

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101619\
 Data File : VW013591.D
 Acq On : 16 Oct 2019 09:48
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 16 16:33:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 15 14:37:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	465988	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	412420	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	209449	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119580	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
7) Chloroethane-d5	2.89	69	93503	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.36%
10) 1,1-Dichloroethene-d2	4.02	63	266789	24.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.40%
20) 2-Butanone-d5	7.08	46	78873	49.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.20%
24) Chloroform-d	7.65	84	245793	24.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.12%
26) 1,2-Dichloroethane-d4	8.30	65	125495	23.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.72%
29) Benzene-d6	8.27	84	529942	23.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.96%
33) 1,2-Dichloropropane-d6	9.27	67	156525	23.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.52%
37) Toluene-d8	10.32	98	487116	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.92%
38) trans-1,3-Dichloropropene-	10.58	79	67465	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.44%
39) 2-Hexanone-d5	10.92	63	62458	47.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	126744	24.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	177956	23.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	68366	26.924	ug/L 89
3) Chloromethane	2.21	50	111472	24.985	ug/L 99
5) Vinyl chloride	2.36	62	161946	25.657	ug/L 97
6) Bromomethane	2.78	94	98979	25.601	ug/L 99
8) Chloroethane	2.92	64	92419	26.104	ug/L 98
9) Trichlorofluoromethane	3.26	101	86938	26.420	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	154463	26.449	ug/L 99
12) 1,1-Dichloroethene	4.04	96	155652	26.609	ug/L 96
13) Acetone	4.13	43	78871	42.717	ug/L 71
14) Carbon disulfide	4.38	76	453187	25.387	ug/L 99
15) Methyl Acetate	4.67	43	74997	26.039	ug/L 100
16) Methylene chloride	4.92	84	160683	22.766	ug/L 95
17) Methyl tert-butyl Ether	5.42	73	242885	25.838	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	163466	26.187	ug/L 98
19) 1,1-Dichloroethane	6.21	63	276896	26.421	ug/L 97
21) 2-Butanone	7.17	43	106585	47.188	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	175110	26.229	ug/L 98

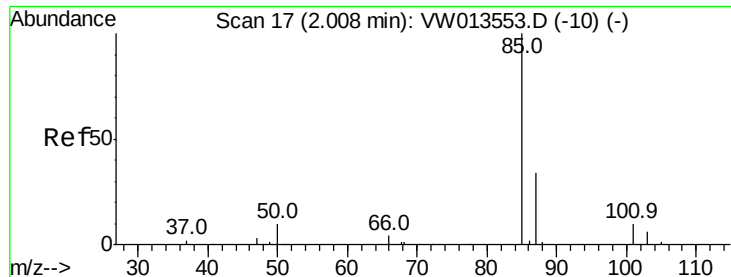
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	77146	25.807	ug/L	96
25) Chloroform	7.67	83	273450	26.449	ug/L	99
27) 1,2-Dichloroethane	8.40	62	173114	26.474	ug/L	99
30) Cyclohexane	7.95	56	277105	25.554	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	222502	26.786	ug/L	98
32) Carbon tetrachloride	8.07	117	210096	26.368	ug/L	97
34) Benzene	8.32	78	647895	26.004	ug/L	100
35) Trichloroethene	9.09	95	170481	26.232	ug/L	99
36) Methylcyclohexane	9.34	83	303110	25.647	ug/L	100
40) 1,2-Dichloropropane	9.37	63	158287	26.371	ug/L	99
41) Bromodichloromethane	9.64	83	196710	26.683	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	251662	26.136	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	208829	49.865	ug/L	98
44) Toluene	10.39	91	705635	26.133	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	201578	26.512	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	120297	26.403	ug/L	98
47) Tetrachloroethene	10.86	164	155875	26.316	ug/L	97
49) 2-Hexanone	10.97	43	149840	49.230	ug/L	97
50) Dibromochloromethane	11.13	129	144814	26.995	ug/L	98
51) 1,2-Dibromoethane	11.23	107	116751	26.086	ug/L	99
52) Chlorobenzene	11.66	112	443776	25.896	ug/L	97
53) Ethylbenzene	11.73	91	779371	26.076	ug/L	97
54) m,p-Xylene	11.84	106	300716	25.791	ug/L	98
55) o-xylene	12.16	106	284523	26.142	ug/L	96
56) Styrene	12.18	104	489187	26.392	ug/L	98
57) Isopropylbenzene	12.46	105	777543	26.335	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	143166	26.596	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	105177	26.166	ug/L	99
62) Bromoform	12.35	173	89457	26.555	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	359143	25.589	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	352894	25.259	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	322919	25.589	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21574	24.764	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	264830	25.000	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	220769	25.144	ug/L	98
69) Naphthalene	15.36	128	405802	25.375	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	195633	25.022	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 26.924 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

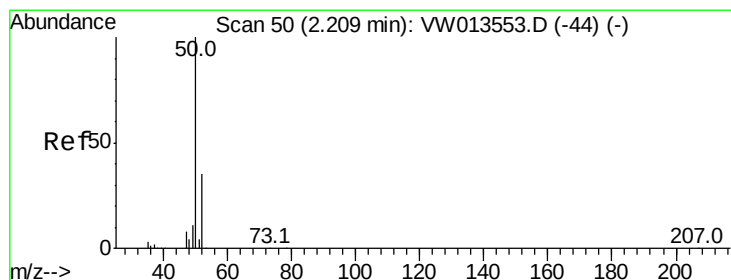
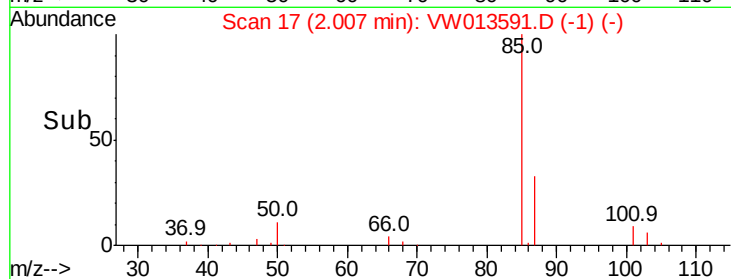
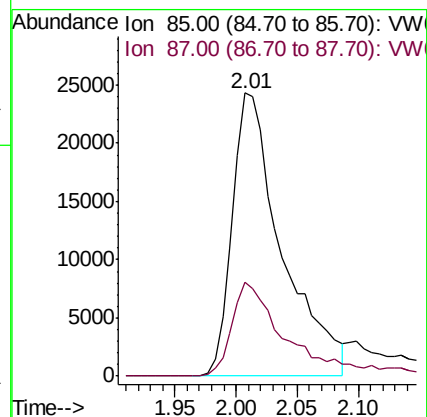
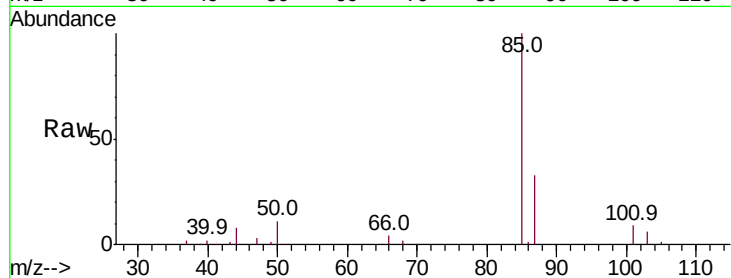
ClientSampled :

Tot Ion: 85 Resp: 68366

Ion Ratio Lower Upper

85 100

87 34.9 20.4 38.0



#3

Chloromethane

Concen: 24.985 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013591.D

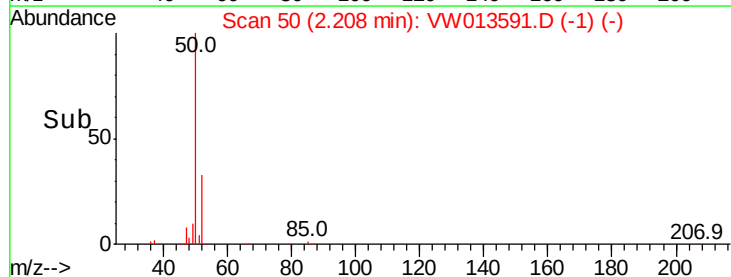
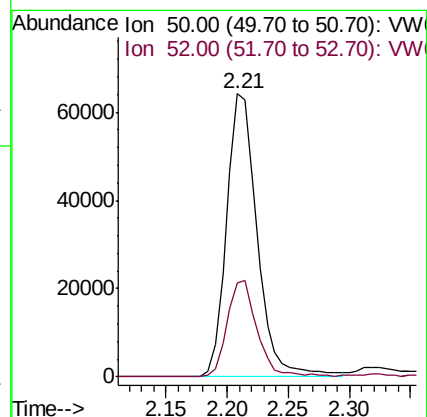
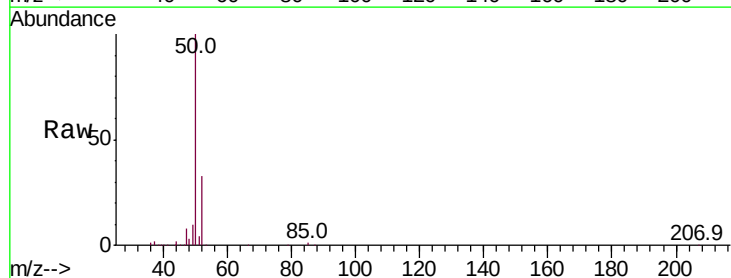
Acq: 16 Oct 2019 09:48

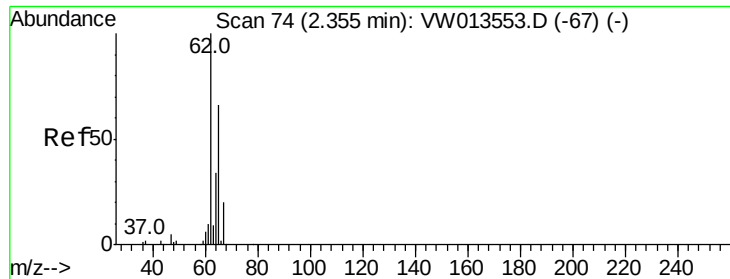
Tgt Ion: 50 Resp: 111472

Ion Ratio Lower Upper

50 100

52 33.0 22.6 42.0





#5

Vinyl chloride

Concen: 25.657 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

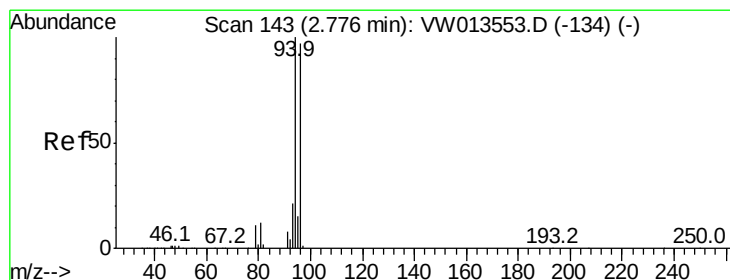
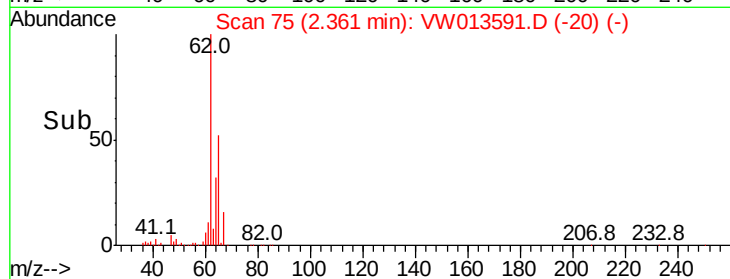
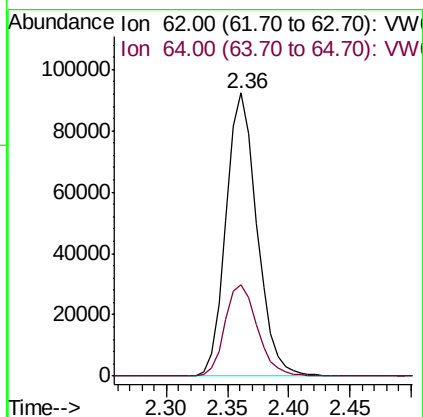
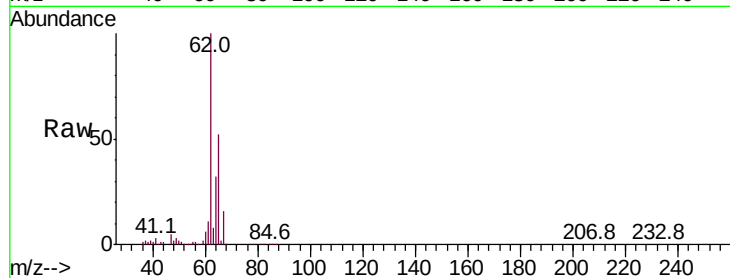
ClientSampleId :

Tot Ion: 62 Resp: 161946

Ion Ratio Lower Upper

62 100

64 32.5 23.9 44.3



#6

Bromomethane

Concen: 25.601 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013591.D

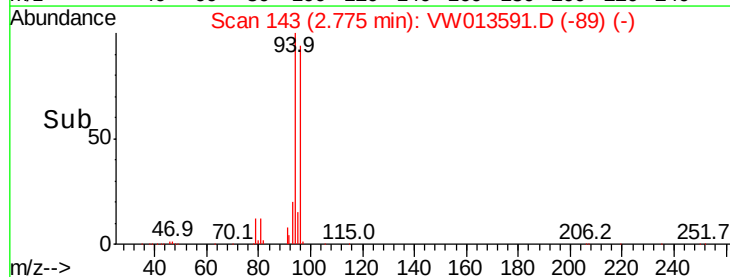
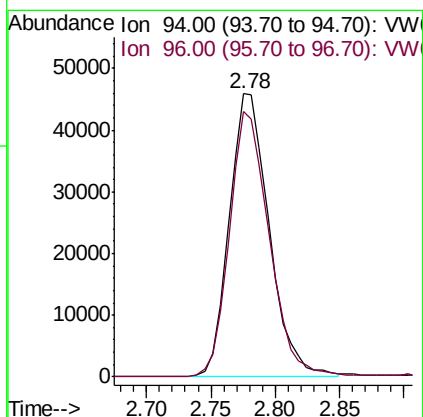
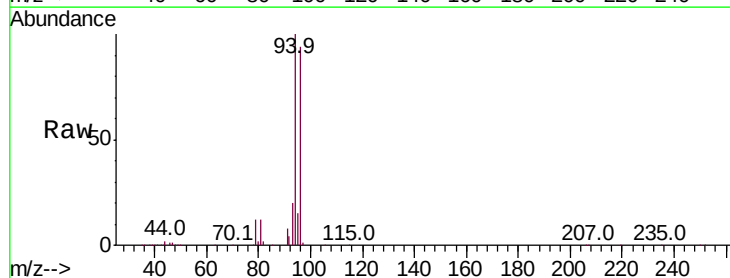
Acq: 16 Oct 2019 09:48

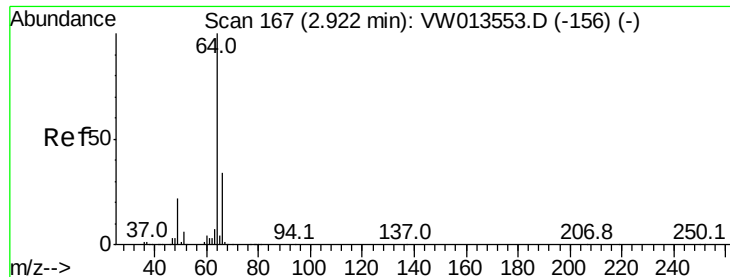
Tgt Ion: 94 Resp: 98979

Ion Ratio Lower Upper

94 100

96 93.8 9.5 179.9





#8

Chloroethane

Concen: 26.104 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

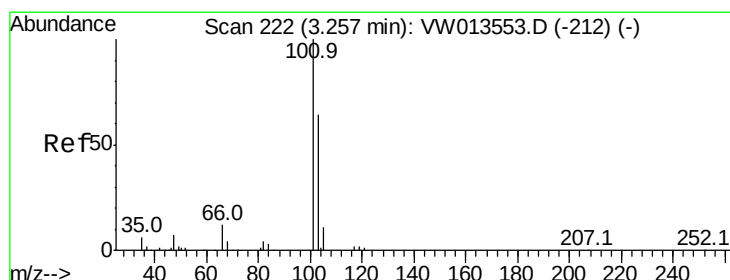
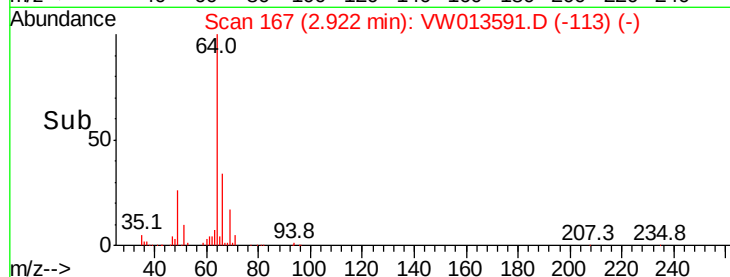
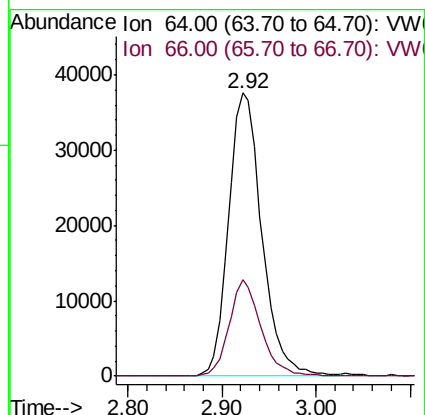
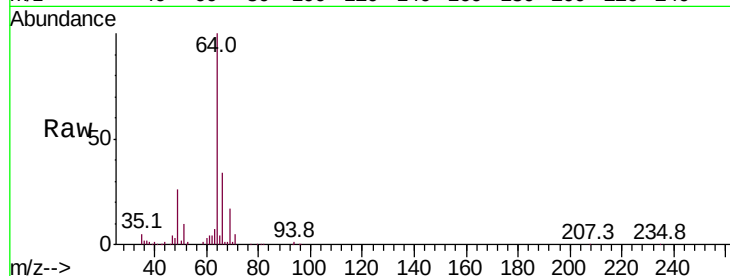
ClientSampleId :

Tot Ion: 64 Resp: 92419

Ion Ratio Lower Upper

64 100

66 34.3 23.2 43.0



#9

Trichlorofluoromethane

Concen: 26.420 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW013591.D

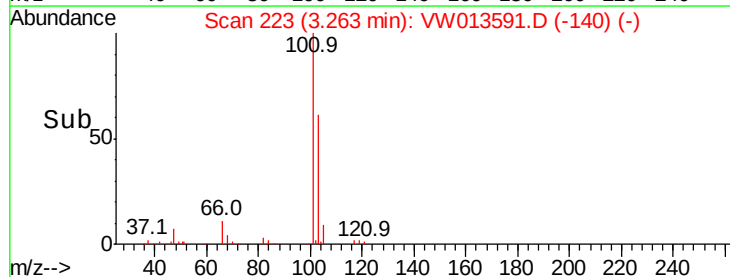
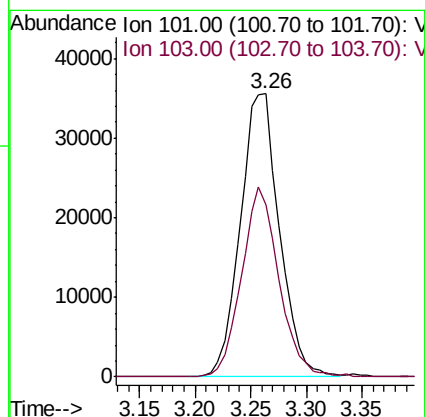
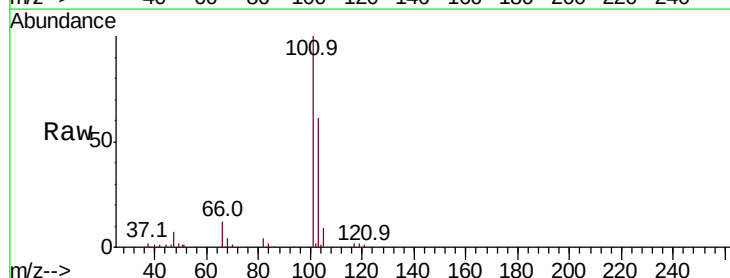
Acq: 16 Oct 2019 09:48

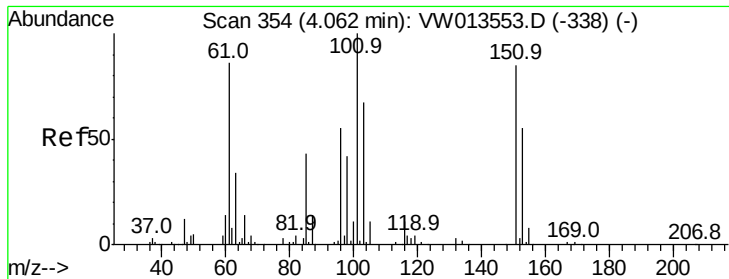
Tgt Ion: 101 Resp: 86938

Ion Ratio Lower Upper

101 100

103 63.8 46.0 85.4





#11

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

Concen: 26.449 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :
MSVOA_W
ClientSampleId :

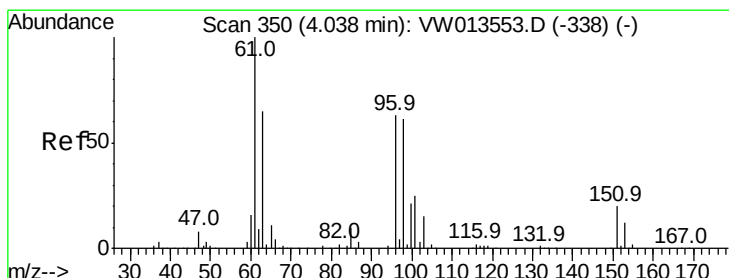
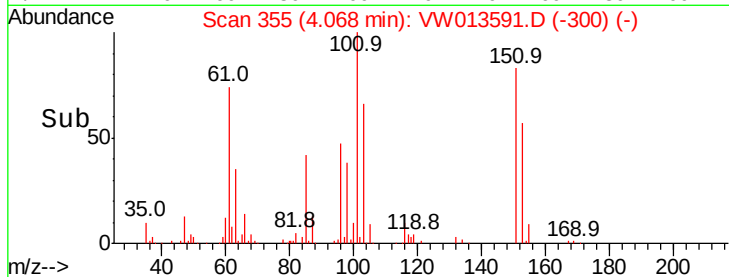
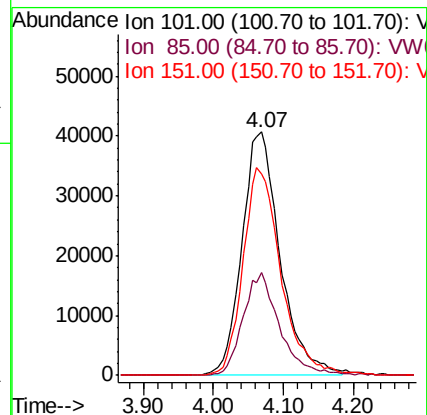
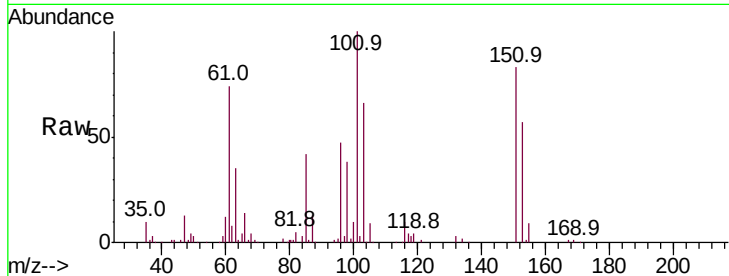
Tot Ion:101 Resp: 154463

Ion Ratio Lower Upper

101 100

85 40.4 32.0 48.0

151 83.4 67.0 100.6



#12

1,1-Dichloroethene

Concen: 26.609 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

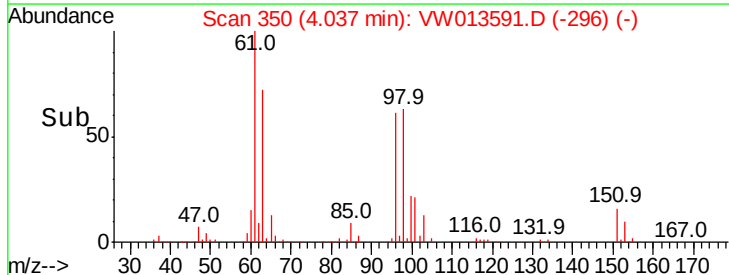
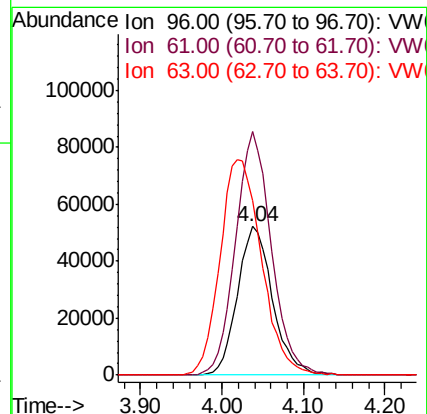
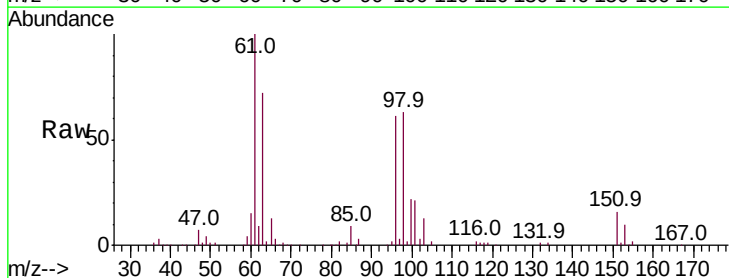
Tgt Ion: 96 Resp: 155652

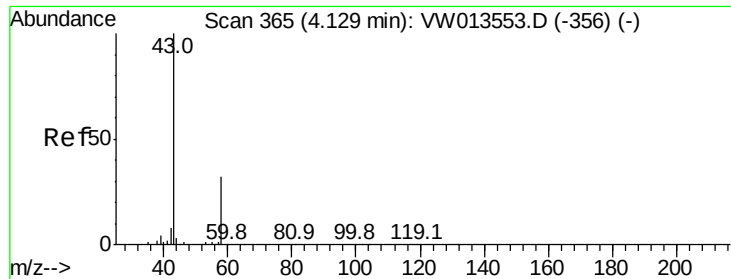
Ion Ratio Lower Upper

96 100

61 164.2 111.0 206.2

63 118.0 86.3 160.3





#13

Acetone

Concen: 42.717 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

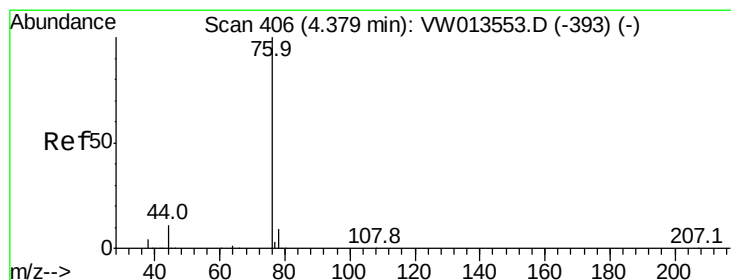
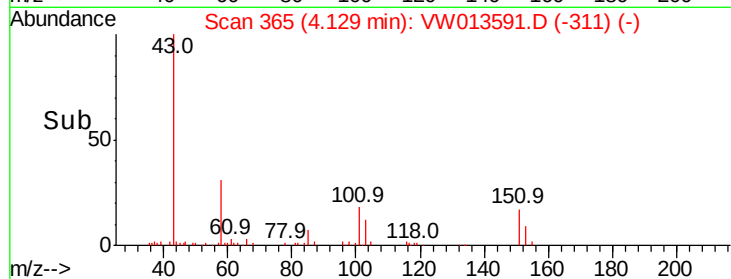
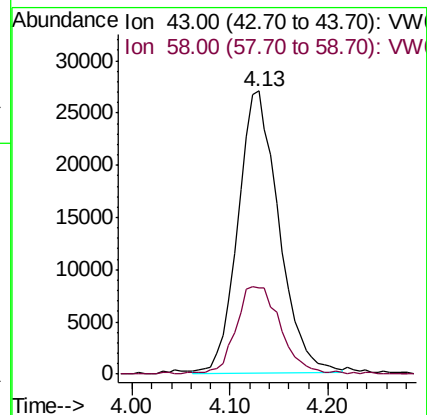
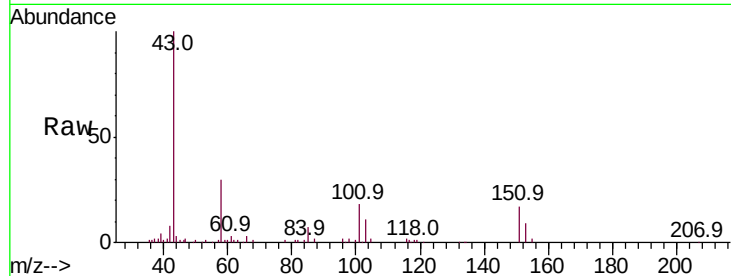
ClientSampled :

Tot Ion: 43 Resp: 78871

Ion Ratio Lower Upper

43 100

58 17.5 0.0 67.8



#14

Carbon disulfide

Concen: 25.387 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013591.D

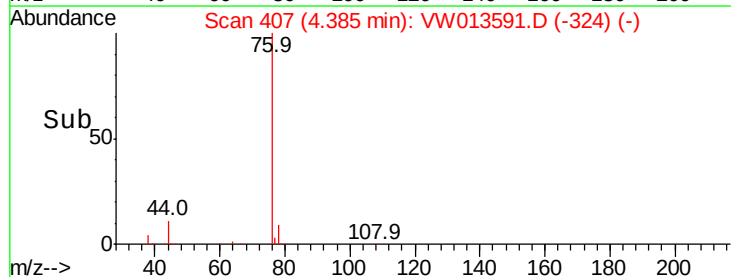
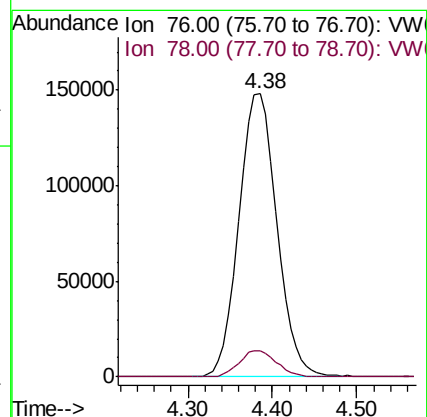
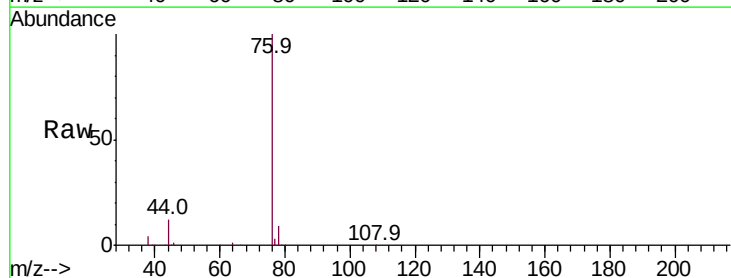
Acq: 16 Oct 2019 09:48

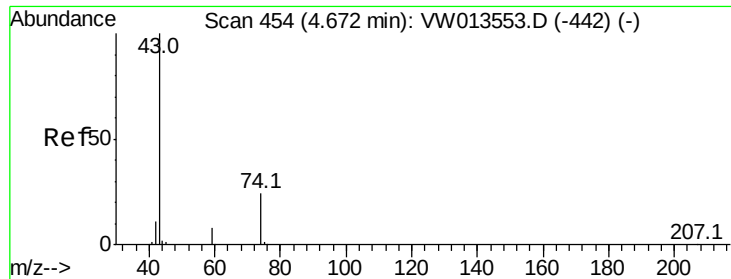
Tgt Ion: 76 Resp: 453187

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

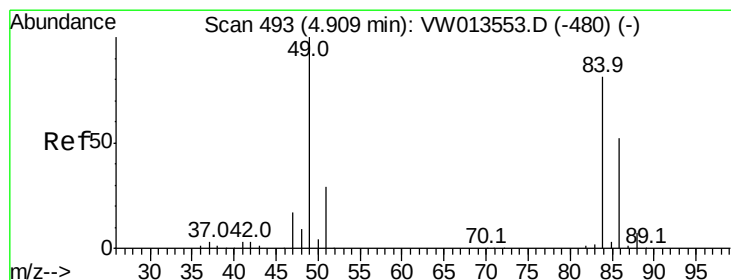
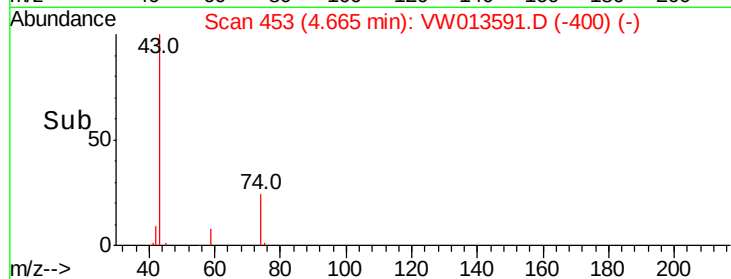
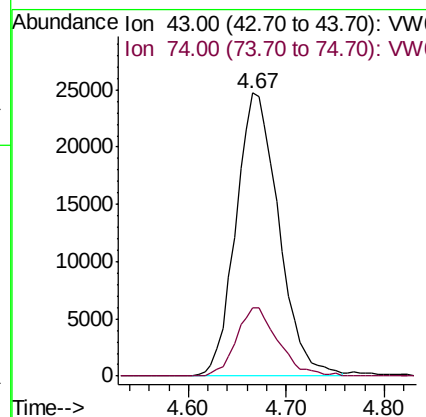
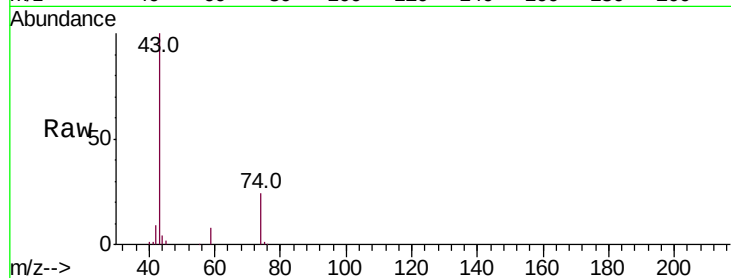




#15
Methyl Acetate
Concen: 26.039 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

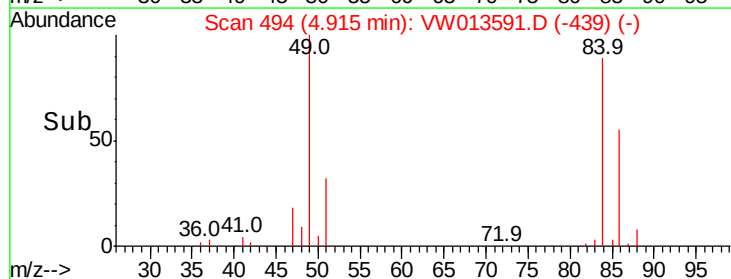
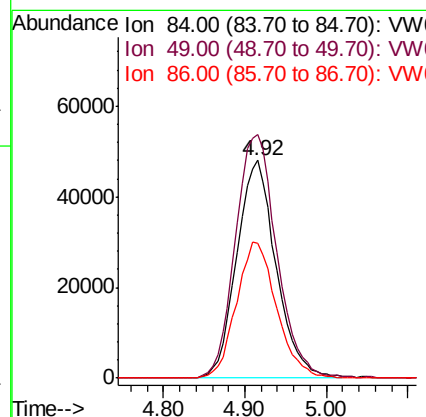
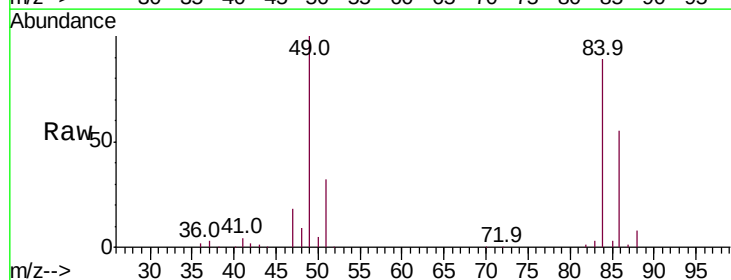
Instrument :
MSVOA_W
ClientSampled :

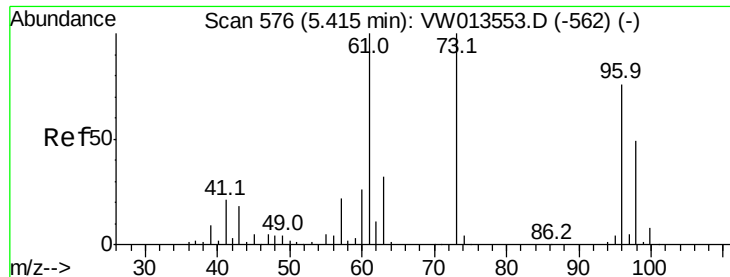
Tot Ion: 43 Resp: 74997
Ion Ratio Lower Upper
43 100
74 23.5 18.7 28.1



#16
Methylene chloride
Concen: 22.766 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

Tgt Ion: 84 Resp: 160683
Ion Ratio Lower Upper
84 100
49 111.8 81.3 151.1
86 61.8 46.3 86.1

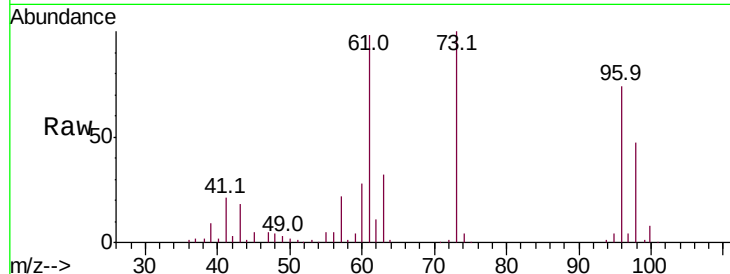




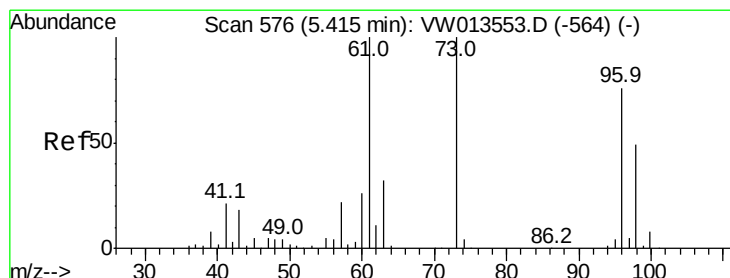
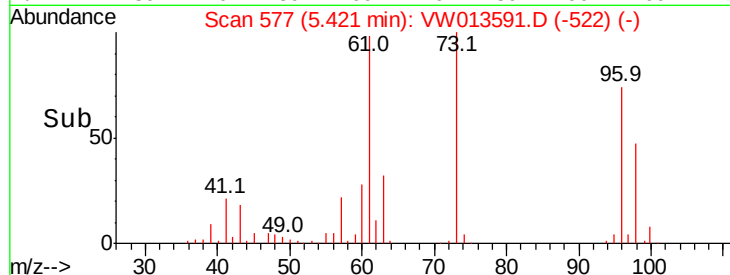
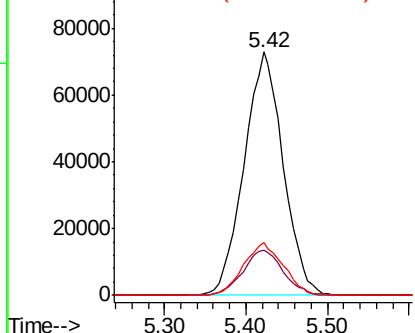
#17
Methyl tert-butyl Ether
Concen: 25.838 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 242885
Ion Ratio Lower Upper
73 100
43 19.2 15.0 22.4
57 22.1 18.1 27.1

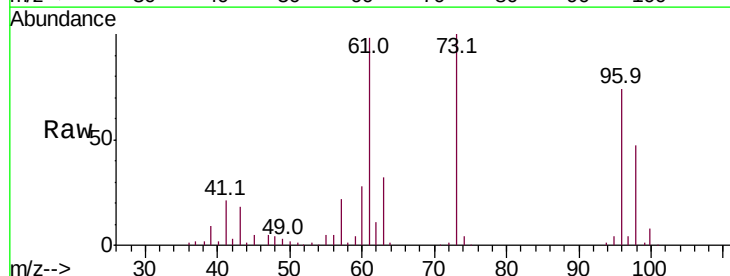


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

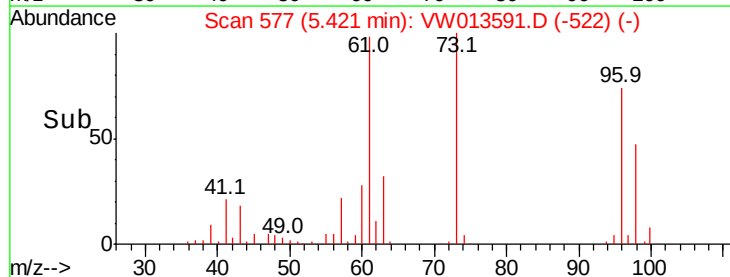
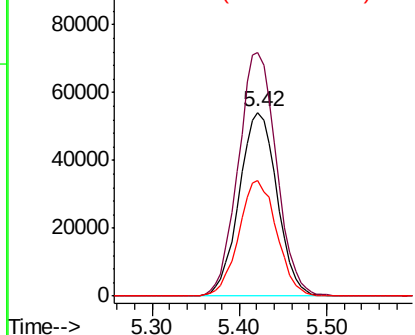


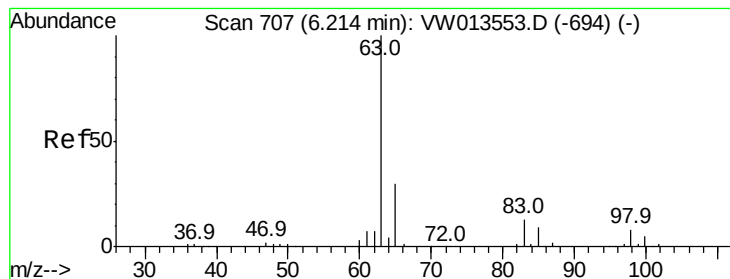
#18
trans-1,2-Dichloroethene
Concen: 26.187 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

Tgt Ion: 96 Resp: 163466
Ion Ratio Lower Upper
96 100
61 132.4 93.7 173.9
98 62.6 46.1 85.7



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





#19

1,1-Dichloroethane

Concen: 26.421 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

ClientSampleId :

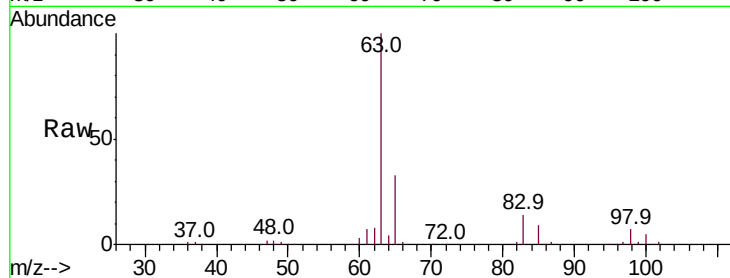
Tot Ion: 63 Resp: 276896

Ion Ratio Lower Upper

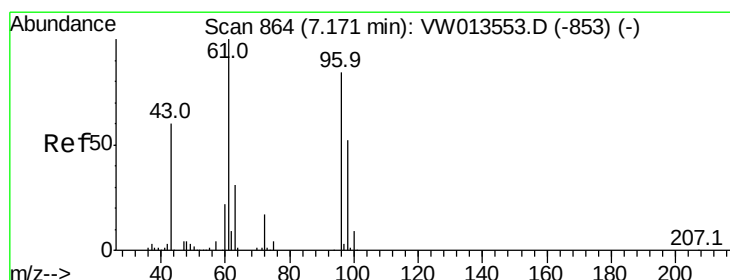
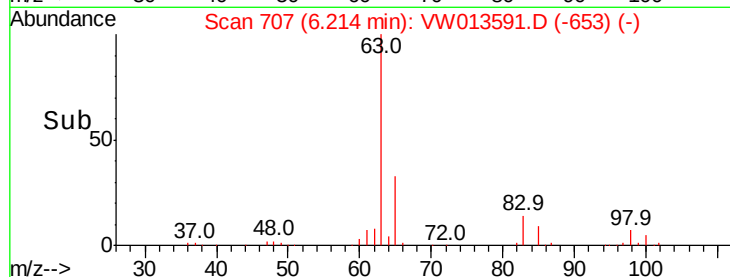
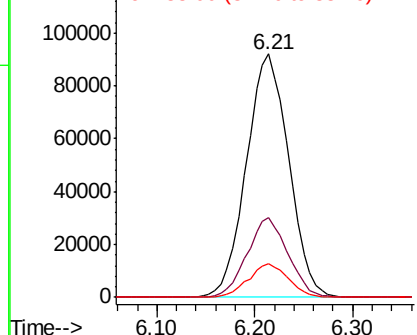
63 100

65 32.7 21.6 40.0

83 14.0 9.0 16.6



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



#21

2-Butanone

Concen: 47.188 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013591.D

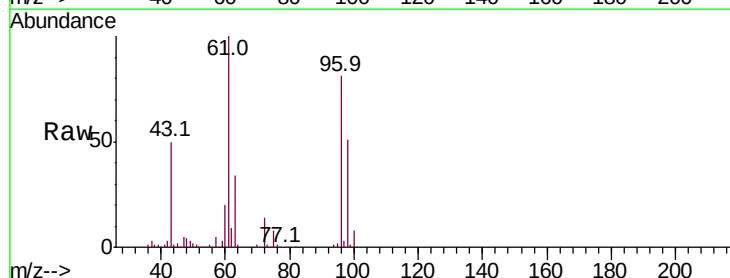
Acq: 16 Oct 2019 09:48

Tgt Ion: 43 Resp: 106585

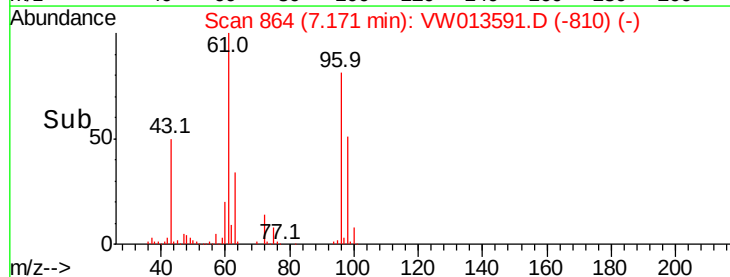
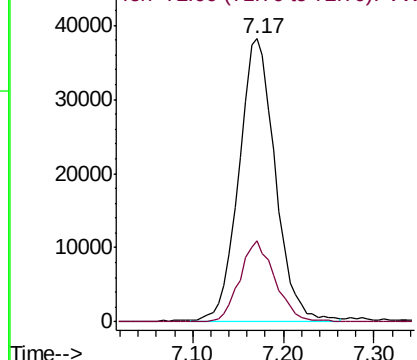
Ion Ratio Lower Upper

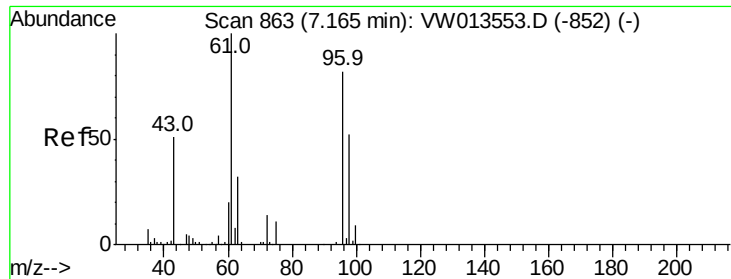
43 100

72 27.5 13.5 40.4



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



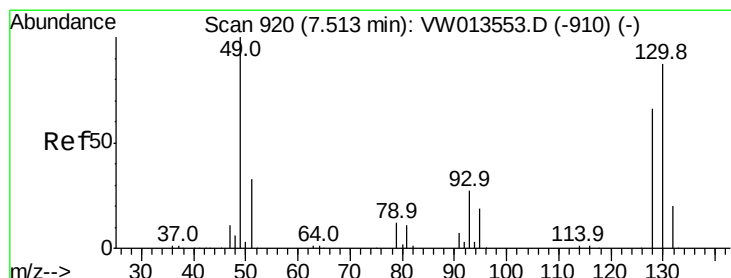
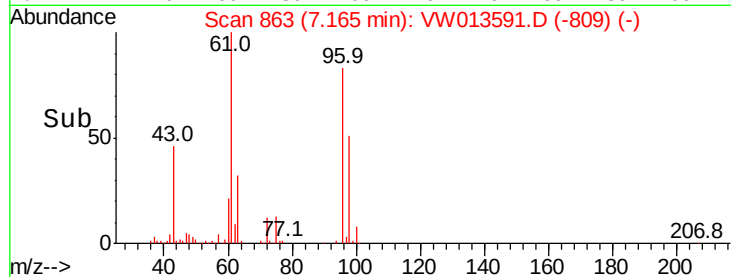
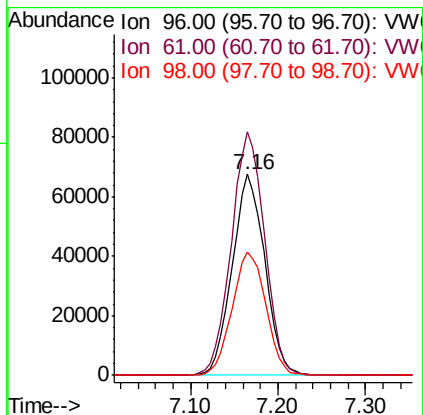
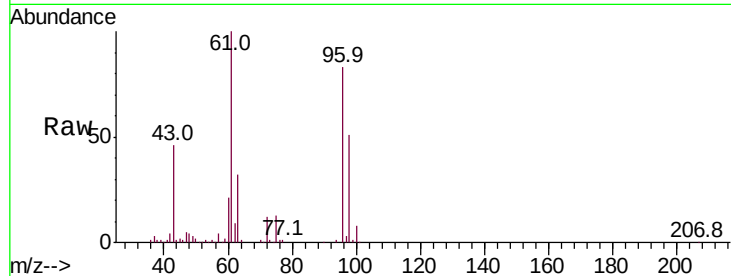


#22

cis-1,2-Dichloroethene
Concen: 26.229 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

Instrument :
MSVOA_W
ClientSampleId :

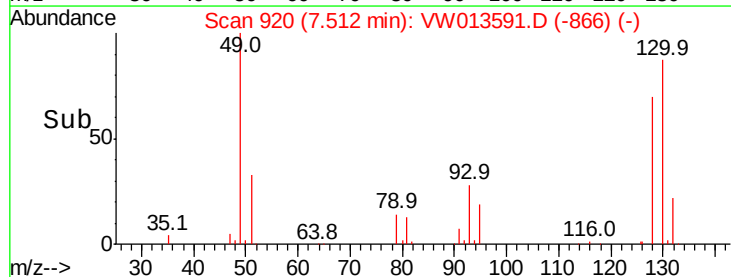
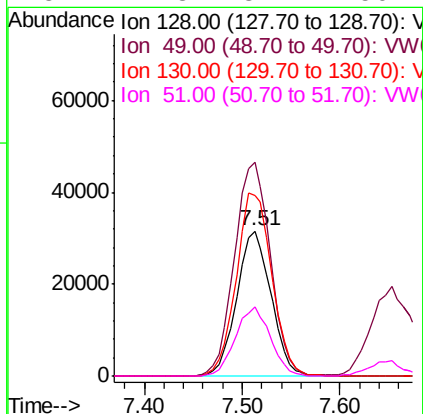
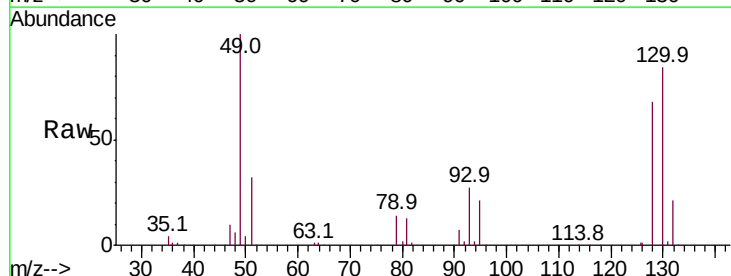
Tot Ion: 96 Resp: 175110
Ion Ratio Lower Upper
96 100
61 121.1 86.0 159.8
98 61.5 44.4 82.5

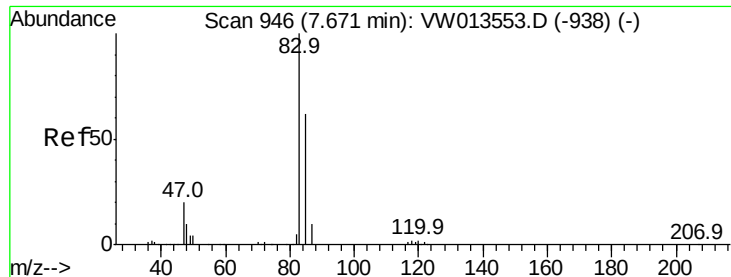


#23

Bromochloromethane
Concen: 25.807 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

Tgt Ion: 128 Resp: 77146
Ion Ratio Lower Upper
128 100
49 147.0 108.0 200.6
130 124.0 89.4 166.0
51 47.3 37.4 56.2

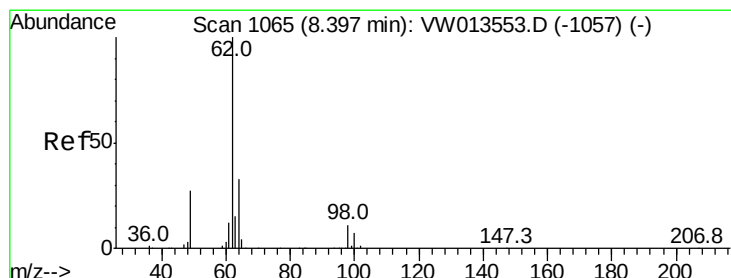
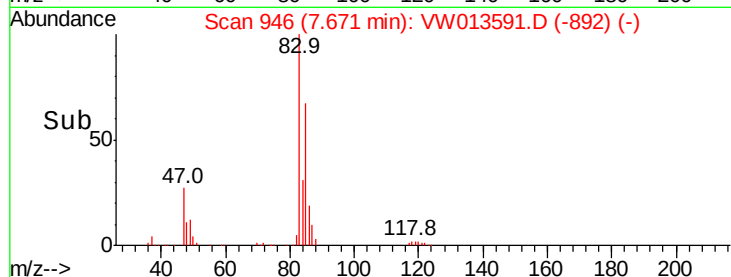
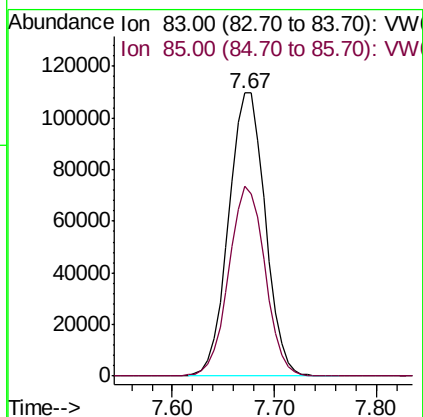
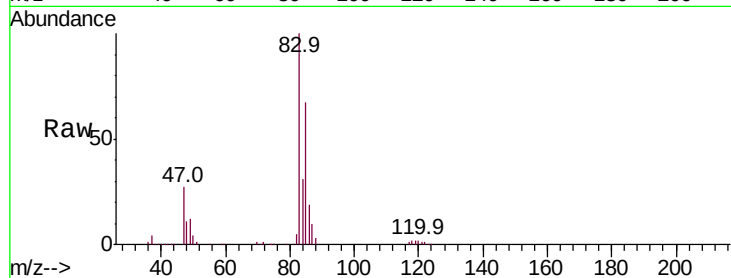




#25
Chloroform
Concen: 26.449 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

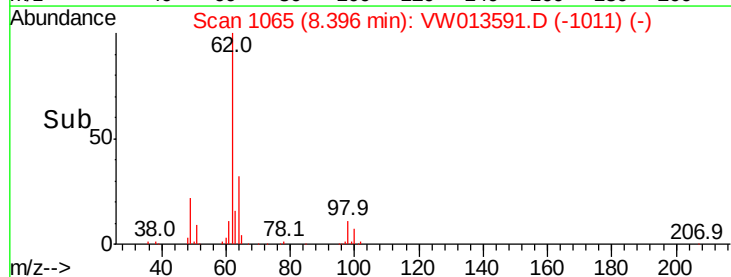
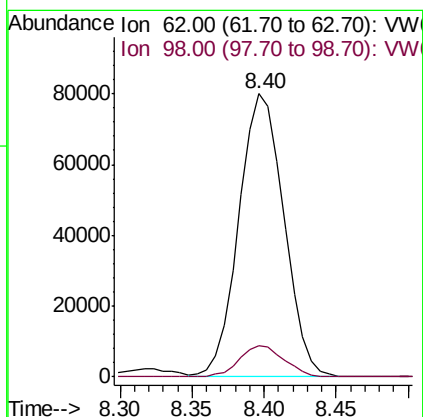
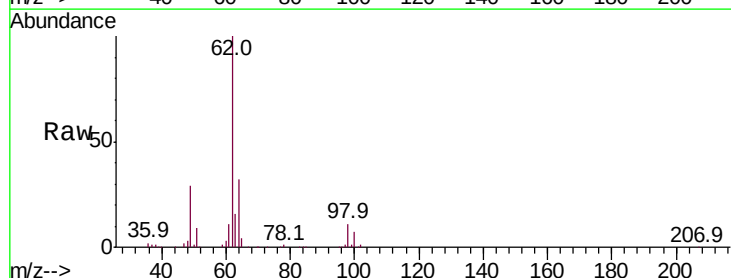
Instrument :
MSVOA_W
ClientSampled :

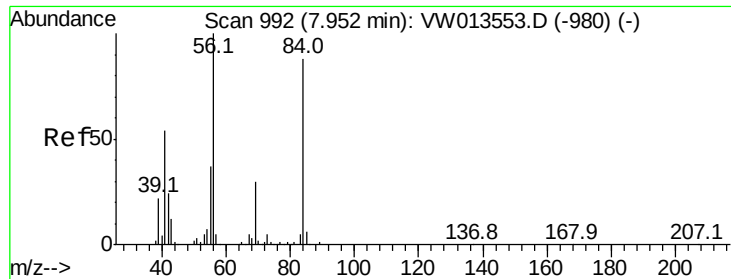
Tot Ion: 83 Resp: 273450
Ion Ratio Lower Upper
83 100
85 66.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 26.474 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

Tgt Ion: 62 Resp: 173114
Ion Ratio Lower Upper
62 100
98 10.9 9.0 13.4

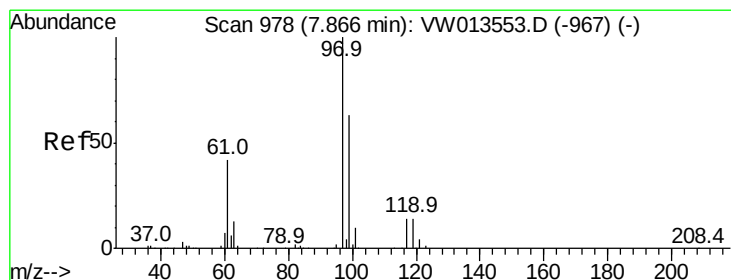
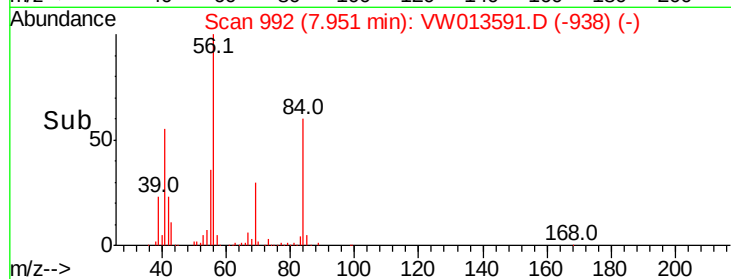
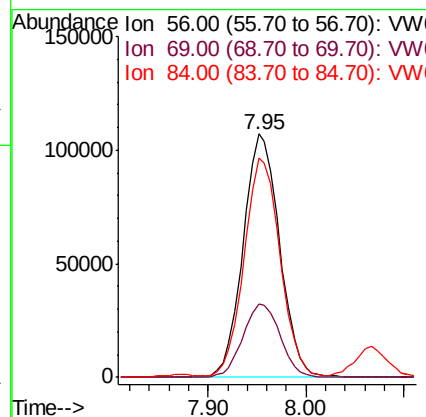
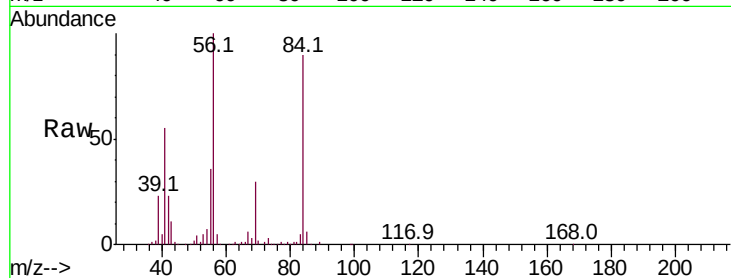




#30
Cyclohexane
Concen: 25.554 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

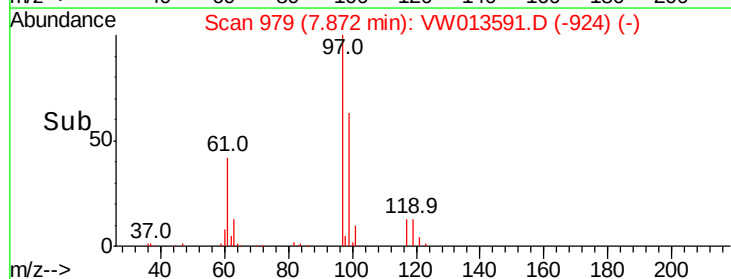
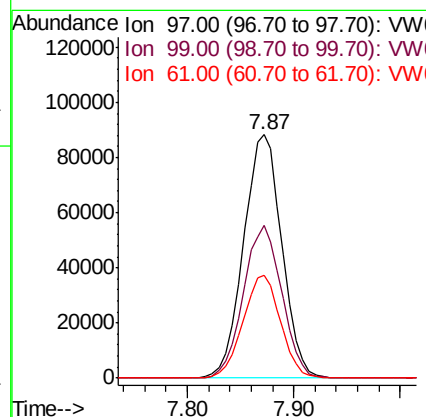
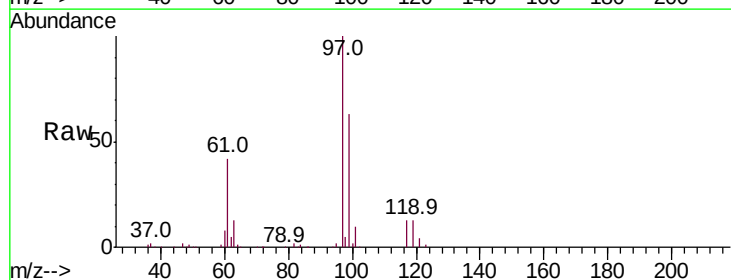
Instrument :
MSVOA_W
ClientSampled :

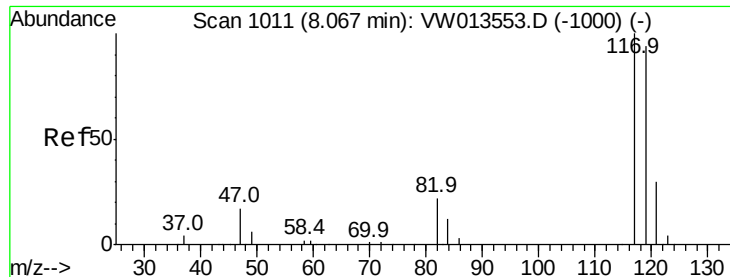
Tot Ion: 56 Resp: 277105
Ion Ratio Lower Upper
56 100
69 30.8 24.7 37.1
84 89.3 70.4 105.6



#31
1,1,1-Trichloroethane
Concen: 26.786 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

Tgt Ion: 97 Resp: 222502
Ion Ratio Lower Upper
97 100
99 62.9 51.8 77.8
61 41.7 33.7 50.5





#32

Carbon tetrachloride

Concen: 26.368 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

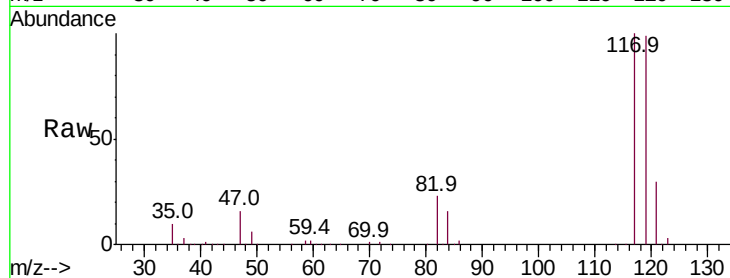
ClientSampled :

Tot Ion:117 Resp: 210096

Ion Ratio Lower Upper

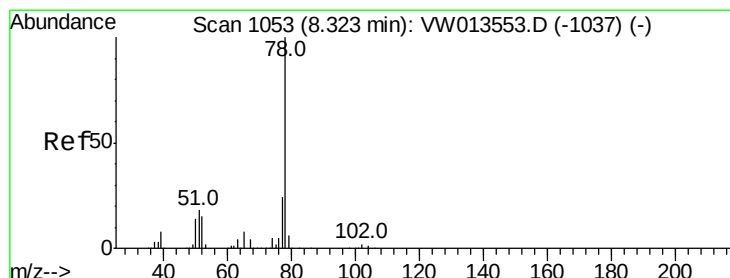
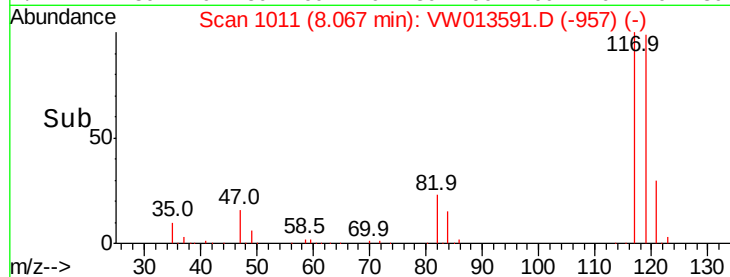
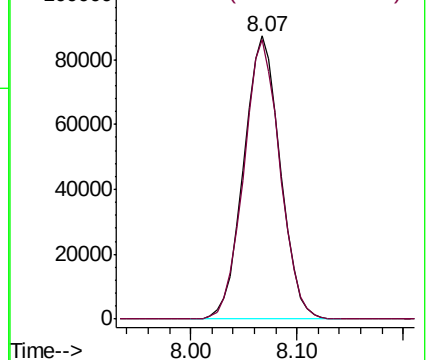
117 100

119 97.8 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: 26.004 ug/L

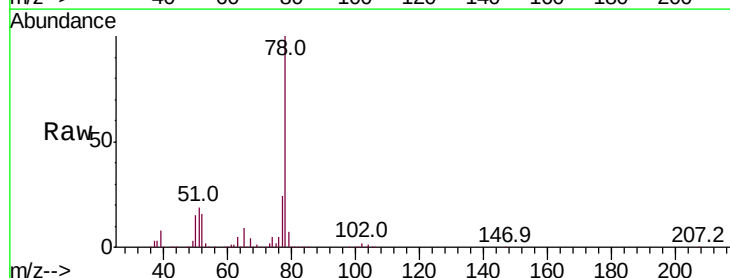
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

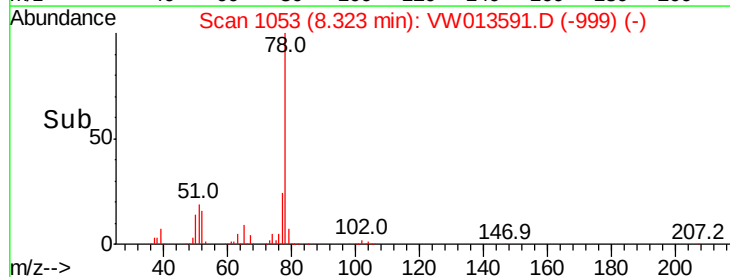
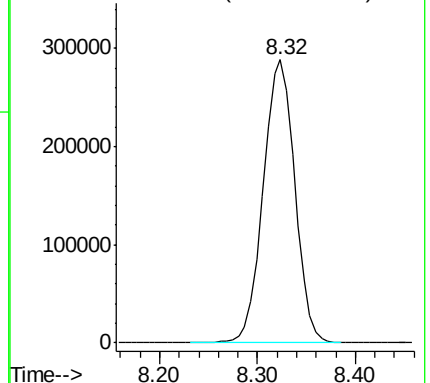
Lab File: VW013591.D

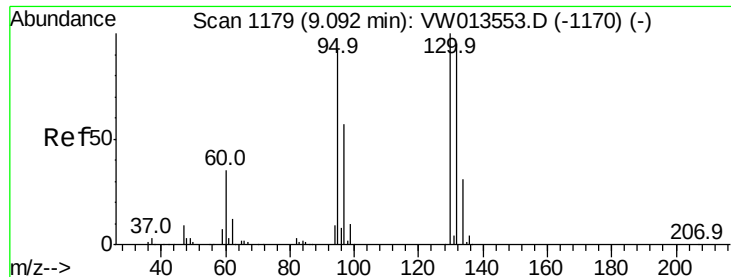
Acq: 16 Oct 2019 09:48

Tgt Ion: 78 Resp: 647895



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.232 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 170481

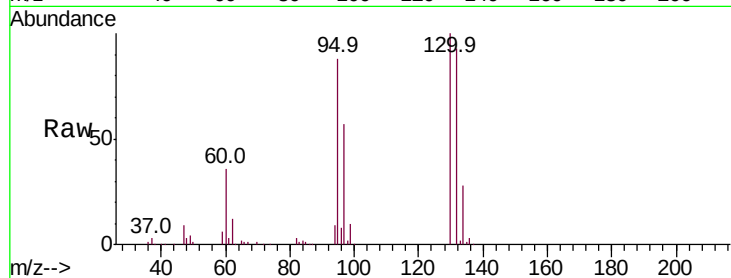
Ion Ratio Lower Upper

95 100

97 63.2 45.1 83.7

132 103.9 73.6 136.8

130 108.7 76.3 141.7

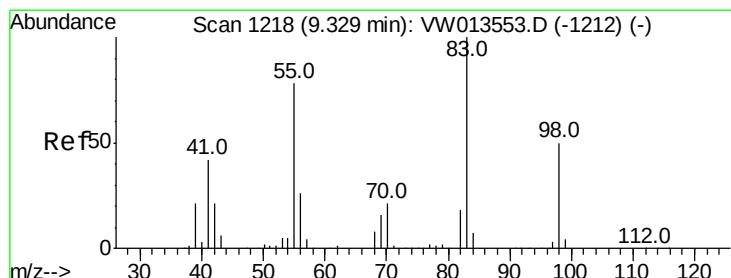
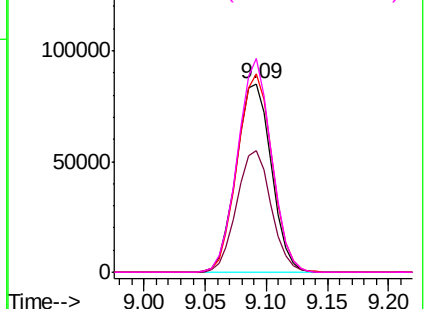
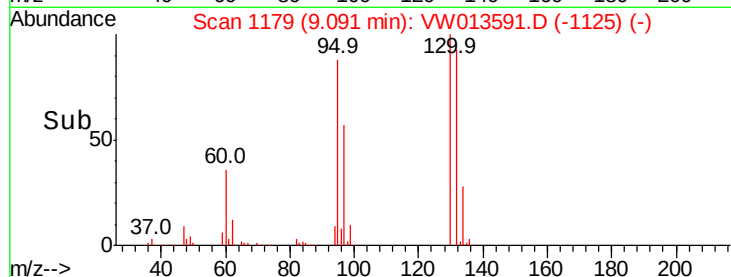


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 25.647 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

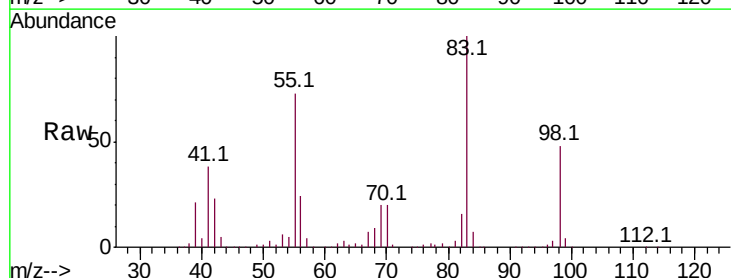
Tgt Ion: 83 Resp: 303110

Ion Ratio Lower Upper

83 100

55 75.3 60.4 90.6

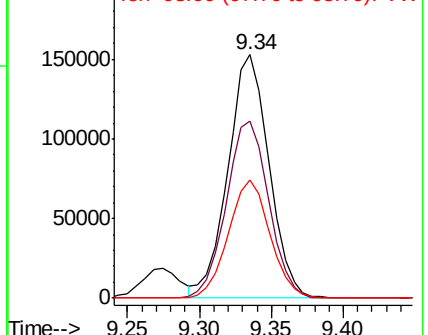
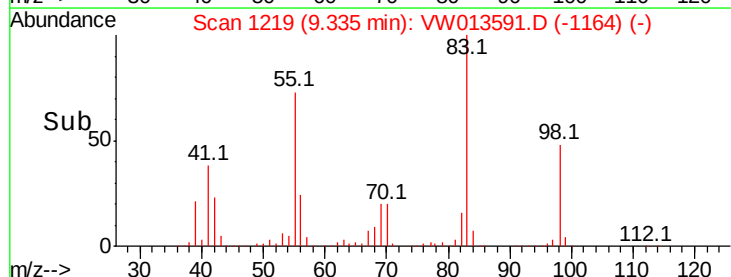
98 49.3 39.3 58.9

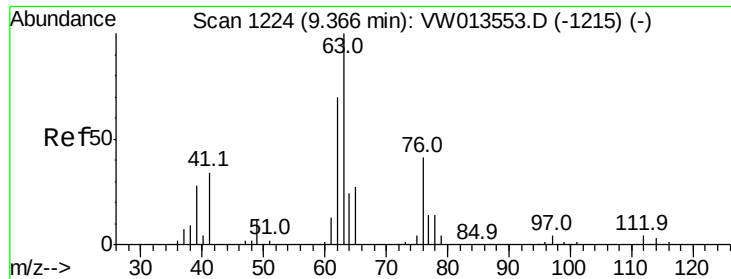


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

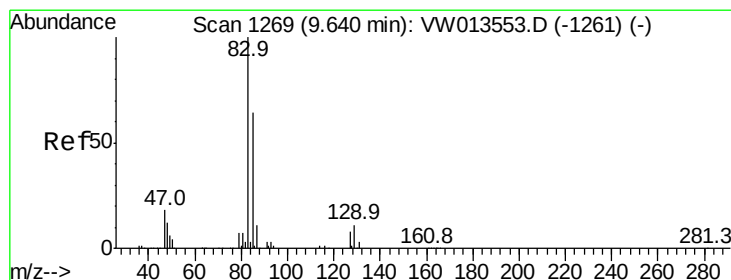
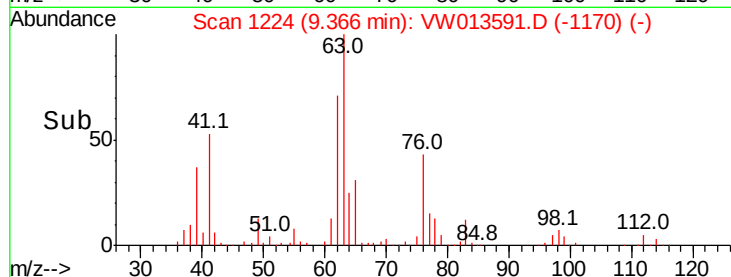
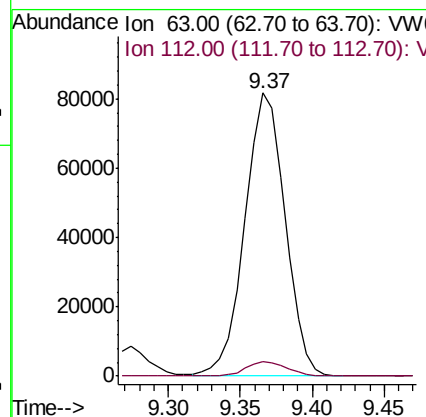
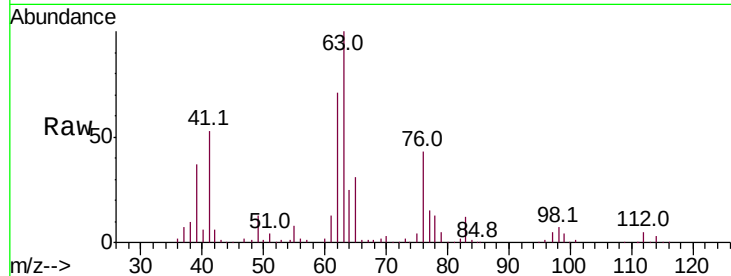




#40
 1,2-Dichloropropane
 Concen: 26.371 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013591.D
 Acq: 16 Oct 2019 09:48

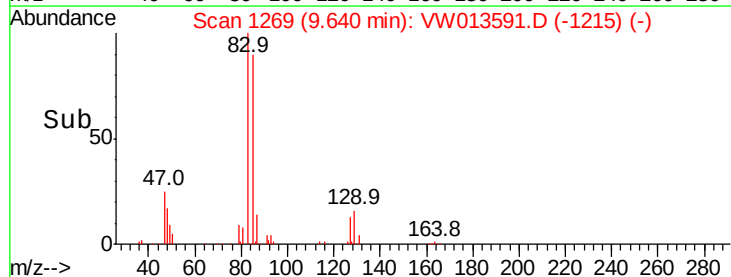
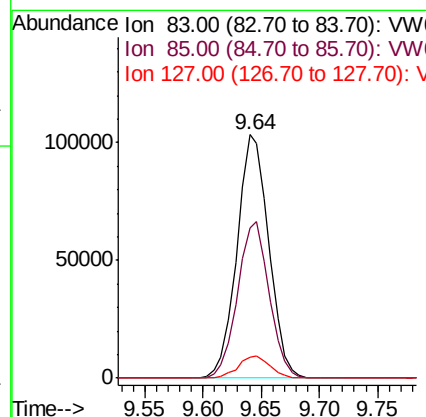
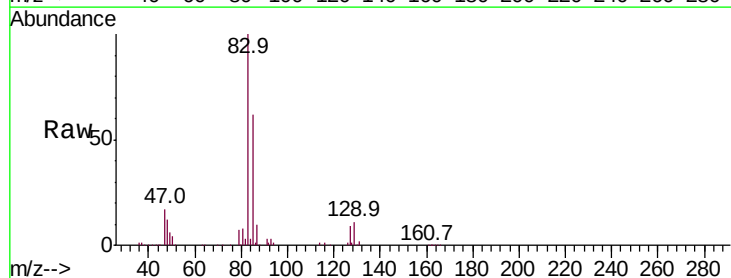
Instrument :
 MSVOA_W
 ClientSampled :

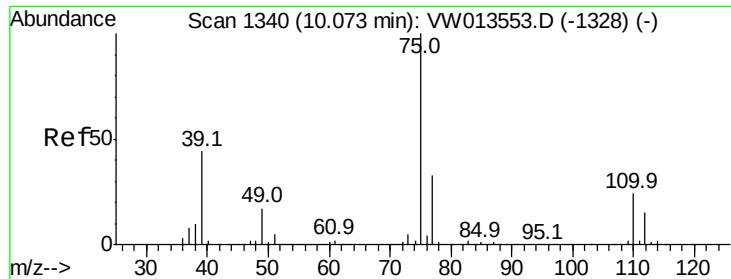
Tot Ion: 63 Resp: 158287
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.8



#41
 Bromodichloromethane
 Concen: 26.683 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013591.D
 Acq: 16 Oct 2019 09:48

Tgt Ion: 83 Resp: 196710
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.1 83.9
 127 8.8 7.1 10.7

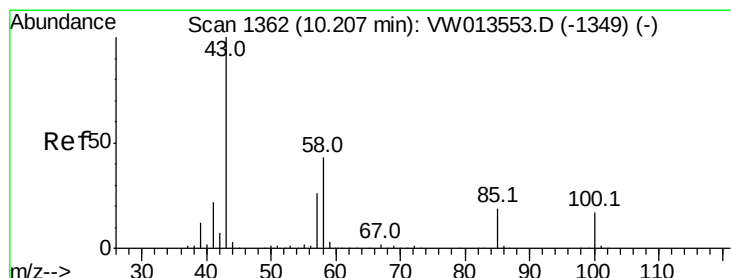
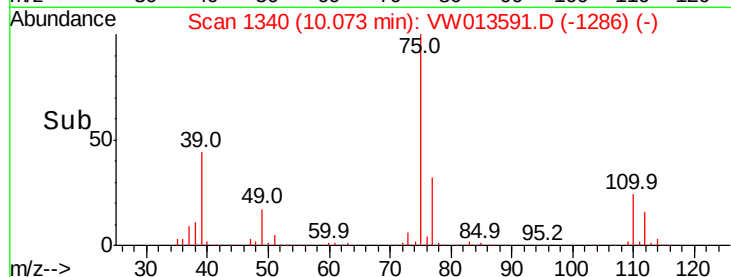
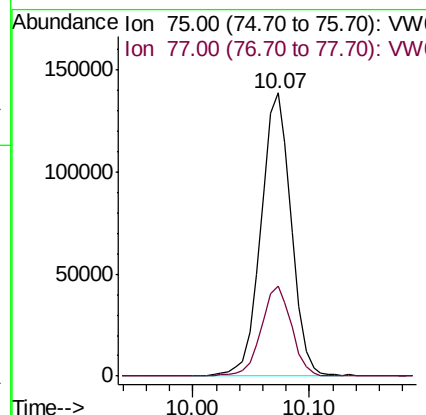
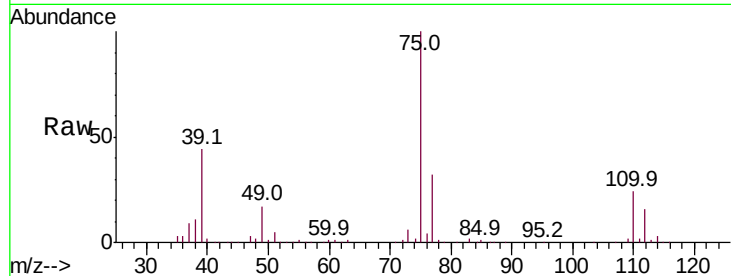




#42
 cis-1,3-Dichloropropene
 Concen: 26.136 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013591.D
 Acq: 16 Oct 2019 09:48

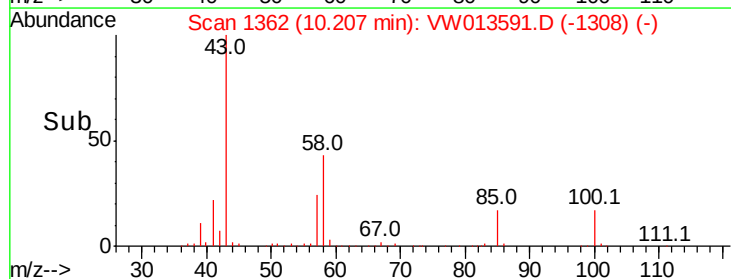
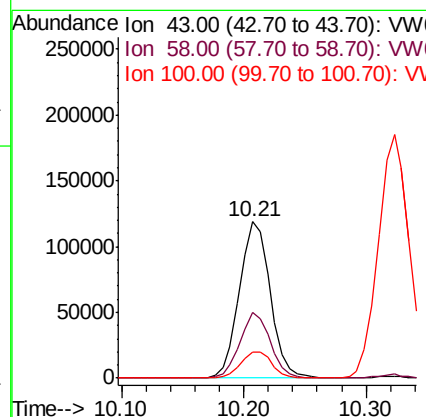
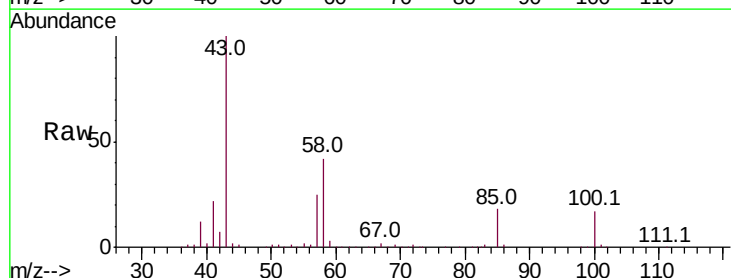
Instrument :
 MSVOA_W
 ClientSampleId :

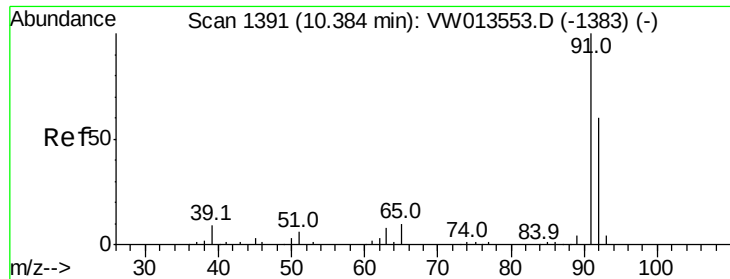
Tot Ion: 75 Resp: 251662
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 49.865 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013591.D
 Acq: 16 Oct 2019 09:48

Tgt Ion: 43 Resp: 208829
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.0 48.0
 100 17.3 13.7 20.5





#44

Toluene

Concen: 26.133 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

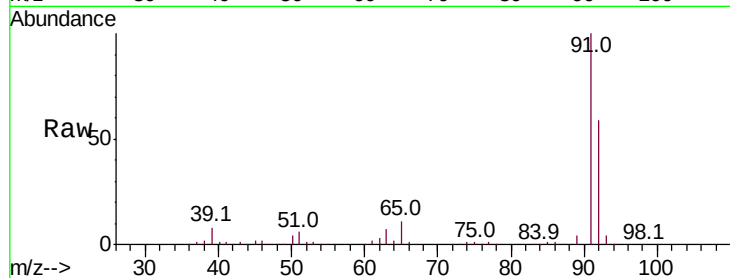
ClientSampleId :

Tot Ion: 91 Resp: 705635

Ion Ratio Lower Upper

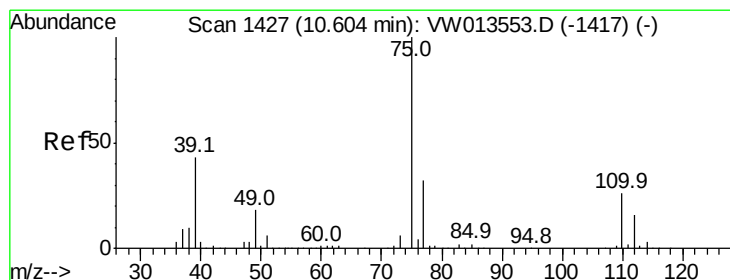
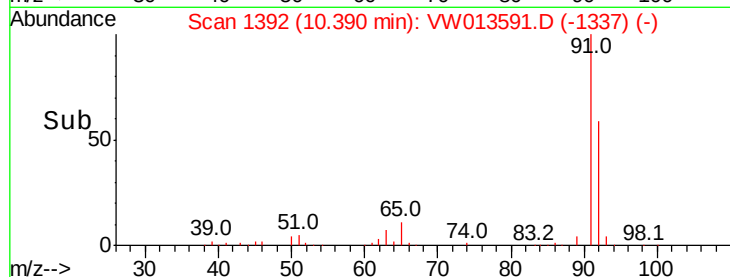
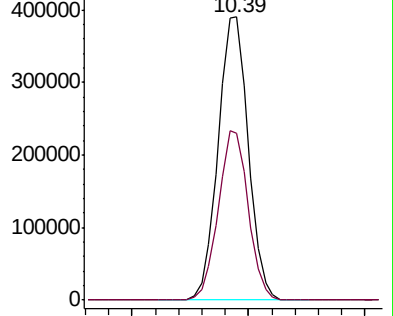
91 100

92 59.1 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 26.512 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013591.D

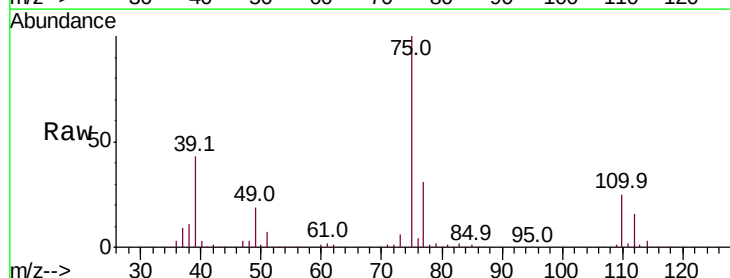
Acq: 16 Oct 2019 09:48

Tgt Ion: 75 Resp: 201578

Ion Ratio Lower Upper

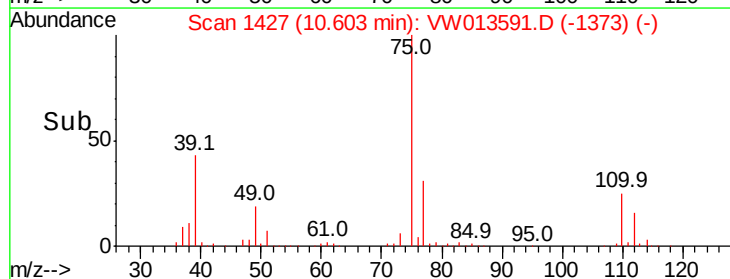
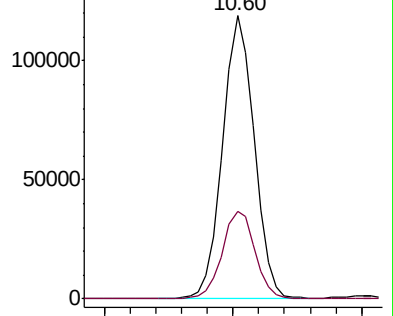
75 100

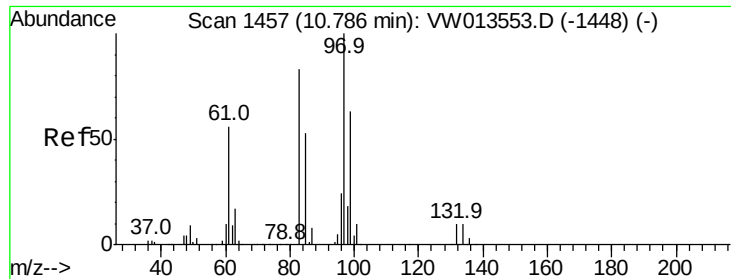
77 30.8 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 26.403 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 120297

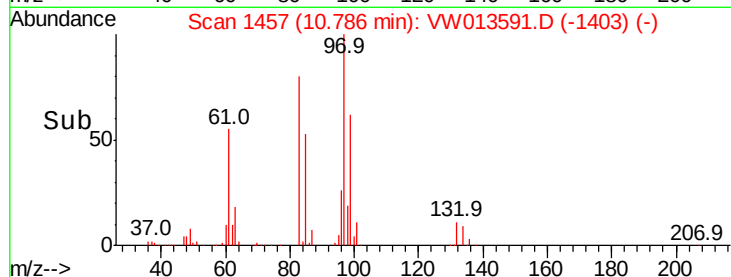
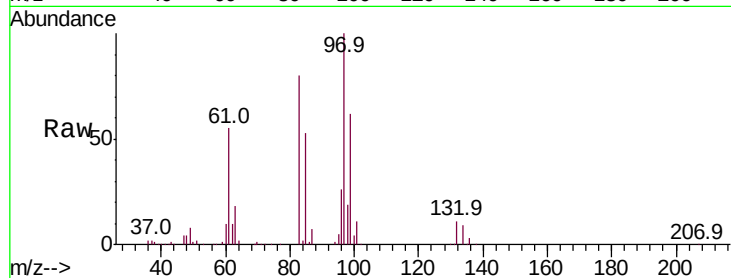
Ion	Ratio	Lower	Upper
97	100		
83	79.9	57.5	106.9
85	53.4	36.8	68.4
99	62.0	44.0	81.6

97 100

83 79.9 57.5 106.9

85 53.4 36.8 68.4

99 62.0 44.0 81.6

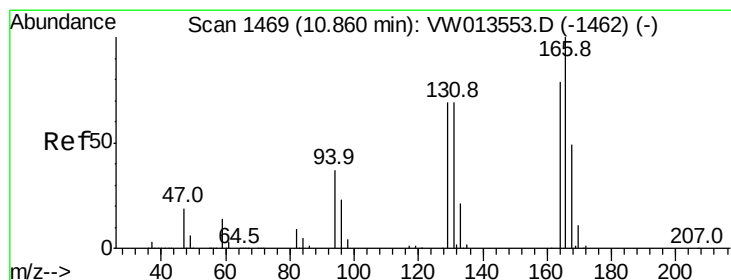
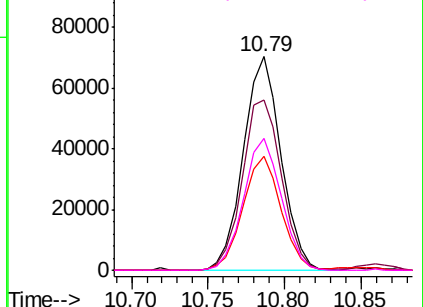


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.316 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Tgt Ion: 164 Resp: 155875

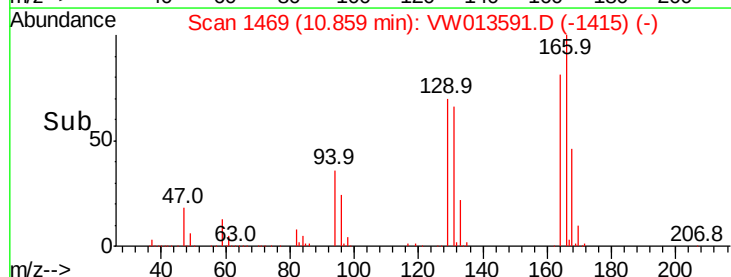
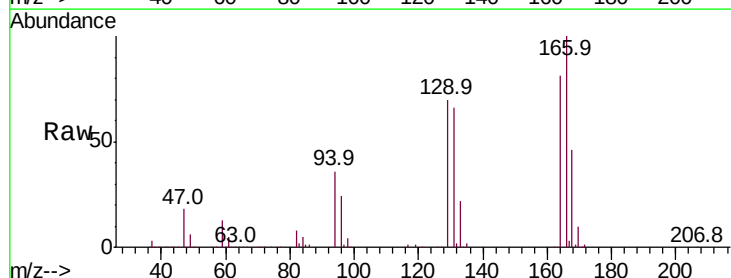
Ion	Ratio	Lower	Upper
164	100		
129	86.0	60.2	111.8
131	81.4	57.0	105.9
166	123.4	91.2	169.4

164 100

129 86.0 60.2 111.8

131 81.4 57.0 105.9

166 123.4 91.2 169.4

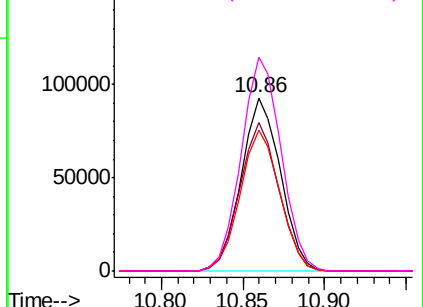


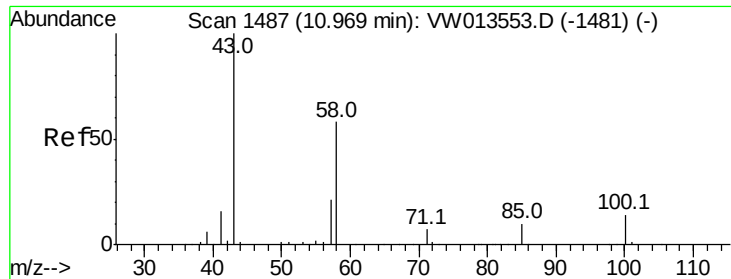
Abundance Ion 164.00 (163.70 to 164.70): V

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: 49.230 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 149840

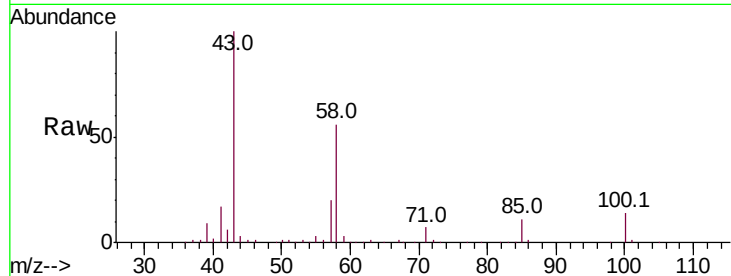
Ion Ratio Lower Upper

43 100

58 59.7 45.2 67.8

57 20.8 15.8 23.8

100 14.0 11.0 16.6

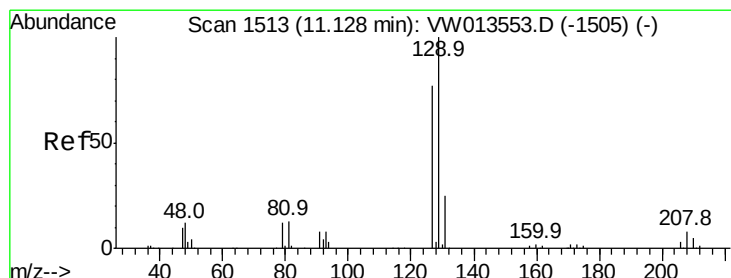
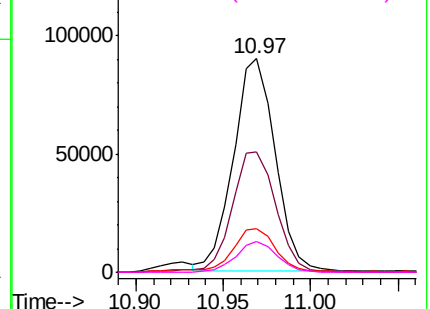
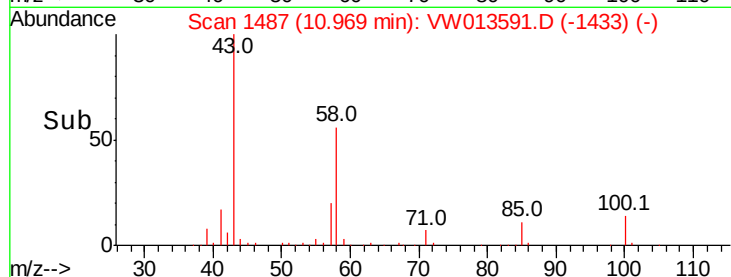


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.995 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013591.D

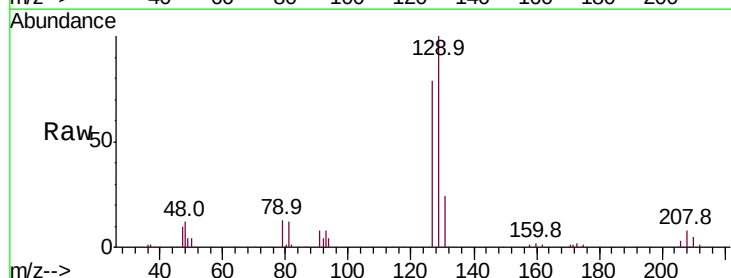
Acq: 16 Oct 2019 09:48

Tgt Ion: 129 Resp: 144814

Ion Ratio Lower Upper

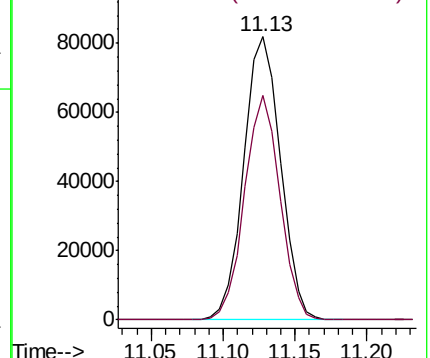
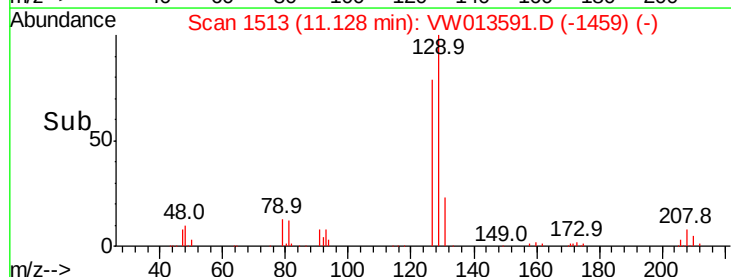
129 100

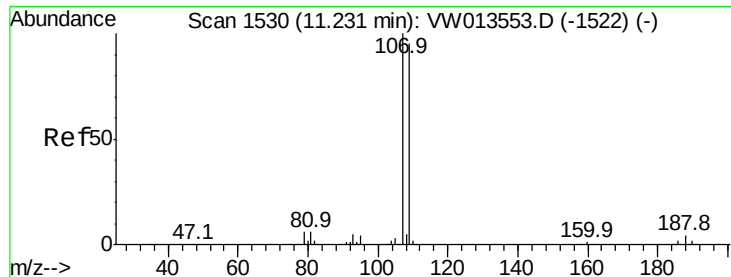
127 79.5 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

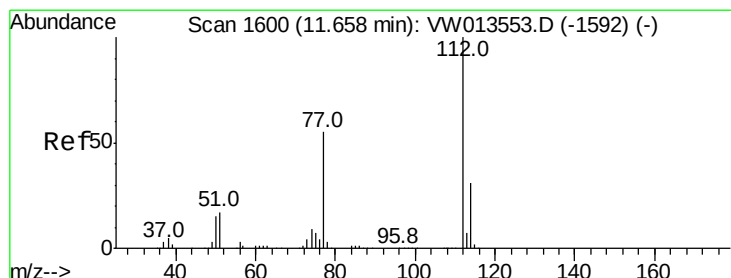
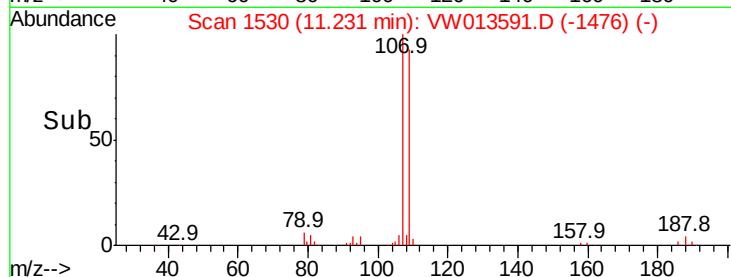
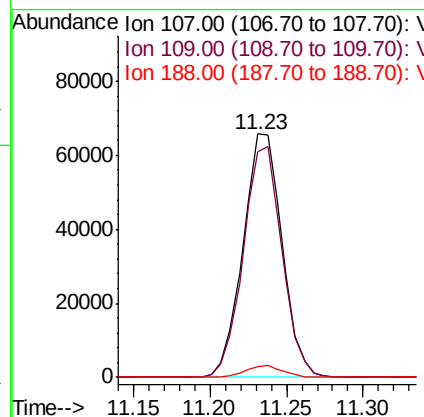
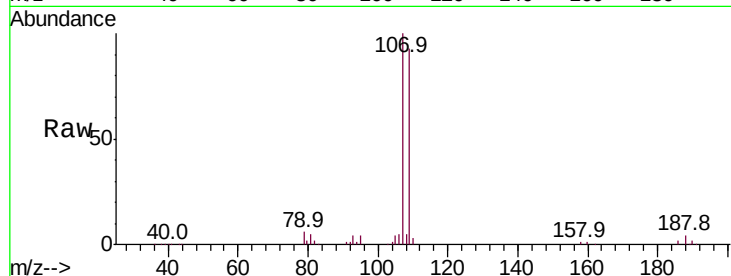




#51
1,2-Dibromoethane
Concen: 26.086 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

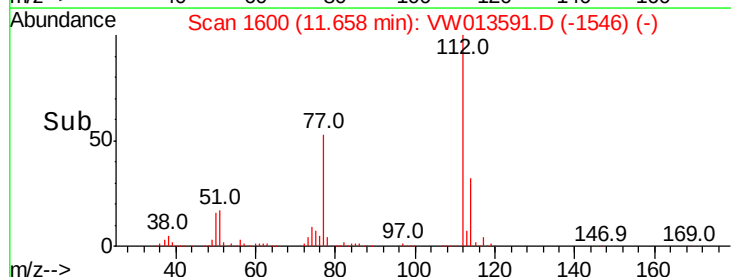
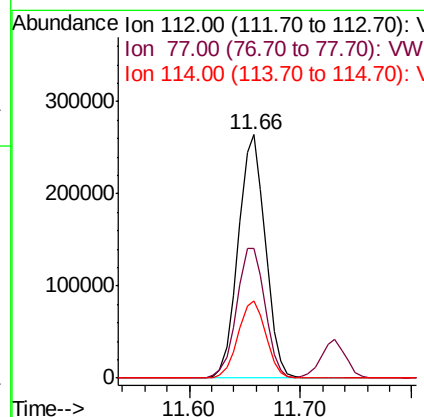
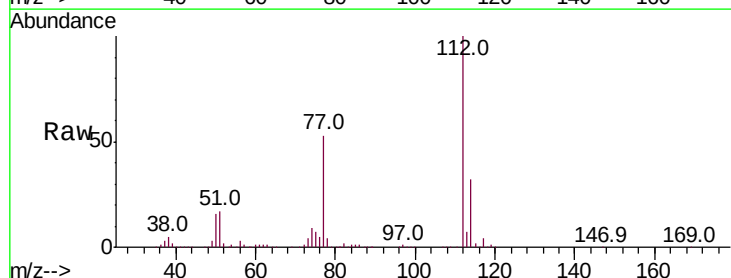
Instrument :
MSVOA_W
ClientSampleId :

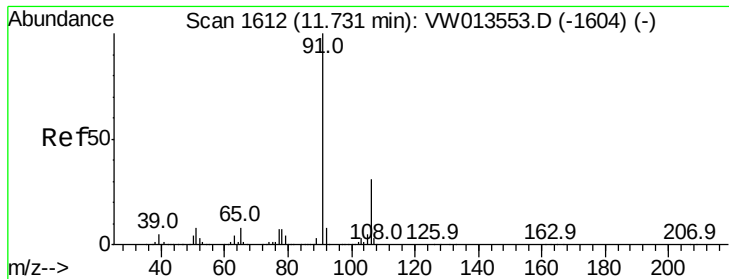
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	65.5	121.7
188	4.4	3.6	5.4



#52
Chlorobenzene
Concen: 25.896 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.1	44.5	66.7
114	31.7	22.7	42.3





#53

Ethylbenzene

Concen: 26.076 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

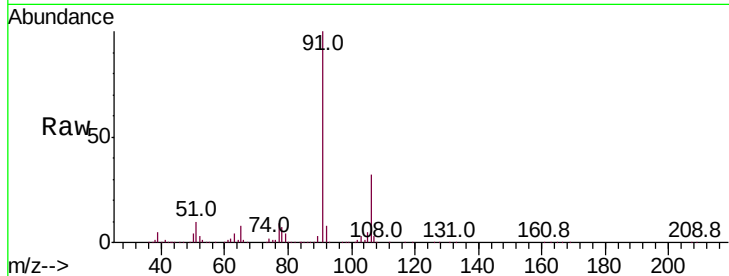
ClientSampleId :

Tot Ion: 91 Resp: 779371

Ion Ratio Lower Upper

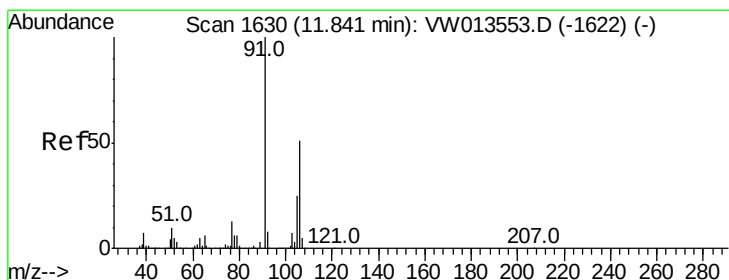
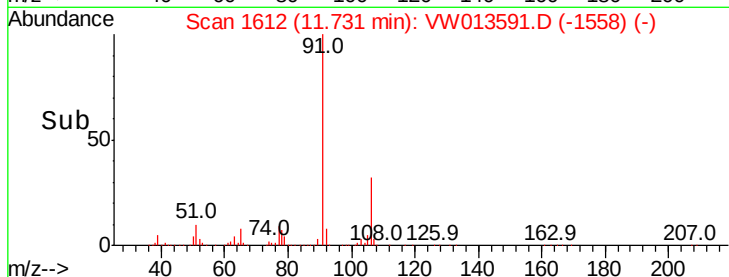
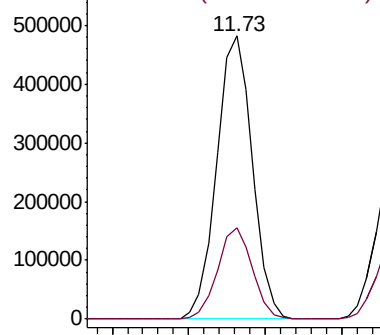
91 100

106 32.4 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.791 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013591.D

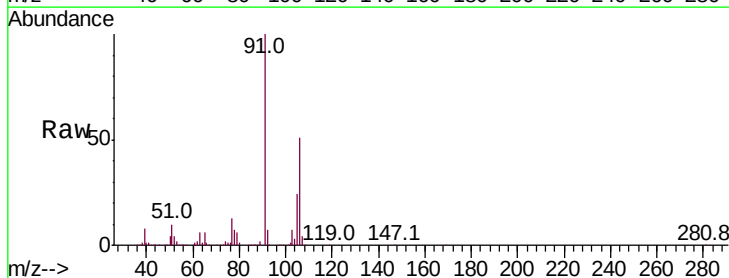
Acq: 16 Oct 2019 09:48

Tgt Ion: 106 Resp: 300716

Ion Ratio Lower Upper

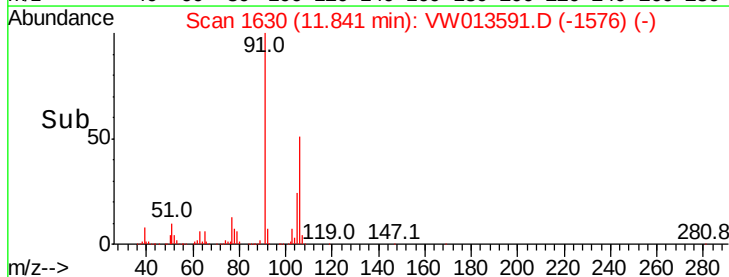
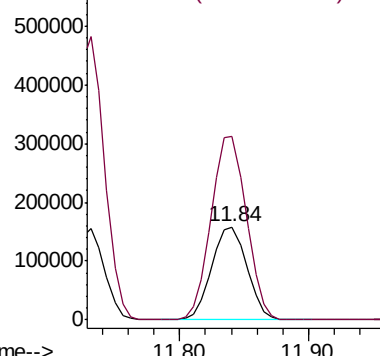
106 100

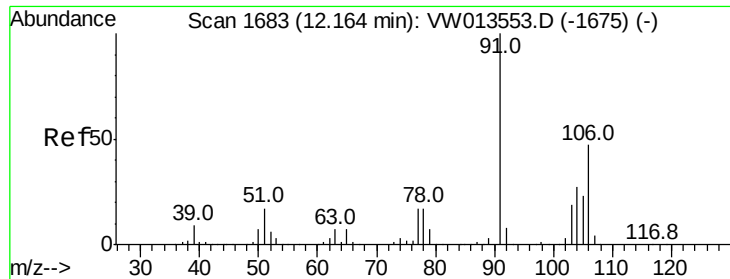
91 196.1 139.4 258.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

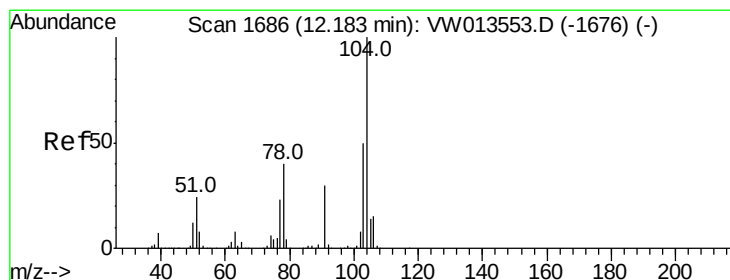
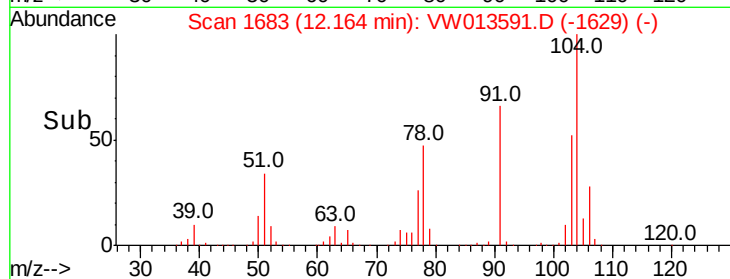
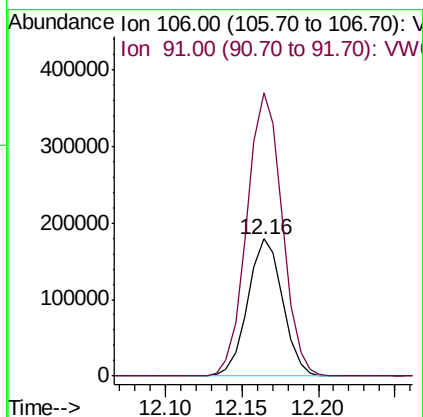
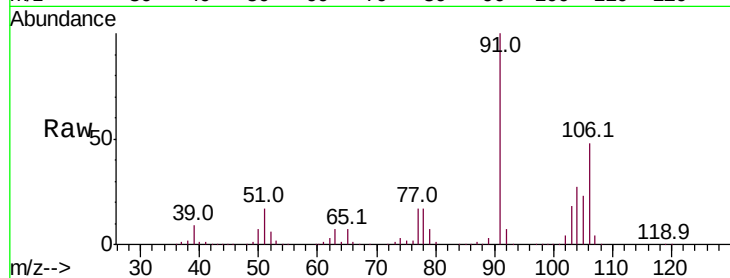




#55
o-xylene
Concen: 26.142 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

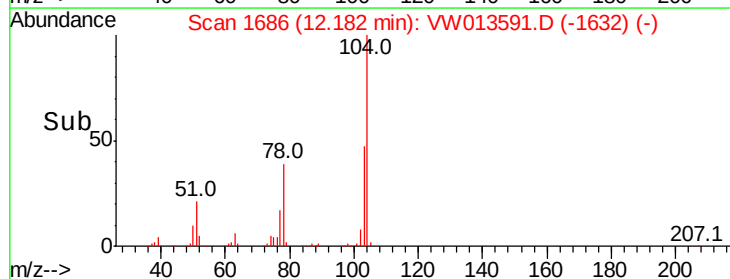
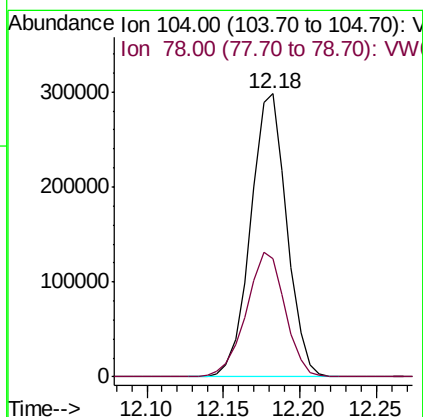
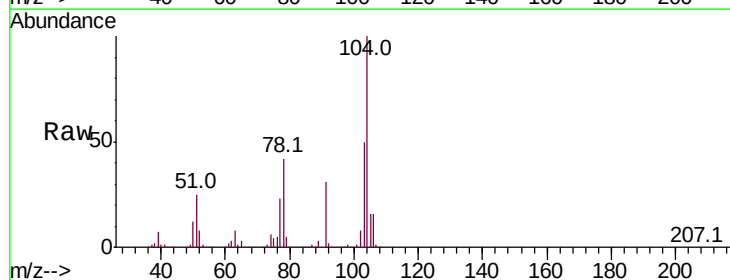
Instrument :
MSVOA_W
ClientSampled :

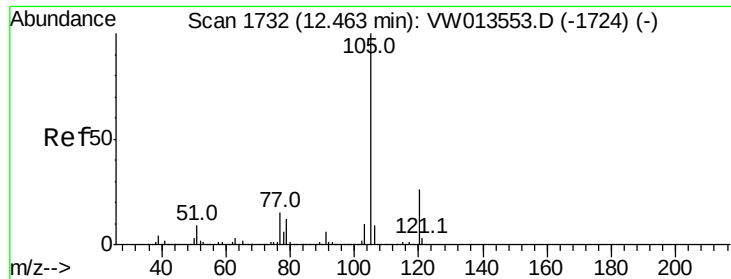
Tot Ion:106 Resp: 284523
Ion Ratio Lower Upper
106 100
91 206.5 148.4 275.6



#56
Styrene
Concen: 26.392 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013591.D
Acq: 16 Oct 2019 09:48

Tgt Ion:104 Resp: 489187
Ion Ratio Lower Upper
104 100
78 41.7 28.4 52.8





#57

Isopropylbenzene

Concen: 26.335 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

ClientSampleId :

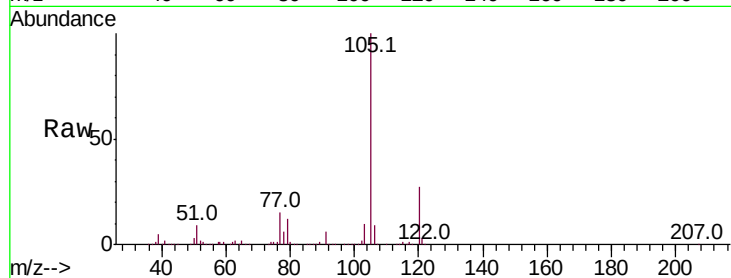
Tot Ion:105 Resp: 777543

Ion Ratio Lower Upper

105 100

120 26.6 21.7 32.5

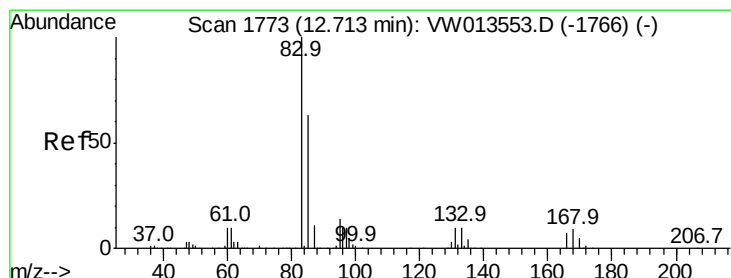
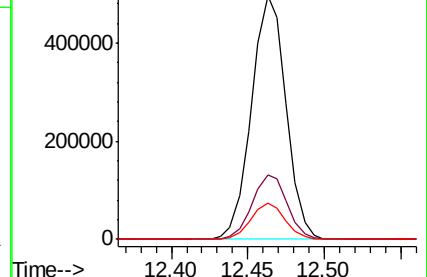
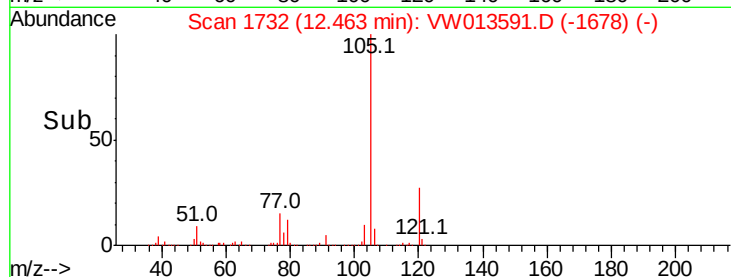
77 14.6 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.596 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

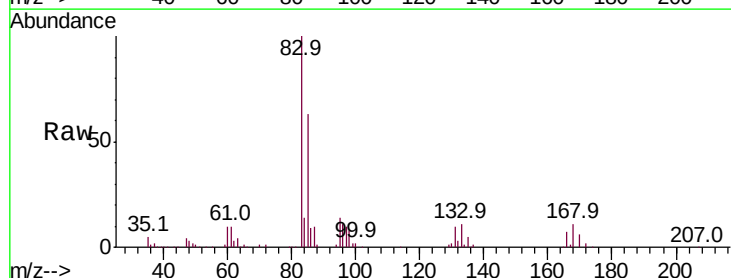
Tgt Ion: 83 Resp: 143166

Ion Ratio Lower Upper

83 100

85 63.4 44.7 83.1

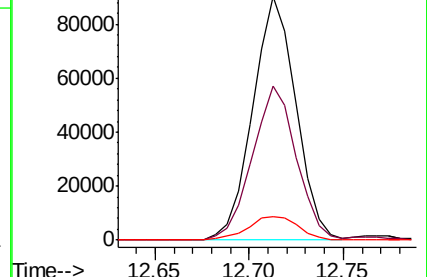
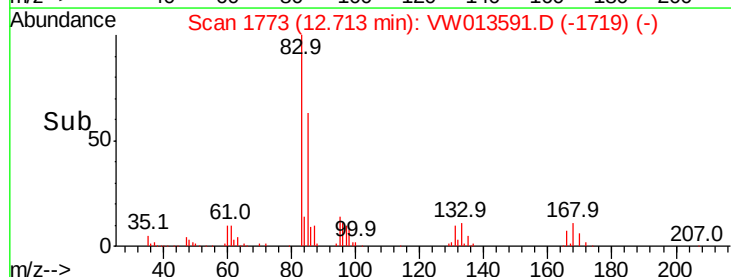
131 9.8 7.8 11.6

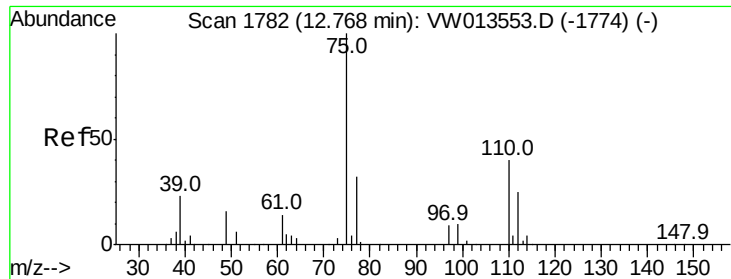


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

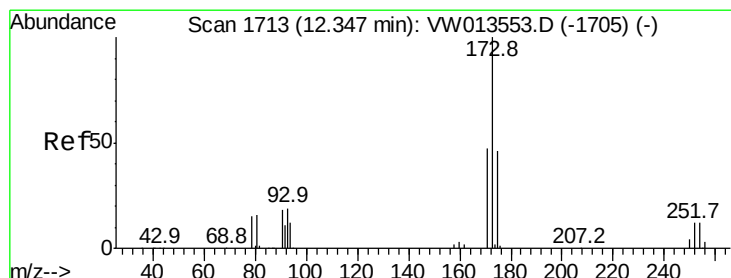
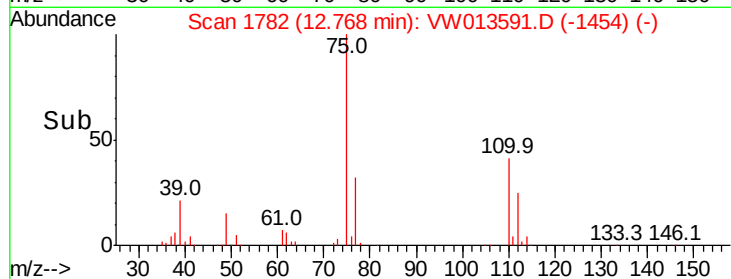
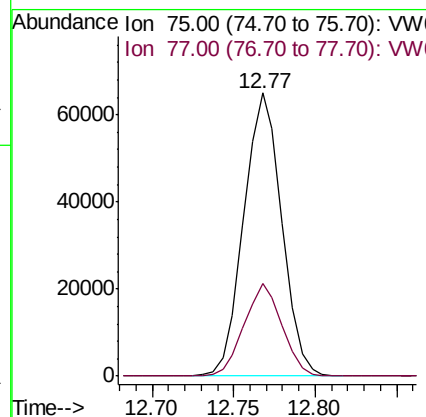
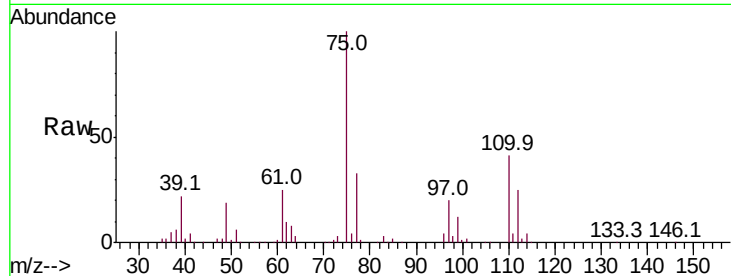




#59
 1,2,3-Trichloropropane
 Concen: 26.166 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013591.D
 Acq: 16 Oct 2019 09:48

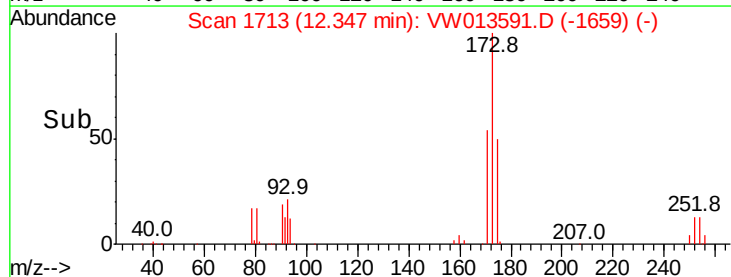
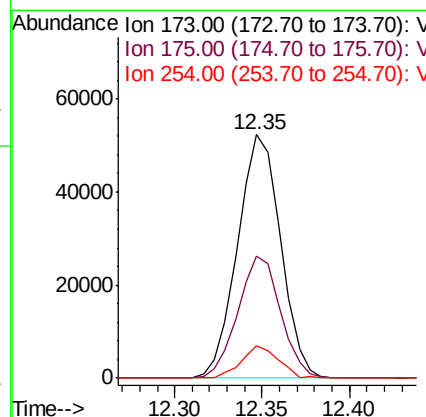
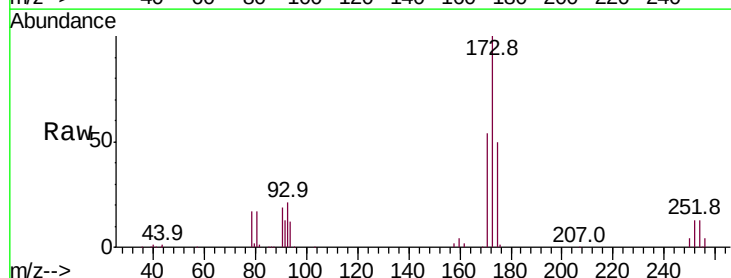
Instrument :
 MSVOA_W
 ClientSampleId :

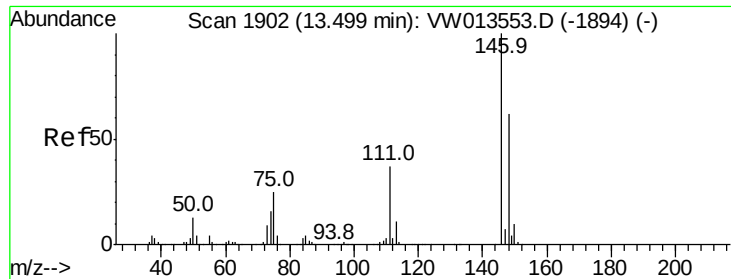
Tot Ion: 75 Resp: 105177
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.5 38.3



#62
 Bromoform
 Concen: 26.555 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013591.D
 Acq: 16 Oct 2019 09:48

Tgt Ion: 173 Resp: 89457
 Ion Ratio Lower Upper
 173 100
 175 49.8 39.0 58.6
 254 11.3 10.1 15.1

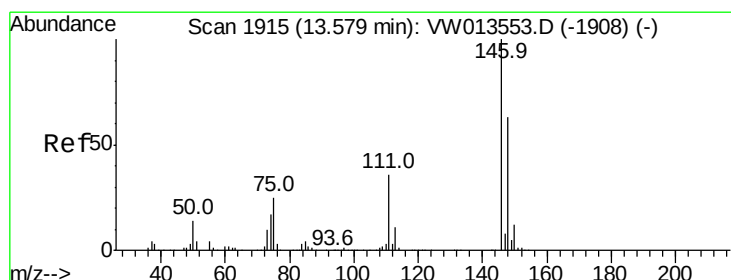
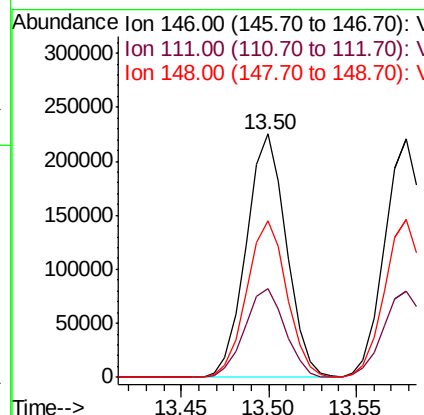
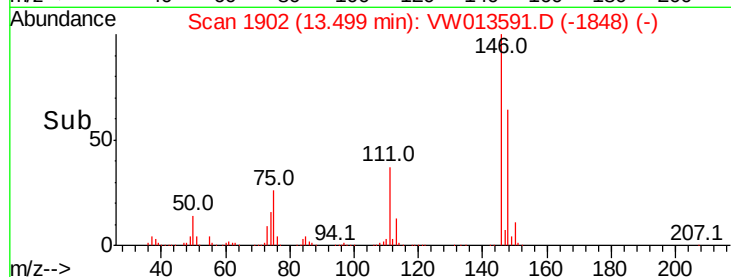
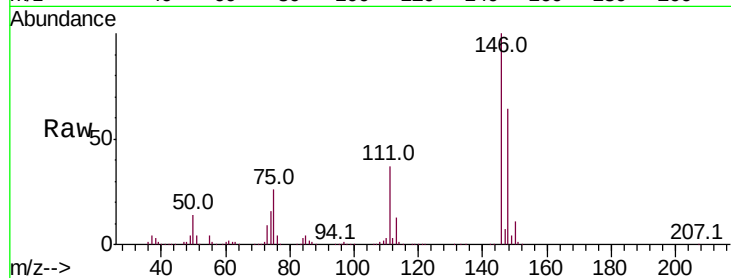




#63
 1,3-Dichlorobenzene
 Concen: 25.589 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013591.D
 Acq: 16 Oct 2019 09:48

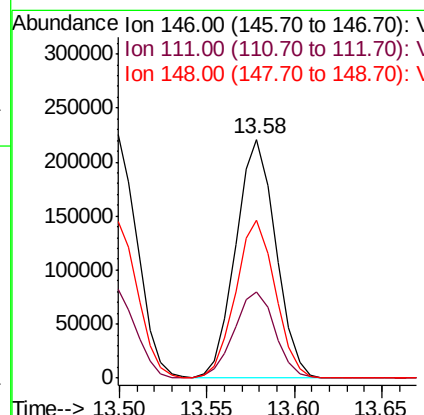
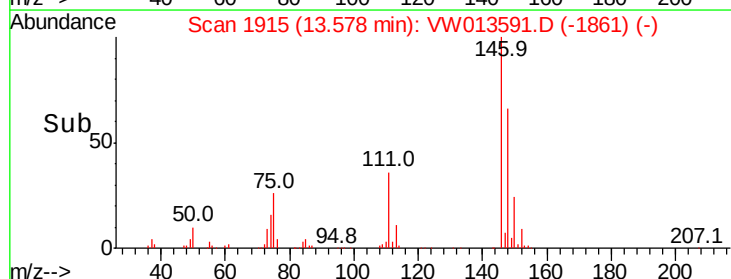
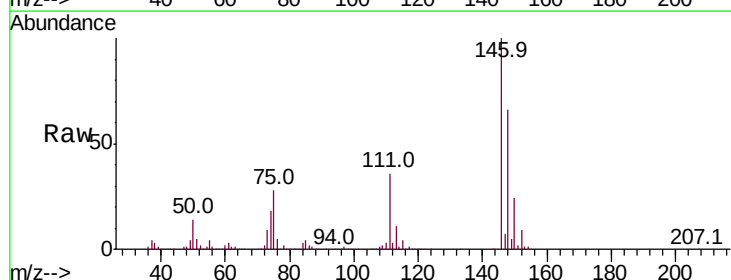
Instrument :
 MSVOA_W
 ClientSampleId :

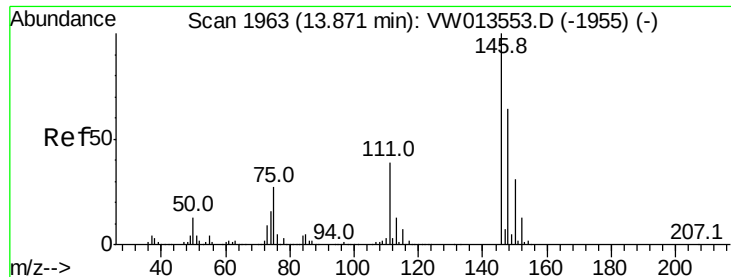
Tot Ion:146 Resp: 359143
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.3 46.9
 148 64.2 42.8 79.4



#64
 1,4-Dichlorobenzene
 Concen: 25.259 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013591.D
 Acq: 16 Oct 2019 09:48

Tgt Ion:146 Resp: 352894
 Ion Ratio Lower Upper
 146 100
 111 36.1 25.8 47.8
 148 66.3 43.7 81.1





#65

1,2-Dichlorobenzene

Concen: 25.589 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013591.D

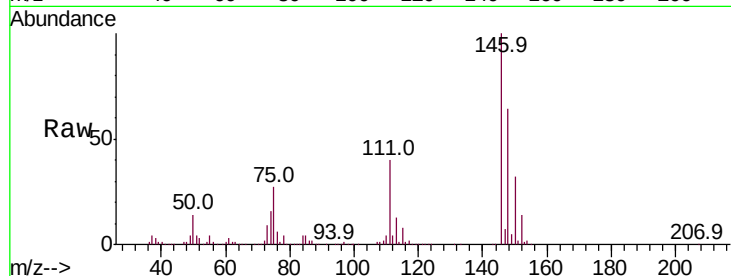
Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	322919
Ion	Ratio	Lower	Upper
146	100		
111	40.0	31.0	46.4
148	64.2	50.3	75.5

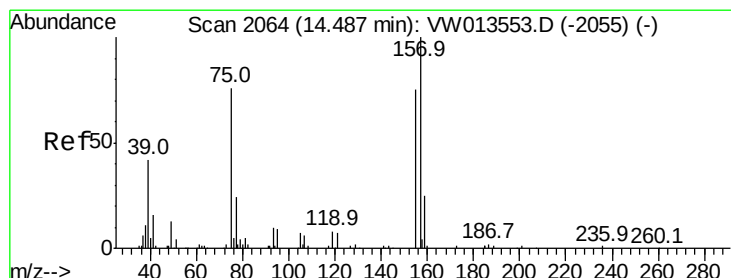
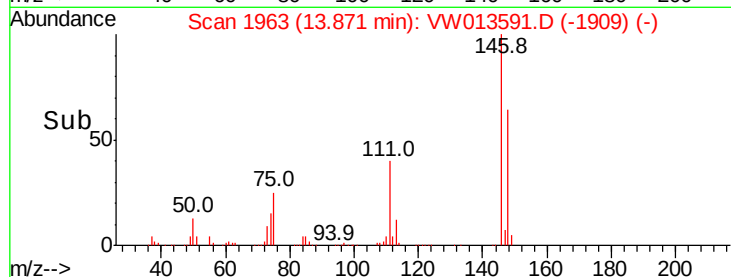
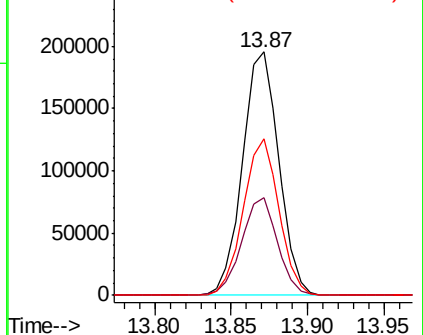


Abundance

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: 24.764 ug/L

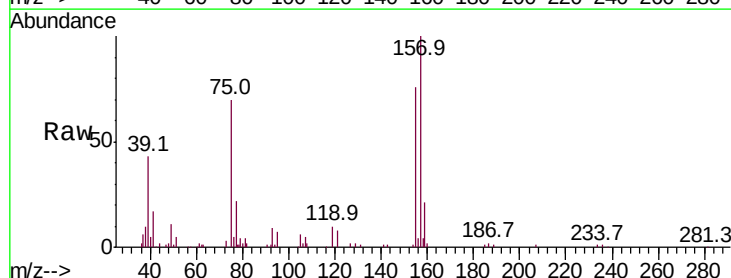
RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Tgt Ion:	75	Resp:	21574
Ion	Ratio	Lower	Upper
75	100		
157	143.1	102.0	153.0
155	108.8	77.6	116.4

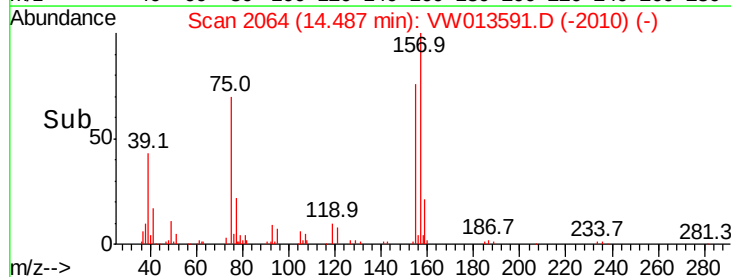
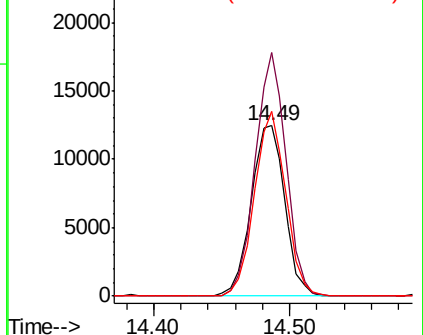


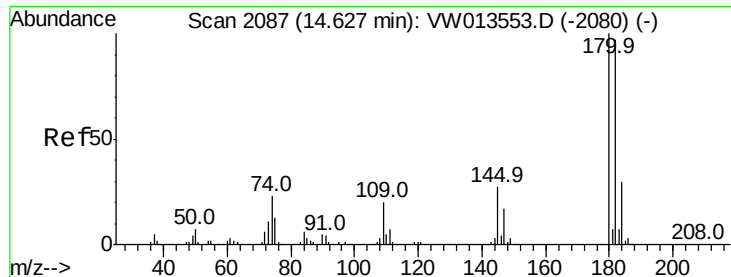
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 25.000 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:180 Resp: 264830

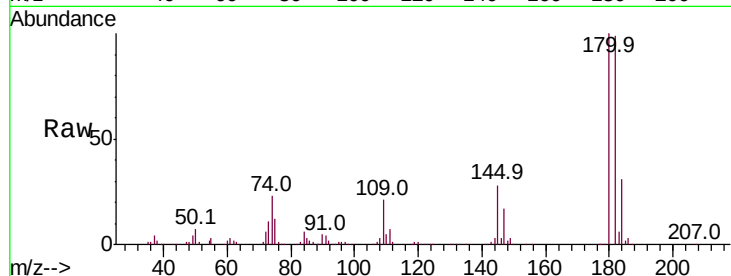
Ion Ratio Lower Upper

180 100

182 97.4 77.0 115.4

184 30.9 24.7 37.1

145 27.6 22.2 33.2

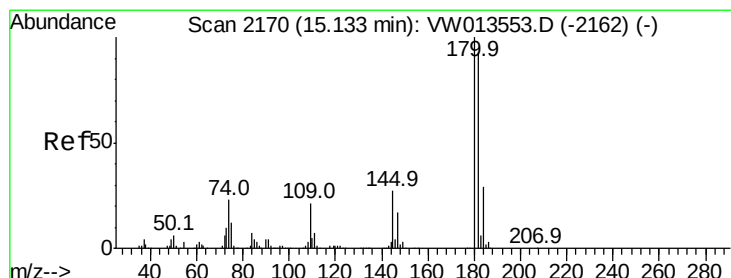
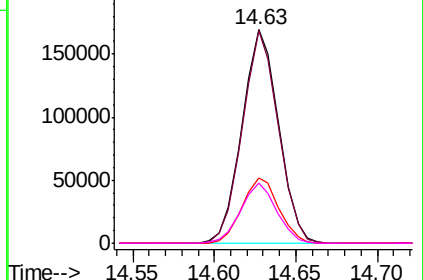
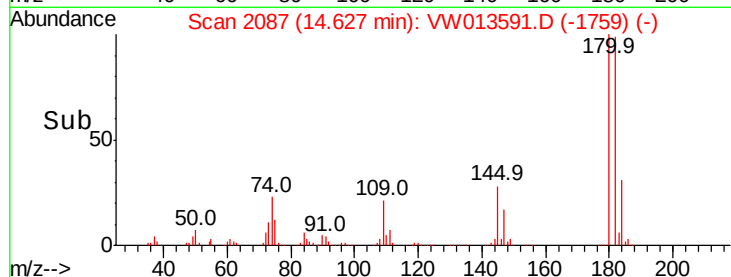


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 25.144 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

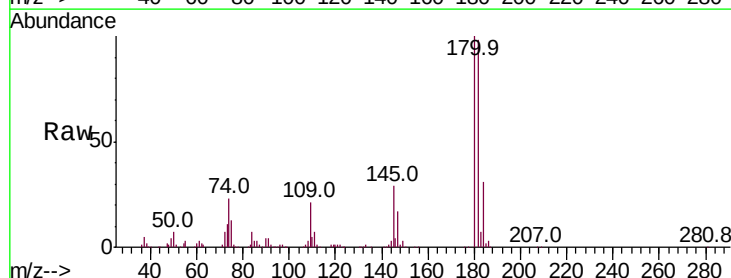
Tgt Ion:180 Resp: 220769

Ion Ratio Lower Upper

180 100

182 95.8 78.2 117.2

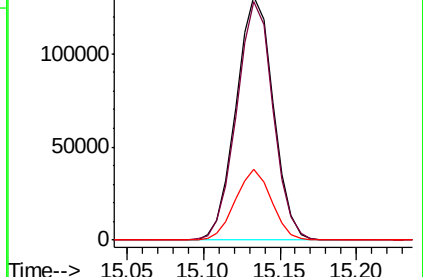
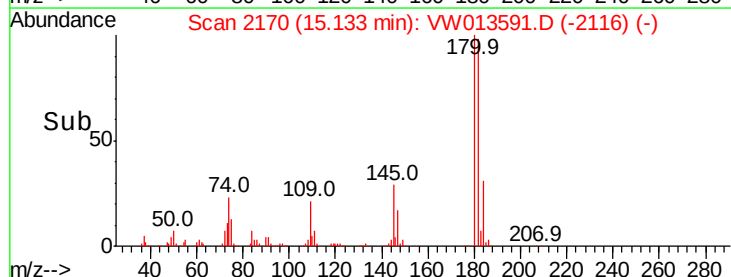
145 28.2 22.8 34.2

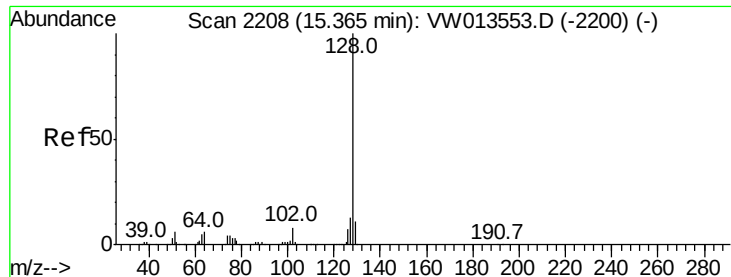


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.375 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

Instrument :

MSVOA_W

ClientSampleId :

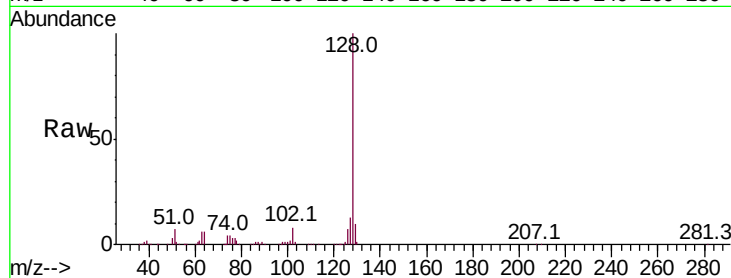
Tot Ion:128 Resp: 405802

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

127 13.0 10.4 15.6

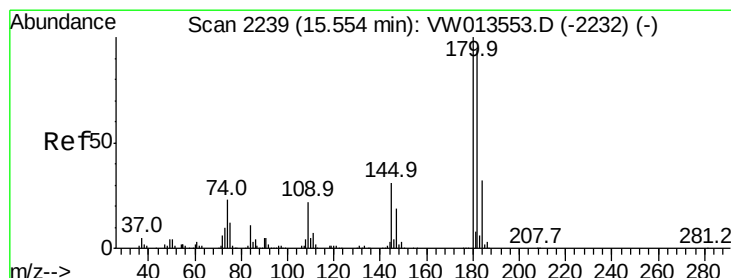
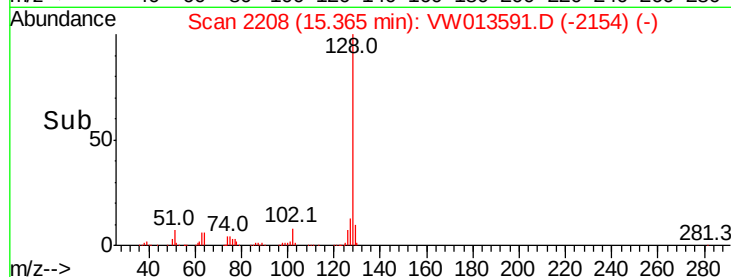
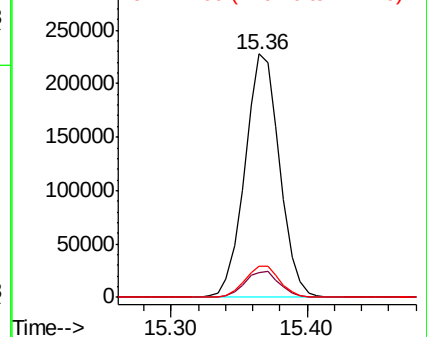


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.022 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013591.D

Acq: 16 Oct 2019 09:48

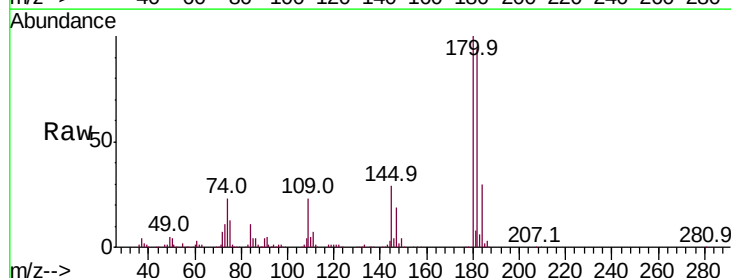
Tgt Ion:180 Resp: 195633

Ion Ratio Lower Upper

180 100

182 95.3 76.0 114.0

145 29.2 23.1 34.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

