

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112719\
 Data File : VW014168.D
 Acq On : 27 Nov 2019 19:42
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 28 07:27:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 28 07:23:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	278721	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	267210	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	164605	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	91196	20.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.04%
7) Chloroethane-d5	2.89	69	83351	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.48%
10) 1,1-Dichloroethene-d2	4.02	63	208851	22.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.52%
20) 2-Butanone-d5	7.07	46	66952	51.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.64%
24) Chloroform-d	7.65	84	223461	26.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.28%
26) 1,2-Dichloroethane-d4	8.31	65	111971	25.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.96%
29) Benzene-d6	8.27	84	447758	23.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.48%
33) 1,2-Dichloropropane-d6	9.27	67	132930	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.76%
37) Toluene-d8	10.32	98	411136	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.48%
38) trans-1,3-Dichloropropene-	10.58	79	54232	22.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.20%
39) 2-Hexanone-d5	10.92	63	56963	54.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113145	26.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	155602	23.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	67428	20.342	ug/L	92
3) Chloromethane	2.21	50	67640	22.974	ug/L	97
5) Vinyl chloride	2.36	62	120817	26.281	ug/L	96
6) Bromomethane	2.78	94	74711	26.249	ug/L	100
8) Chloroethane	2.92	64	71805	26.259	ug/L	94
9) Trichlorofluoromethane	3.25	101	67389	21.497	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	128707	27.806	ug/L	98
12) 1,1-Dichloroethene	4.04	96	127320	27.060	ug/L	96
13) Acetone	4.12	43	50603	38.493	ug/L	99
14) Carbon disulfide	4.39	76	331480	24.753	ug/L	100
15) Methyl Acetate	4.67	43	54981	25.849	ug/L	99
16) Methylene chloride	4.91	84	126959	23.661	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	154552	25.461	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	129119	26.316	ug/L	96
19) 1,1-Dichloroethane	6.21	63	229915	27.819	ug/L	99
21) 2-Butanone	7.17	43	76449	45.265	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	138984	26.918	ug/L	97

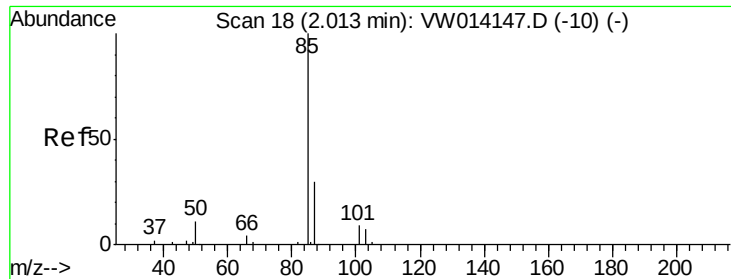
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112719\
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 Quant Title : VOC Analysis
 QLast Update : Thu Nov 28 07:23:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61617	27.186	ug/L	90
25) Chloroform	7.67	83	230087	28.349	ug/L	99
27) 1,2-Dichloroethane	8.40	62	138386	28.163	ug/L	98
30) Cyclohexane	7.95	56	212322	24.829	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	186090	27.789	ug/L	99
32) Carbon tetrachloride	8.06	117	181732	28.271	ug/L	99
34) Benzene	8.32	78	531755	27.131	ug/L	100
35) Trichloroethene	9.09	95	137755	26.348	ug/L	100
36) Methylcyclohexane	9.34	83	237238	25.307	ug/L	99
40) 1,2-Dichloropropane	9.37	63	128223	27.176	ug/L	99
41) Bromodichloromethane	9.64	83	161310	28.280	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	197297	26.498	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	159327	51.145	ug/L	100
44) Toluene	10.38	91	585083	27.380	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	154737	26.280	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	94305	27.202	ug/L	99
47) Tetrachloroethene	10.86	164	124953	26.813	ug/L	96
49) 2-Hexanone	10.96	43	108917	48.495	ug/L	97
50) Dibromochloromethane	11.13	129	112134	27.519	ug/L	96
51) 1,2-Dibromoethane	11.23	107	88585	26.336	ug/L	94
52) Chlorobenzene	11.65	112	364355	27.198	ug/L	96
53) Ethylbenzene	11.73	91	644333	27.477	ug/L	98
54) m,p-Xylene	11.84	106	251042	27.548	ug/L	97
55) o-xylene	12.16	106	234293	27.455	ug/L	98
56) Styrene	12.18	104	406034	28.166	ug/L	99
57) Isopropylbenzene	12.46	105	647933	27.615	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	113325	27.999	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	82251	27.020	ug/L	100
62) Bromoform	12.35	173	69910	25.916	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	292850	25.338	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	292301	25.597	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	265648	25.956	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	17641	25.309	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	224034	25.435	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	174356	25.174	ug/L	100
69) Naphthalene	15.36	128	302885	24.616	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	156461	25.598	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 20.342 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

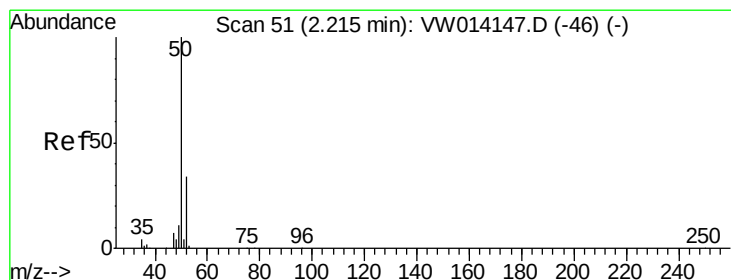
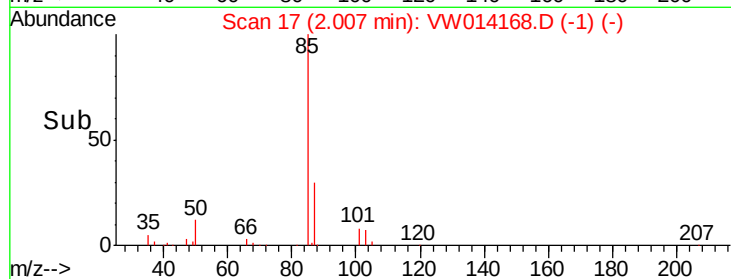
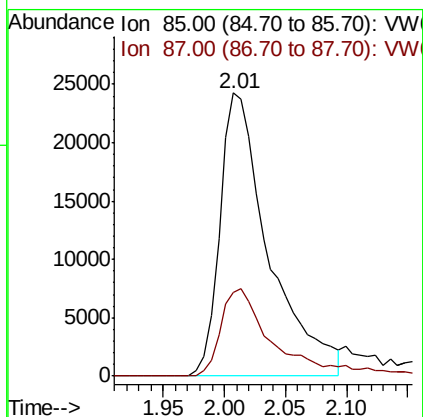
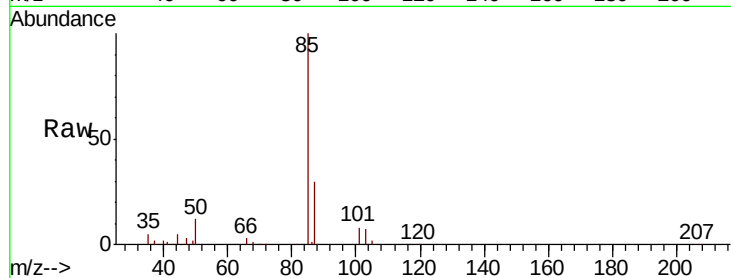
ClientSampled :

Tot Ion: 85 Resp: 67428

Ion Ratio Lower Upper

85 100

87 27.4 22.1 41.1



#3

Chloromethane

Concen: 22.974 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014168.D

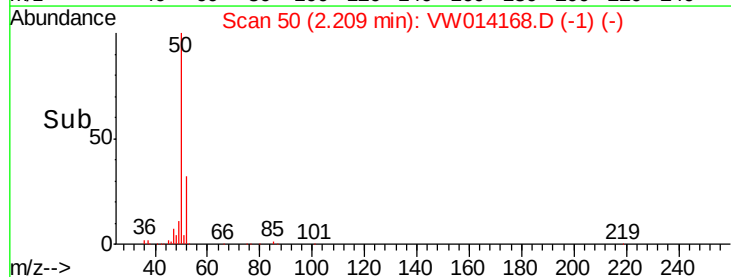
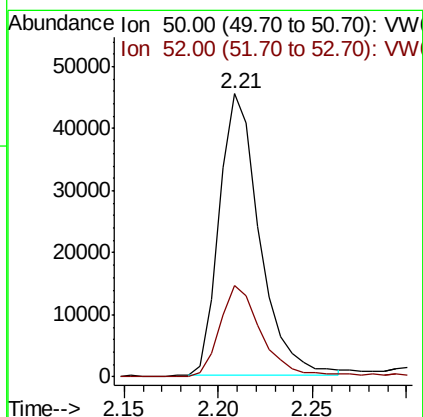
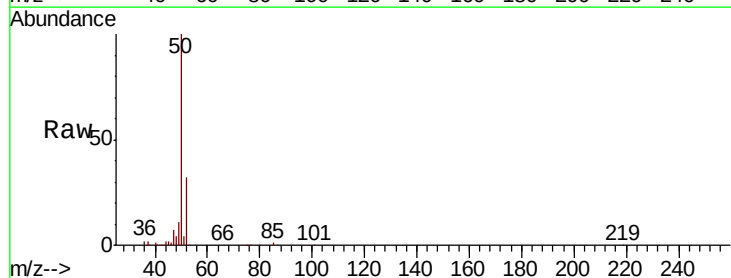
Acq: 27 Nov 2019 19:42

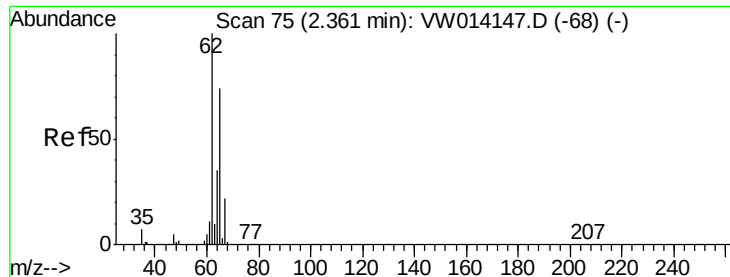
Tgt Ion: 50 Resp: 67640

Ion Ratio Lower Upper

50 100

52 32.4 23.8 44.2





#5

Vinyl chloride

Concen: 26.281 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

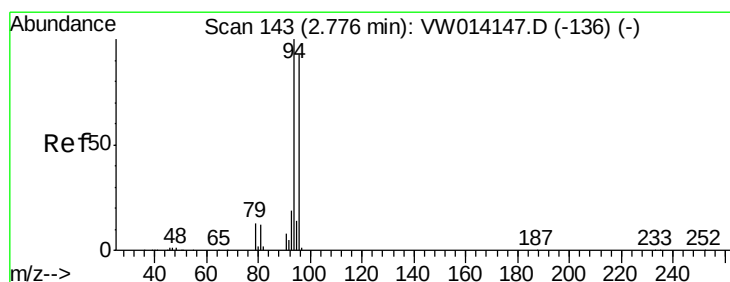
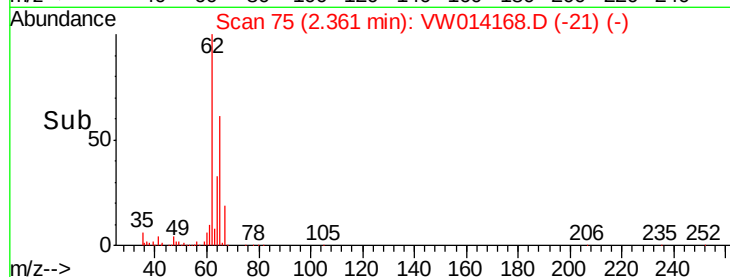
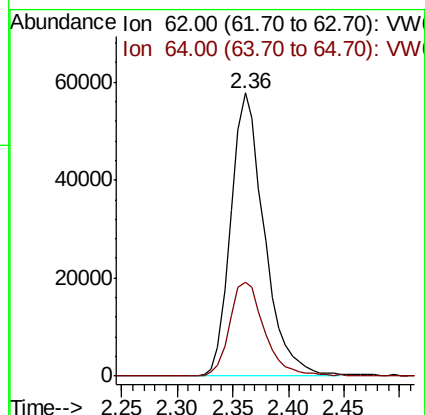
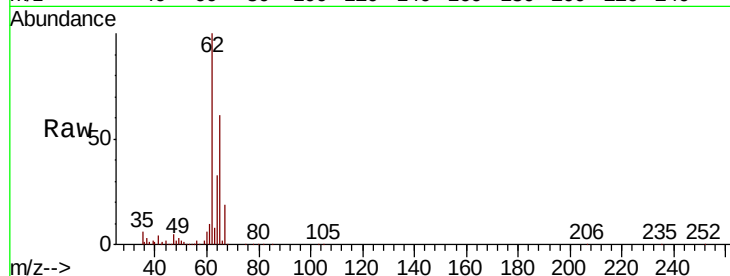
ClientSampleId :

Tot Ion: 62 Resp: 120817

Ion Ratio Lower Upper

62 100

64 33.3 21.8 40.4



#6

Bromomethane

Concen: 26.249 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014168.D

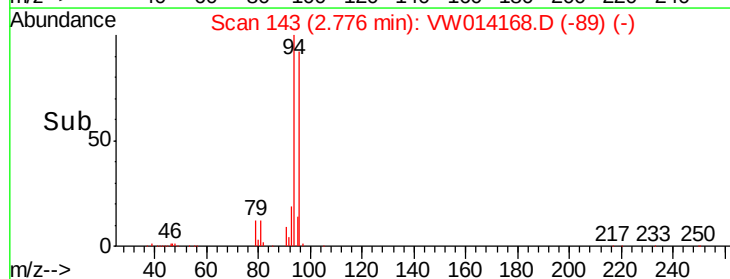
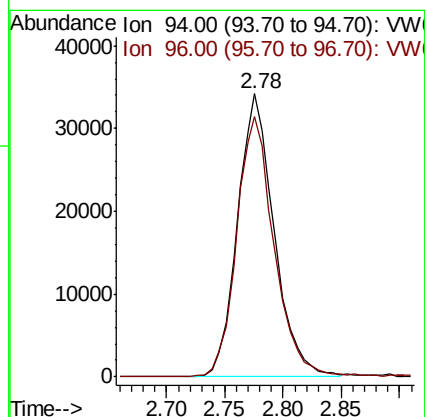
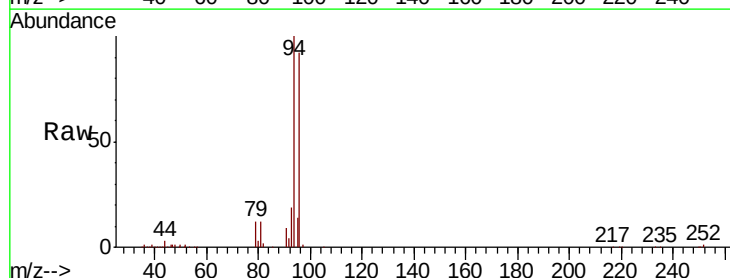
Acq: 27 Nov 2019 19:42

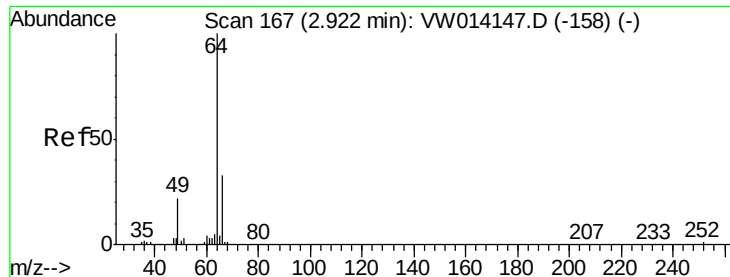
Tgt Ion: 94 Resp: 74711

Ion Ratio Lower Upper

94 100

96 93.7 9.4 178.8





#8

Chloroethane

Concen: 26.259 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

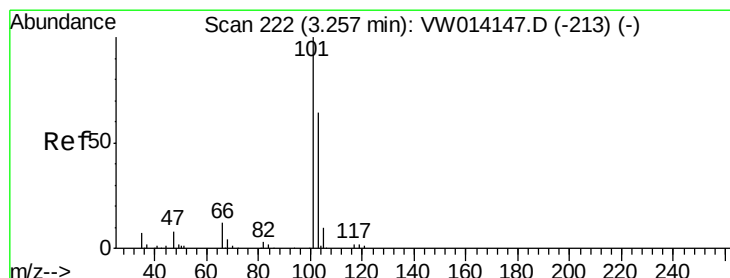
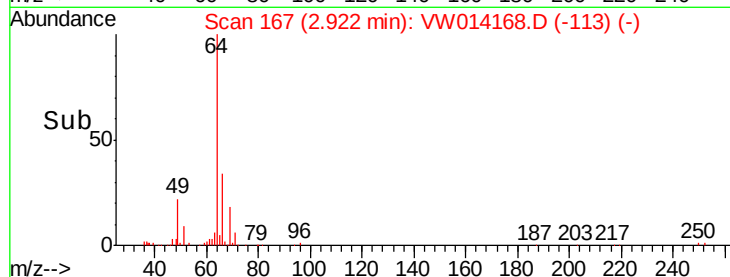
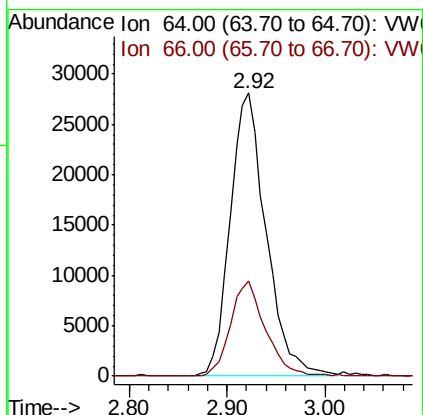
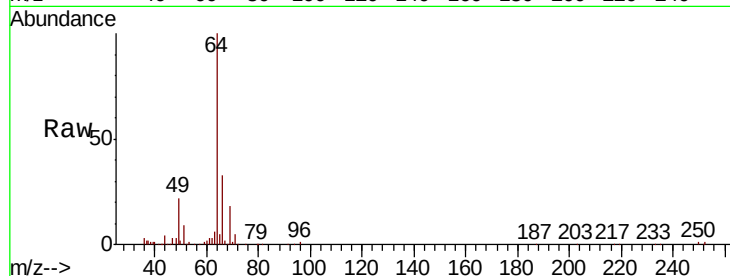
ClientSampleId :

Tot Ion: 64 Resp: 71805

Ion Ratio Lower Upper

64 100

66 33.5 21.2 39.4



#9

Trichlorofluoromethane

Concen: 21.497 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014168.D

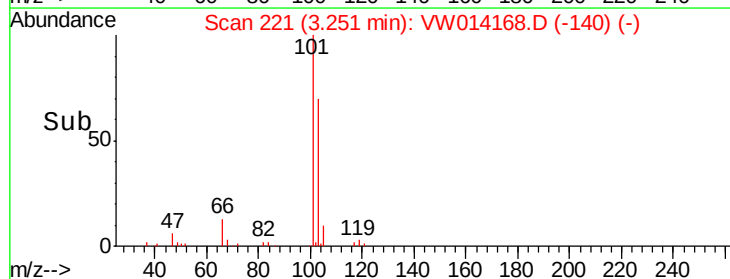
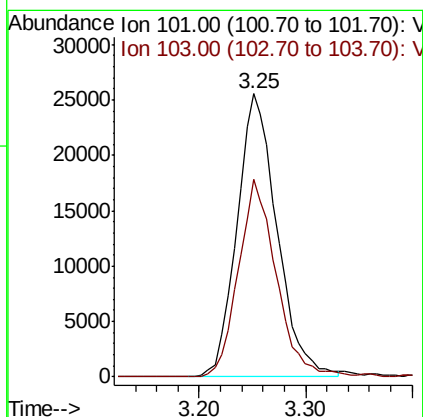
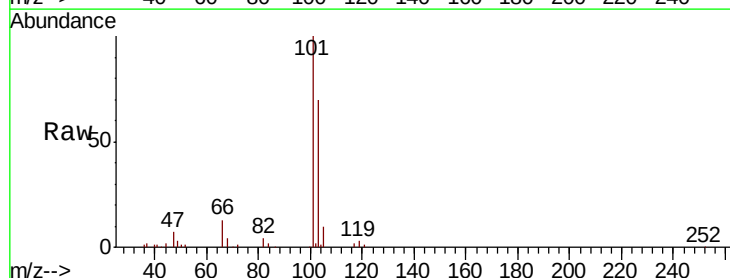
Acq: 27 Nov 2019 19:42

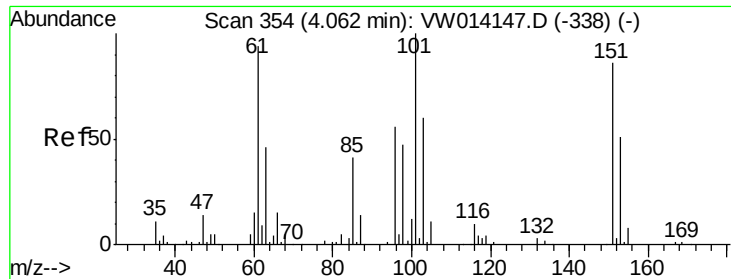
Tgt Ion: 101 Resp: 67389

Ion Ratio Lower Upper

101 100

103 64.9 45.4 84.2





#11

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

Concen: 27.806 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

ClientSampleId :

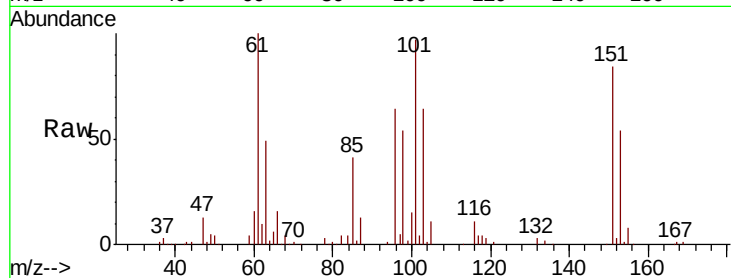
Tot Ion:101 Resp: 128707

Ion Ratio Lower Upper

101 100

85 40.5 31.4 47.2

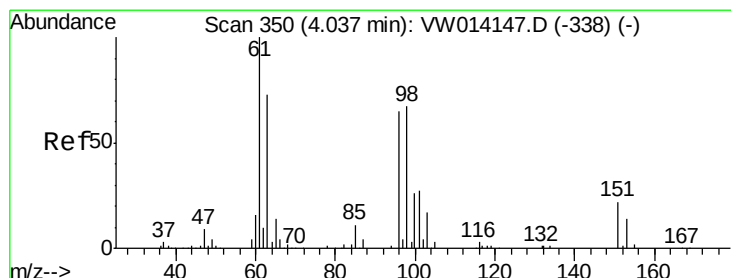
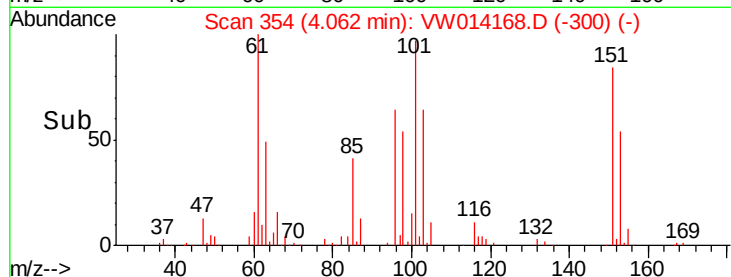
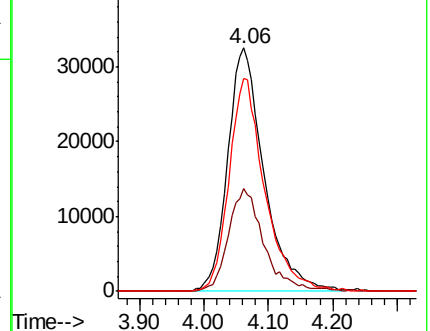
151 85.5 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.060 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

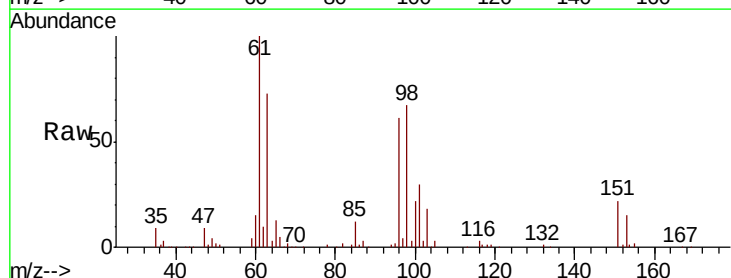
Tgt Ion: 96 Resp: 127320

Ion Ratio Lower Upper

96 100

61 162.9 109.8 204.0

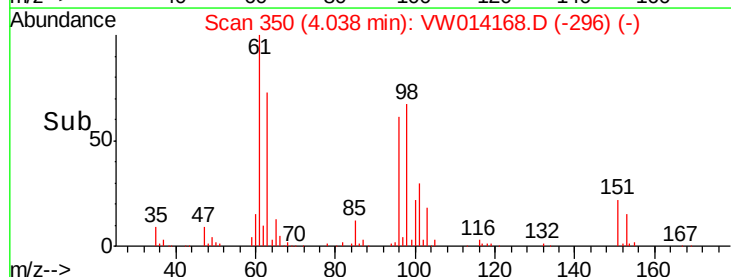
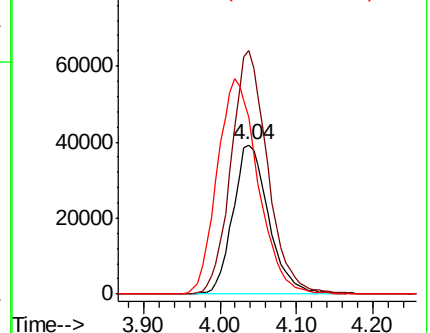
63 118.4 80.7 149.9

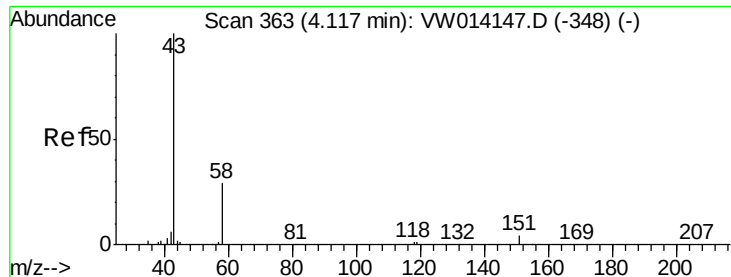


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

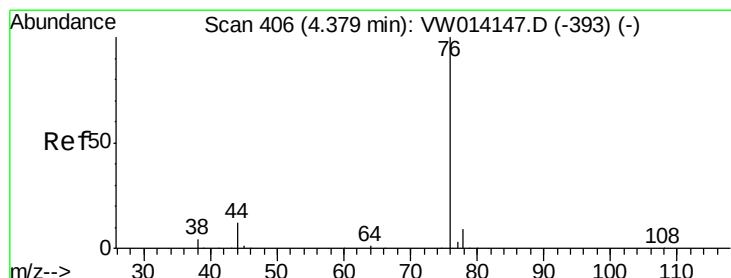
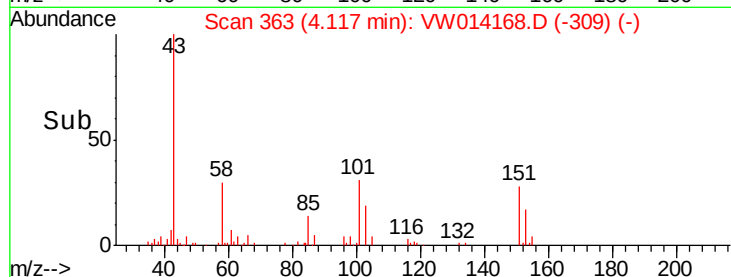
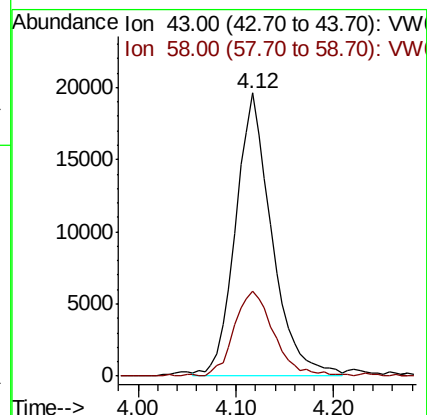
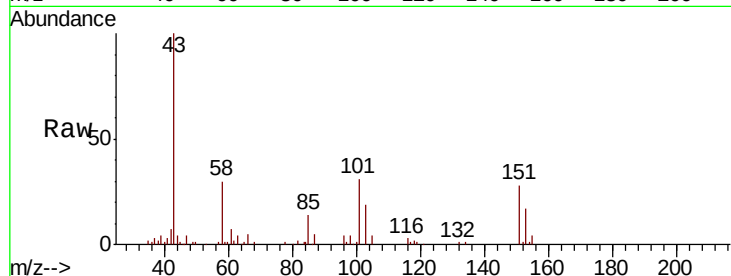




#13
Acetone
Concen: 38.493 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

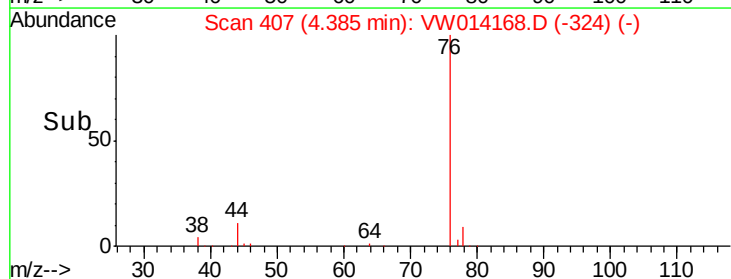
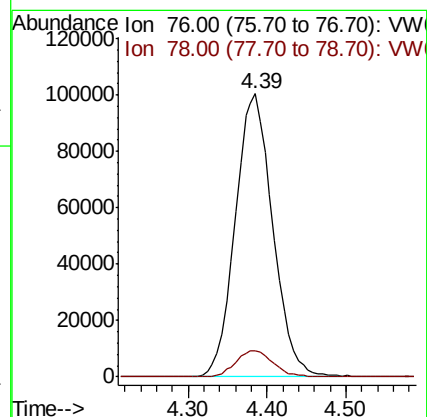
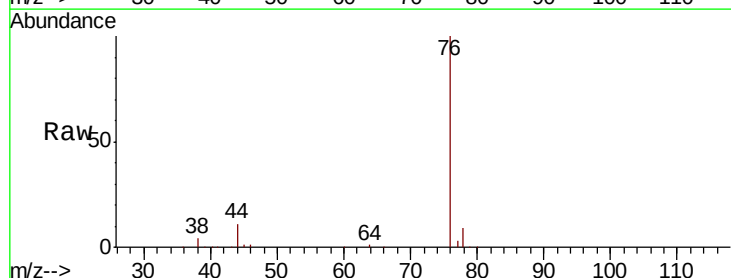
Instrument :
MSVOA_W
ClientSampled :

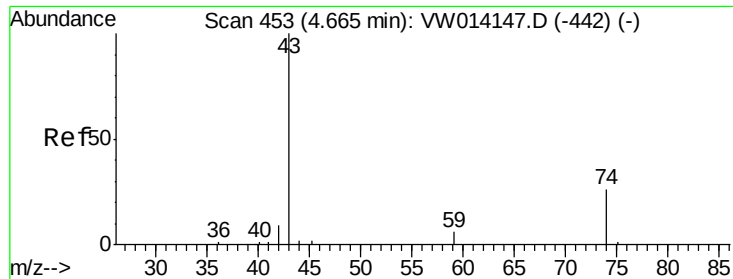
Tot Ion: 43 Resp: 50603
Ion Ratio Lower Upper
43 100
58 32.2 0.0 65.4



#14
Carbon disulfide
Concen: 24.753 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

Tgt Ion: 76 Resp: 331480
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

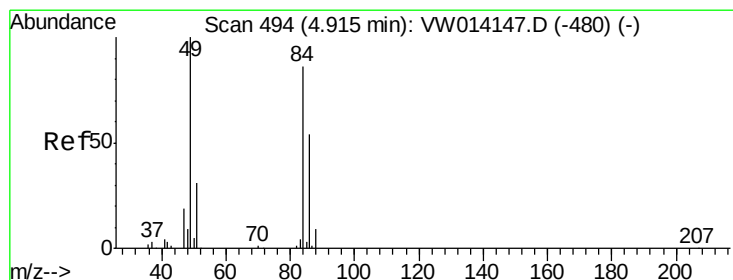
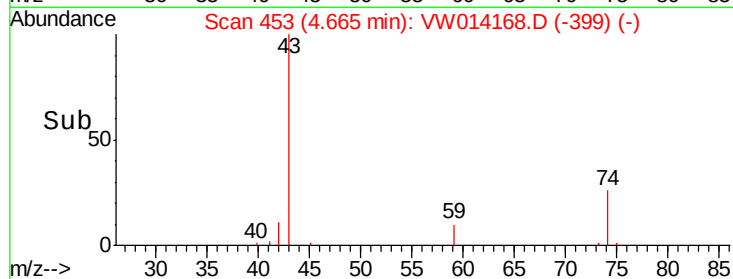
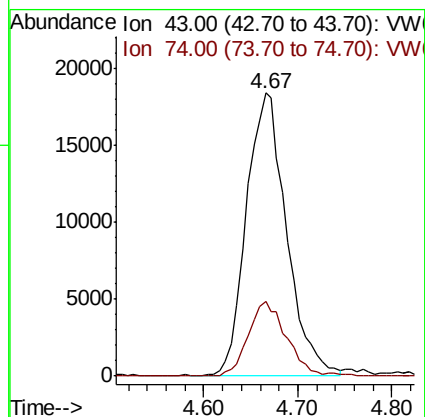
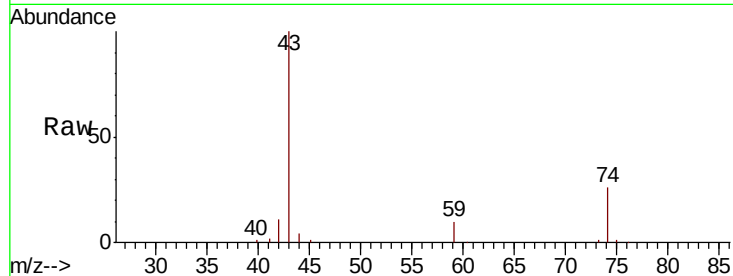




#15
Methvl Acetate
Concen: 25.849 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

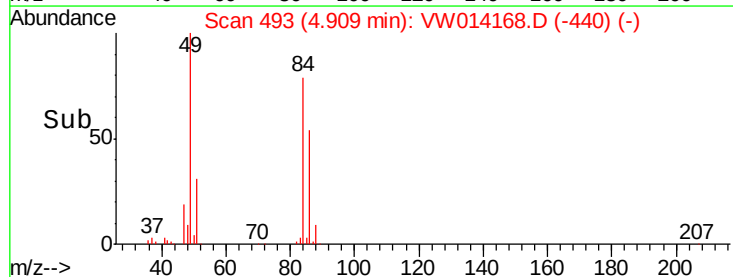
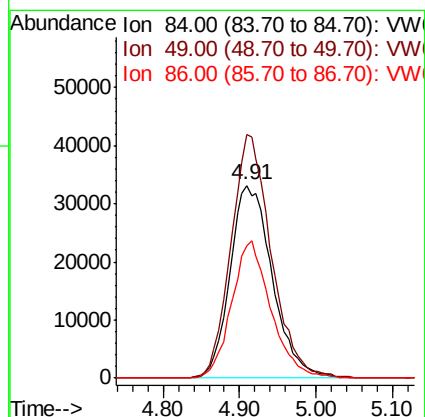
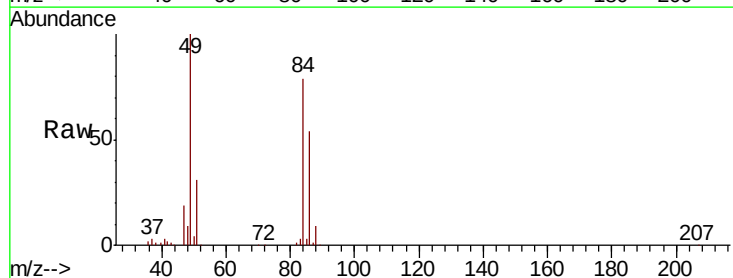
Instrument :
MSVOA_W
ClientSampleId :

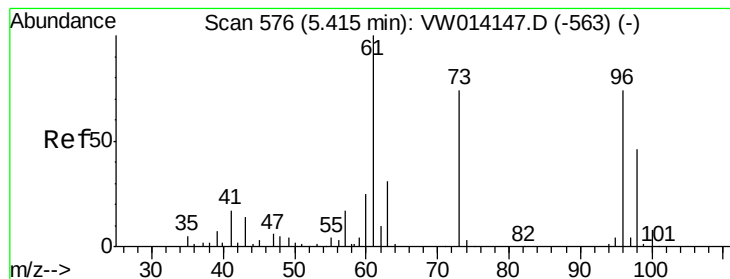
Tot Ion: 43 Resp: 54981
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9



#16
Methylene chloride
Concen: 23.661 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

Tgt Ion: 84 Resp: 126959
Ion Ratio Lower Upper
84 100
49 126.3 84.2 156.4
86 68.5 43.7 81.1





#17

Methyl tert-butyl Ether

Concen: 25.461 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

ClientSampleId :

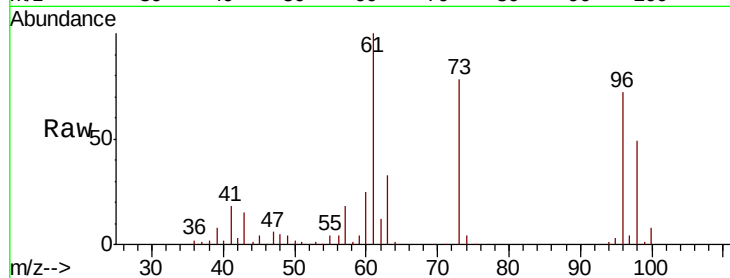
Tot Ion: 73 Resp: 154552

Ion Ratio Lower Upper

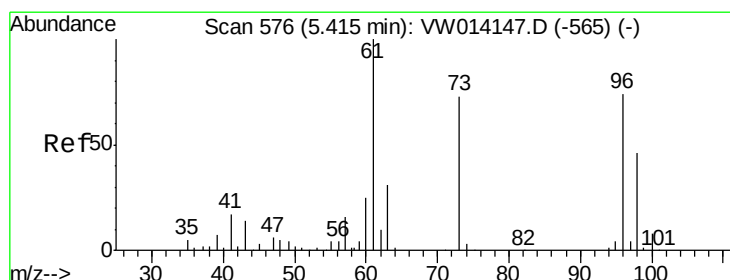
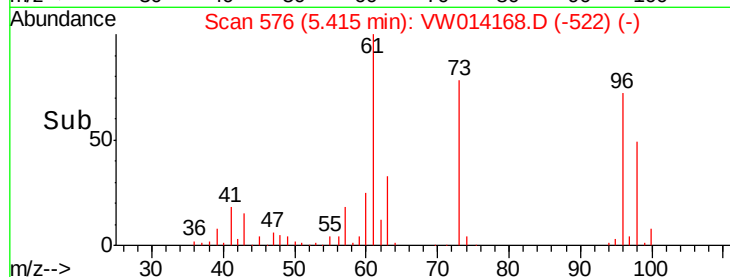
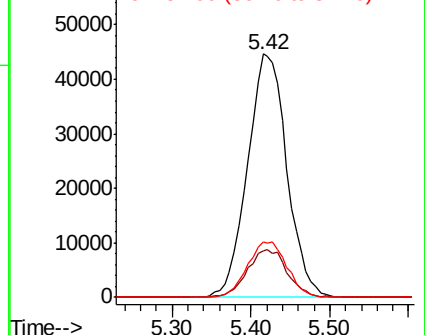
73 100

43 19.9 15.5 23.3

57 22.9 18.2 27.4



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



#18

trans-1,2-Dichloroethene

Concen: 26.316 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

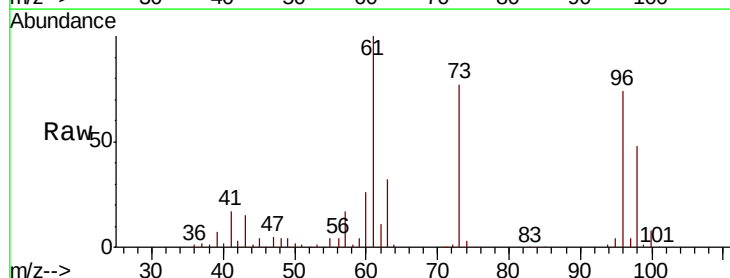
Tgt Ion: 96 Resp: 129119

Ion Ratio Lower Upper

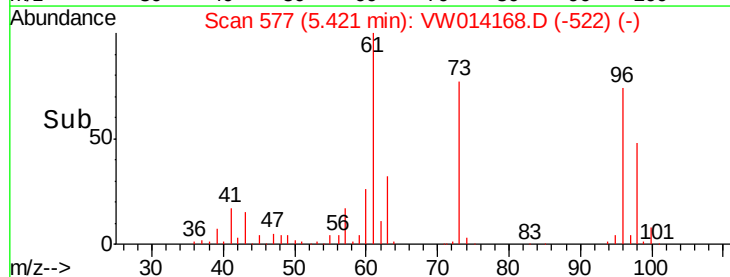
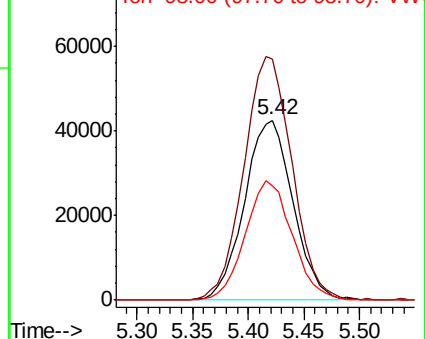
96 100

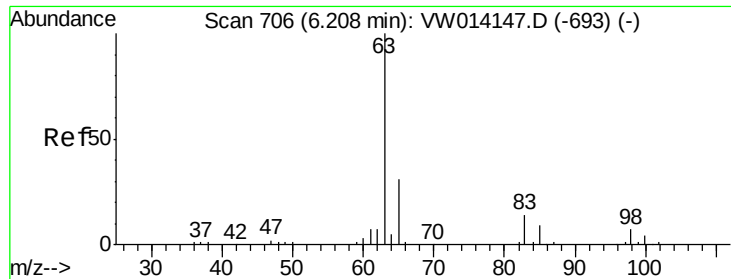
61 134.3 90.6 168.2

98 63.9 42.9 79.7



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

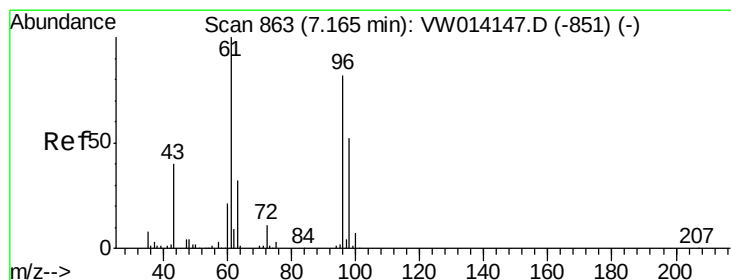
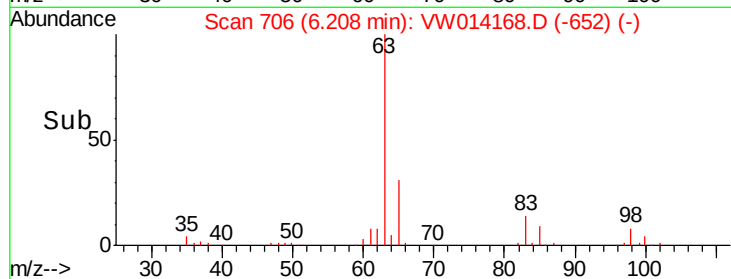
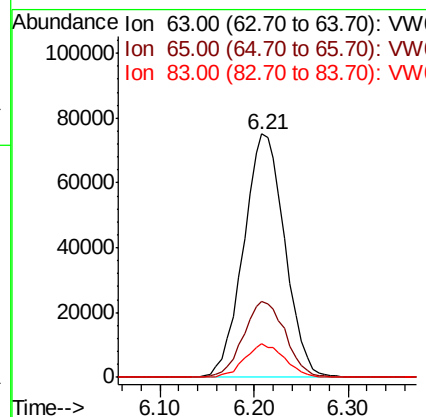
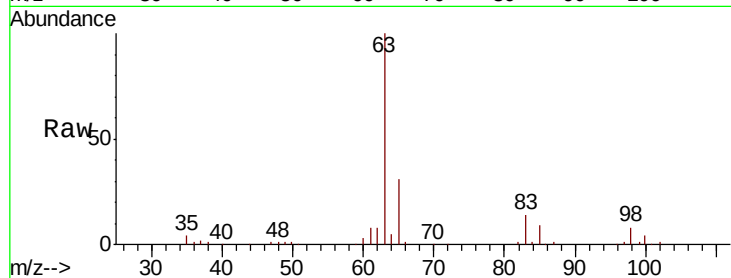




#19
 1,1-Dichloroethane
 Concen: 27.819 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

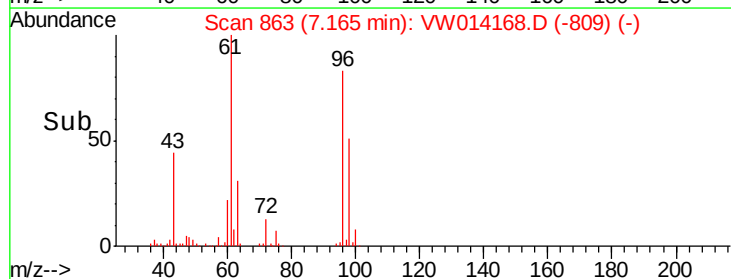
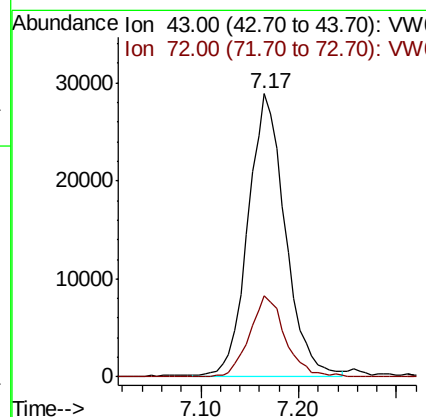
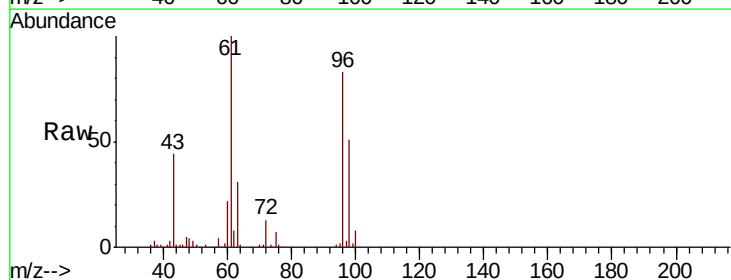
Instrument :
 MSVOA_W
 ClientSampled :

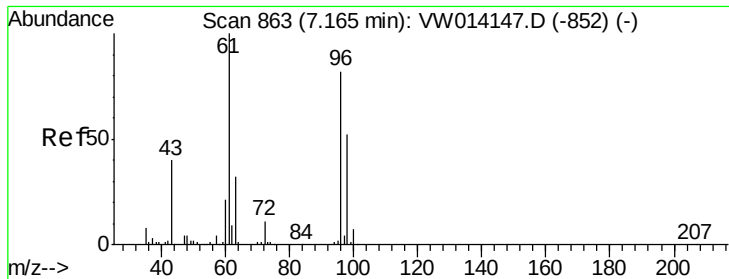
Tot Ion: 63 Resp: 229915
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.1 41.1
 83 14.0 9.0 16.6



#21
 2-Butanone
 Concen: 45.265 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

Tgt Ion: 43 Resp: 76449
 Ion Ratio Lower Upper
 43 100
 72 27.1 14.1 42.2



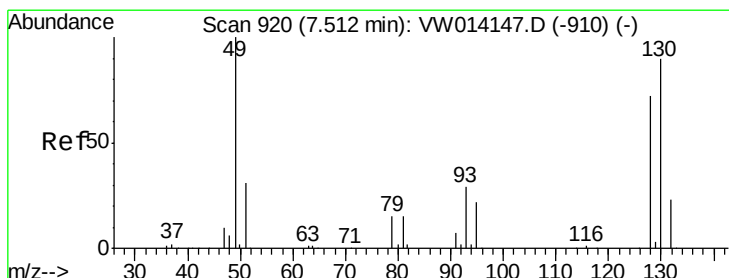
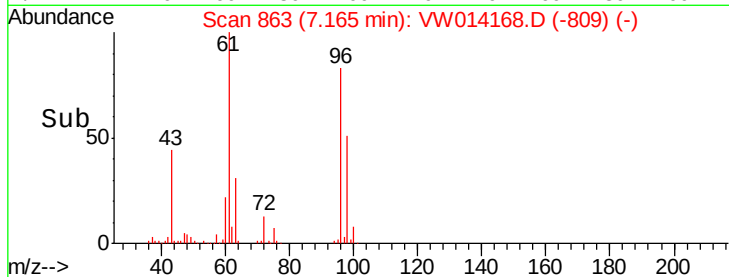
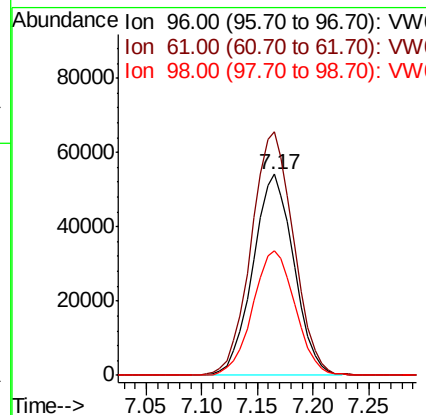
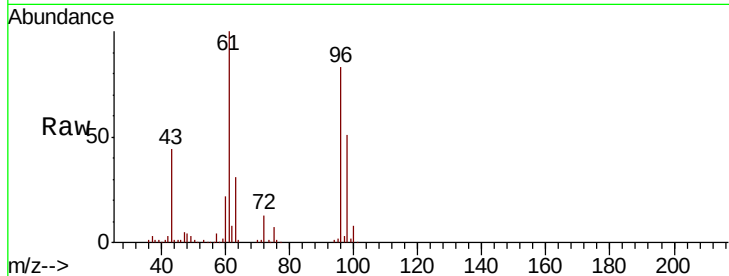


#22

cis-1,2-Dichloroethene
Concen: 26.918 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

Instrument :
MSVOA_W
ClientSampled :

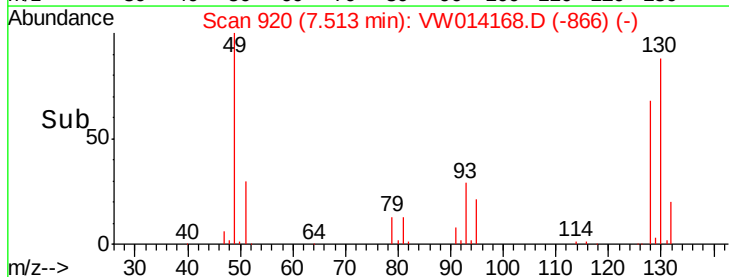
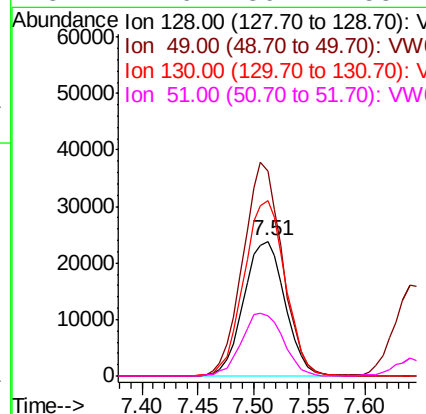
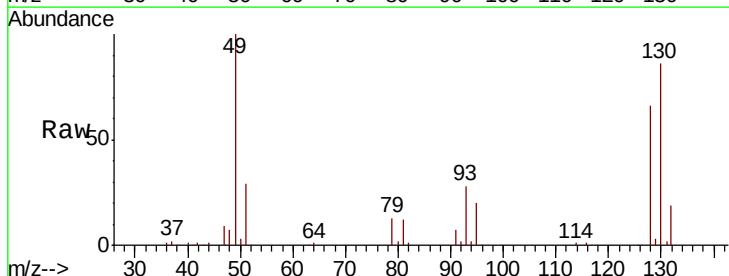
Tot Ion: 96 Resp: 138984
Ion Ratio Lower Upper
96 100
61 121.0 86.9 161.5
98 62.2 45.5 84.5

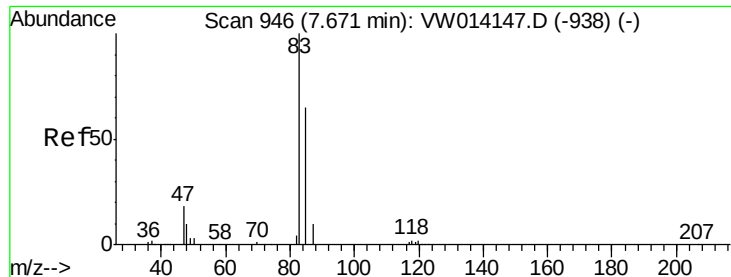


#23

Bromochloromethane
Concen: 27.186 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

Tgt Ion: 128 Resp: 61617
Ion Ratio Lower Upper
128 100
49 152.2 95.1 176.5
130 130.6 85.0 158.0
51 44.6 36.7 55.1





#25

Chloroform

Concen: 28.349 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

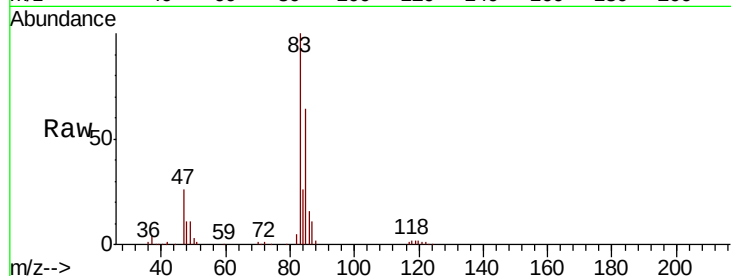
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 230087

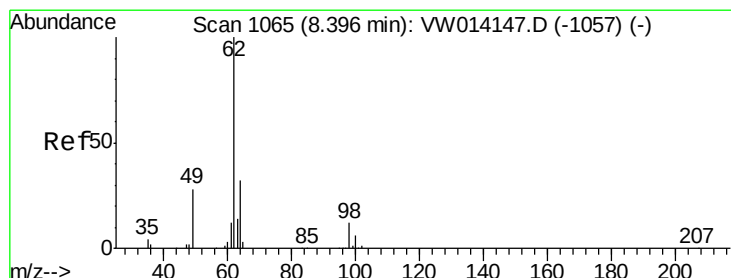
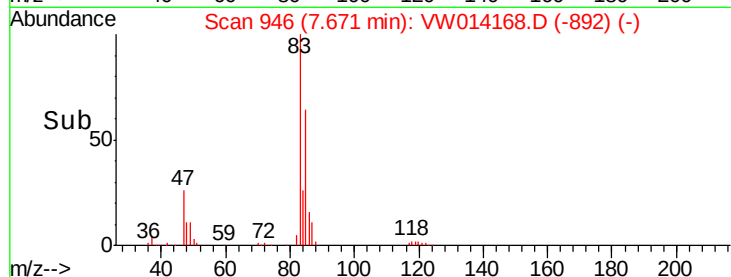
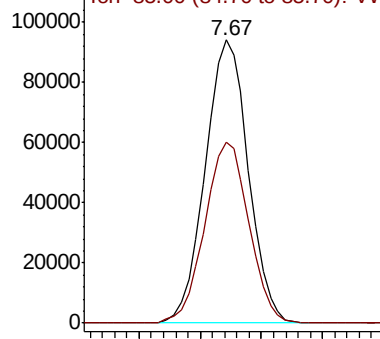
Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 28.163 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014168.D

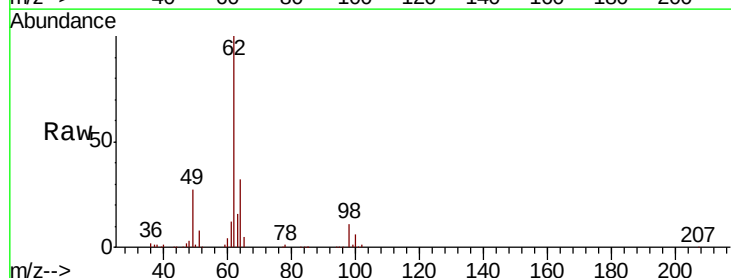
Acq: 27 Nov 2019 19:42

Tgt Ion: 62 Resp: 138386

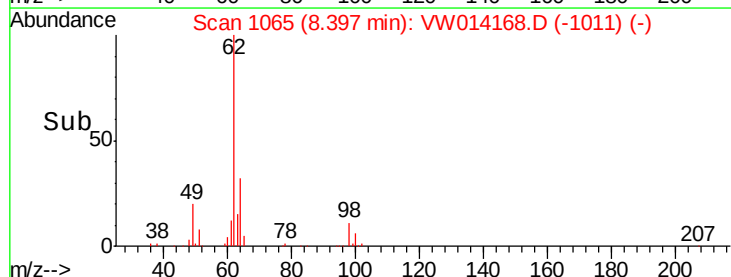
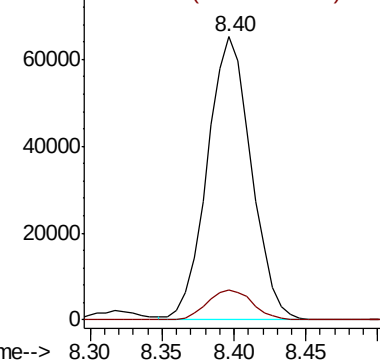
Ion Ratio Lower Upper

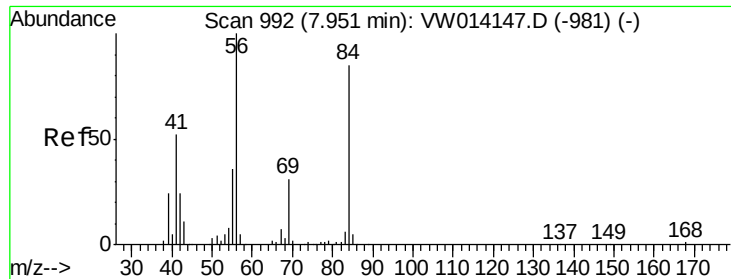
62 100

98 10.7 9.3 13.9



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 98.00 (97.70 to 98.70): VW

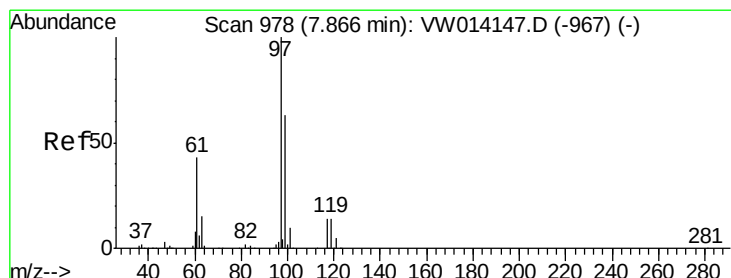
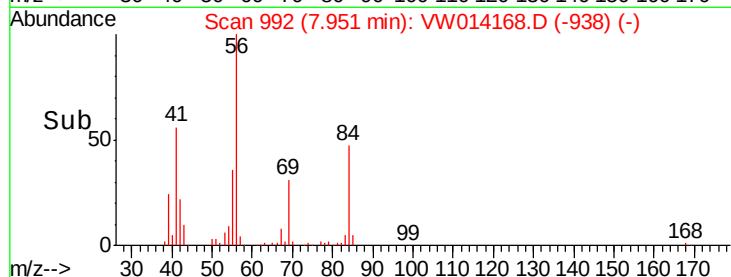
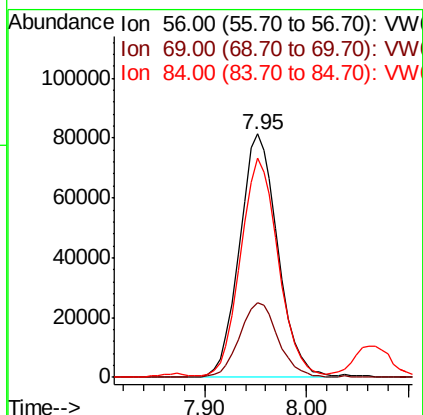
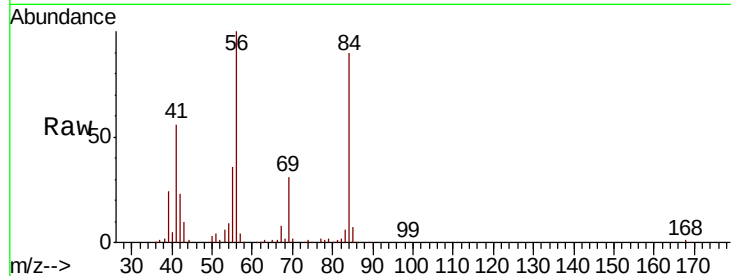




#30
Cyclohexane
Concen: 24.829 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

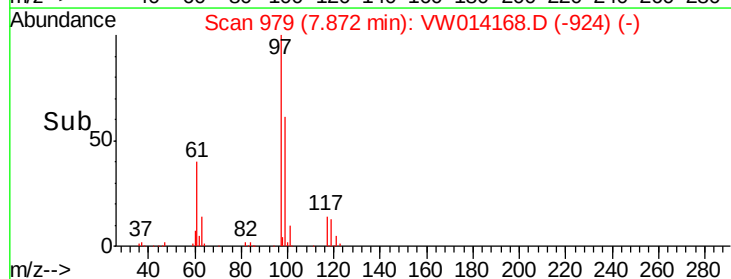
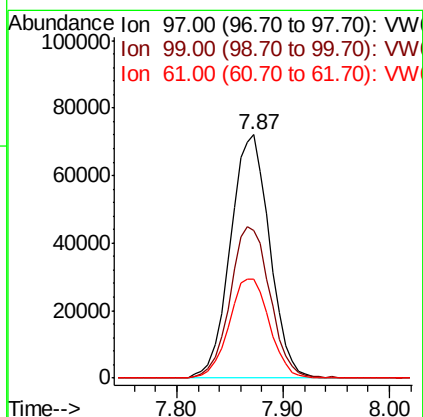
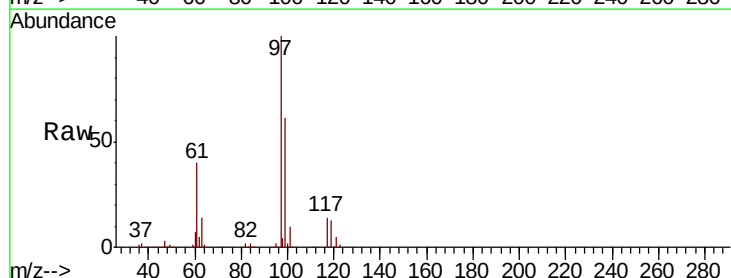
Instrument :
MSVOA_W
ClientSampled :

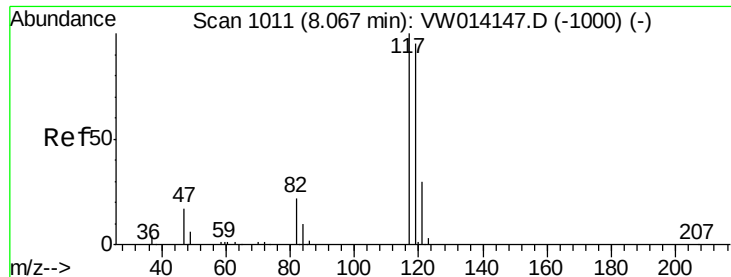
Tot Ion	56	Resp	212322
Ion Ratio	Lower	Upper	
56	100		
69	31.0	24.6	37.0
84	89.3	70.2	105.2



#31
1,1,1-Trichloroethane
Concen: 27.789 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

Tgt Ion	97	Resp	186090
Ion Ratio	Lower	Upper	
97	100		
99	63.2	51.1	76.7
61	41.9	32.8	49.2





#32

Carbon tetrachloride

Concen: 28.271 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

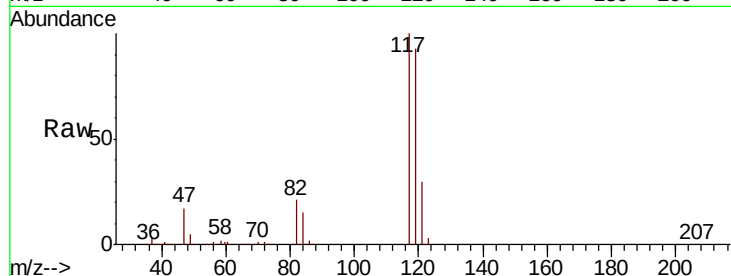
ClientSampleId :

Tot Ion:117 Resp: 181732

Ion Ratio Lower Upper

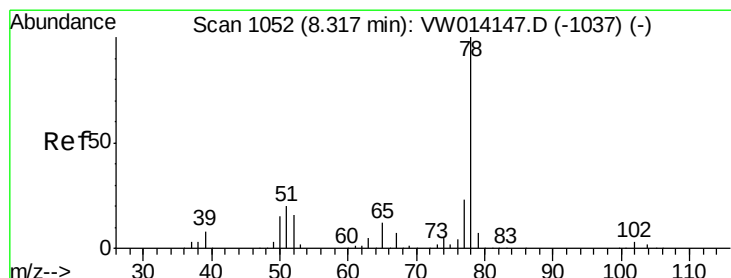
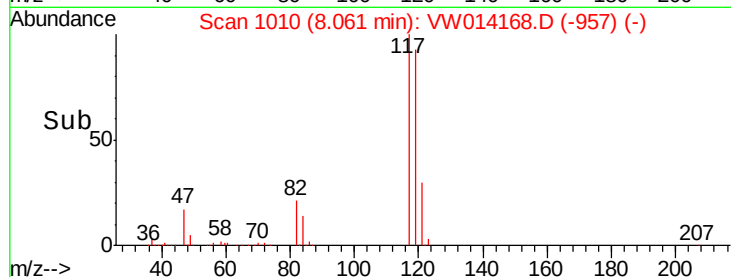
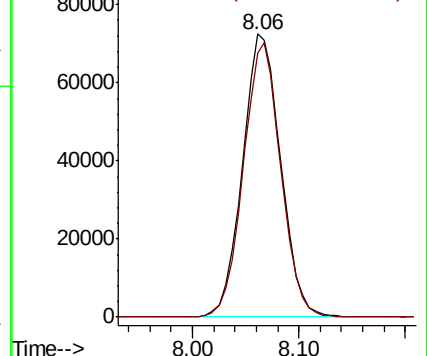
117 100

119 95.0 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.131 ug/L

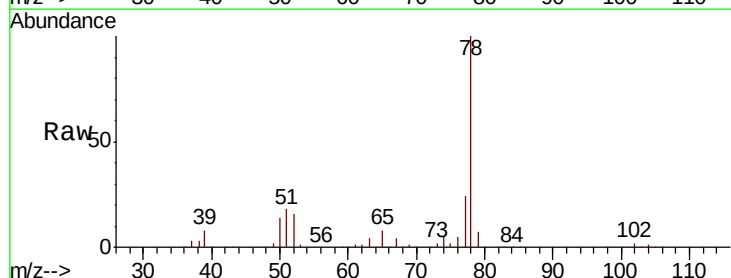
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

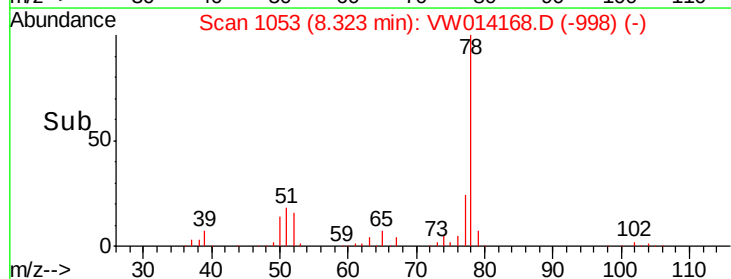
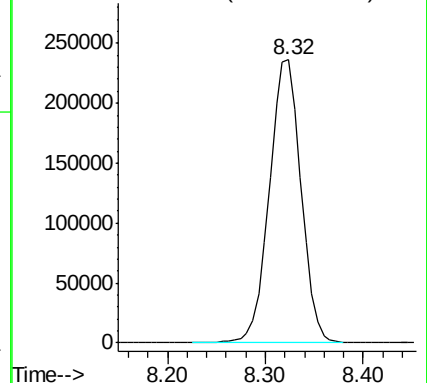
Lab File: VW014168.D

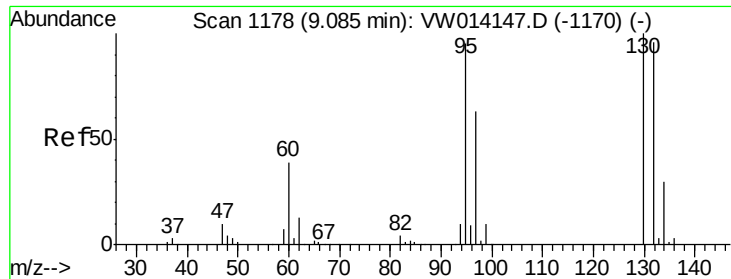
Acq: 27 Nov 2019 19:42

Tgt Ion: 78 Resp: 531755



Abundance Ion 78.00 (77.70 to 78.70): VW

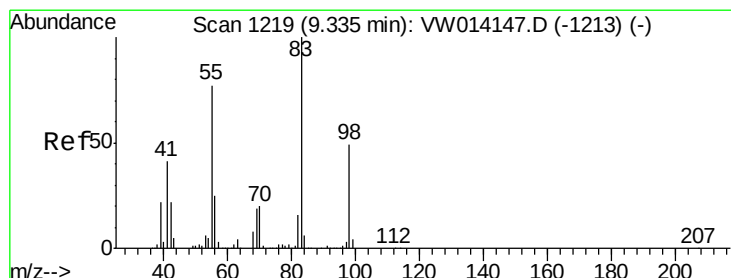
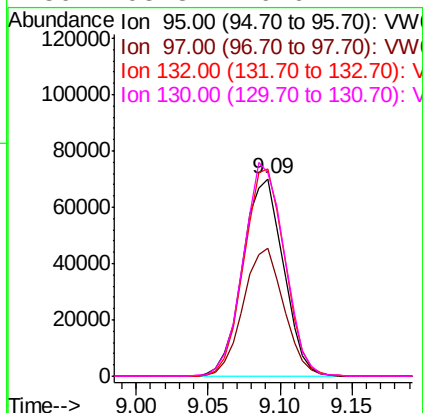
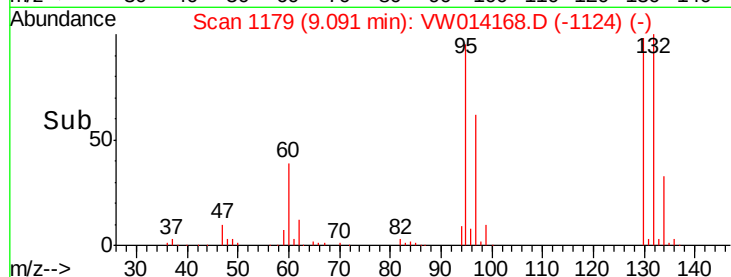
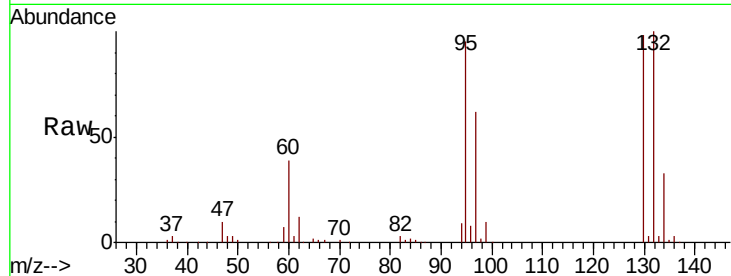




#35
 Trichloroethene
 Concen: 26.348 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

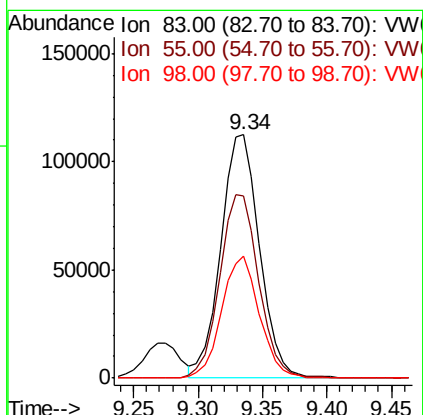
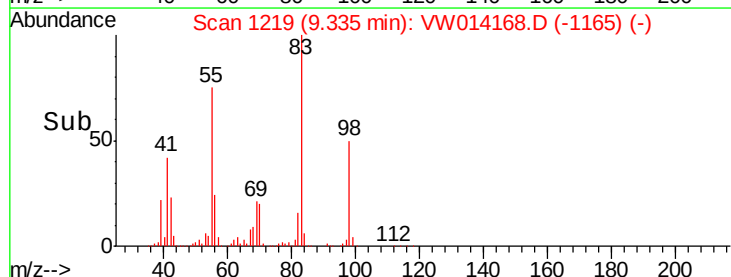
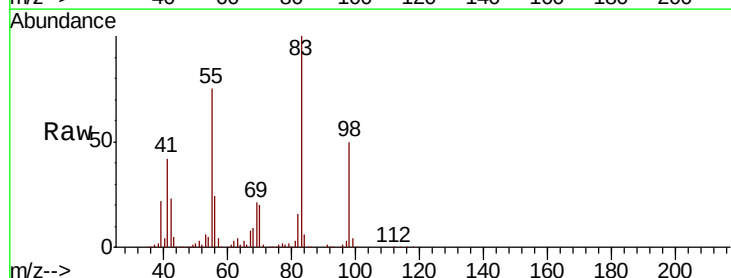
Instrument :
 MSVOA_W
 ClientSampled :

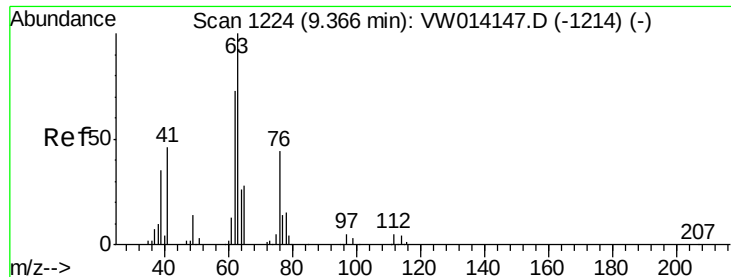
Tot Ion: 95 Resp: 137755
 Ion Ratio Lower Upper
 95 100
 97 64.7 45.1 83.9
 132 105.4 73.7 136.9
 130 108.8 76.6 142.2



#36
 Methylcyclohexane
 Concen: 25.307 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

Tgt Ion: 83 Resp: 237238
 Ion Ratio Lower Upper
 83 100
 55 74.8 59.8 89.8
 98 48.1 39.5 59.3

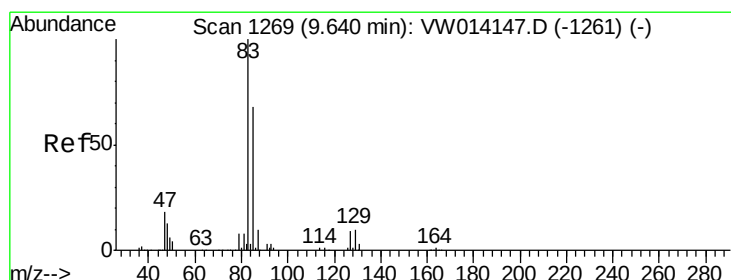
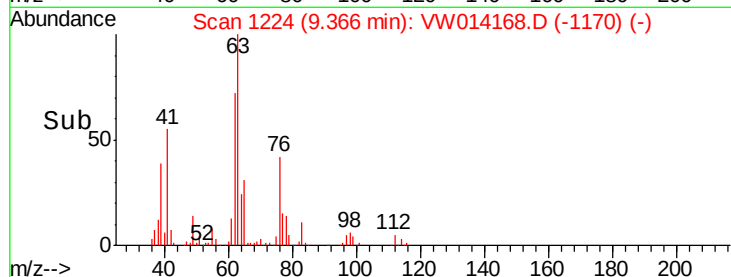
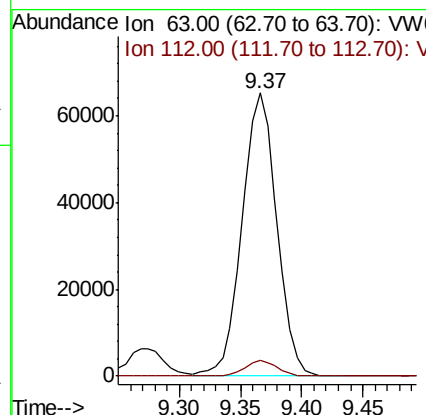
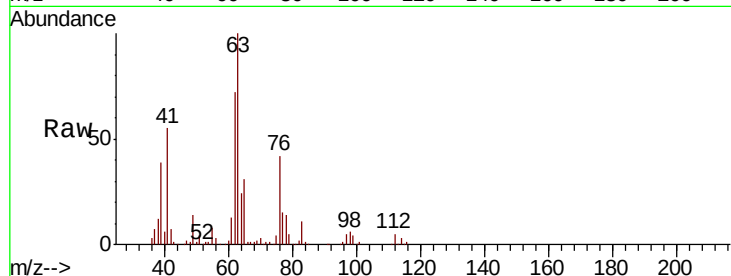




#40
 1,2-Dichloropropane
 Concen: 27.176 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

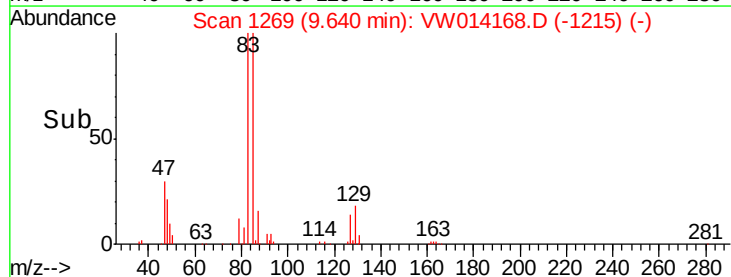
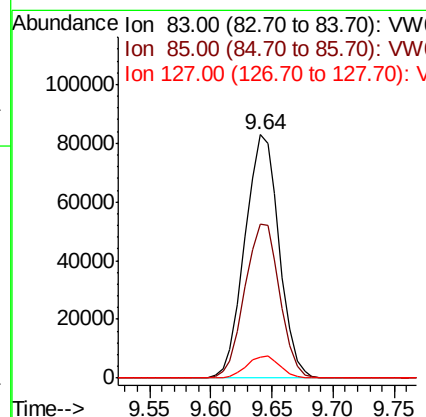
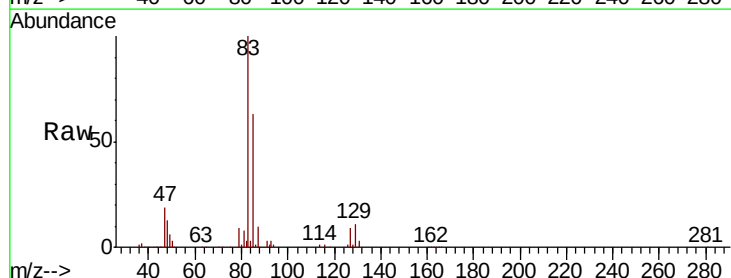
Instrument :
 MSVOA_W
 ClientSampleId :

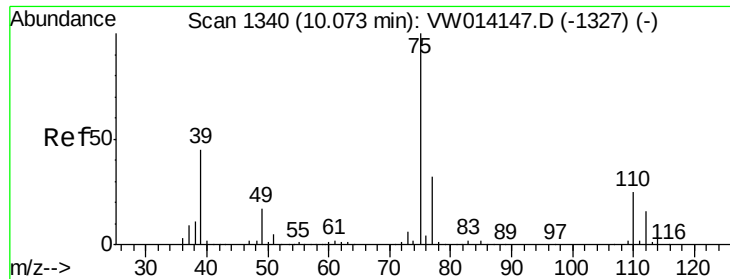
Tot Ion: 63 Resp: 128223
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.9 5.9



#41
 Bromodichloromethane
 Concen: 28.280 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

Tgt Ion: 83 Resp: 161310
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.1 83.7
 127 8.6 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 26.498 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

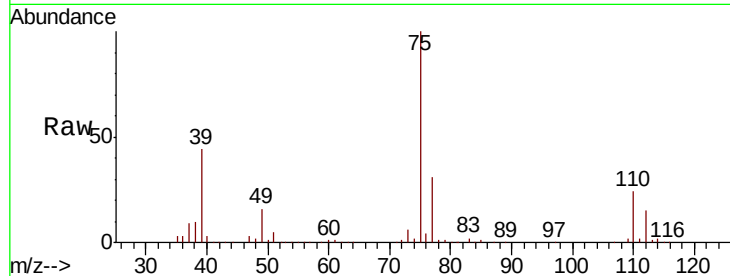
ClientSampled :

Tot Ion: 75 Resp: 197297

Ion Ratio Lower Upper

75 100

77 31.4 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

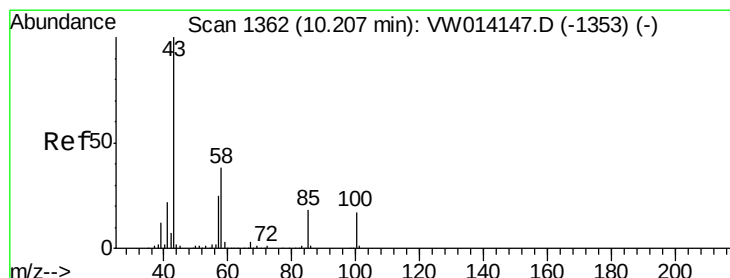
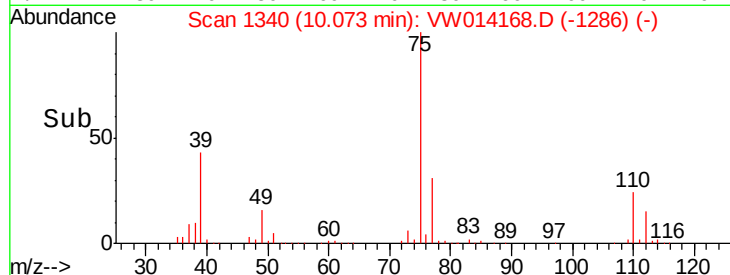
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 51.145 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

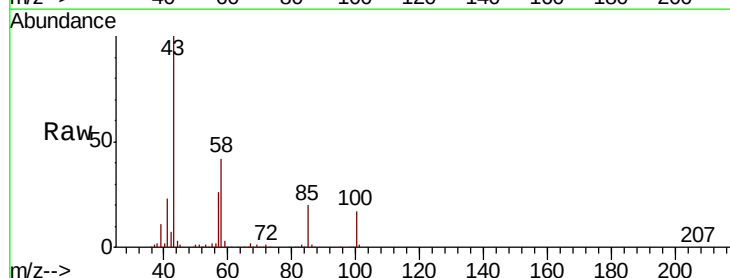
Tgt Ion: 43 Resp: 159327

Ion Ratio Lower Upper

43 100

58 41.0 32.6 49.0

100 17.2 13.8 20.8



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

200000

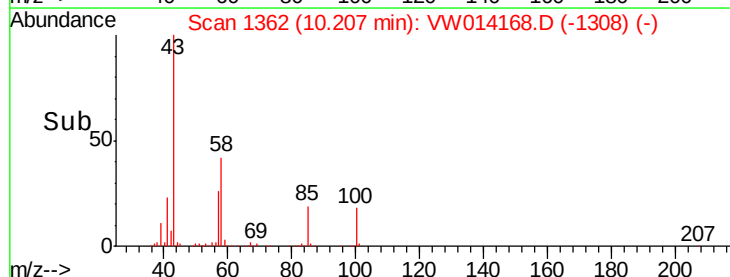
150000

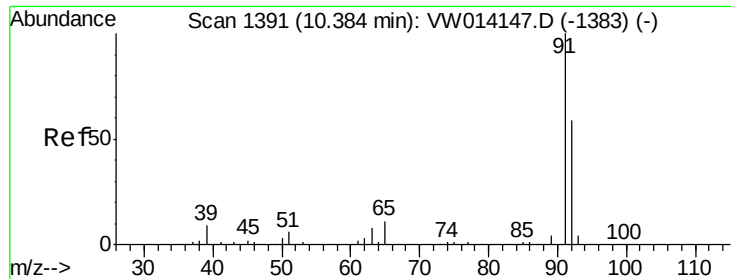
100000

50000

0

Time-->





#44

Toluene

Concen: 27.380 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

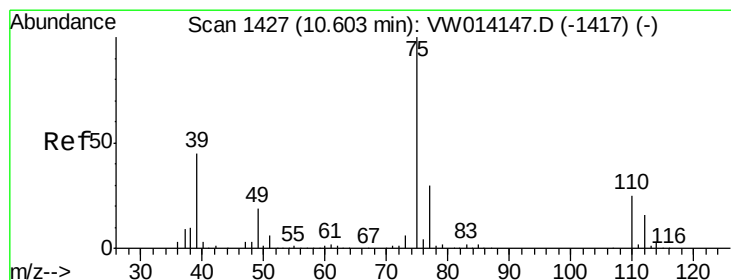
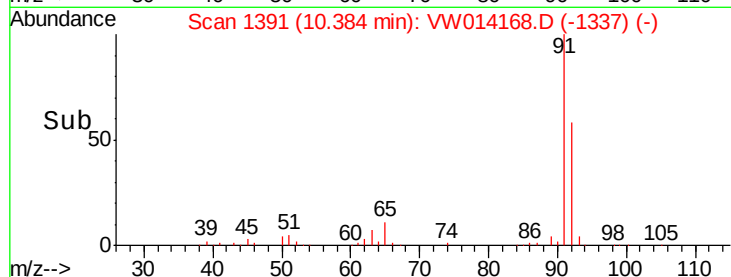
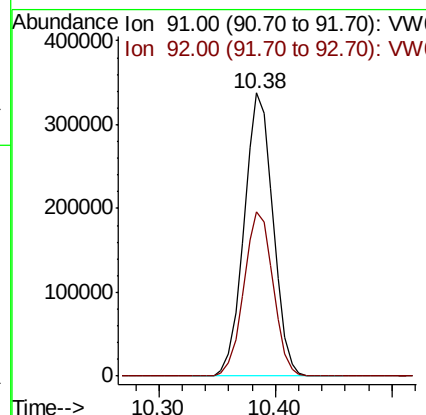
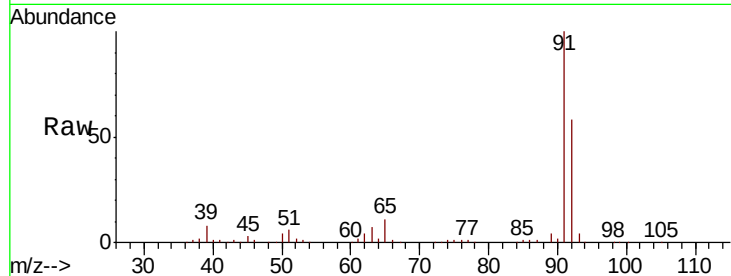
ClientSampleId :

Tot Ion: 91 Resp: 585083

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 26.280 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014168.D

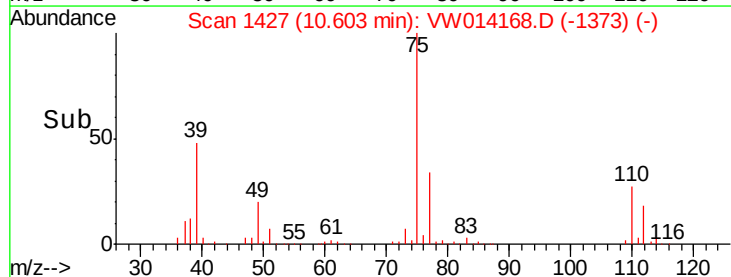
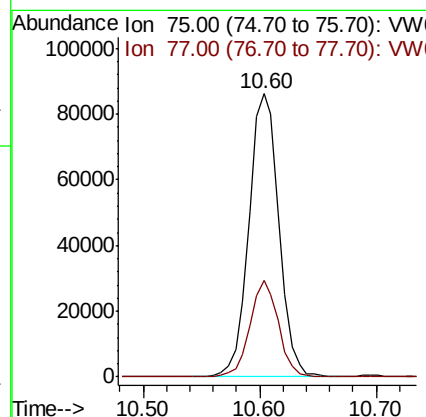
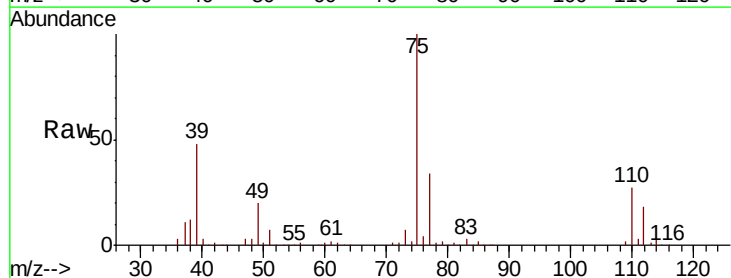
Acq: 27 Nov 2019 19:42

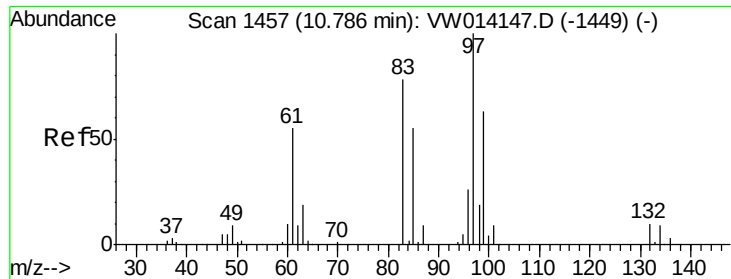
Tgt Ion: 75 Resp: 154737

Ion Ratio Lower Upper

75 100

77 34.1 21.8 40.6

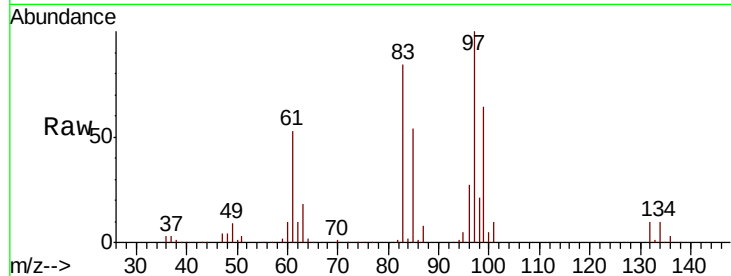




#46
1,1,2-Trichloroethane
Concen: 27.202 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.2	58.9	109.5
85	53.7	38.1	70.9
99	64.2	46.5	86.3



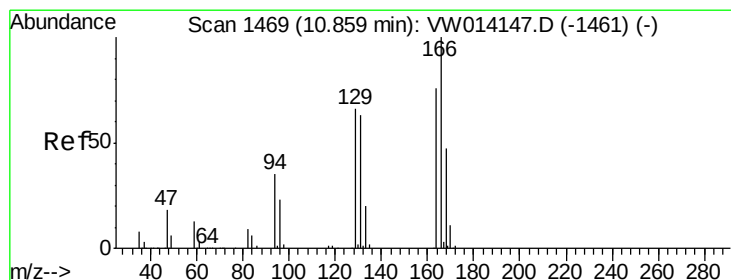
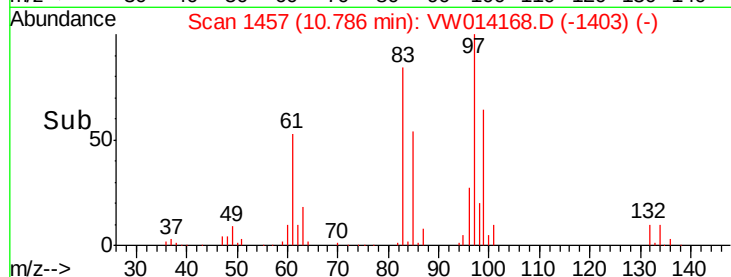
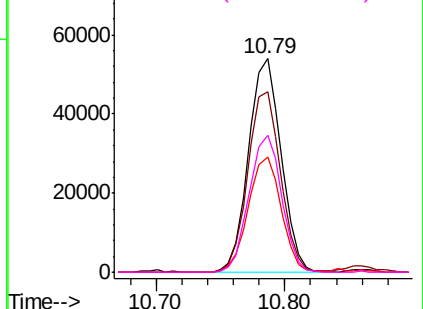
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 26.813 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
164	100		
129	93.0	60.6	112.6
131	87.9	59.1	109.7
166	132.6	90.8	168.6

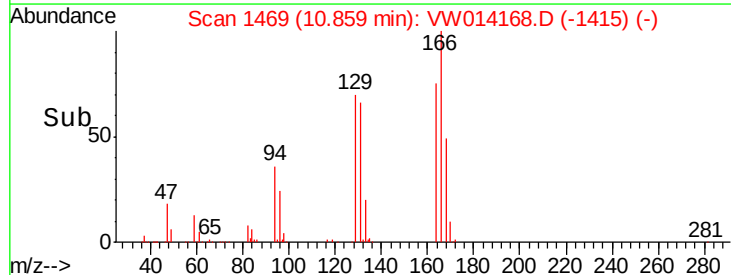
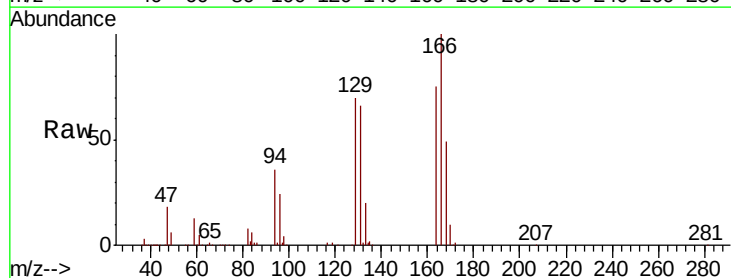
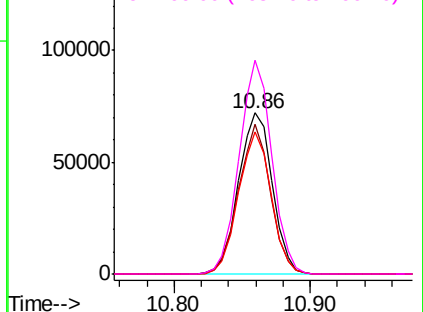
Abundance

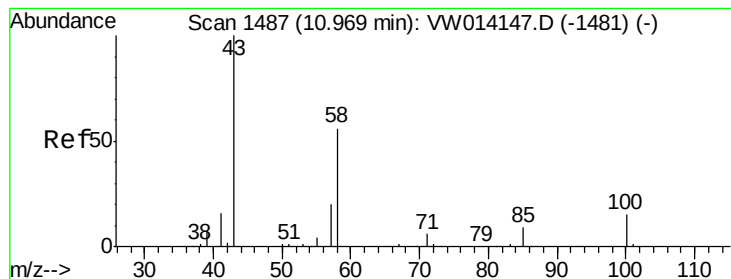
Ion 164.00 (163.70 to 164.70): V

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: 48.495 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 108917

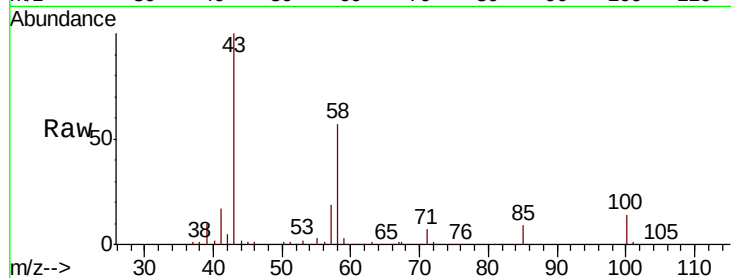
Ion Ratio Lower Upper

43 100

58 58.8 44.4 66.6

57 19.9 16.5 24.7

100 14.3 11.1 16.7

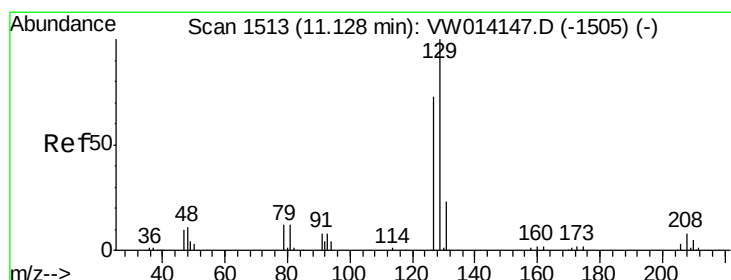
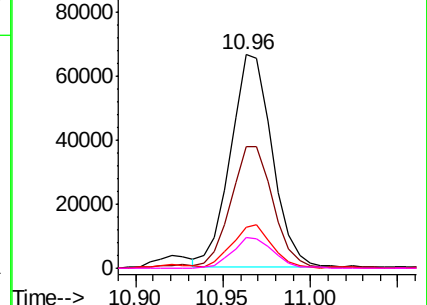
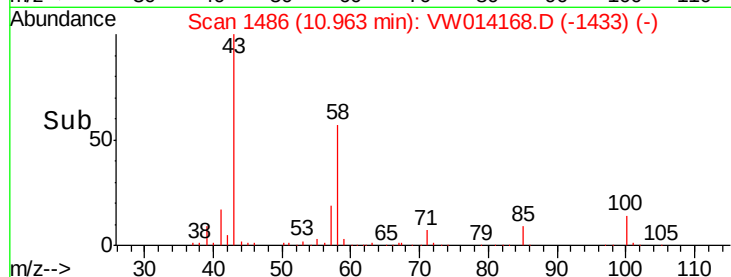


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 27.519 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014168.D

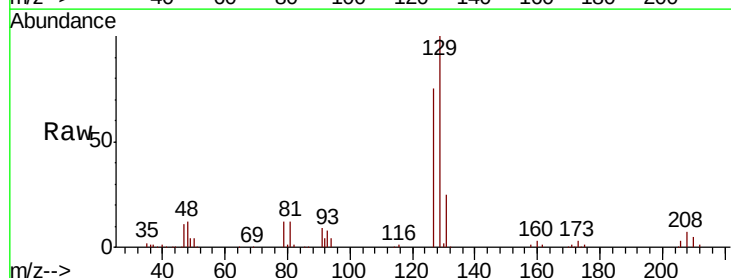
Acq: 27 Nov 2019 19:42

Tgt Ion: 129 Resp: 112134

Ion Ratio Lower Upper

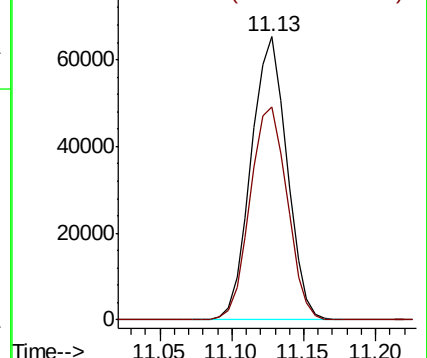
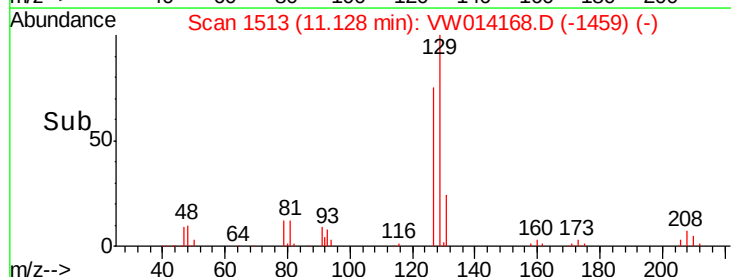
129 100

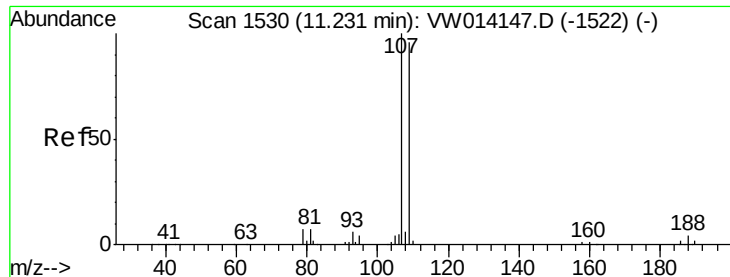
127 75.2 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

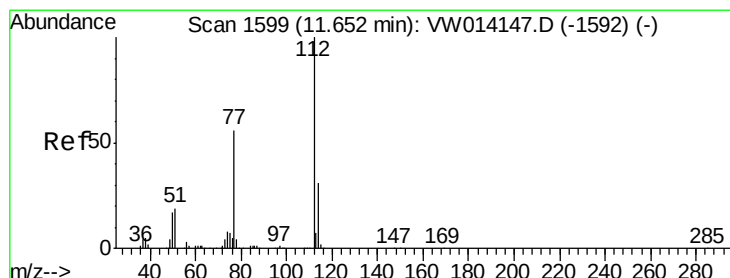
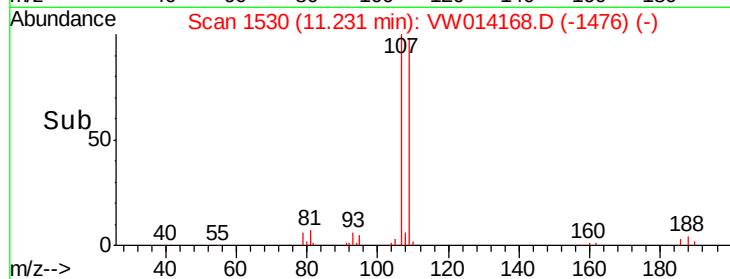
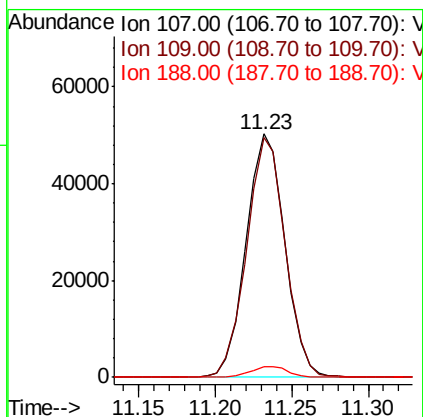
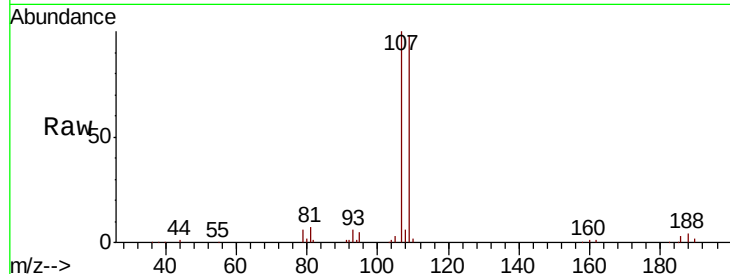




#51
1,2-Dibromoethane
Concen: 26.336 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

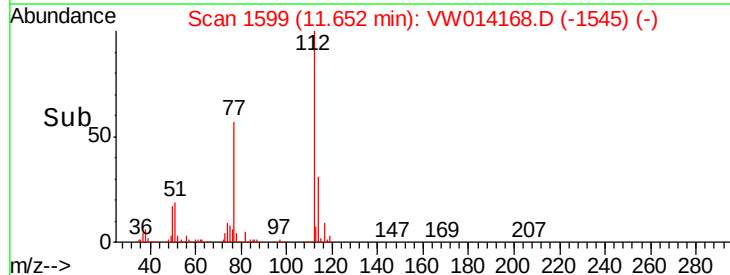
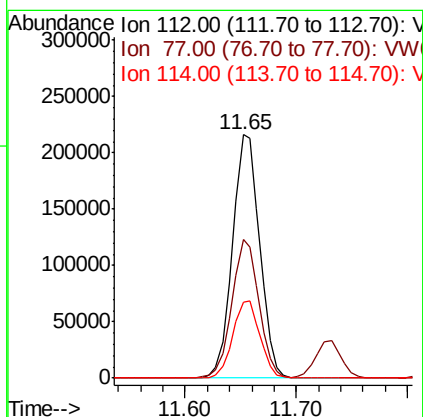
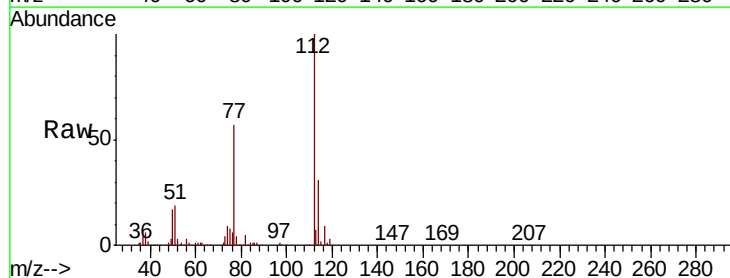
Instrument :
MSVOA_W
ClientSampleId :

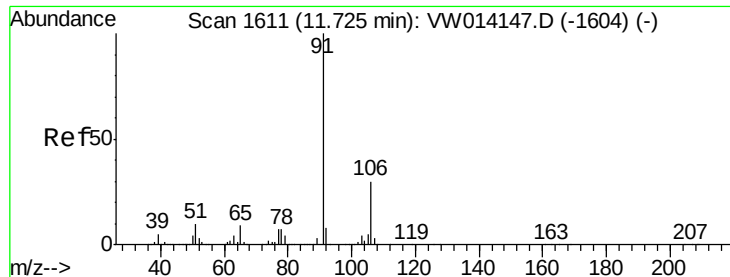
Tot Ion	Ratio	Lower	Upper
107	100		
109	98.5	64.6	120.0
188	4.4	3.9	5.9



#52
Chlorobenzene
Concen: 27.198 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.8	42.2	63.4
114	31.1	22.5	41.9

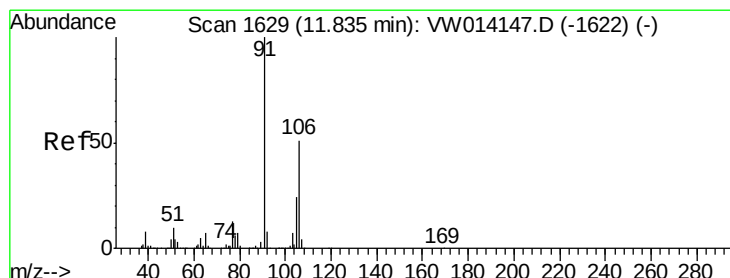
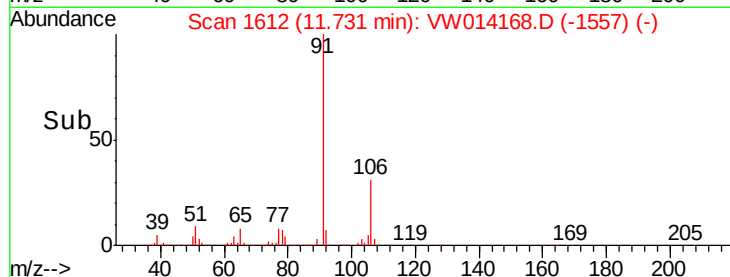
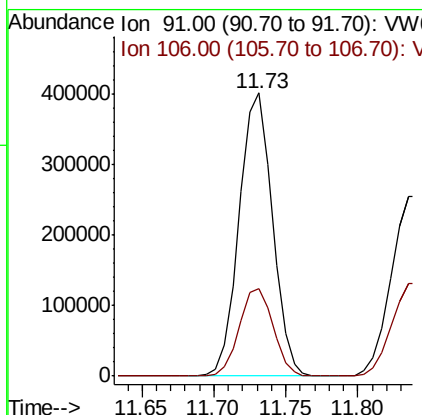
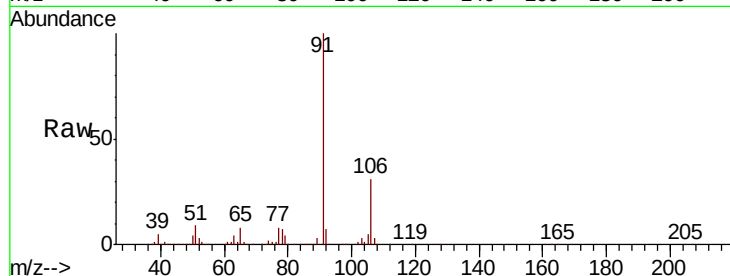




#53
Ethylbenzene
Concen: 27.477 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

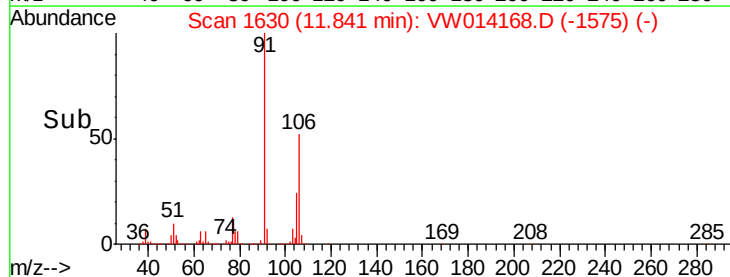
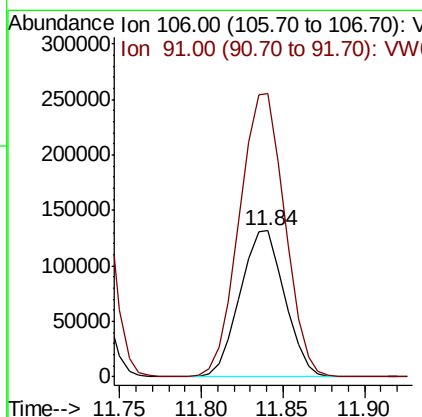
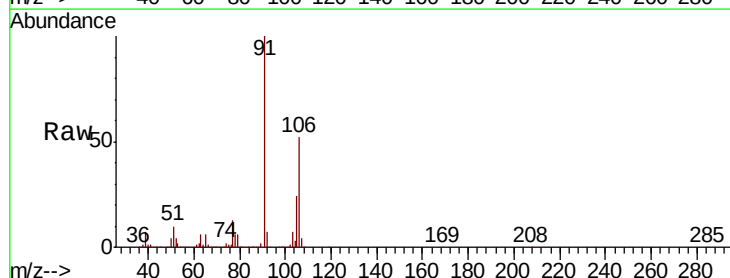
Instrument :
MSVOA_W
ClientSampleId :

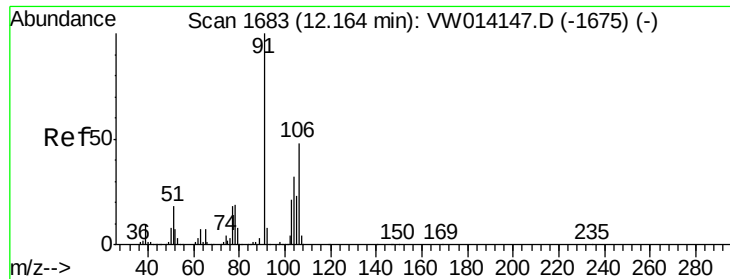
Tot Ion: 91 Resp: 644333
Ion Ratio Lower Upper
91 100
106 30.9 22.3 41.5



#54
m,p-Xylene
Concen: 27.548 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014168.D
Acq: 27 Nov 2019 19:42

Tgt Ion: 106 Resp: 251042
Ion Ratio Lower Upper
106 100
91 193.5 138.7 257.5





#55

o-xylene

Concen: 27.455 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

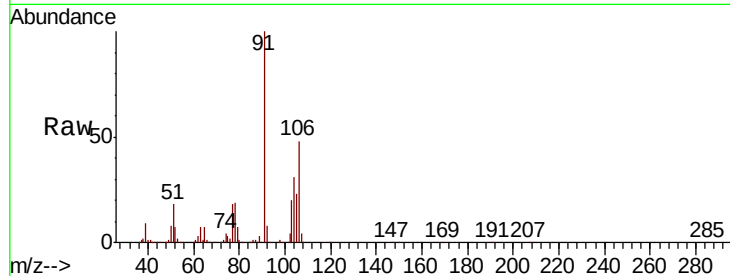
ClientSampled :

Tot Ion:106 Resp: 234293

Ion Ratio Lower Upper

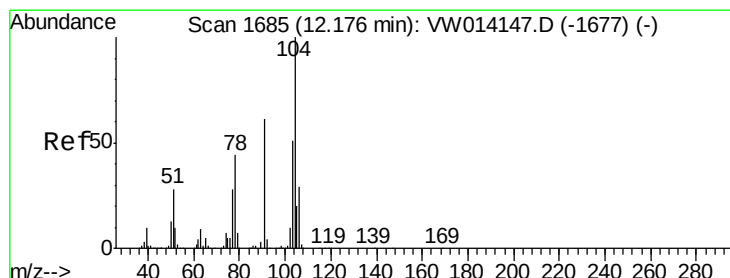
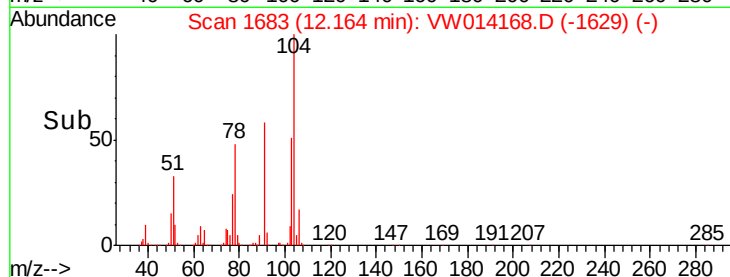
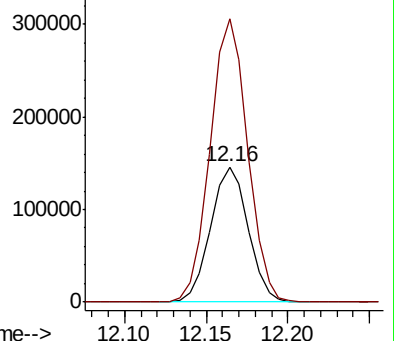
106 100

91 209.3 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.166 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014168.D

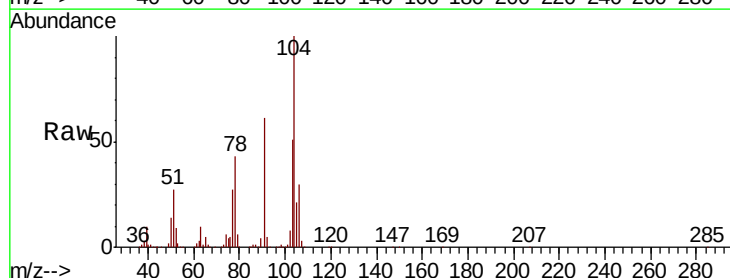
Acq: 27 Nov 2019 19:42

Tgt Ion:104 Resp: 406034

Ion Ratio Lower Upper

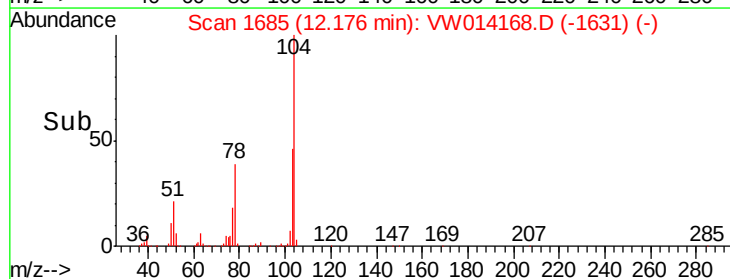
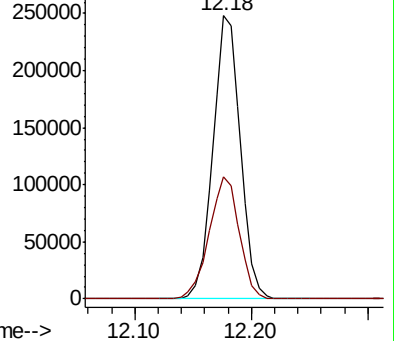
104 100

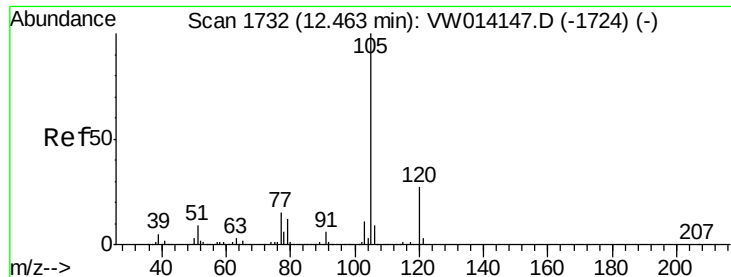
78 42.9 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.615 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014168.D

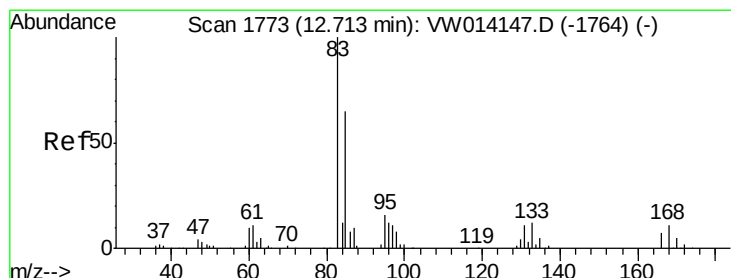
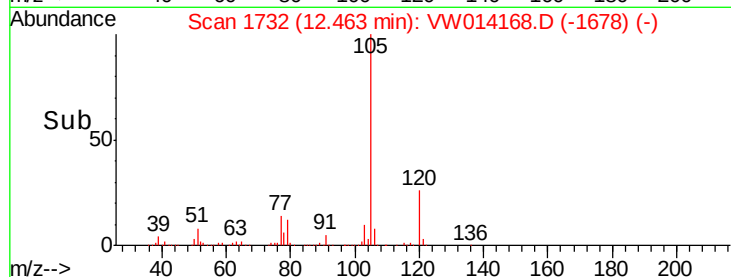
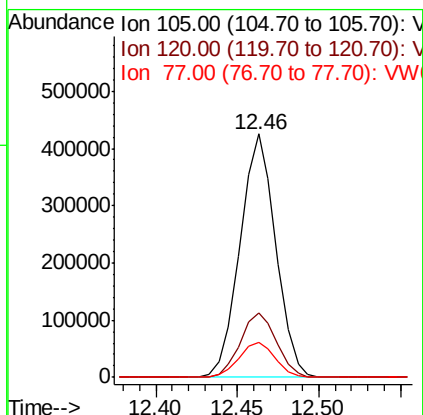
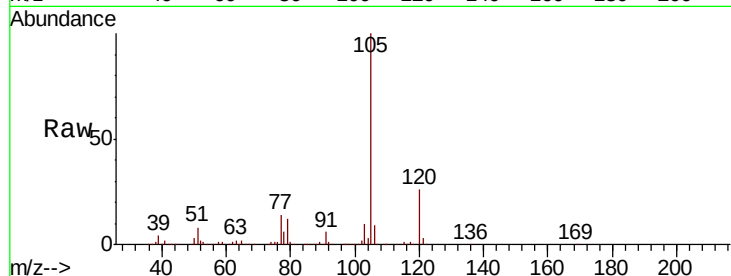
Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	105	Resp:	647933
Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.6	32.4
77	14.6	11.6	17.4



#58

1,1,2,2-Tetrachloroethane

Concen: 27.999 ug/L

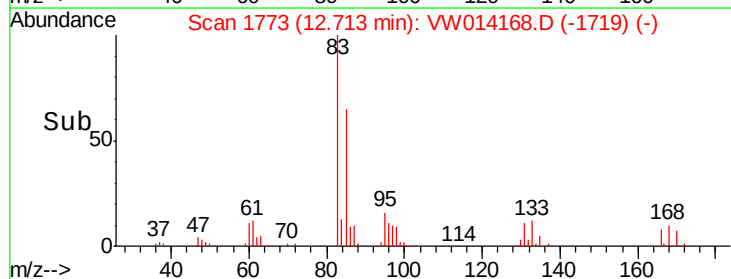
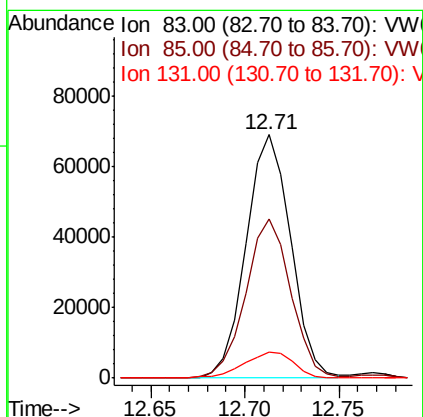
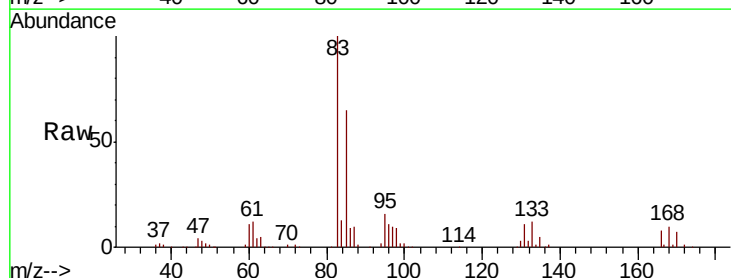
RT: 12.71 min Scan# 1773

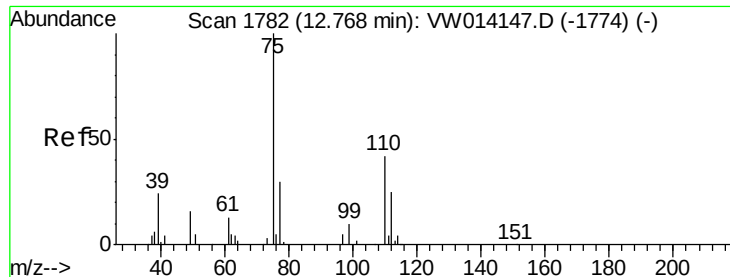
Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Tgt Ion:	83	Resp:	113325
Ion	Ratio	Lower	Upper
83	100		
85	65.4	43.7	81.1
131	10.6	8.2	12.2





#59

1,2,3-Trichloropropane

Concen: 27.020 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

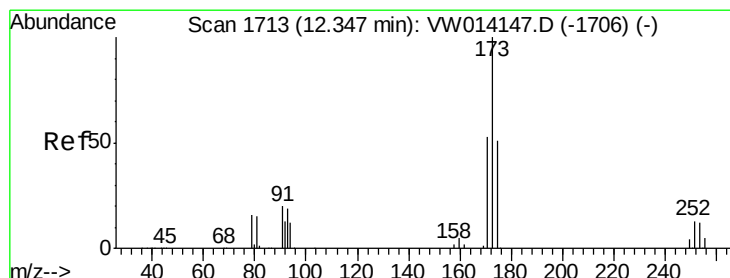
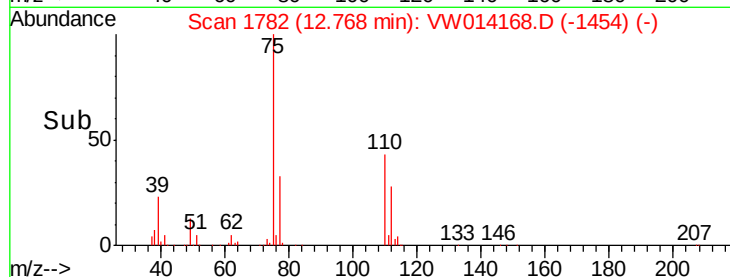
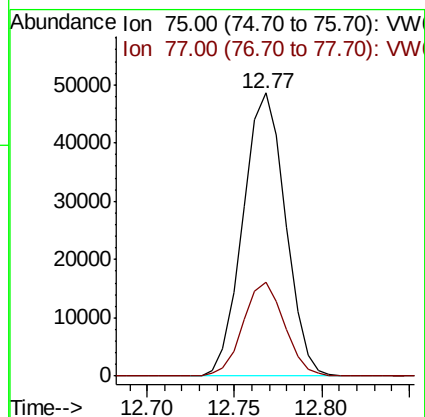
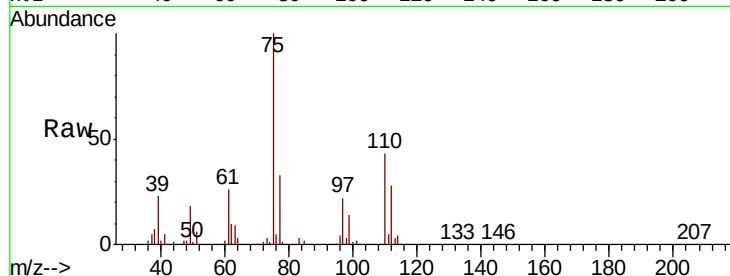
ClientSampled :

Tot Ion: 75 Resp: 82251

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#62

Bromoform

Concen: 25.916 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

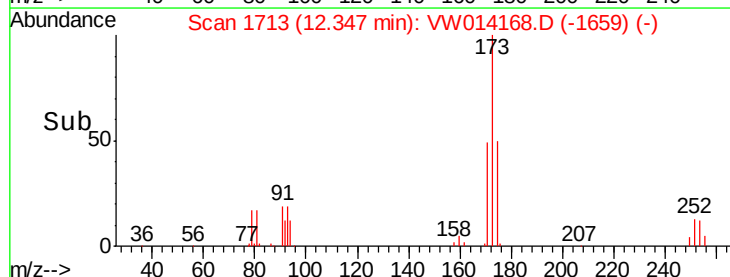
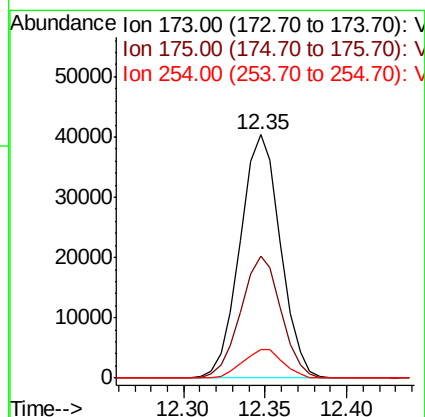
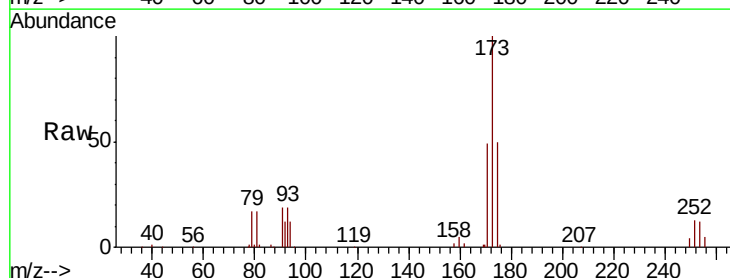
Tgt Ion: 173 Resp: 69910

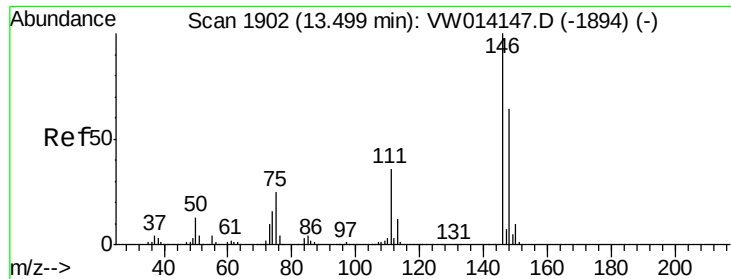
Ion Ratio Lower Upper

173 100

175 50.0 38.8 58.2

254 11.7 9.4 14.0

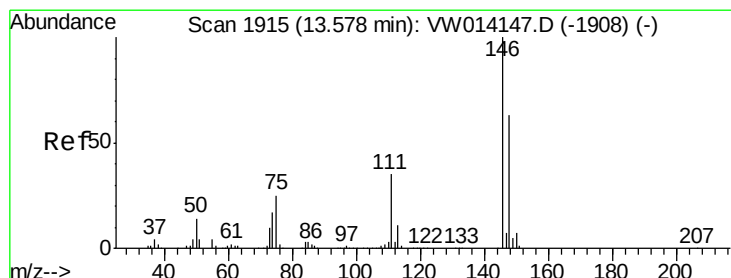
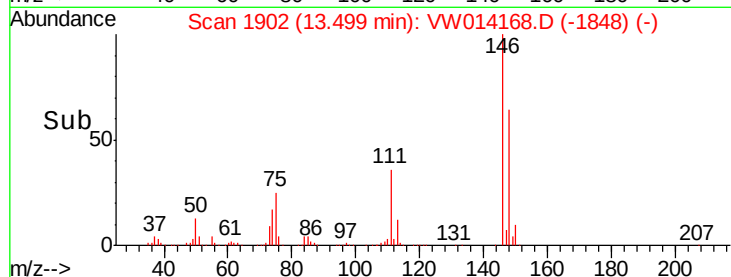
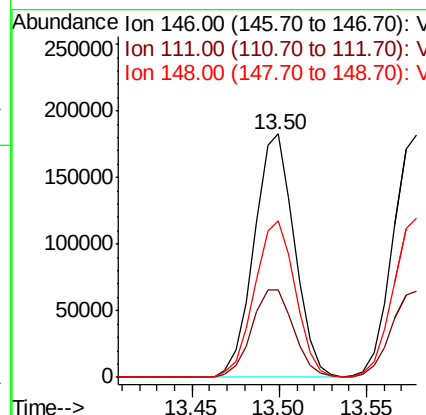
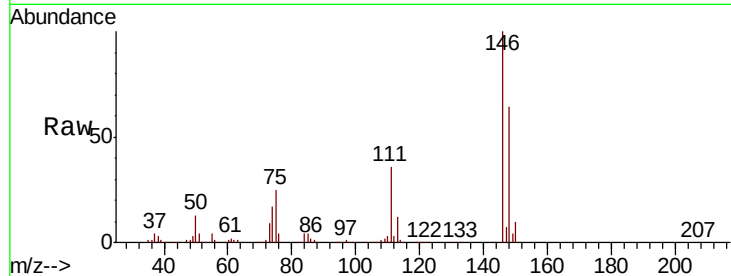




#63
 1,3-Dichlorobenzene
 Concen: 25.338 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

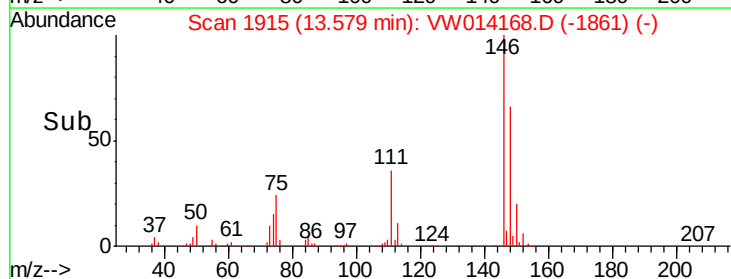
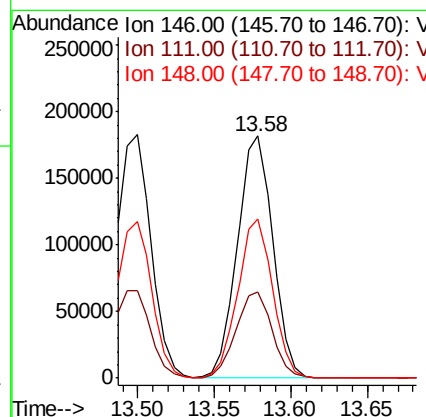
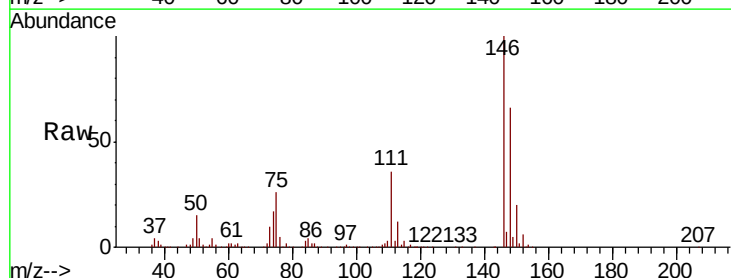
Instrument :
 MSVOA_W
 ClientSampleId :

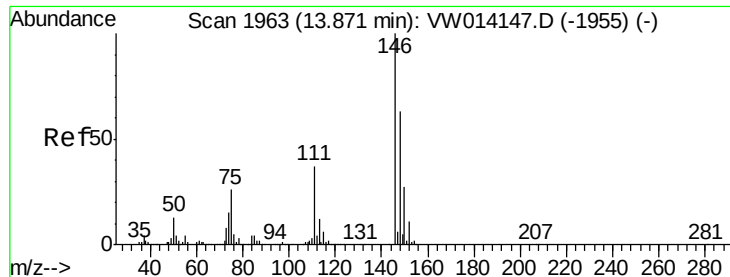
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	26.0	48.2
148	64.2	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.597 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	24.9	46.3
148	65.7	43.9	81.5

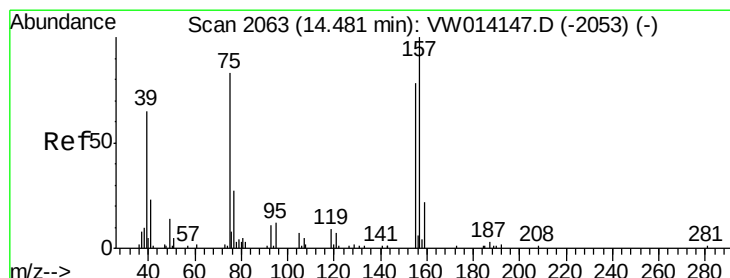
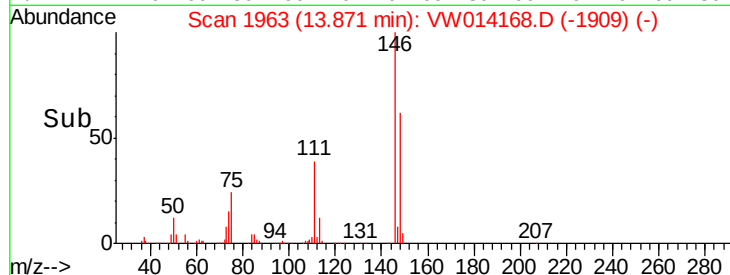
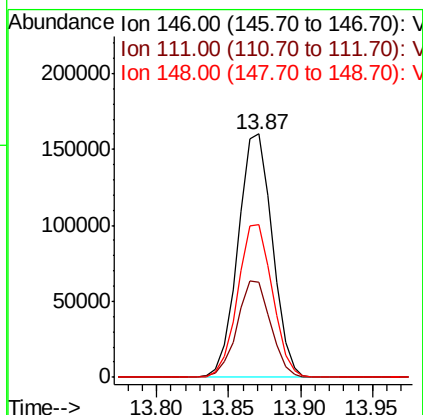
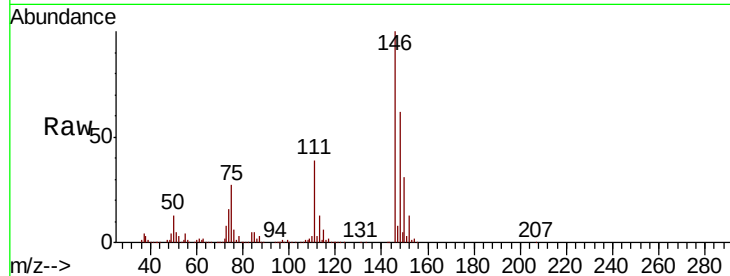




#65
 1,2-Dichlorobenzene
 Concen: 25.956 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

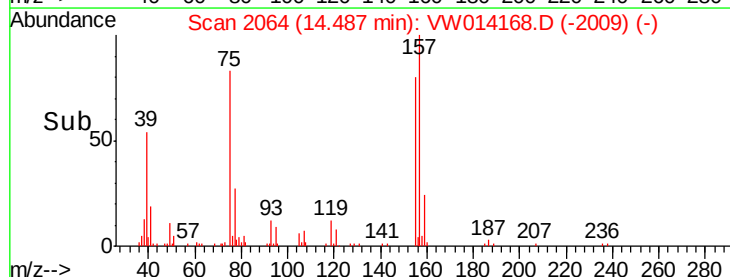
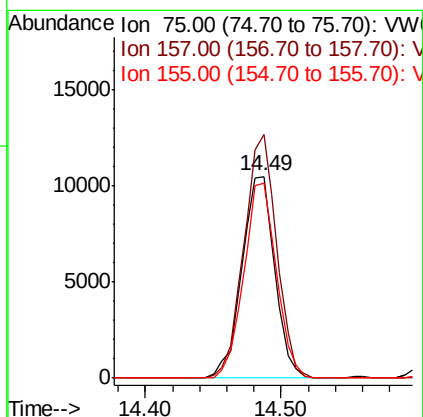
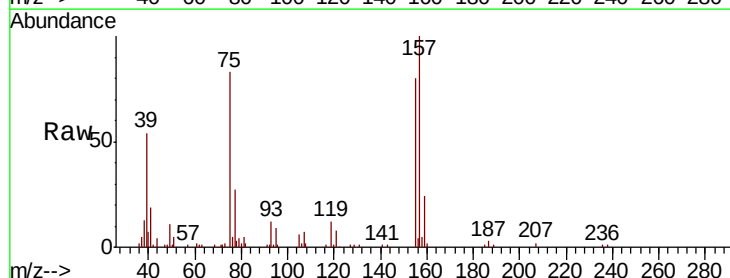
Instrument :
 MSVOA_W
 ClientSampleId :

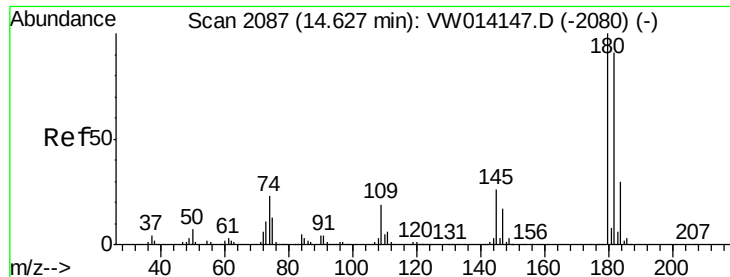
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	30.5	45.7
148	62.5	49.4	74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.309 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
157	120.6	96.9	145.3
155	96.3	82.9	124.3

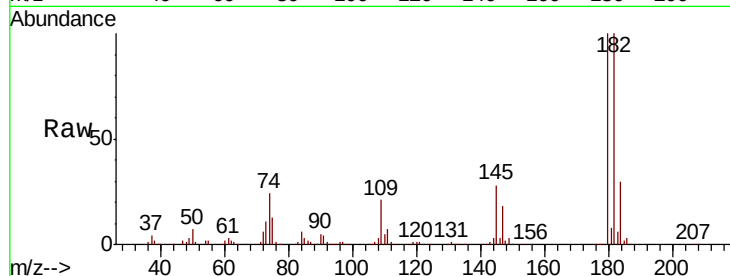




#67
 1,3,5-Trichlorobenzene
 Concen: 25.435 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	224034
Ion Ratio	Lower	Upper
180	100	
182	96.7	76.2 114.2
184	30.3	24.3 36.5
145	27.7	21.9 32.9



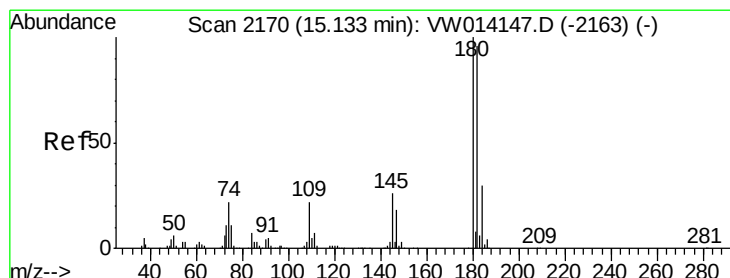
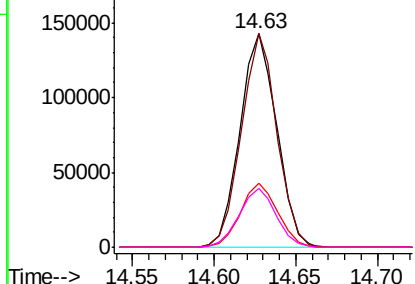
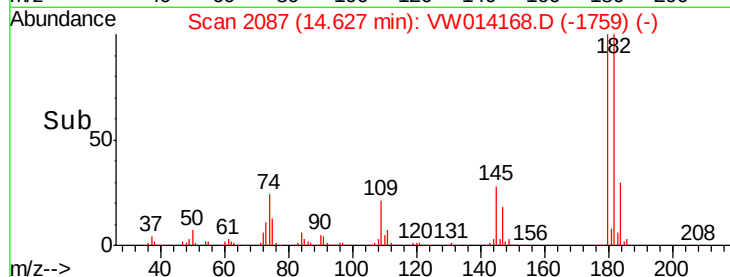
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

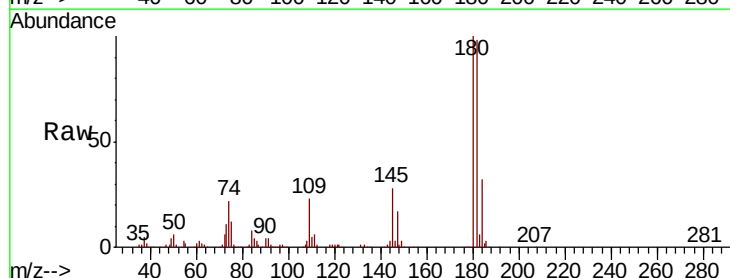
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.174 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014168.D
 Acq: 27 Nov 2019 19:42

Tgt Ion:180	Resp:	174356
Ion Ratio	Lower	Upper
180	100	
182	94.9	75.8 113.8
145	27.8	22.4 33.6

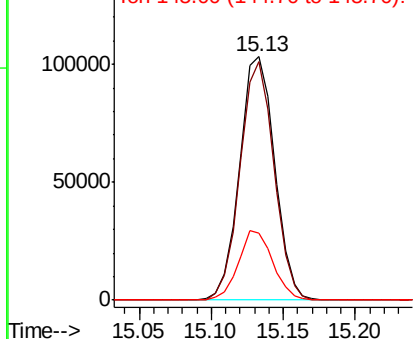
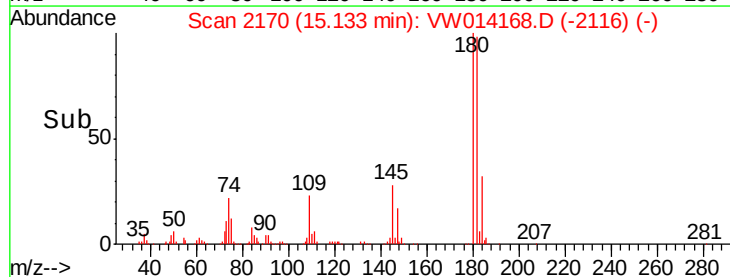


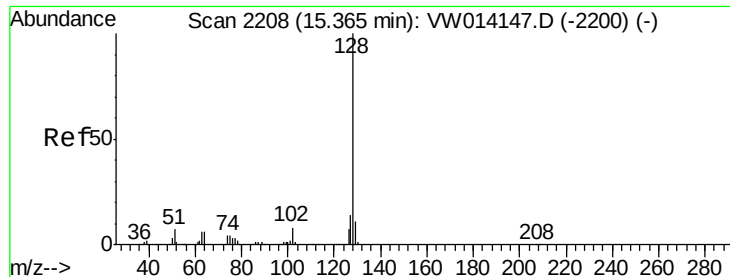
Abundance

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: 24.616 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

Instrument :

MSVOA_W

ClientSampleId :

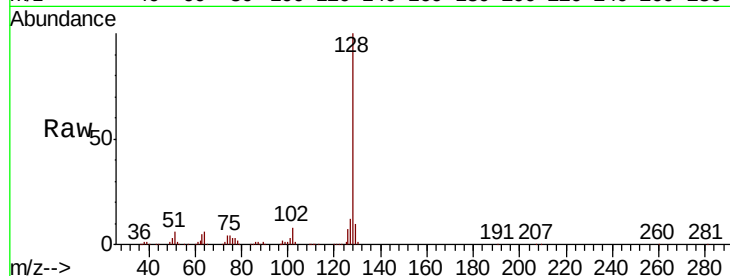
Tot Ion:128 Resp: 302885

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

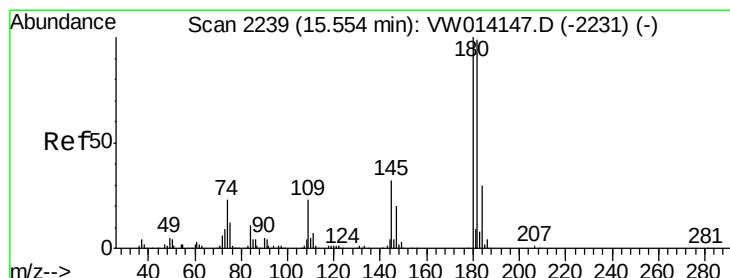
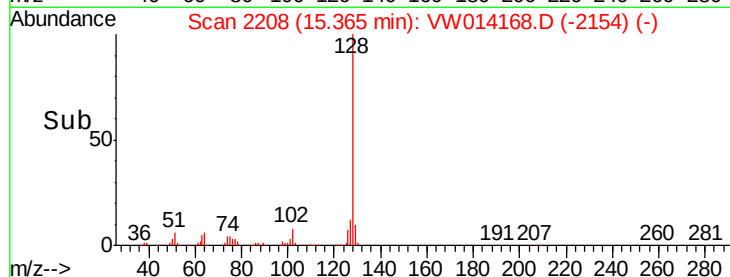
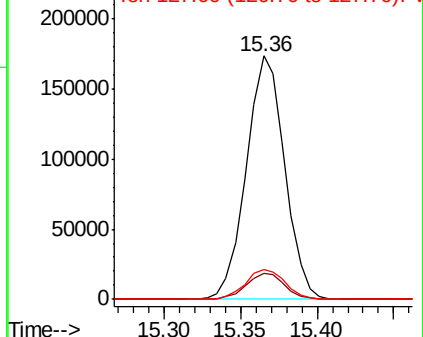
127 12.8 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.598 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014168.D

Acq: 27 Nov 2019 19:42

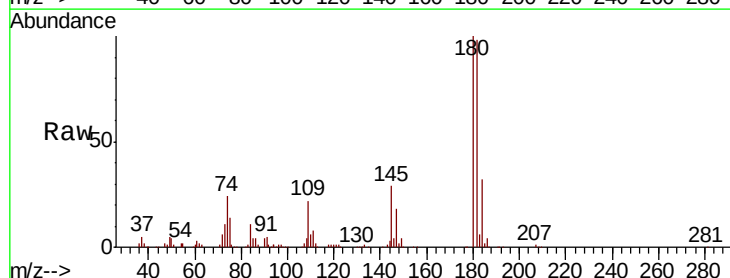
Tgt Ion:180 Resp: 156461

Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.6

145 29.3 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

