

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013666.D
 Acq On : 23 Oct 2019 13:34
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 13:58:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	358058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	443631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	219167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	398943	142.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.50%	
35) Dibromofluoromethane	7.88	113	414365	143.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.12%	
50) Toluene-d8	10.32	98	1710144	140.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.66%	
62) 4-Bromofluorobenzene	12.62	95	569870	139.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	237310	188.833	ug/l	100
3) Chloromethane	2.21	50	272255	133.085	ug/l	97
4) Vinyl Chloride	2.37	62	394681	129.307	ug/l	98
5) Bromomethane	2.78	94	260285	141.046	ug/l	99
6) Chloroethane	2.92	64	243045	139.487	ug/l	99
7) Trichlorofluoromethane	3.26	101	260610	173.828	ug/l	97
8) Diethyl Ether	3.68	74	219287	144.742	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	403848	134.174	ug/l	99
10) Methyl Iodide	4.28	142	684770	142.726	ug/l	100
11) Tert butyl alcohol	5.20	59	107292	477.349	ug/l	96
12) 1,1-Dichloroethene	4.04	96	433242	138.632	ug/l	97
13) Acrolein	3.89	56	136578	635.406	ug/l	99
14) Allyl chloride	4.67	41	685320	142.623	ug/l	99
15) Acrylonitrile	5.37	53	450993	650.385	ug/l	98
16) Acetone	4.13	43	426033	670.158	ug/l	96
17) Carbon Disulfide	4.38	76	1245192	141.450	ug/l	99
18) Methyl Acetate	4.67	43	221906	122.405	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	527990	115.564	ug/l	99
20) Methylene Chloride	4.92	84	425243	119.572	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	471178	141.457	ug/l	97
22) Diisopropyl ether	6.31	45	1239784	138.056	ug/l	95
23) Vinyl Acetate	6.25	43	3817408	711.785	ug/l	99
24) 1,1-Dichloroethane	6.21	63	787456	142.513	ug/l	99
25) 2-Butanone	7.17	43	590736	633.338	ug/l	98
26) 2,2-Dichloropropane	7.16	77	405968	116.565	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	509388	144.312	ug/l	100
28) Bromochloromethane	7.51	49	303347	153.806	ug/l #	99
29) Tetrahydrofuran	7.53	42	364798	640.658	ug/l	100
30) Chloroform	7.67	83	759628	142.297	ug/l	99
31) Cyclohexane	7.95	56	759189	130.360	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	596744	138.182	ug/l	99
36) 1,1-Dichloropropene	8.08	75	633631	135.856	ug/l	99
37) Ethyl Acetate	7.25	43	260659	126.365	ug/l	99
38) Carbon Tetrachloride	8.07	117	578999	140.328	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	840255	138.968	ug/l	99
40) Benzene	8.32	78	1821063	139.562	ug/l	100
41) Methacrylonitrile	7.48	41	156505	132.653	ug/l	99
42) 1,2-Dichloroethane	8.40	62	469540	142.297	ug/l	99
43) Isopropyl Acetate	8.42	43	508196	135.120	ug/l	98
44) Trichloroethene	9.09	130	519848	139.615	ug/l	99
45) 1,2-Dichloropropane	9.37	63	443303	141.390	ug/l	96
46) Dibromomethane	9.46	93	219292	140.853	ug/l	98
47) Bromodichloromethane	9.65	83	574478	147.698	ug/l	98
48) Methyl methacrylate	9.43	41	255779	137.257	ug/l	98
49) 1,4-Dioxane	9.46	88	60331	2276.965	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	1238392	630.778	ug/l	99
52) Toluene	10.38	92	1181605	140.521	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	601274	149.181	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	730470	149.141	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	322074	138.223	ug/l	99
56) Ethyl methacrylate	10.65	69	442857	142.916	ug/l	100
57) 1,3-Dichloropropane	10.93	76	563948	140.757	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1035281	710.529	ug/l	99
59) 2-Hexanone	10.97	43	881868	656.612	ug/l	98
60) Dibromochloromethane	11.13	129	403799	150.572	ug/l	99
61) 1,2-Dibromoethane	11.23	107	312258	140.796	ug/l	100
64) Tetrachloroethene	10.86	164	451148	137.252	ug/l	97
65) Chlorobenzene	11.66	112	1233333	139.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	440218	142.631	ug/l	99
67) Ethyl Benzene	11.73	91	2221672	136.999	ug/l	99
68) m/p-Xylenes	11.84	106	1722817	279.271	ug/l	97
69) o-Xylene	12.16	106	802020	140.455	ug/l	98
70) Styrene	12.18	104	1395243	142.394	ug/l	99
71) Bromoform	12.35	173	241046	143.574	ug/l #	98
73) Isopropylbenzene	12.46	105	2136769	135.834	ug/l	99
74) N-amyl acetate	12.27	43	462331	136.878	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	342300	129.204	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	448598	249.132	ug/l #	100
77) Bromobenzene	12.74	156	521912	139.520	ug/l	99
78) n-propylbenzene	12.80	91	2501258	137.445	ug/l	100
79) 2-Chlorotoluene	12.89	91	1397891	136.857	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1802598	137.246	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	122780	138.955	ug/l	98
82) 4-Chlorotoluene	12.99	91	1463606	137.736	ug/l	98
83) tert-Butylbenzene	13.21	119	1612968	138.300	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1768510	136.144	ug/l	100
85) sec-Butylbenzene	13.38	105	2176748	135.589	ug/l	100
86) p-Isopropyltoluene	13.49	119	2019217	136.552	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	987615	138.882	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	965675	138.563	ug/l	100
89) n-Butylbenzene	13.82	91	1845460	138.210	ug/l	100
90) Hexachloroethane	14.09	117	359902	141.295	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	853502	136.366	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	52506	125.096	ug/l	98

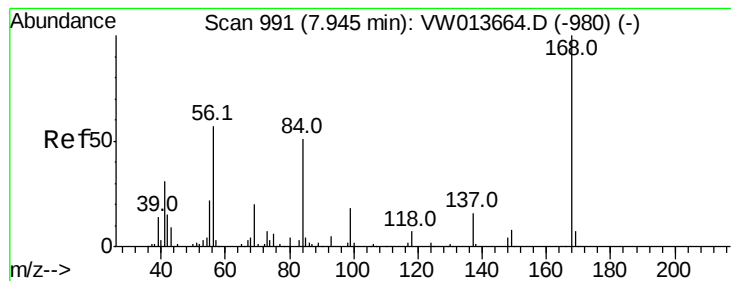
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
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Quant Title : SW846 8260
QLast Update : Wed Oct 23 13:51:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	661386	148.756	ug/l	99
94) Hexachlorobutadiene	15.24	225	415008	140.512	ug/l	98
95) Naphthalene	15.36	128	1103365	145.088	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	562345	144.560	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

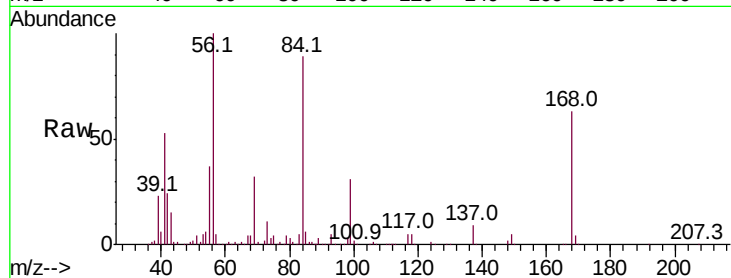
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 358058

Ion Ratio Lower Upper

168 100

99 49.3 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

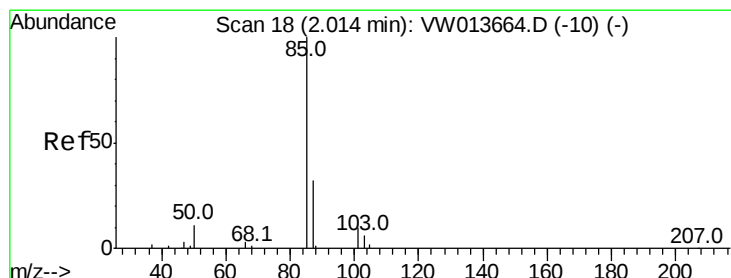
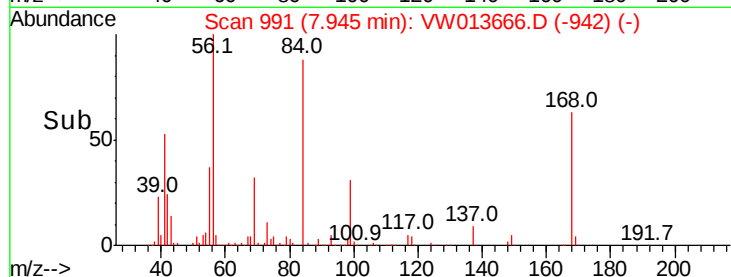
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 188.833 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013666.D

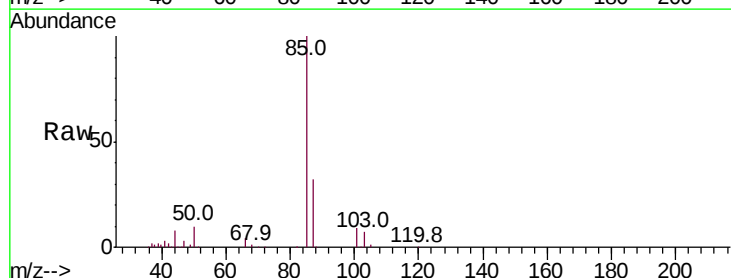
Acq: 23 Oct 2019 13:34

Tgt Ion: 85 Resp: 237310

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80000

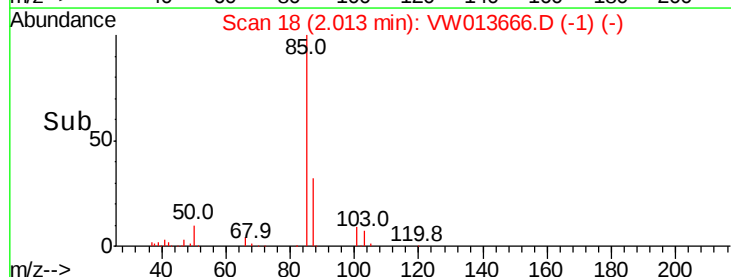
60000

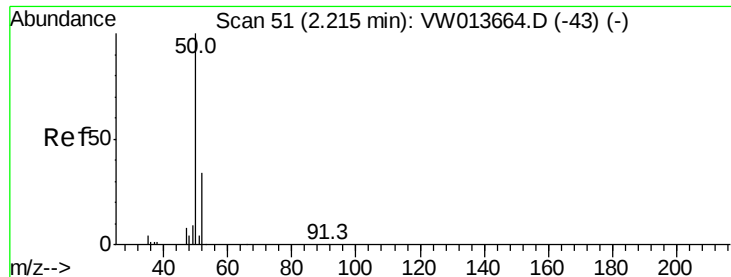
40000

20000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 133.085 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

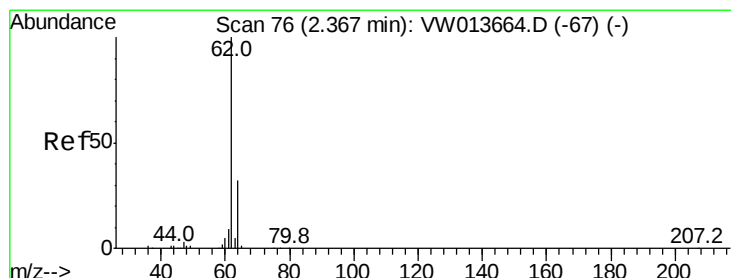
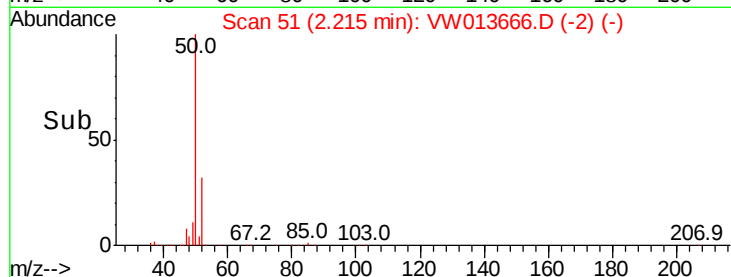
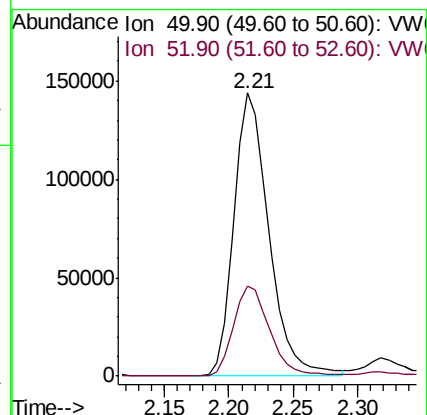
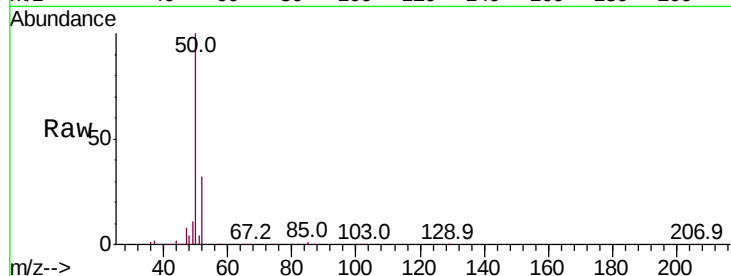
ClientSampleId :

Tot Ion: 50 Resp: 272255

Ion Ratio Lower Upper

50 100

52 31.7 26.9 40.3



#4

Vinyl Chloride

Concen: 129.307 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013666.D

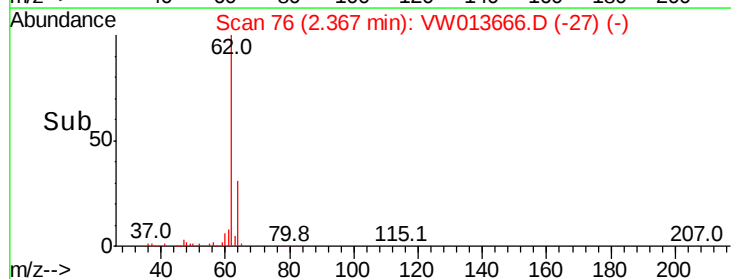
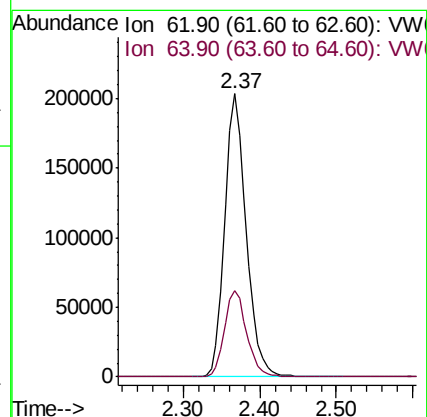
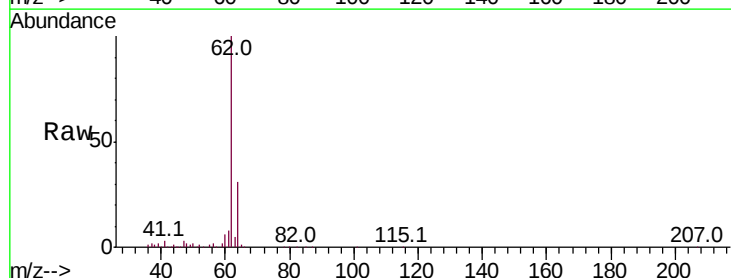
Acq: 23 Oct 2019 13:34

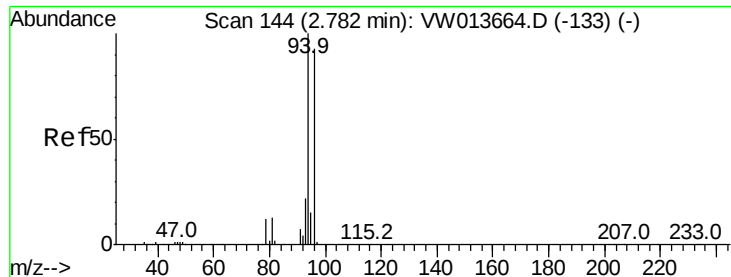
Tgt Ion: 62 Resp: 394681

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3





#5

Bromomethane

Concen: 141.046 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

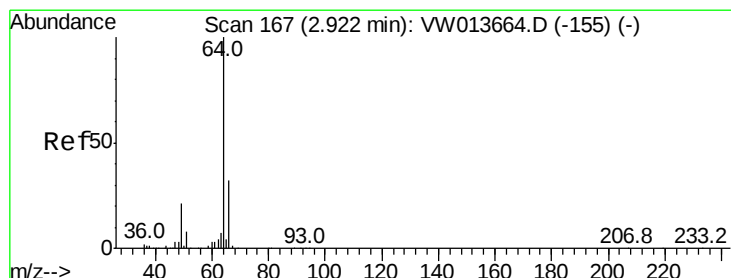
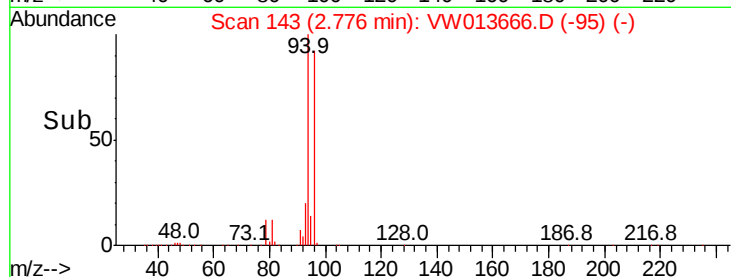
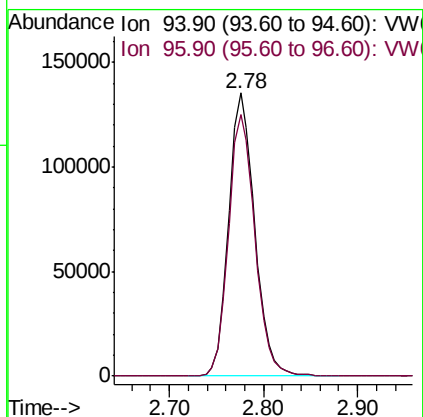
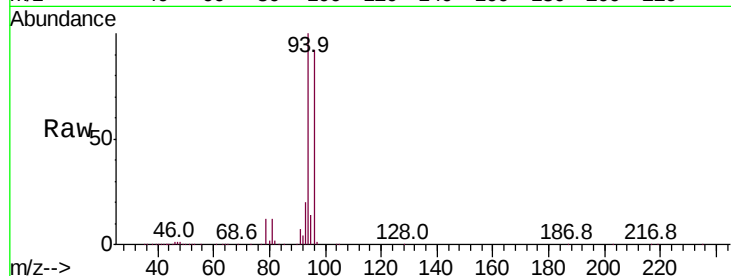
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 260285

Ion Ratio Lower Upper

94 100

96 92.3 74.6 112.0



#6

Chloroethane

Concen: 139.487 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013666.D

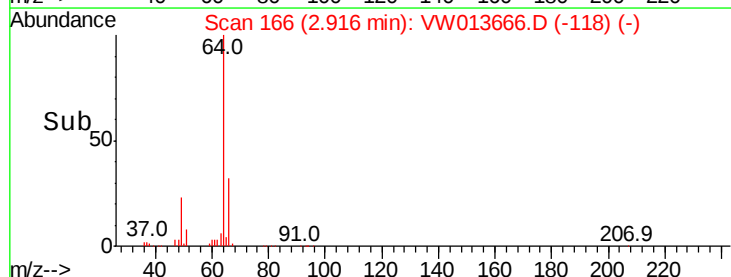
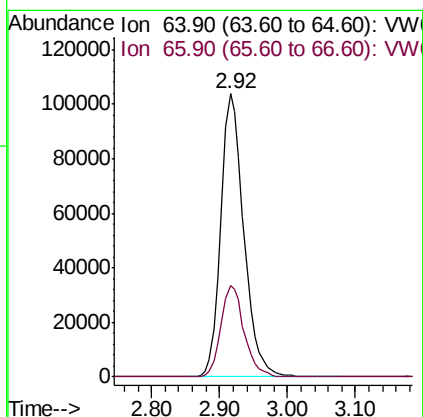
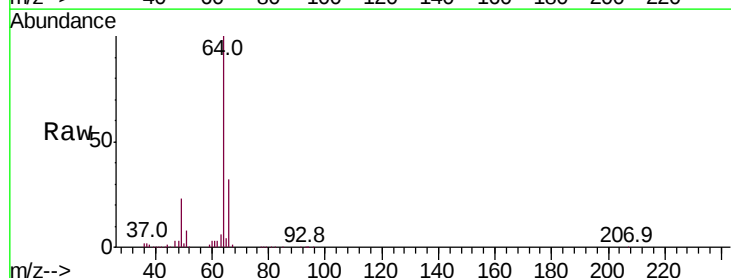
Acq: 23 Oct 2019 13:34

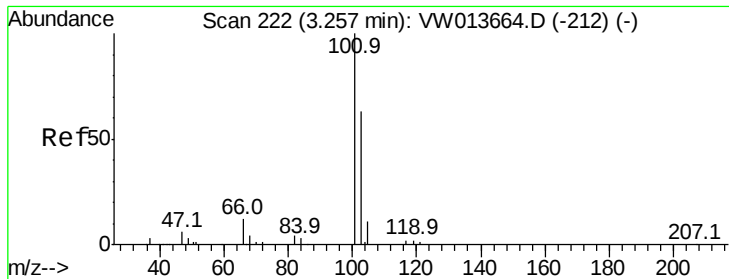
Tgt Ion: 64 Resp: 243045

Ion Ratio Lower Upper

64 100

66 32.3 25.4 38.0



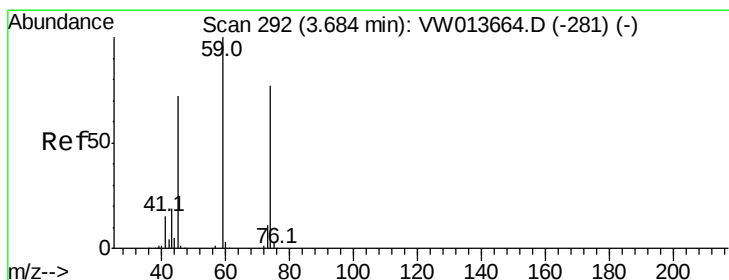
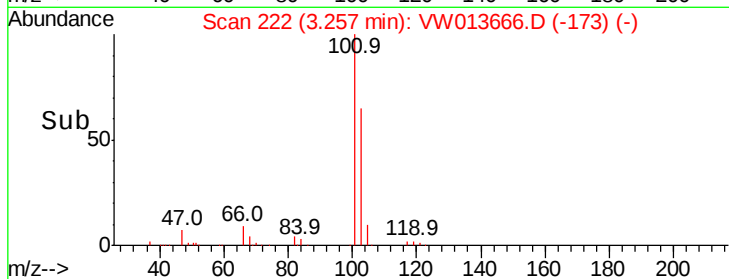
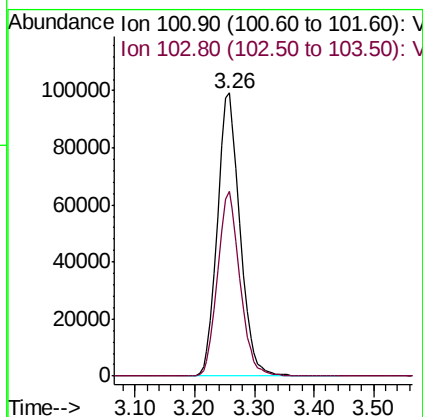
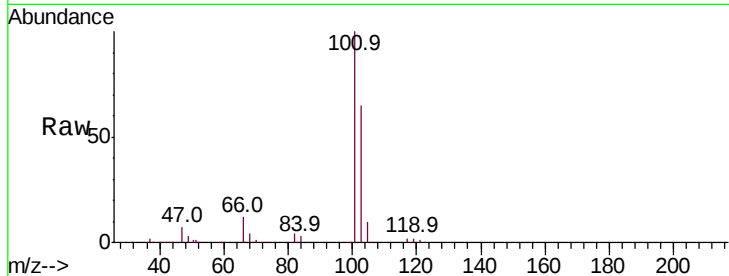


#7

Trichlorofluoromethane
Concen: 173.828 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampled :

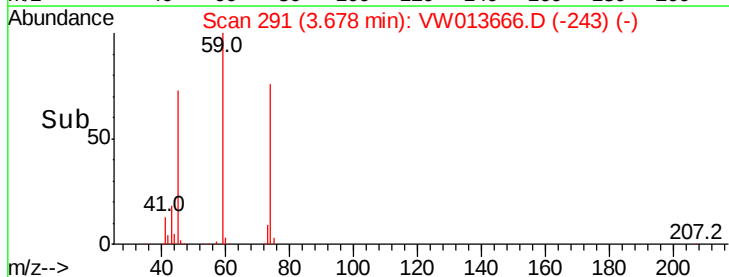
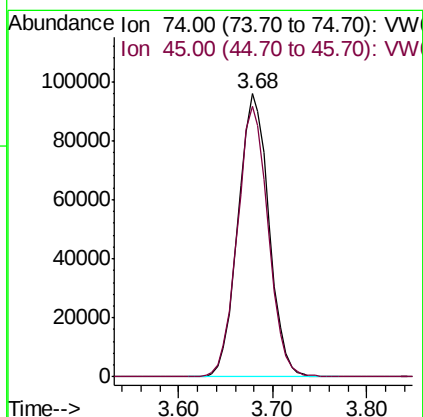
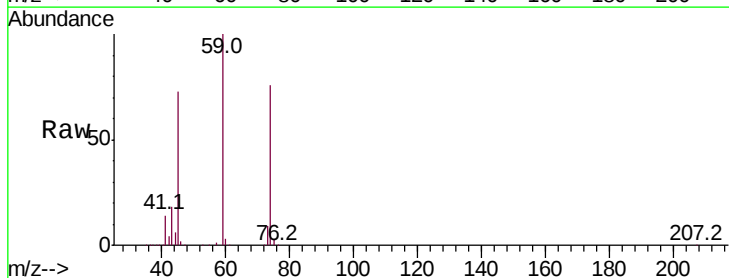
Tot Ion:101 Resp: 260610
Ion Ratio Lower Upper
101 100
103 65.4 50.6 76.0

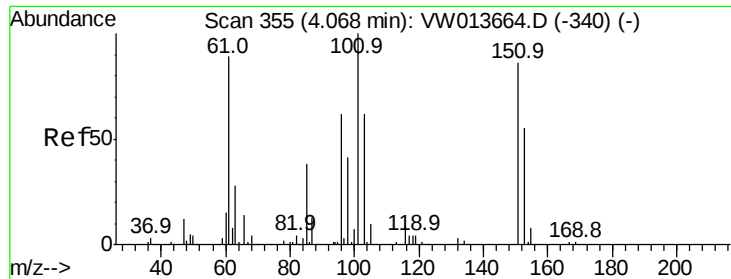


#8

Diethyl Ether
Concen: 144.742 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion: 74 Resp: 219287
Ion Ratio Lower Upper
74 100
45 95.8 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.174 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

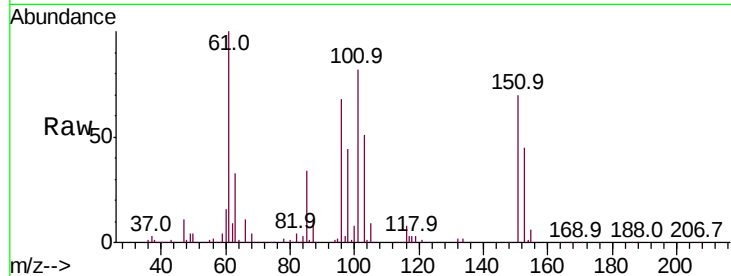
Tot Ion:101 Resp: 403848

Ion Ratio Lower Upper

101 100

85 40.7 31.0 46.6

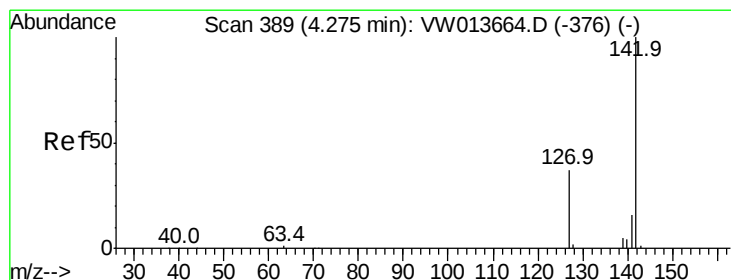
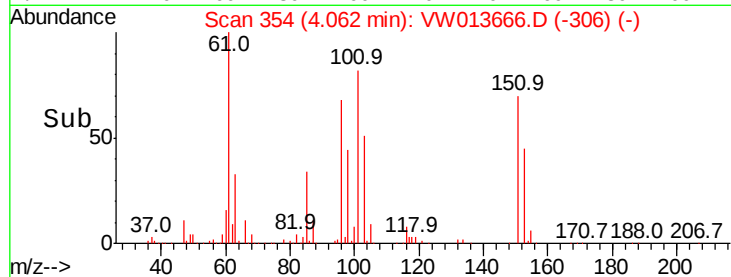
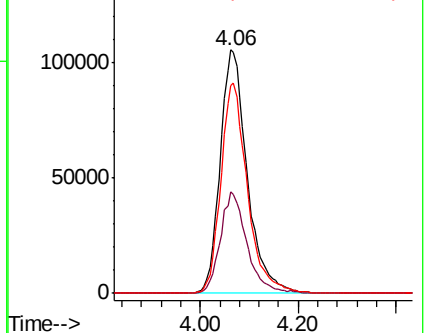
151 84.7 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 142.726 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

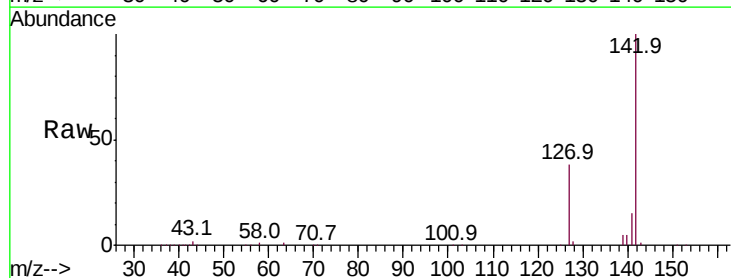
Tgt Ion:142 Resp: 684770

Ion Ratio Lower Upper

142 100

127 37.7 30.3 45.5

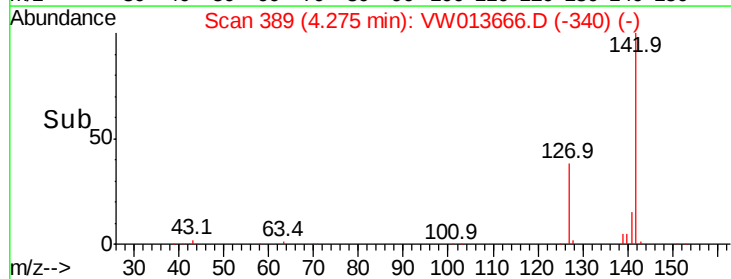
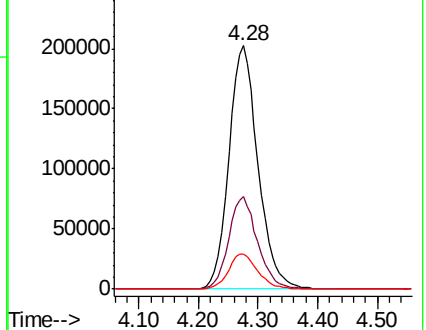
141 14.6 11.8 17.8

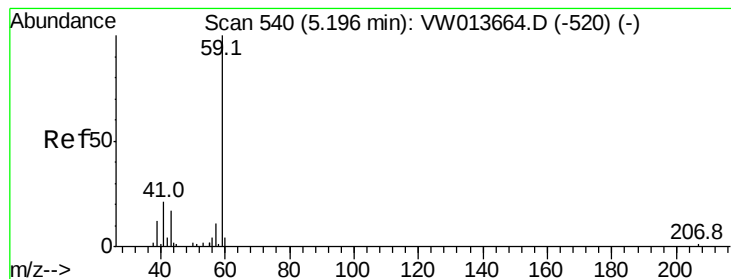


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



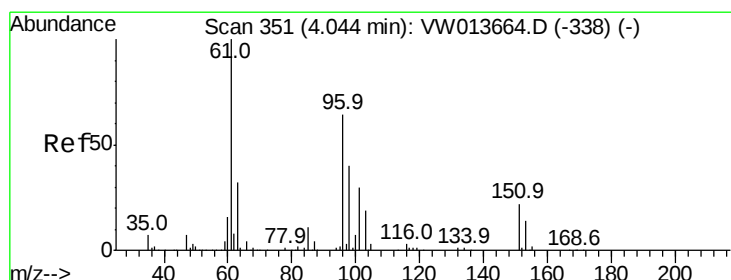
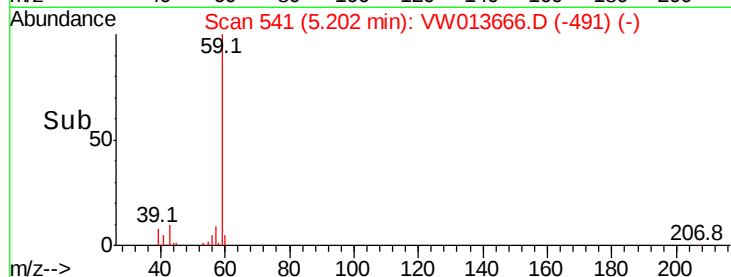
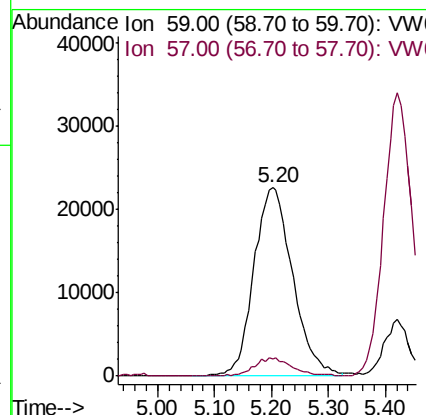
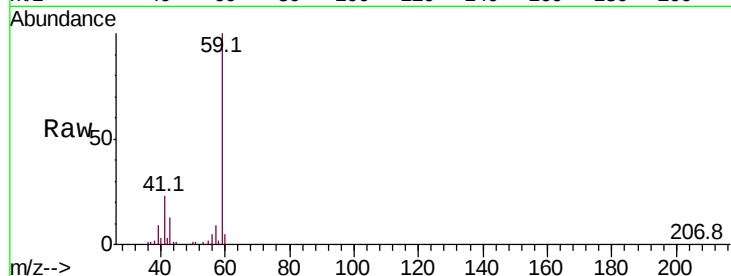


#11

Tert butyl alcohol
Concen: 477.349 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :

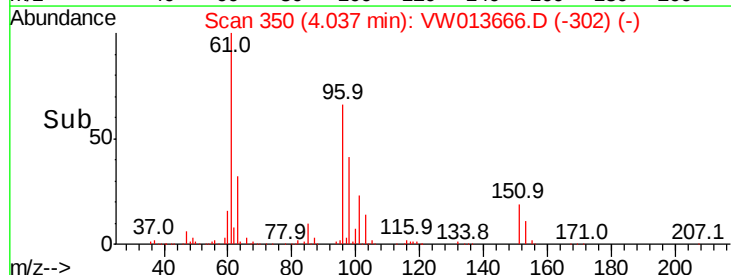
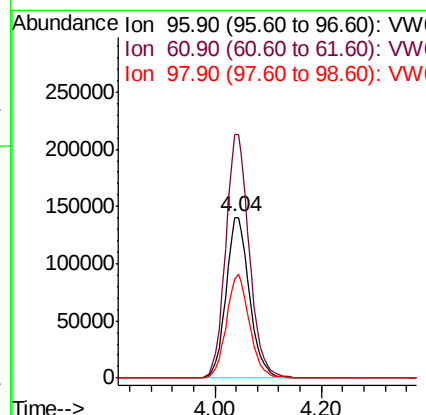
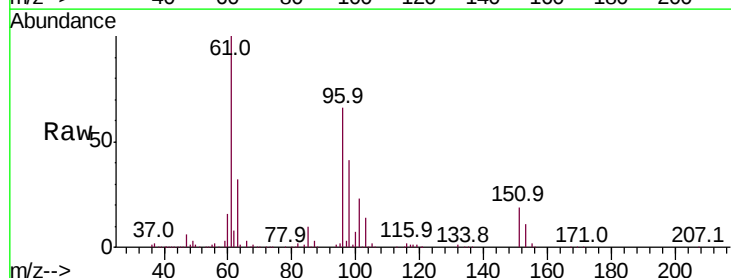
Tot Ion: 59 Resp: 107292
Ion Ratio Lower Upper
59 100
57 9.6 8.8 13.2

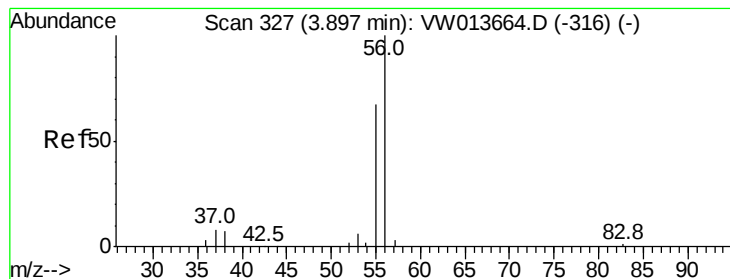


#12

1,1-Dichloroethene
Concen: 138.632 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion: 96 Resp: 433242
Ion Ratio Lower Upper
96 100
61 151.7 125.0 187.6
98 61.9 50.3 75.5





#13

Acrolein

Concen: 635.406 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

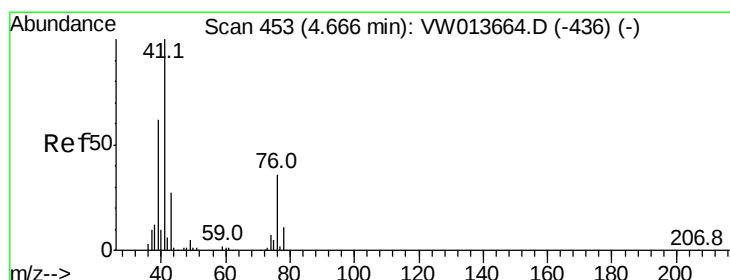
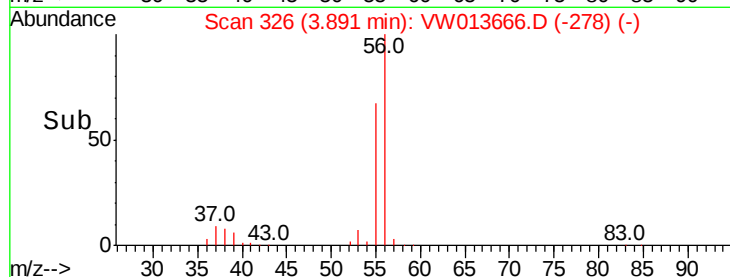
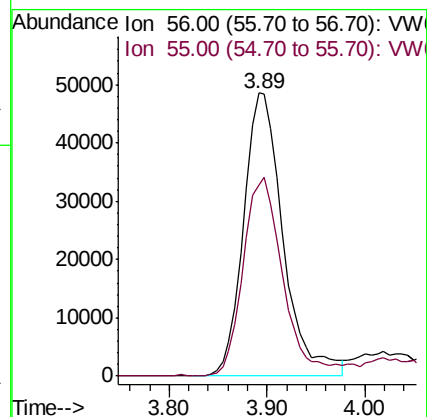
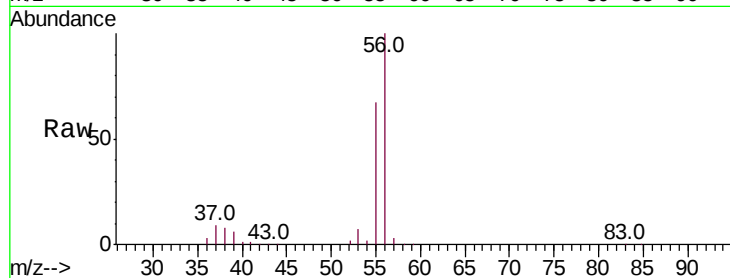
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 136578

Ion Ratio Lower Upper

56 100

55 69.0 56.1 84.1



#14

Allyl chloride

Concen: 142.623 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

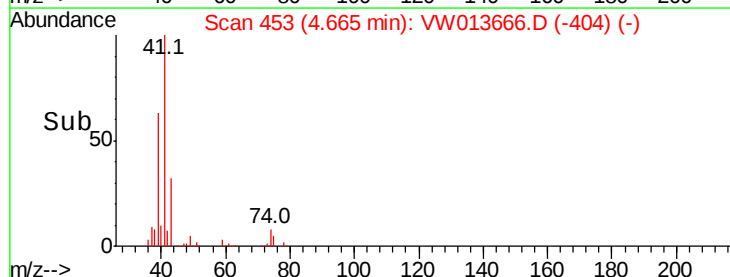
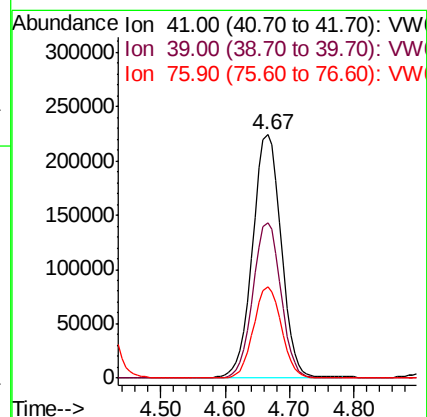
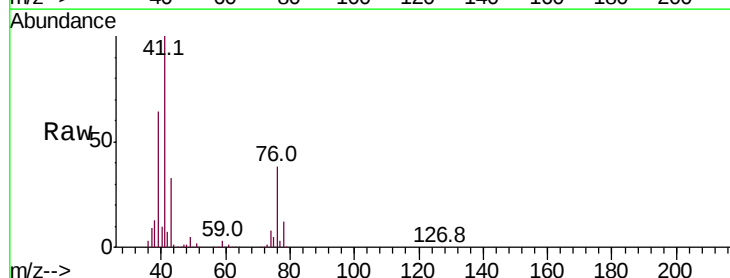
Tgt Ion: 41 Resp: 685320

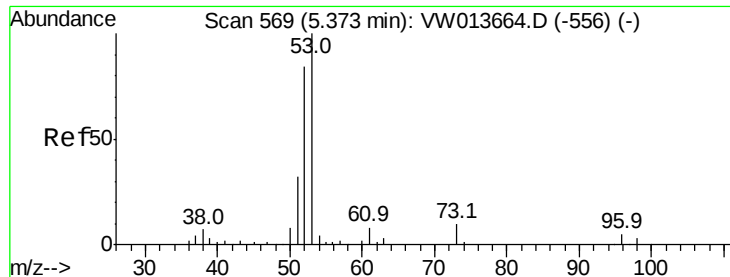
Ion Ratio Lower Upper

41 100

39 62.3 50.0 75.0

76 36.3 29.6 44.4





#15

Acrylonitrile

Concen: 650.385 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

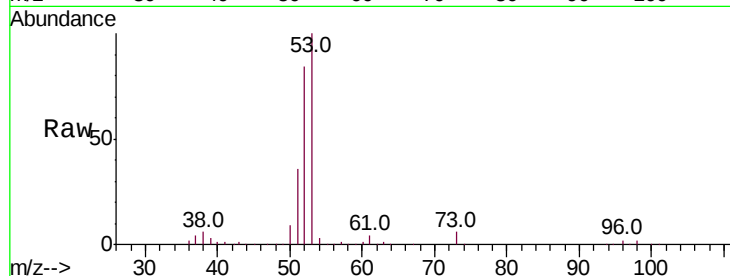
Tot Ion: 53 Resp: 450993

Ion Ratio Lower Upper

53 100

52 82.4 67.4 101.0

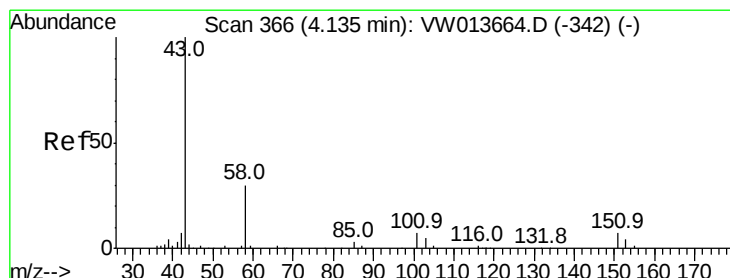
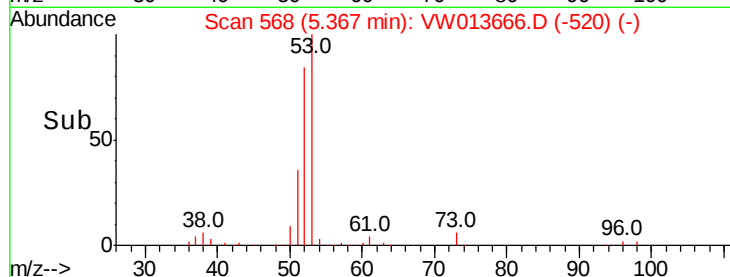
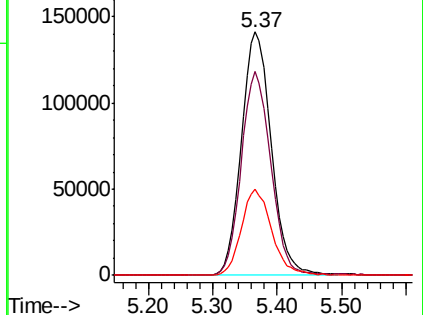
51 35.8 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 670.158 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013666.D

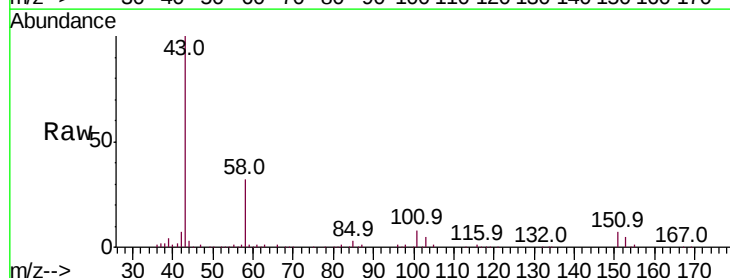
Acq: 23 Oct 2019 13:34

Tgt Ion: 43 Resp: 426033

Ion Ratio Lower Upper

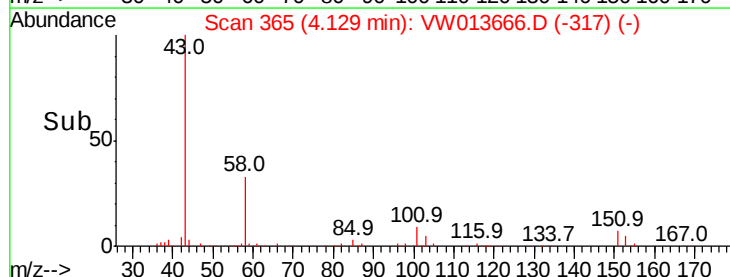
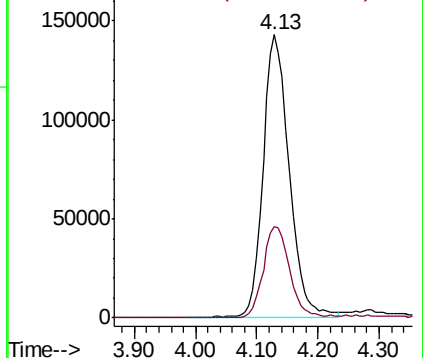
43 100

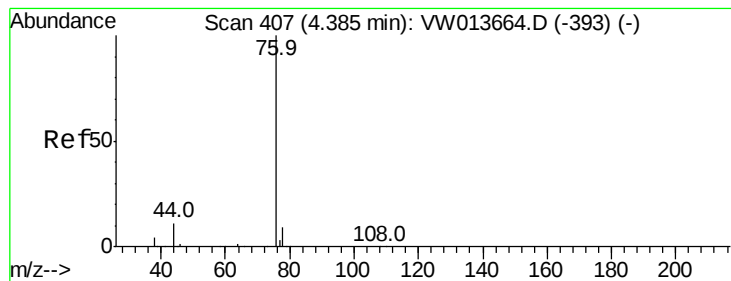
58 32.4 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 141.450 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

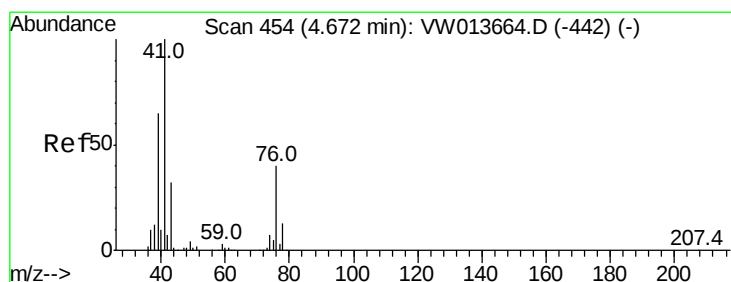
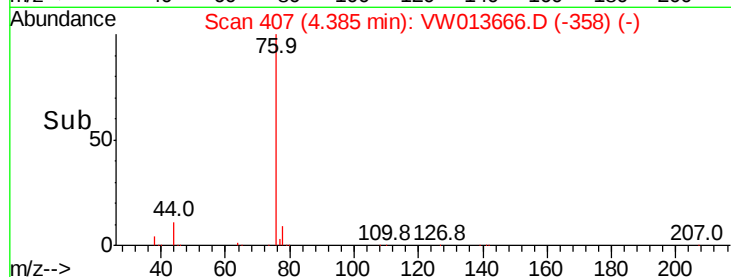
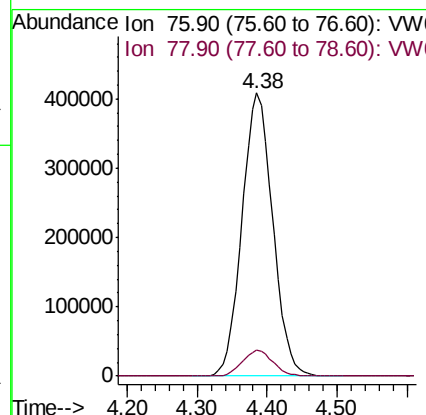
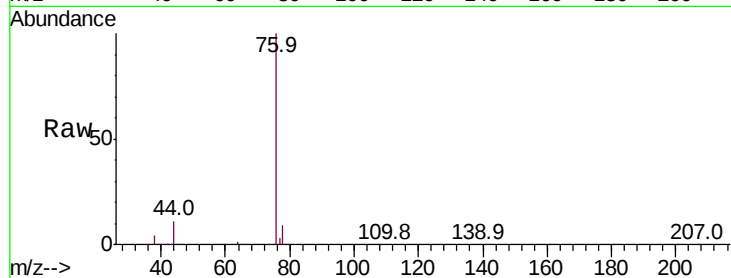
ClientSampled :

Tot Ion: 76 Resp: 1245192

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



#18

Methyl Acetate

Concen: 122.405 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013666.D

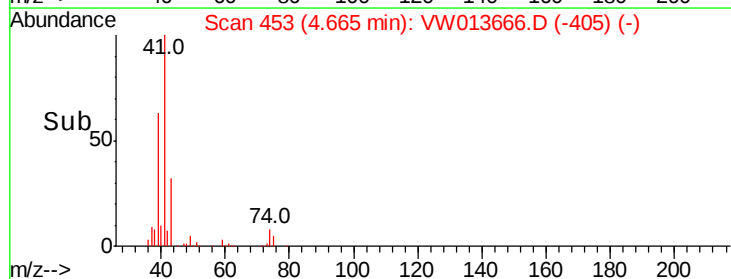
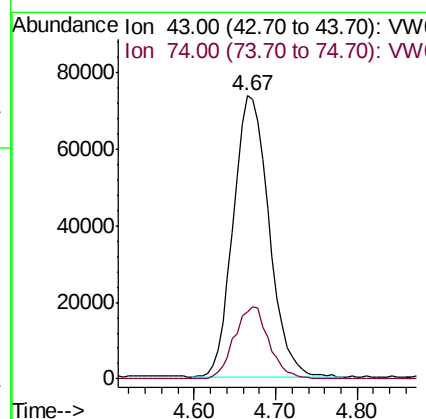
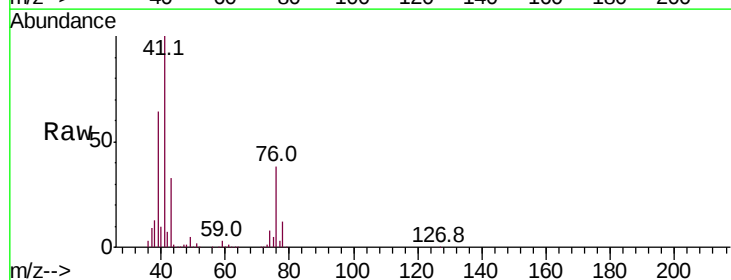
Acq: 23 Oct 2019 13:34

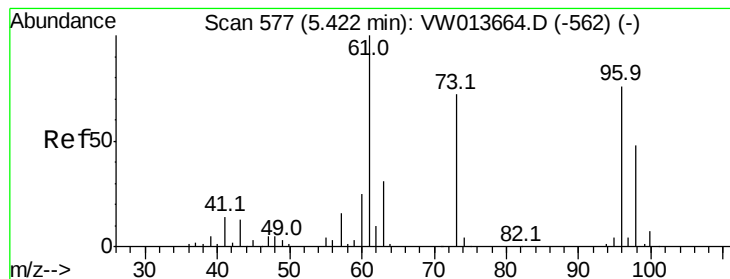
Tgt Ion: 43 Resp: 221906

Ion Ratio Lower Upper

43 100

74 25.0 19.8 29.8



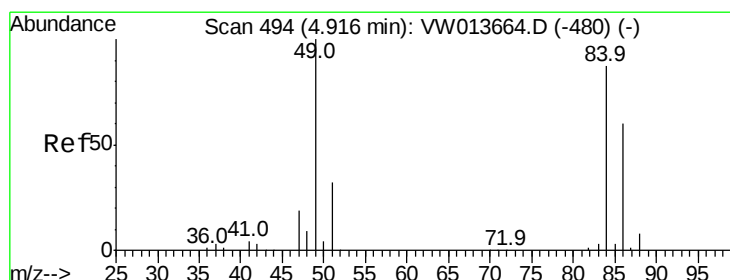
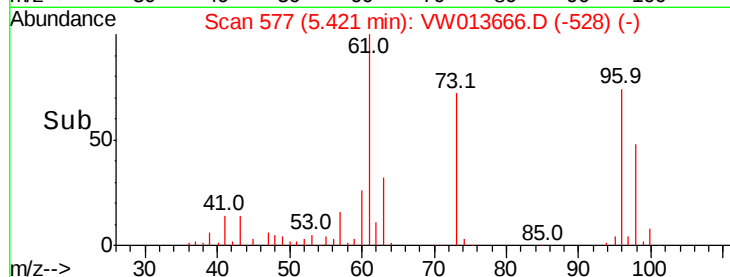
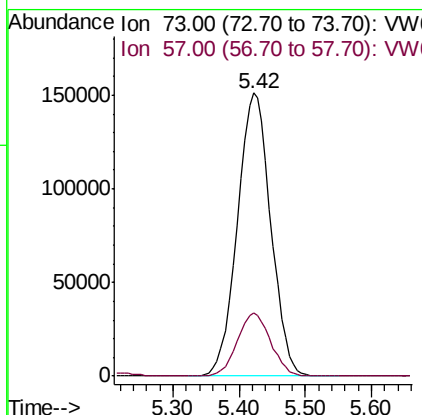
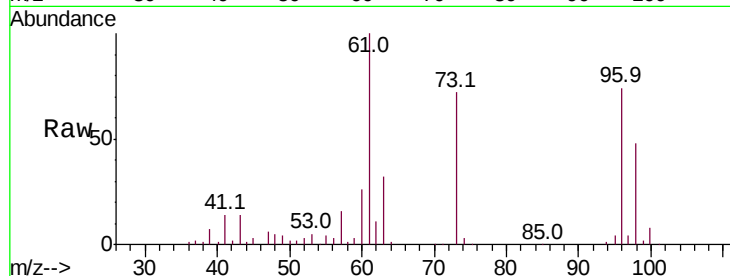


#19

Methyl tert-butyl Ether
 Concen: 115.564 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Instrument :
 MSVOA_W
 ClientSampleId :

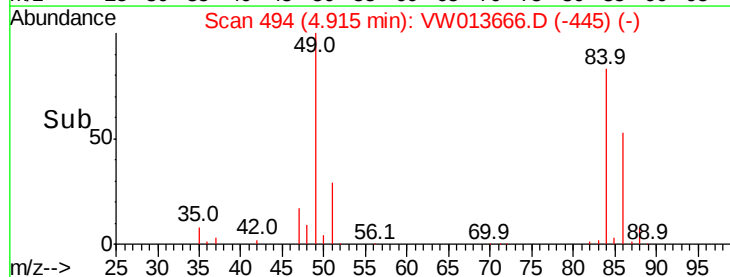
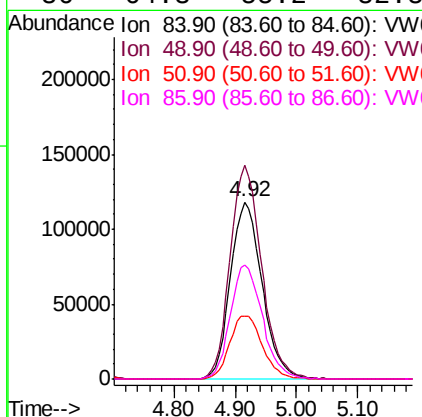
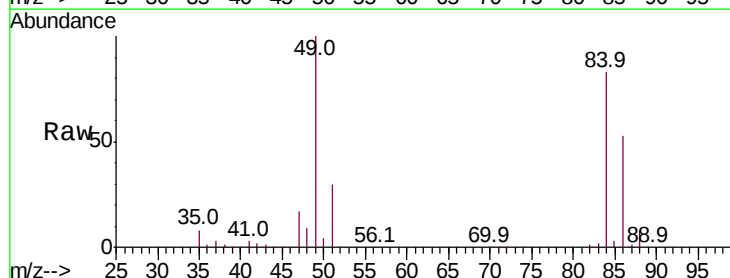
Tot Ion: 73 Resp: 527990
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.6 26.4

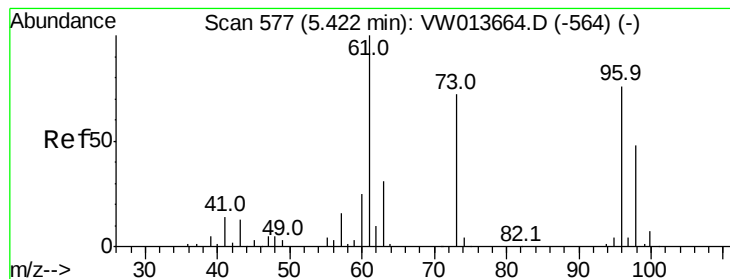


#20

Methylene Chloride
 Concen: 119.572 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion: 84 Resp: 425243
 Ion Ratio Lower Upper
 84 100
 49 120.7 91.8 137.6
 51 35.7 29.8 44.6
 86 64.3 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 141.457 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampled :

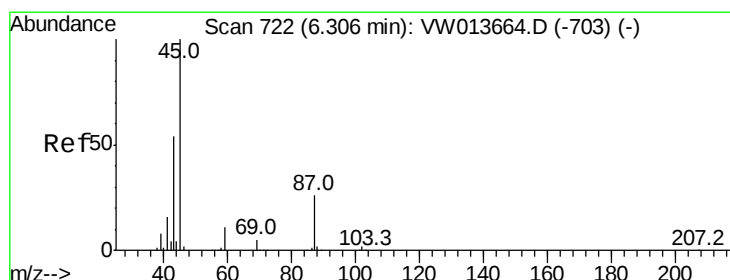
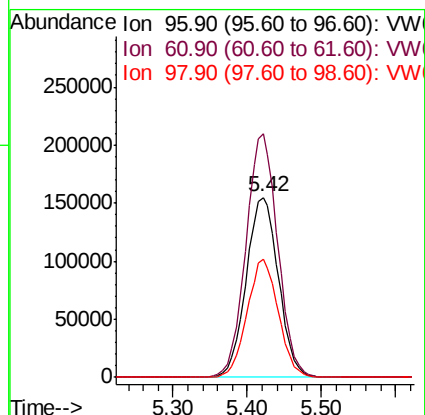
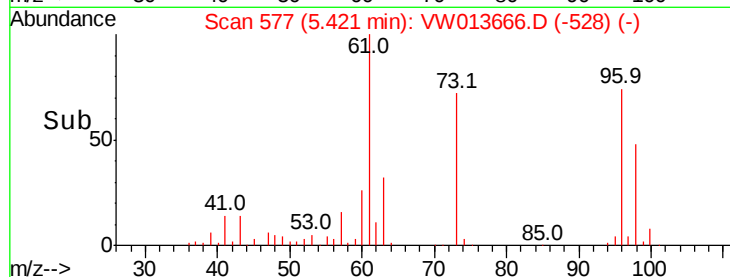
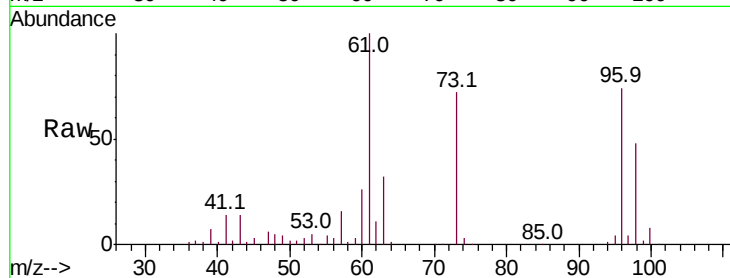
Tot Ion: 96 Resp: 471178

Ion Ratio Lower Upper

96 100

61 135.3 104.8 157.2

98 65.4 50.6 76.0



#22

Diisopropyl ether

Concen: 138.056 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion: 45 Resp: 1239784

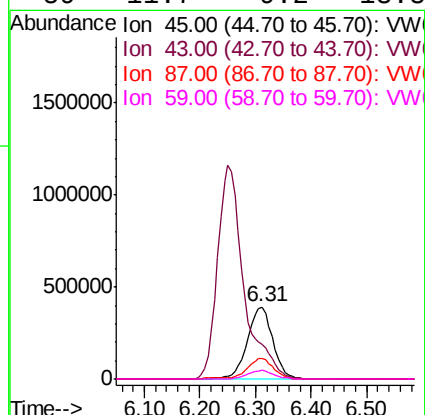
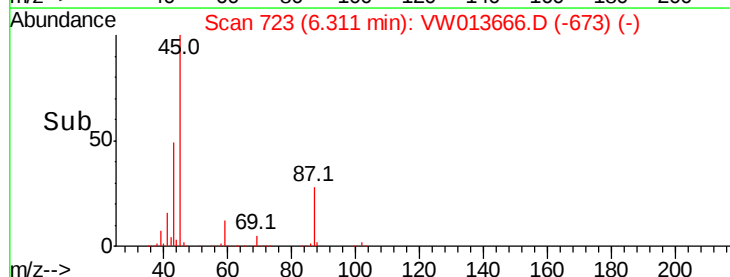
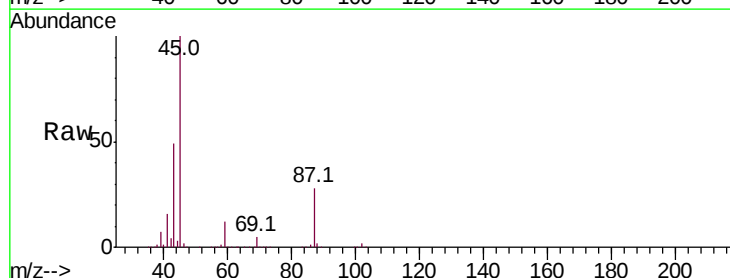
Ion Ratio Lower Upper

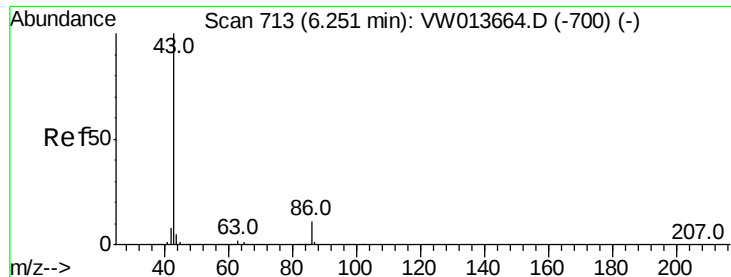
45 100

43 48.6 43.4 65.2

87 28.2 21.5 32.3

59 11.7 9.2 13.8





#23

Vinyl Acetate

Concen: 711.785 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

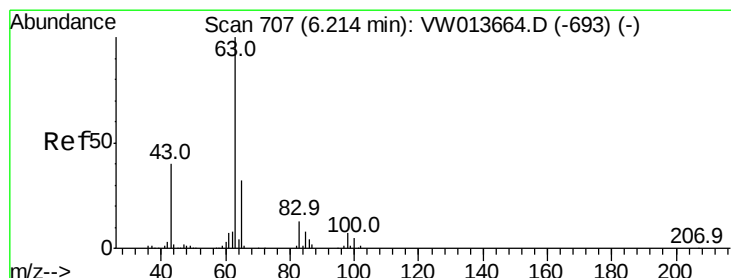
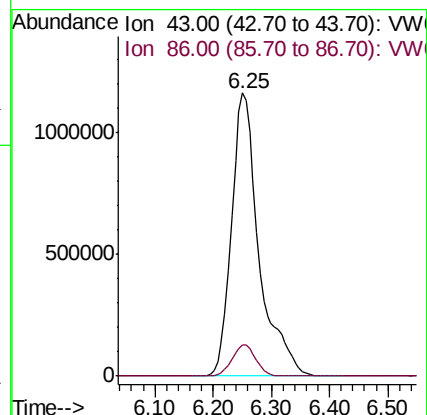
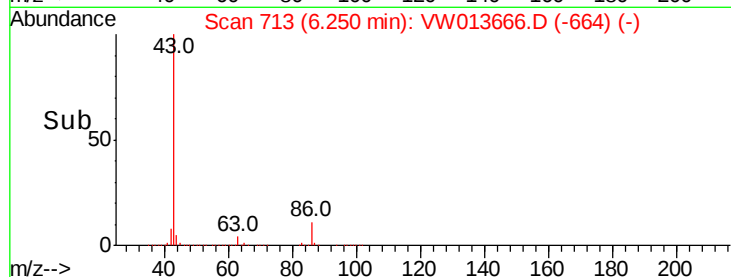
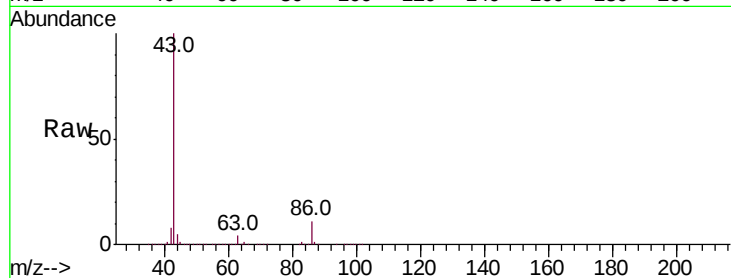
ClientSampleId :

Tot Ion: 43 Resp: 3817408

Ion Ratio Lower Upper

43 100

86 11.1 9.0 13.6



#24

1,1-Dichloroethane

Concen: 142.513 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

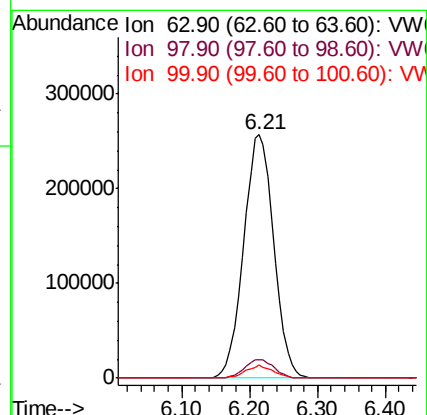
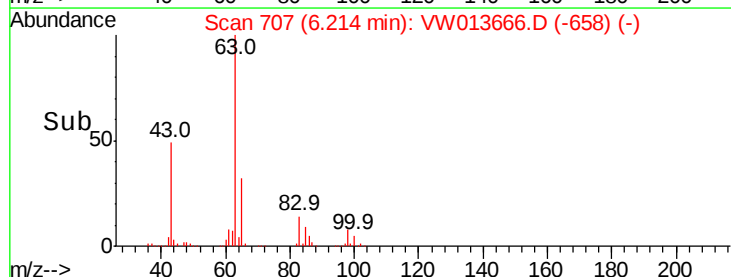
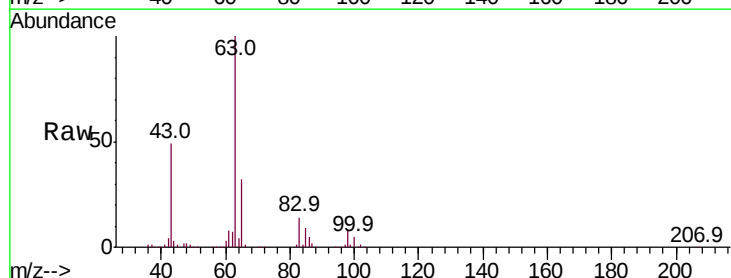
Tgt Ion: 63 Resp: 787456

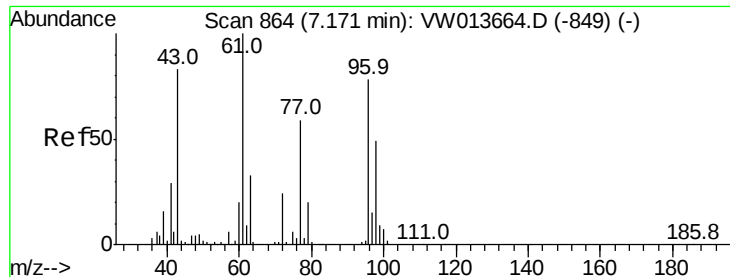
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 5.2 2.5 7.4





#25

2-Butanone

Concen: 633.338 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

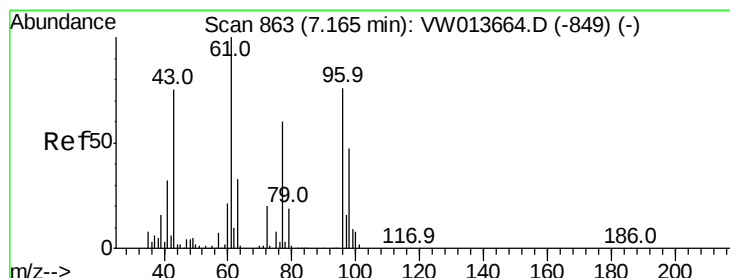
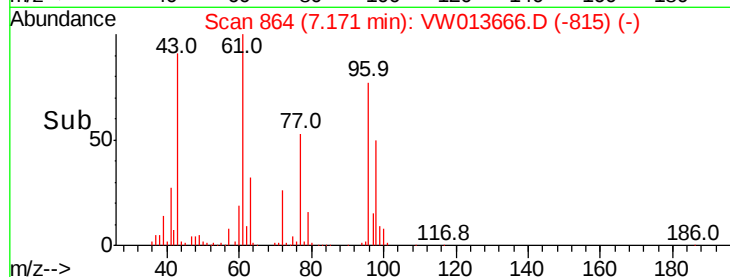
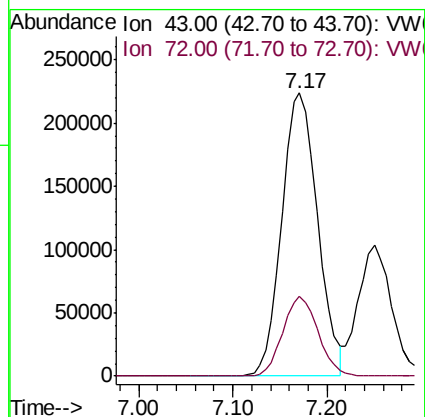
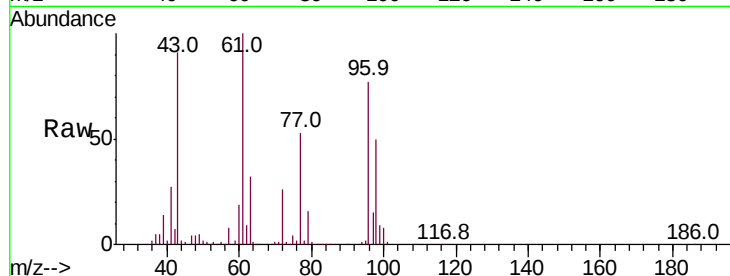
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 590736

Ion Ratio Lower Upper

43 100

72 28.3 23.6 35.4



#26

2,2-Dichloropropane

Concen: 116.565 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013666.D

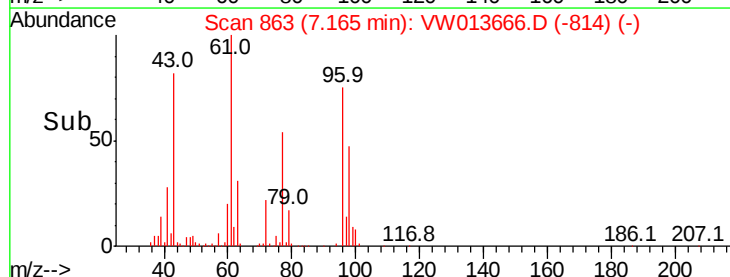
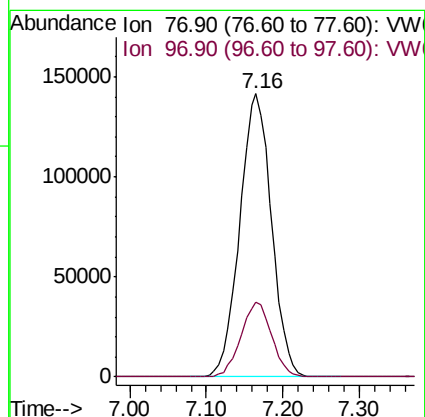
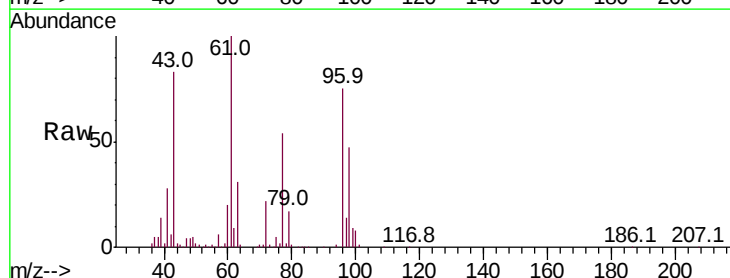
Acq: 23 Oct 2019 13:34

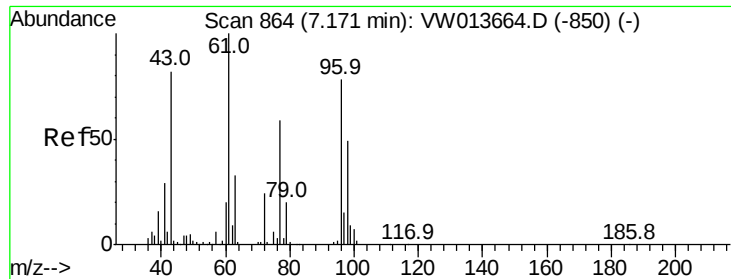
Tgt Ion: 77 Resp: 405968

Ion Ratio Lower Upper

77 100

97 25.6 12.8 38.4



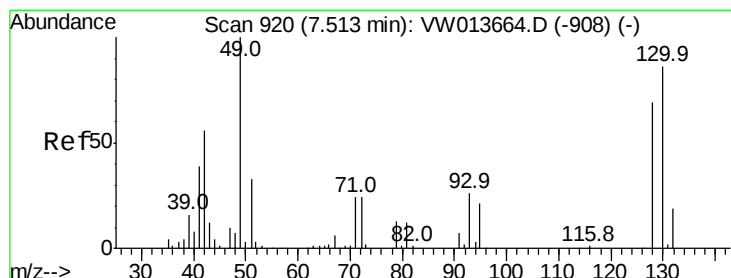
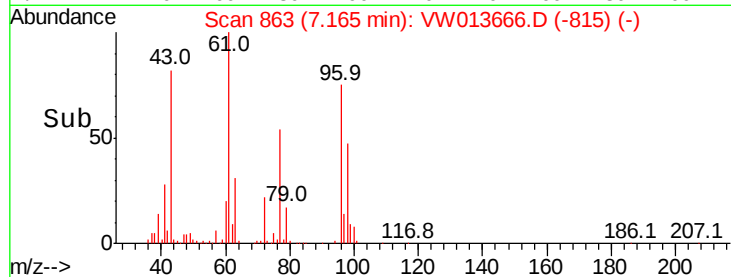
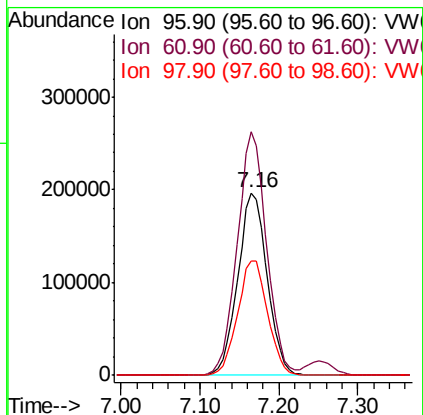
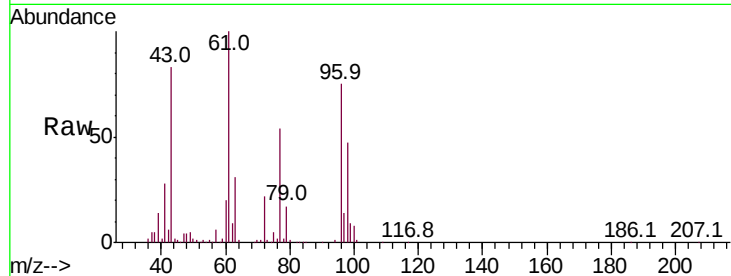


#27

cis-1,2-Dichloroethene
Concen: 144.312 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :

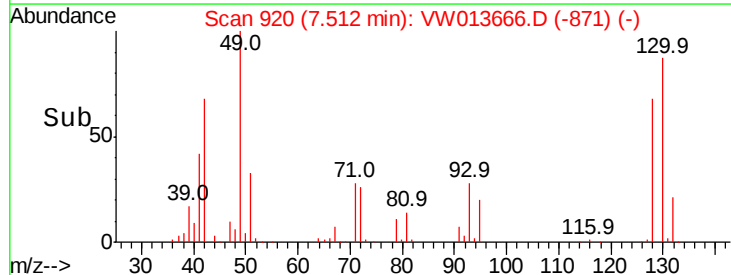
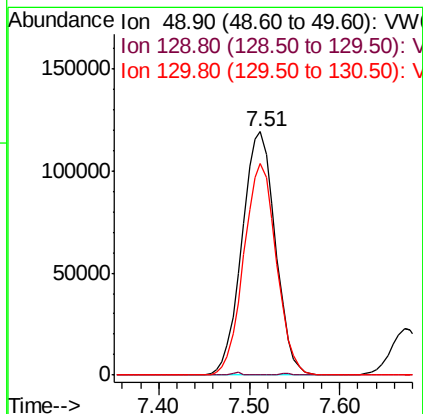
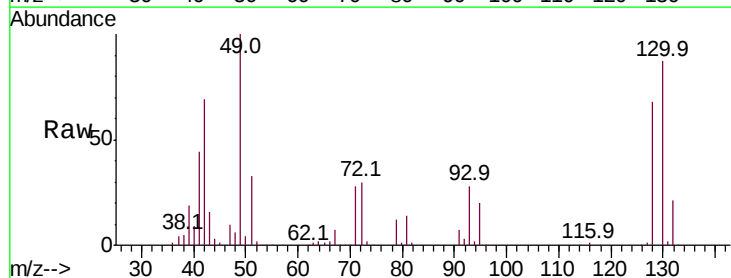
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	266.0
98	64.3	0.0	126.8

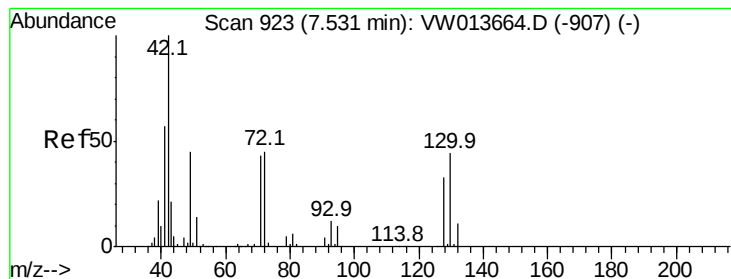


#28

Bromochloromethane
Concen: 153.806 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.6
130	85.1	67.5	101.3





#29

Tetrahydrofuran

Concen: 640.658 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampled :

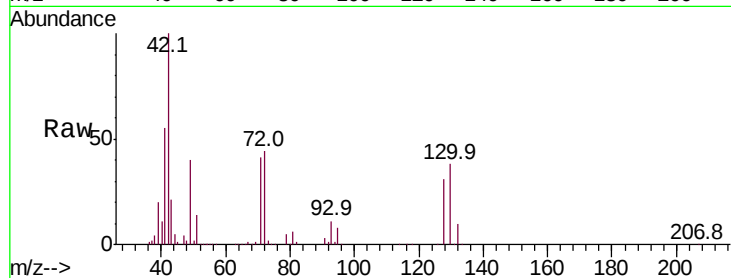
Tot Ion: 42 Resp: 364798

Ion Ratio Lower Upper

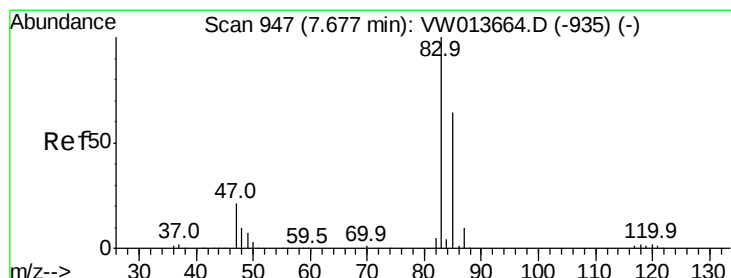
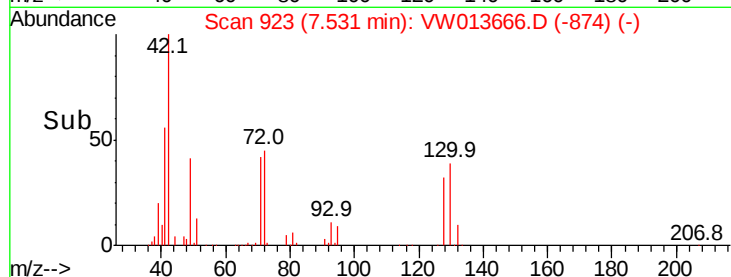
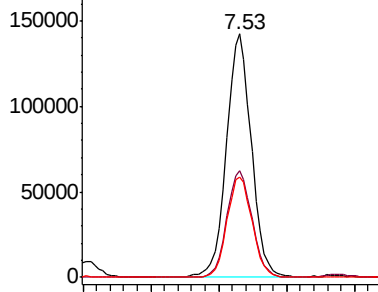
42 100

72 43.9 35.3 52.9

71 41.5 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 142.297 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013666.D

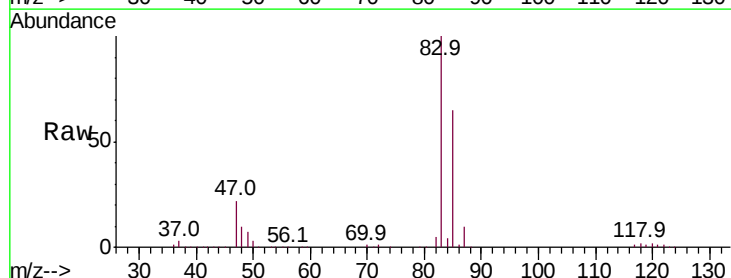
Acq: 23 Oct 2019 13:34

Tgt Ion: 83 Resp: 759628

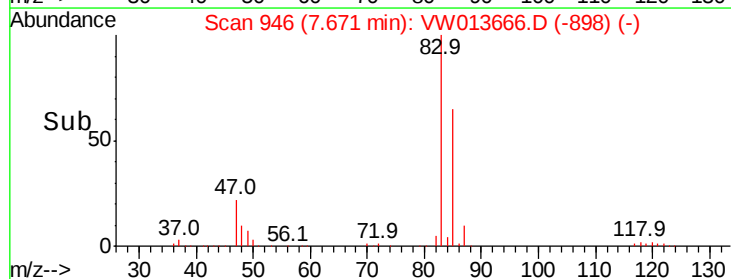
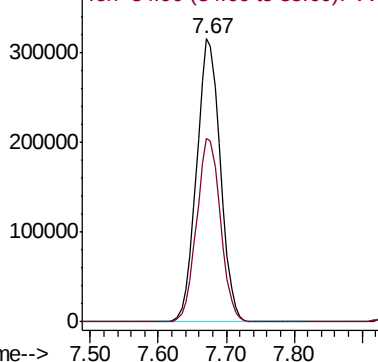
Ion Ratio Lower Upper

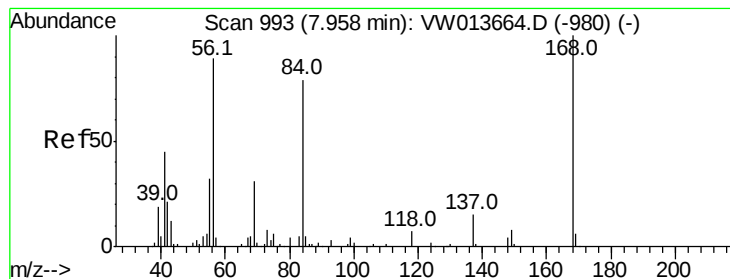
83 100

85 64.7 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 130.360 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampled :

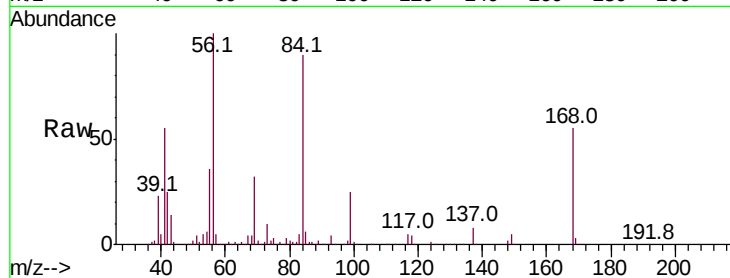
Tot Ion: 56 Resp: 759189

Ion Ratio Lower Upper

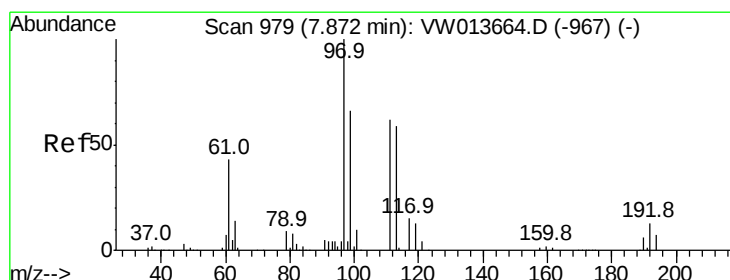
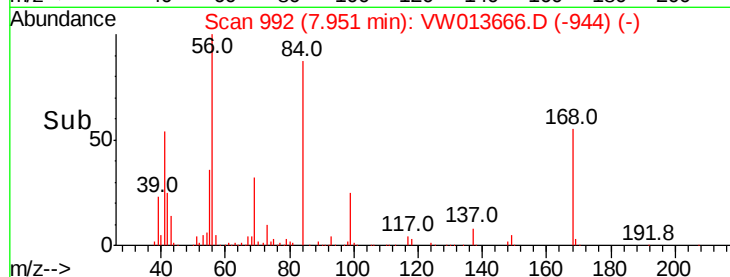
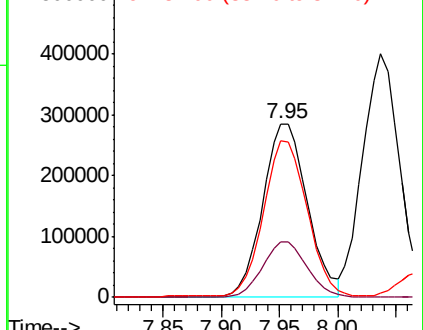
56 100

69 32.2 27.5 41.3

84 88.7 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 138.182 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

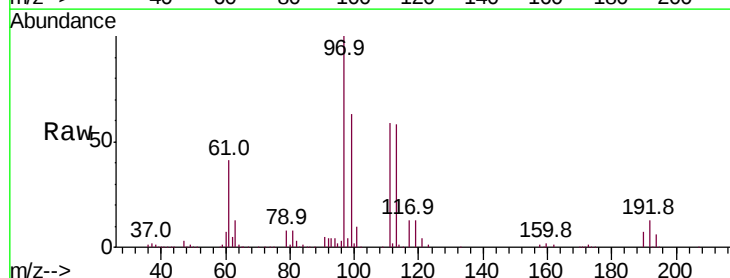
Tgt Ion: 97 Resp: 596744

Ion Ratio Lower Upper

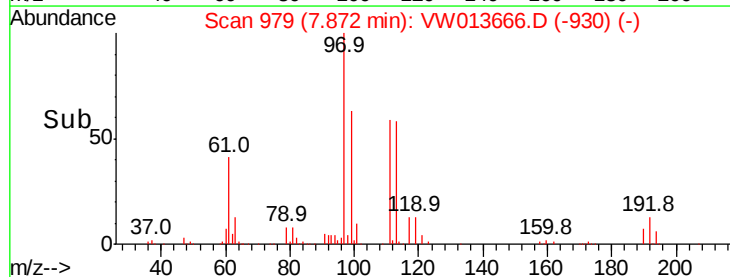
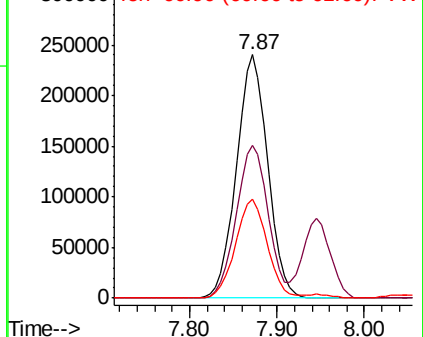
97 100

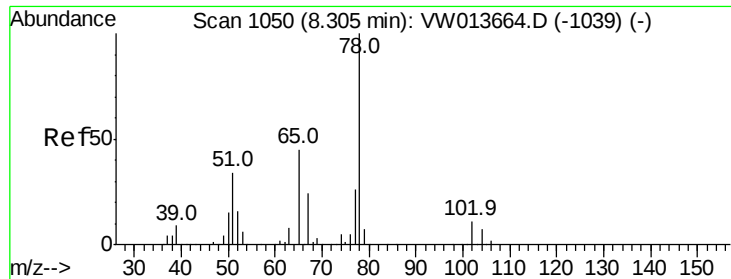
99 64.4 52.0 78.0

61 41.2 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

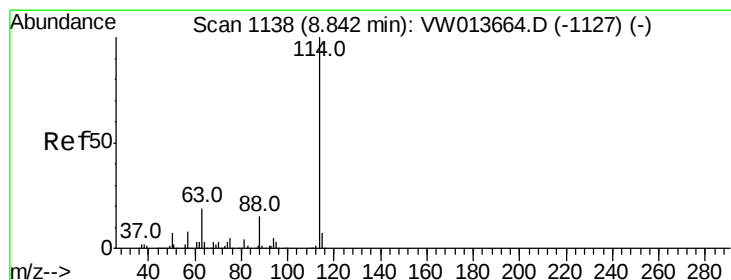
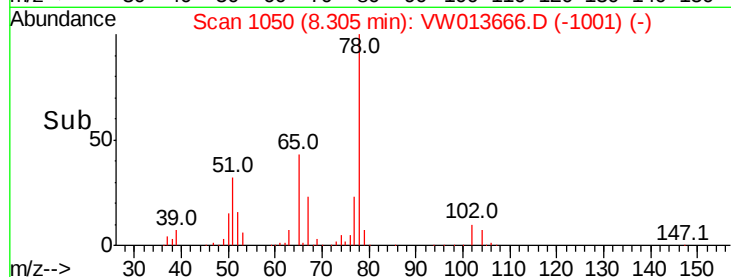
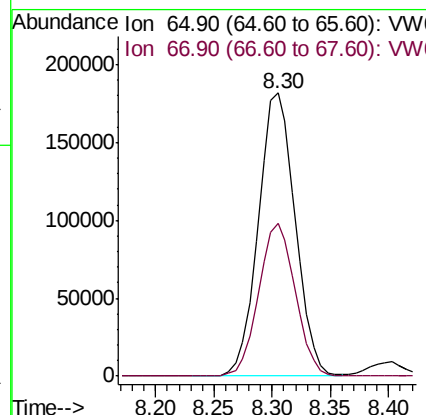
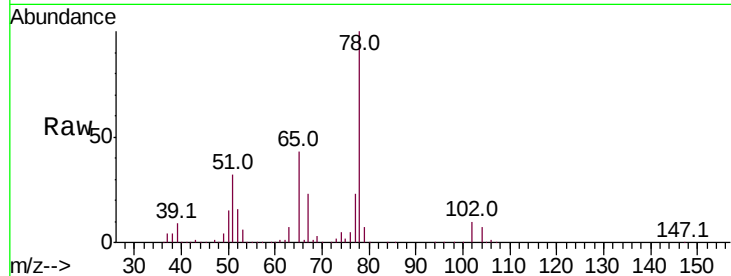




#33
 1,2-Dichloroethane-d4
 Concen: 142.754 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

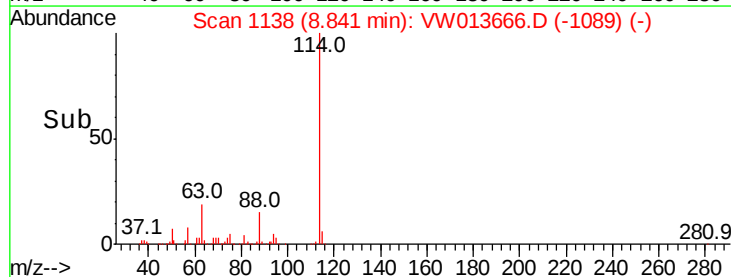
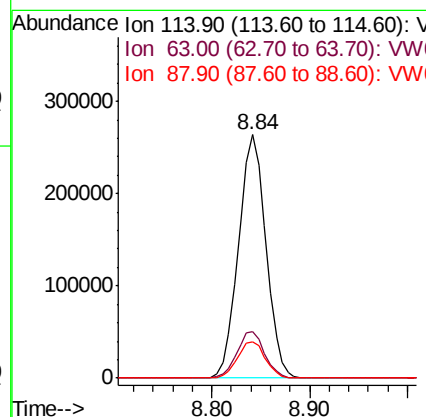
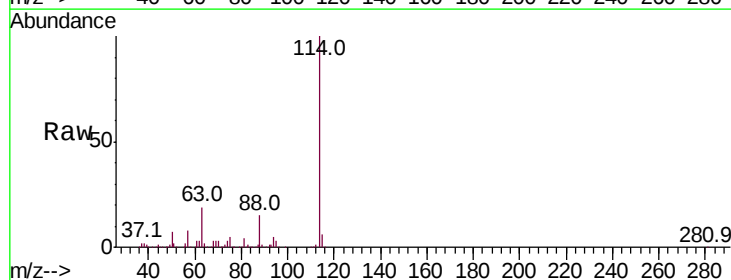
Instrument :
 MSVOA_W
 ClientSampleId :

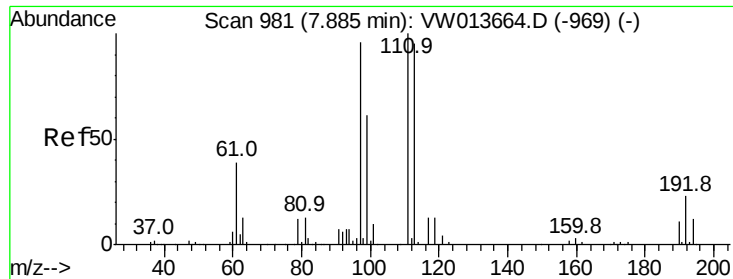
Tot Ion: 65 Resp: 398943
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion: 114 Resp: 512805
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.6
 88 14.9 0.0 30.2

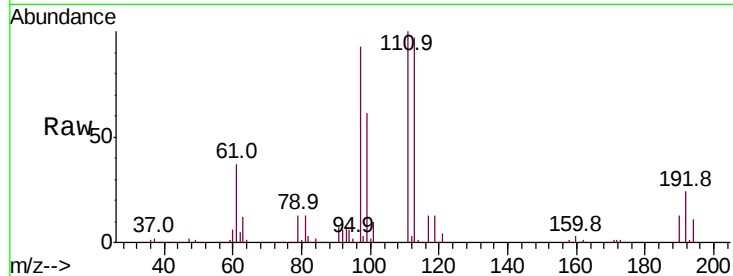




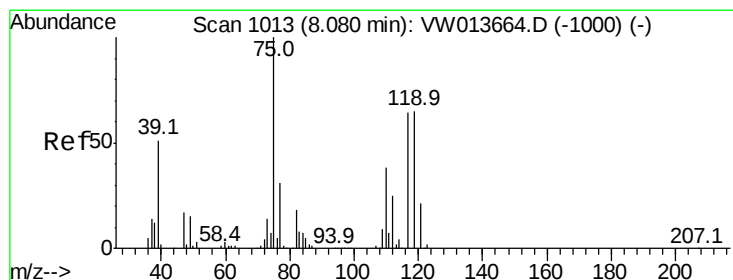
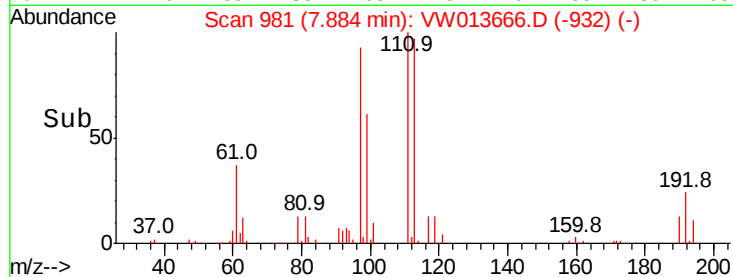
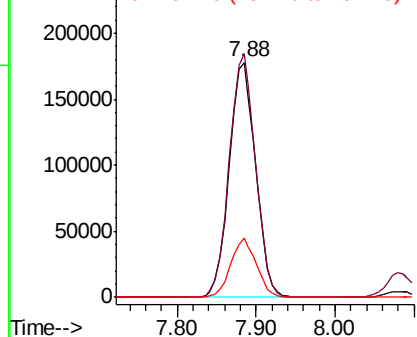
#35
 Dibromofluoromethane
 Concen: 143.056 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 414365
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.0 124.6
 192 24.5 19.4 29.2

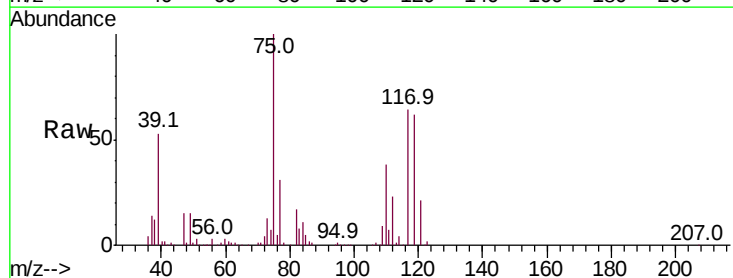


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

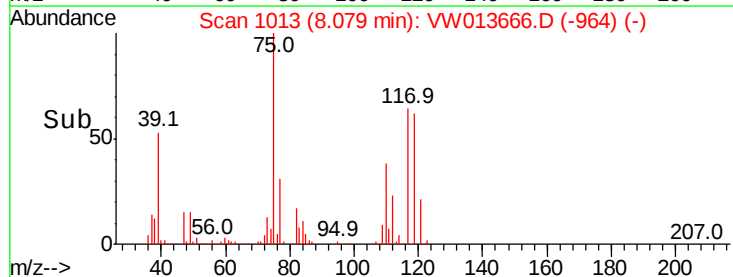
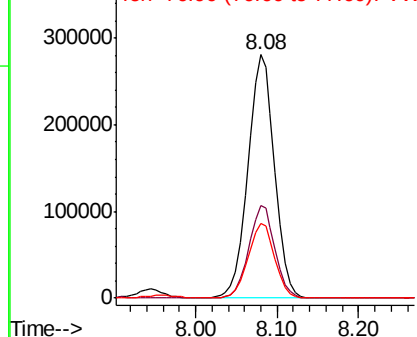


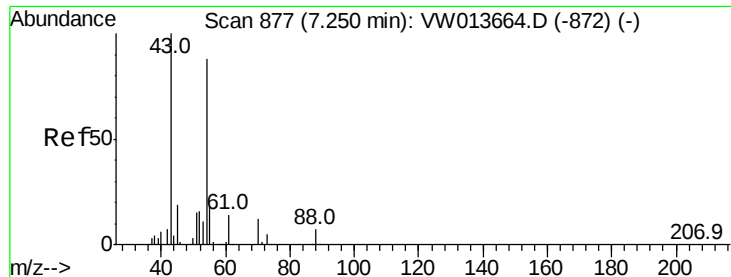
#36
 1,1-Dichloropropene
 Concen: 135.856 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion: 75 Resp: 633631
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.7 56.1
 77 31.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

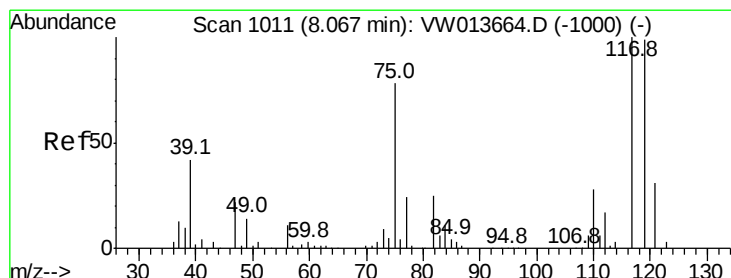
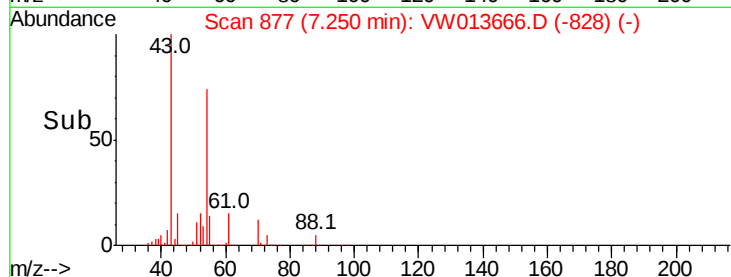
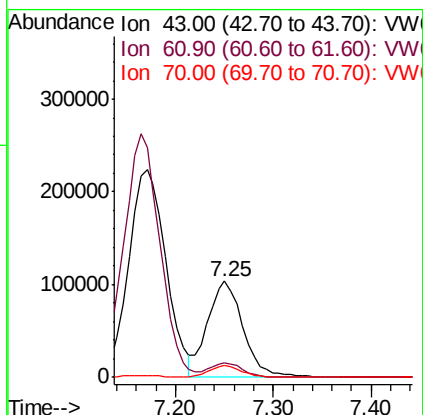
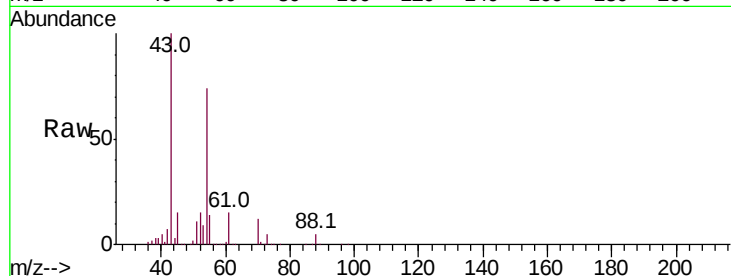




#37
Ethyl Acetate
Concen: 126.365 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

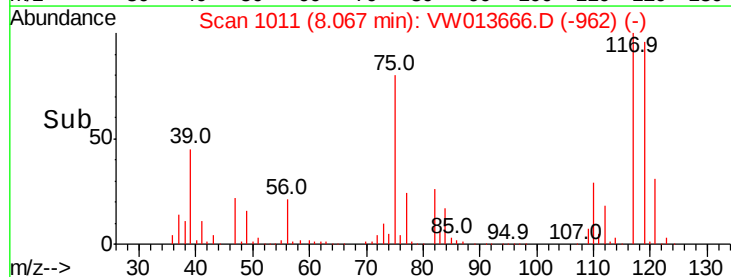
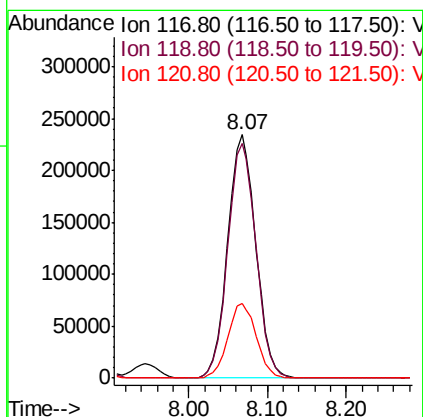
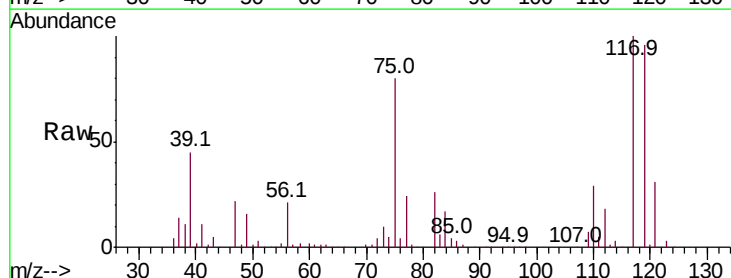
Instrument :
MSVOA_W
ClientSampleId :

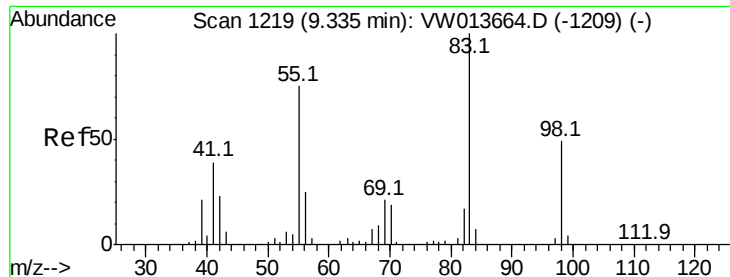
Tot Ion: 43 Resp: 260659
Ion Ratio Lower Upper
43 100
61 14.1 11.7 17.5
70 11.2 8.8 13.2



#38
Carbon Tetrachloride
Concen: 140.328 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion: 117 Resp: 578999
Ion Ratio Lower Upper
117 100
119 96.3 79.0 118.4
121 30.7 24.5 36.7

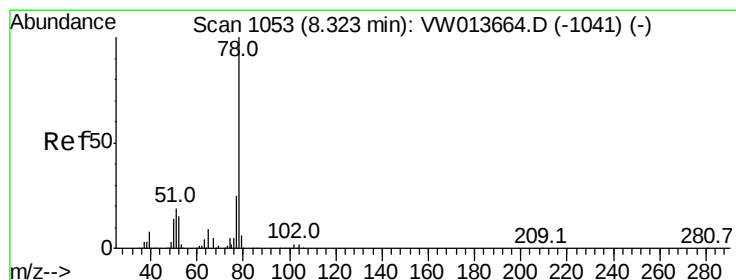
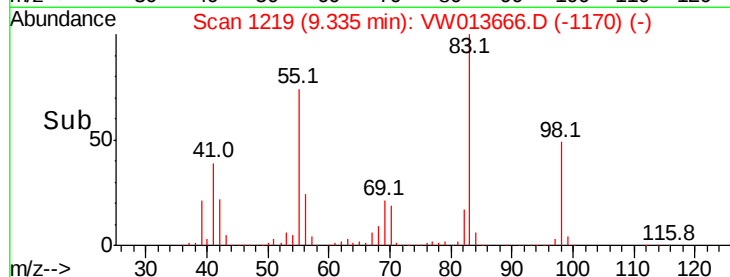
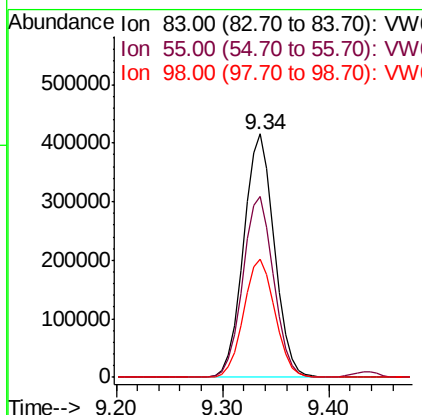
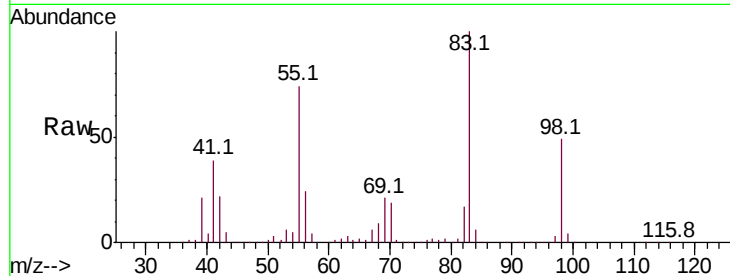




#39
Methvlcvclohexane
Concen: 138.968 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

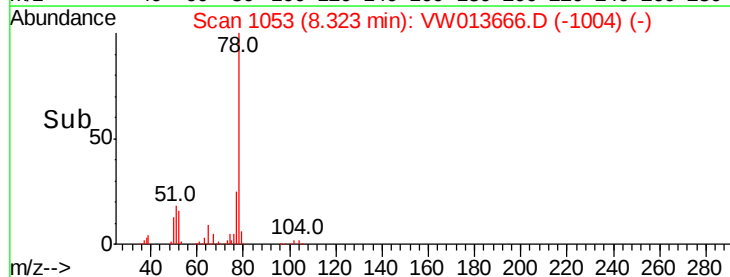
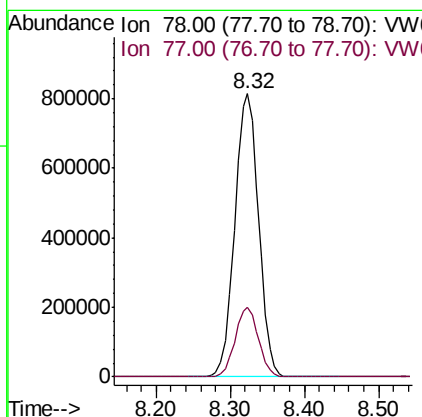
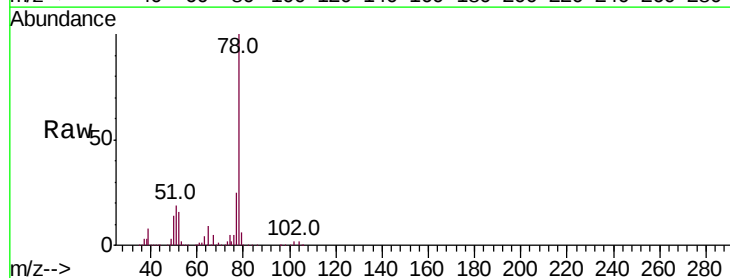
Instrument :
MSVOA_W
ClientSampled :

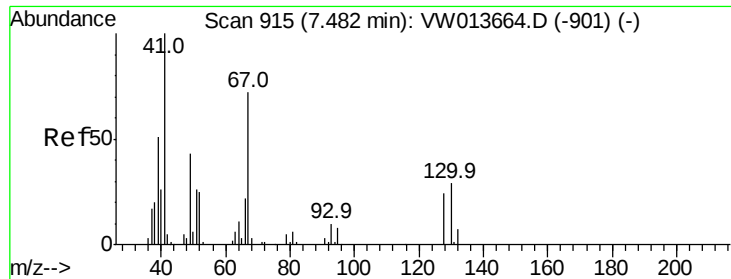
Tot Ion: 83 Resp: 840255
Ion Ratio Lower Upper
83 100
55 74.5 59.9 89.9
98 48.6 39.4 59.2



#40
Benzene
Concen: 139.562 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion: 78 Resp: 1821063
Ion Ratio Lower Upper
78 100
77 24.7 19.6 29.4

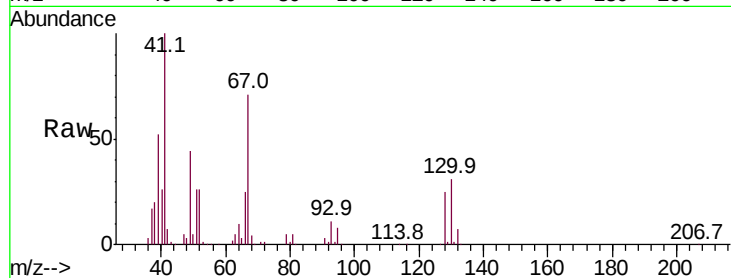




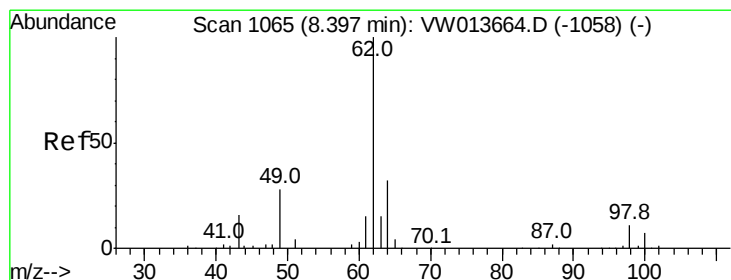
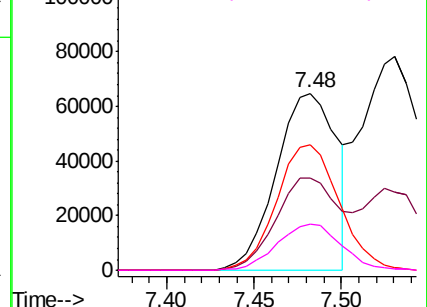
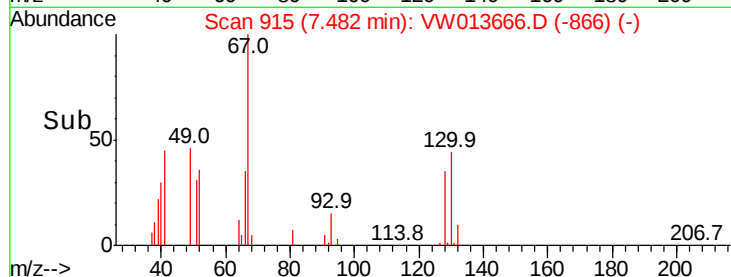
#41
Methacrylonitrile
Concen: 132.653 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	156505
Ion	Ratio	Lower	Upper
41	100		
39	56.5	44.8	67.2
67	73.3	59.3	88.9
52	28.2	23.4	35.0

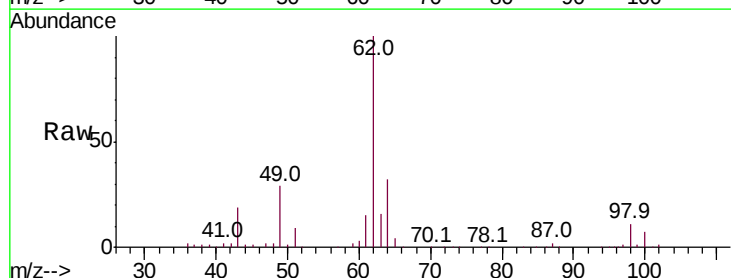


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

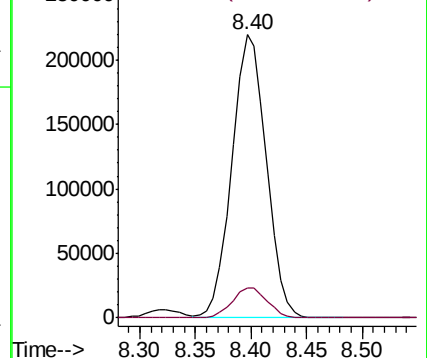
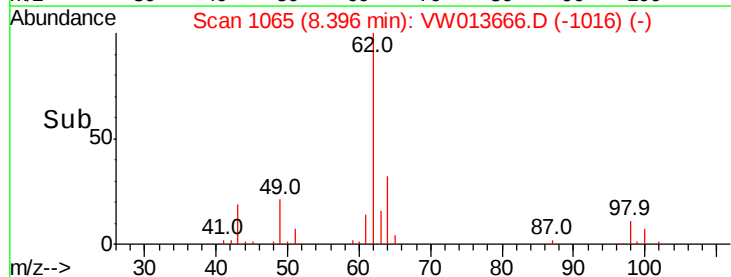


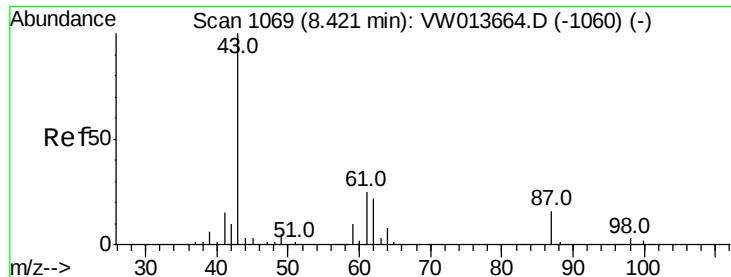
#42
1,2-Dichloroethane
Concen: 142.297 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion:	62	Resp:	469540
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 135.120 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :

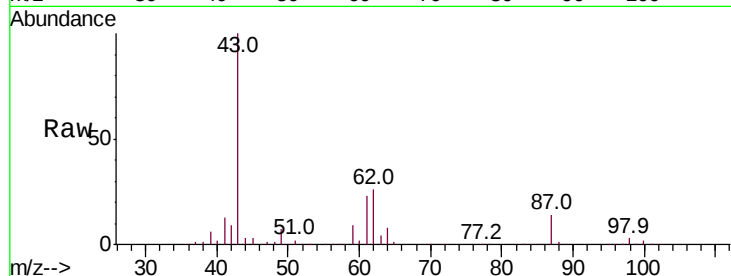
Tot Ion: 43 Resp: 508196

Ion Ratio Lower Upper

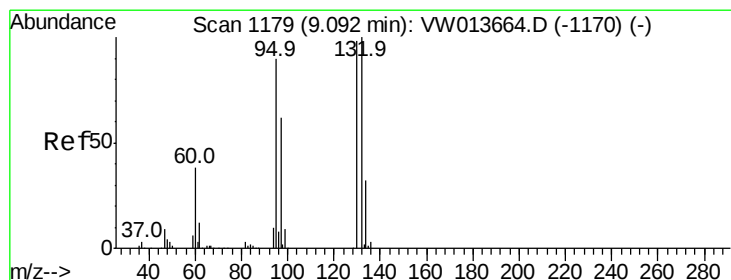
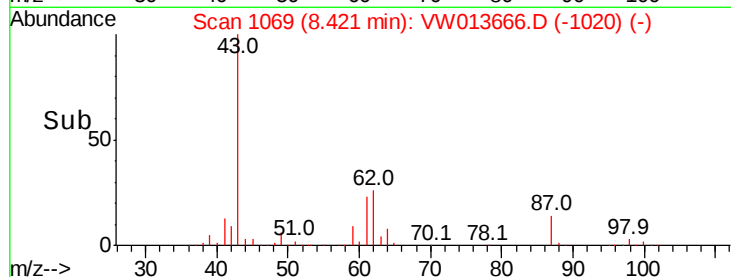
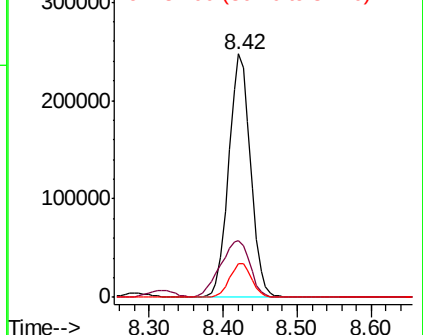
43 100

61 31.4 26.1 39.1

87 14.1 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 139.615 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013666.D

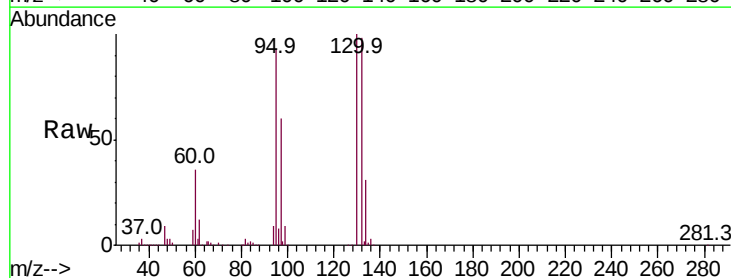
Acq: 23 Oct 2019 13:34

Tgt Ion:130 Resp: 519848

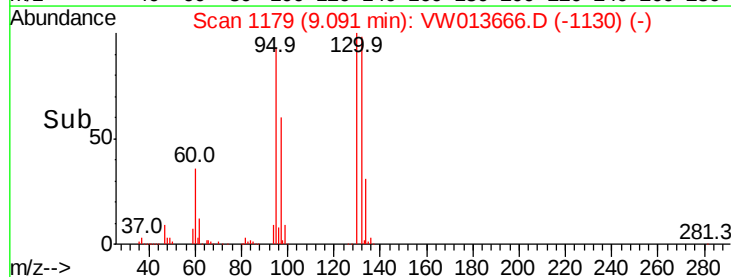
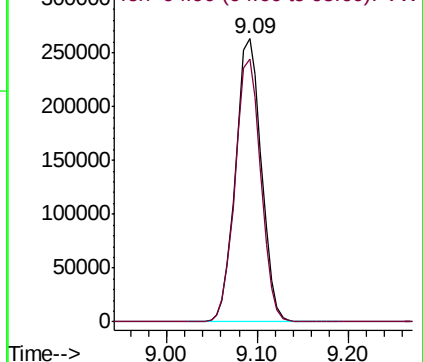
Ion Ratio Lower Upper

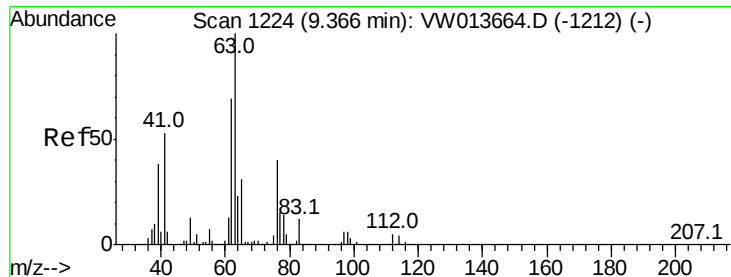
130 100

95 93.0 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 141.390 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

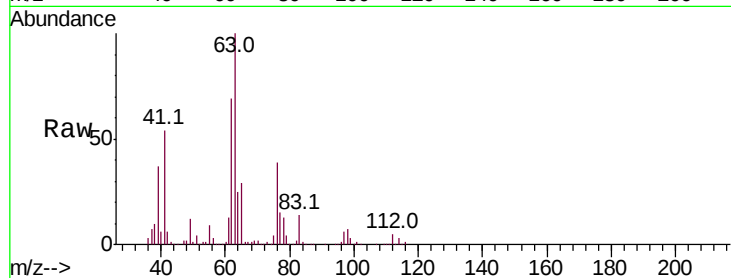
ClientSampleId :

Tot Ion: 63 Resp: 443303

Ion Ratio Lower Upper

63 100

65 29.3 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

250000

200000

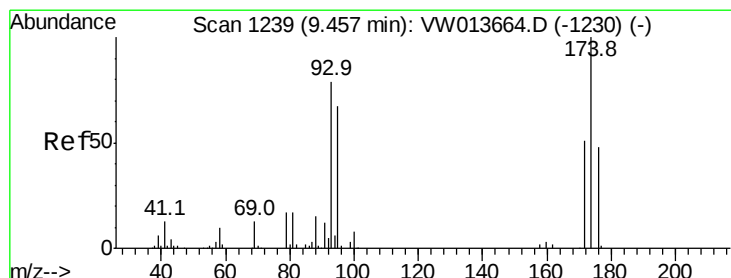
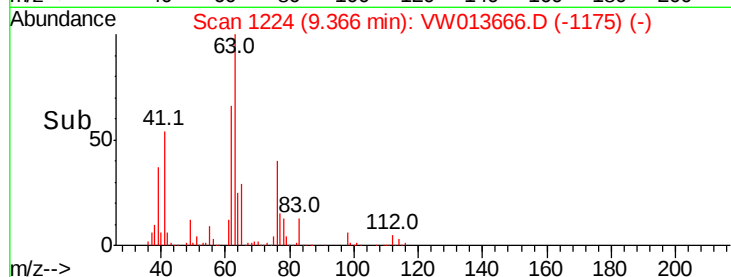
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 140.853 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

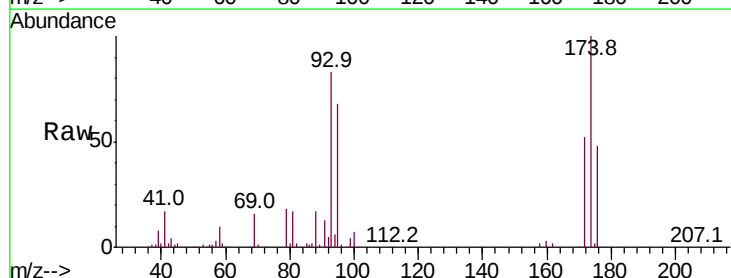
Tgt Ion: 93 Resp: 219292

Ion Ratio Lower Upper

93 100

95 82.7 66.5 99.7

174 121.6 99.6 149.4



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

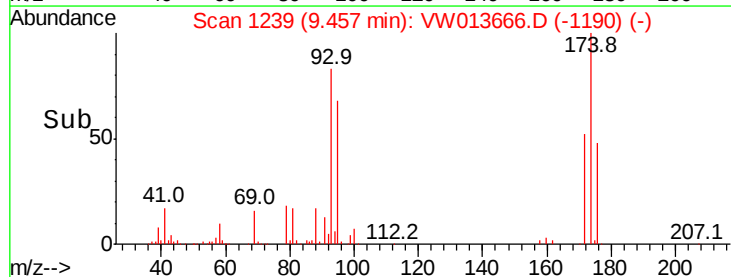
150000

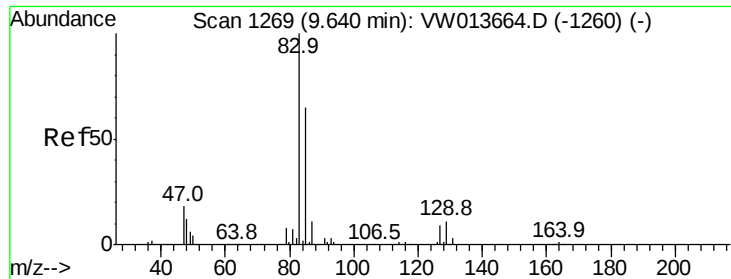
100000

50000

0

Time-->

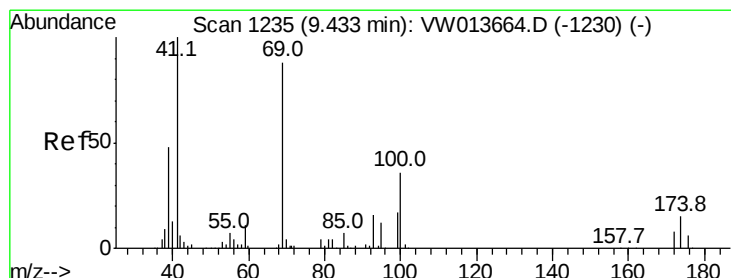
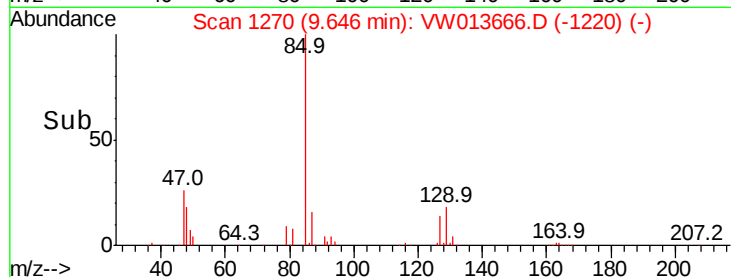
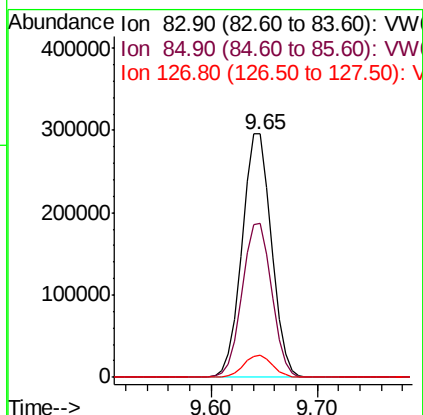
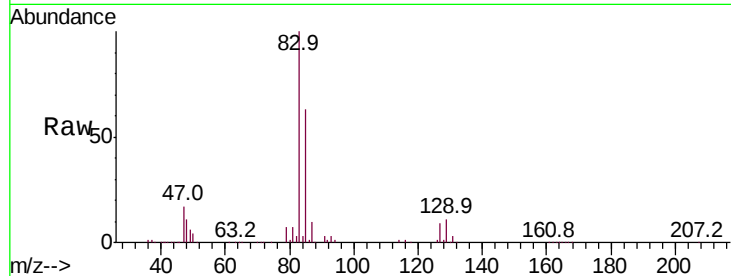




#47
 Bromodichloromethane
 Concen: 147.698 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

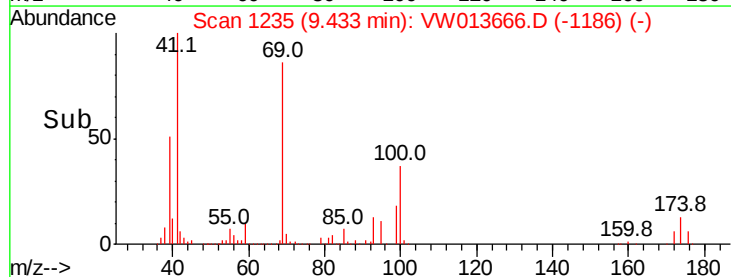
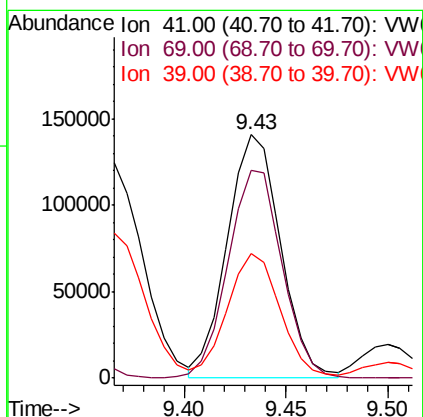
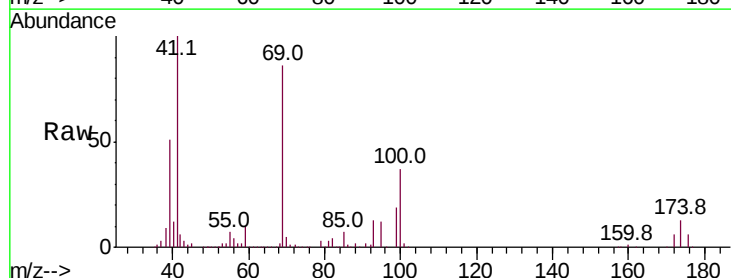
Instrument :
 MSVOA_W
 ClientSampleId :

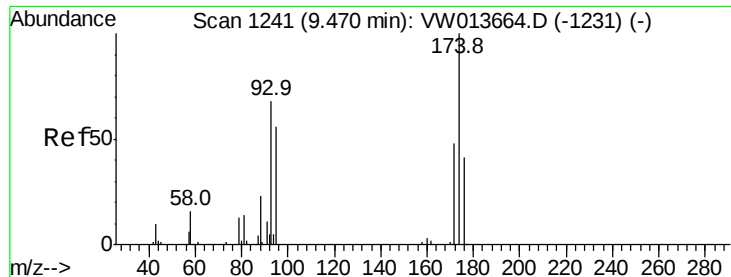
Tot Ion	83	Resp	574478
Ion Ratio	100		
85	63.1	51.8	77.6
127	9.0	7.3	10.9



#48
 Methyl methacrylate
 Concen: 137.257 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion	41	Resp	255779
Ion Ratio	100		
69	86.4	67.6	101.4
39	47.4	38.6	58.0

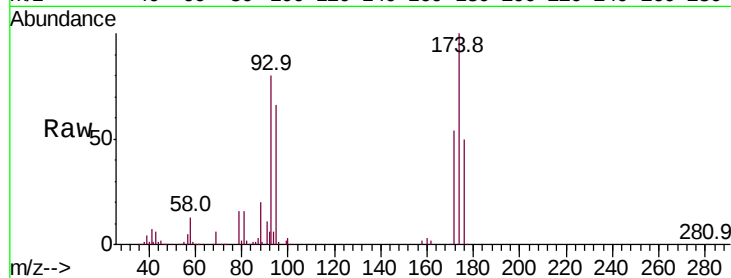




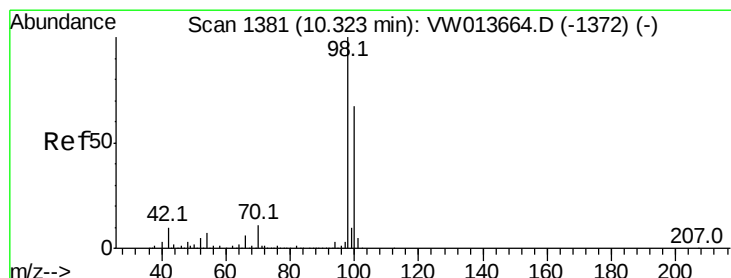
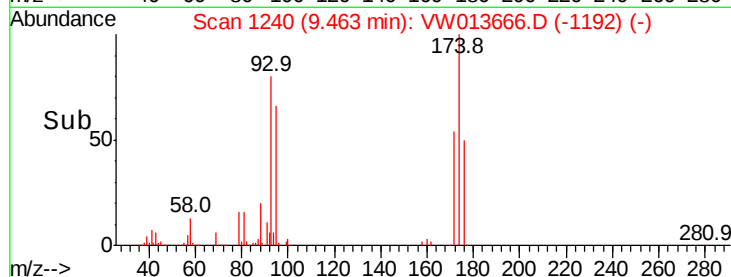
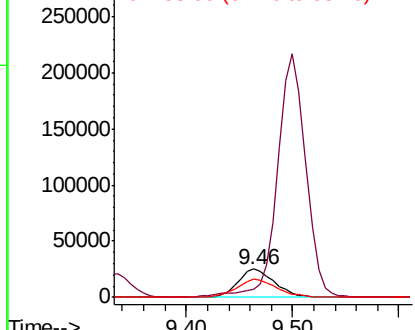
#49
1,4-Dioxane
Concen: 2276.965 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 60331
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 72.0 58.9 88.3

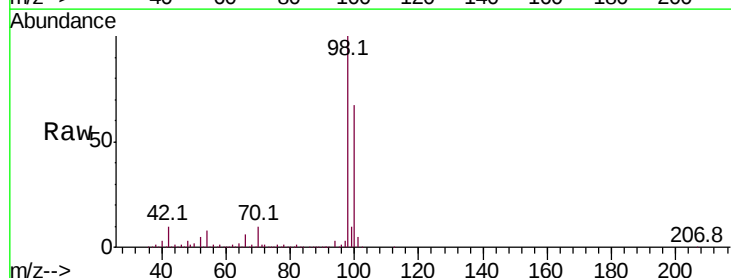


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

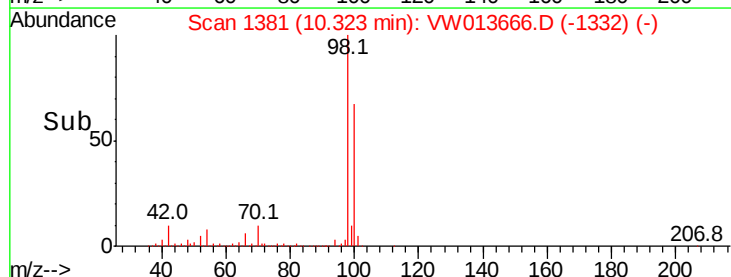
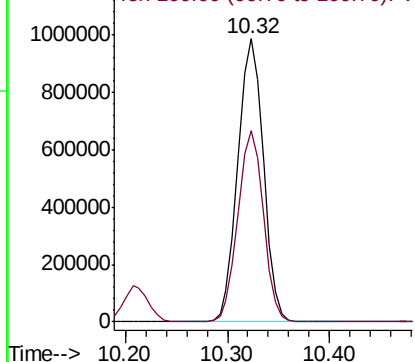


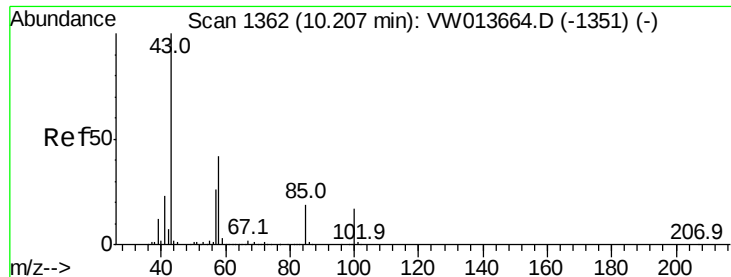
#50
Toluene-d8
Concen: 140.834 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion: 98 Resp: 1710144
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 630.778 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

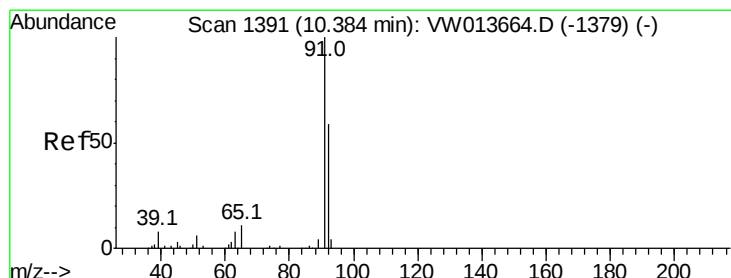
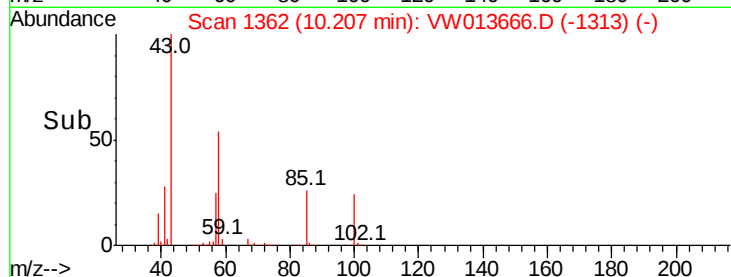
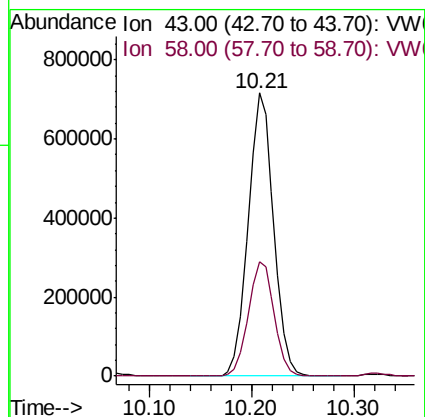
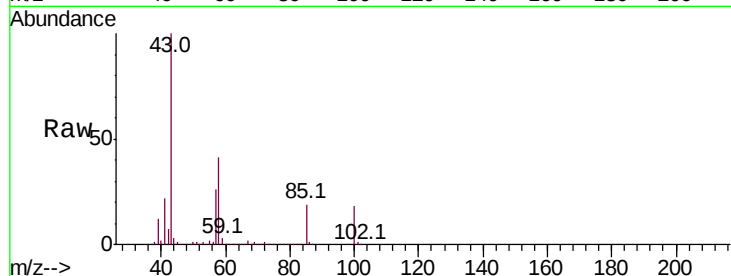
ClientSampled :

Tot Ion: 43 Resp: 1238392

Ion Ratio Lower Upper

43 100

58 41.2 32.6 49.0



#52

Toluene

Concen: 140.521 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013666.D

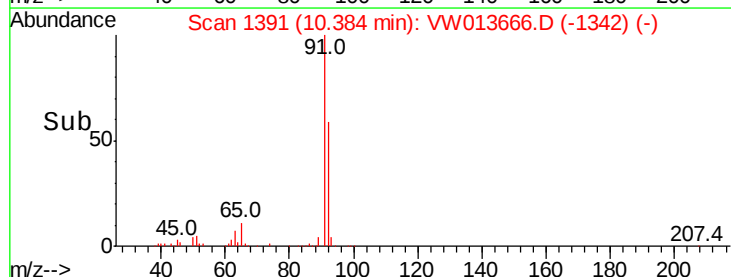
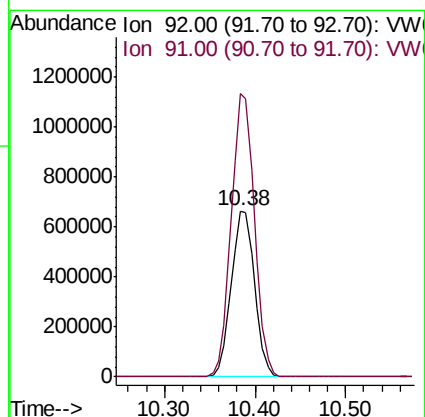
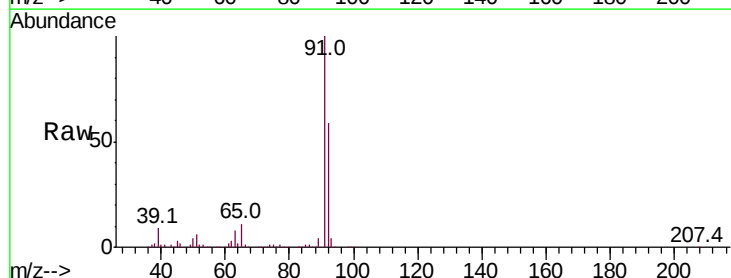
Acq: 23 Oct 2019 13:34

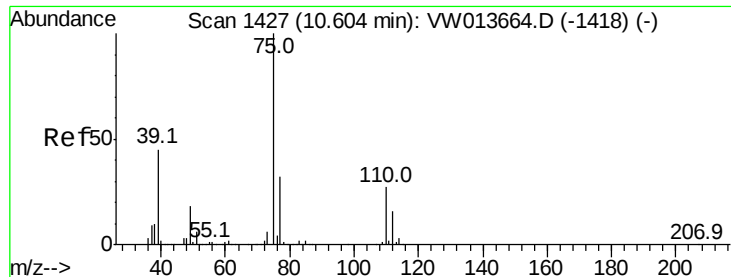
Tgt Ion: 92 Resp: 1181605

Ion Ratio Lower Upper

92 100

91 169.9 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 149.181 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

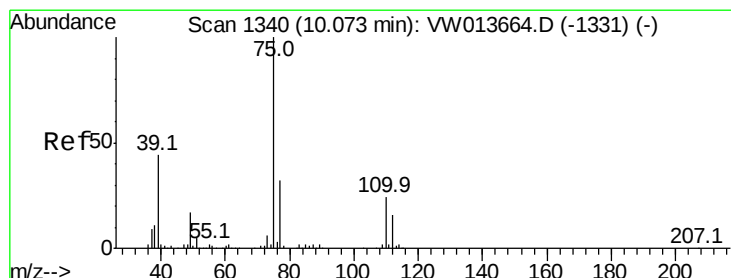
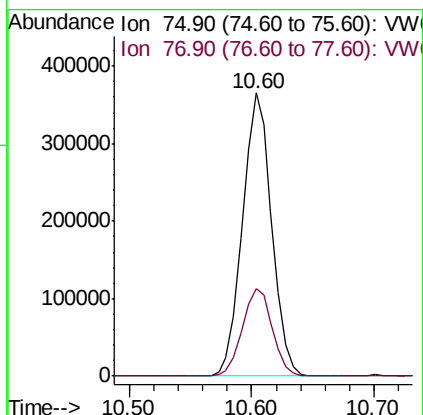
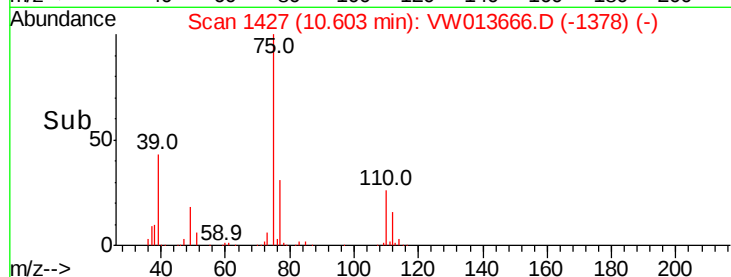
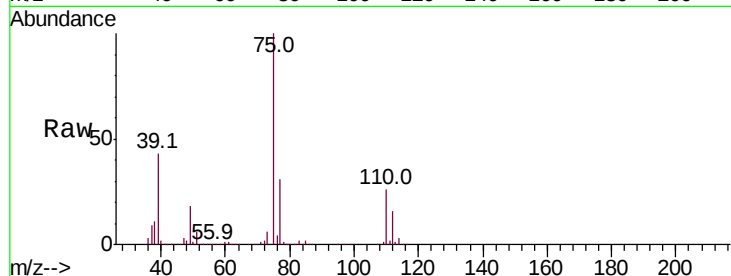
ClientSampleId :

Tot Ion: 75 Resp: 601274

Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 149.141 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

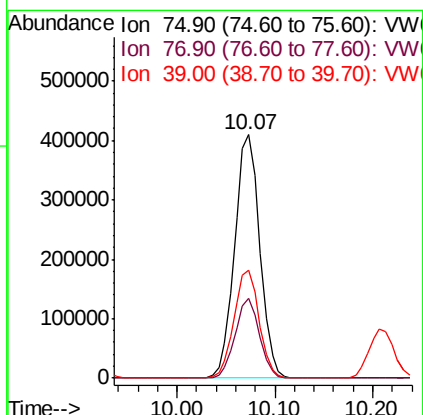
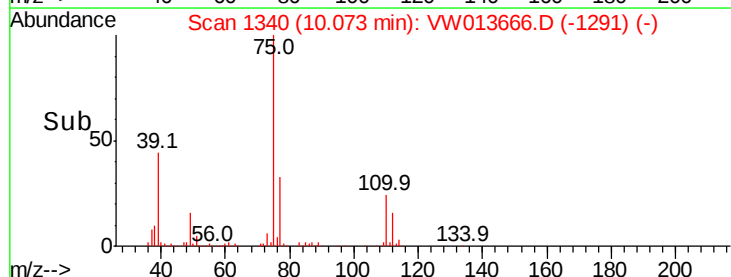
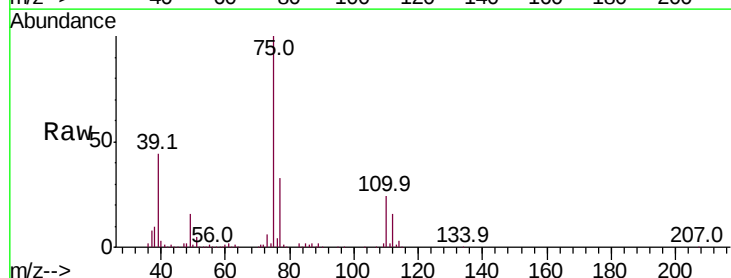
Tgt Ion: 75 Resp: 730470

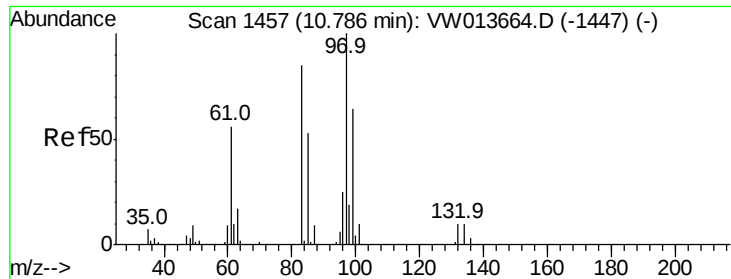
Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6

39 44.3 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 138.223 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 322074

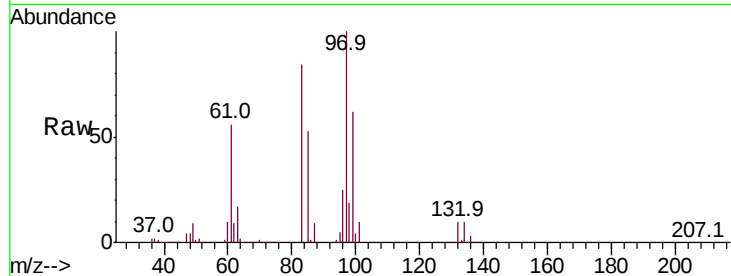
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.8	101.8
85	52.9	42.1	63.1
99	62.0	51.4	77.0

97 100

83 83.8 67.8 101.8

85 52.9 42.1 63.1

99 62.0 51.4 77.0



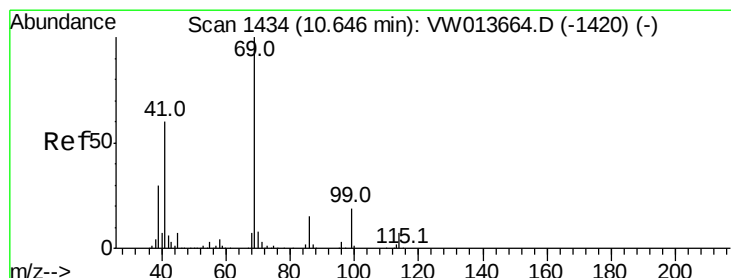
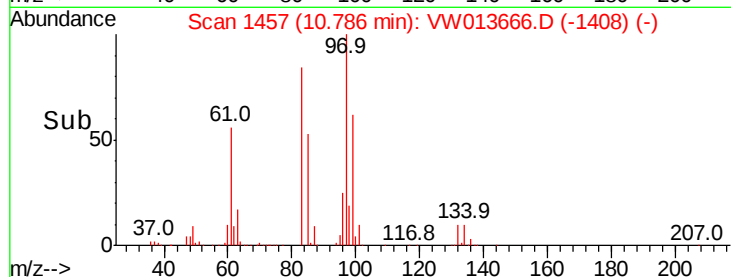
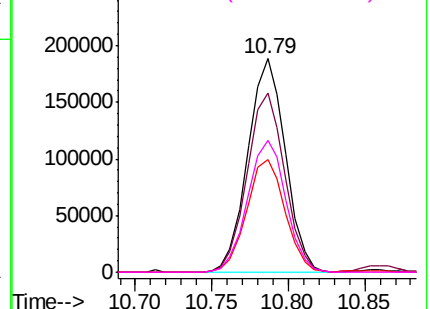
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 142.916 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

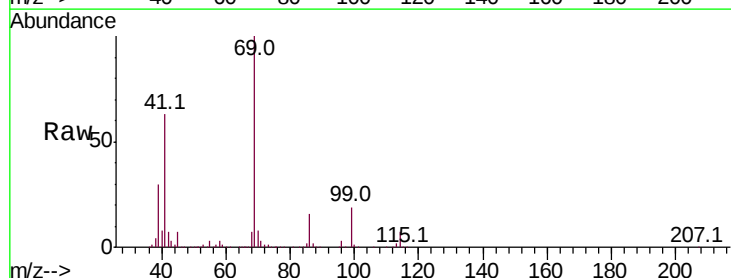
Tgt Ion: 69 Resp: 442857

Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.6	77.4
39	28.1	22.4	33.6

69 100

41 64.3 51.6 77.4

39 28.1 22.4 33.6

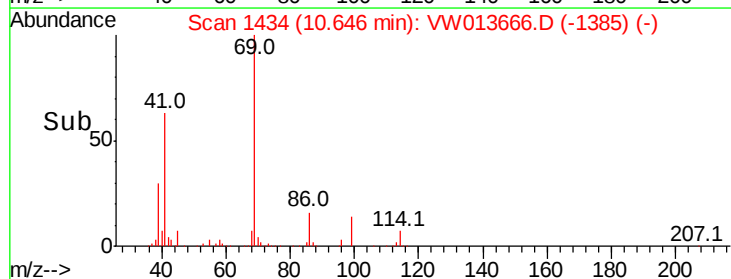
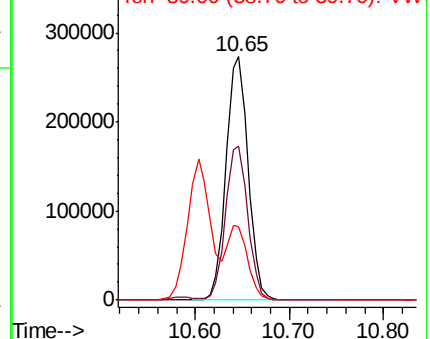


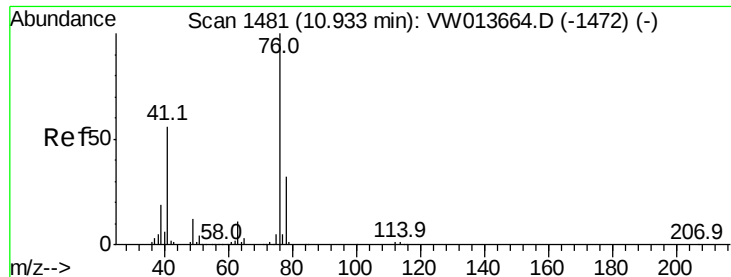
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 140.757 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

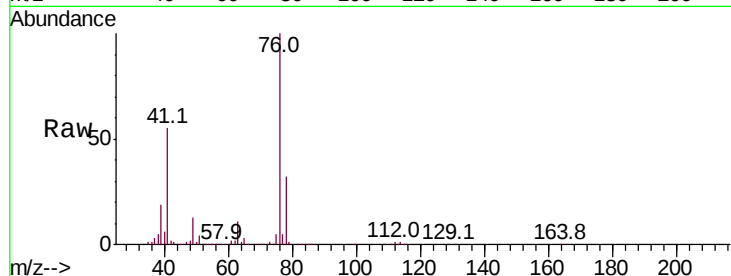
ClientSampleId :

Tot Ion: 76 Resp: 563948

Ion Ratio Lower Upper

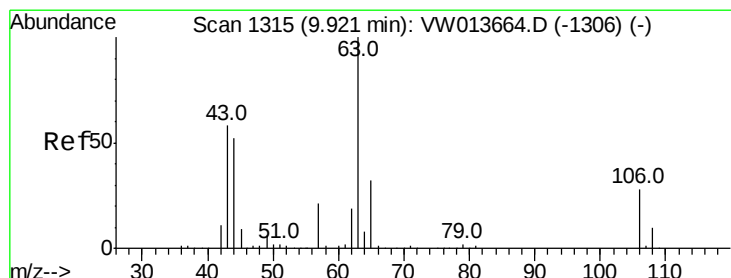
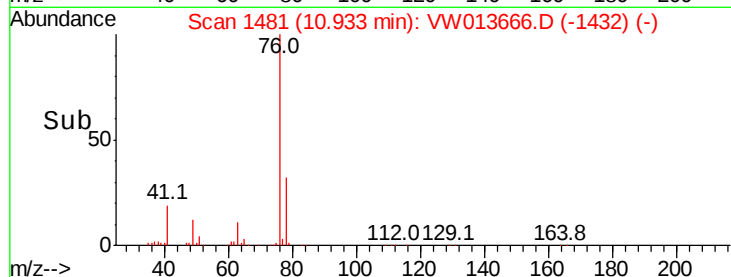
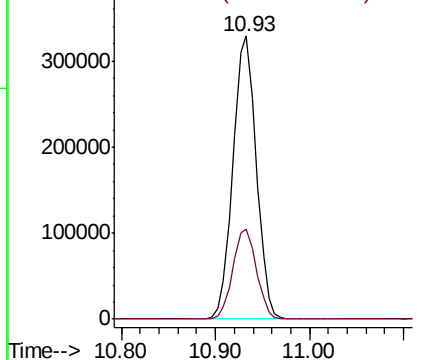
76 100

78 32.3 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 710.529 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013666.D

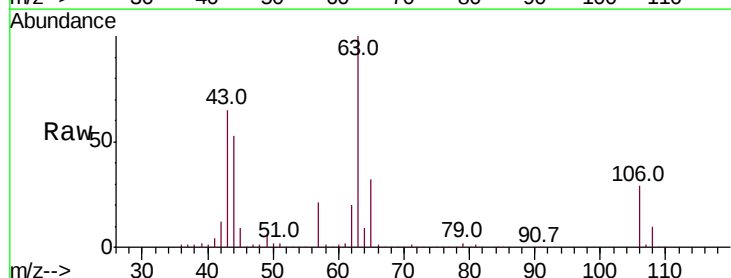
Acq: 23 Oct 2019 13:34

Tgt Ion: 63 Resp: 1035281

Ion Ratio Lower Upper

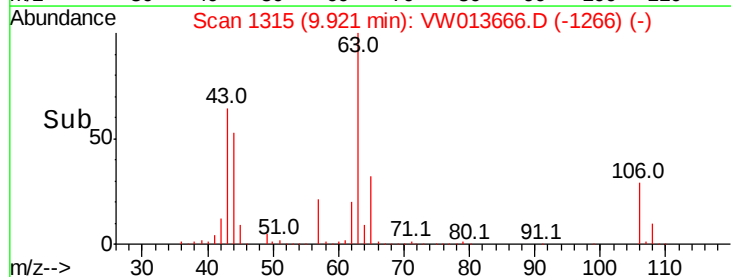
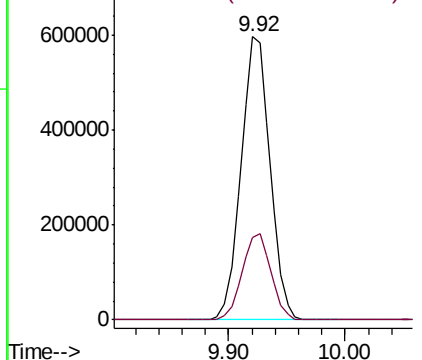
63 100

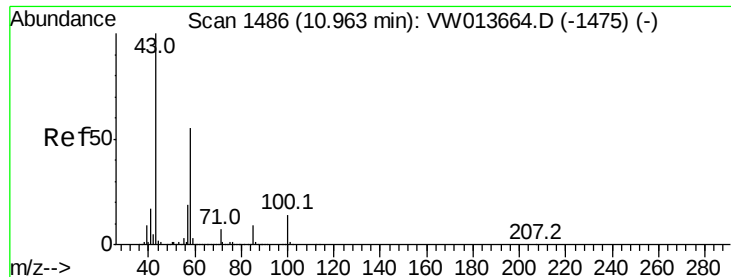
106 30.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 656.612 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

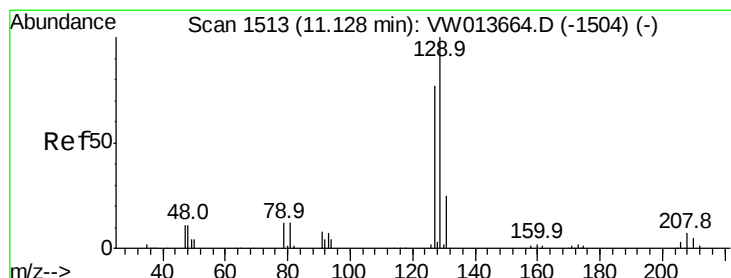
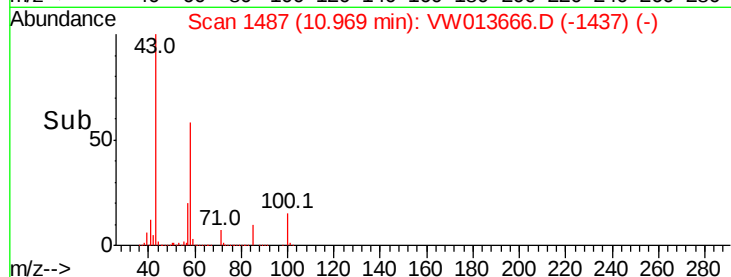
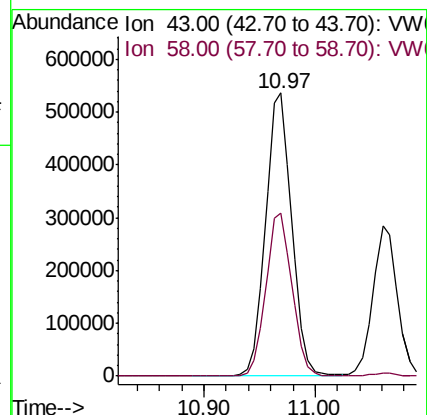
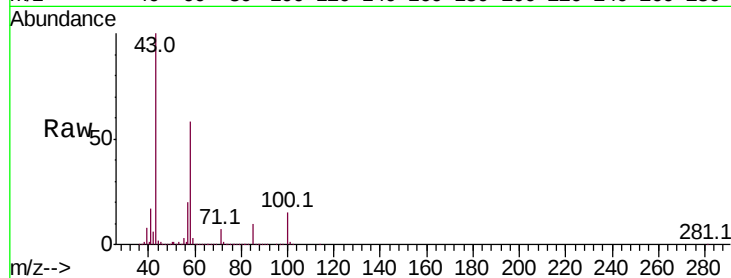
ClientSampled :

Tot Ion: 43 Resp: 881868

Ion Ratio Lower Upper

43 100

58 57.5 27.9 83.7



#60

Dibromochloromethane

Concen: 150.572 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013666.D

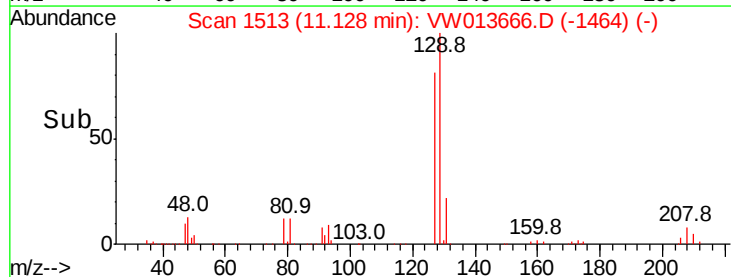
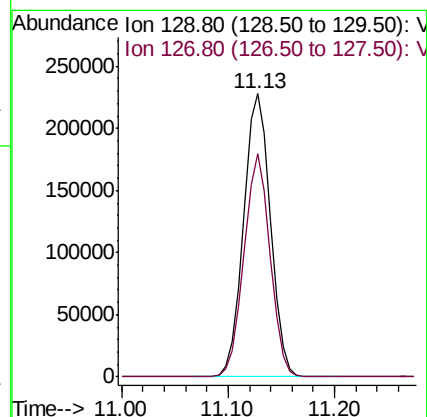
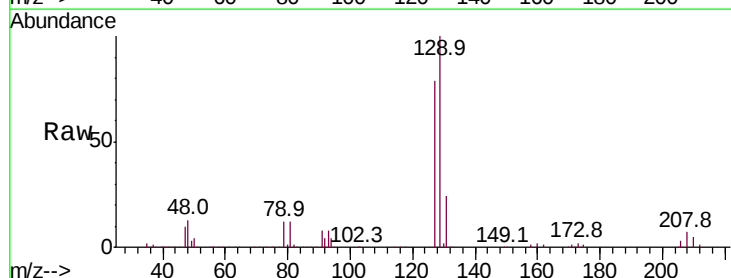
Acq: 23 Oct 2019 13:34

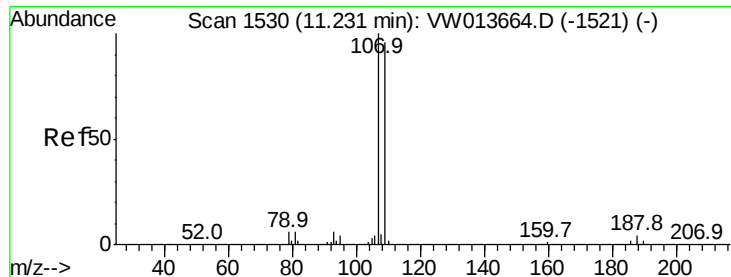
Tgt Ion: 129 Resp: 403799

Ion Ratio Lower Upper

129 100

127 76.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 140.796 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

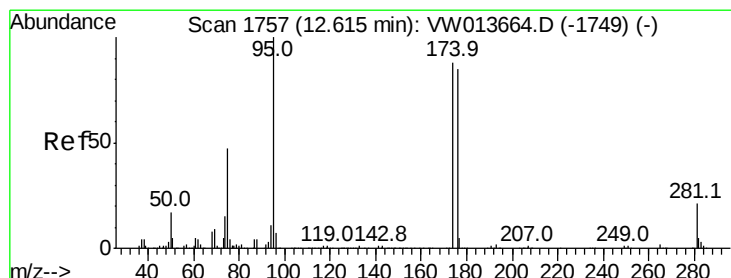
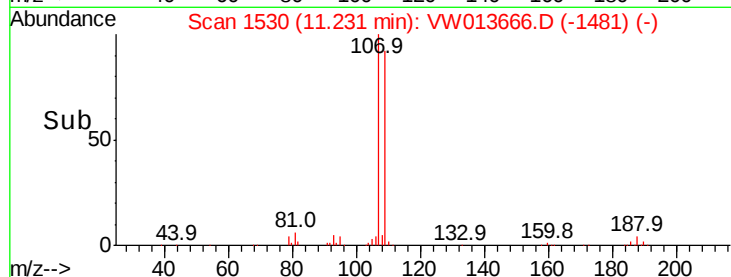
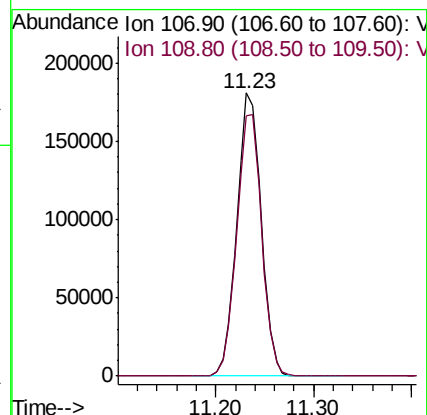
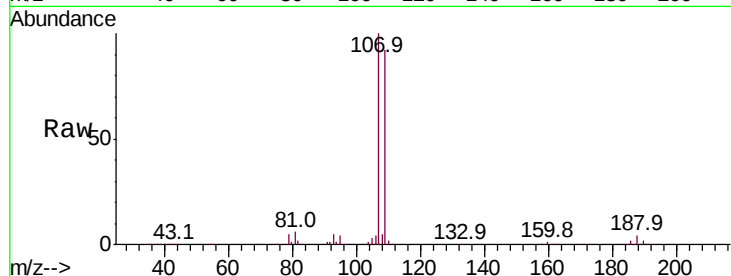
ClientSampleId :

Tot Ion:107 Resp: 312258

Ion Ratio Lower Upper

107 100

109 94.9 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 139.733 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

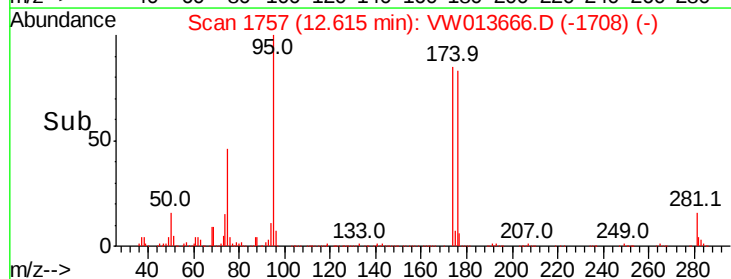
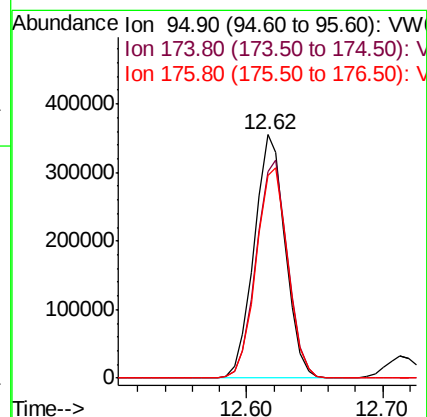
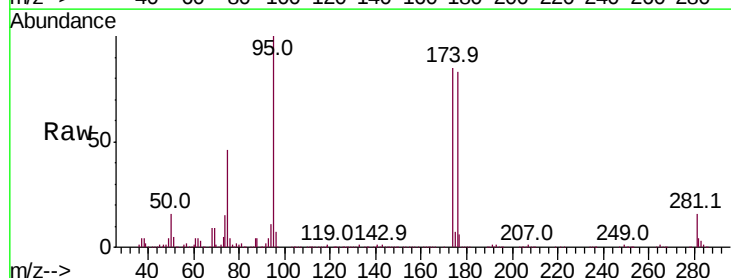
Tgt Ion: 95 Resp: 569870

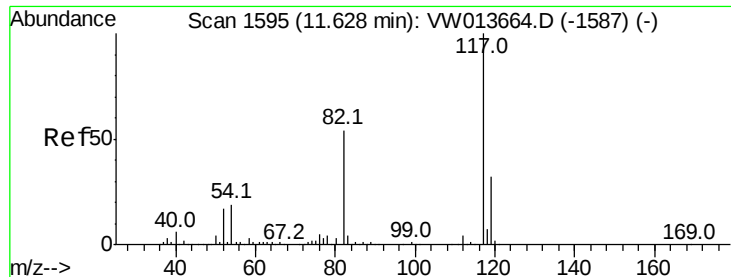
Ion Ratio Lower Upper

95 100

174 90.7 0.0 183.6

176 88.5 0.0 178.0

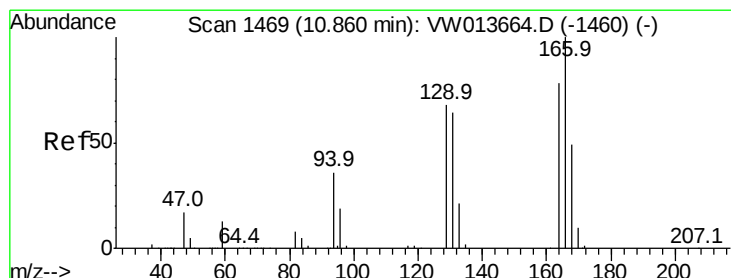
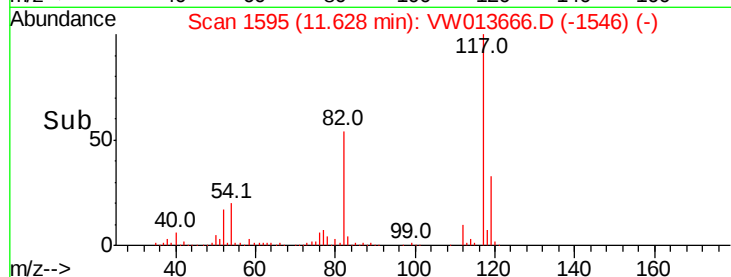
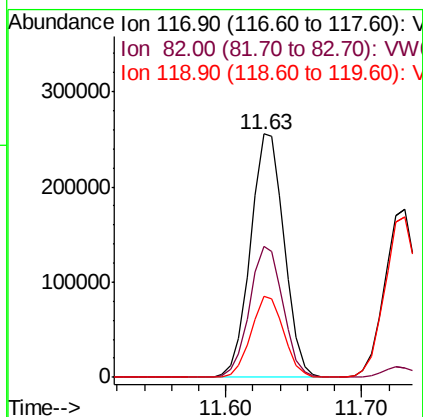
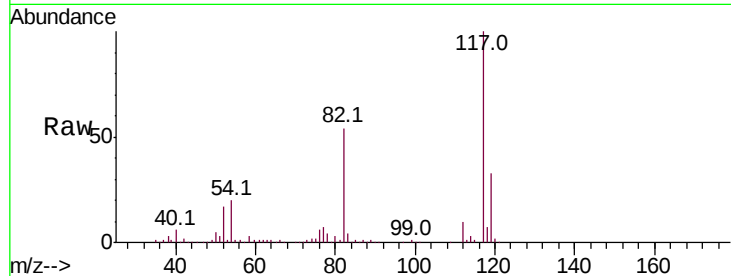




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

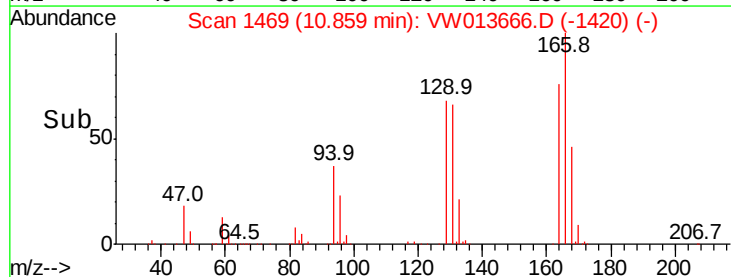
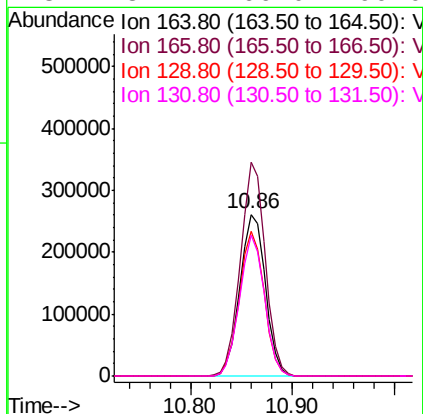
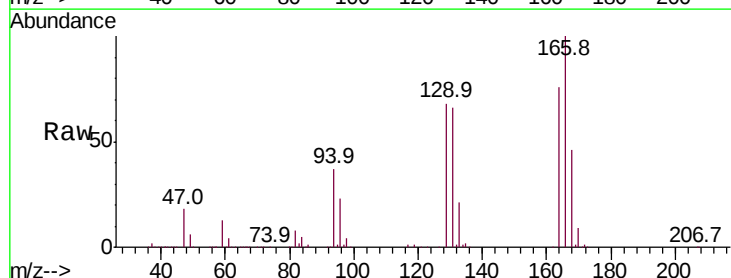
Instrument :
MSVOA_W
ClientSampleId :

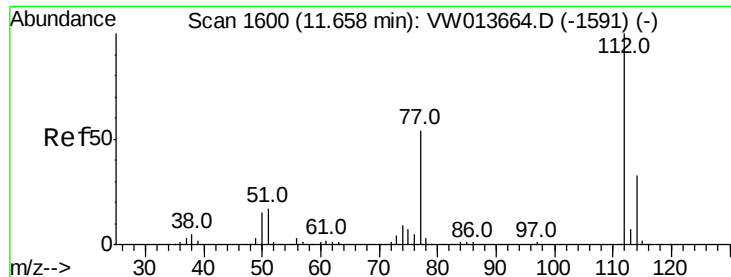
Tot Ion:117 Resp: 443631
Ion Ratio Lower Upper
117 100
82 54.0 43.6 65.4
119 33.1 25.4 38.2



#64
Tetrachloroethene
Concen: 137.252 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion:164 Resp: 451148
Ion Ratio Lower Upper
164 100
166 132.0 103.2 154.8
129 89.6 70.6 105.8
131 87.4 66.0 99.0





#65

Chlorobenzene

Concen: 139.144 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

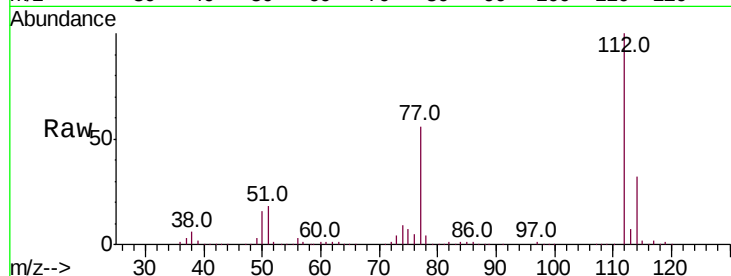
ClientSampled :

Tot Ion:112 Resp: 1233333

Ion Ratio Lower Upper

112 100

114 32.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

800000

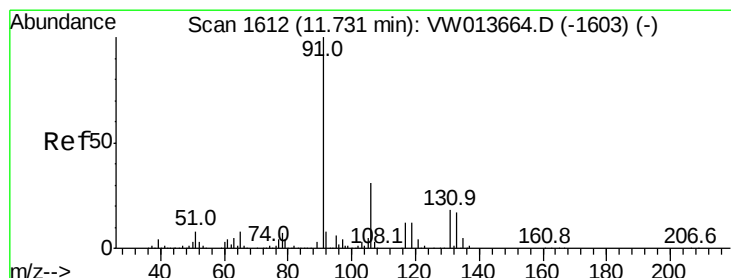
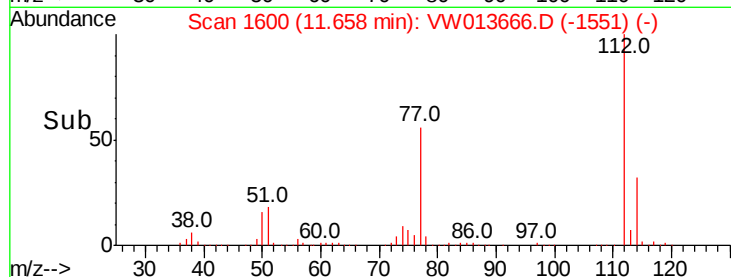
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 142.631 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

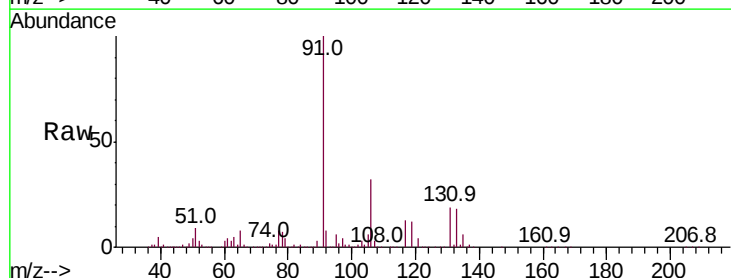
Tgt Ion:131 Resp: 440218

Ion Ratio Lower Upper

131 100

133 96.4 47.4 142.3

119 65.1 33.1 99.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

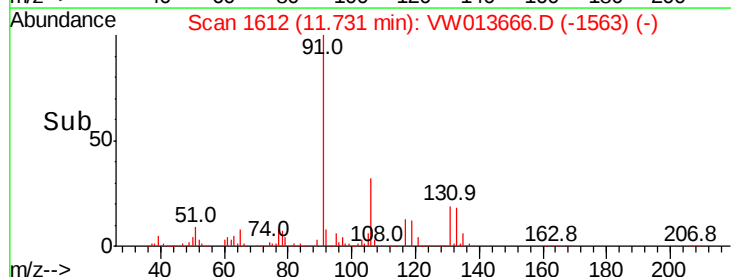
300000

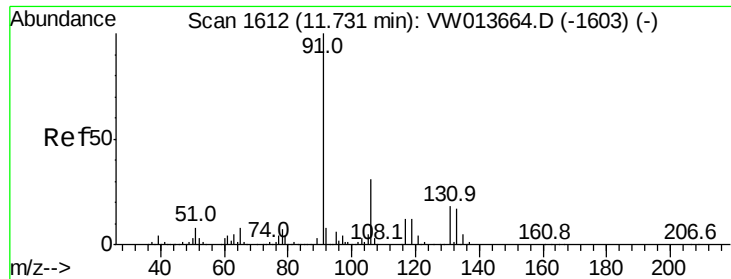
200000

100000

0

Time-->

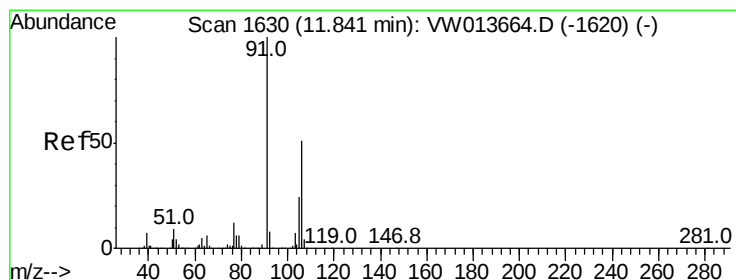
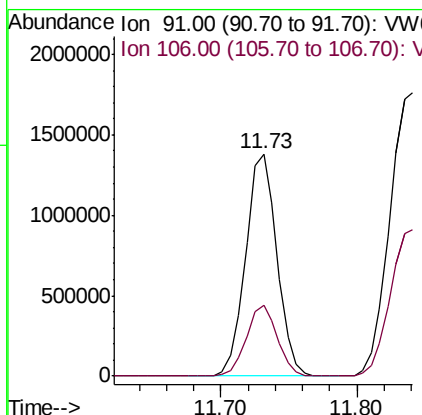
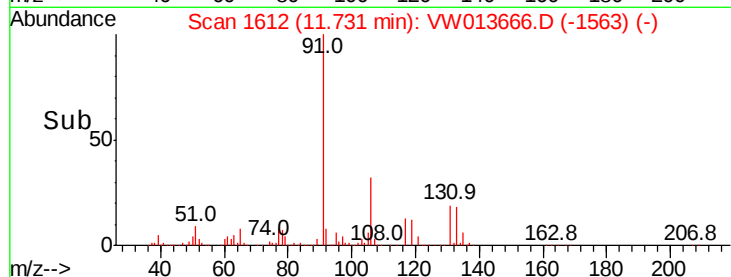
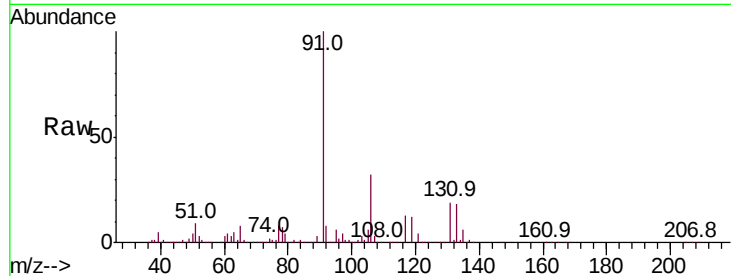




#67
Ethyl Benzene
Concen: 136.999 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

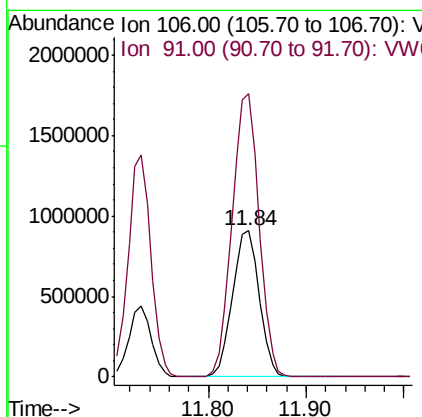
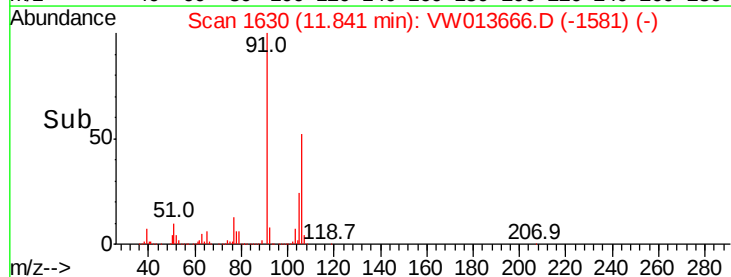
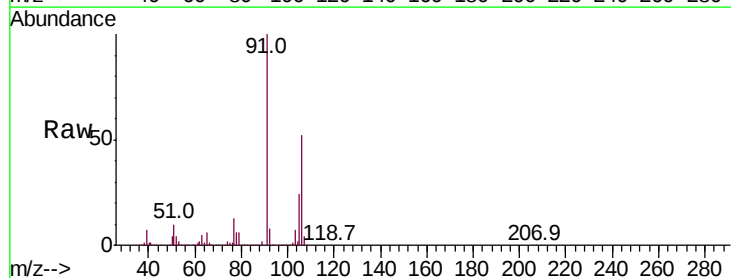
Instrument :
MSVOA_W
ClientSampleId :

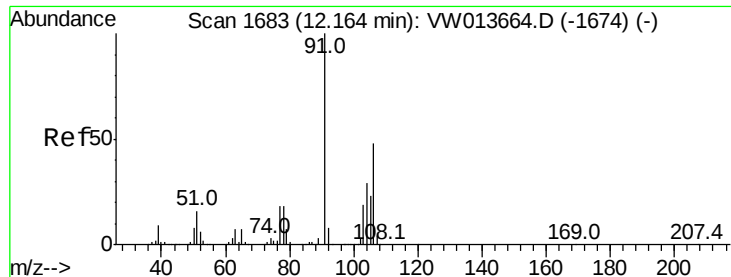
Tot Ion: 91 Resp: 2221672
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6



#68
m/p-Xylenes
Concen: 279.271 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion:106 Resp: 1722817
Ion Ratio Lower Upper
106 100
91 195.1 159.2 238.8

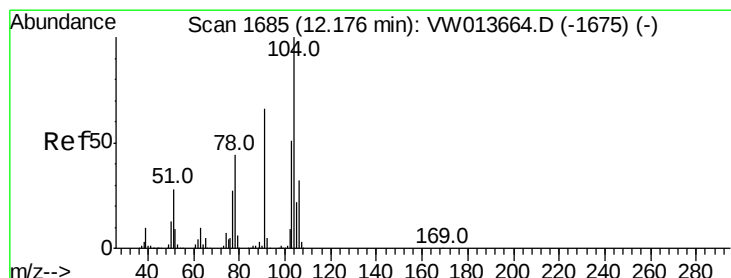
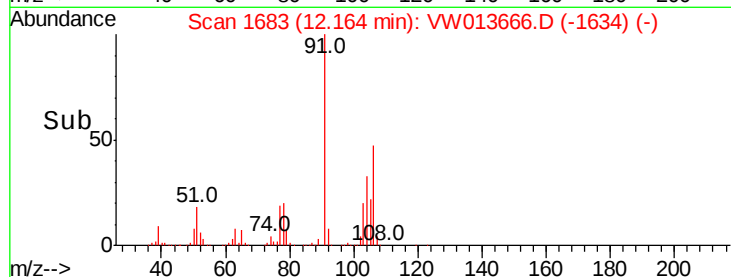
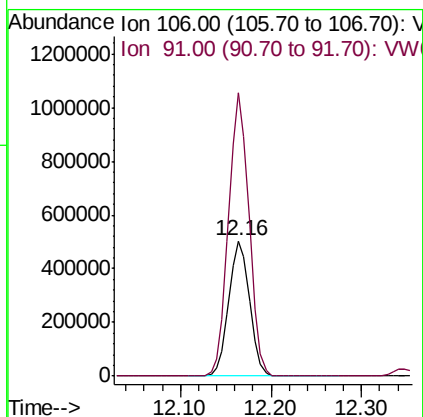
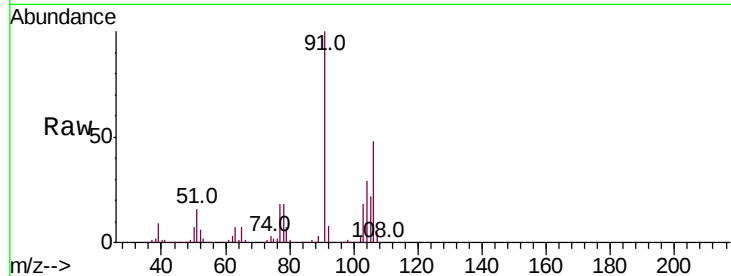




#69
o-Xylene
Concen: 140.455 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

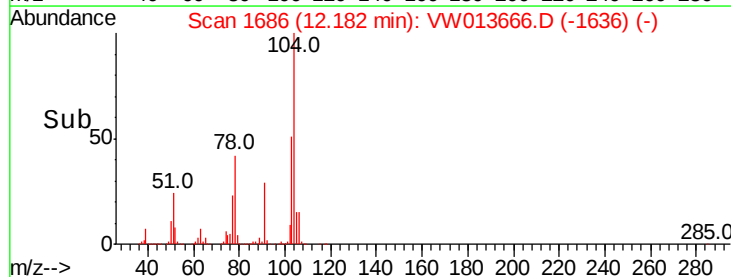
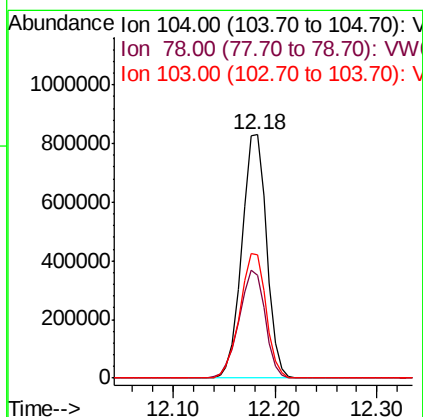
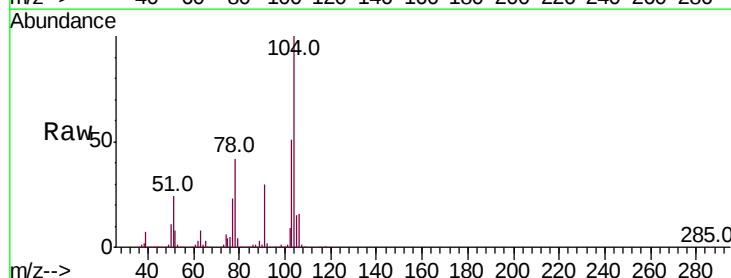
Instrument :
MSVOA_W
ClientSampled :

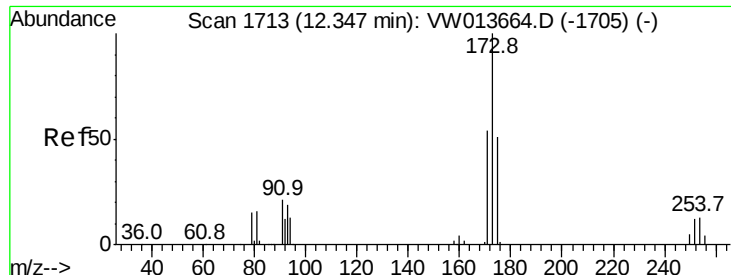
Tot Ion:106 Resp: 802020
Ion Ratio Lower Upper
106 100
91 206.6 104.9 314.7



#70
Styrene
Concen: 142.394 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion:104 Resp: 1395243
Ion Ratio Lower Upper
104 100
78 46.8 37.1 55.7
103 54.1 43.6 65.4

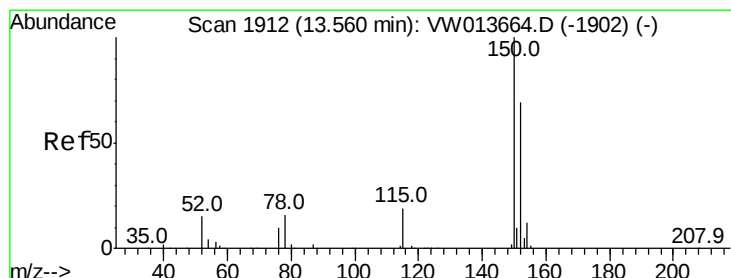
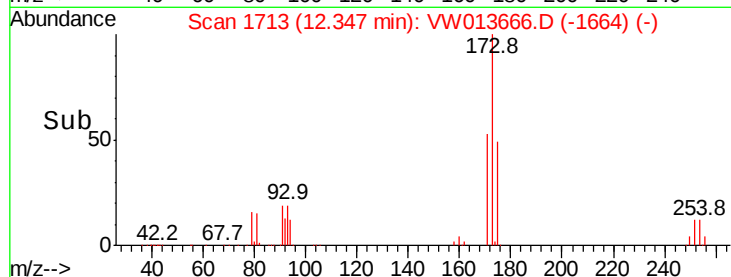
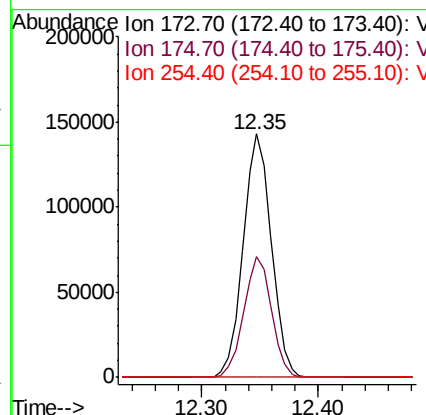
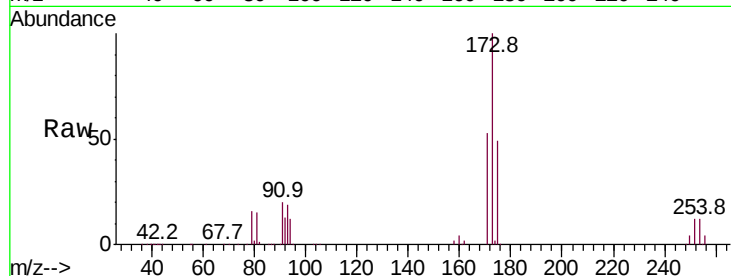




#71
Bromoform
Concen: 143.574 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

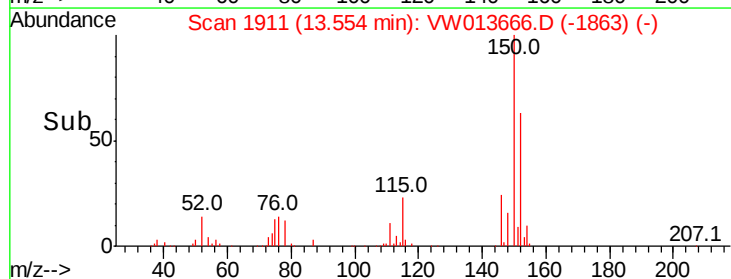
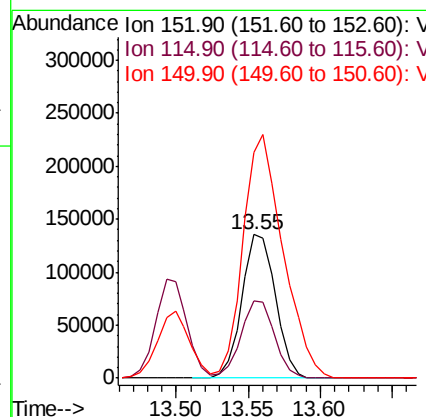
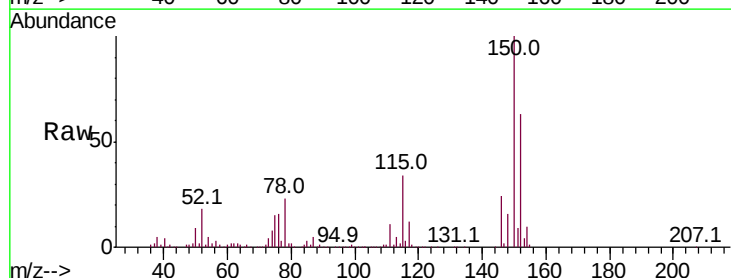
Instrument :
MSVOA_W
ClientSampleId :

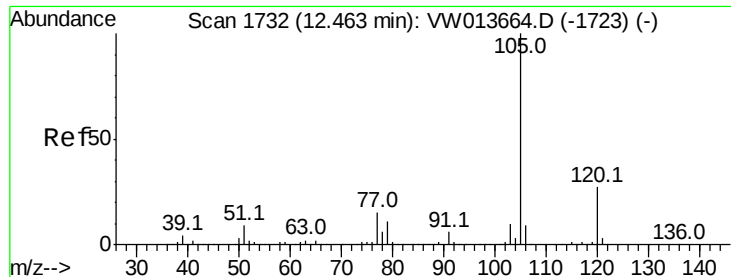
Tot Ion:173 Resp: 241046
Ion Ratio Lower Upper
173 100
175 48.9 25.2 75.6
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion:152 Resp: 219167
Ion Ratio Lower Upper
152 100
115 53.7 27.4 82.2
150 201.3 0.0 345.4





#73

Isopropylbenzene

Concen: 135.834 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

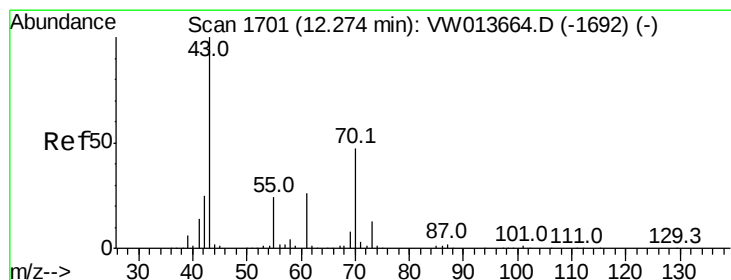
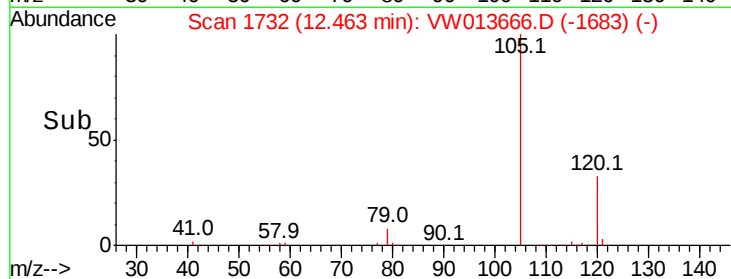
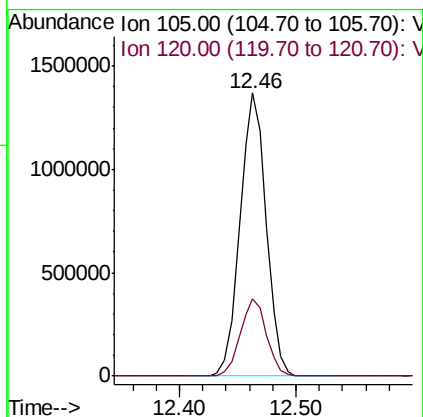
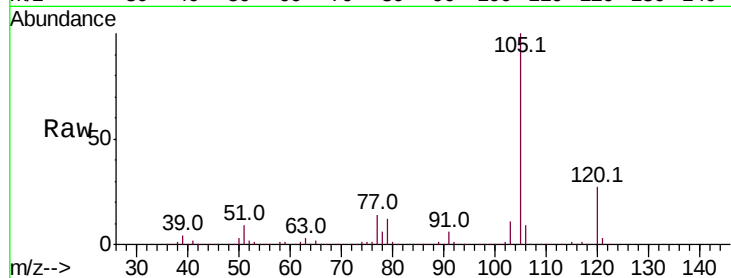
ClientSampleId :

Tot Ion:105 Resp: 2136769

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4



#74

N-ethyl acetate

Concen: 136.878 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion: 43 Resp: 462331

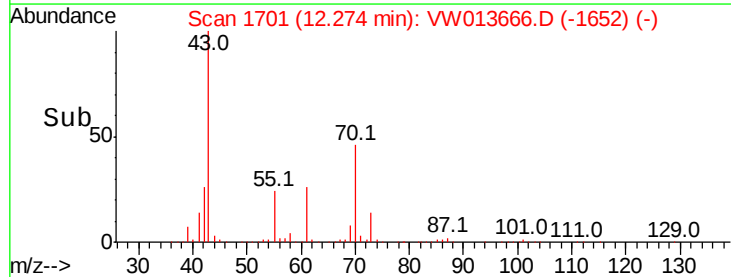
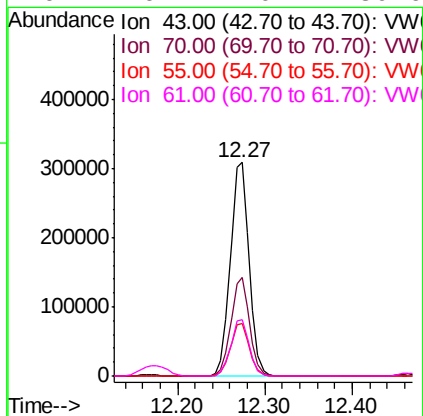
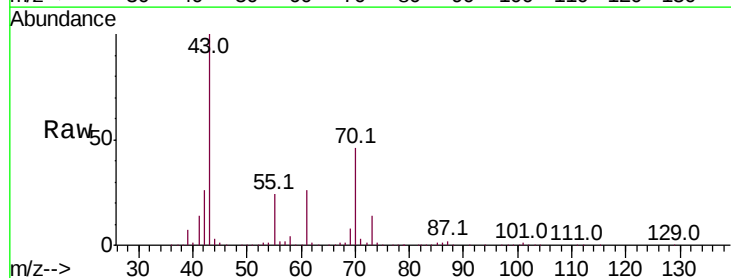
Ion Ratio Lower Upper

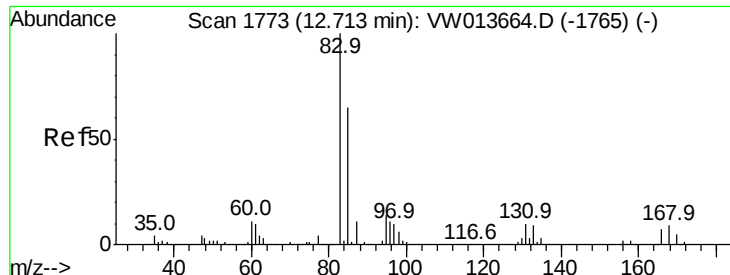
43 100

70 45.7 36.6 55.0

55 24.7 20.3 30.5

61 26.1 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 129.204 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

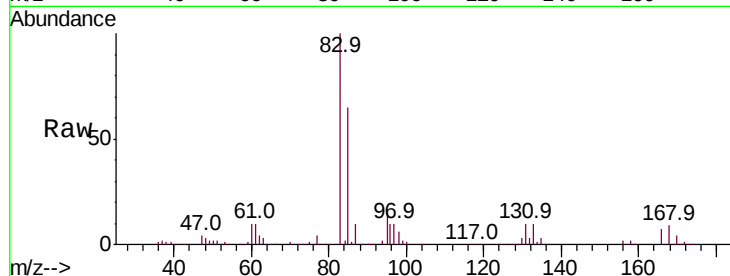
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 83 Resp: 342300

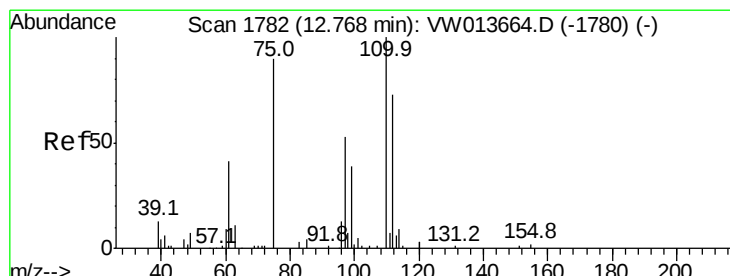
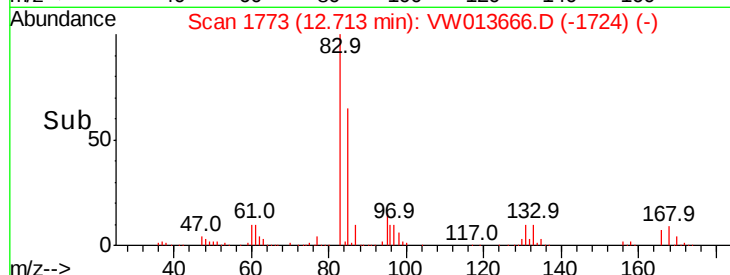
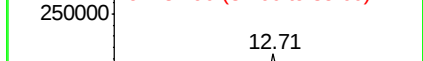
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.1
85	64.5	32.5	97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 249.132 ug/l

RT: 12.77 min Scan# 1782

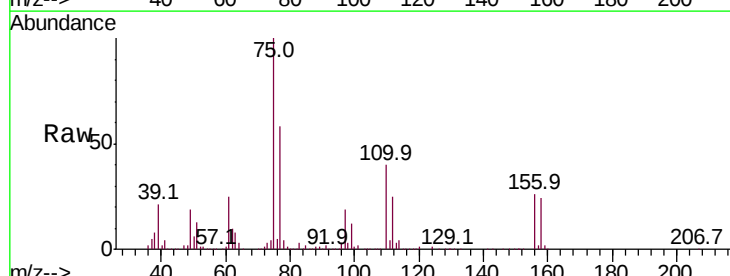
Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

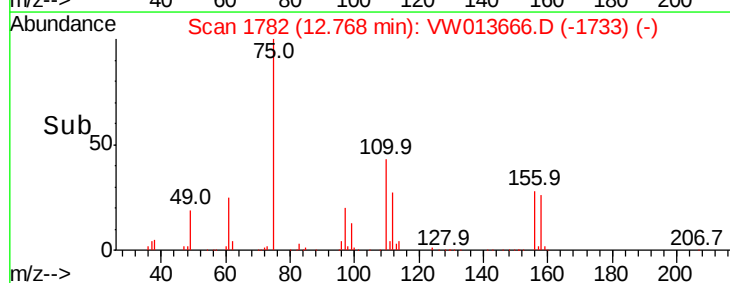
Tgt Ion: 75 Resp: 448598

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

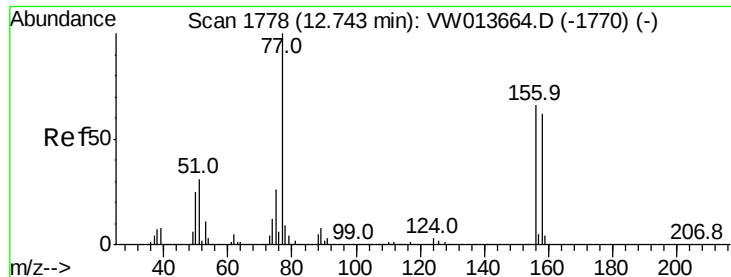


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#77

Bromobenzene

Concen: 139.520 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

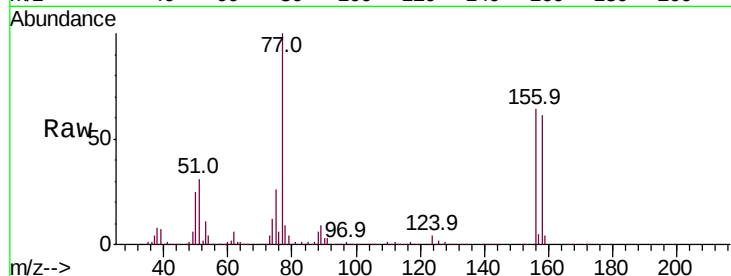
Tot Ion:156 Resp: 521912

Ion Ratio Lower Upper

156 100

77 167.9 82.9 248.7

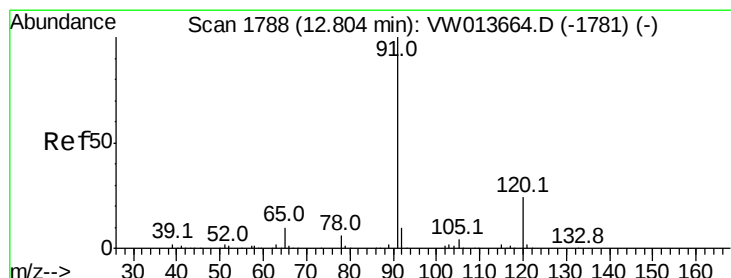
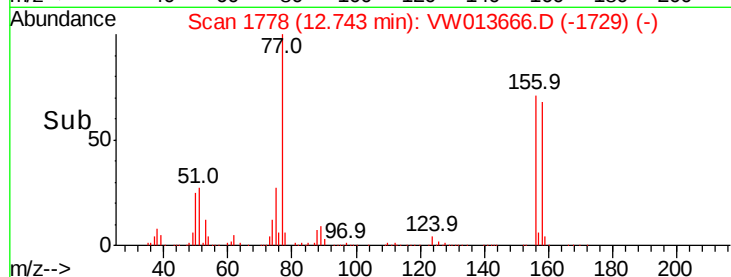
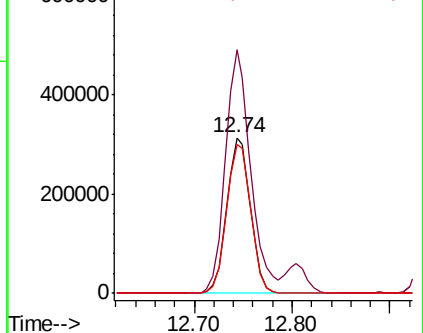
158 98.1 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 137.445 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013666.D

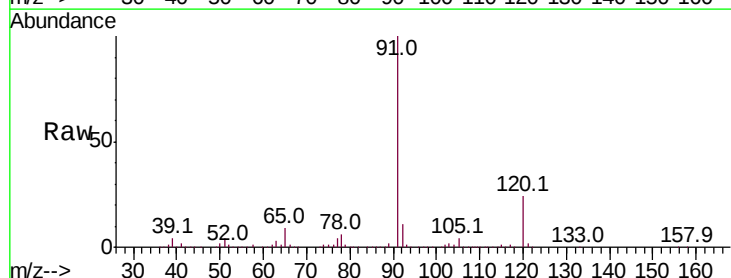
Acq: 23 Oct 2019 13:34

Tgt Ion: 91 Resp: 2501258

Ion Ratio Lower Upper

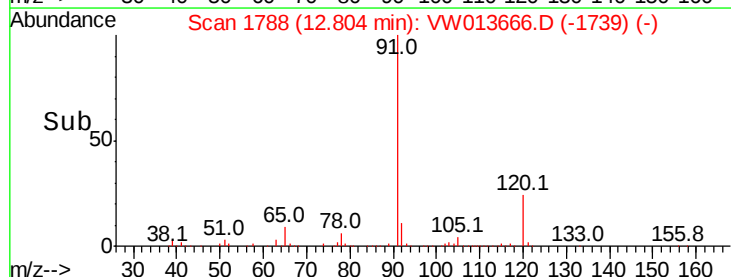
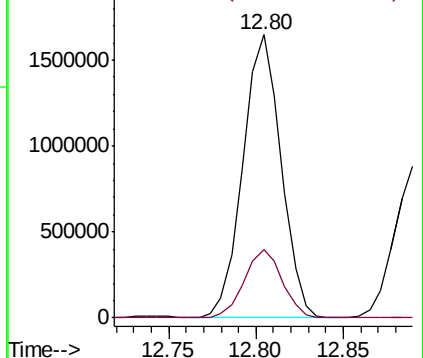
91 100

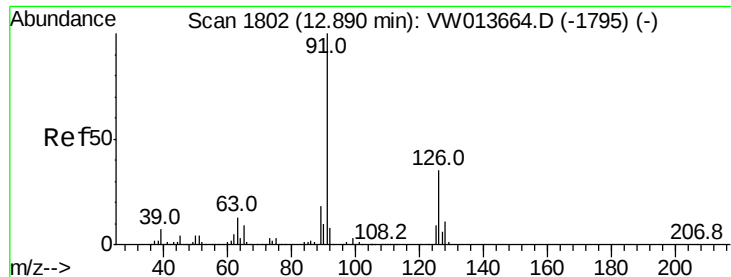
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 136.857 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

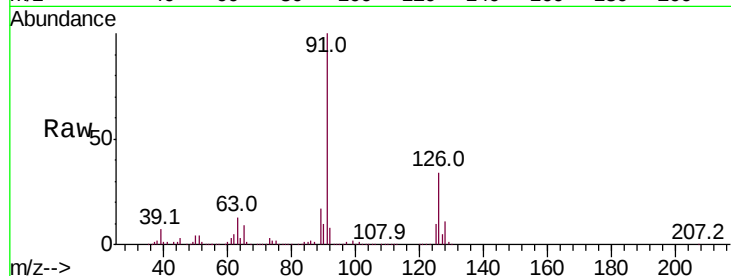
ClientSampled :

Tot Ion: 91 Resp: 1397891

Ion Ratio Lower Upper

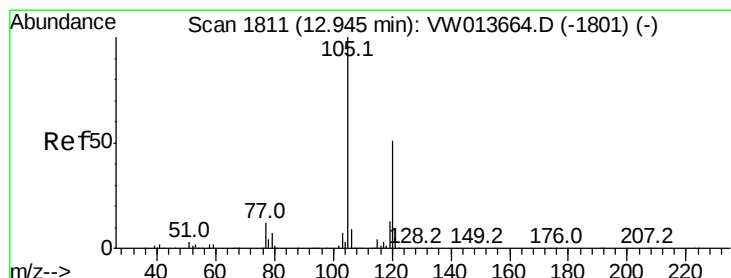
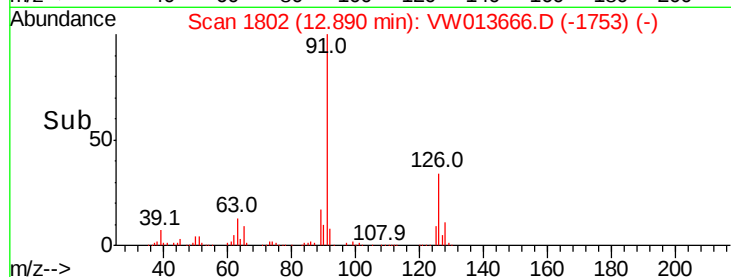
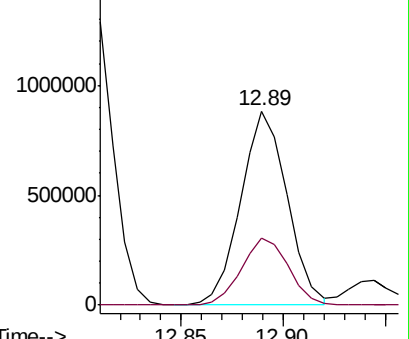
91 100

126 35.0 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VW

1500000 Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 137.246 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013666.D

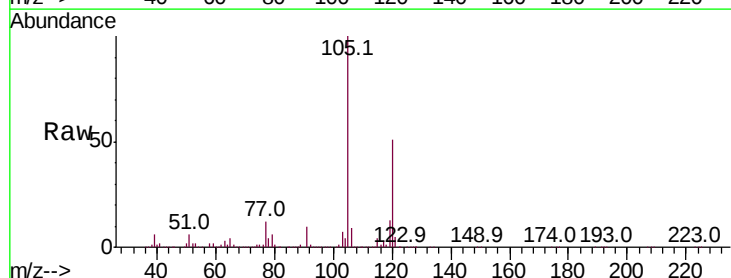
Acq: 23 Oct 2019 13:34

Tgt Ion:105 Resp: 1802598

Ion Ratio Lower Upper

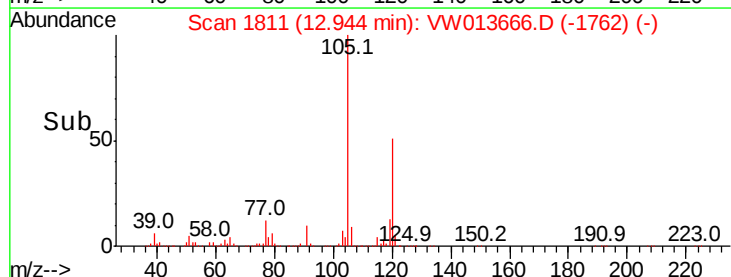
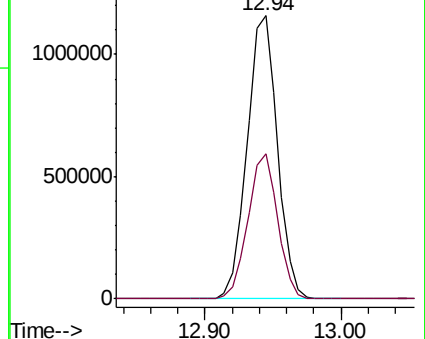
105 100

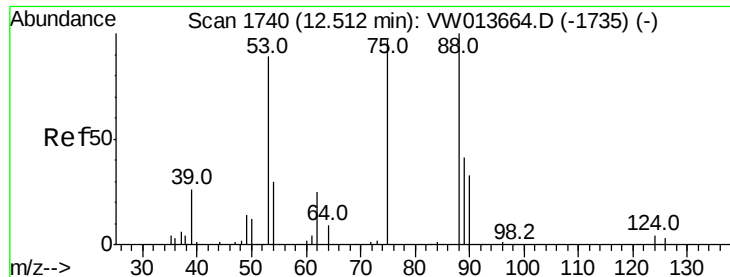
120 50.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 138.955 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

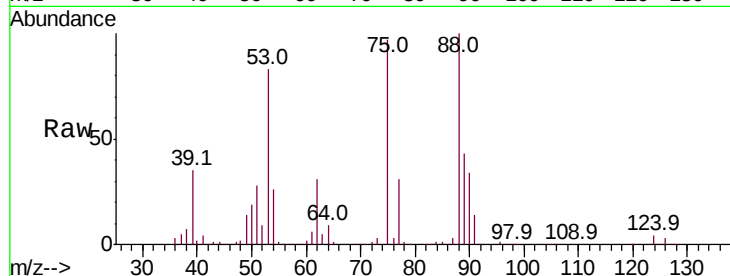
Tot Ion: 75 Resp: 122780

Ion Ratio Lower Upper

75 100

53 86.7 71.7 107.5

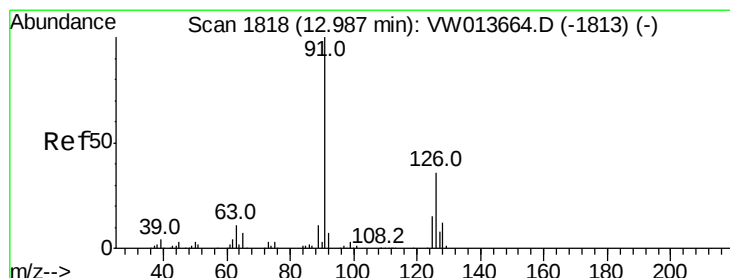
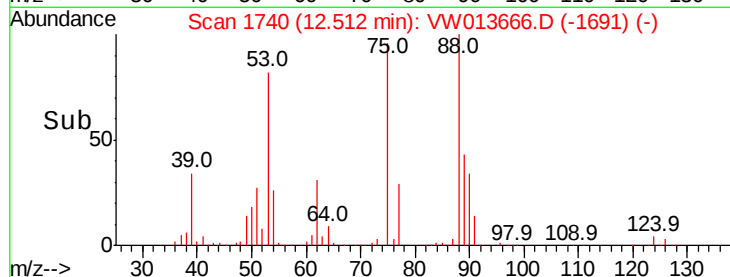
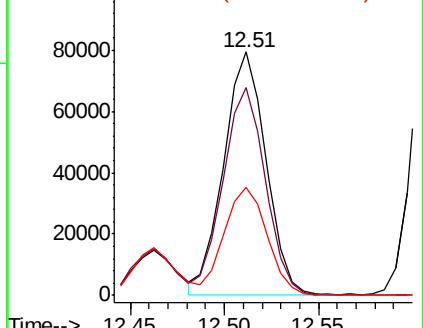
89 45.3 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 137.736 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013666.D

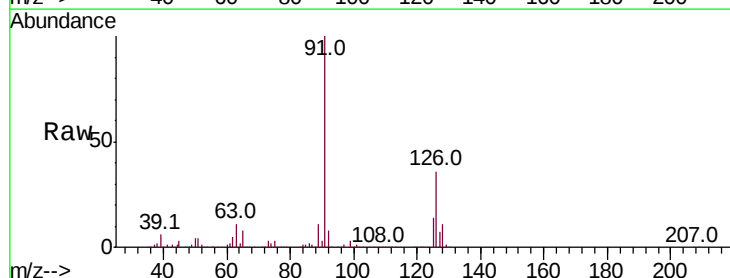
Acq: 23 Oct 2019 13:34

Tgt Ion: 91 Resp: 1463606

Ion Ratio Lower Upper

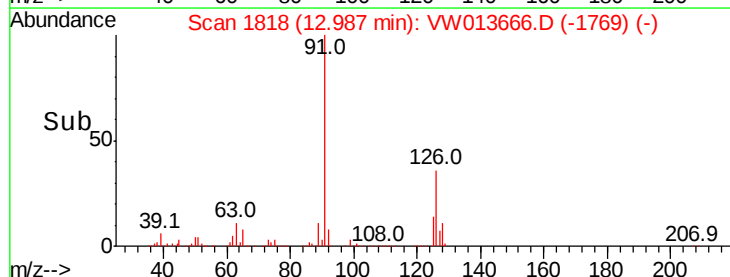
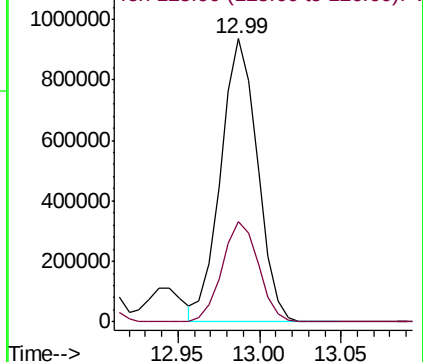
91 100

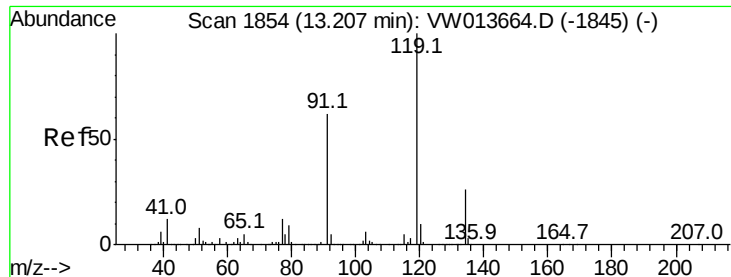
126 35.3 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 138.300 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

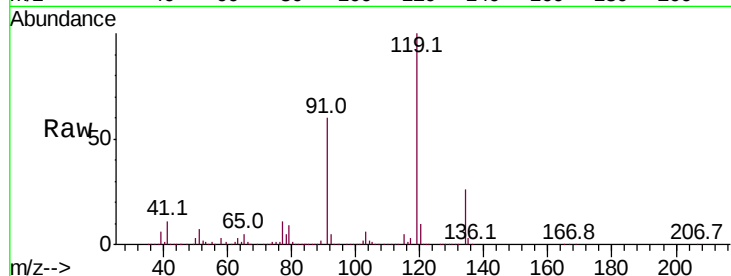
Tot Ion:119 Resp: 1612968

Ion Ratio Lower Upper

119 100

91 59.9 30.4 91.3

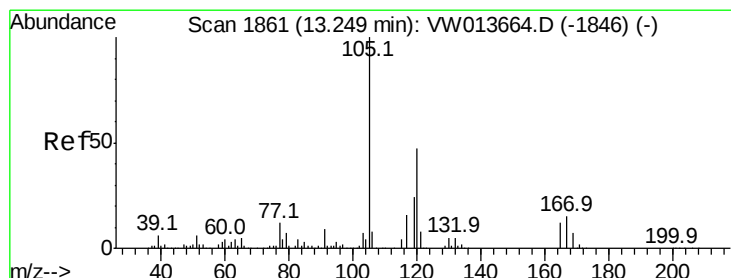
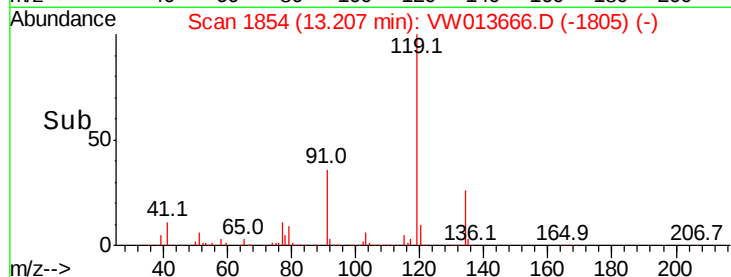
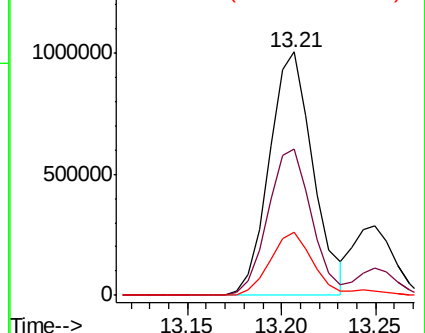
134 27.0 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 136.144 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013666.D

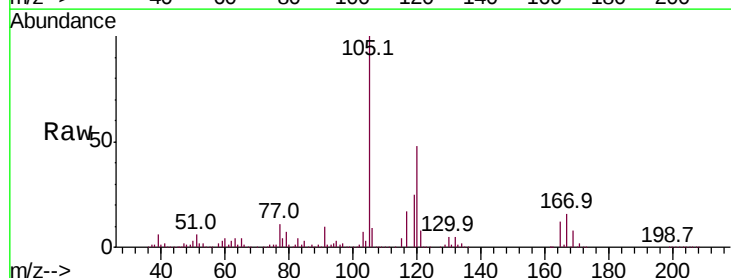
Acq: 23 Oct 2019 13:34

Tgt Ion:105 Resp: 1768510

Ion Ratio Lower Upper

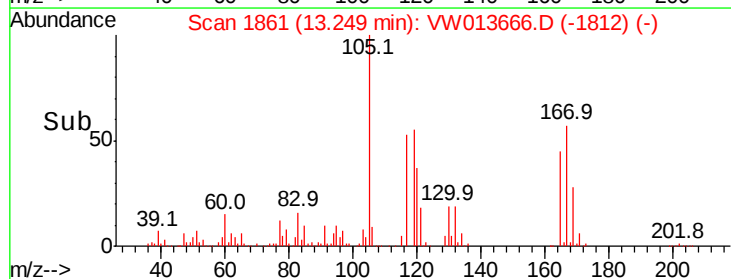
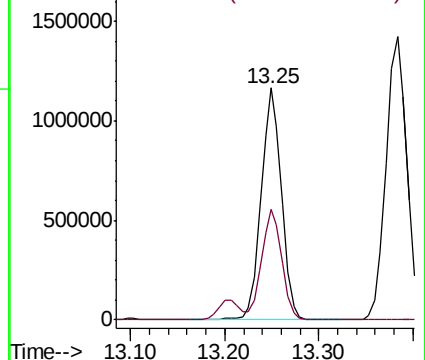
105 100

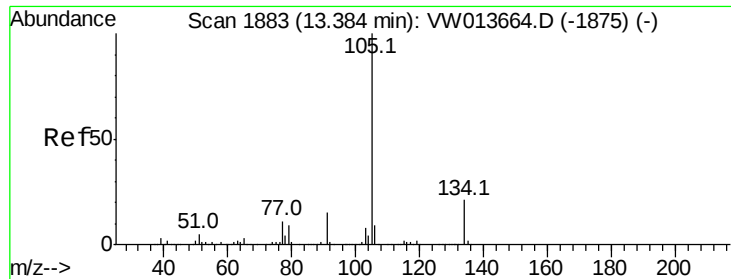
120 47.0 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 135.589 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

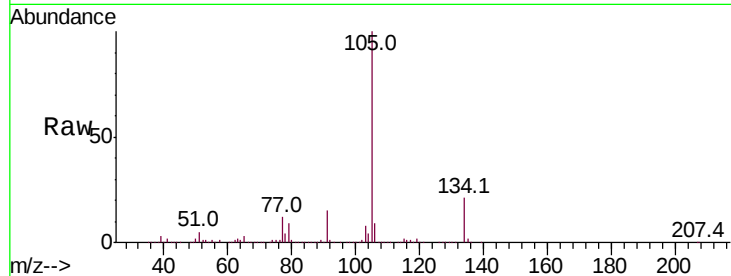
ClientSampleId :

Tot Ion:105 Resp: 2176748

Ion Ratio Lower Upper

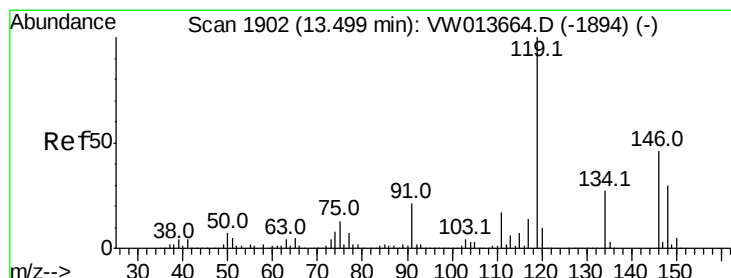
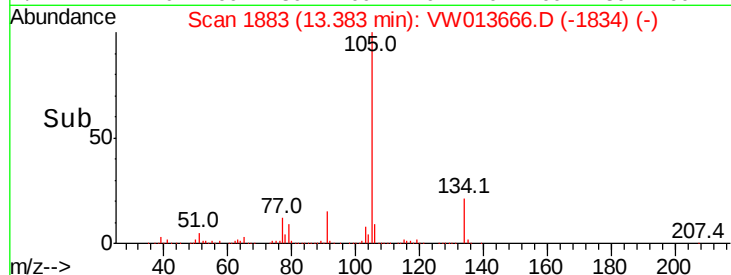
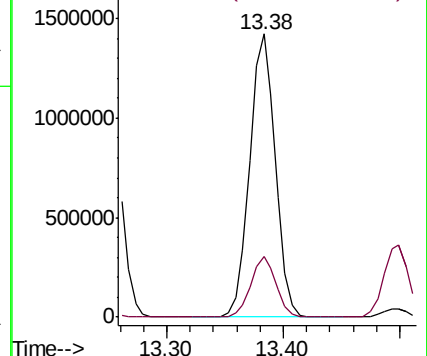
105 100

134 20.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 136.552 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

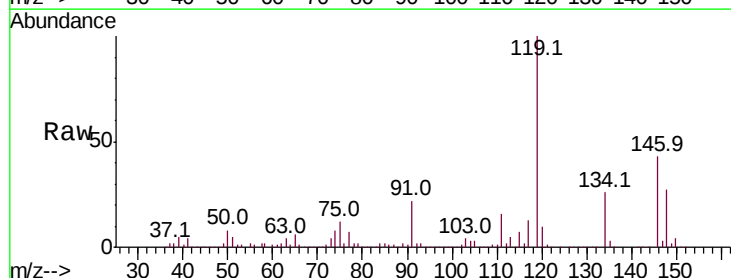
Tgt Ion:119 Resp: 2019217

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

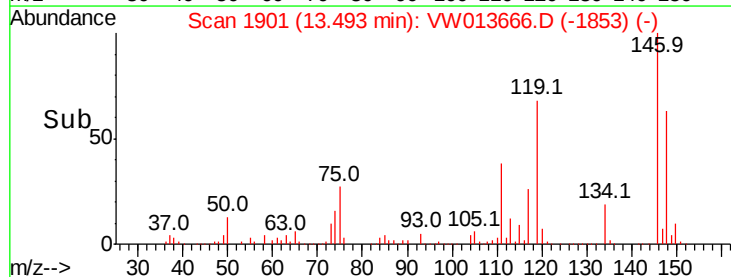
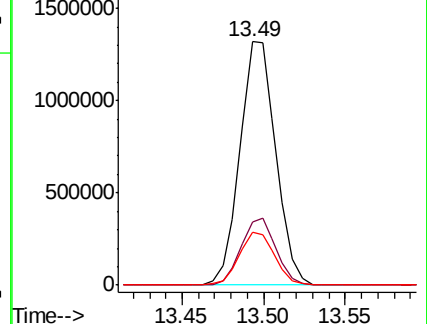
91 21.2 10.8 32.3

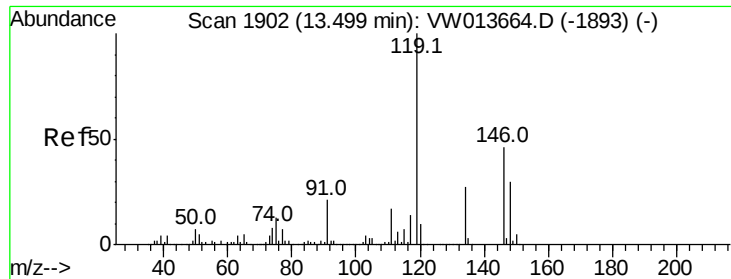


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 138.882 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

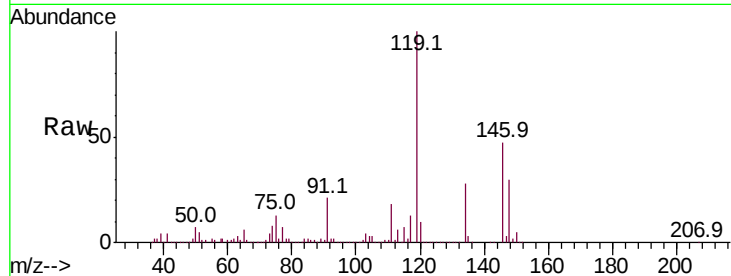
Tot Ion:146 Resp: 987615

Ion Ratio Lower Upper

146 100

111 37.2 18.6 56.0

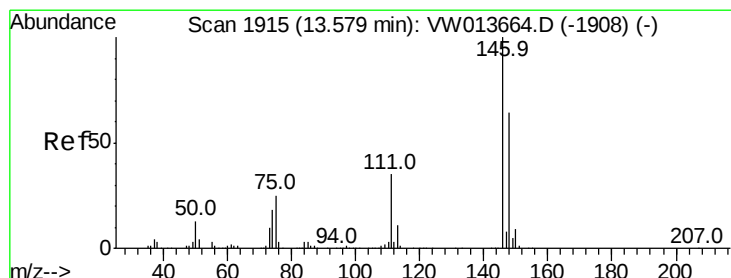
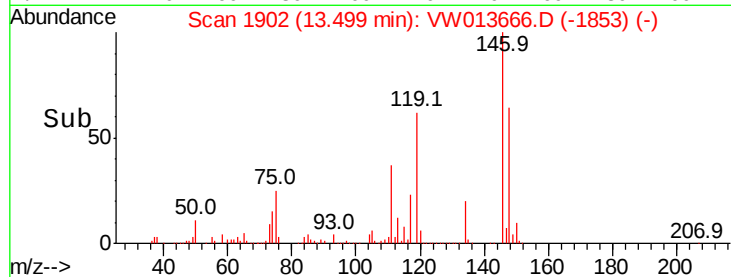
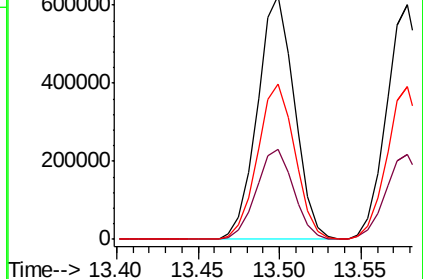
148 64.1 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 138.563 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

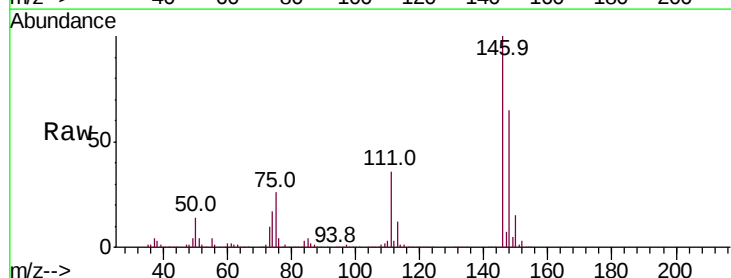
Tgt Ion:146 Resp: 965675

Ion Ratio Lower Upper

146 100

111 36.1 18.1 54.3

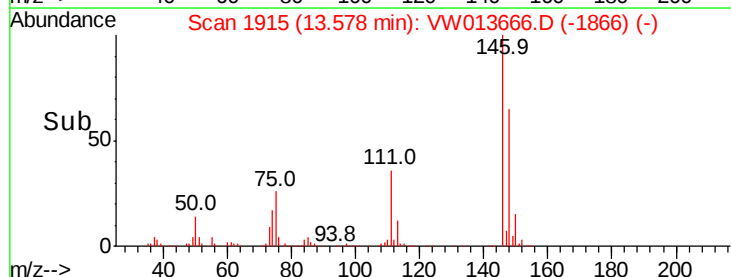
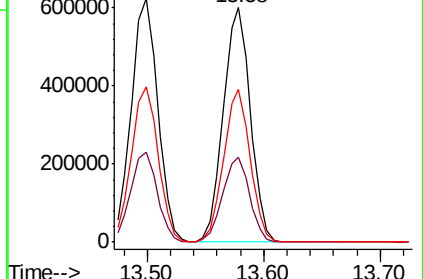
148 63.9 32.0 96.2

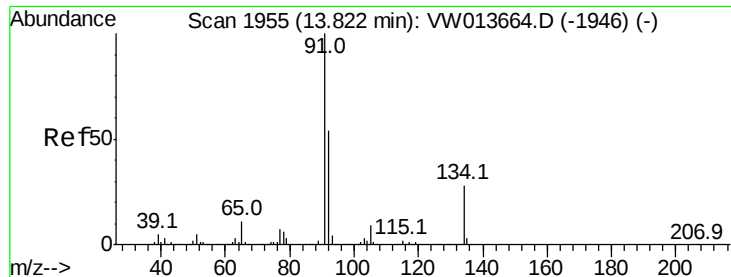


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 138.210 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

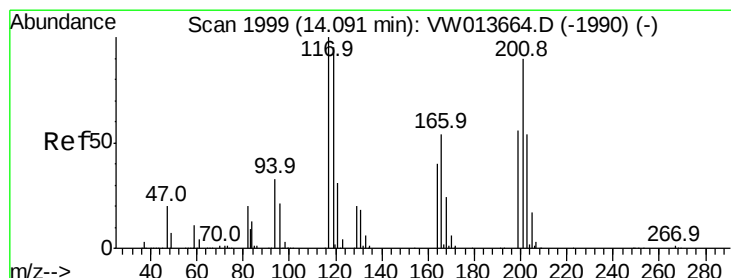
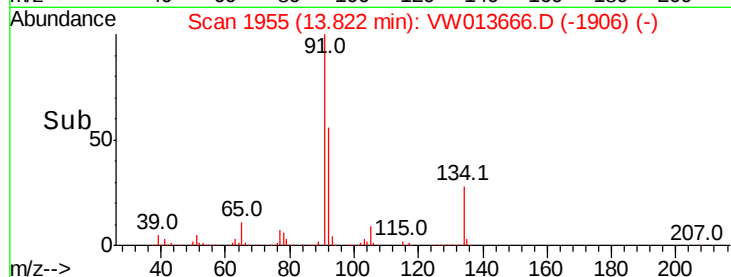
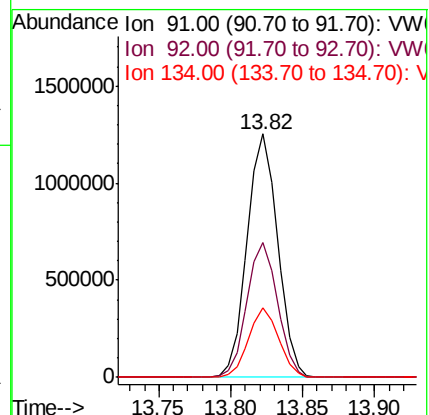
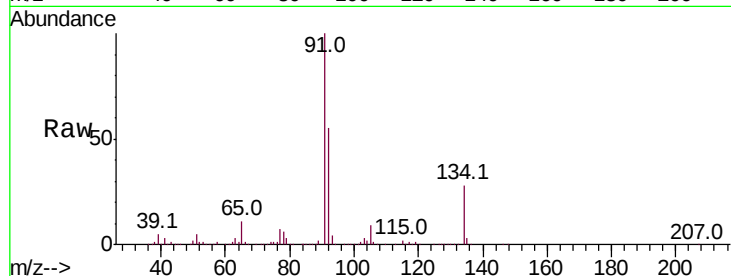
Tot Ion: 91 Resp: 1845460

Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.5	82.4
134	27.9	14.0	41.9

91 100

92 55.4 27.5 82.4

134 27.9 14.0 41.9



#90

Hexachloroethane

Concen: 141.295 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013666.D

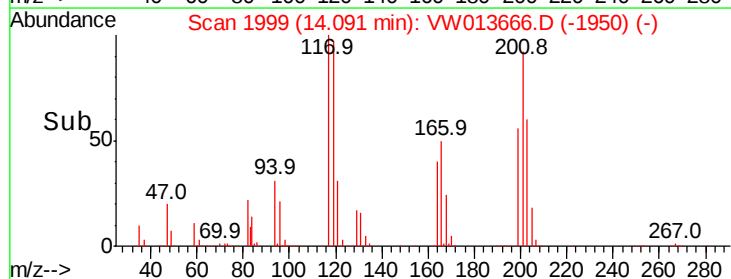
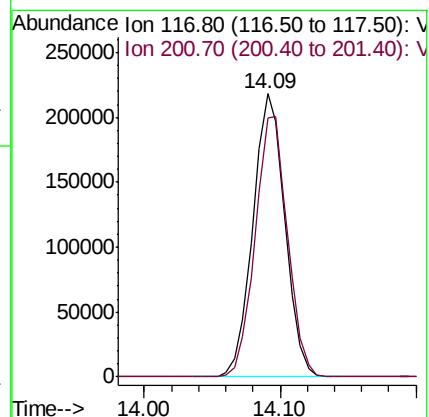
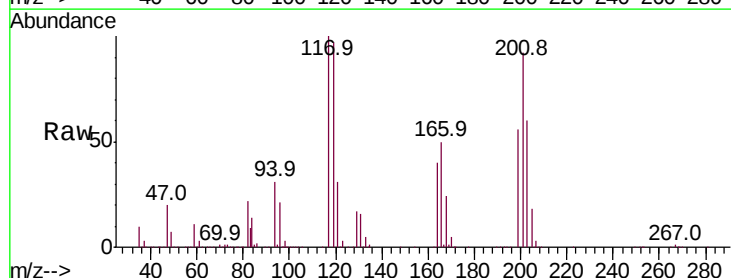
Acq: 23 Oct 2019 13:34

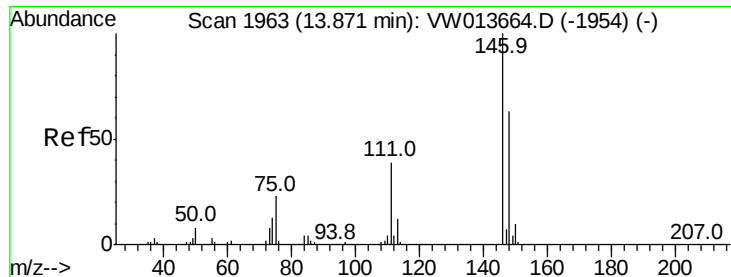
Tgt Ion: 117 Resp: 359902

Ion	Ratio	Lower	Upper
117	100		
201	93.2	46.1	138.2

117 100

201 93.2 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 136.366 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

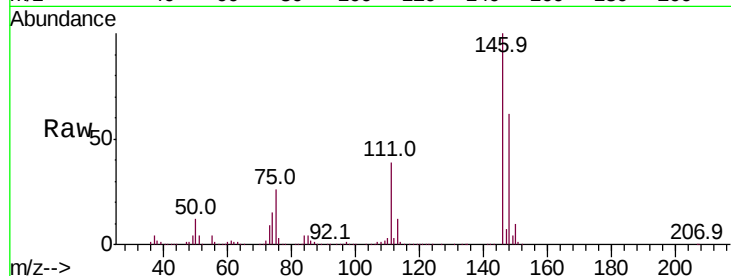
Tot Ion:146 Resp: 853502

Ion Ratio Lower Upper

146 100

111 39.2 19.9 59.6

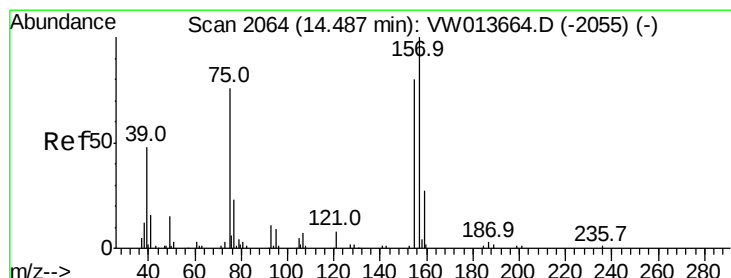
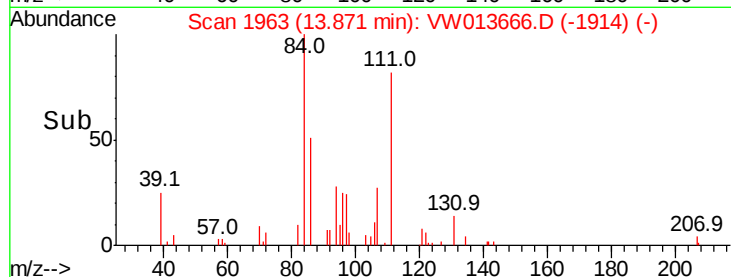
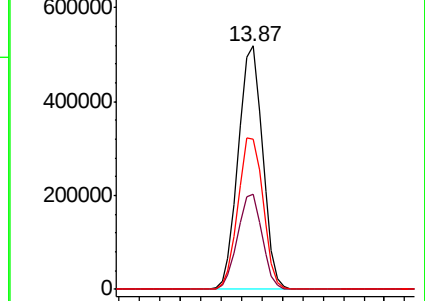
148 64.3 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 125.096 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

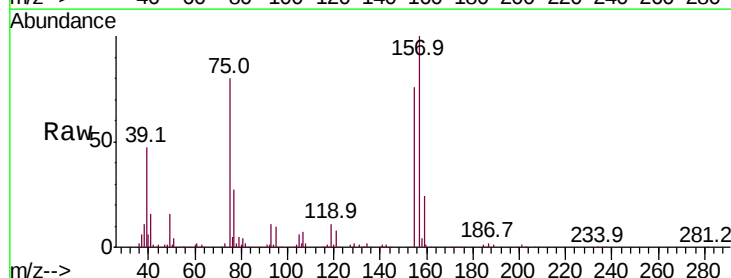
Tgt Ion: 75 Resp: 52506

Ion Ratio Lower Upper

75 100

155 101.7 51.9 155.7

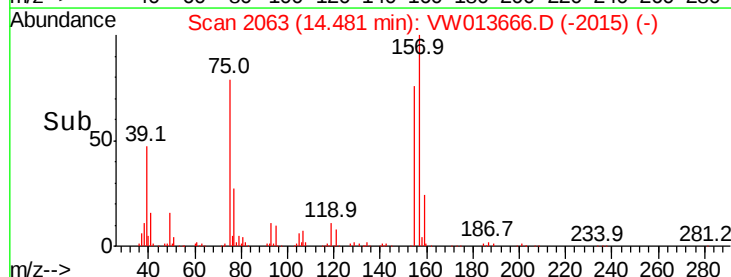
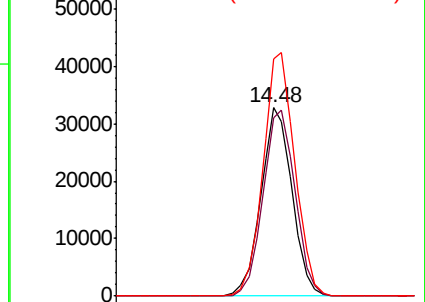
157 131.6 64.8 194.3

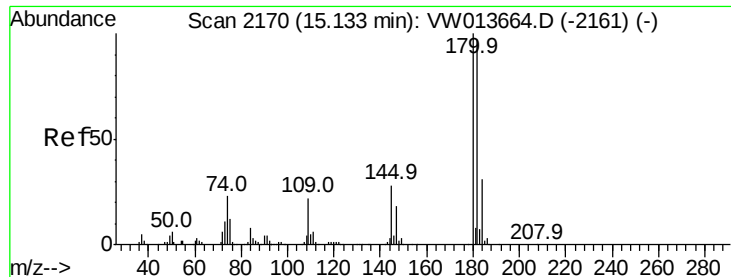


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

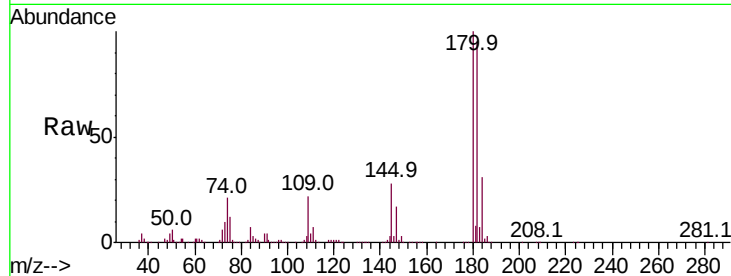




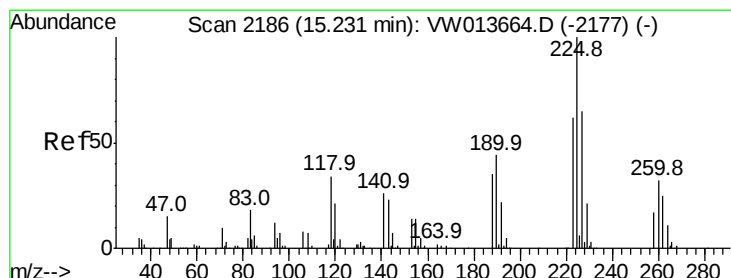
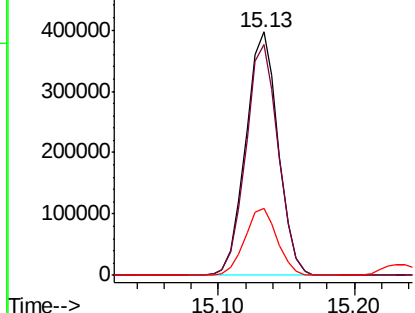
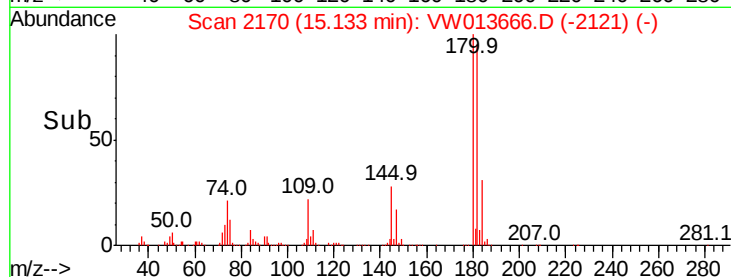
#93
 1,2,4-Trichlorobenzene
 Concen: 148.756 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:180 Resp: 661386
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.4 142.2
 145 27.5 14.1 42.3

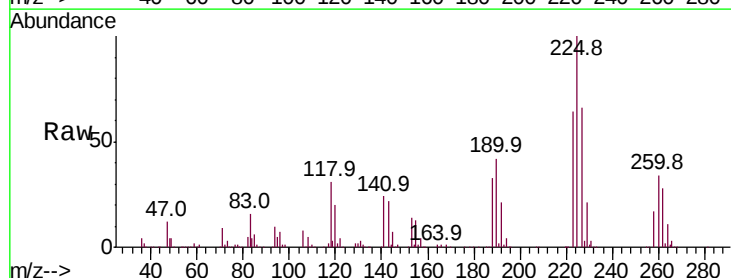


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

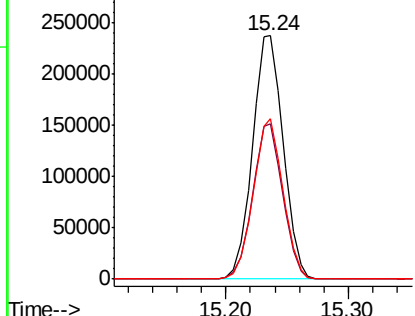
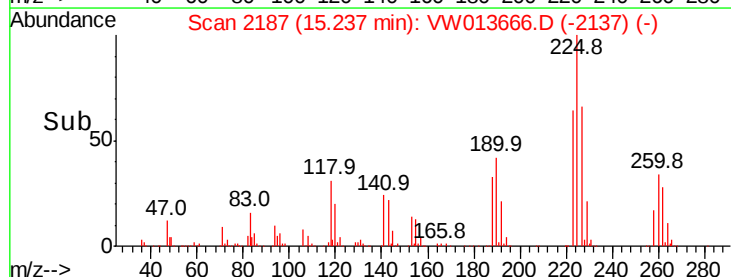


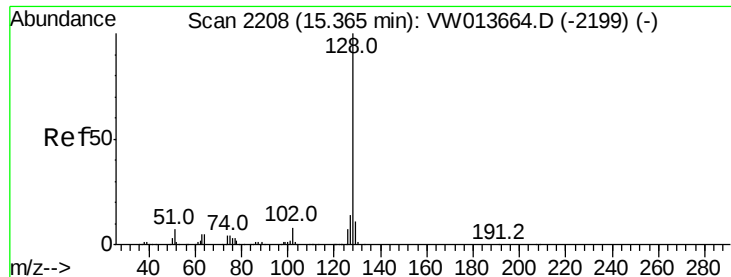
#94
 Hexachlorobutadiene
 Concen: 140.512 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion:225 Resp: 415008
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.9 95.9
 227 63.6 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

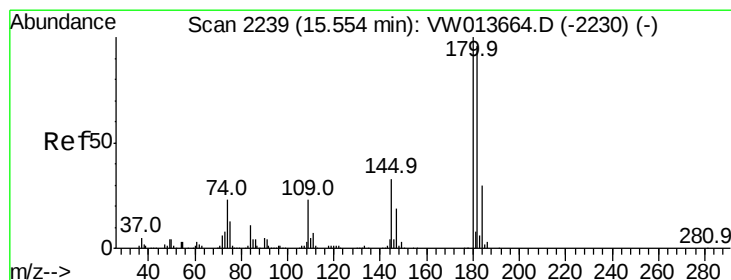
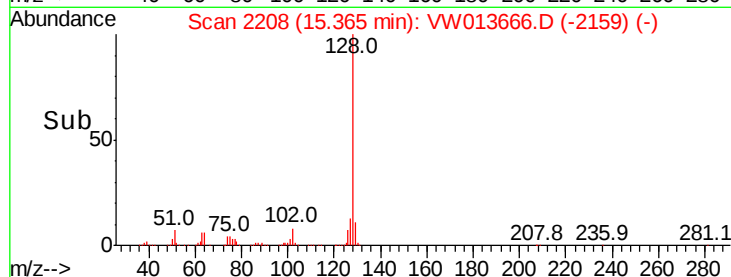
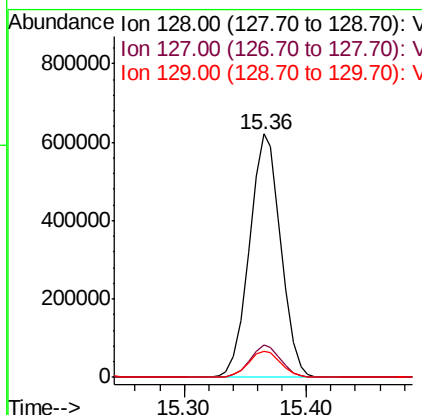
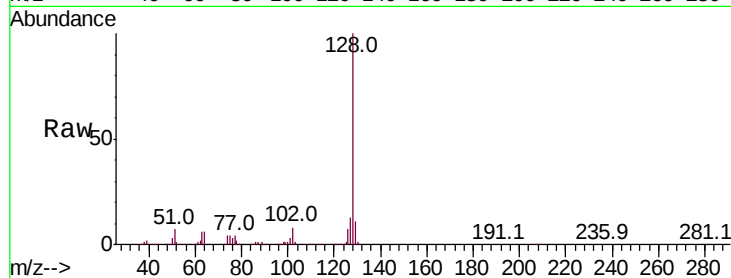




#95
Naphthalene
Concen: 145.088 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 1103365
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 144.560 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion:180 Resp: 562345
Ion Ratio Lower Upper
180 100
182 97.0 47.4 142.3
145 30.0 14.9 44.9

