

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\
 Data File : VW013757.D
 Acq On : 25 Oct 2019 19:09
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Oct 26 03:42:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 26 03:37:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	295860	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	275148	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	158474	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	94447	26.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.08%
7) Chloroethane-d5	2.89	69	83410	24.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.48%
10) 1,1-Dichloroethene-d2	4.03	63	208787	26.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.16%
20) 2-Butanone-d5	7.07	46	62403	48.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.14%
24) Chloroform-d	7.65	84	211328	25.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.12%
26) 1,2-Dichloroethane-d4	8.31	65	102785	23.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.96%
29) Benzene-d6	8.27	84	425446	25.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.96%
33) 1,2-Dichloropropane-d6	9.27	67	129091	26.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.60%
37) Toluene-d8	10.32	98	388535	25.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.92%
38) trans-1,3-Dichloropropene-	10.58	79	52618	23.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.52%
39) 2-Hexanone-d5	10.93	63	49959	52.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100342	24.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	137515	24.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	75783	22.773	ug/L	96
3) Chloromethane	2.21	50	81979	22.758	ug/L	97
5) Vinyl chloride	2.37	62	129976	28.872	ug/L	98
6) Bromomethane	2.78	94	79830	24.542	ug/L	100
8) Chloroethane	2.93	64	76043	24.996	ug/L	98
9) Trichlorofluoromethane	3.26	101	82993	27.353	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	125015	26.166	ug/L	95
12) 1,1-Dichloroethene	4.04	96	129626	27.568	ug/L	99
13) Acetone	4.13	43	53079	36.836	ug/L	94
14) Carbon disulfide	4.39	76	363784	27.039	ug/L	99
15) Methyl Acetate	4.67	43	51844	22.019	ug/L	99
16) Methylene chloride	4.92	84	126614	22.349	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	153471	23.589	ug/L #	75
18) trans-1,2-Dichloroethene	5.42	96	132344	25.461	ug/L	90
19) 1,1-Dichloroethane	6.21	63	224398	25.505	ug/L	96
21) 2-Butanone	7.17	43	72496	39.625	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	138803	24.878	ug/L	99

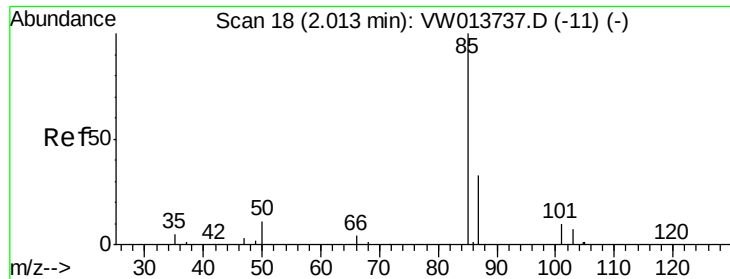
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\
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 Quant Title : VOC Analysis
 QLast Update : Sat Oct 26 03:37:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	59859	23.737	ug/L	98
25) Chloroform	7.67	83	222576	25.184	ug/L	99
27) 1,2-Dichloroethane	8.40	62	134450	23.736	ug/L	97
30) Cyclohexane	7.96	56	226964	28.156	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	183976	28.668	ug/L	99
32) Carbon tetrachloride	8.07	117	180152	28.828	ug/L	99
34) Benzene	8.32	78	527339	26.711	ug/L	100
35) Trichloroethene	9.09	95	139443	27.530	ug/L	98
36) Methylcyclohexane	9.34	83	251556	28.176	ug/L	98
40) 1,2-Dichloropropane	9.37	63	124569	25.806	ug/L	100
41) Bromodichloromethane	9.64	83	153441	25.943	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	189190	24.824	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	149689	45.451	ug/L	99
44) Toluene	10.38	91	569319	26.841	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	150374	24.444	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	89508	24.043	ug/L	98
47) Tetrachloroethene	10.86	164	126569	27.298	ug/L	97
49) 2-Hexanone	10.97	43	105684	45.232	ug/L	98
50) Dibromochloromethane	11.13	129	107445	24.455	ug/L	92
51) 1,2-Dibromoethane	11.23	107	85881	23.722	ug/L	98
52) Chlorobenzene	11.66	112	351968	25.935	ug/L	98
53) Ethylbenzene	11.73	91	618529	26.393	ug/L	98
54) m,p-Xylene	11.84	106	239061	26.397	ug/L	98
55) o-xylene	12.16	106	223651	26.023	ug/L	99
56) Styrene	12.18	104	386723	26.304	ug/L	97
57) Isopropylbenzene	12.46	105	620270	26.907	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	104077	23.852	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	76407	23.482	ug/L	99
62) Bromoform	12.35	173	64805	23.861	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	273294	25.415	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	268740	24.870	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	241865	24.825	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	15786	23.573	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	199990	25.017	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	156774	23.100	ug/L	99
69) Naphthalene	15.36	128	271868	22.107	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	140322	23.088	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 22.773 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

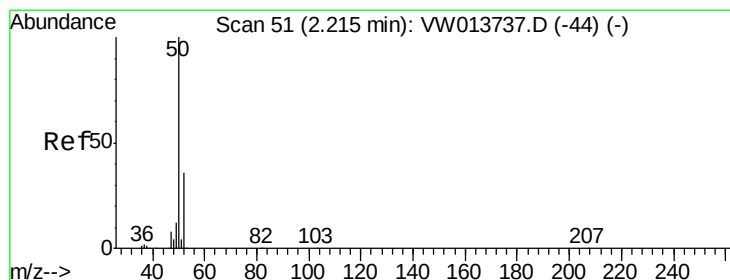
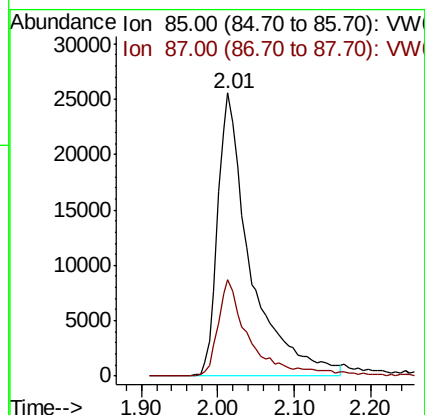
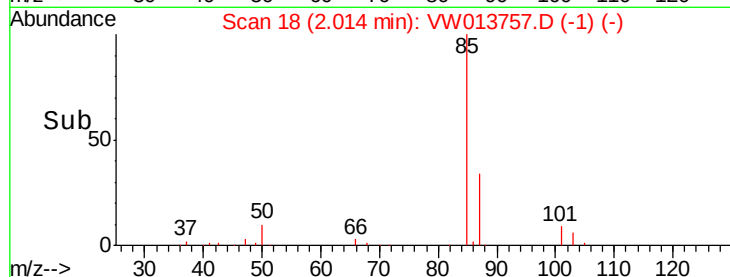
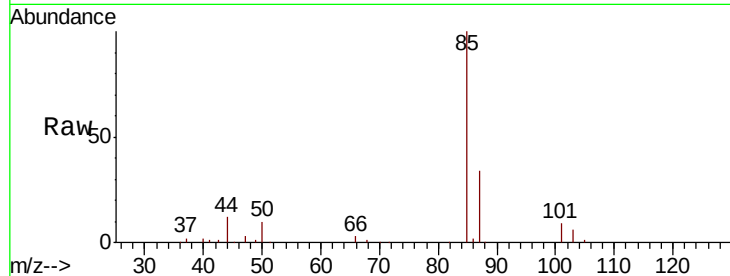
VSTD02529

Tot Ion: 85 Resp: 75783

Ion Ratio Lower Upper

85 100

87 26.9 20.2 37.4



#3

Chloromethane

Concen: 22.758 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013757.D

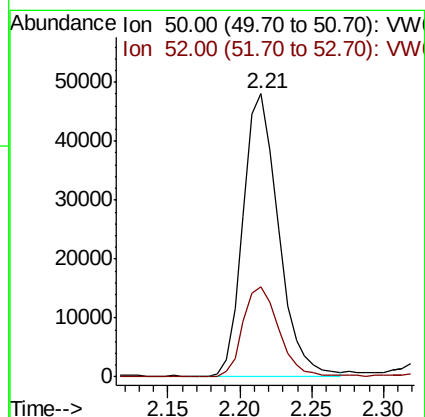
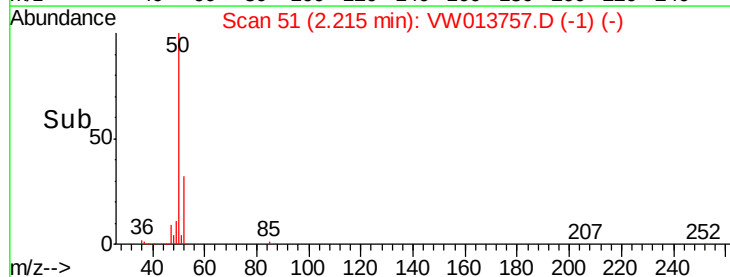
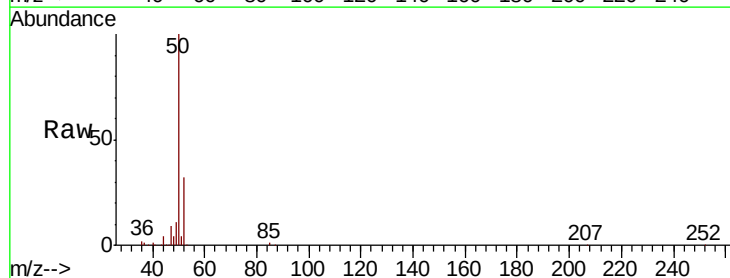
Acq: 25 Oct 2019 19:09

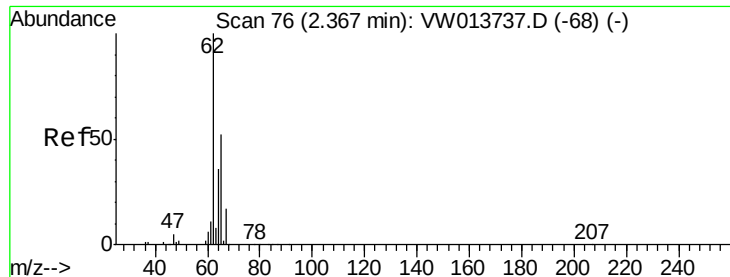
Tgt Ion: 50 Resp: 81979

Ion Ratio Lower Upper

50 100

52 31.6 23.3 43.3





#5

Vinyl chloride

Concen: 28.872 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

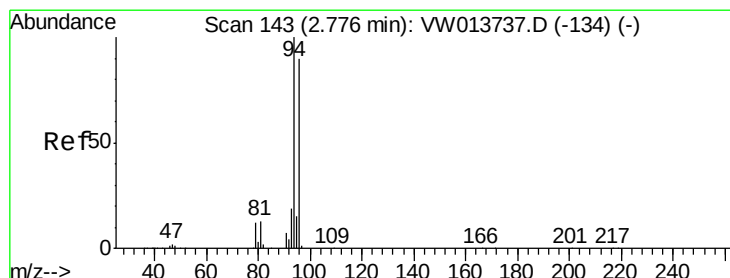
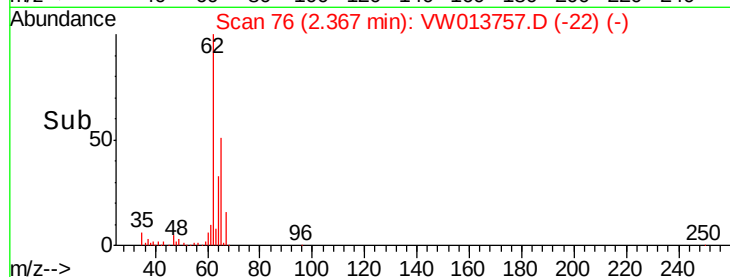
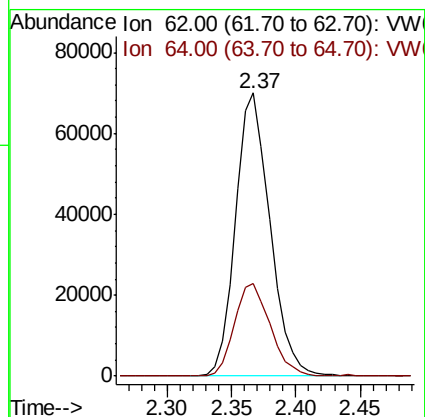
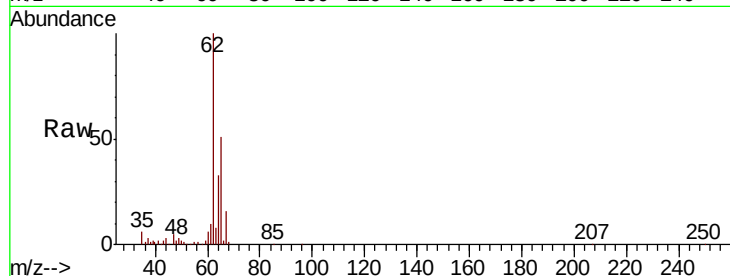
VSTD02529

Tot Ion: 62 Resp: 129976

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.5



#6

Bromomethane

Concen: 24.542 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013757.D

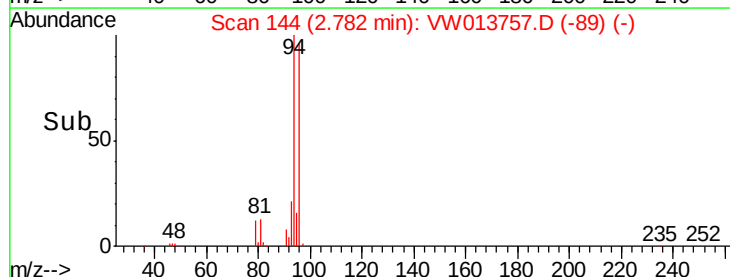
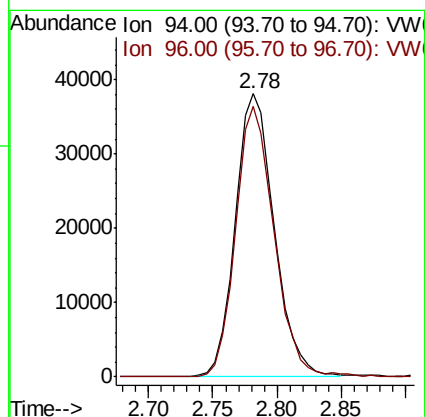
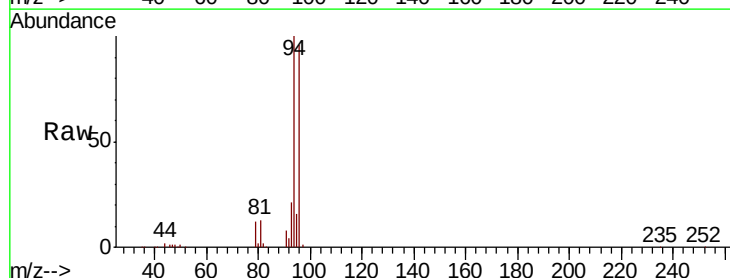
Acq: 25 Oct 2019 19:09

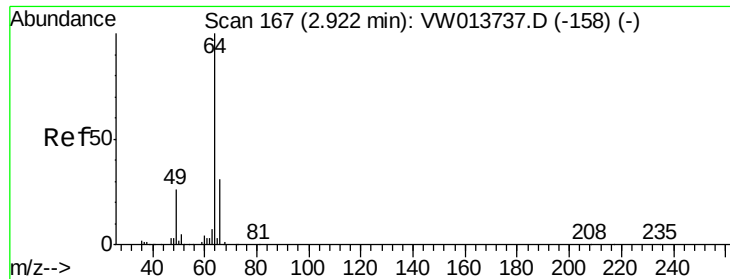
Tgt Ion: 94 Resp: 79830

Ion Ratio Lower Upper

94 100

96 93.5 9.3 176.9

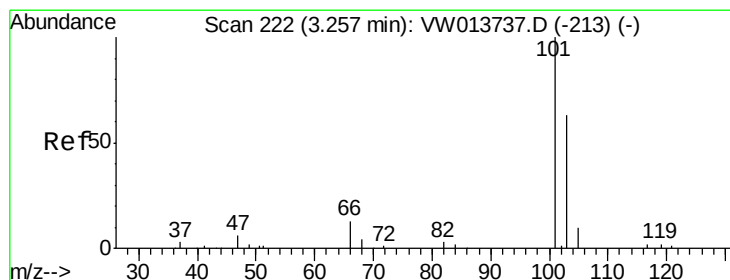
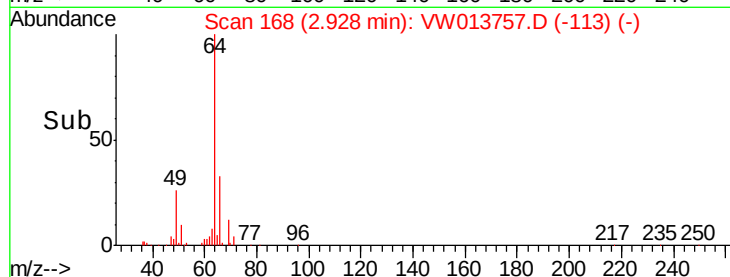
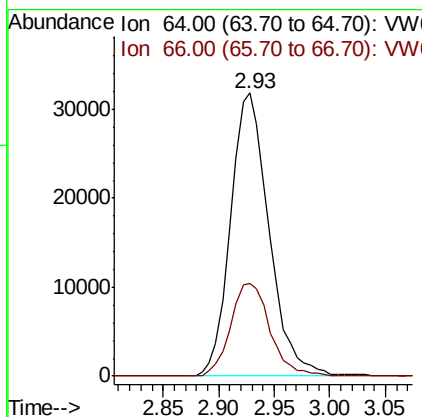
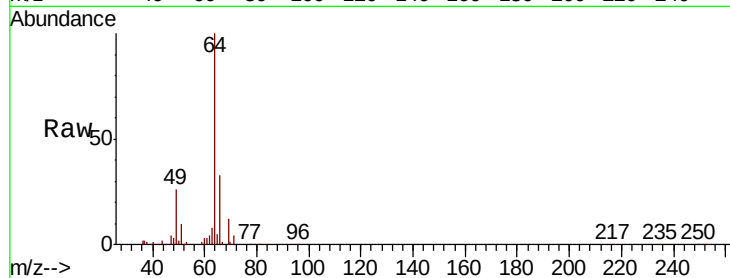




#8
Chloroethane
Concen: 24.996 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW013757.D
Acq: 25 Oct 2019 19:09

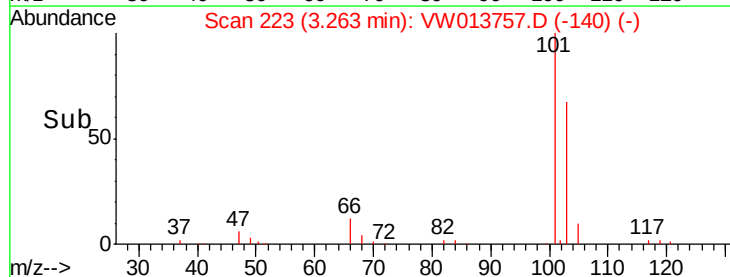
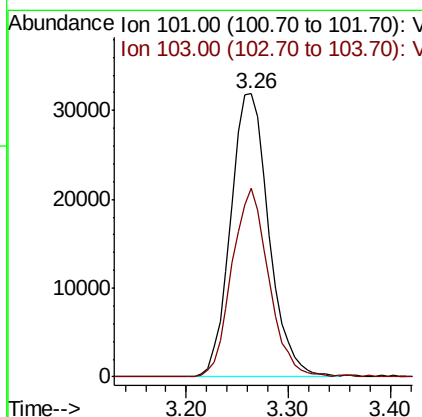
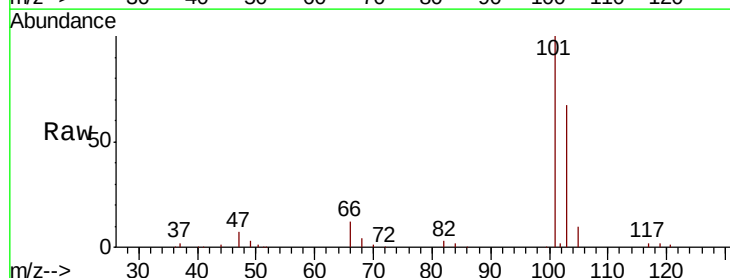
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

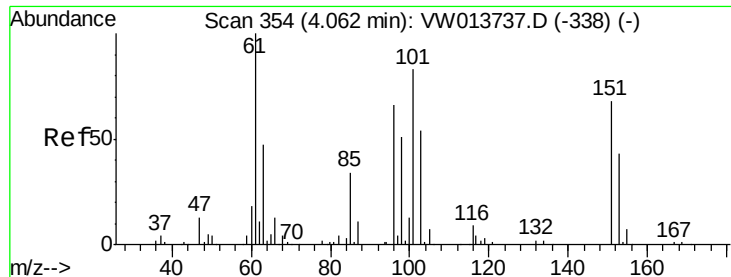
Tot Ion: 64 Resp: 76043
Ion Ratio Lower Upper
64 100
66 32.9 22.2 41.2



#9
Trichlorofluoromethane
Concen: 27.353 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW013757.D
Acq: 25 Oct 2019 19:09

Tgt Ion: 101 Resp: 82993
Ion Ratio Lower Upper
101 100
103 64.1 46.5 86.5





#11

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

Concen: 26.166 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

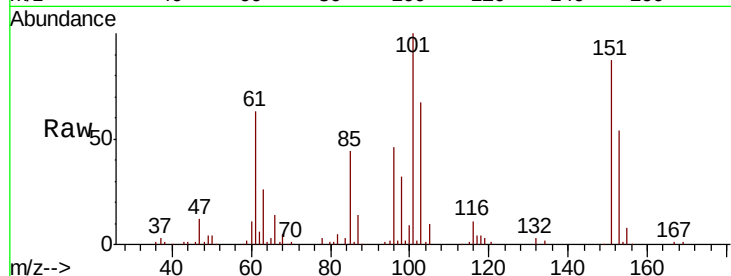
Tot Ion:101 Resp: 125015

Ion Ratio Lower Upper

101 100

85 41.9 32.0 48.0

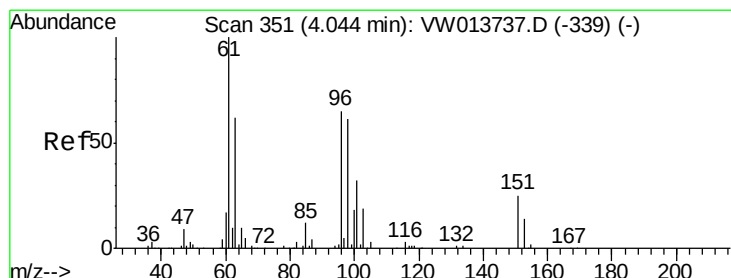
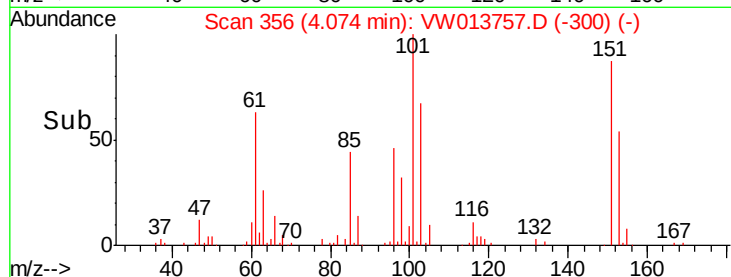
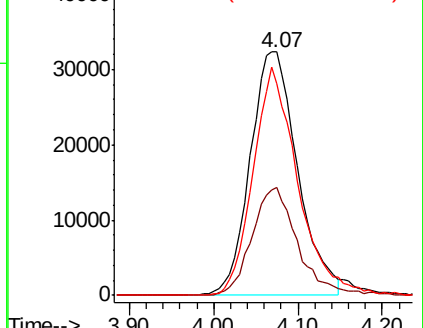
151 88.5 66.9 100.3



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: 27.568 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

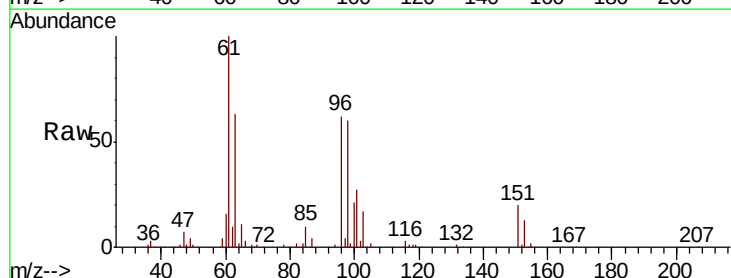
Tgt Ion: 96 Resp: 129626

Ion Ratio Lower Upper

96 100

61 162.2 112.7 209.3

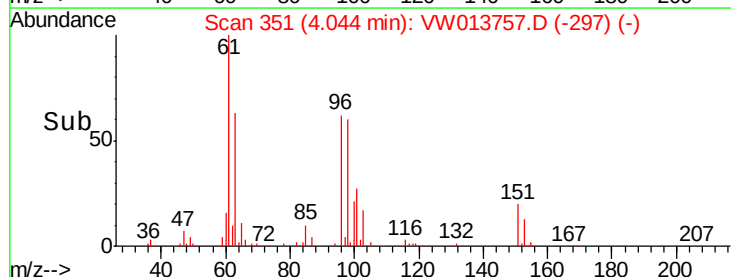
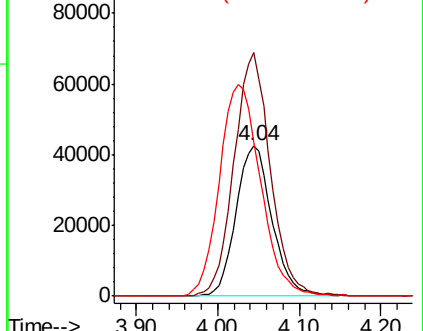
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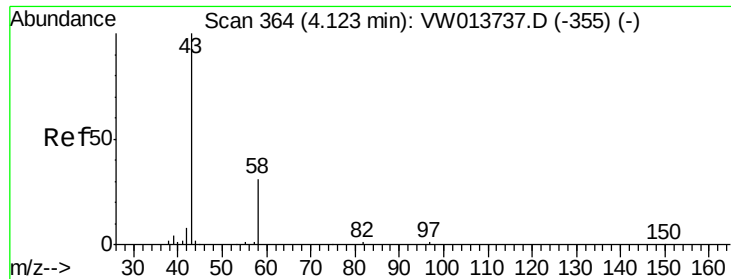


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 36.836 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

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ClientSampleId :

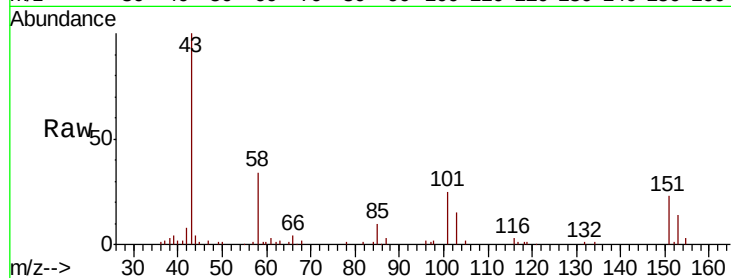
VSTD02529

Tot Ion: 43 Resp: 53079

Ion Ratio Lower Upper

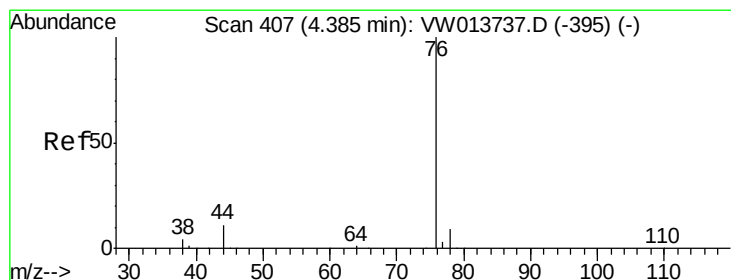
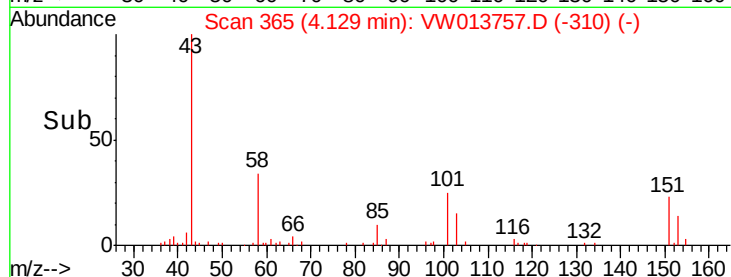
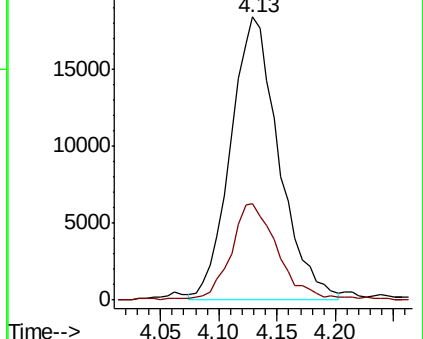
43 100

58 31.6 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 27.039 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013757.D

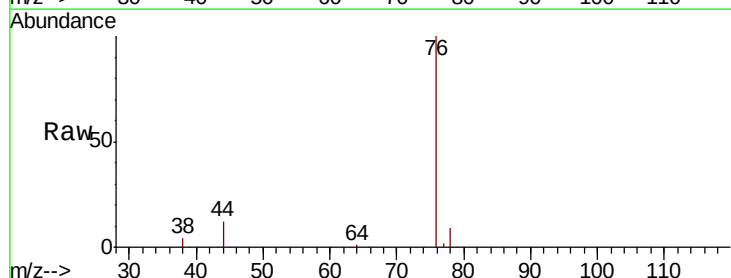
Acq: 25 Oct 2019 19:09

Tgt Ion: 76 Resp: 363784

Ion Ratio Lower Upper

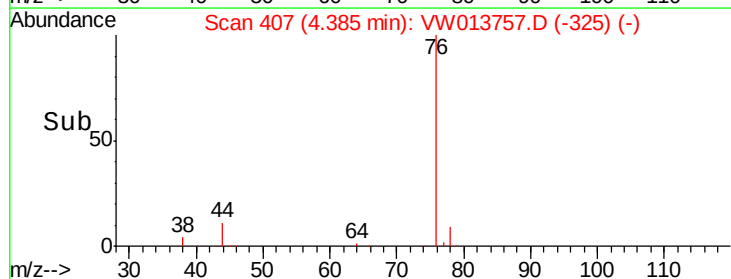
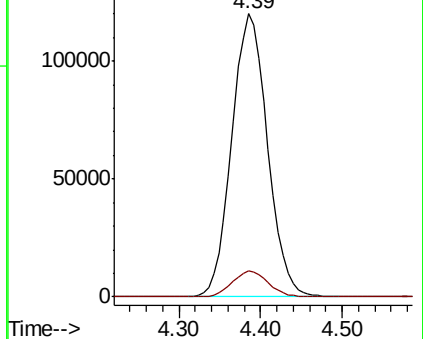
76 100

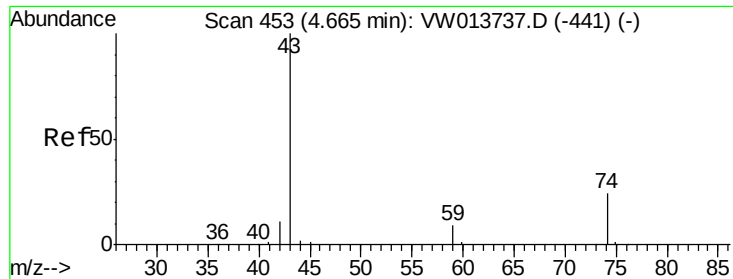
78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 22.019 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

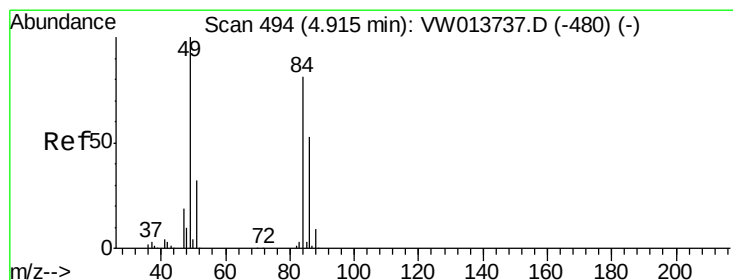
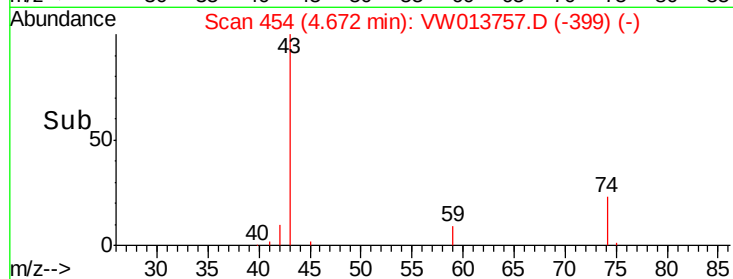
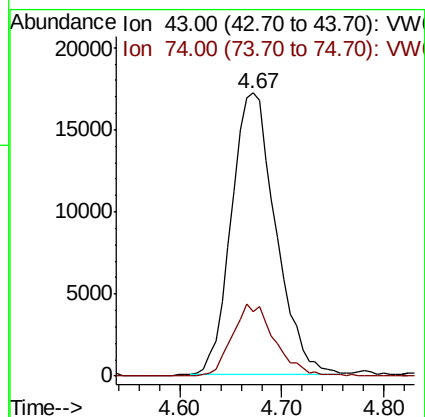
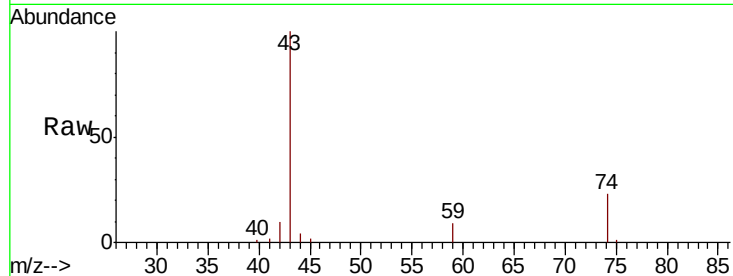
VSTD02529

Tot Ion: 43 Resp: 51844

Ion Ratio Lower Upper

43 100

74 24.3 19.2 28.8



#16

Methylene chloride

Concen: 22.349 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

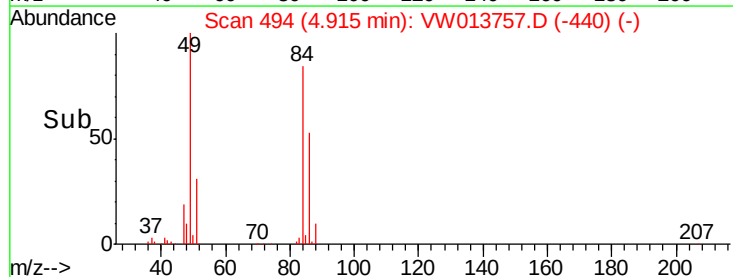
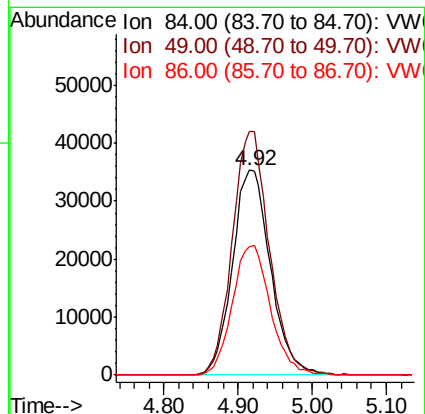
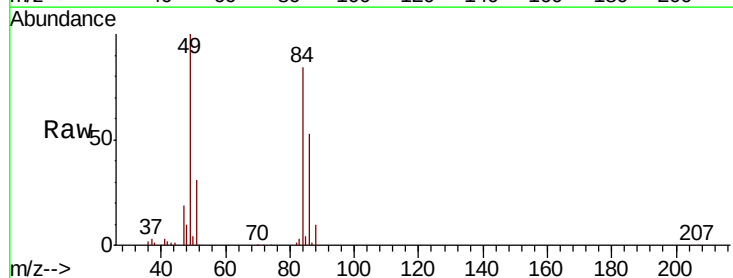
Tgt Ion: 84 Resp: 126614

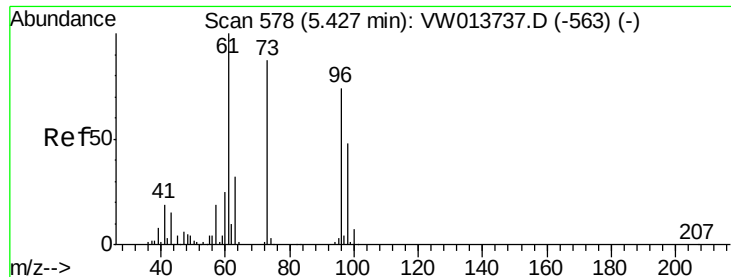
Ion Ratio Lower Upper

84 100

49 118.8 80.2 148.9

86 63.0 42.7 79.3

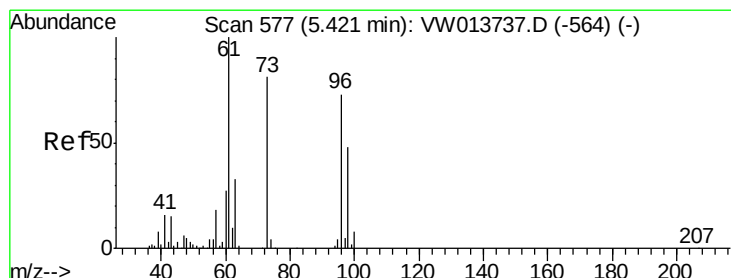
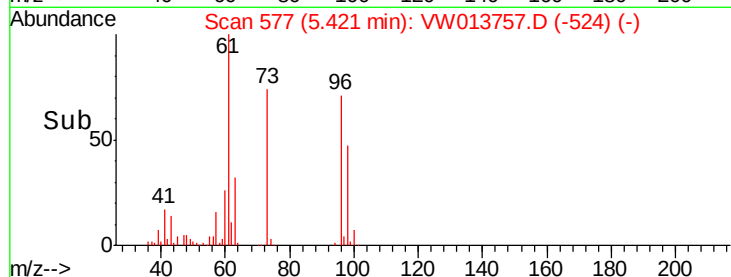
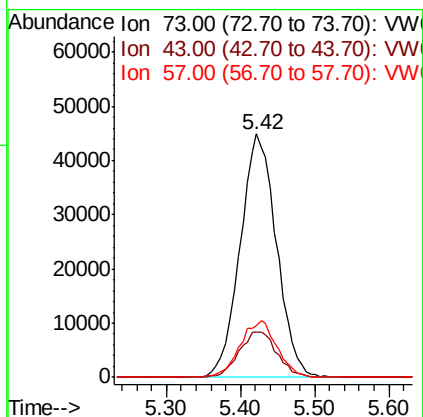
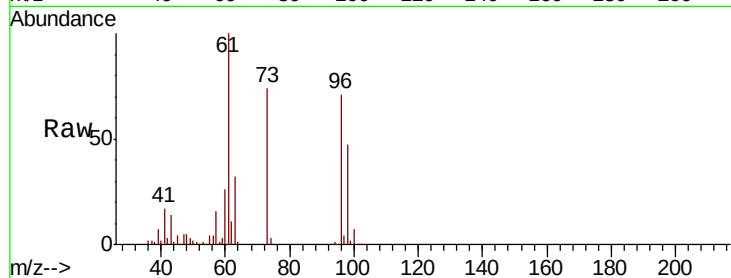




#17
Methyl tert-butyl Ether
Concen: 23.589 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013757.D
Acq: 25 Oct 2019 19:09

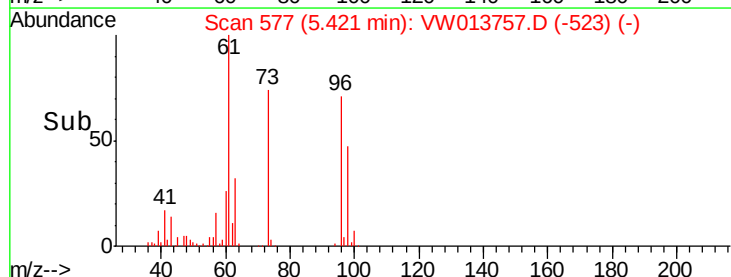
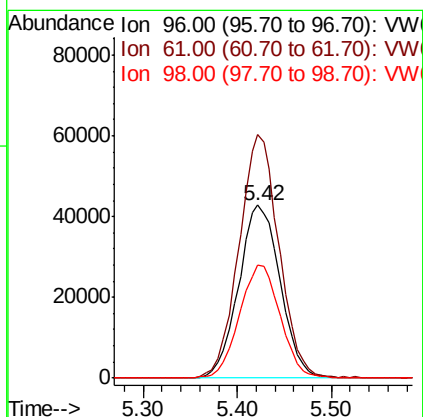
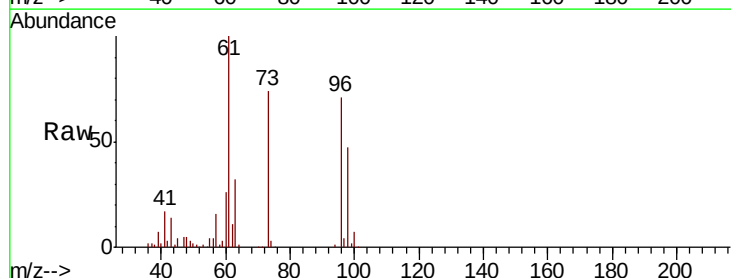
Instrument :
MSVOA_W
ClientSampled :
VSTD02529

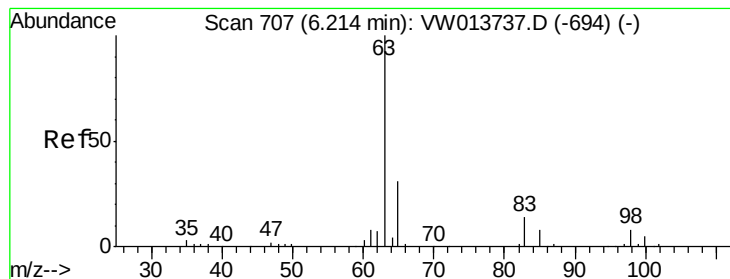
Tot Ion: 73 Resp: 153471
Ion Ratio Lower Upper
73 100
43 19.4 15.4 23.2
57 0.0 17.7 26.5#



#18
trans-1,2-Dichloroethene
Concen: 25.461 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013757.D
Acq: 25 Oct 2019 19:09

Tgt Ion: 96 Resp: 132344
Ion Ratio Lower Upper
96 100
61 140.8 88.4 164.2
98 65.6 43.0 79.8





#19

1,1-Dichloroethane

Concen: 25.505 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

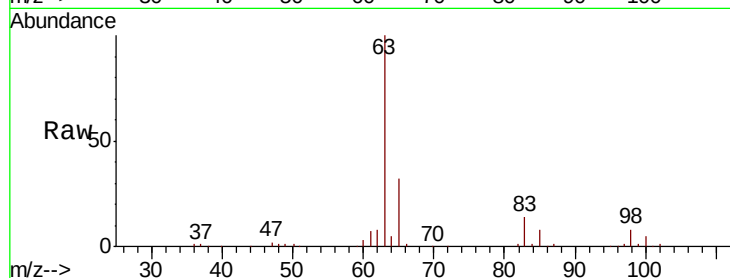
Tot Ion: 63 Resp: 224398

Ion Ratio Lower Upper

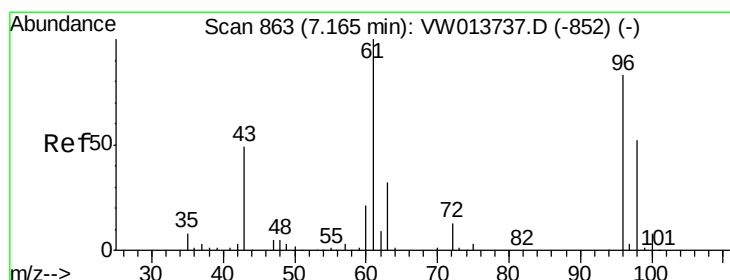
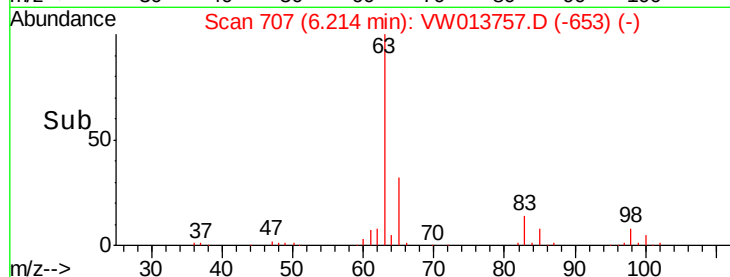
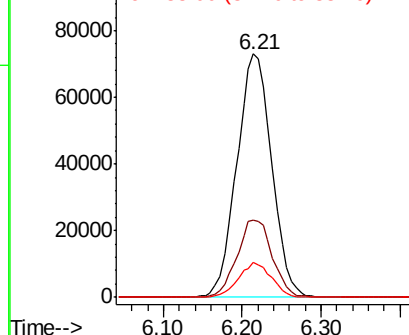
63 100

65 31.8 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: 39.625 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013757.D

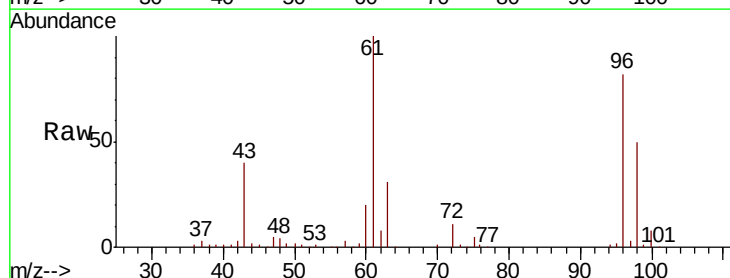
Acq: 25 Oct 2019 19:09

Tgt Ion: 43 Resp: 72496

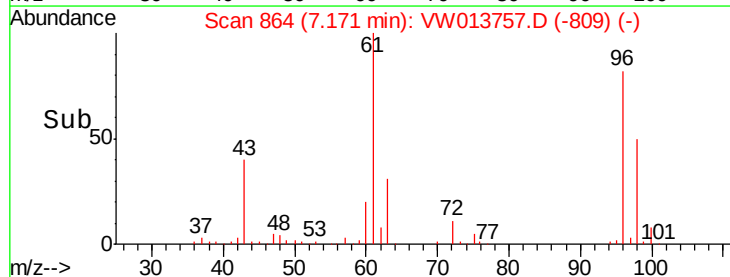
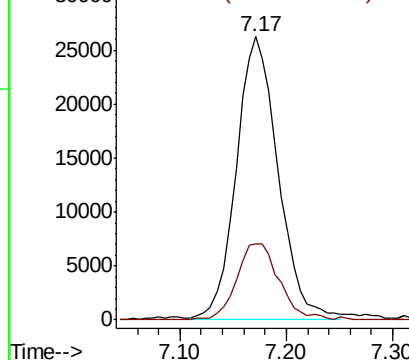
Ion Ratio Lower Upper

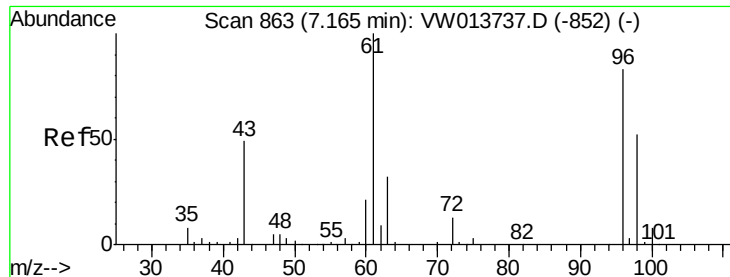
43 100

72 25.7 13.7 41.1



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



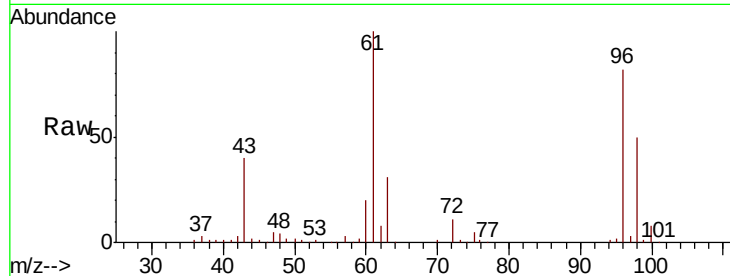


#22

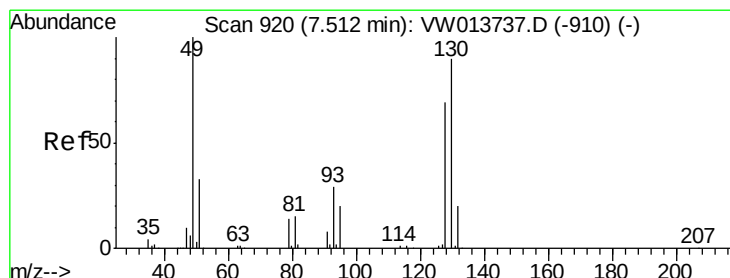
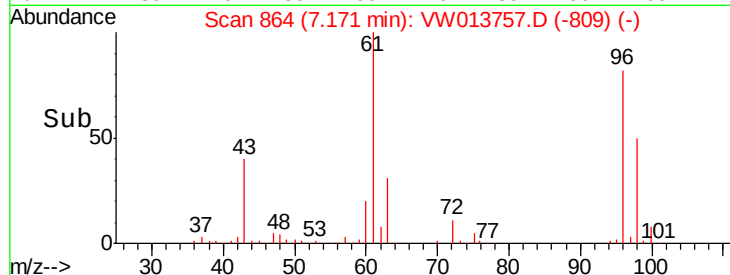
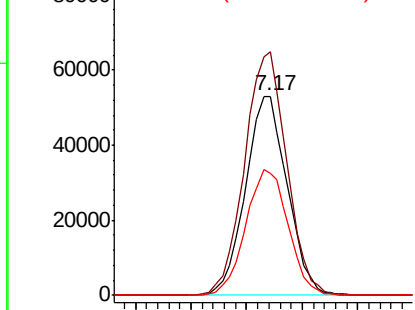
cis-1,2-Dichloroethene
 Concen: 24.878 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013757.D
 Acq: 25 Oct 2019 19:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tot Ion: 96 Resp: 138803
 Ion Ratio Lower Upper
 96 100
 61 122.2 86.2 160.0
 98 61.4 43.0 79.8



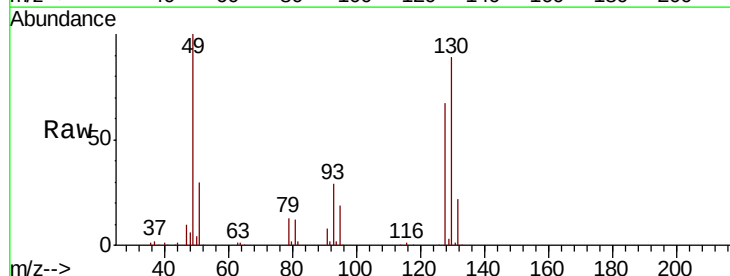
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



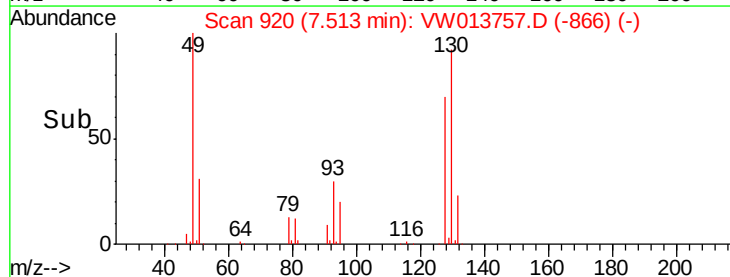
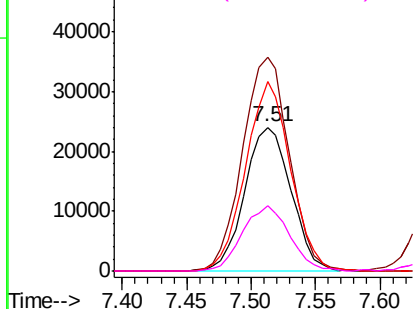
#23

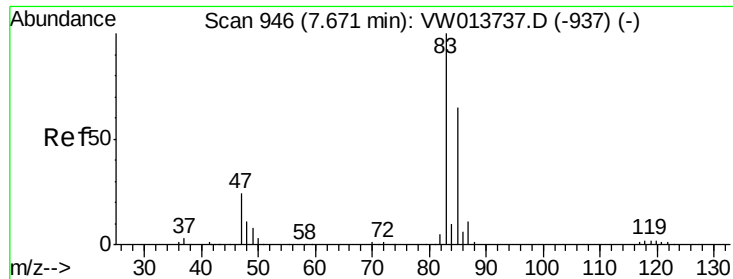
Bromochloromethane
 Concen: 23.737 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW013757.D
 Acq: 25 Oct 2019 19:09

Tgt Ion:128 Resp: 59859
 Ion Ratio Lower Upper
 128 100
 49 148.5 106.3 197.3
 130 131.9 93.2 173.2
 51 45.1 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

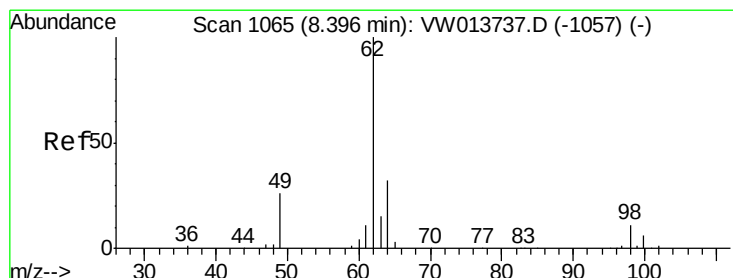
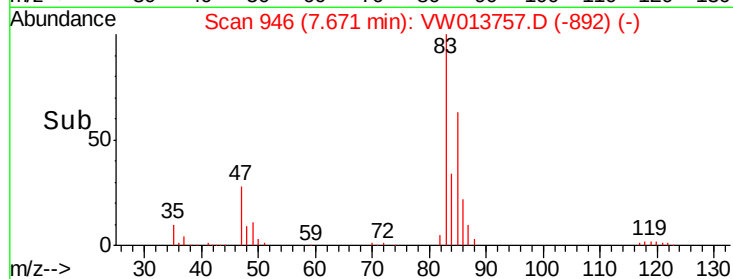
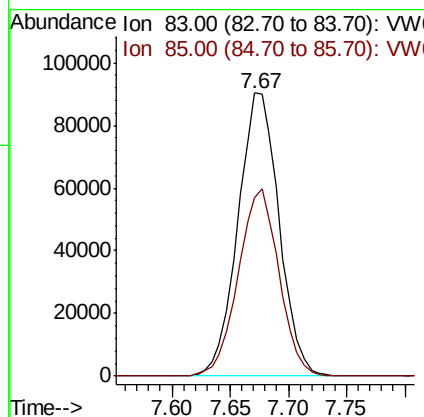
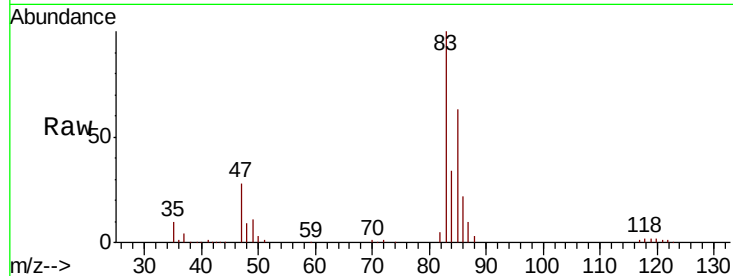




#25
Chloroform
Concen: 25.184 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013757.D
Acq: 25 Oct 2019 19:09

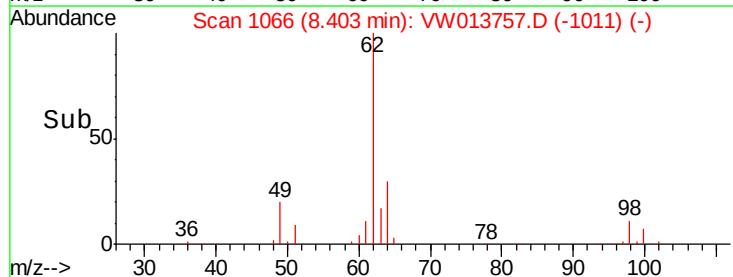
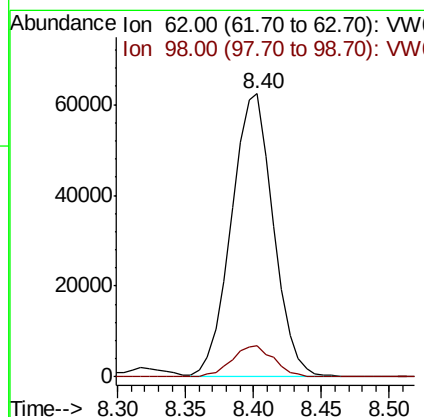
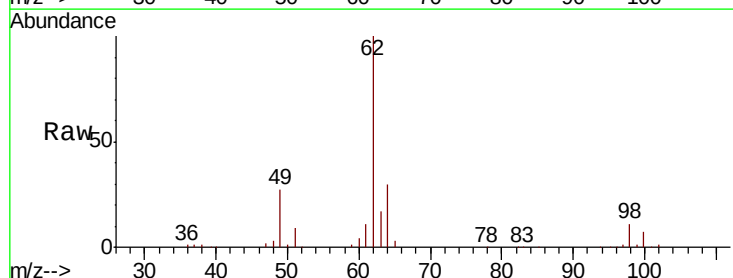
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

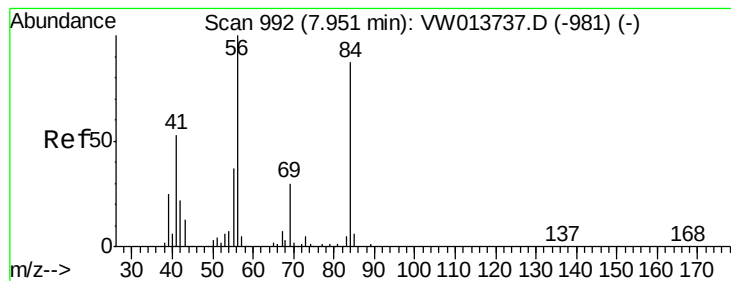
Tot Ion: 83 Resp: 222576
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 23.736 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW013757.D
Acq: 25 Oct 2019 19:09

Tgt Ion: 62 Resp: 134450
Ion Ratio Lower Upper
62 100
98 10.8 9.6 14.4





#30

Cyclohexane

Concen: 28.156 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

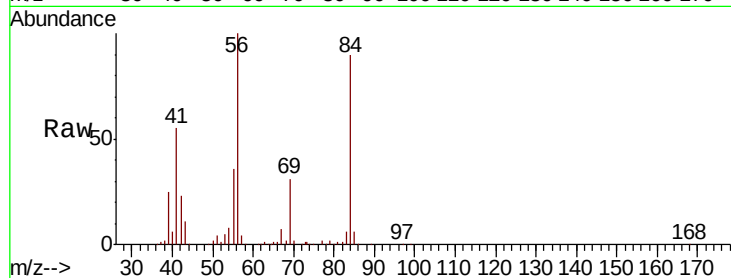
Tot Ion: 56 Resp: 226964

Ion Ratio Lower Upper

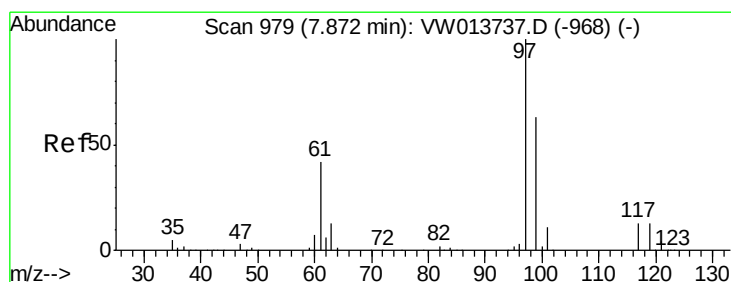
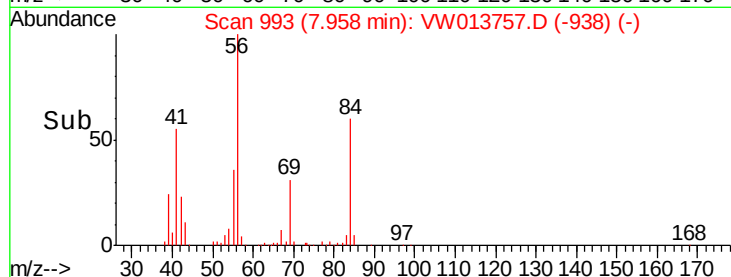
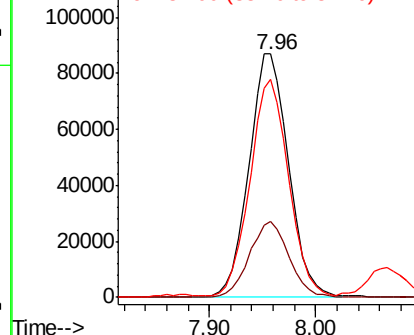
56 100

69 31.0 24.6 37.0

84 88.1 71.1 106.7



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: 28.668 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

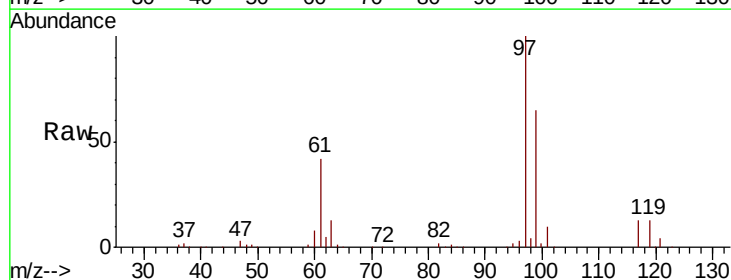
Tgt Ion: 97 Resp: 183976

Ion Ratio Lower Upper

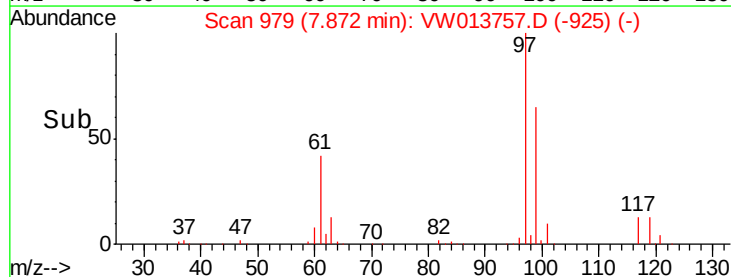
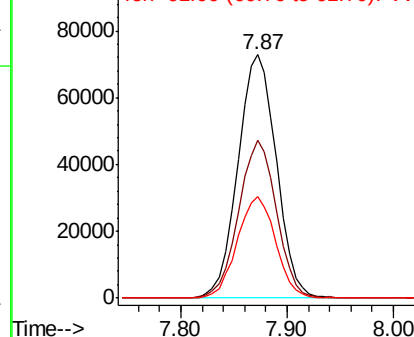
97 100

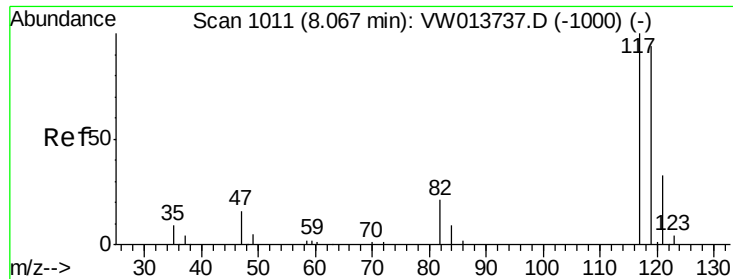
99 64.1 51.7 77.5

61 41.8 33.8 50.8



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: 28.828 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

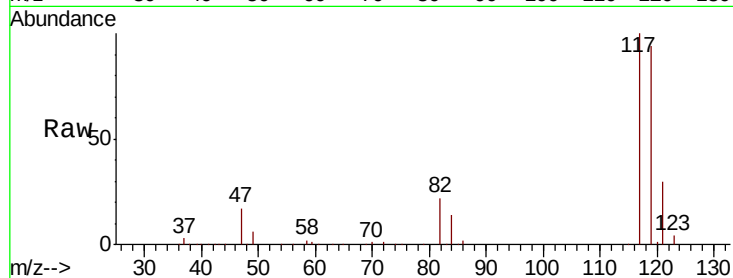
VSTD02529

Tot Ion:117 Resp: 180152

Ion Ratio Lower Upper

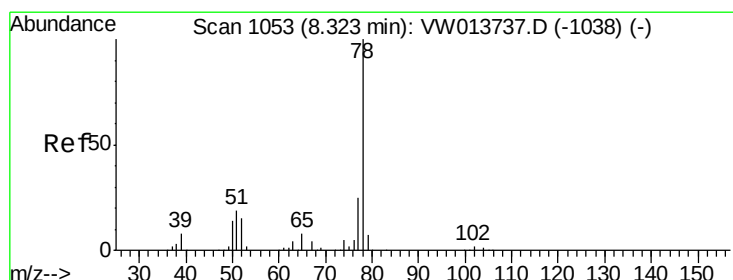
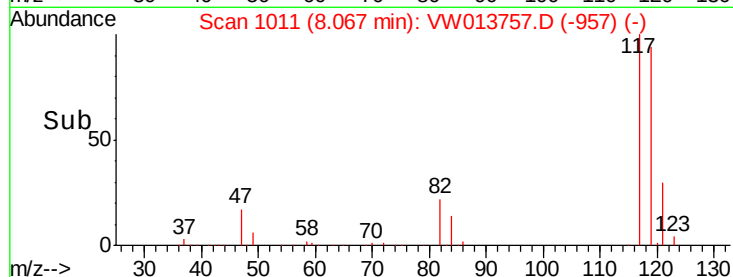
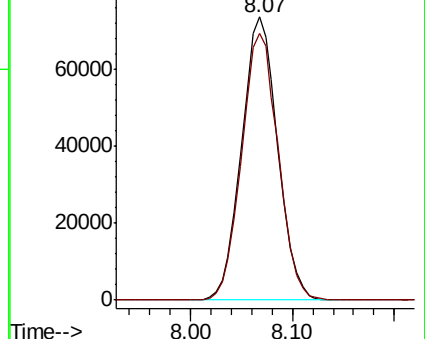
117 100

119 95.6 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: 26.711 ug/L

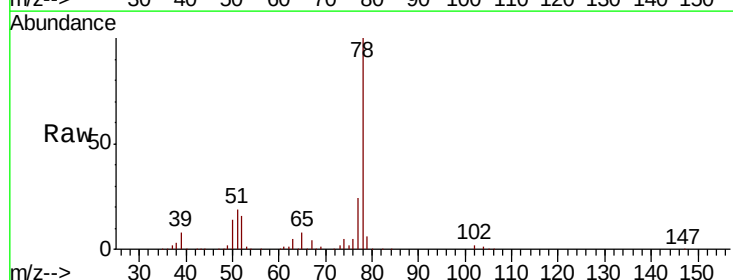
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

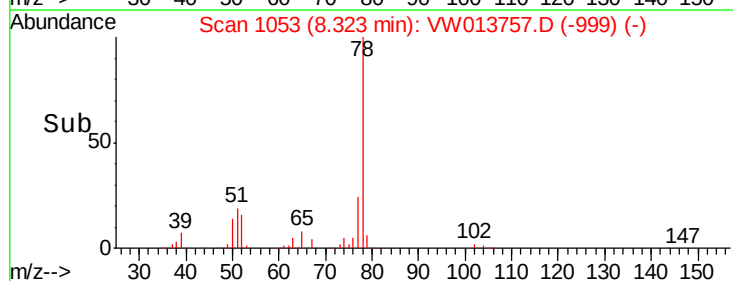
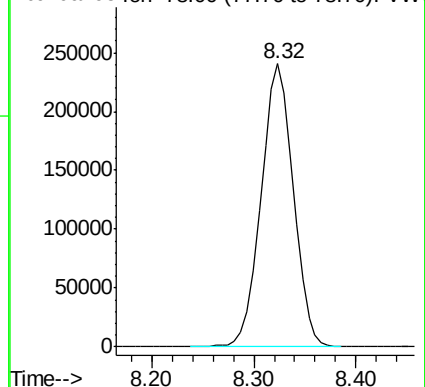
Lab File: VW013757.D

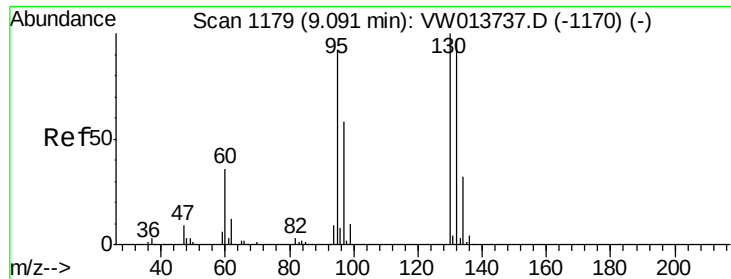
Acq: 25 Oct 2019 19:09

Tgt Ion: 78 Resp: 527339



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 27.530 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion: 95 Resp: 139443

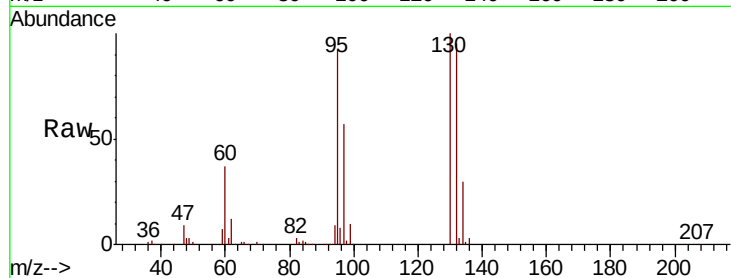
Ion Ratio Lower Upper

95 100

97 64.3 45.8 85.2

132 103.6 74.3 138.1

130 110.1 76.6 142.3



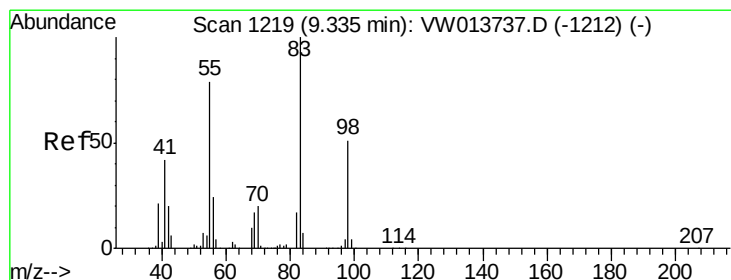
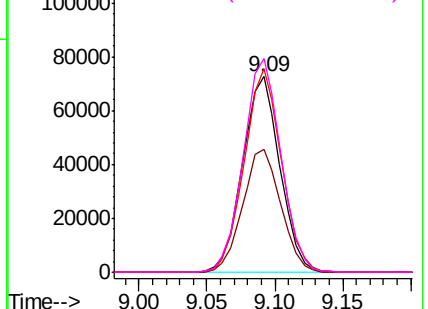
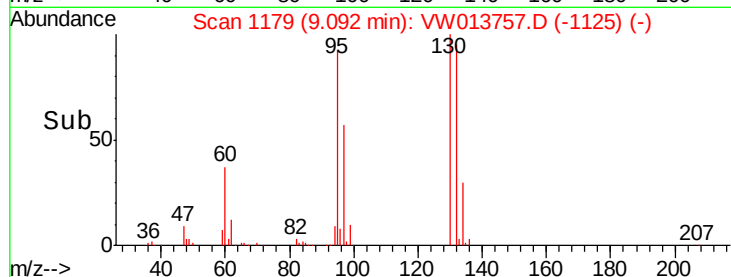
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 28.176 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

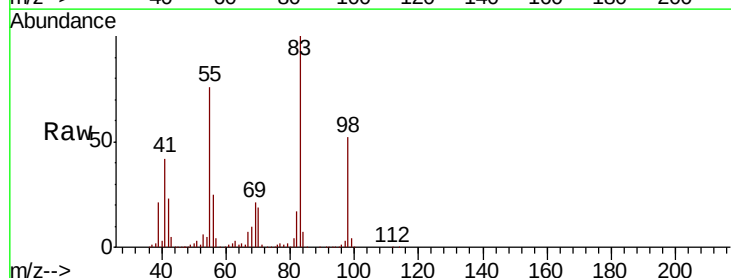
Tgt Ion: 83 Resp: 251556

Ion Ratio Lower Upper

83 100

55 76.5 60.2 90.4

98 50.5 39.1 58.7

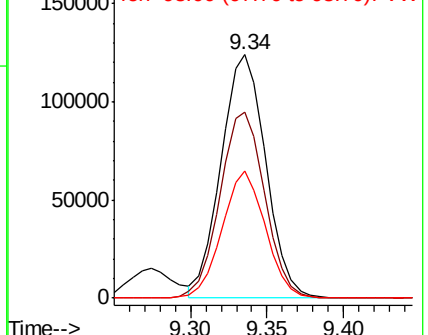
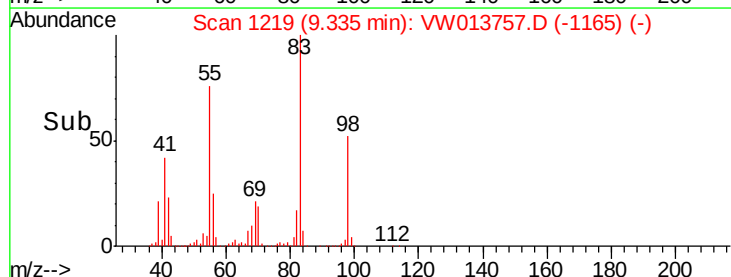


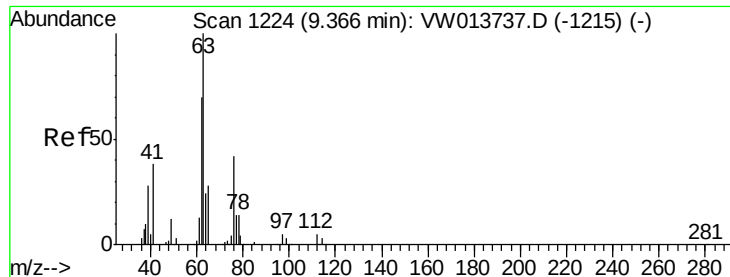
Abundance

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: 25.806 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

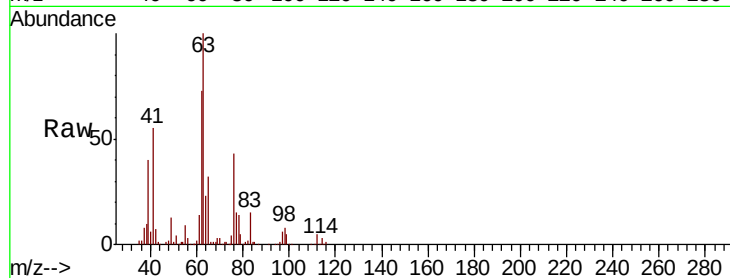
VSTD02529

Tot Ion: 63 Resp: 124569

Ion Ratio Lower Upper

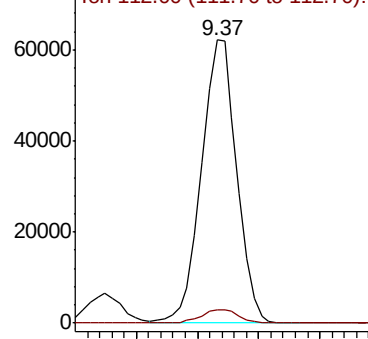
63 100

112 5.0 3.9 5.9

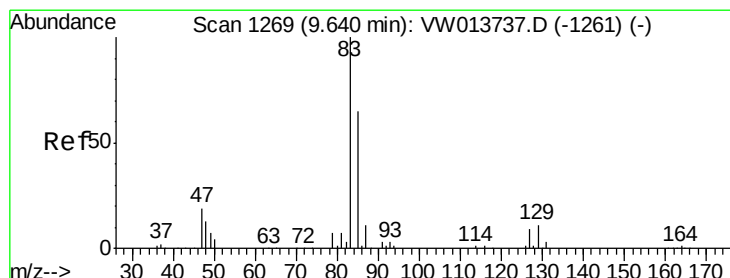
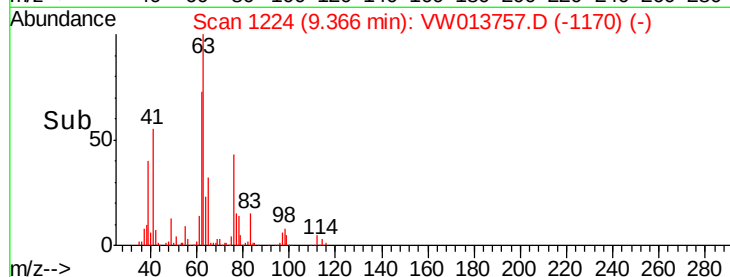


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



Time-->



#41

Bromodichloromethane

Concen: 25.943 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

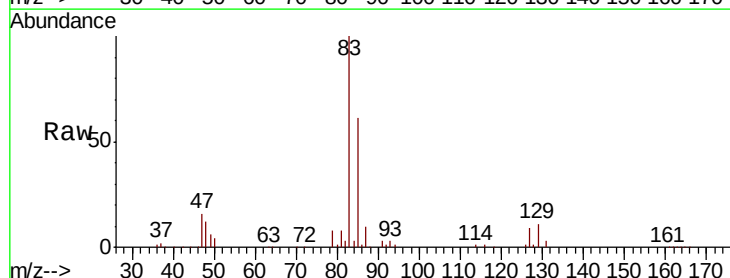
Tgt Ion: 83 Resp: 153441

Ion Ratio Lower Upper

83 100

85 61.1 45.8 85.0

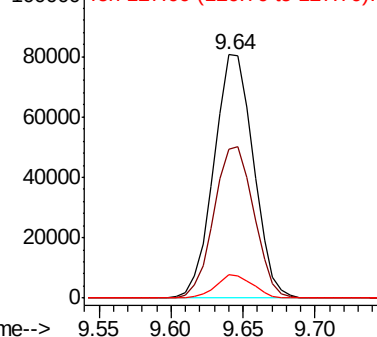
127 9.4 6.6 10.0



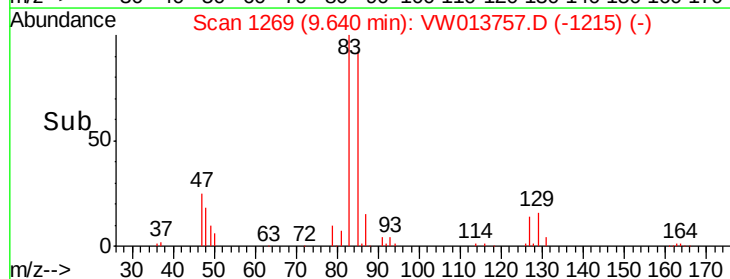
Abundance Ion 83.00 (82.70 to 83.70): VW

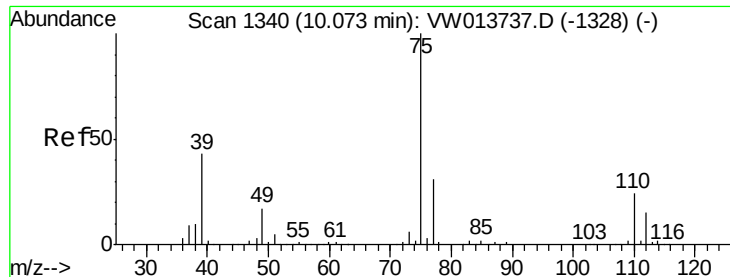
Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V



Time-->





#42

cis-1,3-Dichloropropene

Concen: 24.824 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

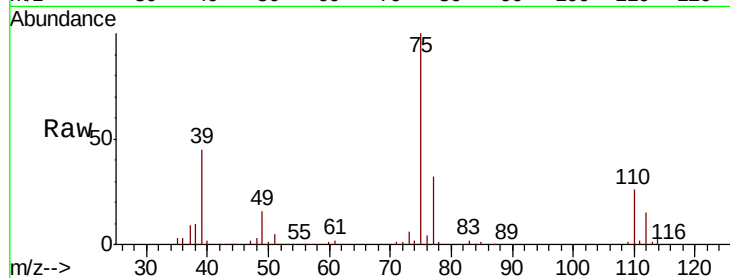
VSTD02529

Tot Ion: 75 Resp: 189190

Ion Ratio Lower Upper

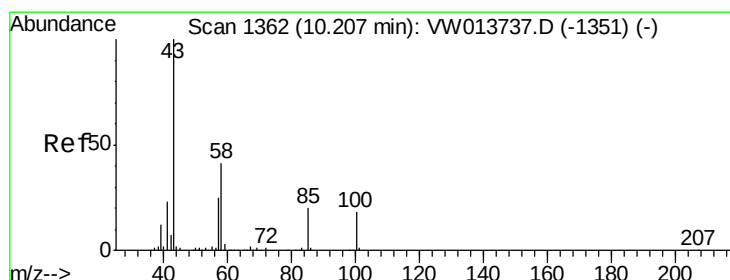
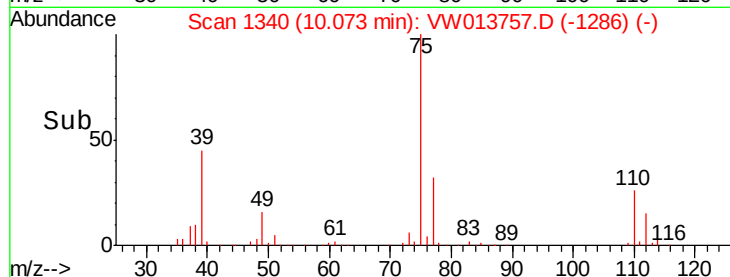
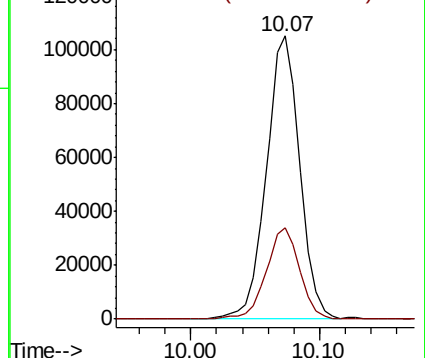
75 100

77 32.3 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 45.451 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

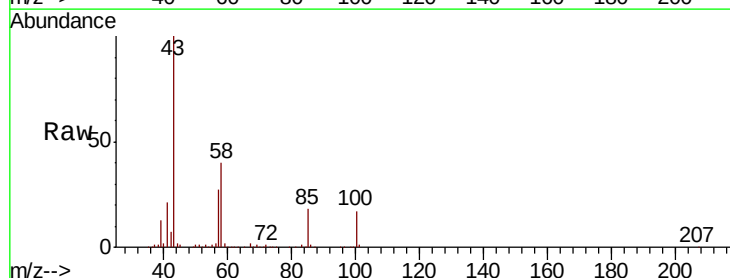
Tgt Ion: 43 Resp: 149689

Ion Ratio Lower Upper

43 100

58 40.0 32.8 49.2

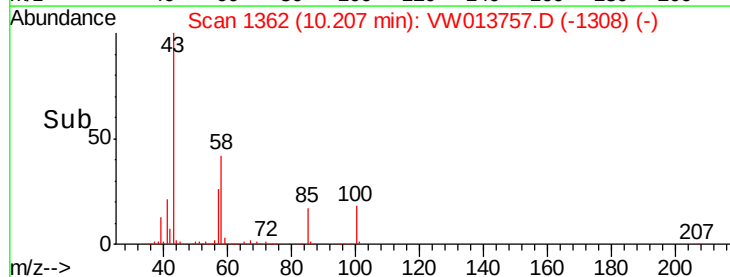
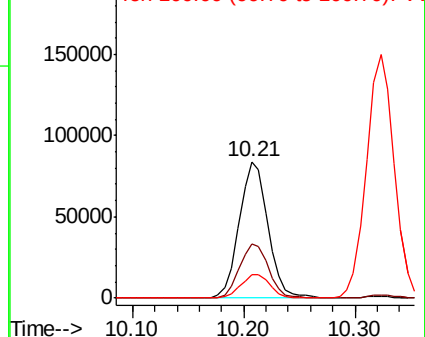
100 17.7 13.7 20.5

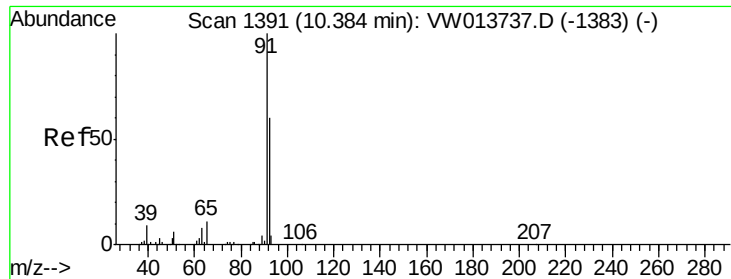


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 26.841 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

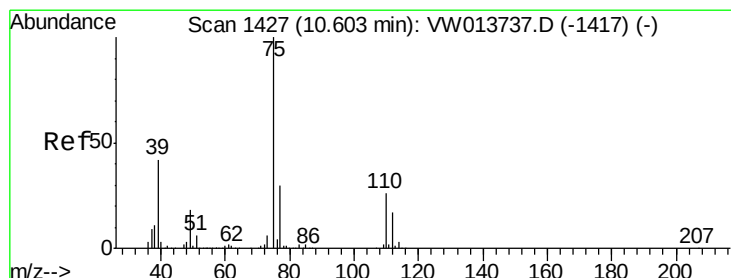
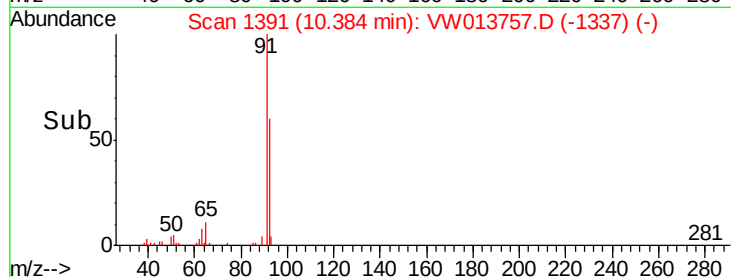
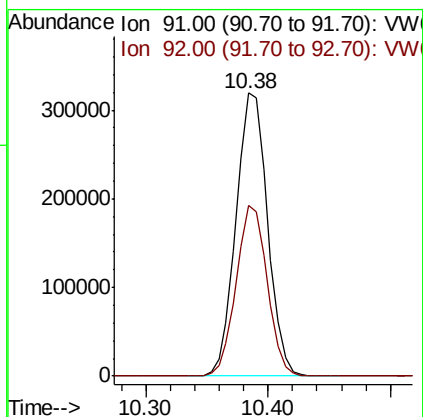
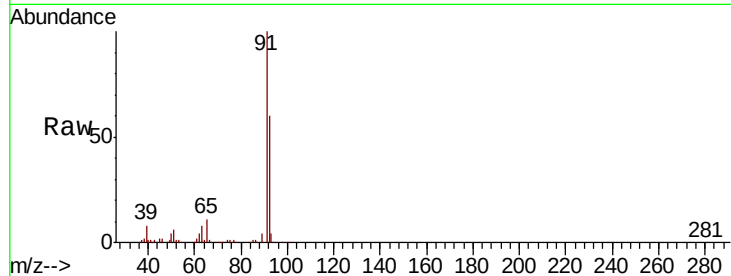
VSTD02529

Tot Ion: 91 Resp: 569319

Ion Ratio Lower Upper

91 100

92 60.3 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 24.444 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013757.D

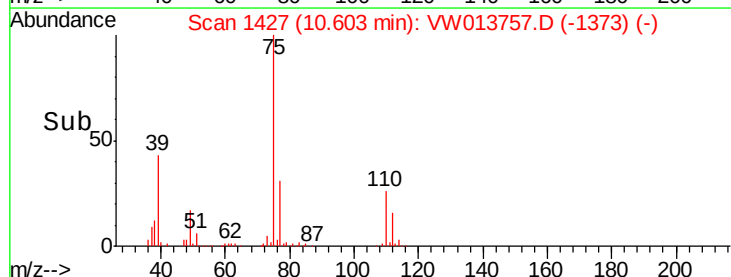
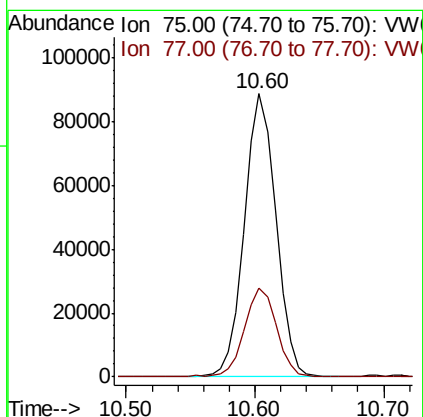
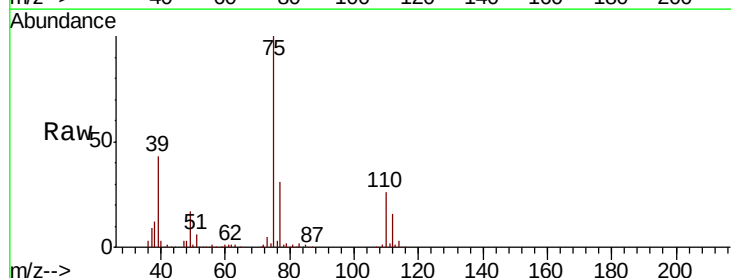
Acq: 25 Oct 2019 19:09

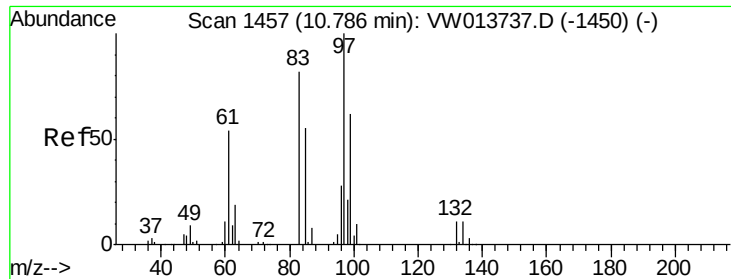
Tgt Ion: 75 Resp: 150374

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0

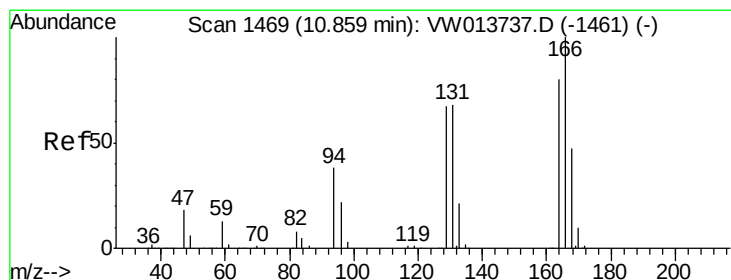
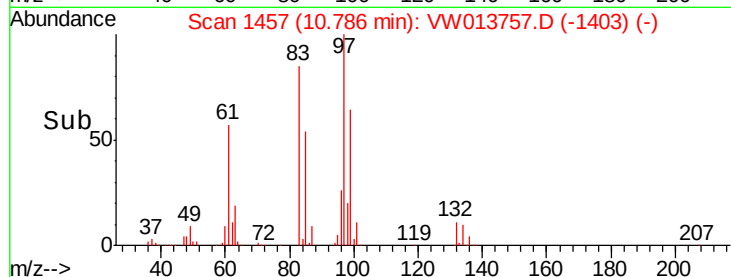
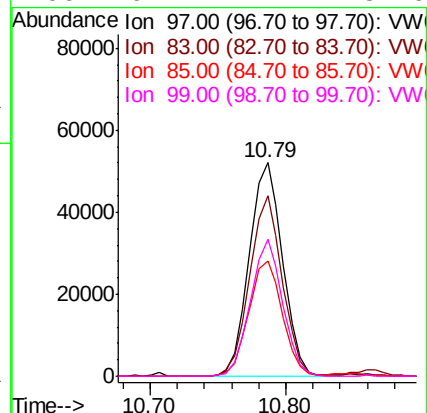
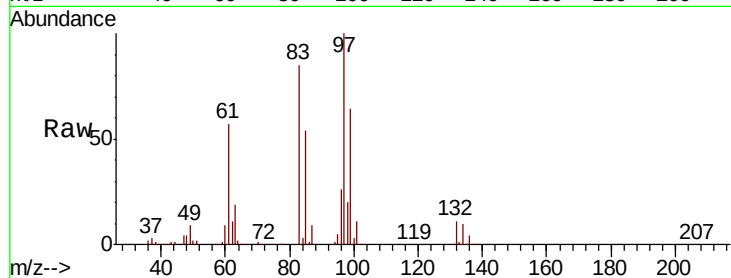




#46
 1,1,2-Trichloroethane
 Concen: 24.043 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013757.D
 Acq: 25 Oct 2019 19:09

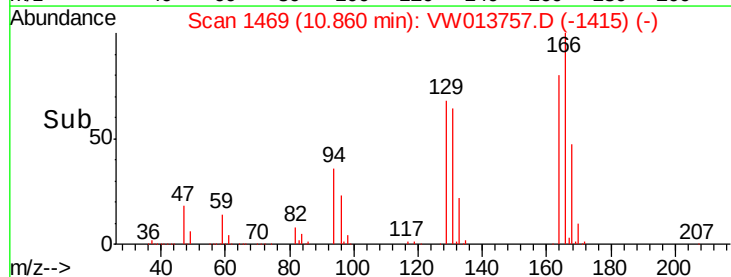
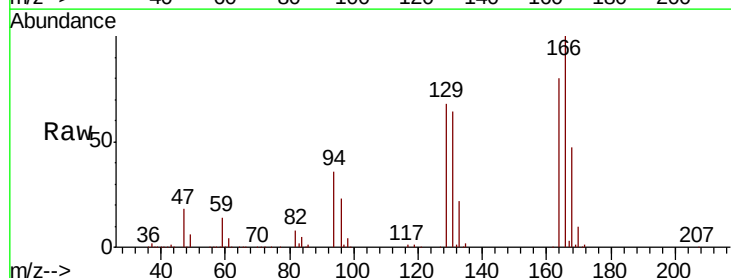
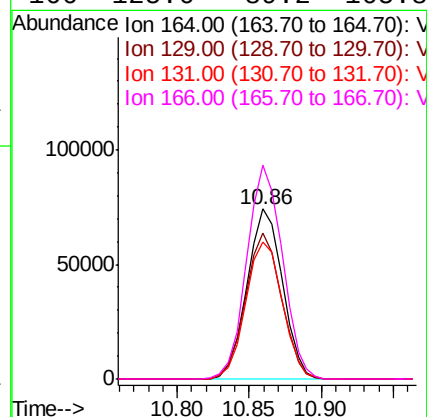
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

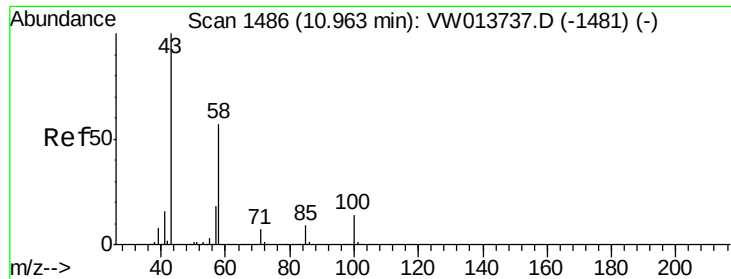
Tot Ion	97	Resp	89508
Ion	Ratio	Lower	Upper
97	100		
83	84.7	57.7	107.3
85	53.8	38.6	71.6
99	64.1	44.7	82.9



#47
 Tetrachloroethene
 Concen: 27.298 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW013757.D
 Acq: 25 Oct 2019 19:09

Tgt Ion	164	Resp	126569
Ion	Ratio	Lower	Upper
164	100		
129	85.7	61.8	114.8
131	80.6	59.2	110.0
166	125.6	89.2	165.8

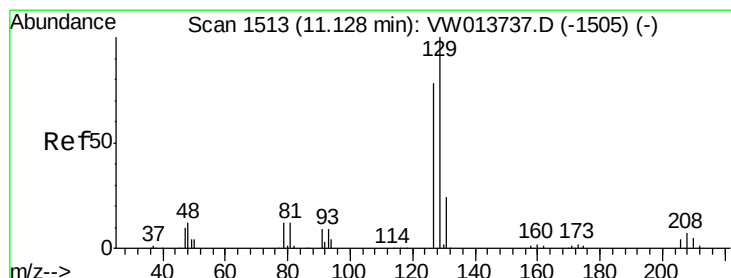
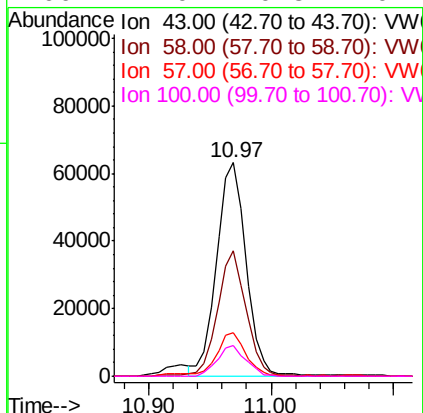
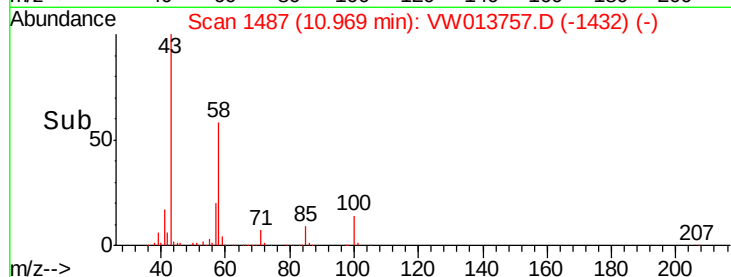
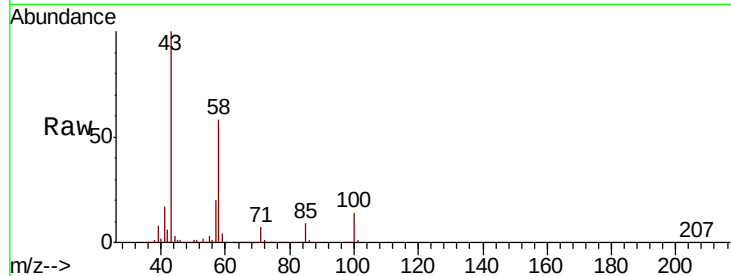




#49
2-Hexanone
Concen: 45.232 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013757.D
Acq: 25 Oct 2019 19:09

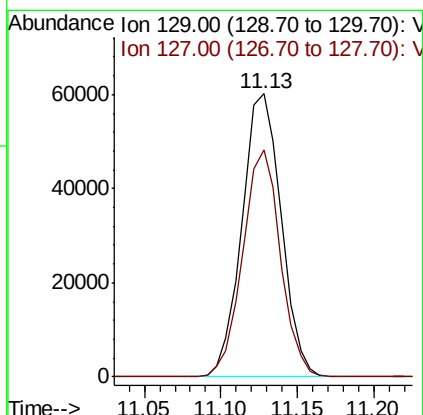
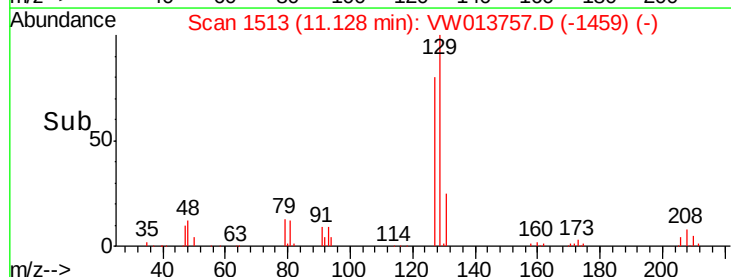
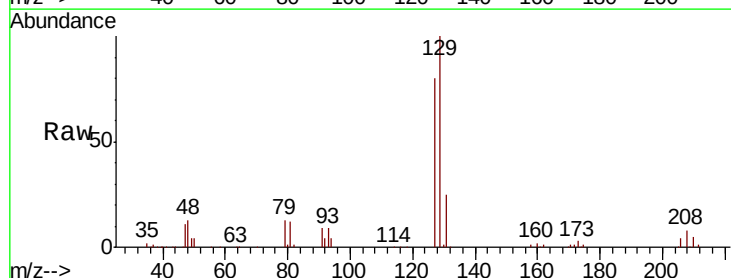
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

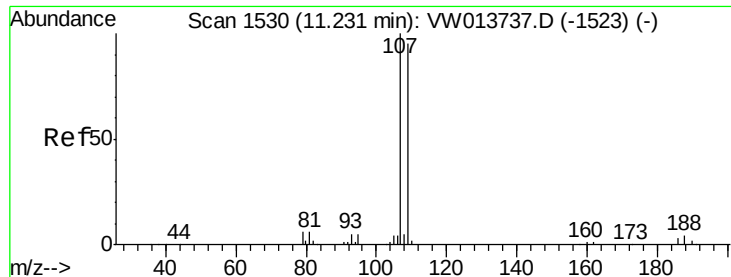
Tot Ion: 43 Resp: 105684
Ion Ratio Lower Upper
43 100
58 55.6 45.8 68.6
57 20.1 15.4 23.2
100 14.0 10.8 16.2



#50
Dibromochloromethane
Concen: 24.455 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013757.D
Acq: 25 Oct 2019 19:09

Tgt Ion: 129 Resp: 107445
Ion Ratio Lower Upper
129 100
127 80.4 51.4 95.5

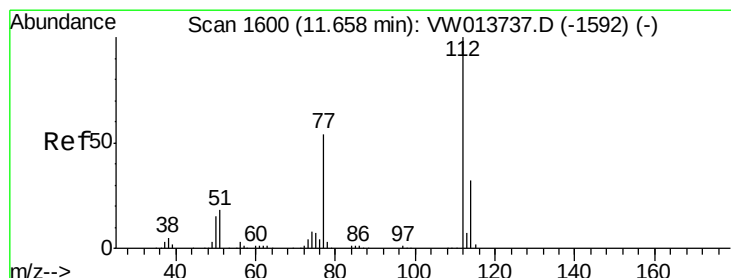
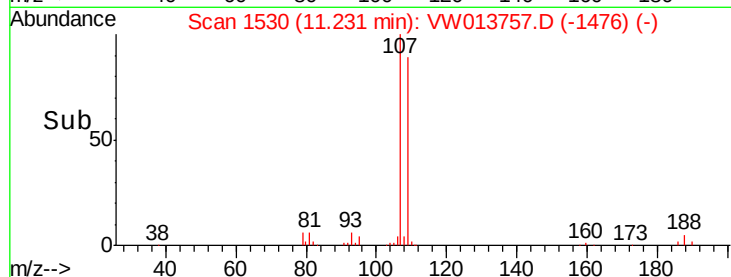
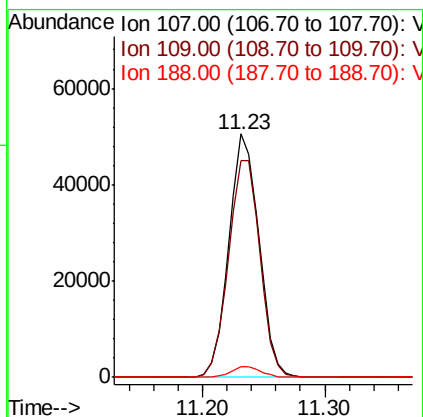
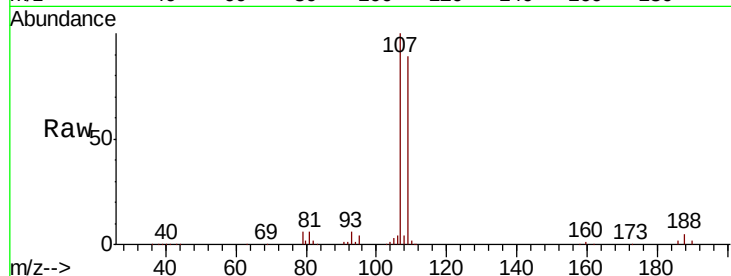




#51
1,2-Dibromoethane
Concen: 23.722 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW013757.D
Acq: 25 Oct 2019 19:09

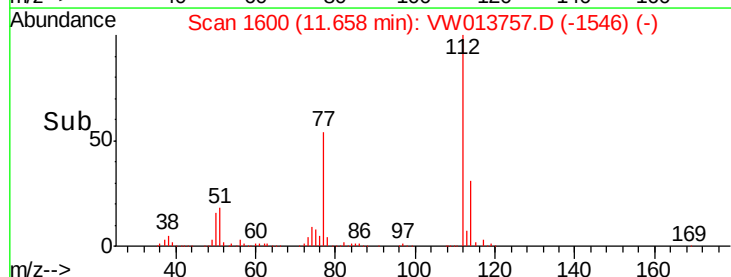
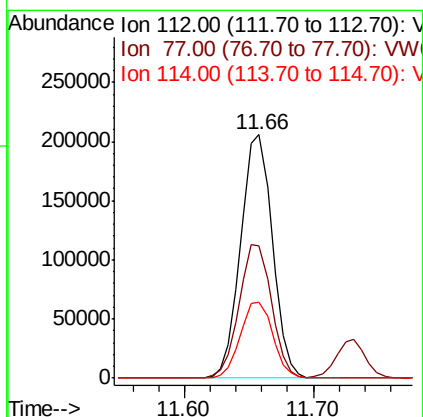
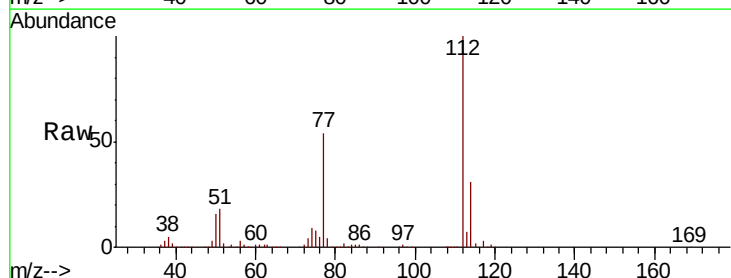
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

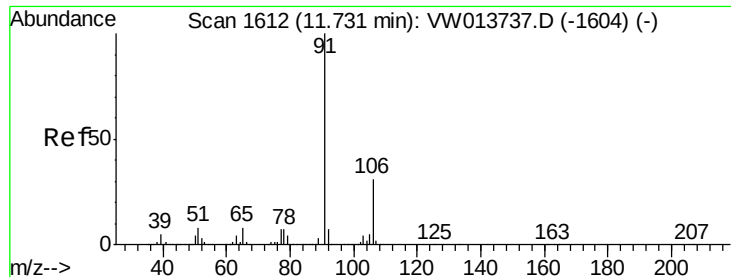
Tot Ion	Ratio	Lower	Upper
107	100		
109	89.1	64.0	118.8
188	4.6	3.4	5.2



#52
Chlorobenzene
Concen: 25.935 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013757.D
Acq: 25 Oct 2019 19:09

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.1	44.1	66.1
114	31.1	23.4	43.4





#53

Ethylbenzene

Concen: 26.393 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

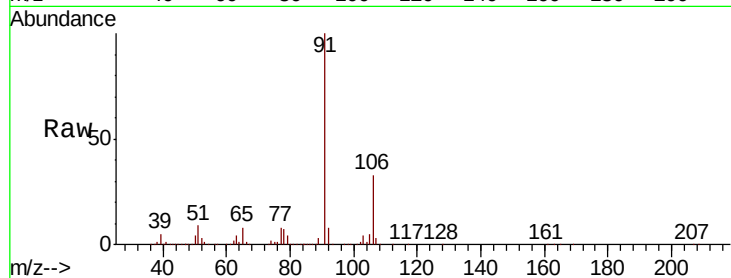
VSTD02529

Tot Ion: 91 Resp: 618529

Ion Ratio Lower Upper

91 100

106 32.6 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

400000

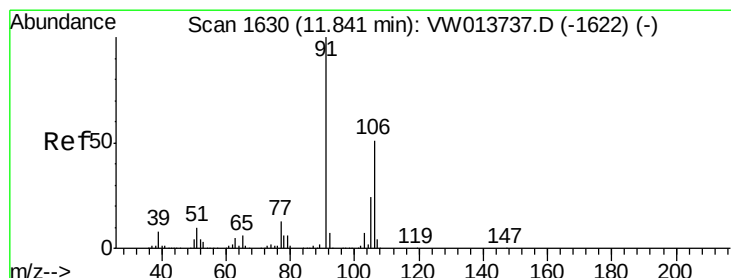
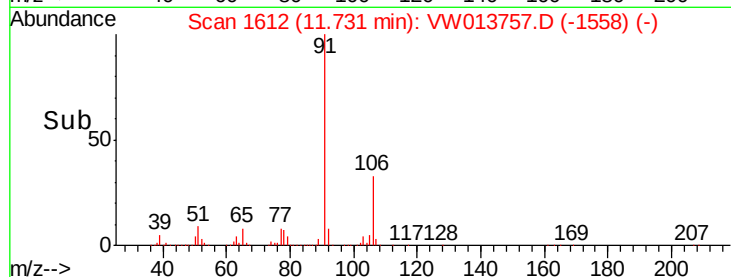
300000

200000

100000

0

Time-->



#54

m,p-Xylene

Concen: 26.397 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW013757.D

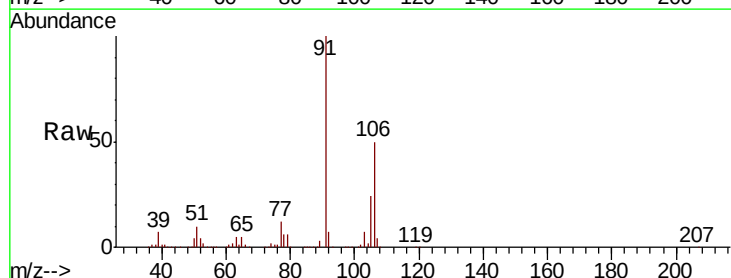
Acq: 25 Oct 2019 19:09

Tgt Ion: 106 Resp: 239061

Ion Ratio Lower Upper

106 100

91 199.2 137.7 255.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

400000

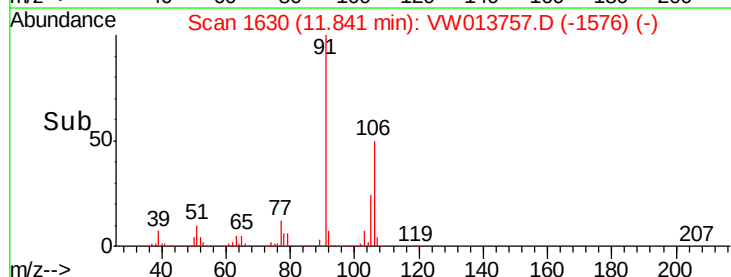
300000

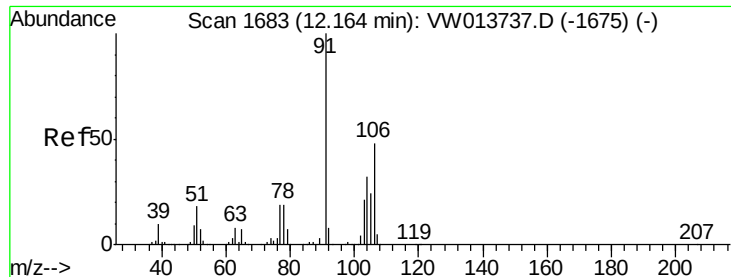
200000

100000

0

Time-->





#55

o-xylene

Concen: 26.023 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

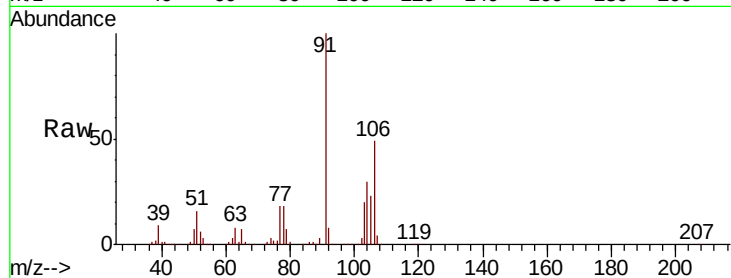
VSTD02529

Tot Ion:106 Resp: 223651

Ion Ratio Lower Upper

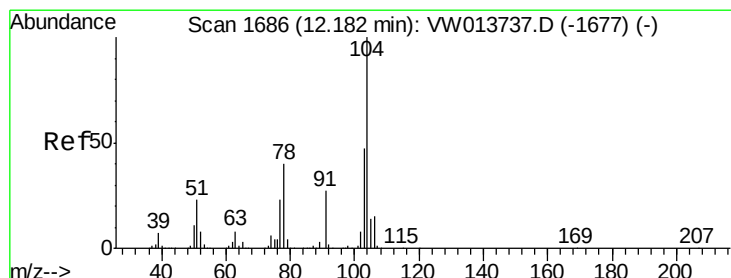
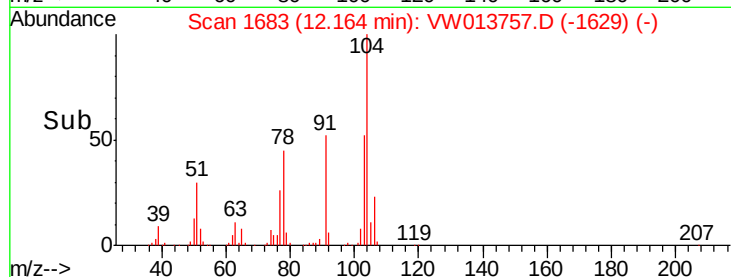
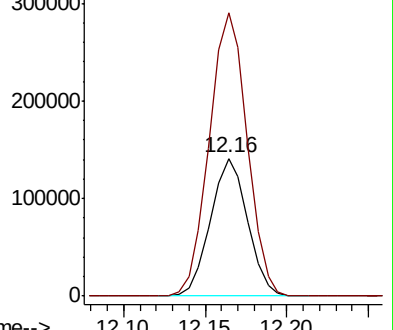
106 100

91 205.6 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.304 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW013757.D

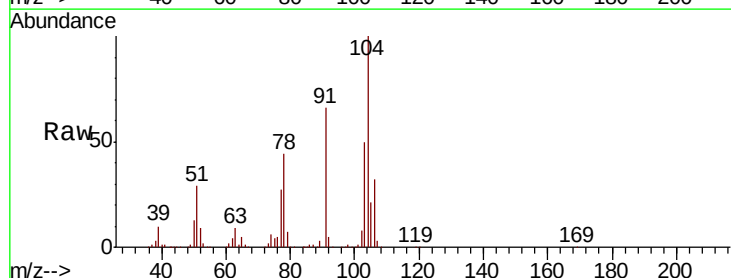
Acq: 25 Oct 2019 19:09

Tgt Ion:104 Resp: 386723

Ion Ratio Lower Upper

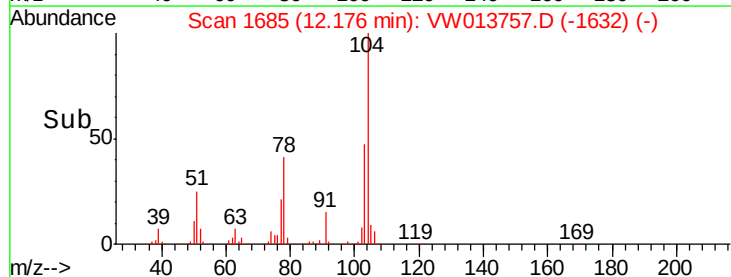
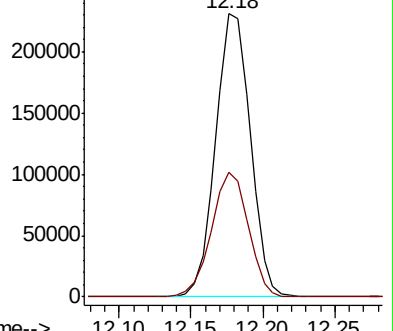
104 100

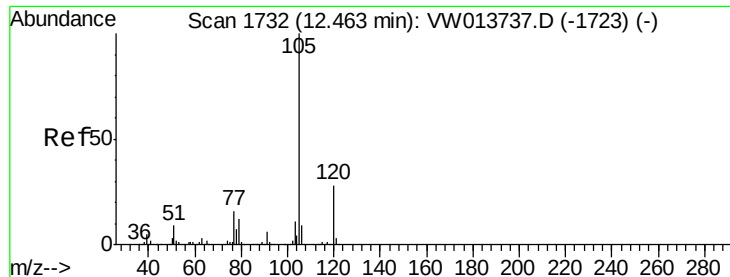
78 44.0 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.907 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

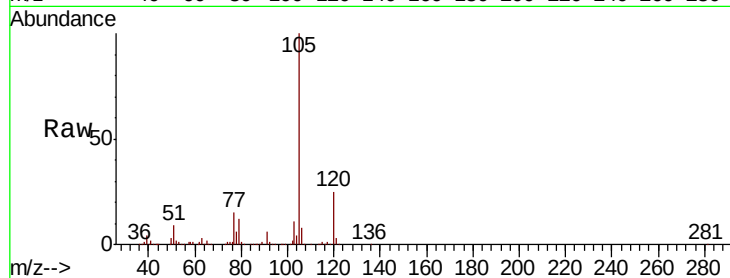
Tot Ion:105 Resp: 620270

Ion Ratio Lower Upper

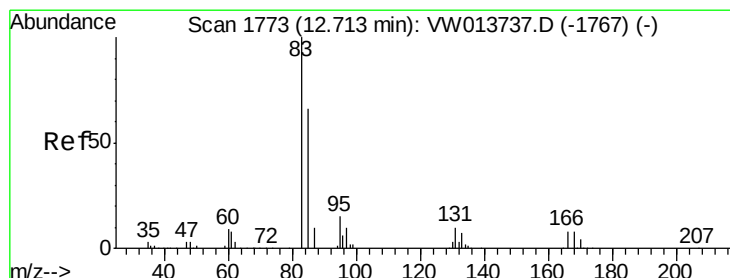
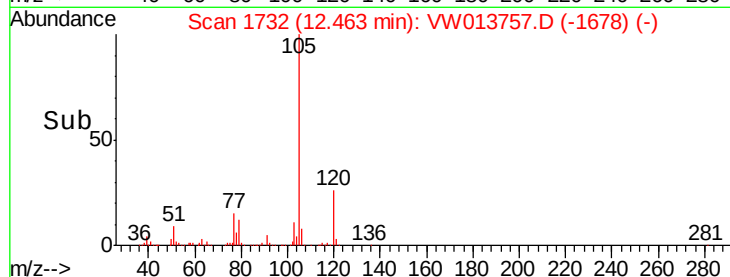
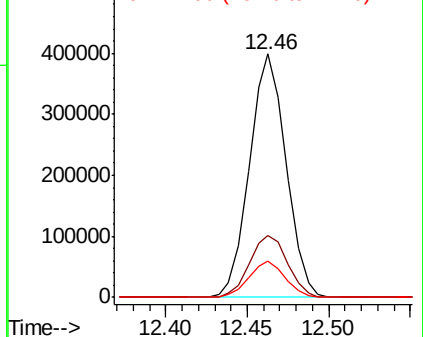
105 100

120 26.3 21.4 32.2

77 14.7 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: 23.852 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

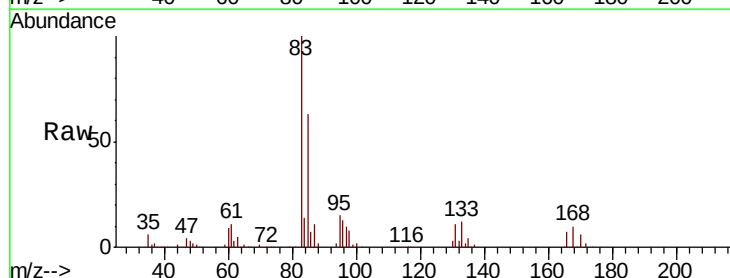
Tgt Ion: 83 Resp: 104077

Ion Ratio Lower Upper

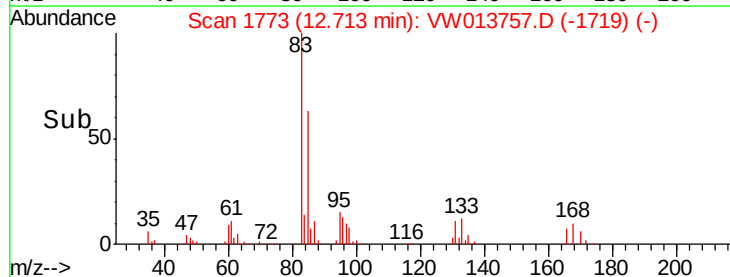
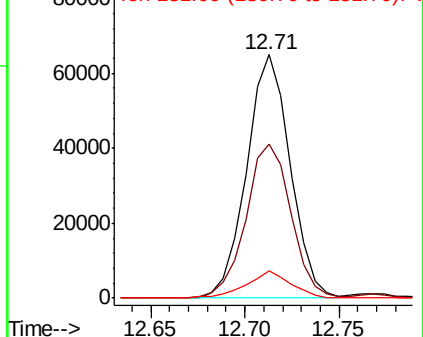
83 100

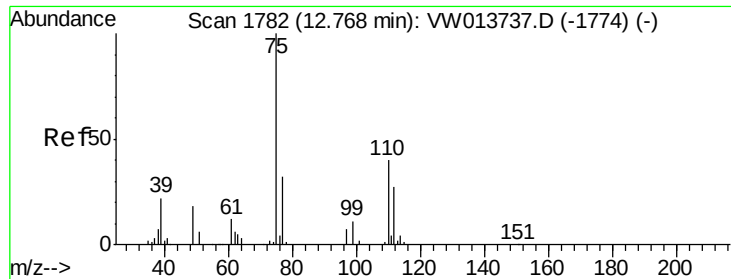
85 63.1 44.9 83.3

131 11.1 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

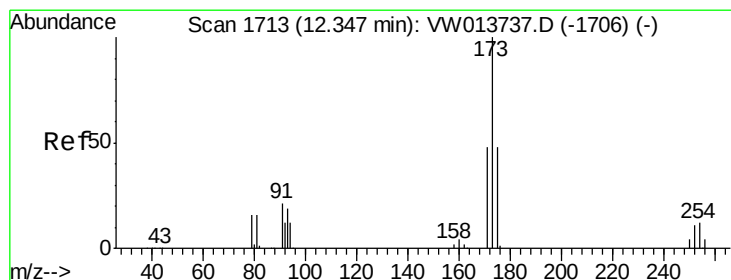
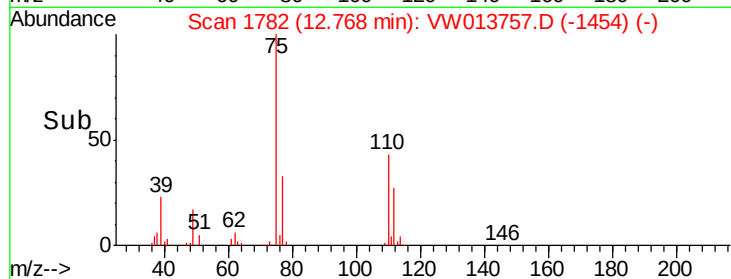
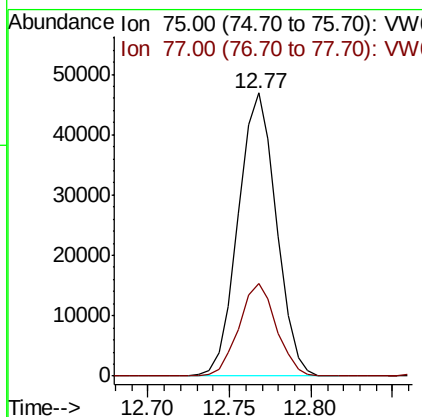
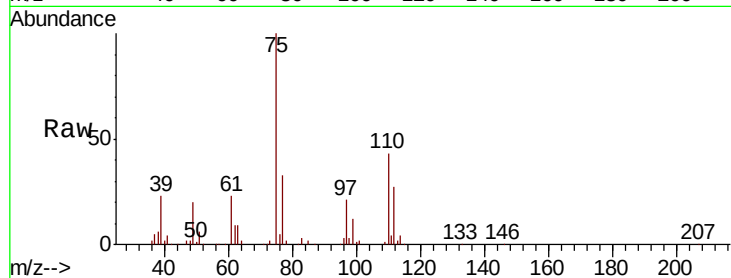




#59
 1,2,3-Trichloropropane
 Concen: 23.482 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013757.D
 Acq: 25 Oct 2019 19:09

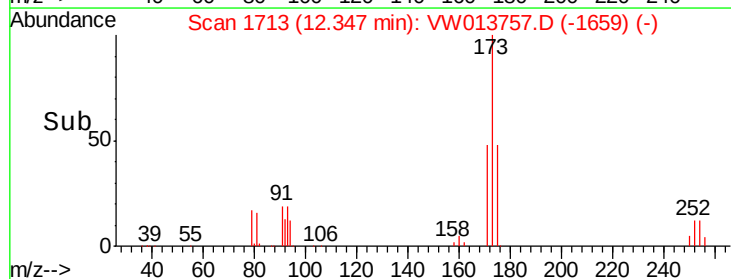
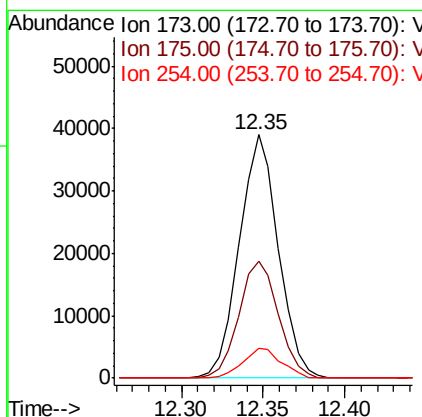
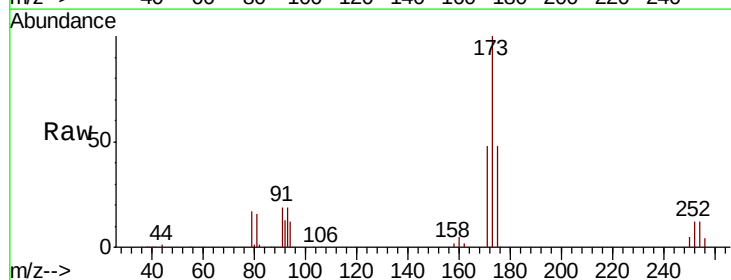
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

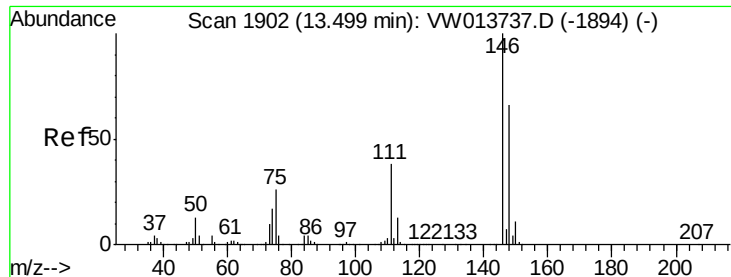
Tot Ion: 75 Resp: 76407
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.4 39.6



#62
 Bromoform
 Concen: 23.861 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW013757.D
 Acq: 25 Oct 2019 19:09

Tgt Ion: 173 Resp: 64805
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.1 58.7
 254 12.2 9.6 14.4





#63

1,3-Dichlorobenzene

Concen: 25.415 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

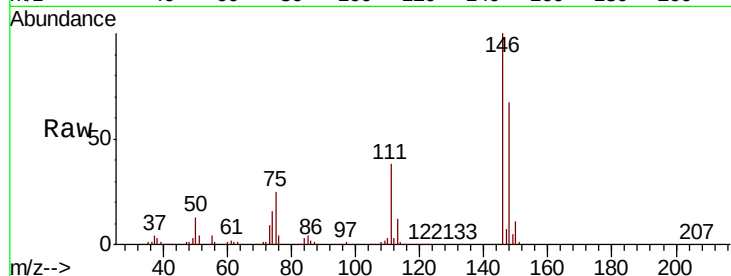
Tot Ion:146 Resp: 273294

Ion Ratio Lower Upper

146 100

111 37.8 26.1 48.5

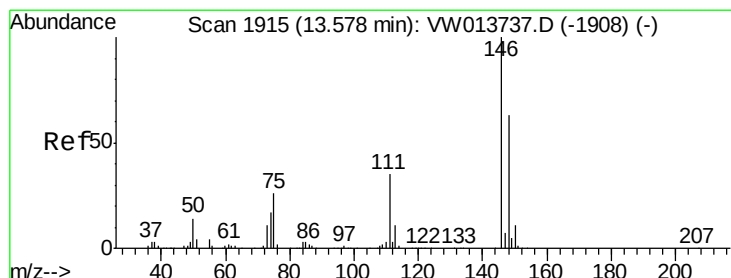
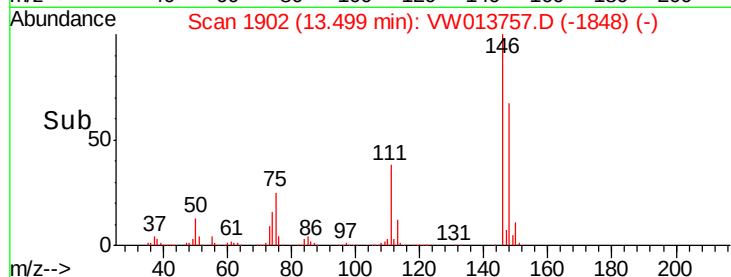
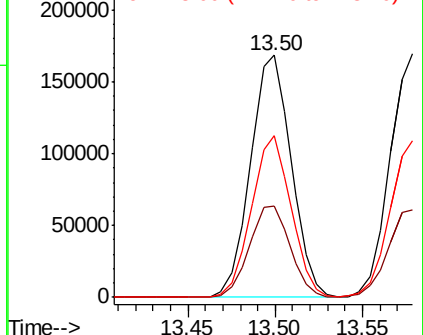
148 67.0 45.8 85.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.870 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

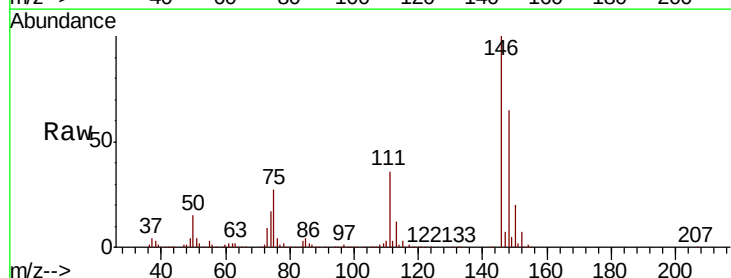
Tgt Ion:146 Resp: 268740

Ion Ratio Lower Upper

146 100

111 36.0 24.8 46.0

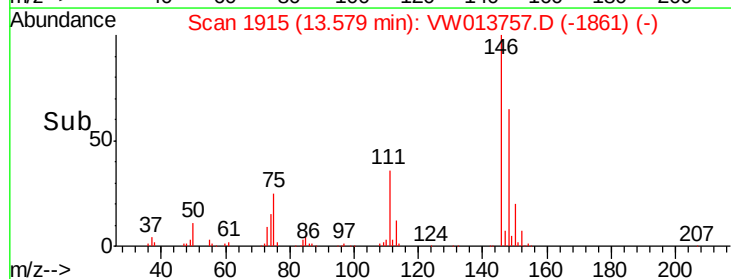
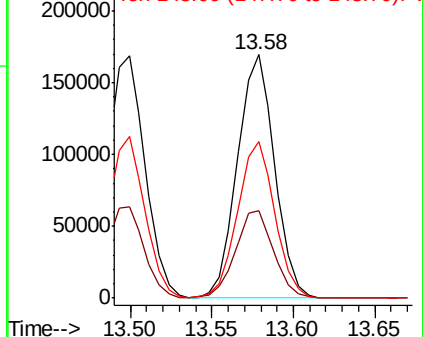
148 64.5 43.0 79.8

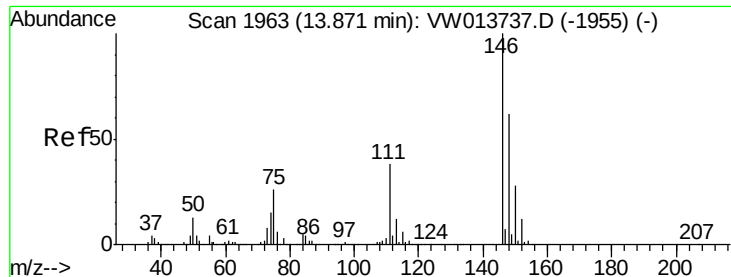


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

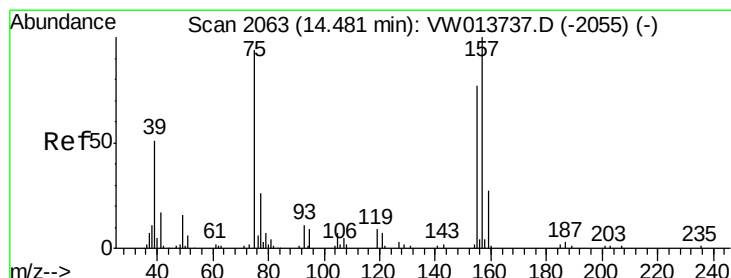
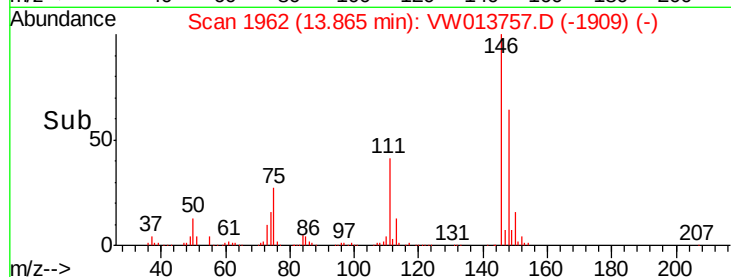
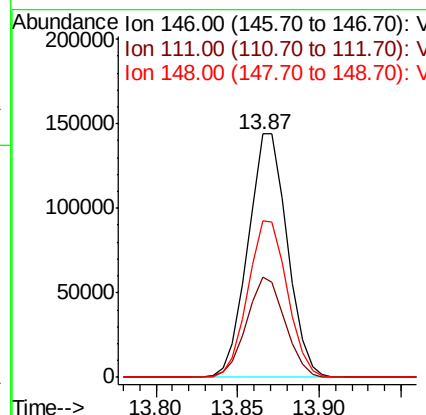
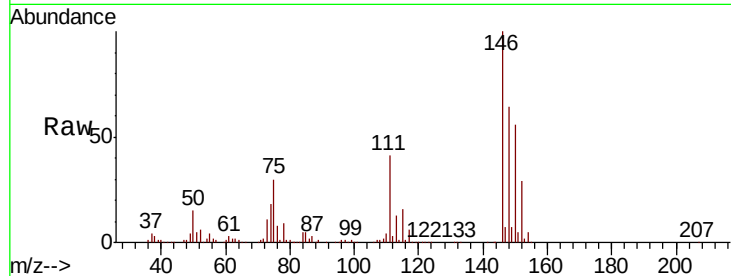




#65
 1,2-Dichlorobenzene
 Concen: 24.825 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013757.D
 Acq: 25 Oct 2019 19:09

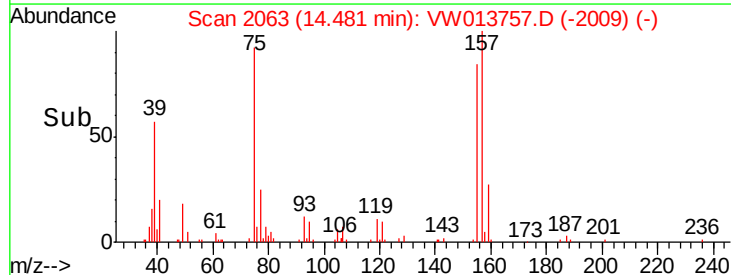
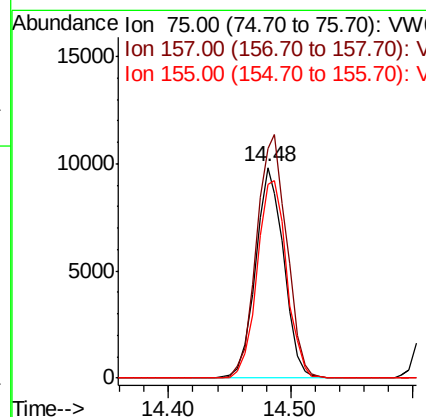
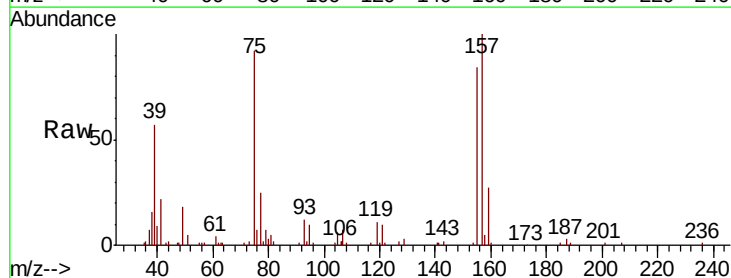
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

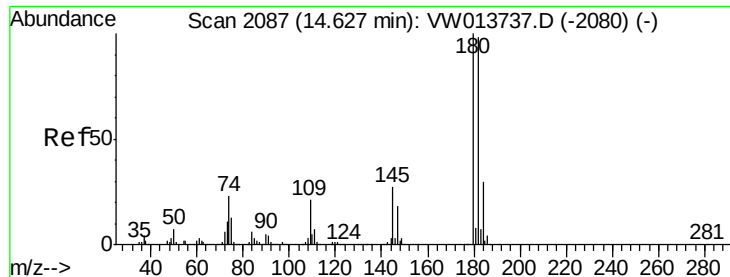
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	30.7	46.1
148	64.2	53.3	79.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.573 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013757.D
 Acq: 25 Oct 2019 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
157	108.6	99.4	149.0
155	91.7	69.7	104.5

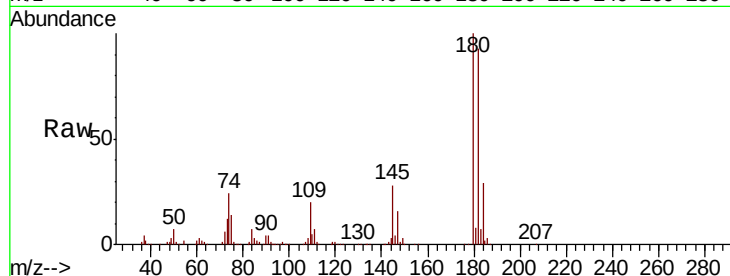




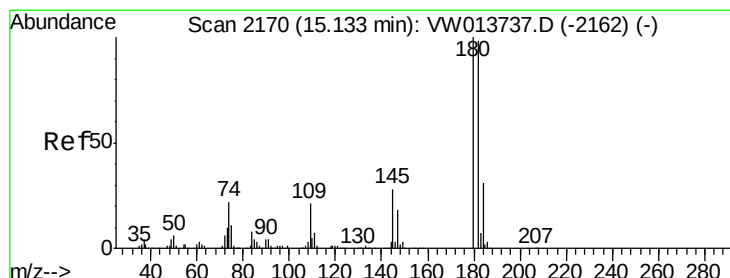
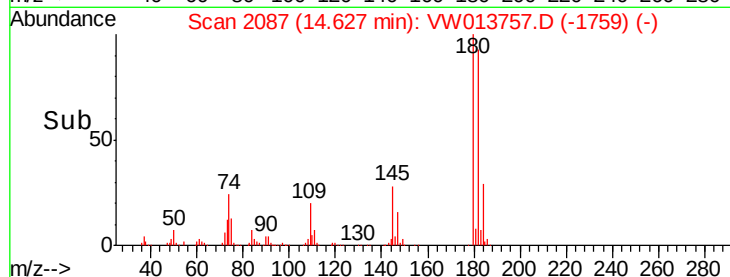
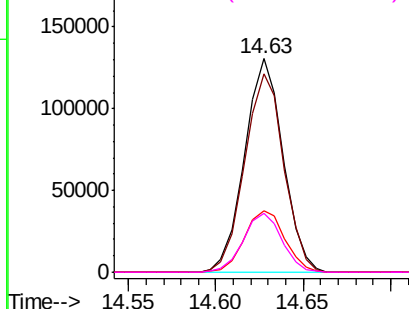
#67
 1,3,5-Trichlorobenzene
 Concen: 25.017 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013757.D
 Acq: 25 Oct 2019 19:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tot Ion:180	Resp:	199990
Ion	Ratio	Lower Upper
180	100	
182	94.6	76.2 114.4
184	30.4	24.1 36.1
145	27.8	21.8 32.8

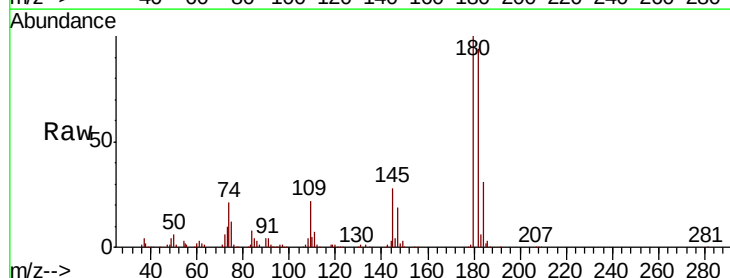


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

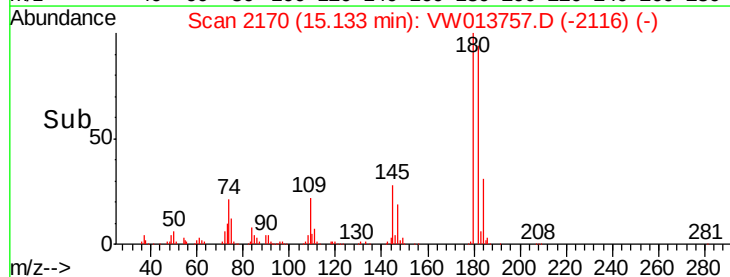
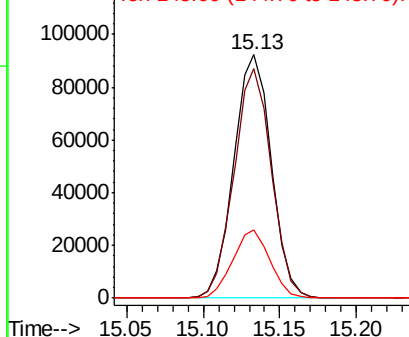


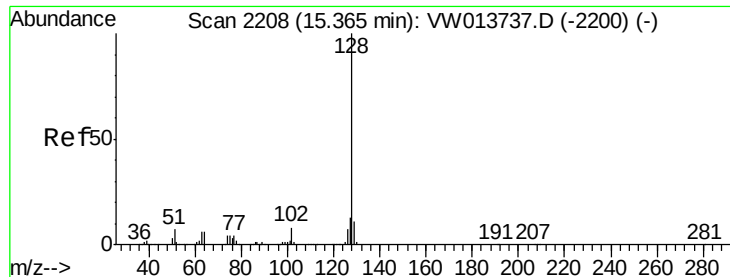
#68
 1,2,4-trichlorobenzene
 Concen: 23.100 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013757.D
 Acq: 25 Oct 2019 19:09

Tgt Ion:180	Resp:	156774
Ion	Ratio	Lower Upper
180	100	
182	94.0	75.8 113.8
145	28.0	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: 22.107 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

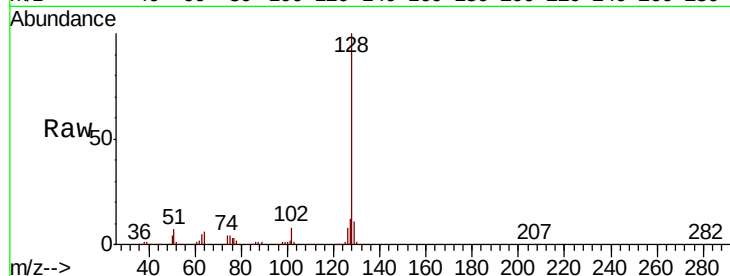
Tot Ion:128 Resp: 271868

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

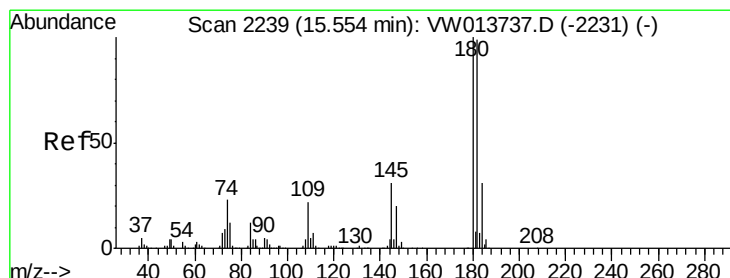
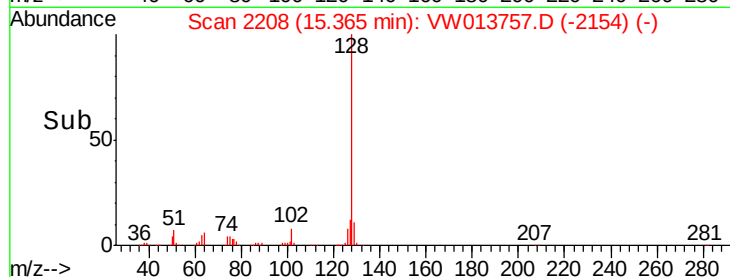
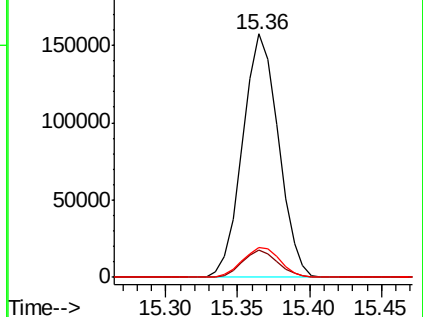
127 12.8 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.088 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013757.D

Acq: 25 Oct 2019 19:09

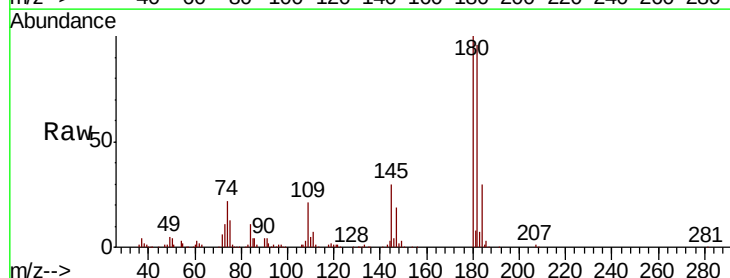
Tgt Ion:180 Resp: 140322

Ion Ratio Lower Upper

180 100

182 94.2 77.0 115.4

145 30.0 24.1 36.1



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

