

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102219\
 Data File : VW013659.D
 Acq On : 22 Oct 2019 17:24
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Oct 22 17:50:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 22 14:36:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	338785	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	325231	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	199566	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	98475	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.76%
7) Chloroethane-d5	2.89	69	87576	22.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.28%
10) 1,1-Dichloroethene-d2	4.03	63	217689	23.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.84%
20) 2-Butanone-d5	7.08	46	76202	51.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.52%
24) Chloroform-d	7.65	84	231256	24.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	8.31	65	117838	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.08%
29) Benzene-d6	8.27	84	460910	23.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.36%
33) 1,2-Dichloropropane-d6	9.27	67	141895	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.24%
37) Toluene-d8	10.32	98	423786	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.08%
38) trans-1,3-Dichloropropene-	10.58	79	62487	23.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.96%
39) 2-Hexanone-d5	10.92	63	61358	55.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123342	25.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	163830	23.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	78918	20.710	ug/L 98
3) Chloromethane	2.21	50	85007	20.608	ug/L 96
5) Vinyl chloride	2.37	62	136640	26.507	ug/L 100
6) Bromomethane	2.78	94	86782	23.299	ug/L 99
8) Chloroethane	2.93	64	82615	23.716	ug/L 99
9) Trichlorofluoromethane	3.26	101	88824	25.565	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	138074	25.238	ug/L 99
12) 1,1-Dichloroethene	4.04	96	138937	25.804	ug/L 98
13) Acetone	4.14	43	67598	40.968	ug/L 97
14) Carbon disulfide	4.39	76	398949	25.895	ug/L 100
15) Methyl Acetate	4.67	43	67223	24.934	ug/L 99
16) Methylene chloride	4.92	84	146508	22.584	ug/L 100
17) Methyl tert-butyl Ether	5.43	73	188541	25.308	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	149242	25.075	ug/L 96
19) 1,1-Dichloroethane	6.21	63	251021	24.916	ug/L 97
21) 2-Butanone	7.17	43	94008	44.873	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	158193	24.761	ug/L 100

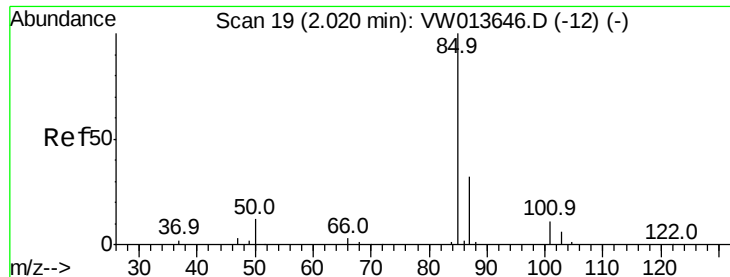
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102219\
 Data File : VW013659.D
 Acq On : 22 Oct 2019 17:24
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Oct 22 17:50:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 22 14:36:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72303	25.039	ug/L	99
25) Chloroform	7.67	83	253495	25.049	ug/L	100
27) 1,2-Dichloroethane	8.40	62	161119	24.840	ug/L	96
30) Cyclohexane	7.96	56	247467	25.972	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	198908	26.222	ug/L	99
32) Carbon tetrachloride	8.07	117	192399	26.047	ug/L	98
34) Benzene	8.32	78	589194	25.249	ug/L	100
35) Trichloroethene	9.09	95	153699	25.671	ug/L	99
36) Methylcyclohexane	9.34	83	269810	25.567	ug/L	99
40) 1,2-Dichloropropane	9.37	63	143255	25.107	ug/L	99
41) Bromodichloromethane	9.65	83	177708	25.419	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	229928	25.524	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	189569	48.697	ug/L	99
44) Toluene	10.38	91	644804	25.718	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	183581	25.246	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	110204	25.044	ug/L	98
47) Tetrachloroethene	10.86	164	142618	26.023	ug/L	97
49) 2-Hexanone	10.97	43	138647	50.203	ug/L	99
50) Dibromochloromethane	11.13	129	132650	25.542	ug/L	94
51) 1,2-Dibromoethane	11.23	107	108399	25.331	ug/L	99
52) Chlorobenzene	11.66	112	406460	25.338	ug/L	98
53) Ethylbenzene	11.73	91	709287	25.605	ug/L	98
54) m,p-Xylene	11.84	106	277723	25.944	ug/L	99
55) o-xylene	12.16	106	260991	25.692	ug/L	96
56) Styrene	12.18	104	450757	25.939	ug/L	98
57) Isopropylbenzene	12.46	105	704543	25.856	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	131526	25.501	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	98107	25.508	ug/L	99
62) Bromoform	12.35	173	83499	24.414	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	328965	24.293	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	333956	24.542	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	298325	24.315	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	20587	24.412	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	249959	24.830	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	211706	24.771	ug/L	100
69) Naphthalene	15.36	128	397823	25.689	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	188368	24.612	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 20.710 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

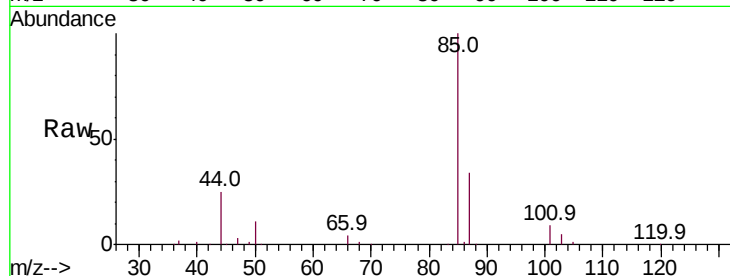
VSTD02527

Tot Ion: 85 Resp: 78918

Ion Ratio Lower Upper

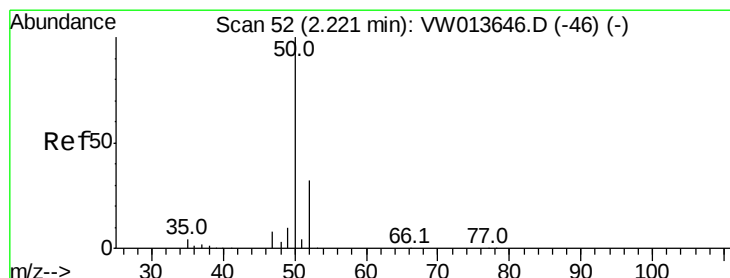
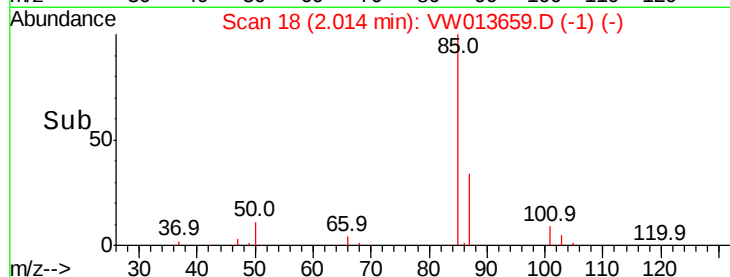
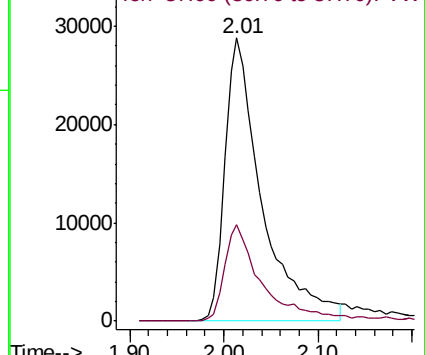
85 100

87 29.7 20.2 37.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.608 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013659.D

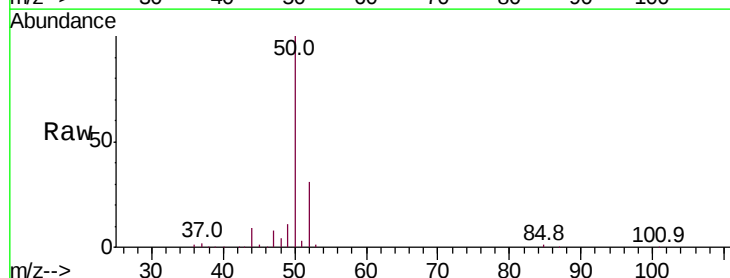
Acq: 22 Oct 2019 17:24

Tgt Ion: 50 Resp: 85007

Ion Ratio Lower Upper

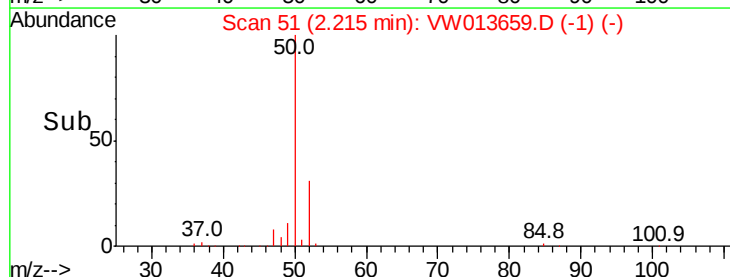
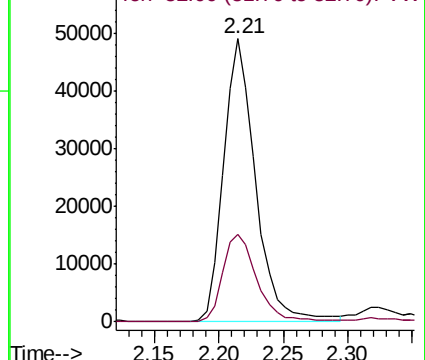
50 100

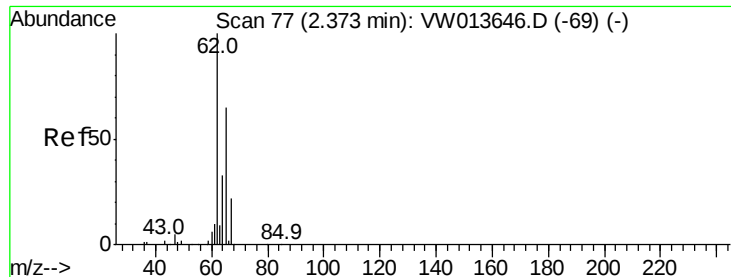
52 31.1 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.507 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

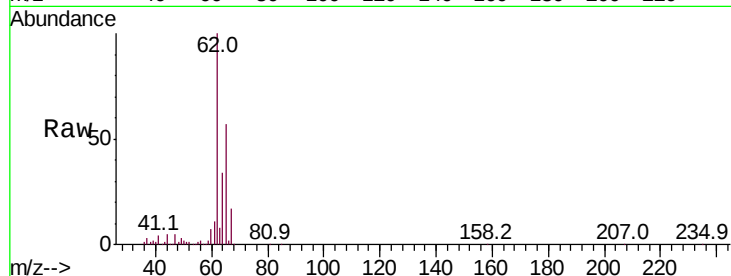
VSTD02527

Tot Ion: 62 Resp: 136640

Ion Ratio Lower Upper

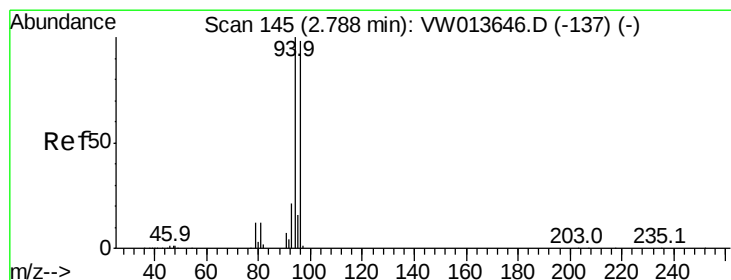
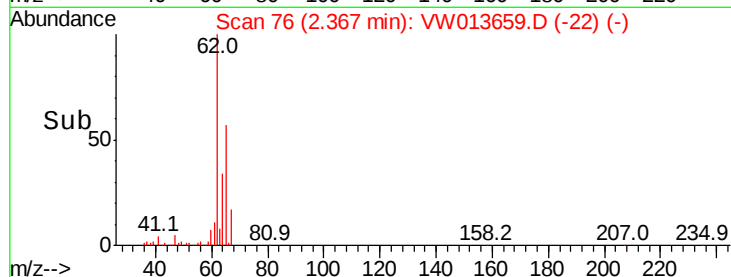
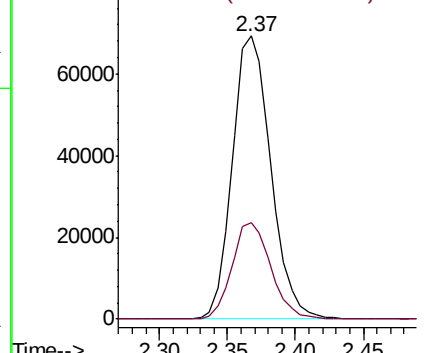
62 100

64 34.1 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 23.299 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013659.D

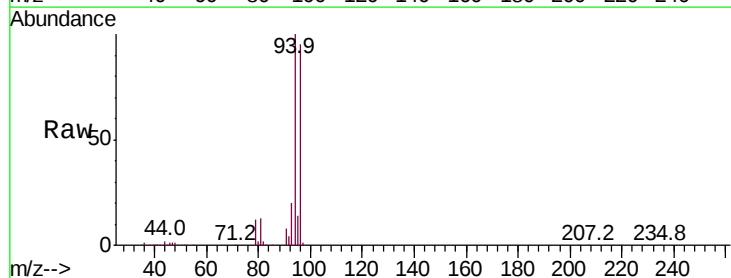
Acq: 22 Oct 2019 17:24

Tgt Ion: 94 Resp: 86782

Ion Ratio Lower Upper

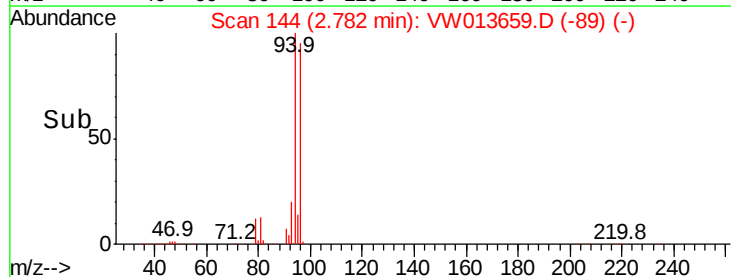
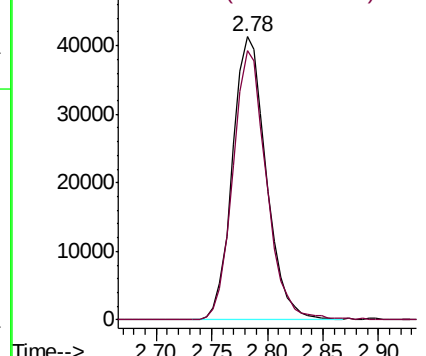
94 100

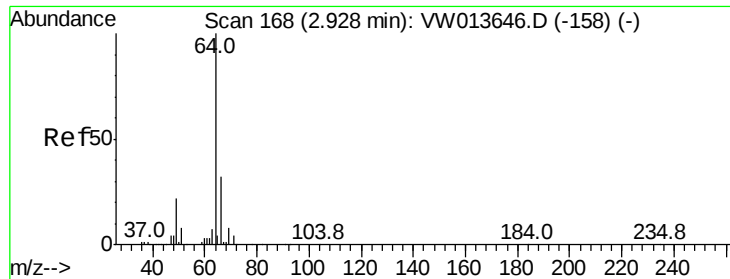
96 93.9 9.3 176.9



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 23.716 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

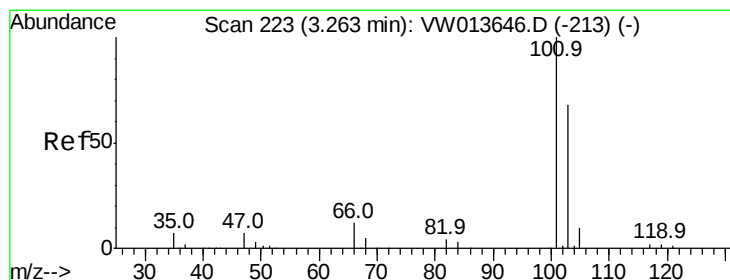
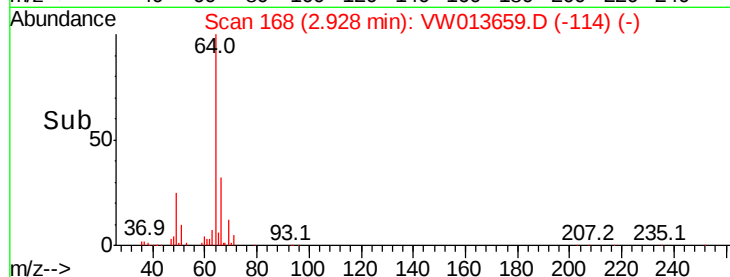
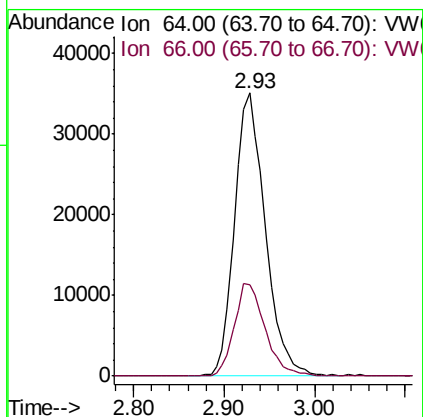
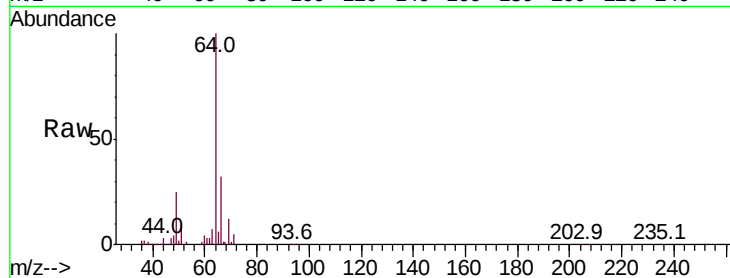
VSTD02527

Tot Ion: 64 Resp: 82615

Ion Ratio Lower Upper

64 100

66 32.3 22.2 41.2



#9

Trichlorofluoromethane

Concen: 25.565 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW013659.D

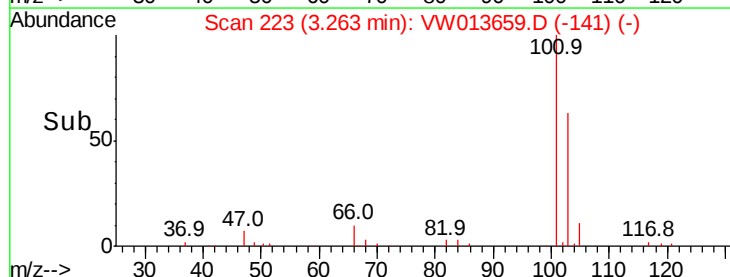
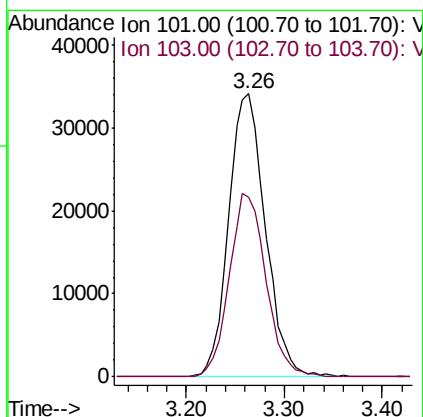
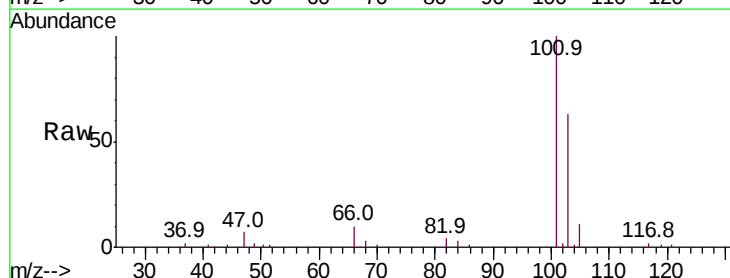
Acq: 22 Oct 2019 17:24

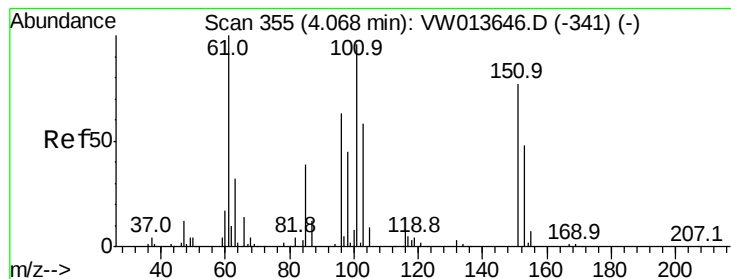
Tgt Ion: 101 Resp: 88824

Ion Ratio Lower Upper

101 100

103 64.7 46.5 86.5





#11

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

Concen: 25.238 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

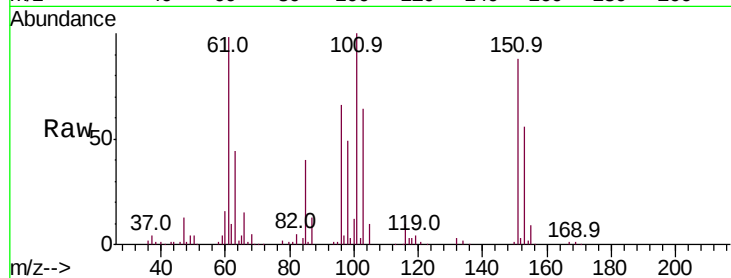
Tot Ion:101 Resp: 138074

Ion Ratio Lower Upper

101 100

85 39.9 32.0 48.0

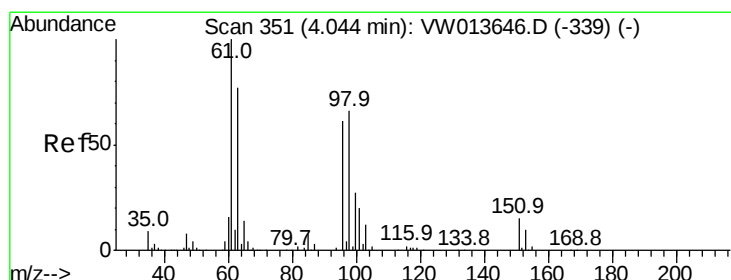
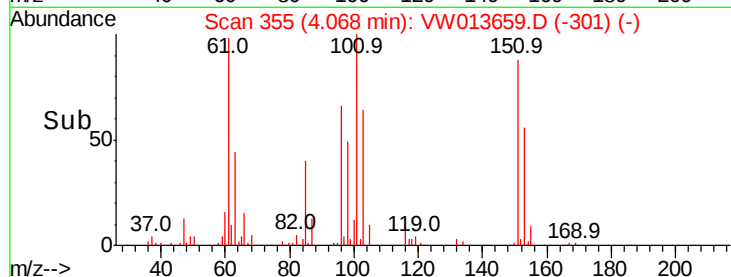
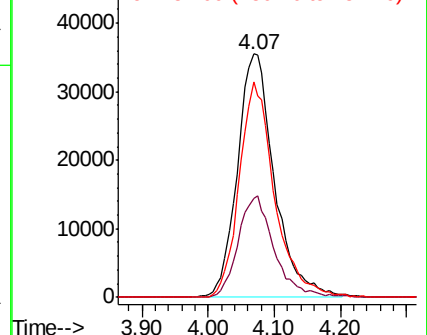
151 84.3 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.804 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

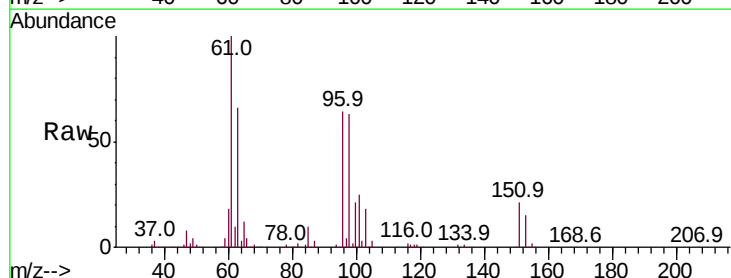
Tgt Ion: 96 Resp: 138937

Ion Ratio Lower Upper

96 100

61 156.5 112.7 209.3

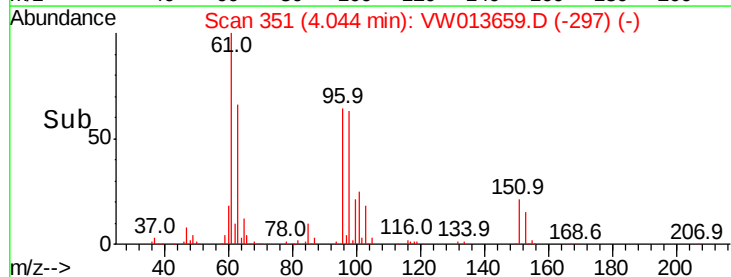
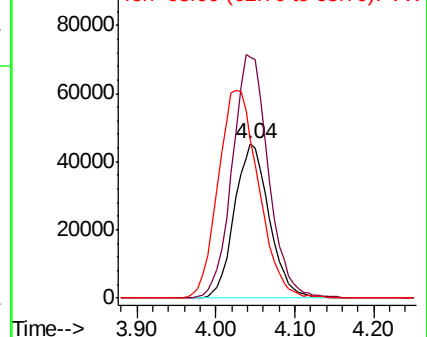
63 103.3 72.8 135.2

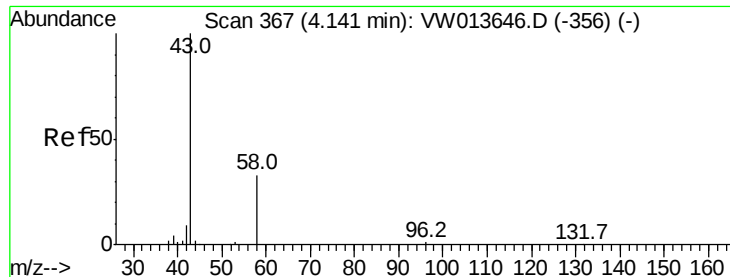


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.968 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

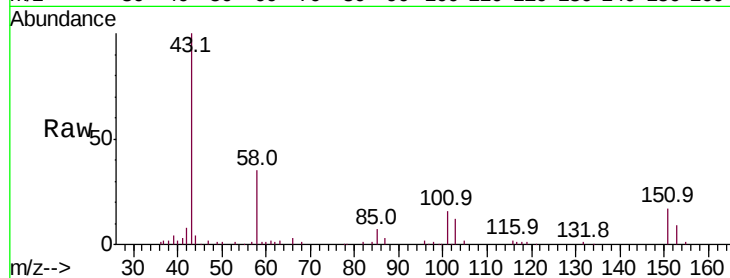
VSTD02527

Tot Ion: 43 Resp: 67598

Ion Ratio Lower Upper

43 100

58 33.2 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

25000

20000

15000

10000

5000

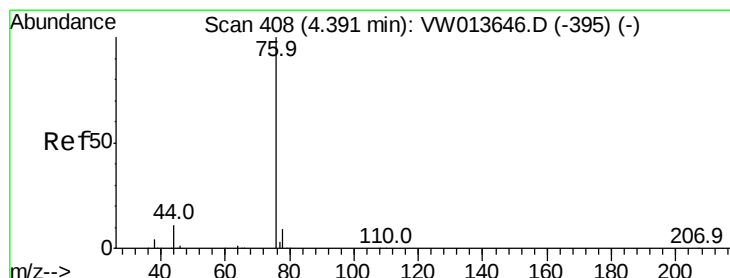
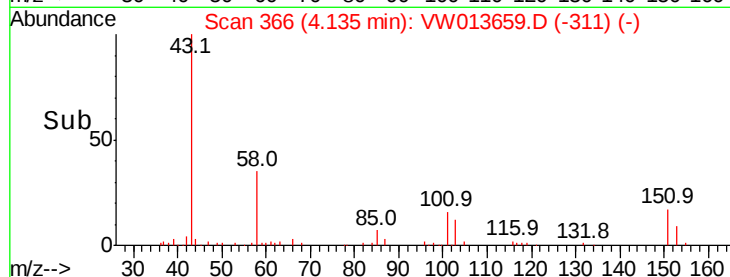
0

4.00

4.10

4.20

Time-->



#14

Carbon disulfide

Concen: 25.895 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013659.D

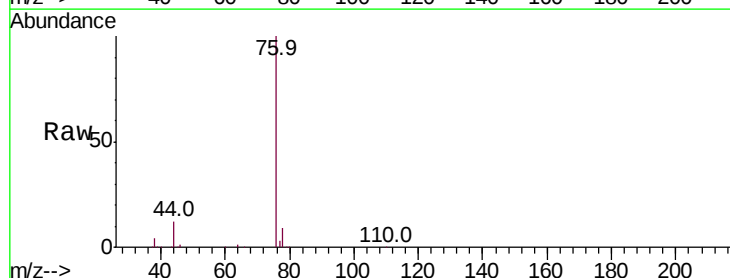
Acq: 22 Oct 2019 17:24

Tgt Ion: 76 Resp: 398949

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

150000

100000

50000

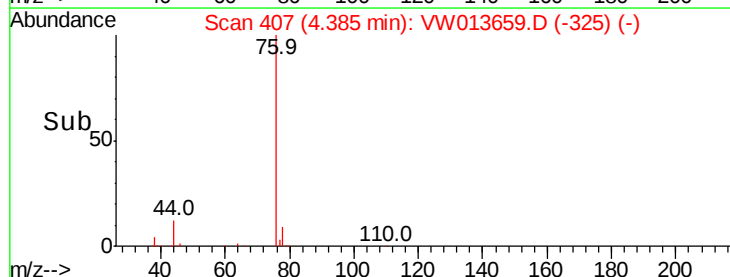
0

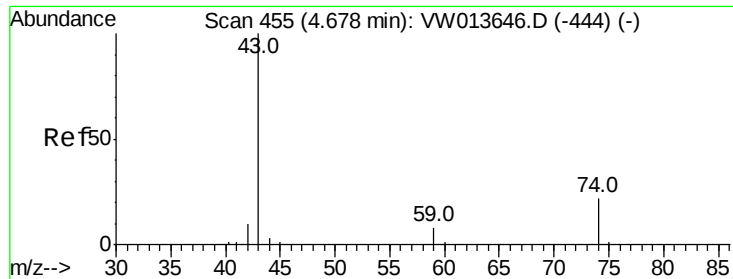
4.30

4.40

4.50

Time-->

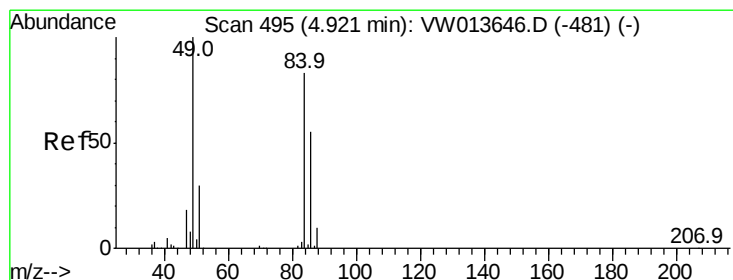
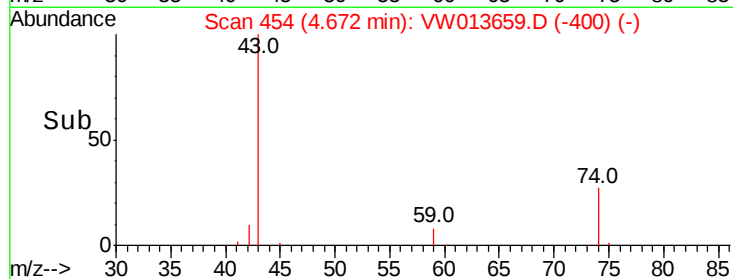
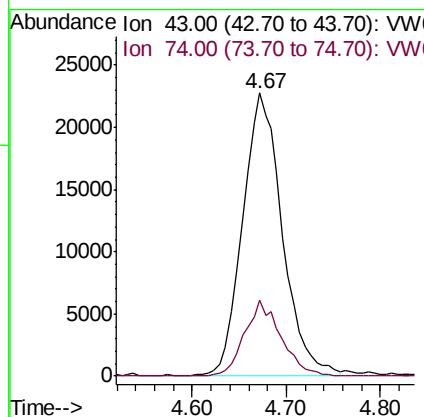
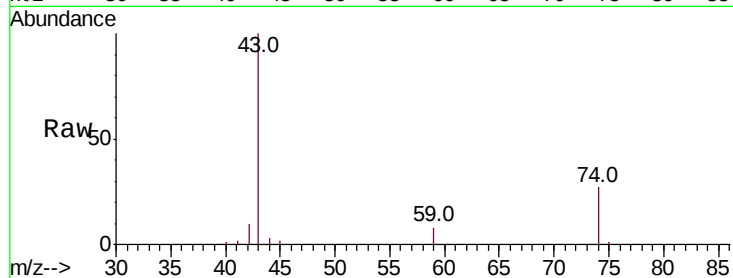




#15
Methyl Acetate
Concen: 24.934 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

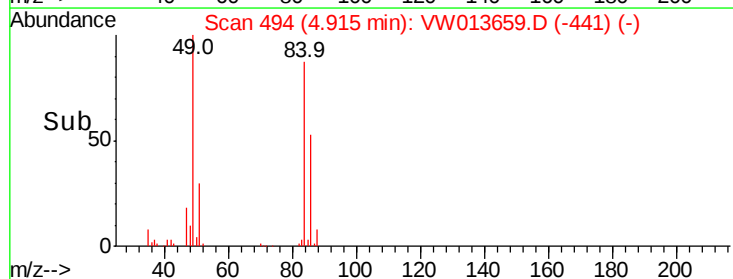
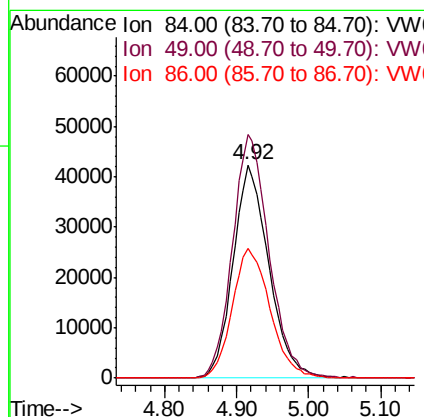
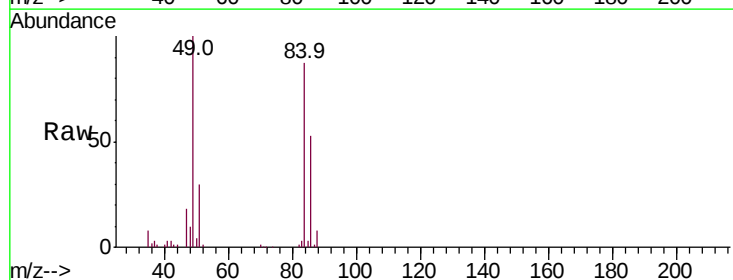
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

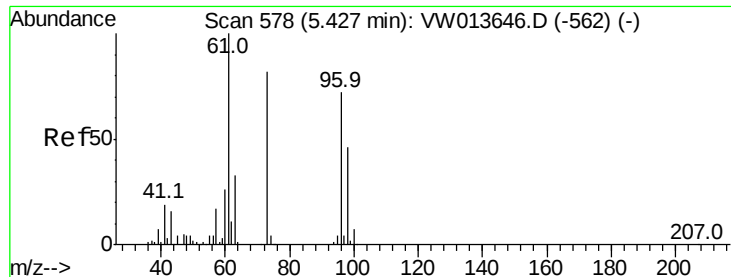
Tot Ion: 43 Resp: 67223
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8



#16
Methylene chloride
Concen: 22.584 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

Tgt Ion: 84 Resp: 146508
Ion Ratio Lower Upper
84 100
49 114.3 80.2 148.9
86 60.7 42.7 79.3

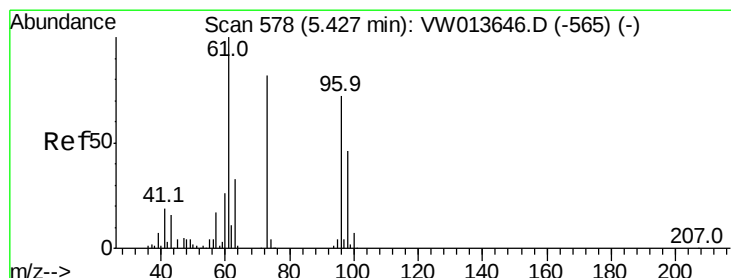
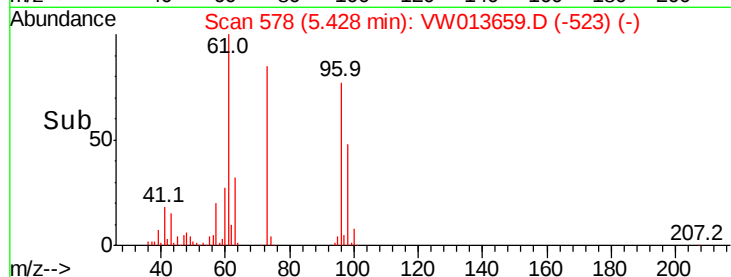
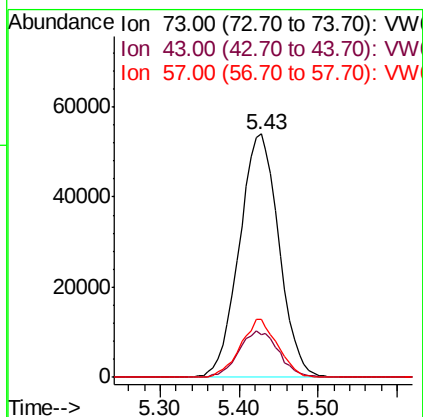
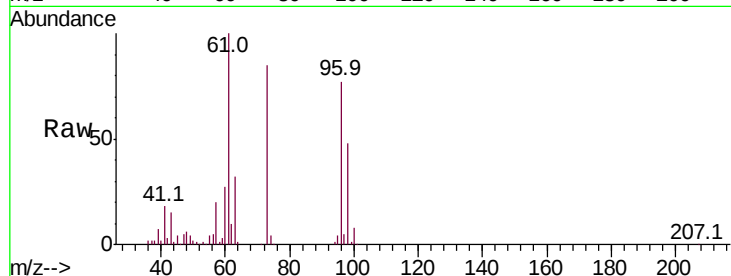




#17
Methvl tert-butvl Ether
Concen: 25.308 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

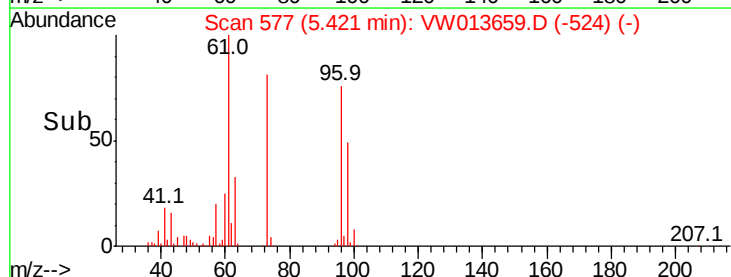
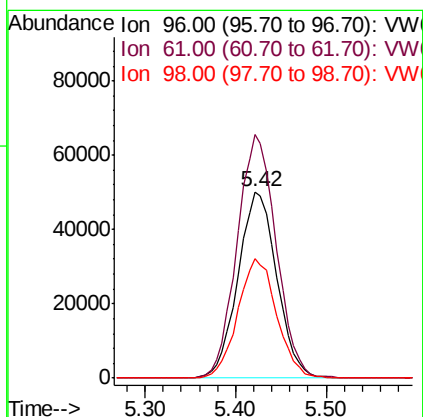
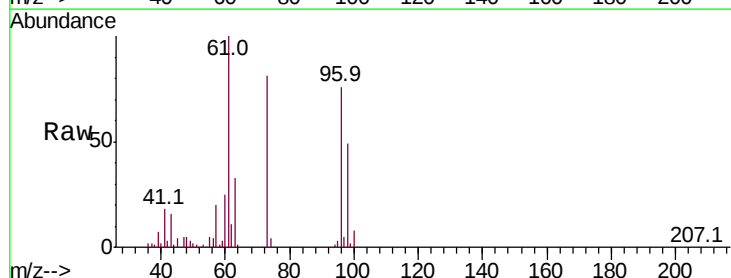
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

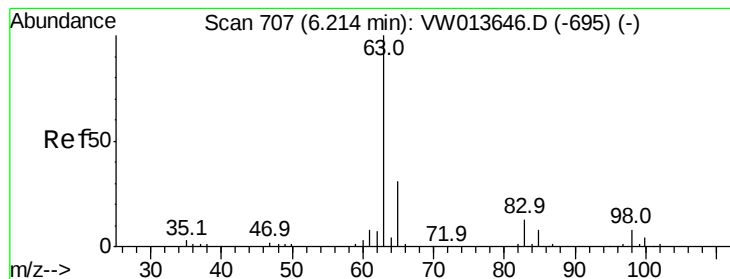
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.1	15.4	23.2
57	22.4	17.7	26.5



#18
trans-1,2-Dichloroethene
Concen: 25.075 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.9	88.4	164.2
98	64.2	43.0	79.8





#19

1,1-Dichloroethane

Concen: 24.916 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

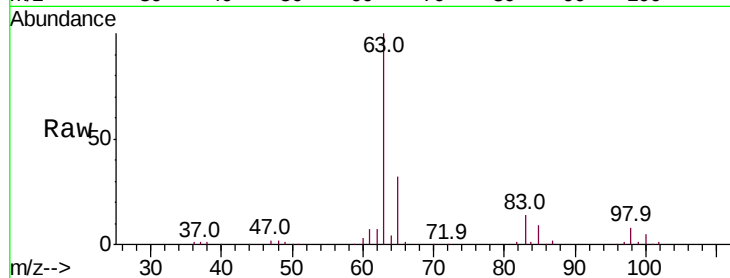
Tot Ion: 63 Resp: 251021

Ion Ratio Lower Upper

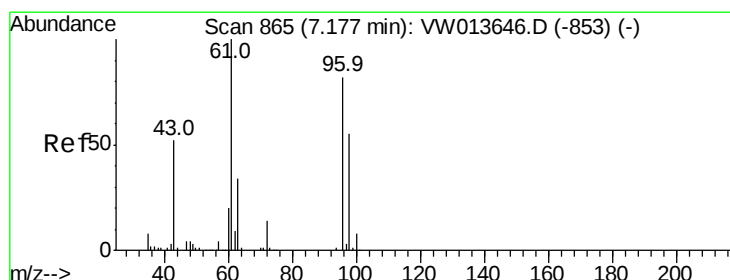
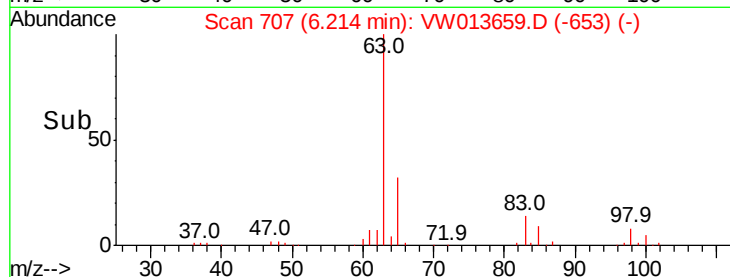
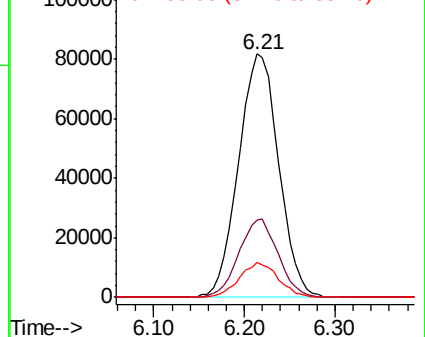
63 100

65 31.7 20.9 38.7

83 14.4 9.2 17.2



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: 44.873 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013659.D

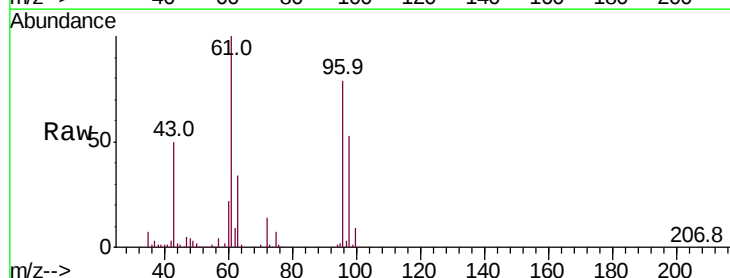
Acq: 22 Oct 2019 17:24

Tgt Ion: 43 Resp: 94008

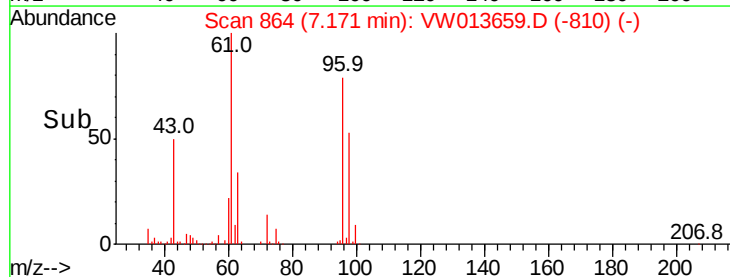
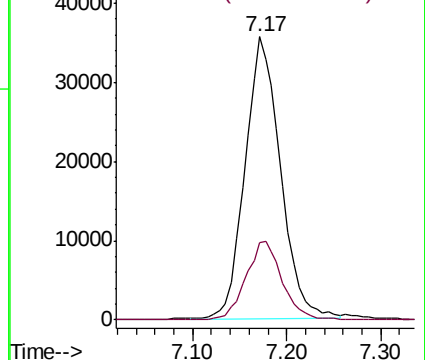
Ion Ratio Lower Upper

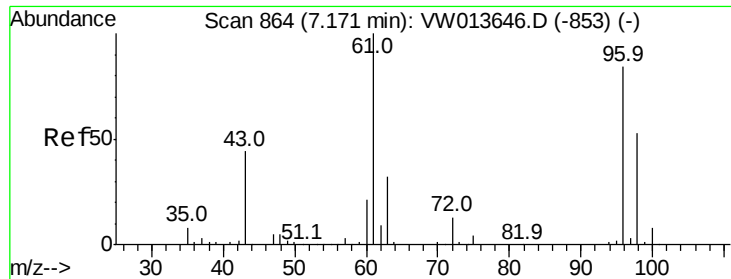
43 100

72 28.3 13.7 41.1



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



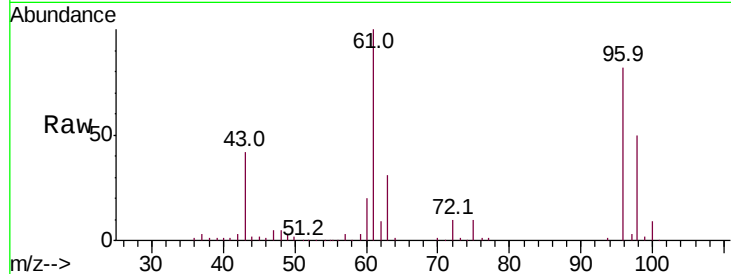


#22

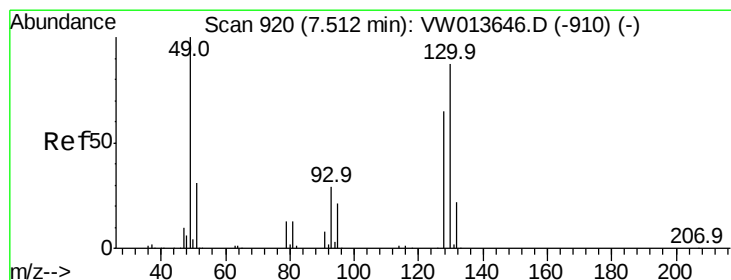
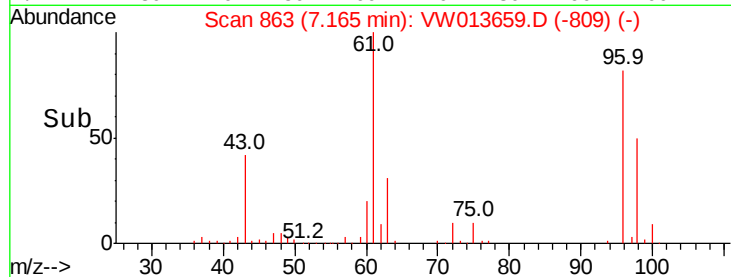
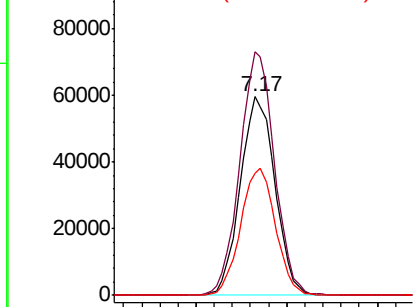
cis-1,2-Dichloroethene
Concen: 24.761 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Tot Ion: 96 Resp: 158193
Ion Ratio Lower Upper
96 100
61 122.7 86.2 160.0
98 61.5 43.0 79.8



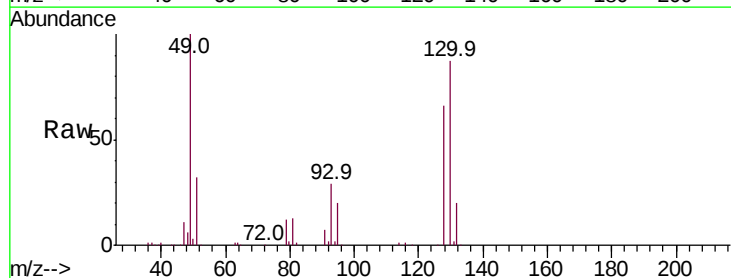
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



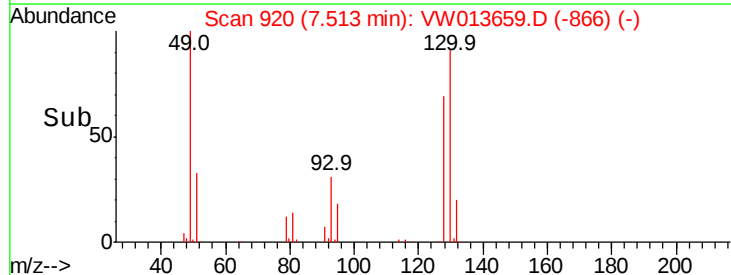
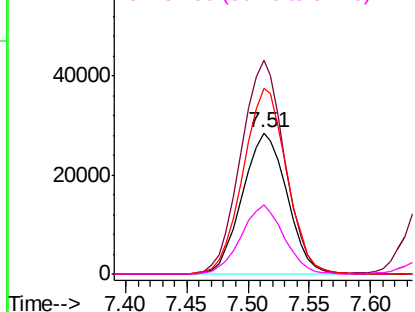
#23

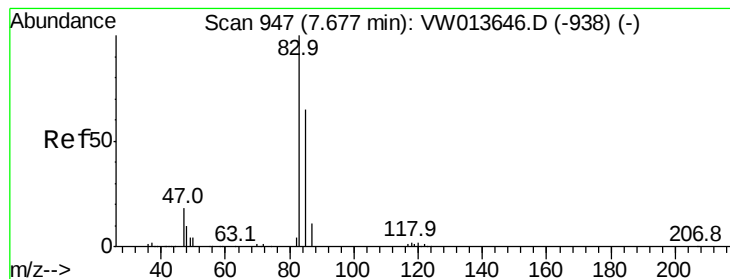
Bromochloromethane
Concen: 25.039 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

Tgt Ion: 128 Resp: 72303
Ion Ratio Lower Upper
128 100
49 151.6 106.3 197.3
130 131.8 93.2 173.2
51 48.7 37.4 56.0



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: 25.049 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

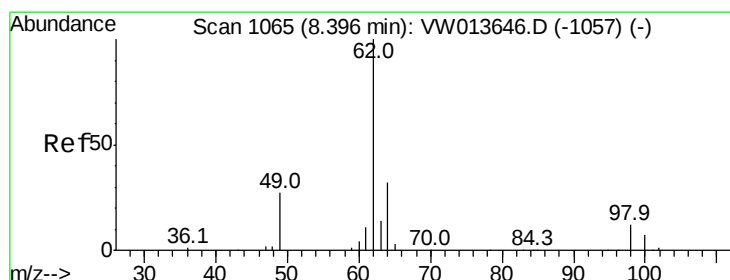
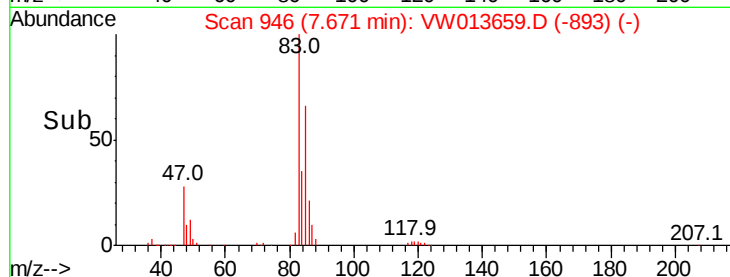
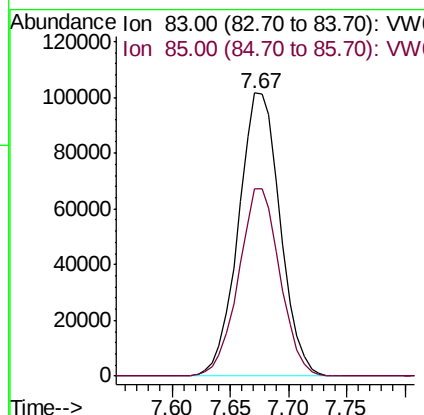
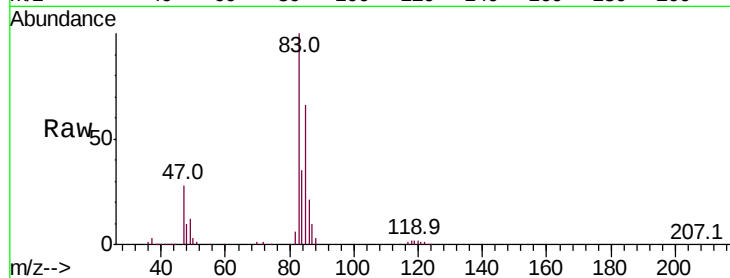
VSTD02527

Tot Ion: 83 Resp: 253495

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.7



#27

1,2-Dichloroethane

Concen: 24.840 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW013659.D

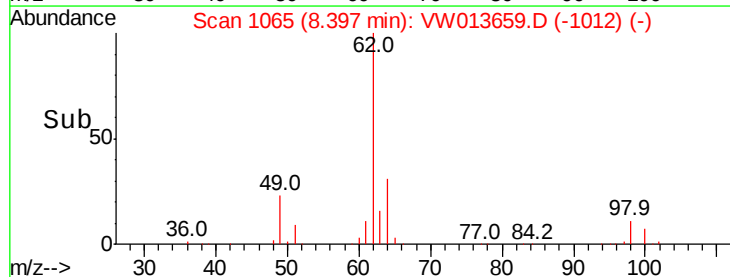
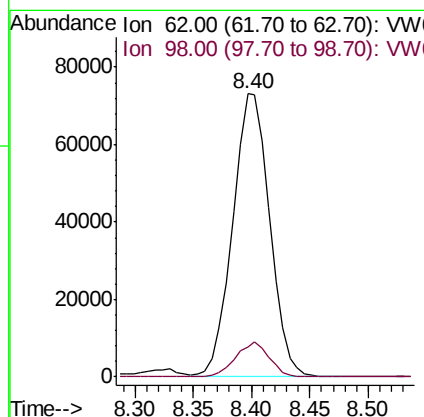
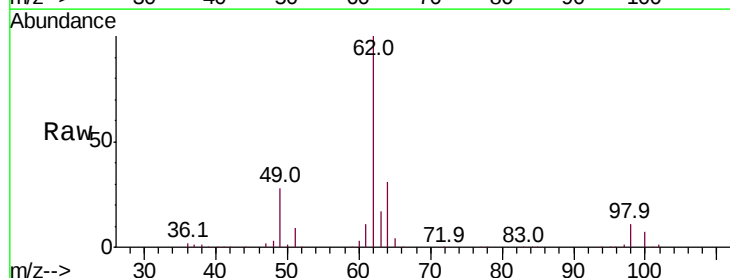
Acq: 22 Oct 2019 17:24

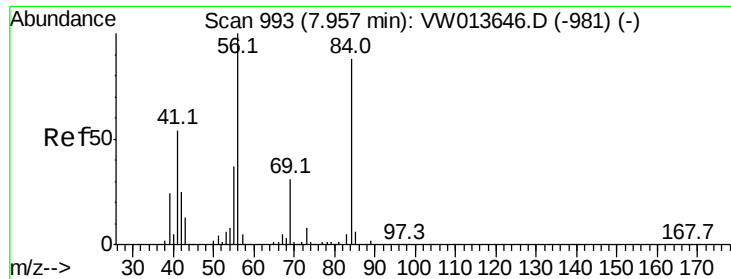
Tgt Ion: 62 Resp: 161119

Ion Ratio Lower Upper

62 100

98 10.5 9.6 14.4

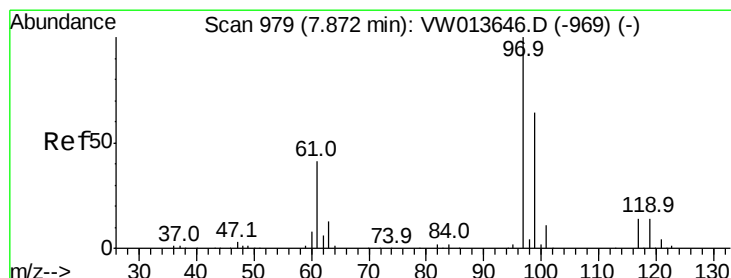
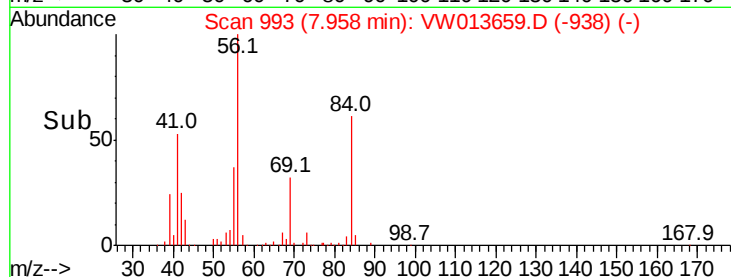
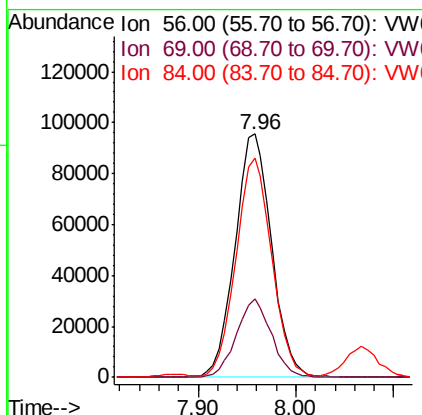
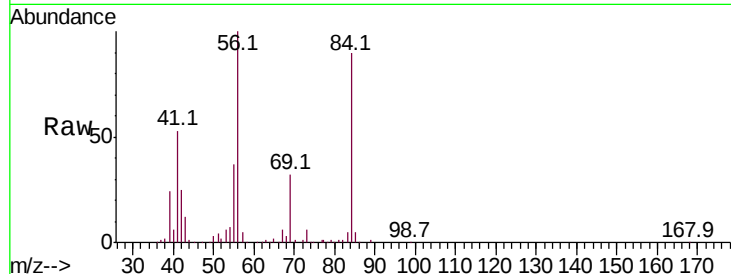




#30
Cyclohexane
Concen: 25.972 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

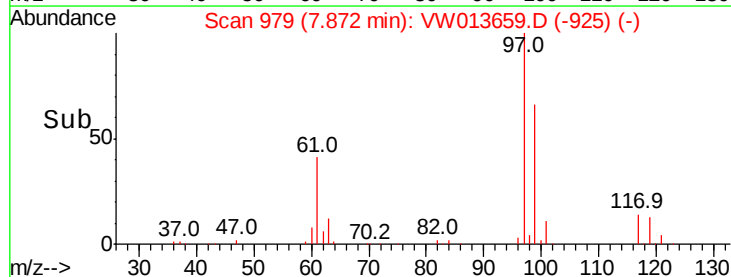
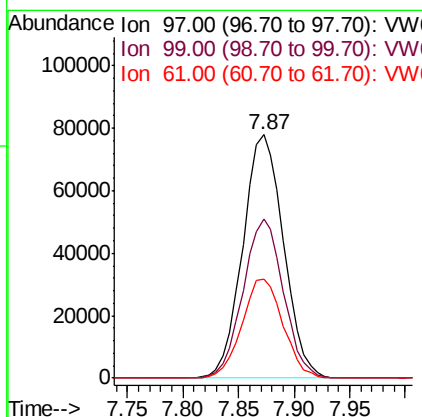
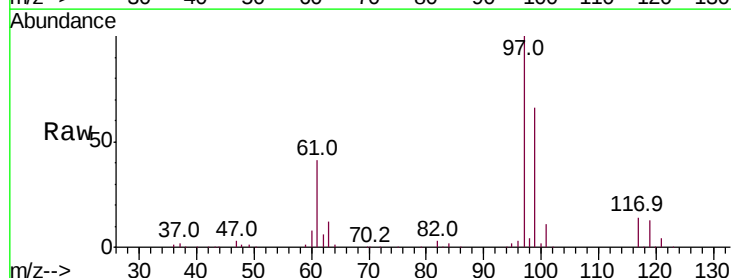
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

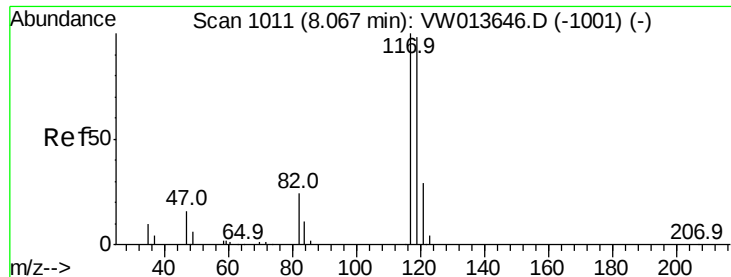
Tot Ion: 56 Resp: 247467
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 88.6 71.1 106.7



#31
1,1,1-Trichloroethane
Concen: 26.222 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

Tgt Ion: 97 Resp: 198908
Ion Ratio Lower Upper
97 100
99 64.4 51.7 77.5
61 40.9 33.8 50.8





#32

Carbon tetrachloride

Concen: 26.047 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

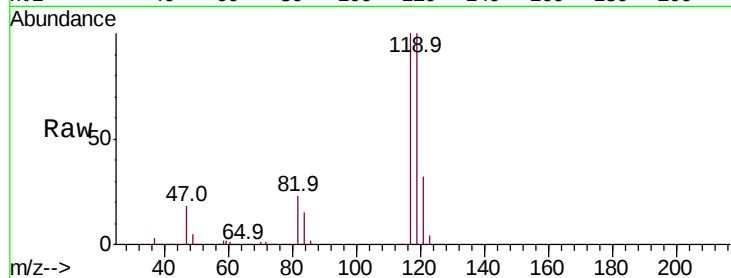
VSTD02527

Tot Ion:117 Resp: 192399

Ion Ratio Lower Upper

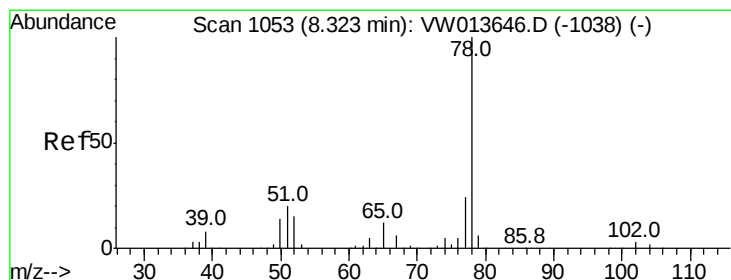
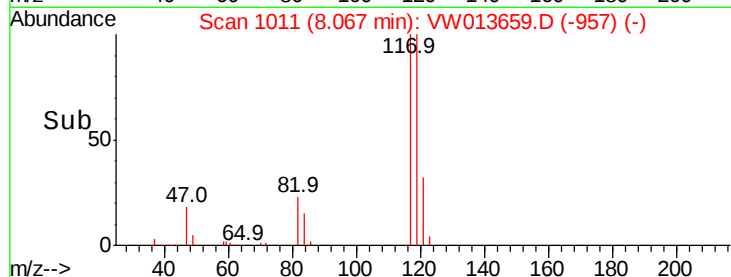
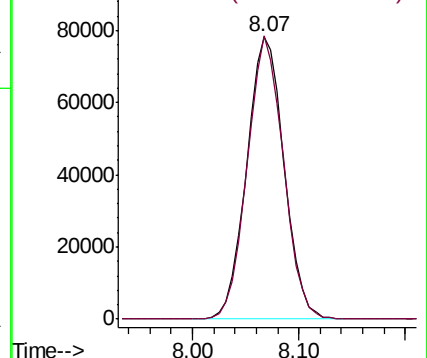
117 100

119 97.2 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: 25.249 ug/L

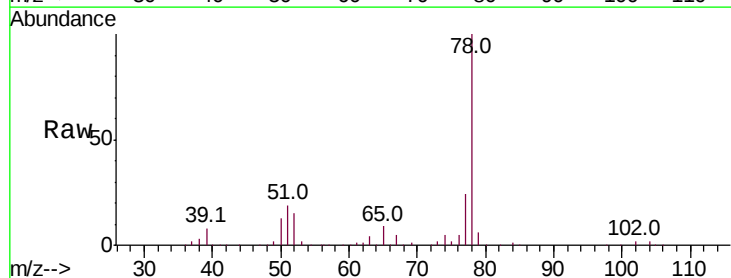
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

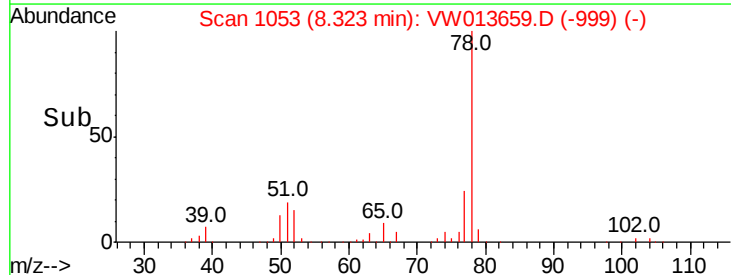
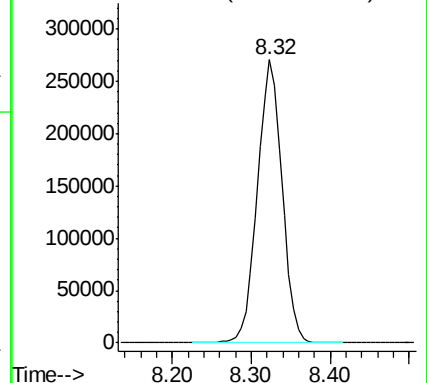
Lab File: VW013659.D

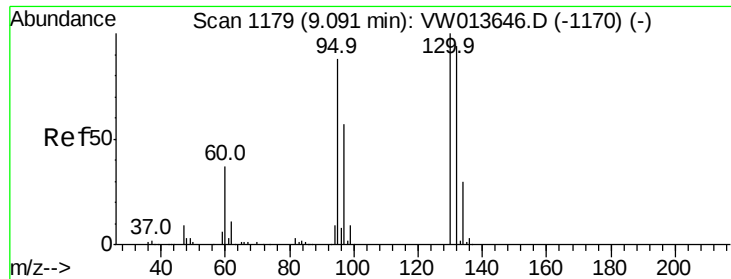
Acq: 22 Oct 2019 17:24

Tgt Ion: 78 Resp: 589194



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.671 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion: 95 Resp: 153699

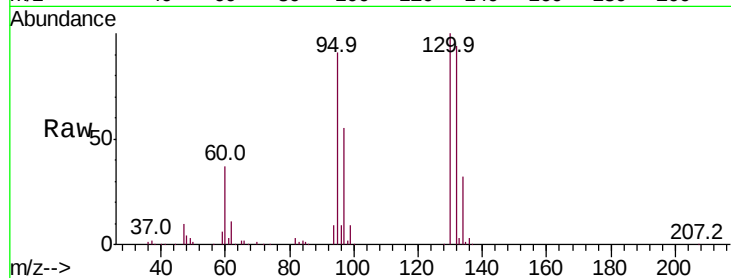
Ion Ratio Lower Upper

95 100

97 63.6 45.8 85.2

132 106.3 74.3 138.1

130 111.1 76.6 142.3

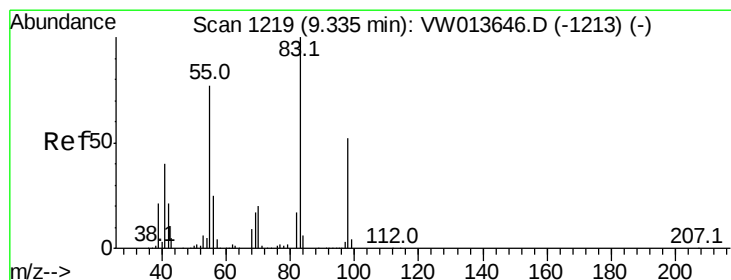
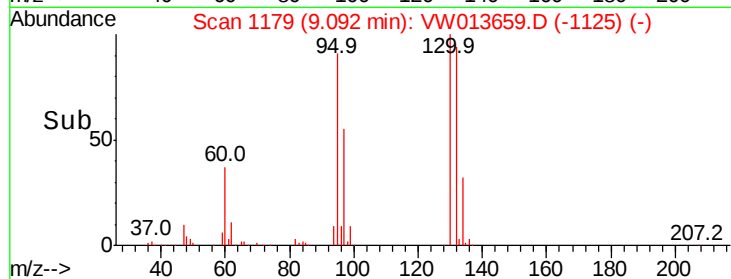
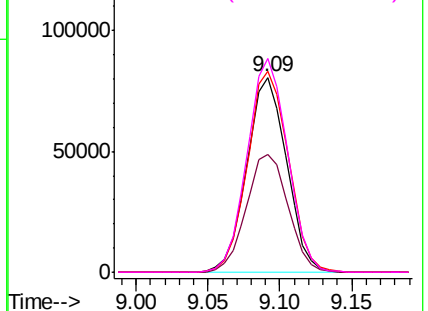


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.567 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

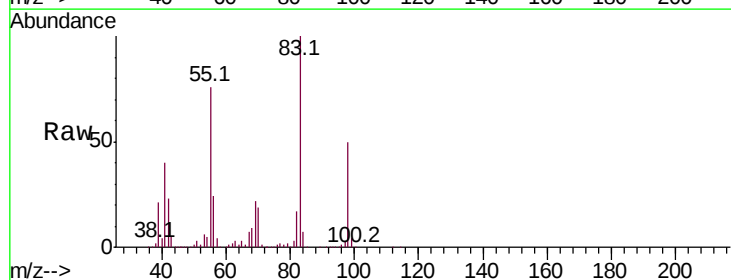
Tgt Ion: 83 Resp: 269810

Ion Ratio Lower Upper

83 100

55 75.7 60.2 90.4

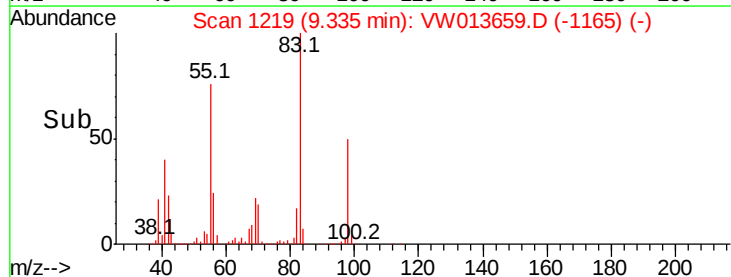
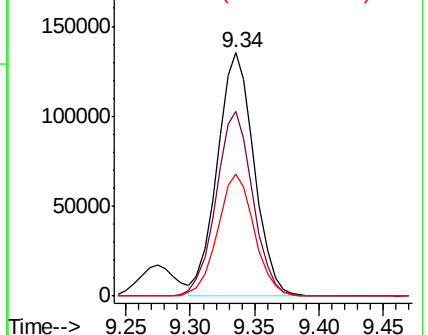
98 50.1 39.1 58.7

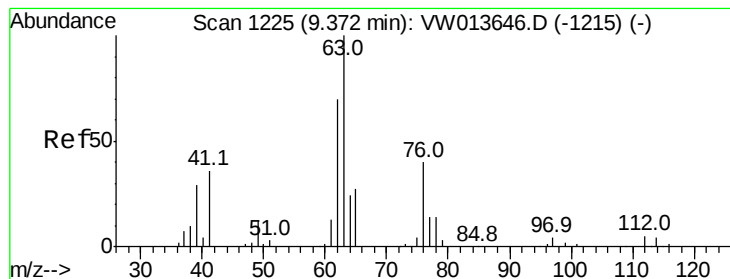


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.107 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

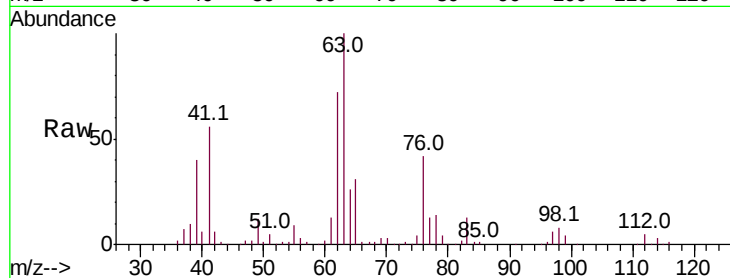
VSTD02527

Tot Ion: 63 Resp: 143255

Ion Ratio Lower Upper

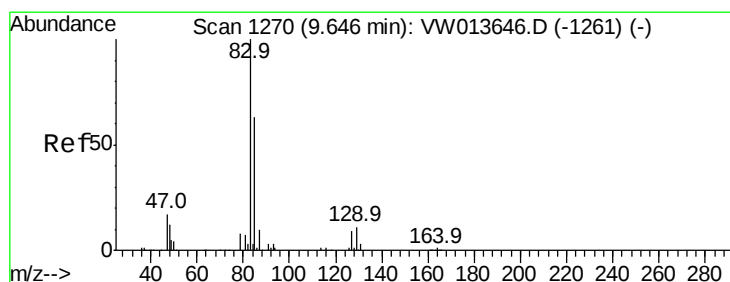
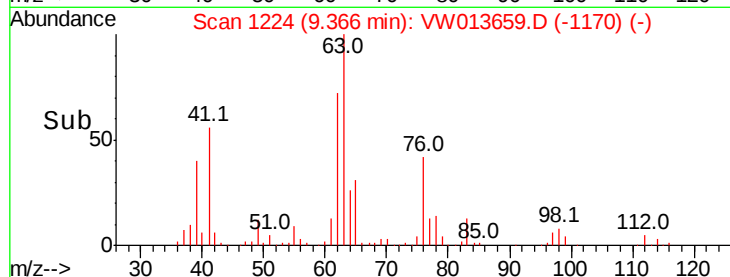
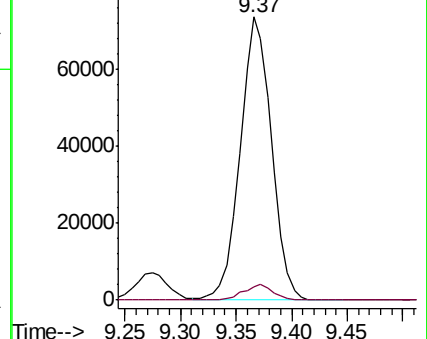
63 100

112 5.1 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.419 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

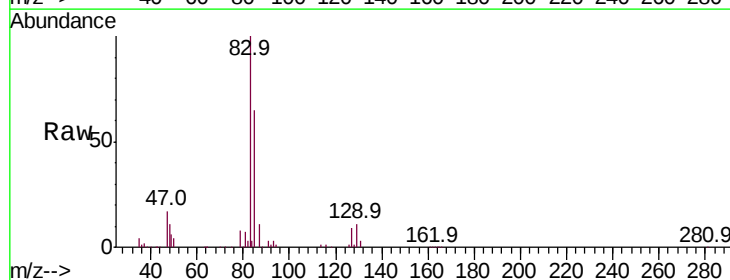
Tgt Ion: 83 Resp: 177708

Ion Ratio Lower Upper

83 100

85 64.5 45.8 85.0

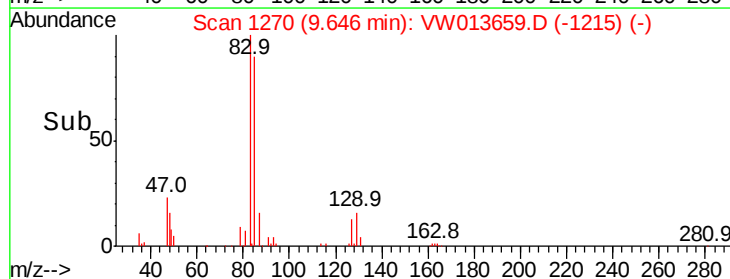
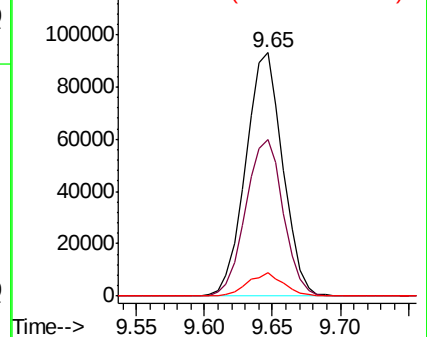
127 9.4 6.6 10.0

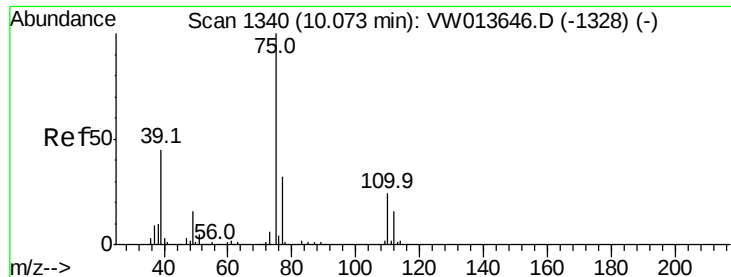


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.524 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

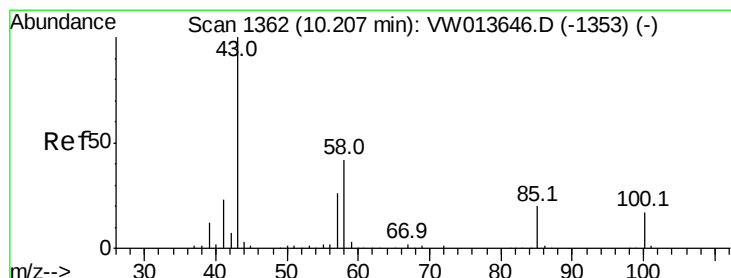
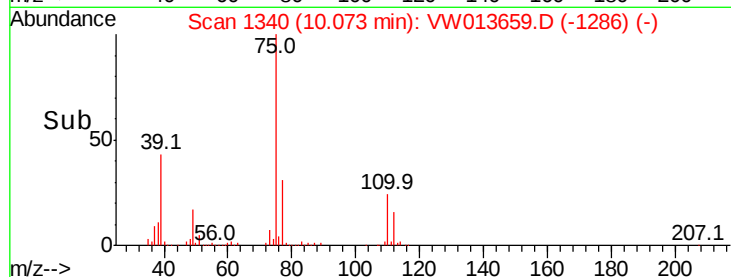
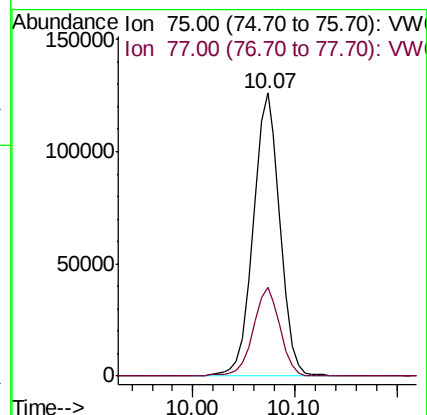
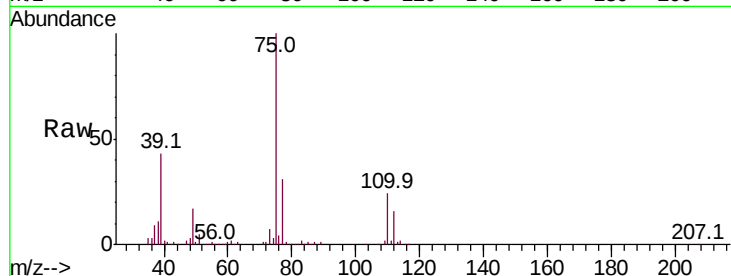
VSTD02527

Tot Ion: 75 Resp: 229928

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 48.697 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

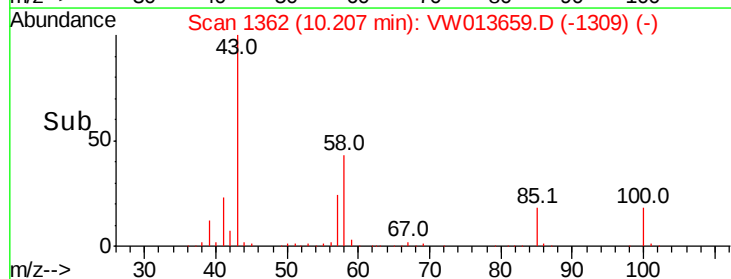
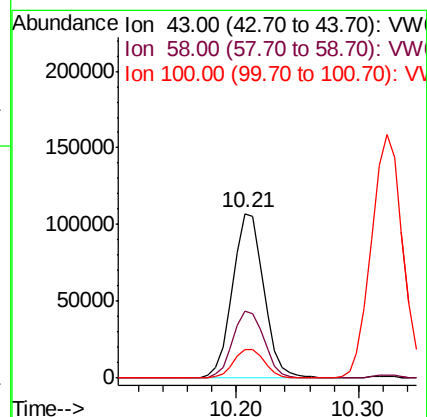
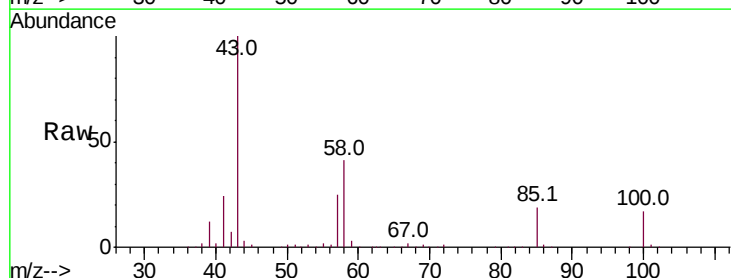
Tgt Ion: 43 Resp: 189569

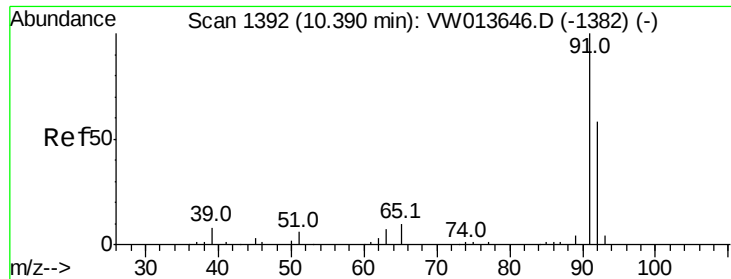
Ion Ratio Lower Upper

43 100

58 41.3 32.8 49.2

100 17.5 13.7 20.5





#44

Toluene

Concen: 25.718 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

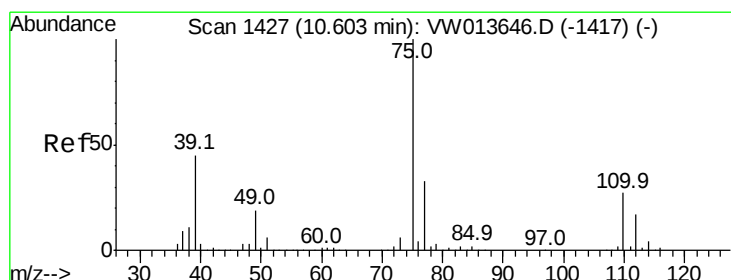
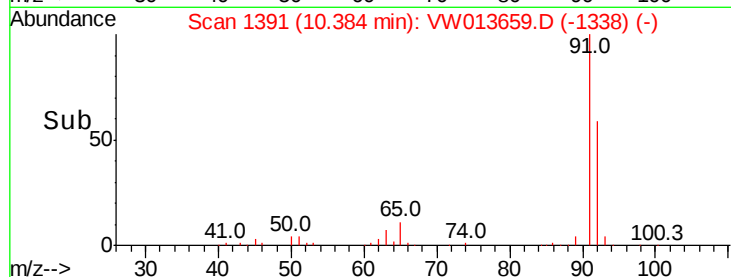
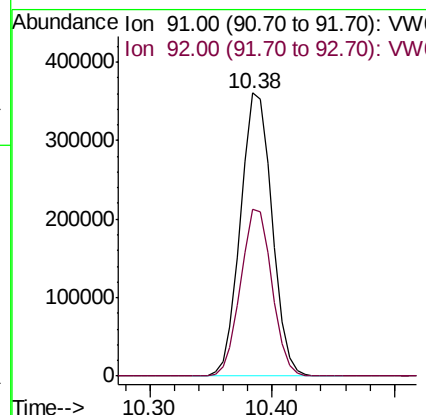
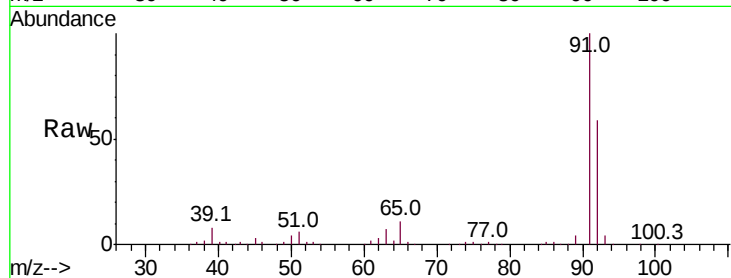
VSTD02527

Tot Ion: 91 Resp: 644804

Ion Ratio Lower Upper

91 100

92 58.8 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 25.246 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013659.D

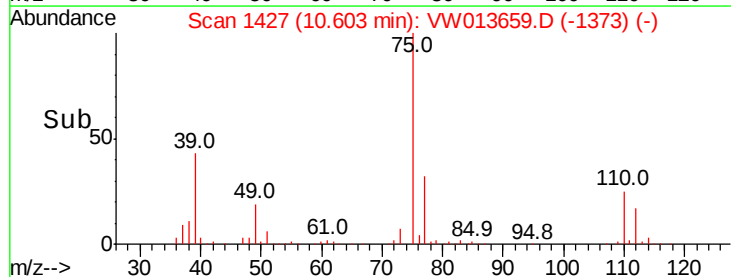
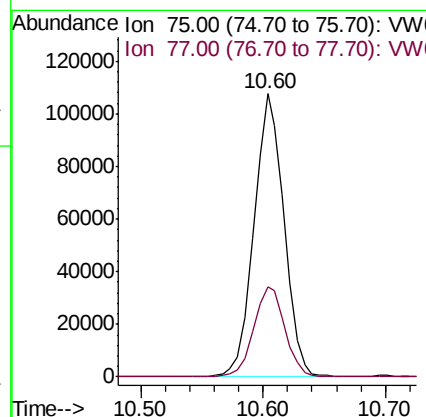
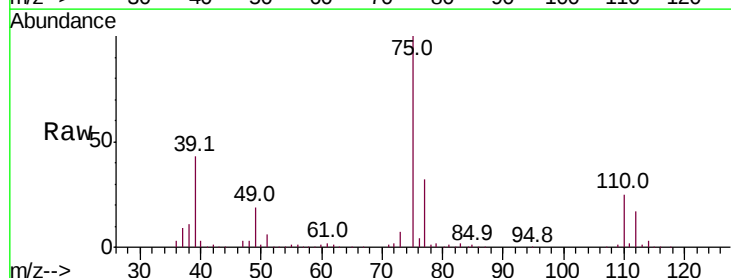
Acq: 22 Oct 2019 17:24

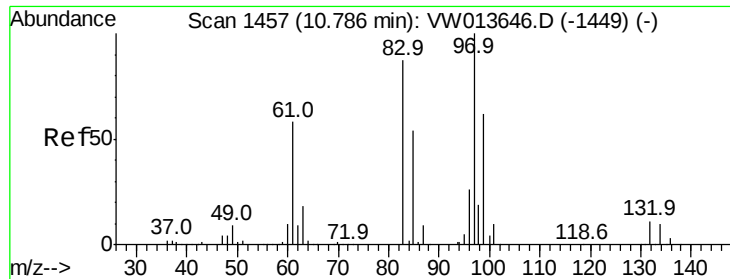
Tgt Ion: 75 Resp: 183581

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 25.044 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion: 97 Resp: 110204

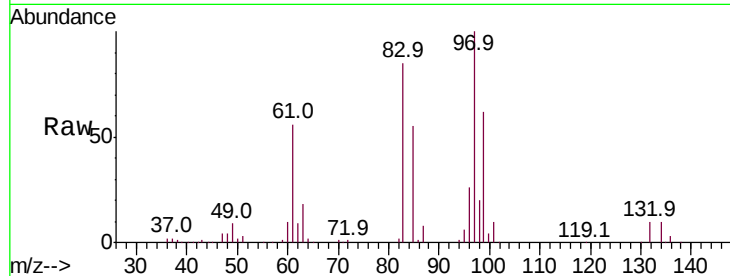
Ion Ratio Lower Upper

97 100

83 85.3 57.7 107.3

85 55.1 38.6 71.6

99 61.5 44.7 82.9

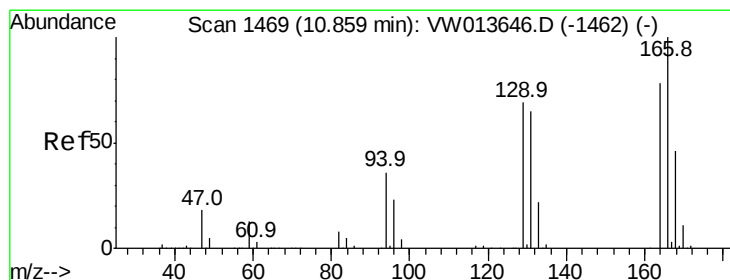
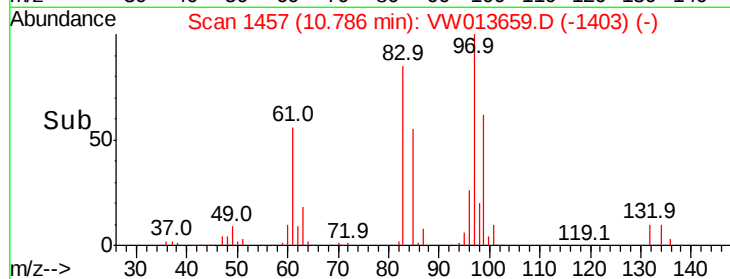
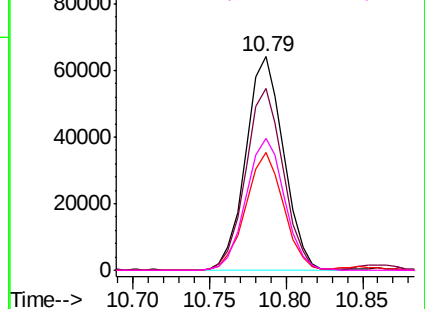


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.023 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Tgt Ion:164 Resp: 142618

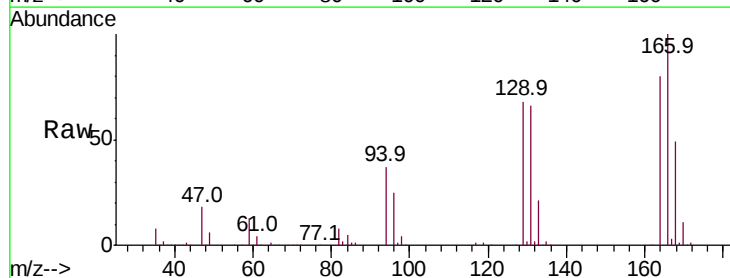
Ion Ratio Lower Upper

164 100

129 84.4 61.8 114.8

131 82.7 59.2 110.0

166 125.0 89.2 165.8

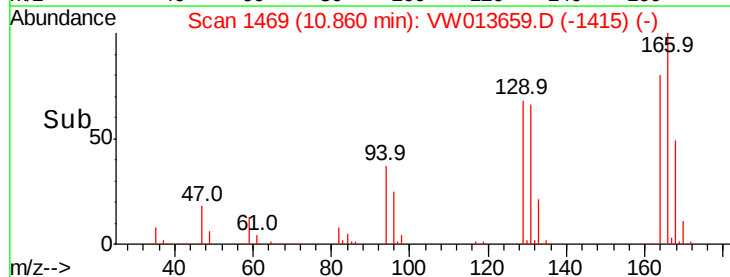
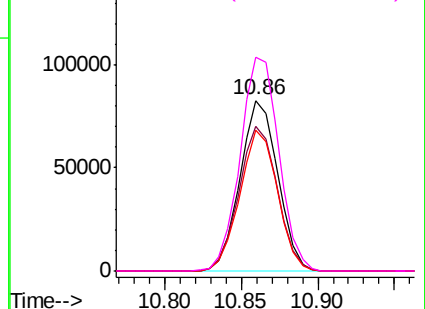


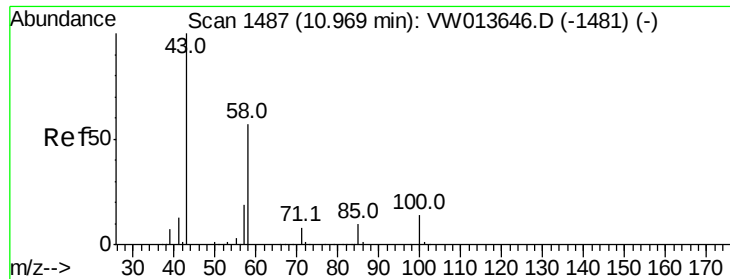
Abundance Ion 164.00 (163.70 to 164.70): V

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: 50.203 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion: 43 Resp: 138647

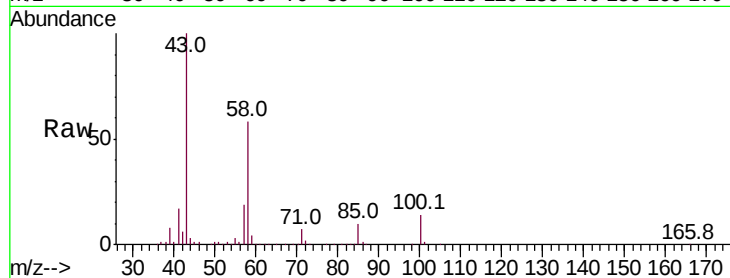
Ion Ratio Lower Upper

43 100

58 57.5 45.8 68.6

57 19.8 15.4 23.2

100 14.1 10.8 16.2

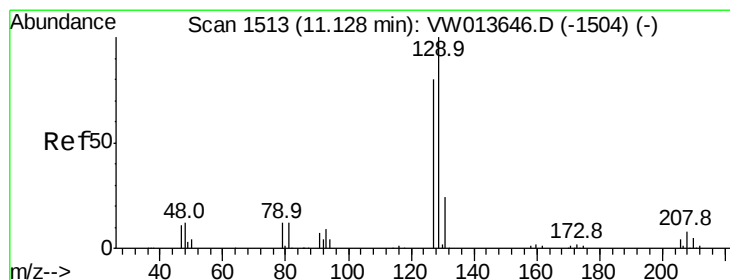
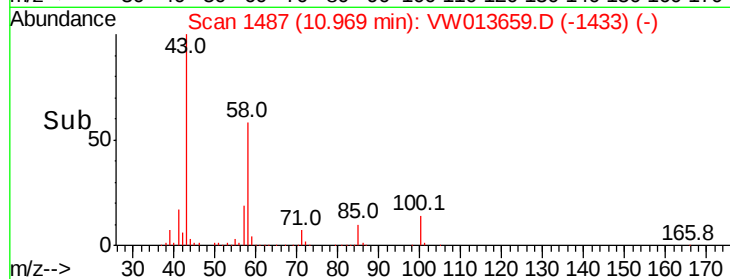
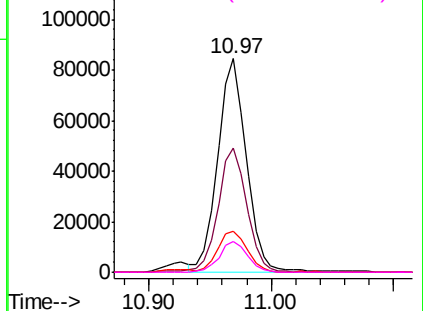


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.542 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013659.D

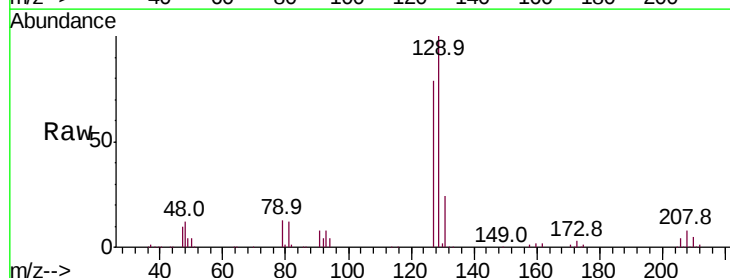
Acq: 22 Oct 2019 17:24

Tgt Ion: 129 Resp: 132650

Ion Ratio Lower Upper

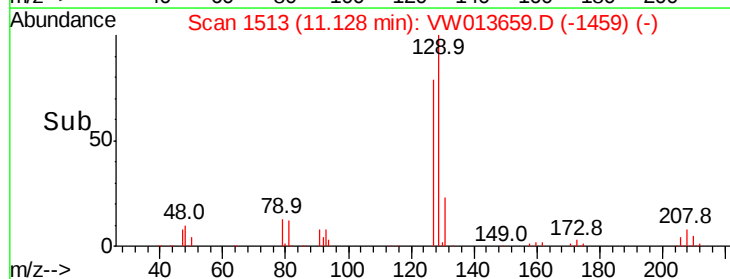
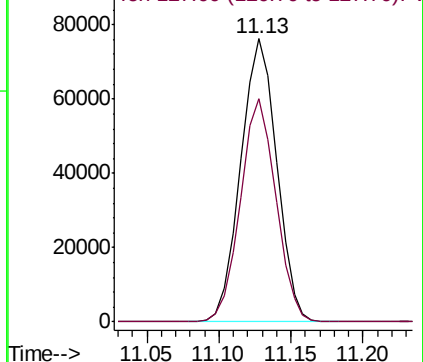
129 100

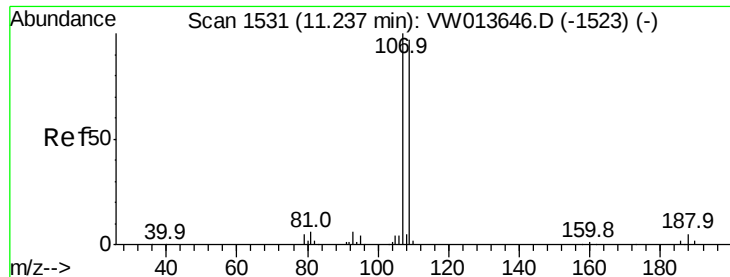
127 78.7 51.4 95.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

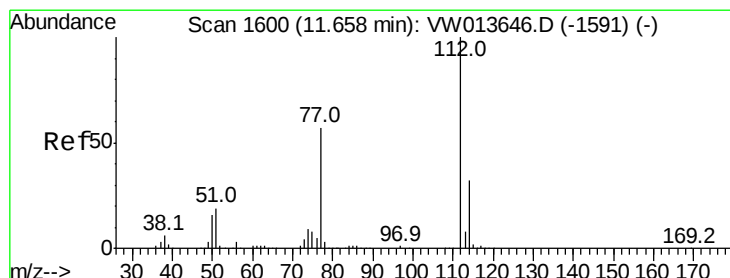
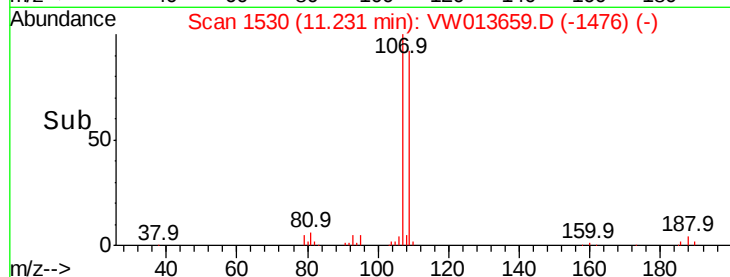
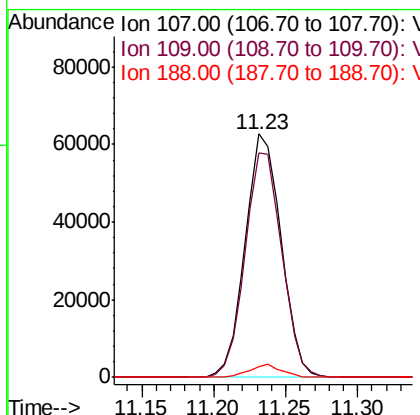
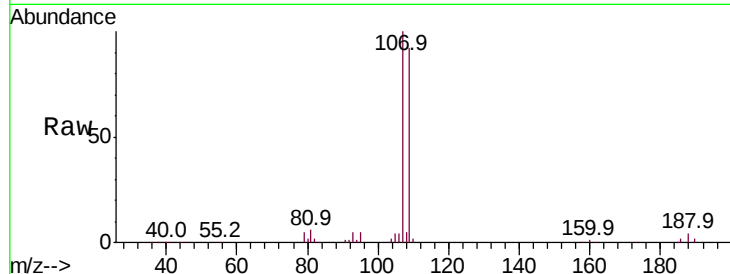




#51
1,2-Dibromoethane
Concen: 25.331 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

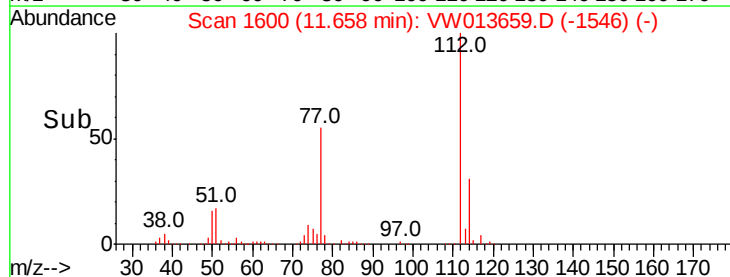
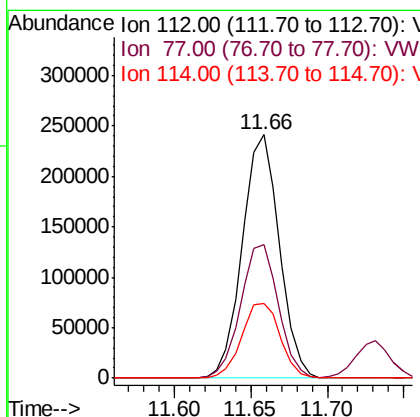
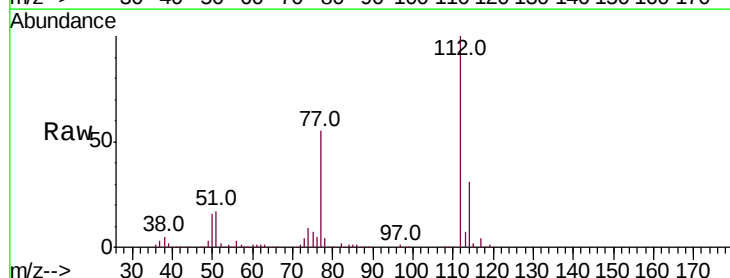
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

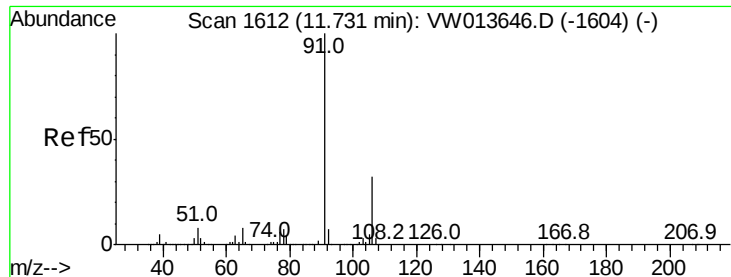
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	64.0	118.8
188	4.1	3.4	5.2



#52
Chlorobenzene
Concen: 25.338 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.0	44.1	66.1
114	30.8	23.4	43.4

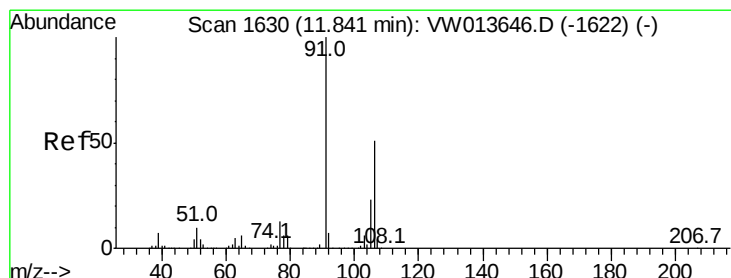
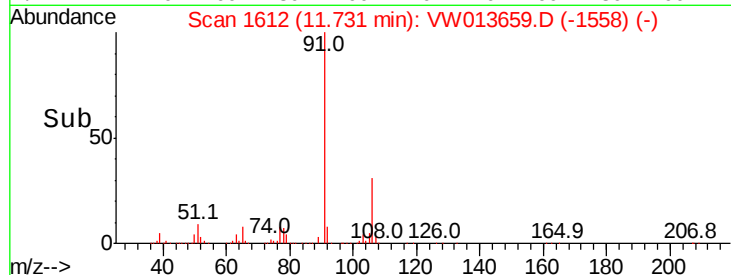
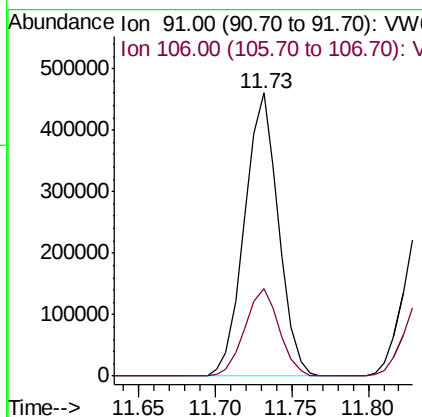
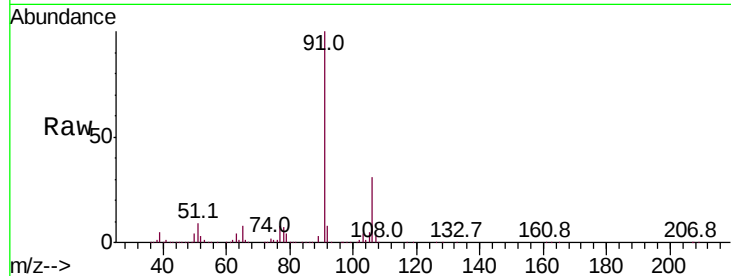




#53
Ethylbenzene
Concen: 25.605 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

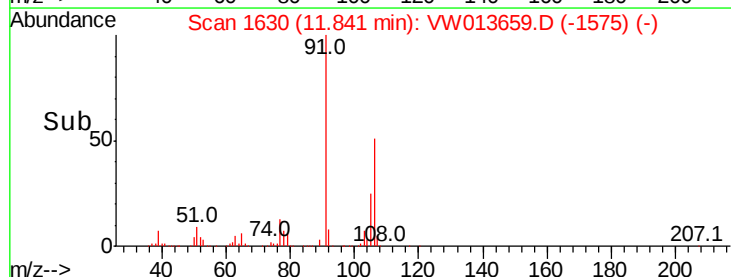
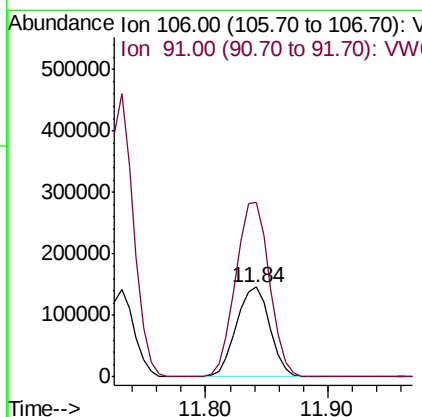
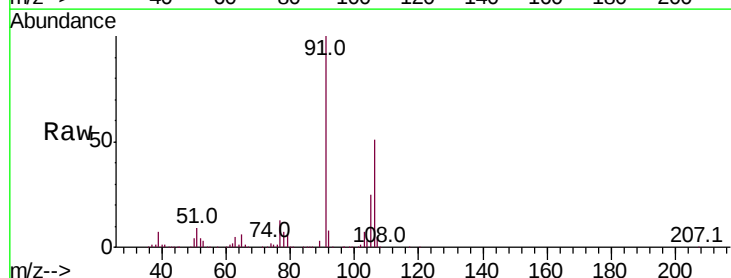
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

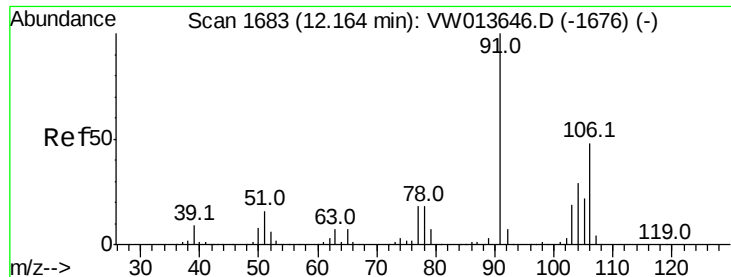
Tot Ion: 91 Resp: 709287
Ion Ratio Lower Upper
91 100
106 30.8 22.3 41.3



#54
m,p-Xylene
Concen: 25.944 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

Tgt Ion: 106 Resp: 277723
Ion Ratio Lower Upper
106 100
91 194.5 137.7 255.7





#55

o-xylene

Concen: 25.692 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

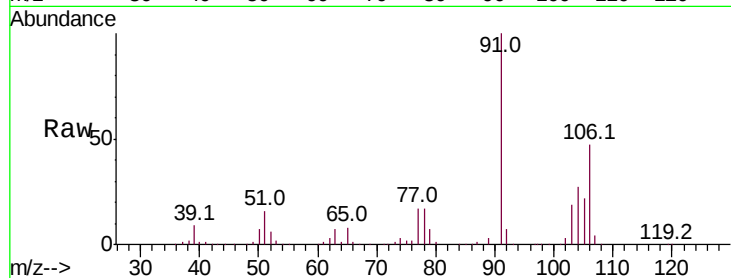
VSTD02527

Tot Ion:106 Resp: 260991

Ion Ratio Lower Upper

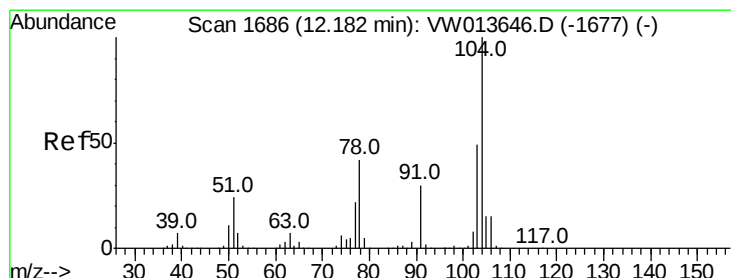
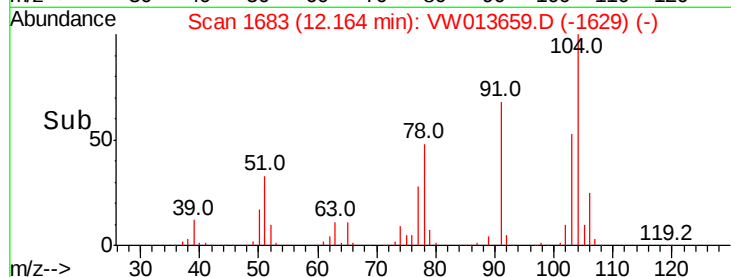
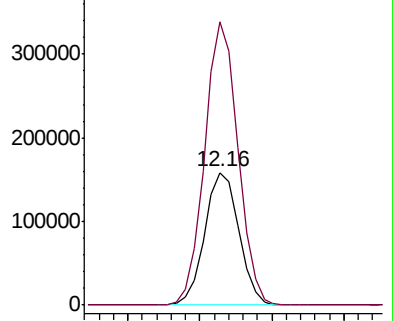
106 100

91 213.7 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.939 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013659.D

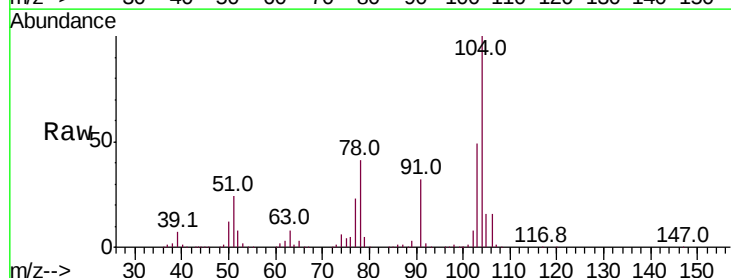
Acq: 22 Oct 2019 17:24

Tgt Ion:104 Resp: 450757

Ion Ratio Lower Upper

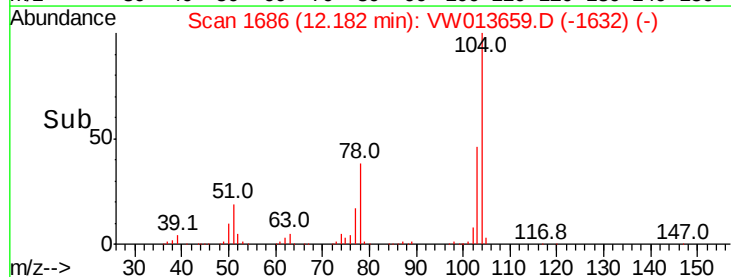
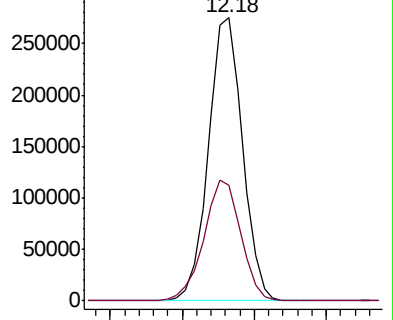
104 100

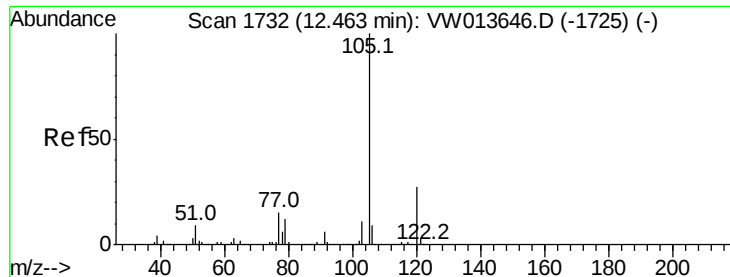
78 40.9 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.856 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

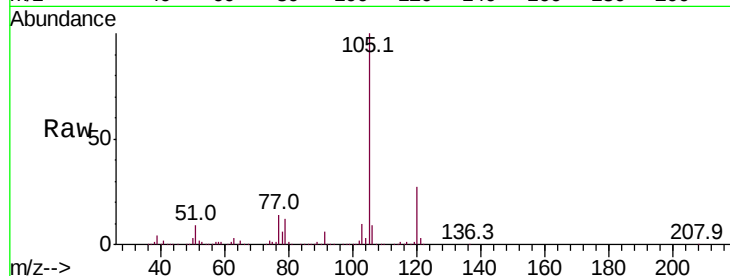
Tot Ion:105 Resp: 704543

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

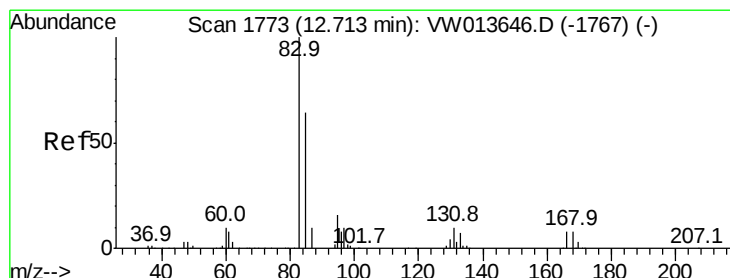
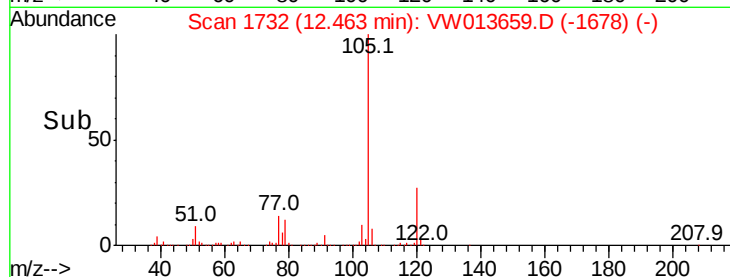
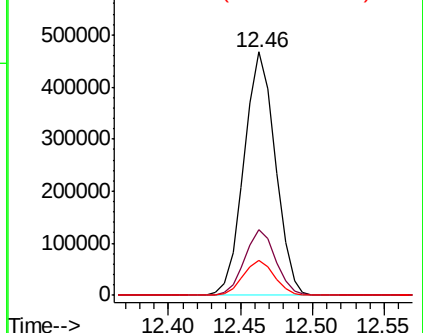
77 14.3 11.4 17.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.501 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

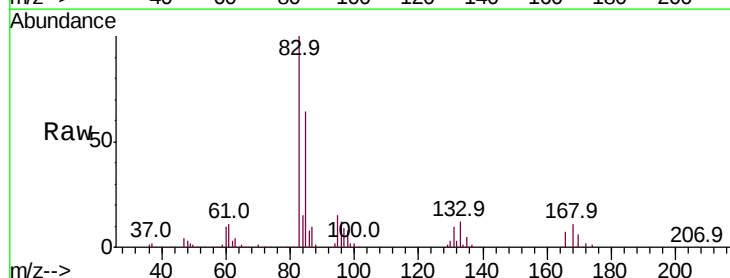
Tgt Ion: 83 Resp: 131526

Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.3

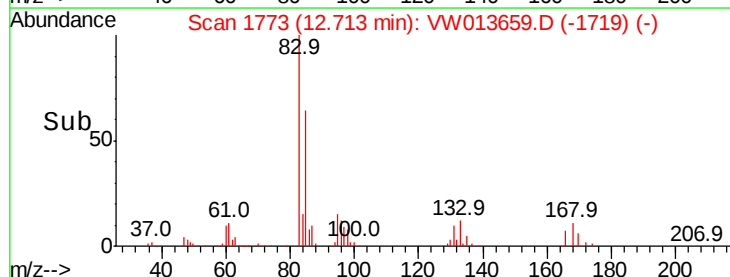
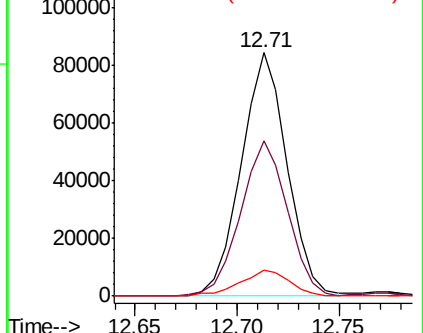
131 10.5 8.6 13.0

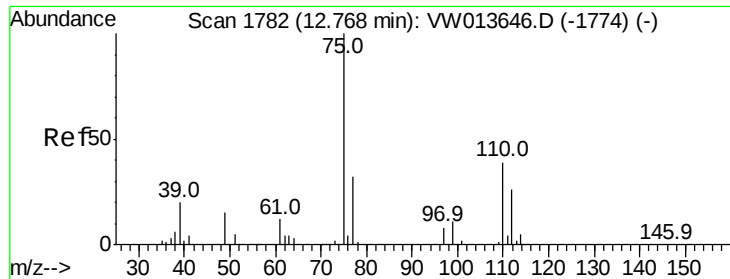


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

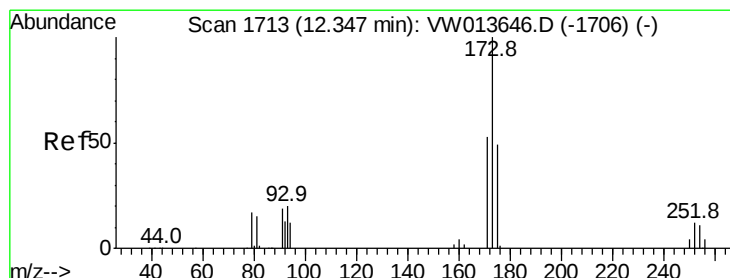
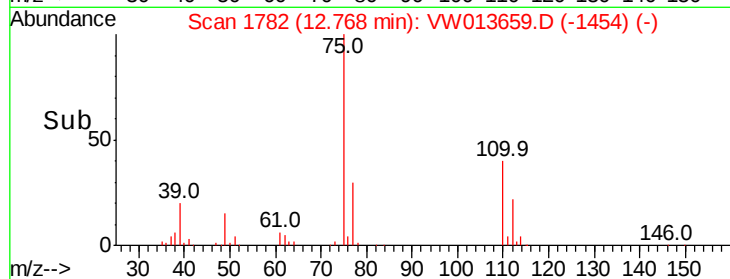
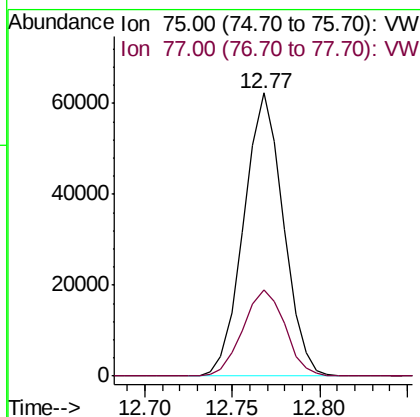
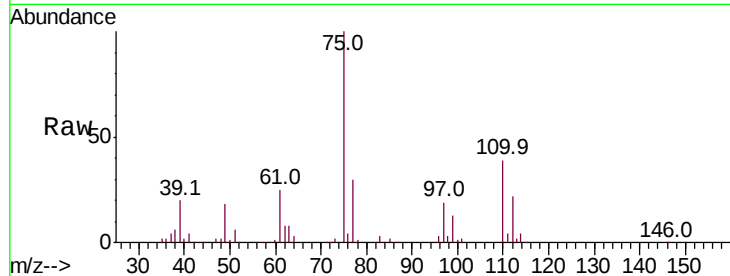




#59
 1,2,3-Trichloropropane
 Concen: 25.508 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013659.D
 Acq: 22 Oct 2019 17:24

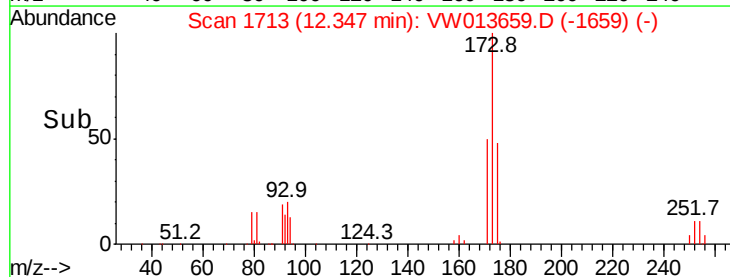
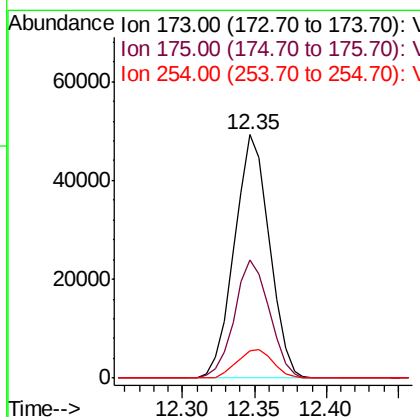
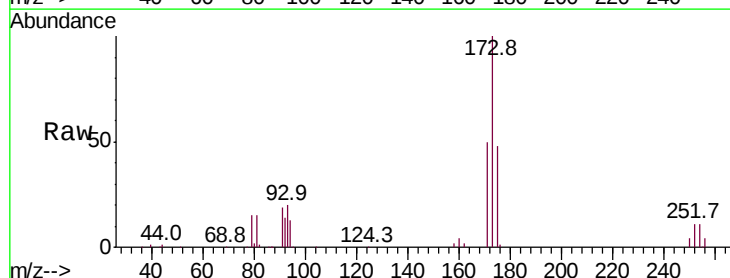
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

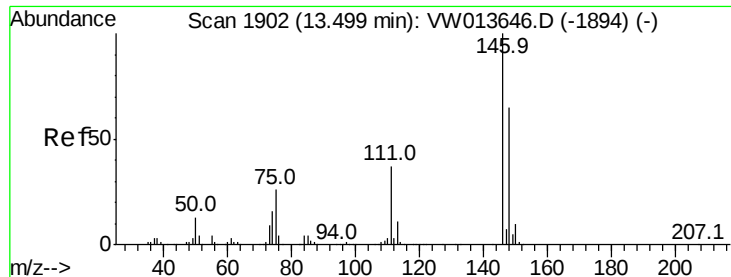
Tot Ion: 75 Resp: 98107
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.4 39.6



#62
 Bromoform
 Concen: 24.414 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013659.D
 Acq: 22 Oct 2019 17:24

Tgt Ion: 173 Resp: 83499
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.1 58.7
 254 12.0 9.6 14.4

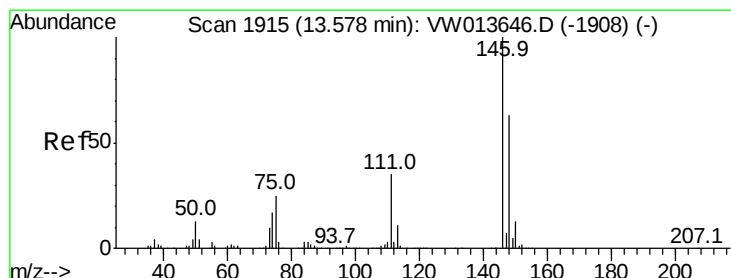
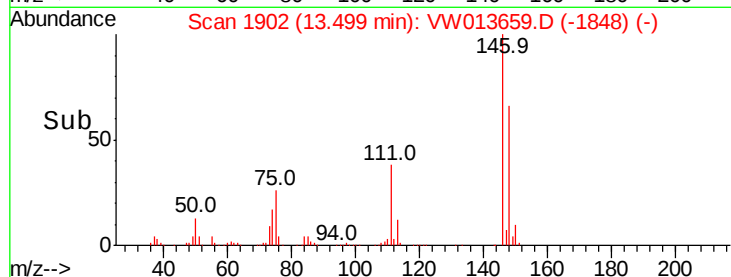
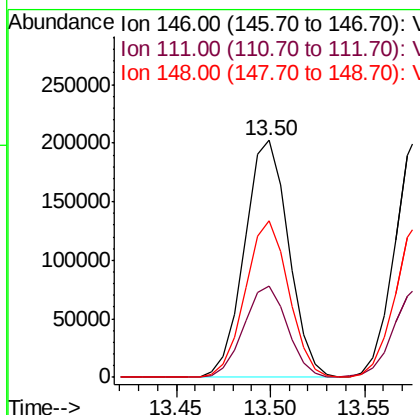
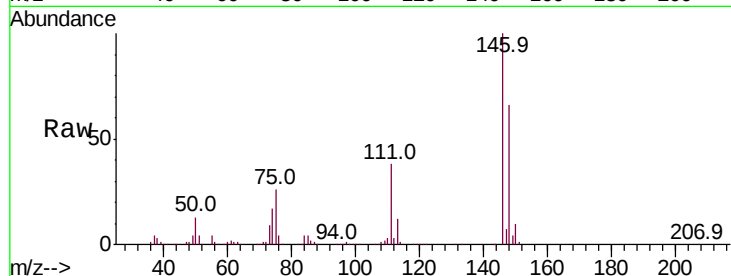




#63
 1,3-Dichlorobenzene
 Concen: 24.293 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013659.D
 Acq: 22 Oct 2019 17:24

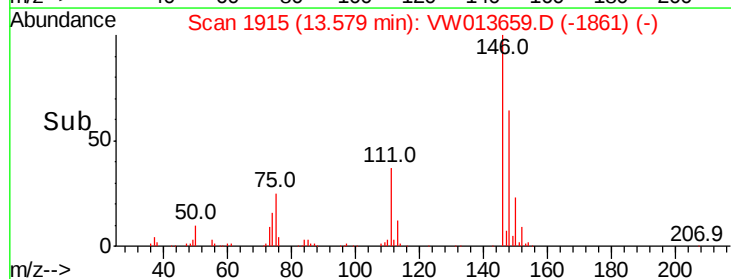
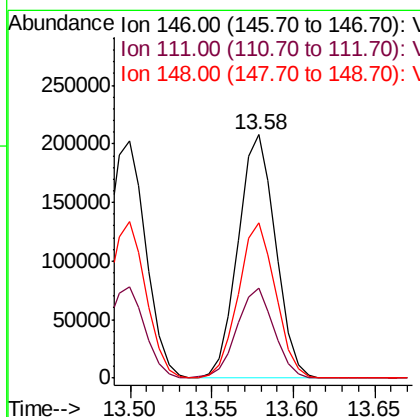
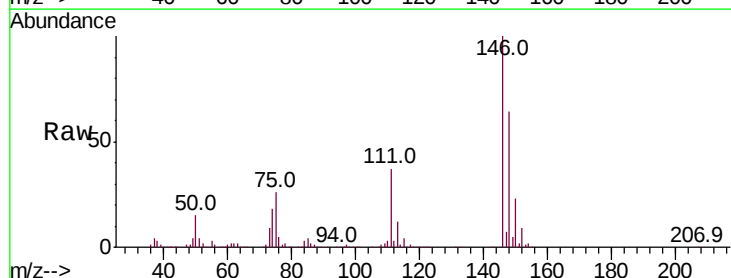
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

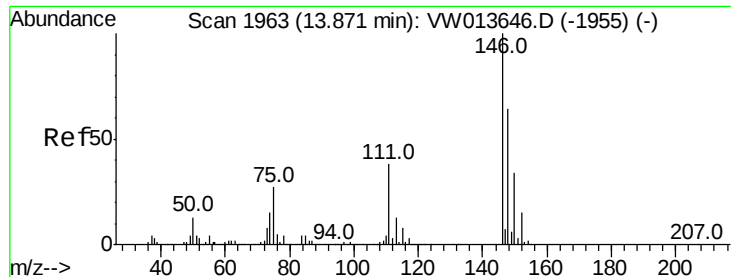
Tot Ion:146 Resp: 328965
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.1 48.5
 148 65.9 45.8 85.2



#64
 1,4-Dichlorobenzene
 Concen: 24.542 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013659.D
 Acq: 22 Oct 2019 17:24

Tgt Ion:146 Resp: 333956
 Ion Ratio Lower Upper
 146 100
 111 37.2 24.8 46.0
 148 63.7 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 24.315 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

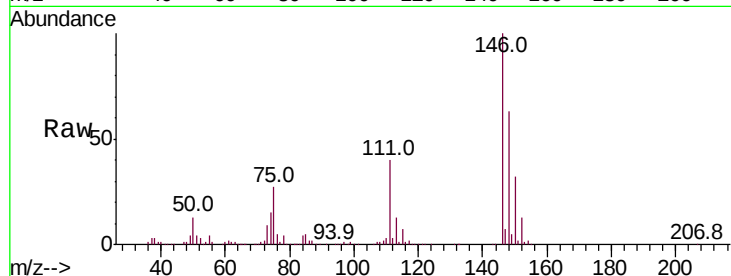
Tot Ion:146 Resp: 298325

Ion Ratio Lower Upper

146 100

111 39.5 30.7 46.1

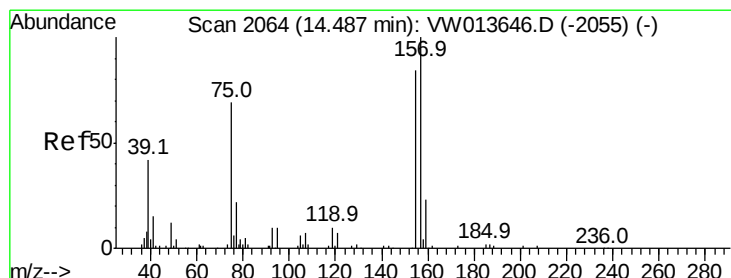
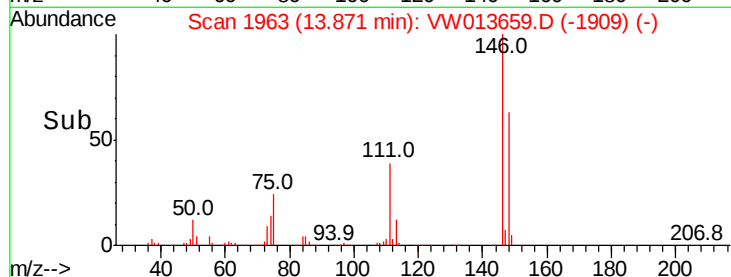
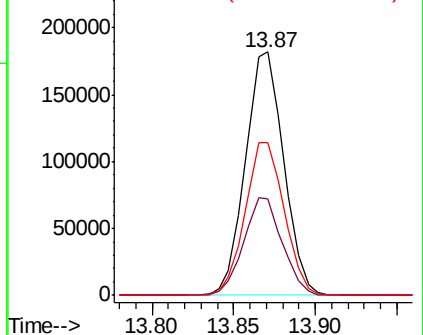
148 62.9 53.3 79.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 24.412 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013659.D

Acq: 22 Oct 2019 17:24

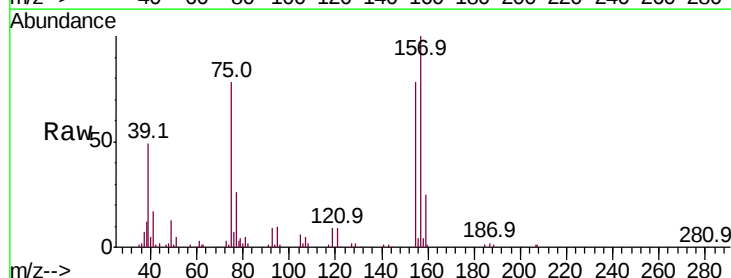
Tgt Ion: 75 Resp: 20587

Ion Ratio Lower Upper

75 100

157 128.6 99.4 149.0

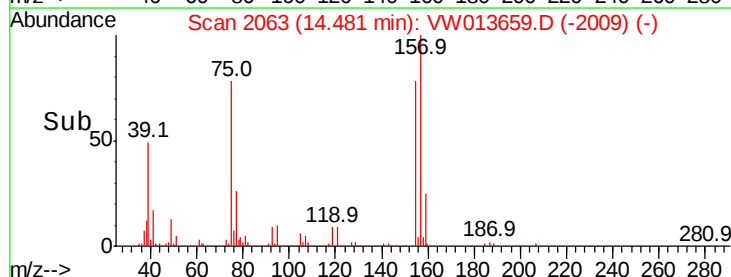
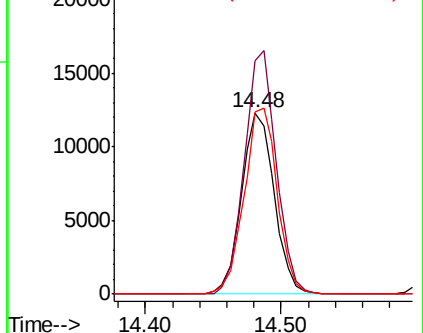
155 100.6 69.7 104.5

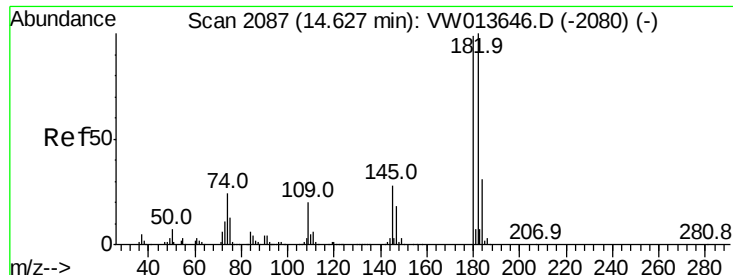


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

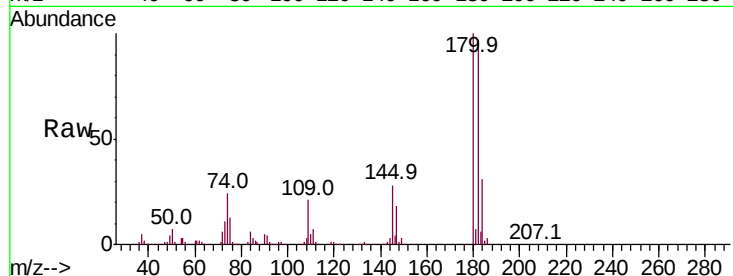




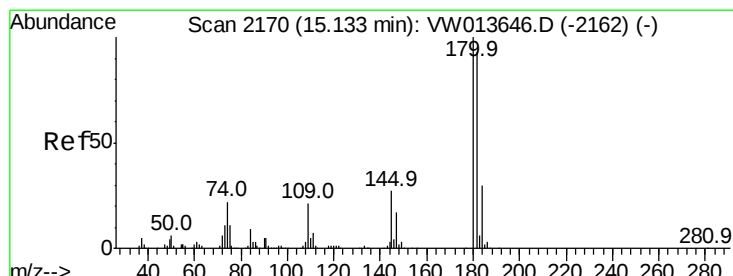
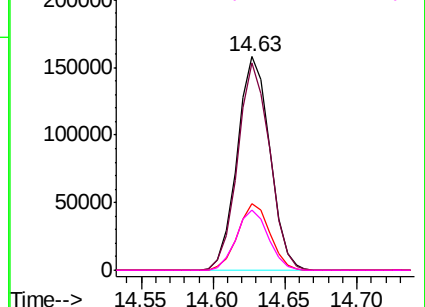
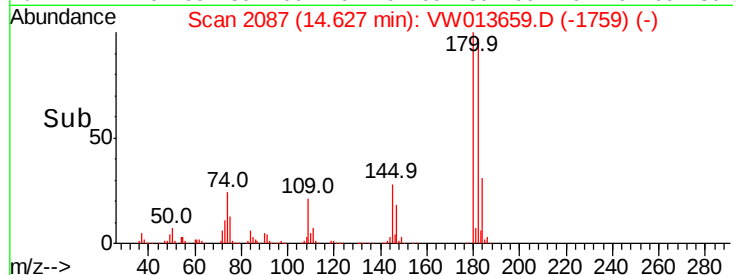
#67
 1,3,5-Trichlorobenzene
 Concen: 24.830 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013659.D
 Acq: 22 Oct 2019 17:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion:180	Resp:	249959
Ion Ratio	Lower	Upper
180	100	
182	94.9	76.2 114.4
184	30.7	24.1 36.1
145	27.6	21.8 32.8

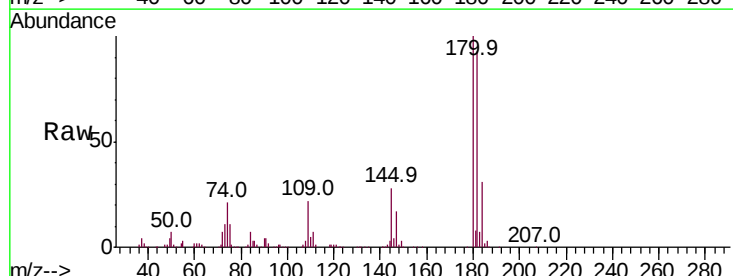


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

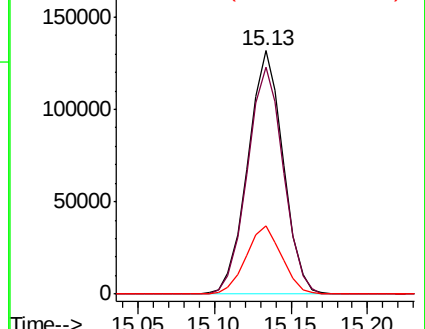
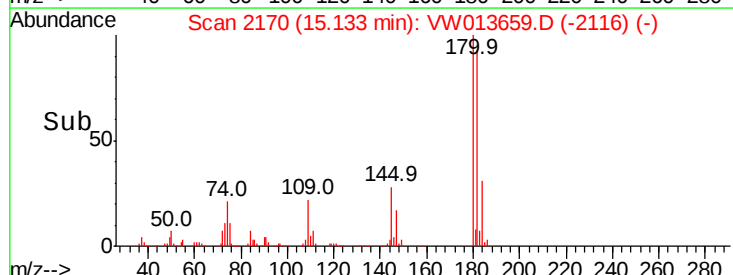


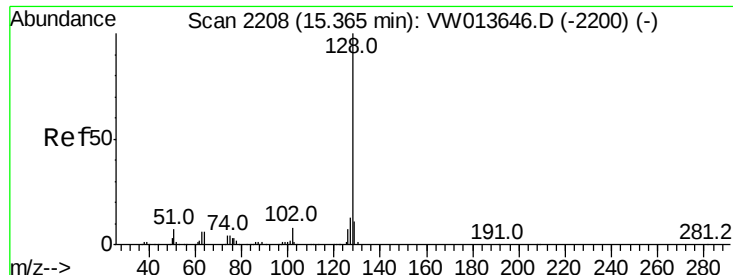
#68
 1,2,4-trichlorobenzene
 Concen: 24.771 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013659.D
 Acq: 22 Oct 2019 17:24

Tgt Ion:180	Resp:	211706
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.8 113.8
145	28.4	22.6 34.0



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

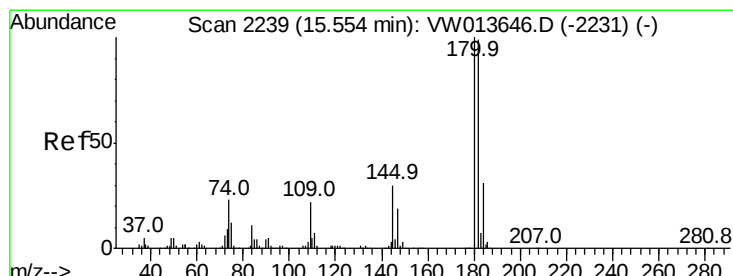
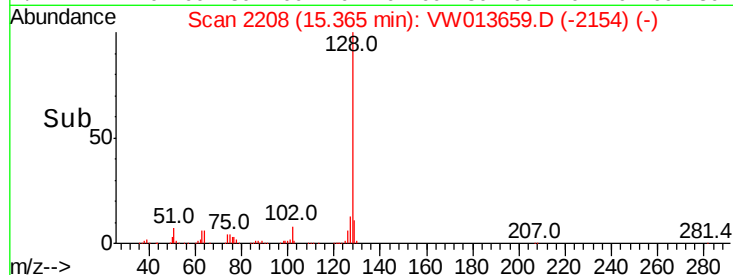
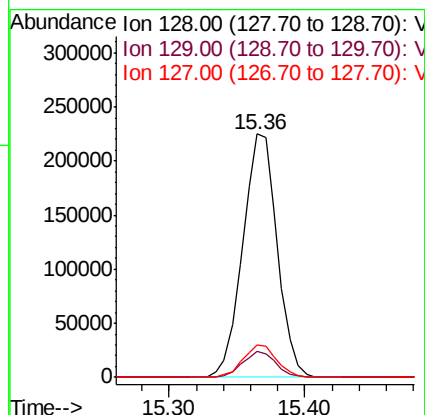
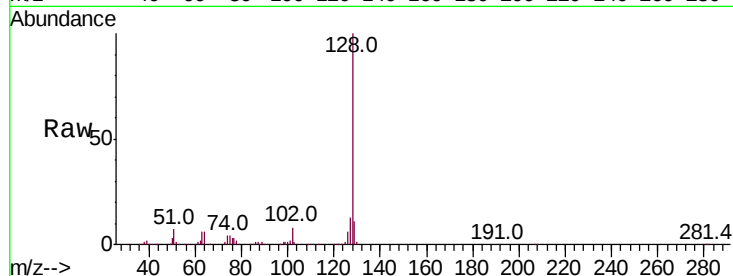




#69
Naphthalene
Concen: 25.689 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Tot Ion:128 Resp: 397823
Ion Ratio Lower Upper
128 100
129 10.4 8.6 13.0
127 13.0 10.5 15.7



#70
1,2,3-Trichlorobenzene
Concen: 24.612 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013659.D
Acq: 22 Oct 2019 17:24

Tgt Ion:180 Resp: 188368
Ion Ratio Lower Upper
180 100
182 95.7 77.0 115.4
145 30.3 24.1 36.1

