

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110119\
 Data File : VW013895.D
 Acq On : 01 Nov 2019 13:00
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 02 00:16:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 00:12:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	304587	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	298053	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	182409	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	113489	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
7) Chloroethane-d5	2.89	69	93677	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.96%
10) 1,1-Dichloroethene-d2	4.03	63	235020	24.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.36%
20) 2-Butanone-d5	7.07	46	88058	51.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.26%
24) Chloroform-d	7.65	84	235341	24.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.08%
26) 1,2-Dichloroethane-d4	8.31	65	127271	24.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.56%
29) Benzene-d6	8.27	84	497105	24.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.60%
33) 1,2-Dichloropropane-d6	9.27	67	148846	24.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.52%
37) Toluene-d8	10.32	98	476024	25.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.52%
38) trans-1,3-Dichloropropene-	10.57	79	67888	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.40%
39) 2-Hexanone-d5	10.92	63	73713	53.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	136248	25.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	179876	24.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	87679	26.782	ug/L 99
3) Chloromethane	2.21	50	91369	24.335	ug/L 99
5) Vinyl chloride	2.37	62	133142	24.828	ug/L 97
6) Bromomethane	2.78	94	84869	25.160	ug/L 100
8) Chloroethane	2.92	64	78601	25.818	ug/L 95
9) Trichlorofluoromethane	3.26	101	64469	23.600	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	131958	25.170	ug/L 98
12) 1,1-Dichloroethene	4.04	96	132048	25.120	ug/L 87
13) Acetone	4.11	43	71835	43.249	ug/L 98
14) Carbon disulfide	4.39	76	391957	26.089	ug/L 98
15) Methyl Acetate	4.66	43	75178	26.139	ug/L 100
16) Methylene chloride	4.92	84	137710	24.181	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	177507	26.694	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	136673	24.948	ug/L 99
19) 1,1-Dichloroethane	6.21	63	235619	25.332	ug/L 97
21) 2-Butanone	7.17	43	105120	46.107	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	148447	25.767	ug/L 96

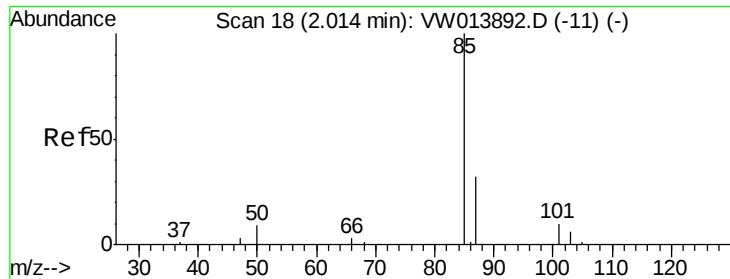
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110119\
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 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 00:12:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68999	25.471	uq/L	98
25) Chloroform	7.67	83	231444	24.749	uq/L	99
27) 1,2-Dichloroethane	8.40	62	158153	25.570	uq/L	99
30) Cyclohexane	7.95	56	231021	25.685	uq/L	99
31) 1,1,1-Trichloroethane	7.87	97	182600	25.018	uq/L	100
32) Carbon tetrachloride	8.07	117	182736	25.603	uq/L	98
34) Benzene	8.32	78	549757	25.406	uq/L	100
35) Trichloroethene	9.09	95	142218	24.933	uq/L	99
36) Methylcyclohexane	9.33	83	253206	25.290	uq/L	98
40) 1,2-Dichloropropane	9.37	63	134177	25.264	uq/L	100
41) Bromodichloromethane	9.64	83	171029	25.616	uq/L	96
42) cis-1,3-Dichloropropene	10.07	75	216914	25.916	uq/L	99
43) 4-Methyl-2-pentanone	10.21	43	211098	51.682	uq/L	99
44) Toluene	10.38	91	597579	25.700	uq/L	99
45) trans-1,3-Dichloropropene	10.60	75	178102	25.752	uq/L	98
46) 1,1,2-Trichloroethane	10.79	97	106342	25.075	uq/L	95
47) Tetrachloroethene	10.86	164	129042	24.572	uq/L	97
49) 2-Hexanone	10.97	43	153974	51.313	uq/L	99
50) Dibromochloromethane	11.13	129	128668	26.136	uq/L	93
51) 1,2-Dibromoethane	11.23	107	108695	25.926	uq/L	100
52) Chlorobenzene	11.66	112	379955	25.338	uq/L	99
53) Ethylbenzene	11.73	91	662876	25.610	uq/L	99
54) m,p-Xylene	11.84	106	258287	25.894	uq/L	95
55) o-xylene	12.16	106	246679	26.163	uq/L	99
56) Styrene	12.18	104	422761	25.983	uq/L	100
57) Isopropylbenzene	12.46	105	654474	25.742	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	135289	25.330	uq/L	98
59) 1,2,3-Trichloropropane	12.77	75	101981	25.431	uq/L	100
62) Bromoform	12.35	173	83615	25.212	uq/L	99
63) 1,3-Dichlorobenzene	13.50	146	318878	25.244	uq/L	97
64) 1,4-Dichlorobenzene	13.58	146	320241	25.290	uq/L	99
65) 1,2-Dichlorobenzene	13.87	146	295212	25.846	uq/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	23775	25.984	uq/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	253575	26.652	uq/L	100
68) 1,2,4-trichlorobenzene	15.13	180	209914	27.253	uq/L	98
69) Naphthalene	15.36	128	426204	29.166	uq/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	192988	27.189	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 26.782 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

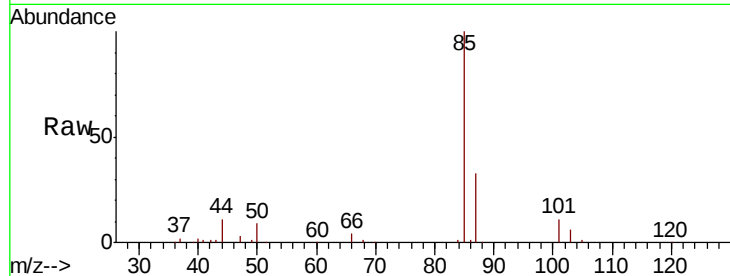
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 87679

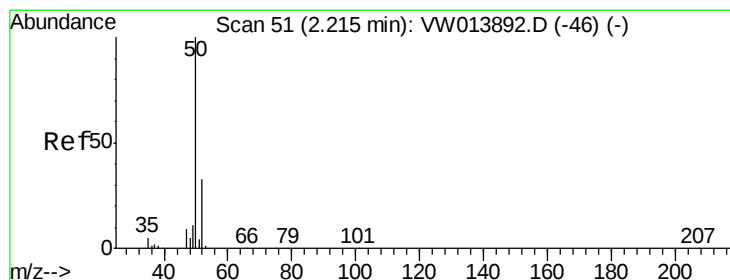
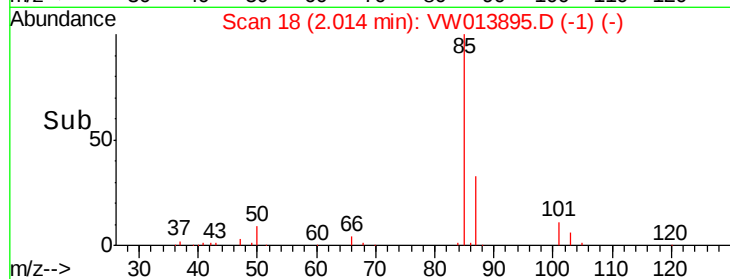
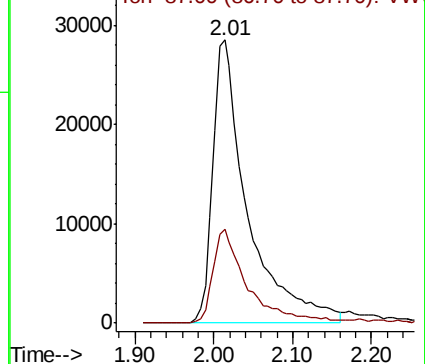
Ion Ratio Lower Upper

85 100

87 30.3 21.6 40.2



Abundance Ion 85.00 (84.70 to 85.70): VW
Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.335 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013895.D

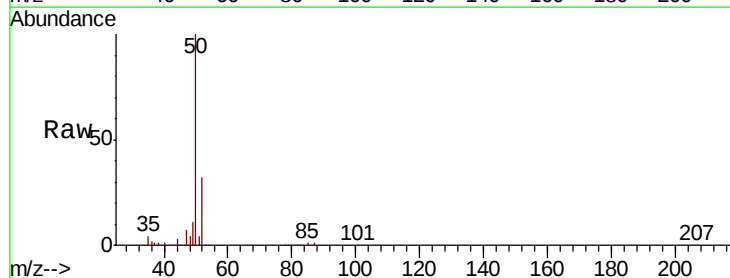
Acq: 01 Nov 2019 13:00

Tgt Ion: 50 Resp: 91369

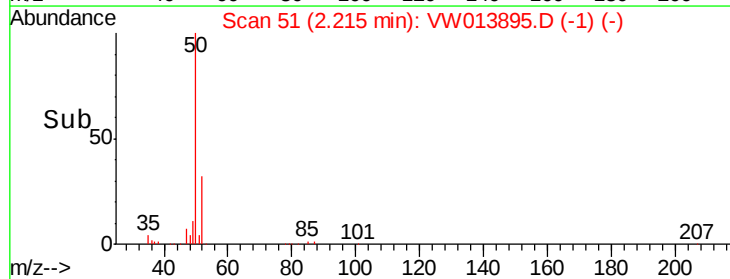
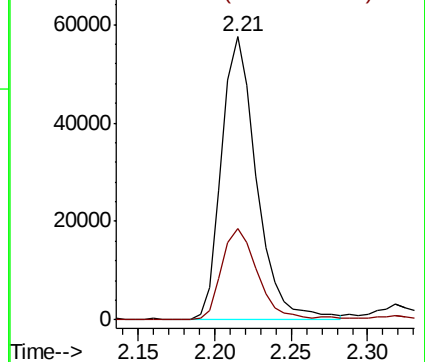
Ion Ratio Lower Upper

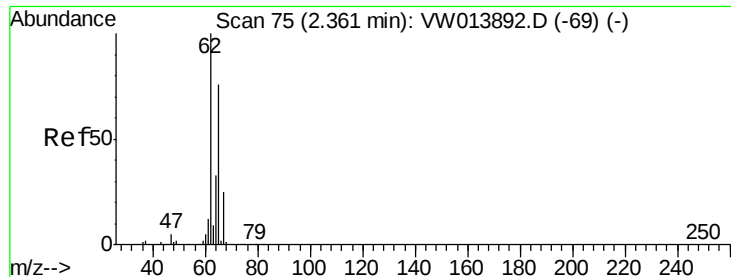
50 100

52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VW
Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.828 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

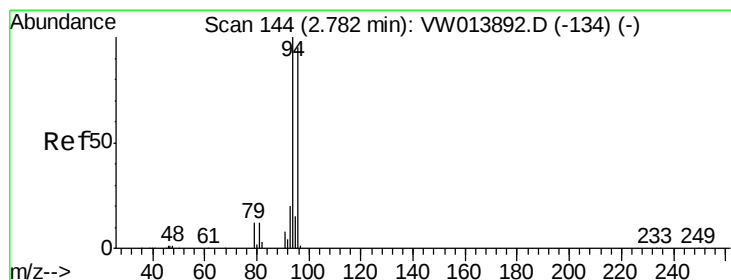
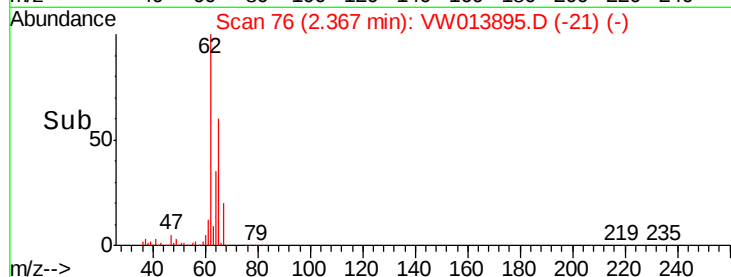
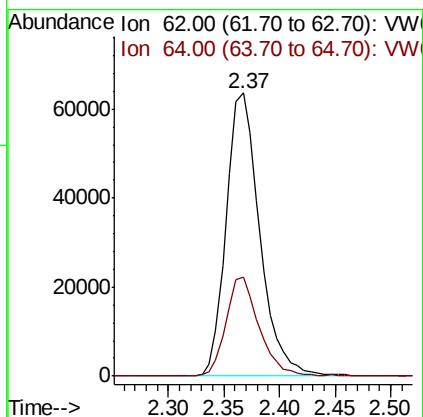
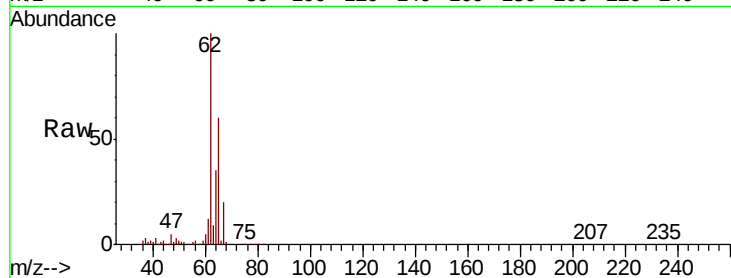
ClientSampleId :

Tot Ion: 62 Resp: 133142

Ion Ratio Lower Upper

62 100

64 34.8 23.3 43.3



#6

Bromomethane

Concen: 25.160 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013895.D

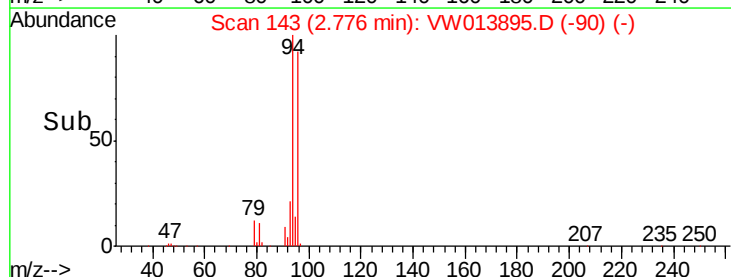
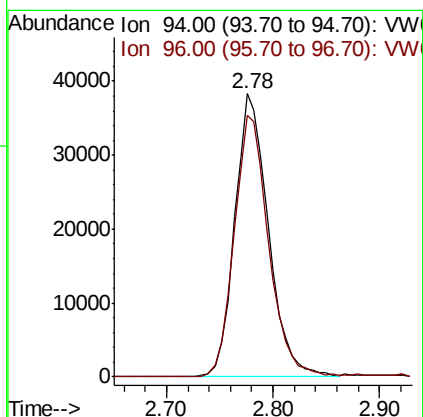
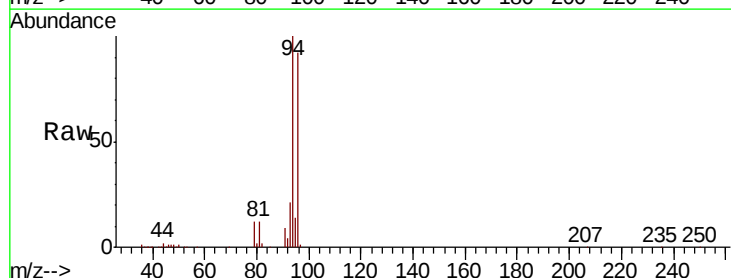
Acq: 01 Nov 2019 13:00

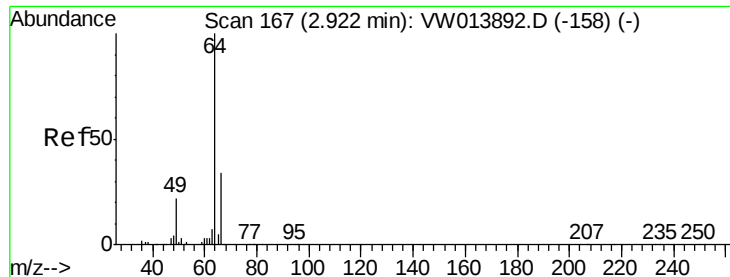
Tgt Ion: 94 Resp: 84869

Ion Ratio Lower Upper

94 100

96 94.2 9.5 179.7

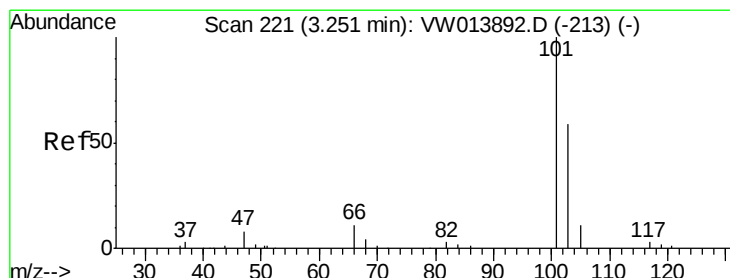
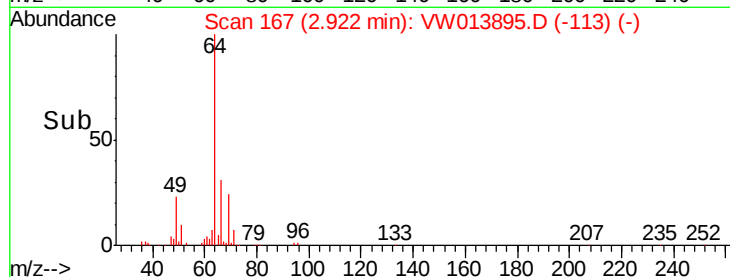
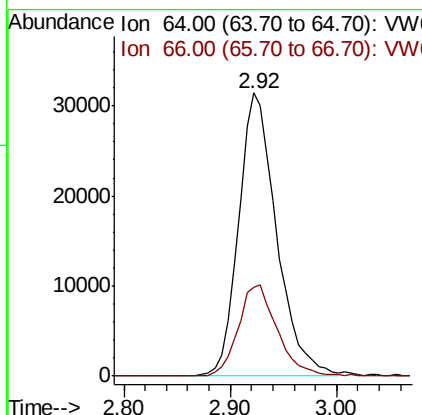
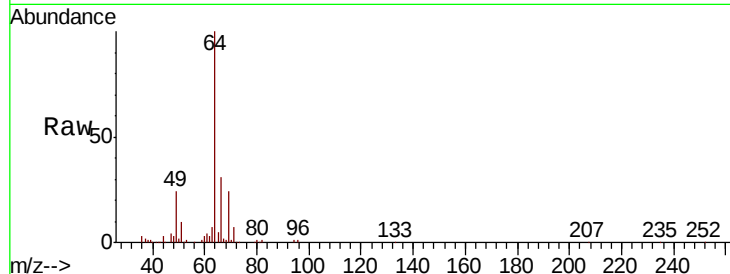




#8
Chloroethane
Concen: 25.818 ug/L
RT: 2.92 min Scan# 167
Delta R.T. 0.00 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

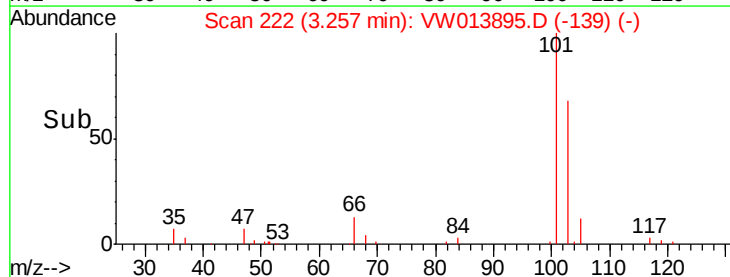
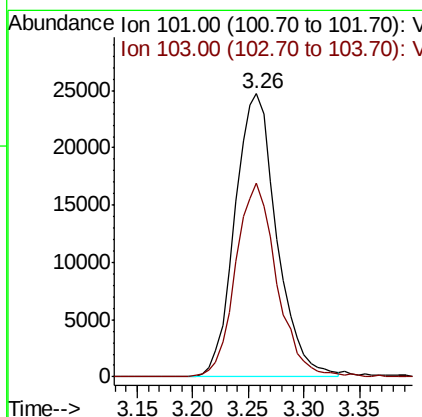
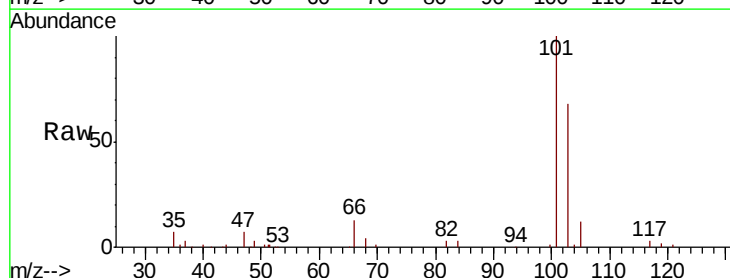
Instrument :
MSVOA_W
ClientSampleId :

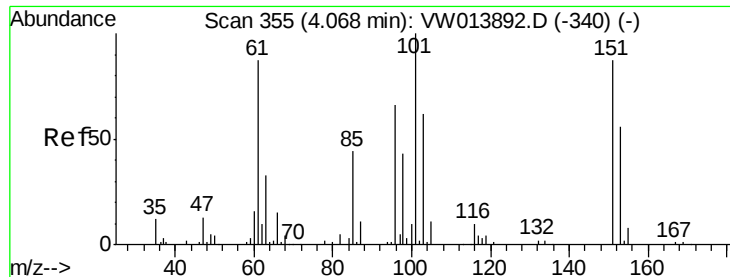
Tot Ion: 64 Resp: 78601
Ion Ratio Lower Upper
64 100
66 31.4 24.1 44.7



#9
Trichlorofluoromethane
Concen: 23.600 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

Tgt Ion: 101 Resp: 64469
Ion Ratio Lower Upper
101 100
103 67.1 44.9 83.3





#11

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

Concen: 25.170 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

ClientSampled :

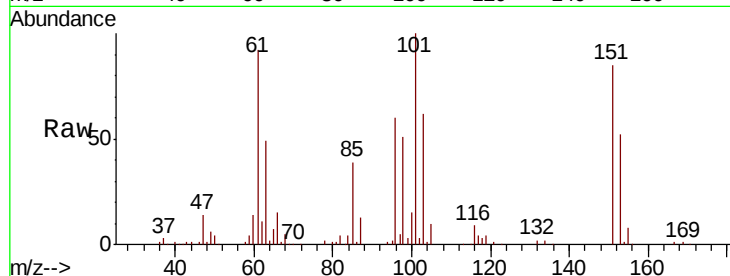
Tot Ion:101 Resp: 131958

Ion Ratio Lower Upper

101 100

85 39.8 30.9 46.3

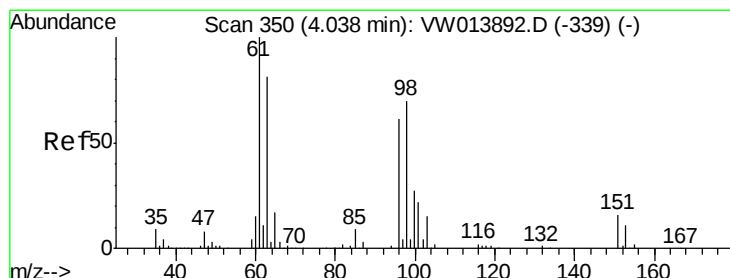
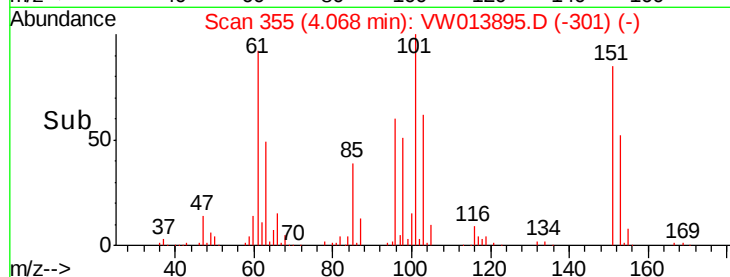
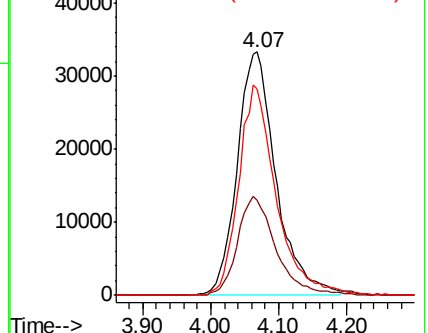
151 81.6 66.3 99.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.120 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

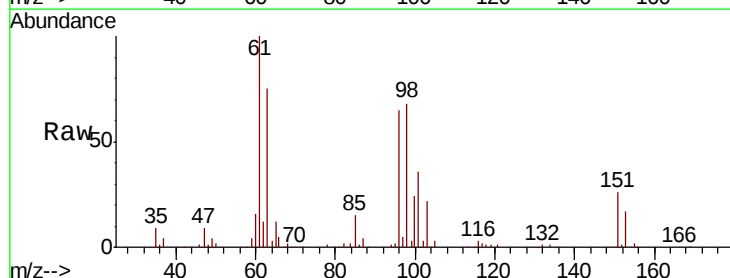
Tgt Ion: 96 Resp: 132048

Ion Ratio Lower Upper

96 100

61 153.8 115.1 213.8

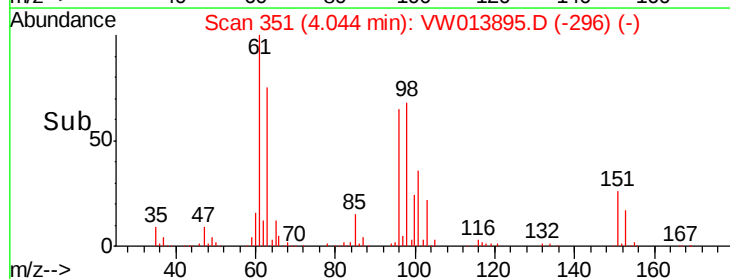
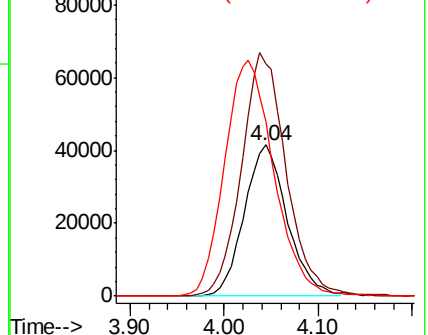
63 115.6 97.4 180.8

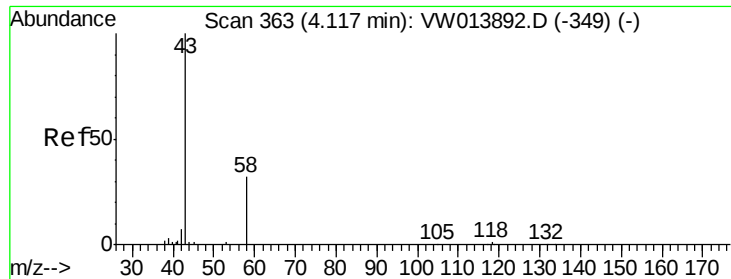


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.249 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

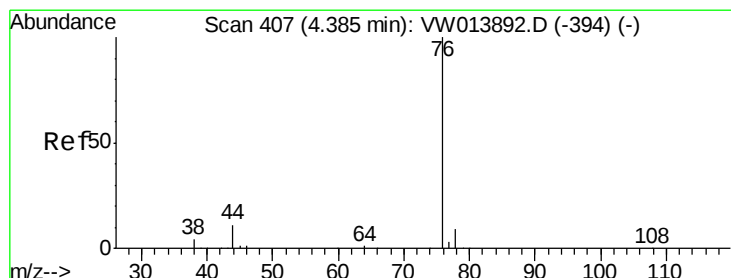
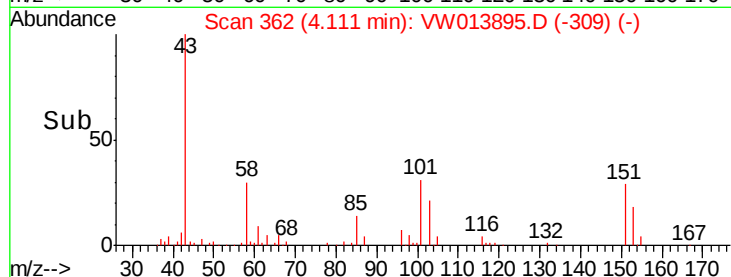
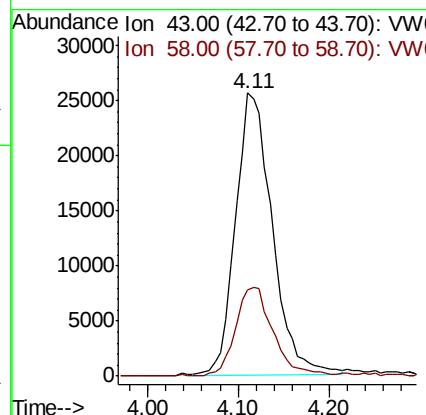
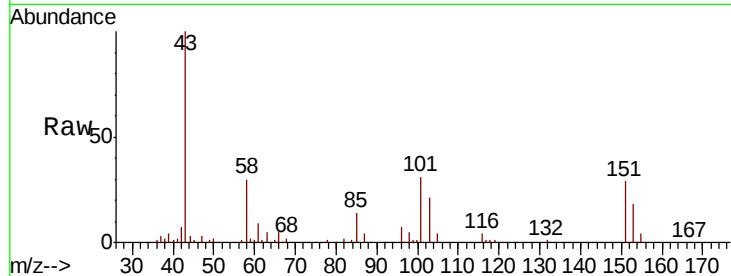
ClientSampleId :

Tot Ion: 43 Resp: 71835

Ion Ratio Lower Upper

43 100

58 32.3 0.0 62.8



#14

Carbon disulfide

Concen: 26.089 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013895.D

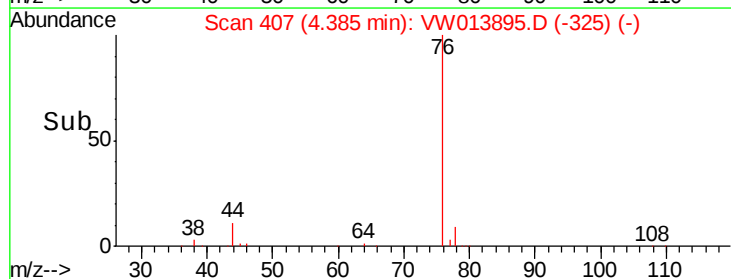
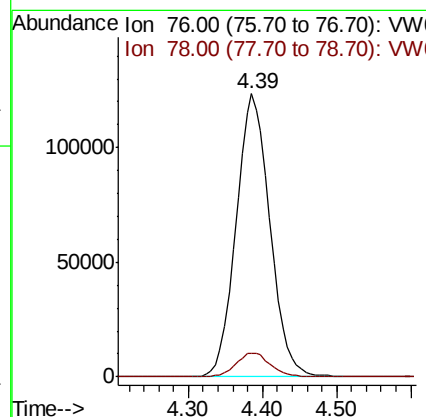
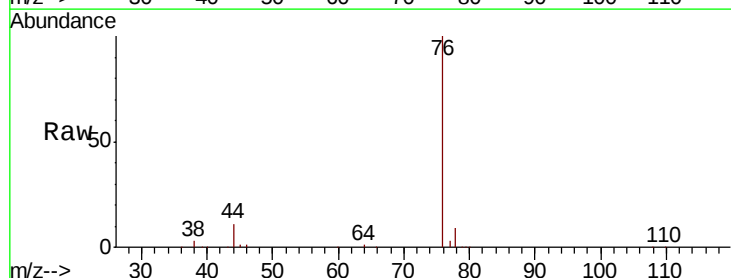
Acq: 01 Nov 2019 13:00

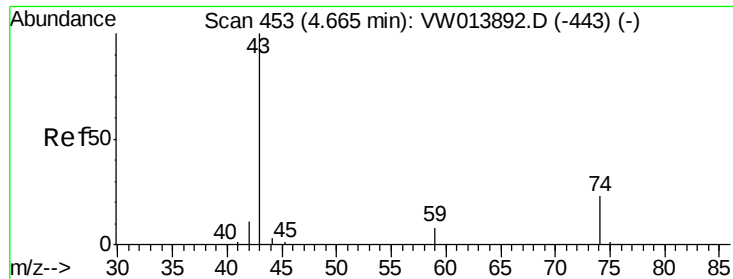
Tgt Ion: 76 Resp: 391957

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9

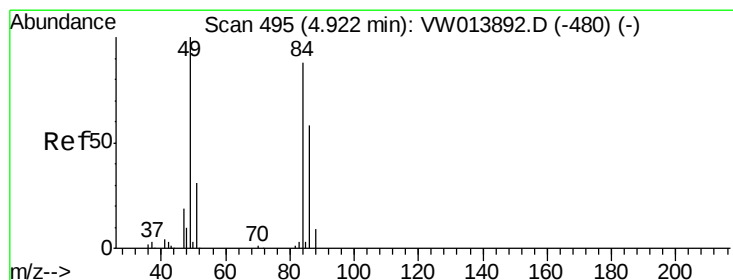
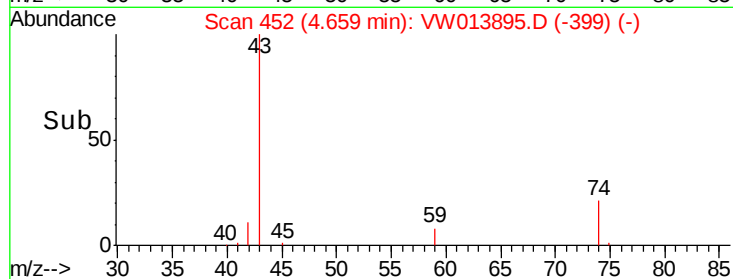
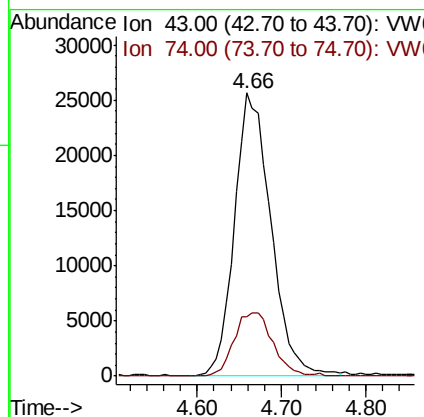
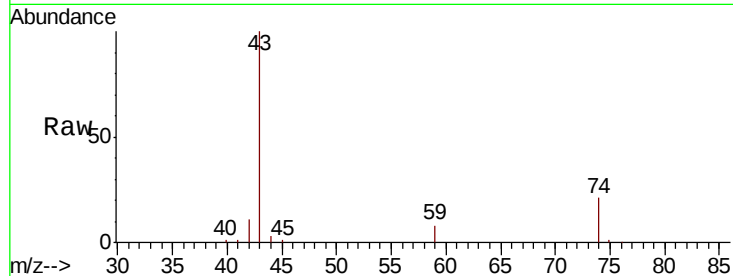




#15
Methyl Acetate
Concen: 26.139 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

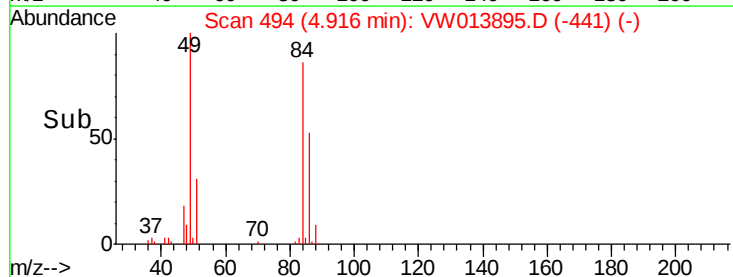
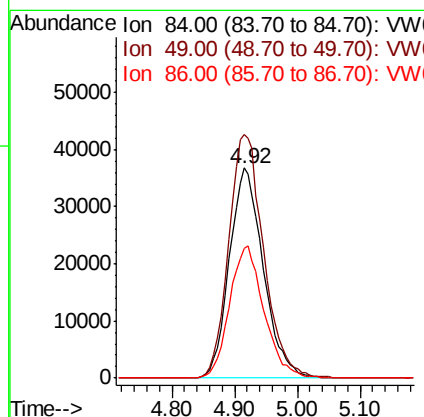
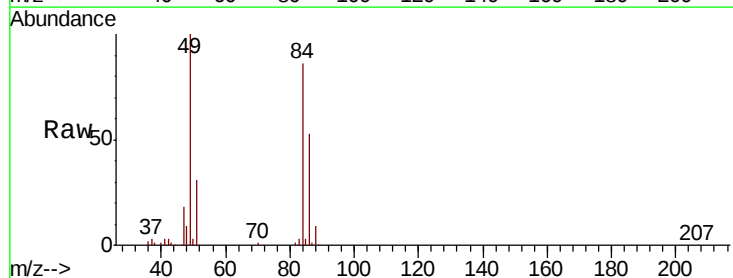
Instrument :
MSVOA_W
ClientSampled :

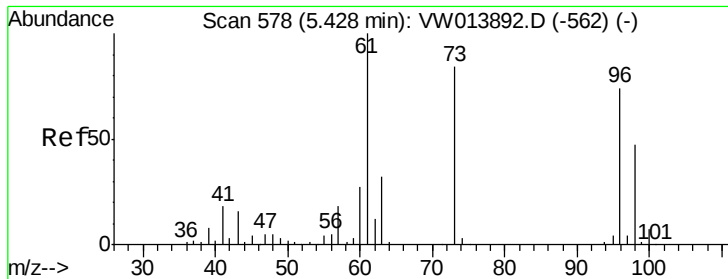
Tot Ion: 43 Resp: 75178
Ion Ratio Lower Upper
43 100
74 23.8 19.1 28.7



#16
Methylene chloride
Concen: 24.181 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

Tgt Ion: 84 Resp: 137710
Ion Ratio Lower Upper
84 100
49 116.0 79.7 148.1
86 61.7 46.4 86.2

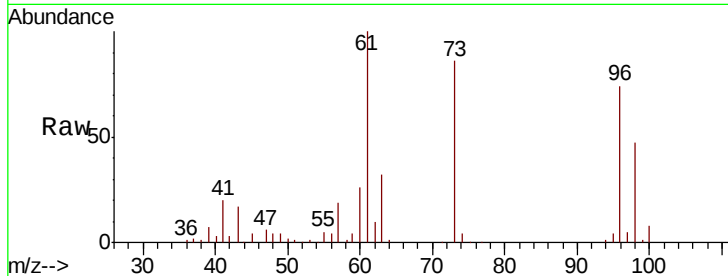




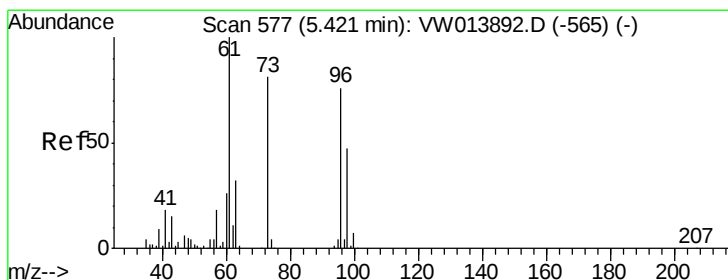
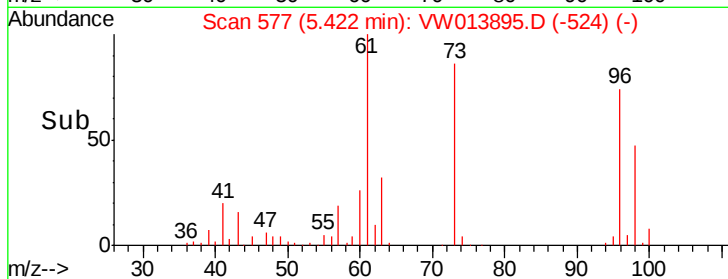
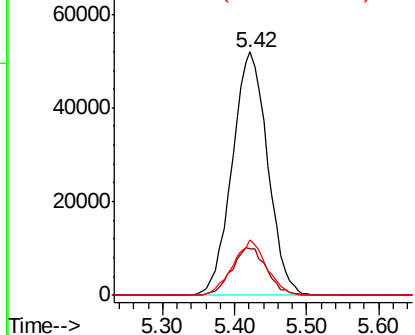
#17
Methvl tert-butvl Ether
Concen: 26.694 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 177507
Ion Ratio Lower Upper
73 100
43 19.5 14.4 21.6
57 21.4 17.8 26.6

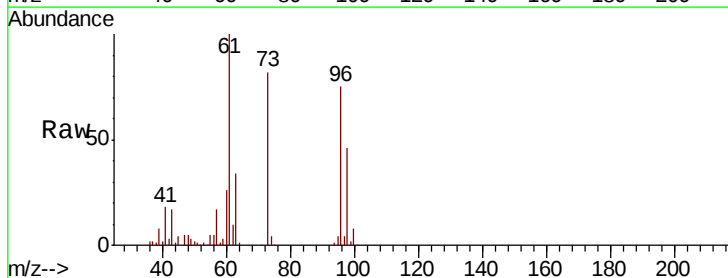


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

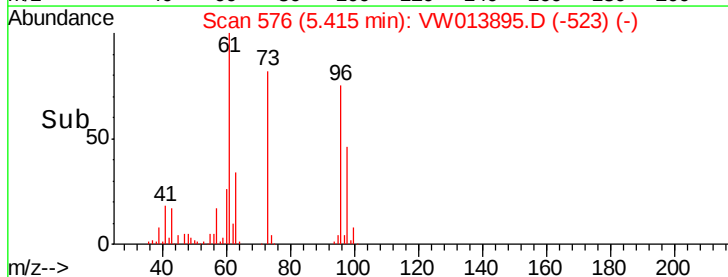
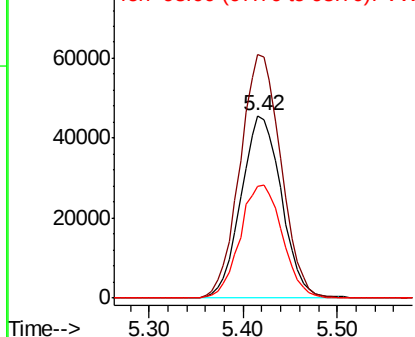


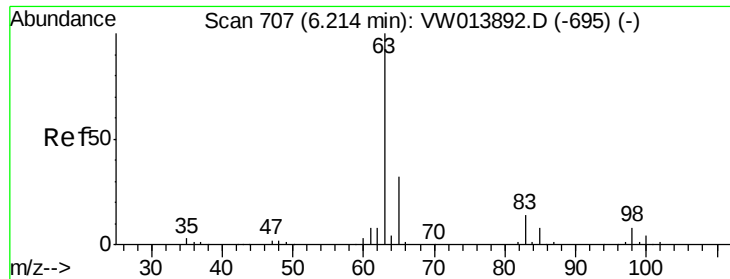
#18
trans-1,2-Dichloroethene
Concen: 24.948 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

Tgt Ion: 96 Resp: 136673
Ion Ratio Lower Upper
96 100
61 133.3 92.6 172.0
98 61.5 43.8 81.3



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

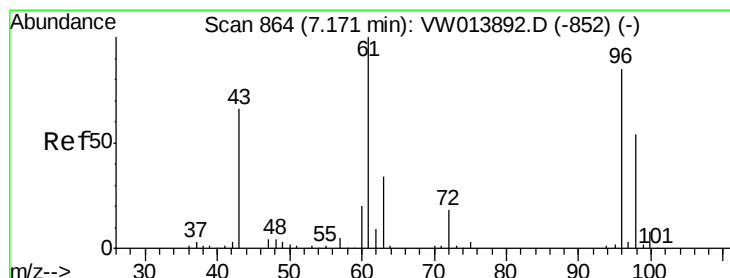
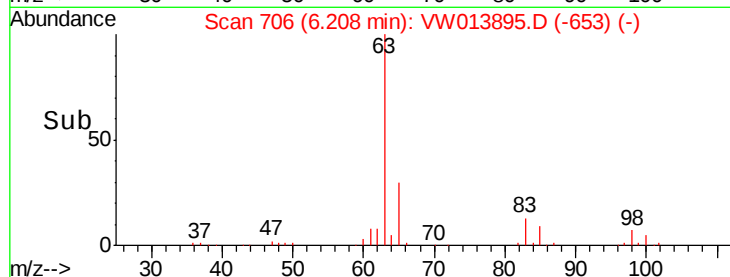
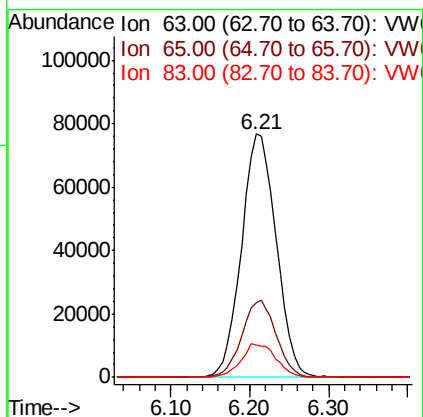
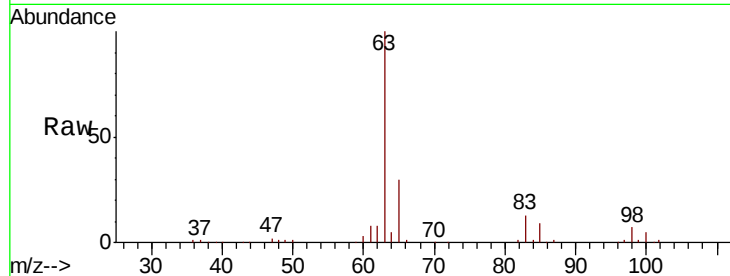




#19
 1,1-Dichloroethane
 Concen: 25.332 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

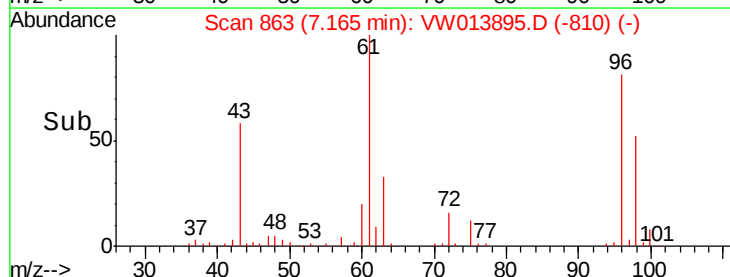
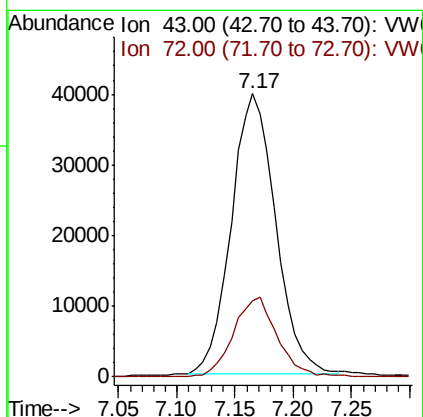
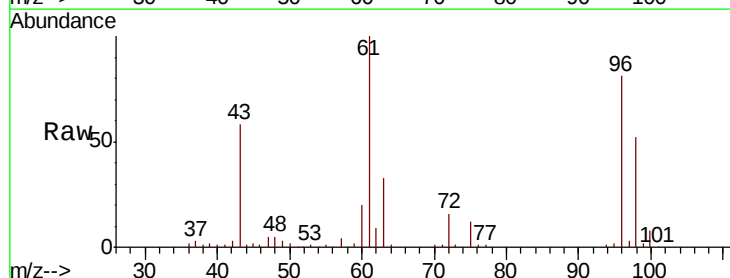
Instrument :
 MSVOA_W
 ClientSampled :

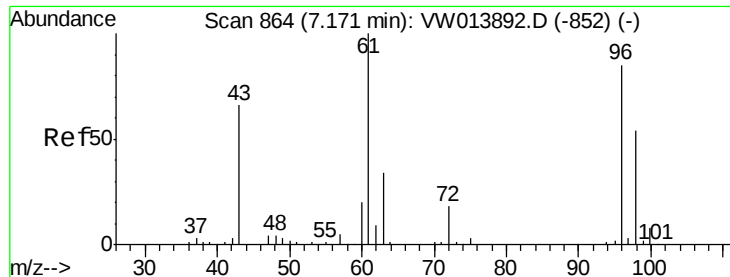
Tot Ion: 63 Resp: 235619
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.3 41.5
 83 13.3 10.1 18.7



#21
 2-Butanone
 Concen: 46.107 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

Tgt Ion: 43 Resp: 105120
 Ion Ratio Lower Upper
 43 100
 72 27.8 13.6 40.8



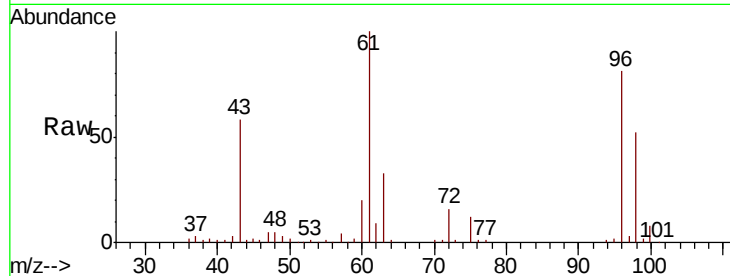


#22

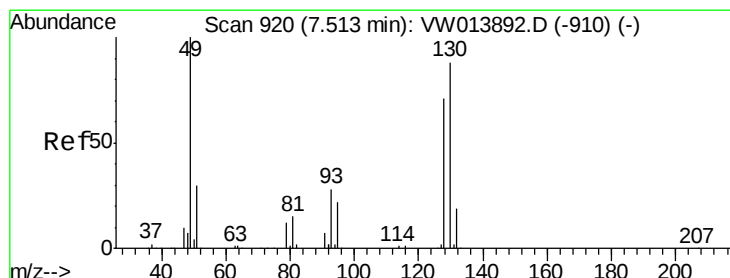
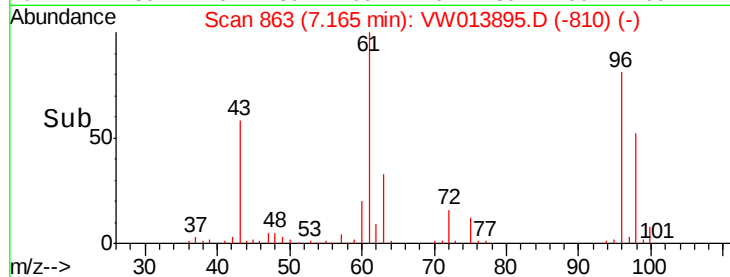
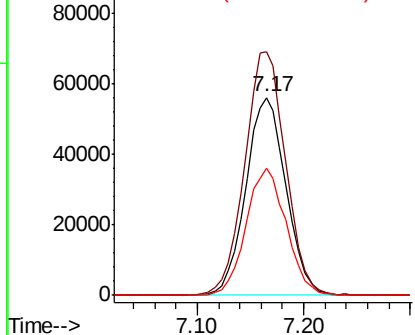
cis-1,2-Dichloroethene
 Concen: 25.767 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 148447
 Ion Ratio Lower Upper
 96 100
 61 123.0 82.3 152.9
 98 63.9 44.0 81.8



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

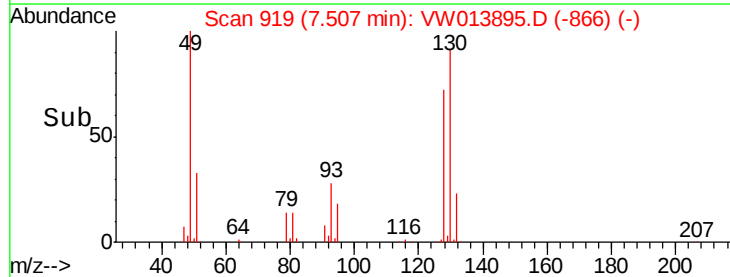
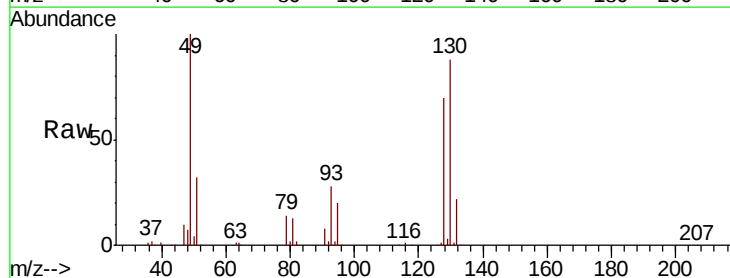
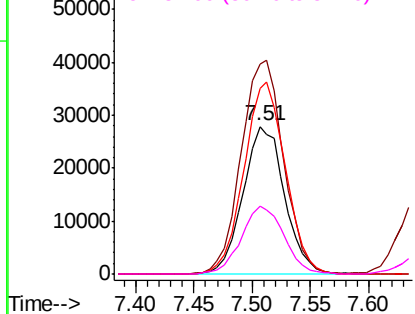


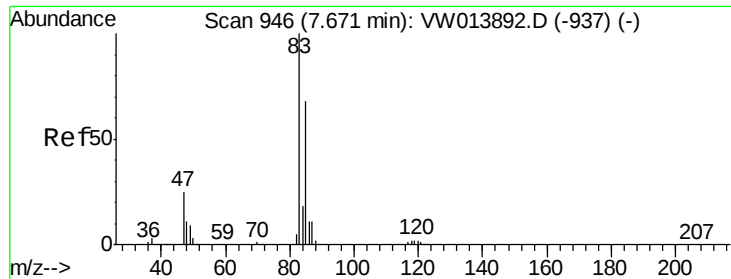
#23

Bromochloromethane
 Concen: 25.471 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

Tgt Ion: 128 Resp: 68999
 Ion Ratio Lower Upper
 128 100
 49 142.7 98.7 183.3
 130 126.1 86.8 161.2
 51 45.7 34.2 51.2

Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

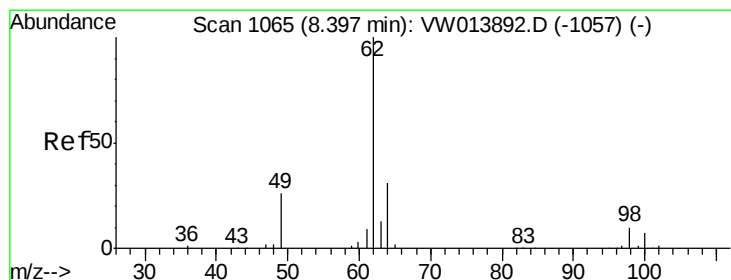
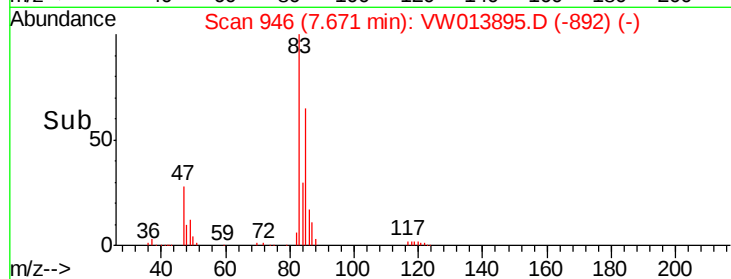
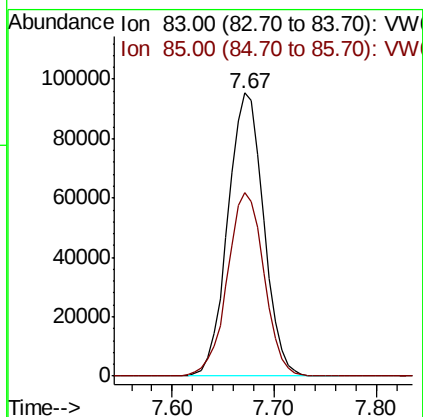
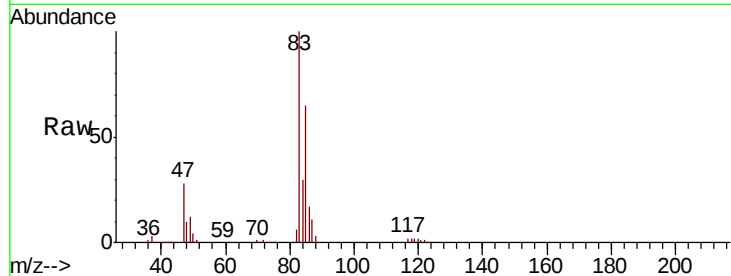




#25
Chloroform
Concen: 24.749 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

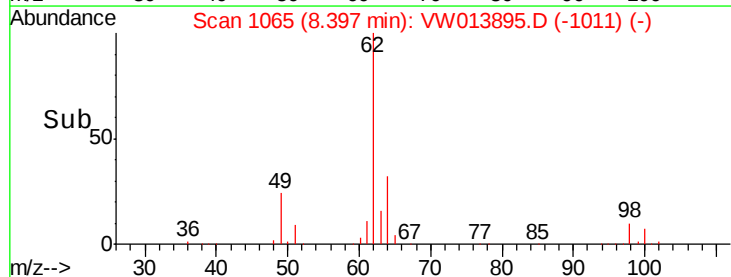
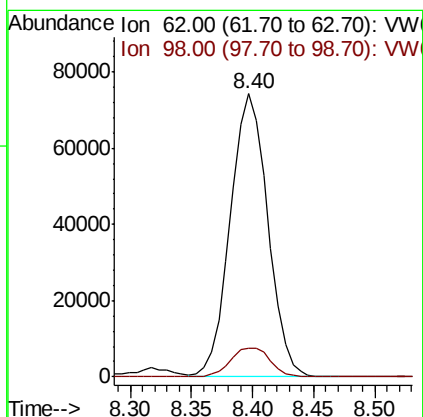
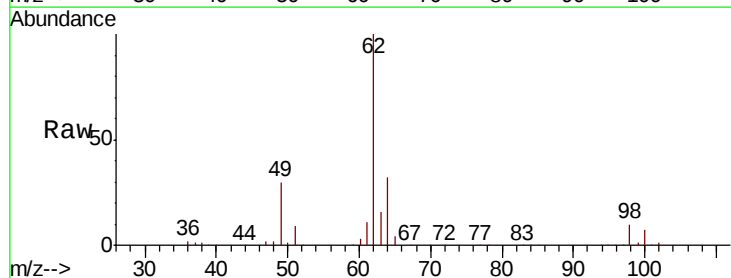
Instrument :
MSVOA_W
ClientSampled :

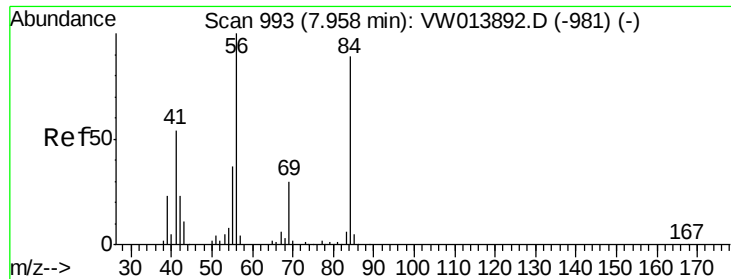
Tot Ion: 83 Resp: 231444
Ion Ratio Lower Upper
83 100
85 66.6 46.9 87.1



#27
1,2-Dichloroethane
Concen: 25.570 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

Tgt Ion: 62 Resp: 158153
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.2

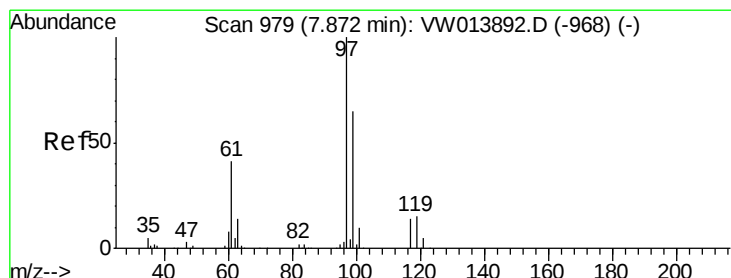
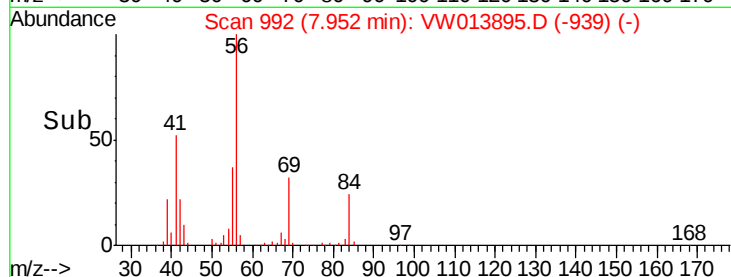
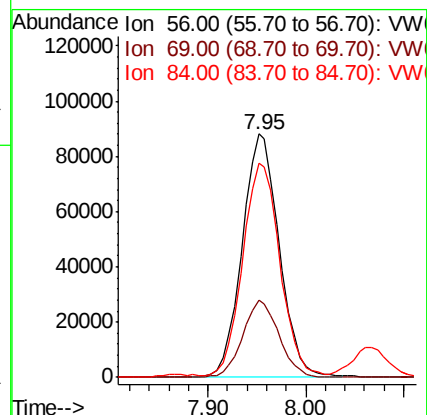
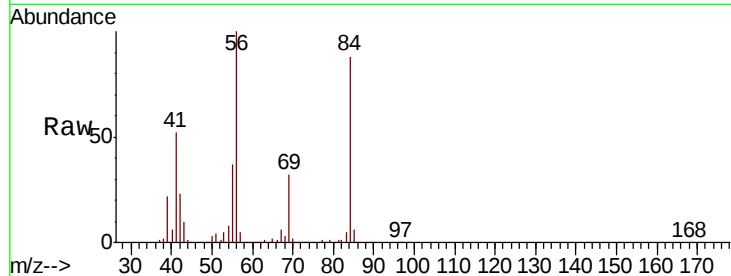




#30
Cyclohexane
Concen: 25.685 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

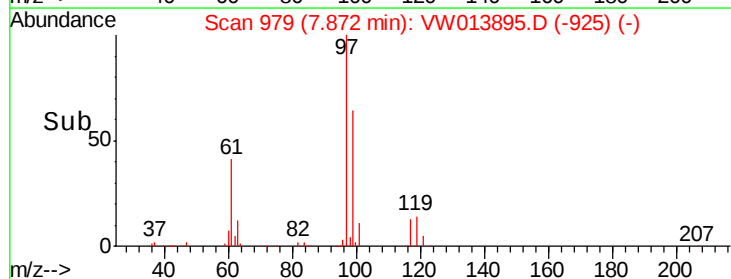
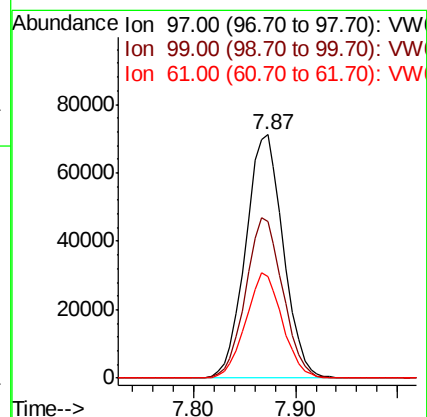
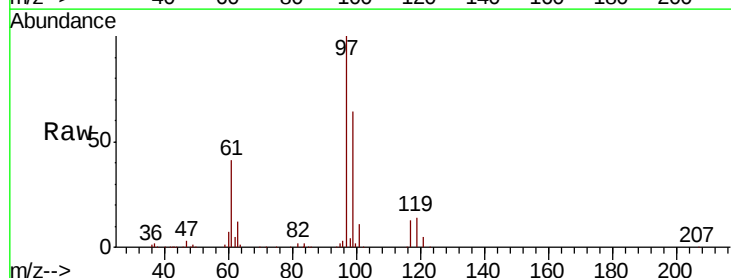
Instrument :
MSVOA_W
ClientSampleId :

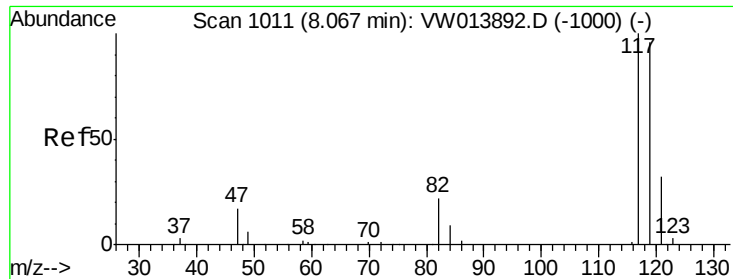
Tot Ion: 56 Resp: 231021
Ion Ratio Lower Upper
56 100
69 30.9 24.5 36.7
84 89.1 70.6 105.8



#31
1,1,1-Trichloroethane
Concen: 25.018 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

Tgt Ion: 97 Resp: 182600
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 42.0 33.6 50.4





#32

Carbon tetrachloride

Concen: 25.603 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

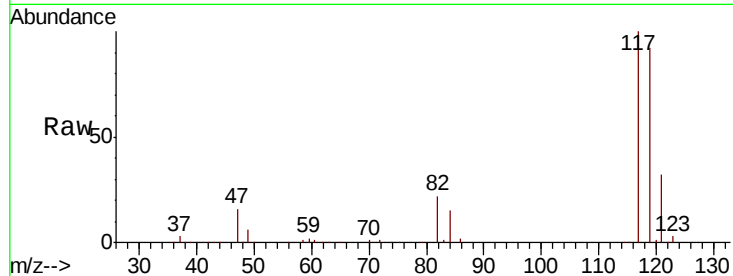
ClientSampleId :

Tot Ion:117 Resp: 182736

Ion Ratio Lower Upper

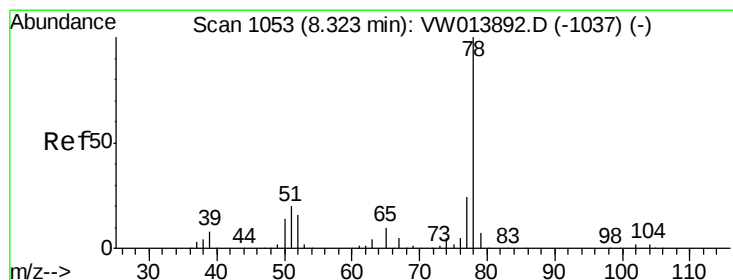
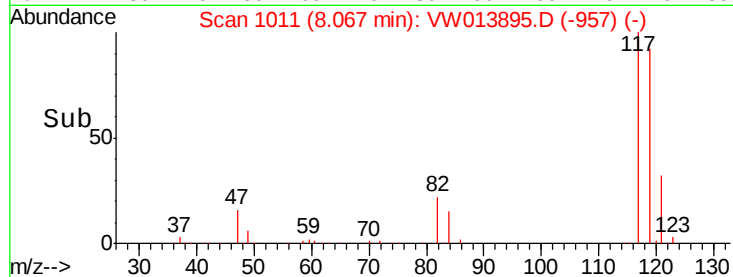
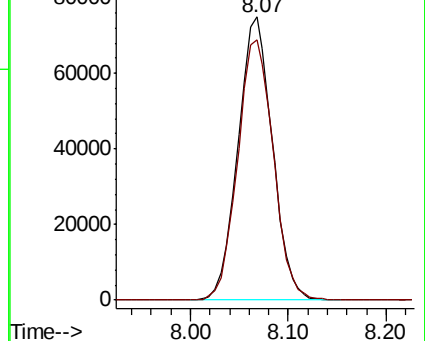
117 100

119 95.1 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.406 ug/L

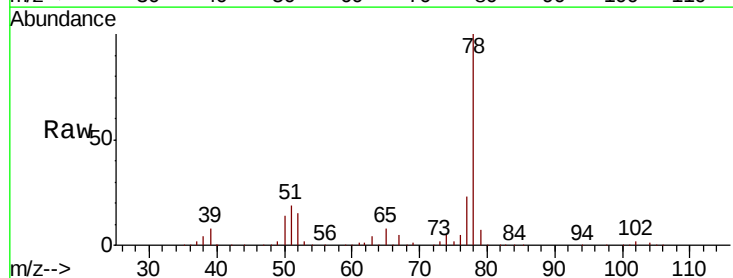
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

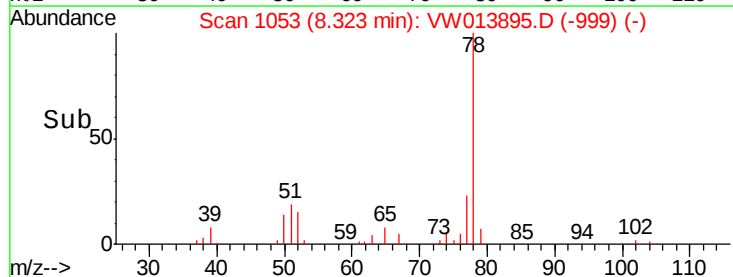
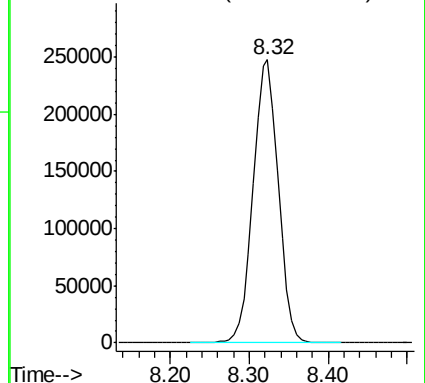
Lab File: VW013895.D

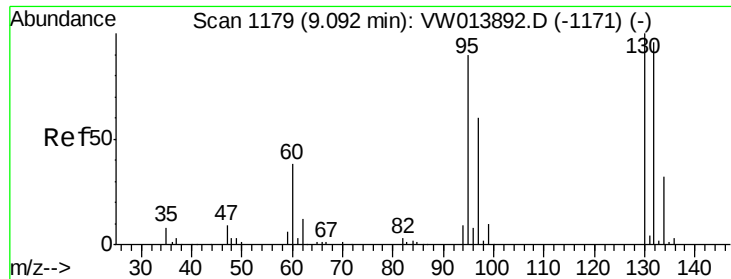
Acq: 01 Nov 2019 13:00

Tgt Ion: 78 Resp: 549757



Abundance Ion 78.00 (77.70 to 78.70): VW

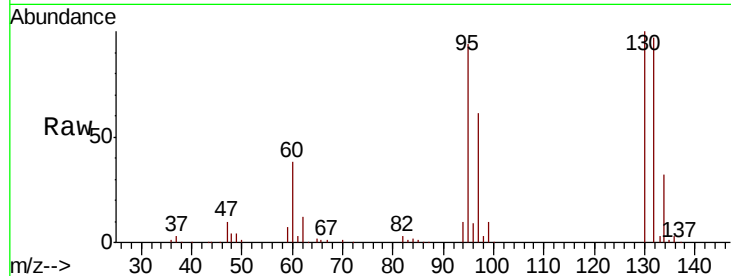




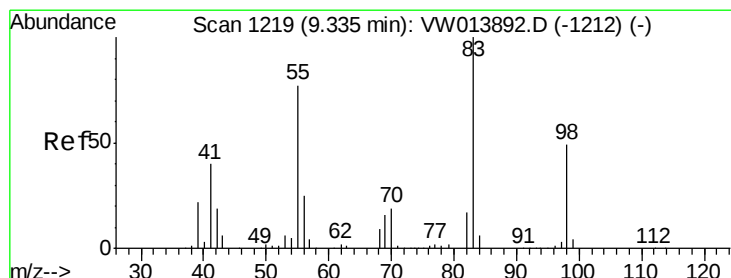
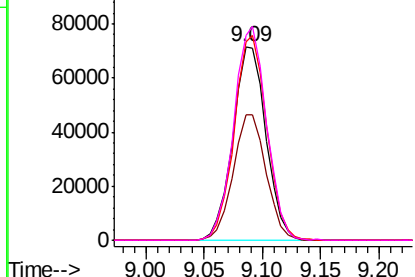
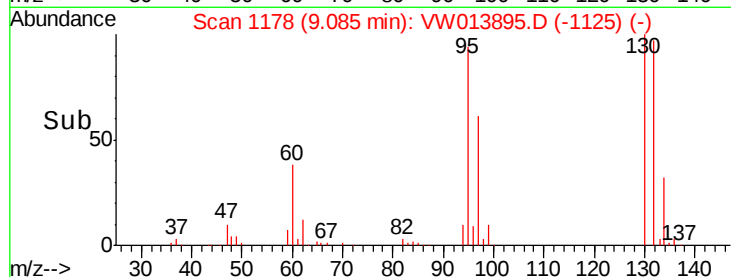
#35
 Trichloroethene
 Concen: 24.933 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	142218
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.9	83.5
132	104.0	73.3	136.1
130	109.6	75.5	140.1

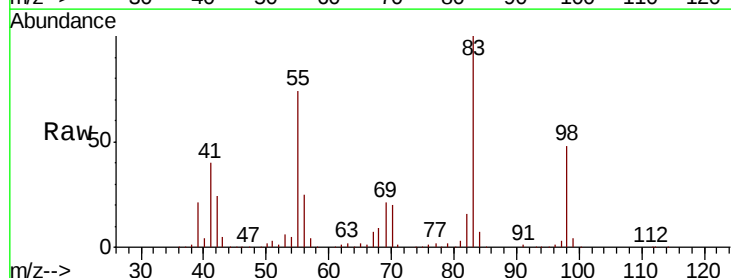


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

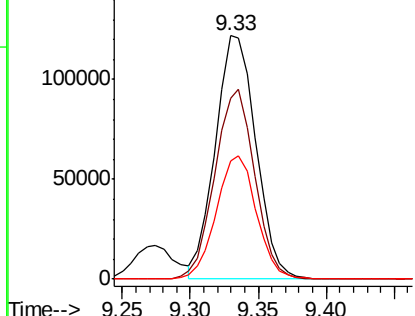
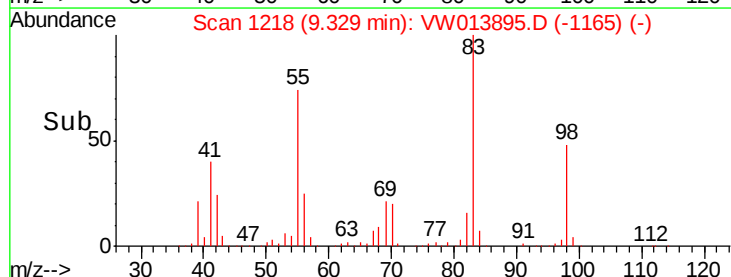


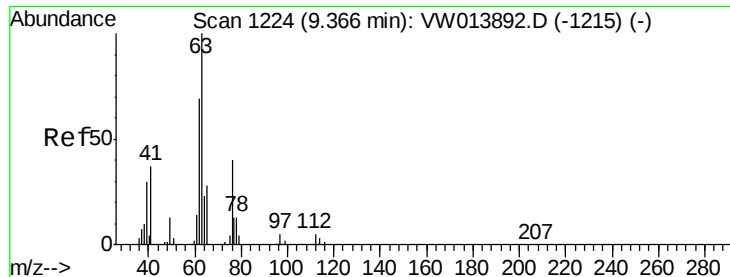
#36
 Methylcyclohexane
 Concen: 25.290 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

Tgt Ion:	83	Resp:	253206
Ion	Ratio	Lower	Upper
83	100		
55	76.6	60.2	90.2
98	49.9	39.2	58.8



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





#40

1,2-Dichloropropane

Concen: 25.264 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

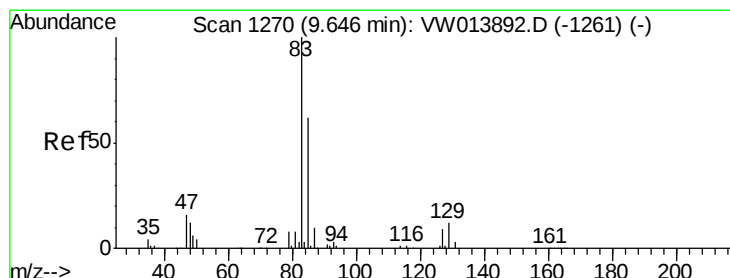
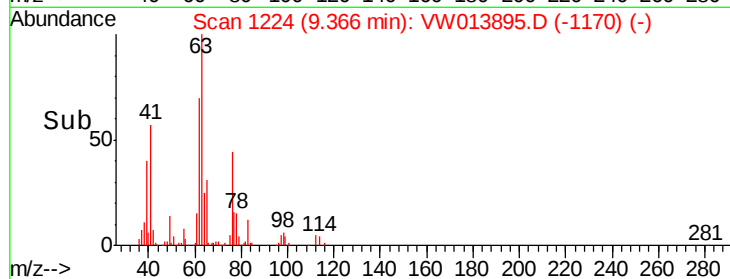
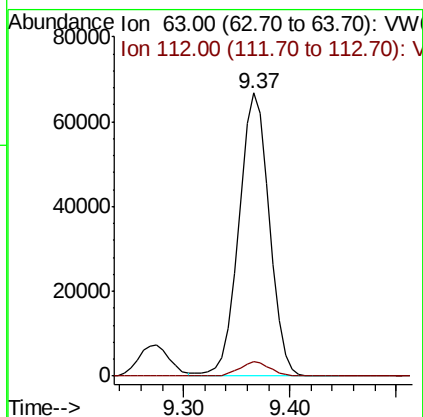
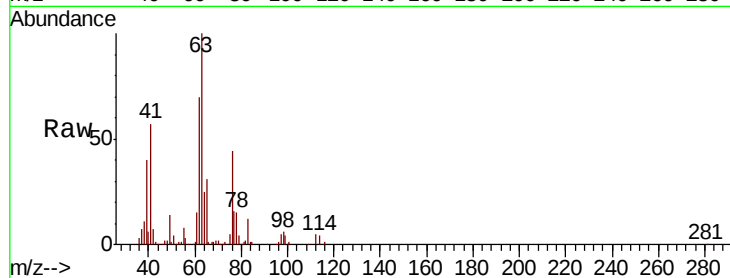
ClientSampleId :

Tot Ion: 63 Resp: 134177

Ion Ratio Lower Upper

63 100

112 5.1 3.9 5.9



#41

Bromodichloromethane

Concen: 25.616 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

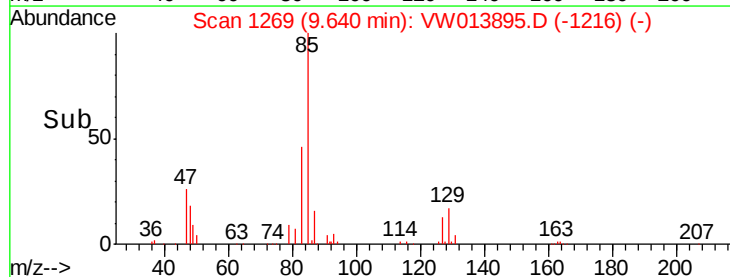
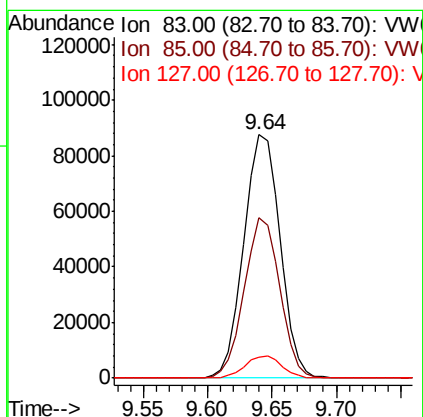
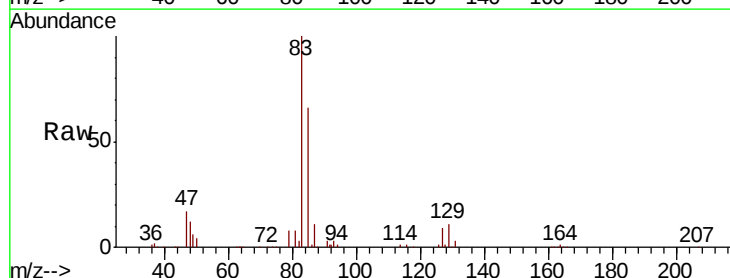
Tgt Ion: 83 Resp: 171029

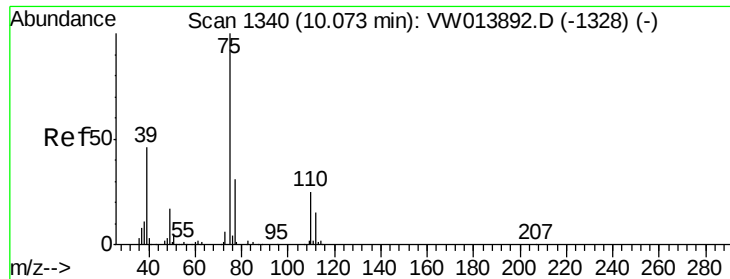
Ion Ratio Lower Upper

83 100

85 65.9 43.5 80.7

127 8.6 7.0 10.4





#42

cis-1,3-Dichloropropene

Concen: 25.916 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

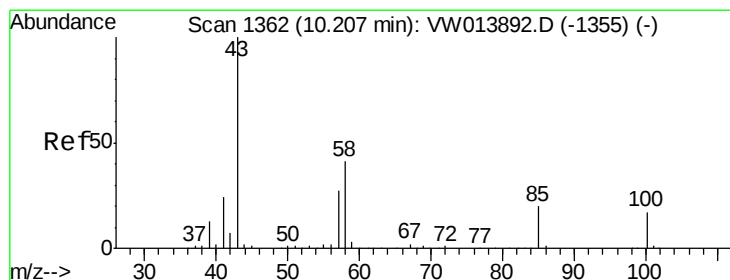
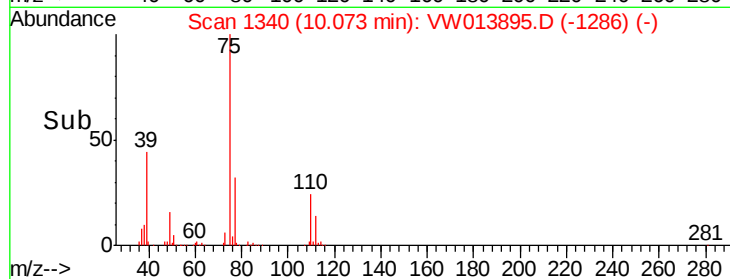
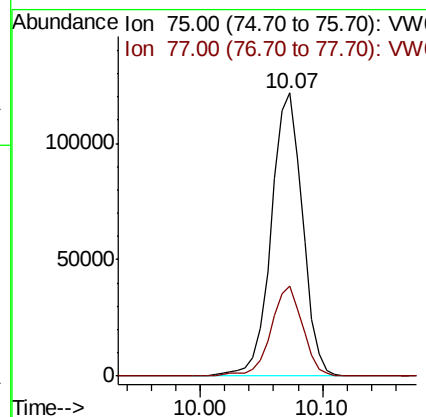
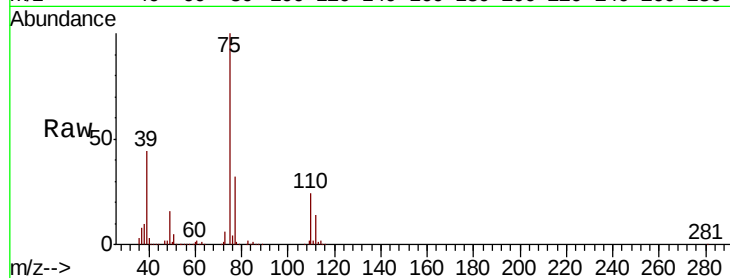
ClientSampled :

Tot Ion: 75 Resp: 216914

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 51.682 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

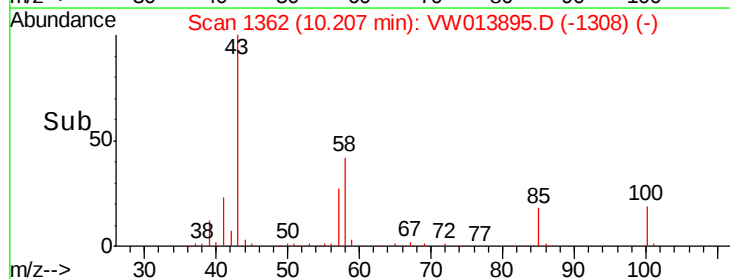
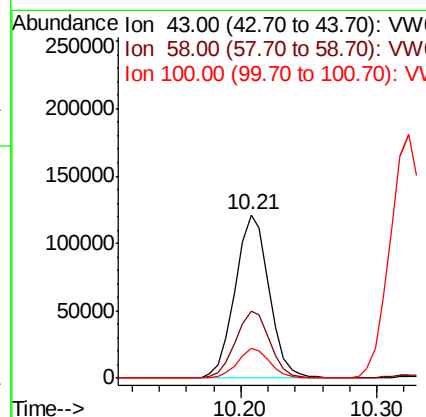
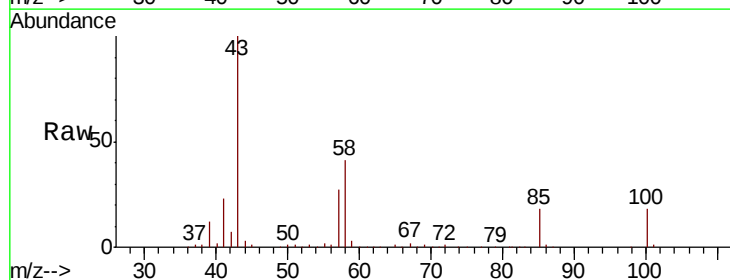
Tgt Ion: 43 Resp: 211098

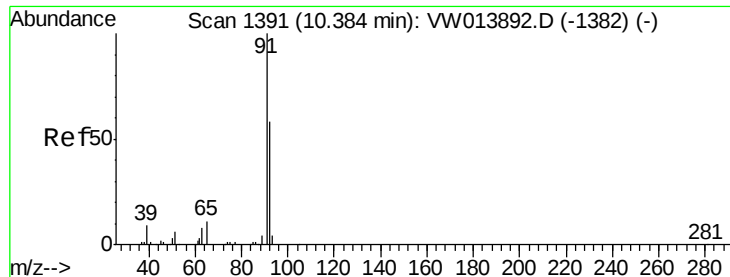
Ion Ratio Lower Upper

43 100

58 41.3 32.6 48.8

100 17.4 14.1 21.1





#44

Toluene

Concen: 25.700 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

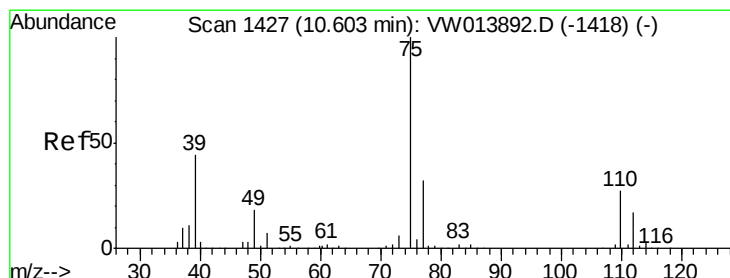
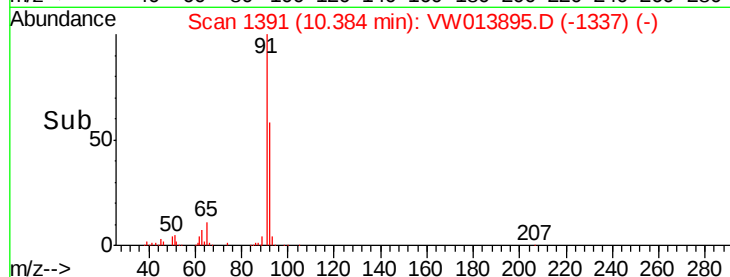
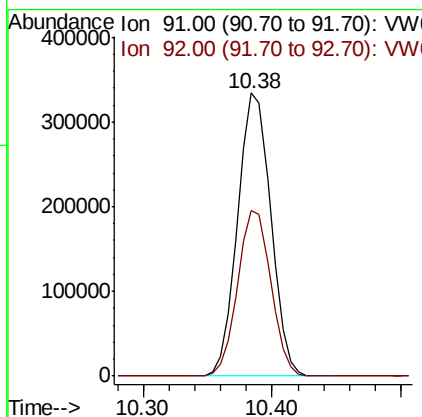
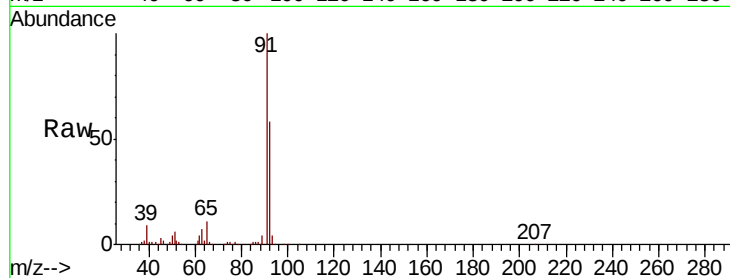
ClientSampleId :

Tot Ion: 91 Resp: 597579

Ion Ratio Lower Upper

91 100

92 58.4 40.3 74.9



#45

trans-1,3-Dichloropropene

Concen: 25.752 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013895.D

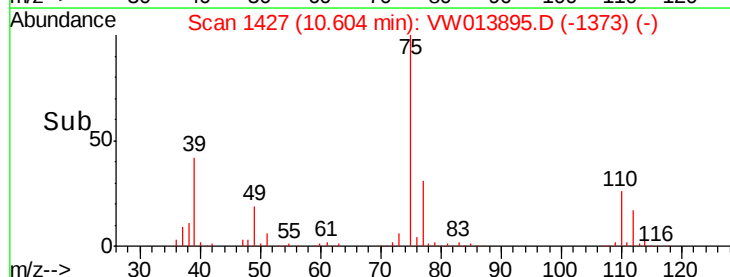
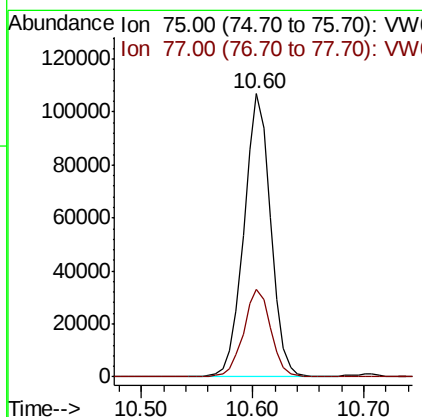
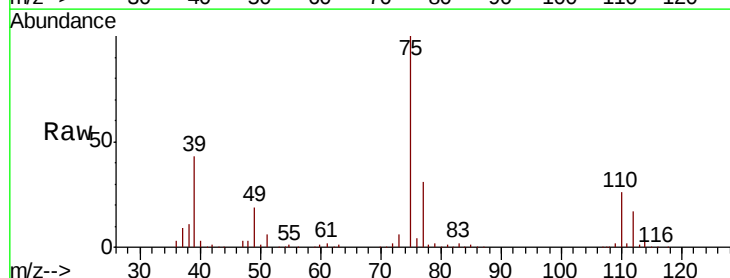
Acq: 01 Nov 2019 13:00

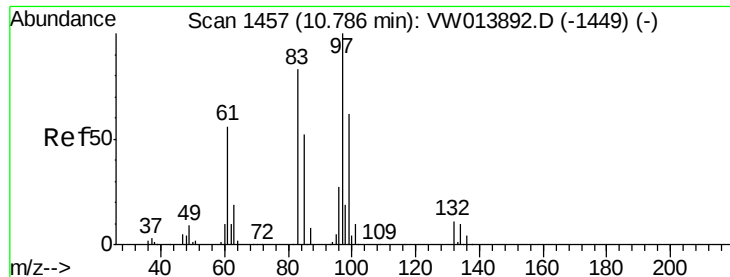
Tgt Ion: 75 Resp: 178102

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 25.075 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 106342

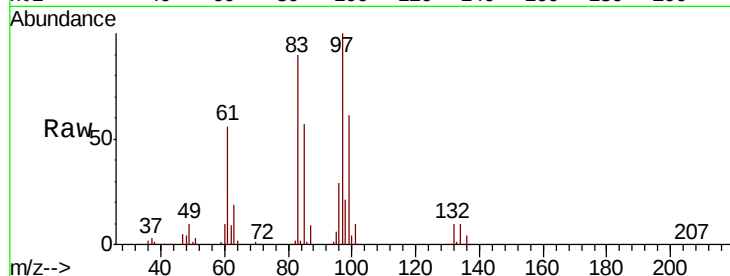
Ion Ratio Lower Upper

97 100

83 89.6 58.4 108.4

85 57.1 36.2 67.2

99 60.8 43.1 80.1



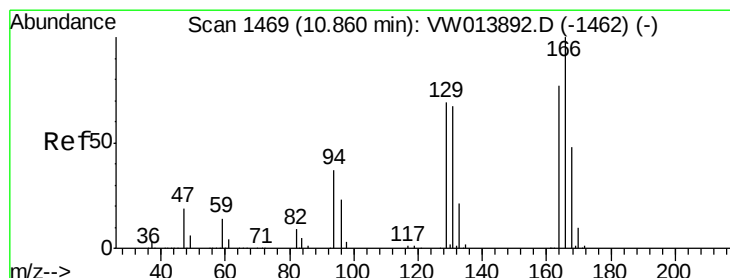
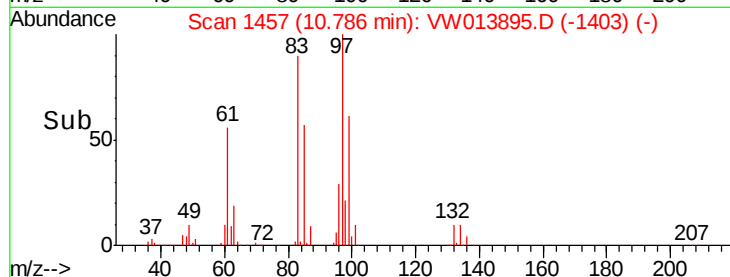
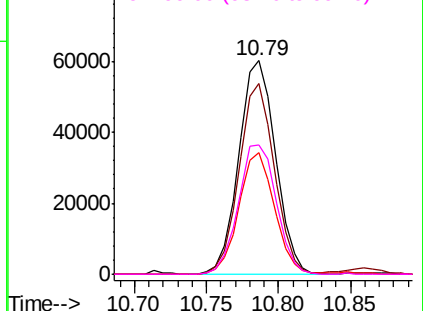
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.572 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Tgt Ion: 164 Resp: 129042

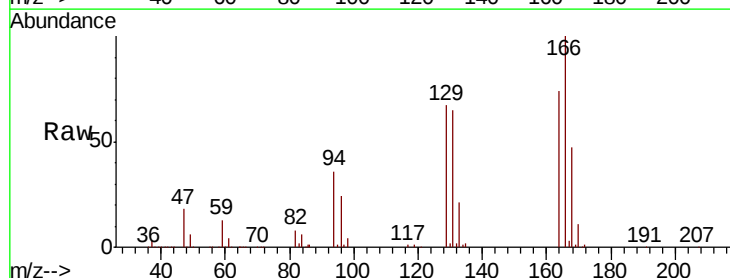
Ion Ratio Lower Upper

164 100

129 90.9 63.0 117.0

131 88.2 60.6 112.6

166 135.9 90.7 168.5



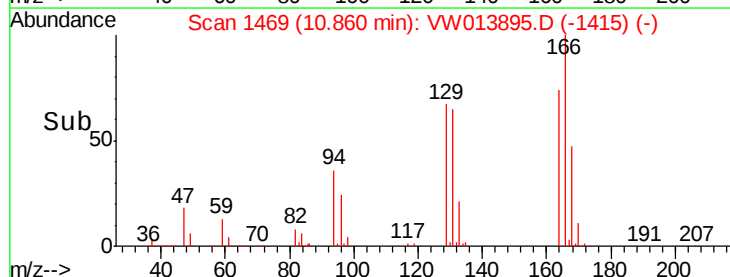
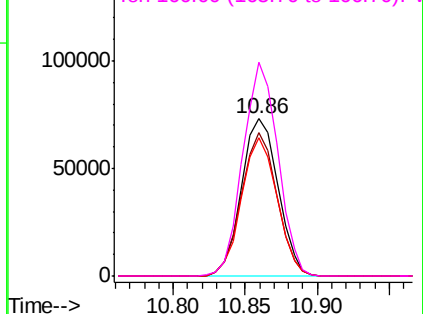
Abundance

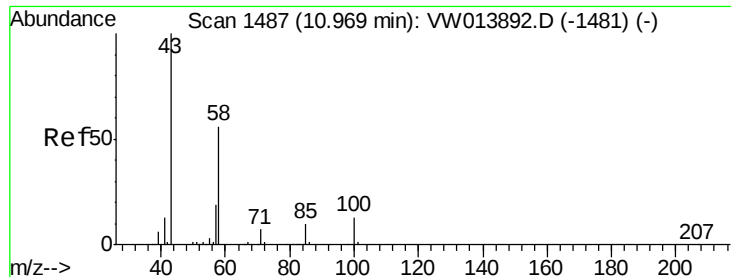
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 51.313 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 153974

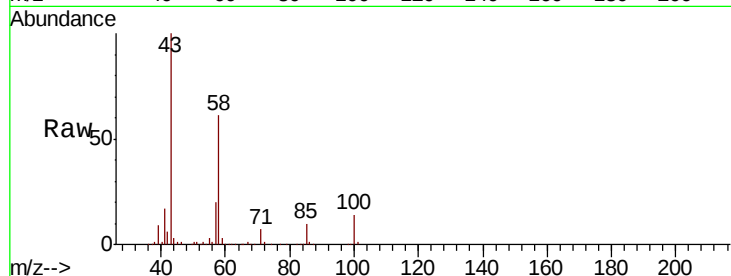
Ion Ratio Lower Upper

43 100

58 55.8 45.2 67.8

57 19.5 15.4 23.0

100 13.7 10.9 16.3

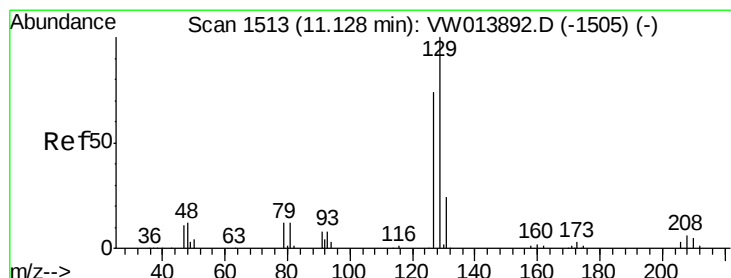
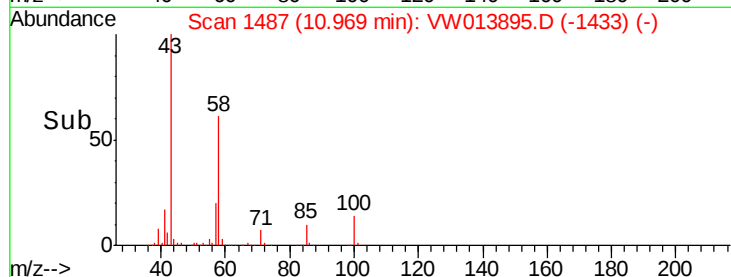
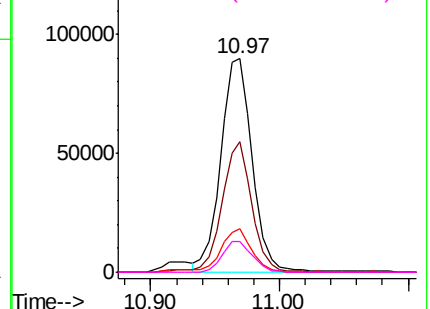


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.136 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013895.D

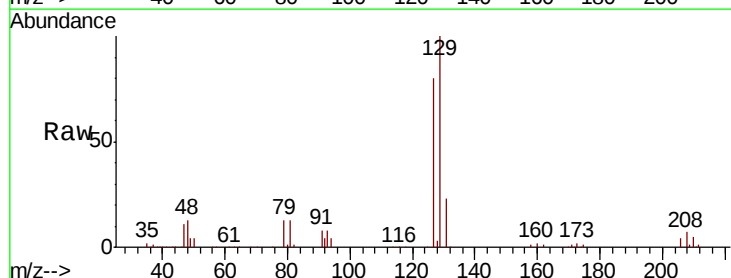
Acq: 01 Nov 2019 13:00

Tgt Ion: 129 Resp: 128668

Ion Ratio Lower Upper

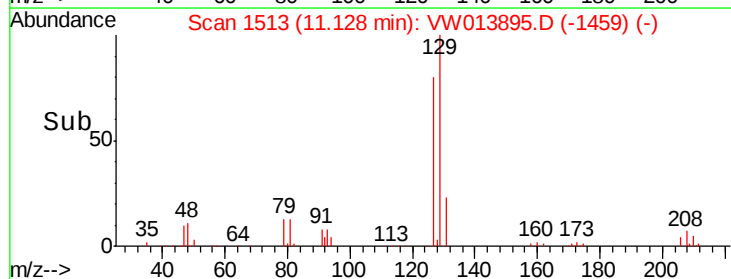
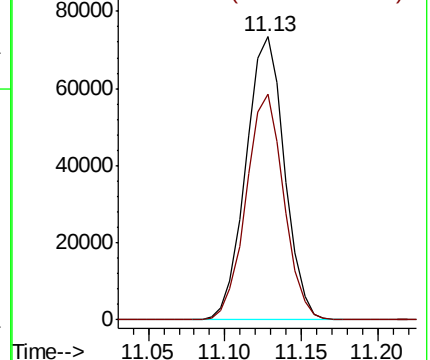
129 100

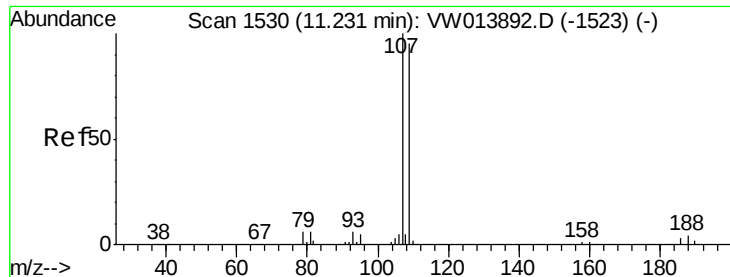
127 80.0 52.1 96.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

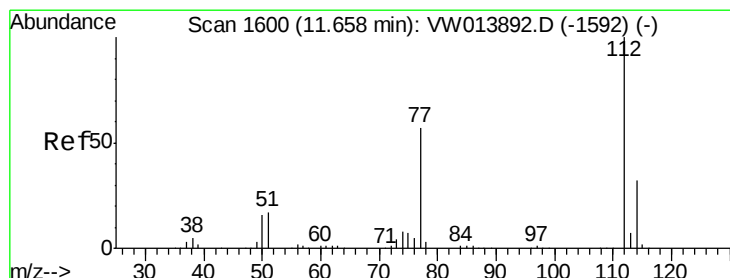
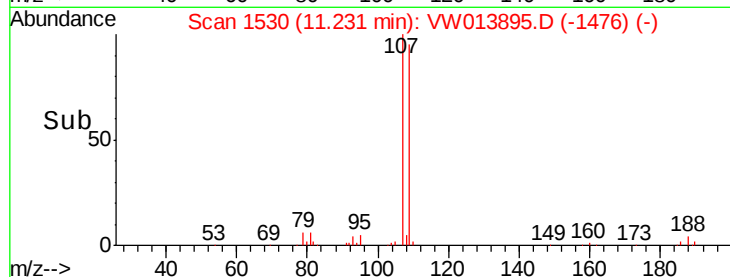
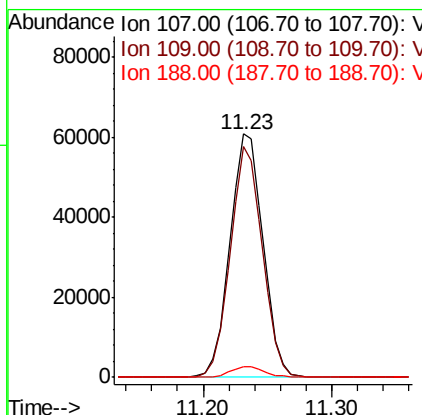
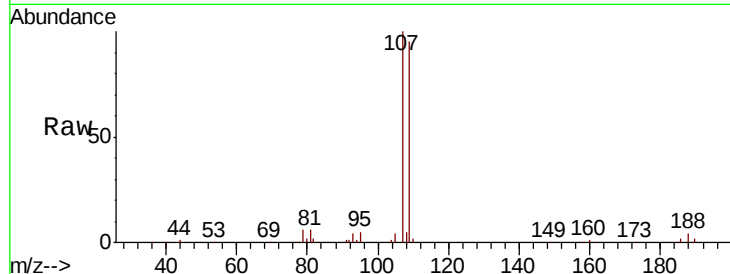




#51
1,2-Dibromoethane
Concen: 25.926 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

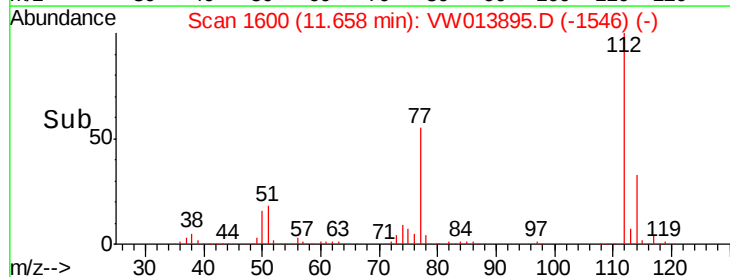
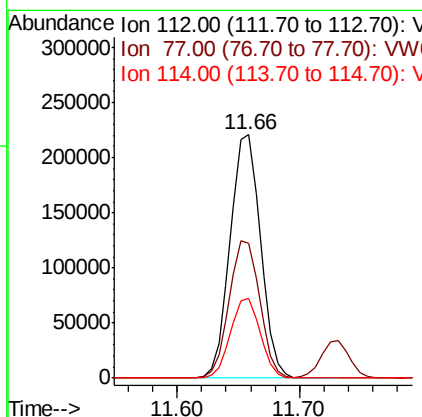
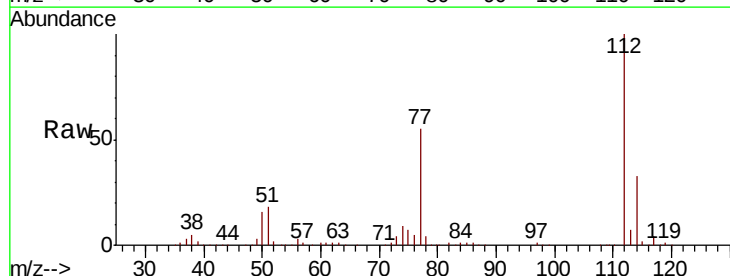
Instrument :
MSVOA_W
ClientSampleId :

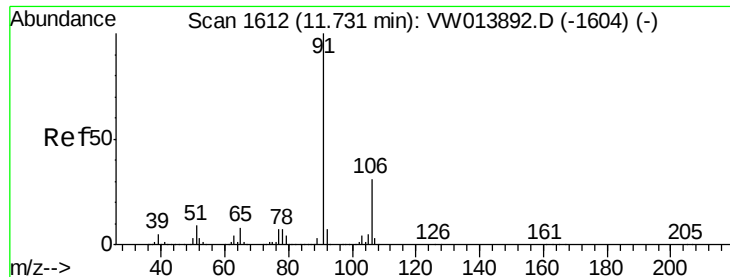
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	66.3	123.1
188	4.3	3.5	5.3



#52
Chlorobenzene
Concen: 25.338 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.2	45.4	68.0
114	32.5	22.6	42.0

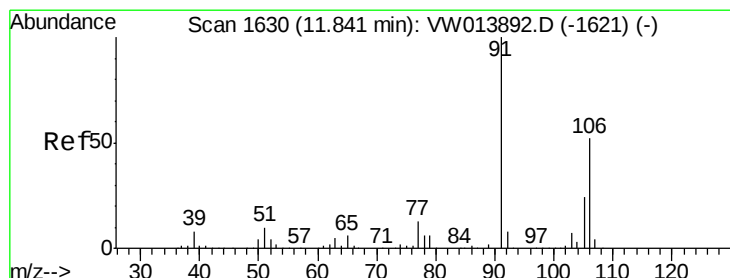
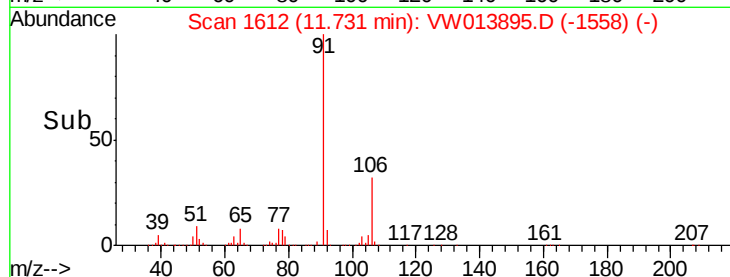
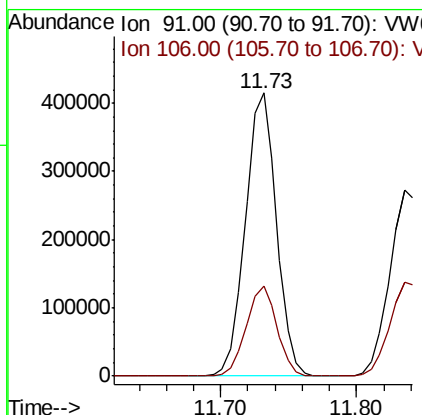
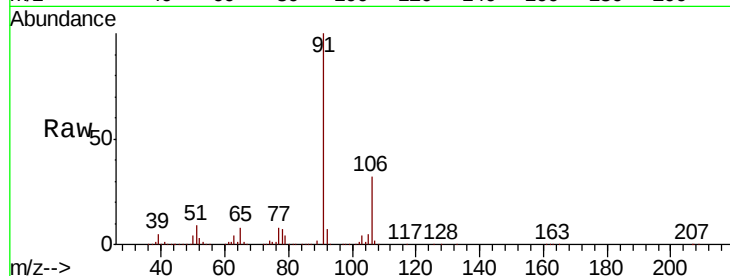




#53
Ethylbenzene
Concen: 25.610 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

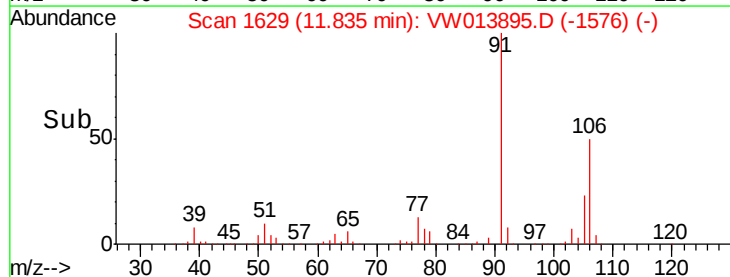
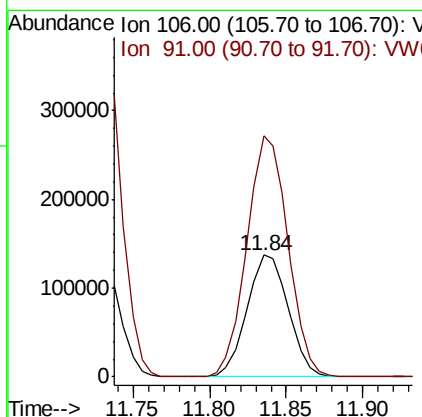
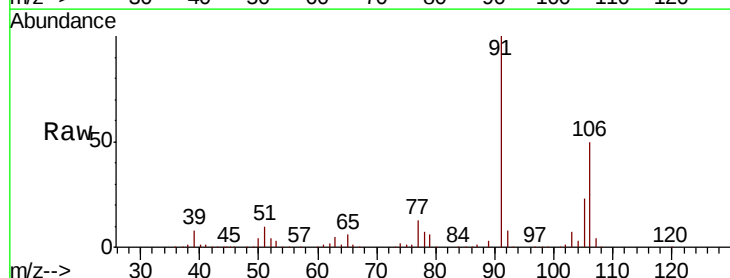
Instrument :
MSVOA_W
ClientSampleId :

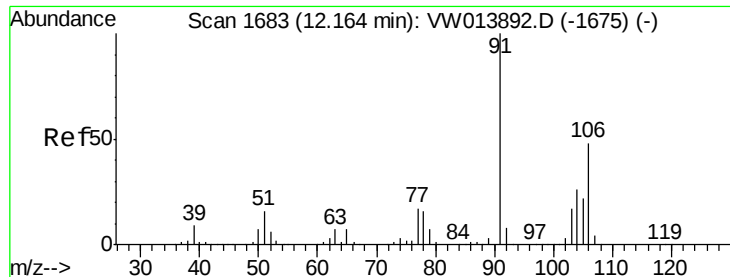
Tot Ion: 91 Resp: 662876
Ion Ratio Lower Upper
91 100
106 31.9 22.0 40.8



#54
m,p-Xylene
Concen: 25.894 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013895.D
Acq: 01 Nov 2019 13:00

Tgt Ion: 106 Resp: 258287
Ion Ratio Lower Upper
106 100
91 198.3 133.7 248.3





#55

o-xylene

Concen: 26.163 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

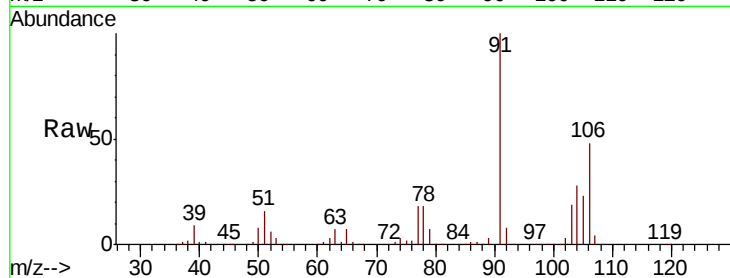
ClientSampled :

Tot Ion:106 Resp: 246679

Ion Ratio Lower Upper

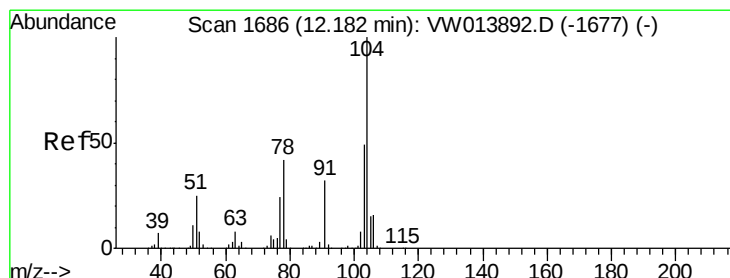
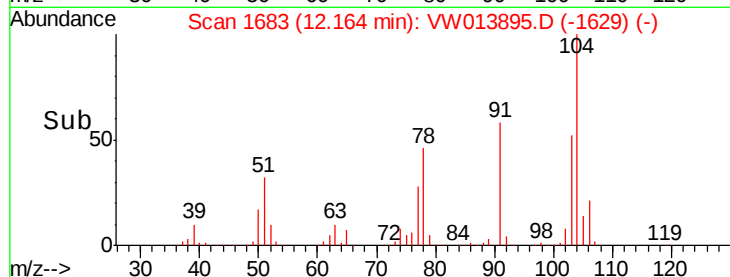
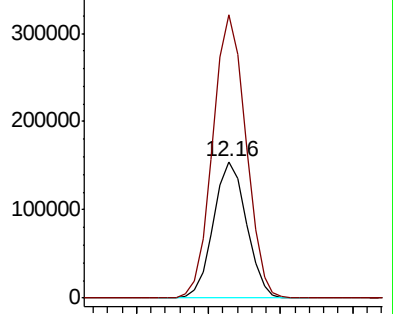
106 100

91 207.0 145.6 270.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.983 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW013895.D

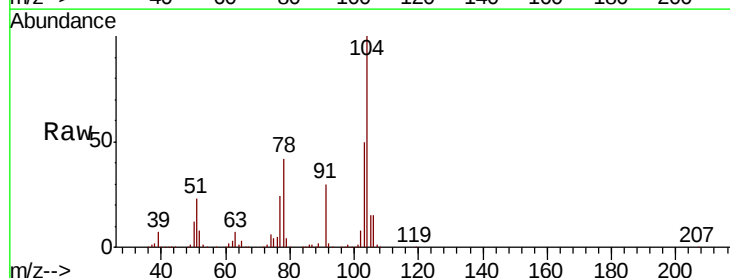
Acq: 01 Nov 2019 13:00

Tgt Ion:104 Resp: 422761

Ion Ratio Lower Upper

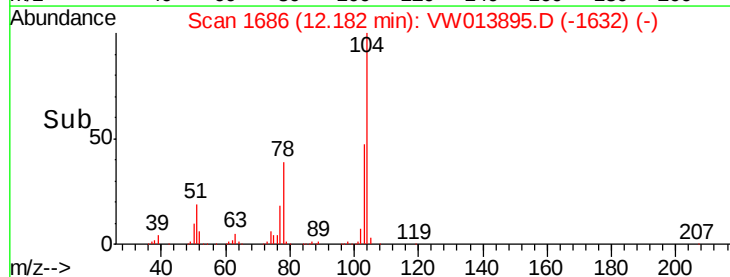
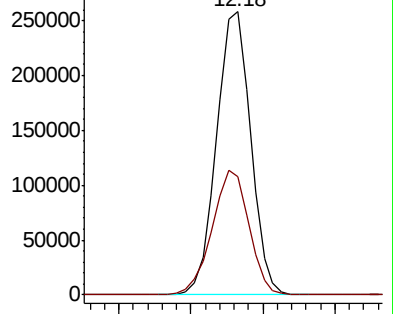
104 100

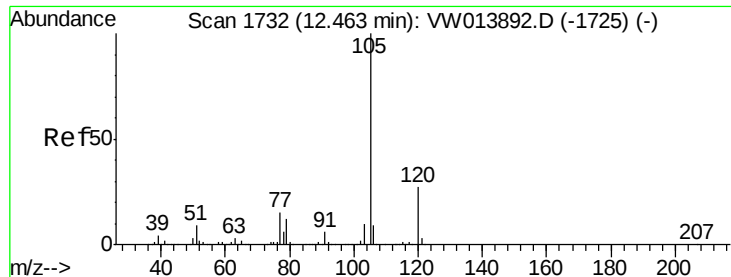
78 41.8 29.2 54.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.742 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

ClientSampled :

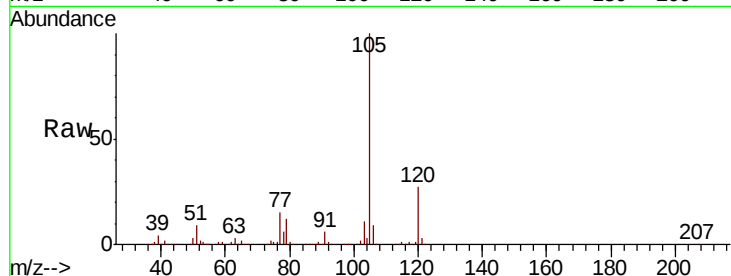
Tot Ion: 105 Resp: 654474

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

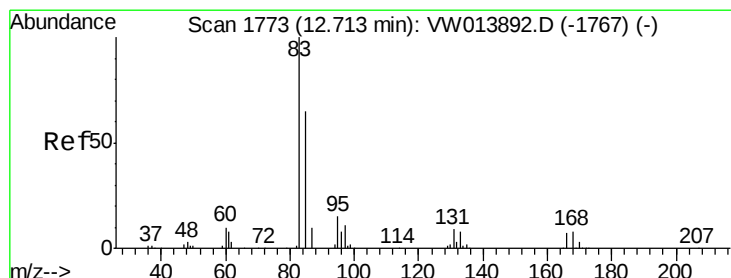
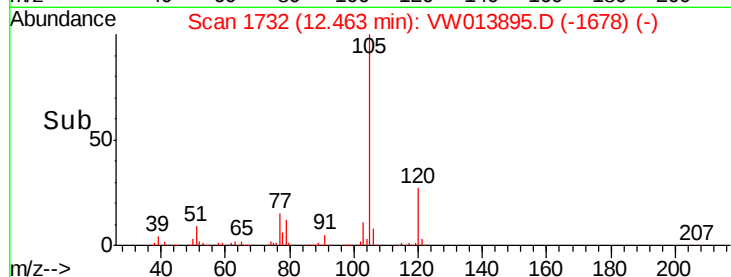
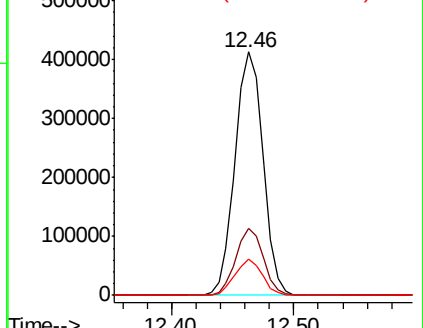
77 14.5 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.330 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

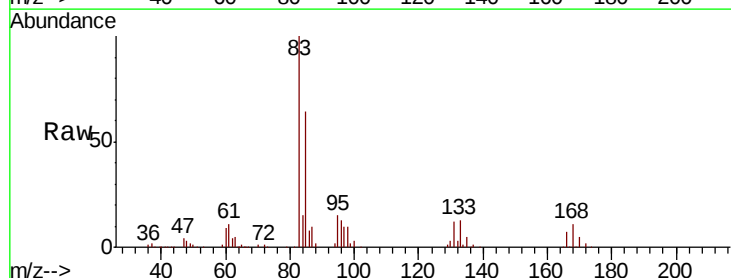
Tgt Ion: 83 Resp: 135289

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.6

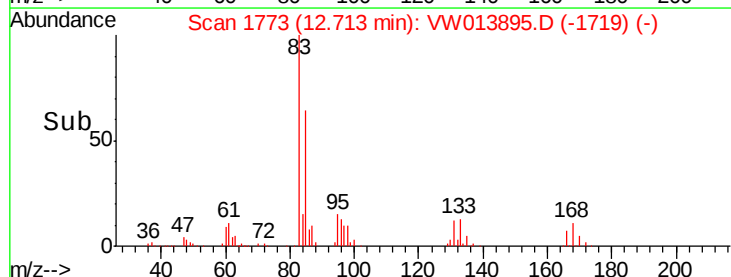
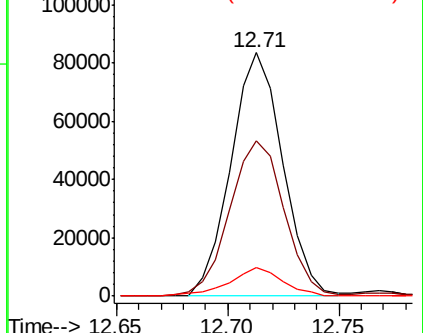
131 11.5 7.8 11.8

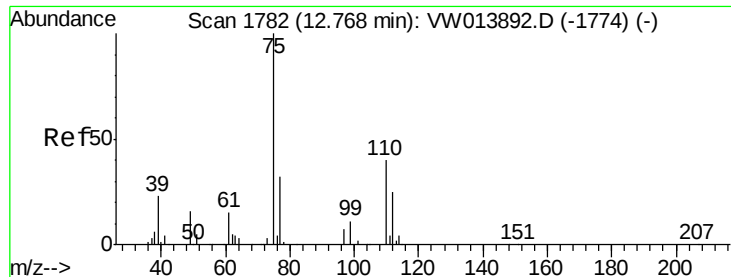


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.431 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

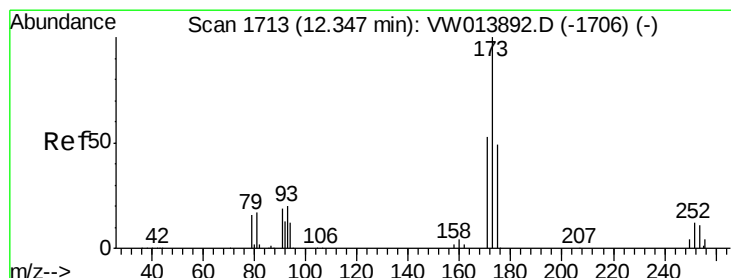
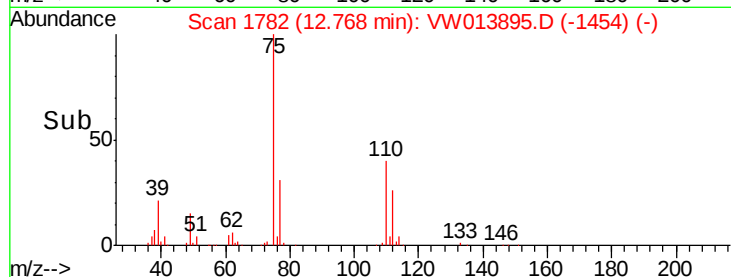
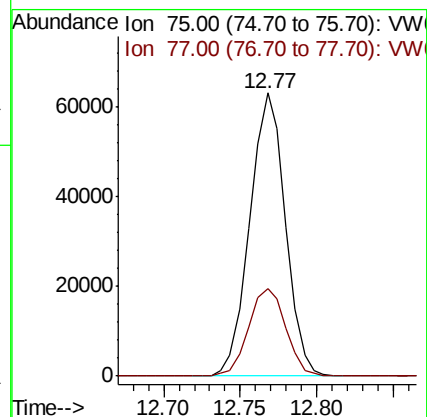
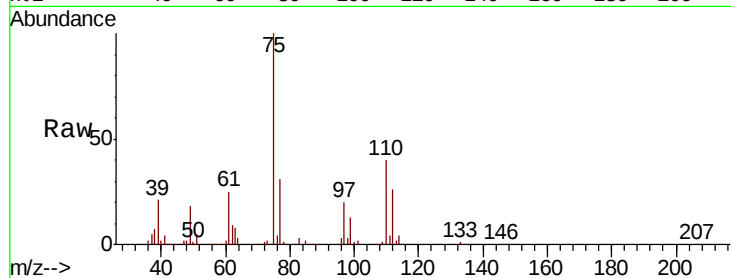
ClientSampleId :

Tot Ion: 75 Resp: 101981

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 25.212 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

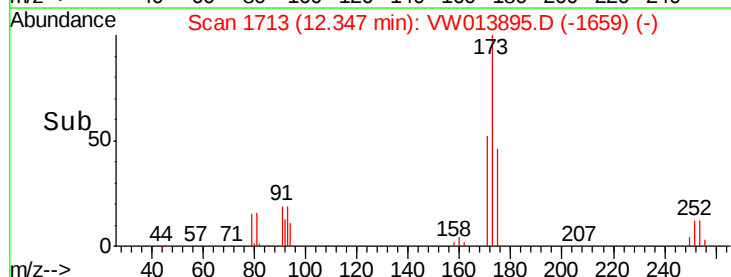
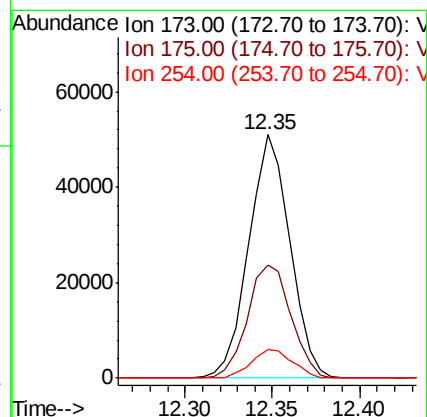
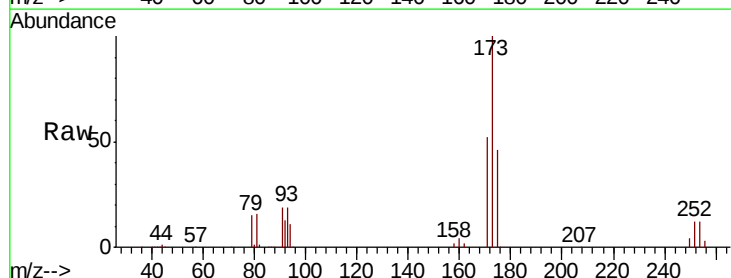
Tgt Ion: 173 Resp: 83615

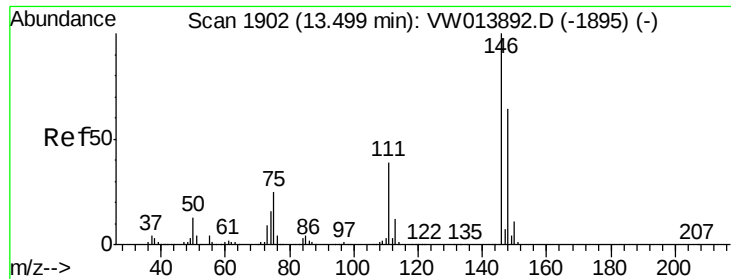
Ion Ratio Lower Upper

173 100

175 49.3 39.7 59.5

254 11.7 10.0 15.0

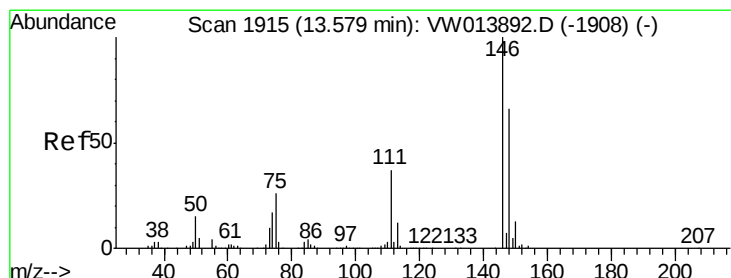
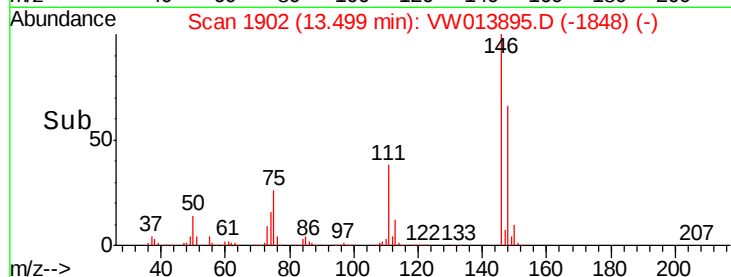
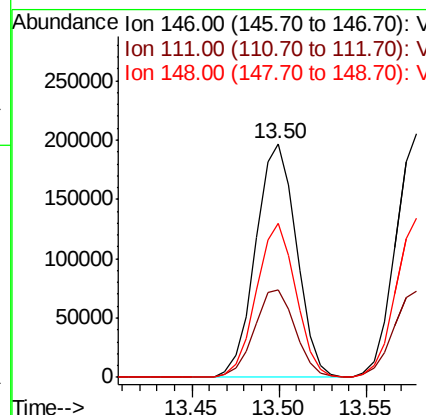
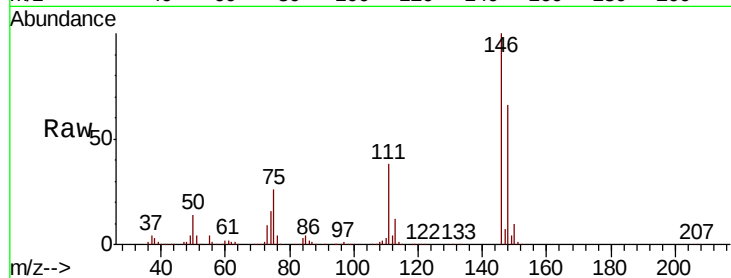




#63
 1,3-Dichlorobenzene
 Concen: 25.244 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

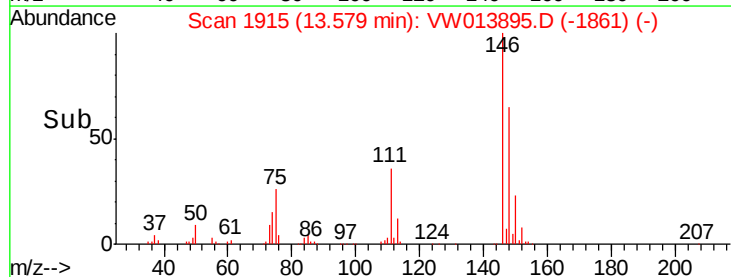
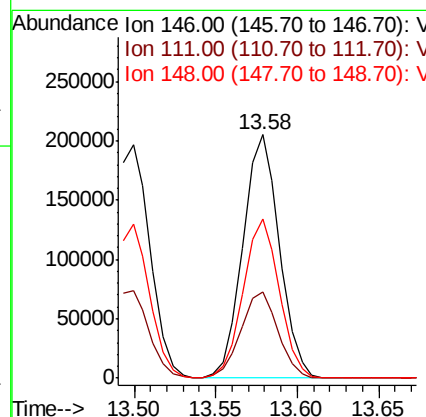
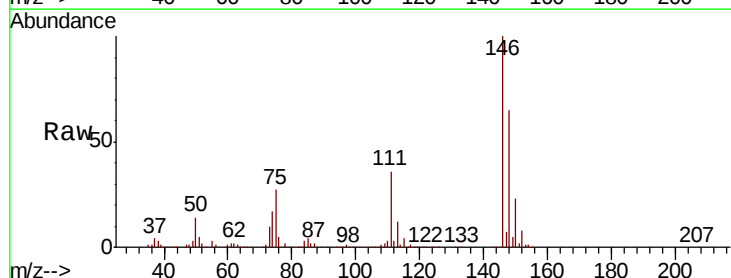
Instrument :
 MSVOA_W
 ClientSampled :

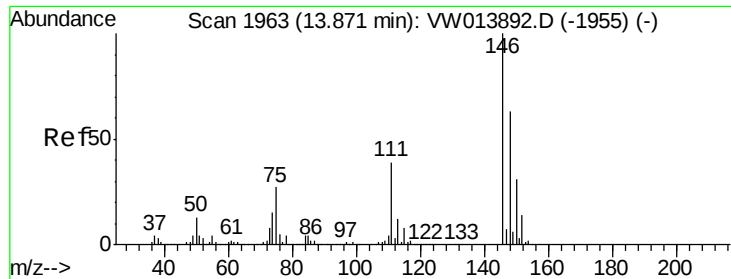
Tot Ion:146 Resp: 318878
 Ion Ratio Lower Upper
 146 100
 111 37.6 27.4 51.0
 148 65.8 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 25.290 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

Tgt Ion:146 Resp: 320241
 Ion Ratio Lower Upper
 146 100
 111 35.6 25.9 48.1
 148 65.5 46.3 86.1

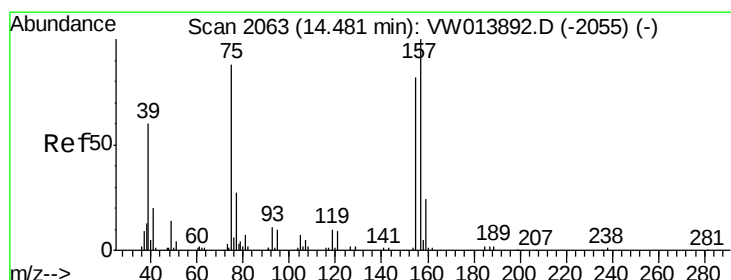
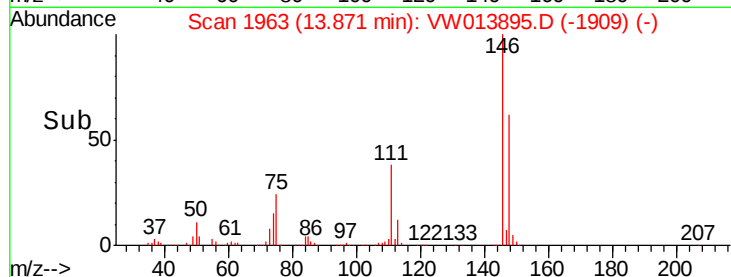
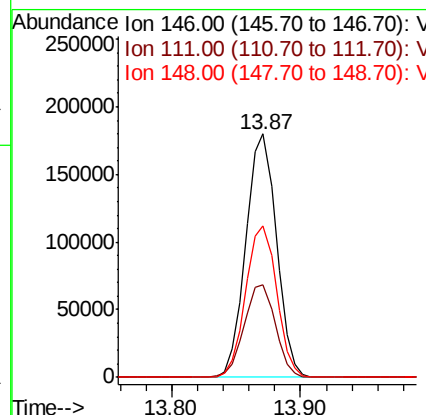
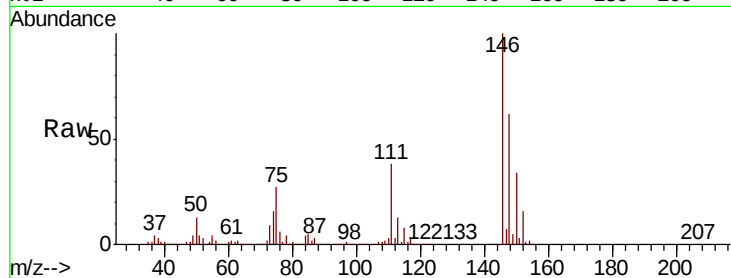




#65
 1,2-Dichlorobenzene
 Concen: 25.846 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

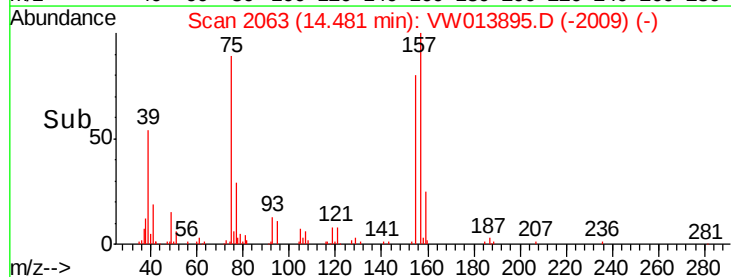
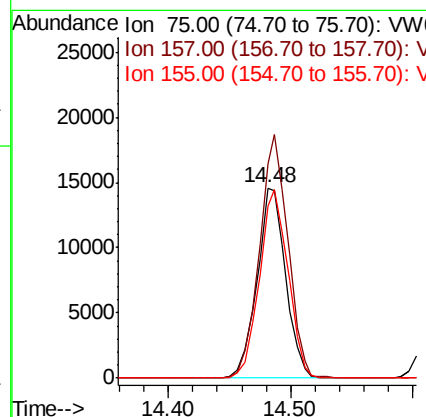
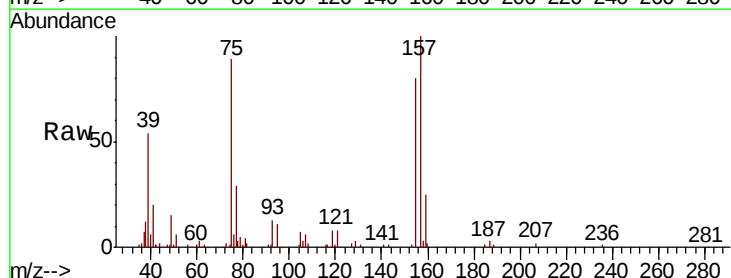
Instrument :
 MSVOA_W
 ClientSampleId :

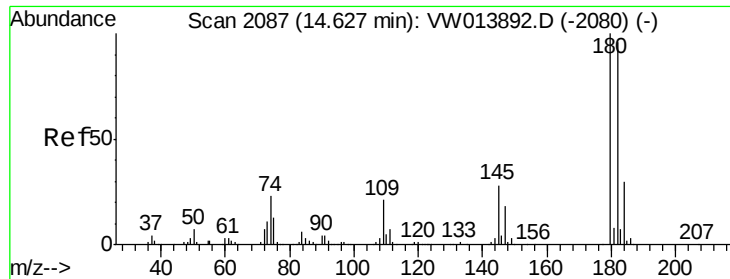
Tot Ion:146 Resp: 295212
 Ion Ratio Lower Upper
 146 100
 111 38.0 31.6 47.4
 148 62.2 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.984 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

Tgt Ion: 75 Resp: 23775
 Ion Ratio Lower Upper
 75 100
 157 112.8 91.0 136.6
 155 90.3 74.7 112.1

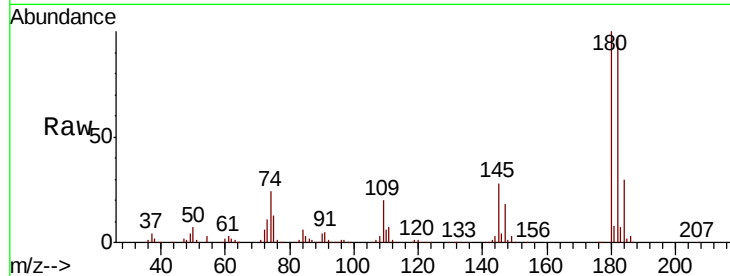




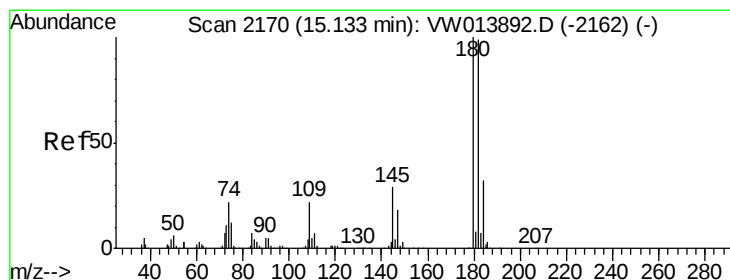
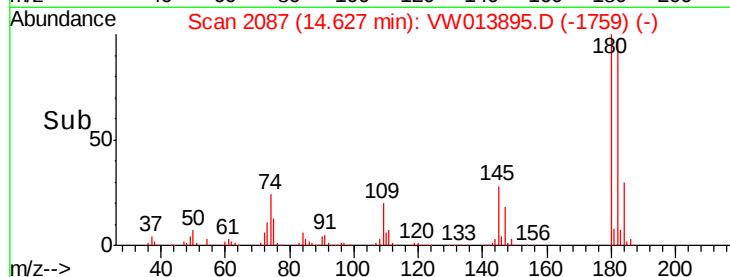
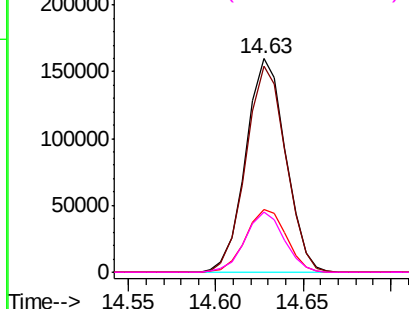
#67
 1,3,5-Trichlorobenzene
 Concen: 26.652 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	253575
Ion Ratio	Lower	Upper
180	100	
182	96.5	76.8 115.2
184	29.9	23.8 35.8
145	27.4	21.9 32.9

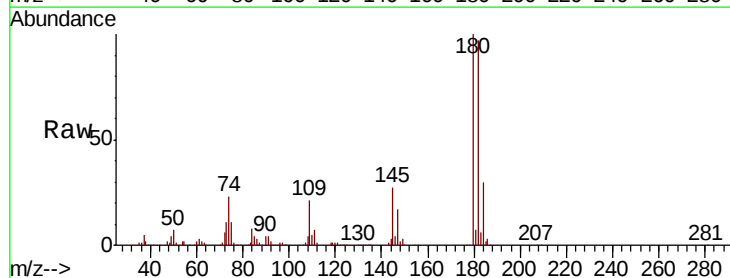


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

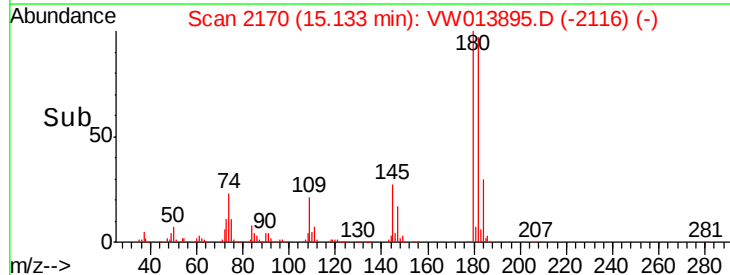
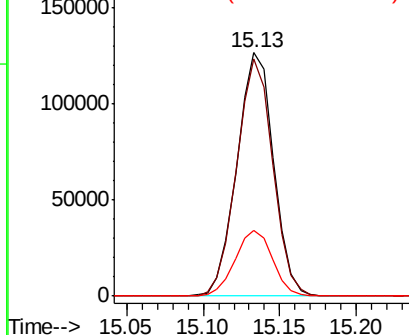


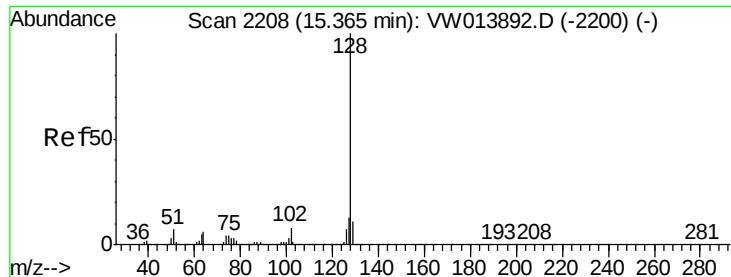
#68
 1,2,4-trichlorobenzene
 Concen: 27.253 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013895.D
 Acq: 01 Nov 2019 13:00

Tgt Ion:180	Resp:	209914
Ion Ratio	Lower	Upper
180	100	
182	96.3	78.9 118.3
145	27.7	22.7 34.1



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





#69

Naphthalene

Concen: 29.166 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

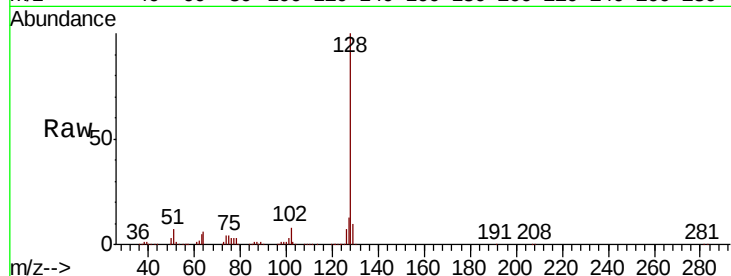
Tot Ion:128 Resp: 426204

Ion Ratio Lower Upper

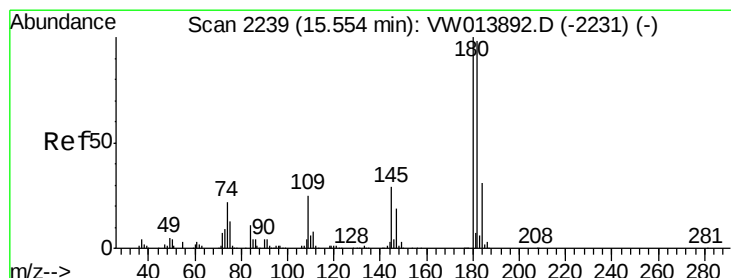
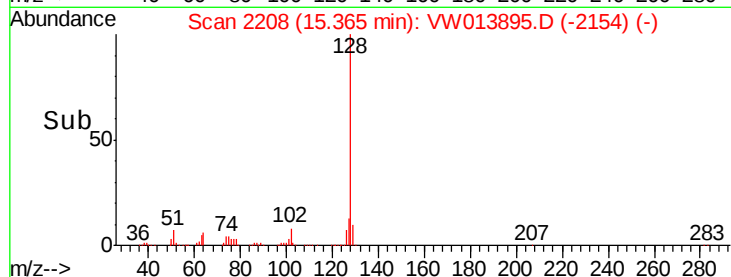
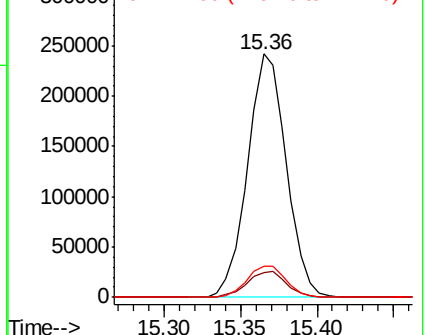
128 100

129 10.8 8.8 13.2

127 13.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.189 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013895.D

Acq: 01 Nov 2019 13:00

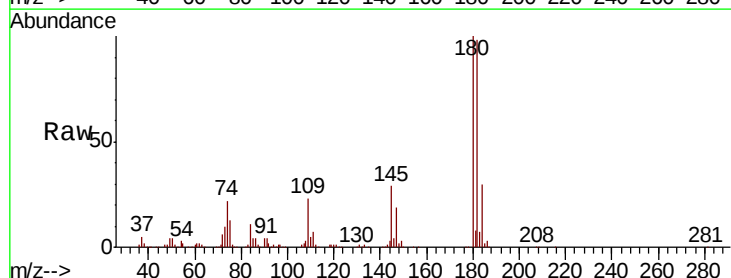
Tgt Ion:180 Resp: 192988

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

145 30.2 24.0 36.0



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

