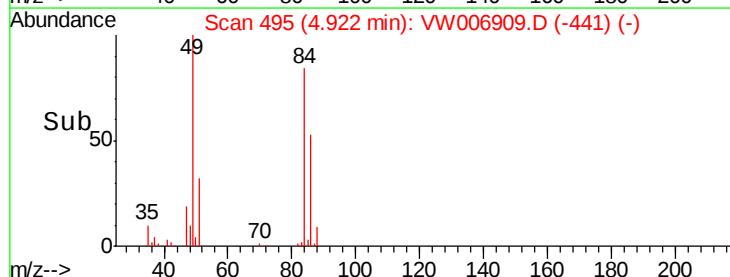
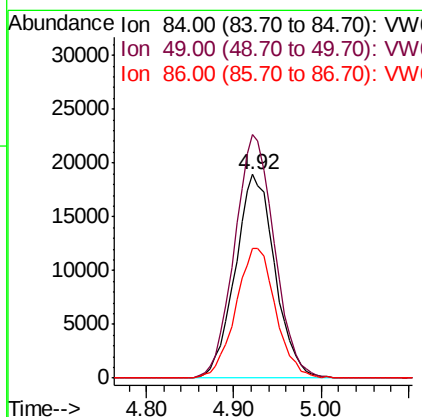
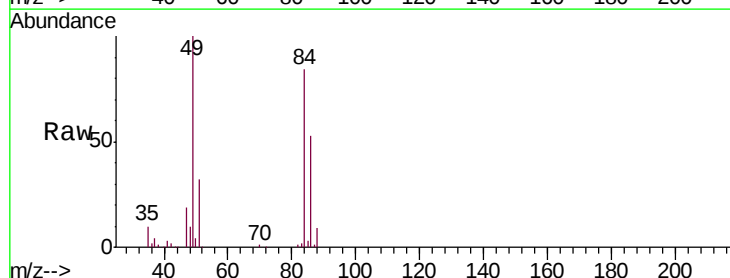
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

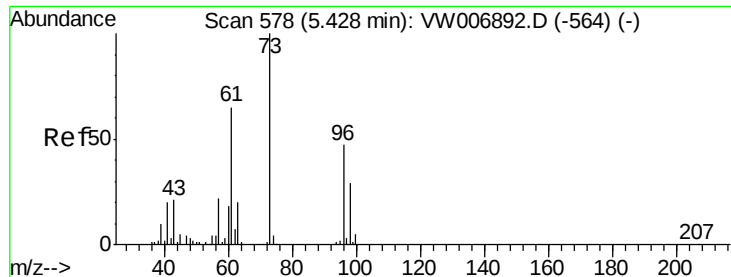
Tgt Ion: 43 Resp: 34519
Ion Ratio Lower Upper
43 100
74 23.6 18.8 28.2



#16
Methylene chloride
Concen: 20.875 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006909.D
Acq: 15 Nov 2018 20:18

Tgt Ion: 84 Resp: 59523
Ion Ratio Lower Upper
84 100
49 119.5 79.3 147.3
86 63.8 43.5 80.9

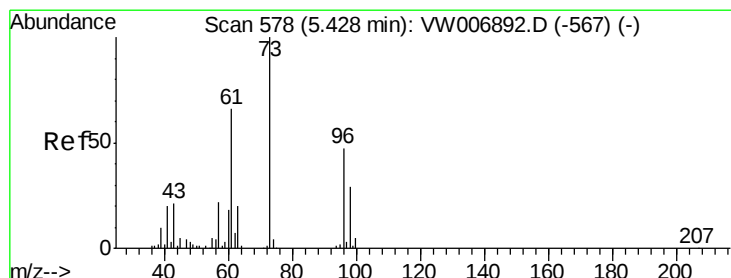
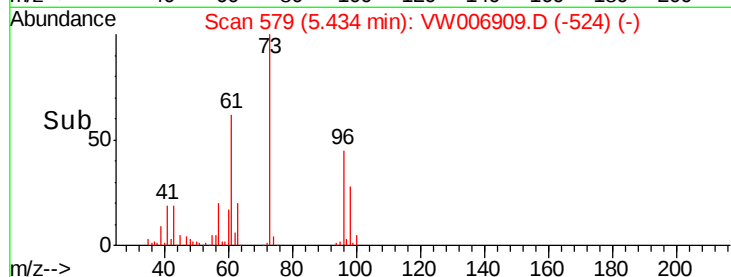
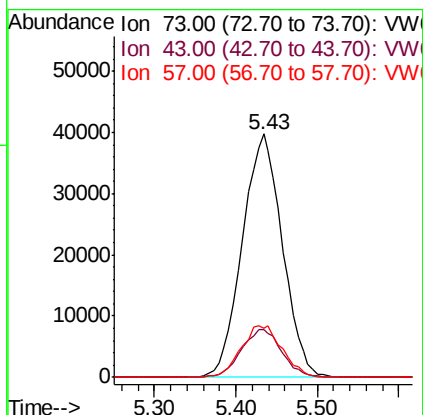
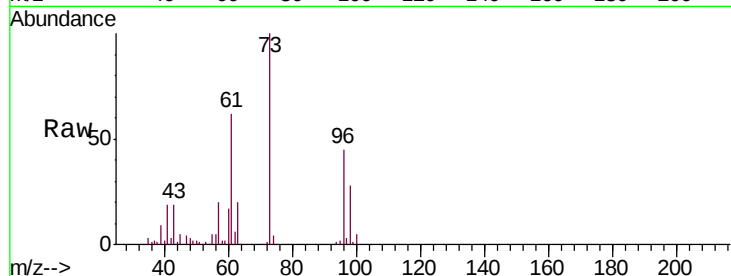




#17
Methyl tert-butyl Ether
Concen: 27.067 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006909.D
Acq: 15 Nov 2018 20:18

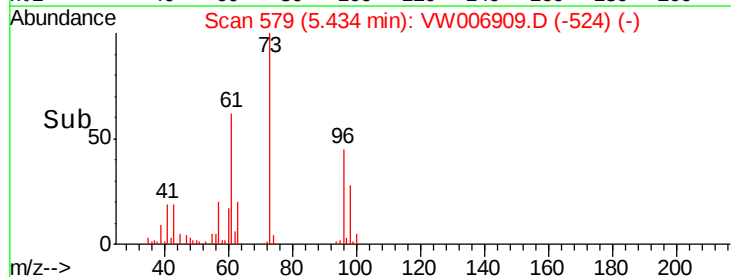
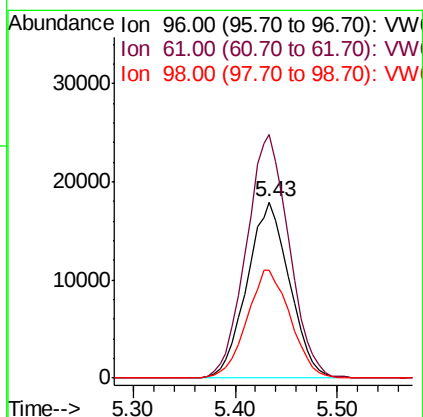
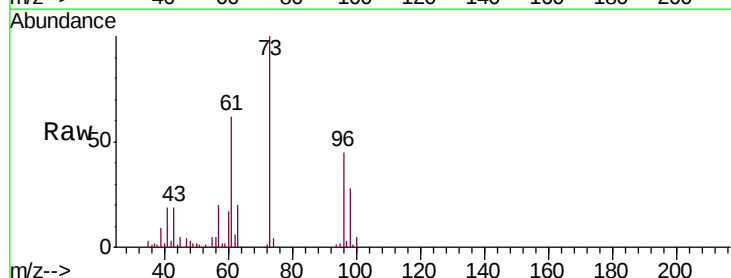
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

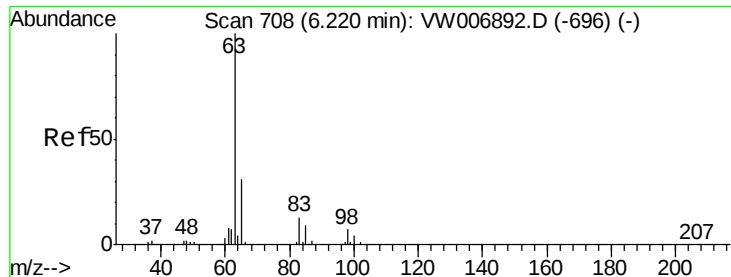
Tgt Ion: 73 Resp: 135773
Ion Ratio Lower Upper
73 100
43 19.8 15.6 23.4
57 12.6 17.8 26.8#



#18
trans-1,2-Dichloroethene
Concen: 24.385 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006909.D
Acq: 15 Nov 2018 20:18

Tgt Ion: 96 Resp: 51862
Ion Ratio Lower Upper
96 100
61 138.4 99.6 185.0
98 61.5 44.7 82.9

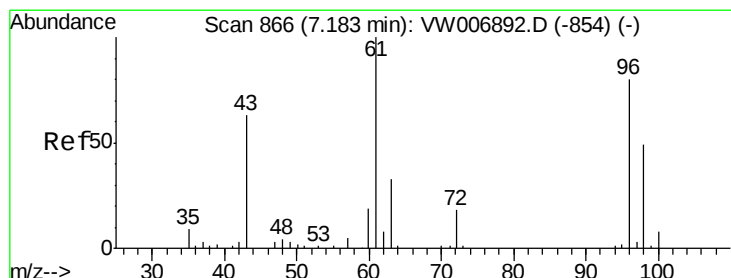
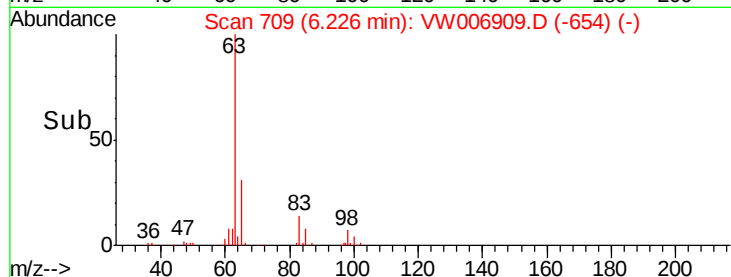
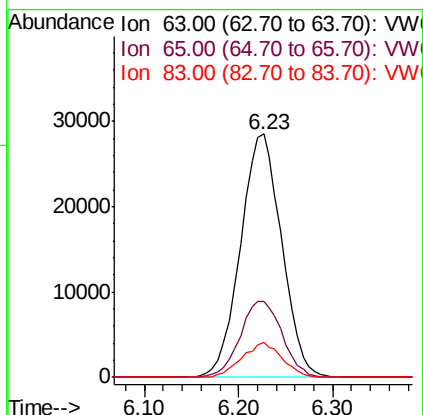
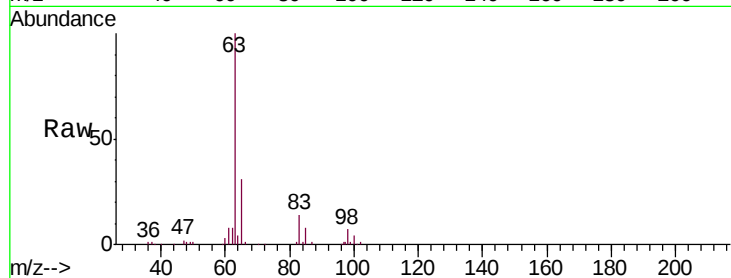




#19
 1,1-Dichloroethane
 Concen: 25.074 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

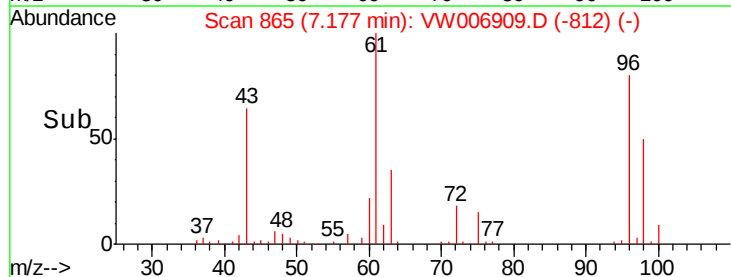
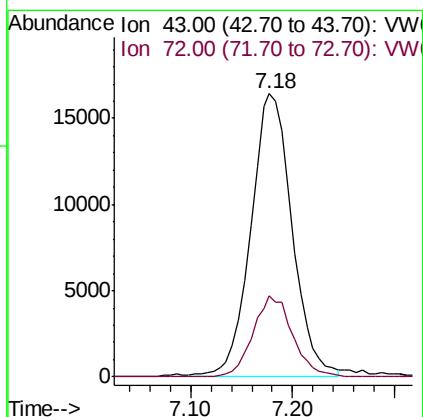
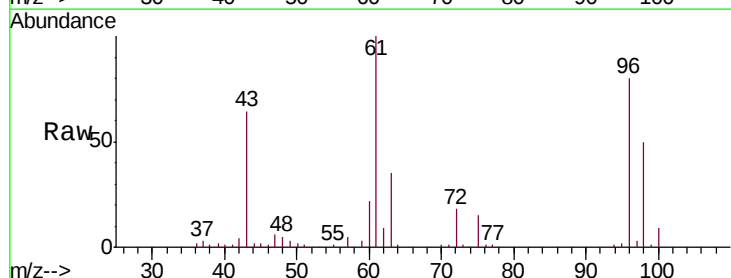
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

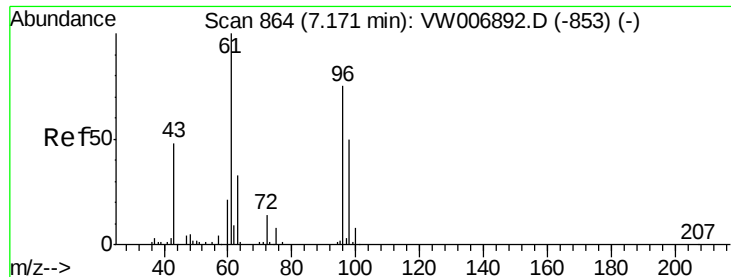
Tgt Ion: 63 Resp: 87051
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 41.0
 83 14.4 9.5 17.7



#21
 2-Butanone
 Concen: 52.028 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

Tgt Ion: 43 Resp: 46140
 Ion Ratio Lower Upper
 43 100
 72 27.3 13.5 40.5



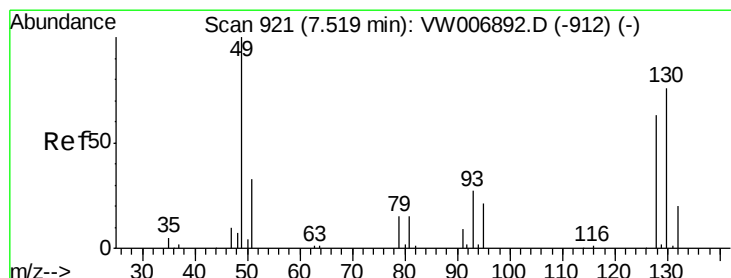
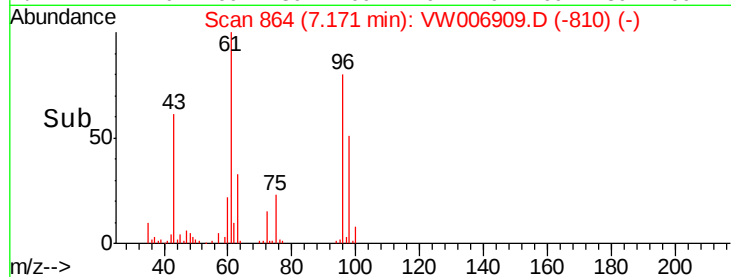
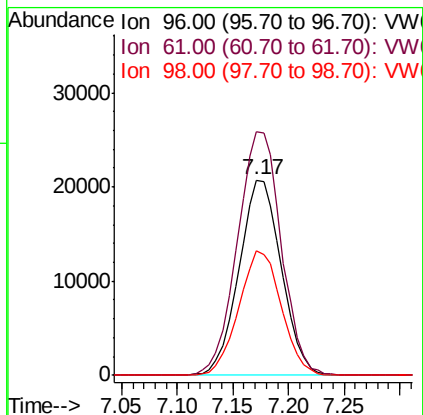
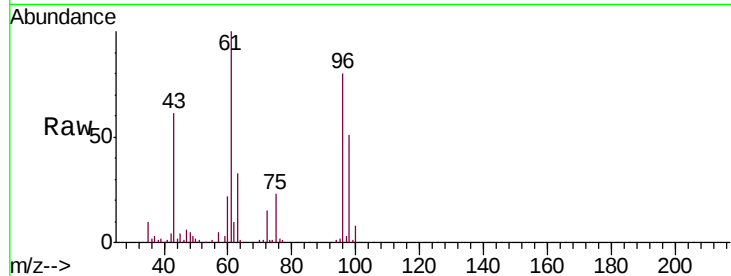


#22

cis-1,2-Dichloroethene
 Concen: 25.235 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

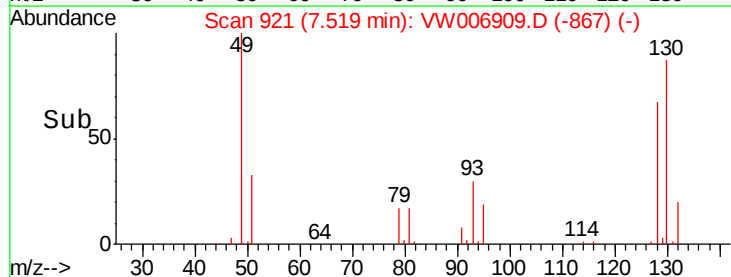
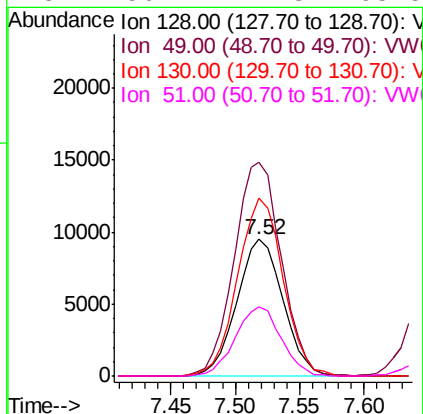
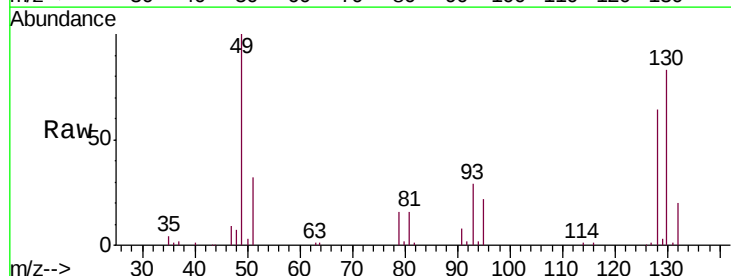
Tgt Ion: 96 Resp: 54803
 Ion Ratio Lower Upper
 96 100
 61 124.8 88.1 163.7
 98 63.8 43.1 80.1

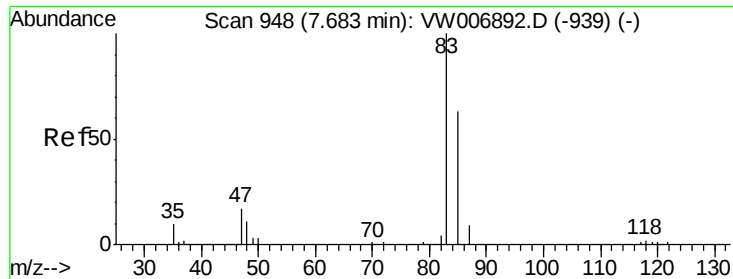


#23

Bromochloromethane
 Concen: 26.597 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

Tgt Ion: 128 Resp: 23543
 Ion Ratio Lower Upper
 128 100
 49 156.1 114.0 211.8
 130 129.8 89.7 166.7
 51 50.1 42.3 63.5

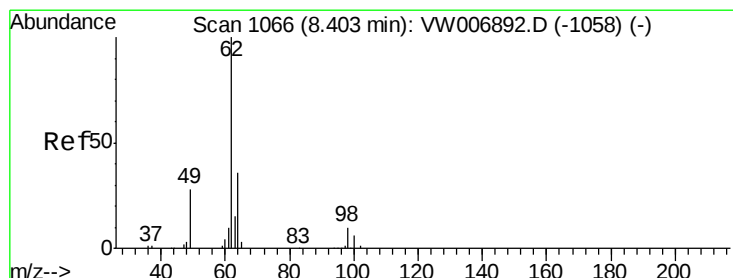
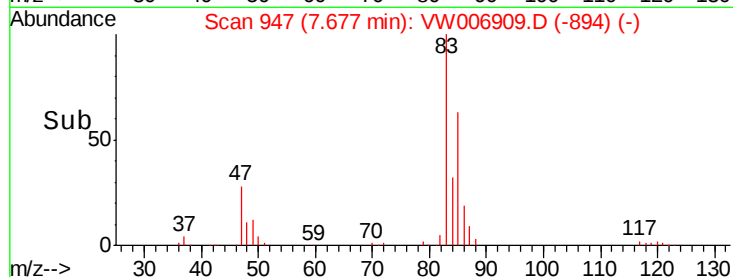
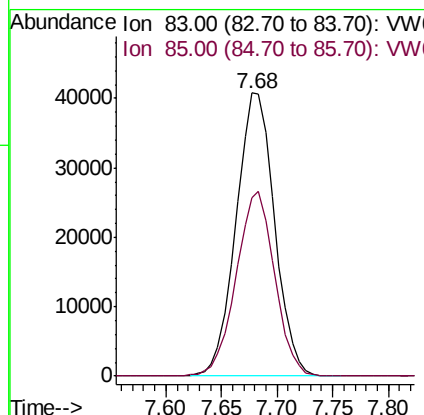
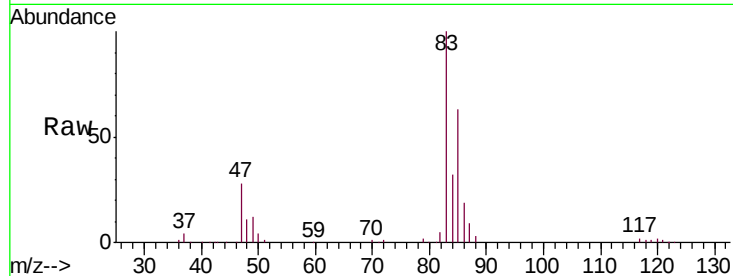




#25
Chloroform
Concen: 24.419 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006909.D
Acq: 15 Nov 2018 20:18

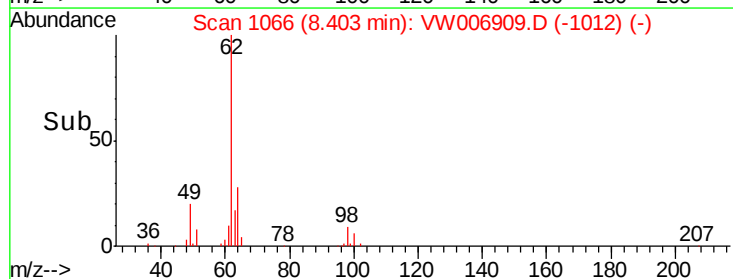
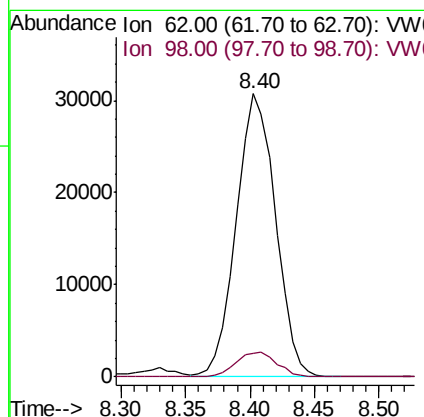
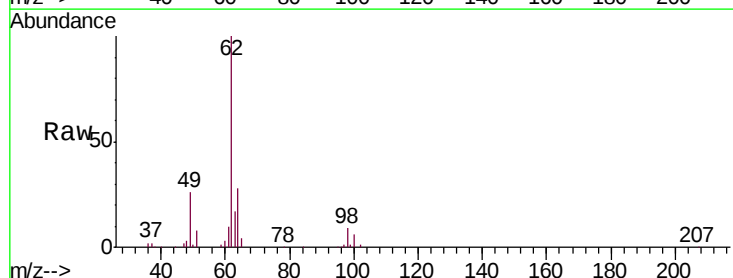
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

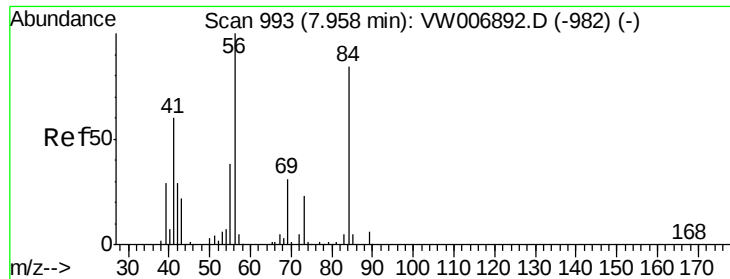
Tgt Ion: 83 Resp: 98024
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 27.548 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006909.D
Acq: 15 Nov 2018 20:18

Tgt Ion: 62 Resp: 65027
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.4

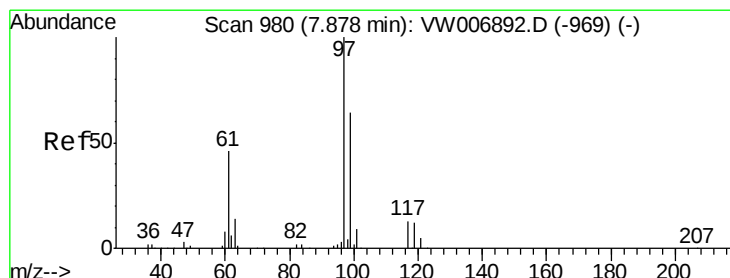
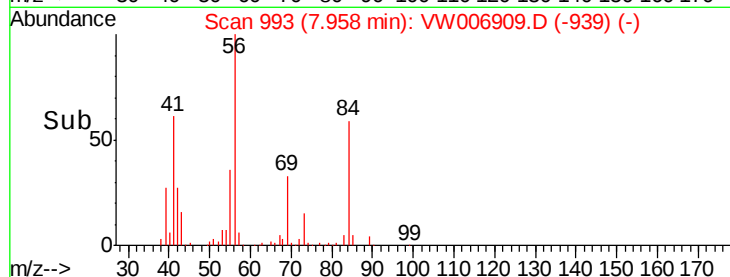
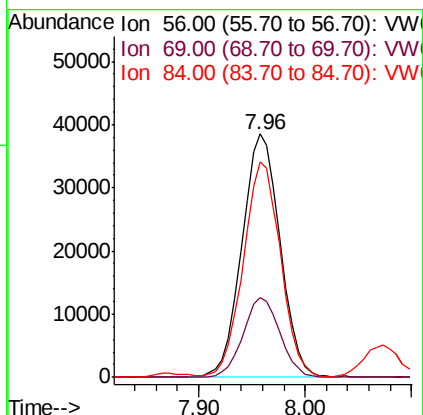
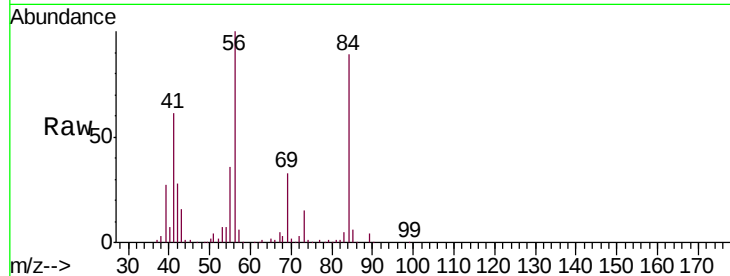




#30
Cyclohexane
Concen: 23.410 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006909.D
Acq: 15 Nov 2018 20:18

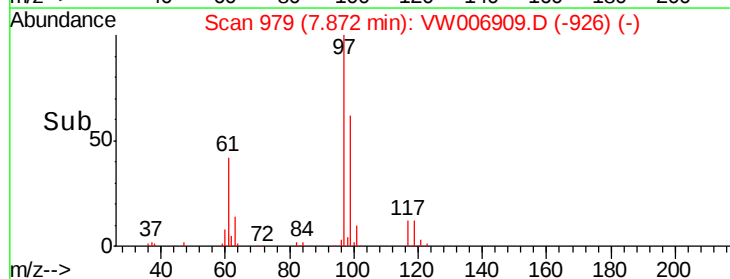
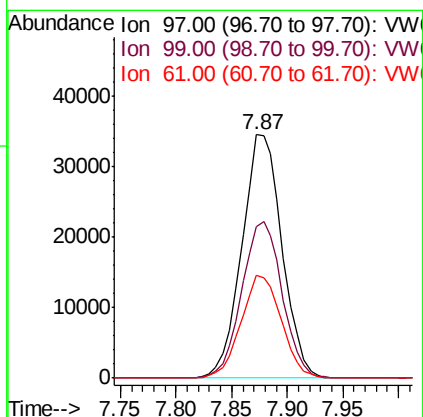
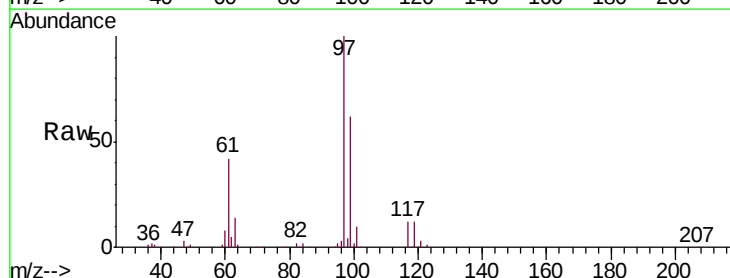
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

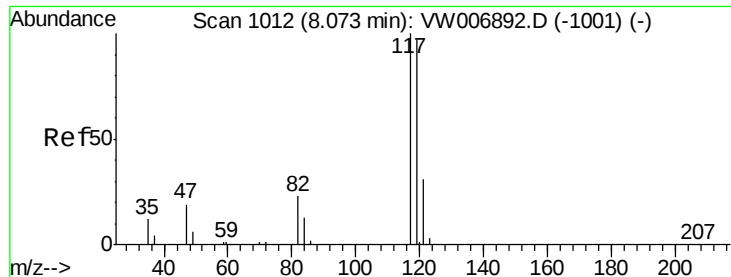
Tgt Ion: 56 Resp: 96825
Ion Ratio Lower Upper
56 100
69 31.6 25.1 37.7
84 86.8 68.7 103.1



#31
1,1,1-Trichloroethane
Concen: 24.936 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006909.D
Acq: 15 Nov 2018 20:18

Tgt Ion: 97 Resp: 86569
Ion Ratio Lower Upper
97 100
99 64.5 52.2 78.2
61 42.5 34.5 51.7





#32

Carbon tetrachloride

Concen: 25.167 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampled :

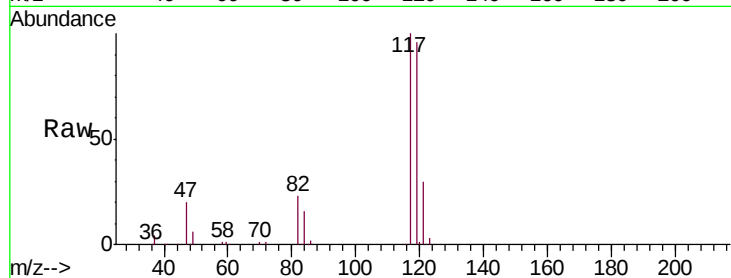
VSTD02591

Tgt Ion:117 Resp: 76792

Ion Ratio Lower Upper

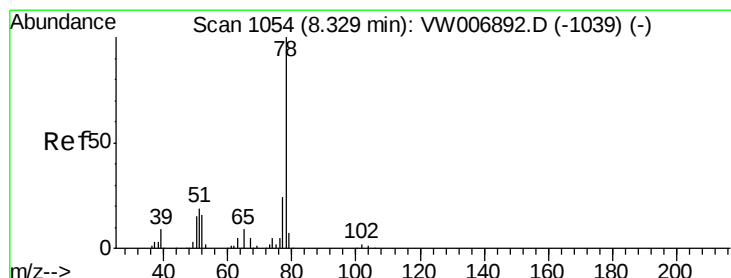
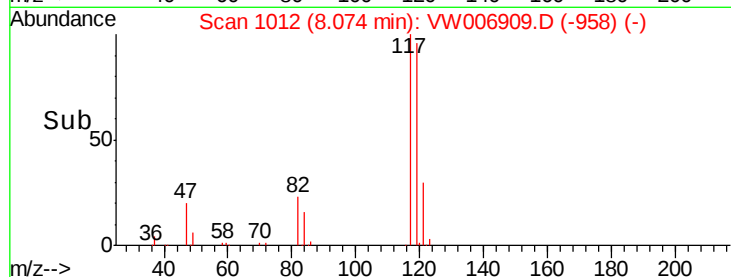
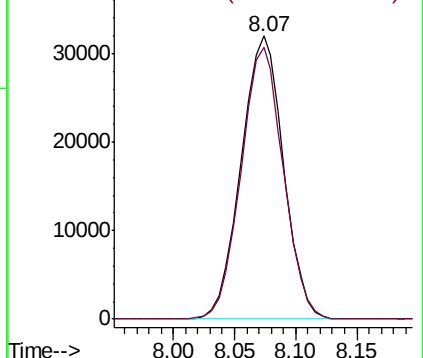
117 100

119 96.0 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: 24.026 ug/L

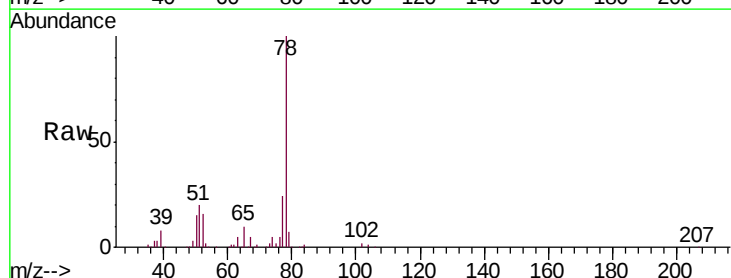
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

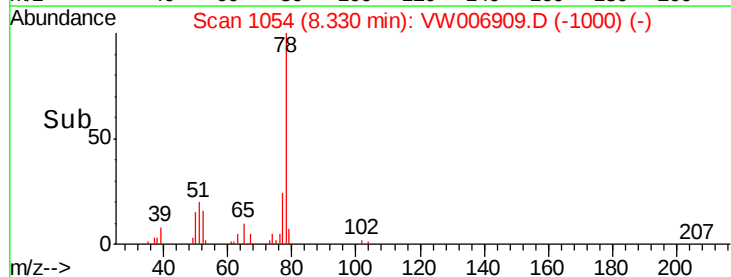
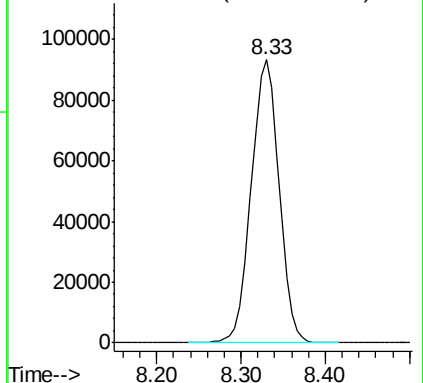
Lab File: VW006909.D

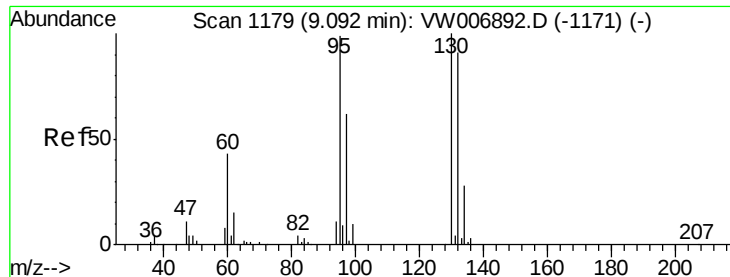
Acq: 15 Nov 2018 20:18

Tgt Ion: 78 Resp: 209612



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.267 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampled :

VSTD02591

Tgt Ion: 95 Resp: 57667

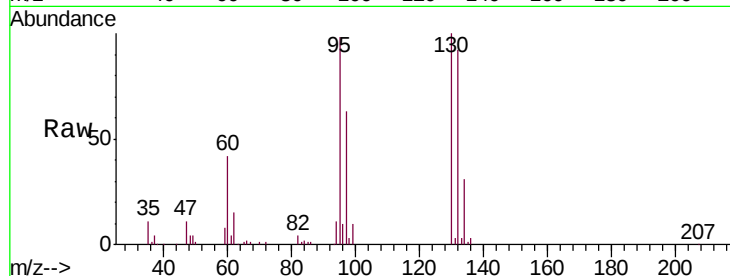
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 92.4 65.7 121.9

130 99.3 68.7 127.7

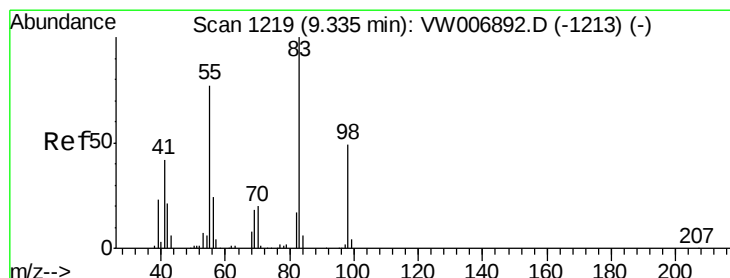
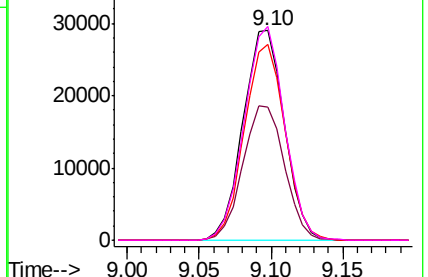
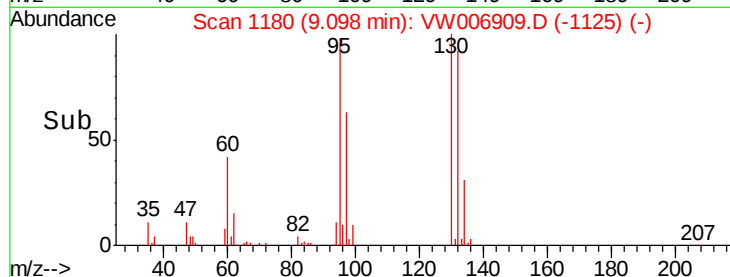


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.431 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

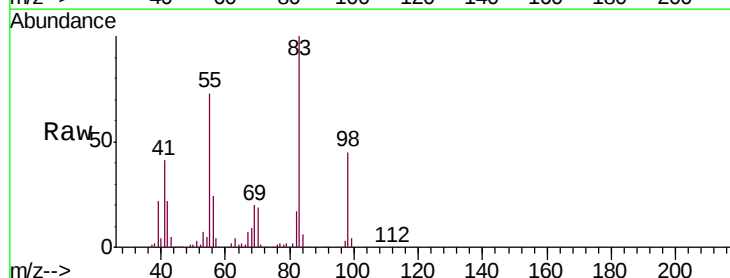
Tgt Ion: 83 Resp: 107024

Ion Ratio Lower Upper

83 100

55 75.9 60.2 90.2

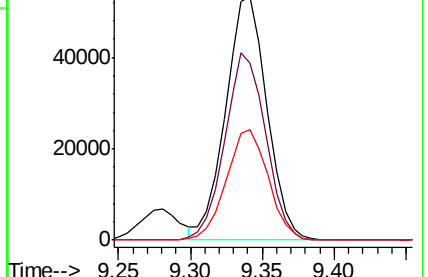
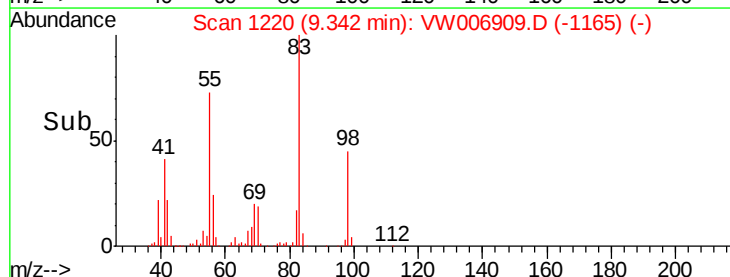
98 46.1 36.5 54.7

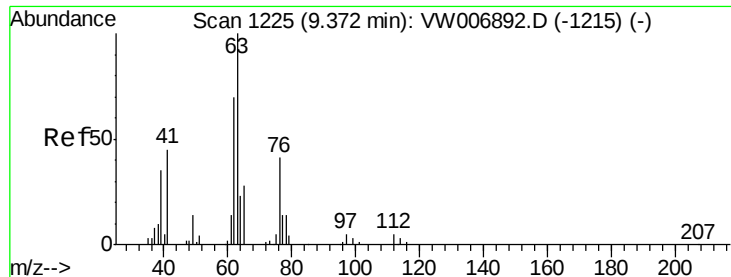


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

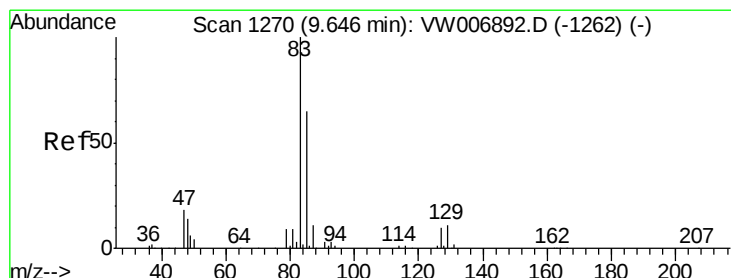
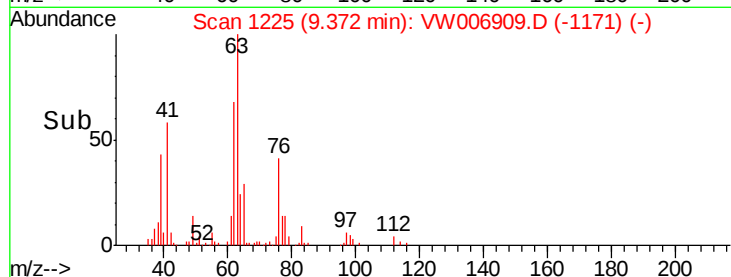
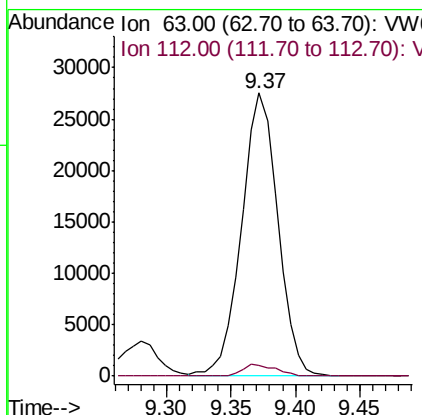
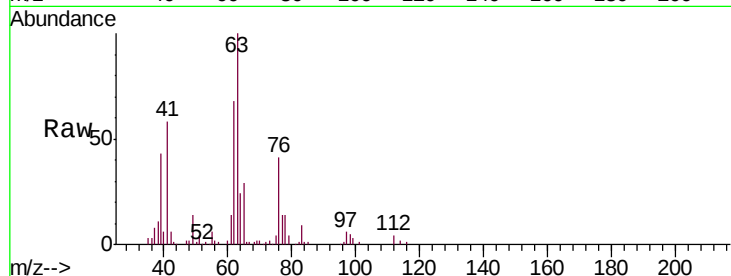




#40
 1,2-Dichloropropane
 Concen: 24.987 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

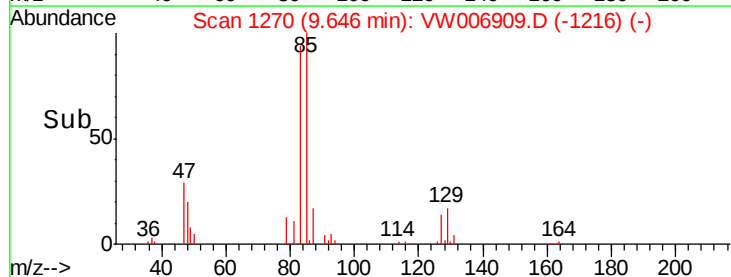
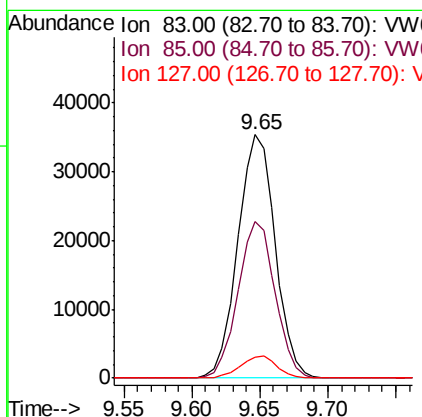
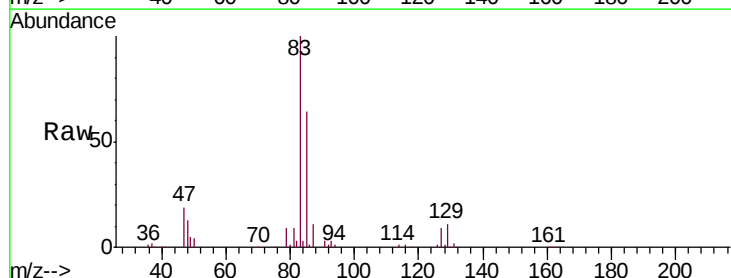
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

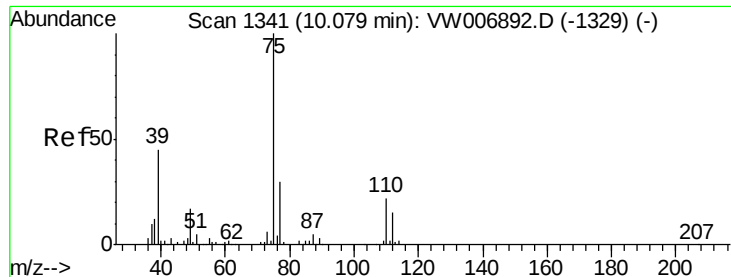
Tgt Ion: 63 Resp: 53708
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#41
 Bromodichloromethane
 Concen: 25.752 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

Tgt Ion: 83 Resp: 67906
 Ion Ratio Lower Upper
 83 100
 85 64.4 42.4 78.6
 127 8.7 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 25.511 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampled :

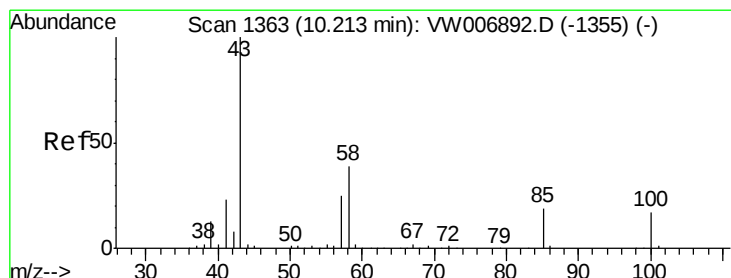
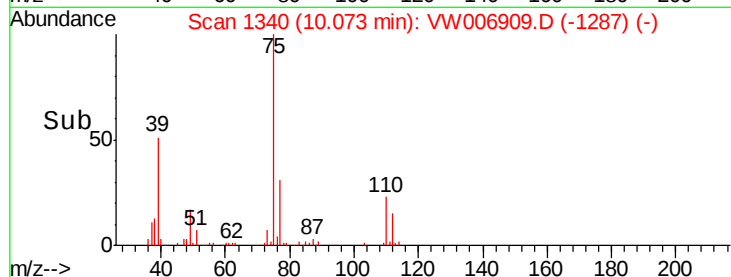
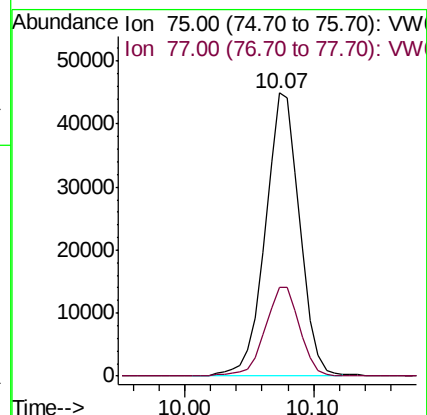
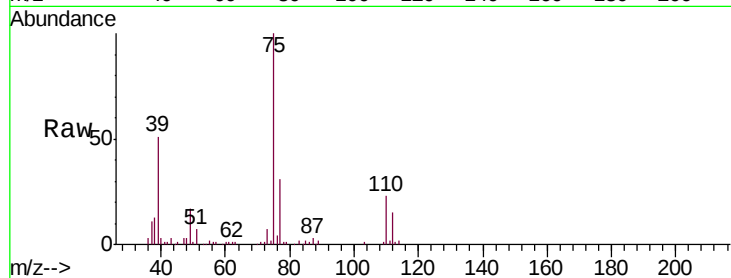
VSTD02591

Tgt Ion: 75 Resp: 82789

Ion Ratio Lower Upper

75 100

77 31.2 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 55.769 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

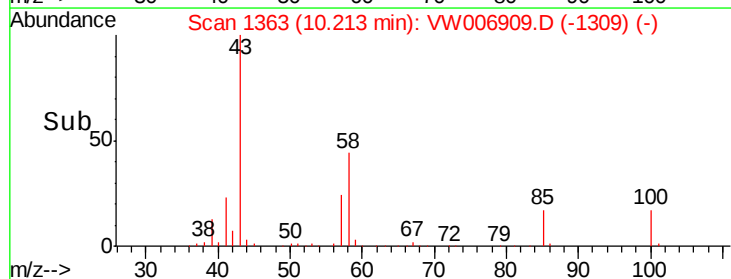
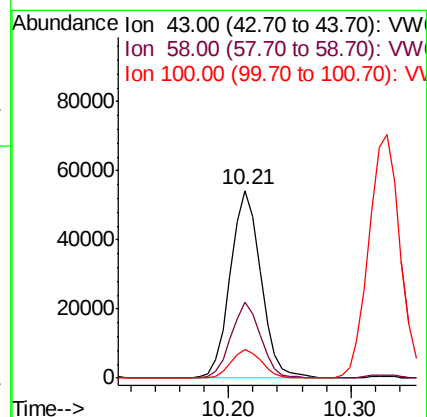
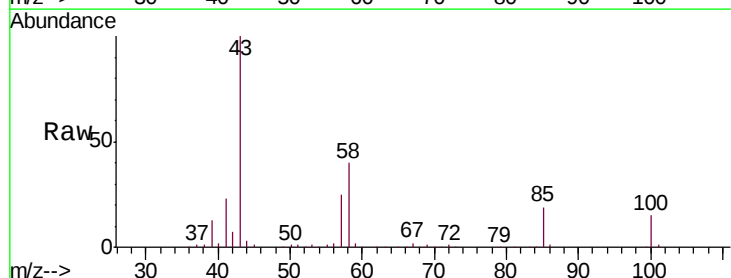
Tgt Ion: 43 Resp: 93929

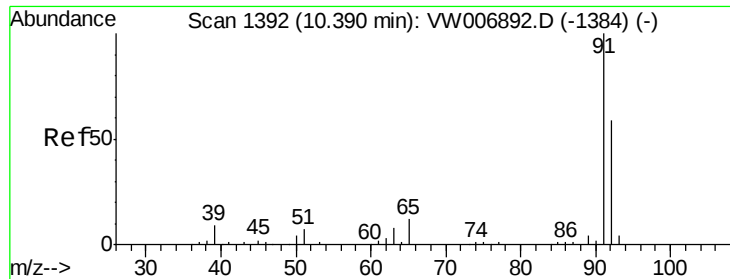
Ion Ratio Lower Upper

43 100

58 39.1 31.6 47.4

100 15.4 12.3 18.5





#44

Toluene

Concen: 24.776 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

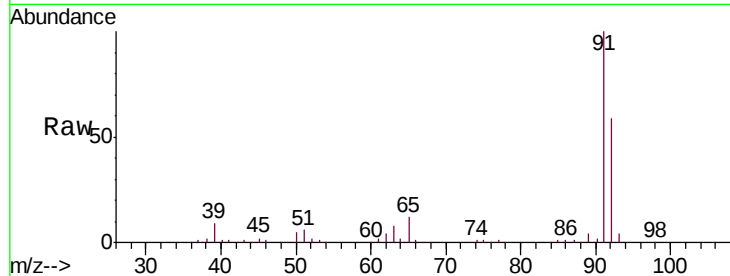
VSTD02591

Tgt Ion: 91 Resp: 247501

Ion Ratio Lower Upper

91 100

92 59.4 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

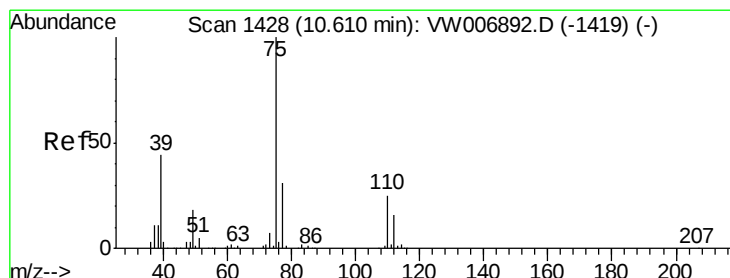
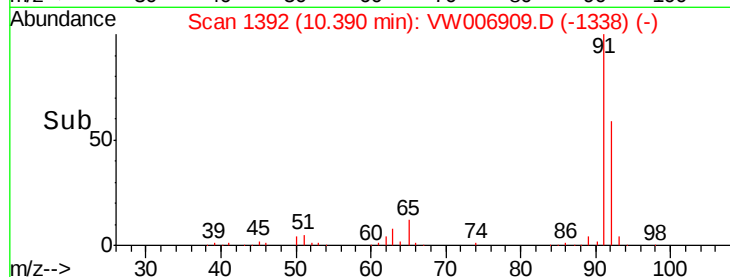
150000

100000

50000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 26.093 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006909.D

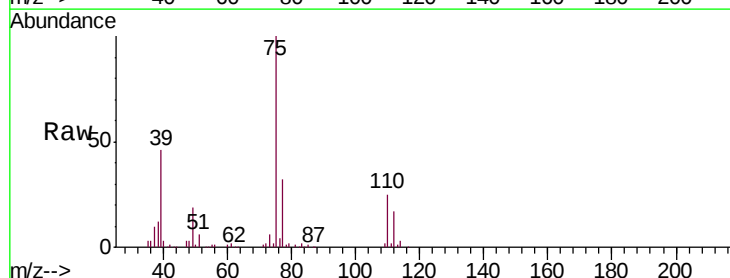
Acq: 15 Nov 2018 20:18

Tgt Ion: 75 Resp: 71560

Ion Ratio Lower Upper

75 100

77 32.2 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

40000

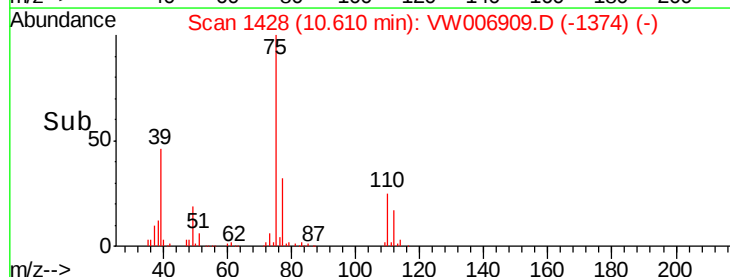
30000

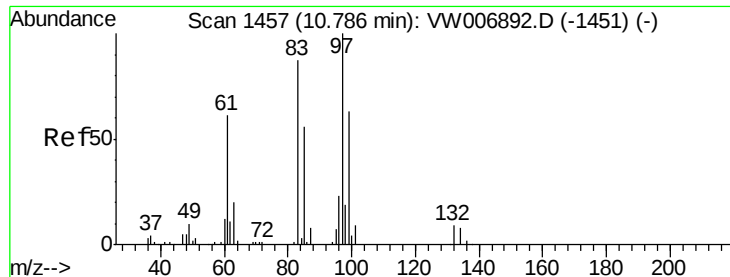
20000

10000

0

Time--> 10.50 10.55 10.60 10.65





#46

1,1,2-Trichloroethane

Concen: 25.926 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampled :

VSTD02591

Tgt Ion: 97 Resp: 42666

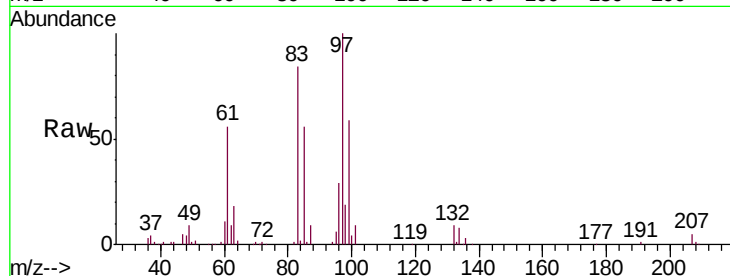
Ion Ratio Lower Upper

97 100

83 83.6 59.6 110.8

85 56.3 37.7 70.1

99 59.2 43.4 80.6

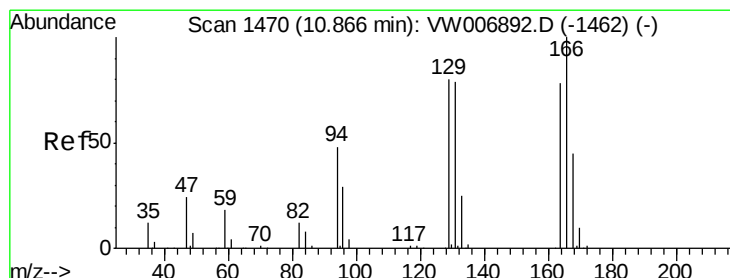
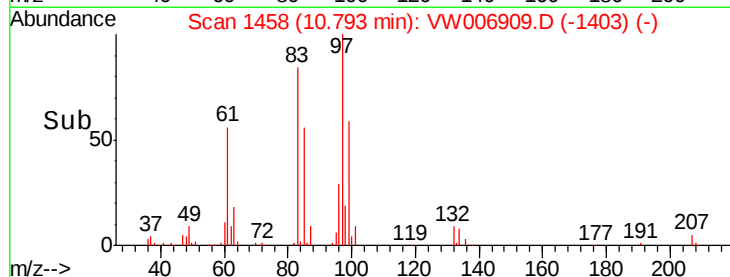
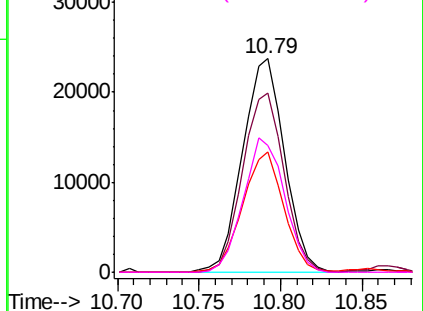


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.051 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Tgt Ion: 164 Resp: 45517

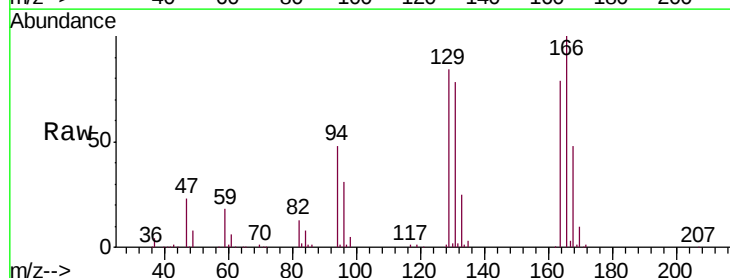
Ion Ratio Lower Upper

164 100

129 106.2 75.0 139.2

131 98.4 72.5 134.7

166 126.9 93.7 174.1

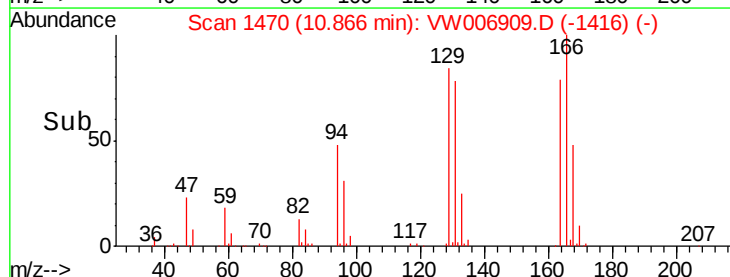
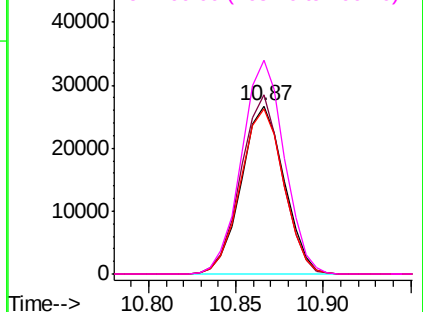


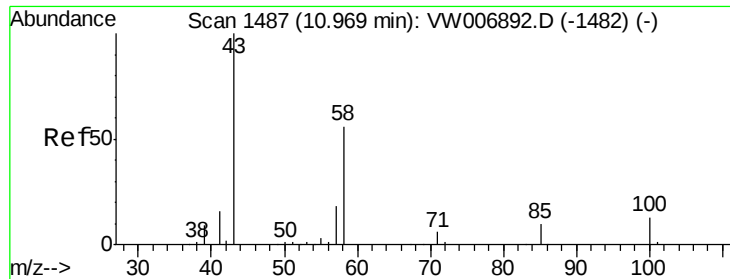
Abundance Ion 164.00 (163.70 to 164.70): V

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: 53.990 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

Tgt Ion: 43 Resp: 67325

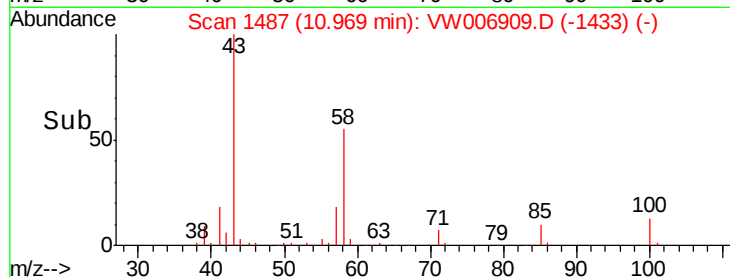
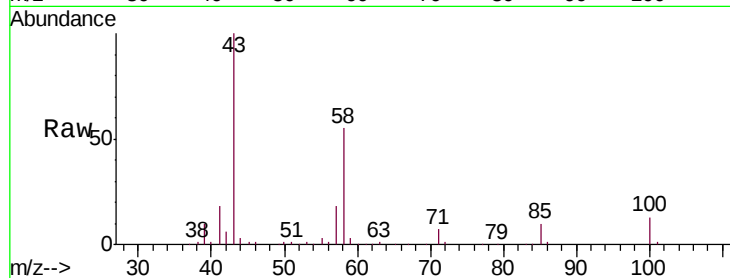
Ion Ratio Lower Upper

43 100

58 55.9 44.6 67.0

57 20.1 16.0 24.0

100 12.4 9.7 14.5

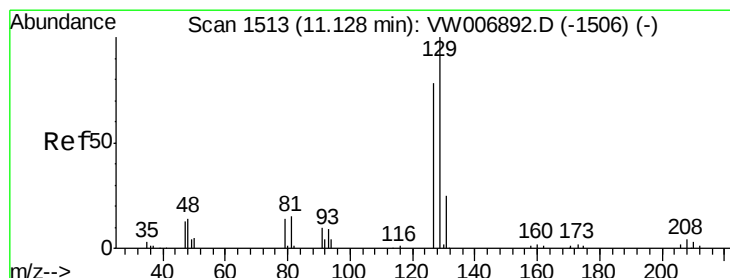
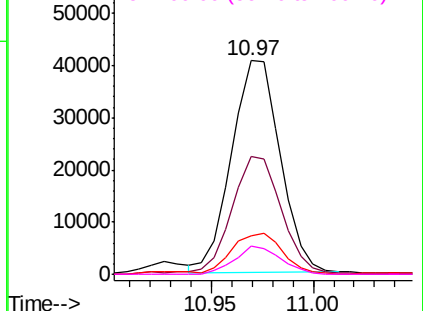


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.064 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW006909.D

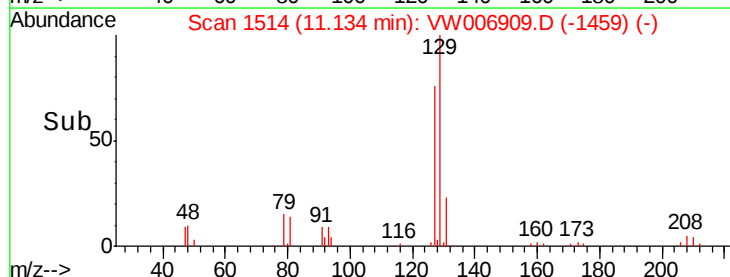
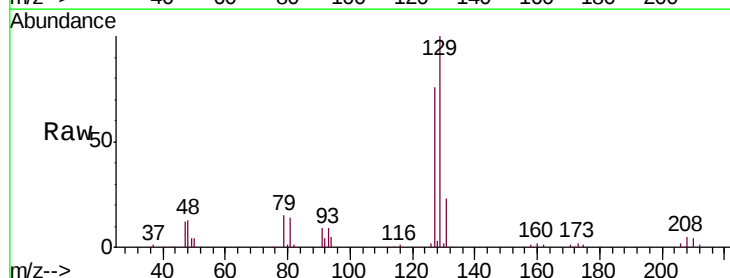
Acq: 15 Nov 2018 20:18

Tgt Ion: 129 Resp: 48062

Ion Ratio Lower Upper

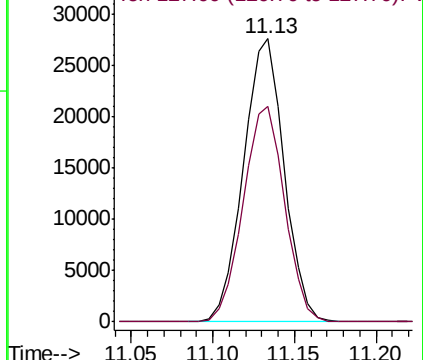
129 100

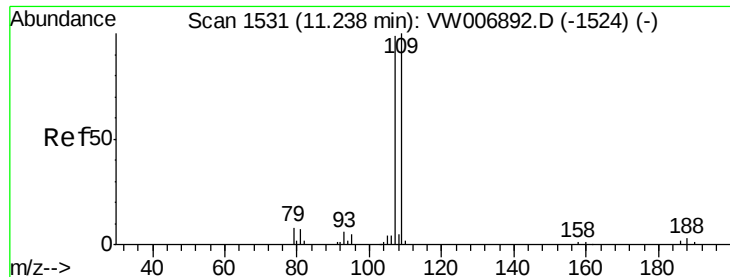
127 76.2 55.7 103.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

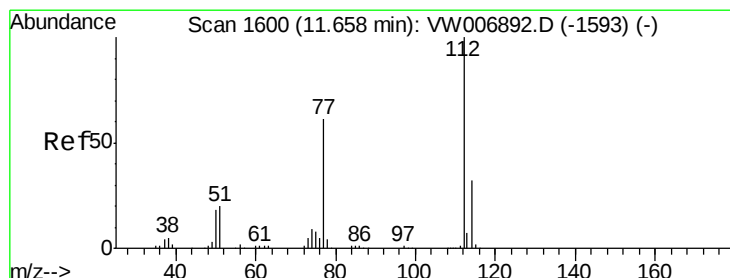
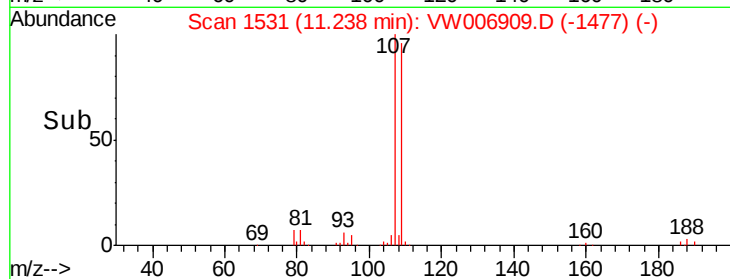
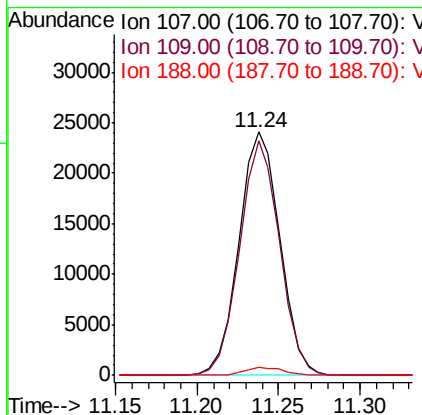
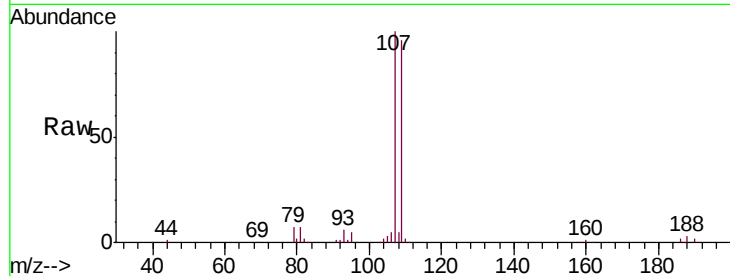




#51
 1,2-Dibromoethane
 Concen: 26.769 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

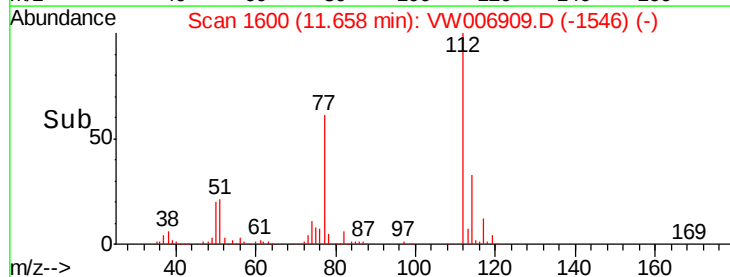
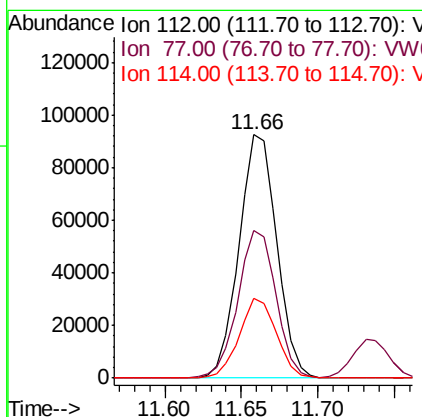
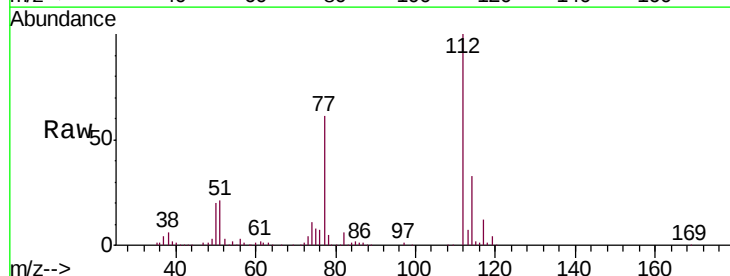
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

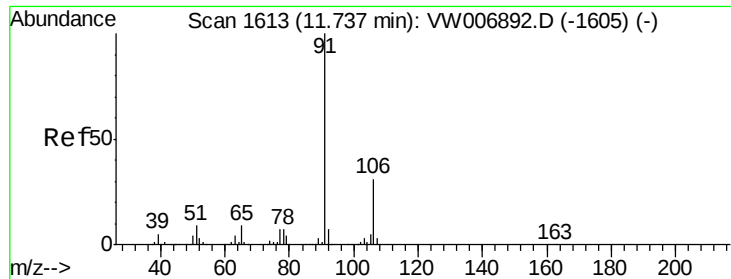
Tgt Ion:107 Resp: 41898
 Ion Ratio Lower Upper
 107 100
 109 96.1 65.4 121.4
 188 3.4 2.4 3.6



#52
 Chlorobenzene
 Concen: 25.217 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

Tgt Ion:112 Resp: 158441
 Ion Ratio Lower Upper
 112 100
 77 60.6 47.8 71.8
 114 32.7 22.3 41.5





#53

Ethylbenzene

Concen: 24.168 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

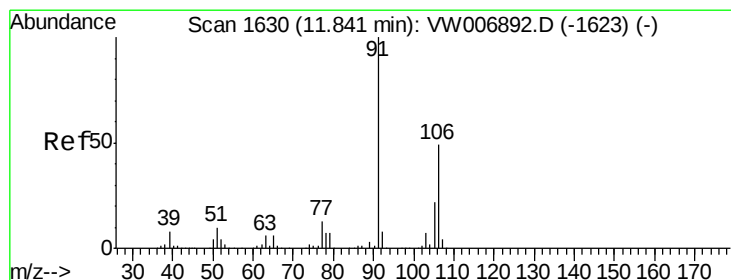
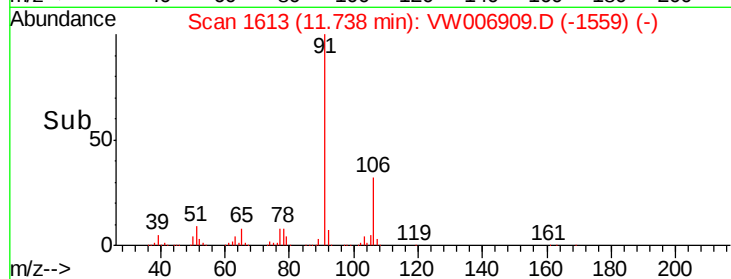
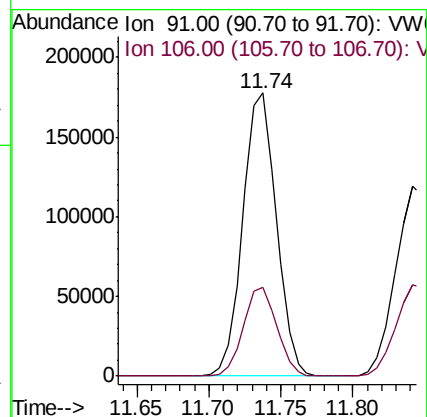
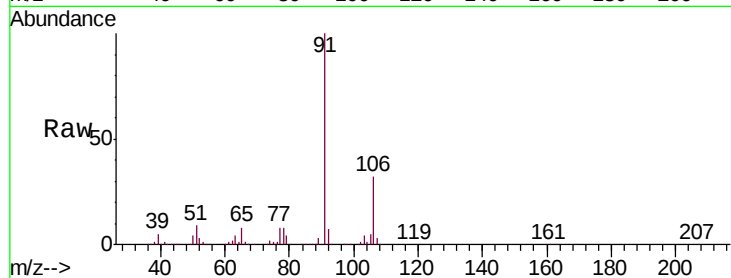
VSTD02591

Tgt Ion: 91 Resp: 287338

Ion Ratio Lower Upper

91 100

106 31.5 21.1 39.1



#54

m,p-Xylene

Concen: 24.146 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW006909.D

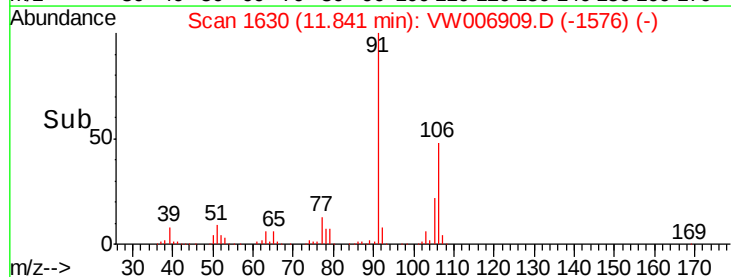
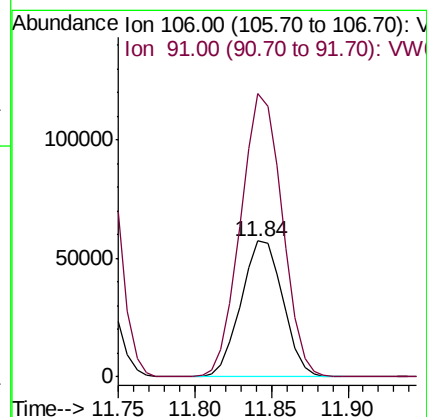
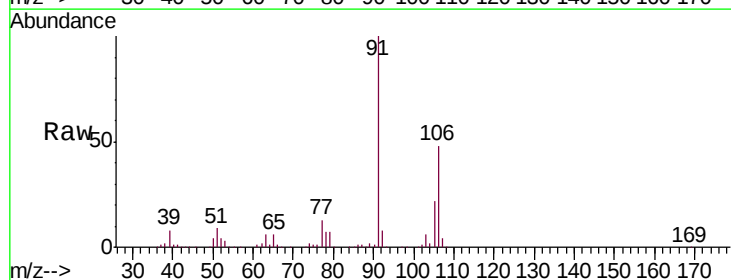
Acq: 15 Nov 2018 20:18

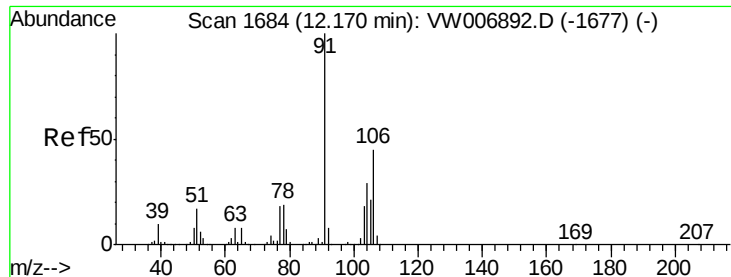
Tgt Ion: 106 Resp: 109794

Ion Ratio Lower Upper

106 100

91 208.7 141.5 262.9

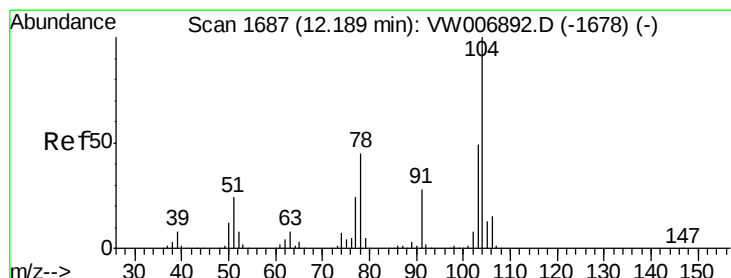
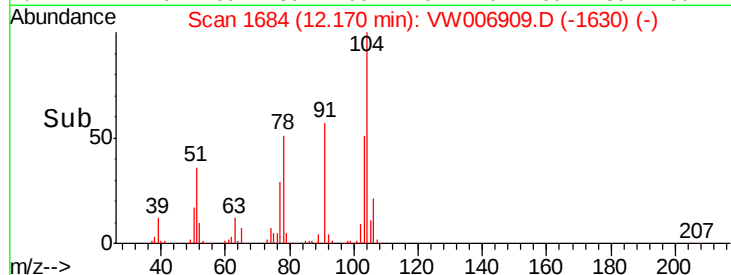
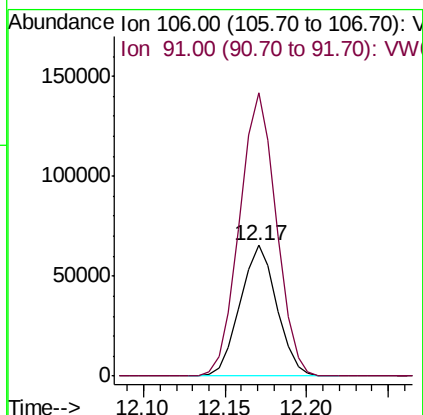
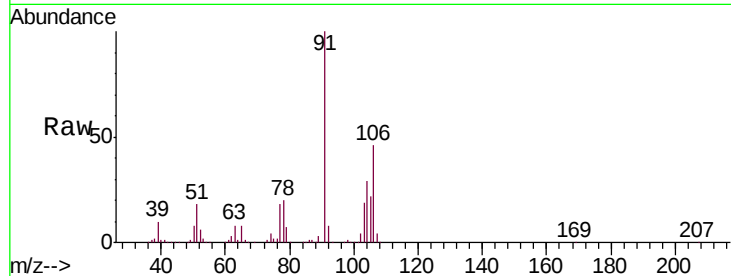




#55
o-xylene
Concen: 24.594 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006909.D
Acq: 15 Nov 2018 20:18

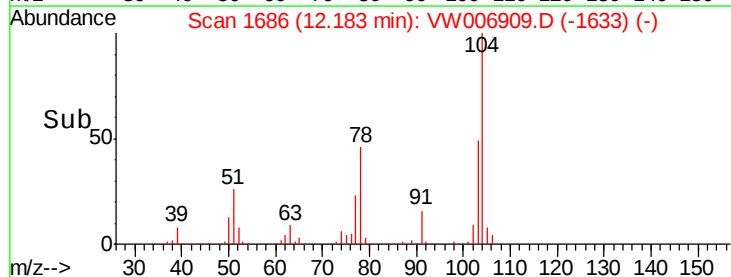
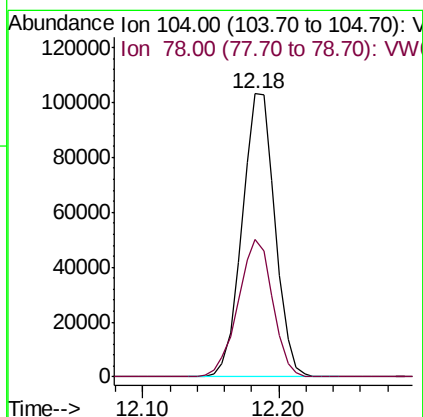
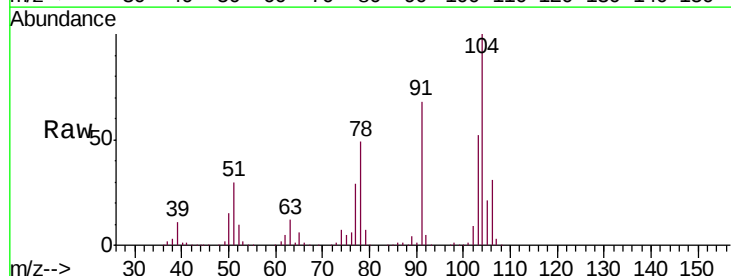
Instrument :
MSVOA_W
ClientSampled :
VSTD02591

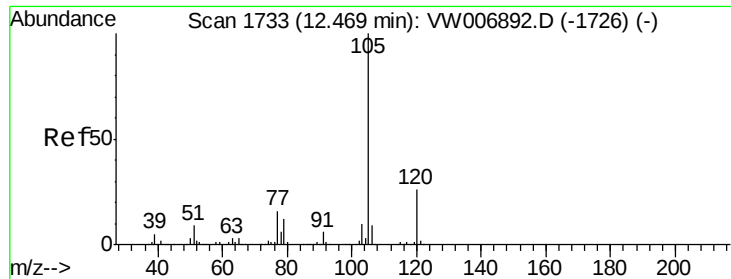
Tgt Ion:106 Resp: 102436
Ion Ratio Lower Upper
106 100
91 217.0 151.3 281.1



#56
Styrene
Concen: 25.208 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006909.D
Acq: 15 Nov 2018 20:18

Tgt Ion:104 Resp: 174048
Ion Ratio Lower Upper
104 100
78 48.5 32.8 60.8





#57

Isopropylbenzene

Concen: 24.299 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

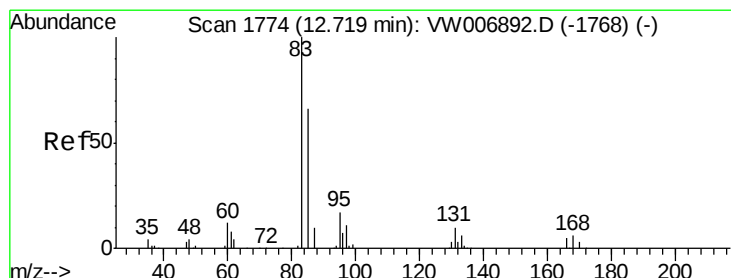
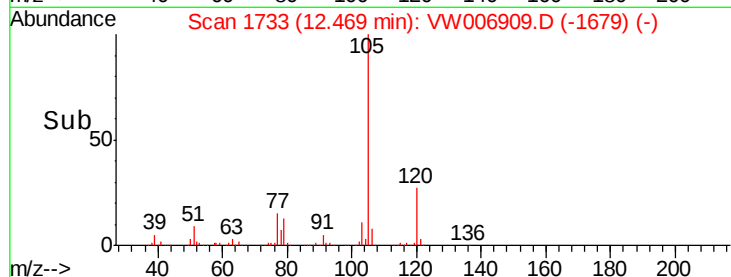
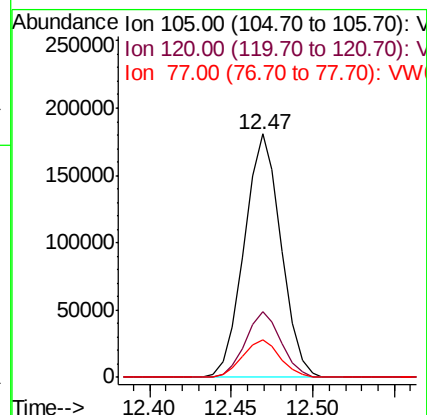
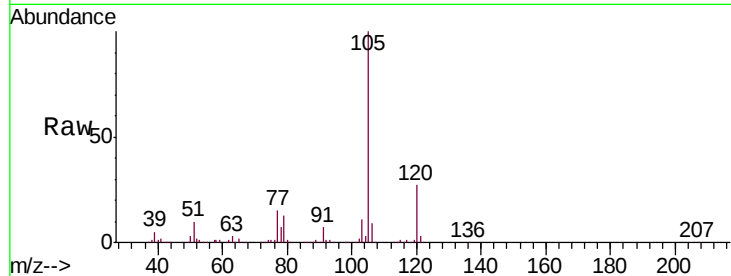
Tgt Ion: 105 Resp: 283341

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

77 15.6 12.3 18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 26.935 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

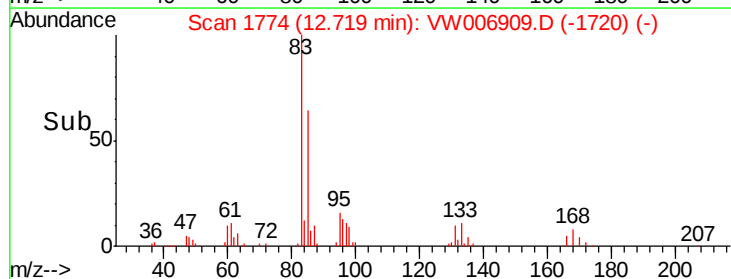
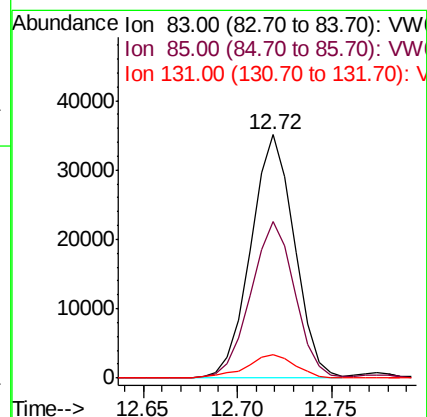
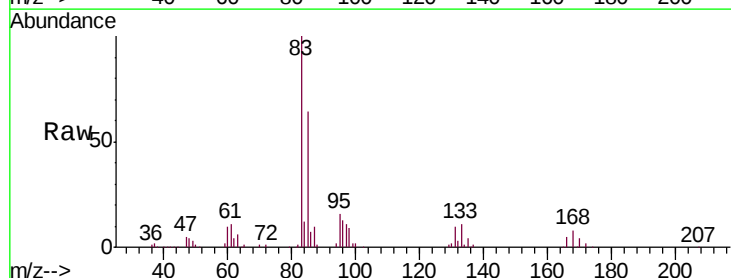
Tgt Ion: 83 Resp: 56235

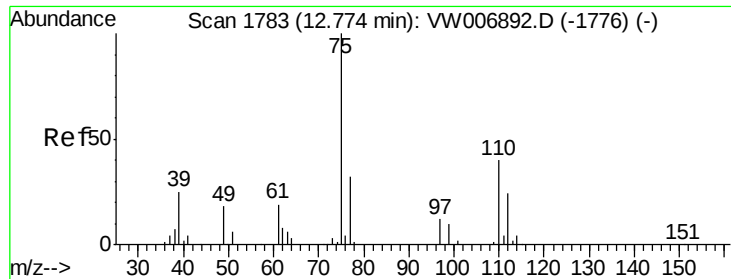
Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.5

131 9.5 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 27.169 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

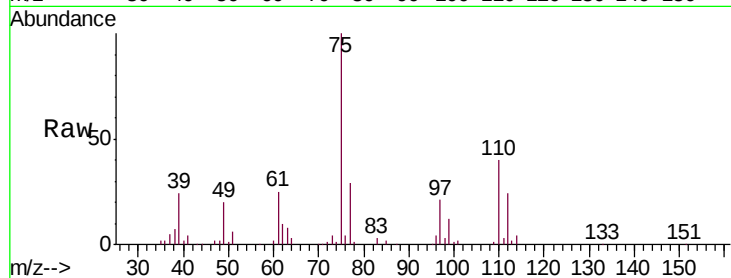
VSTD02591

Tgt Ion: 75 Resp: 44177

Ion Ratio Lower Upper

75 100

77 31.6 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

30000

25000

20000

15000

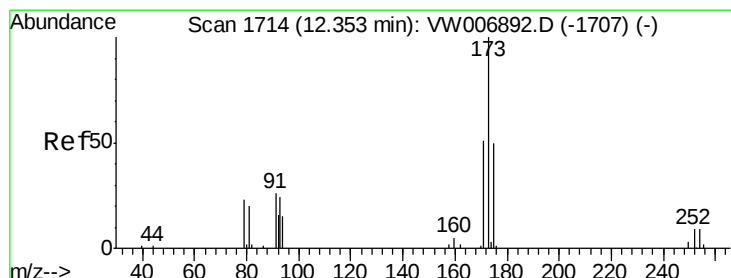
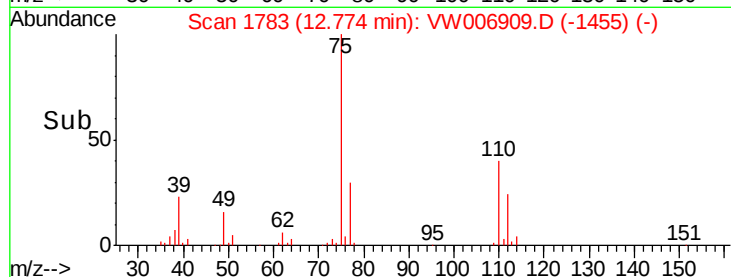
10000

5000

0

12.70 12.75 12.80

Time-->



#62

Bromoform

Concen: 29.944 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

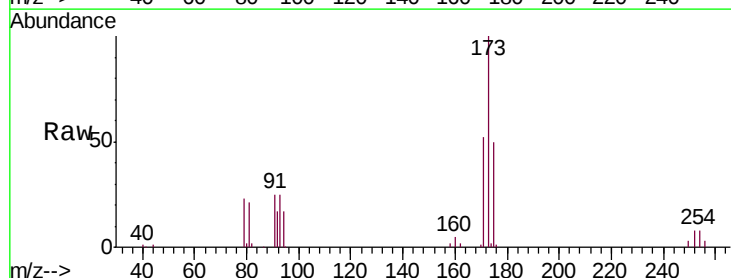
Tgt Ion: 173 Resp: 26893

Ion Ratio Lower Upper

173 100

175 47.8 39.5 59.3

254 8.3 6.4 9.6



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

20000

15000

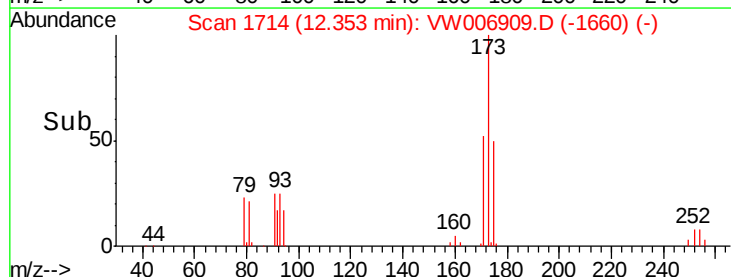
10000

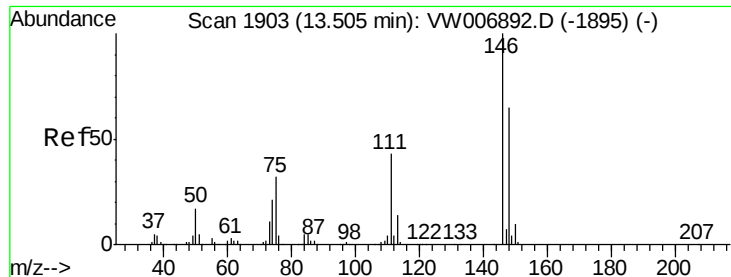
5000

0

12.30 12.35 12.40

Time-->

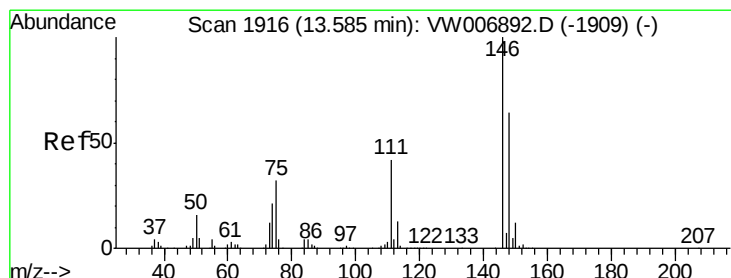
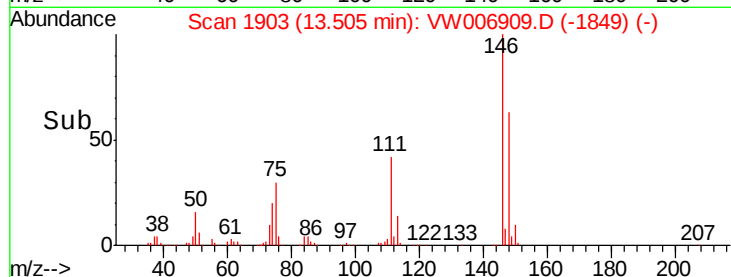
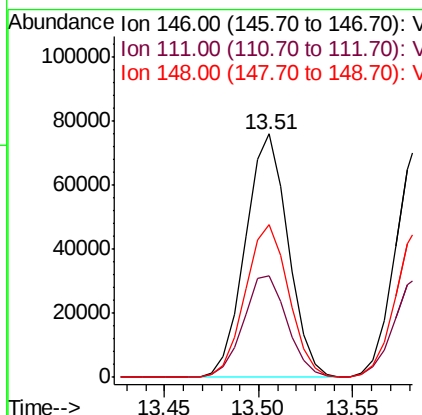
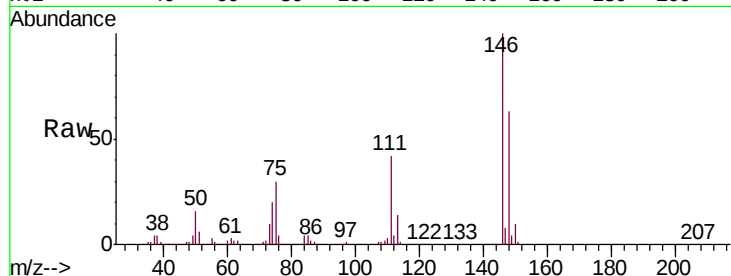




#63
 1,3-Dichlorobenzene
 Concen: 25.751 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

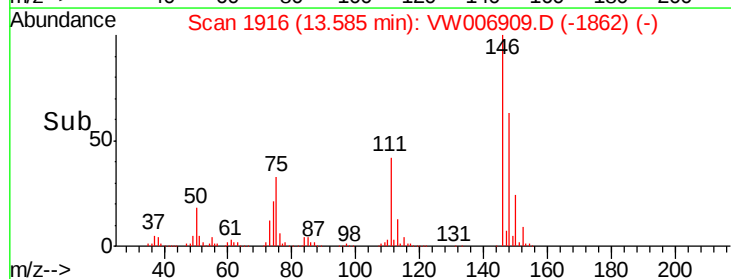
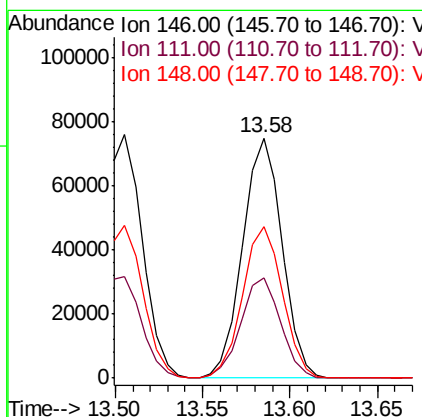
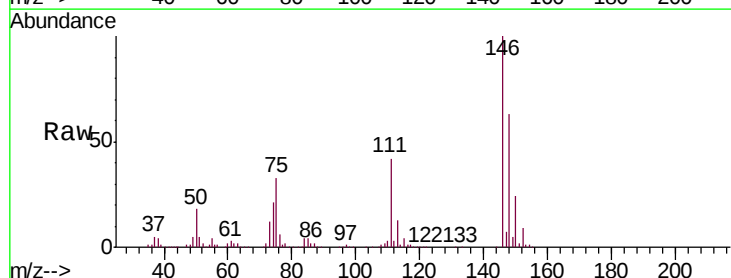
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

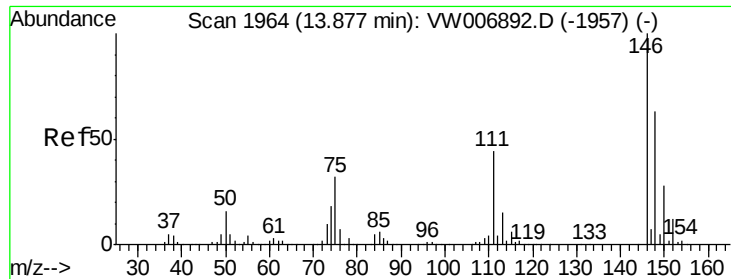
Tgt Ion:146 Resp: 119470
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.3 54.3
 148 62.9 43.0 80.0



#64
 1,4-Dichlorobenzene
 Concen: 25.528 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

Tgt Ion:146 Resp: 118227
 Ion Ratio Lower Upper
 146 100
 111 41.9 28.8 53.4
 148 63.2 43.2 80.2





#65

1,2-Dichlorobenzene

Concen: 25.964 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

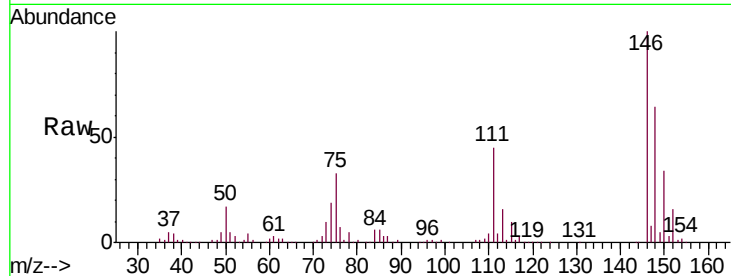
Tgt Ion:146 Resp: 108338

Ion Ratio Lower Upper

146 100

111 44.5 36.0 54.0

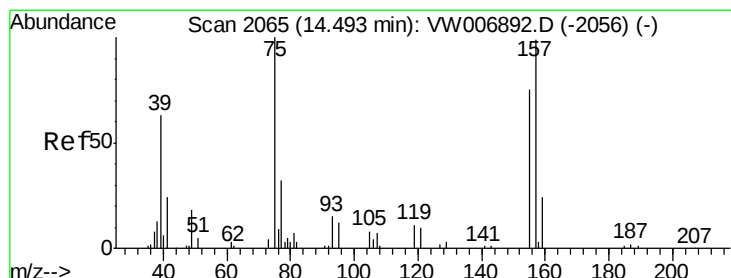
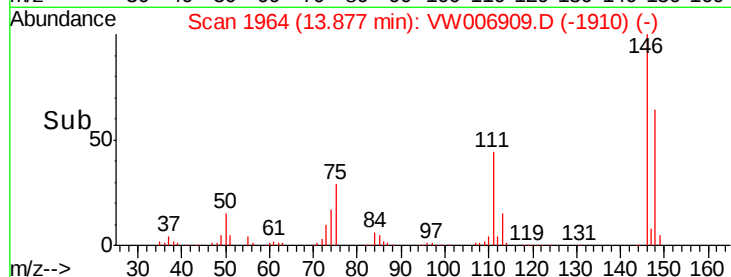
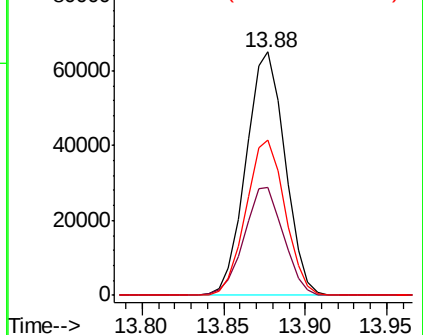
148 63.9 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 28.163 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

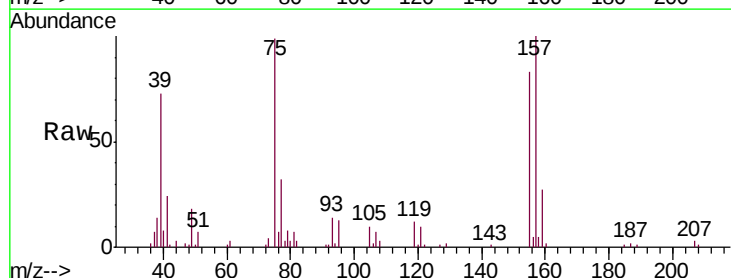
Tgt Ion: 75 Resp: 10894

Ion Ratio Lower Upper

75 100

157 100.6 85.0 127.6

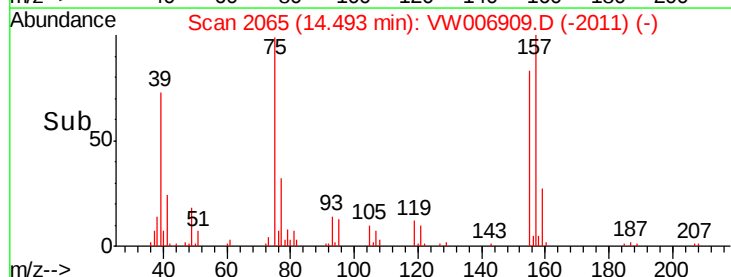
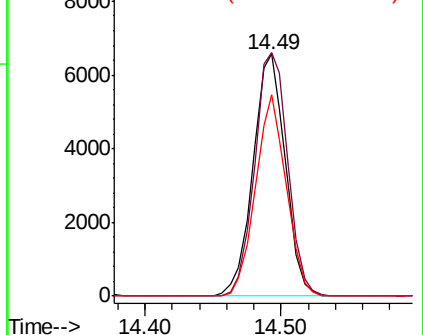
155 83.3 67.7 101.5

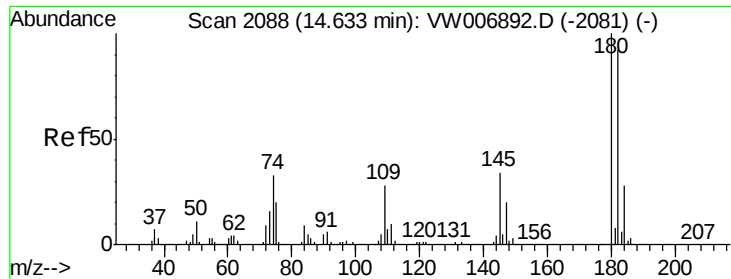


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

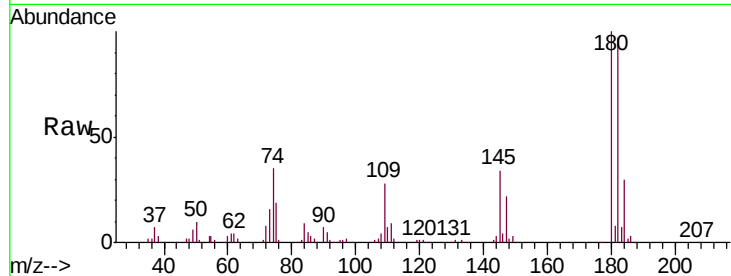




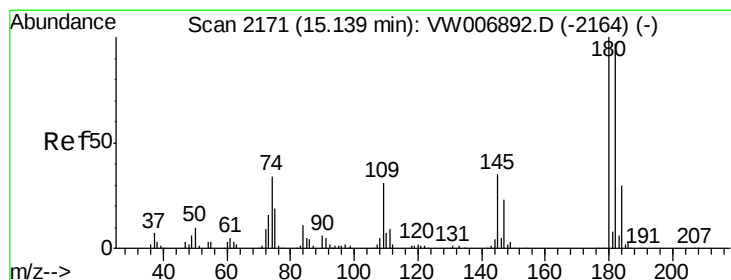
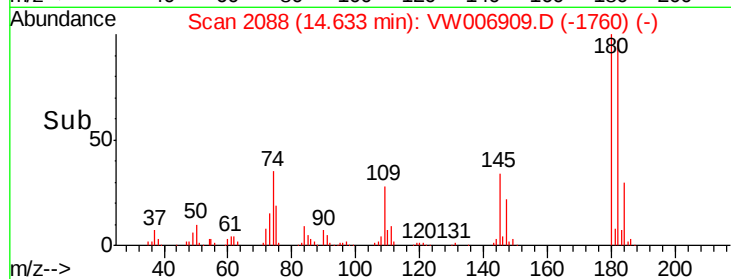
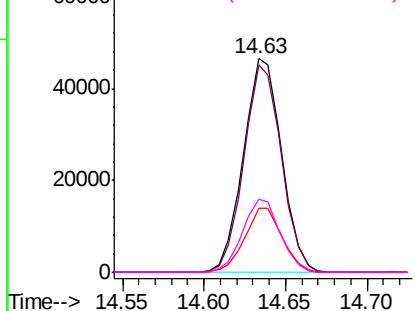
#67
 1,3,5-Trichlorobenzene
 Concen: 23.977 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

Tgt Ion:180 Resp: 75593
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.6 113.4
 184 29.5 24.2 36.4
 145 33.7 26.4 39.6

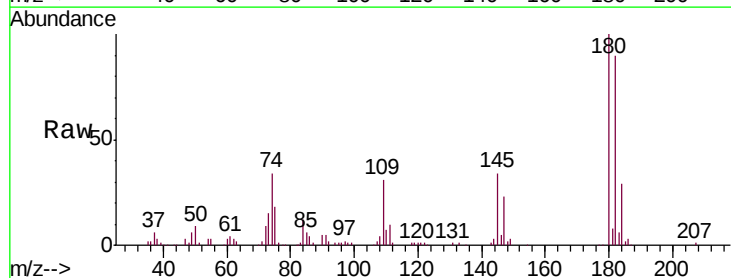


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

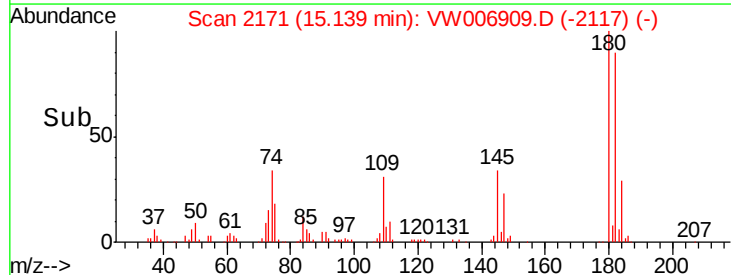
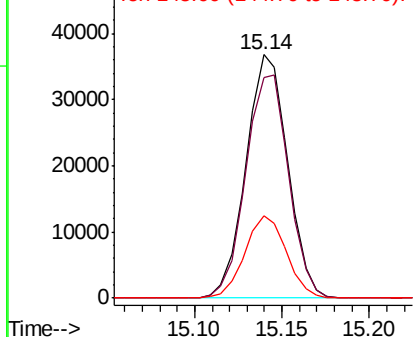


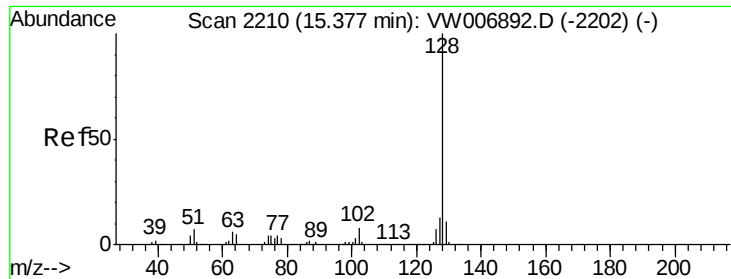
#68
 1,2,4-trichlorobenzene
 Concen: 23.984 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006909.D
 Acq: 15 Nov 2018 20:18

Tgt Ion:180 Resp: 61621
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.5 113.3
 145 33.7 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: 24.671 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

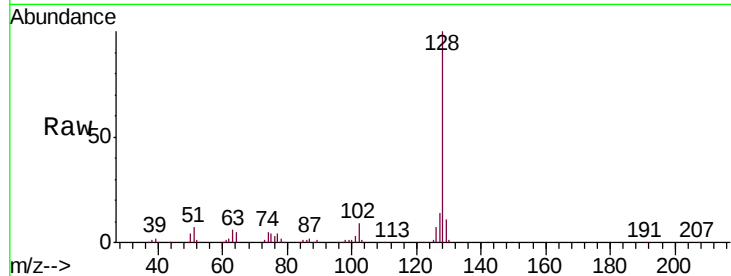
Tgt Ion:128 Resp: 151948

Ion Ratio Lower Upper

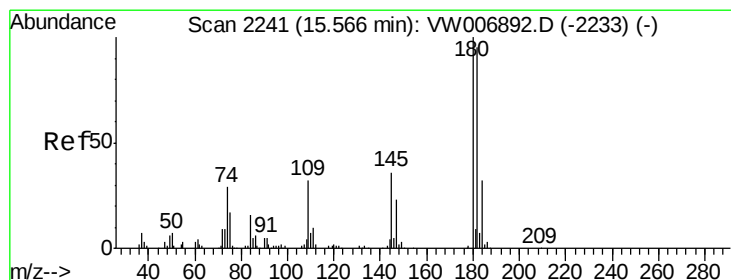
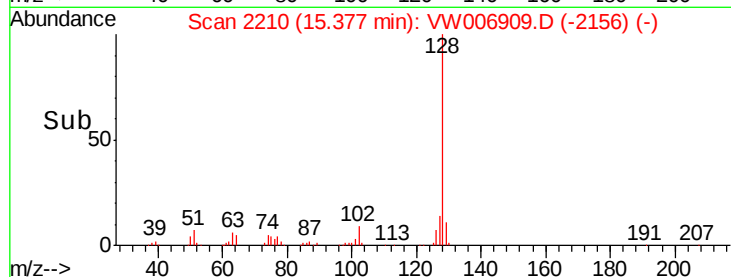
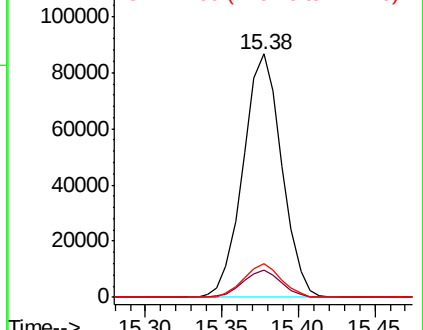
128 100

129 11.1 8.9 13.3

127 13.4 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: 24.010 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006909.D

Acq: 15 Nov 2018 20:18

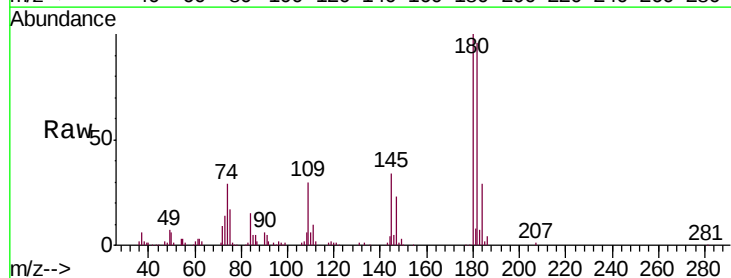
Tgt Ion:180 Resp: 54843

Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.6

145 35.3 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

