

Data File : VW013928.D
Acq On : 07 Nov 2019 12:48
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB19

Quant Time: Nov 08 00:48:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 07 10:41:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	311716	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	301678	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	186664	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	92011	18.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.88%
7) Chloroethane-d5	2.89	69	80139	20.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.72%
10) 1,1-Dichloroethene-d2	4.03	63	211668	21.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.68%
20) 2-Butanone-d5	7.07	46	76886	44.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.10%
24) Chloroform-d	7.65	84	220769	22.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.92%
26) 1,2-Dichloroethane-d4	8.30	65	112701	21.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.28%
29) Benzene-d6	8.27	84	441469	21.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.40%
33) 1,2-Dichloropropane-d6	9.27	67	137311	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.76%
37) Toluene-d8	10.32	98	413725	21.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.32%
38) trans-1,3-Dichloropropene-	10.58	79	61554	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.16%
39) 2-Hexanone-d5	10.92	63	62685	45.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121934	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	167224	22.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	80169	23.928 ug/L	98
3) Chloromethane	2.21	50	83960	21.851 ug/L	99
5) Vinyl chloride	2.37	62	136788	24.924 ug/L	99
6) Bromomethane	2.78	94	86321	25.005 ug/L	100
8) Chloroethane	2.93	64	81492	26.156 ug/L	98
9) Trichlorofluoromethane	3.26	101	78558	28.099 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136805	25.498 ug/L	99
12) 1,1-Dichloroethene	4.04	96	136721	25.415 ug/L	86
13) Acetone	4.12	43	68942	40.558 ug/L	95
14) Carbon disulfide	4.38	76	399272	25.968 ug/L	100
15) Methyl Acetate	4.67	43	66827	22.704 ug/L	98
16) Methylene chloride	4.92	84	142143	24.388 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	180442	26.514 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	144217	25.723 ug/L	97
19) 1,1-Dichloroethane	6.21	63	246193	25.863 ug/L	98
21) 2-Butanone	7.16	43	97838	41.932 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	153721	26.072 ug/L	97

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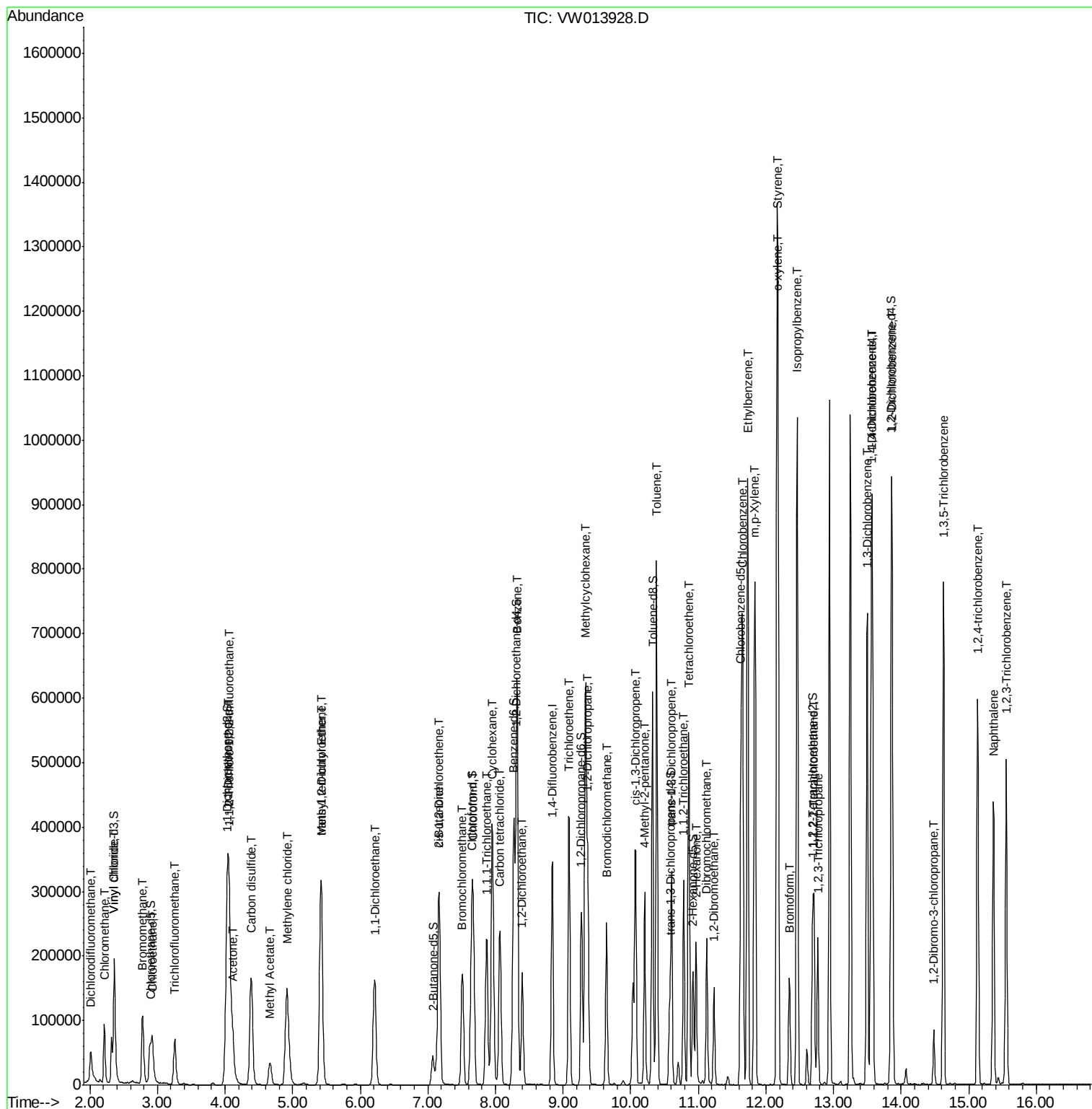
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68670	24.770	ug/L	94
25) Chloroform	7.67	83	242324	25.320	ug/L	99
27) 1,2-Dichloroethane	8.40	62	155449	24.558	ug/L	96
30) Cyclohexane	7.95	56	242438	26.631	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	196025	26.535	ug/L	99
32) Carbon tetrachloride	8.07	117	189852	26.280	ug/L	99
34) Benzene	8.32	78	570487	26.047	ug/L	100
35) Trichloroethene	9.09	95	147399	25.531	ug/L	98
36) Methylcyclohexane	9.33	83	267099	26.357	ug/L	99
40) 1,2-Dichloropropane	9.37	63	138905	25.840	ug/L	100
41) Bromodichloromethane	9.64	83	175496	25.969	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	221895	26.192	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	190305	46.031	ug/L	100
44) Toluene	10.38	91	623323	26.485	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	182341	26.048	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	105872	24.664	ug/L	99
47) Tetrachloroethene	10.86	164	133434	25.103	ug/L	99
49) 2-Hexanone	10.97	43	142693	46.982	ug/L	98
50) Dibromochloromethane	11.13	129	130298	26.149	ug/L	97
51) 1,2-Dibromoethane	11.23	107	105088	24.765	ug/L	99
52) Chlorobenzene	11.66	112	395199	26.038	ug/L	99
53) Ethylbenzene	11.73	91	688639	26.286	ug/L	99
54) m,p-Xylene	11.84	106	270056	26.748	ug/L	96
55) o-xylene	12.16	106	255047	26.725	ug/L	99
56) Styrene	12.18	104	440450	26.745	ug/L	97
57) Isopropylbenzene	12.46	105	694160	26.975	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	130452	24.131	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	96492	23.773	ug/L	99
62) Bromoform	12.35	173	82966	24.446	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	329681	25.504	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	330206	25.483	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	296809	25.393	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21065	22.497	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	259328	26.636	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	215992	27.402	ug/L	95
69) Naphthalene	15.36	128	395119	26.422	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	196312	27.027	ug/L	99

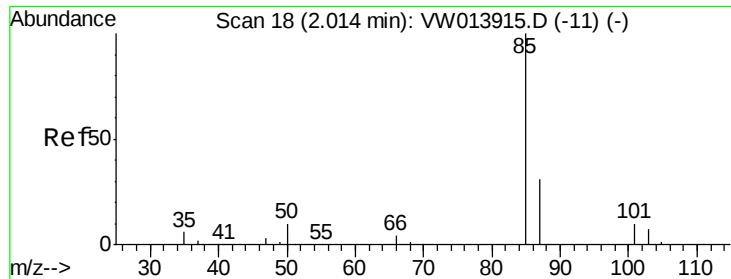
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.928 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

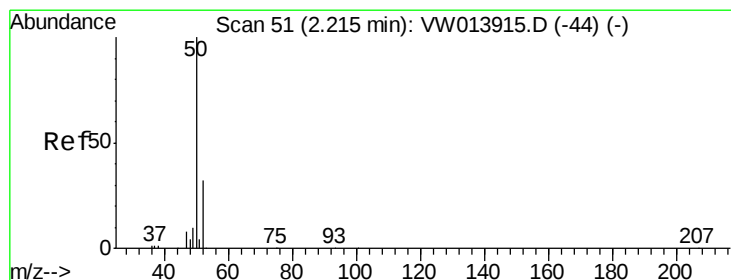
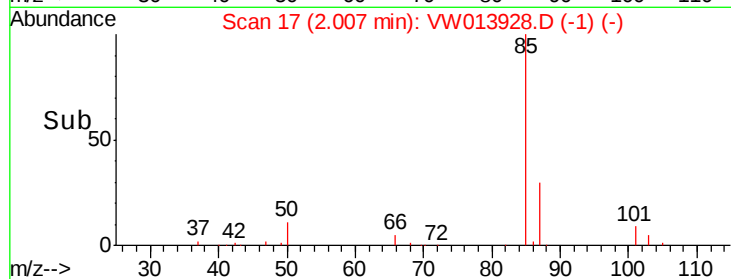
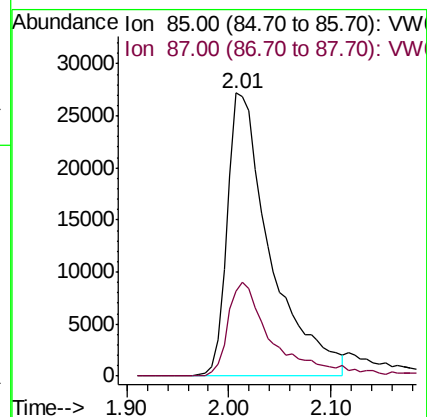
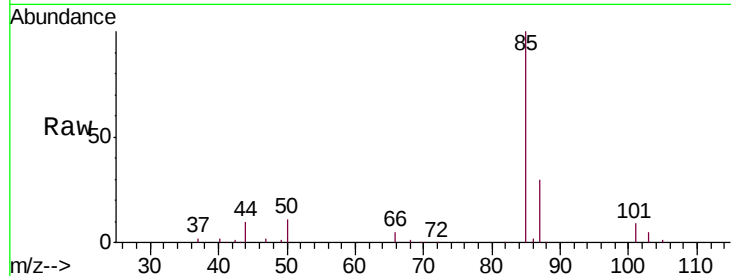
BFB19

Tgt Ion: 85 Resp: 80169

Ion Ratio Lower Upper

85 100

87 29.7 21.6 40.2



#3

Chloromethane

Concen: 21.851 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013928.D

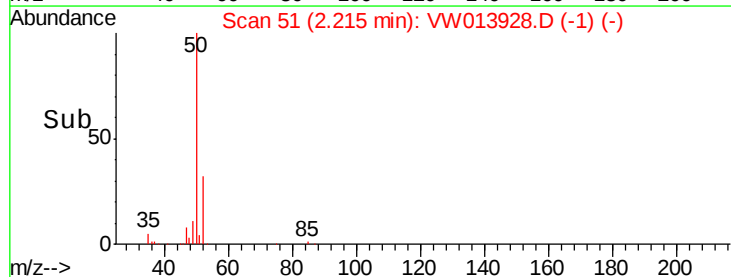
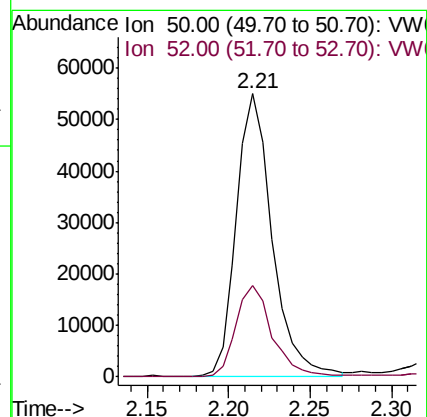
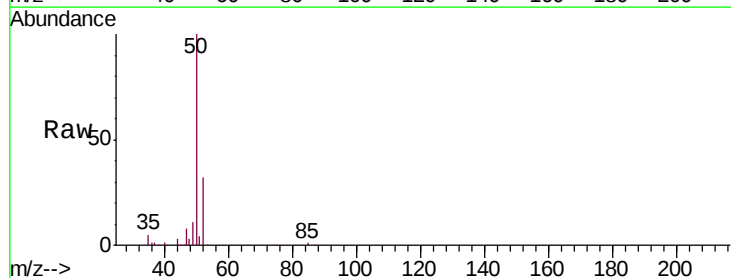
Acq: 07 Nov 2019 12:48

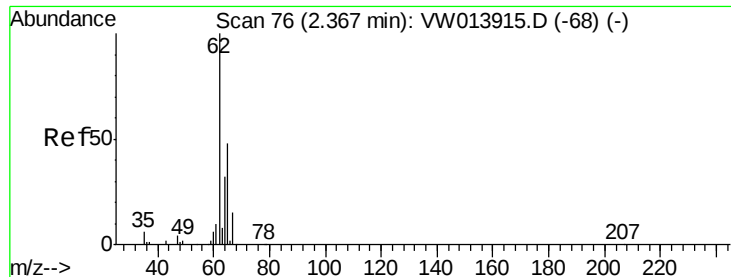
Tgt Ion: 50 Resp: 83960

Ion Ratio Lower Upper

50 100

52 32.1 23.0 42.6





#5

Vinyl chloride

Concen: 24.924 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

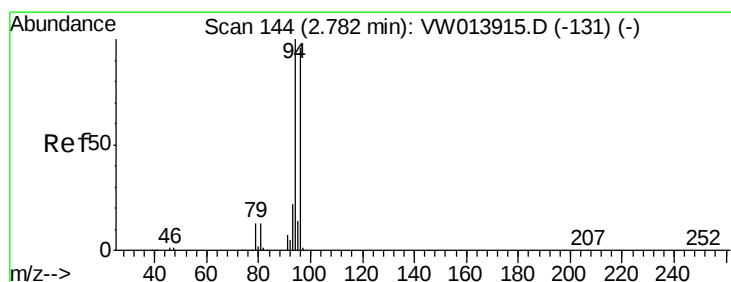
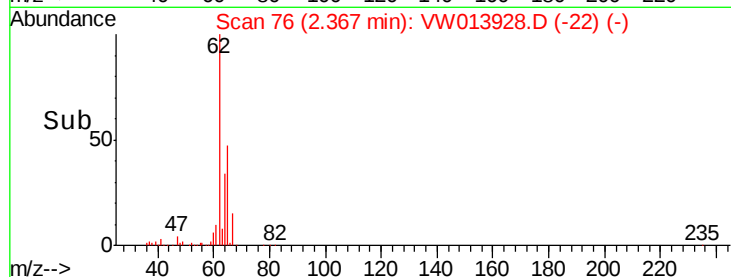
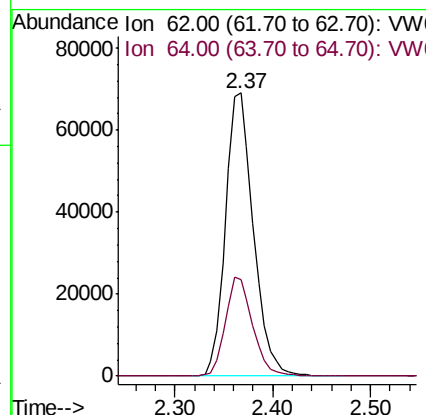
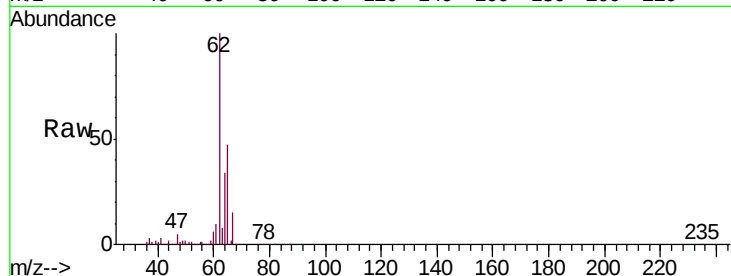
BFB19

Tgt Ion: 62 Resp: 136788

Ion Ratio Lower Upper

62 100

64 34.0 23.3 43.3



#6

Bromomethane

Concen: 25.005 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013928.D

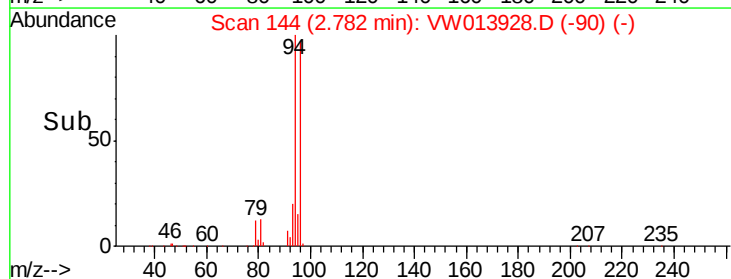
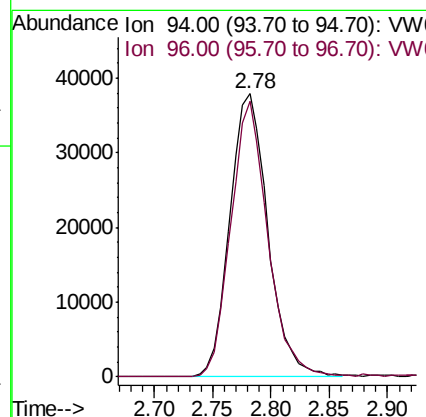
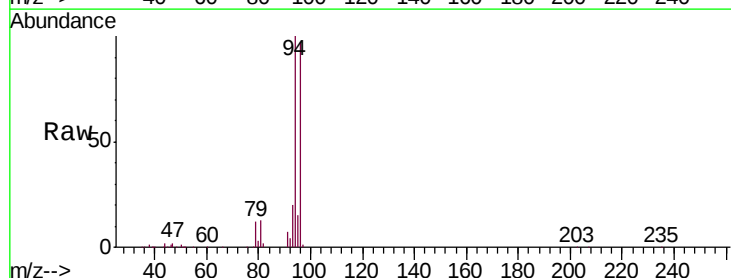
Acq: 07 Nov 2019 12:48

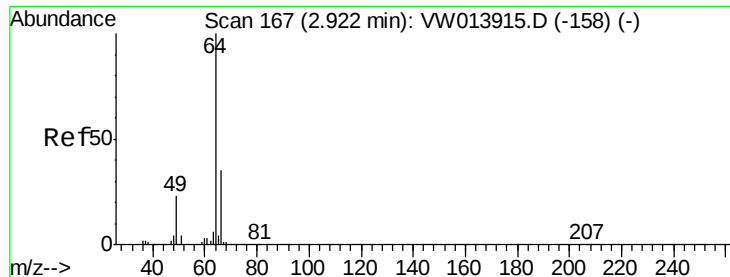
Tgt Ion: 94 Resp: 86321

Ion Ratio Lower Upper

94 100

96 94.4 9.5 179.7





#8

Chloroethane

Concen: 26.156 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

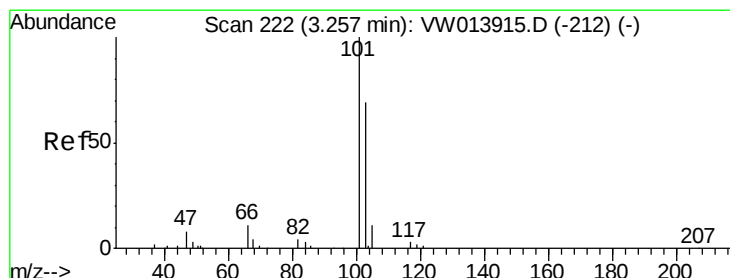
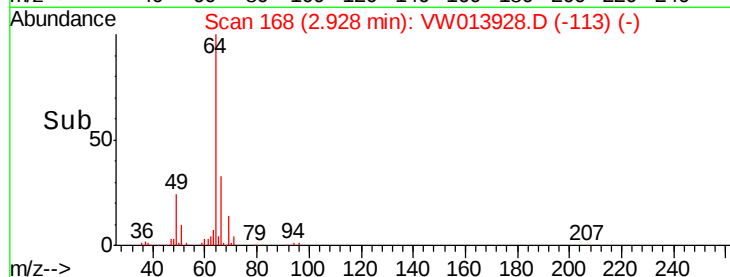
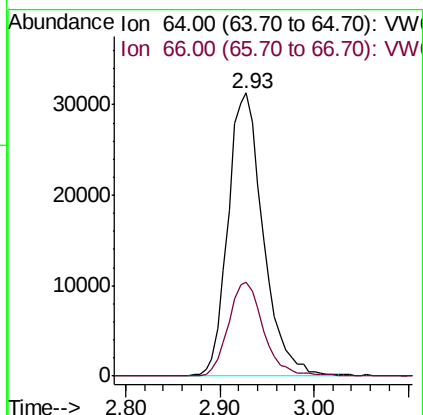
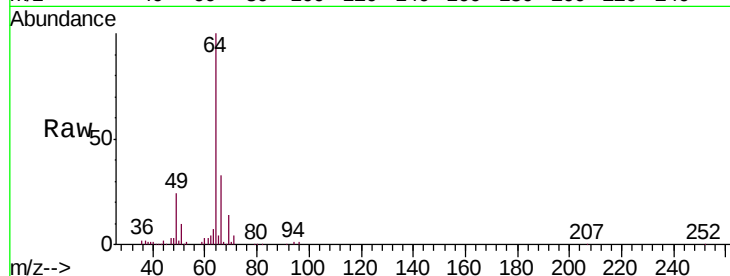
BFB19

Tgt Ion: 64 Resp: 81492

Ion Ratio Lower Upper

64 100

66 33.3 24.1 44.7



#9

Trichlorofluoromethane

Concen: 28.099 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013928.D

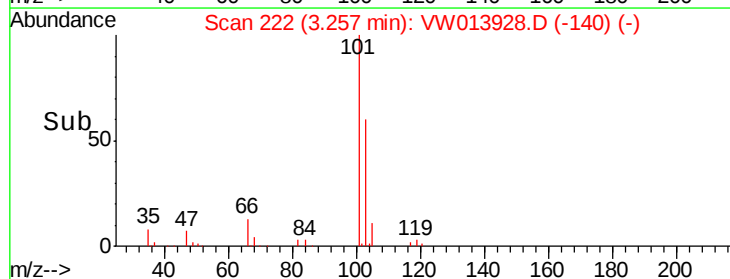
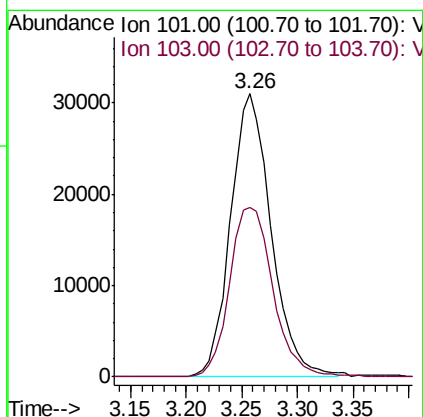
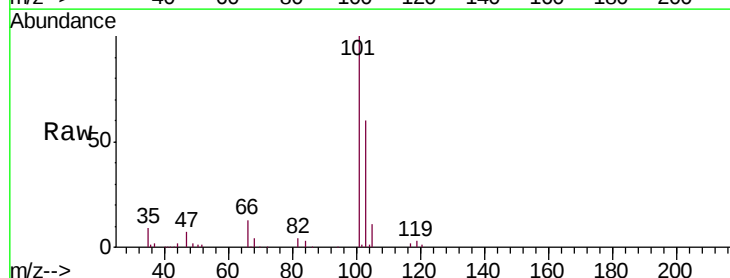
Acq: 07 Nov 2019 12:48

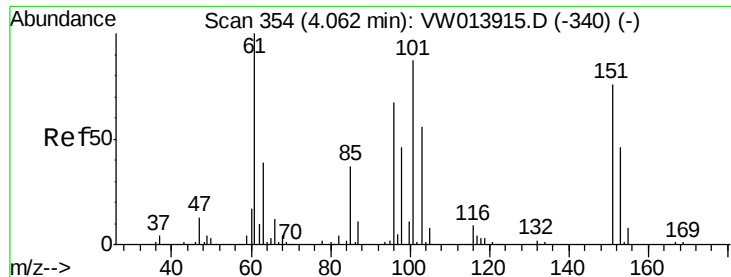
Tgt Ion: 101 Resp: 78558

Ion Ratio Lower Upper

101 100

103 64.0 44.9 83.3





#11

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

Concen: 25.498 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

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Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

BFB19

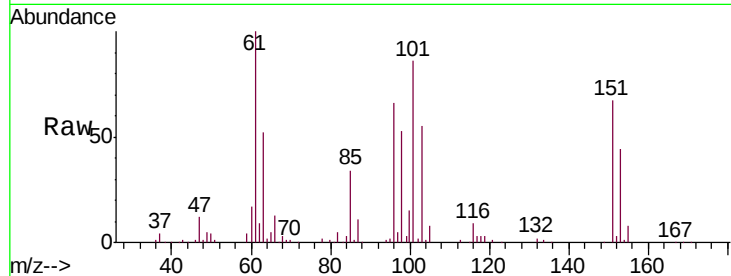
Tgt Ion: 101 Resp: 136805

Ion Ratio Lower Upper

101 100

85 39.7 30.9 46.3

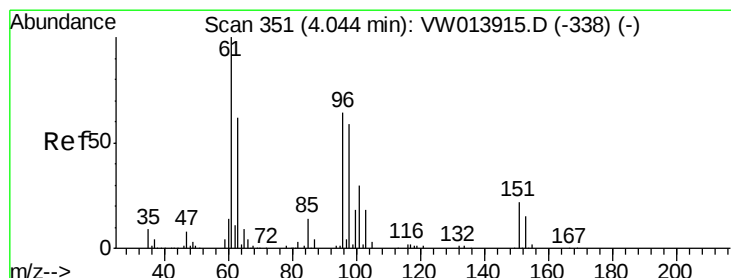
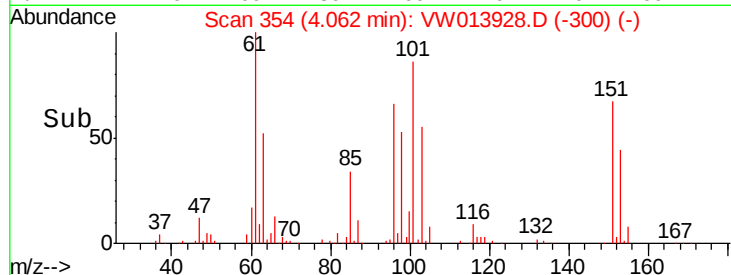
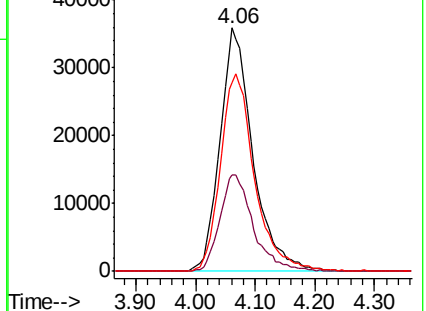
151 83.7 66.3 99.5



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: 25.415 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

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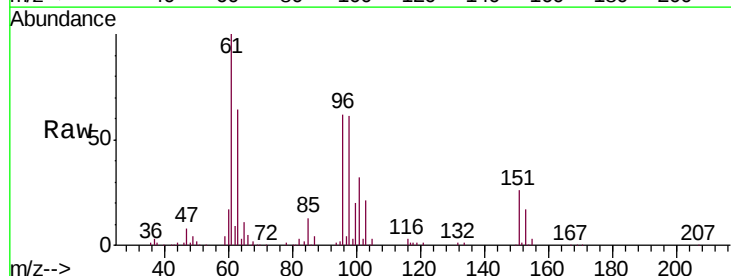
Tgt Ion: 96 Resp: 136721

Ion Ratio Lower Upper

96 100

61 162.0 115.1 213.8

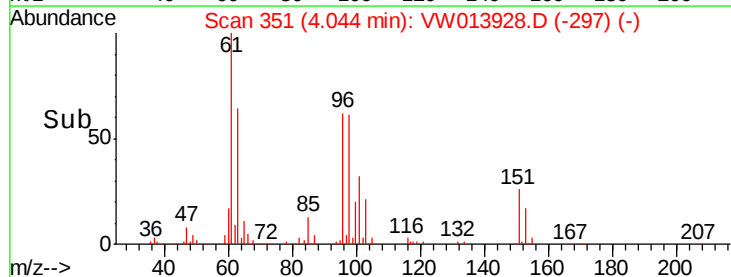
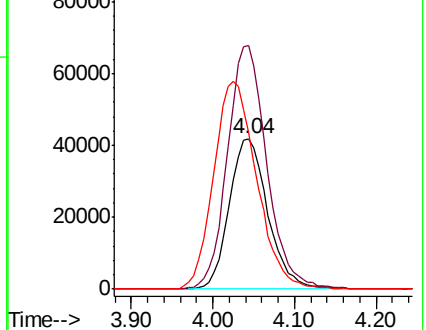
63 104.1 97.4 180.8

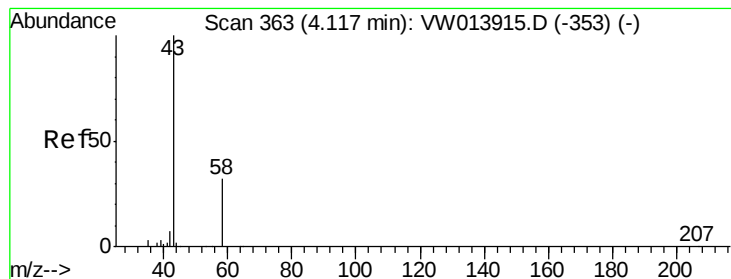


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.558 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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ClientSampled :

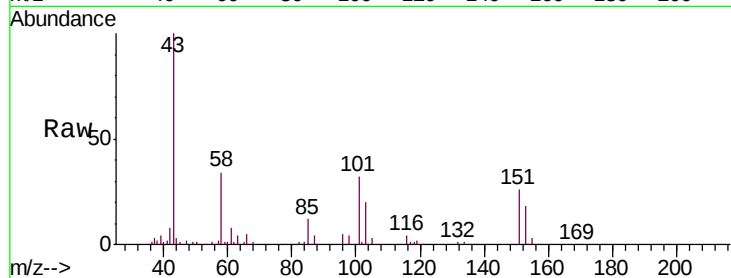
BFB19

Tgt Ion: 43 Resp: 68942

Ion Ratio Lower Upper

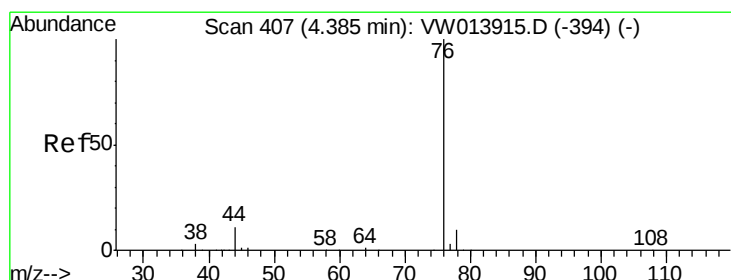
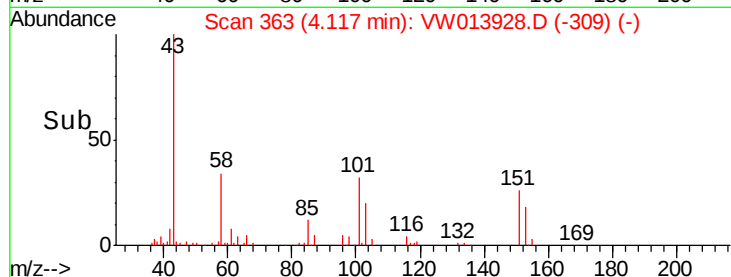
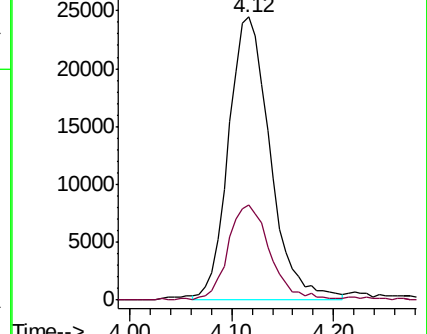
43 100

58 34.0 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.968 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

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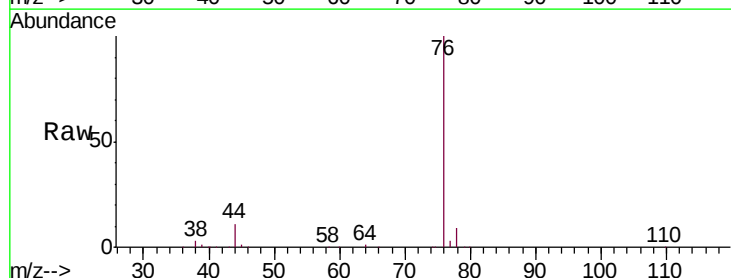
Acq: 07 Nov 2019 12:48

Tgt Ion: 76 Resp: 399272

Ion Ratio Lower Upper

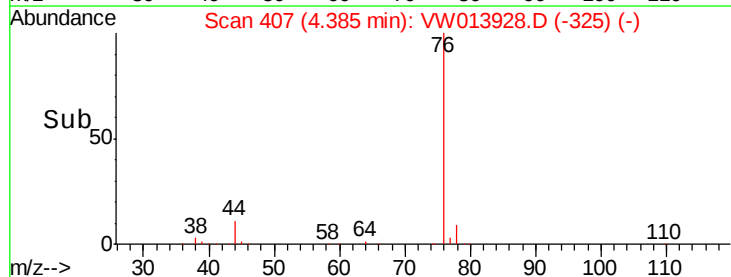
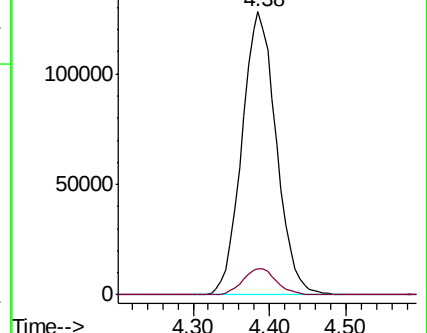
76 100

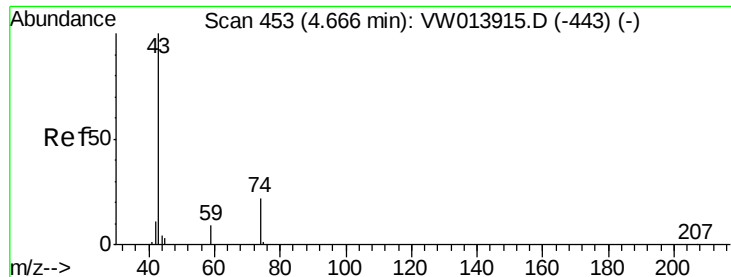
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

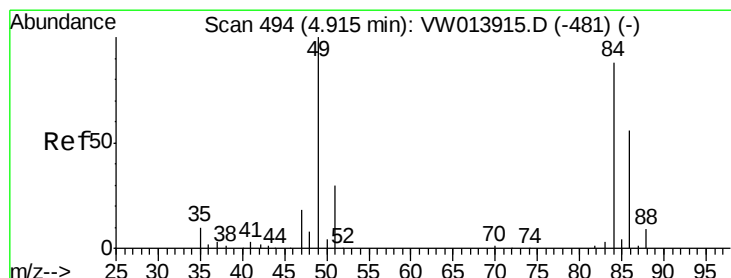
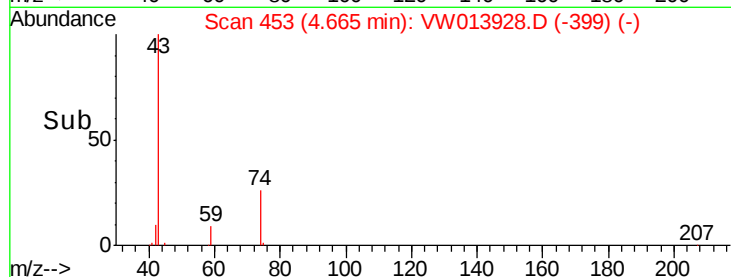
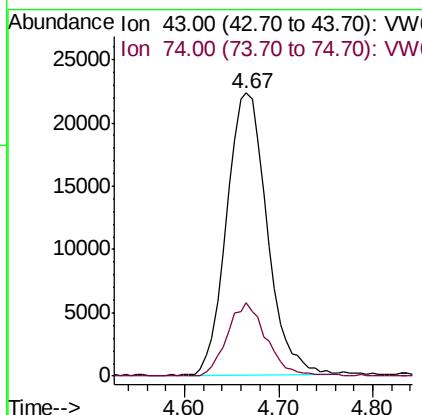
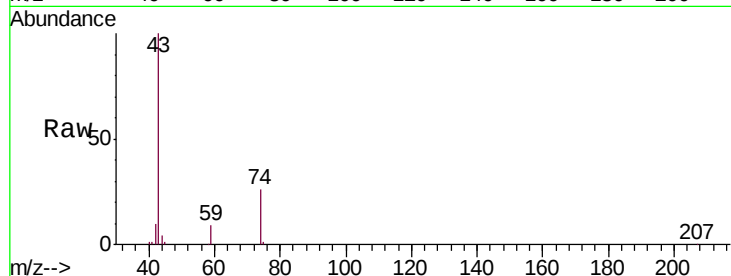




#15
Methyl Acetate
Concen: 22.704 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

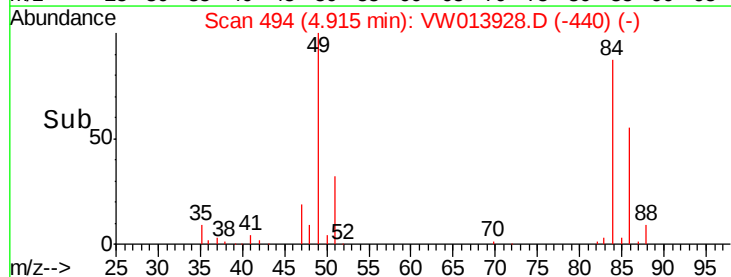
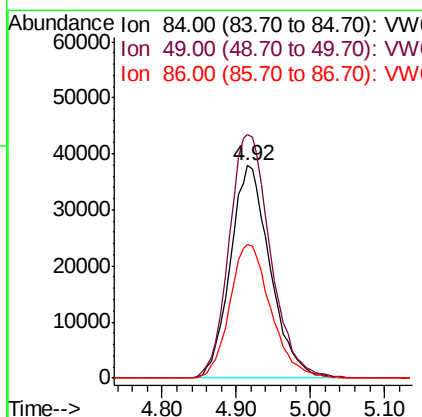
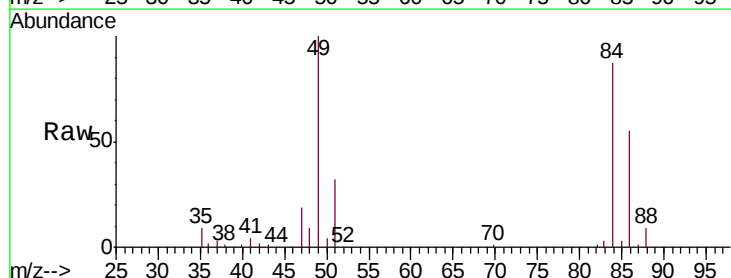
Instrument :
MSVOA_W
ClientSampleId :
BFB19

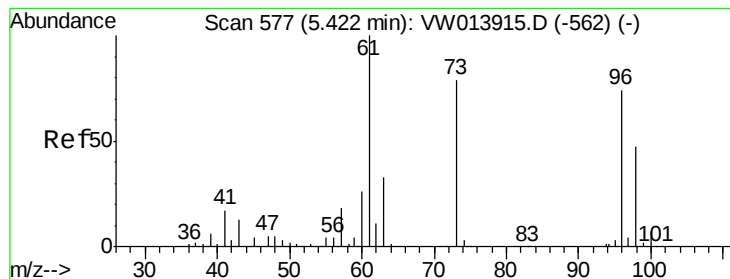
Tgt Ion: 43 Resp: 66827
Ion Ratio Lower Upper
43 100
74 24.9 19.1 28.7



#16
Methylene chloride
Concen: 24.388 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

Tgt Ion: 84 Resp: 142143
Ion Ratio Lower Upper
84 100
49 114.7 79.7 148.1
86 62.9 46.4 86.2





#17

Methyl tert-butyl Ether

Concen: 26.514 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

BFB19

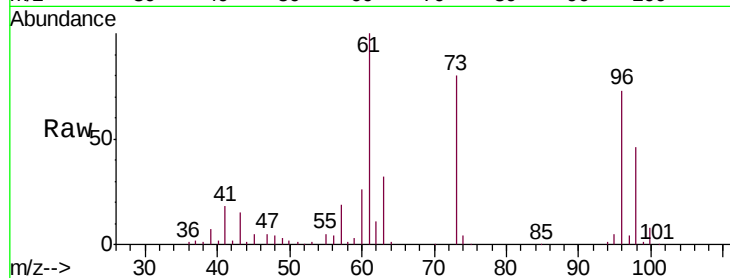
Tgt Ion: 73 Resp: 180442

Ion Ratio Lower Upper

73 100

43 18.9 14.4 21.6

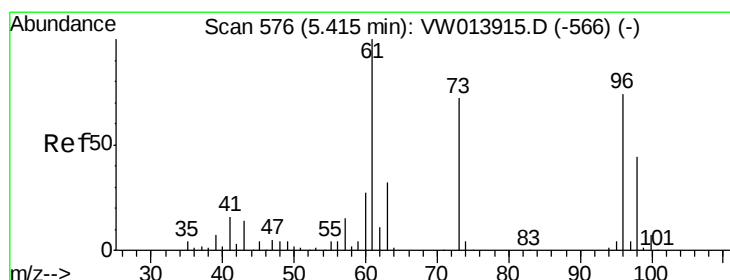
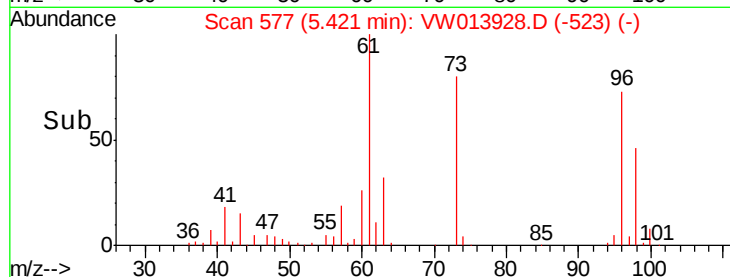
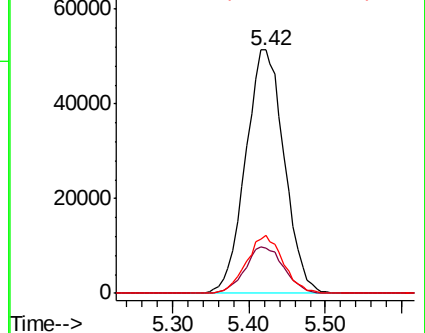
57 22.6 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 25.723 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

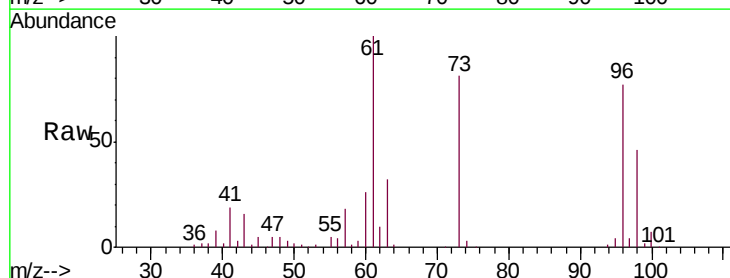
Tgt Ion: 96 Resp: 144217

Ion Ratio Lower Upper

96 100

61 130.0 92.6 172.0

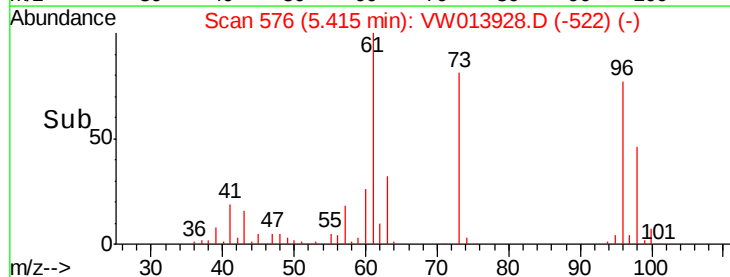
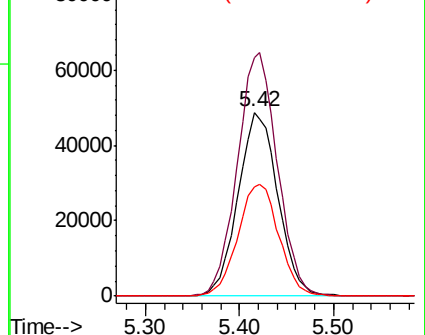
98 59.3 43.8 81.3

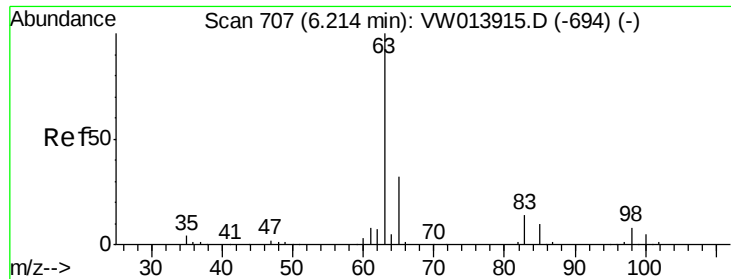


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

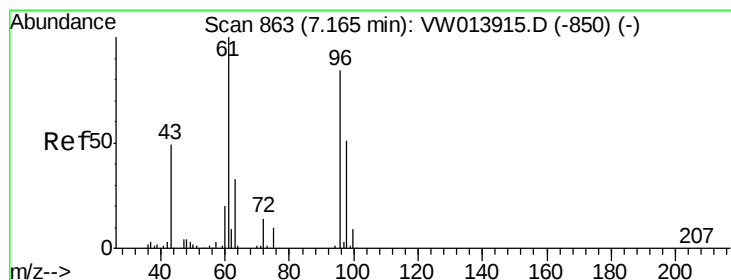
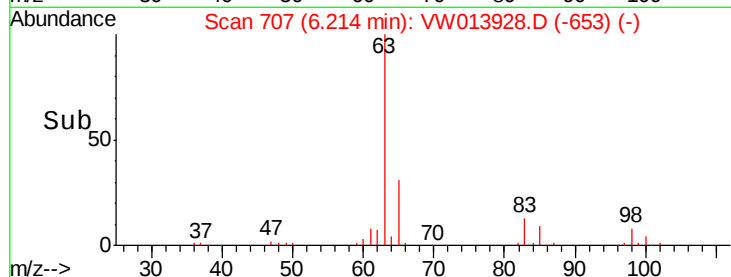
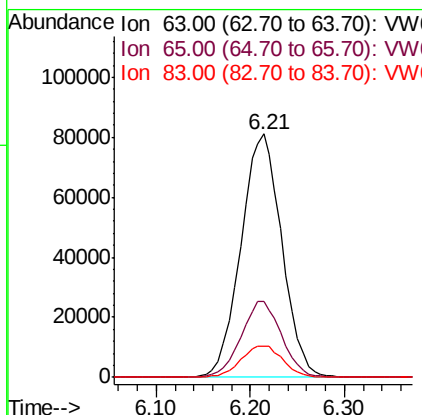
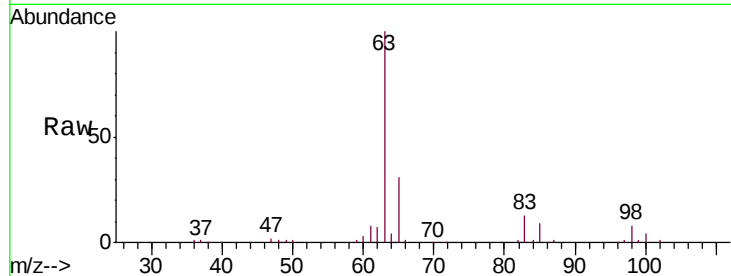




#19
 1,1-Dichloroethane
 Concen: 25.863 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

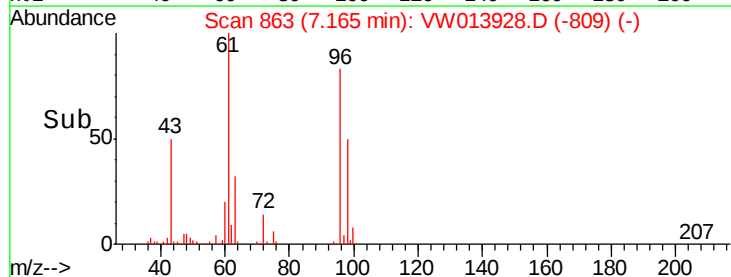
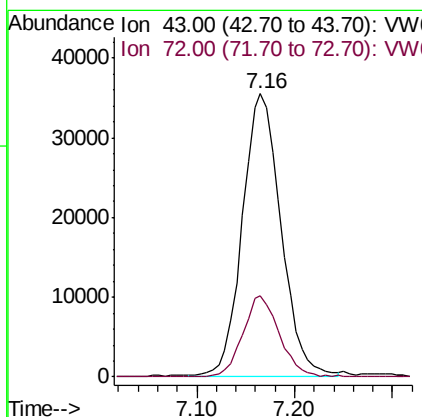
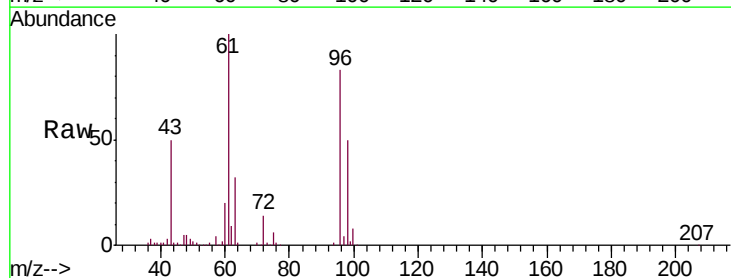
Instrument :
 MSVOA_W
 ClientSampled :
 BFB19

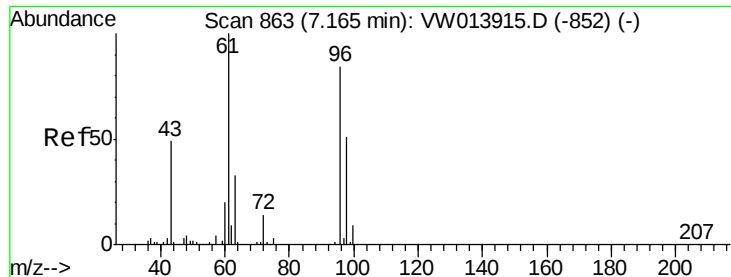
Tgt Ion: 63 Resp: 246193
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.3 41.5
 83 12.8 10.1 18.7



#21
 2-Butanone
 Concen: 41.932 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

Tgt Ion: 43 Resp: 97838
 Ion Ratio Lower Upper
 43 100
 72 26.8 13.6 40.8



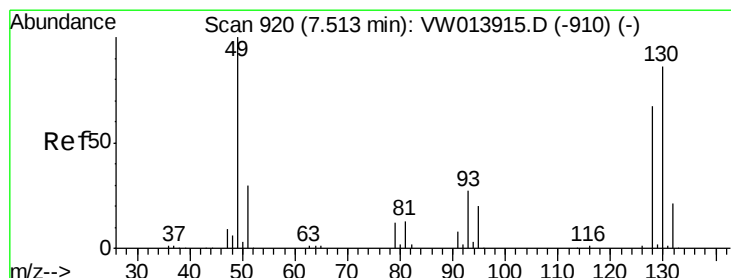
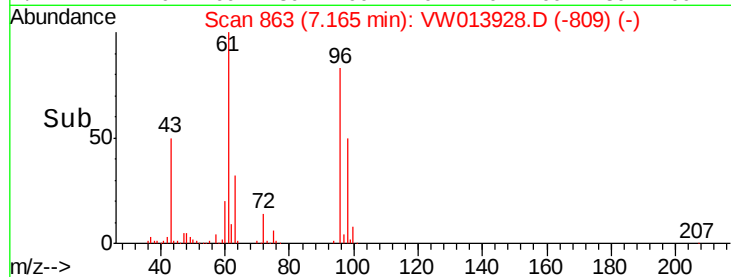
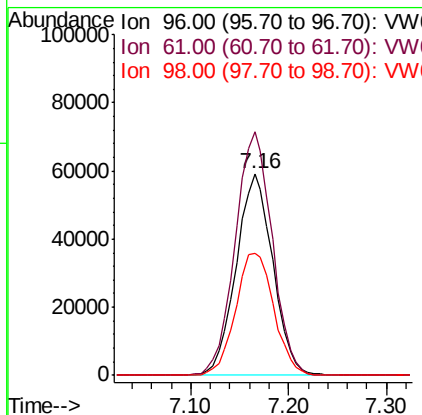
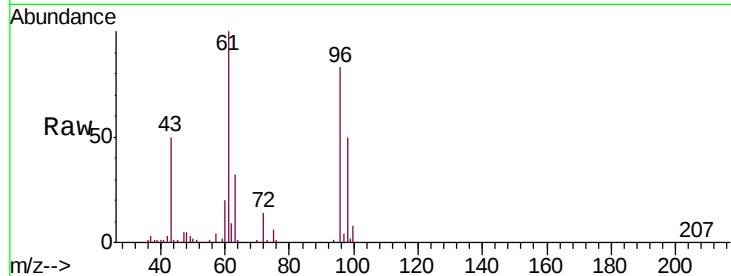


#22

cis-1,2-Dichloroethene
Concen: 26.072 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
BFB19

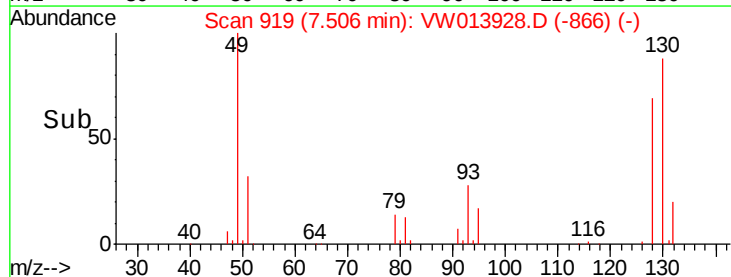
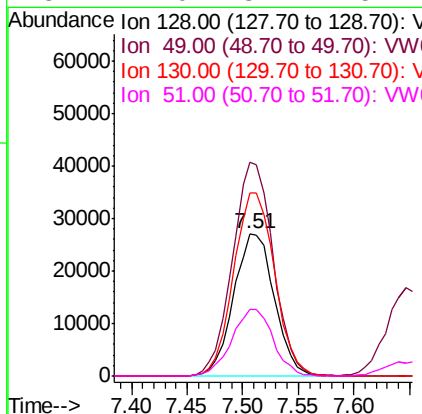
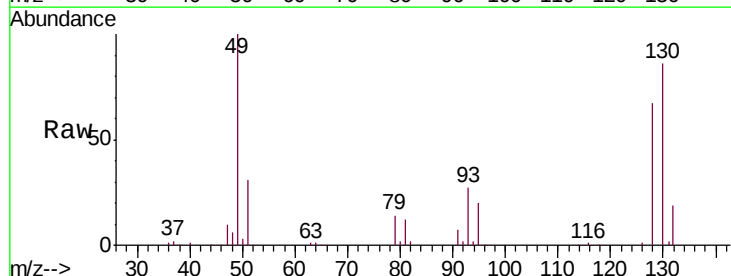
Tgt Ion: 96 Resp: 153721
Ion Ratio Lower Upper
96 100
61 120.8 82.3 152.9
98 60.7 44.0 81.8

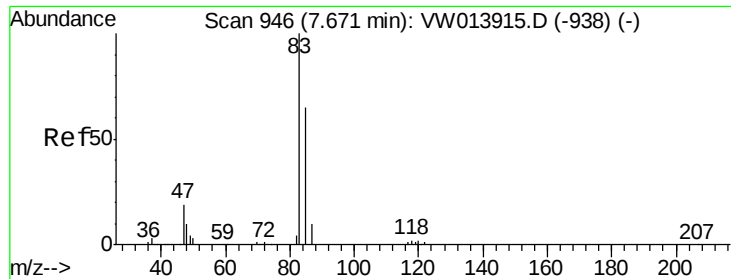


#23

Bromochloromethane
Concen: 24.770 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

Tgt Ion: 128 Resp: 68670
Ion Ratio Lower Upper
128 100
49 150.0 98.7 183.3
130 128.4 86.8 161.2
51 47.0 34.2 51.2





#25

Chloroform

Concen: 25.320 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

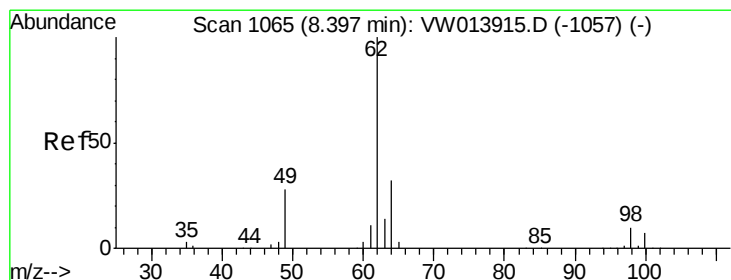
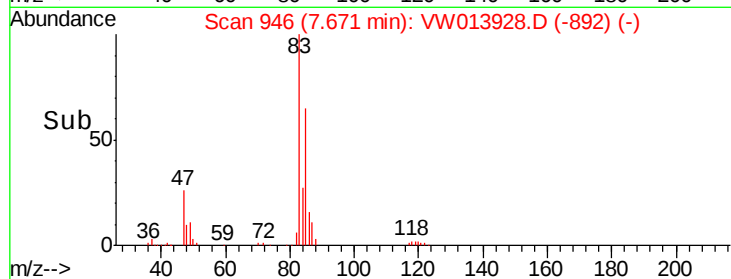
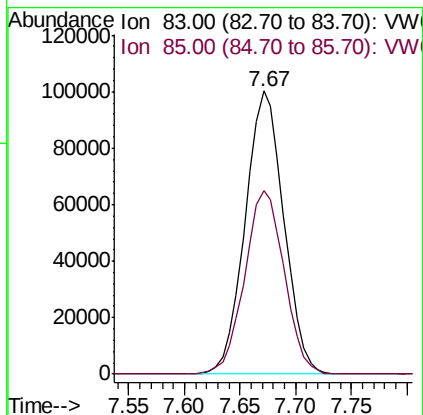
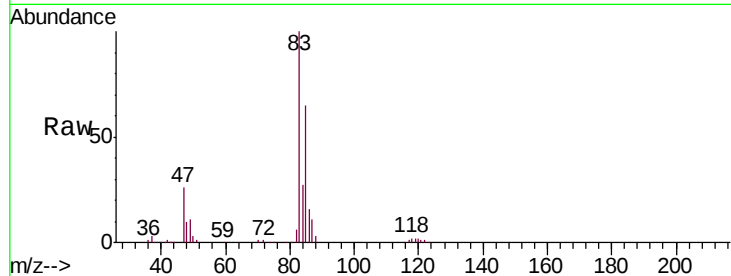
BFB19

Tgt Ion: 83 Resp: 242324

Ion Ratio Lower Upper

83 100

85 66.4 46.9 87.1



#27

1,2-Dichloroethane

Concen: 24.558 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013928.D

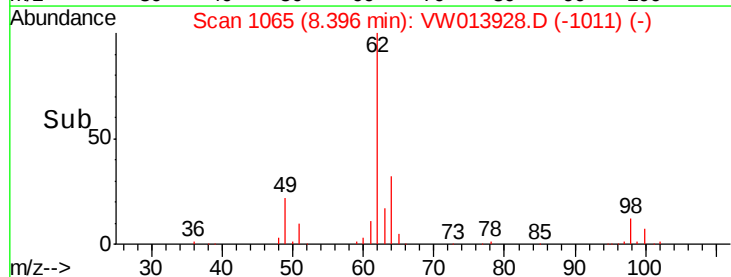
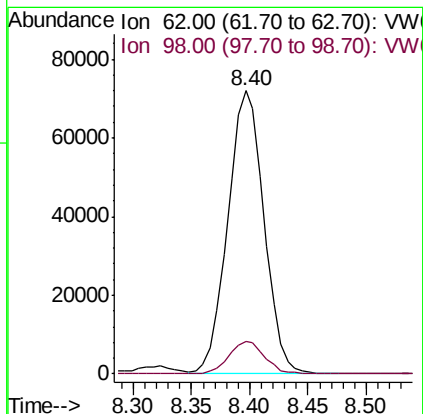
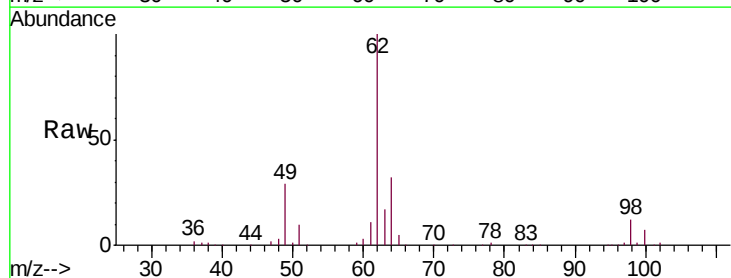
Acq: 07 Nov 2019 12:48

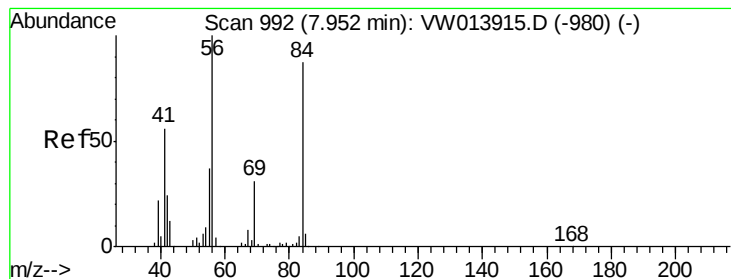
Tgt Ion: 62 Resp: 155449

Ion Ratio Lower Upper

62 100

98 11.6 8.2 12.2





#30

Cyclohexane

Concen: 26.631 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

BFB19

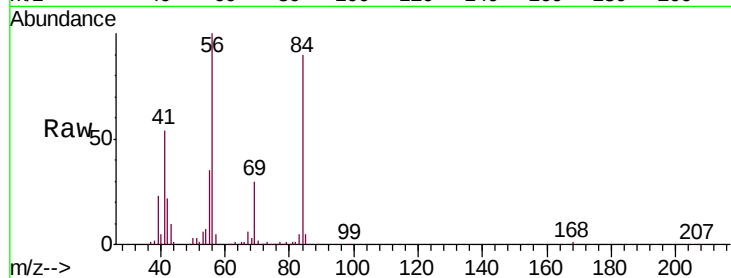
Tgt Ion: 56 Resp: 242438

Ion Ratio Lower Upper

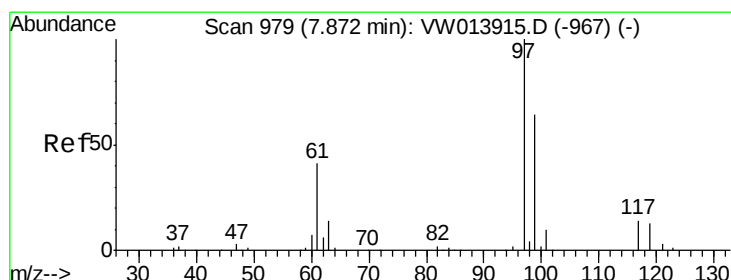
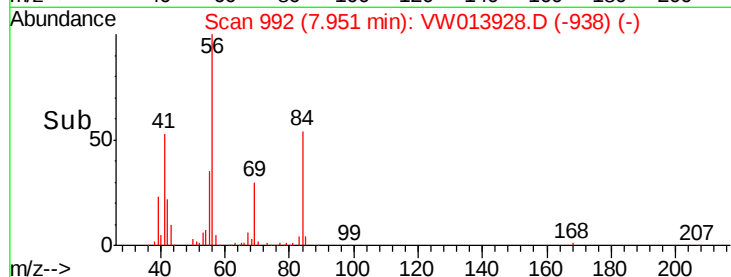
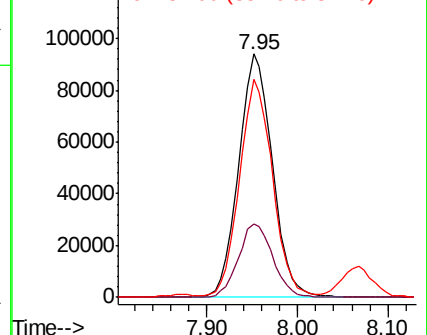
56 100

69 30.7 24.5 36.7

84 88.2 70.6 105.8



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: 26.535 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

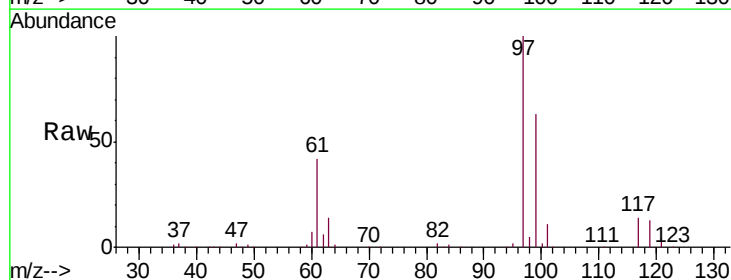
Tgt Ion: 97 Resp: 196025

Ion Ratio Lower Upper

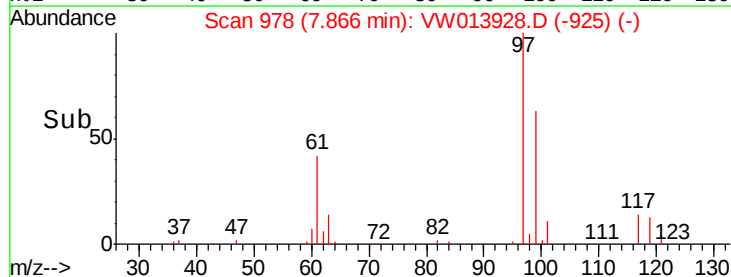
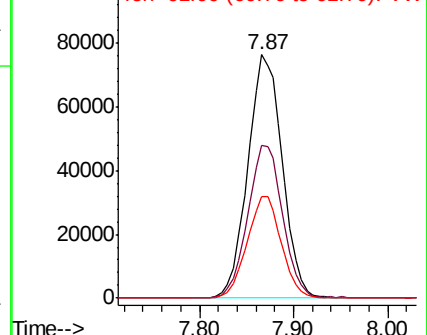
97 100

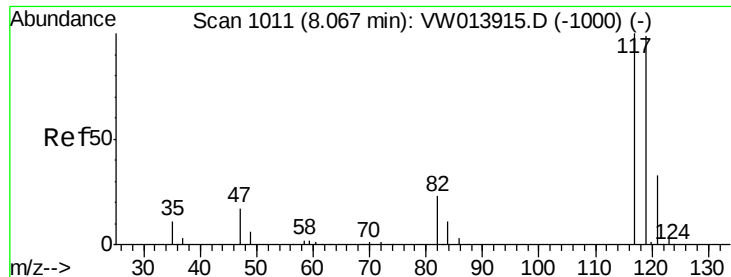
99 63.5 52.0 78.0

61 41.5 33.6 50.4



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: 26.280 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

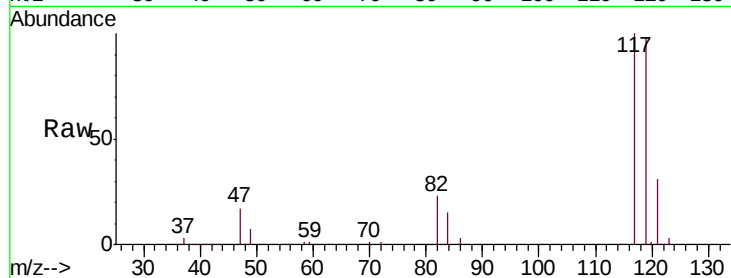
BFB19

Tgt Ion:117 Resp: 189852

Ion Ratio Lower Upper

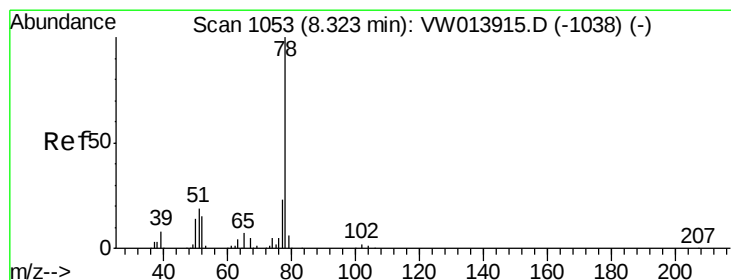
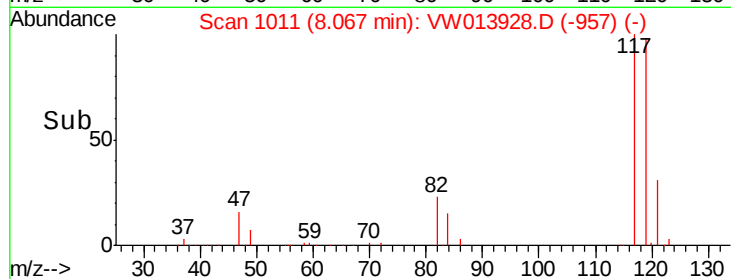
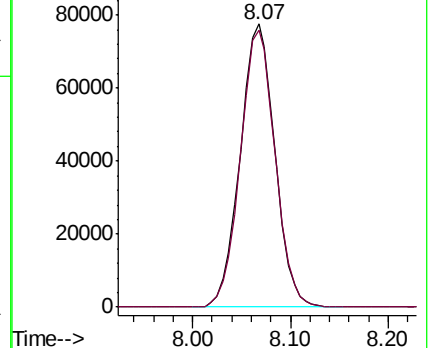
117 100

119 98.1 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.047 ug/L

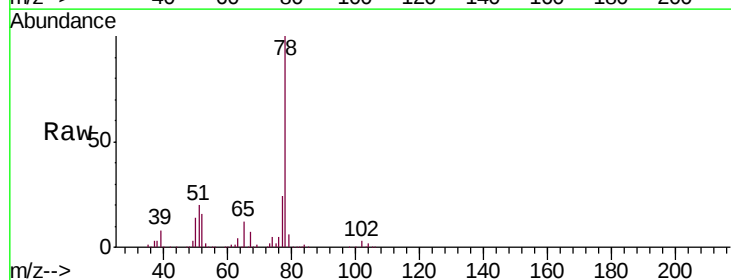
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

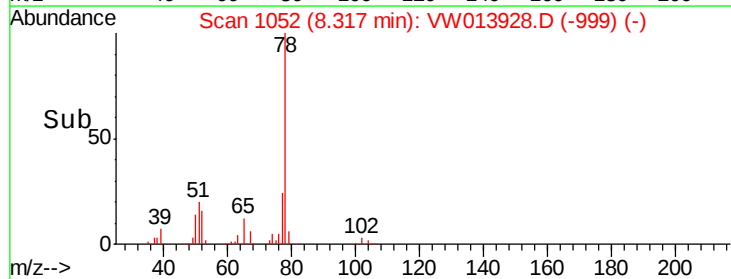
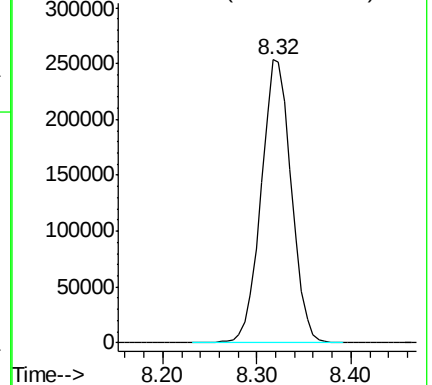
Lab File: VW013928.D

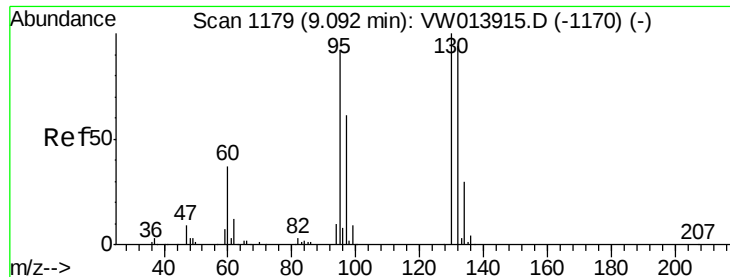
Acq: 07 Nov 2019 12:48

Tgt Ion: 78 Resp: 570487



Abundance Ion 78.00 (77.70 to 78.70): VW

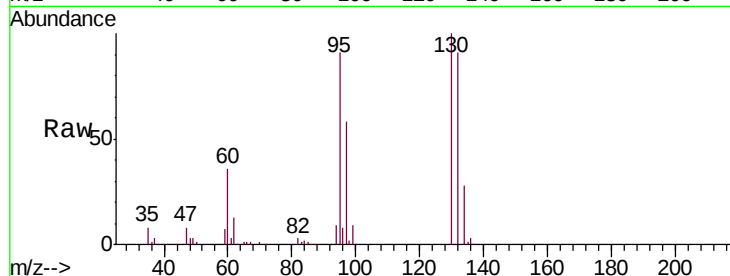




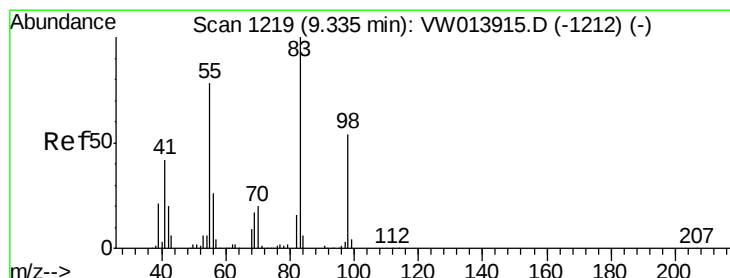
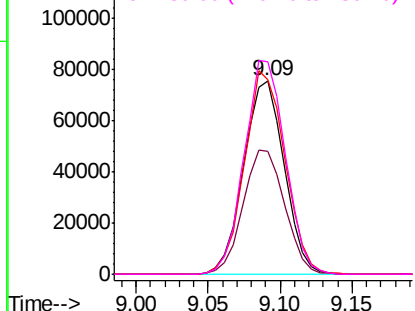
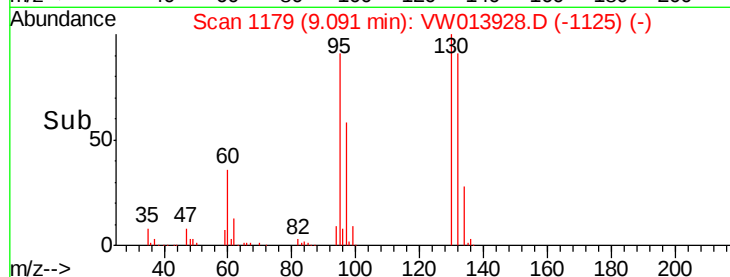
#35
 Trichloroethene
 Concen: 25.531 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB19

Tgt Ion:	95	Resp:	147399
Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.9	83.5
132	105.0	73.3	136.1
130	111.6	75.5	140.1

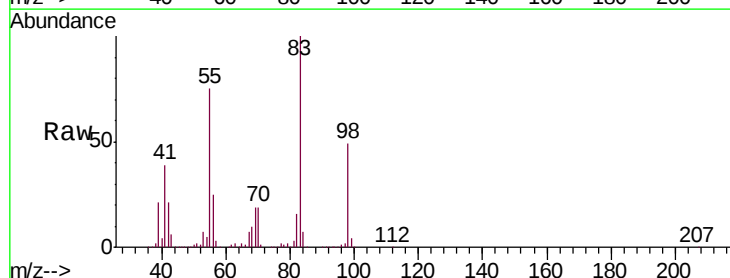


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

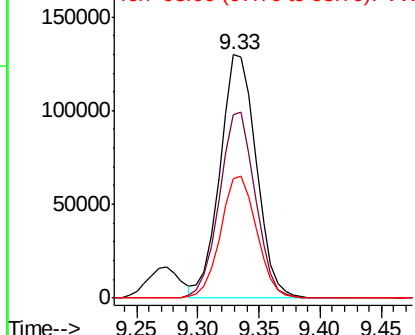
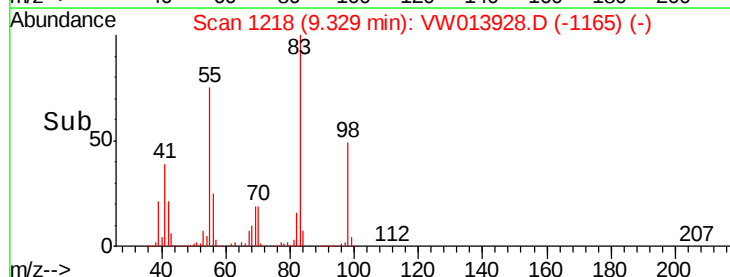


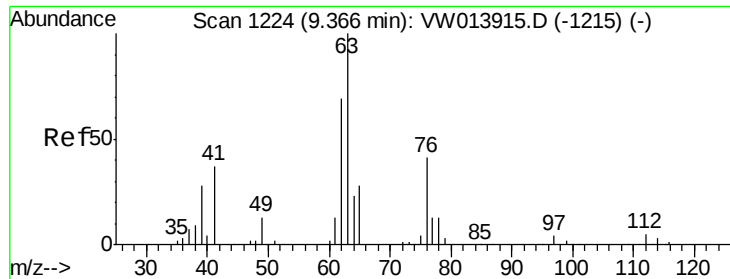
#36
 Methylcyclohexane
 Concen: 26.357 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

Tgt Ion:	83	Resp:	267099
Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.2	90.2
98	50.0	39.2	58.8



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

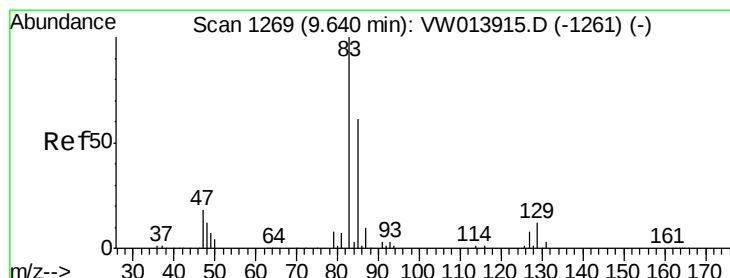
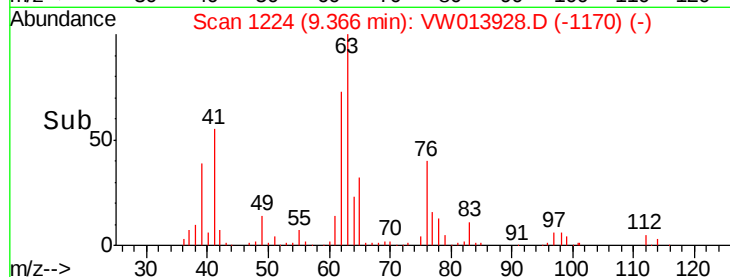
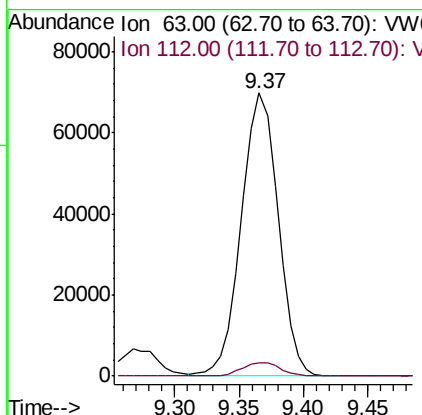
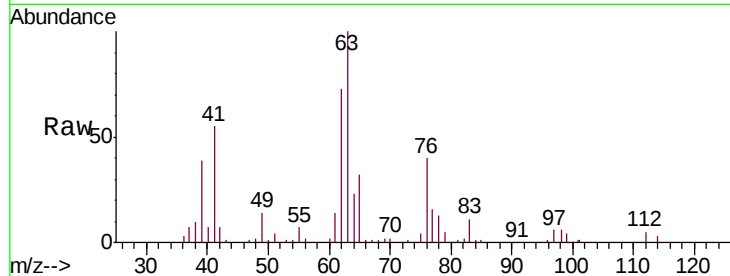




#40
 1,2-Dichloropropane
 Concen: 25.840 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

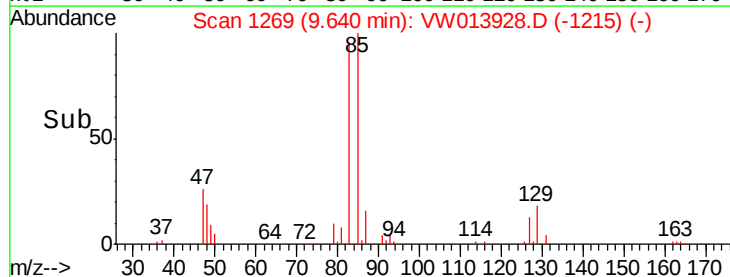
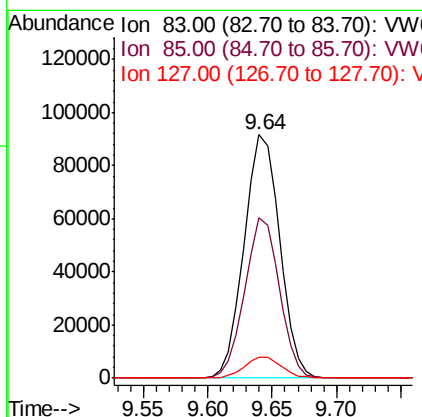
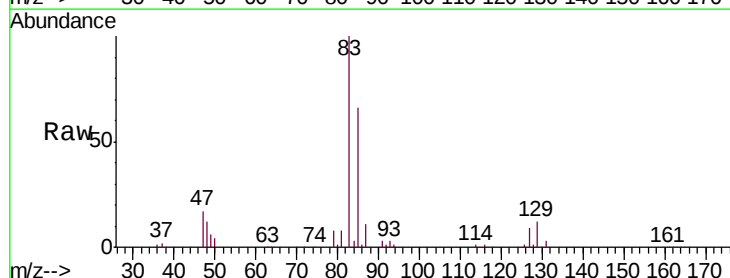
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB19

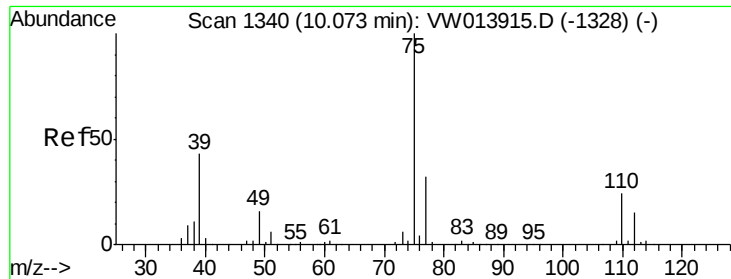
Tgt Ion: 63 Resp: 138905
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#41
 Bromodichloromethane
 Concen: 25.969 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

Tgt Ion: 83 Resp: 175496
 Ion Ratio Lower Upper
 83 100
 85 65.8 43.5 80.7
 127 8.6 7.0 10.4

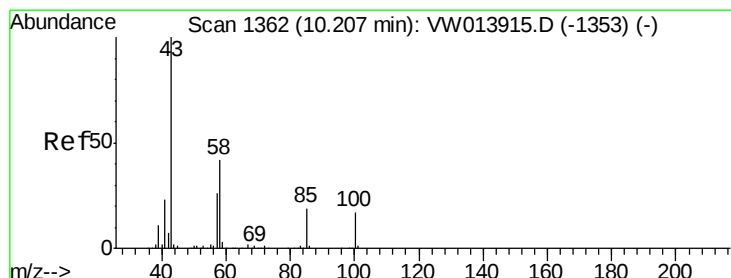
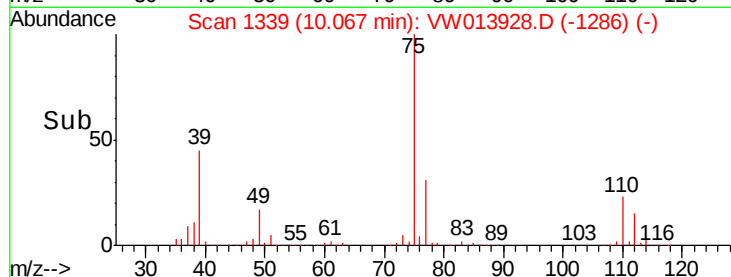
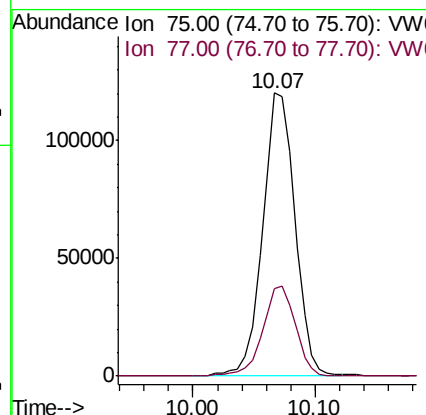
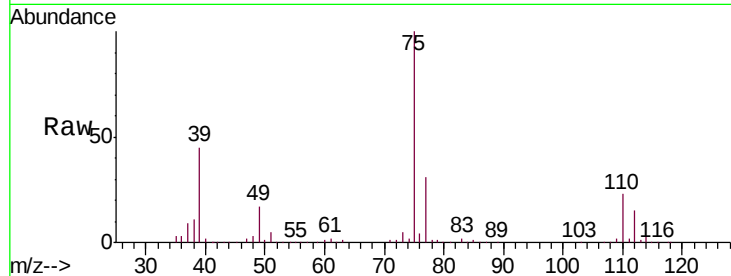




#42
 cis-1,3-Dichloropropene
 Concen: 26.192 ug/L
 RT: 10.07 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

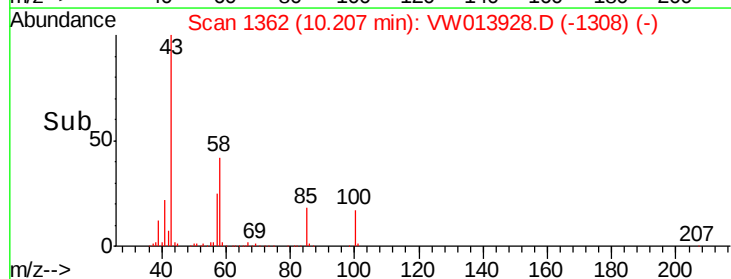
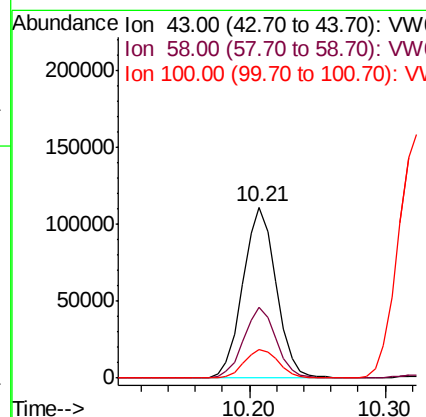
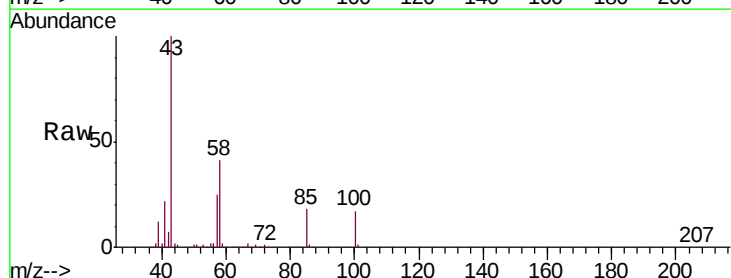
Instrument :
 MSVOA_W
 ClientSampled :
 BFB19

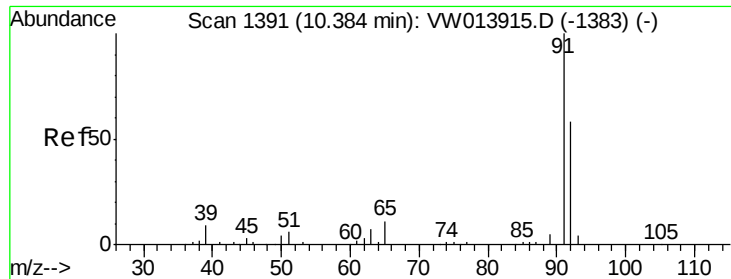
Tgt Ion: 75 Resp: 221895
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.8 40.4



#43
 4-Methyl-2-pentanone
 Concen: 46.031 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

Tgt Ion: 43 Resp: 190305
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.6 48.8
 100 17.5 14.1 21.1





#44

Toluene

Concen: 26.485 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

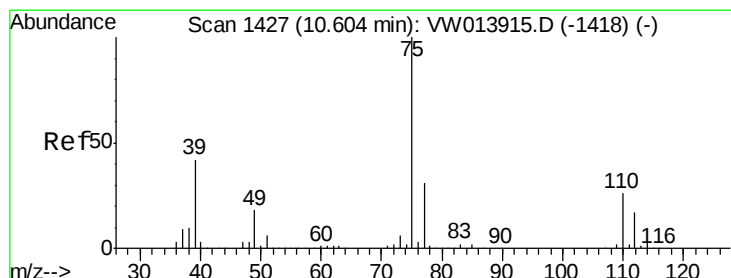
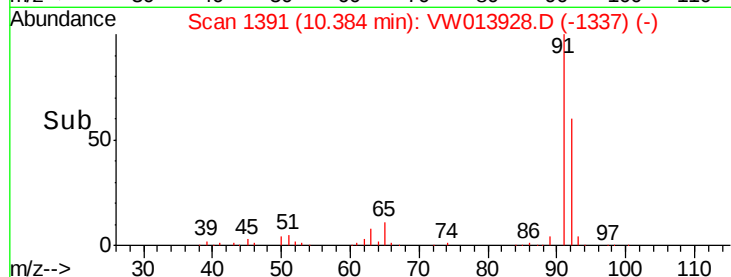
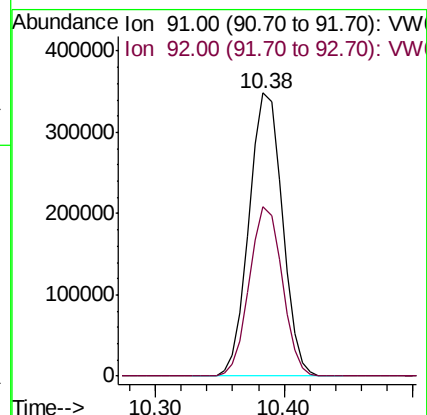
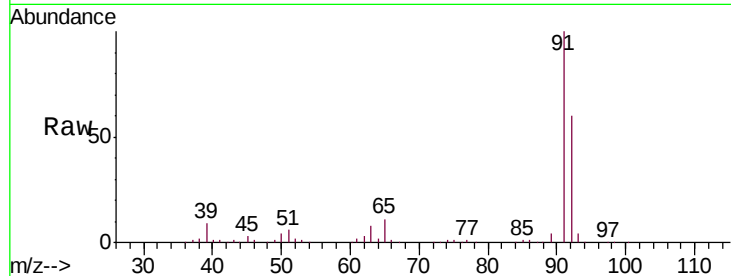
BFB19

Tgt Ion: 91 Resp: 623323

Ion Ratio Lower Upper

91 100

92 59.8 40.3 74.9



#45

trans-1,3-Dichloropropene

Concen: 26.048 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013928.D

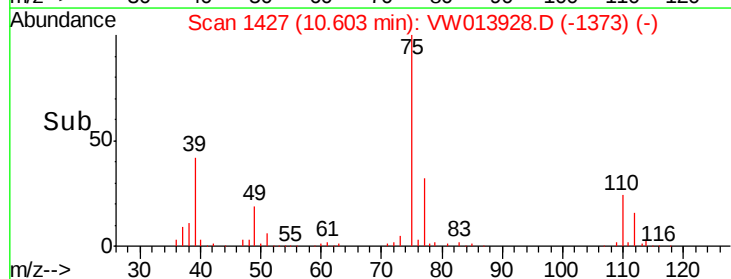
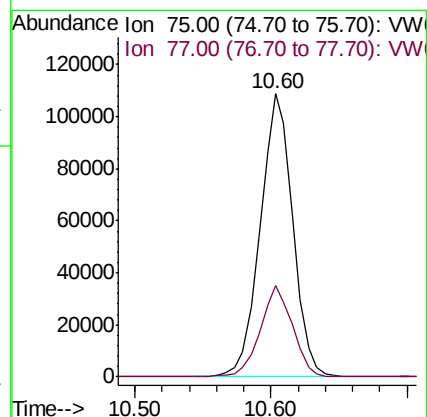
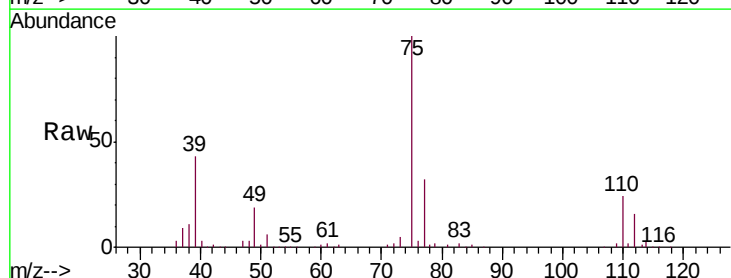
Acq: 07 Nov 2019 12:48

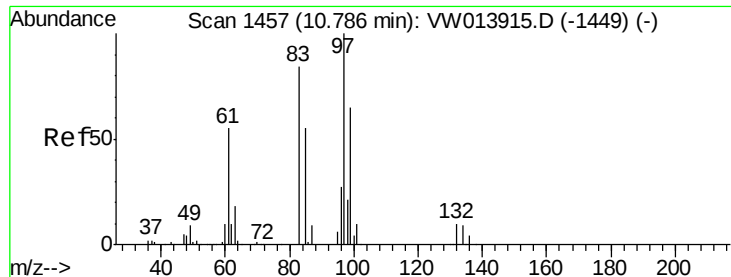
Tgt Ion: 75 Resp: 182341

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.7

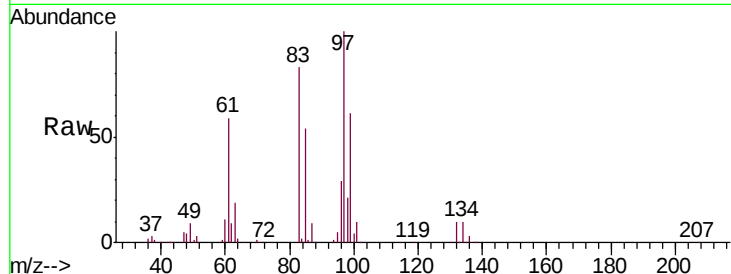




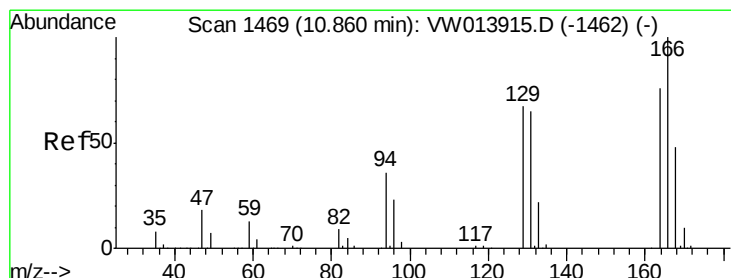
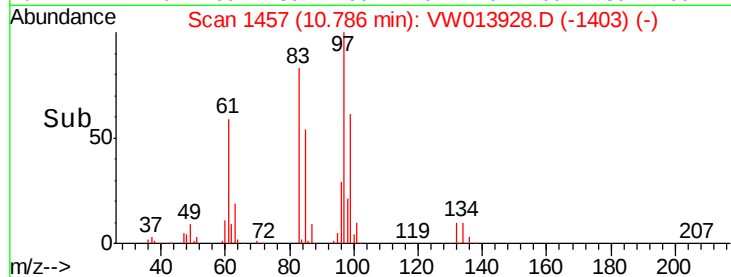
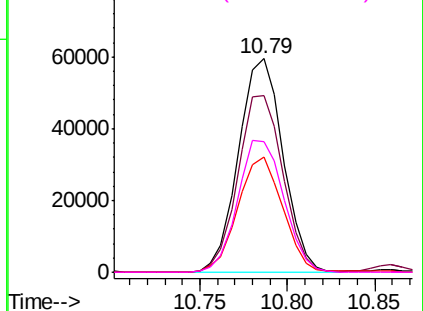
#46
 1,1,2-Trichloroethane
 Concen: 24.664 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

Instrument :
 MSVOA_W
 ClientSampled :
 BFB19

Tgt Ion: 97 Resp: 105872
 Ion Ratio Lower Upper
 97 100
 83 82.6 58.4 108.4
 85 53.7 36.2 67.2
 99 61.3 43.1 80.1

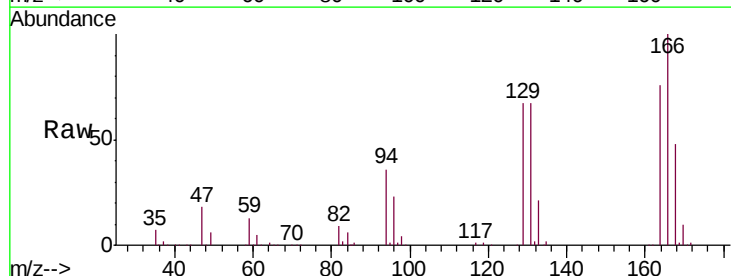


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

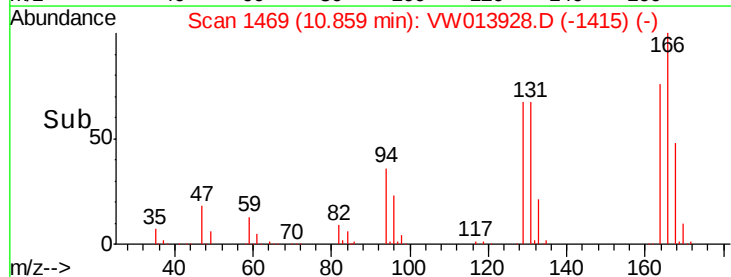
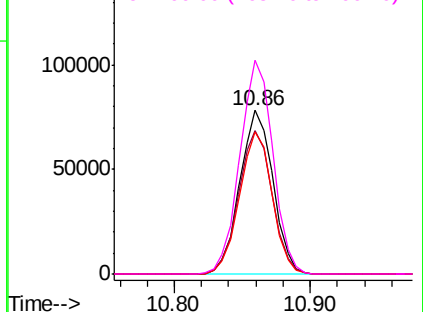


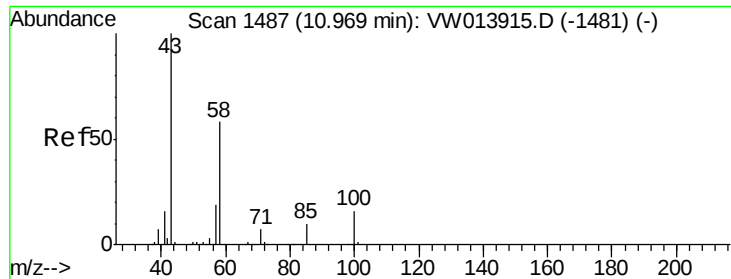
#47
 Tetrachloroethene
 Concen: 25.103 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

Tgt Ion: 164 Resp: 133434
 Ion Ratio Lower Upper
 164 100
 129 87.8 63.0 117.0
 131 87.2 60.6 112.6
 166 130.7 90.7 168.5



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

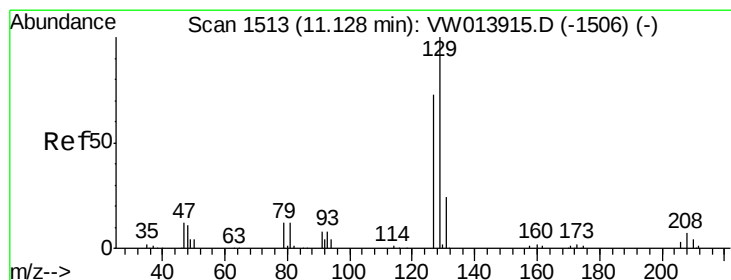
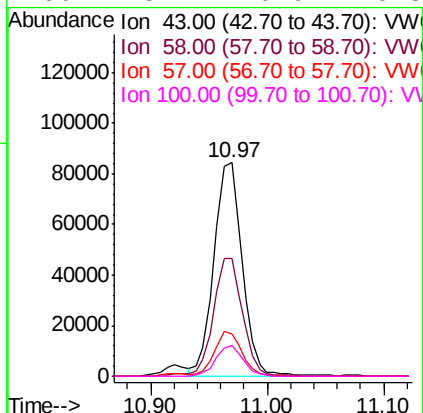
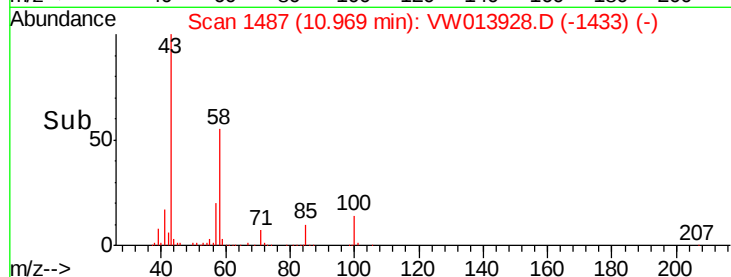
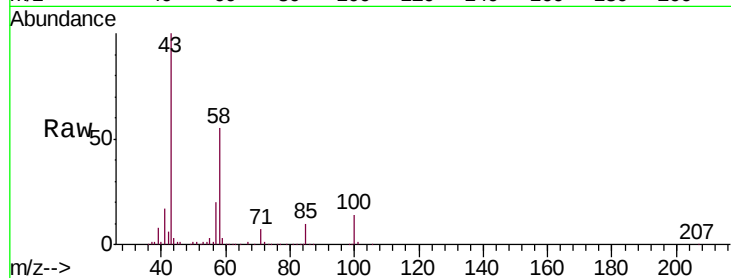




#49
2-Hexanone
Concen: 46.982 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

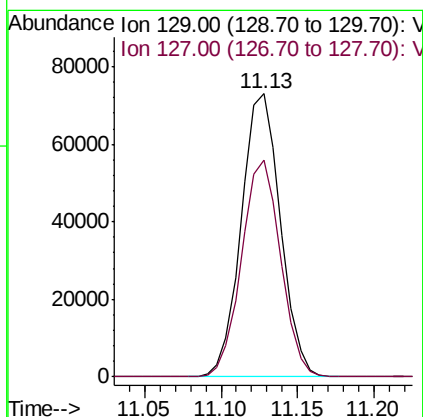
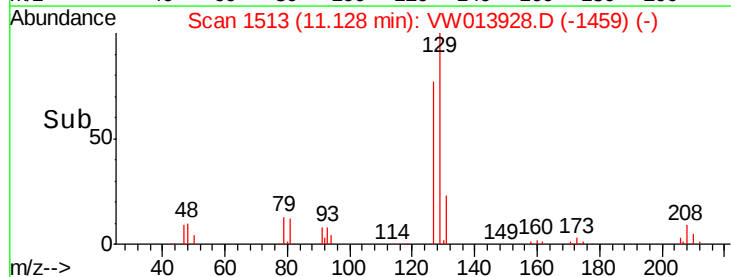
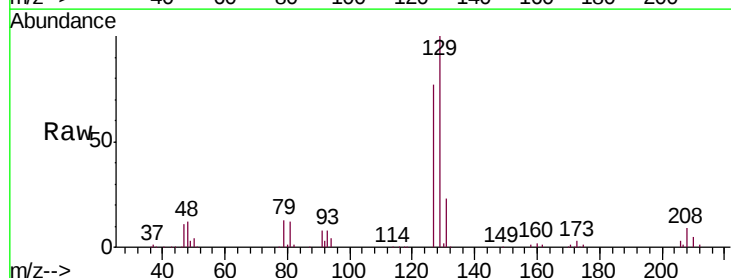
Instrument :
MSVOA_W
ClientSampleId :
BFB19

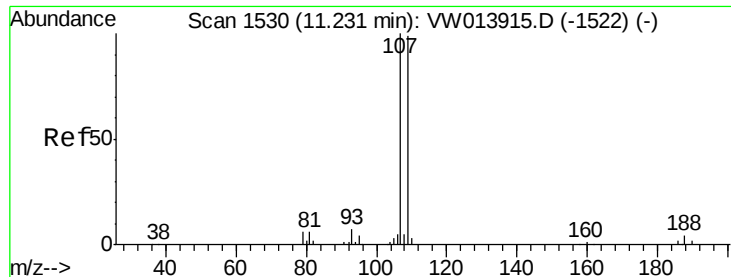
Tgt Ion: 43 Resp: 142693
Ion Ratio Lower Upper
43 100
58 55.1 45.2 67.8
57 20.2 15.4 23.0
100 13.7 10.9 16.3



#50
Dibromochloromethane
Concen: 26.149 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

Tgt Ion: 129 Resp: 130298
Ion Ratio Lower Upper
129 100
127 76.6 52.1 96.7

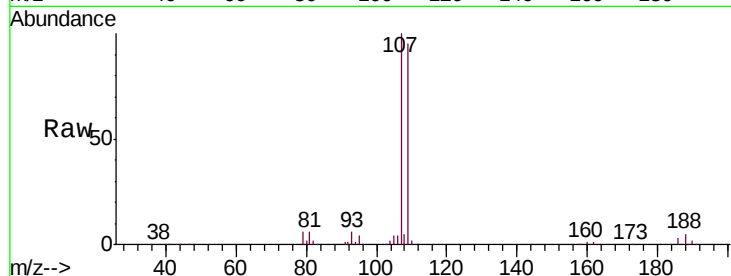




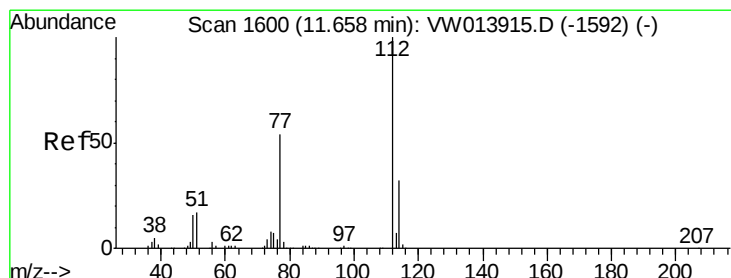
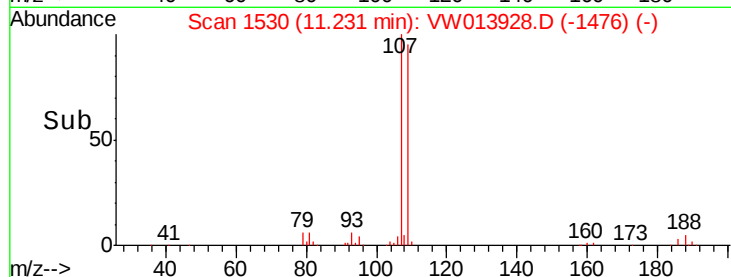
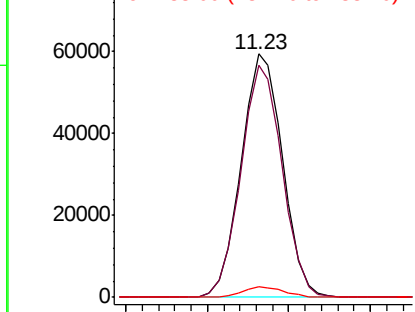
#51
1,2-Dibromoethane
Concen: 24.765 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
BFB19

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	66.3	123.1
188	4.7	3.5	5.3

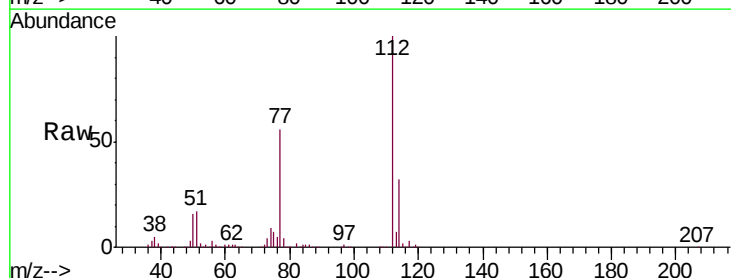


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

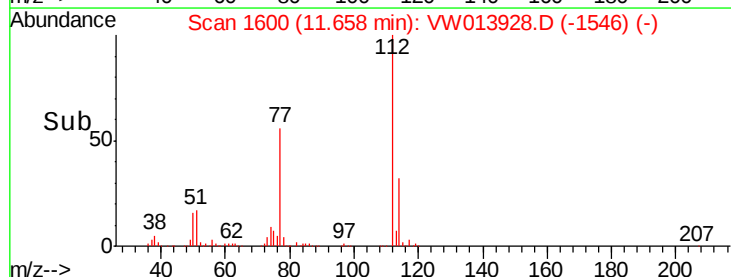
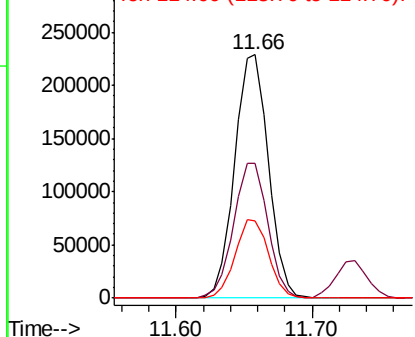


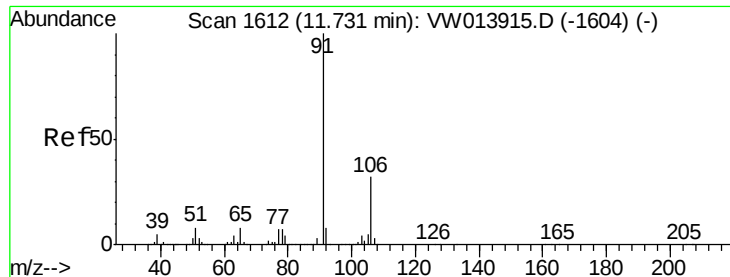
#52
Chlorobenzene
Concen: 26.038 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.6	45.4	68.0
114	31.5	22.6	42.0



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

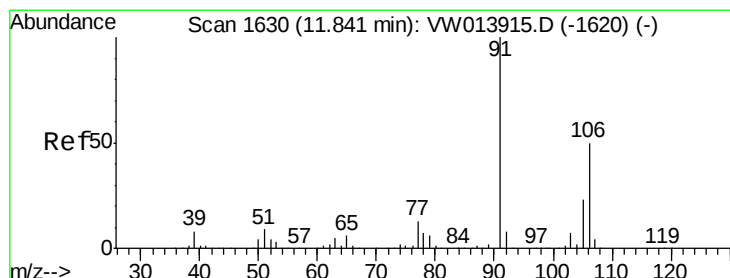
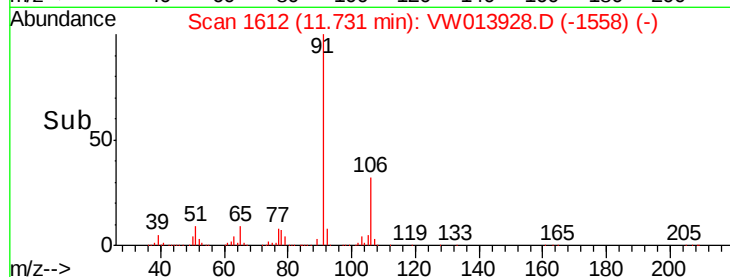
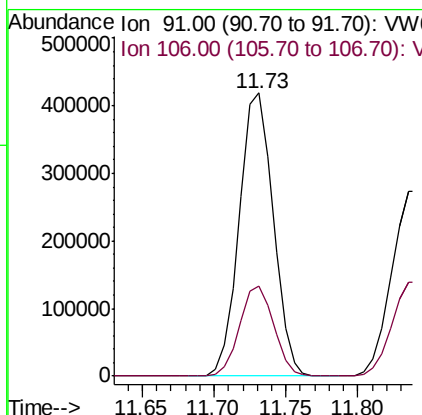
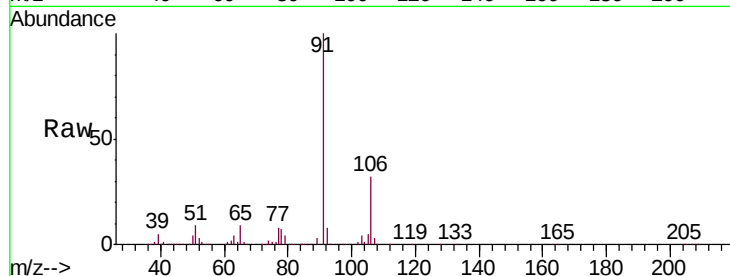




#53
Ethylbenzene
Concen: 26.286 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

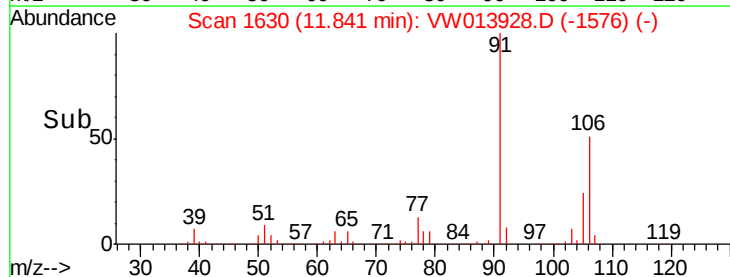
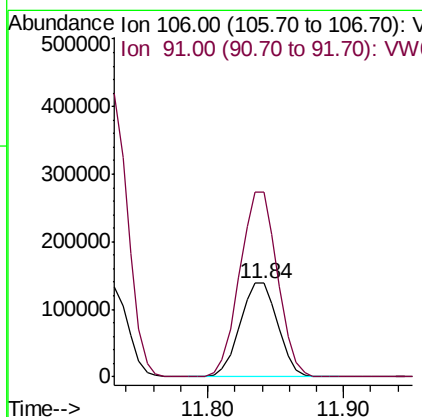
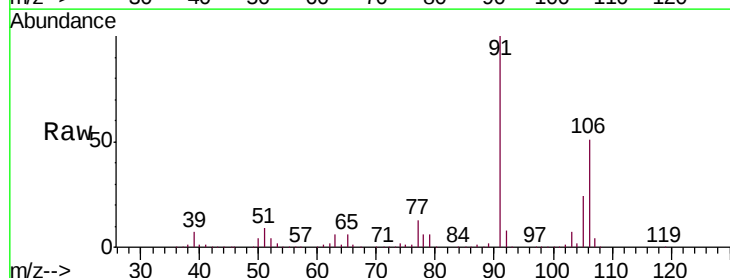
Instrument :
MSVOA_W
ClientSampleId :
BFB19

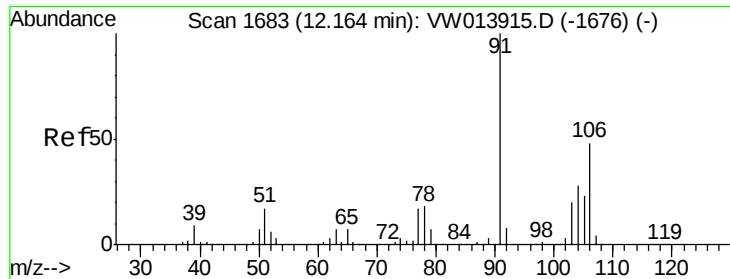
Tgt Ion: 91 Resp: 688639
Ion Ratio Lower Upper
91 100
106 31.7 22.0 40.8



#54
m,p-Xylene
Concen: 26.748 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

Tgt Ion: 106 Resp: 270056
Ion Ratio Lower Upper
106 100
91 196.9 133.7 248.3

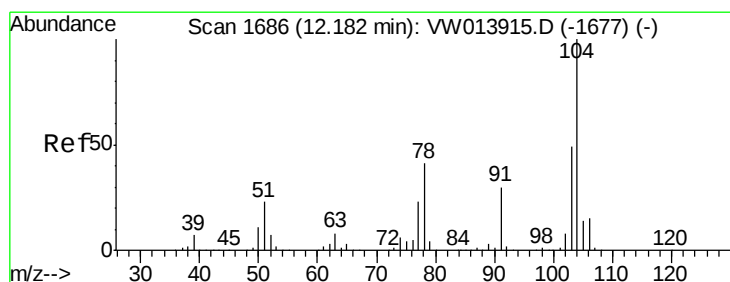
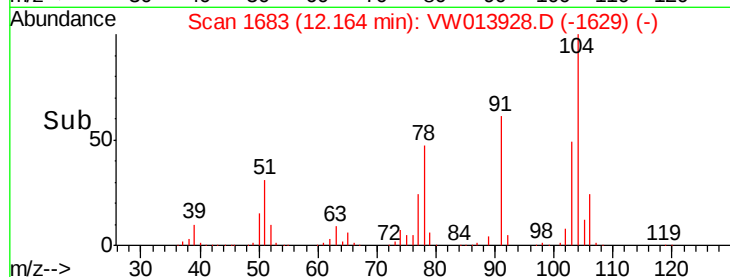
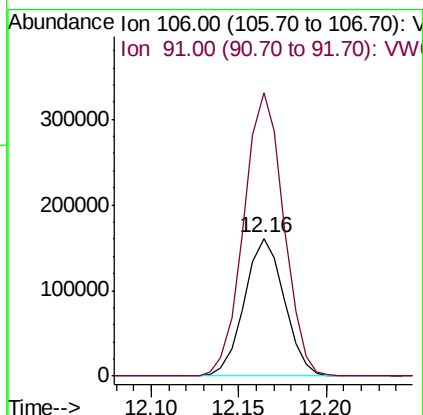
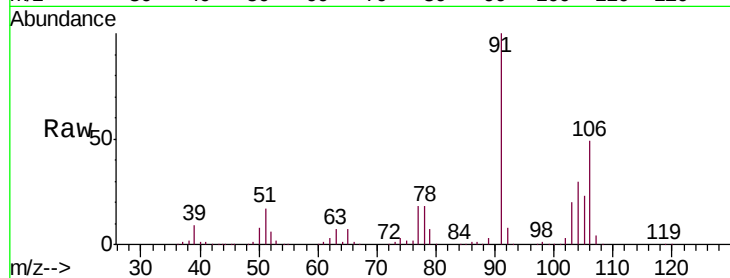




#55
o-xylene
Concen: 26.725 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

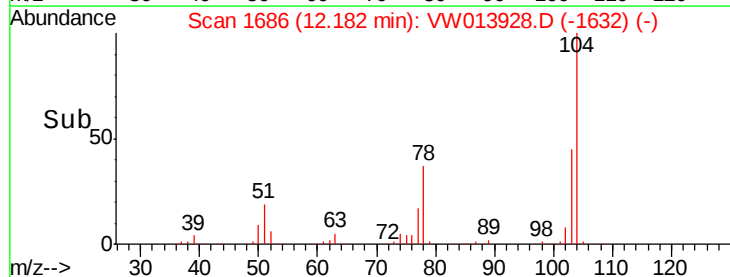
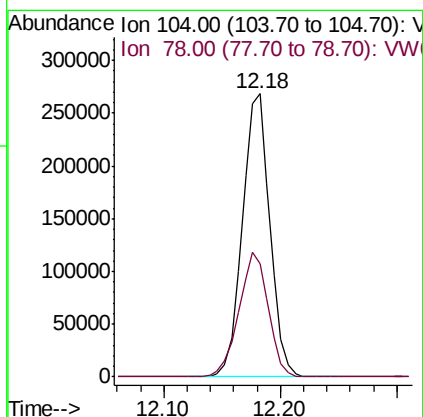
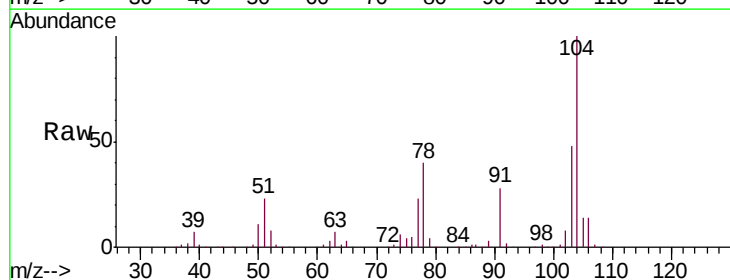
Instrument :
MSVOA_W
ClientSampleId :
BFB19

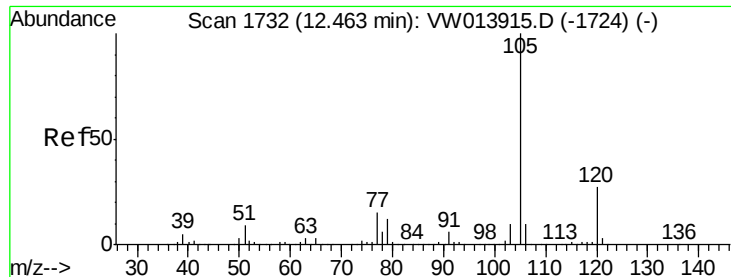
Tgt Ion:106 Resp: 255047
Ion Ratio Lower Upper
106 100
91 205.7 145.6 270.4



#56
Styrene
Concen: 26.745 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013928.D
Acq: 07 Nov 2019 12:48

Tgt Ion:104 Resp: 440450
Ion Ratio Lower Upper
104 100
78 39.9 29.2 54.2





#57

Isopropylbenzene

Concen: 26.975 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

BFB19

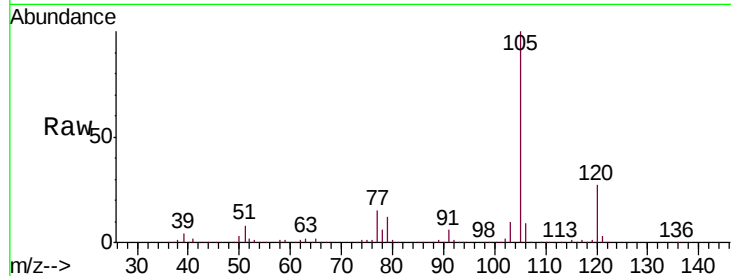
Tgt Ion: 105 Resp: 694160

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

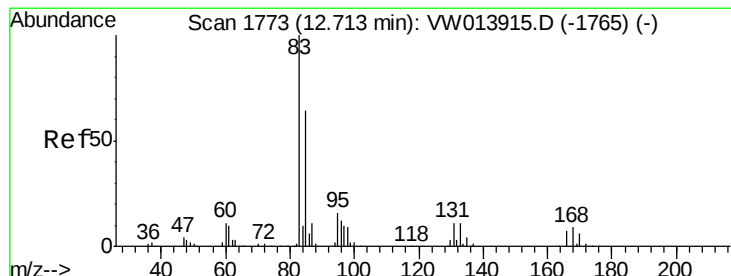
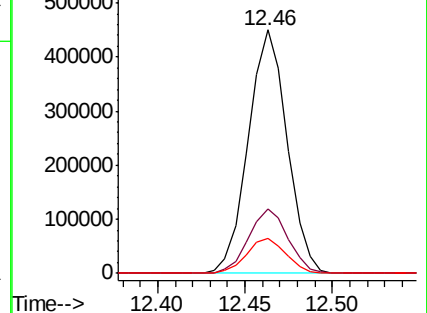
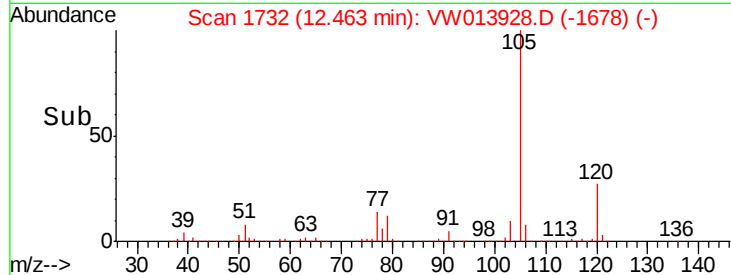
77 14.6 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.131 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

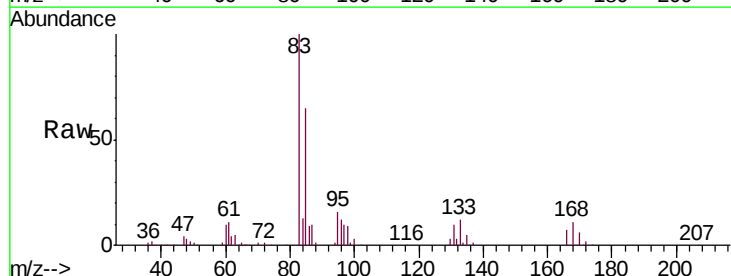
Tgt Ion: 83 Resp: 130452

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.6

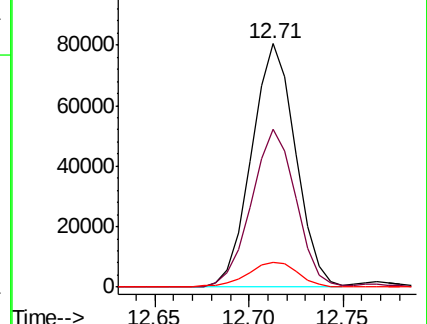
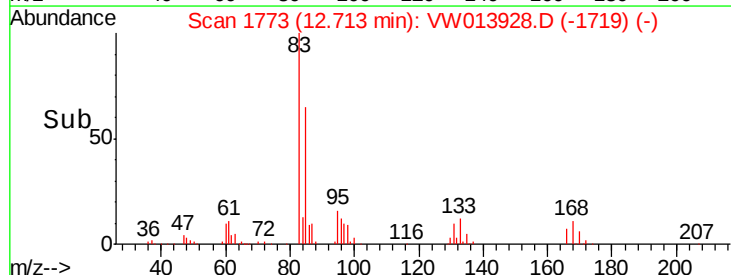
131 10.3 7.8 11.8

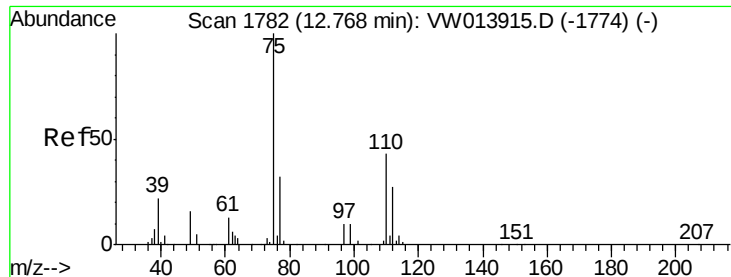


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.773 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

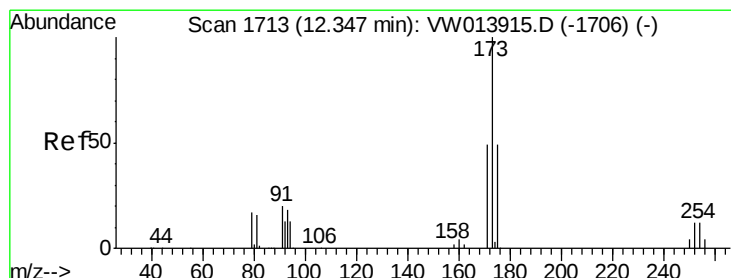
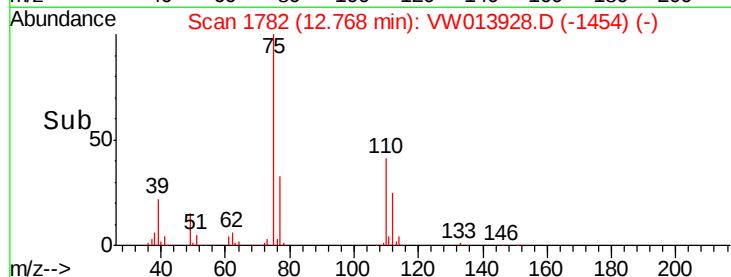
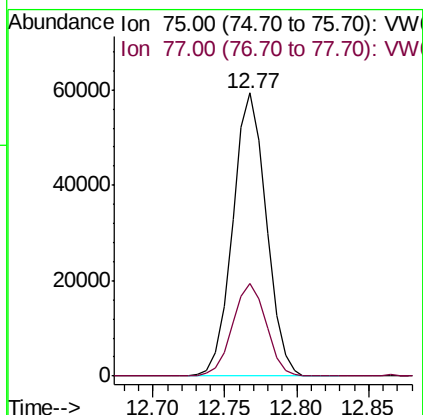
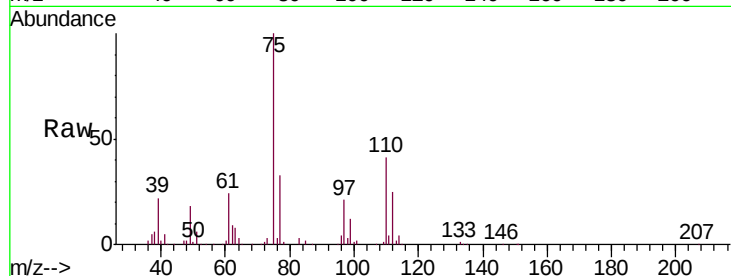
BFB19

Tgt Ion: 75 Resp: 96492

Ion Ratio Lower Upper

75 100

77 33.0 25.9 38.9



#62

Bromoform

Concen: 24.446 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

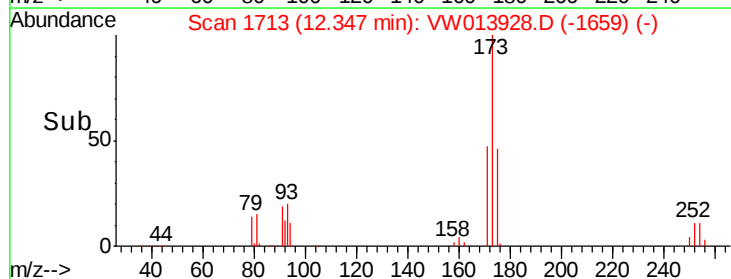
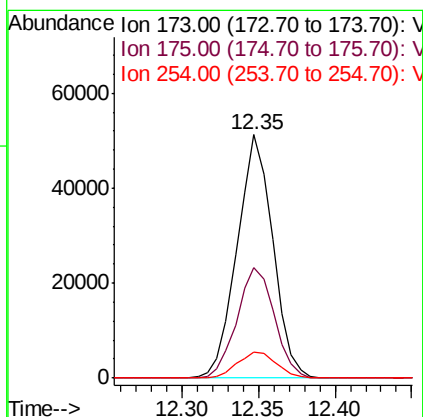
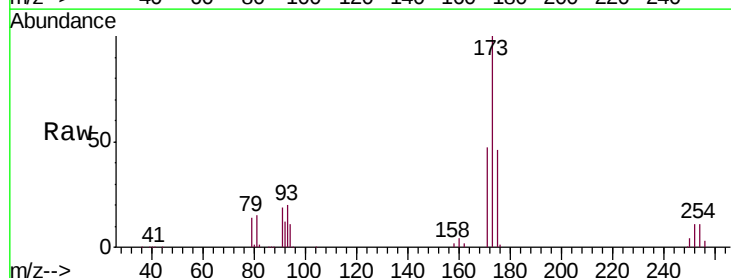
Tgt Ion: 173 Resp: 82966

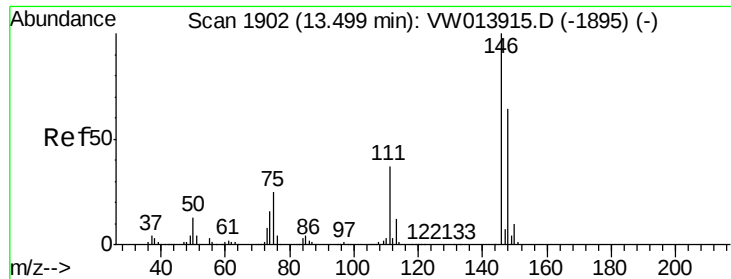
Ion Ratio Lower Upper

173 100

175 47.9 39.7 59.5

254 11.7 10.0 15.0

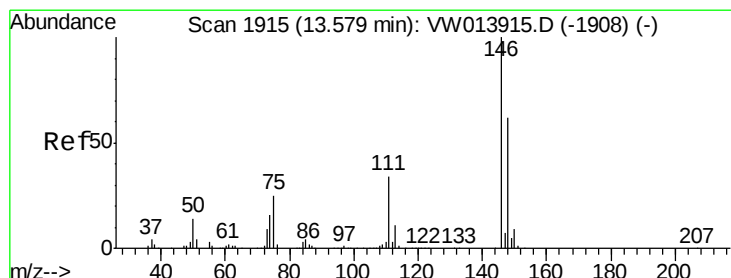
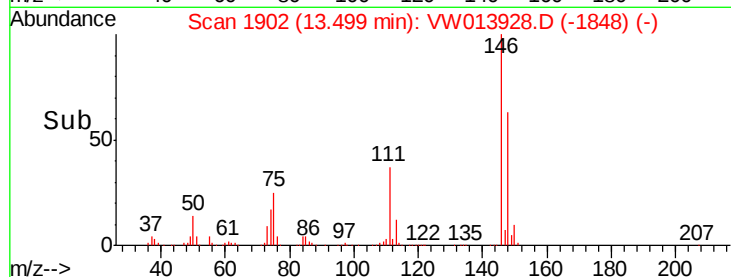
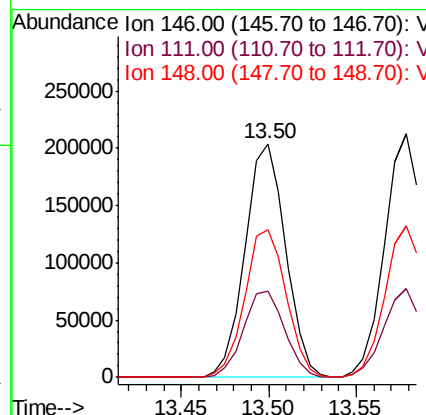
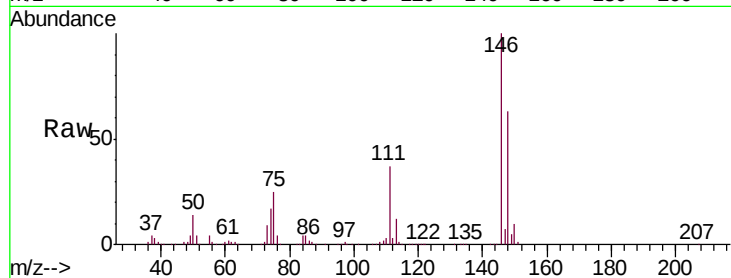




#63
 1,3-Dichlorobenzene
 Concen: 25.504 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

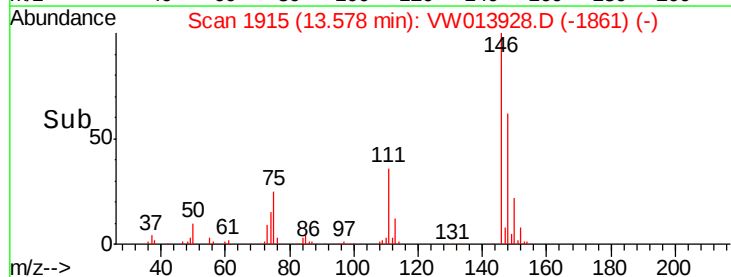
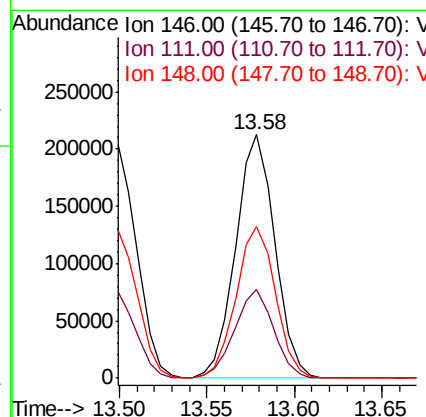
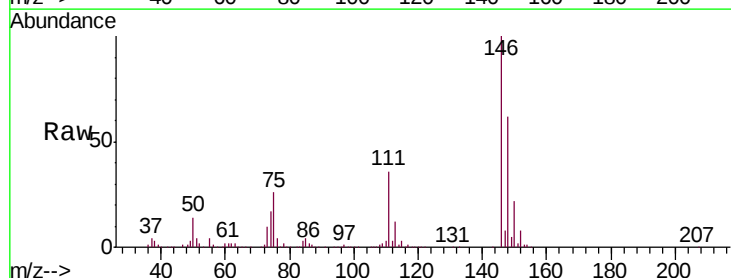
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB19

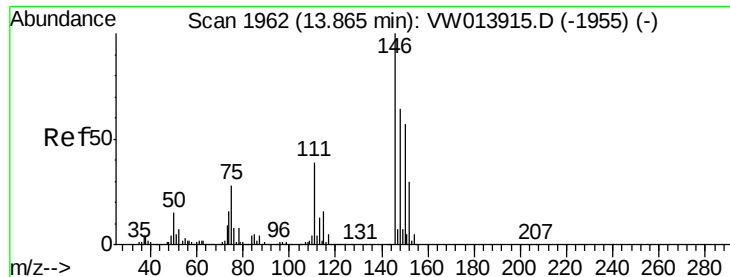
Tgt Ion:146 Resp: 329681
 Ion Ratio Lower Upper
 146 100
 111 36.9 27.4 51.0
 148 63.1 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 25.483 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

Tgt Ion:146 Resp: 330206
 Ion Ratio Lower Upper
 146 100
 111 36.2 25.9 48.1
 148 62.4 46.3 86.1

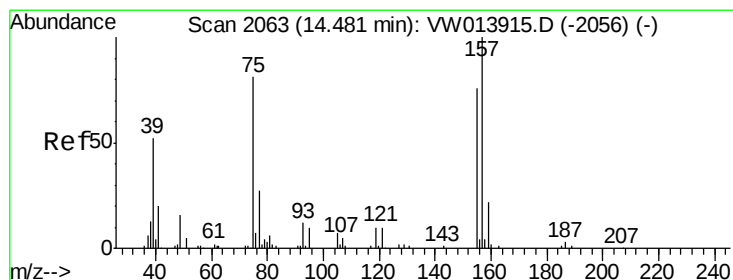
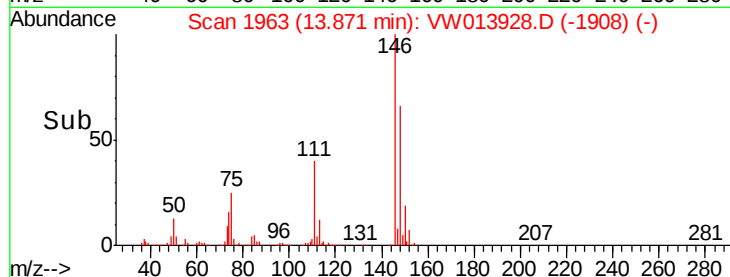
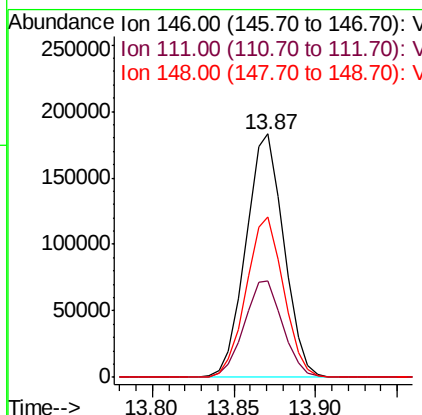
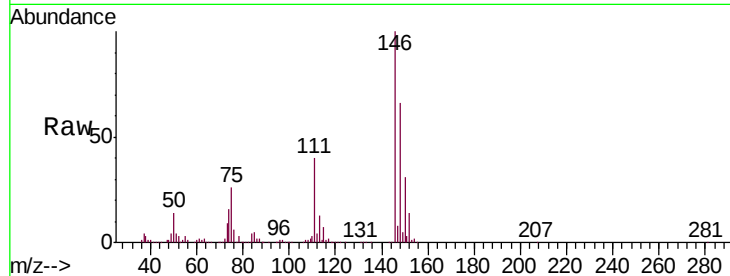




#65
 1,2-Dichlorobenzene
 Concen: 25.393 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

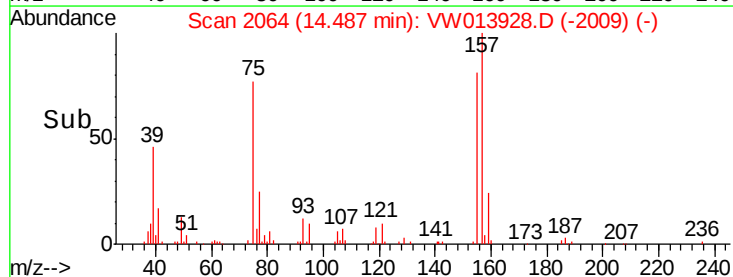
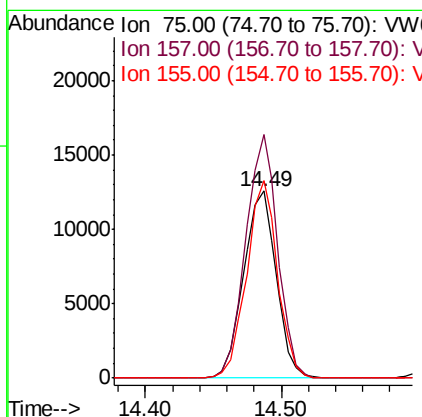
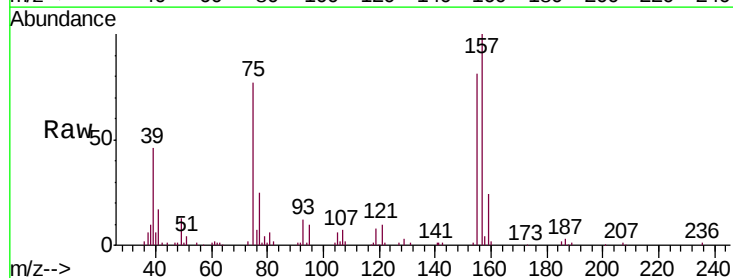
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB19

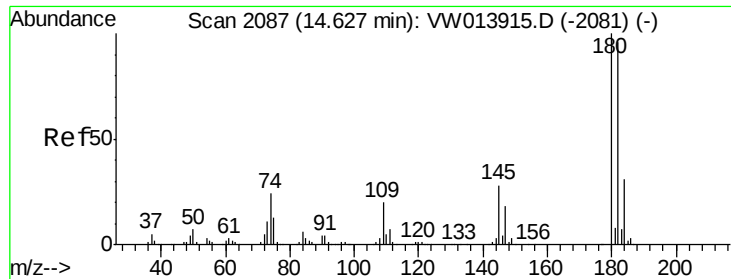
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.6	47.4
148	65.7	50.7	76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.497 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
157	130.1	91.0	136.6
155	105.3	74.7	112.1

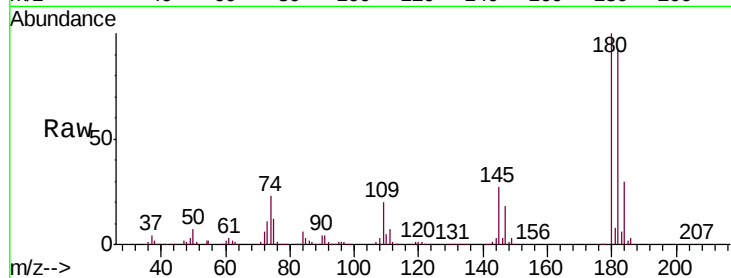




#67
 1,3,5-Trichlorobenzene
 Concen: 26.636 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
184	30.5	23.8	35.8
145	27.5	21.9	32.9



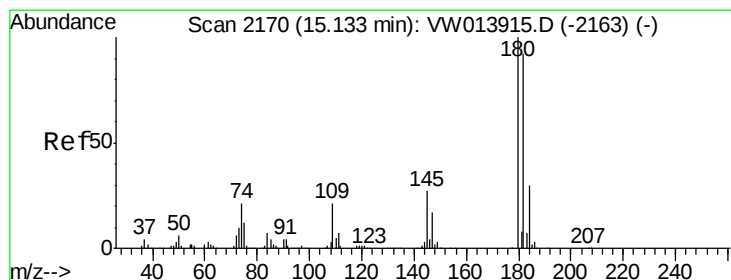
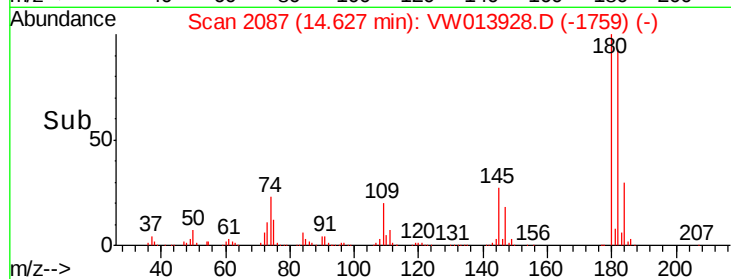
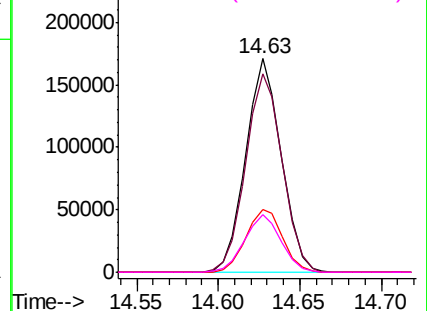
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

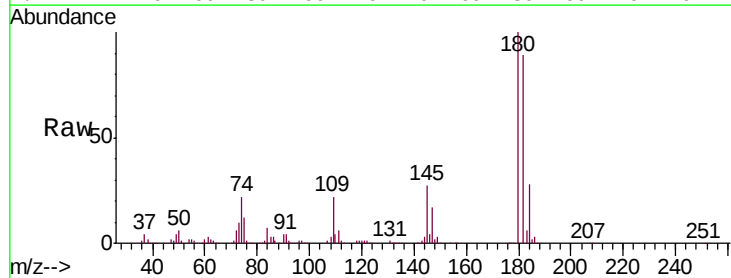
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.402 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013928.D
 Acq: 07 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	78.9	118.3
145	27.6	22.7	34.1

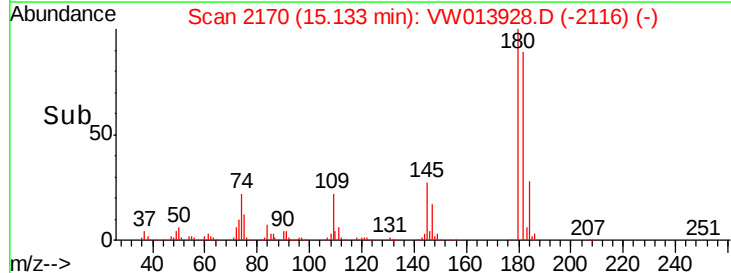
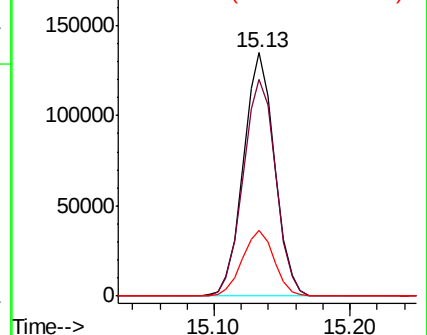


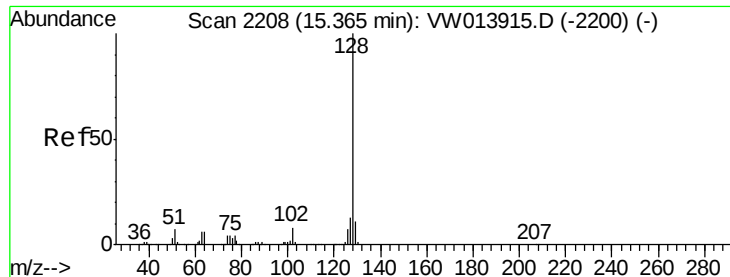
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.422 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

BFB19

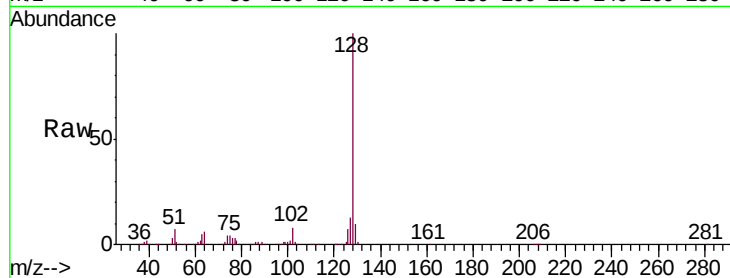
Tgt Ion:128 Resp: 395119

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

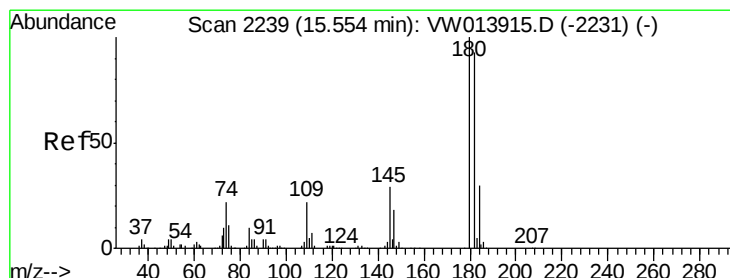
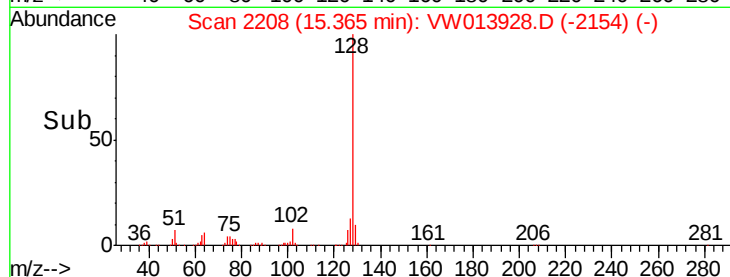
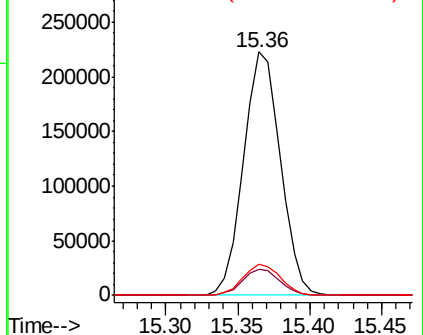
127 12.9 10.6 16.0



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: 27.027 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013928.D

Acq: 07 Nov 2019 12:48

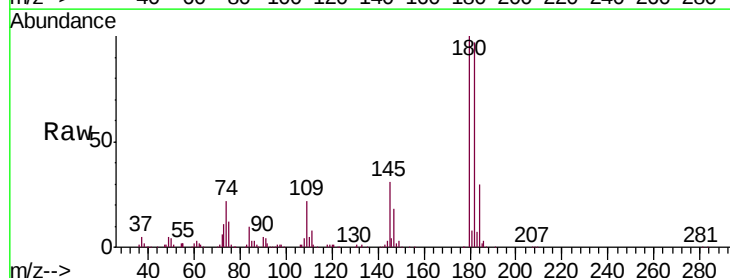
Tgt Ion:180 Resp: 196312

Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.6

145 29.3 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

