

Data File : VW014084.D
Acq On : 19 Nov 2019 15:08
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 4.94G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Quant Time: Nov 20 06:03:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 20 05:59:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	311071	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	298500	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	184673	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	114459	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.24%
7) Chloroethane-d5	2.89	69	94638	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.08%
10) 1,1-Dichloroethene-d2	4.02	63	239955	23.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.24%
20) 2-Butanone-d5	7.07	46	79579	55.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.38%
24) Chloroform-d	7.64	84	244598	25.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.28%
26) 1,2-Dichloroethane-d4	8.30	65	127860	26.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.36%
29) Benzene-d6	8.27	84	496729	23.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.80%
33) 1,2-Dichloropropane-d6	9.27	67	151228	24.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.52%
37) Toluene-d8	10.32	98	476014	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.80%
38) trans-1,3-Dichloropropene-	10.57	79	66981	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.84%
39) 2-Hexanone-d5	10.92	63	64750	55.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132281	28.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	175142	23.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.44%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	83611	22.601	ug/L	97
3) Chloromethane	2.21	50	68681	20.901	ug/L	99
5) Vinyl chloride	2.36	62	136502	26.605	ug/L	94
6) Bromomethane	2.78	94	83348	26.238	ug/L	100
8) Chloroethane	2.92	64	80087	26.242	ug/L	96
9) Trichlorofluoromethane	3.25	101	74535	21.304	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	138396	26.790	ug/L	98
12) 1,1-Dichloroethene	4.03	96	137559	26.195	ug/L	87
13) Acetone	4.12	43	50509	34.426	ug/L	97
14) Carbon disulfide	4.38	76	385081	25.765	ug/L	99
15) Methyl Acetate	4.67	43	69590	29.315	ug/L	99
16) Methylene chloride	4.91	84	144743	24.170	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	178327	26.323	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	143923	26.282	ug/L	92
19) 1,1-Dichloroethane	6.21	63	250268	27.133	ug/L	98
21) 2-Butanone	7.17	43	91218	48.393	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	156258	27.116	ug/L	98

Data File : VW014084.D
Acq On : 19 Nov 2019 15:08
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 4.94G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

Quant Time: Nov 20 06:03:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 20 05:59:38 2019
Response via : Initial Calibration

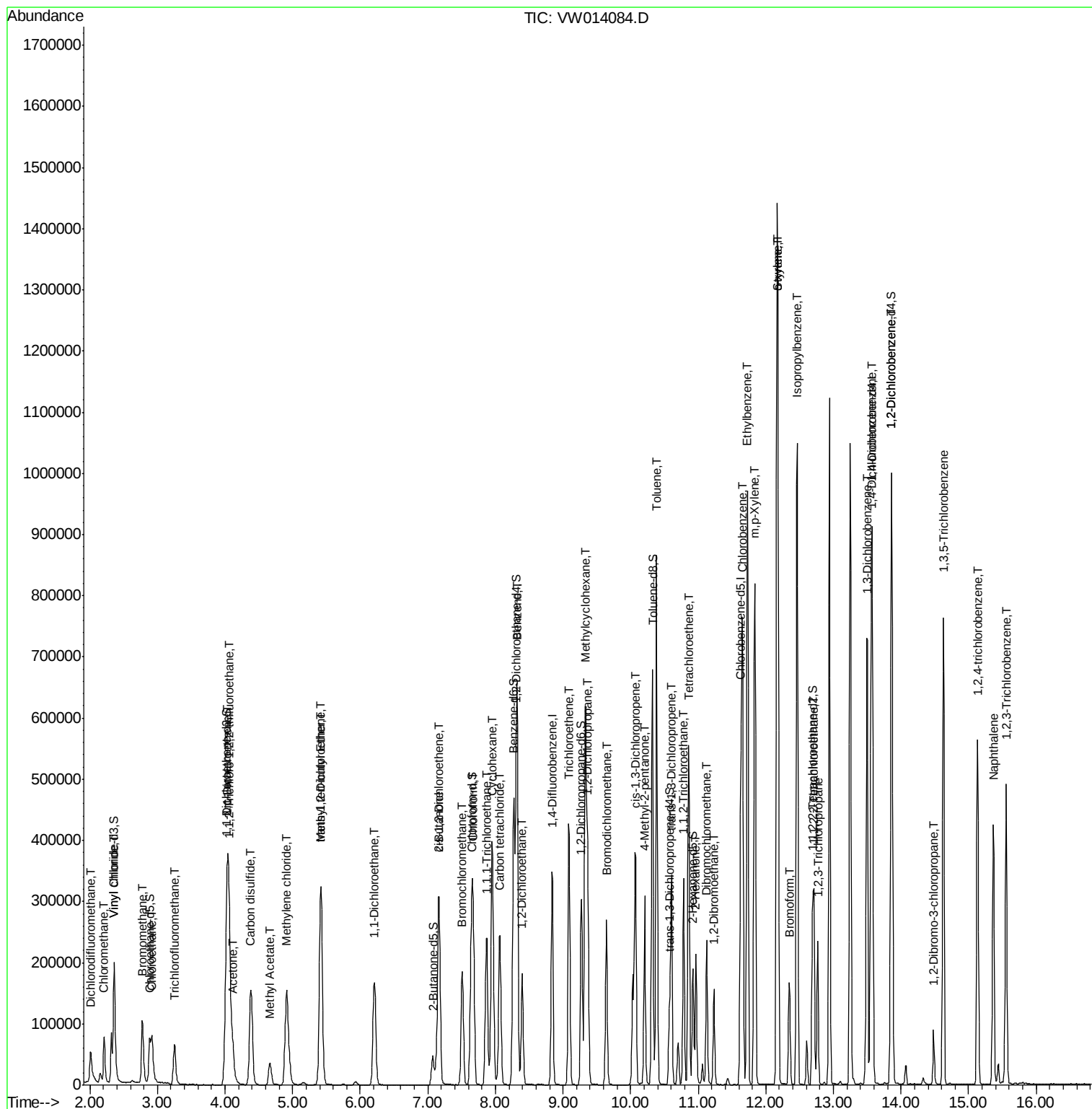
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72725	28.750	ug/L	91
25) Chloroform	7.67	83	256933	28.365	ug/L	100
27) 1,2-Dichloroethane	8.40	62	165917	30.254	ug/L	98
30) Cyclohexane	7.95	56	239431	25.064	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	198527	26.539	ug/L	98
32) Carbon tetrachloride	8.06	117	194222	27.046	ug/L	99
34) Benzene	8.32	78	584335	26.688	ug/L	100
35) Trichloroethene	9.09	95	151829	25.996	ug/L	99
36) Methylcyclohexane	9.33	83	263268	25.140	ug/L	98
40) 1,2-Dichloropropane	9.37	63	145947	27.690	ug/L	99
41) Bromodichloromethane	9.64	83	182494	28.640	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	230958	27.767	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	195372	56.141	ug/L	100
44) Toluene	10.38	91	634815	26.593	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	187446	28.498	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	110272	28.474	ug/L	96
47) Tetrachloroethene	10.86	164	138676	26.639	ug/L	98
49) 2-Hexanone	10.96	43	135708	54.090	ug/L	98
50) Dibromochloromethane	11.13	129	134460	29.539	ug/L	100
51) 1,2-Dibromoethane	11.23	107	106688	28.393	ug/L	98
52) Chlorobenzene	11.65	112	402230	26.877	ug/L	94
53) Ethylbenzene	11.73	91	705713	26.940	ug/L	99
54) m,p-Xylene	11.84	106	276288	27.140	ug/L	99
55) o-xylene	12.16	106	262248	27.509	ug/L	95
56) Styrene	12.18	104	454530	28.225	ug/L	99
57) Isopropylbenzene	12.46	105	707396	26.989	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	136516	30.193	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	100114	29.441	ug/L	99
62) Bromoform	12.35	173	85406	28.220	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	332524	25.644	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	332870	25.982	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	305654	26.619	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	21940	28.057	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	259350	26.244	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	206181	26.535	ug/L	98
69) Naphthalene	15.36	128	374322	27.116	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	186083	27.136	ug/L	98

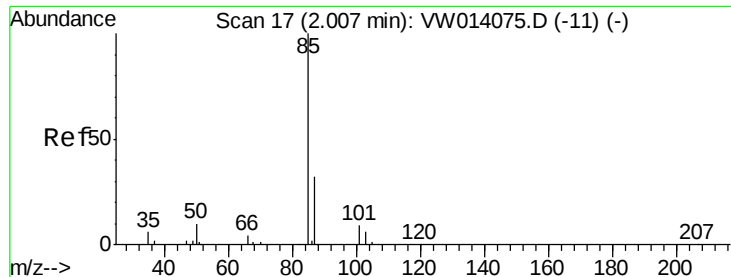
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW014084.D
Acq On : 19 Nov 2019 15:08
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 4.94G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample Id :
VSTD02514

Quant Time: Nov 20 06:03:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 20 05:59:38 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.601 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

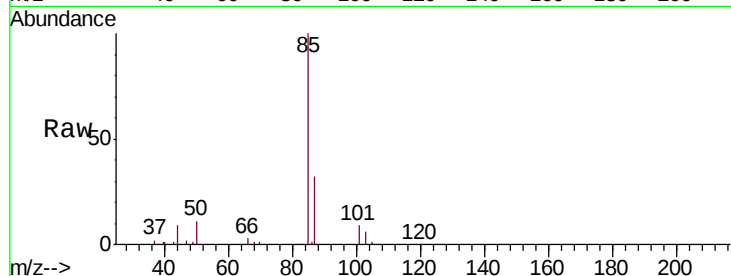
VSTD02514

Tgt Ion: 85 Resp: 83611

Ion Ratio Lower Upper

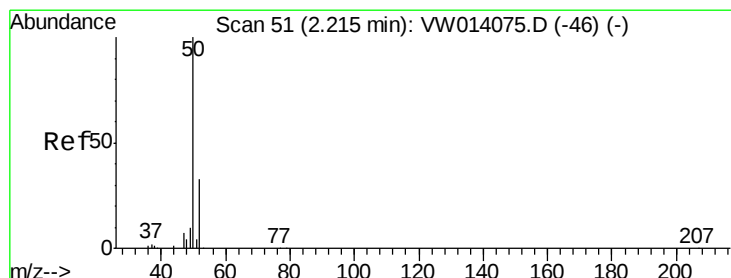
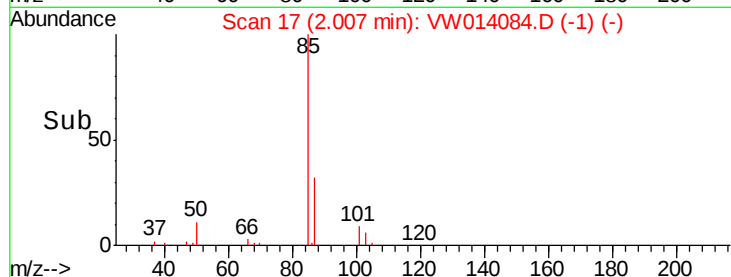
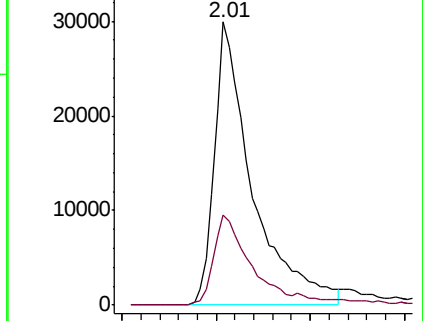
85 100

87 30.2 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.901 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014084.D

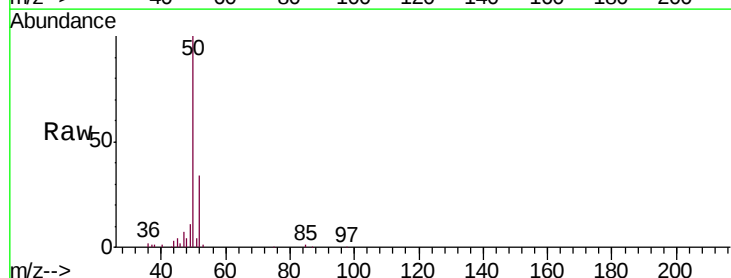
Acq: 19 Nov 2019 15:08

Tgt Ion: 50 Resp: 68681

Ion Ratio Lower Upper

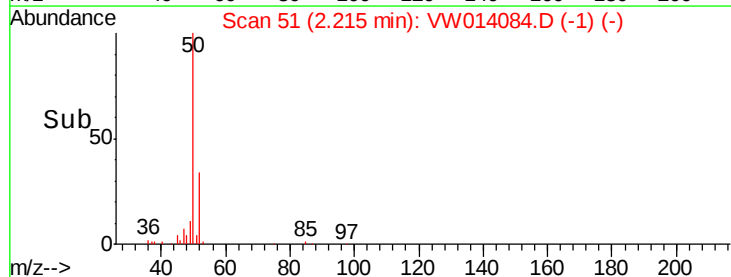
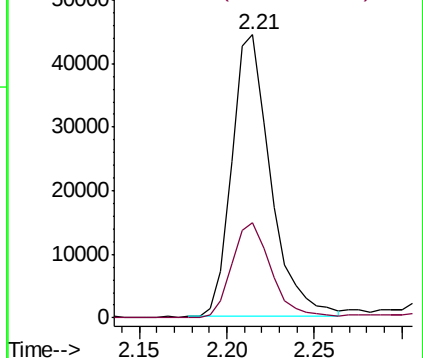
50 100

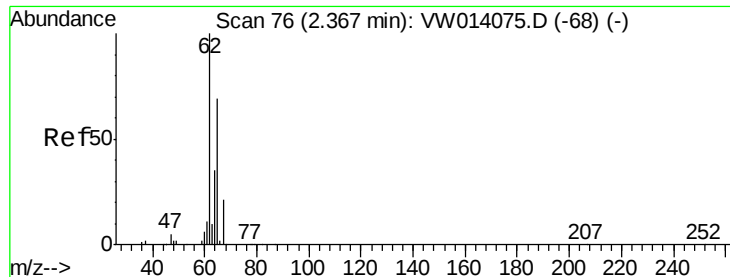
52 33.5 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.605 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

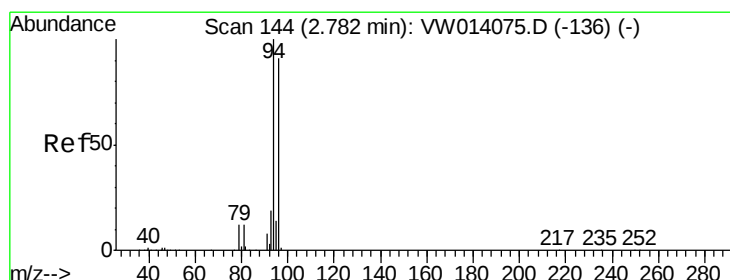
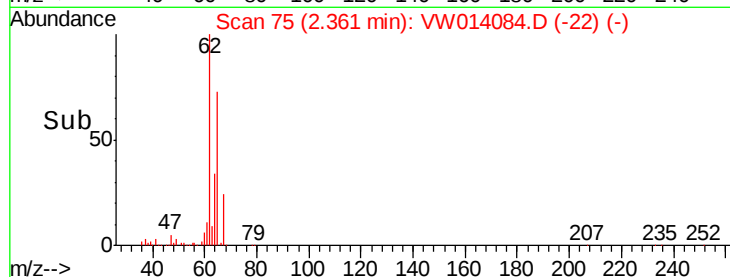
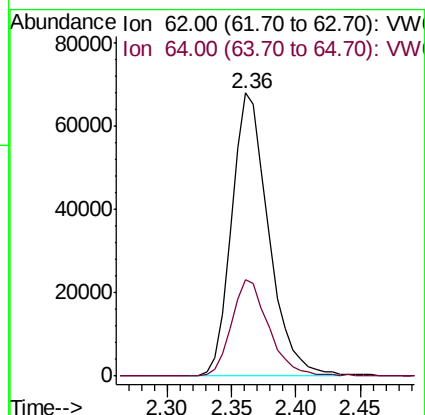
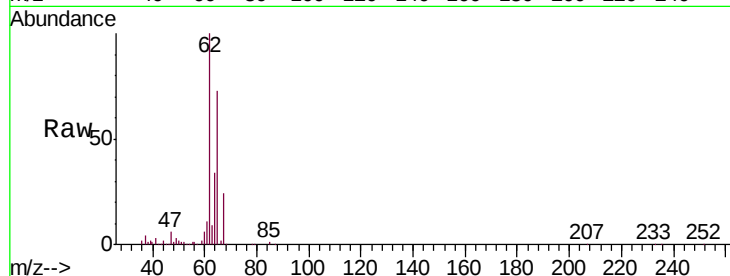
VSTD02514

Tgt Ion: 62 Resp: 136502

Ion Ratio Lower Upper

62 100

64 34.2 21.8 40.4



#6

Bromomethane

Concen: 26.238 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014084.D

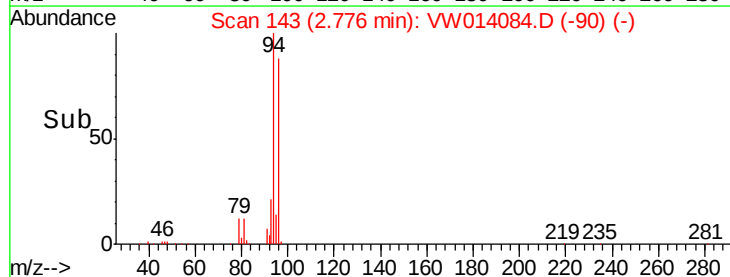
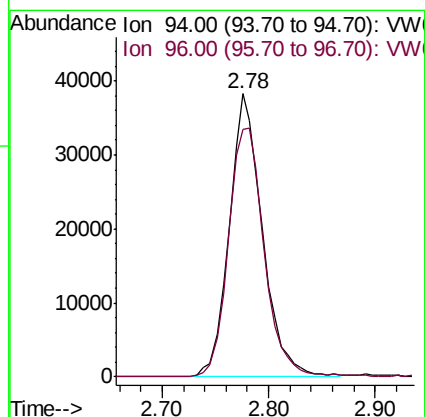
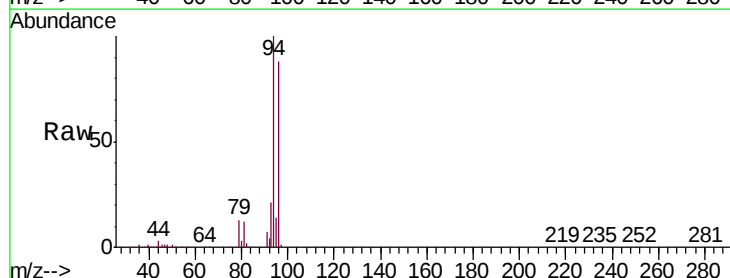
Acq: 19 Nov 2019 15:08

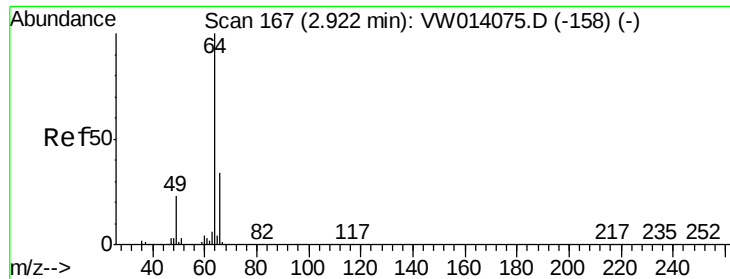
Tgt Ion: 94 Resp: 83348

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.8





#8

Chloroethane

Concen: 26.242 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

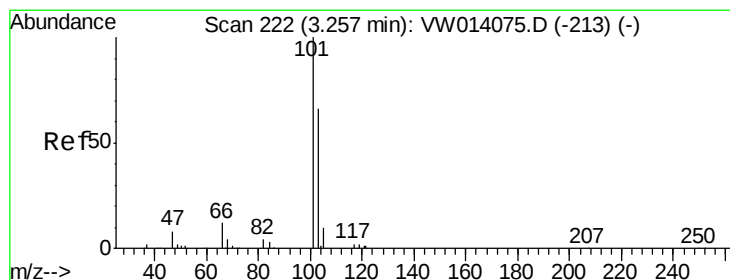
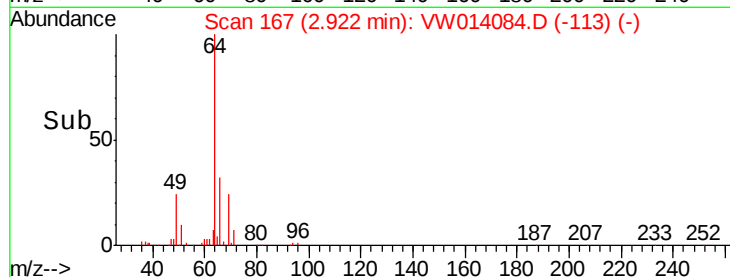
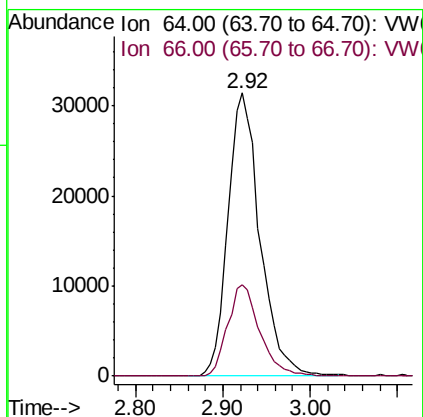
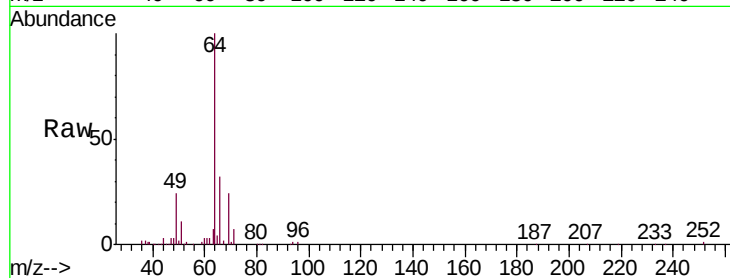
VSTD02514

Tgt Ion: 64 Resp: 80087

Ion Ratio Lower Upper

64 100

66 32.5 21.2 39.4



#9

Trichlorofluoromethane

Concen: 21.304 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014084.D

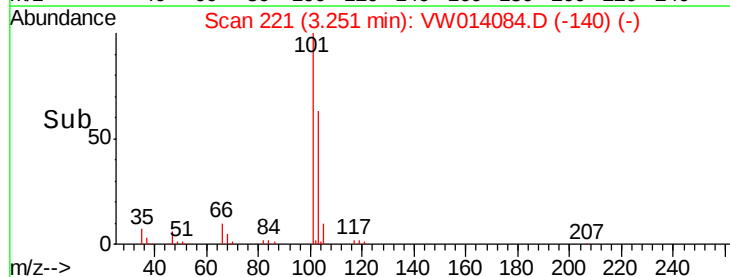
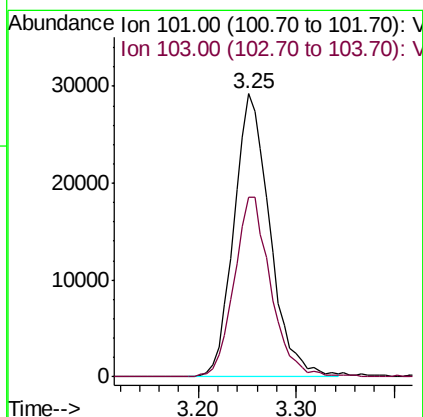
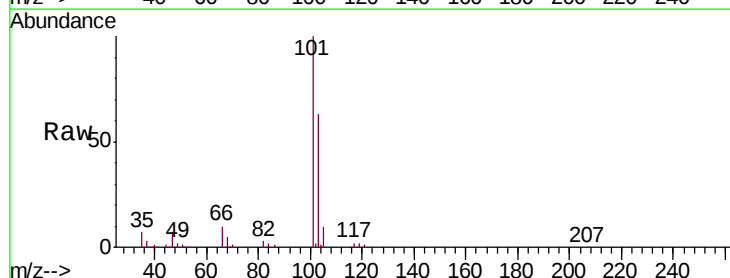
Acq: 19 Nov 2019 15:08

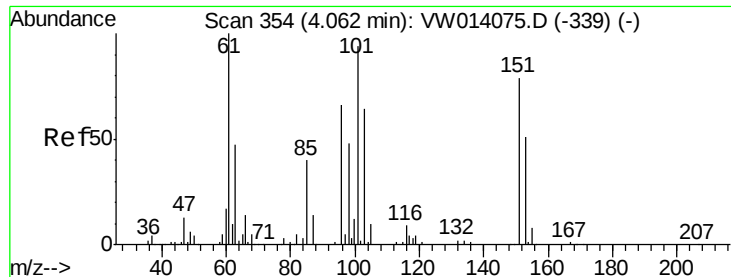
Tgt Ion: 101 Resp: 74535

Ion Ratio Lower Upper

101 100

103 63.7 45.4 84.2





#11

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

Concen: 26.790 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

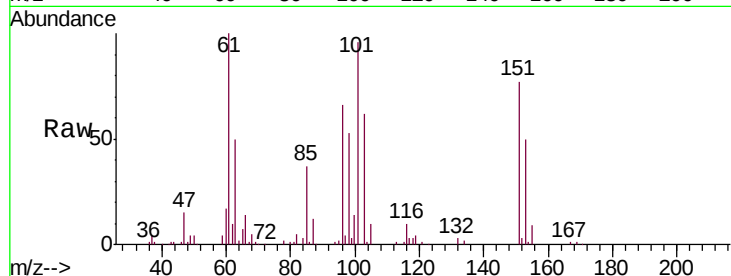
Tgt Ion: 101 Resp: 138396

Ion Ratio Lower Upper

101 100

85 40.8 31.4 47.2

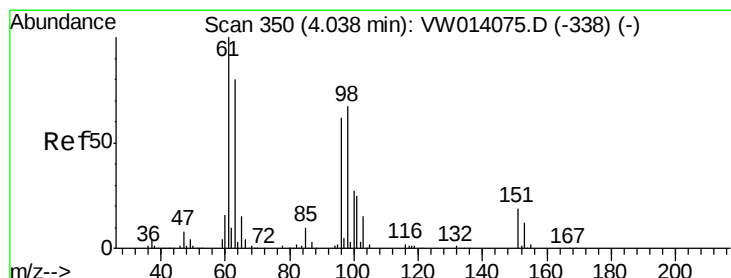
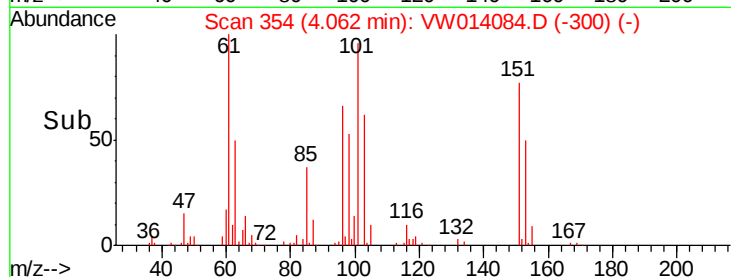
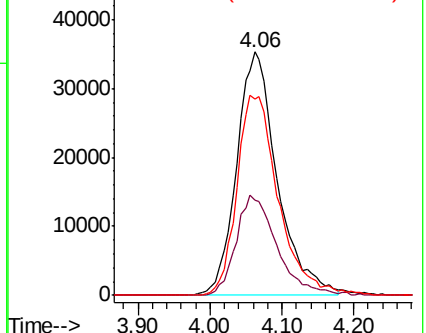
151 82.3 66.9 100.3



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: 26.195 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

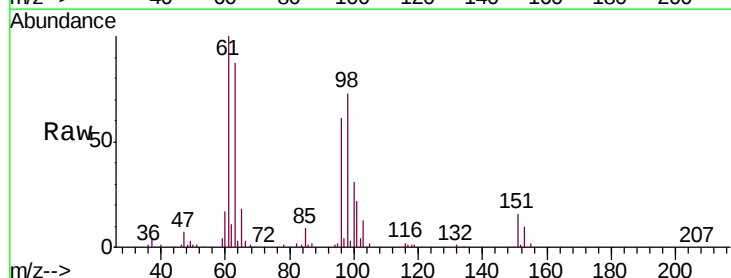
Tgt Ion: 96 Resp: 137559

Ion Ratio Lower Upper

96 100

61 163.2 109.8 204.0

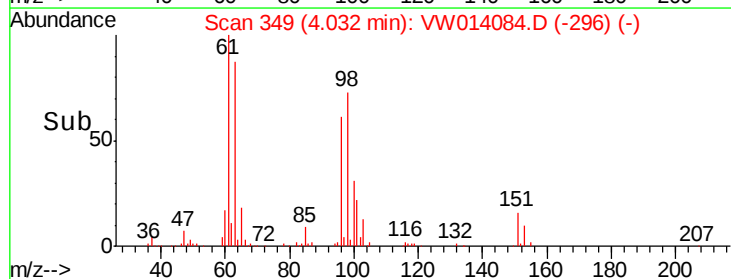
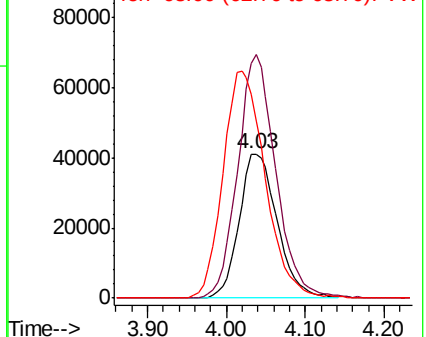
63 141.4 80.7 149.9

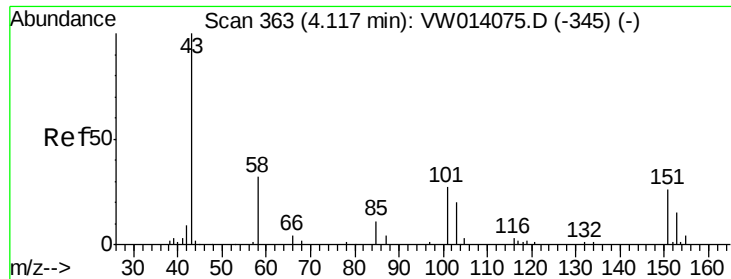


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 34.426 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

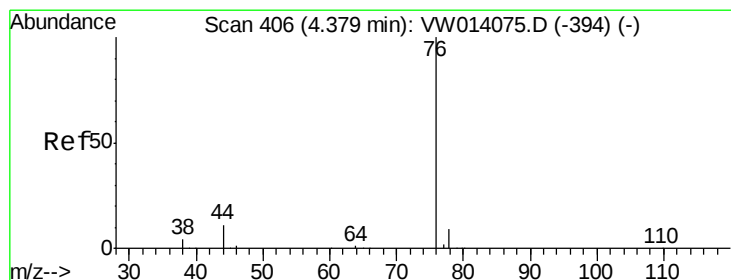
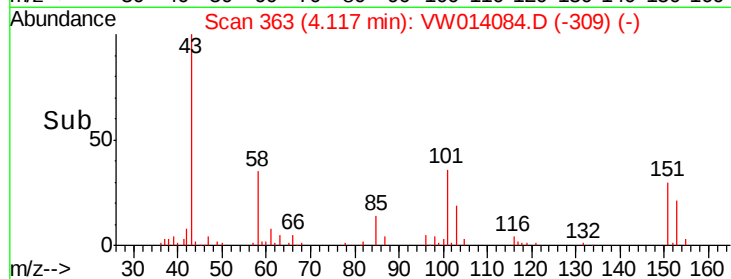
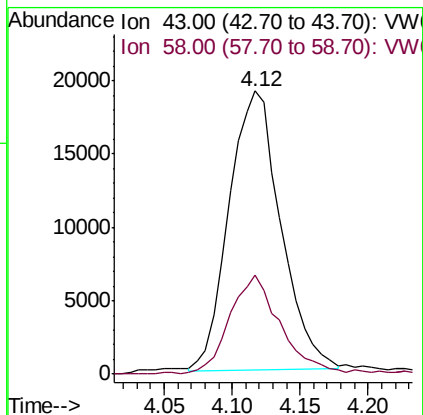
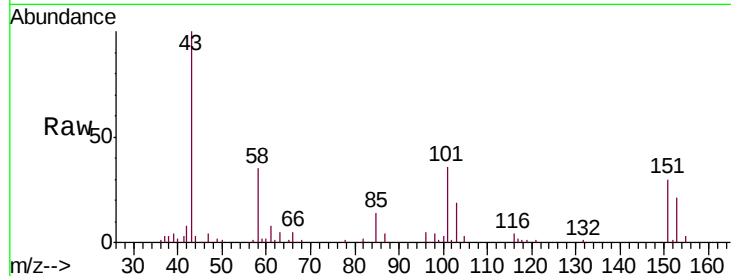
VSTD02514

Tgt Ion: 43 Resp: 50509

Ion Ratio Lower Upper

43 100

58 34.5 0.0 65.4



#14

Carbon disulfide

Concen: 25.765 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW014084.D

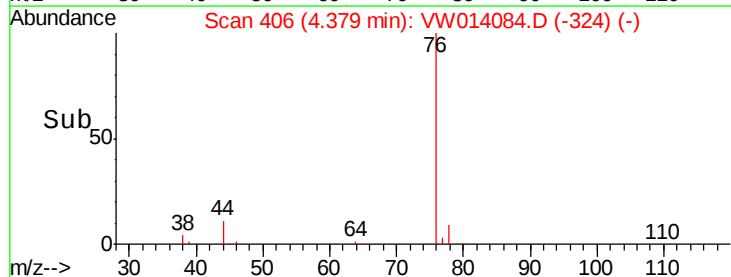
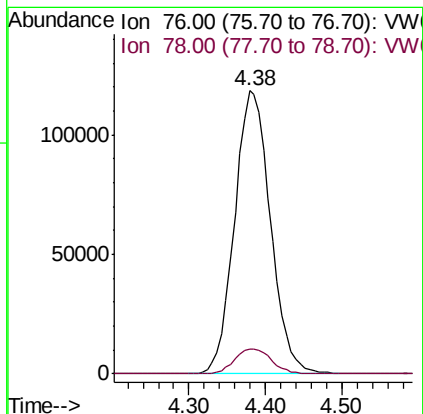
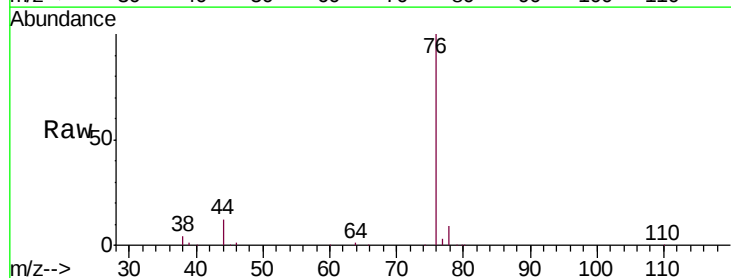
Acq: 19 Nov 2019 15:08

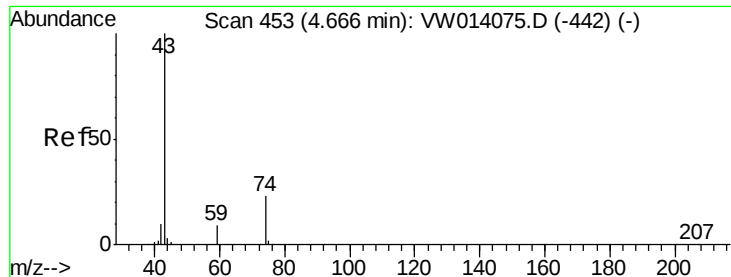
Tgt Ion: 76 Resp: 385081

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8

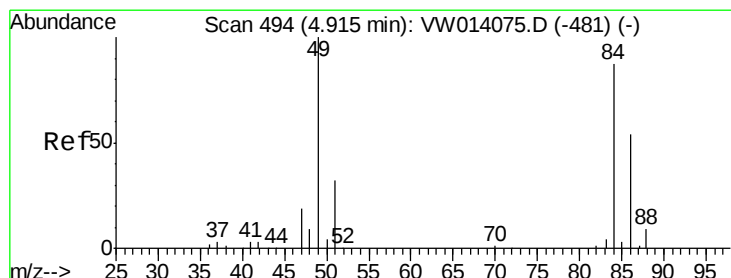
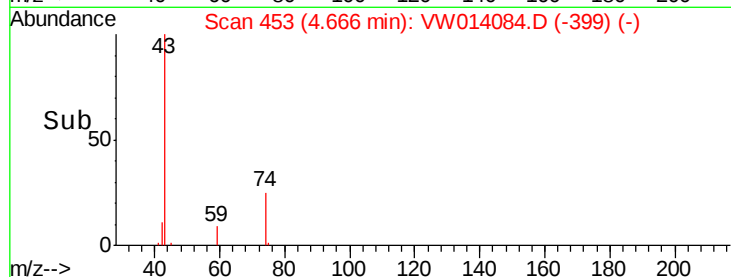
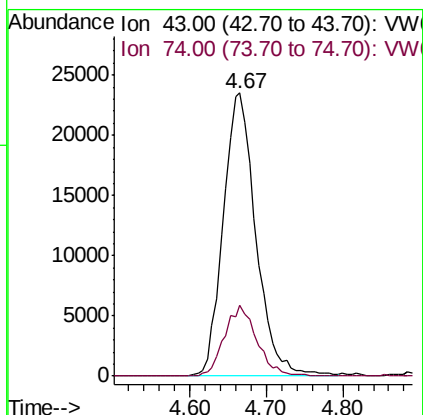
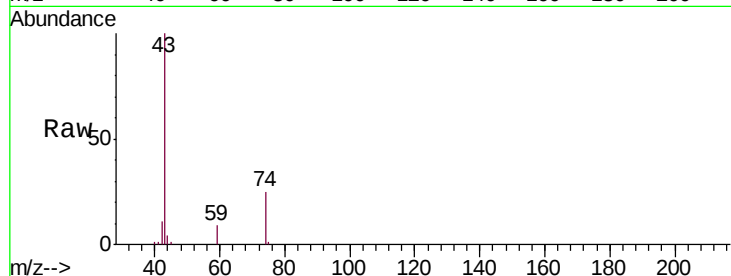




#15
Methyl Acetate
Concen: 29.315 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014084.D
Acq: 19 Nov 2019 15:08

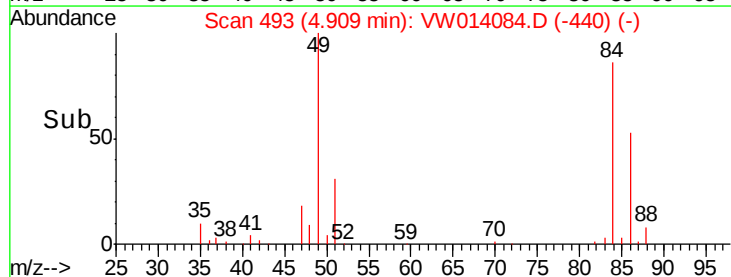
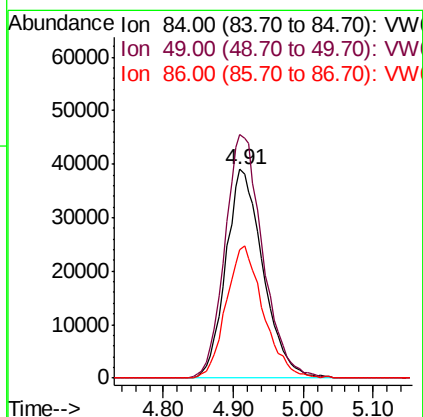
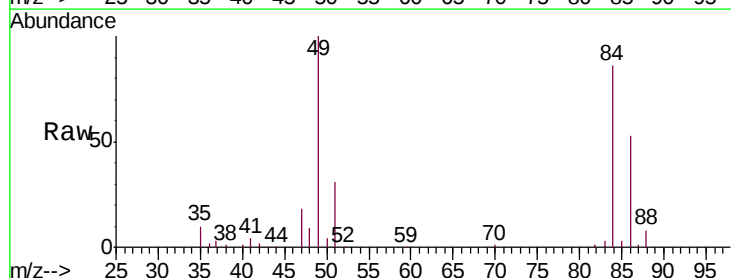
Instrument :
MSVOA_W
ClientSampled :
VSTD02514

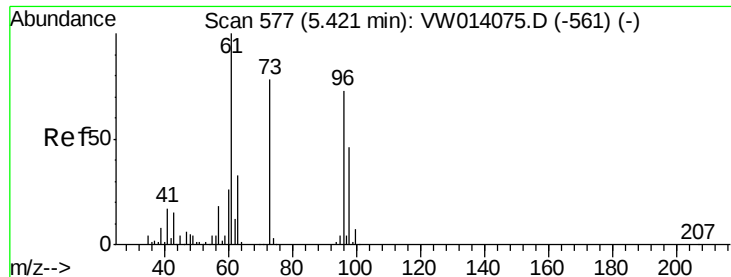
Tgt Ion: 43 Resp: 69590
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9



#16
Methylene chloride
Concen: 24.170 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014084.D
Acq: 19 Nov 2019 15:08

Tgt Ion: 84 Resp: 144743
Ion Ratio Lower Upper
84 100
49 116.6 84.2 156.4
86 61.7 43.7 81.1

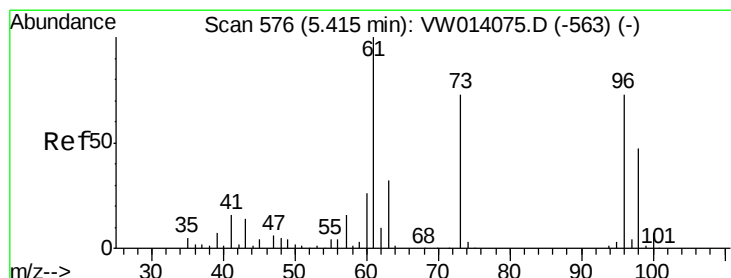
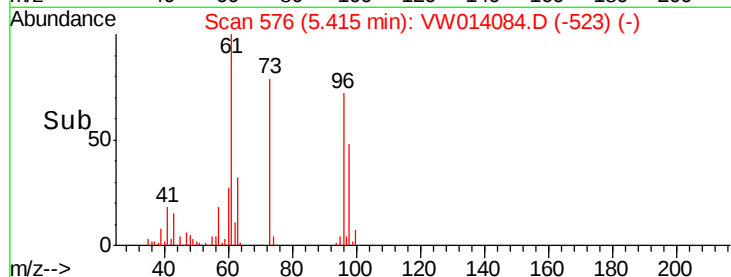
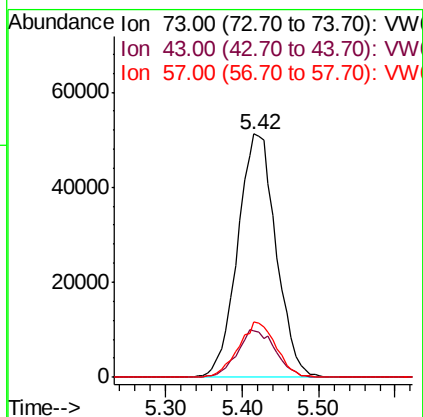
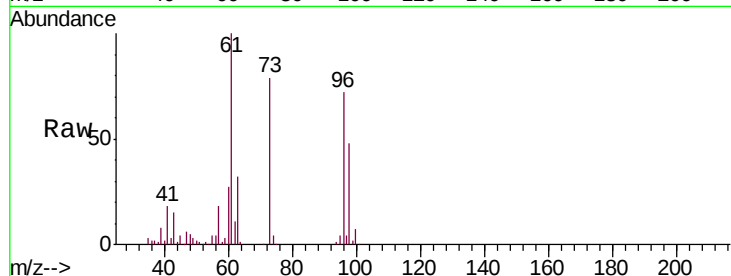




#17
Methyl tert-butyl Ether
Concen: 26.323 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014084.D
Acq: 19 Nov 2019 15:08

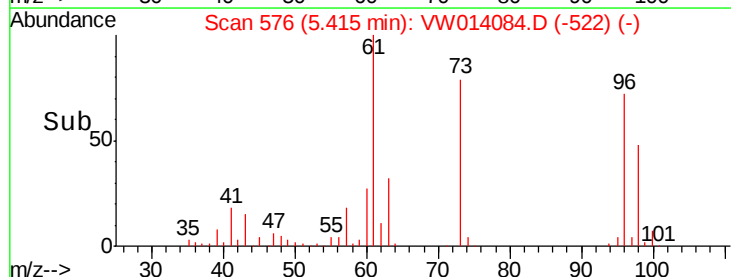
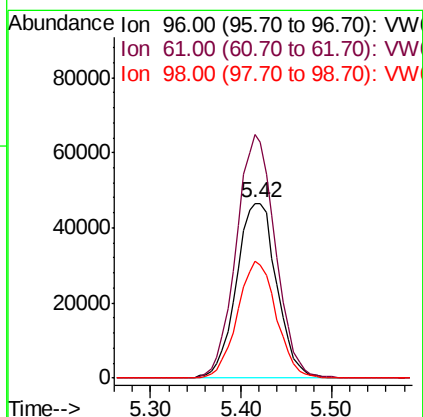
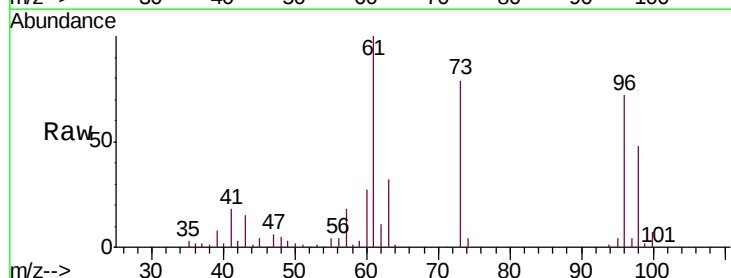
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

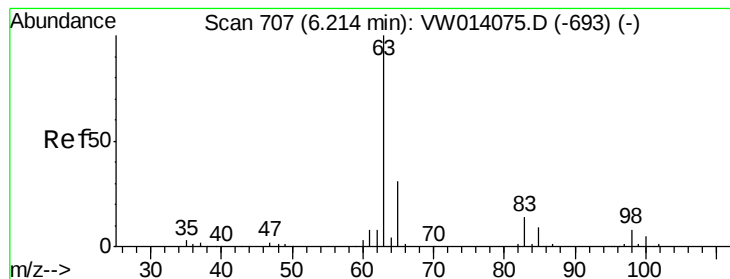
Tgt Ion: 73 Resp: 178327
Ion Ratio Lower Upper
73 100
43 19.5 15.5 23.3
57 22.2 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 26.282 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014084.D
Acq: 19 Nov 2019 15:08

Tgt Ion: 96 Resp: 143923
Ion Ratio Lower Upper
96 100
61 139.2 90.6 168.2
98 66.6 42.9 79.7





#19

1,1-Dichloroethane

Concen: 27.133 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampled :

VSTD02514

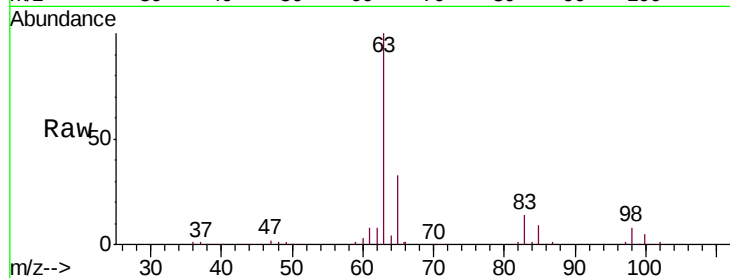
Tgt Ion: 63 Resp: 250268

Ion Ratio Lower Upper

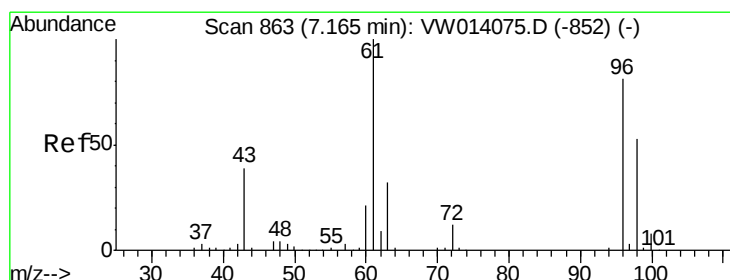
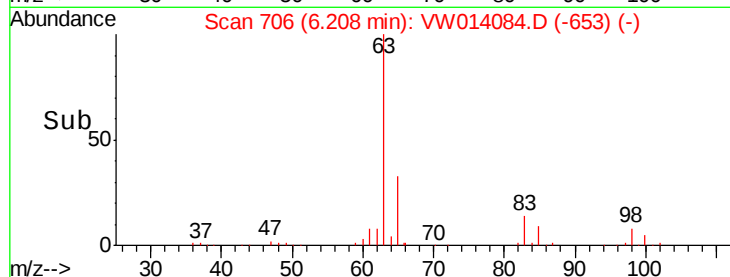
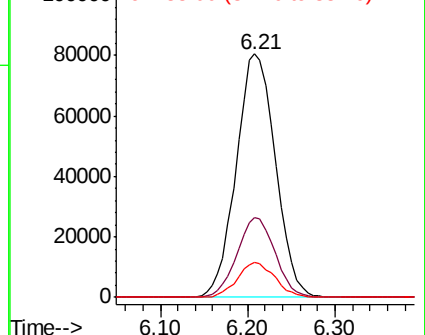
63 100

65 32.5 22.1 41.1

83 14.2 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 48.393 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014084.D

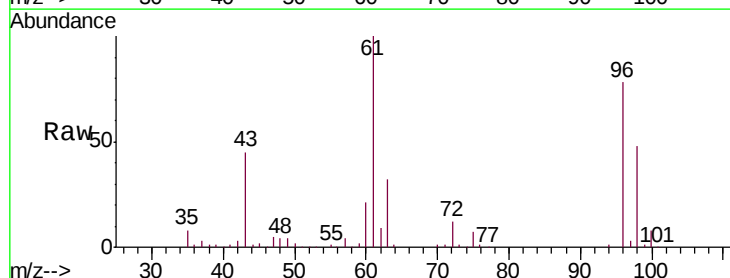
Acq: 19 Nov 2019 15:08

Tgt Ion: 43 Resp: 91218

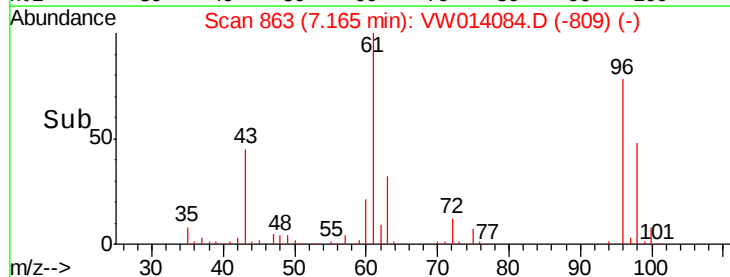
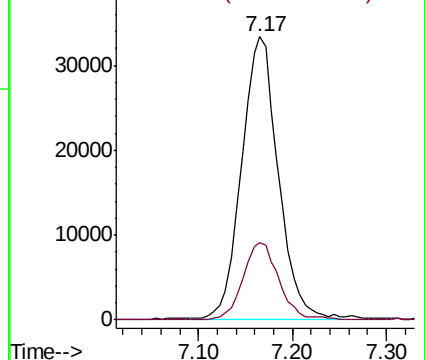
Ion Ratio Lower Upper

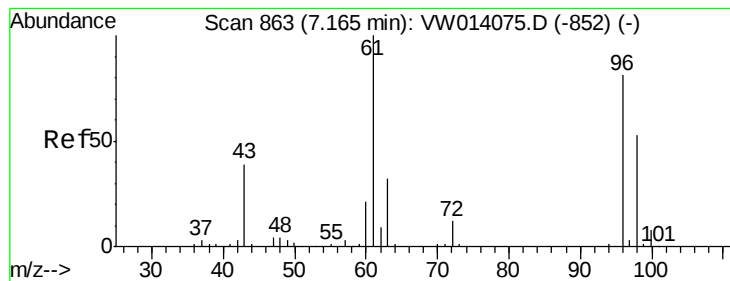
43 100

72 26.8 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



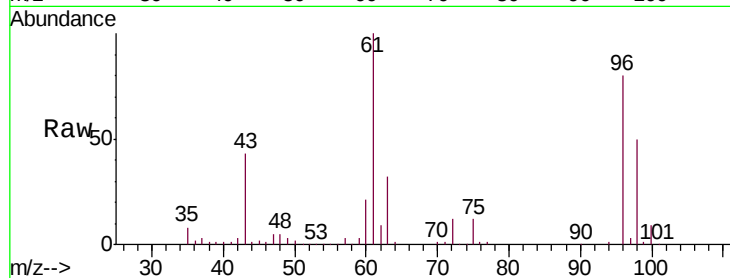


#22

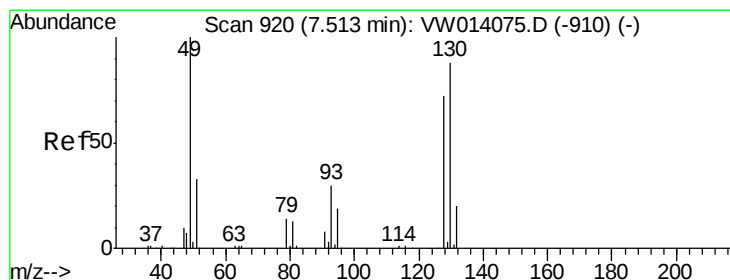
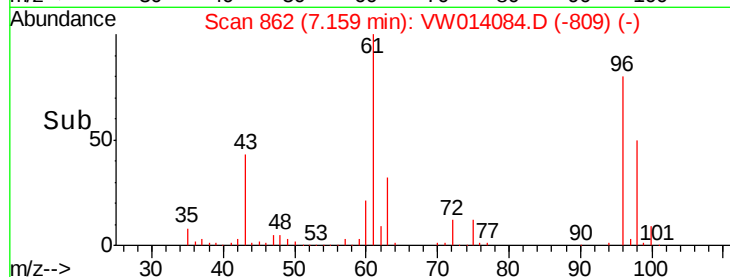
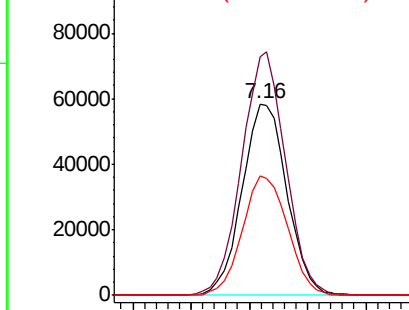
cis-1,2-Dichloroethene
 Concen: 27.116 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tgt Ion: 96 Resp: 156258
 Ion Ratio Lower Upper
 96 100
 61 124.8 86.9 161.5
 98 62.3 45.5 84.5



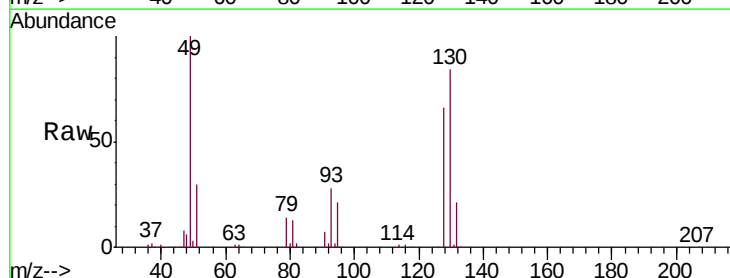
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



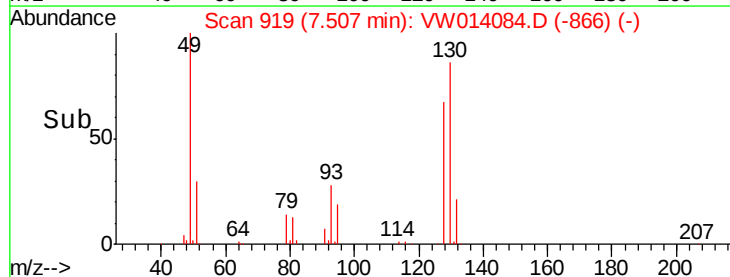
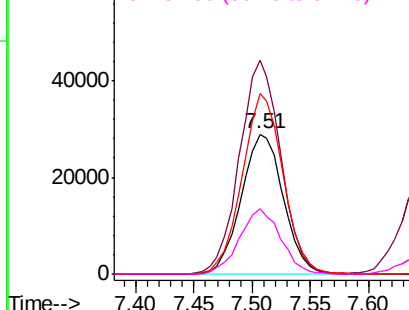
#23

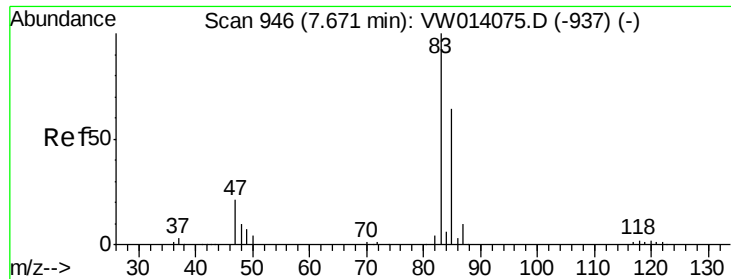
Bromochloromethane
 Concen: 28.750 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

Tgt Ion: 128 Resp: 72725
 Ion Ratio Lower Upper
 128 100
 49 152.5 95.1 176.5
 130 128.7 85.0 158.0
 51 46.4 36.7 55.1



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

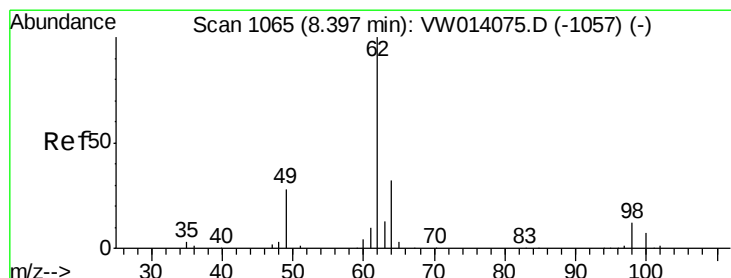
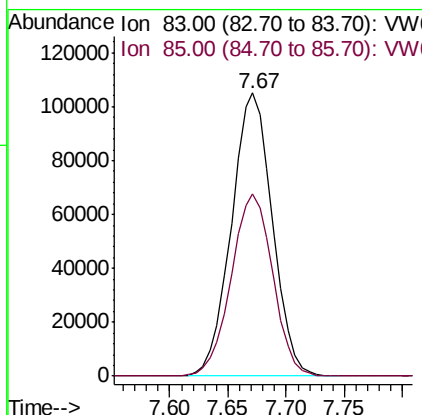
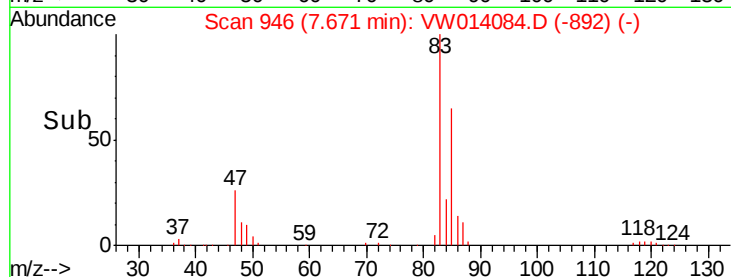
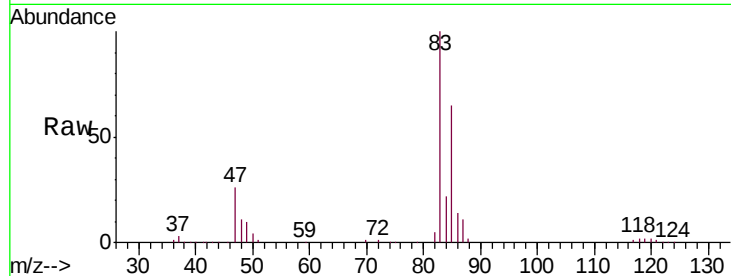




#25
Chloroform
Concen: 28.365 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014084.D
Acq: 19 Nov 2019 15:08

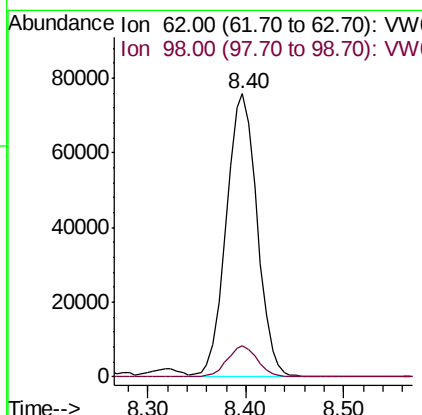
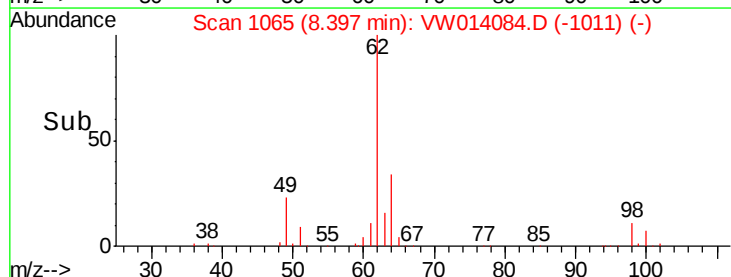
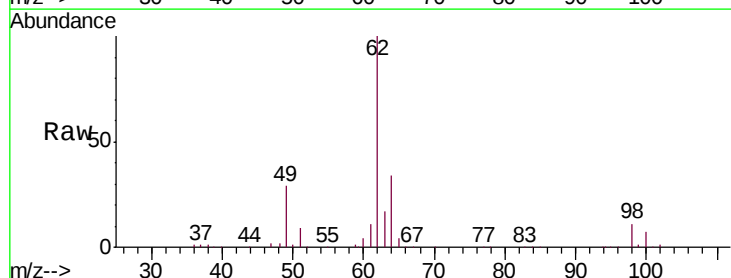
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

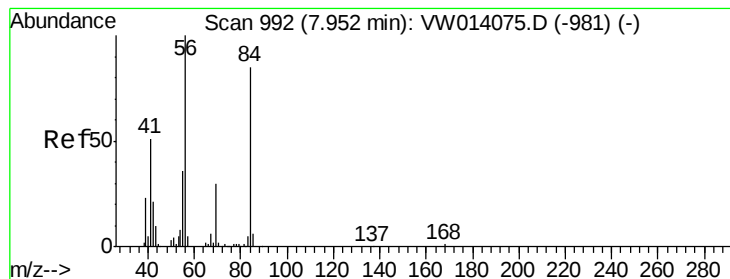
Tgt Ion: 83 Resp: 256933
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 30.254 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014084.D
Acq: 19 Nov 2019 15:08

Tgt Ion: 62 Resp: 165917
Ion Ratio Lower Upper
62 100
98 11.0 9.3 13.9





#30

Cyclohexane

Concen: 25.064 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

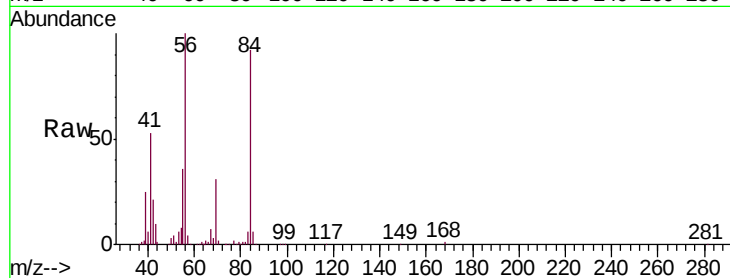
Tgt Ion: 56 Resp: 239431

Ion Ratio Lower Upper

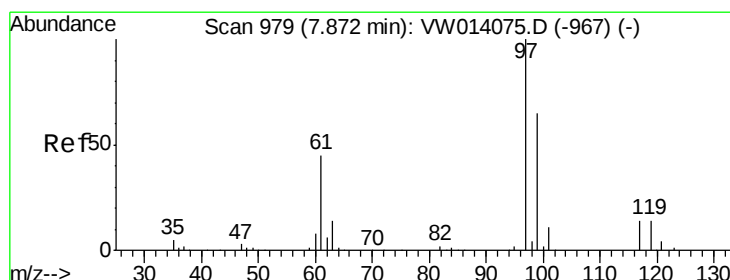
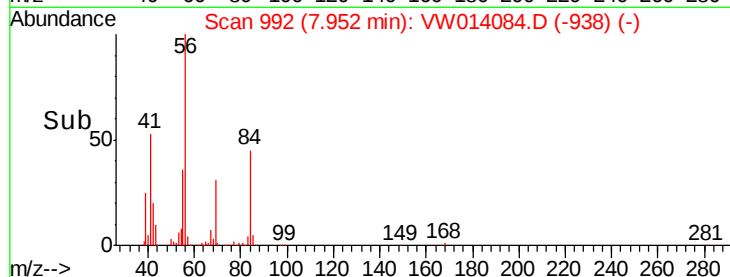
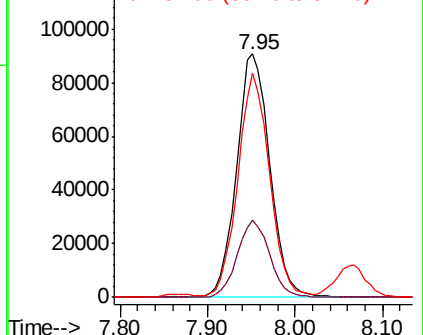
56 100

69 30.9 24.6 37.0

84 87.9 70.2 105.2



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: 26.539 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

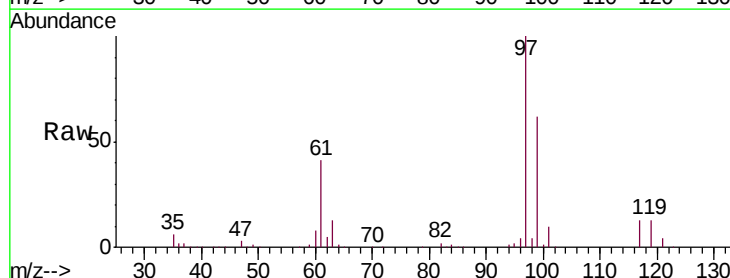
Tgt Ion: 97 Resp: 198527

Ion Ratio Lower Upper

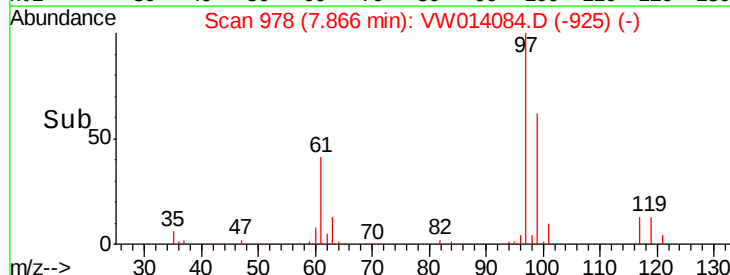
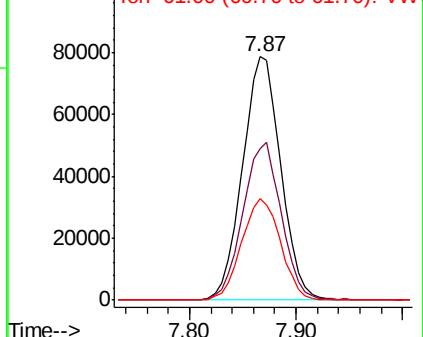
97 100

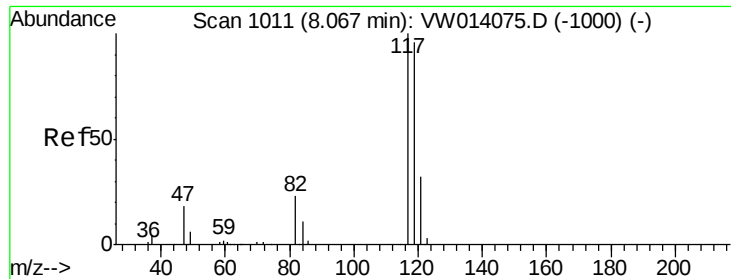
99 65.1 51.1 76.7

61 42.3 32.8 49.2



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

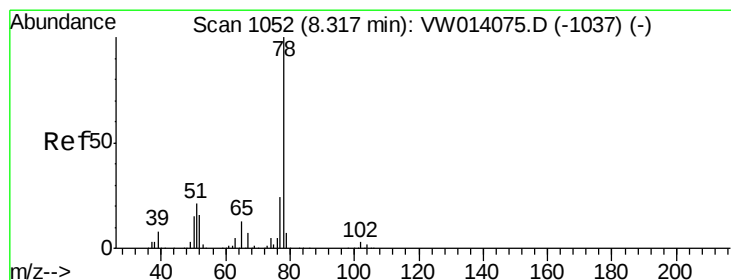
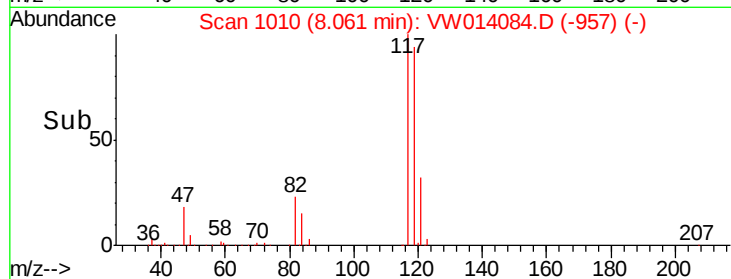
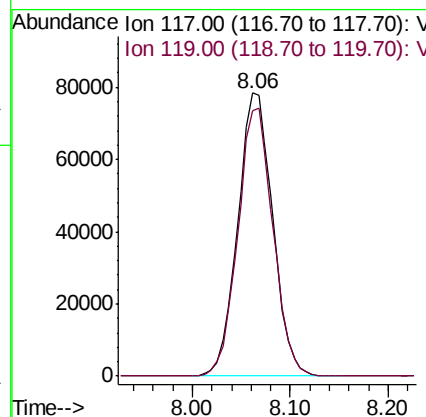
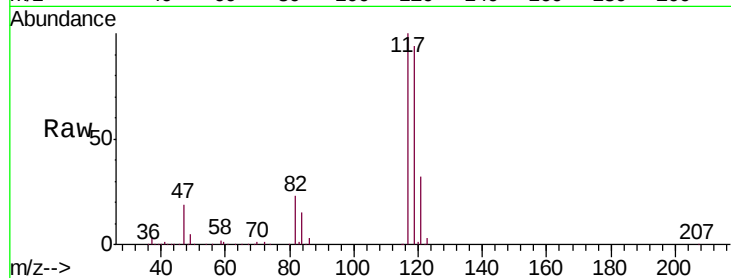




#32
Carbon tetrachloride
Concen: 27.046 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014084.D
Acq: 19 Nov 2019 15:08

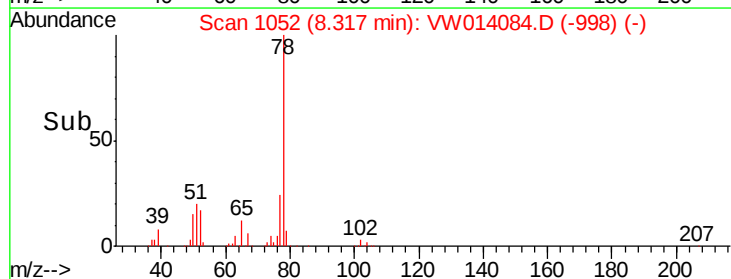
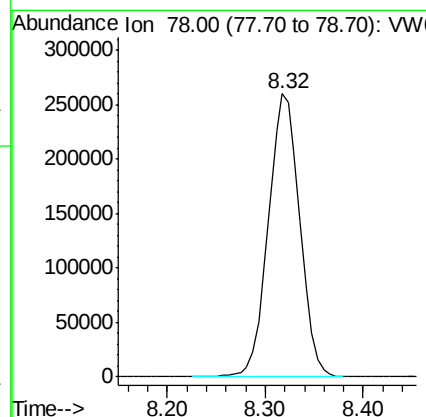
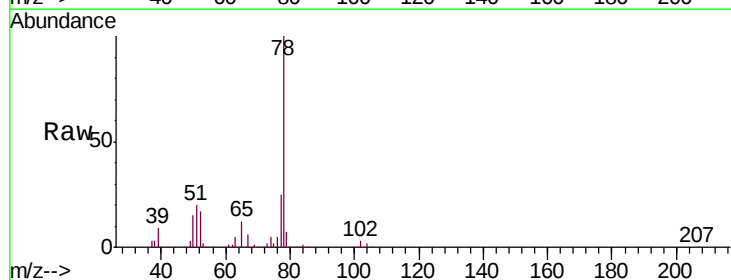
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

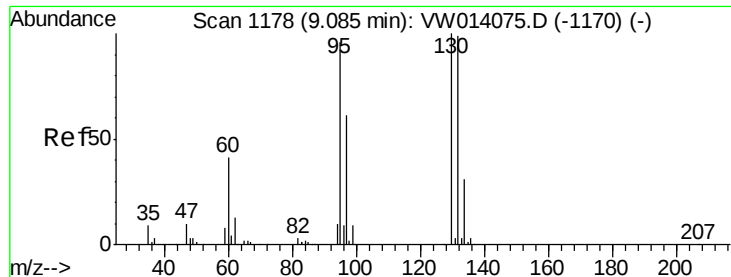
Tgt Ion:117 Resp: 194222
Ion Ratio Lower Upper
117 100
119 95.1 76.7 115.1



#34
Benzene
Concen: 26.688 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014084.D
Acq: 19 Nov 2019 15:08

Tgt Ion: 78 Resp: 584335

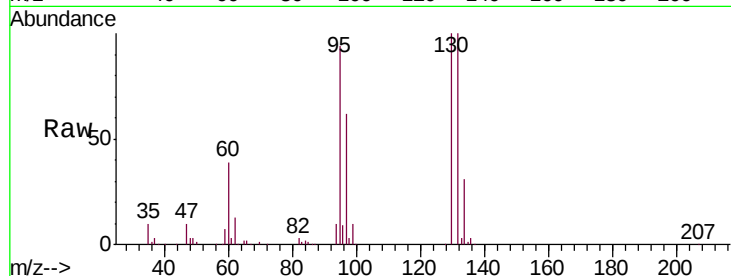




#35
 Trichloroethene
 Concen: 25.996 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tgt Ion:	95	Resp:	151829
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.1	83.9
132	104.0	73.7	136.9
130	108.2	76.6	142.2



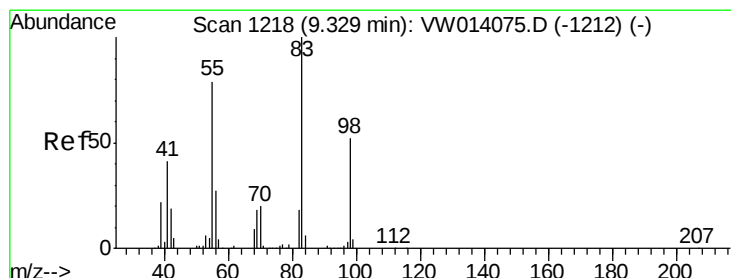
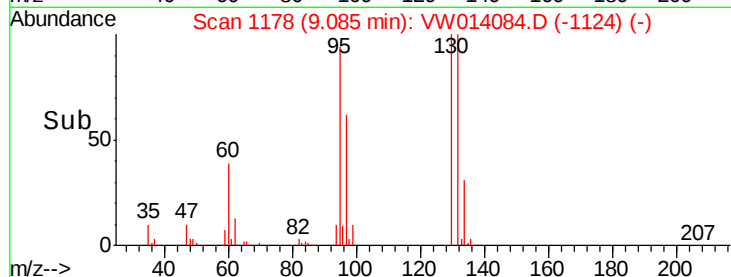
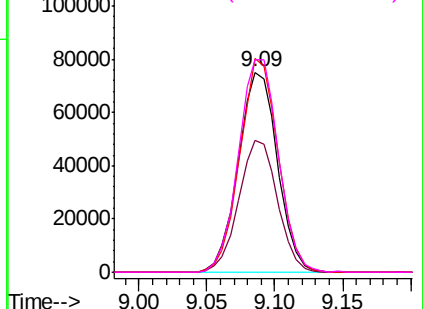
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

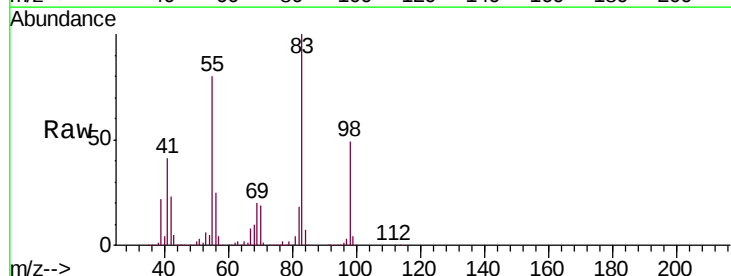
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 25.140 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

Tgt Ion:	83	Resp:	263268
Ion	Ratio	Lower	Upper
83	100		
55	77.0	59.8	89.8
98	50.6	39.5	59.3

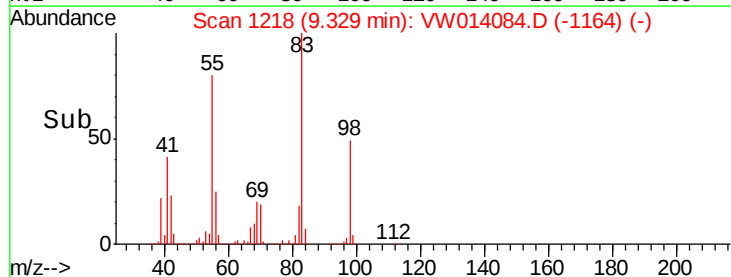
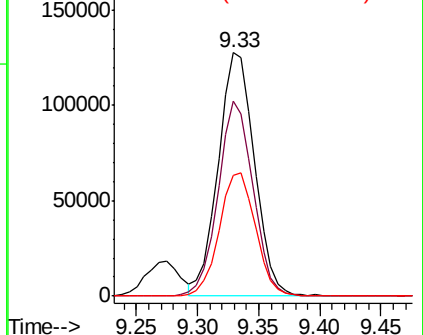


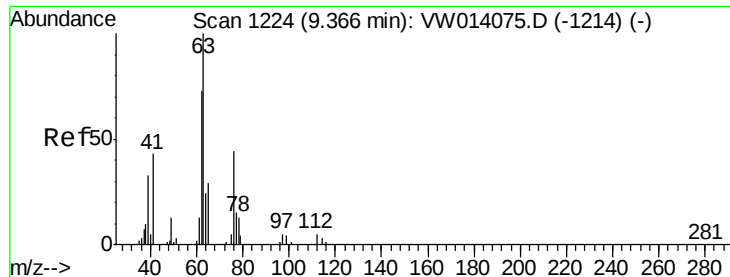
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

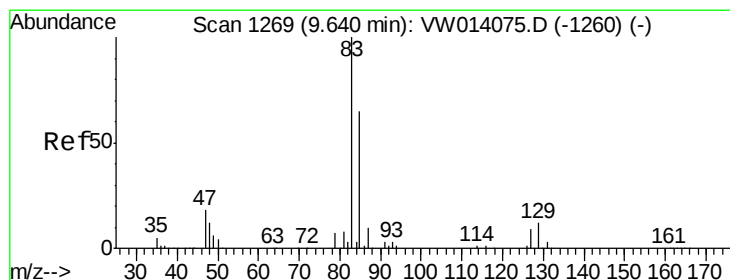
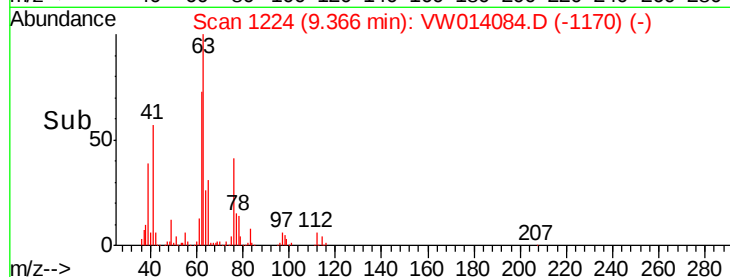
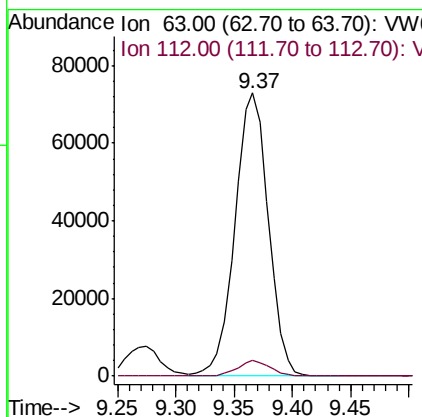
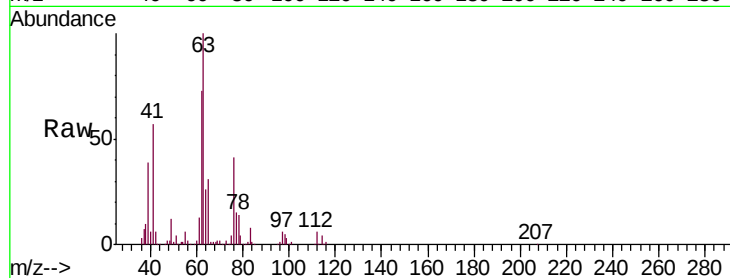




#40
 1,2-Dichloropropane
 Concen: 27.690 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

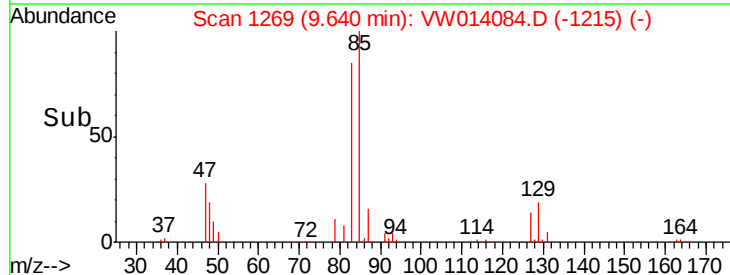
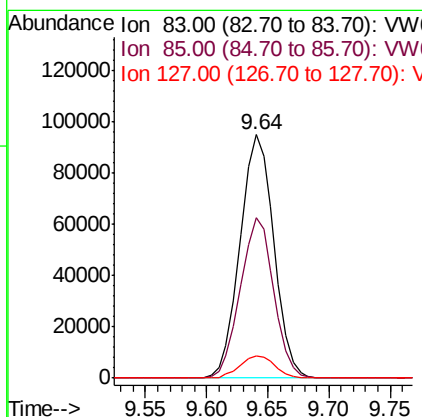
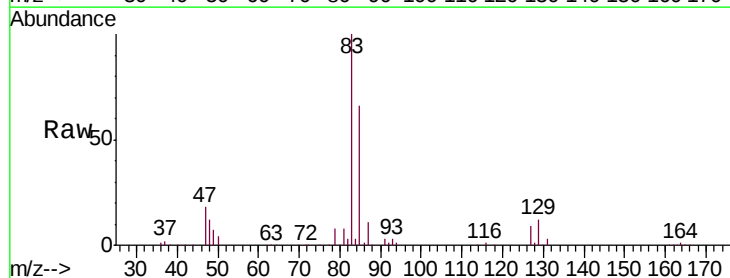
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

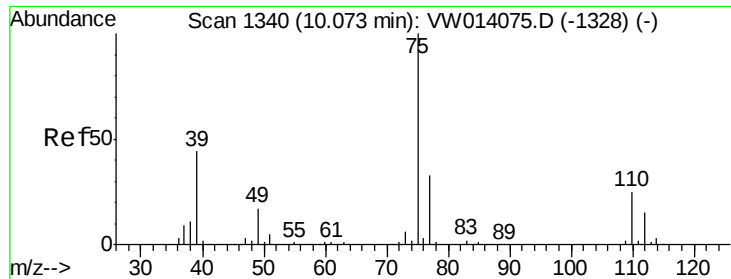
Tgt Ion: 63 Resp: 145947
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.9 5.9



#41
 Bromodichloromethane
 Concen: 28.640 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

Tgt Ion: 83 Resp: 182494
 Ion Ratio Lower Upper
 83 100
 85 65.7 45.1 83.7
 127 8.9 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 27.767 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

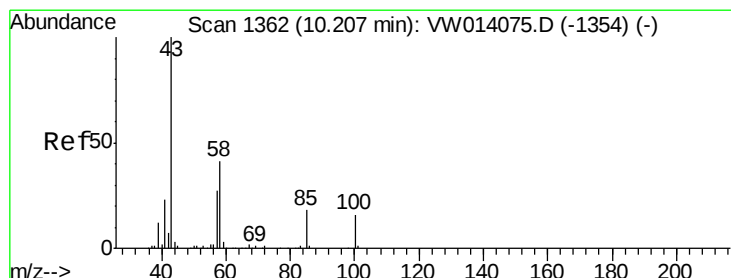
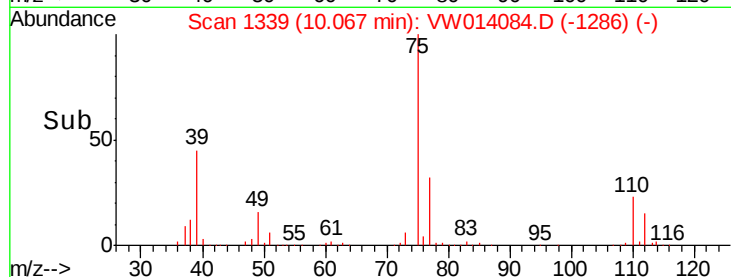
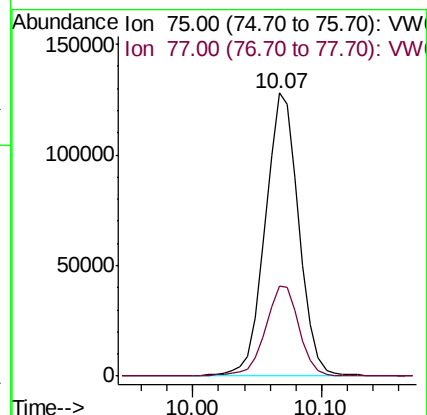
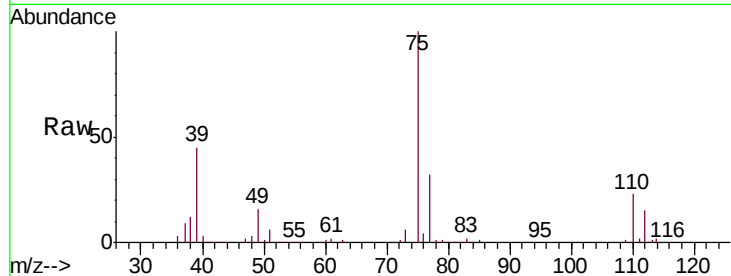
VSTD02514

Tgt Ion: 75 Resp: 230958

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 56.141 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

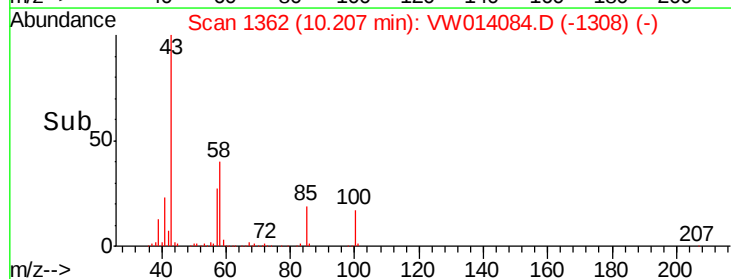
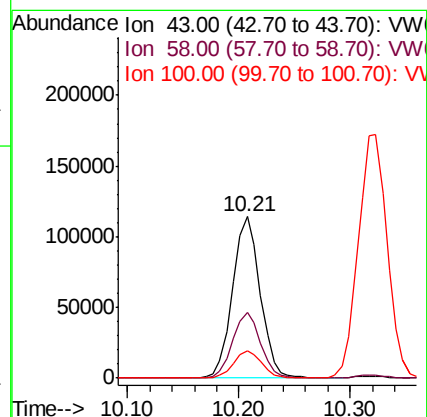
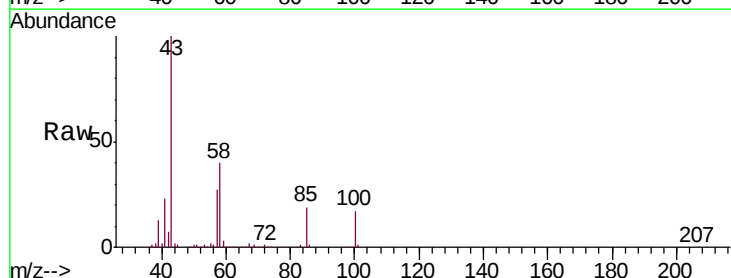
Tgt Ion: 43 Resp: 195372

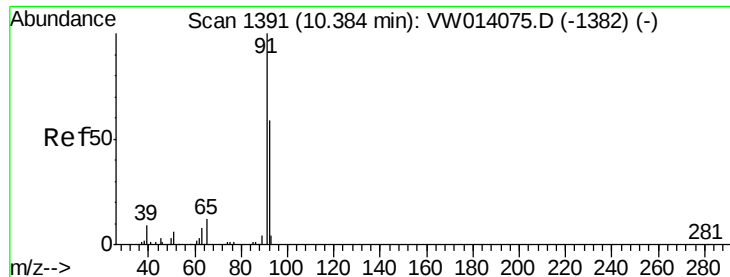
Ion Ratio Lower Upper

43 100

58 41.0 32.6 49.0

100 17.2 13.8 20.8





#44

Toluene

Concen: 26.593 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

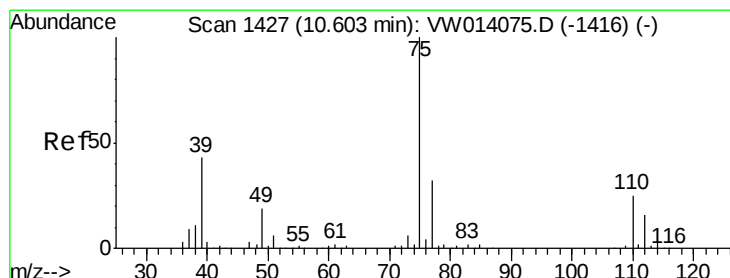
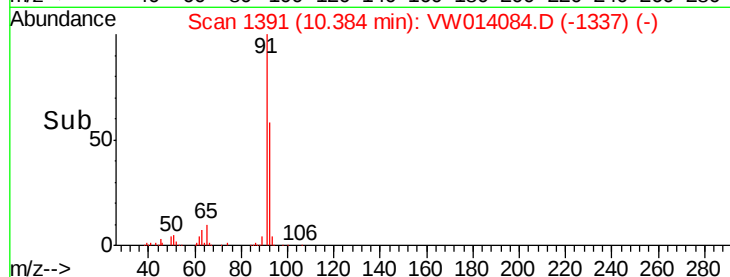
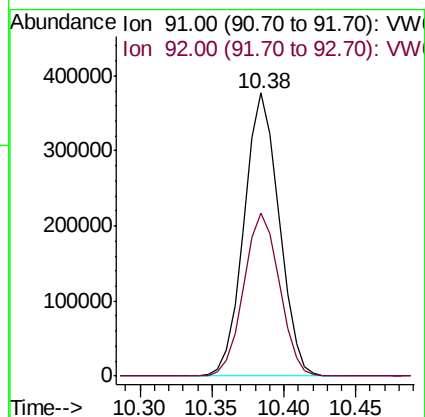
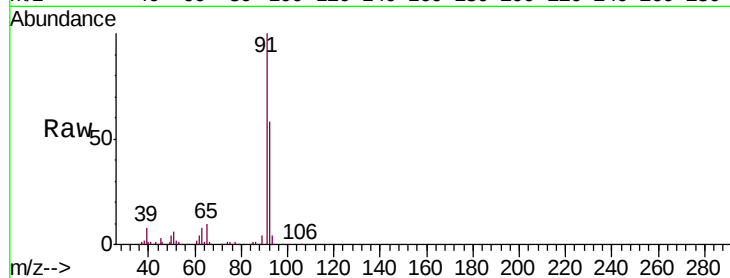
VSTD02514

Tgt Ion: 91 Resp: 634815

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 28.498 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014084.D

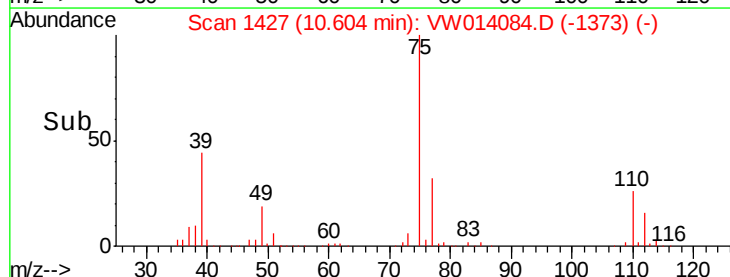
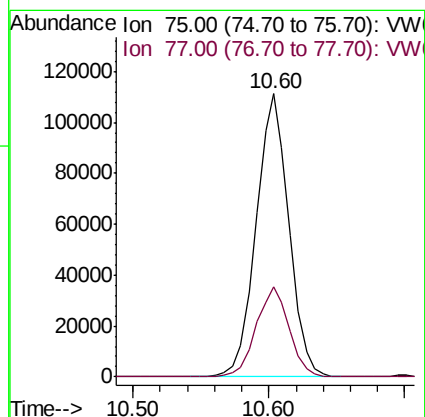
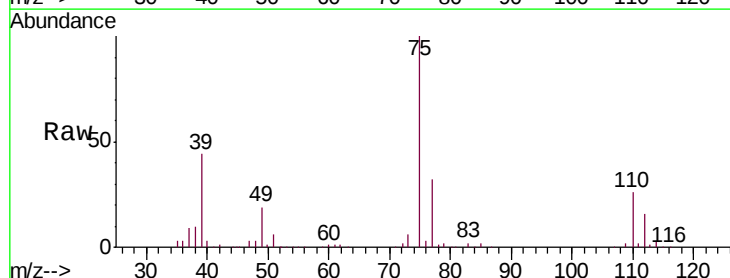
Acq: 19 Nov 2019 15:08

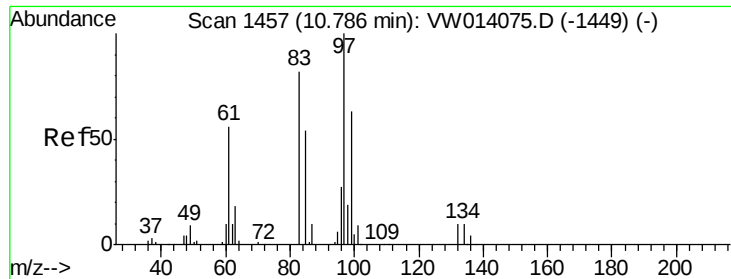
Tgt Ion: 75 Resp: 187446

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6

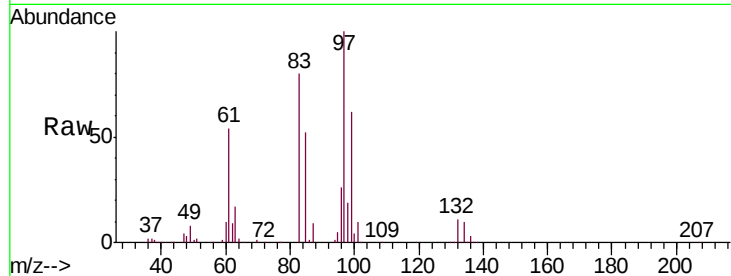




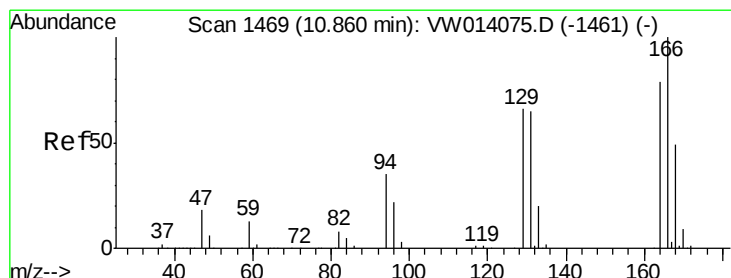
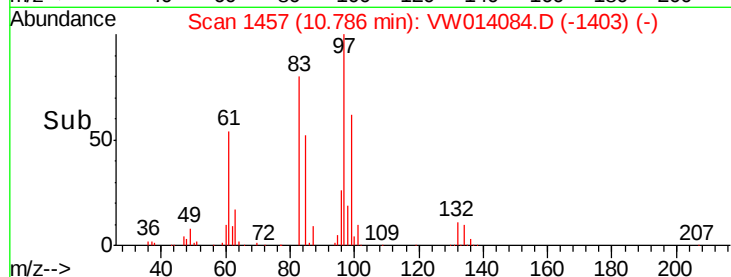
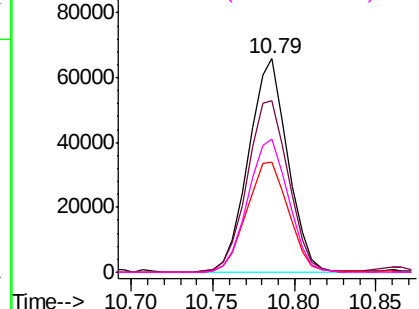
#46
 1,1,2-Trichloroethane
 Concen: 28.474 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tgt Ion: 97 Resp: 110272
 Ion Ratio Lower Upper
 97 100
 83 80.4 58.9 109.5
 85 51.6 38.1 70.9
 99 62.5 46.5 86.3

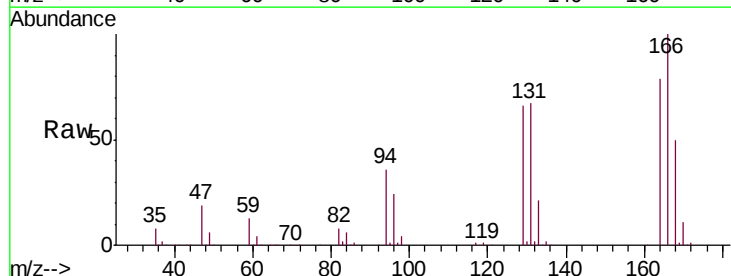


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

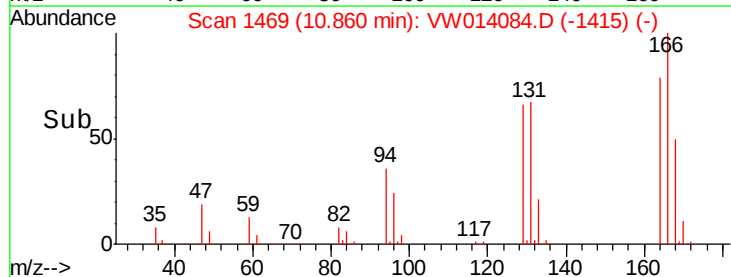
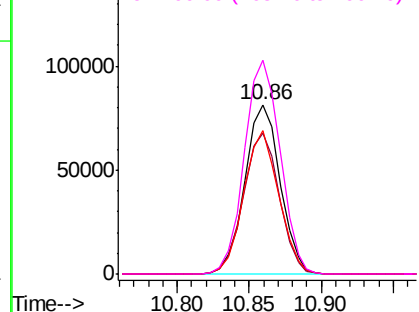


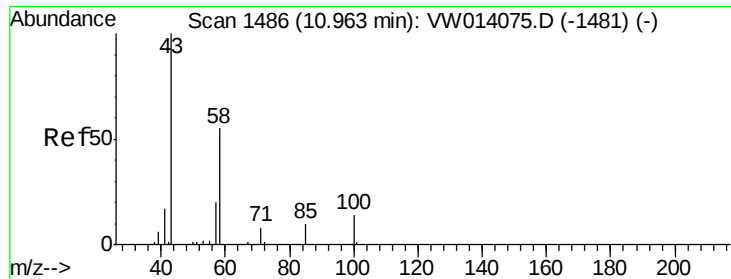
#47
 Tetrachloroethene
 Concen: 26.639 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

Tgt Ion: 164 Resp: 138676
 Ion Ratio Lower Upper
 164 100
 129 83.3 60.6 112.6
 131 84.4 59.1 109.7
 166 126.2 90.8 168.6



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

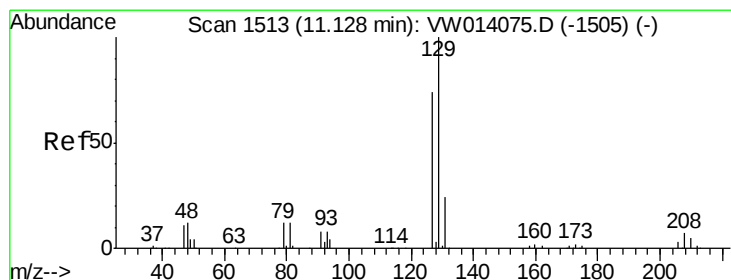
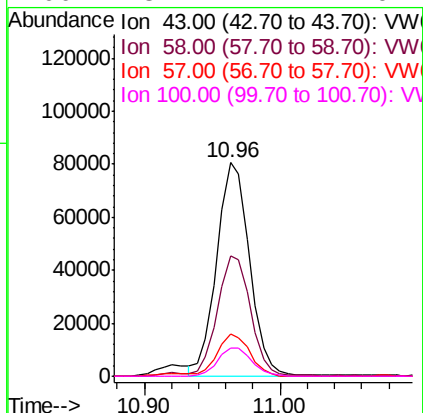
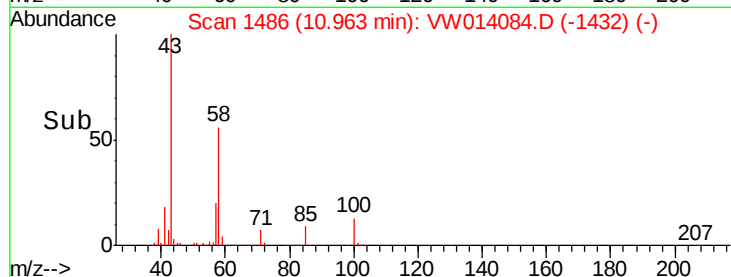
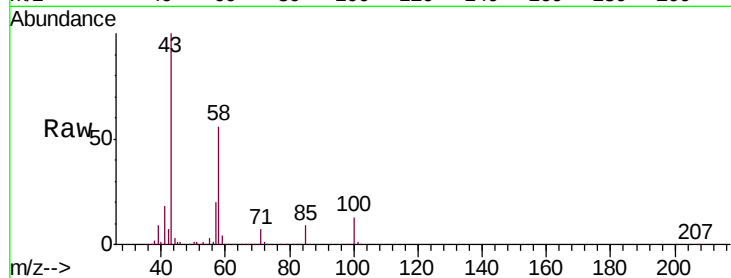




#49
2-Hexanone
Concen: 54.090 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014084.D
Acq: 19 Nov 2019 15:08

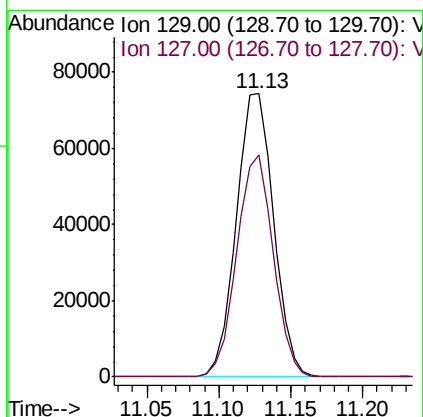
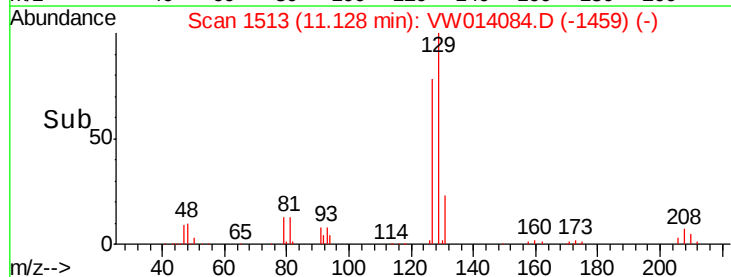
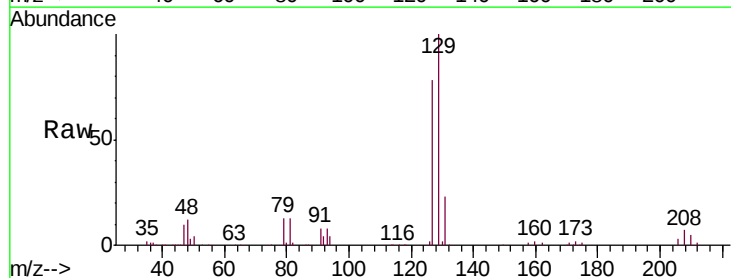
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

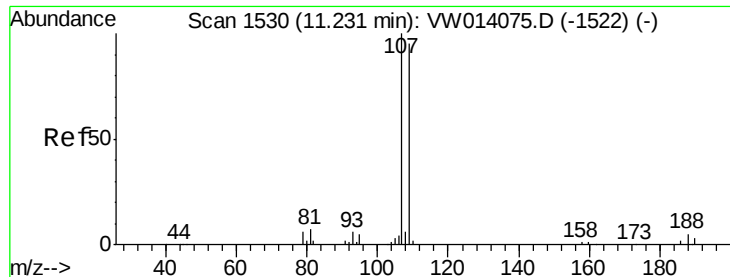
Tgt Ion: 43 Resp: 135708
Ion Ratio Lower Upper
43 100
58 56.7 44.4 66.6
57 19.7 16.5 24.7
100 13.7 11.1 16.7



#50
Dibromochloromethane
Concen: 29.539 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014084.D
Acq: 19 Nov 2019 15:08

Tgt Ion: 129 Resp: 134460
Ion Ratio Lower Upper
129 100
127 78.4 54.9 102.1





#51

1,2-Dibromoethane

Concen: 28.393 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

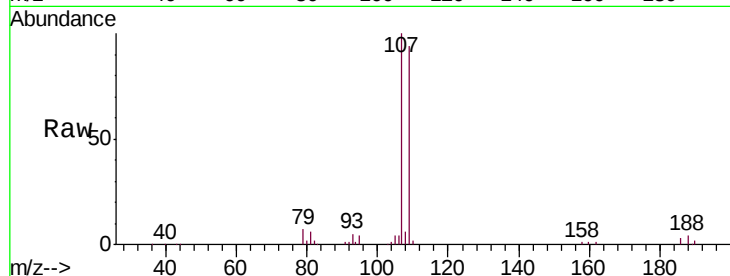
Tgt Ion:107 Resp: 106688

Ion Ratio Lower Upper

107 100

109 93.9 64.6 120.0

188 4.1 3.9 5.9

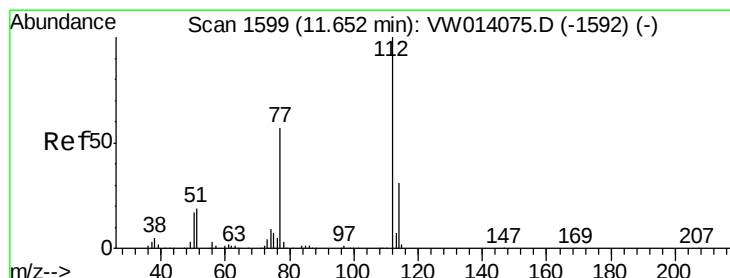
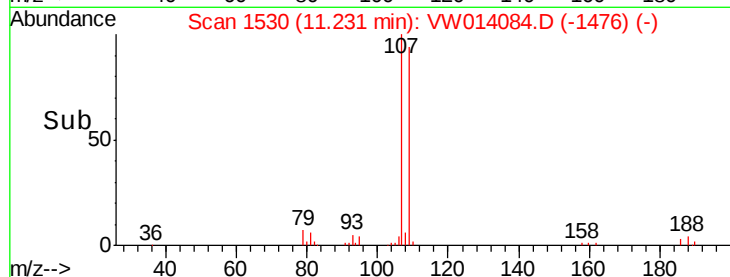
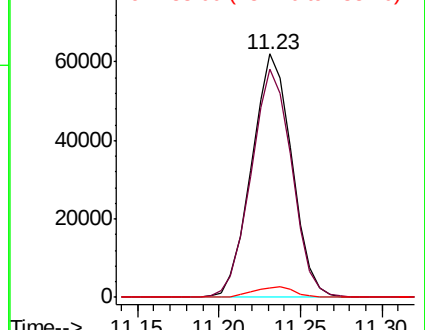


Abundance

Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 26.877 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

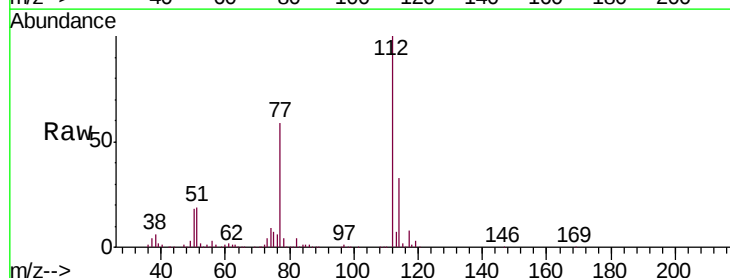
Tgt Ion:112 Resp: 402230

Ion Ratio Lower Upper

112 100

77 58.9 42.2 63.4

114 32.6 22.5 41.9

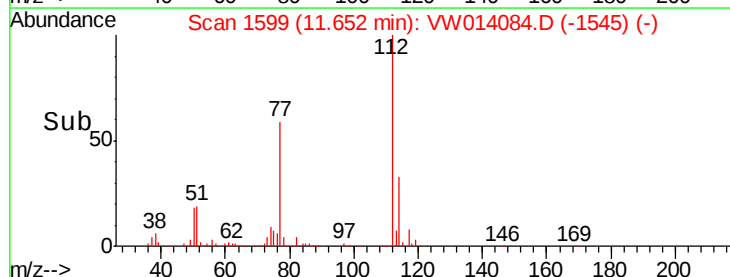
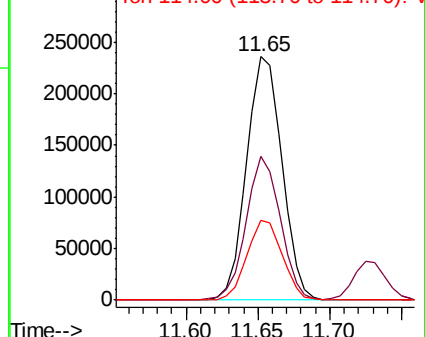


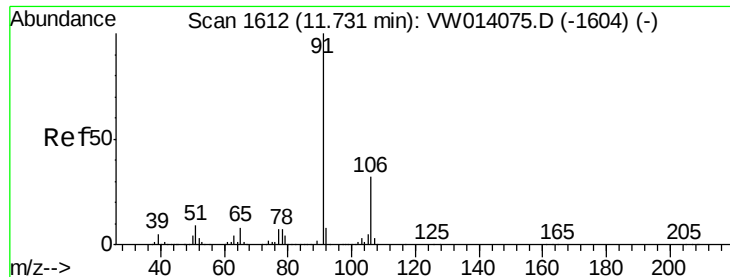
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.940 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

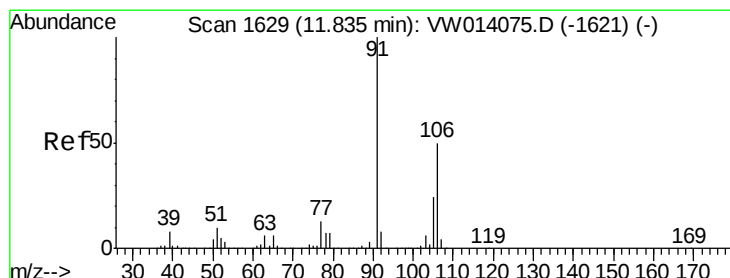
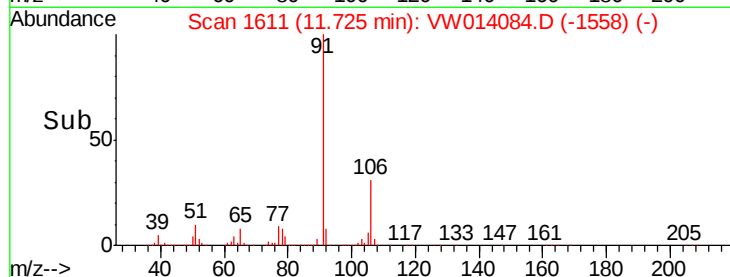
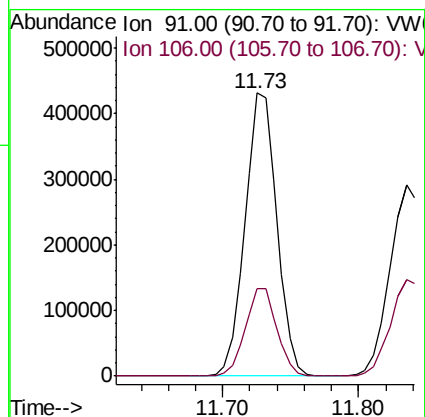
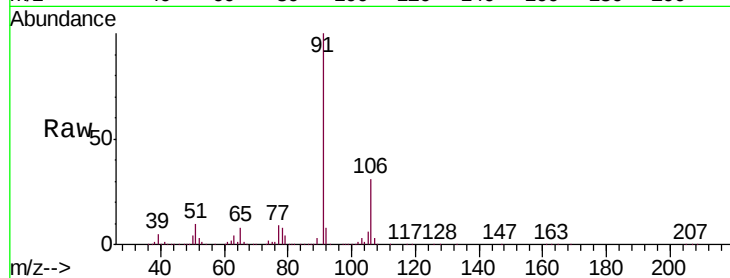
VSTD02514

Tgt Ion: 91 Resp: 705713

Ion Ratio Lower Upper

91 100

106 31.1 22.3 41.5



#54

m,p-Xylene

Concen: 27.140 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014084.D

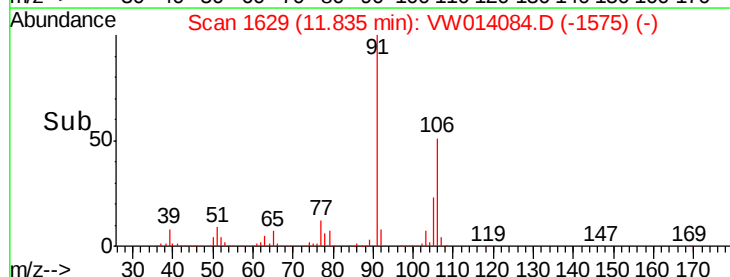
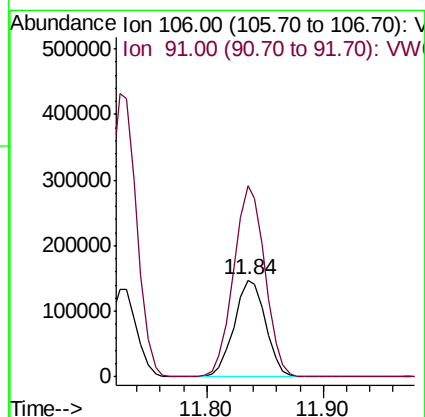
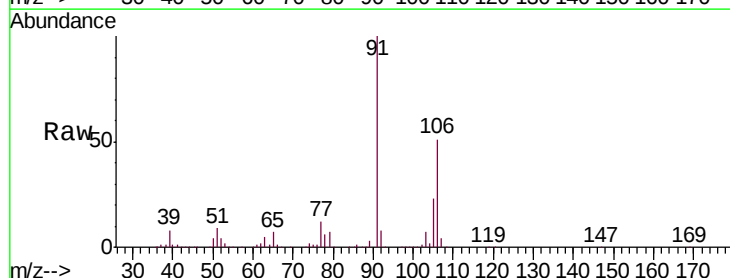
Acq: 19 Nov 2019 15:08

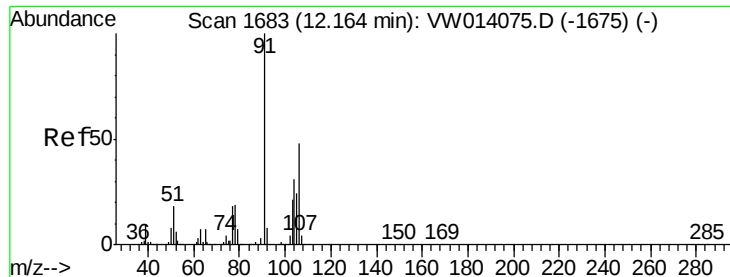
Tgt Ion: 106 Resp: 276288

Ion Ratio Lower Upper

106 100

91 197.2 138.7 257.5





#55

o-xylene

Concen: 27.509 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

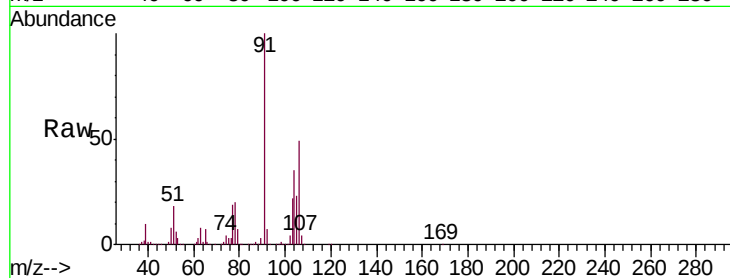
VSTD02514

Tgt Ion:106 Resp: 262248

Ion Ratio Lower Upper

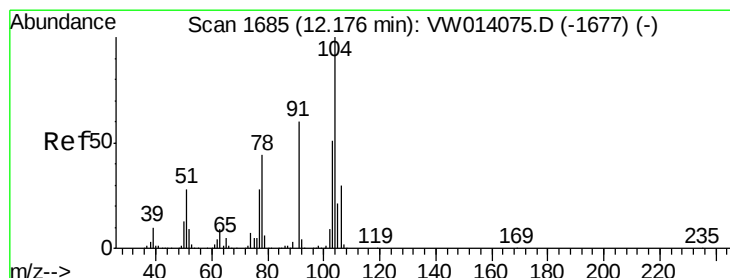
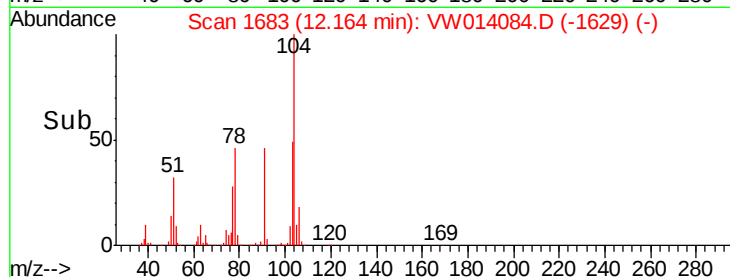
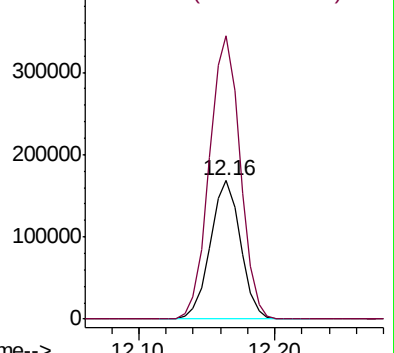
106 100

91 204.4 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.225 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014084.D

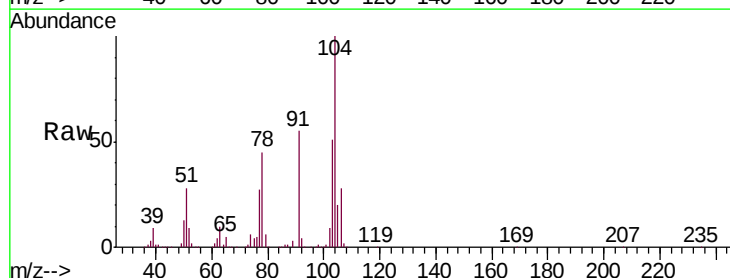
Acq: 19 Nov 2019 15:08

Tgt Ion:104 Resp: 454530

Ion Ratio Lower Upper

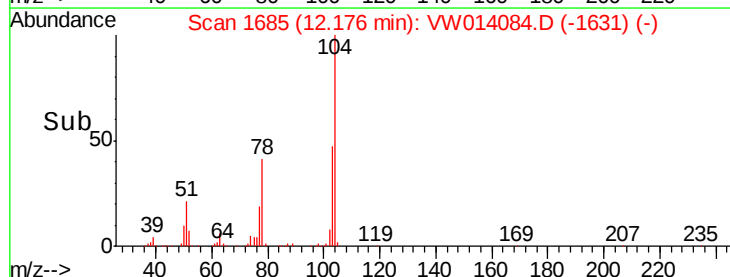
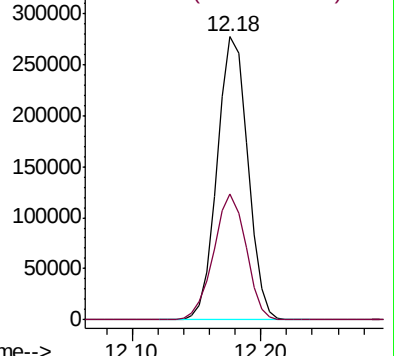
104 100

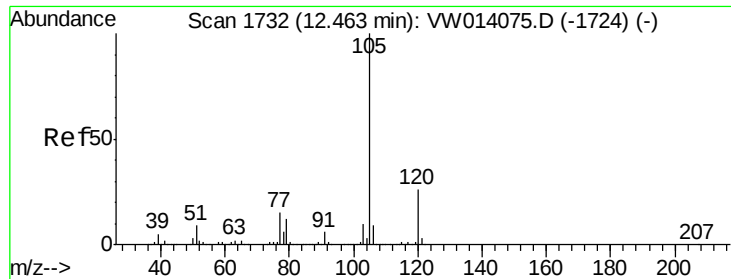
78 44.6 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.989 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

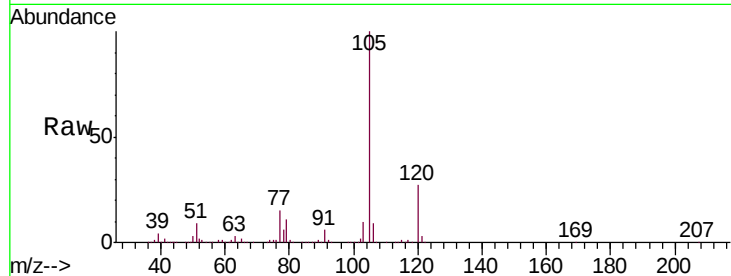
Tgt Ion: 105 Resp: 707396

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

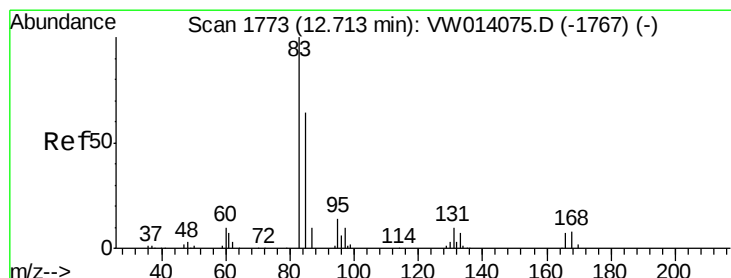
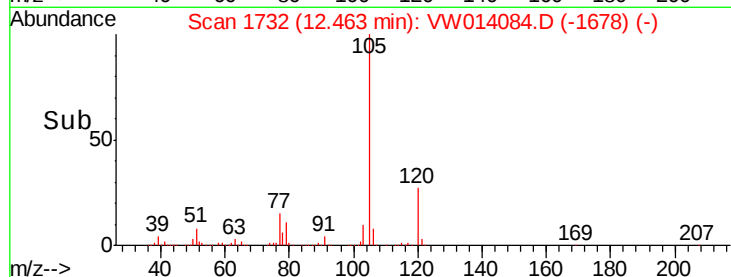
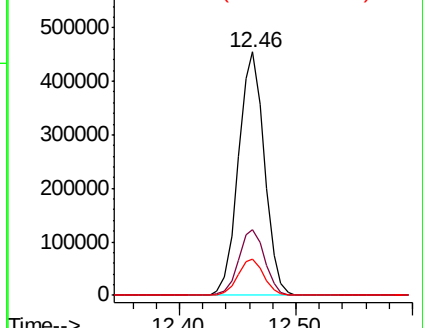
77 14.8 11.6 17.4



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: 30.193 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

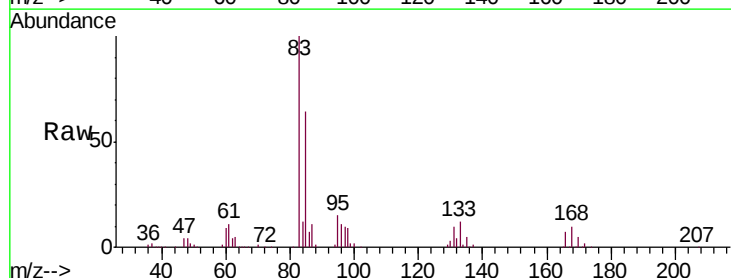
Tgt Ion: 83 Resp: 136516

Ion Ratio Lower Upper

83 100

85 63.7 43.7 81.1

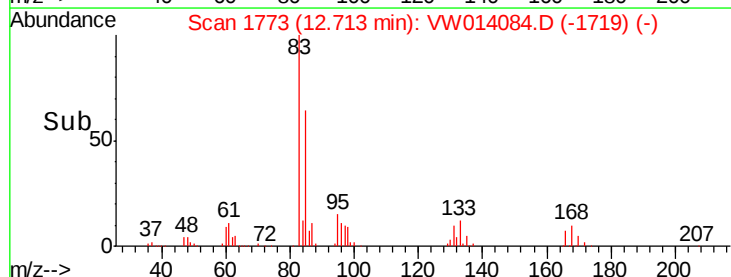
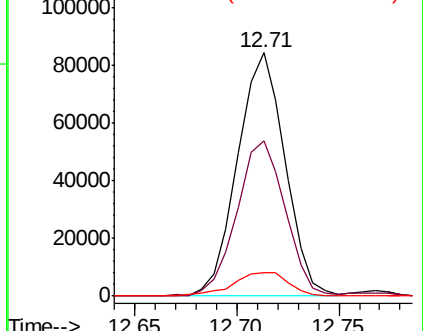
131 9.7 8.2 12.2

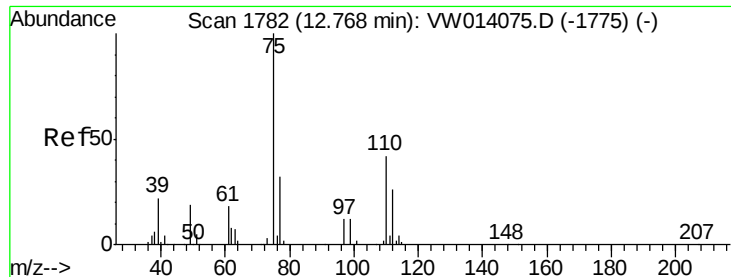


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.441 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

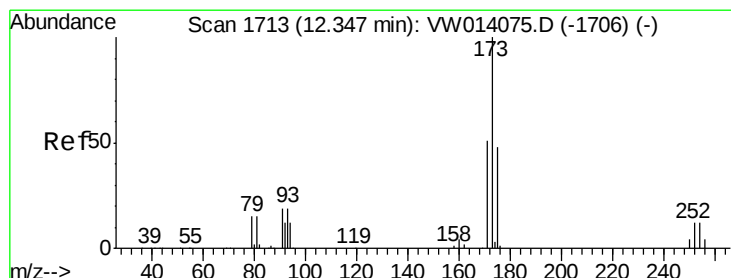
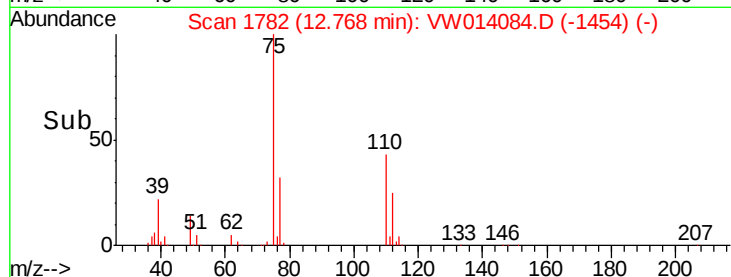
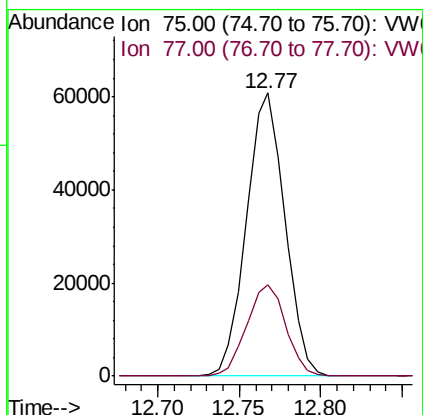
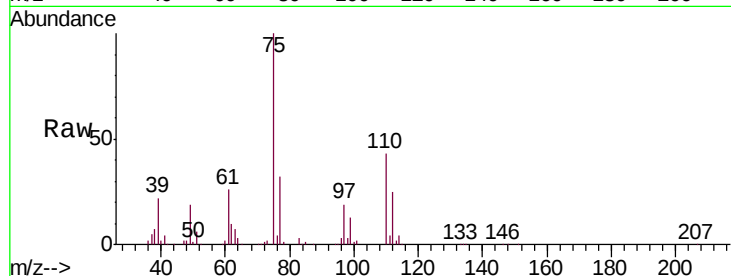
VSTD02514

Tgt Ion: 75 Resp: 100114

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#62

Bromoform

Concen: 28.220 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

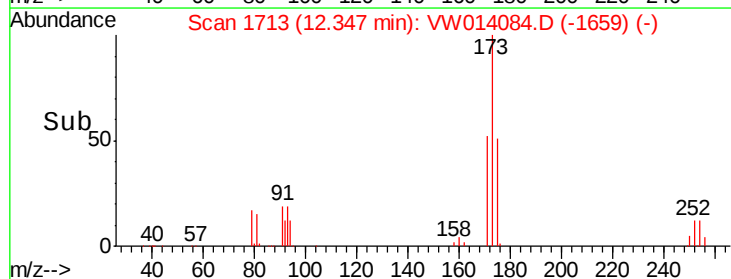
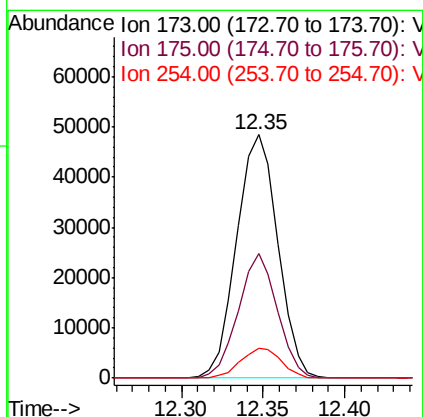
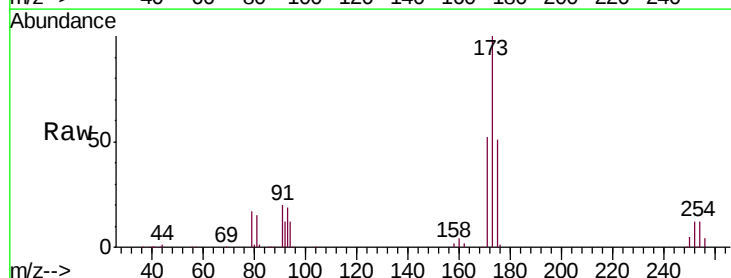
Tgt Ion: 173 Resp: 85406

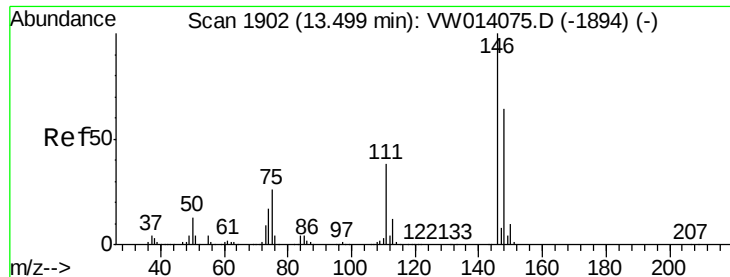
Ion Ratio Lower Upper

173 100

175 48.3 38.8 58.2

254 12.3 9.4 14.0

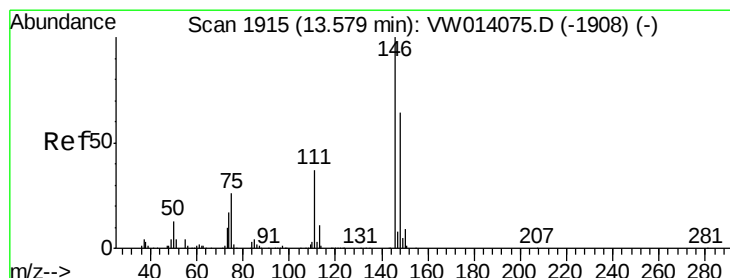
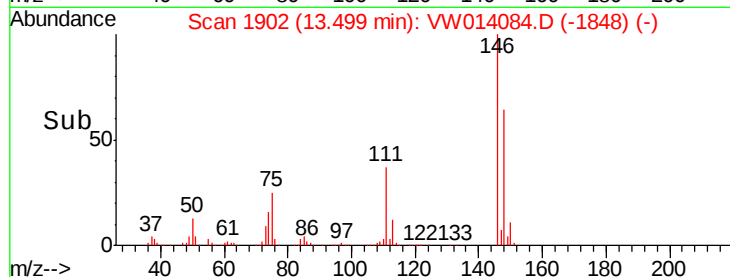
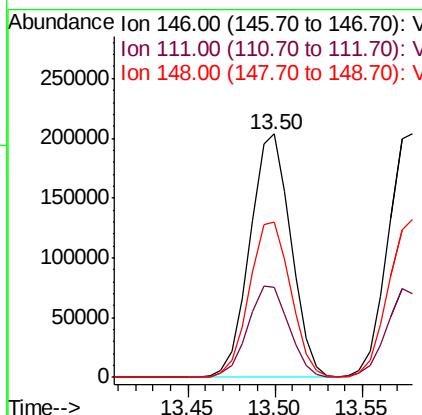
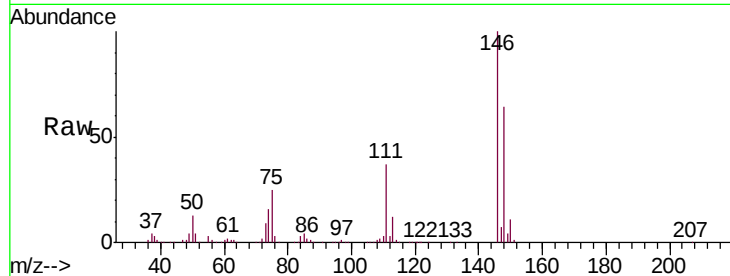




#63
 1,3-Dichlorobenzene
 Concen: 25.644 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

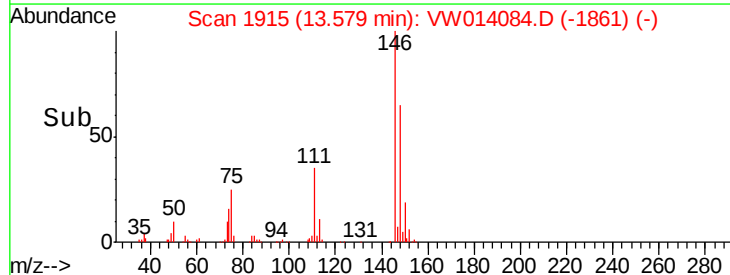
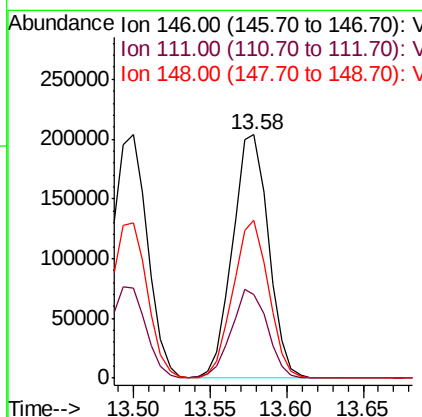
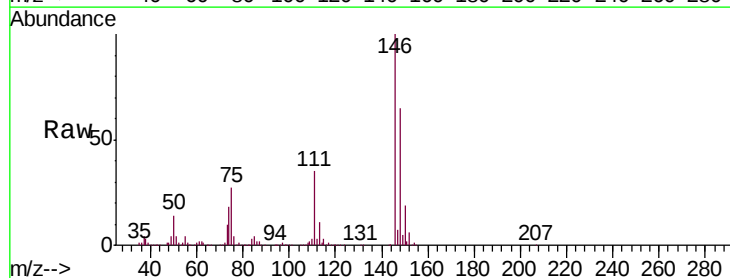
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

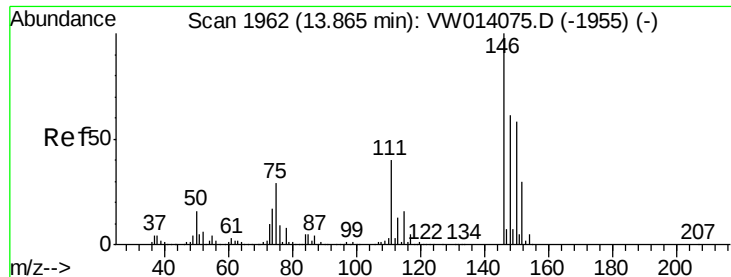
Tgt Ion:146 Resp: 332524
 Ion Ratio Lower Upper
 146 100
 111 36.8 26.0 48.2
 148 63.8 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.982 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

Tgt Ion:146 Resp: 332870
 Ion Ratio Lower Upper
 146 100
 111 34.5 24.9 46.3
 148 64.9 43.9 81.5

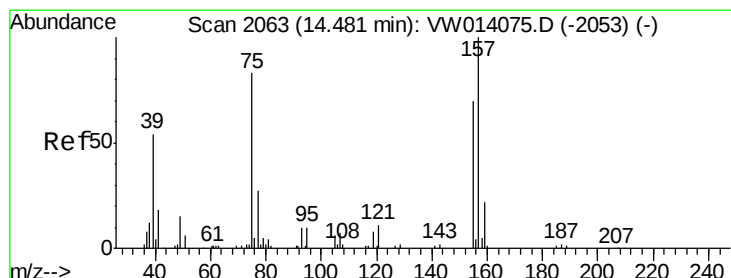
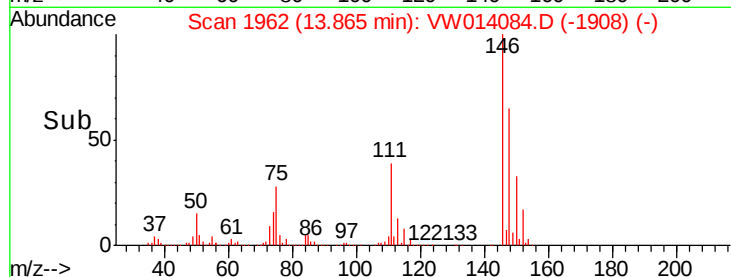
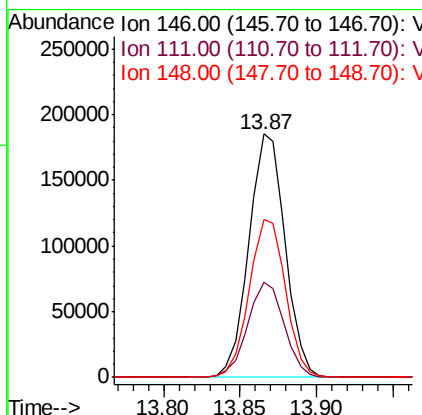
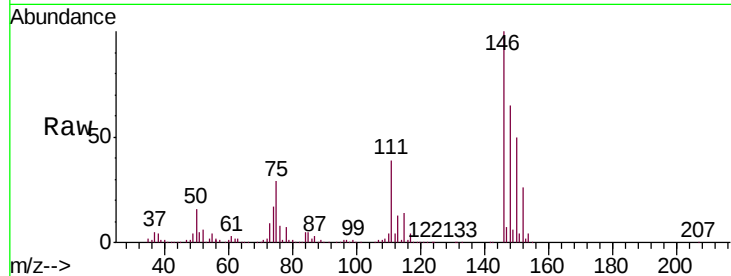




#65
 1,2-Dichlorobenzene
 Concen: 26.619 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

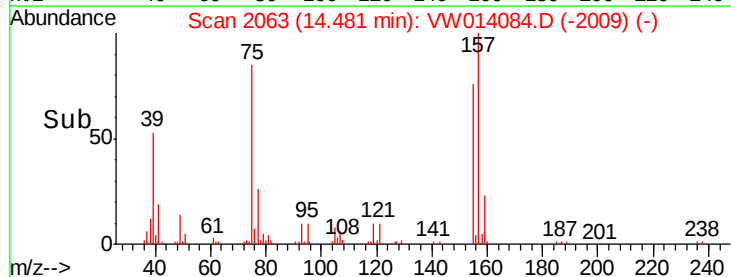
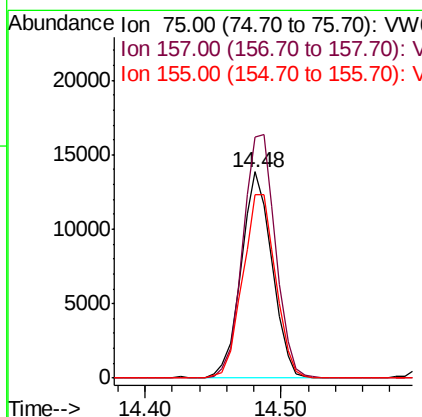
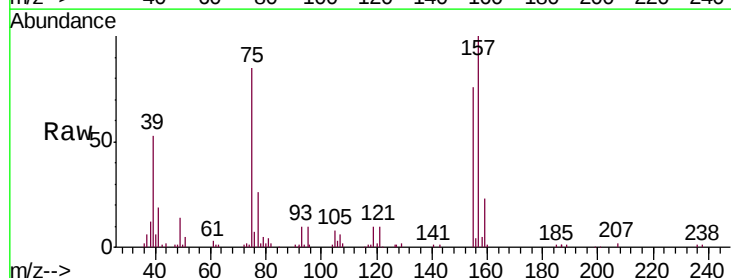
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

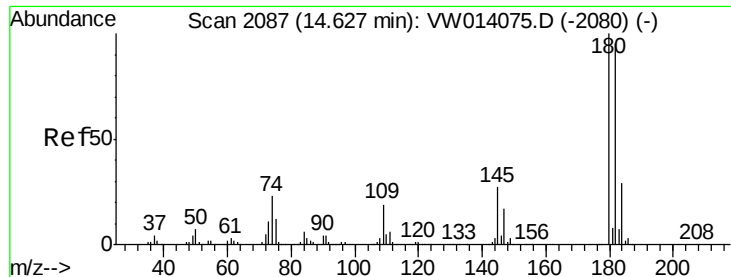
Tgt Ion: 146 Resp: 305654
 Ion Ratio Lower Upper
 146 100
 111 39.0 30.5 45.7
 148 64.8 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.057 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

Tgt Ion: 75 Resp: 21940
 Ion Ratio Lower Upper
 75 100
 157 117.1 96.9 145.3
 155 89.3 82.9 124.3

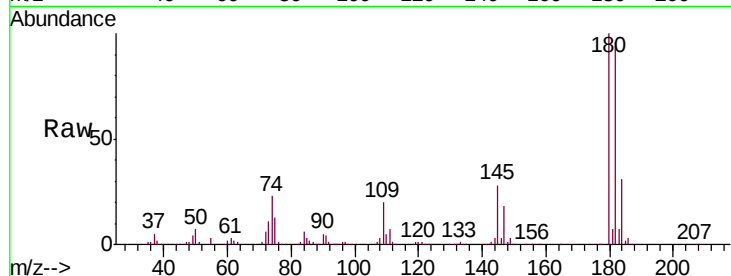




#67
 1,3,5-Trichlorobenzene
 Concen: 26.244 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tgt Ion:	180	Resp:	259350
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.2	114.2
184	30.7	24.3	36.5
145	27.4	21.9	32.9



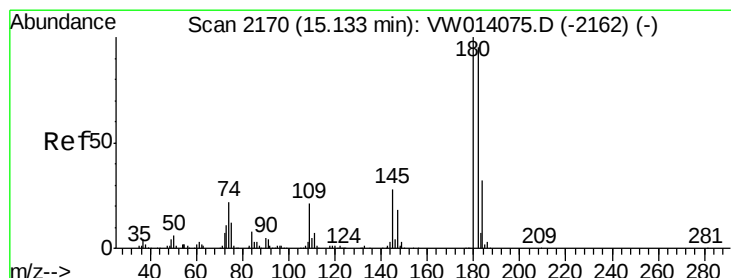
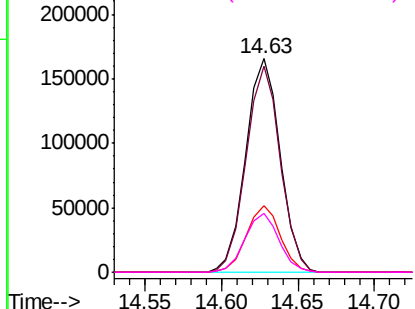
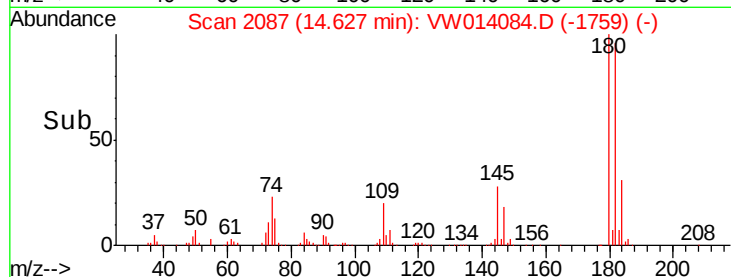
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

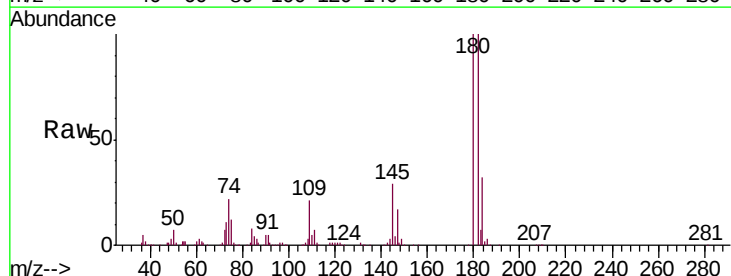
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.535 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014084.D
 Acq: 19 Nov 2019 15:08

Tgt Ion:	180	Resp:	206181
Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.8	113.8
145	28.4	22.4	33.6

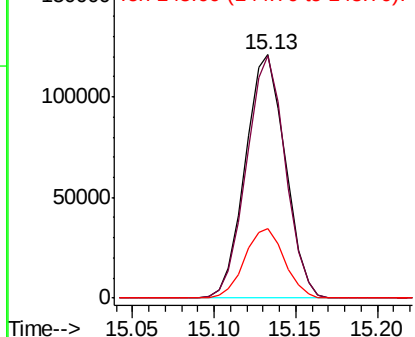
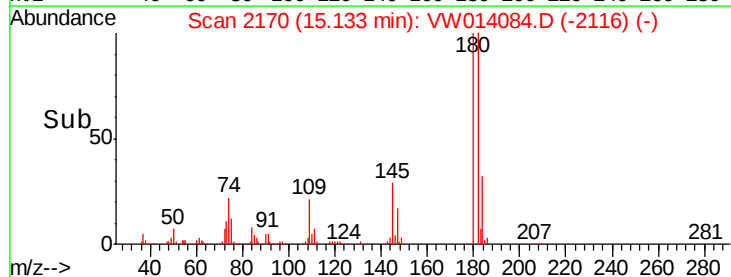


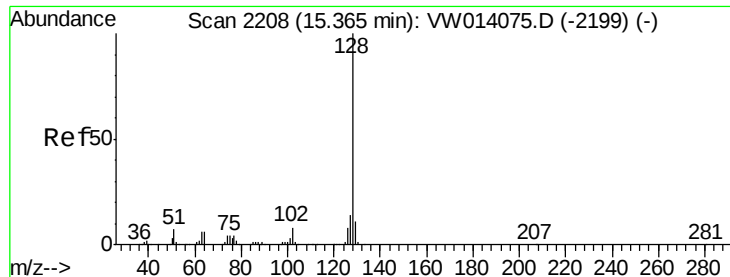
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.116 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

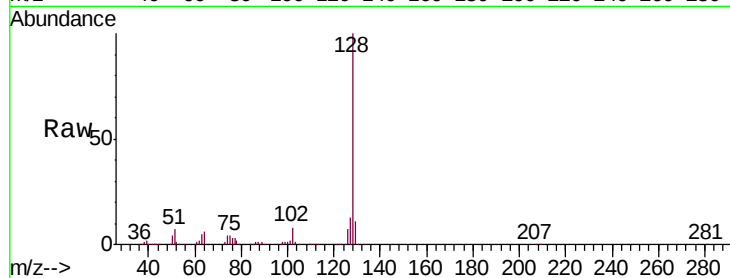
Tgt Ion:128 Resp: 374322

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

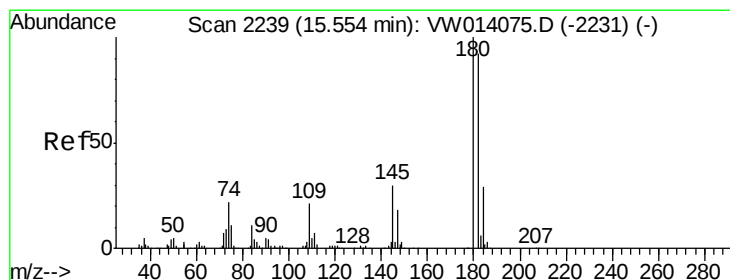
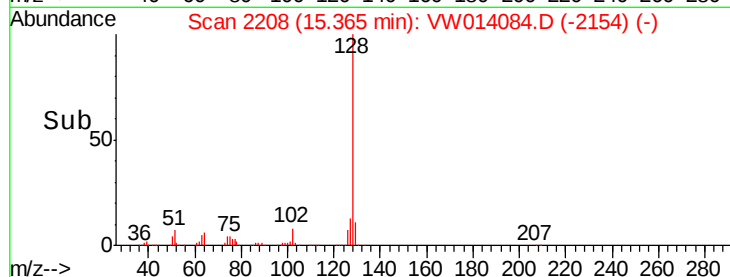
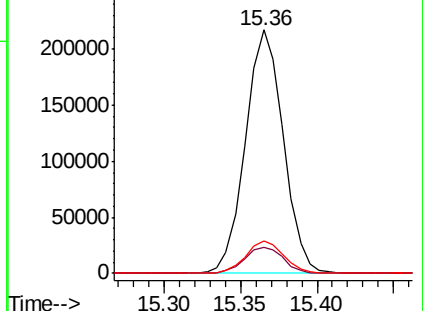
127 13.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.136 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014084.D

Acq: 19 Nov 2019 15:08

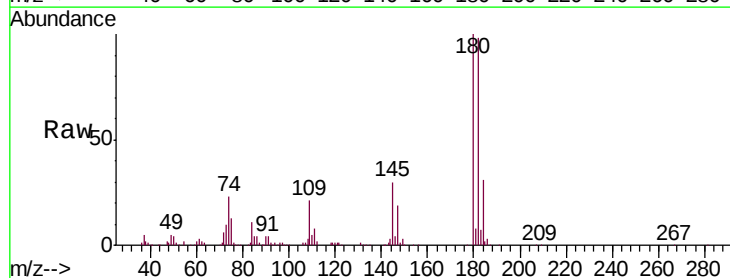
Tgt Ion:180 Resp: 186083

Ion Ratio Lower Upper

180 100

182 96.8 75.8 113.6

145 29.9 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

