

Data File : VW013532.D
Acq On : 11 Oct 2019 10:31
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Quant Time: Oct 11 22:30:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 11 07:46:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	461669	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	408694	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	205533	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	140400	26.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.32%
7) Chloroethane-d5	2.89	69	105324	25.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.84%
10) 1,1-Dichloroethene-d2	4.03	63	290338	26.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.88%
20) 2-Butanone-d5	7.07	46	80694	50.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.40%
24) Chloroform-d	7.65	84	266977	26.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.48%
26) 1,2-Dichloroethane-d4	8.31	65	136625	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.20%
29) Benzene-d6	8.27	84	593354	27.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.40%
33) 1,2-Dichloropropane-d6	9.27	67	170826	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.20%
37) Toluene-d8	10.32	98	552309	26.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.32%
38) trans-1,3-Dichloropropene-	10.58	79	73872	25.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.12%
39) 2-Hexanone-d5	10.93	63	63230	48.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132613	25.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	192916	26.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	62472	24.833 ug/L	96
3) Chloromethane	2.21	50	105092	23.776 ug/L	99
5) Vinyl chloride	2.36	62	158989	25.424 ug/L	100
6) Bromomethane	2.78	94	96772	25.264 ug/L	99
8) Chloroethane	2.92	64	89100	25.402 ug/L	98
9) Trichlorofluoromethane	3.26	101	80719	24.760 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	145803	25.200 ug/L	100
12) 1,1-Dichloroethene	4.04	96	148374	25.602 ug/L	94
13) Acetone	4.13	43	78908	43.137 ug/L	99
14) Carbon disulfide	4.39	76	444781	25.149 ug/L	99
15) Methyl Acetate	4.67	43	71276	24.979 ug/L	100
16) Methylene chloride	4.92	84	158391	22.651 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	235507	25.288 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	155446	25.136 ug/L	97
19) 1,1-Dichloroethane	6.22	63	265619	25.582 ug/L	100
21) 2-Butanone	7.17	43	98882	44.187 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	169423	25.615 ug/L	97

Data File : VW013532.D
Acq On : 11 Oct 2019 10:31
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Quant Time: Oct 11 22:30:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 11 07:46:37 2019
Response via : Initial Calibration

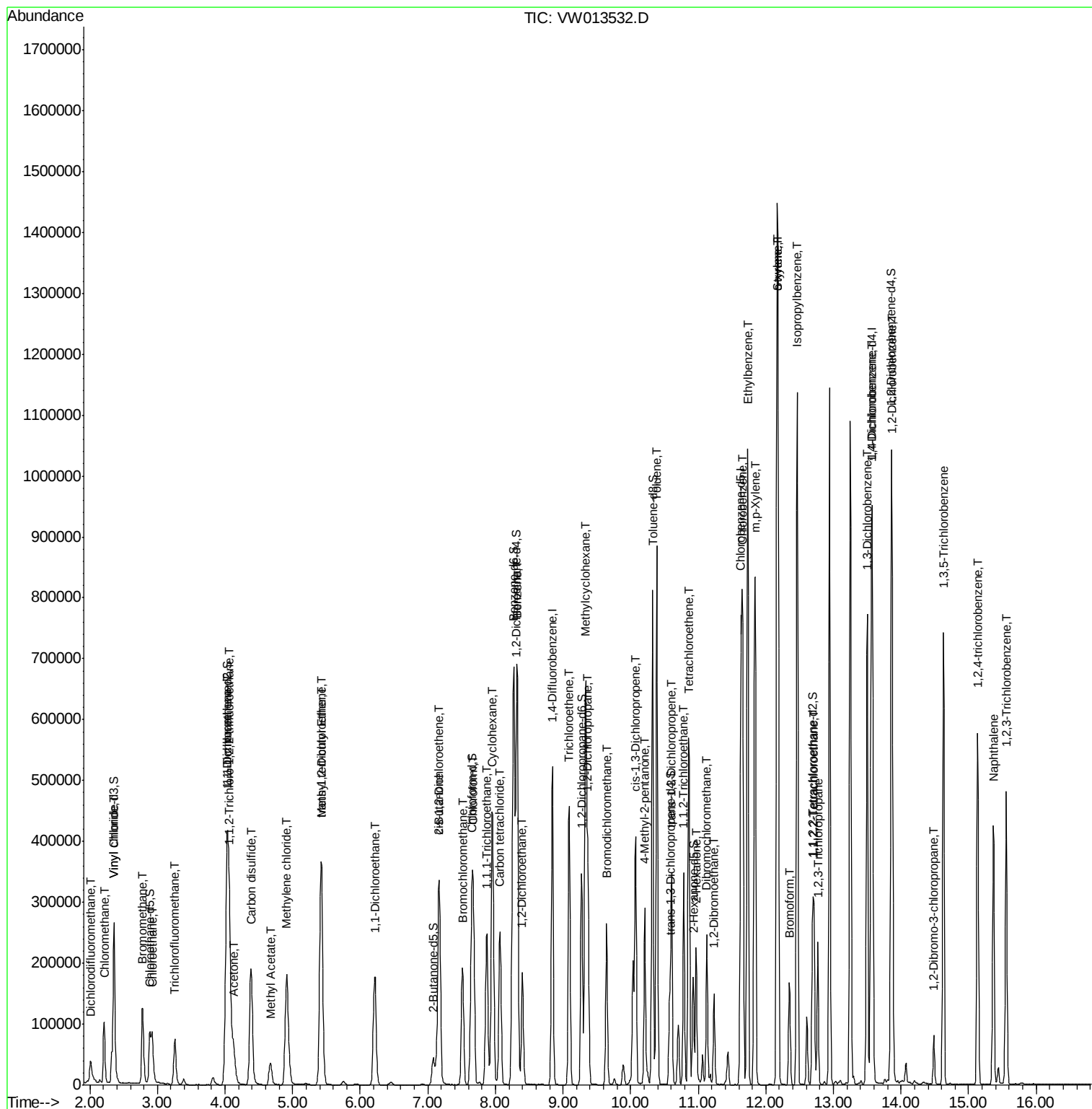
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	74399	25.121	ug/L	96
25) Chloroform	7.67	83	261776	25.557	ug/L	99
27) 1,2-Dichloroethane	8.40	62	165439	25.537	ug/L	100
30) Cyclohexane	7.96	56	268620	24.997	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	211095	25.644	ug/L	99
32) Carbon tetrachloride	8.07	117	200277	25.365	ug/L	99
34) Benzene	8.32	78	622259	25.202	ug/L	100
35) Trichloroethene	9.09	95	162288	25.199	ug/L	99
36) Methylcyclohexane	9.34	83	289238	24.696	ug/L	99
40) 1,2-Dichloropropane	9.37	63	149519	25.138	ug/L	99
41) Bromodichloromethane	9.65	83	186056	25.468	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	242383	25.402	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	191162	46.063	ug/L	98
44) Toluene	10.39	91	676357	25.277	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	191117	25.365	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	112219	24.854	ug/L	97
47) Tetrachloroethene	10.86	164	146208	24.909	ug/L	97
49) 2-Hexanone	10.97	43	142174	47.137	ug/L	99
50) Dibromochloromethane	11.13	129	135591	25.506	ug/L	98
51) 1,2-Dibromoethane	11.23	107	107967	24.343	ug/L	99
52) Chlorobenzene	11.66	112	426513	25.115	ug/L	99
53) Ethylbenzene	11.73	91	747124	25.225	ug/L	99
54) m,p-Xylene	11.84	106	291808	25.255	ug/L	97
55) o-xylene	12.16	106	270586	25.088	ug/L	100
56) Styrene	12.18	104	475897	25.909	ug/L	99
57) Isopropylbenzene	12.46	105	745753	25.489	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	131396	24.632	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	98209	24.656	ug/L	99
62) Bromoform	12.35	173	82859	25.065	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	340894	24.751	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	340068	24.805	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	307628	24.842	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	20210	23.640	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	253619	24.398	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	206367	23.952	ug/L	98
69) Naphthalene	15.36	128	376053	23.963	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	183021	23.855	ug/L	99

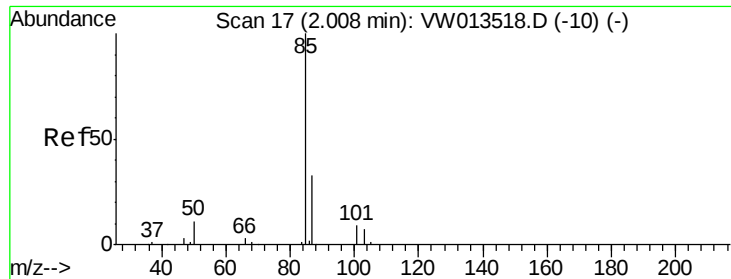
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW013532.D
Acq On : 11 Oct 2019 10:31
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Quant Time: Oct 11 22:30:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 11 07:46:37 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.833 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

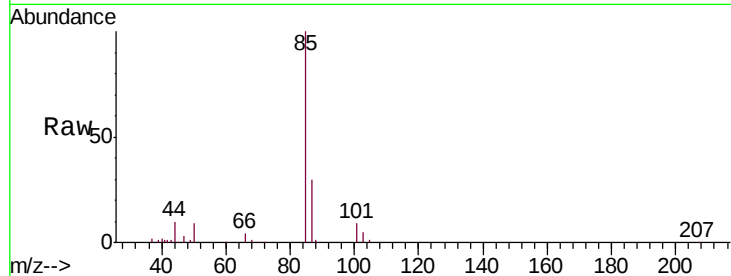
VSTD02511

Tgt Ion: 85 Resp: 62472

Ion Ratio Lower Upper

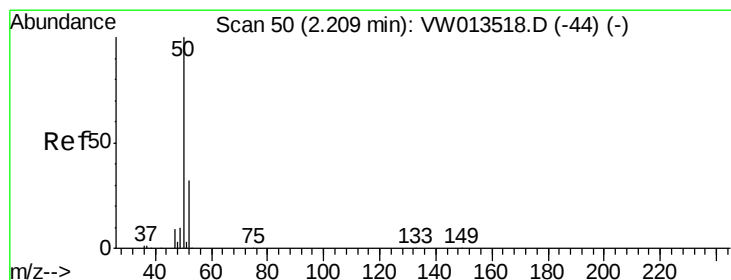
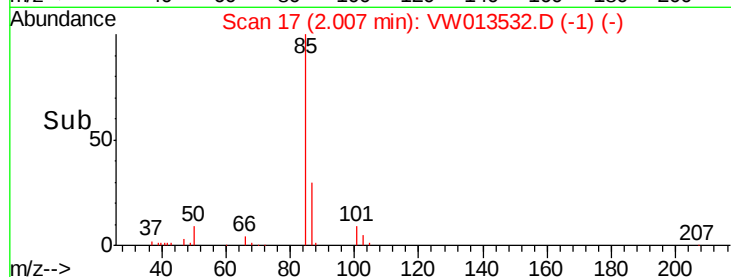
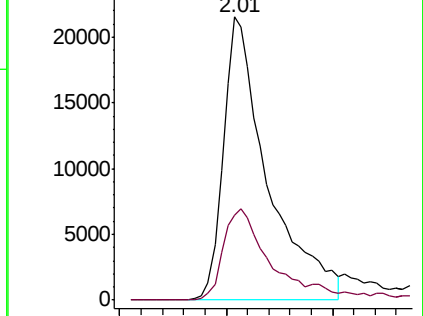
85 100

87 31.4 20.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.776 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013532.D

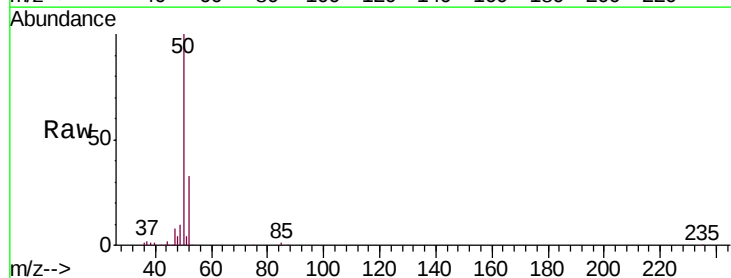
Acq: 11 Oct 2019 10:31

Tgt Ion: 50 Resp: 105092

Ion Ratio Lower Upper

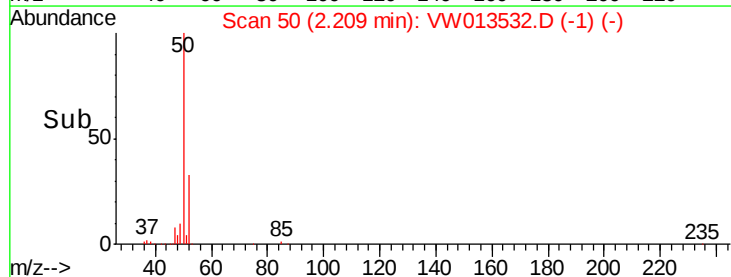
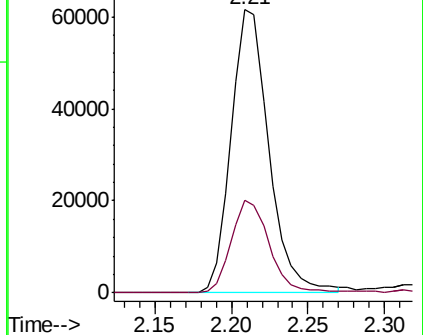
50 100

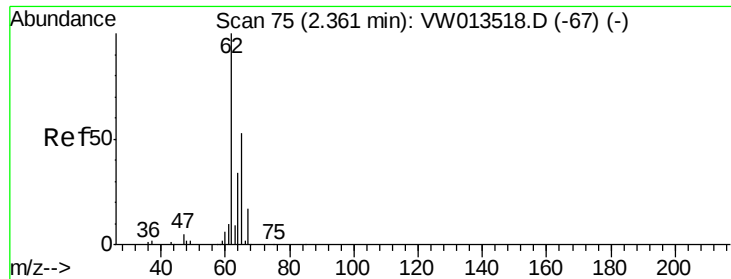
52 32.7 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.424 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

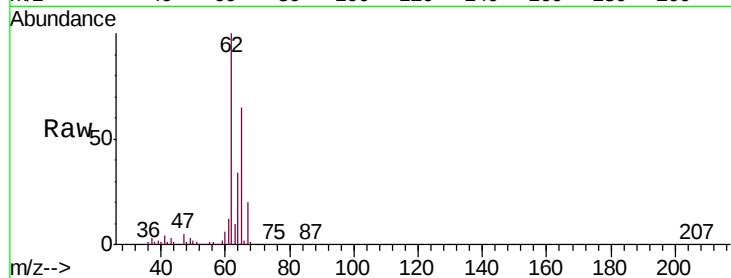
VSTD02511

Tgt Ion: 62 Resp: 158989

Ion Ratio Lower Upper

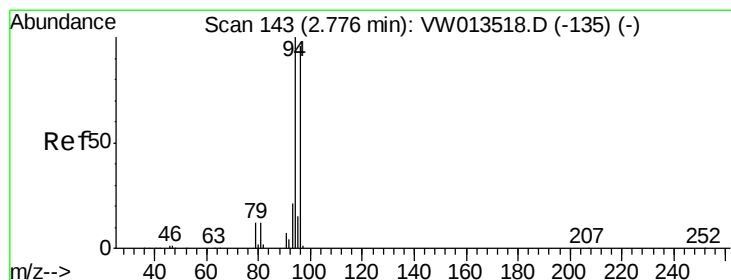
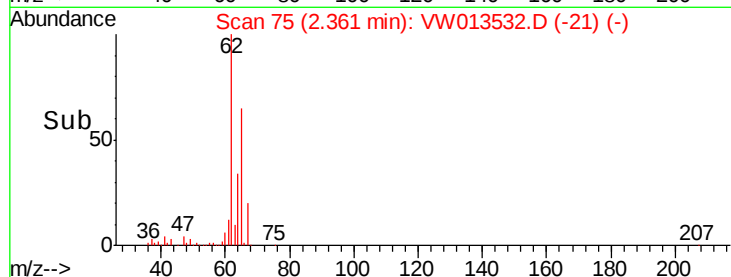
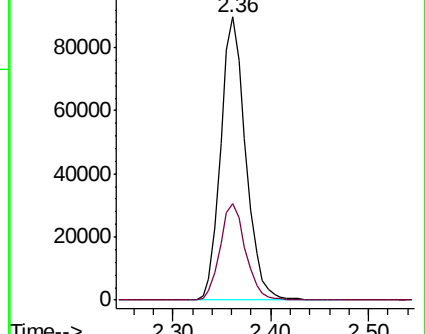
62 100

64 33.9 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 25.264 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013532.D

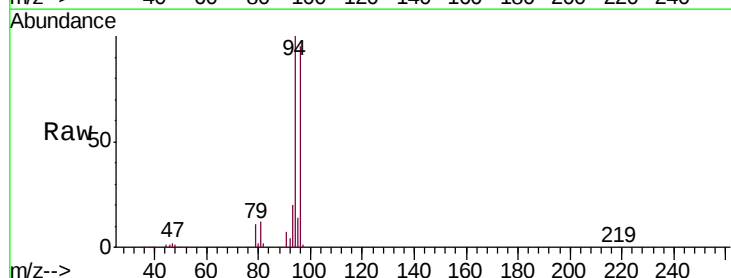
Acq: 11 Oct 2019 10:31

Tgt Ion: 94 Resp: 96772

Ion Ratio Lower Upper

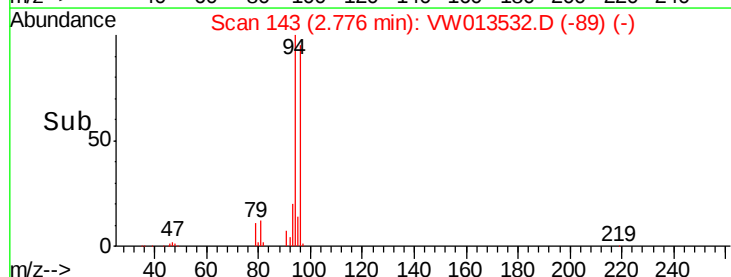
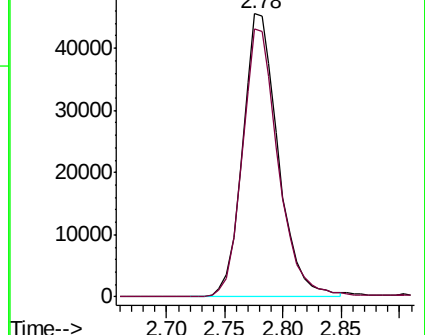
94 100

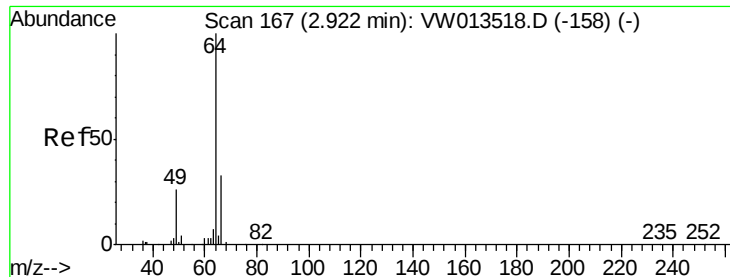
96 95.7 9.5 179.9



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 25.402 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

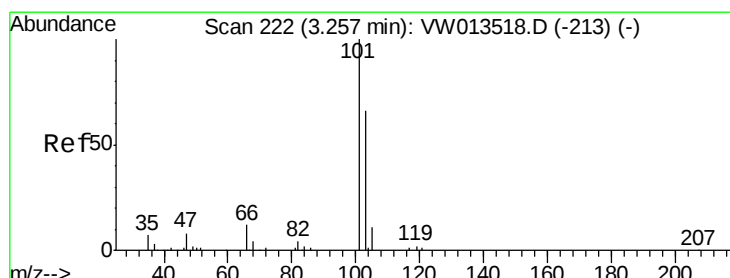
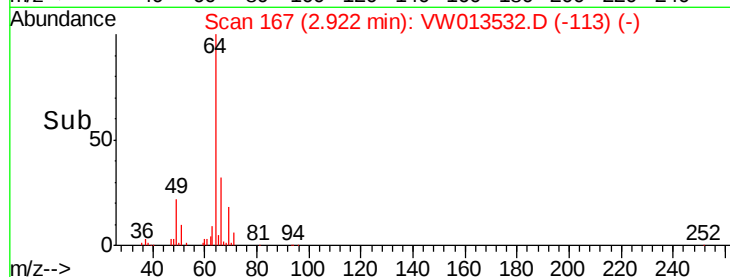
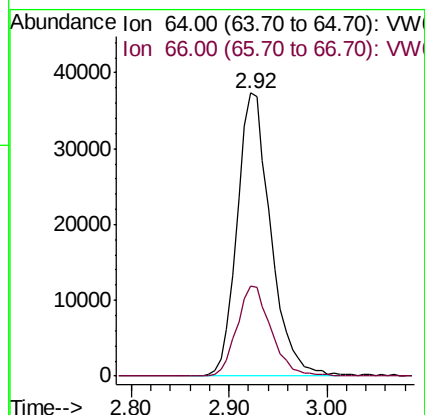
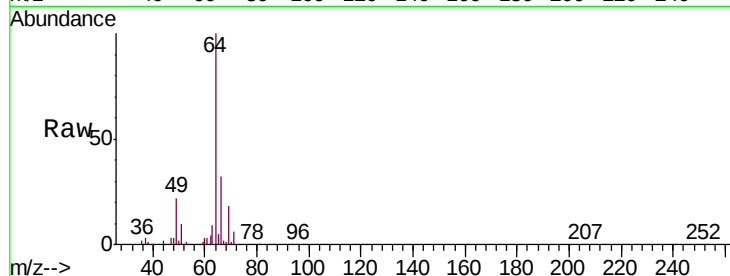
VSTD02511

Tgt Ion: 64 Resp: 89100

Ion Ratio Lower Upper

64 100

66 31.9 23.2 43.0



#9

Trichlorofluoromethane

Concen: 24.760 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013532.D

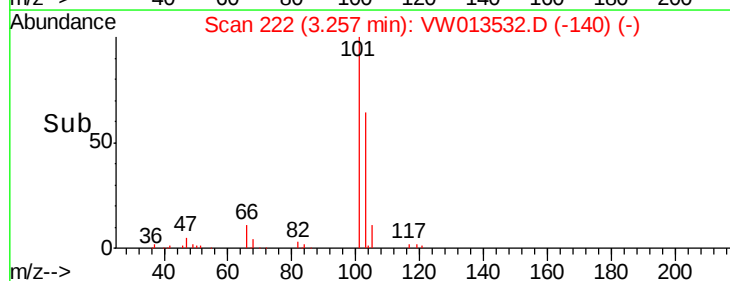
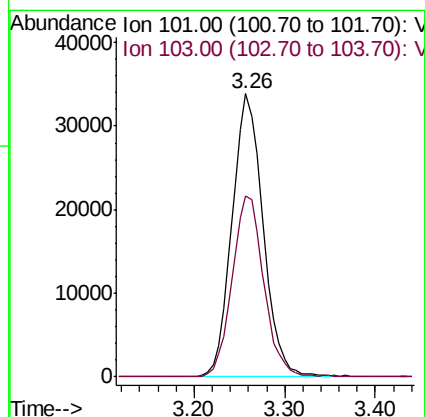
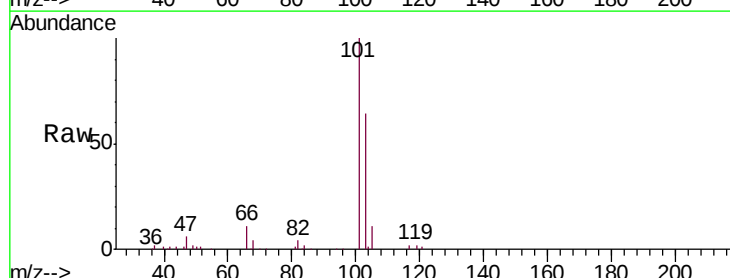
Acq: 11 Oct 2019 10:31

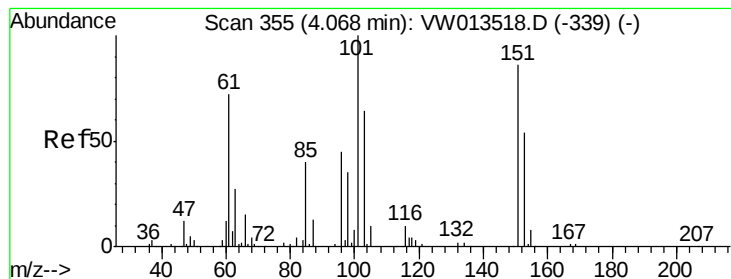
Tgt Ion: 101 Resp: 80719

Ion Ratio Lower Upper

101 100

103 64.6 46.0 85.4





#11

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

Concen: 25.200 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

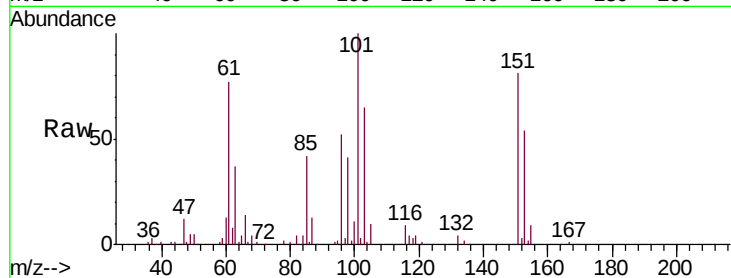
Tgt Ion: 101 Resp: 145803

Ion Ratio Lower Upper

101 100

85 39.9 32.0 48.0

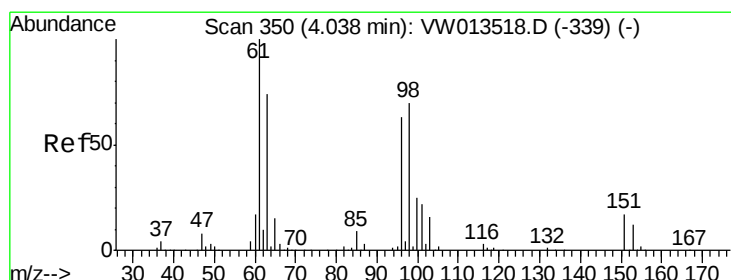
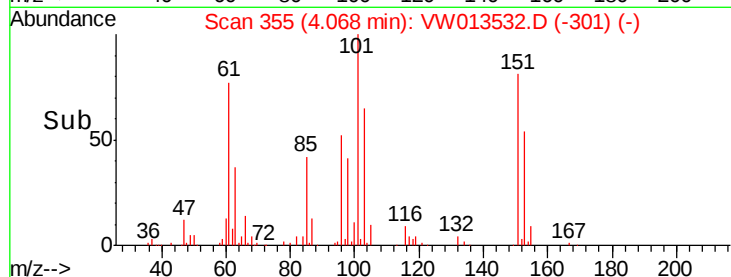
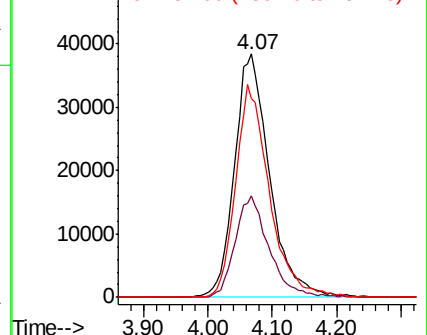
151 83.4 67.0 100.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.602 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

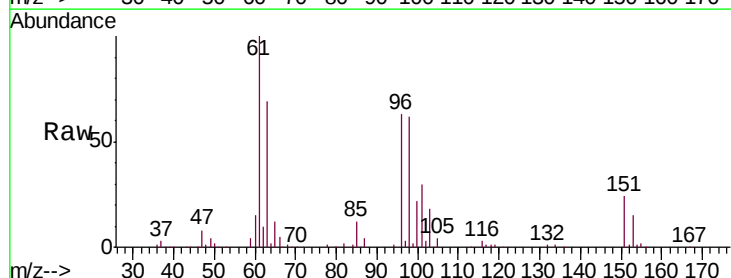
Tgt Ion: 96 Resp: 148374

Ion Ratio Lower Upper

96 100

61 158.2 111.0 206.2

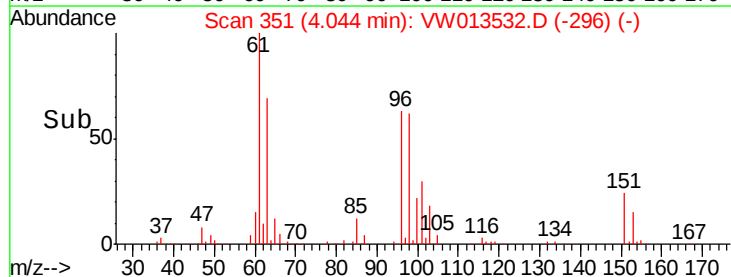
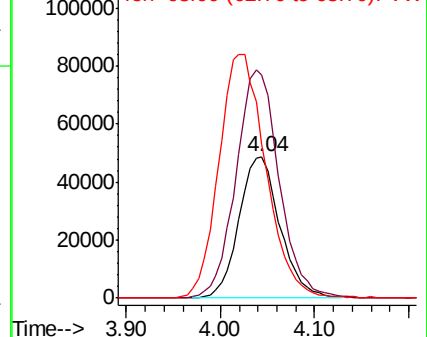
63 108.8 86.3 160.3

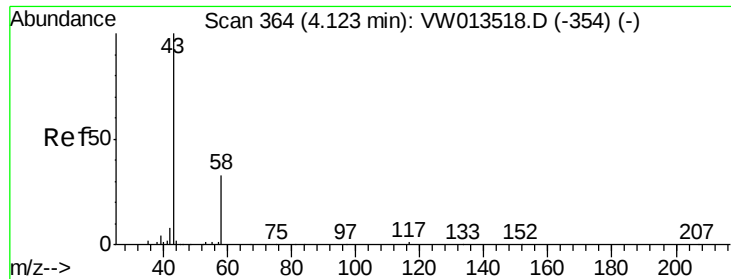


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.137 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

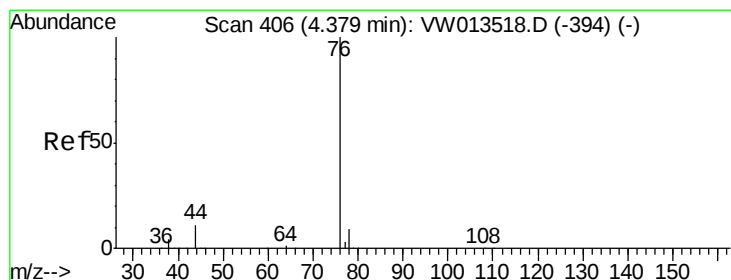
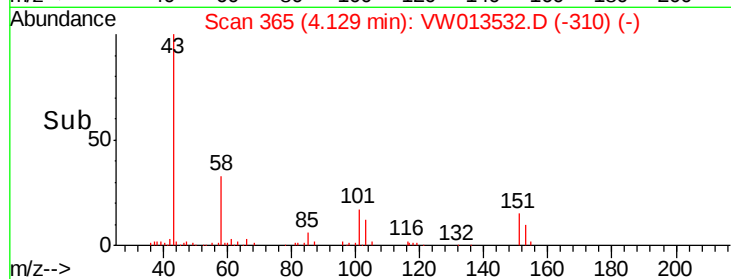
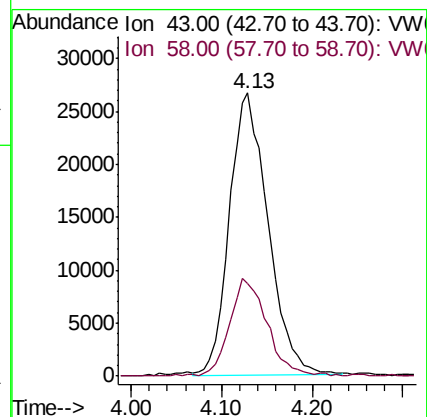
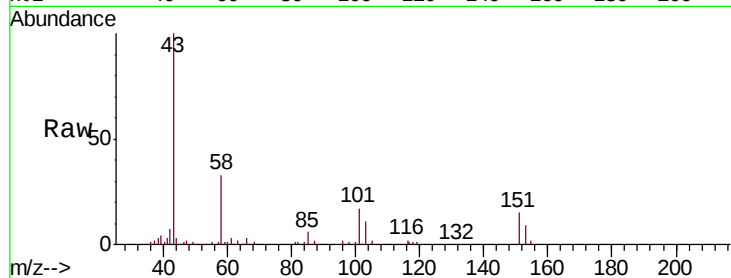
VSTD02511

Tgt Ion: 43 Resp: 78908

Ion Ratio Lower Upper

43 100

58 33.2 0.0 67.8



#14

Carbon disulfide

Concen: 25.149 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013532.D

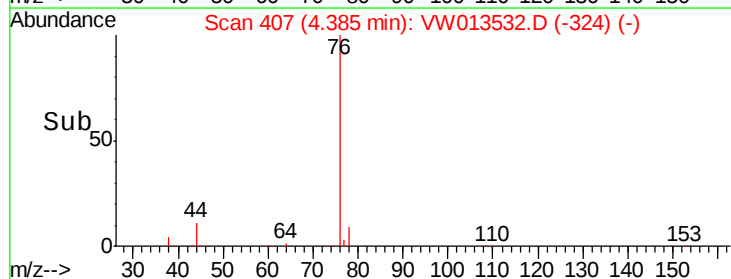
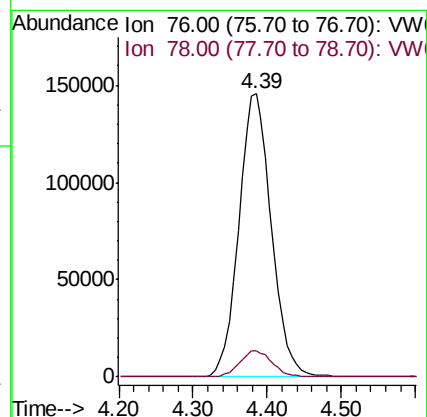
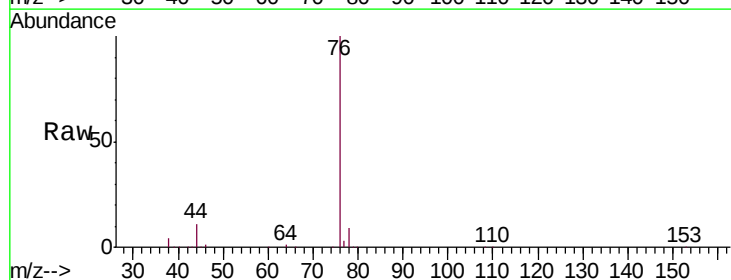
Acq: 11 Oct 2019 10:31

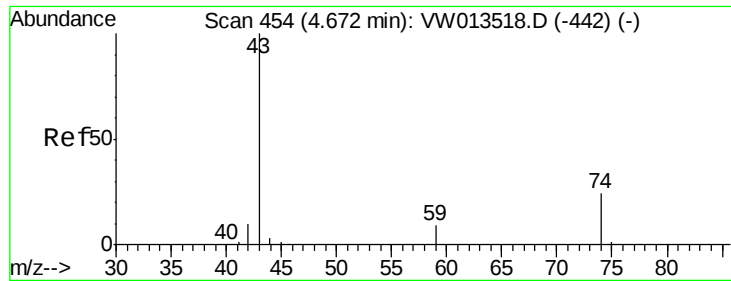
Tgt Ion: 76 Resp: 444781

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

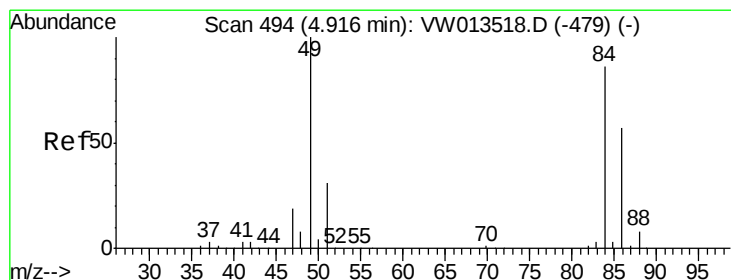
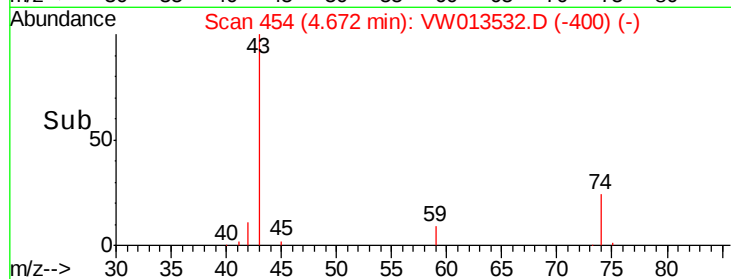
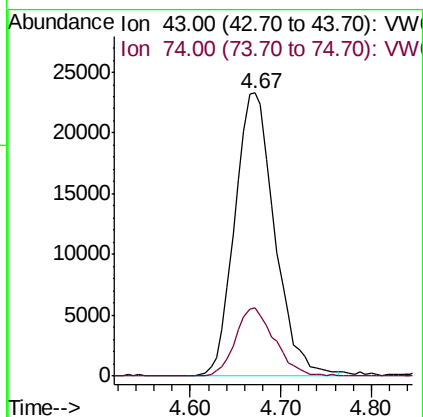
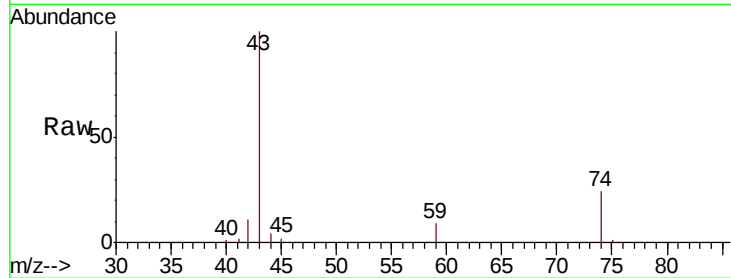




#15
Methyl Acetate
Concen: 24.979 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013532.D
Acq: 11 Oct 2019 10:31

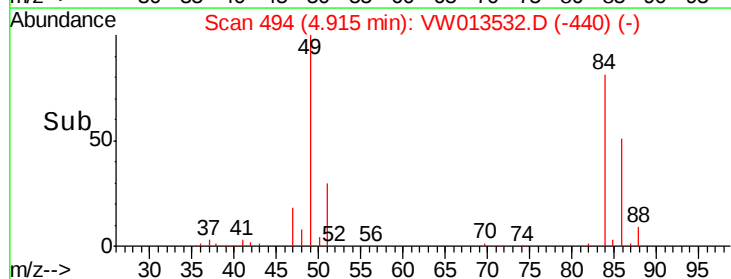
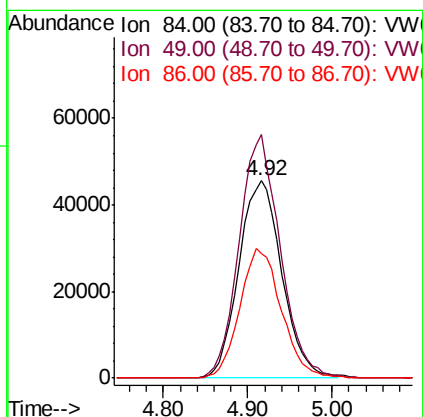
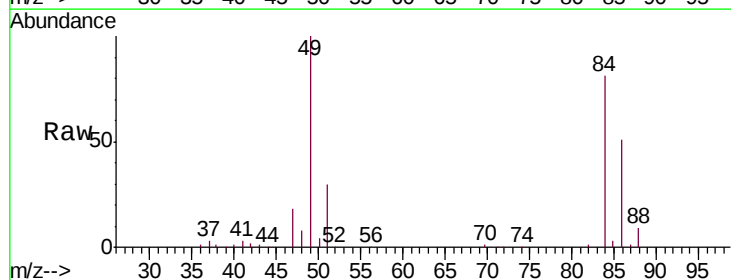
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

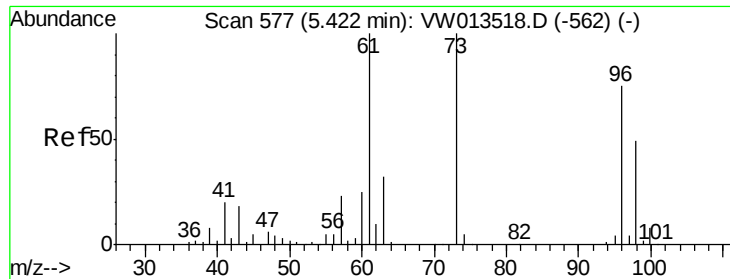
Tgt Ion: 43 Resp: 71276
Ion Ratio Lower Upper
43 100
74 23.5 18.7 28.1



#16
Methylene chloride
Concen: 22.651 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013532.D
Acq: 11 Oct 2019 10:31

Tgt Ion: 84 Resp: 158391
Ion Ratio Lower Upper
84 100
49 123.3 81.3 151.1
86 63.1 46.3 86.1

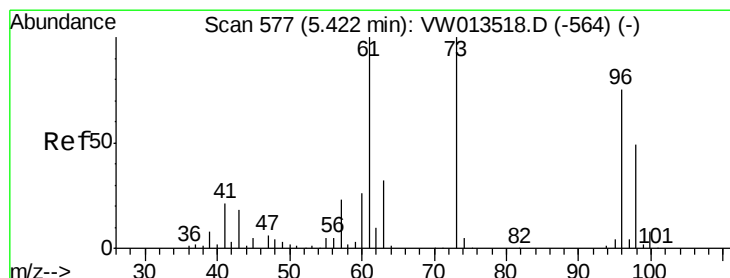
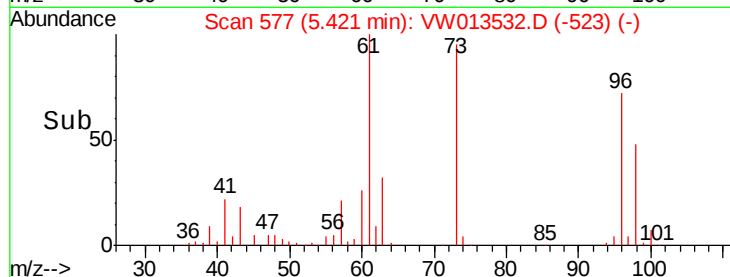
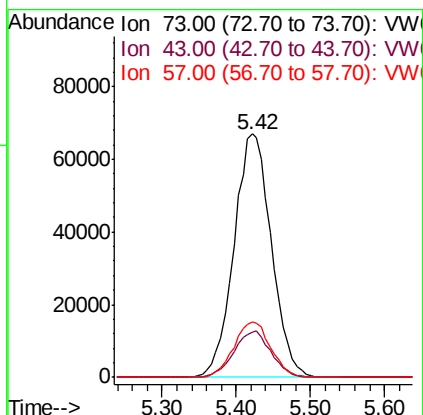
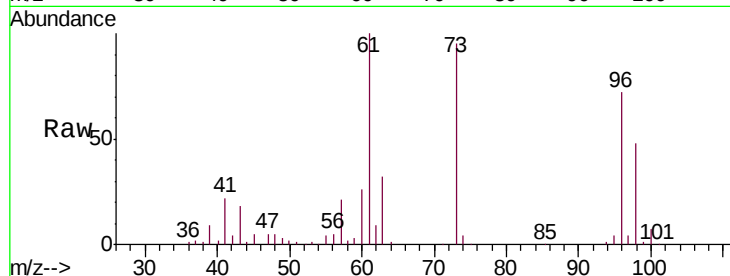




#17
Methyl tert-butyl Ether
Concen: 25.288 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013532.D
Acq: 11 Oct 2019 10:31

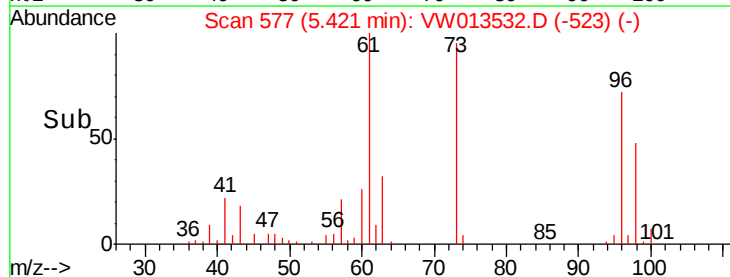
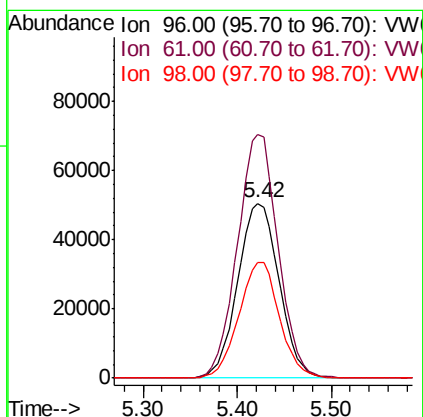
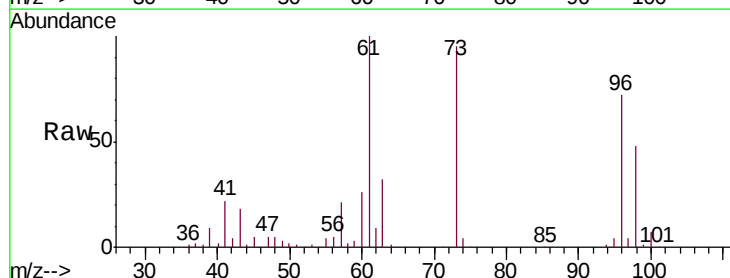
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

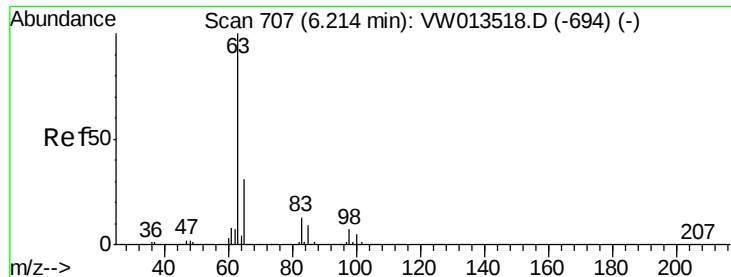
Tgt Ion: 73 Resp: 235507
Ion Ratio Lower Upper
73 100
43 18.9 15.0 22.4
57 22.4 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 25.136 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013532.D
Acq: 11 Oct 2019 10:31

Tgt Ion: 96 Resp: 155446
Ion Ratio Lower Upper
96 100
61 139.3 93.7 173.9
98 66.2 46.1 85.7





#19

1,1-Dichloroethane

Concen: 25.582 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

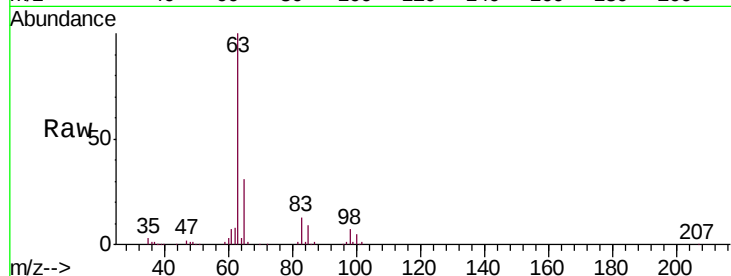
Tgt Ion: 63 Resp: 265619

Ion Ratio Lower Upper

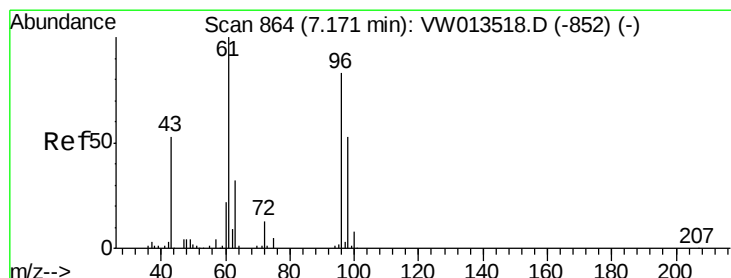
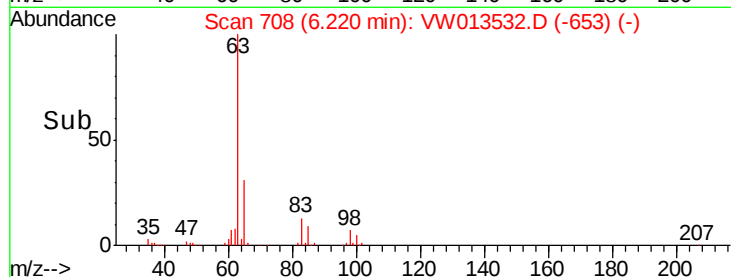
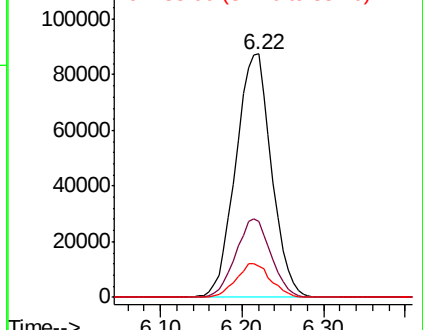
63 100

65 31.0 21.6 40.0

83 12.9 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: 44.187 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013532.D

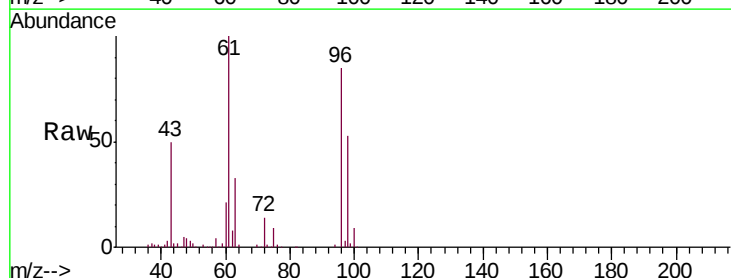
Acq: 11 Oct 2019 10:31

Tgt Ion: 43 Resp: 98882

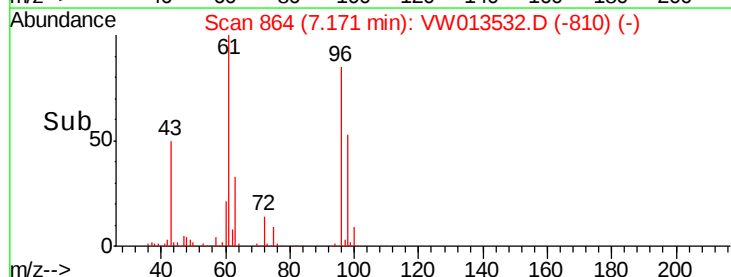
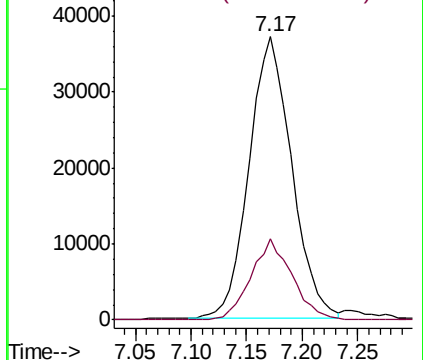
Ion Ratio Lower Upper

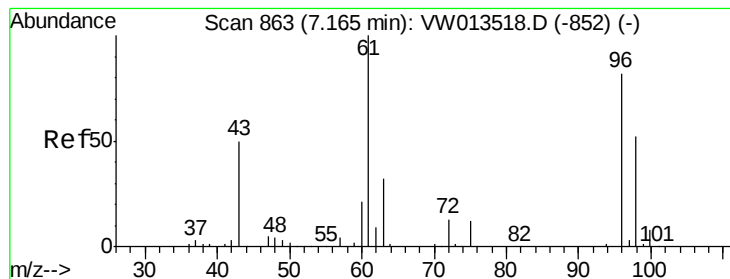
43 100

72 27.8 13.5 40.4



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



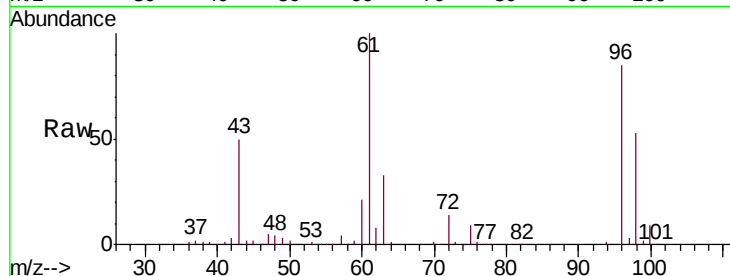


#22

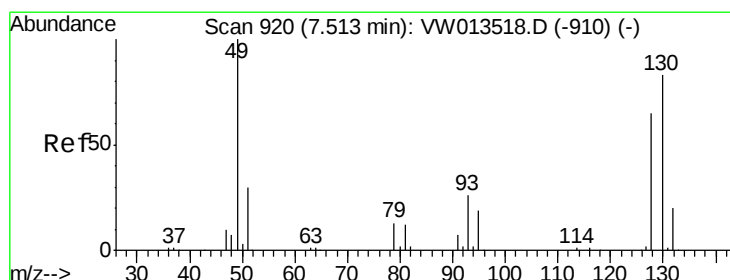
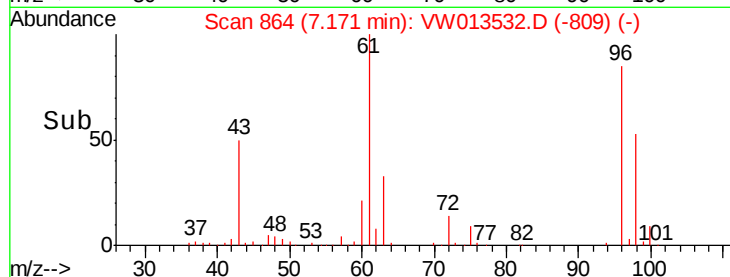
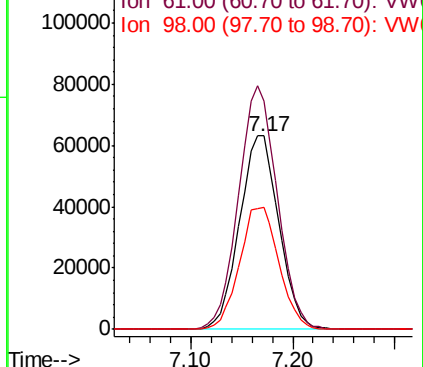
cis-1,2-Dichloroethene
 Concen: 25.615 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion: 96 Resp: 169423
 Ion Ratio Lower Upper
 96 100
 61 118.3 86.0 159.8
 98 63.0 44.4 82.5



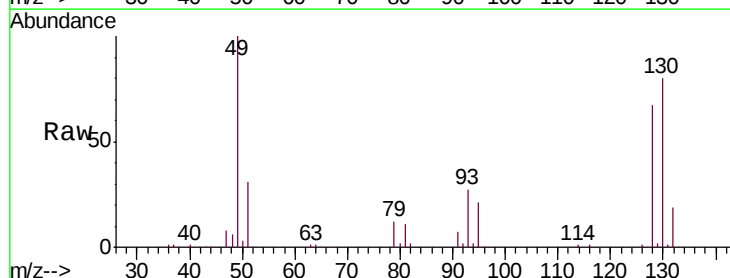
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



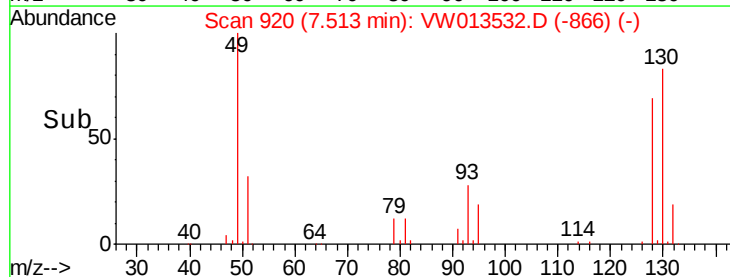
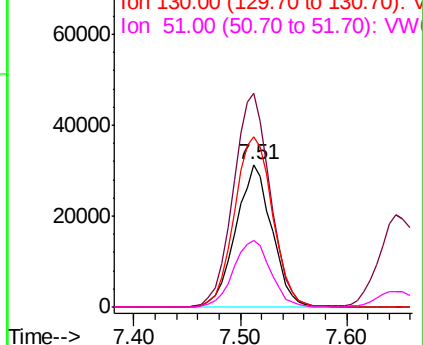
#23

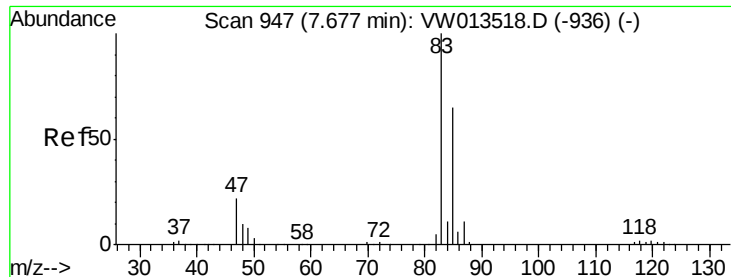
Bromochloromethane
 Concen: 25.121 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

Tgt Ion: 128 Resp: 74399
 Ion Ratio Lower Upper
 128 100
 49 150.2 108.0 200.6
 130 119.8 89.4 166.0
 51 46.5 37.4 56.2



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

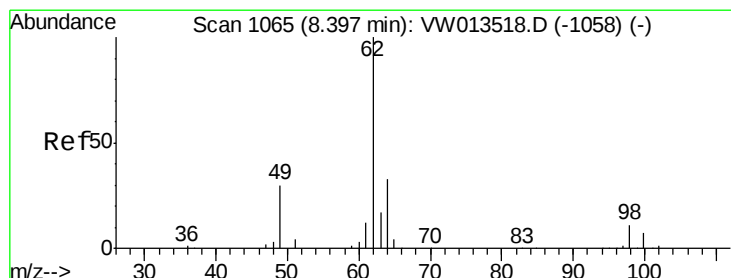
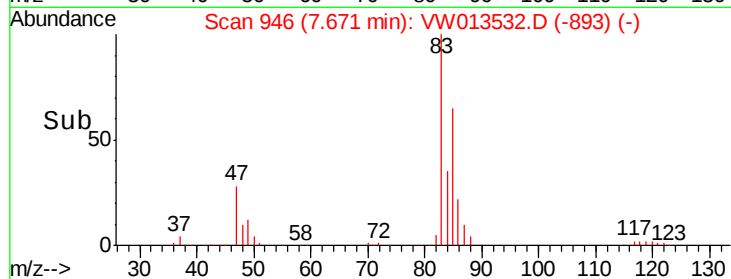
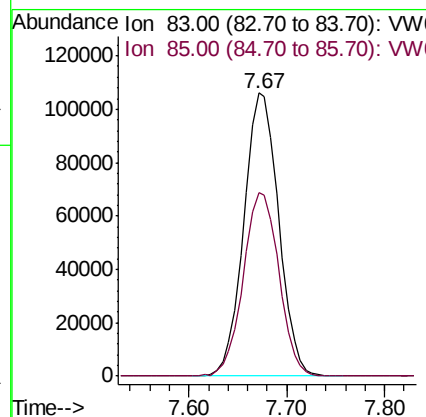
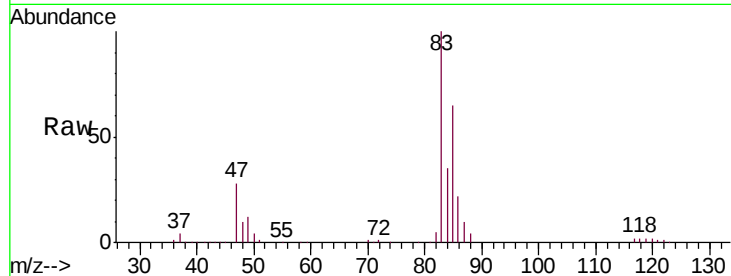




#25
Chloroform
Concen: 25.557 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013532.D
Acq: 11 Oct 2019 10:31

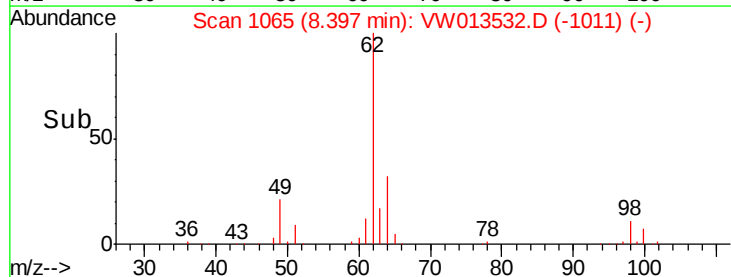
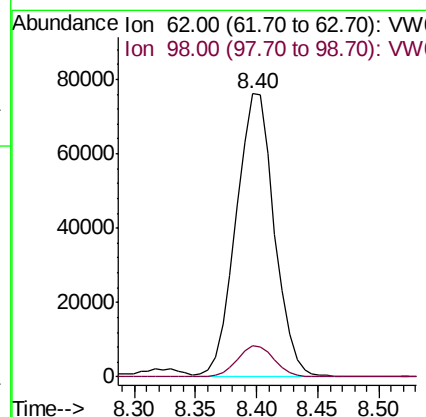
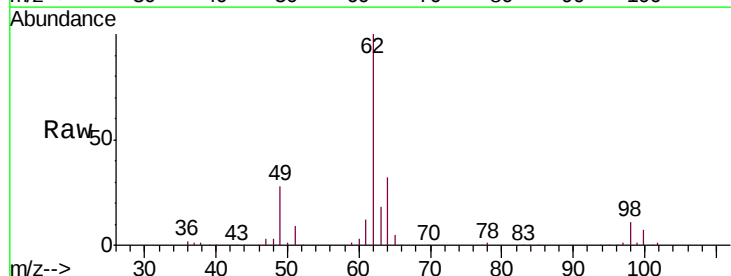
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

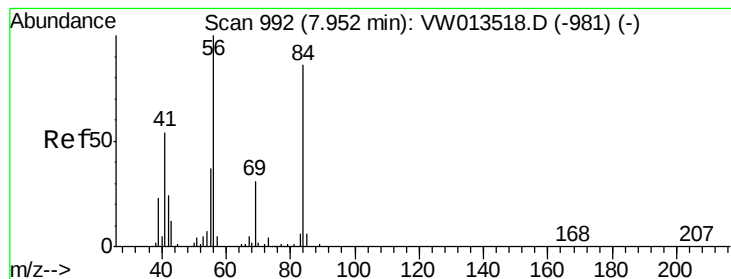
Tgt Ion: 83 Resp: 261776
Ion Ratio Lower Upper
83 100
85 66.3 46.1 85.5



#27
1,2-Dichloroethane
Concen: 25.537 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013532.D
Acq: 11 Oct 2019 10:31

Tgt Ion: 62 Resp: 165439
Ion Ratio Lower Upper
62 100
98 11.1 9.0 13.4





#30

Cyclohexane

Concen: 24.997 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

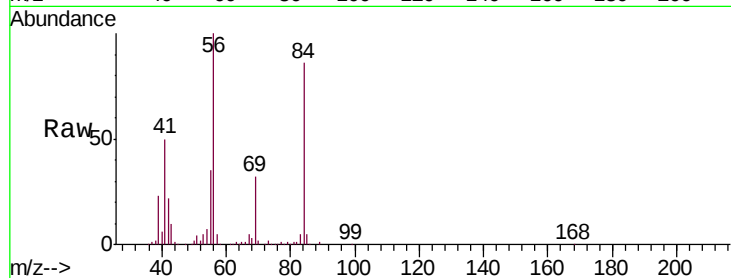
Tgt Ion: 56 Resp: 268620

Ion Ratio Lower Upper

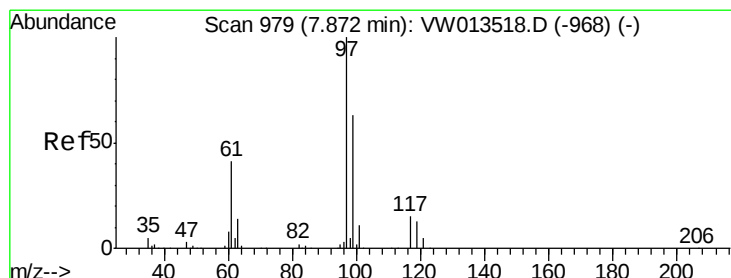
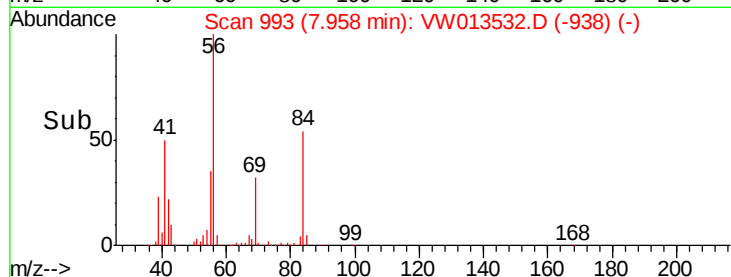
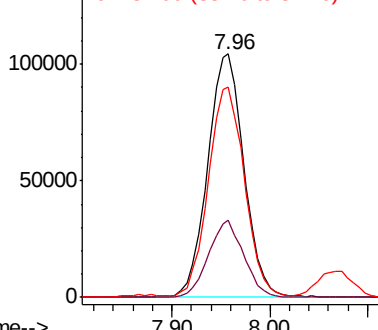
56 100

69 30.7 24.7 37.1

84 86.7 70.4 105.6



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



#31

1,1,1-Trichloroethane

Concen: 25.644 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

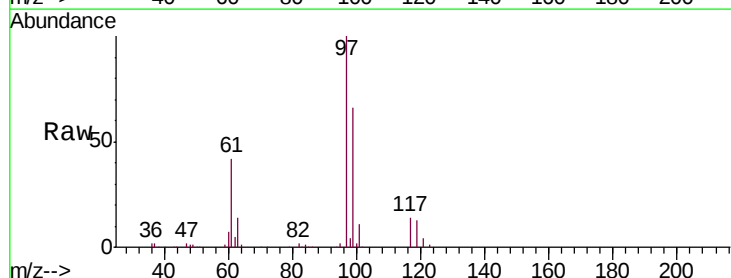
Tgt Ion: 97 Resp: 211095

Ion Ratio Lower Upper

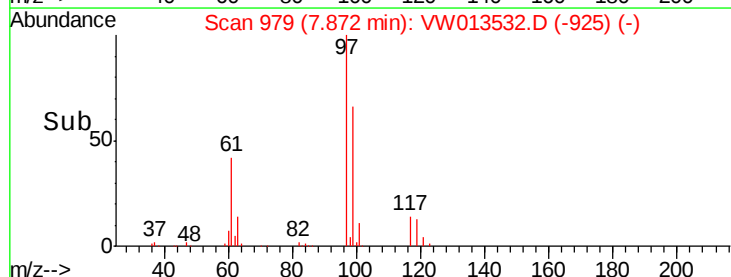
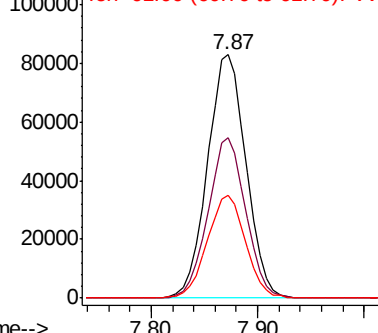
97 100

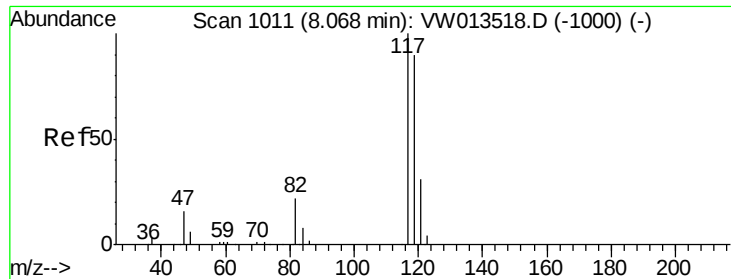
99 64.3 51.8 77.8

61 41.7 33.7 50.5



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





#32

Carbon tetrachloride

Concen: 25.365 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

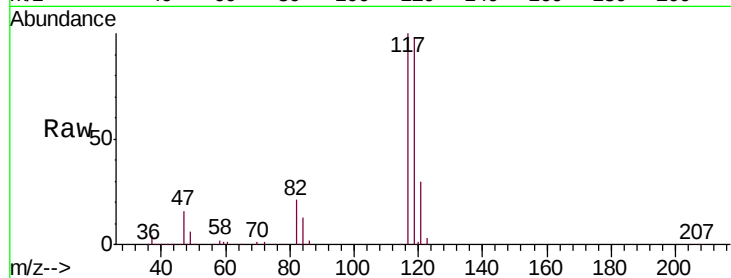
VSTD02511

Tgt Ion:117 Resp: 200277

Ion Ratio Lower Upper

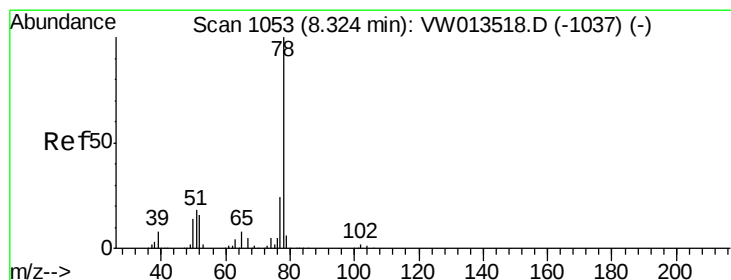
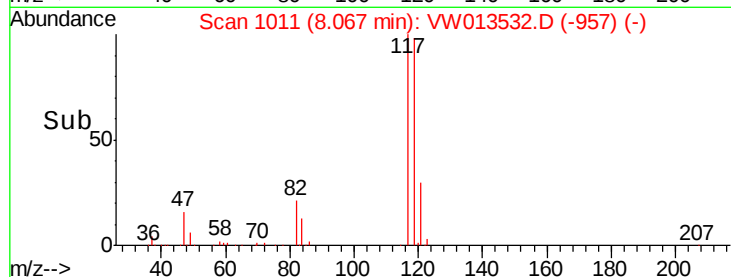
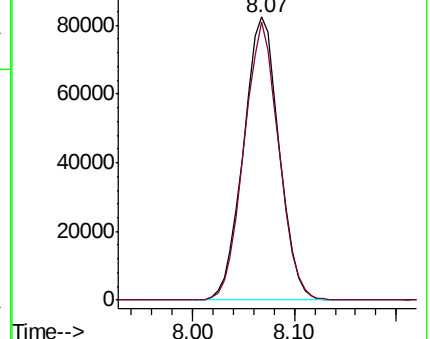
117 100

119 95.7 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.202 ug/L

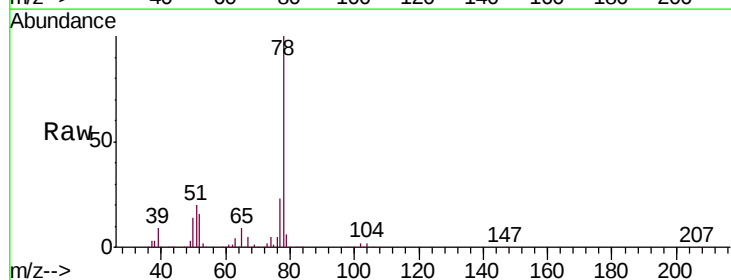
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

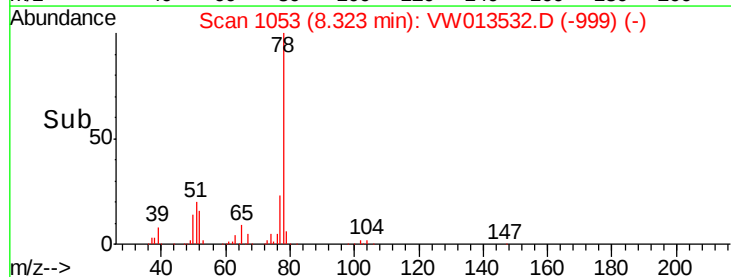
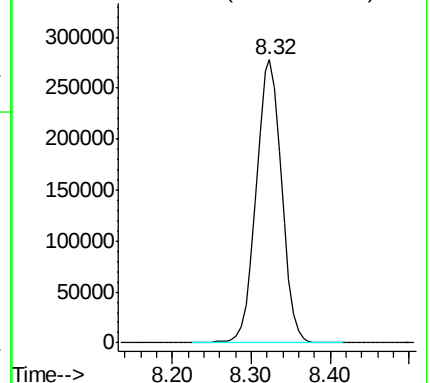
Lab File: VW013532.D

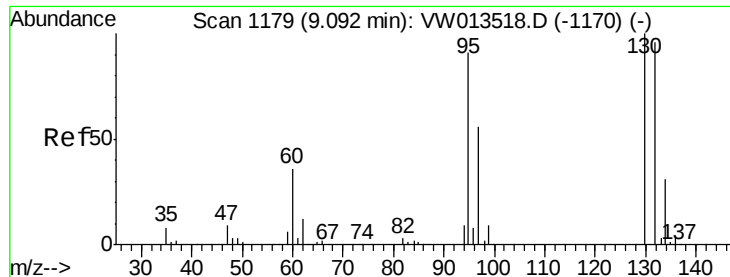
Acq: 11 Oct 2019 10:31

Tgt Ion: 78 Resp: 622259



Abundance Ion 78.00 (77.70 to 78.70): VW

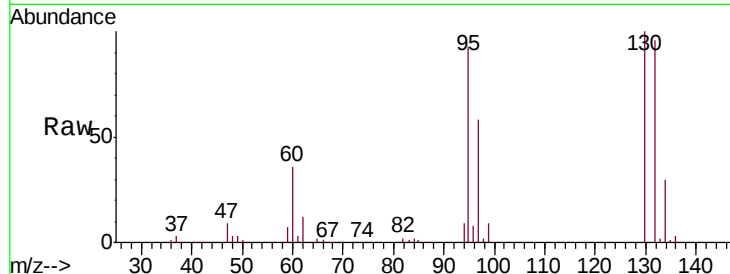




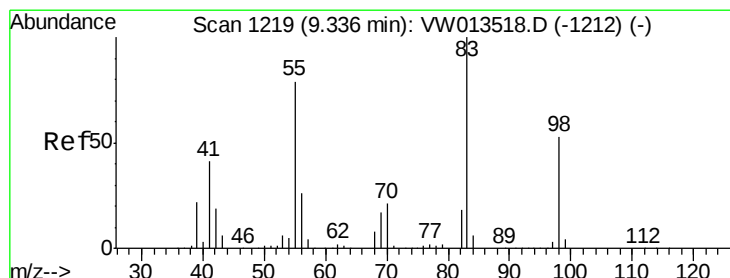
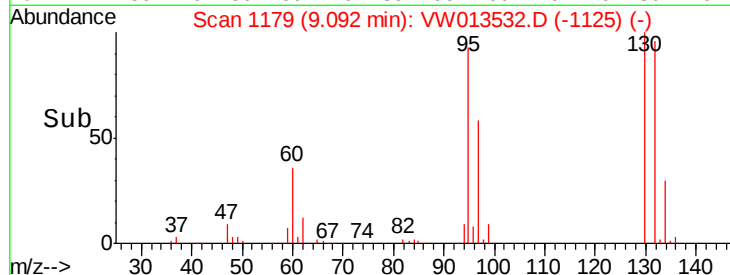
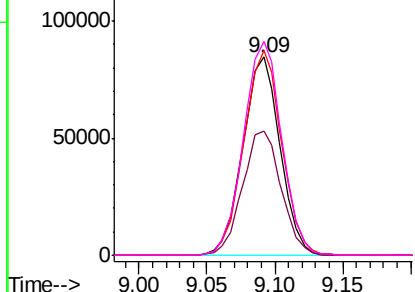
#35
 Trichloroethene
 Concen: 25.199 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion: 95 Resp: 162288
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.1 83.7
 132 105.1 73.6 136.8
 130 110.5 76.3 141.7

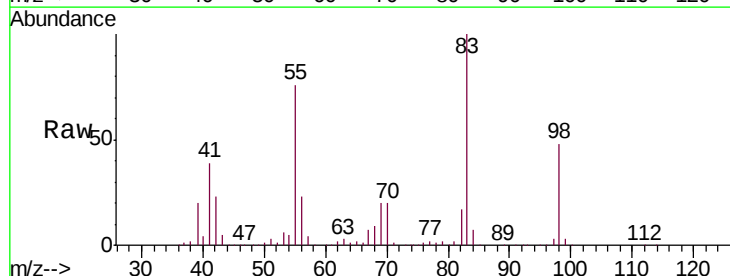


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

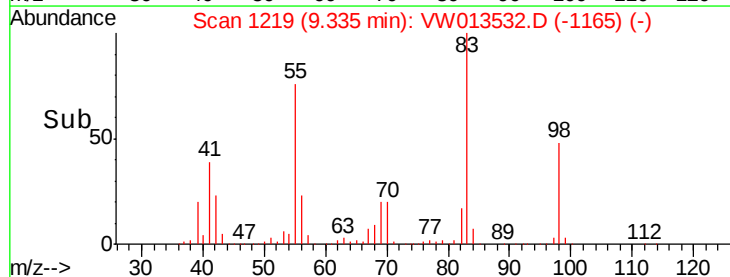
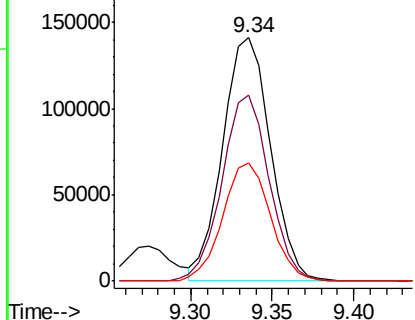


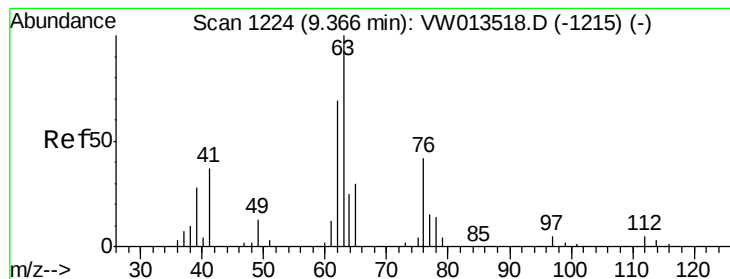
#36
 Methylcyclohexane
 Concen: 24.696 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

Tgt Ion: 83 Resp: 289238
 Ion Ratio Lower Upper
 83 100
 55 75.0 60.4 90.6
 98 48.6 39.3 58.9



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.138 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

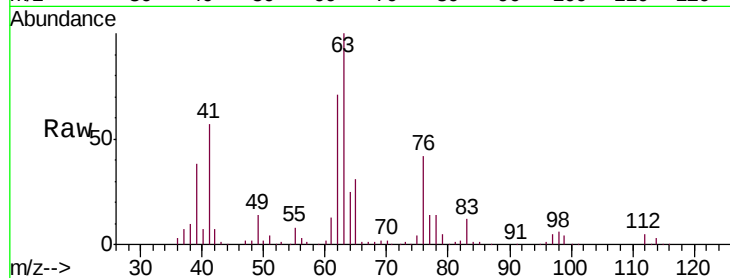
VSTD02511

Tgt Ion: 63 Resp: 149519

Ion Ratio Lower Upper

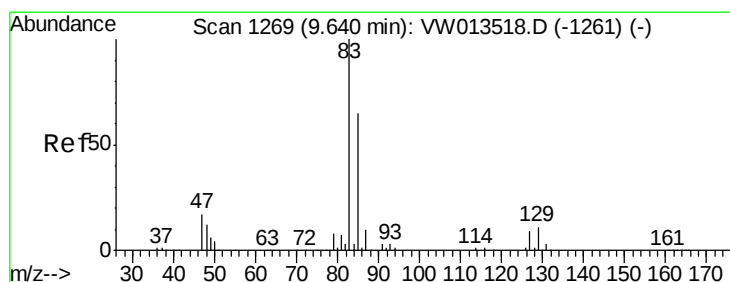
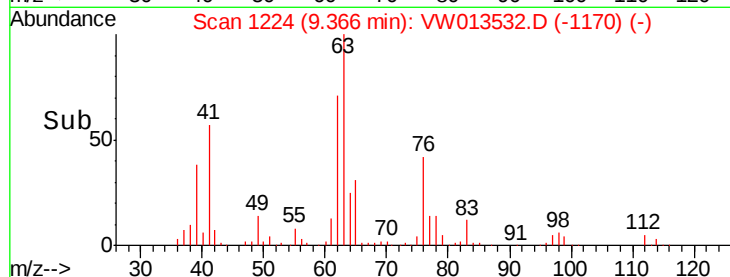
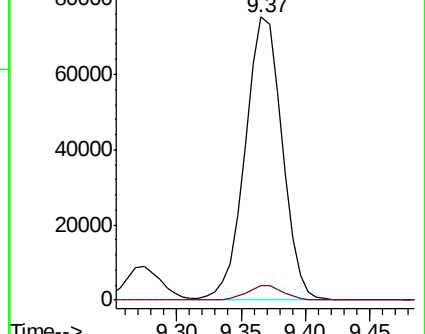
63 100

112 5.1 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.468 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

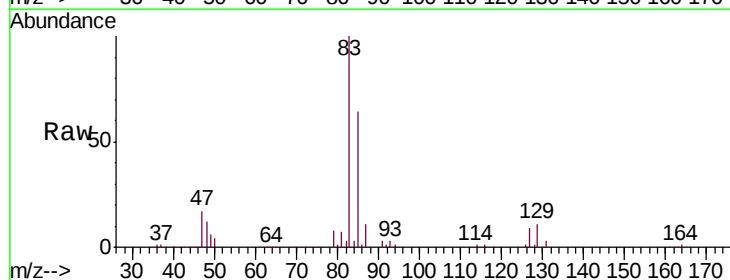
Tgt Ion: 83 Resp: 186056

Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.9

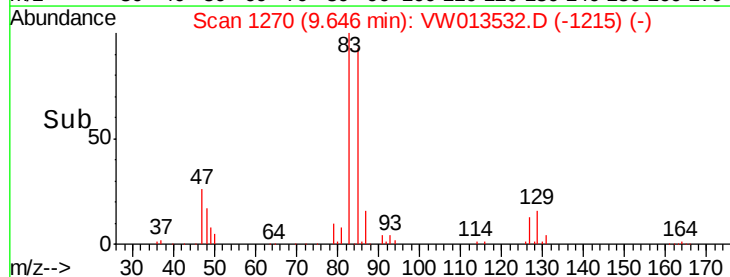
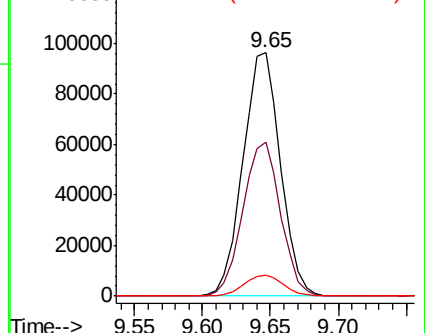
127 8.6 7.1 10.7

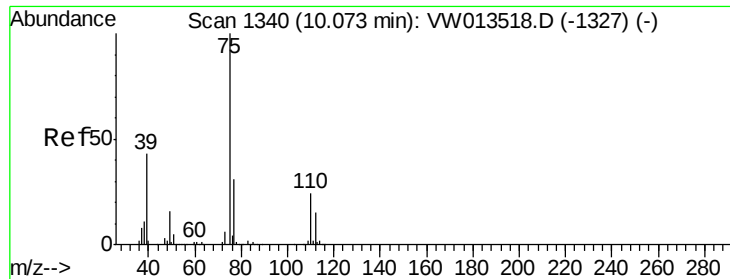


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.402 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

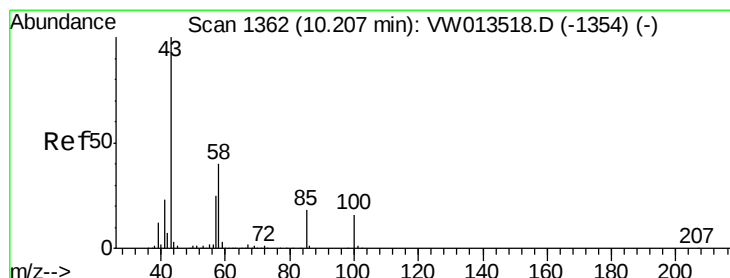
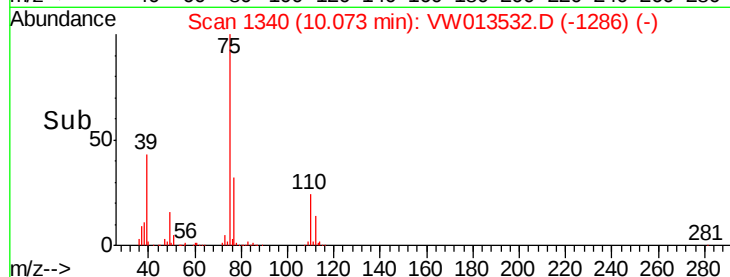
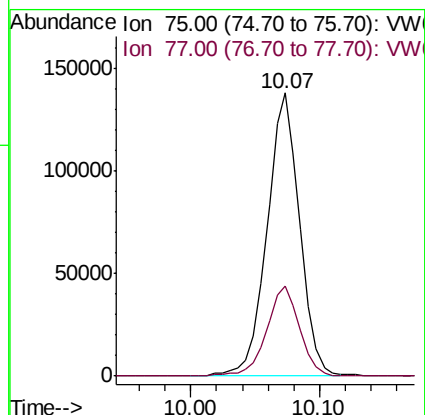
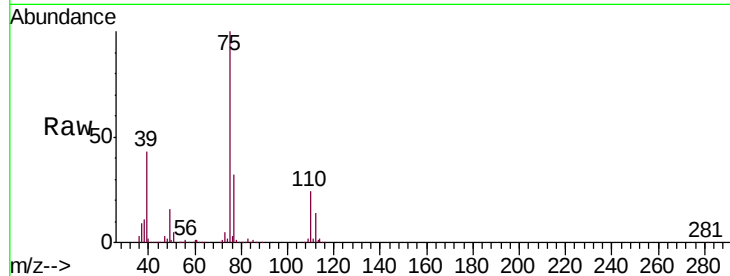
VSTD02511

Tgt Ion: 75 Resp: 242383

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 46.063 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

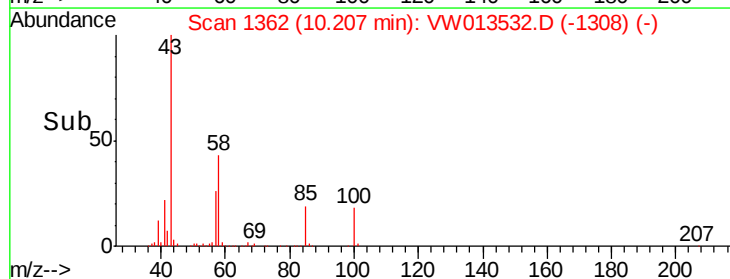
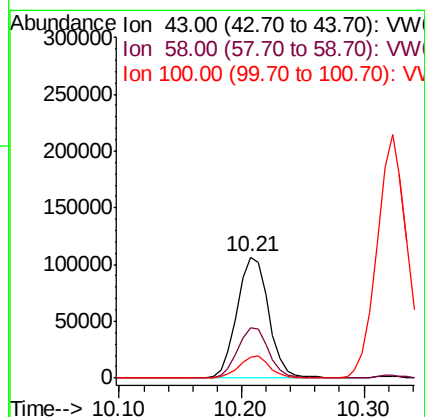
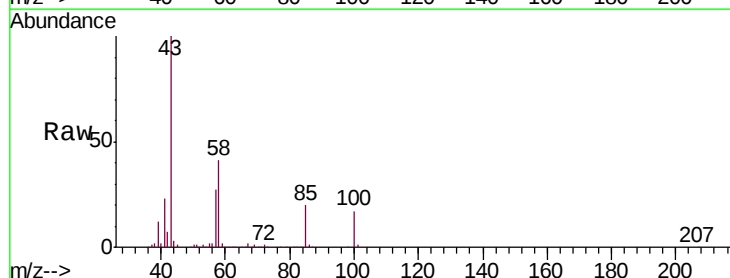
Tgt Ion: 43 Resp: 191162

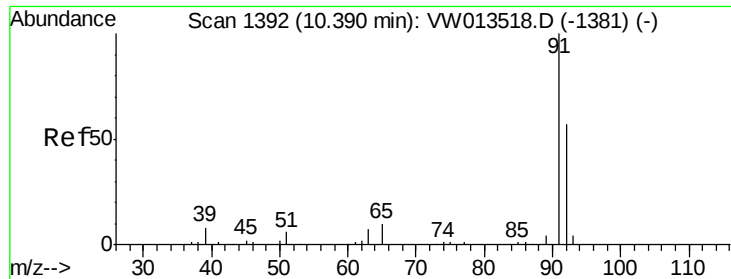
Ion Ratio Lower Upper

43 100

58 41.3 32.0 48.0

100 17.4 13.7 20.5





#44

Toluene

Concen: 25.277 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampled :

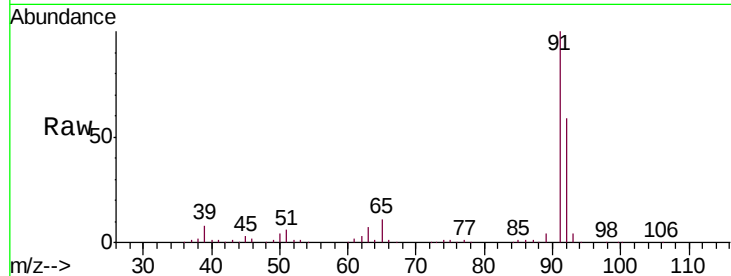
VSTD02511

Tgt Ion: 91 Resp: 676357

Ion Ratio Lower Upper

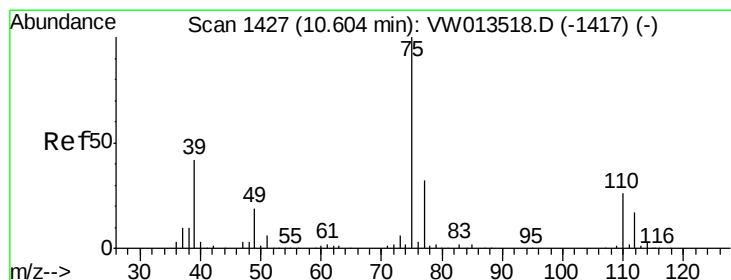
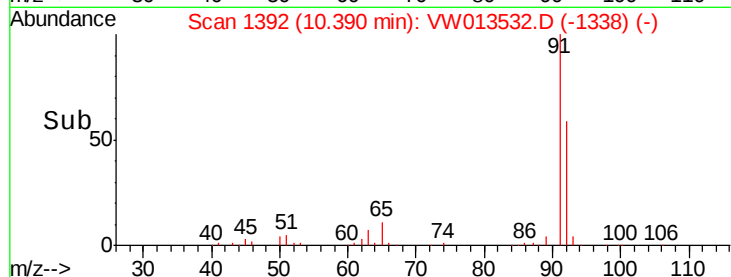
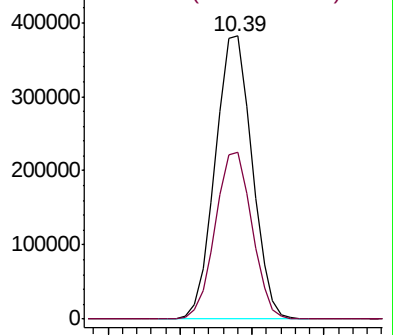
91 100

92 59.1 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 25.365 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013532.D

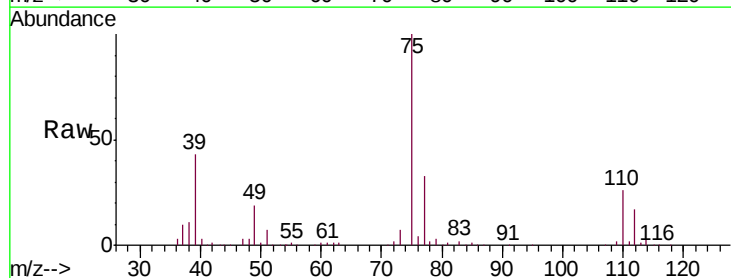
Acq: 11 Oct 2019 10:31

Tgt Ion: 75 Resp: 191117

Ion Ratio Lower Upper

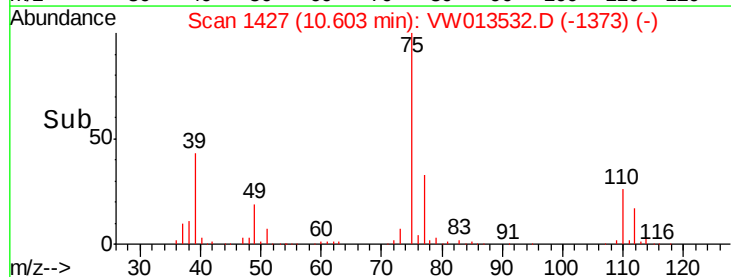
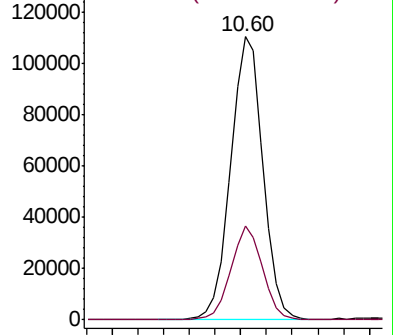
75 100

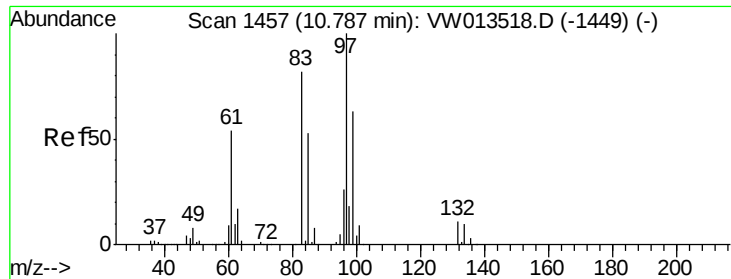
77 33.2 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

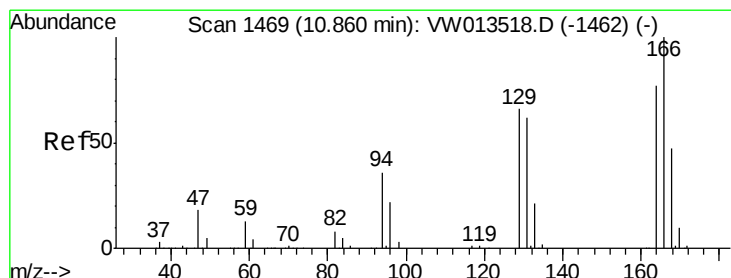
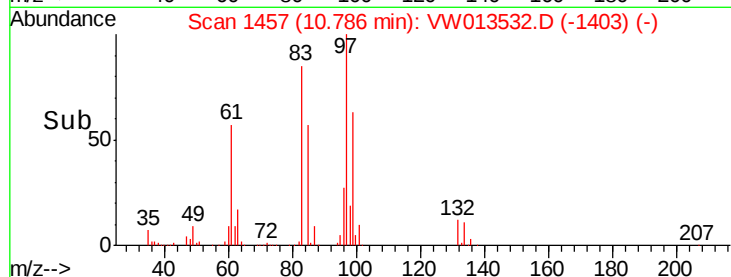
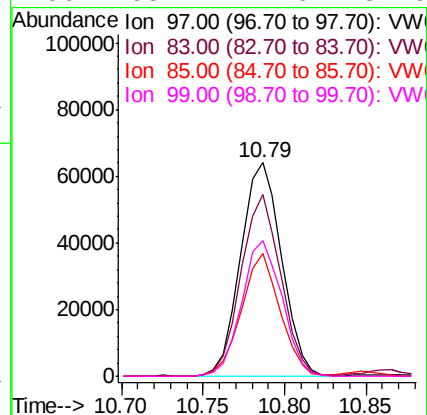
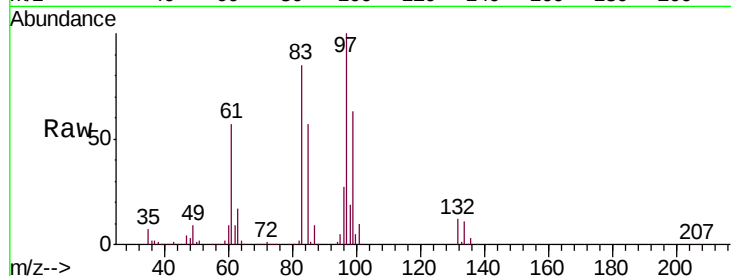




#46
 1,1,2-Trichloroethane
 Concen: 24.854 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

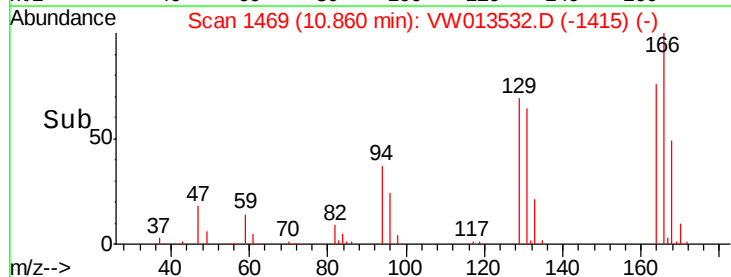
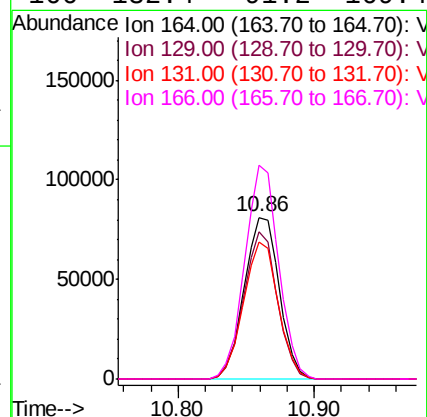
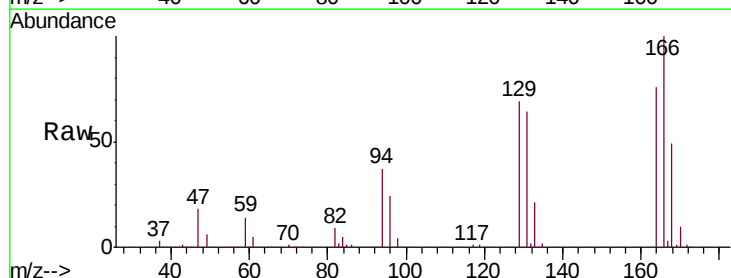
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

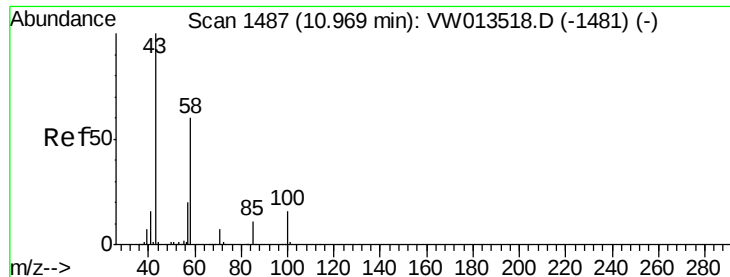
Tgt Ion: 97 Resp: 112219
 Ion Ratio Lower Upper
 97 100
 83 85.1 57.5 106.9
 85 57.3 36.8 68.4
 99 63.4 44.0 81.6



#47
 Tetrachloroethene
 Concen: 24.909 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

Tgt Ion: 164 Resp: 146208
 Ion Ratio Lower Upper
 164 100
 129 91.1 60.2 111.8
 131 84.7 57.0 105.9
 166 132.4 91.2 169.4

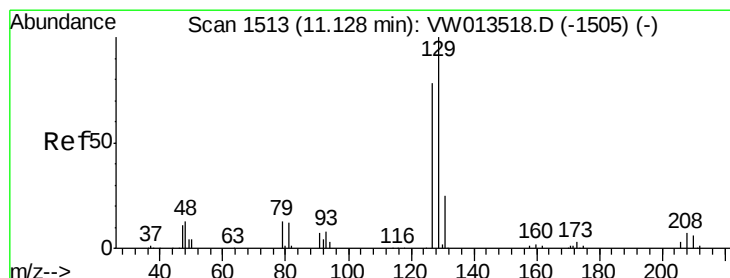
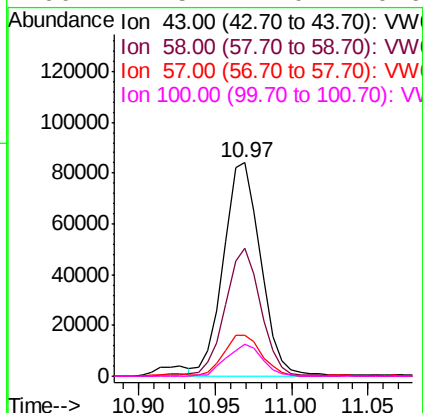
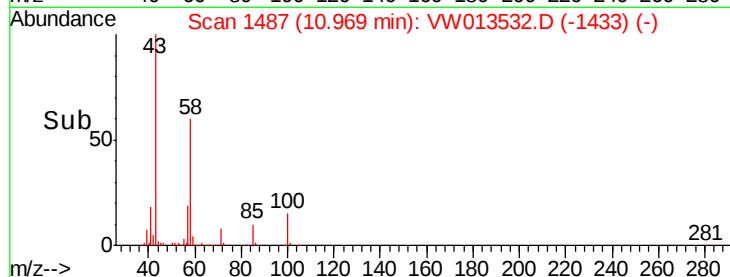
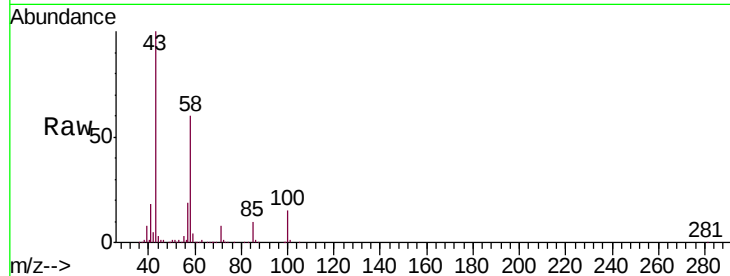




#49
2-Hexanone
Concen: 47.137 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013532.D
Acq: 11 Oct 2019 10:31

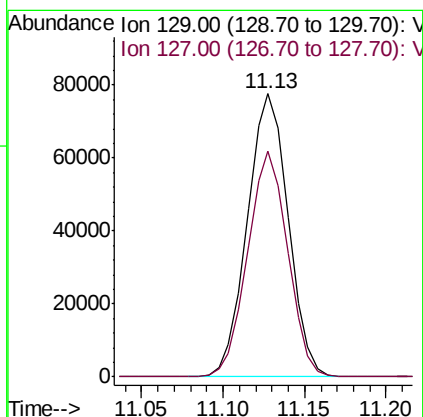
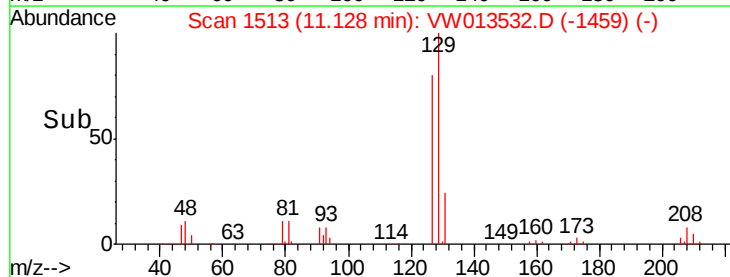
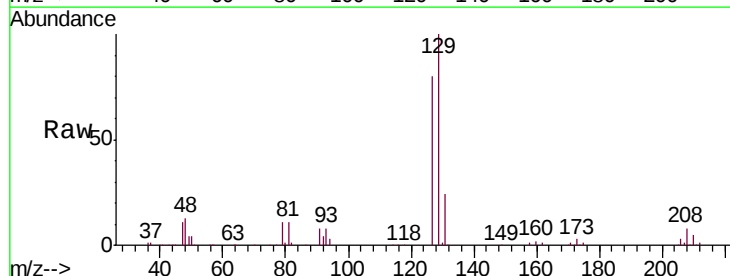
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

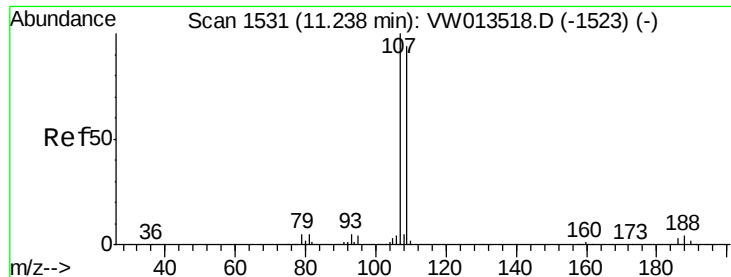
Tgt Ion: 43 Resp: 142174
Ion Ratio Lower Upper
43 100
58 57.5 45.2 67.8
57 19.5 15.8 23.8
100 14.5 11.0 16.6



#50
Dibromochloromethane
Concen: 25.506 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013532.D
Acq: 11 Oct 2019 10:31

Tgt Ion: 129 Resp: 135591
Ion Ratio Lower Upper
129 100
127 79.9 54.7 101.5

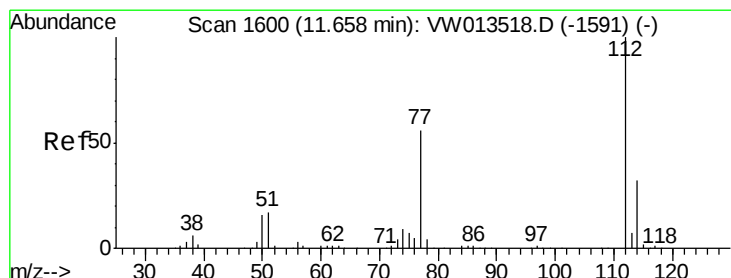
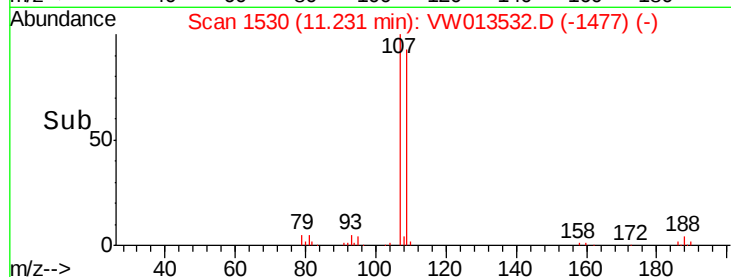
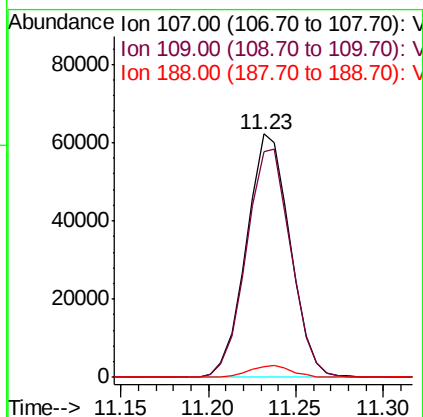
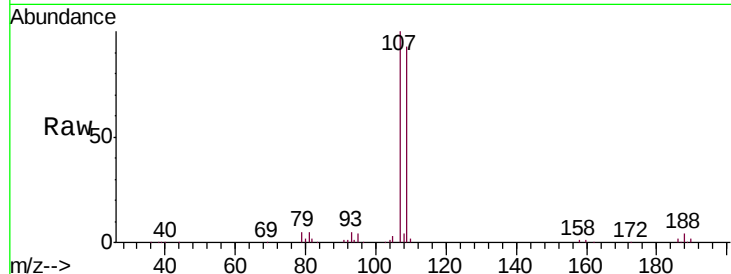




#51
 1,2-Dibromoethane
 Concen: 24.343 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

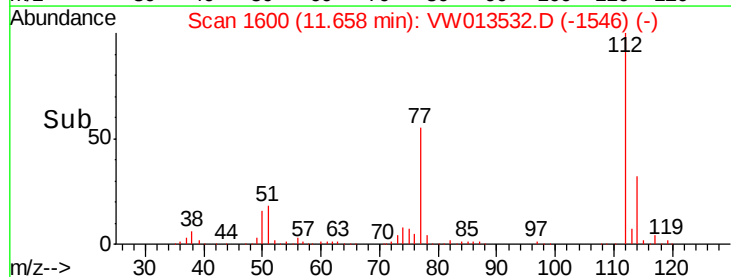
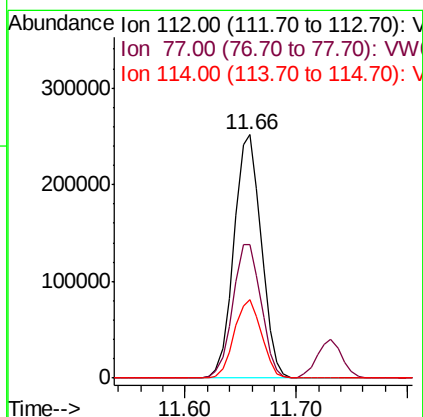
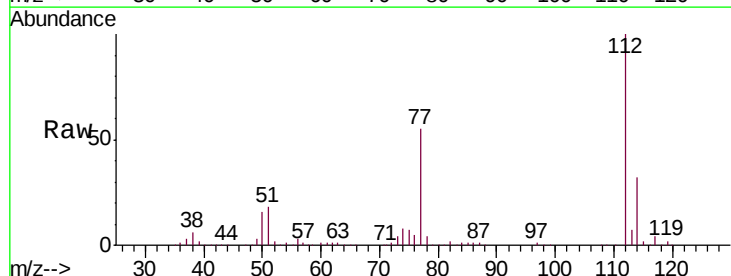
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

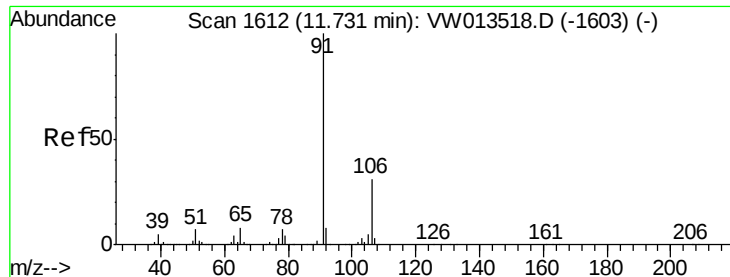
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.6	65.5	121.7
188	4.6	3.6	5.4



#52
 Chlorobenzene
 Concen: 25.115 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.8	44.5	66.7
114	32.0	22.7	42.3





#53

Ethylbenzene

Concen: 25.225 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

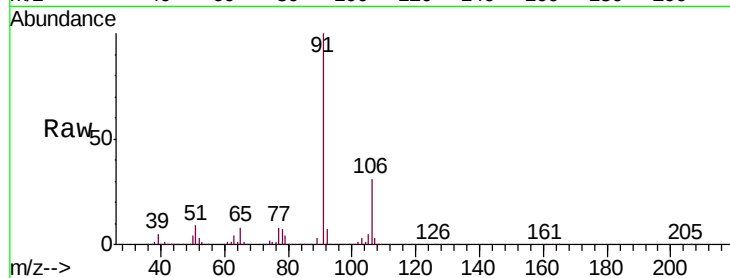
VSTD02511

Tgt Ion: 91 Resp: 747124

Ion Ratio Lower Upper

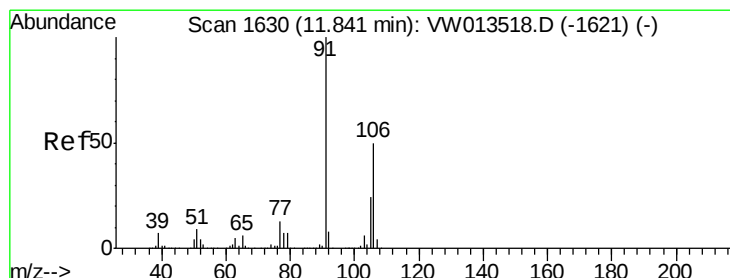
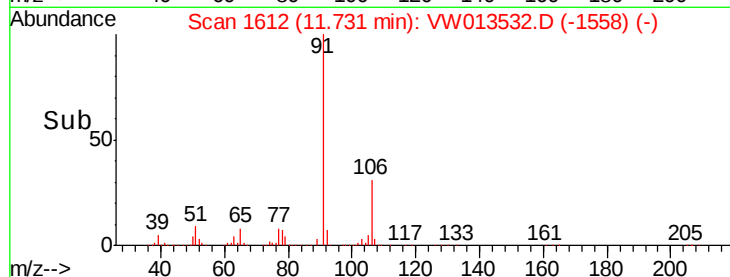
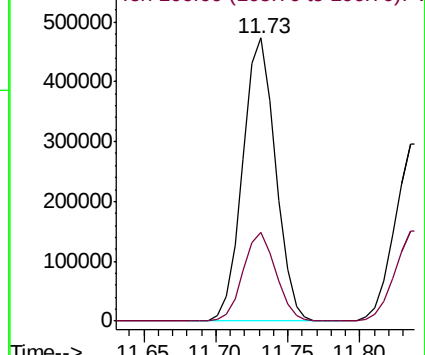
91 100

106 31.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.255 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013532.D

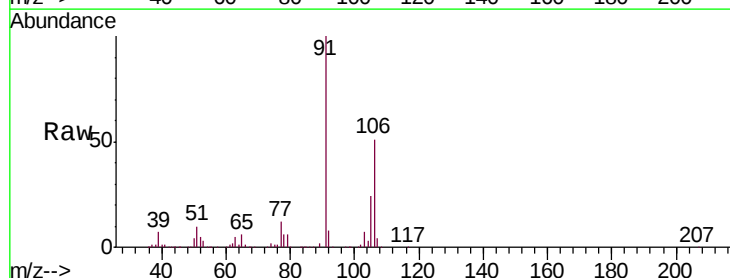
Acq: 11 Oct 2019 10:31

Tgt Ion: 106 Resp: 291808

Ion Ratio Lower Upper

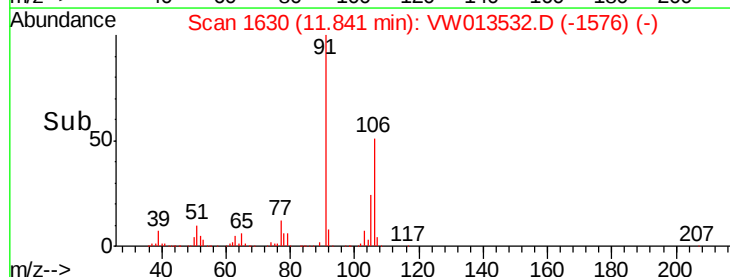
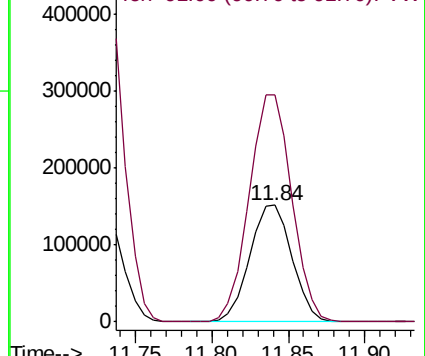
106 100

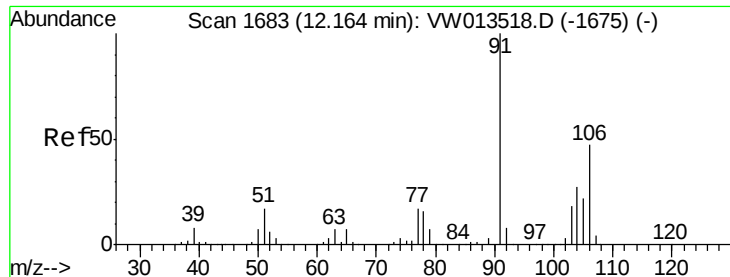
91 194.4 139.4 258.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 25.088 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampled :

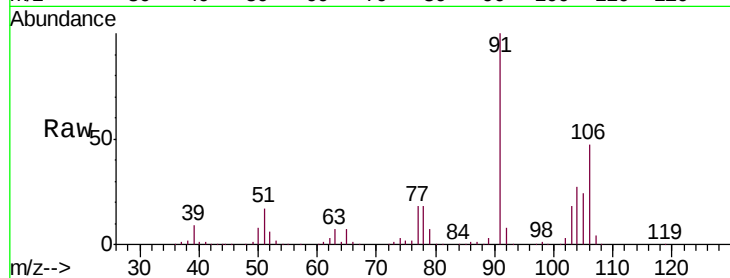
VSTD02511

Tgt Ion:106 Resp: 270586

Ion Ratio Lower Upper

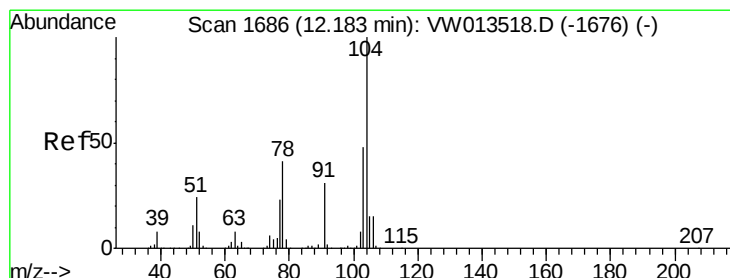
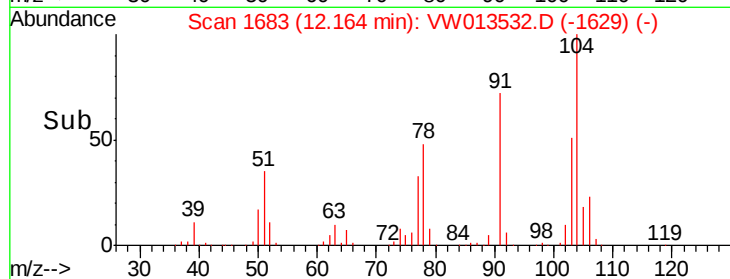
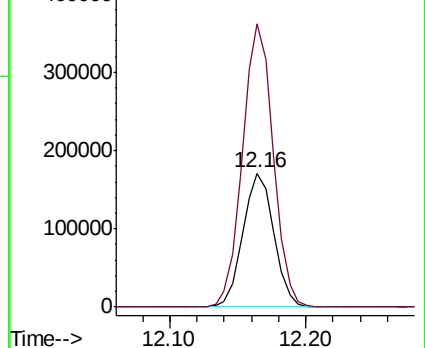
106 100

91 211.3 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.909 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013532.D

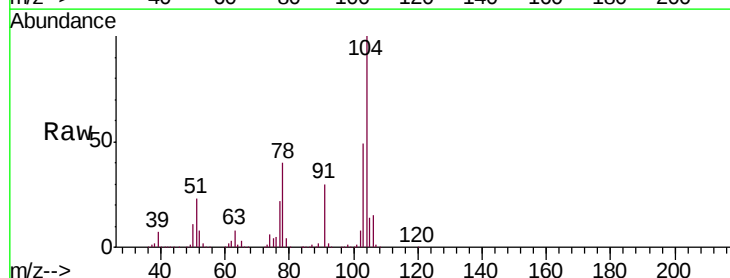
Acq: 11 Oct 2019 10:31

Tgt Ion:104 Resp: 475897

Ion Ratio Lower Upper

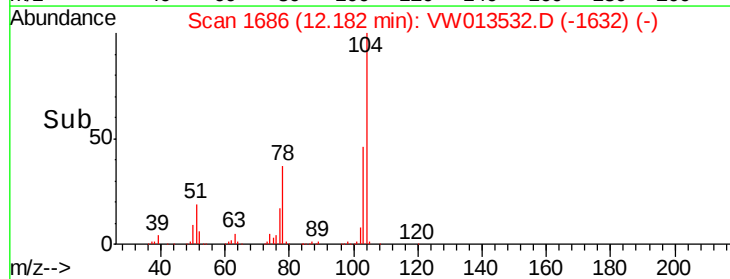
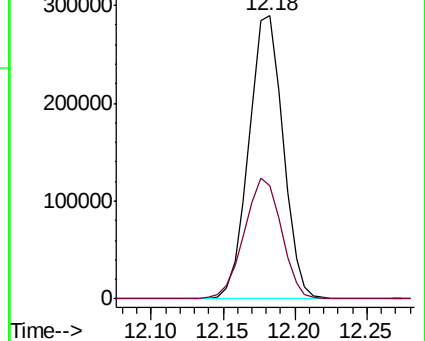
104 100

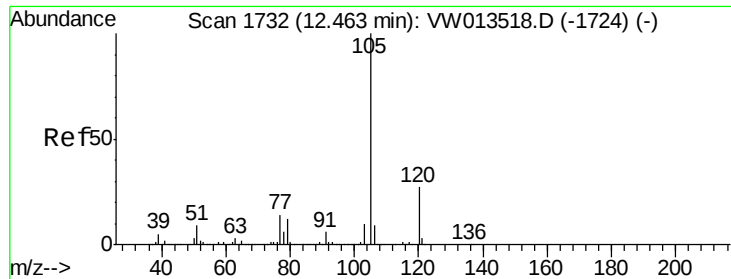
78 39.8 28.4 52.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.489 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

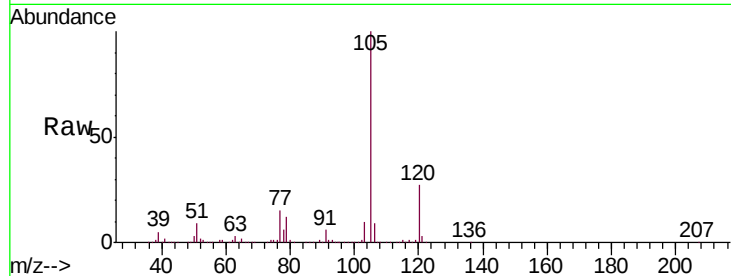
Tgt Ion: 105 Resp: 745753

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

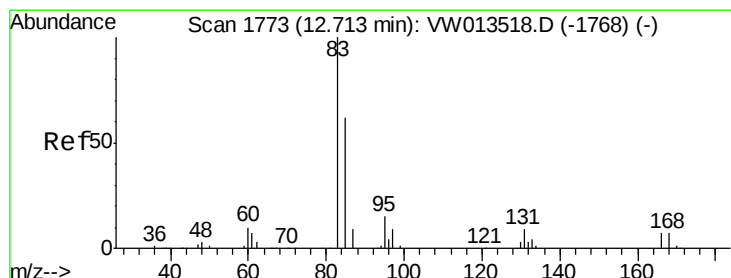
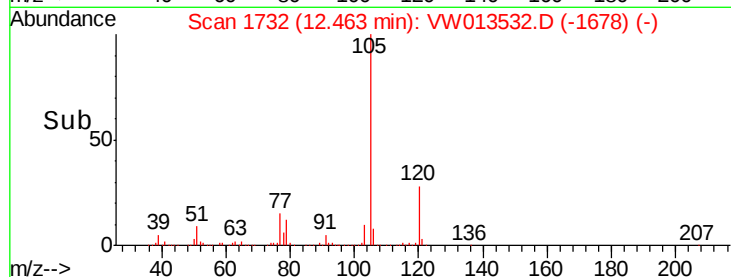
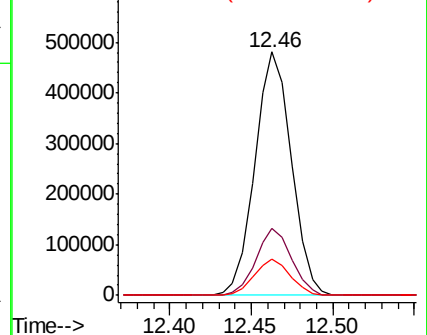
77 14.6 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.632 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

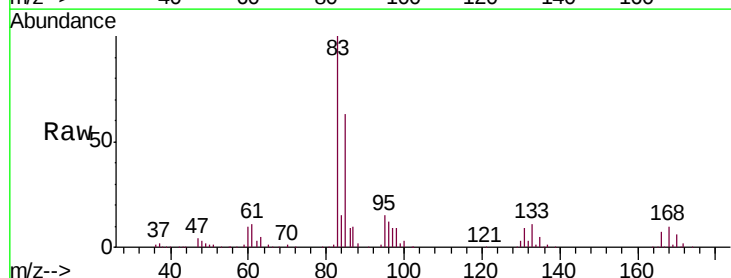
Tgt Ion: 83 Resp: 131396

Ion Ratio Lower Upper

83 100

85 62.6 44.7 83.1

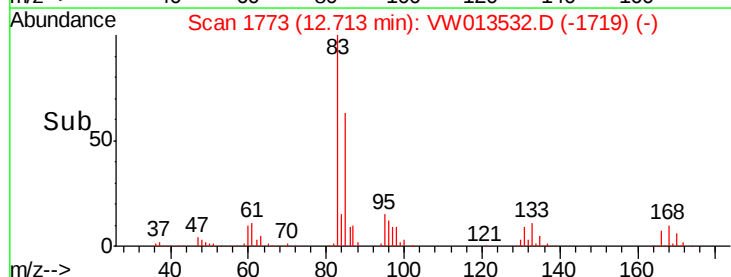
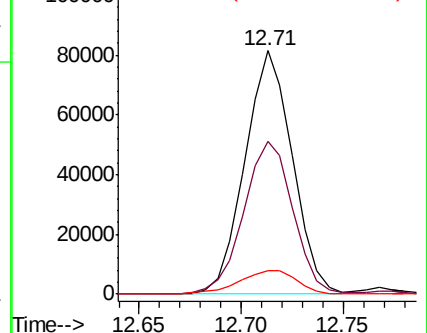
131 9.4 7.8 11.6

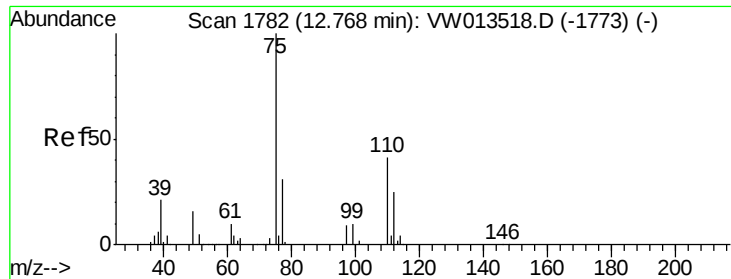


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

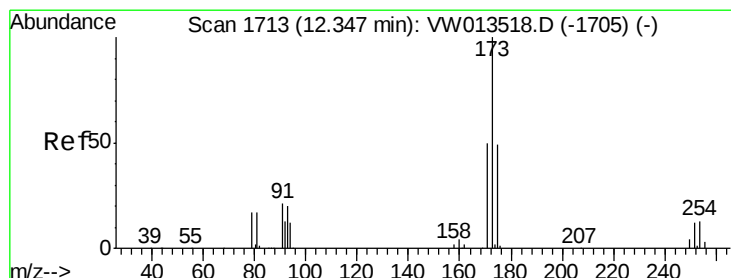
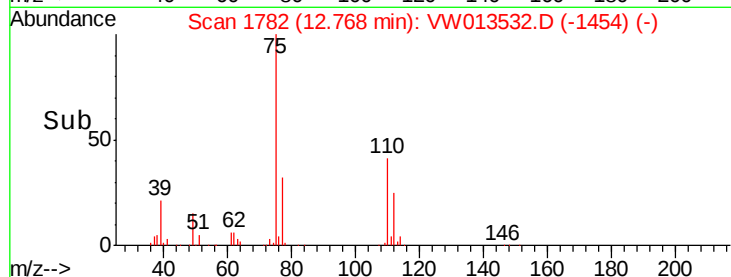
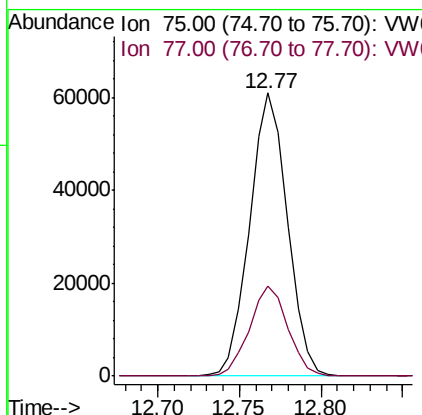
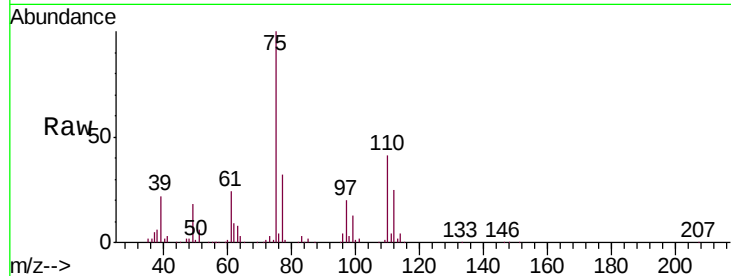




#59
 1,2,3-Trichloropropane
 Concen: 24.656 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

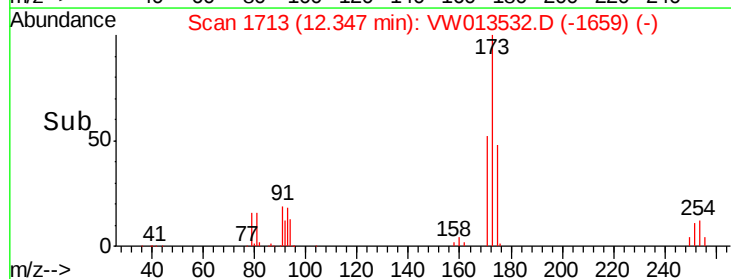
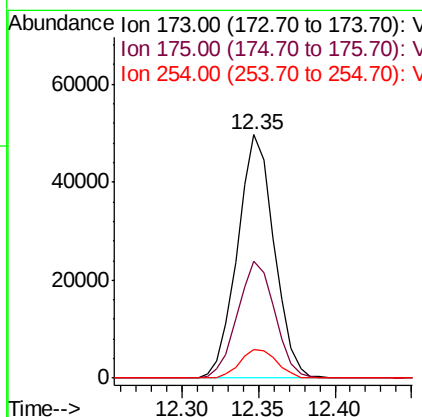
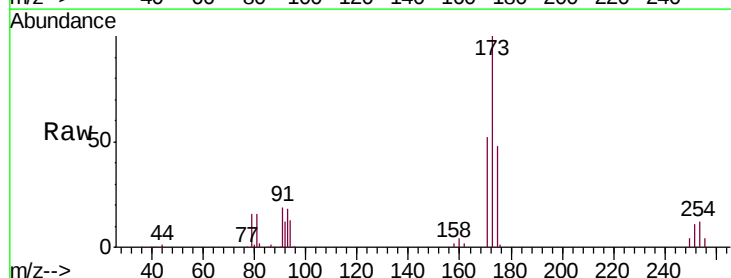
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

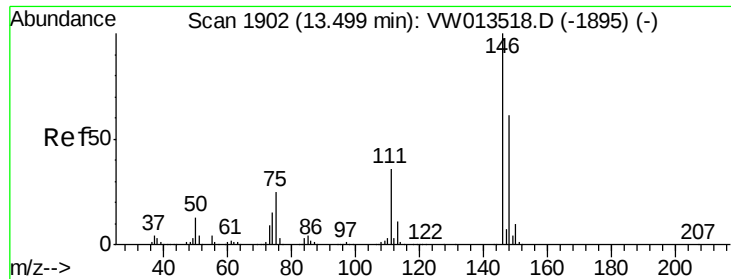
Tgt Ion: 75 Resp: 98209
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.5 38.3



#62
 Bromoform
 Concen: 25.065 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

Tgt Ion: 173 Resp: 82859
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 11.9 10.1 15.1

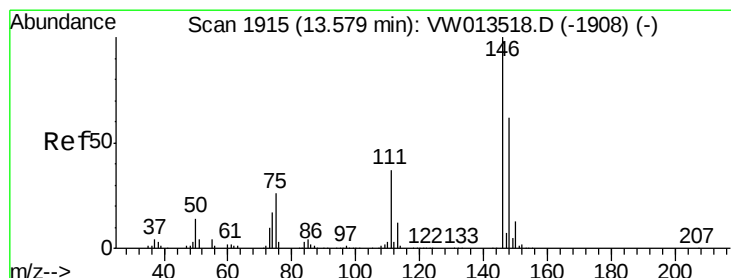
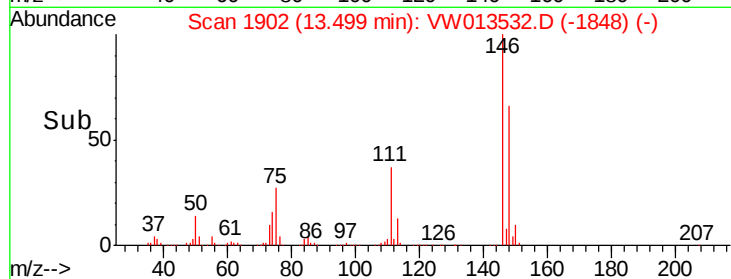
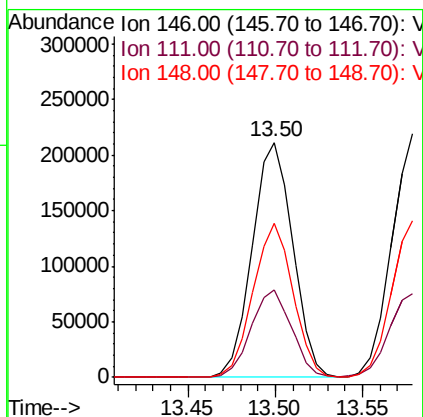
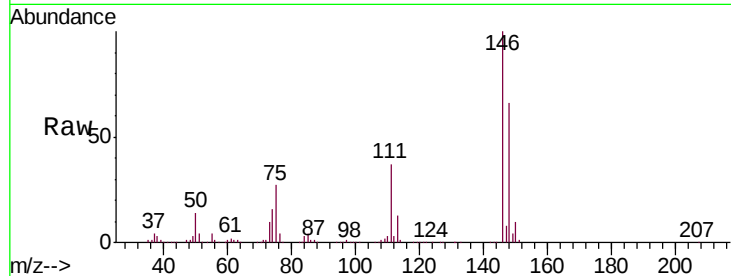




#63
 1,3-Dichlorobenzene
 Concen: 24.751 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

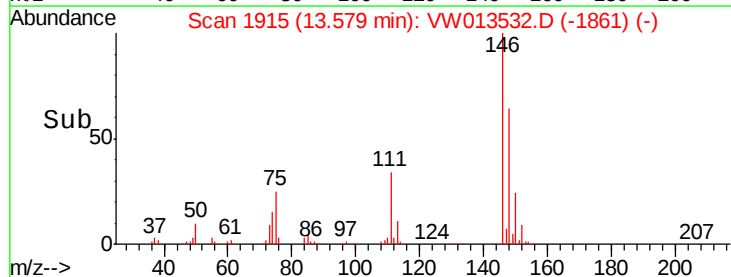
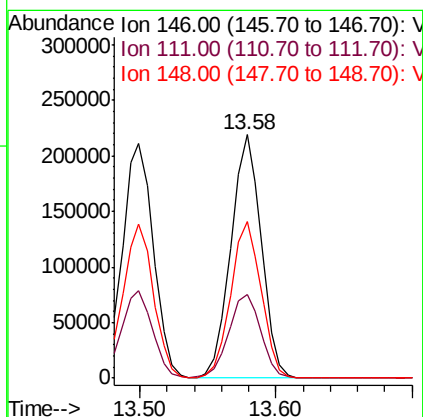
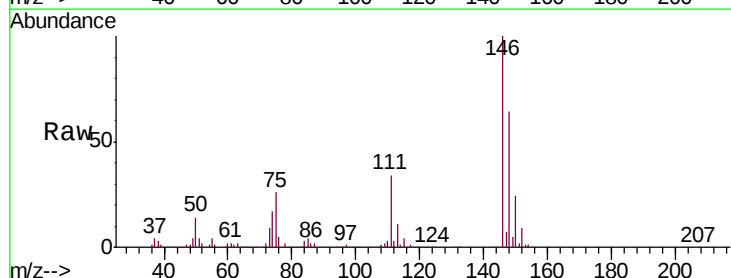
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

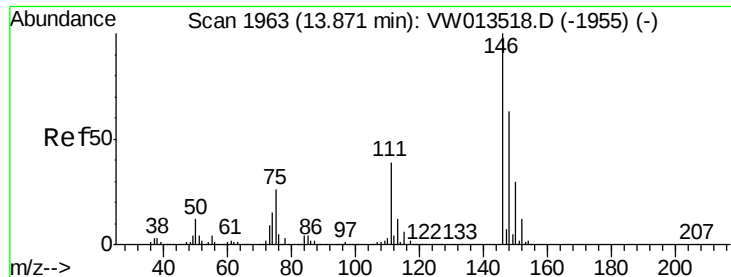
Tgt Ion:146 Resp: 340894
 Ion Ratio Lower Upper
 146 100
 111 37.1 25.3 46.9
 148 65.6 42.8 79.4



#64
 1,4-Dichlorobenzene
 Concen: 24.805 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

Tgt Ion:146 Resp: 340068
 Ion Ratio Lower Upper
 146 100
 111 34.4 25.8 47.8
 148 64.1 43.7 81.1

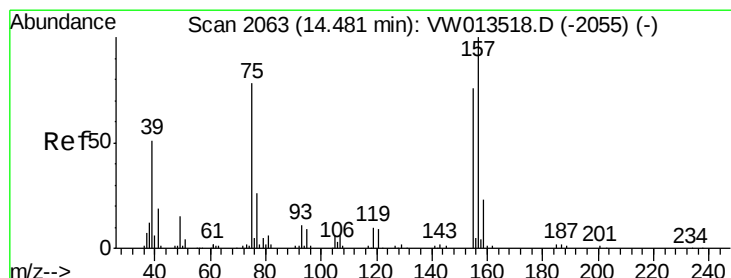
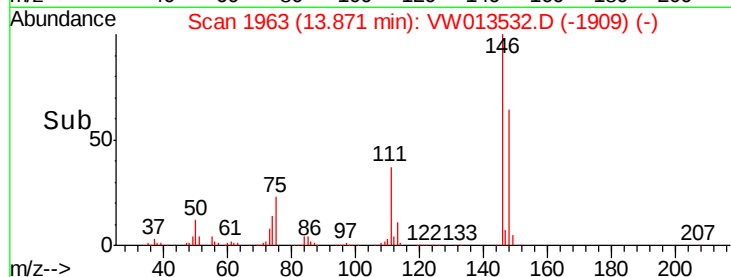
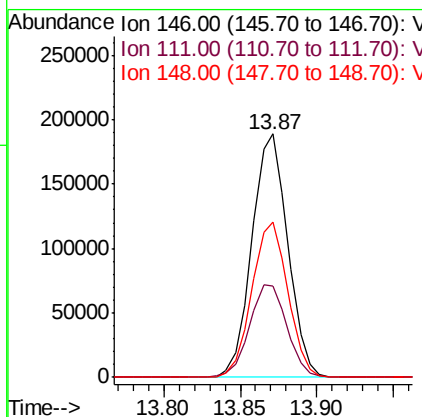
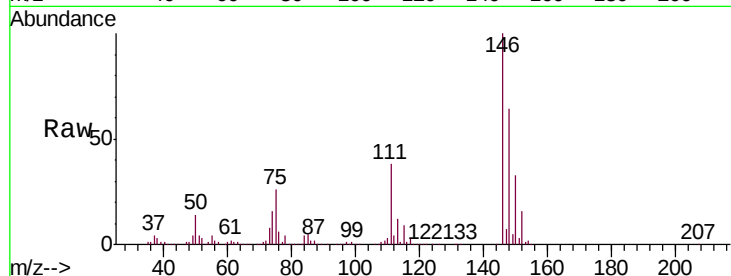




#65
 1,2-Dichlorobenzene
 Concen: 24.842 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

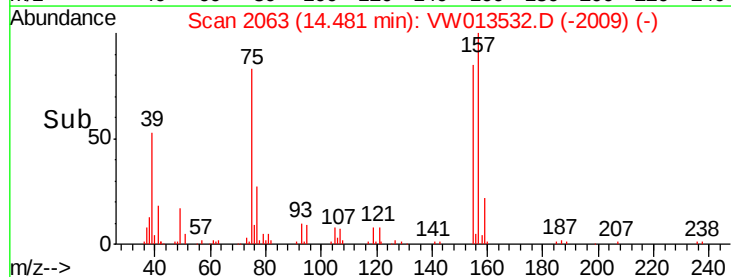
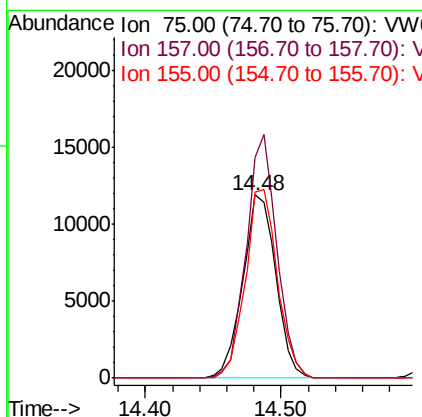
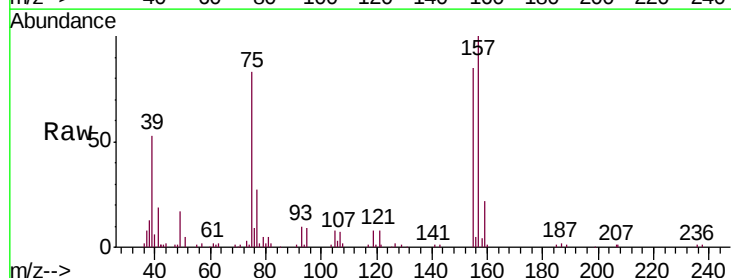
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

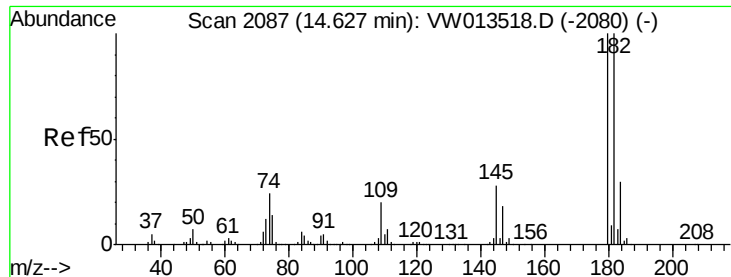
Tgt Ion:146 Resp: 307628
 Ion Ratio Lower Upper
 146 100
 111 37.6 31.0 46.4
 148 63.8 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.640 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

Tgt Ion: 75 Resp: 20210
 Ion Ratio Lower Upper
 75 100
 157 120.4 102.0 153.0
 155 101.9 77.6 116.4

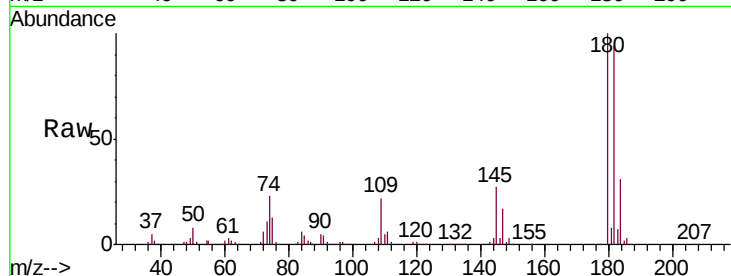




#67
 1,3,5-Trichlorobenzene
 Concen: 24.398 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.0	115.4
184	30.6	24.7	37.1
145	27.2	22.2	33.2



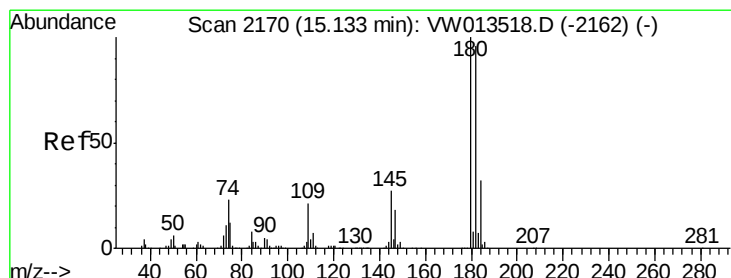
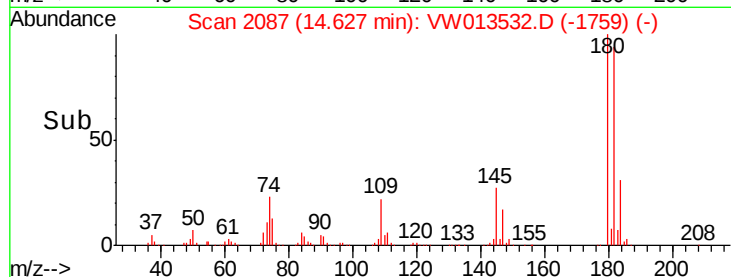
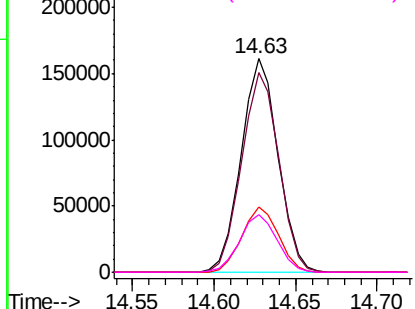
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

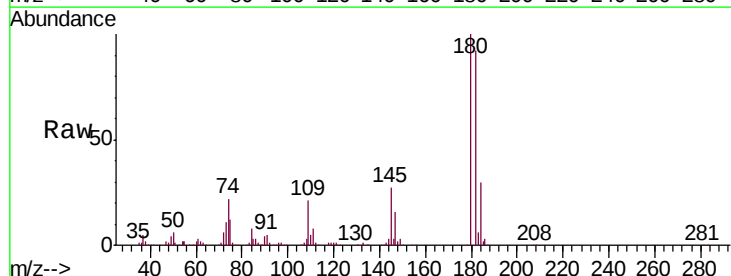
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.952 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013532.D
 Acq: 11 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.2	117.2
145	27.9	22.8	34.2

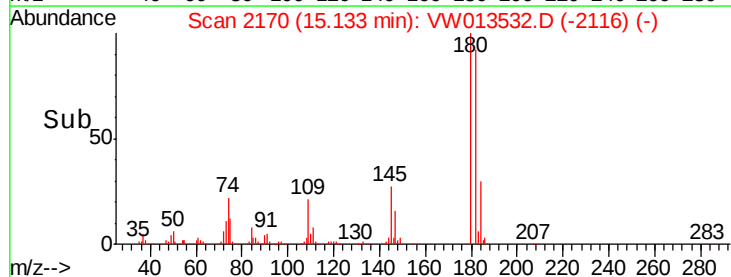
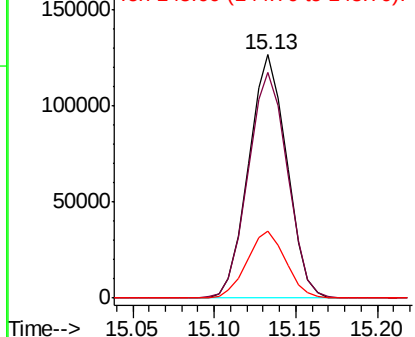


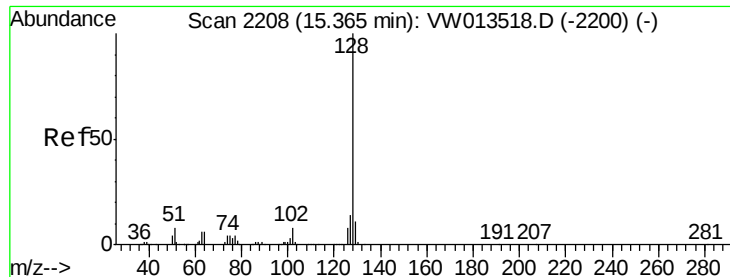
Abundance

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: 23.963 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

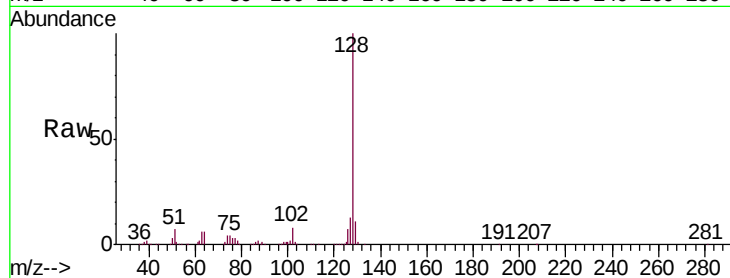
Tgt Ion:128 Resp: 376053

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

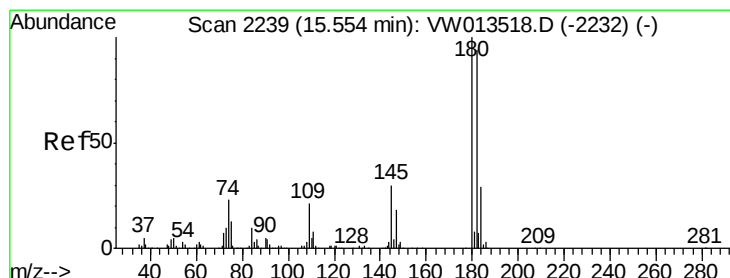
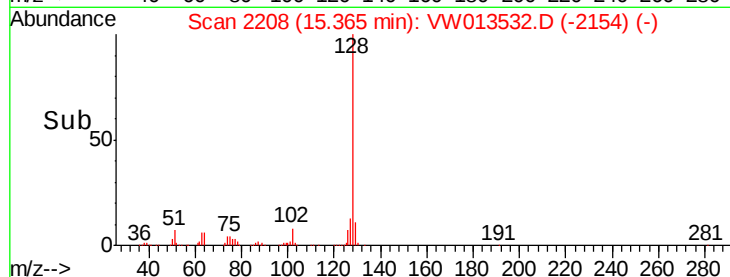
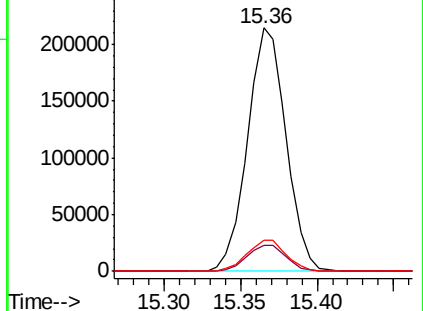
127 13.0 10.4 15.6



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: 23.855 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013532.D

Acq: 11 Oct 2019 10:31

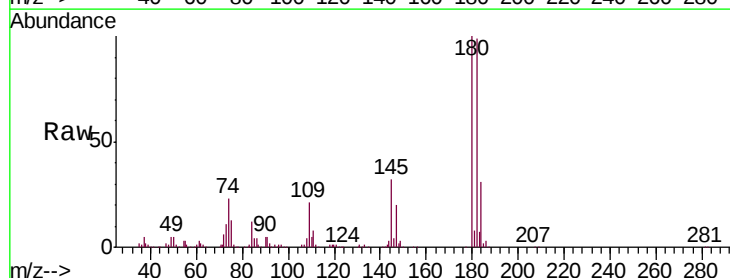
Tgt Ion:180 Resp: 183021

Ion Ratio Lower Upper

180 100

182 96.3 76.0 114.0

145 29.9 23.1 34.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

