

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103119\
 Data File : VW013855.D
 Acq On : 31 Oct 2019 13:28
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 01 02:09:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 13:22:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	323397	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	316589	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192344	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	121316	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.56%
7) Chloroethane-d5	2.89	69	99052	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.88%
10) 1,1-Dichloroethene-d2	4.03	63	241195	24.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.92%
20) 2-Butanone-d5	7.07	46	87091	50.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.66%
24) Chloroform-d	7.65	84	245387	24.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.16%
26) 1,2-Dichloroethane-d4	8.31	65	132185	24.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.24%
29) Benzene-d6	8.27	84	521297	25.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.64%
33) 1,2-Dichloropropane-d6	9.27	67	155000	25.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.84%
37) Toluene-d8	10.32	98	497790	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.52%
38) trans-1,3-Dichloropropene-	10.58	79	71789	25.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.12%
39) 2-Hexanone-d5	10.92	63	72064	50.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138790	24.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	186623	25.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	77710	21.733	ug/L	96
3) Chloromethane	2.21	50	85148	22.151	ug/L	96
5) Vinyl chloride	2.37	62	121157	22.230	ug/L	95
6) Bromomethane	2.78	94	75351	21.944	ug/L	98
8) Chloroethane	2.92	64	69705	22.647	ug/L	97
9) Trichlorofluoromethane	3.25	101	57740	24.297	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	120130	22.499	ug/L	98
12) 1,1-Dichloroethene	4.04	96	122978	22.968	ug/L	93
13) Acetone	4.12	43	61288	37.847	ug/L	99
14) Carbon disulfide	4.39	76	357706	22.986	ug/L	99
15) Methyl Acetate	4.67	43	64653	21.683	ug/L	100
16) Methylene chloride	4.92	84	132805	21.006	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	154259	23.137	ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	126355	22.530	ug/L	98
19) 1,1-Dichloroethane	6.21	63	214670	22.377	ug/L	99
21) 2-Butanone	7.17	43	97284	41.867	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	136628	22.759	ug/L	99

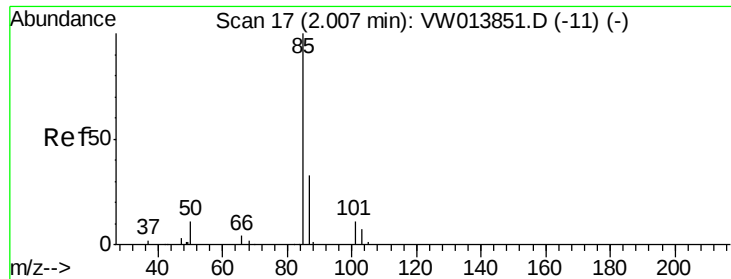
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103119\
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 13:22:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	62307	22.232	ug/L	93
25) Chloroform	7.68	83	215166	22.341	ug/L	99
27) 1,2-Dichloroethane	8.40	62	141783	22.383	ug/L	100
30) Cyclohexane	7.96	56	216326	23.805	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	169828	23.406	ug/L	99
32) Carbon tetrachloride	8.07	117	166036	22.989	ug/L	99
34) Benzene	8.32	78	505690	23.034	ug/L	100
35) Trichloroethene	9.09	95	131024	22.613	ug/L	99
36) Methylcyclohexane	9.34	83	236382	23.567	ug/L	99
40) 1,2-Dichloropropane	9.37	63	122809	22.644	ug/L	100
41) Bromodichloromethane	9.65	83	155055	22.764	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	198271	23.286	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	186457	44.555	ug/L	99
44) Toluene	10.39	91	550705	23.231	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	161534	23.262	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96427	22.051	ug/L	98
47) Tetrachloroethene	10.86	164	121794	23.406	ug/L	97
49) 2-Hexanone	10.97	43	138675	46.308	ug/L	97
50) Dibromochloromethane	11.13	129	117099	23.034	ug/L	100
51) 1,2-Dibromoethane	11.23	107	96525	22.552	ug/L	98
52) Chlorobenzene	11.66	112	348286	22.656	ug/L	99
53) Ethylbenzene	11.73	91	608844	23.268	ug/L	99
54) m,p-Xylene	11.83	106	238308	23.279	ug/L	96
55) o-xylene	12.16	106	226191	23.475	ug/L	100
56) Styrene	12.18	104	392612	23.747	ug/L	96
57) Isopropylbenzene	12.46	105	612826	23.765	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	122827	22.374	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	91359	21.841	ug/L	100
62) Bromoform	12.35	173	76162	22.758	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	290349	23.128	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	289934	22.768	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	271338	23.384	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	20587	22.447	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	227620	23.568	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	188610	24.348	ug/L	98
69) Naphthalene	15.36	128	377295	25.317	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	174733	24.397	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 21.733 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :

MSVOA_W

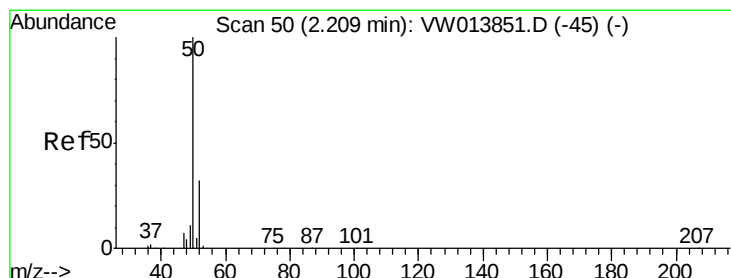
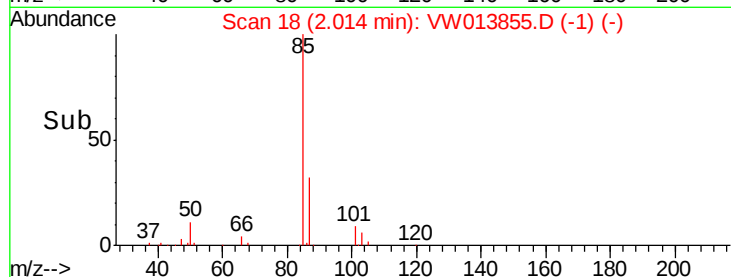
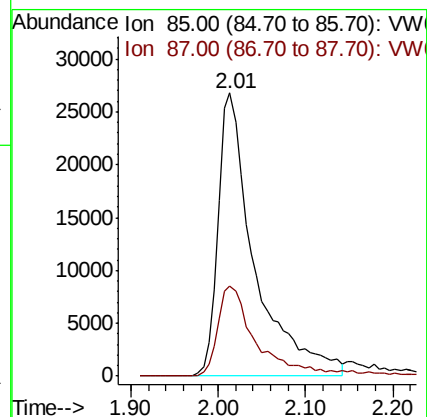
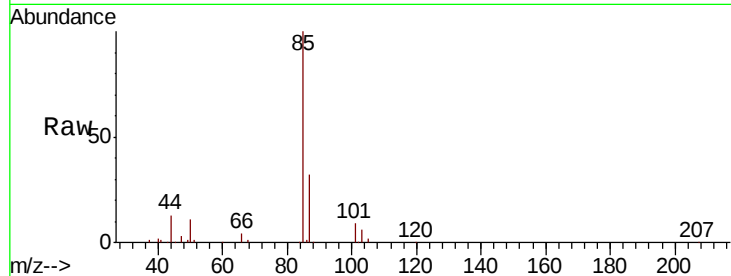
ClientSampled :

Tot Ion: 85 Resp: 77710

Ion Ratio Lower Upper

85 100

87 30.0 22.5 41.7



#3

Chloromethane

Concen: 22.151 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013855.D

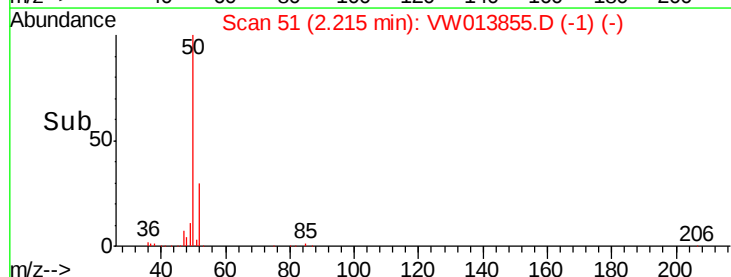
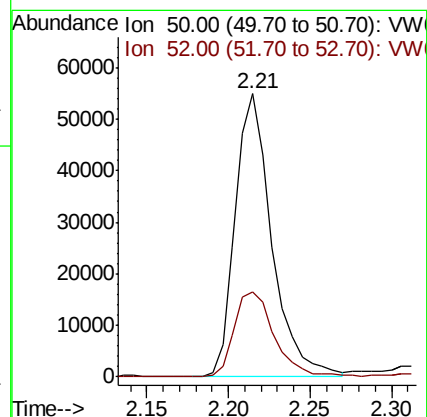
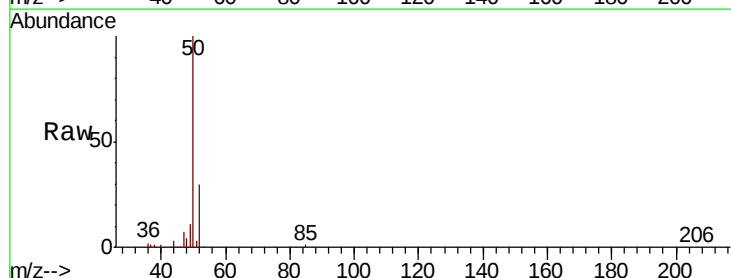
Acq: 31 Oct 2019 13:28

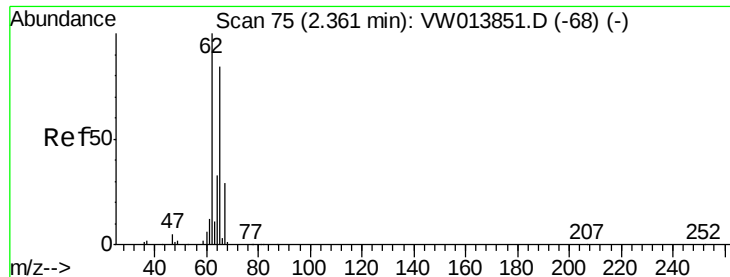
Tgt Ion: 50 Resp: 85148

Ion Ratio Lower Upper

50 100

52 30.2 22.5 41.9





#5

Vinyl chloride

Concen: 22.230 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :

MSVOA_W

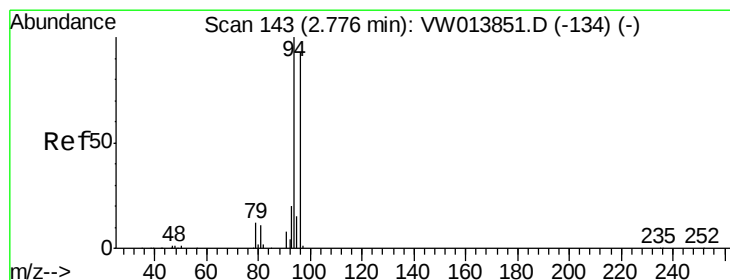
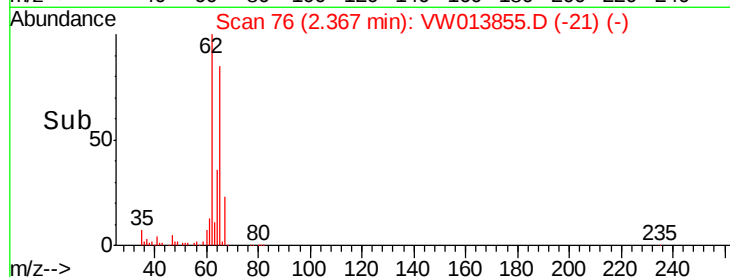
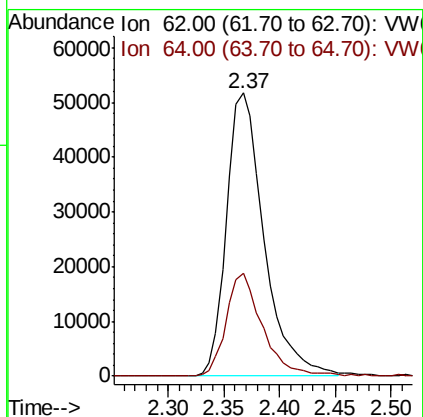
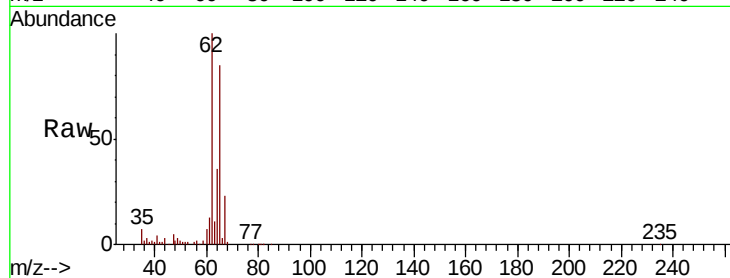
ClientSampled :

Tot Ion: 62 Resp: 121157

Ion Ratio Lower Upper

62 100

64 36.3 23.3 43.3



#6

Bromomethane

Concen: 21.944 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013855.D

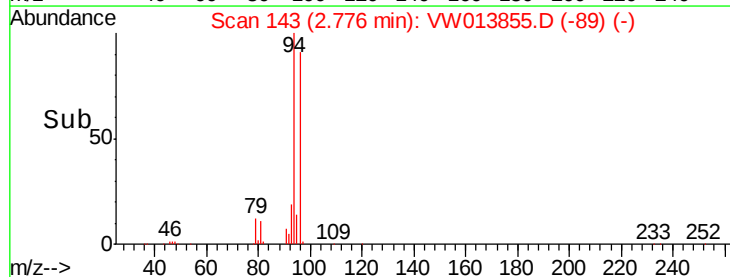
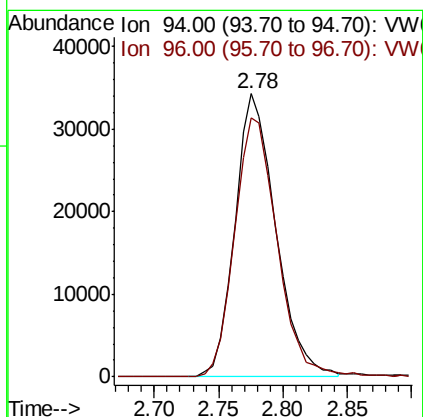
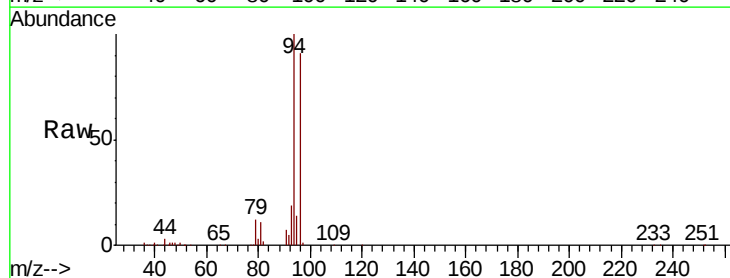
Acq: 31 Oct 2019 13:28

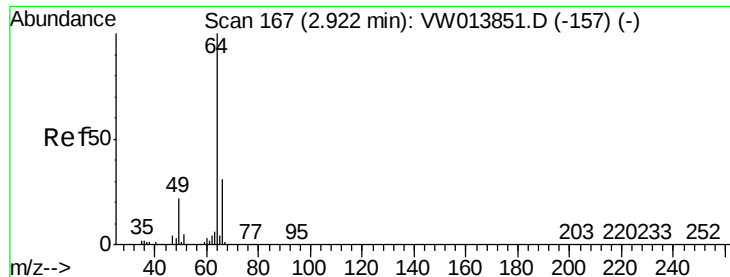
Tgt Ion: 94 Resp: 75351

Ion Ratio Lower Upper

94 100

96 95.0 9.3 177.3





#8

Chloroethane

Concen: 22.647 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :

MSVOA_W

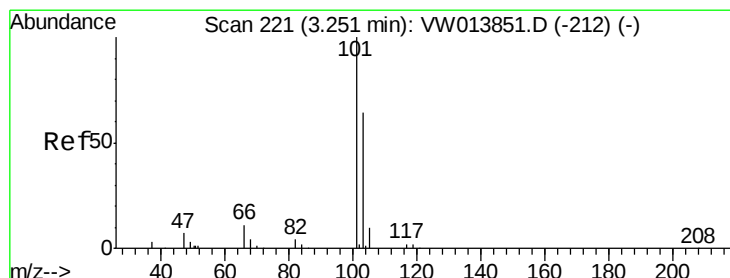
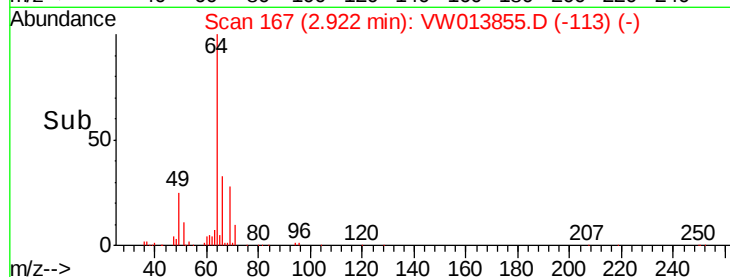
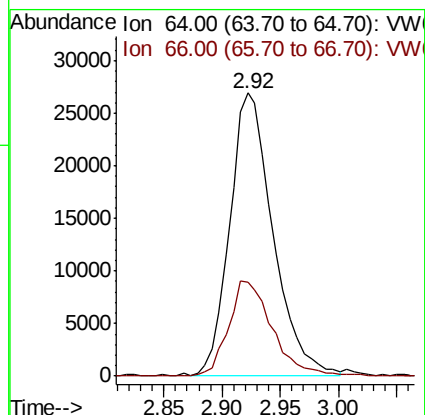
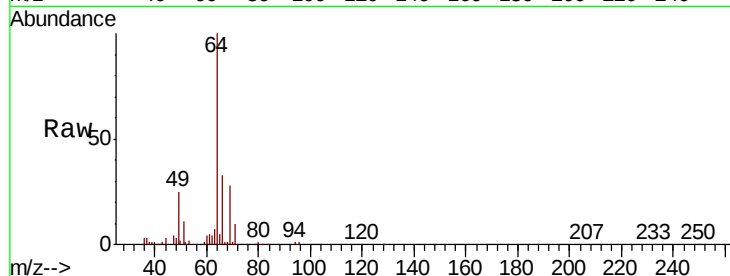
ClientSampled :

Tot Ion: 64 Resp: 69705

Ion Ratio Lower Upper

64 100

66 33.1 22.0 41.0



#9

Trichlorofluoromethane

Concen: 24.297 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.00 min

Lab File: VW013855.D

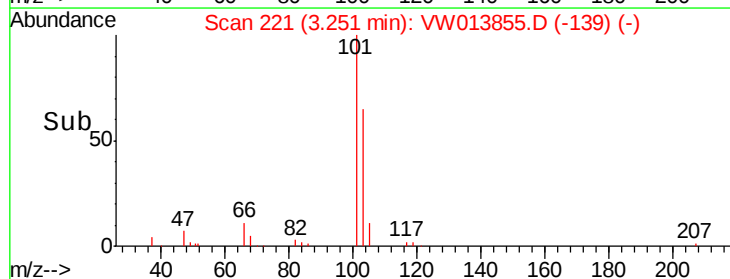
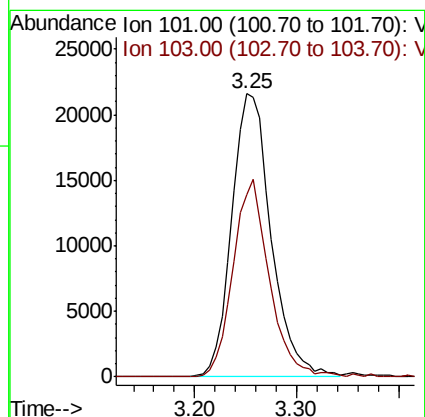
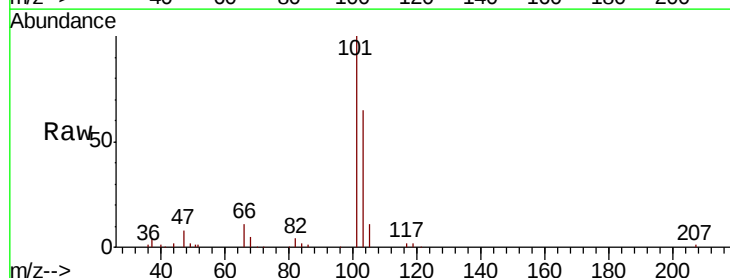
Acq: 31 Oct 2019 13:28

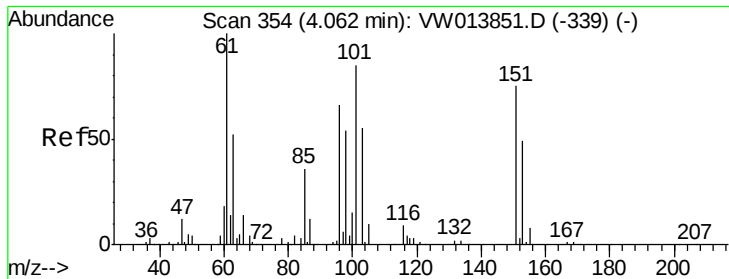
Tgt Ion: 101 Resp: 57740

Ion Ratio Lower Upper

101 100

103 63.7 45.8 85.0





#11

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

Concen: 22.499 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

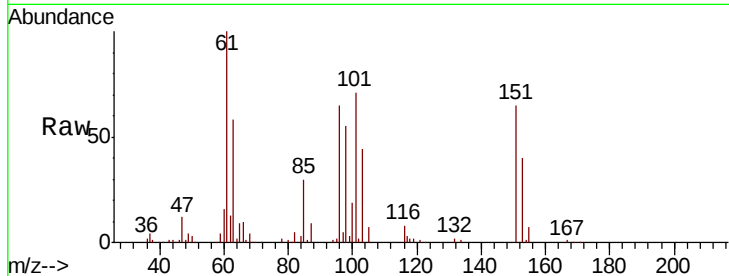
Tot Ion:101 Resp: 120130

Ion Ratio Lower Upper

101 100

85 39.3 32.6 48.8

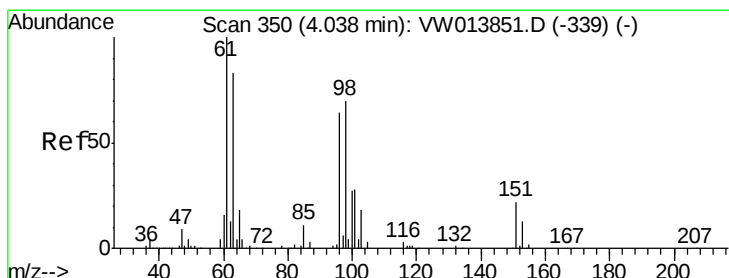
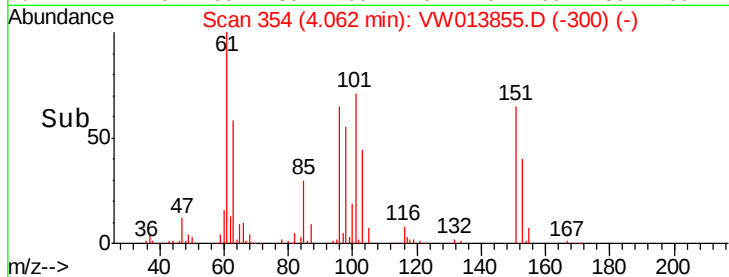
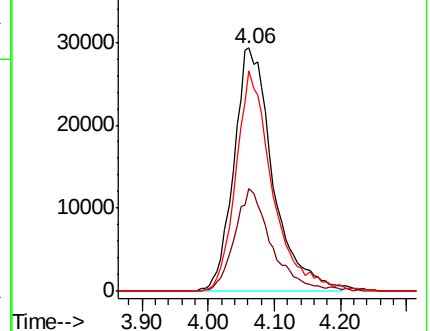
151 84.1 68.2 102.4



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: 22.968 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

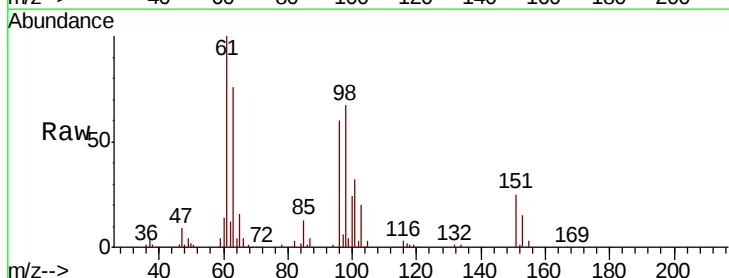
Tgt Ion: 96 Resp: 122978

Ion Ratio Lower Upper

96 100

61 167.6 110.4 205.0

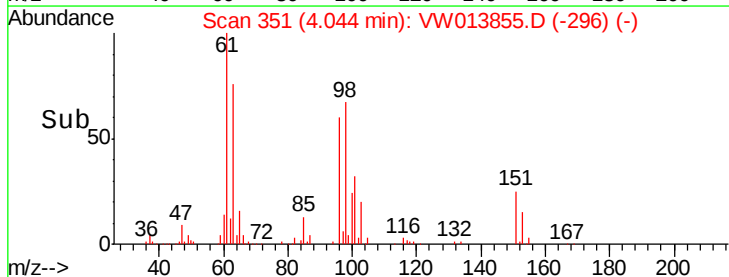
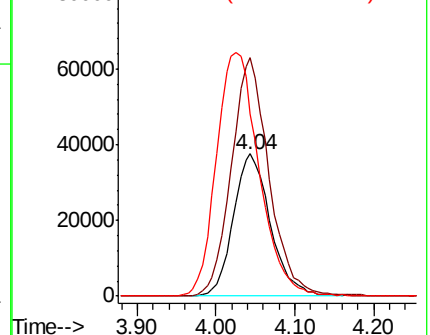
63 127.9 95.5 177.3

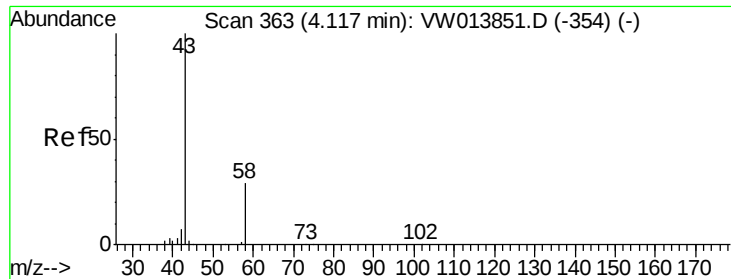


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

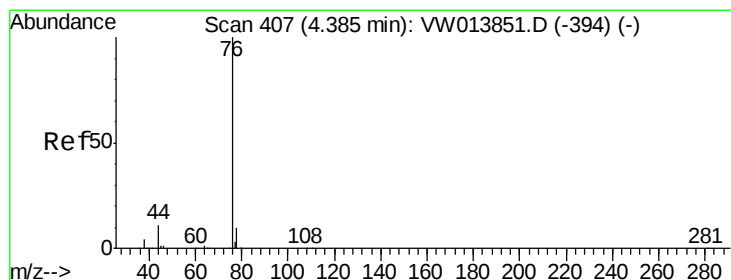
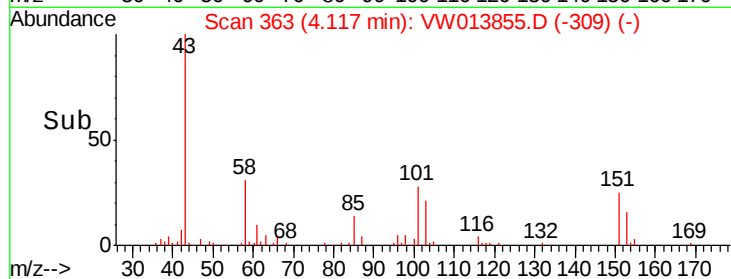
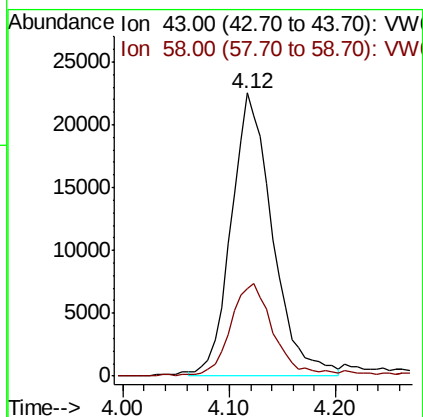
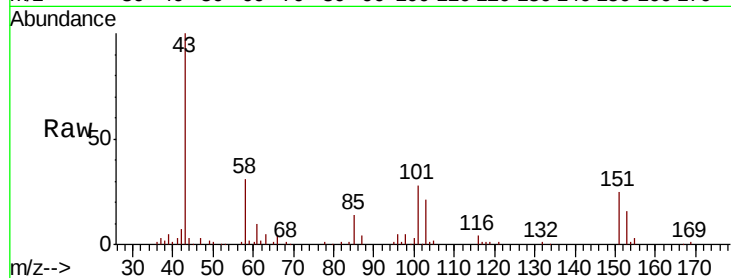




#13
Acetone
Concen: 37.847 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

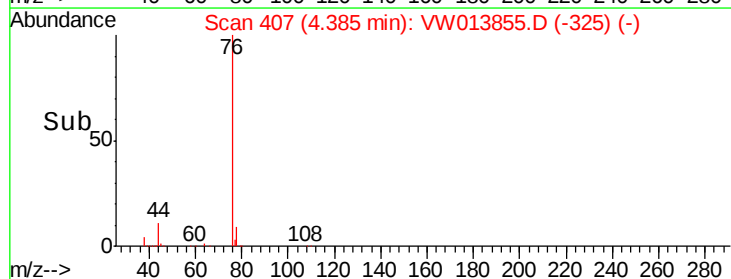
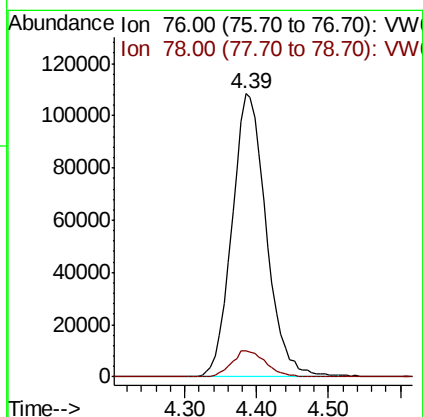
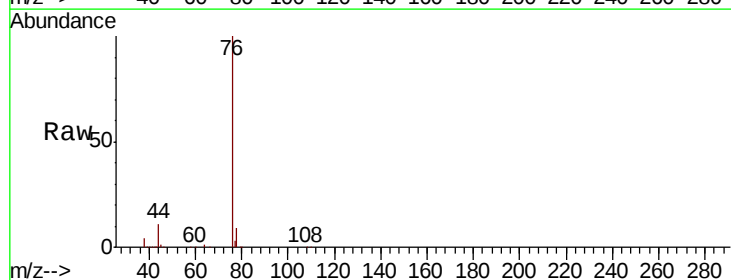
Instrument :
MSVOA_W
ClientSampled :

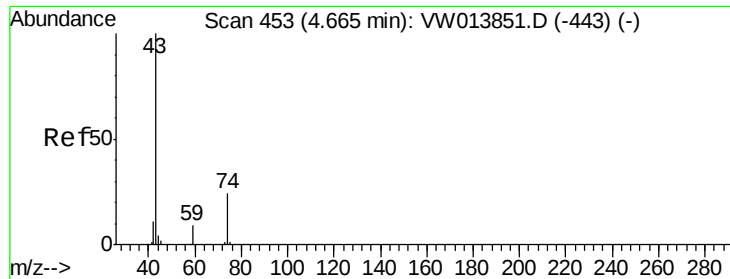
Tot Ion: 43 Resp: 61288
Ion Ratio Lower Upper
43 100
58 31.0 0.0 63.4



#14
Carbon disulfide
Concen: 22.986 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

Tgt Ion: 76 Resp: 357706
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.6

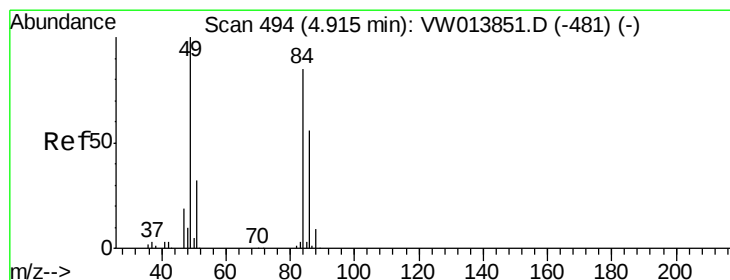
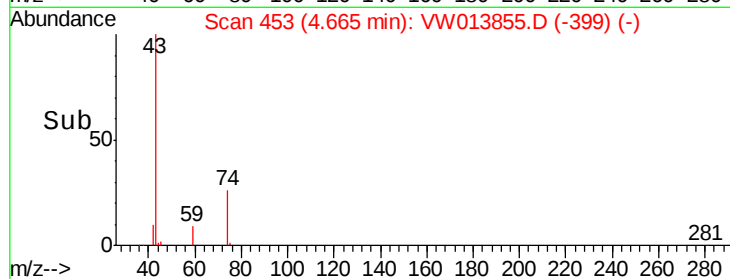
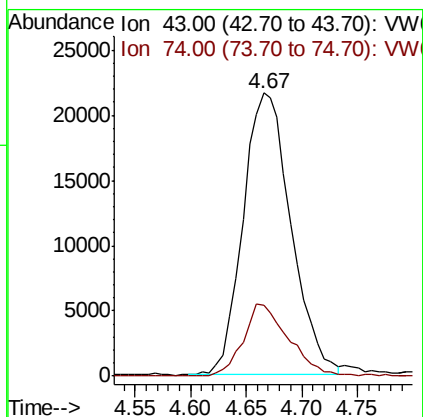
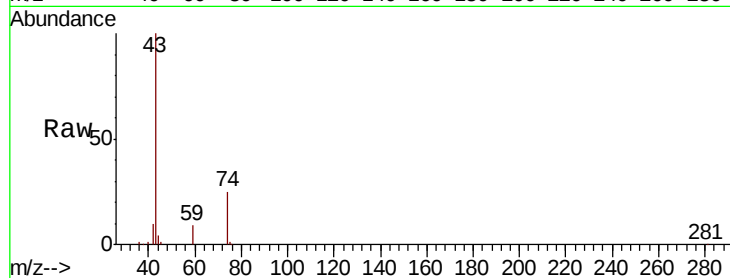




#15
Methyl Acetate
Concen: 21.683 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

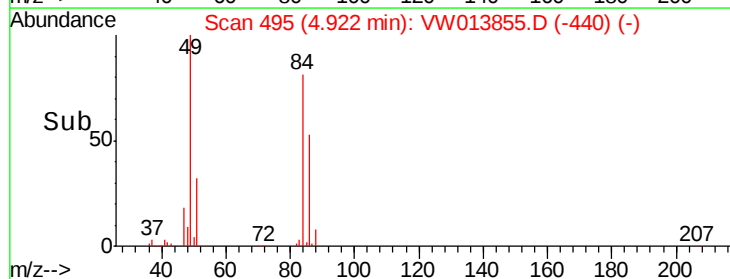
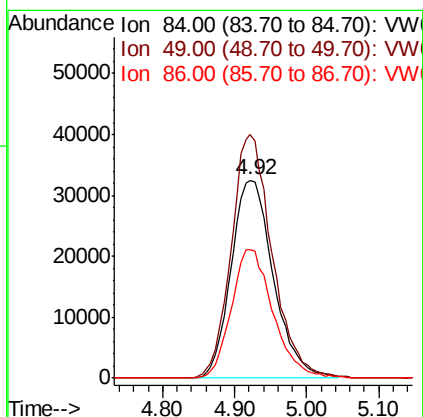
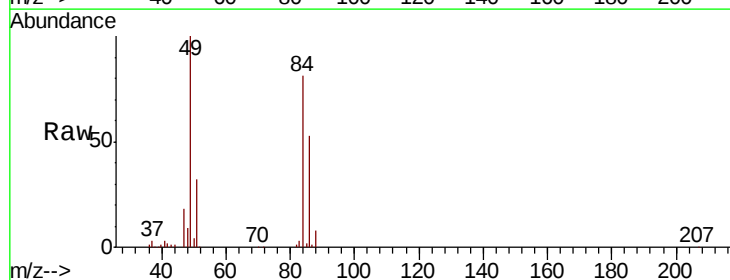
Instrument :
MSVOA_W
ClientSampleId :

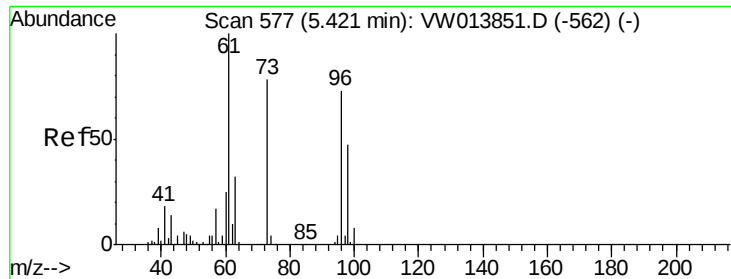
Tot Ion: 43 Resp: 64653
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#16
Methylene chloride
Concen: 21.006 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

Tgt Ion: 84 Resp: 132805
Ion Ratio Lower Upper
84 100
49 123.0 82.2 152.6
86 65.2 45.6 84.8

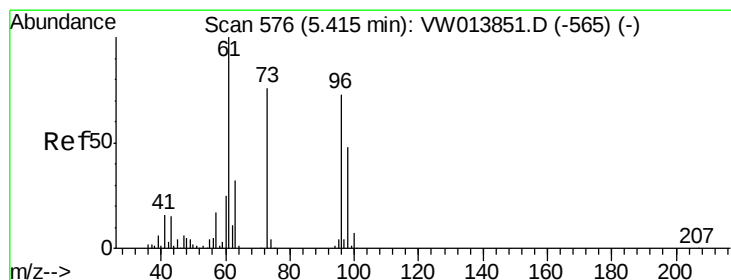
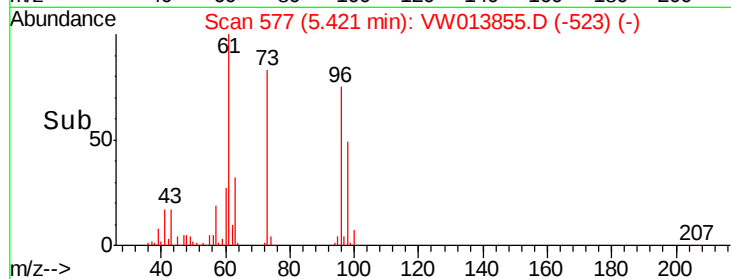
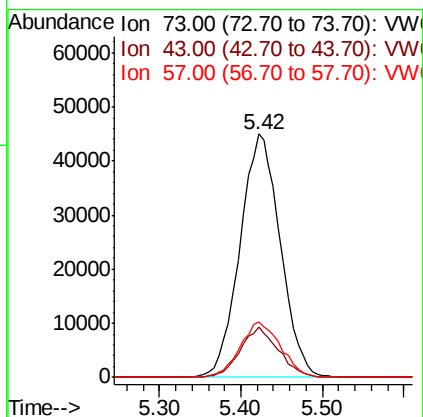
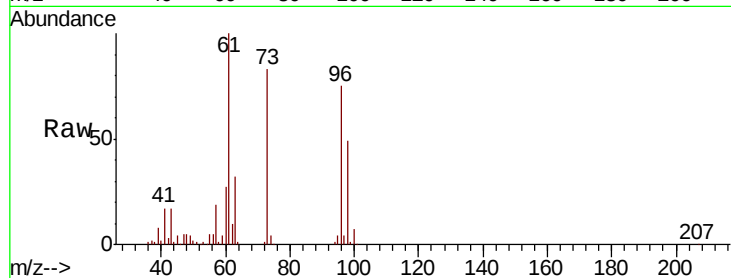




#17
Methvl tert-butvl Ether
Concen: 23.137 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

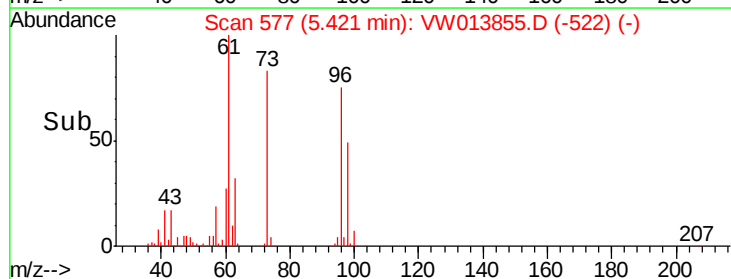
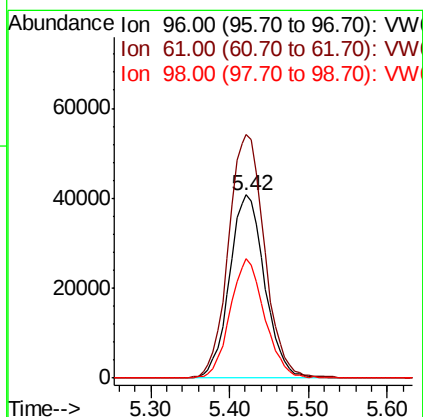
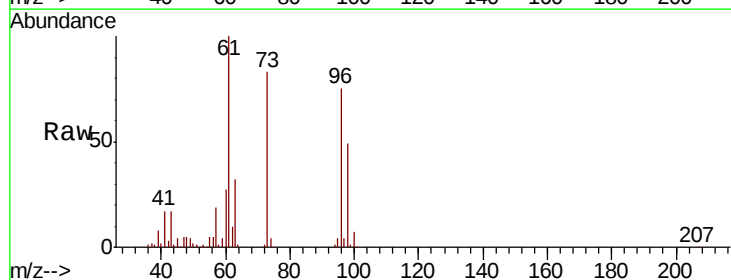
Instrument :
MSVOA_W
ClientSampled :

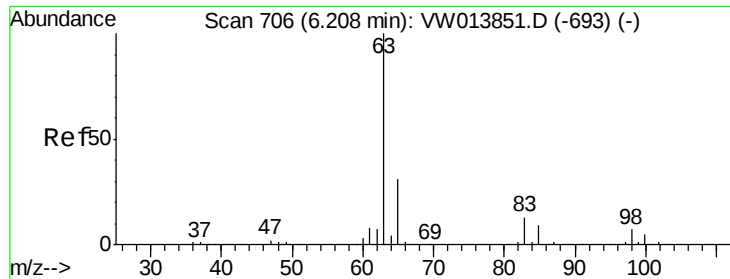
Tot Ion: 73 Resp: 154259
Ion Ratio Lower Upper
73 100
43 19.5 15.3 22.9
57 22.7 9.4 14.2#



#18
trans-1,2-Dichloroethene
Concen: 22.530 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

Tgt Ion: 96 Resp: 126355
Ion Ratio Lower Upper
96 100
61 133.2 95.5 177.4
98 65.2 45.4 84.4

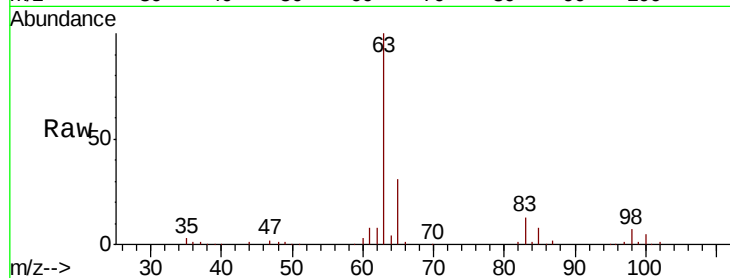




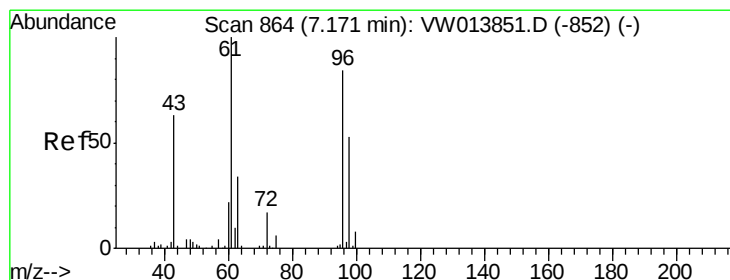
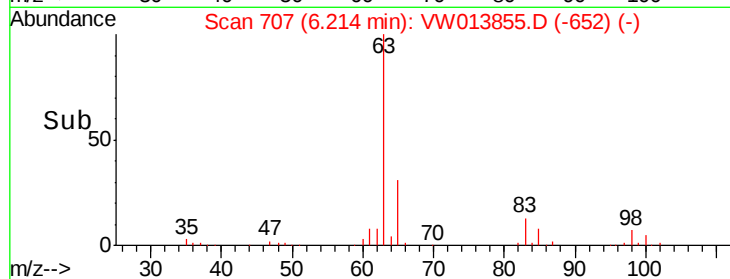
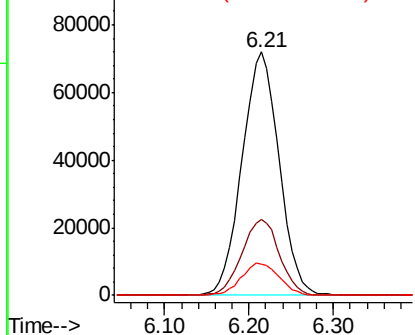
#19
 1,1-Dichloroethane
 Concen: 22.377 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 214670
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.0 40.8
 83 12.7 9.1 16.9

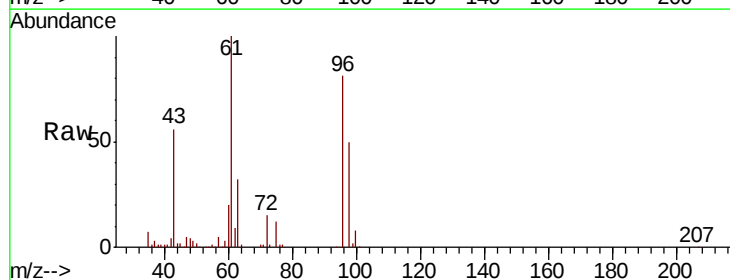


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

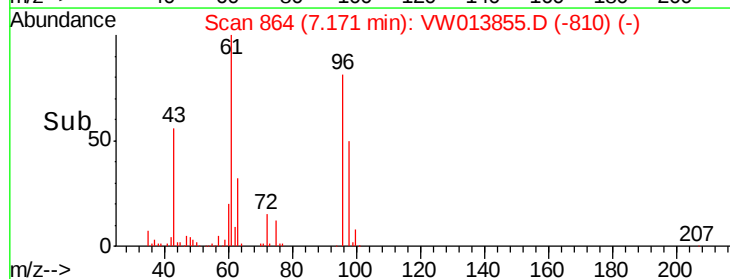
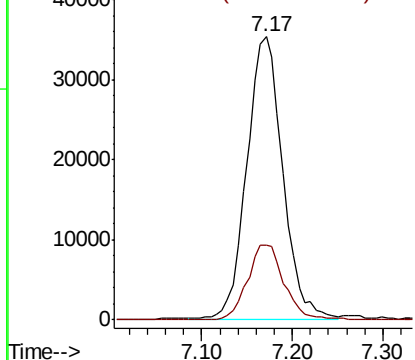


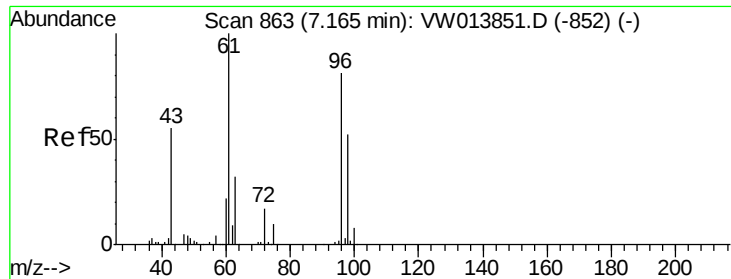
#21
 2-Butanone
 Concen: 41.867 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

Tgt Ion: 43 Resp: 97284
 Ion Ratio Lower Upper
 43 100
 72 26.9 14.0 41.9



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

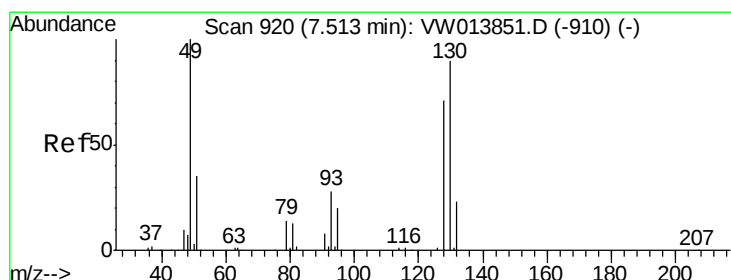
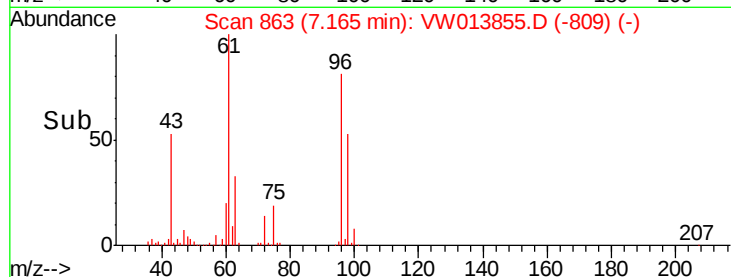
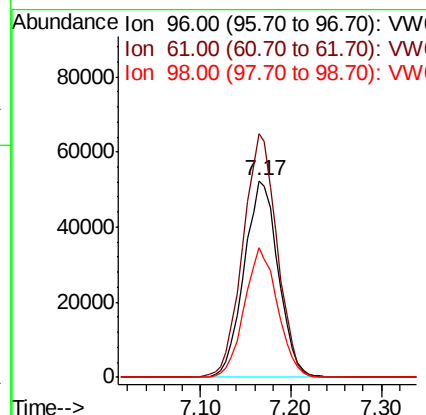
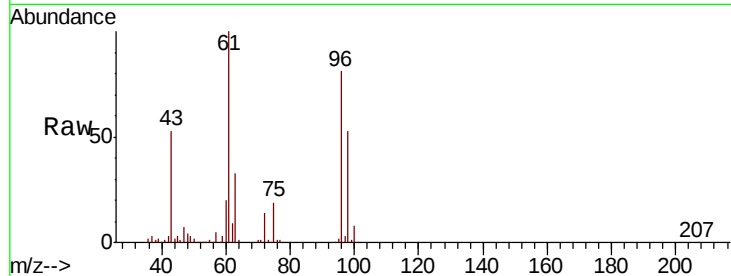




#22
 cis-1,2-Dichloroethene
 Concen: 22.759 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

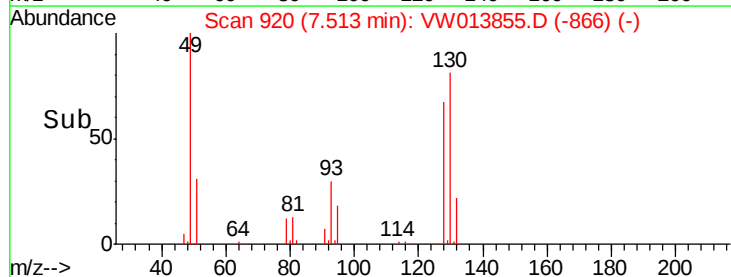
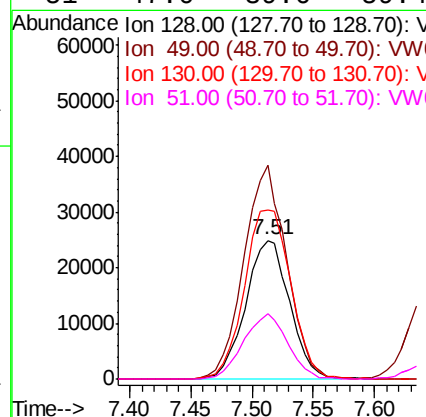
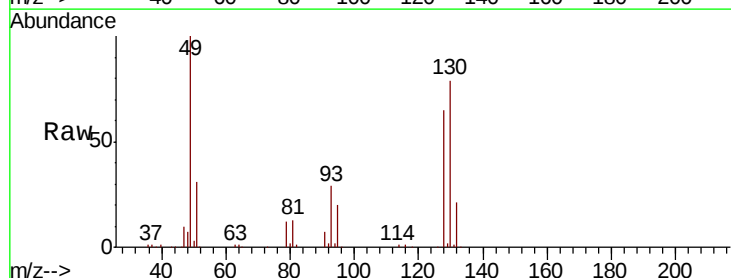
Instrument :
 MSVOA_W
 ClientSampleId :

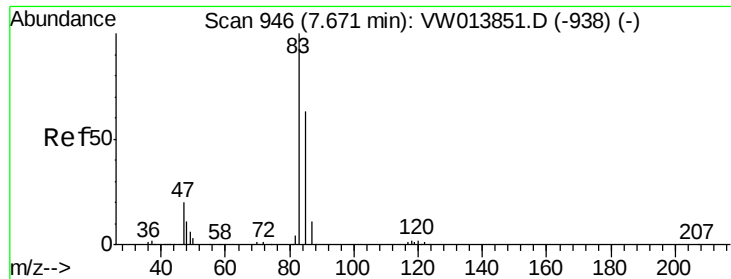
Tot Ion: 96 Resp: 136628
 Ion Ratio Lower Upper
 96 100
 61 123.7 86.6 160.8
 98 66.2 44.5 82.7



#23
 Bromochloromethane
 Concen: 22.232 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

Tgt Ion: 128 Resp: 62307
 Ion Ratio Lower Upper
 128 100
 49 153.9 99.1 184.1
 130 121.4 88.8 164.8
 51 47.0 39.6 59.4





#25

Chloroform

Concen: 22.341 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :

MSVOA_W

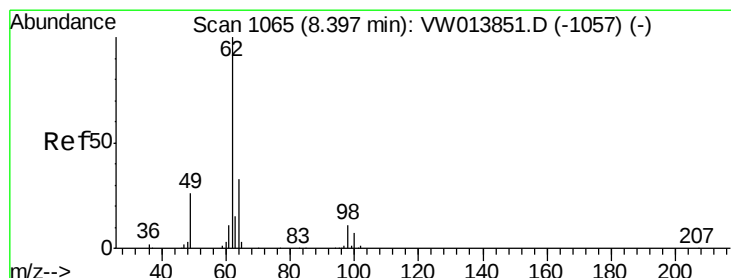
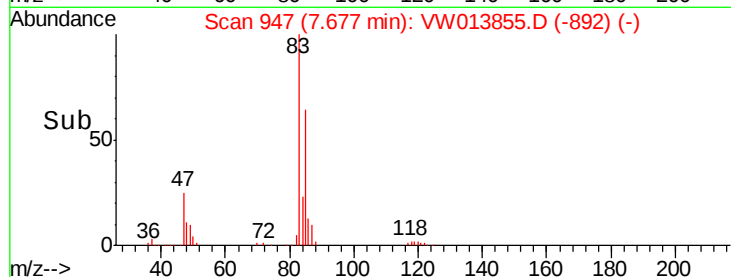
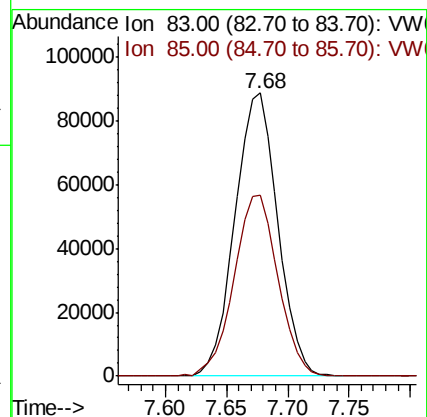
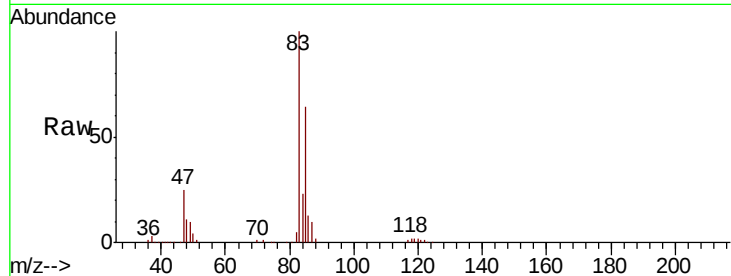
ClientSampleId :

Tot Ion: 83 Resp: 215166

Ion Ratio Lower Upper

83 100

85 65.6 46.2 85.8



#27

1,2-Dichloroethane

Concen: 22.383 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013855.D

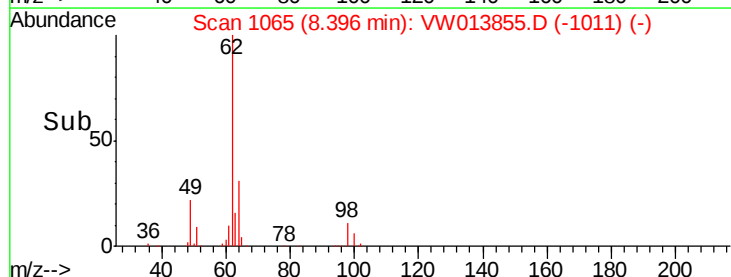
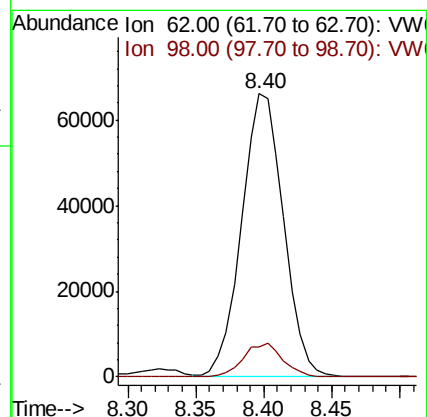
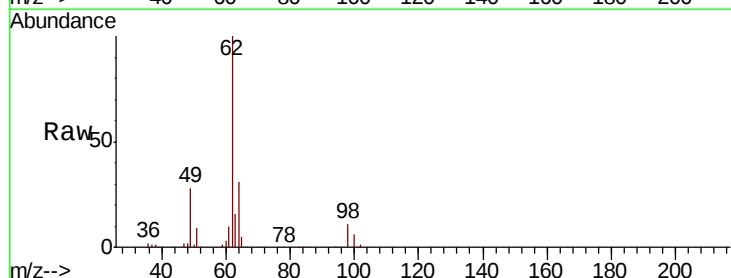
Acq: 31 Oct 2019 13:28

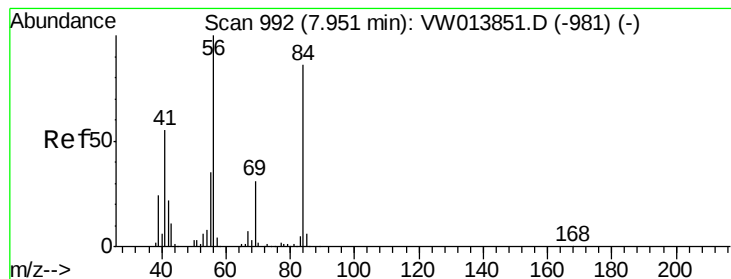
Tgt Ion: 62 Resp: 141783

Ion Ratio Lower Upper

62 100

98 10.6 8.6 12.8





#30

Cvclohexane

Concen: 23.805 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :
MSVOA_W
ClientSampleId :

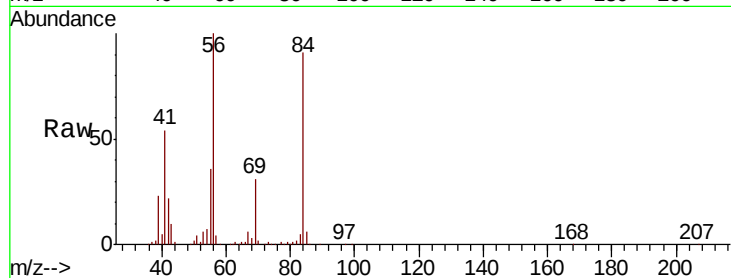
Tot Ion: 56 Resp: 216326

Ion Ratio Lower Upper

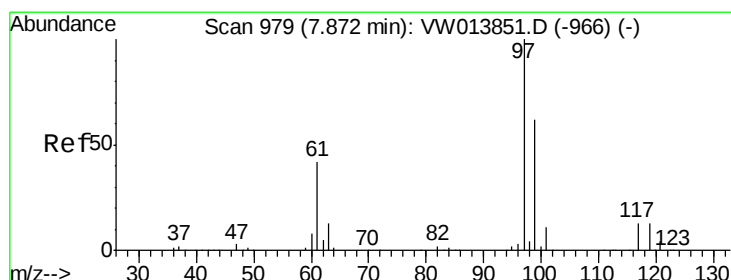
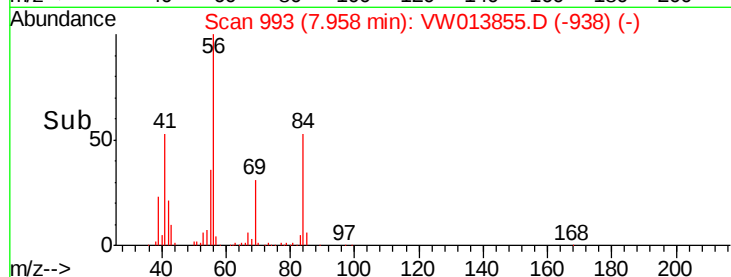
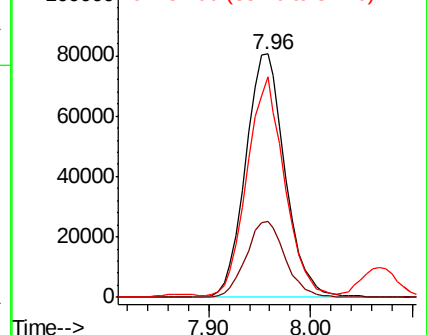
56 100

69 31.1 24.6 36.8

84 86.9 70.2 105.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 23.406 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

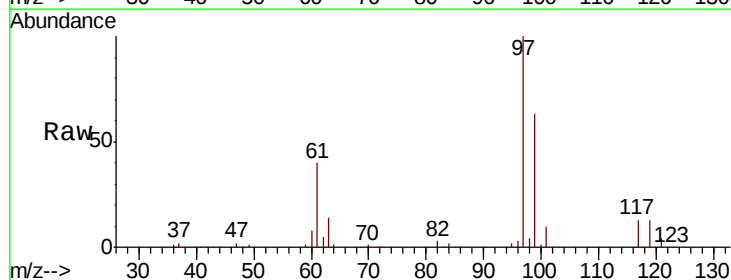
Tgt Ion: 97 Resp: 169828

Ion Ratio Lower Upper

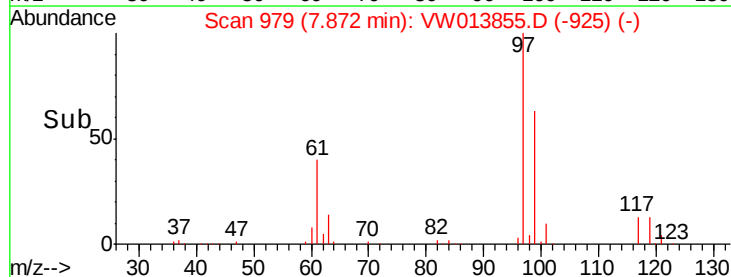
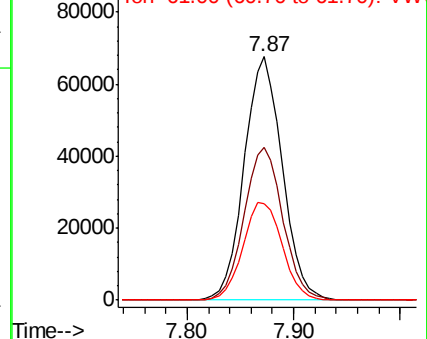
97 100

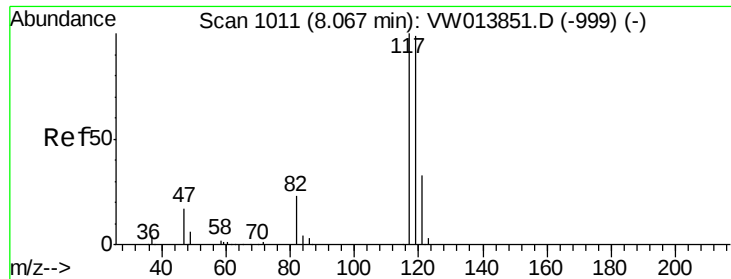
99 63.7 51.3 76.9

61 41.4 33.6 50.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW

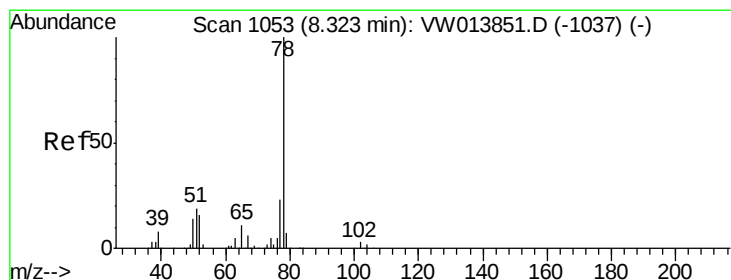
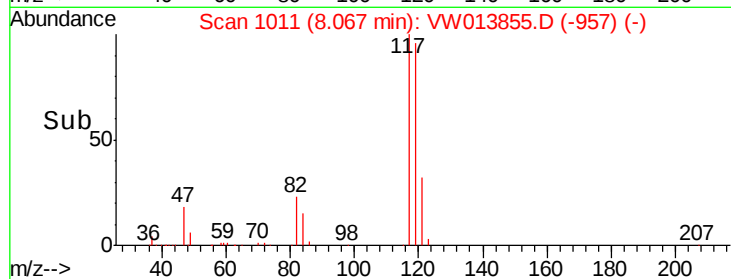
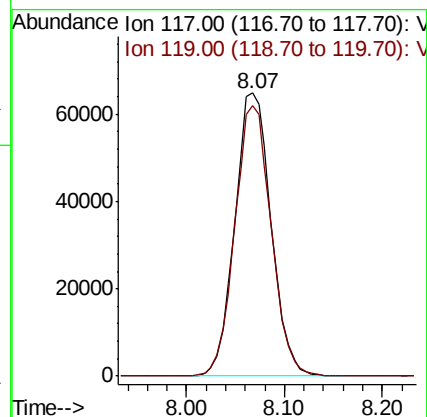
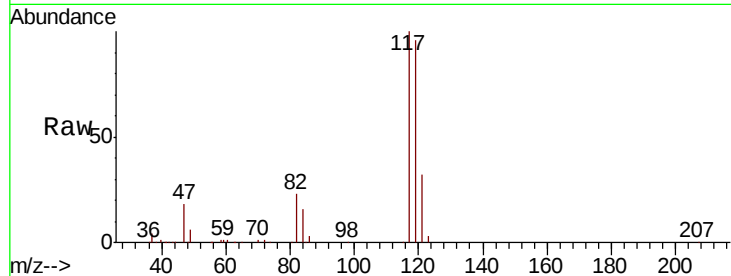




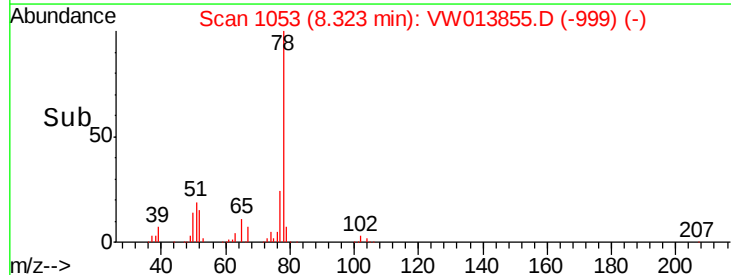
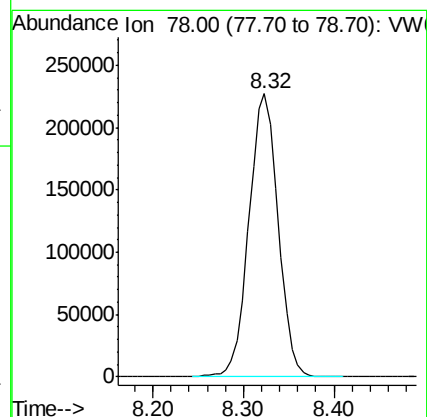
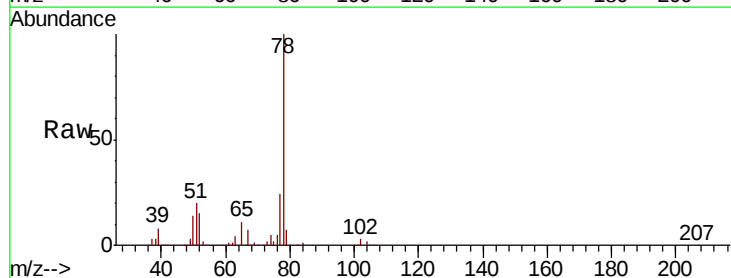
#32
Carbon tetrachloride
Concen: 22.989 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

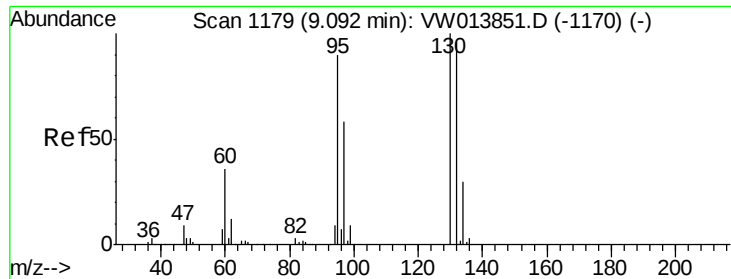
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 166036
Ion Ratio Lower Upper
117 100
119 95.9 75.8 113.6



#34
Benzene
Concen: 23.034 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28
Tgt Ion: 78 Resp: 505690

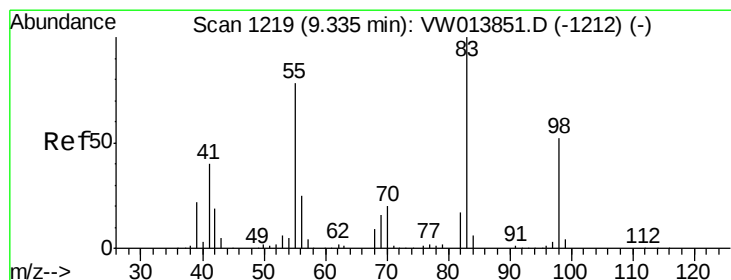
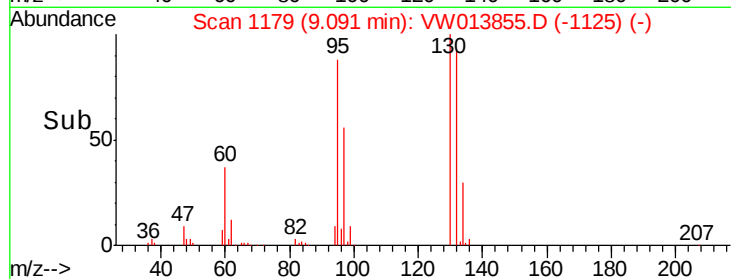
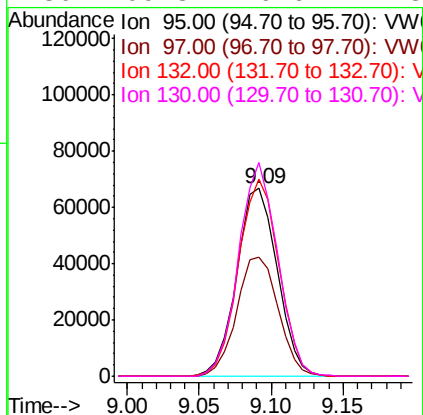
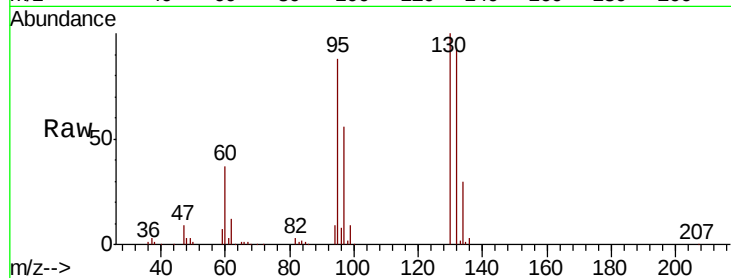




#35
 Trichloroethene
 Concen: 22.613 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

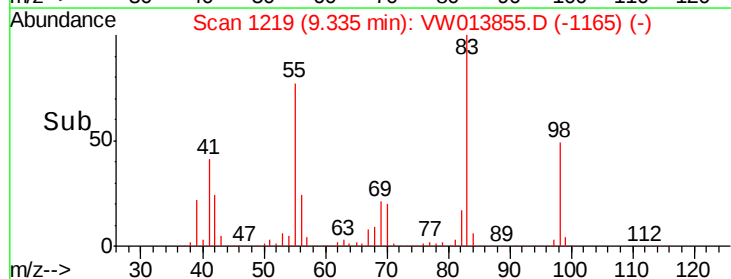
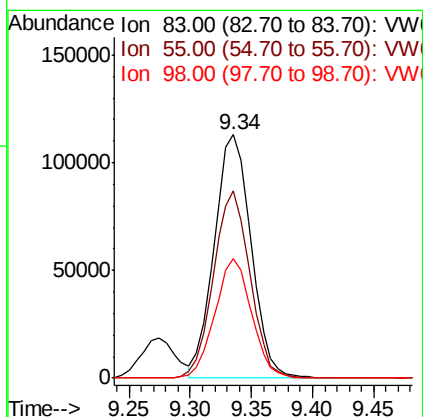
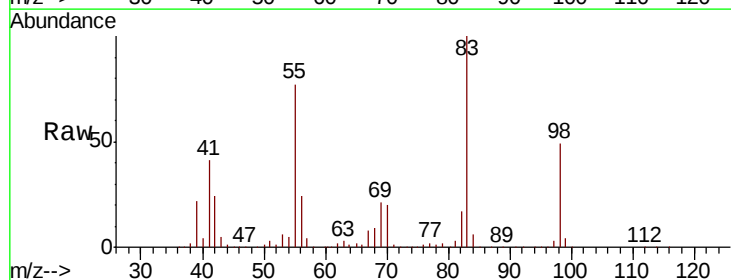
Instrument :
 MSVOA_W
 ClientSampleId :

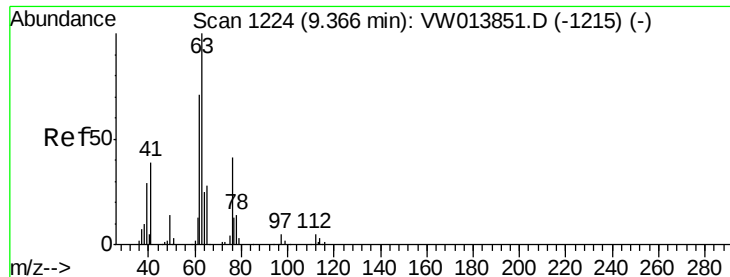
Tot Ion: 95 Resp: 131024
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.0 83.6
 132 104.1 72.4 134.4
 130 109.3 76.6 142.3



#36
 Methylcyclohexane
 Concen: 23.567 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

Tgt Ion: 83 Resp: 236382
 Ion Ratio Lower Upper
 83 100
 55 76.3 60.3 90.5
 98 48.3 39.4 59.2

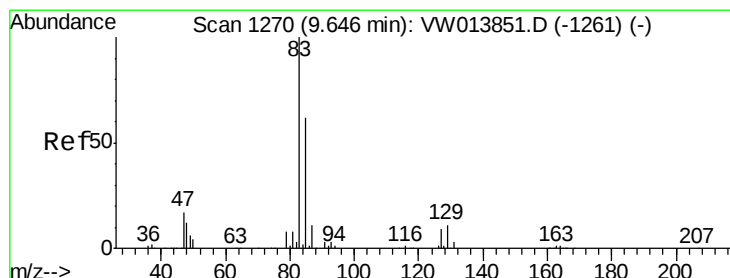
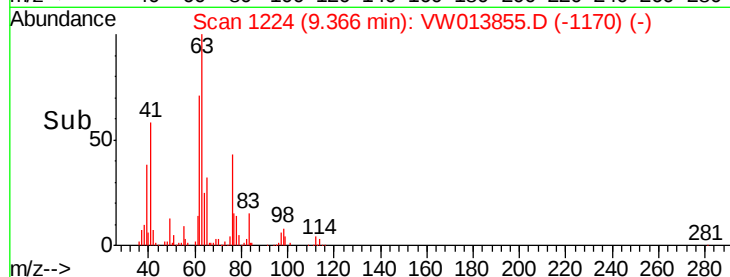
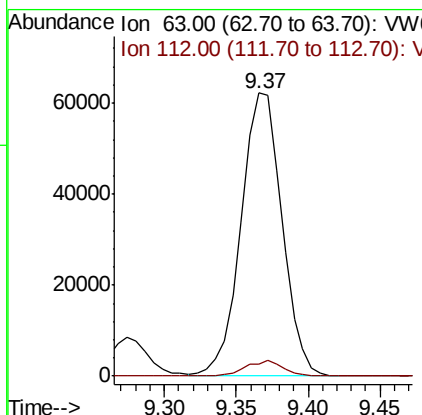
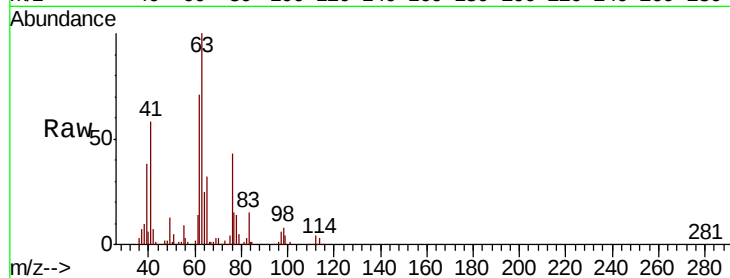




#40
 1,2-Dichloropropane
 Concen: 22.644 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

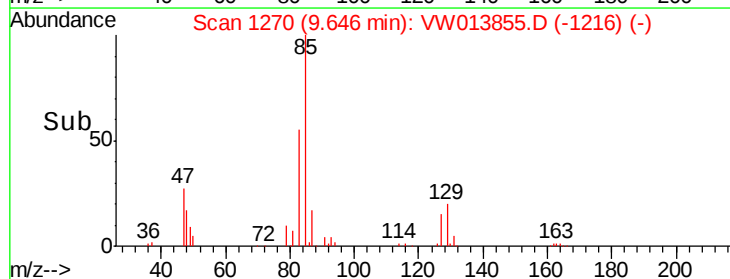
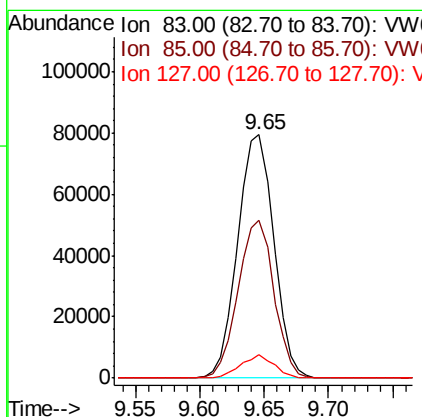
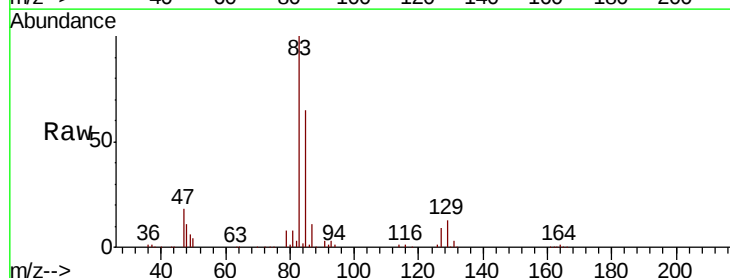
Instrument :
 MSVOA_W
 ClientSampleId :

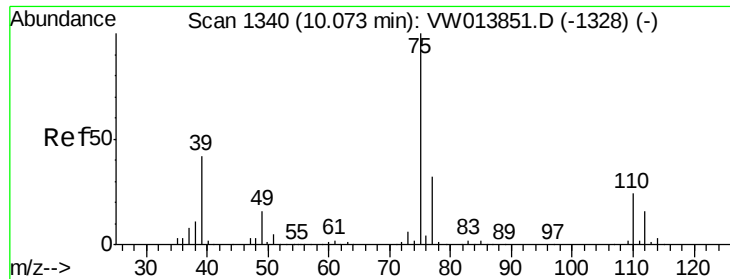
Tot Ion: 63 Resp: 122809
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.1 6.1



#41
 Bromodichloromethane
 Concen: 22.764 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

Tgt Ion: 83 Resp: 155055
 Ion Ratio Lower Upper
 83 100
 85 65.1 43.5 80.7
 127 9.5 6.9 10.3





#42

cis-1,3-Dichloropropene

Concen: 23.286 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :

MSVOA_W

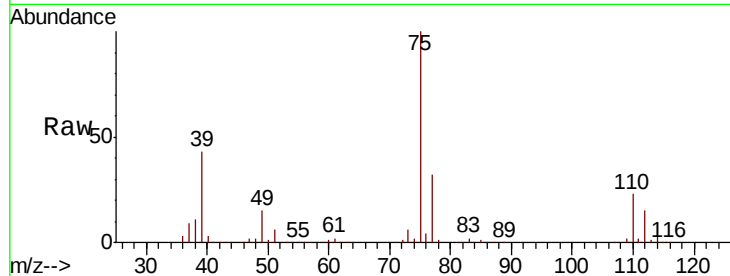
ClientSampleId :

Tot Ion: 75 Resp: 198271

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

120000

100000

80000

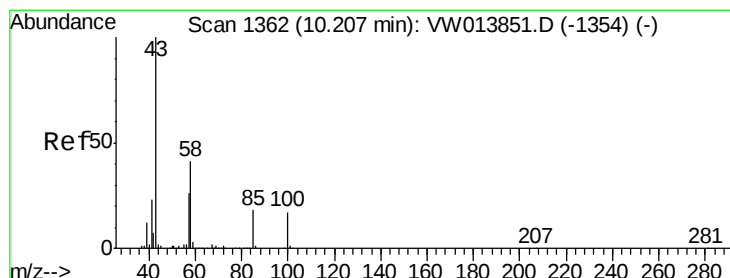
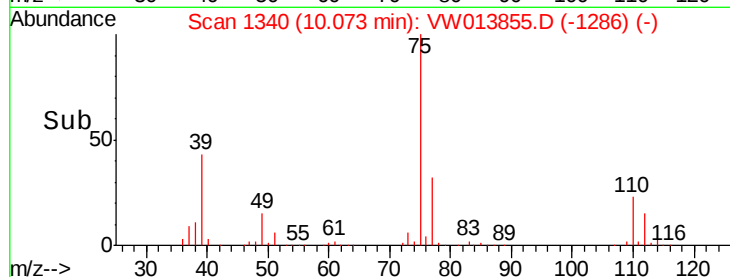
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 44.555 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

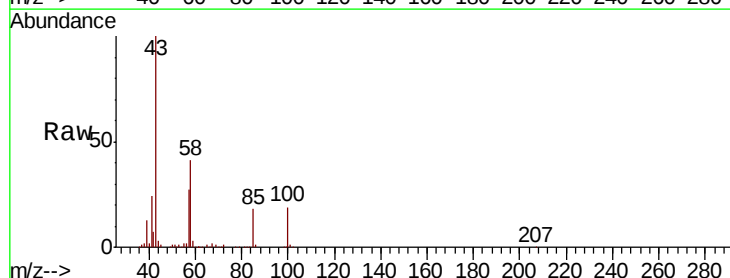
Tgt Ion: 43 Resp: 186457

Ion Ratio Lower Upper

43 100

58 40.4 32.1 48.1

100 17.3 13.4 20.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

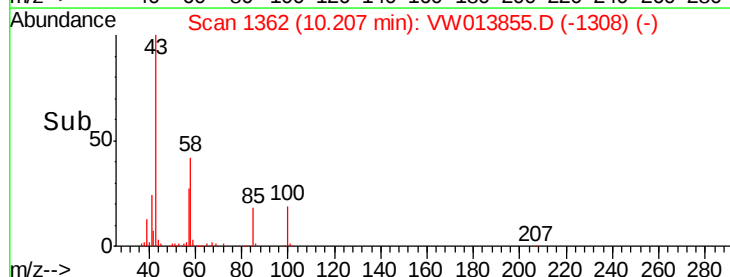
150000

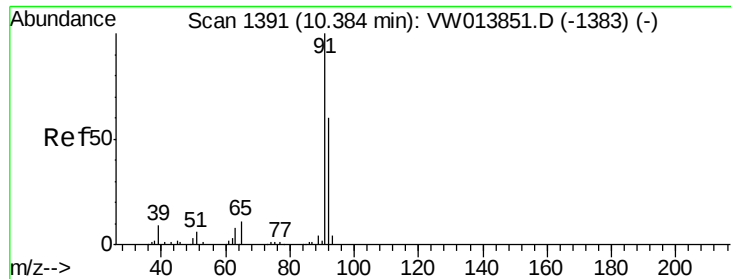
100000

50000

0

Time-->





#44

Toluene

Concen: 23.231 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :

MSVOA_W

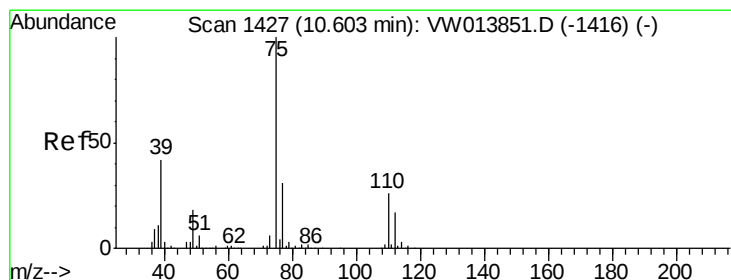
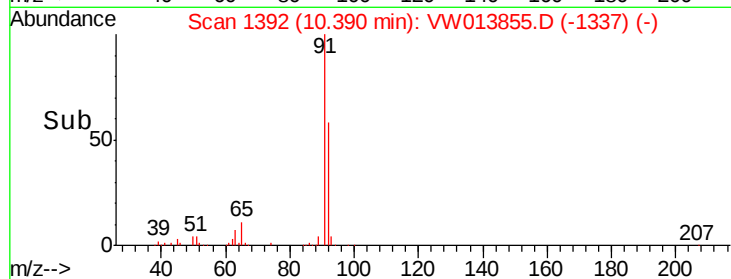
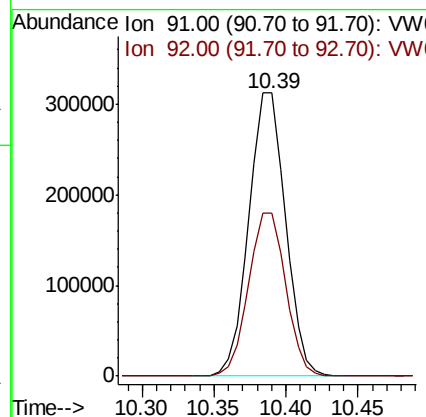
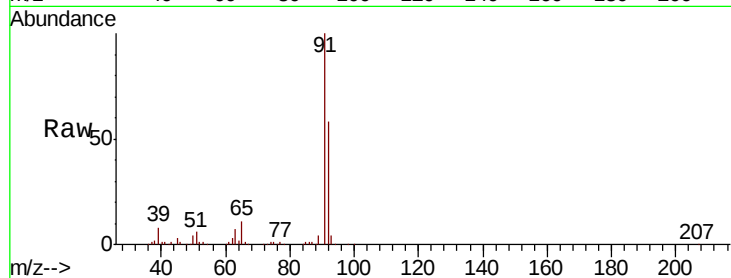
ClientSampleId :

Tot Ion: 91 Resp: 550705

Ion Ratio Lower Upper

91 100

92 57.7 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 23.262 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013855.D

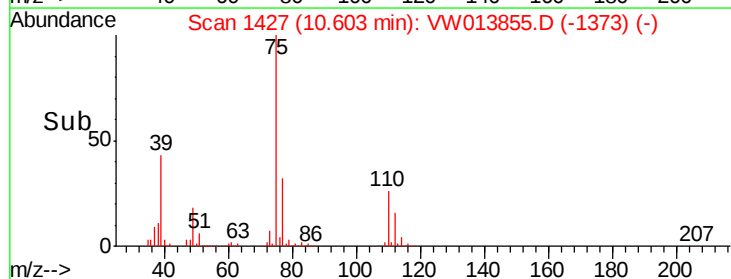
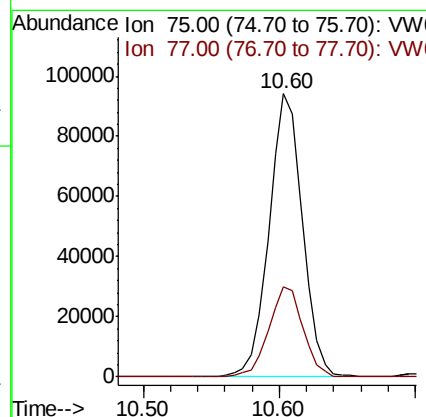
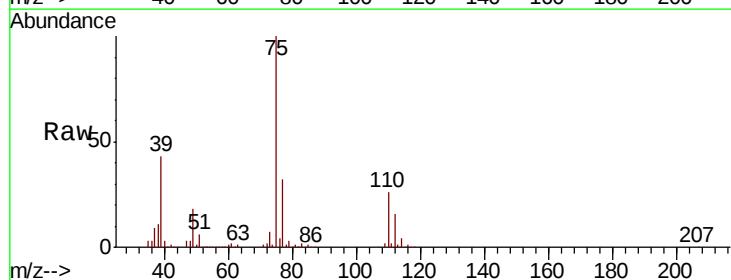
Acq: 31 Oct 2019 13:28

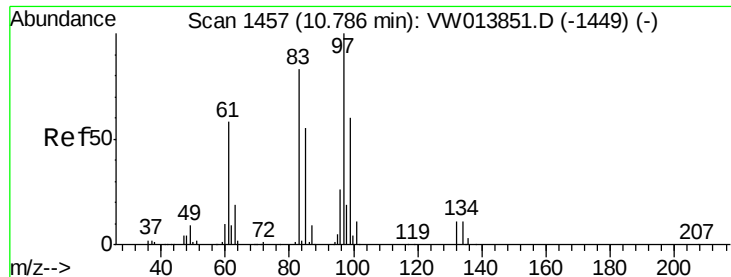
Tgt Ion: 75 Resp: 161534

Ion Ratio Lower Upper

75 100

77 31.8 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 22.051 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 96427

Ion	Ratio	Lower	Upper
97	100		
83	82.4	57.8	107.4
85	57.2	38.3	71.1
99	63.3	42.2	78.4

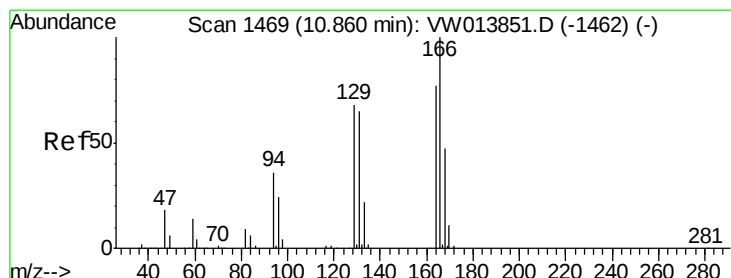
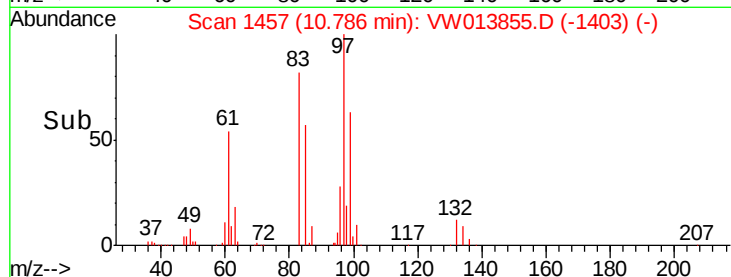
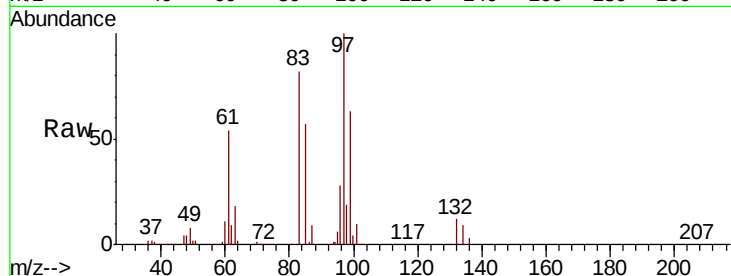
Abundance

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: 23.406 ug/L

RT: 10.86 min Scan# 1469

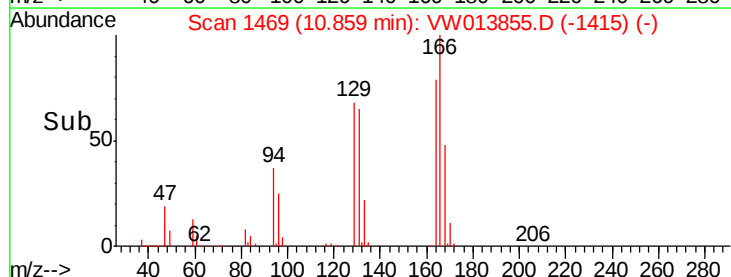
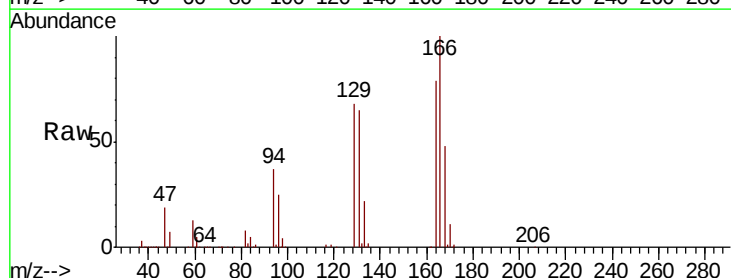
Delta R.T. -0.00 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Tgt Ion: 164 Resp: 121794

Ion	Ratio	Lower	Upper
164	100		
129	86.5	62.5	116.1
131	82.2	59.8	111.0
166	126.7	91.6	170.0



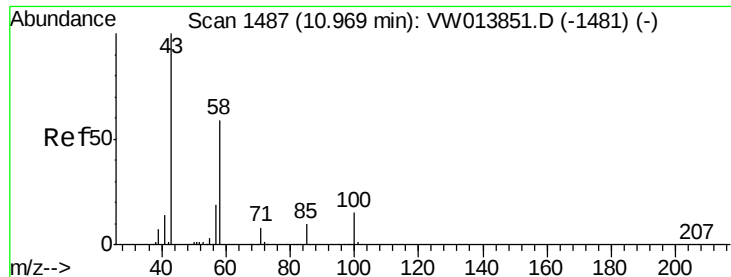
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

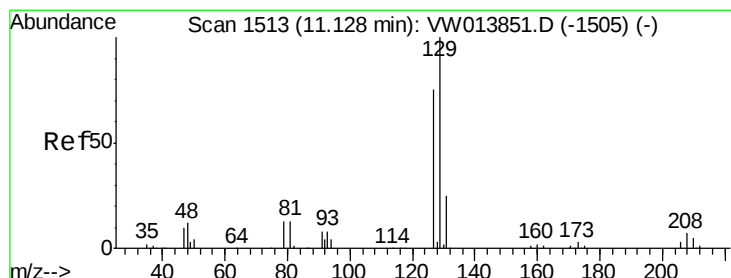
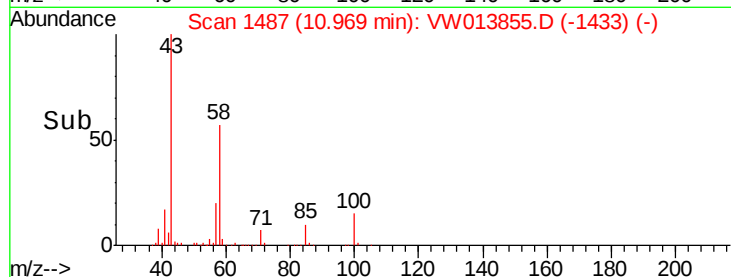
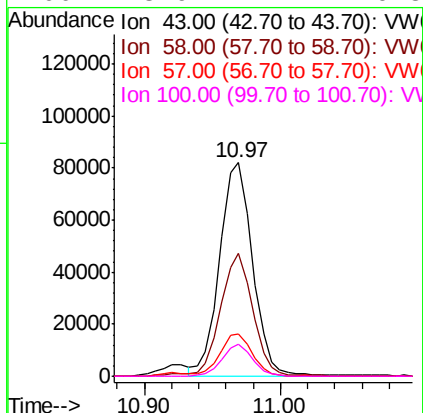
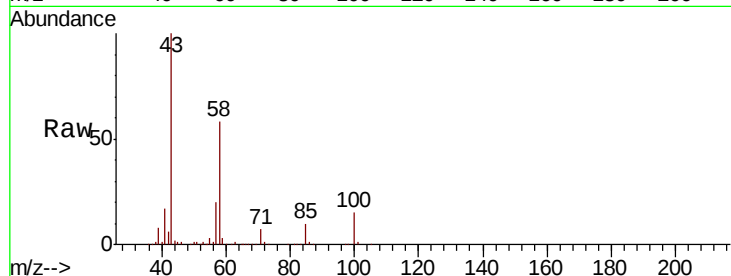
Ion 166.00 (165.70 to 166.70): V



#49
2-Hexanone
Concen: 46.308 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

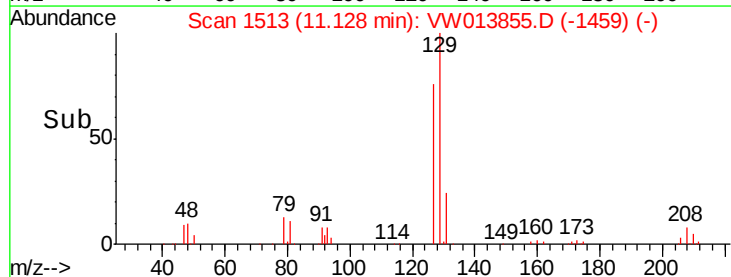
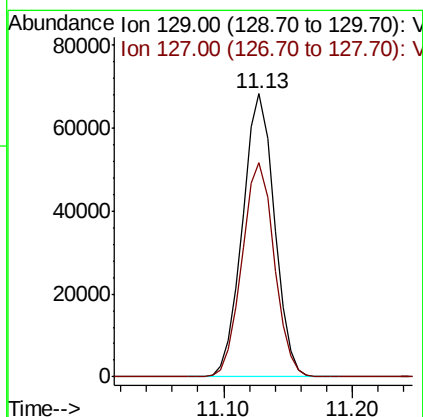
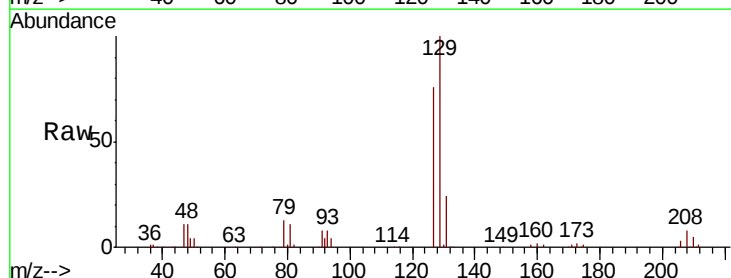
Instrument :
MSVOA_W
ClientSampleId :

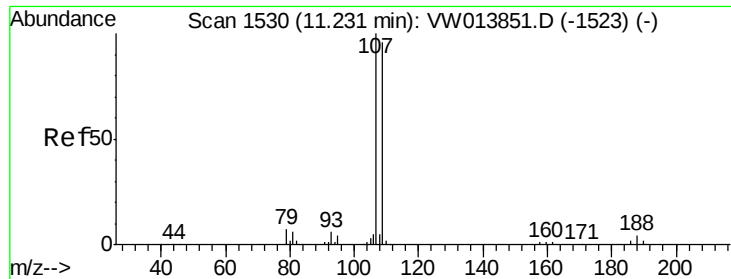
Tot Ion:	43	Resp:	138675
Ion	Ratio	Lower	Upper
43	100		
58	55.8	47.0	70.4
57	19.3	16.0	24.0
100	13.9	11.2	16.8



#50
Dibromochloromethane
Concen: 23.034 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

Tgt Ion:	129	Resp:	117099
Ion	Ratio	Lower	Upper
129	100		
127	75.5	52.6	97.8

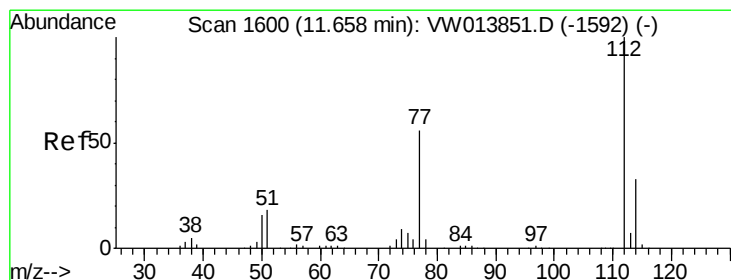
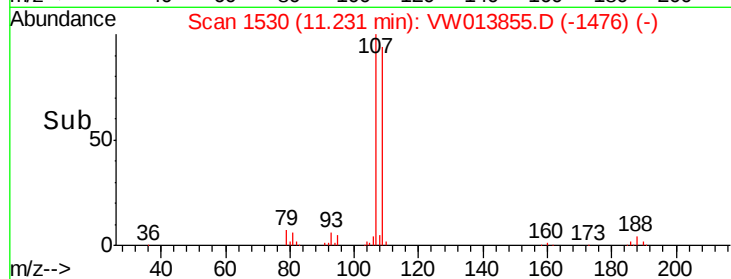
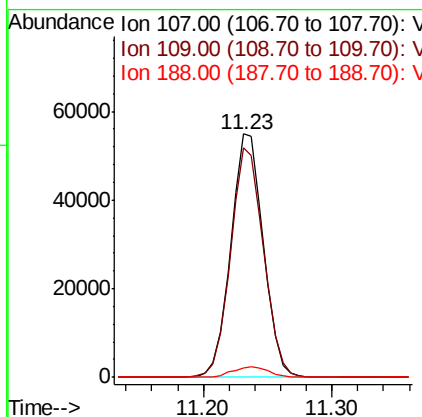
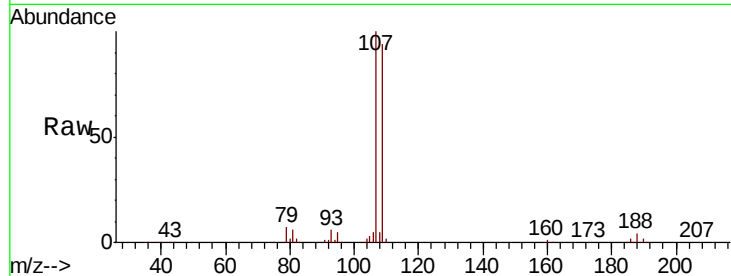




#51
1,2-Dibromoethane
Concen: 22.552 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

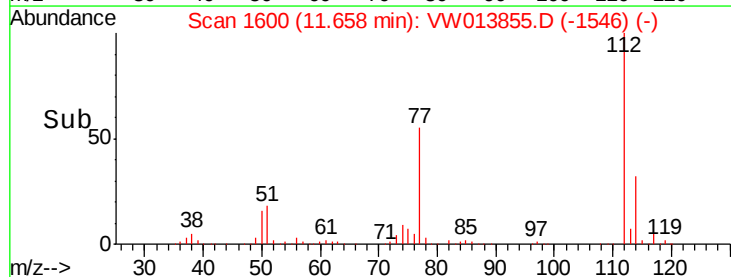
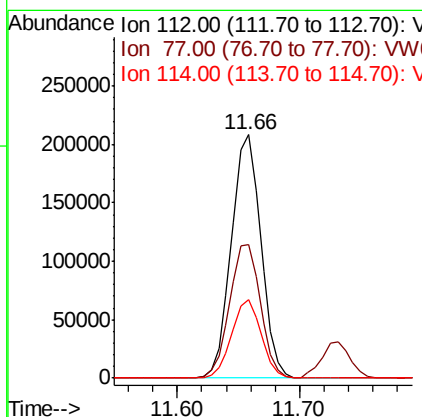
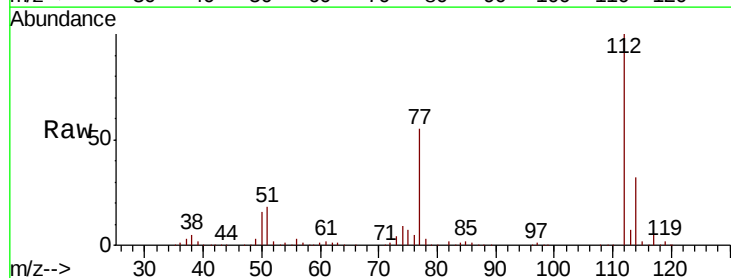
Instrument :
MSVOA_W
ClientSampleId :

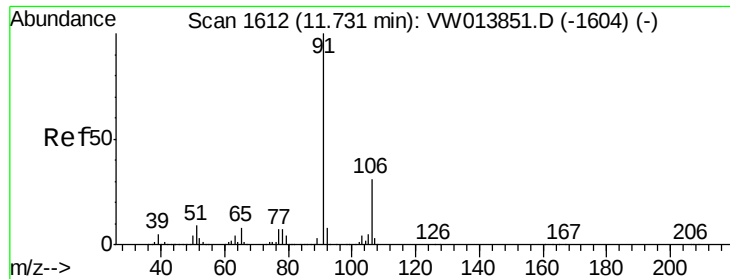
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	67.3	124.9
188	4.0	3.5	5.3



#52
Chlorobenzene
Concen: 22.656 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.9	44.7	67.1
114	32.4	23.1	42.9

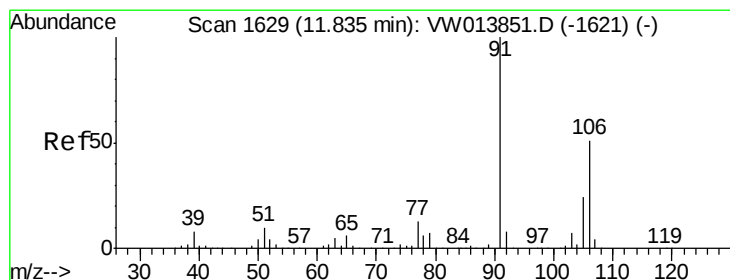
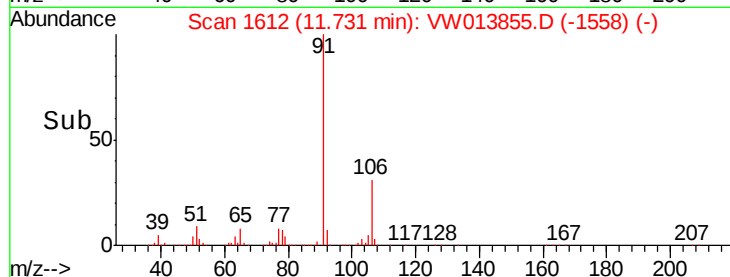
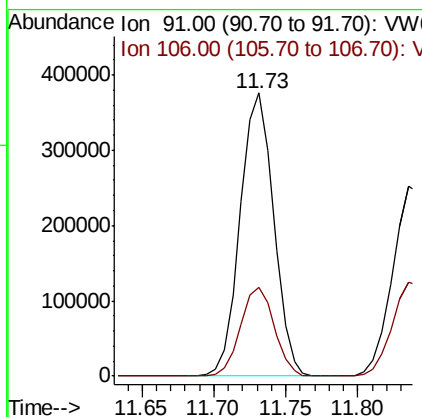
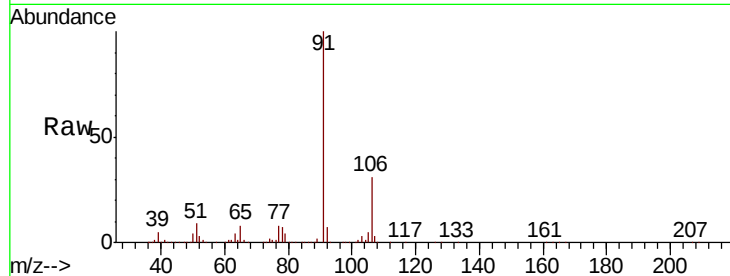




#53
Ethylbenzene
Concen: 23.268 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

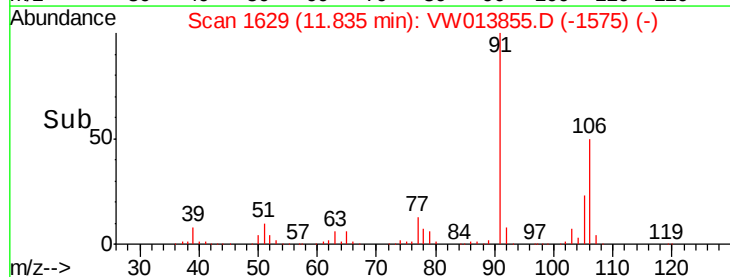
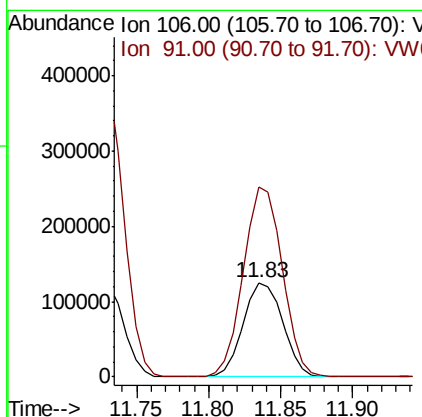
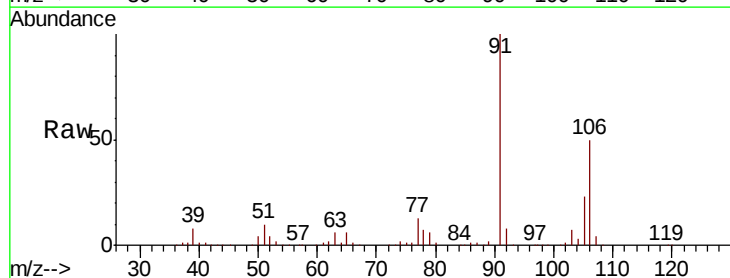
Instrument :
MSVOA_W
ClientSampleId :

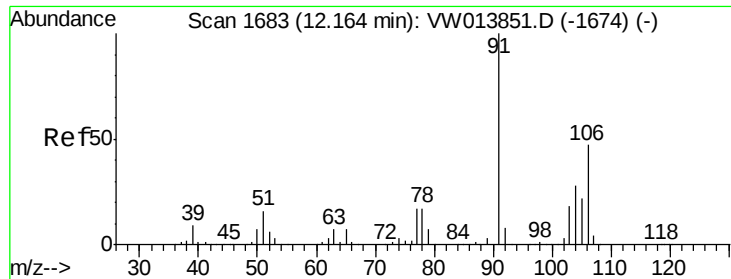
Tot Ion: 91 Resp: 608844
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.4



#54
m,p-Xylene
Concen: 23.279 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

Tgt Ion: 106 Resp: 238308
Ion Ratio Lower Upper
106 100
91 200.9 136.6 253.8





#55

o-xylene

Concen: 23.475 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :

MSVOA_W

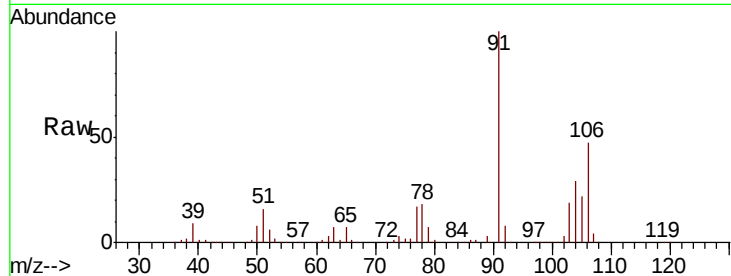
ClientSampleId :

Tot Ion:106 Resp: 226191

Ion Ratio Lower Upper

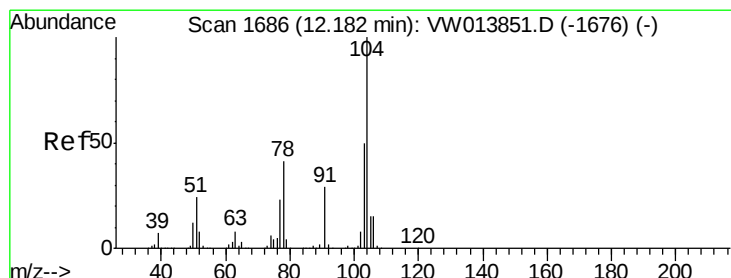
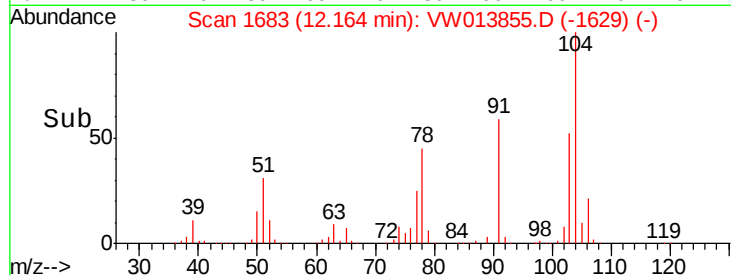
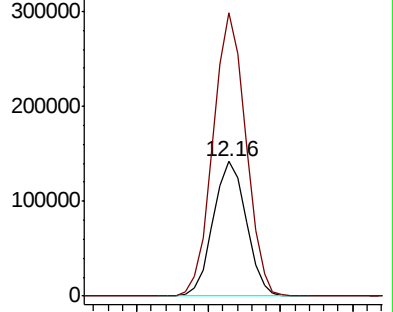
106 100

91 210.6 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 23.747 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW013855.D

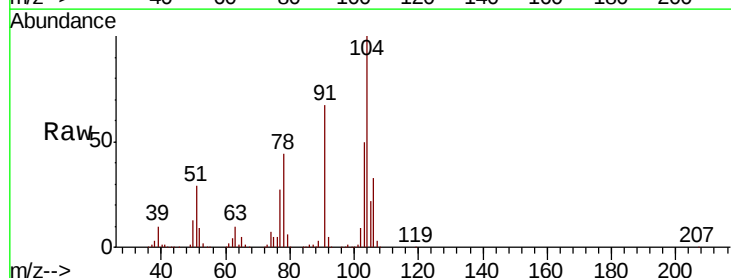
Acq: 31 Oct 2019 13:28

Tgt Ion:104 Resp: 392612

Ion Ratio Lower Upper

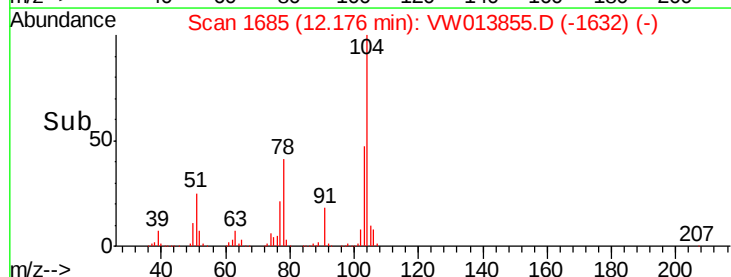
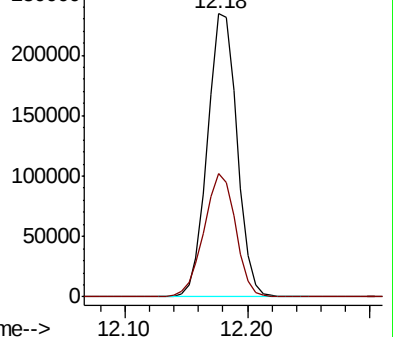
104 100

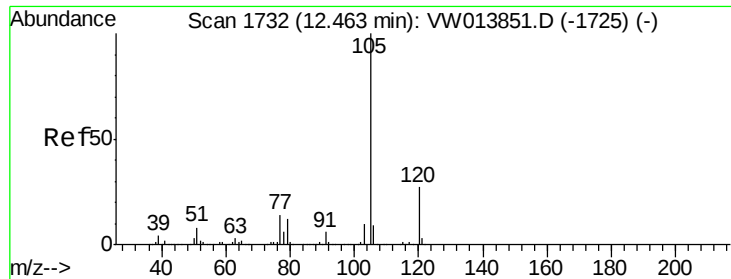
78 43.7 28.9 53.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 23.765 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampled :

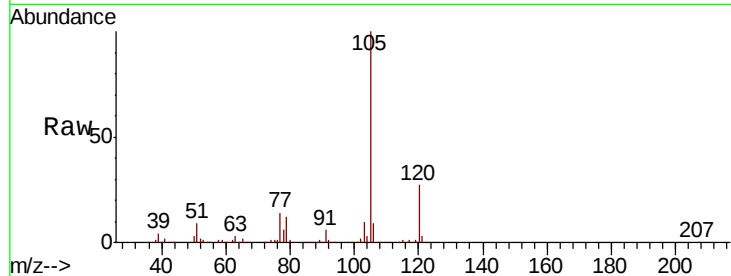
Tot Ion:105 Resp: 612826

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

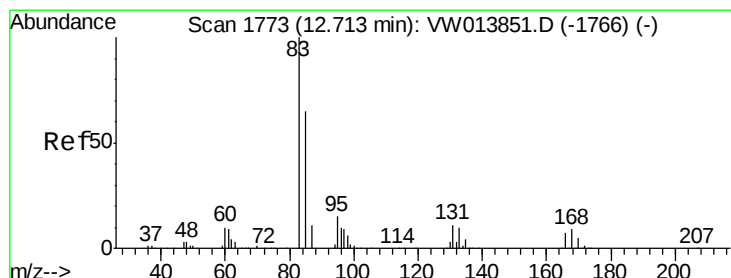
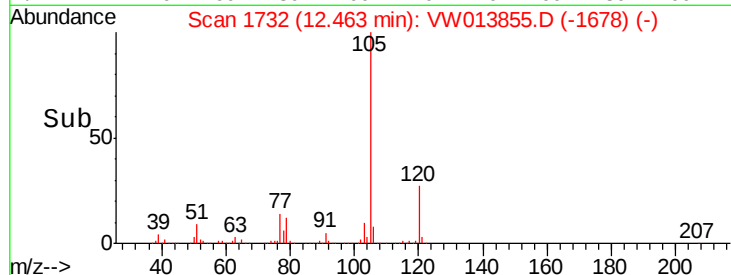
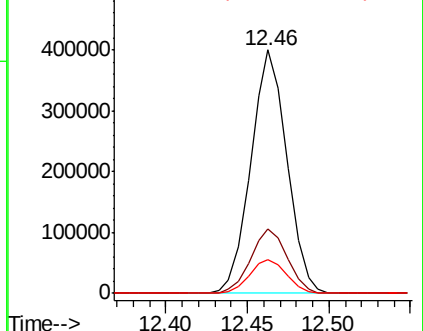
77 14.3 11.7 17.5



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: 22.374 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

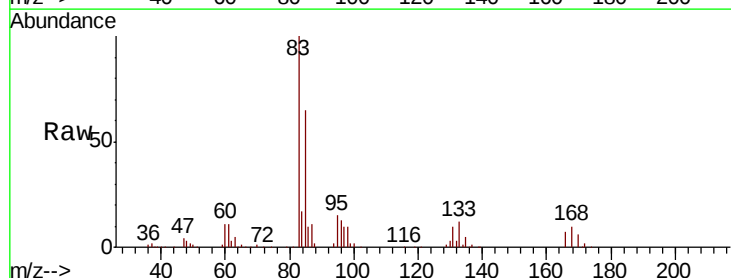
Tgt Ion: 83 Resp: 122827

Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.7

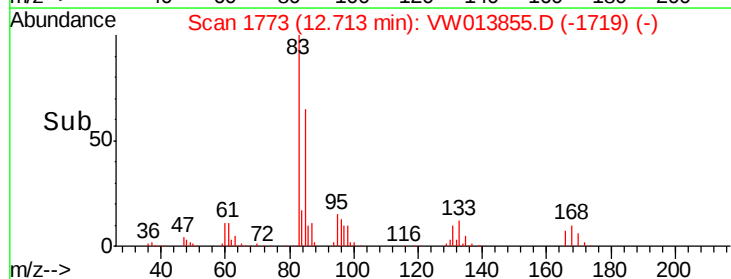
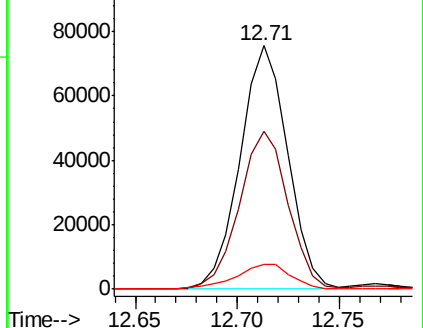
131 10.2 9.0 13.6

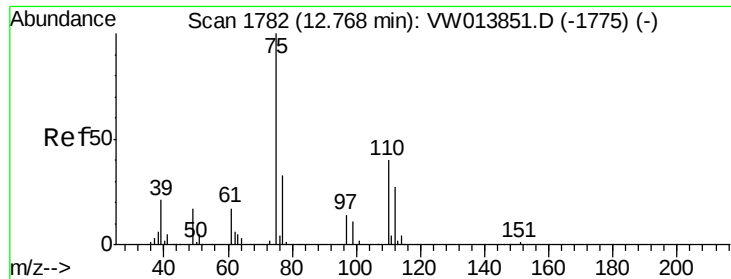


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

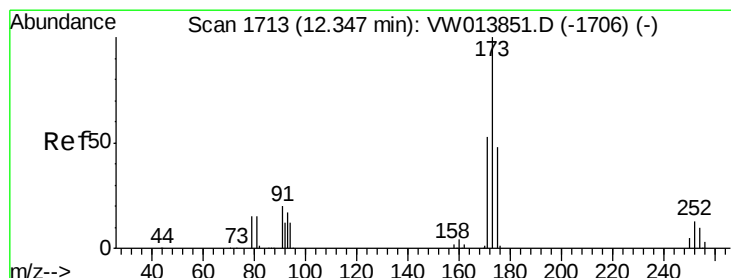
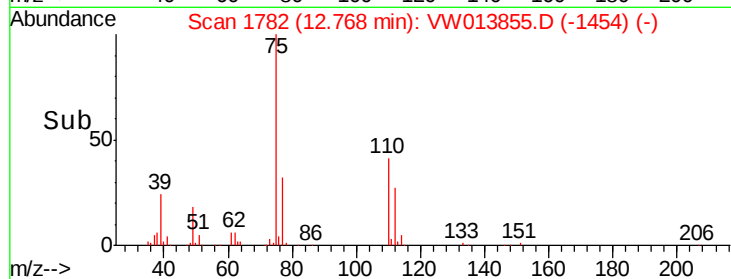
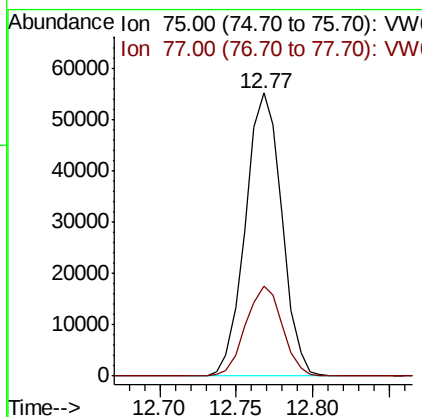
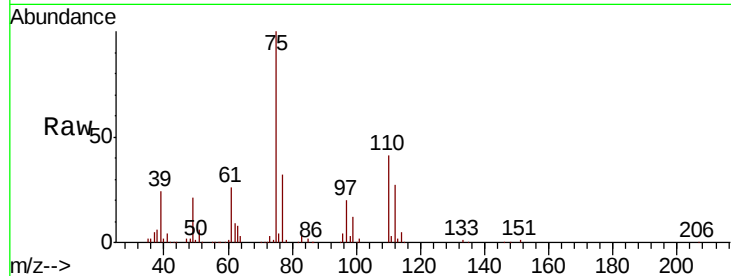




#59
 1,2,3-Trichloropropane
 Concen: 21.841 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

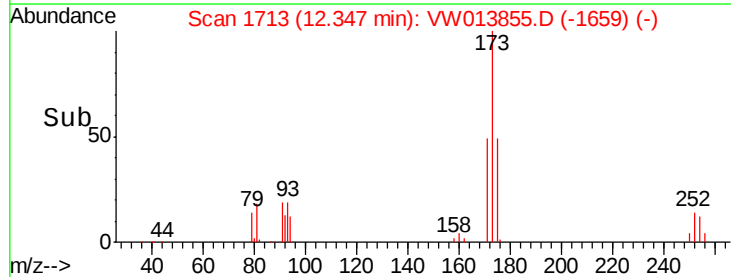
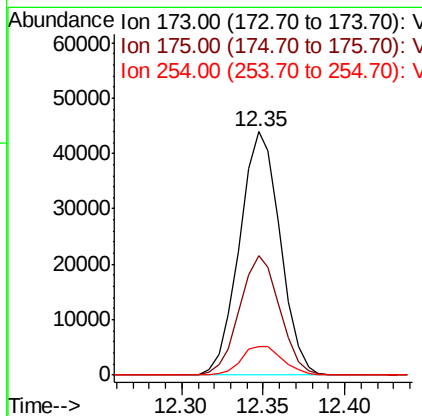
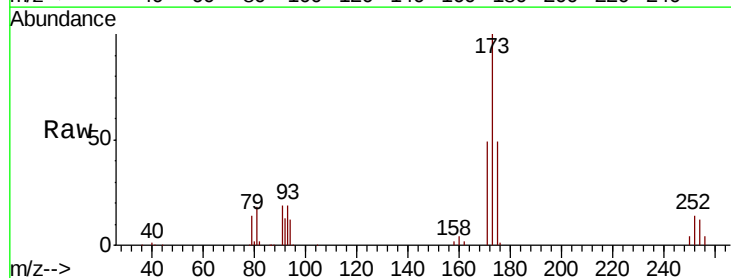
Instrument :
 MSVOA_W
 ClientSampleId :

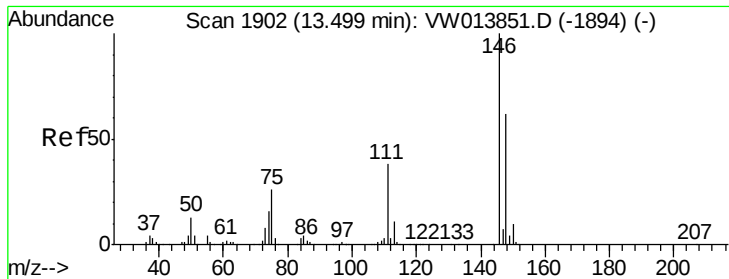
Tot Ion: 75 Resp: 91359
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8



#62
 Bromoform
 Concen: 22.758 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

Tgt Ion: 173 Resp: 76162
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.1 58.7
 254 12.0 9.4 14.2

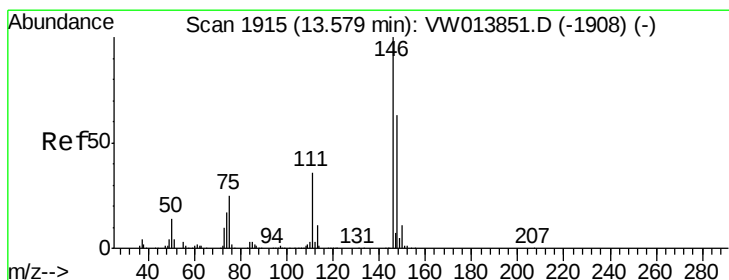
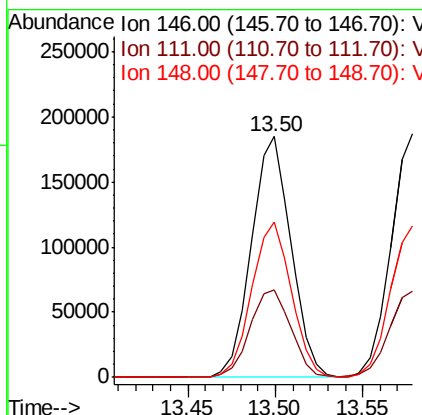
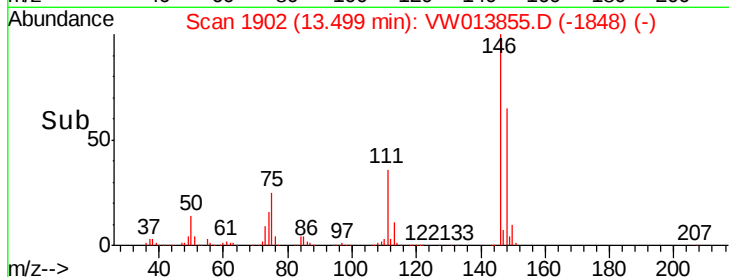
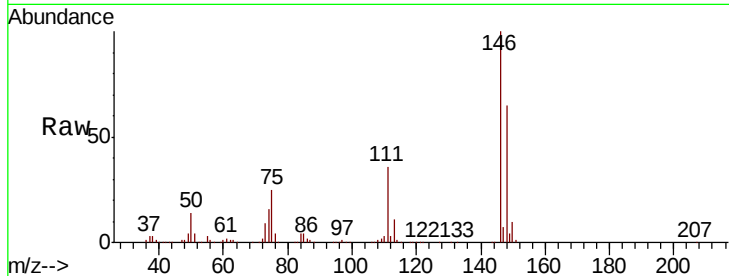




#63
 1,3-Dichlorobenzene
 Concen: 23.128 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

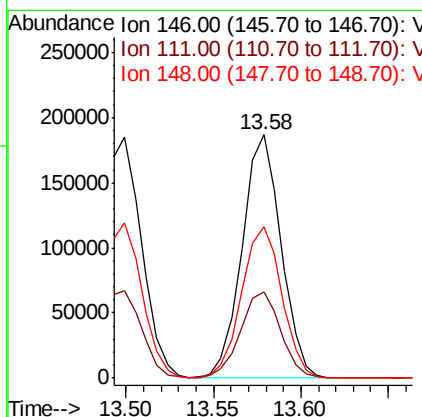
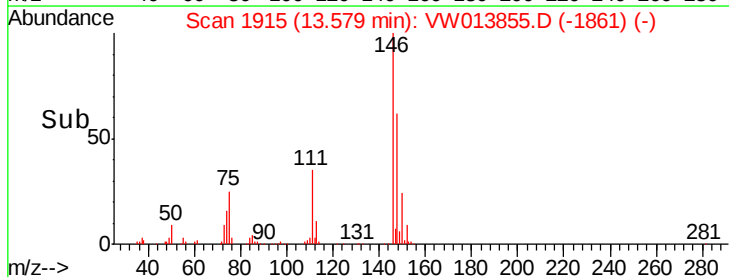
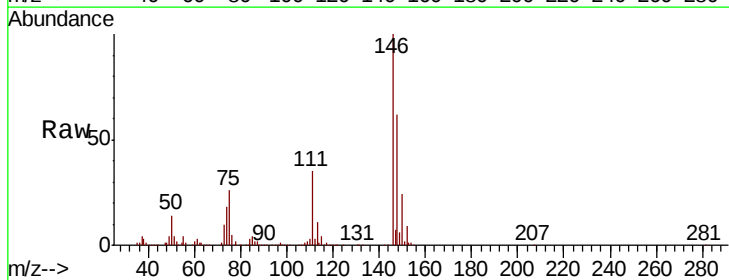
Instrument :
 MSVOA_W
 ClientSampleId :

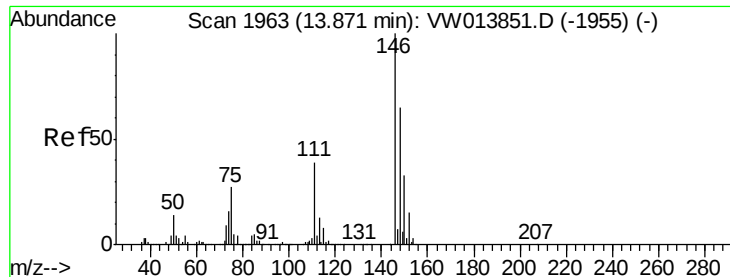
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	26.5	49.1
148	64.5	43.7	81.1



#64
 1,4-Dichlorobenzene
 Concen: 22.768 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	25.0	46.4
148	62.0	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 23.384 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

Instrument :

MSVOA_W

ClientSampleId :

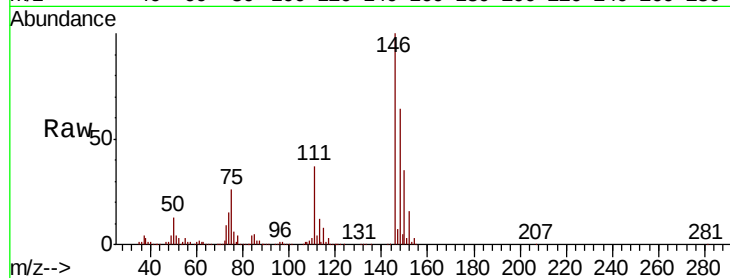
Tot Ion:146 Resp: 271338

Ion Ratio Lower Upper

146 100

111 37.4 31.0 46.4

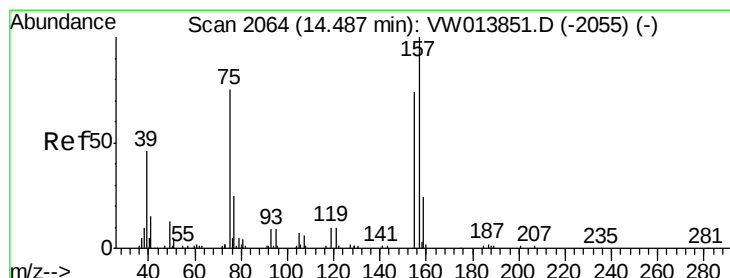
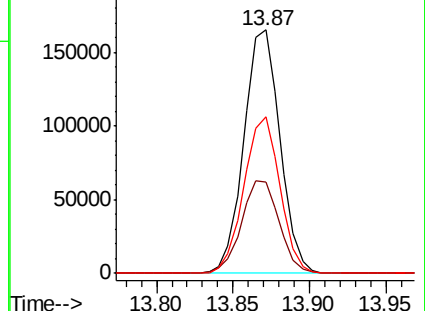
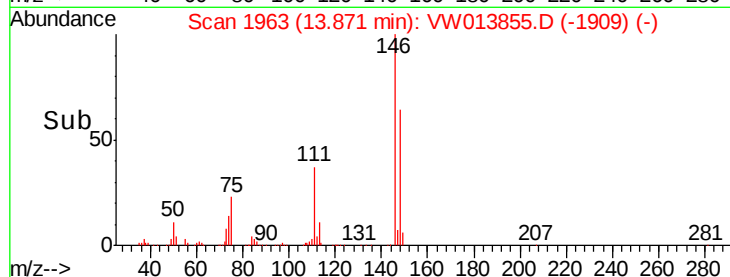
148 64.2 51.8 77.6



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: 22.447 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013855.D

Acq: 31 Oct 2019 13:28

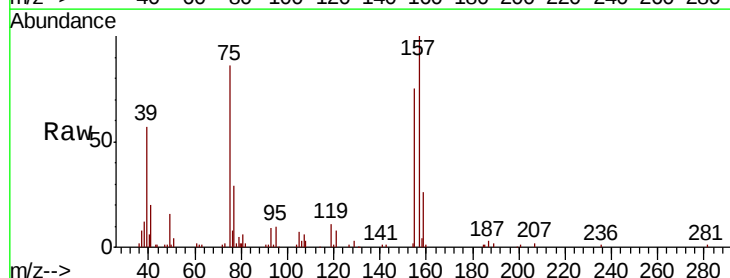
Tgt Ion: 75 Resp: 20587

Ion Ratio Lower Upper

75 100

157 117.0 106.2 159.2

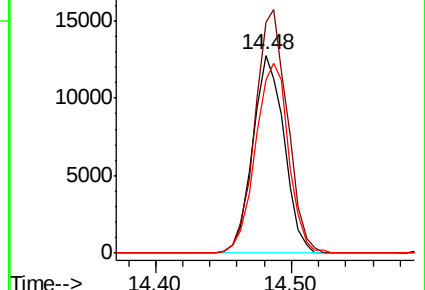
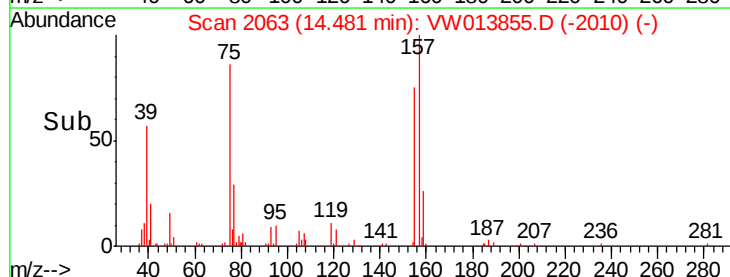
155 87.9 78.8 118.2

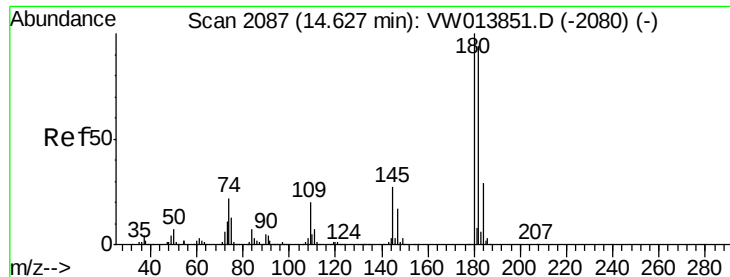


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

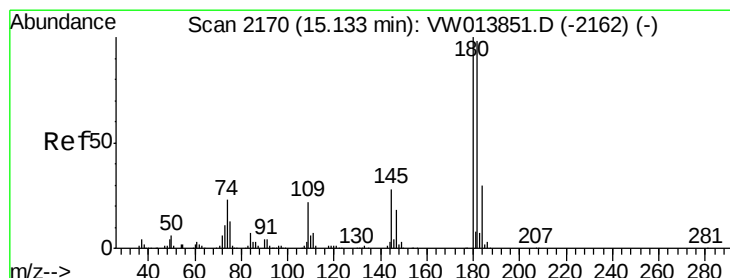
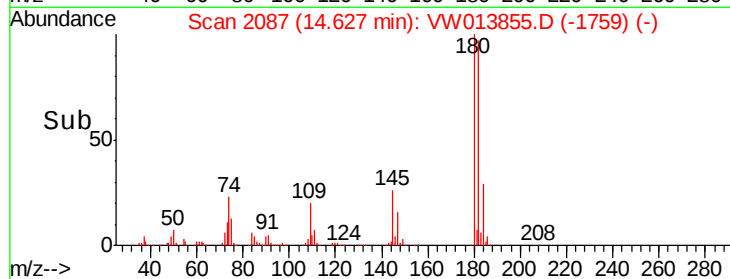
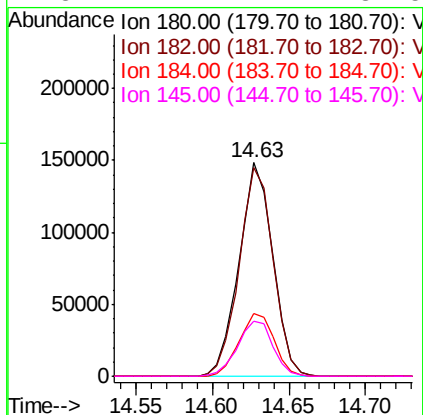
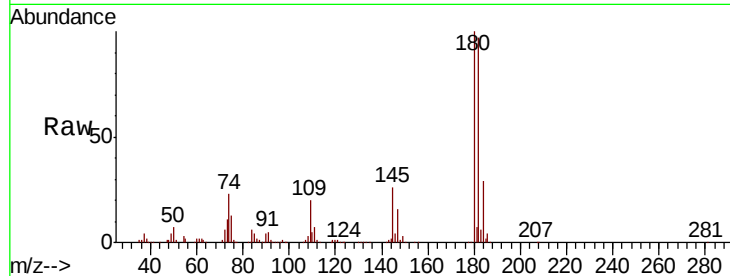




#67
 1,3,5-Trichlorobenzene
 Concen: 23.568 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

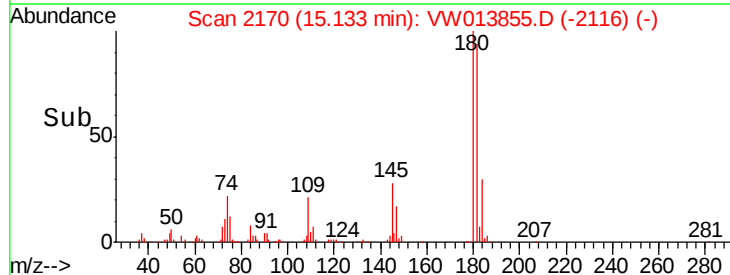
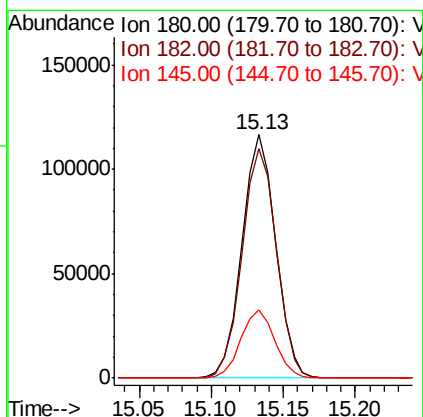
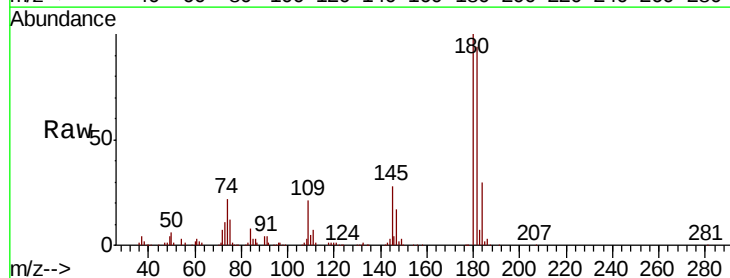
Instrument :
 MSVOA_W
 ClientSampleId :

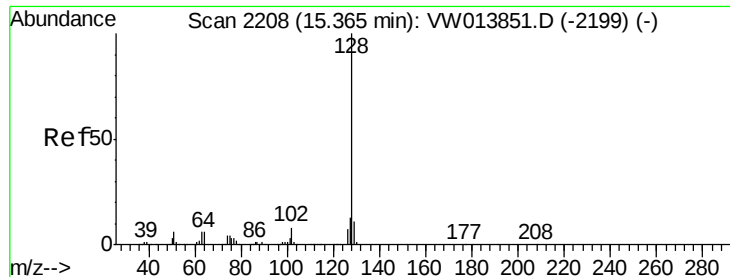
Tot Ion:180	Resp:	227620
Ion	Ratio	Lower Upper
180	100	
182	98.1	76.2 114.4
184	30.3	24.1 36.1
145	27.2	21.7 32.5



#68
 1,2,4-trichlorobenzene
 Concen: 24.348 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013855.D
 Acq: 31 Oct 2019 13:28

Tgt Ion:180	Resp:	188610
Ion	Ratio	Lower Upper
180	100	
182	96.3	74.8 112.2
145	28.2	22.4 33.6

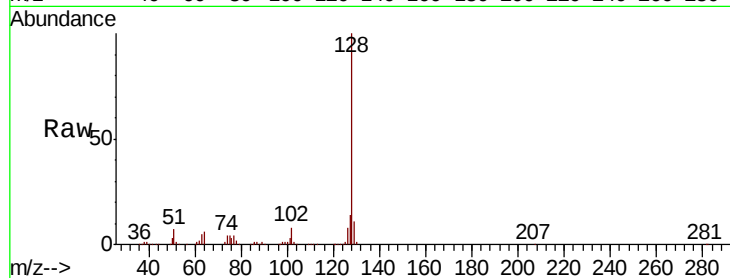




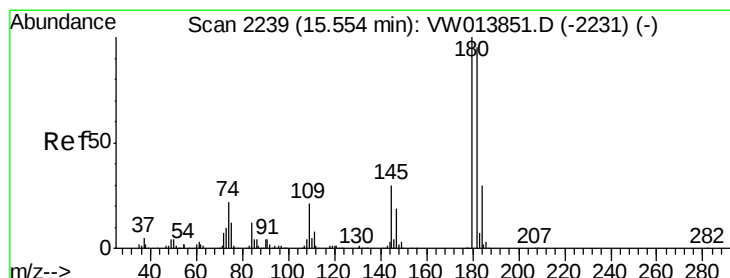
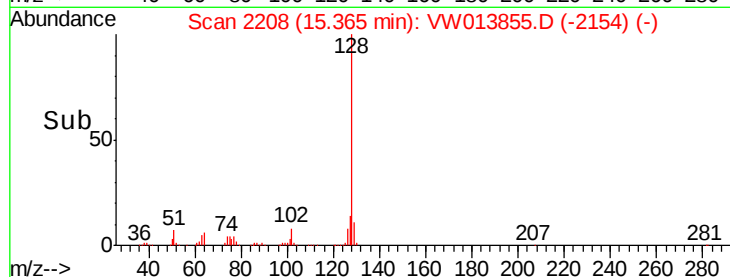
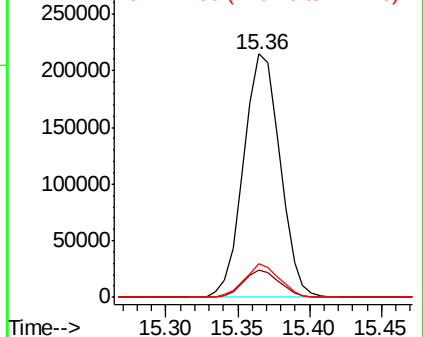
#69
Naphthalene
Concen: 25.317 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 377295
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.9 10.5 15.7

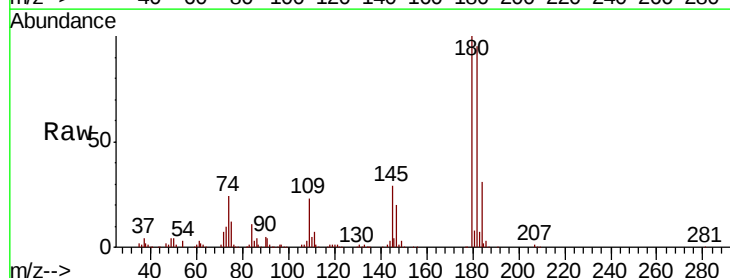


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 24.397 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013855.D
Acq: 31 Oct 2019 13:28

Tgt Ion:180 Resp: 174733
Ion Ratio Lower Upper
180 100
182 96.7 78.0 117.0
145 29.8 23.9 35.9



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

