

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013669.D
 Acq On : 23 Oct 2019 16:13
 Operator : SY/VA
 Sample : VW1023SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 07:25:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	350942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	497049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	215841	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	133758	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	7.88	113	139129	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	10.32	98	571849	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.62	95	191581	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	43762	23.670	ug/l	99
3) Chloromethane	2.21	50	43669	21.977	ug/l	95
4) Vinyl Chloride	2.37	62	66086	22.023	ug/l	99
5) Bromomethane	2.78	94	41952	21.257	ug/l	100
6) Chloroethane	2.92	64	37918	20.883	ug/l	98
7) Trichlorofluoromethane	3.26	101	37316	19.909	ug/l	99
8) Diethyl Ether	3.68	74	31414	20.745	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	63578	20.866	ug/l	99
10) Methyl Iodide	4.28	142	104208	20.988	ug/l	99
11) Tert butyl alcohol	5.20	59	9875	62.833	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	66010	20.973	ug/l	97
13) Acrolein	3.90	56	17305	96.109	ug/l	100
14) Allyl chloride	4.67	41	99100	20.477	ug/l	99
15) Acrylonitrile	5.37	53	66801	108.489	ug/l	96
16) Acetone	4.14	43	52640	94.303	ug/l	95
17) Carbon Disulfide	4.38	76	189123	20.923	ug/l	98
18) Methyl Acetate	4.67	43	33091	21.626	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	79938	21.165	ug/l	98
20) Methylene Chloride	4.92	84	73163	21.075	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	71681	21.160	ug/l	100
22) Diisopropyl ether	6.31	45	181555	20.566	ug/l	97
23) Vinyl Acetate	6.25	43	534068	104.261	ug/l	99
24) 1,1-Dichloroethane	6.21	63	114866	20.545	ug/l	97
25) 2-Butanone	7.17	43	81972	102.143	ug/l	98
26) 2,2-Dichloropropane	7.16	77	67528	20.887	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	74172	20.614	ug/l	97
28) Bromochloromethane	7.51	49	28931	15.475	ug/l #	98
29) Tetrahydrofuran	7.54	42	53378	107.434	ug/l	99
30) Chloroform	7.68	83	112879	20.423	ug/l	100
31) Cyclohexane	7.95	56	117131	20.019	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	90238	20.806	ug/l	98
36) 1,1-Dichloropropene	8.08	75	95591	20.650	ug/l	99
37) Ethyl Acetate	7.26	43	36664	20.691	ug/l	99
38) Carbon Tetrachloride	8.07	117	88543	21.241	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
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Instrument :
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 ClientSampleId :

Quant Time: Oct 24 07:25:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	123638	20.682	ug/l	98
40) Benzene	8.32	78	271449	20.721	ug/l	98
41) Methacrylonitrile	7.48	41	24306	21.996	ug/l	93
42) 1,2-Dichloroethane	8.40	62	68008	20.601	ug/l	100
43) Isopropyl Acetate	8.42	43	70432	20.765	ug/l	99
44) Trichloroethene	9.09	130	77804	20.734	ug/l	94
45) 1,2-Dichloropropane	9.37	63	63564	20.314	ug/l	99
46) Dibromomethane	9.46	93	31260	20.583	ug/l	97
47) Bromodichloromethane	9.64	83	79334	20.189	ug/l	96
48) Methyl methacrylate	9.43	41	32100	19.084	ug/l	89
49) 1,4-Dioxane	9.48	88	9480	422.418	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	176054	104.454	ug/l	99
52) Toluene	10.38	92	174192	20.614	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	80265	20.177	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	101416	20.663	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	46253	20.435	ug/l	98
56) Ethyl methacrylate	10.65	69	59276	20.932	ug/l	99
57) 1,3-Dichloropropane	10.93	76	80253	20.662	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	135592	104.037	ug/l	99
59) 2-Hexanone	10.97	43	119258	102.636	ug/l	99
60) Dibromochloromethane	11.13	129	55020	20.474	ug/l	100
61) 1,2-Dibromoethane	11.23	107	45366	21.186	ug/l	98
64) Tetrachloroethene	10.86	164	67194	20.538	ug/l	98
65) Chlorobenzene	11.66	112	180903	20.558	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	61934	20.167	ug/l	99
67) Ethyl Benzene	11.73	91	328123	20.679	ug/l	99
68) m/p-Xylenes	11.84	106	252670	41.216	ug/l	99
69) o-Xylene	12.16	106	114310	20.286	ug/l	98
70) Styrene	12.18	104	197767	20.428	ug/l	99
71) Bromoform	12.35	173	33273	20.646	ug/l #	97
73) Isopropylbenzene	12.46	105	323307	20.858	ug/l	99
74) N-amyl acetate	12.27	43	64114	21.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51354	20.995	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	65169	42.043	ug/l #	100
77) Bromobenzene	12.75	156	77372	20.896	ug/l	99
78) n-propylbenzene	12.80	91	379440	21.150	ug/l	100
79) 2-Chlorotoluene	12.89	91	208886	20.719	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	275112	21.025	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16440	20.044	ug/l	98
82) 4-Chlorotoluene	12.99	91	221899	20.964	ug/l	100
83) tert-Butylbenzene	13.21	119	243466	20.962	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	269964	20.915	ug/l	99
85) sec-Butylbenzene	13.38	105	336315	21.175	ug/l	99
86) p-Isopropyltoluene	13.50	119	312977	21.155	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	147889	20.614	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	146620	20.572	ug/l	98
89) n-Butylbenzene	13.82	91	279646	20.941	ug/l	99
90) Hexachloroethane	14.09	117	52908	20.574	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	127384	20.478	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8284	22.397	ug/l	92

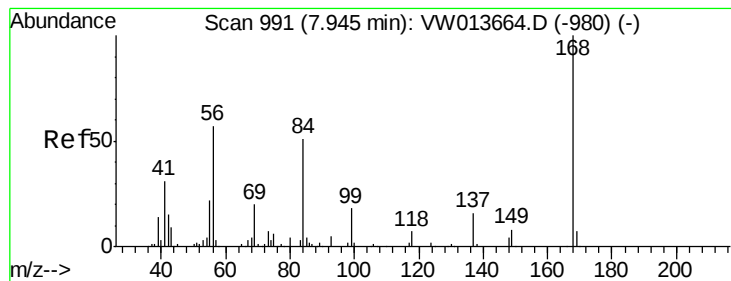
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	93819	20.724	ug/l	100
94) Hexachlorobutadiene	15.24	225	64144	20.988	ug/l	98
95) Naphthalene	15.36	128	150470	21.199	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	81519	20.898	ug/l	99

(#) = 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: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

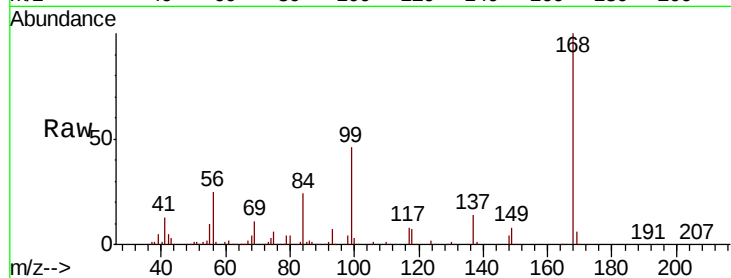
ClientSampled :

Tot Ion:168 Resp: 350942

Ion Ratio Lower Upper

168 100

99 46.4 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

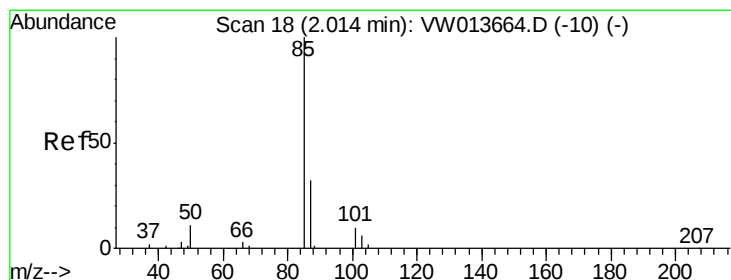
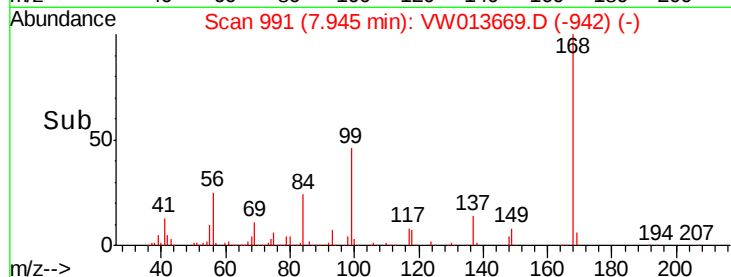
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.670 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013669.D

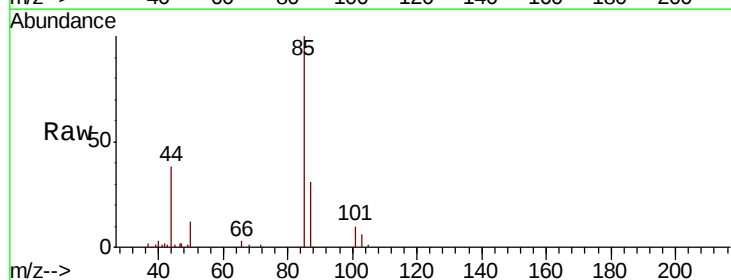
Acq: 23 Oct 2019 16:13

Tgt Ion: 85 Resp: 43762

Ion Ratio Lower Upper

85 100

87 31.5 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

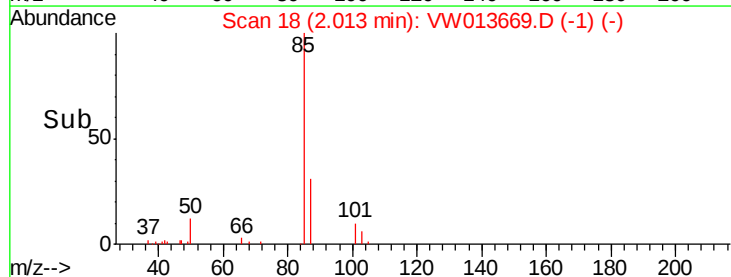
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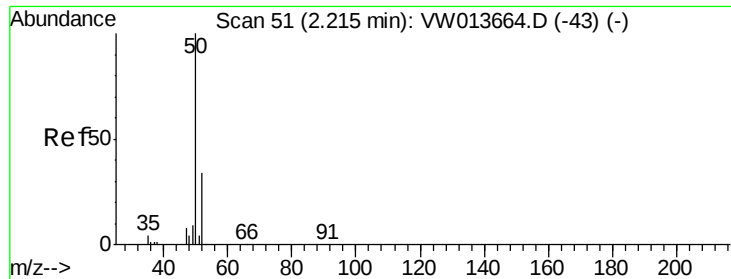
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.977 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

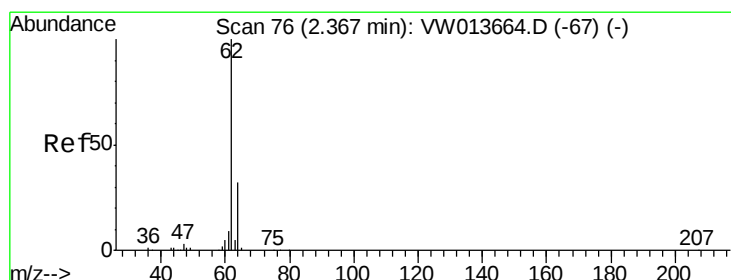
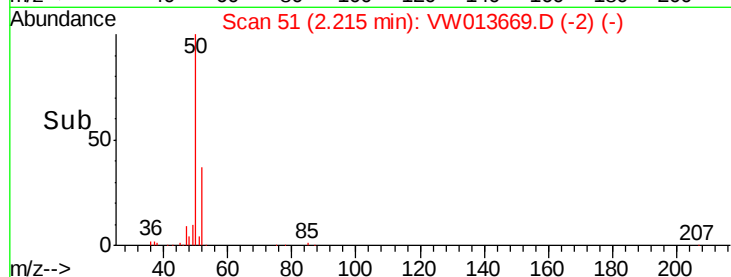
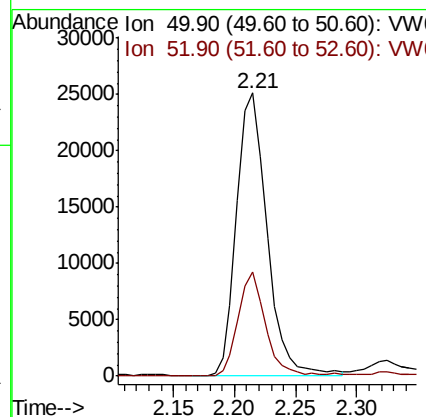
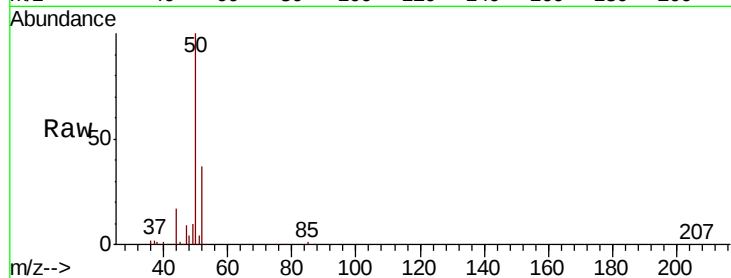
ClientSampled :

Tot Ion: 50 Resp: 43669

Ion Ratio Lower Upper

50 100

52 36.6 26.9 40.3



#4

Vinyl Chloride

Concen: 22.023 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013669.D

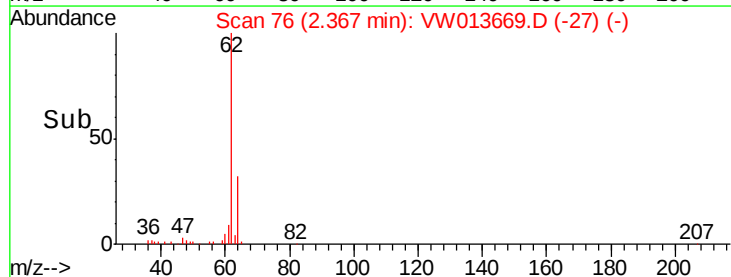
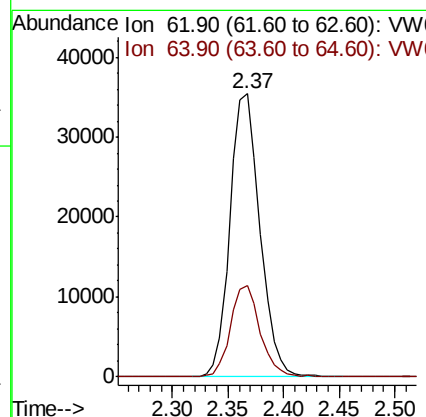
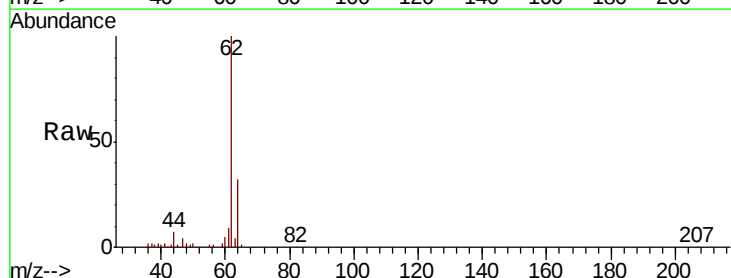
Acq: 23 Oct 2019 16:13

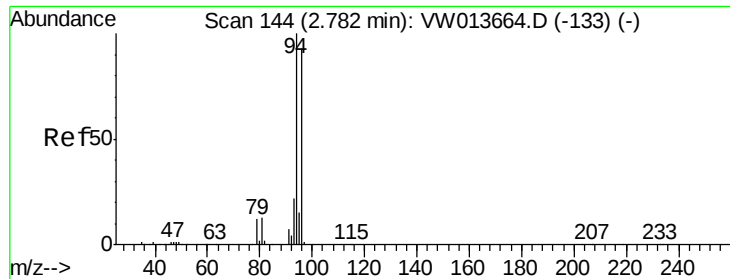
Tgt Ion: 62 Resp: 66086

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 21.257 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

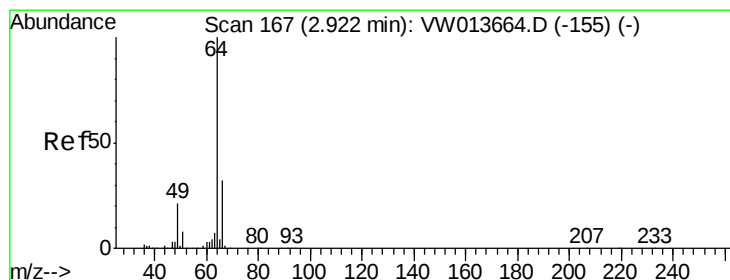
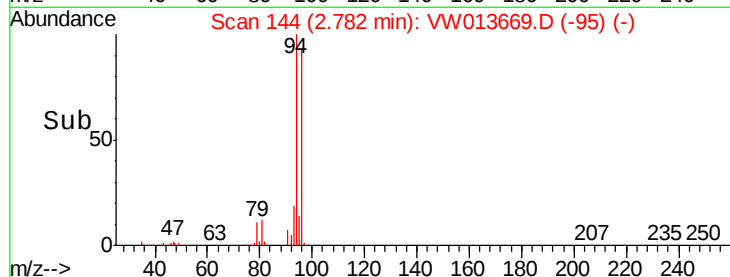
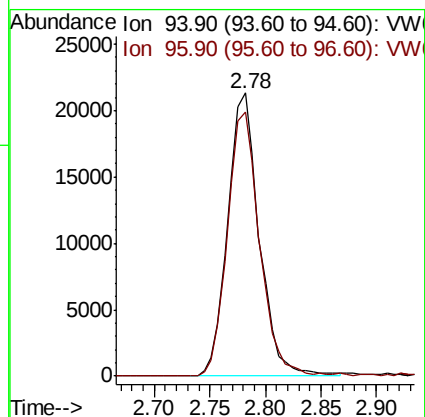
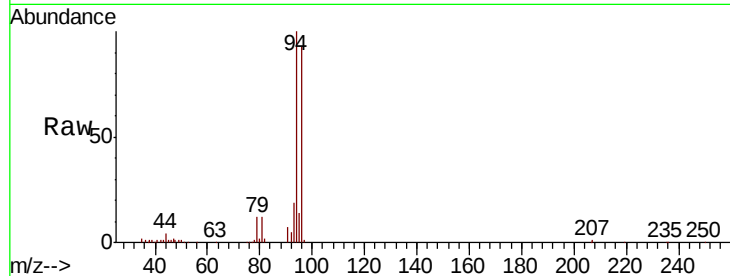
ClientSampleId :

Tot Ion: 94 Resp: 41952

Ion Ratio Lower Upper

94 100

96 93.2 74.6 112.0



#6

Chloroethane

Concen: 20.883 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013669.D

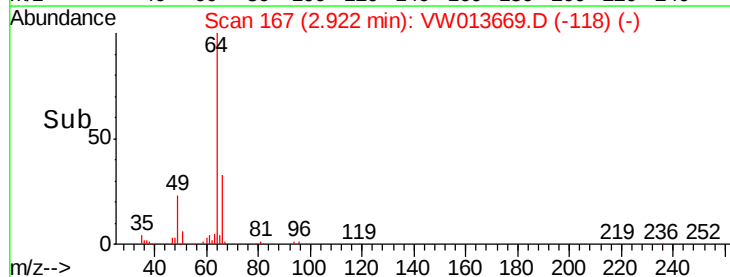
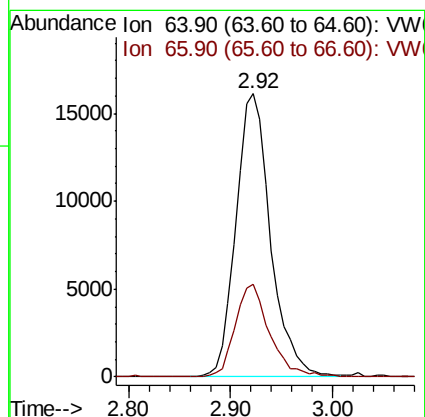
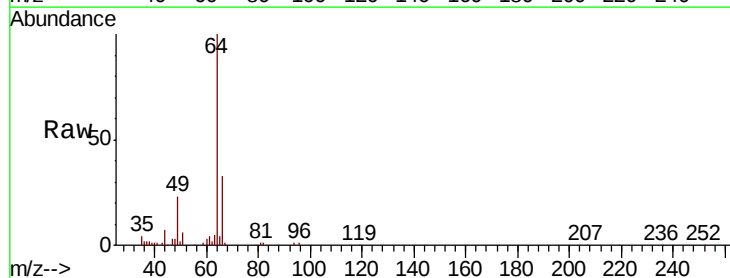
Acq: 23 Oct 2019 16:13

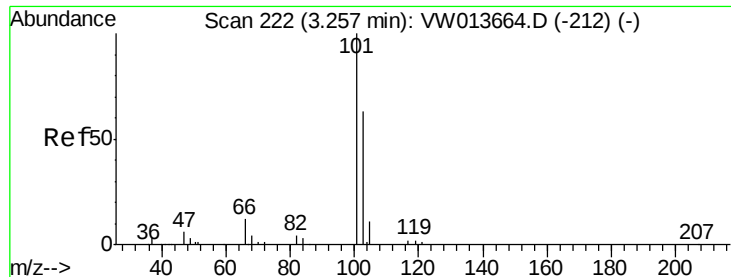
Tgt Ion: 64 Resp: 37918

Ion Ratio Lower Upper

64 100

66 32.6 25.4 38.0



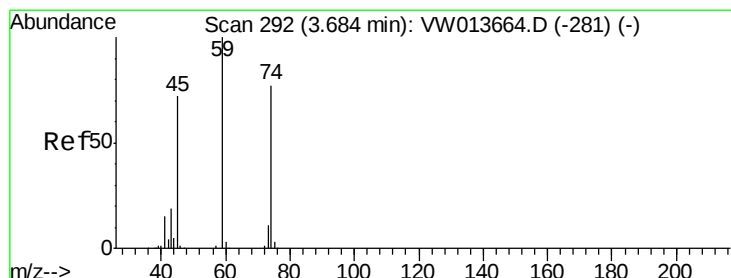
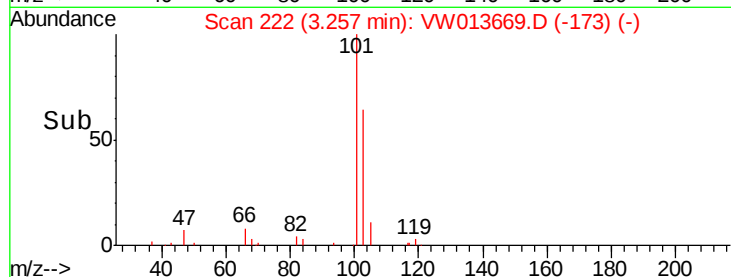
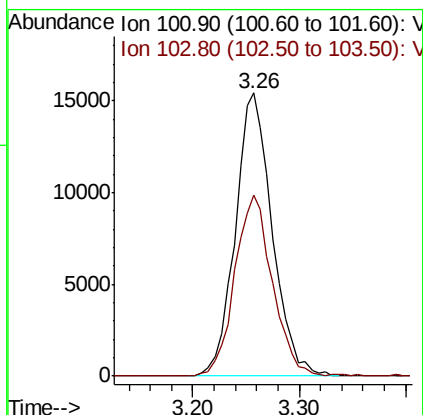
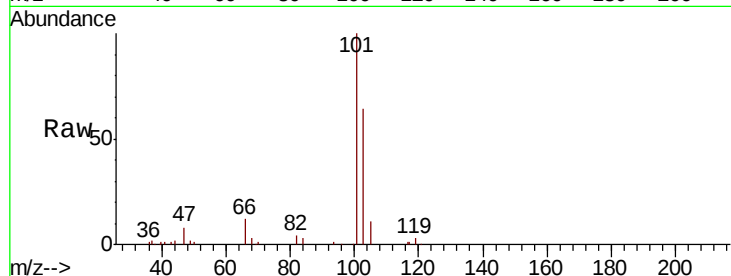


#7

Trichlorofluoromethane
 Concen: 19.909 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Instrument :
 MSVOA_W
 ClientSampleId :

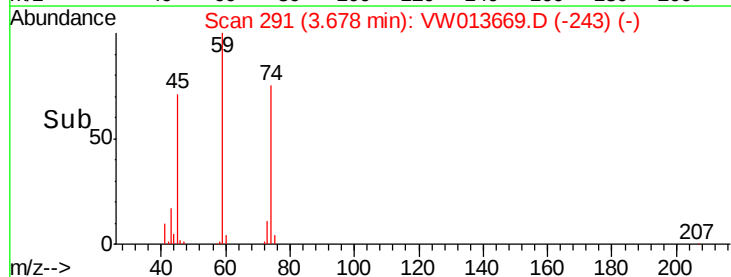
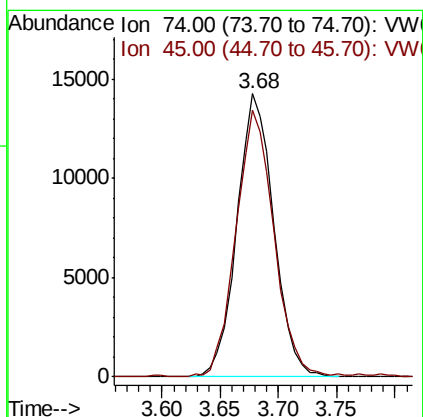
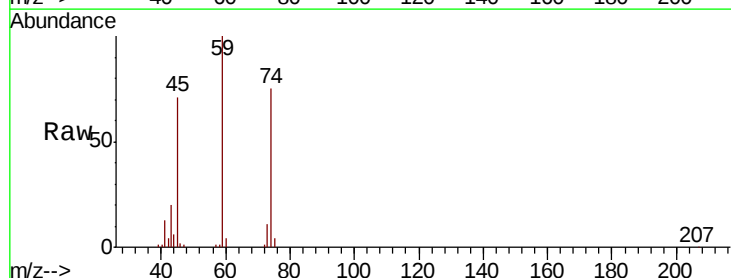
Tot Ion:101 Resp: 37316
 Ion Ratio Lower Upper
 101 100
 103 63.9 50.6 76.0

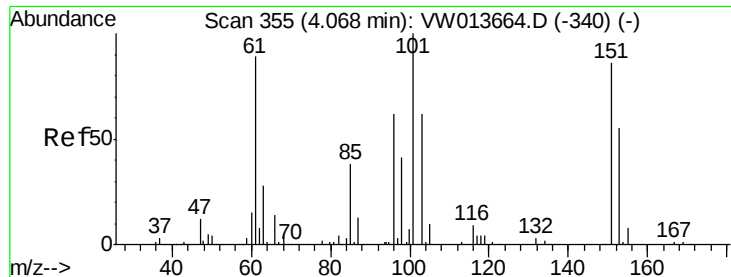


#8

Diethyl Ether
 Concen: 20.745 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Tgt Ion: 74 Resp: 31414
 Ion Ratio Lower Upper
 74 100
 45 97.6 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.866 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

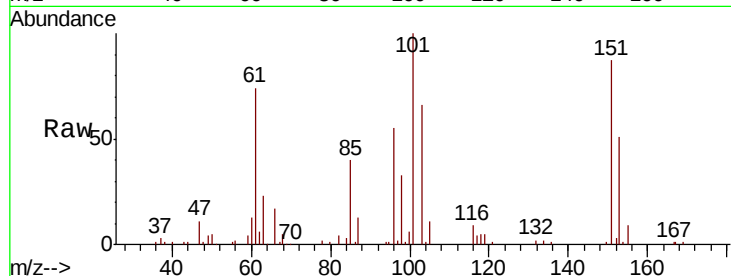
Tot Ion:101 Resp: 63578

Ion Ratio Lower Upper

101 100

85 40.9 31.0 46.6

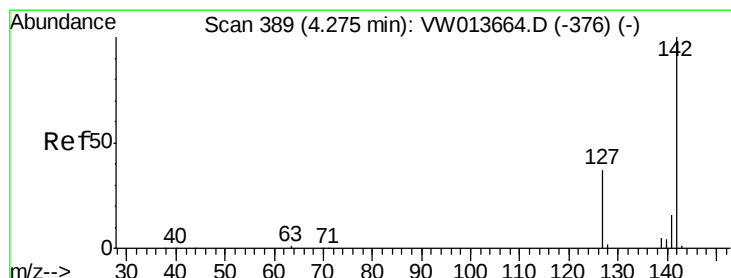
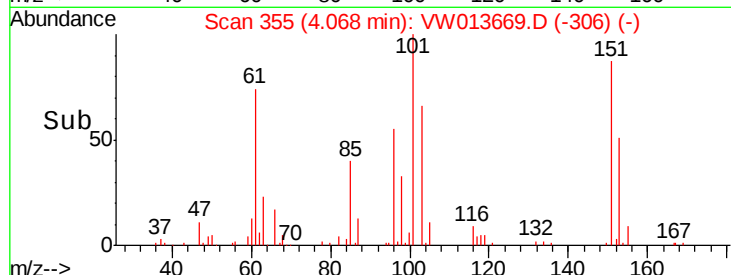
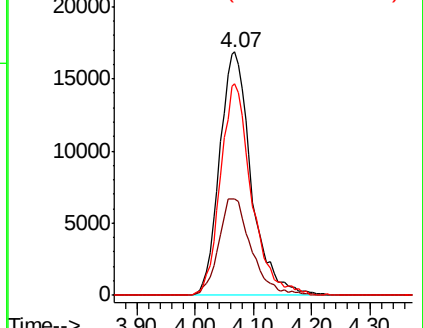
151 84.9 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.988 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

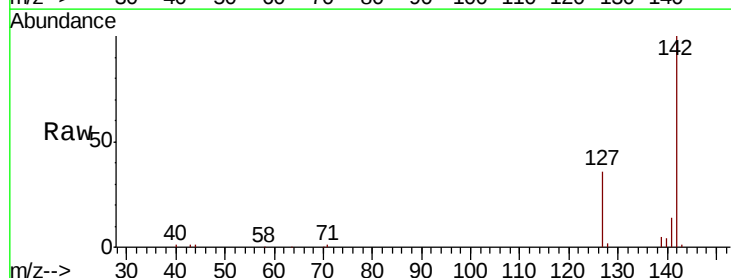
Tgt Ion:142 Resp: 104208

Ion Ratio Lower Upper

142 100

127 37.6 30.3 45.5

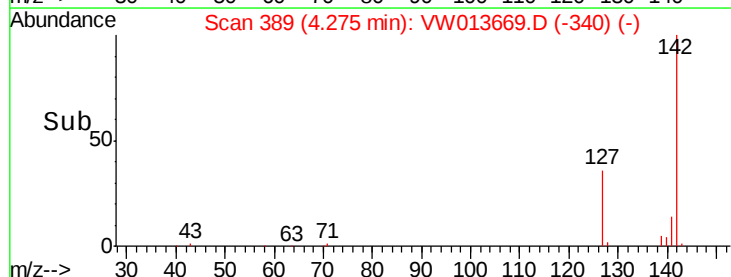
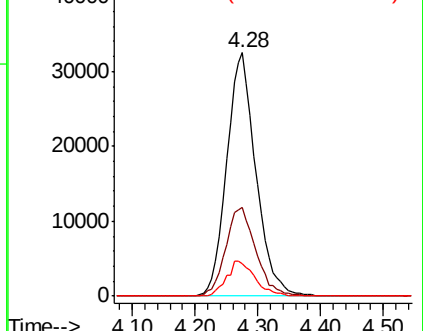
141 14.0 11.8 17.8

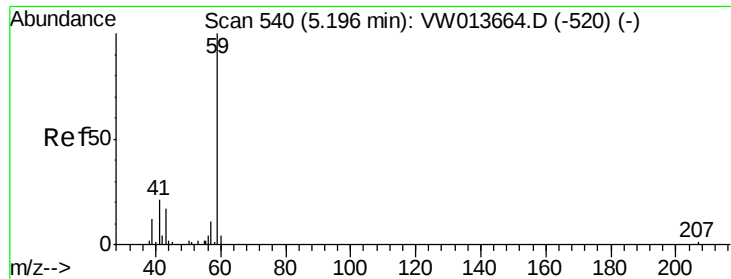


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



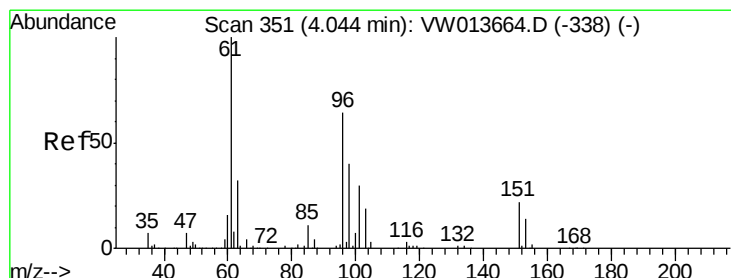
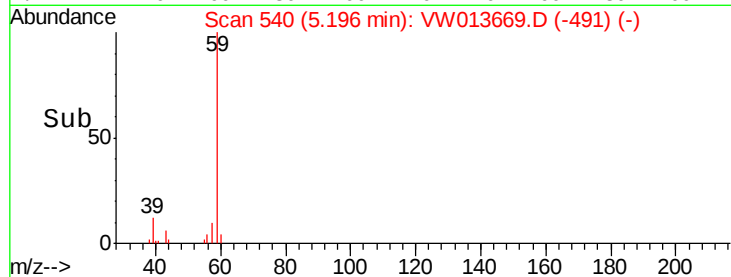
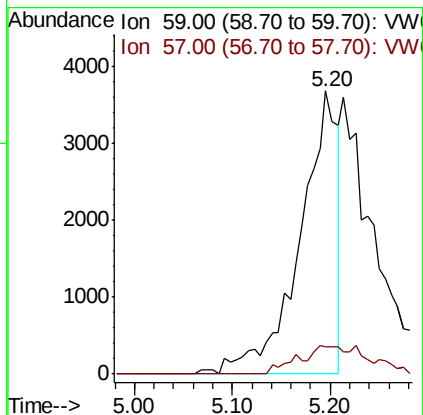
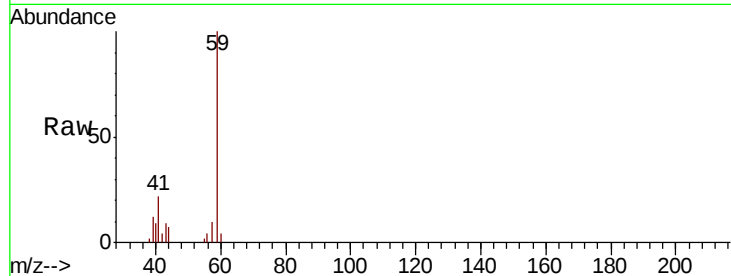


#11

Tert butyl alcohol
Concen: 62.833 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :

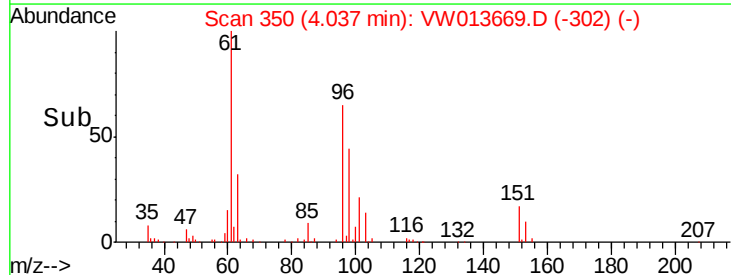
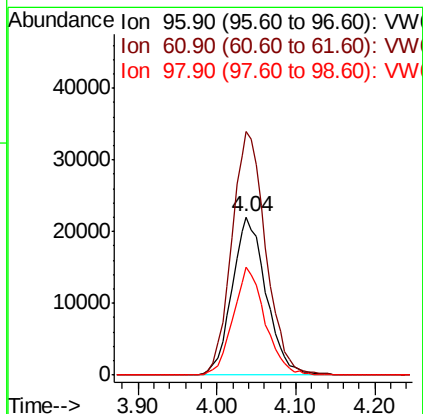
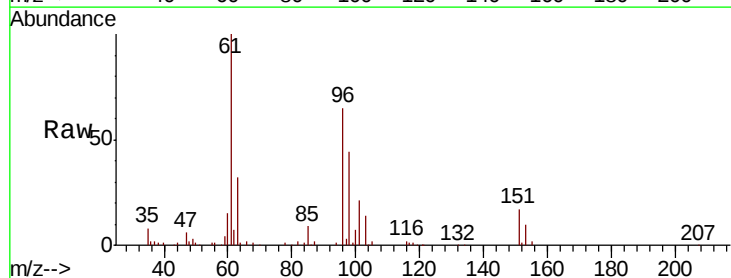
Tot Ion: 59 Resp: 9875
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

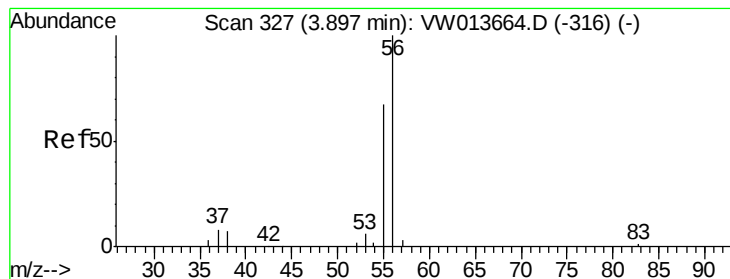


#12

1,1-Dichloroethene
Concen: 20.973 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 96 Resp: 66010
Ion Ratio Lower Upper
96 100
61 153.8 125.0 187.6
98 67.9 50.3 75.5





#13

Acrolein

Concen: 96.109 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

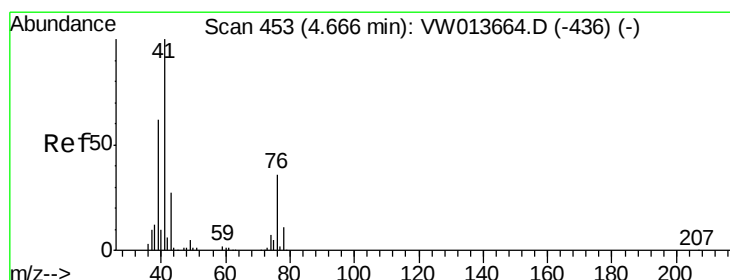
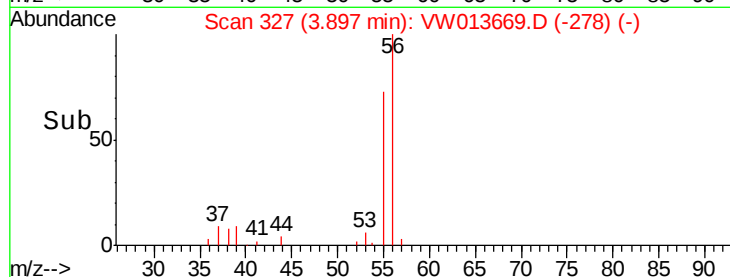
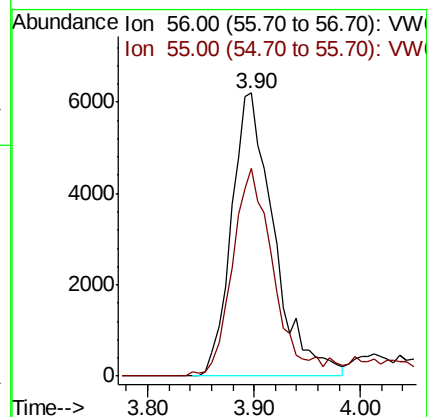
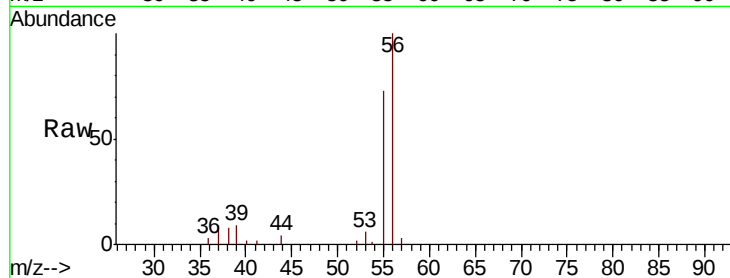
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 17305

Ion Ratio Lower Upper

56 100

55 70.1 56.1 84.1



#14

Allyl chloride

Concen: 20.477 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

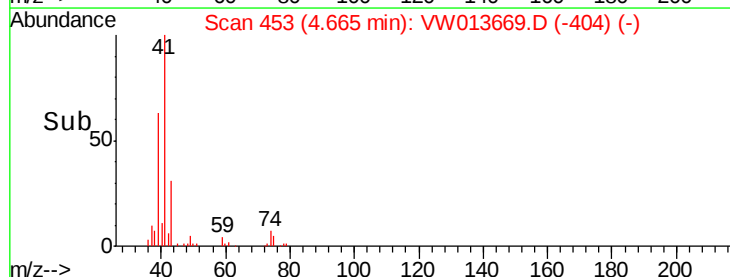
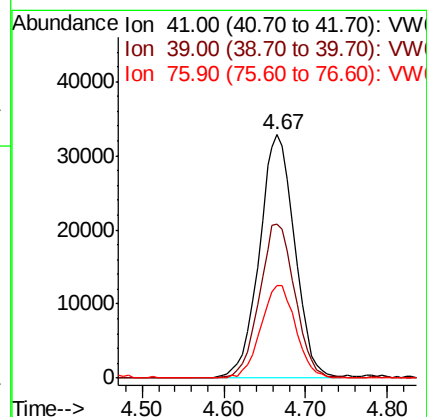
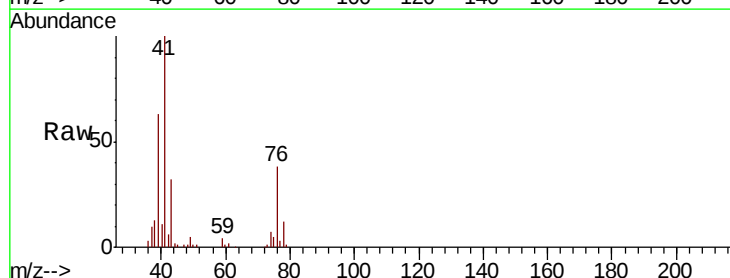
Tgt Ion: 41 Resp: 99100

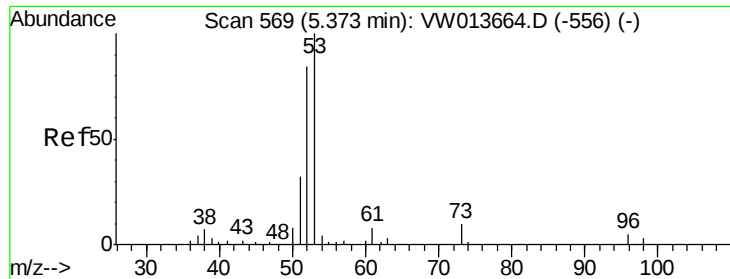
Ion Ratio Lower Upper

41 100

39 63.5 50.0 75.0

76 37.5 29.6 44.4





#15

Acrylonitrile

Concen: 108.489 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampled :

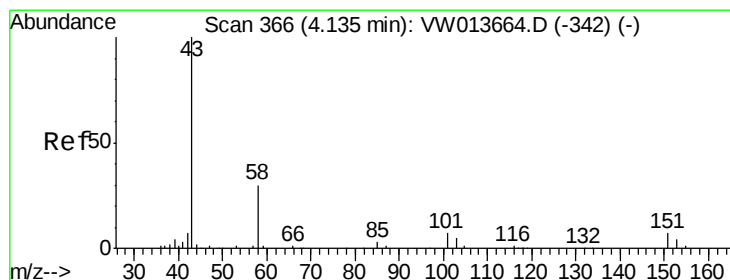
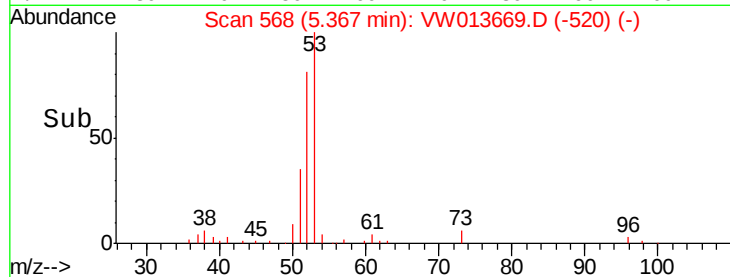
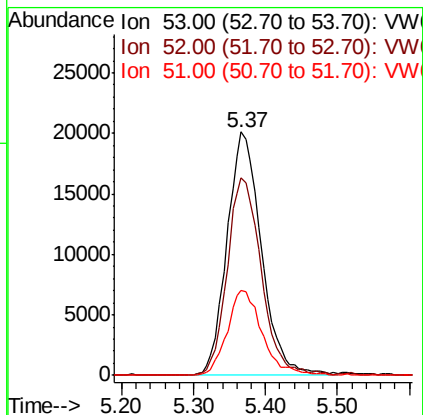
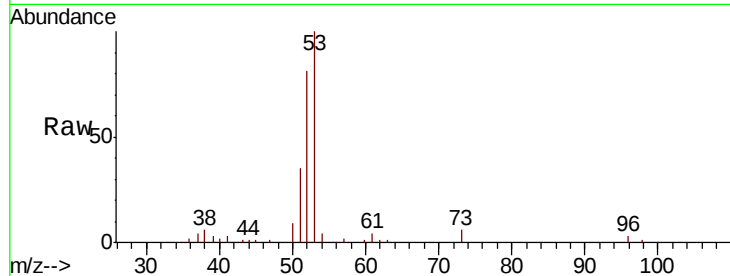
Tot Ion: 53 Resp: 66801

Ion Ratio Lower Upper

53 100

52 79.7 67.4 101.0

51 35.5 29.1 43.7



#16

Acetone

Concen: 94.303 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW013669.D

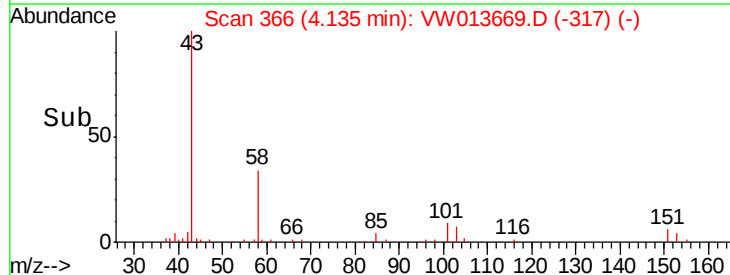
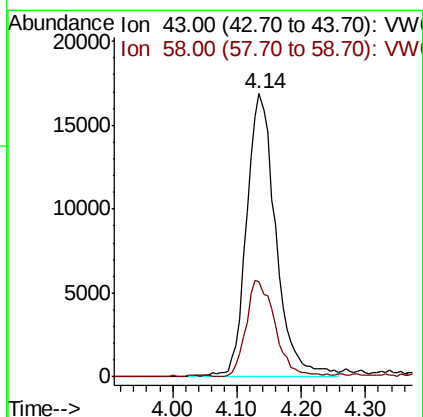
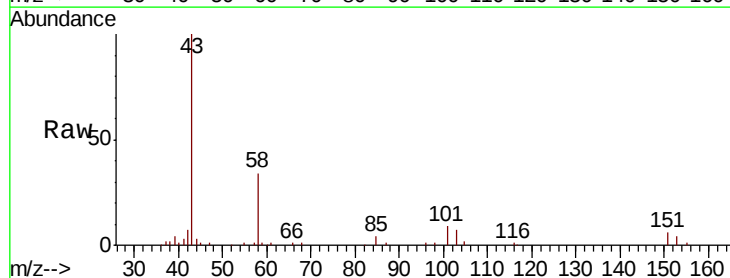
Acq: 23 Oct 2019 16:13

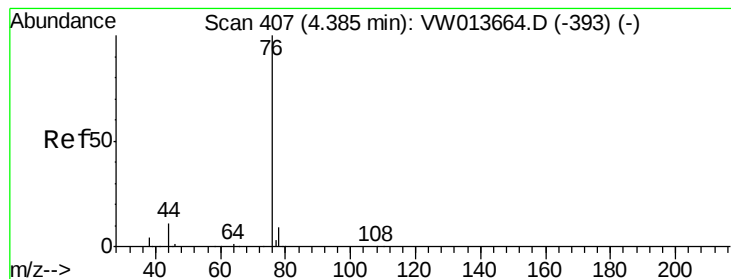
Tgt Ion: 43 Resp: 52640

Ion Ratio Lower Upper

43 100

58 33.0 24.1 36.1





#17

Carbon Disulfide

Concen: 20.923 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

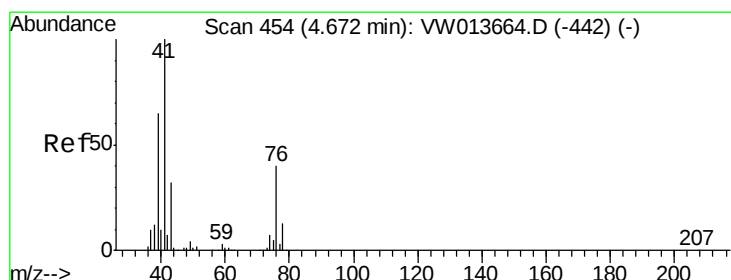
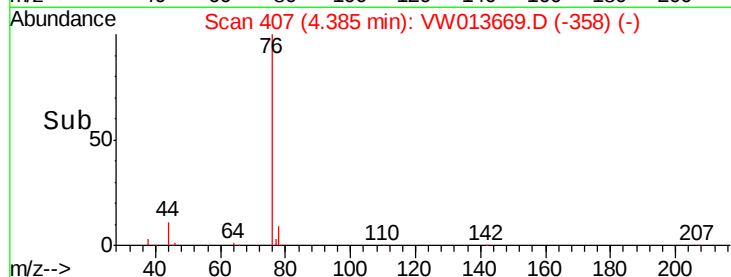
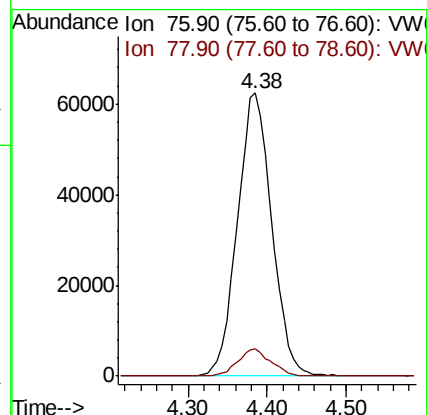
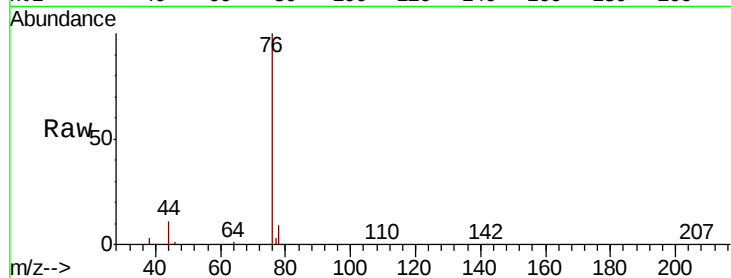
ClientSampleId :

Tot Ion: 76 Resp: 189123

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6



#18

Methyl Acetate

Concen: 21.626 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013669.D

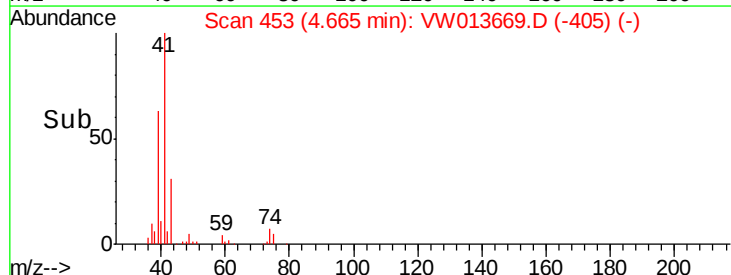
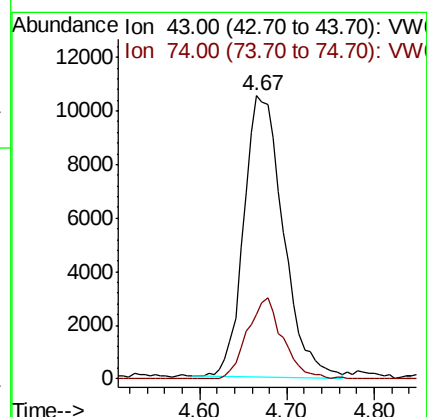
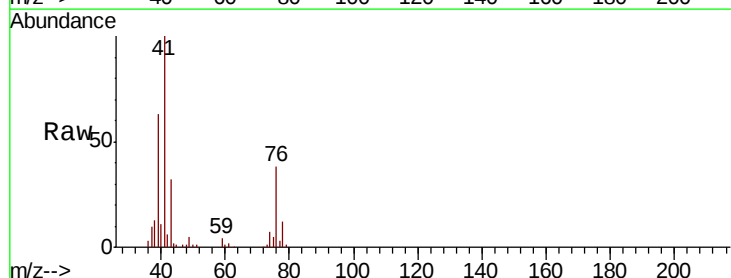
Acq: 23 Oct 2019 16:13

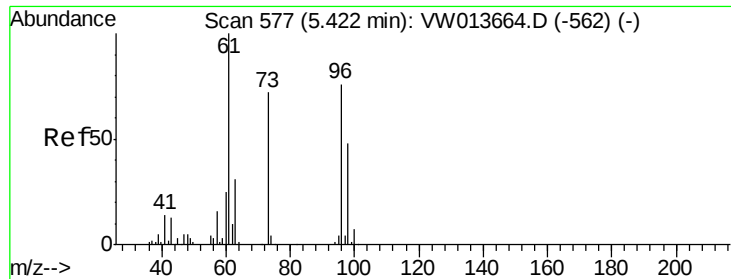
Tgt Ion: 43 Resp: 33091

Ion Ratio Lower Upper

43 100

74 25.7 19.8 29.8

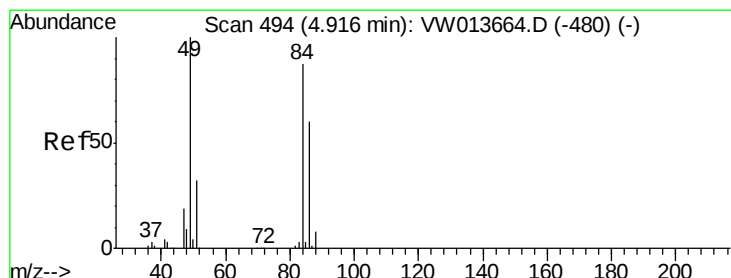
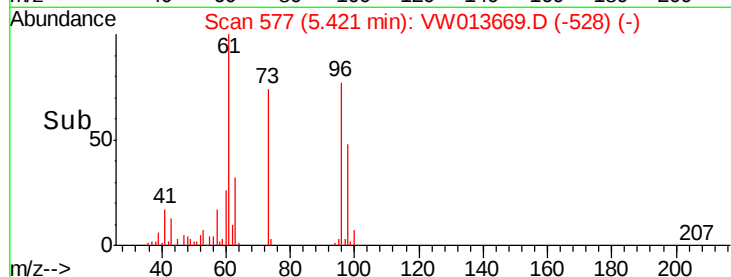
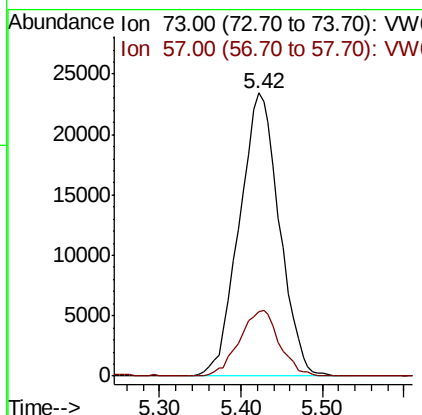
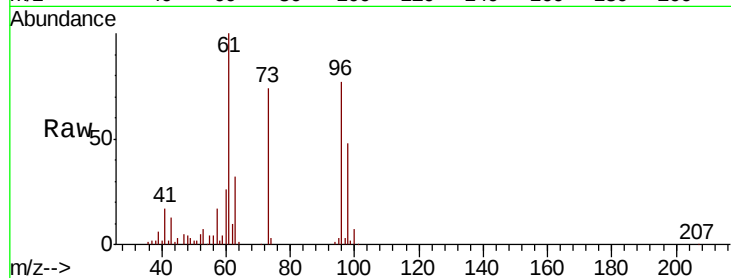




#19
Methyl tert-butyl Ether
Concen: 21.165 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

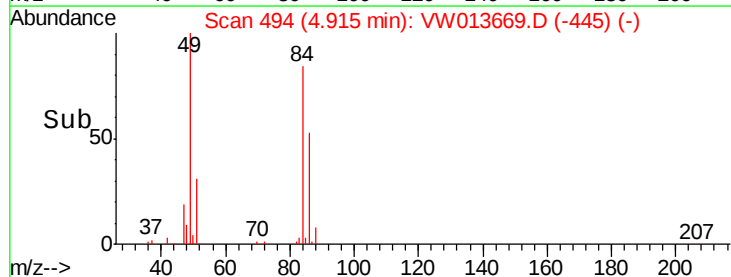
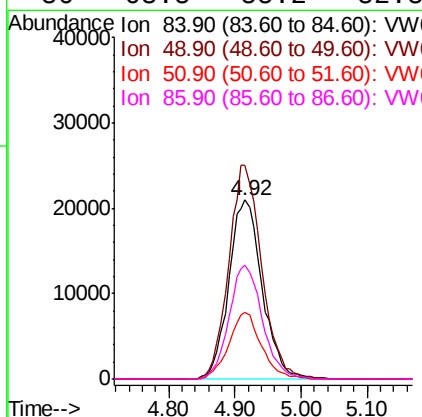
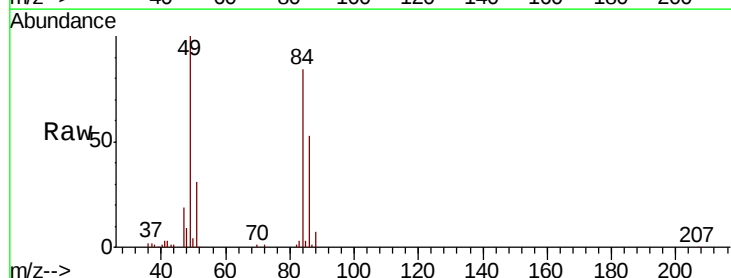
Instrument :
MSVOA_W
ClientSampled :

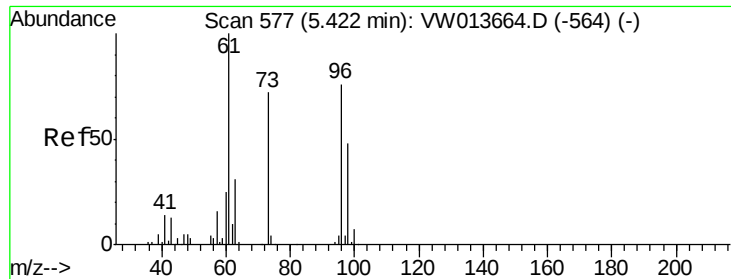
Tot Ion: 73 Resp: 79938
Ion Ratio Lower Upper
73 100
57 22.9 17.6 26.4



#20
Methylene Chloride
Concen: 21.075 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 84 Resp: 73163
Ion Ratio Lower Upper
84 100
49 119.2 91.8 137.6
51 37.5 29.8 44.6
86 63.5 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 21.160 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

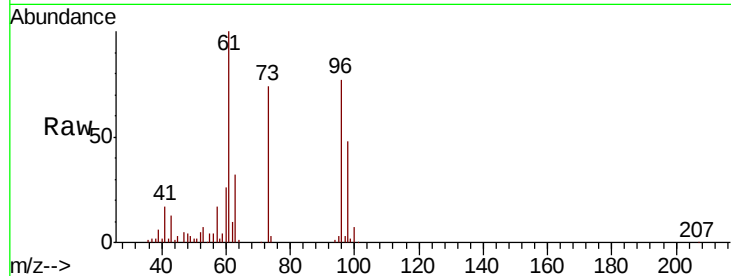
Tot Ion: 96 Resp: 71681

Ion Ratio Lower Upper

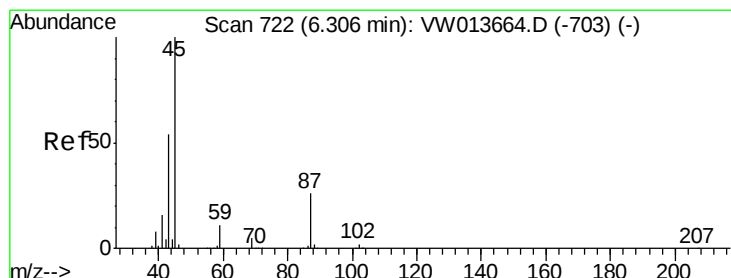
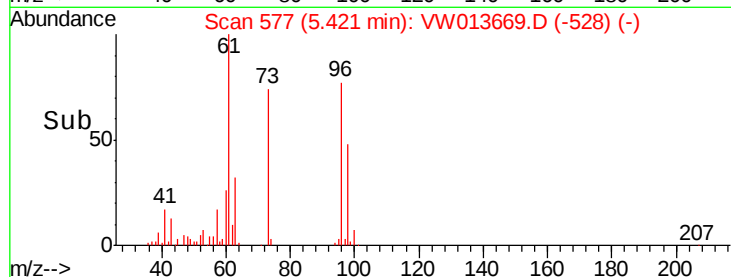
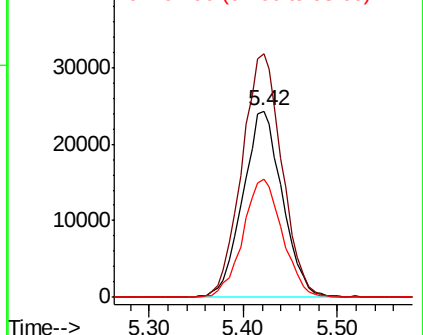
96 100

61 130.5 104.8 157.2

98 63.2 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.566 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Tgt Ion: 45 Resp: 181555

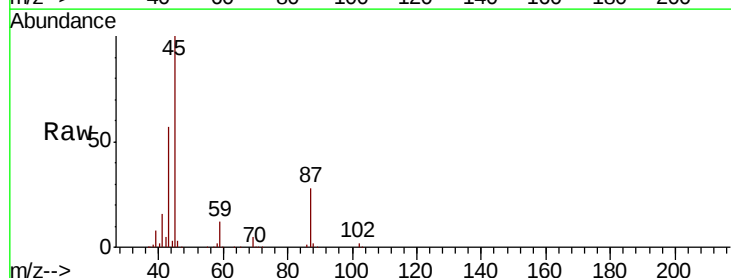
Ion Ratio Lower Upper

45 100

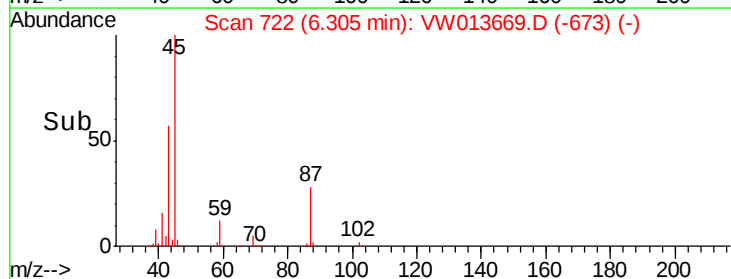
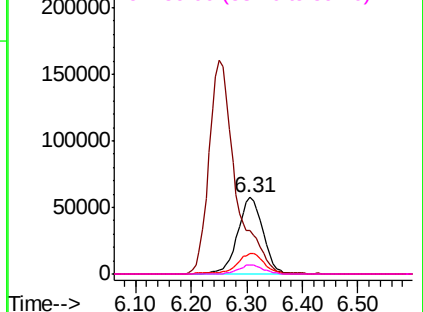
43 56.9 43.4 65.2

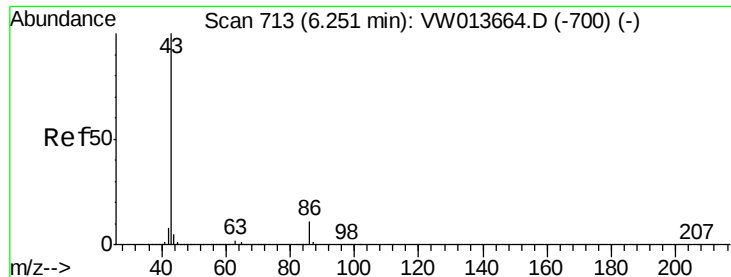
87 27.7 21.5 32.3

59 11.8 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 104.261 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

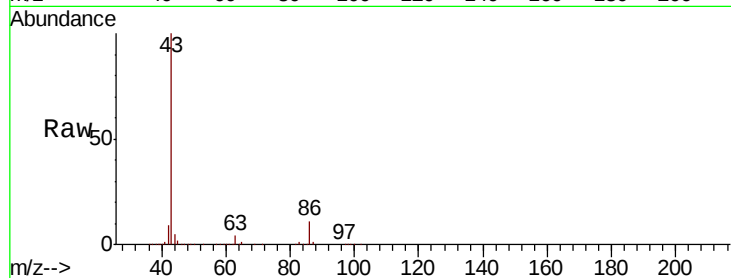
ClientSampleId :

Tot Ion: 43 Resp: 534068

Ion Ratio Lower Upper

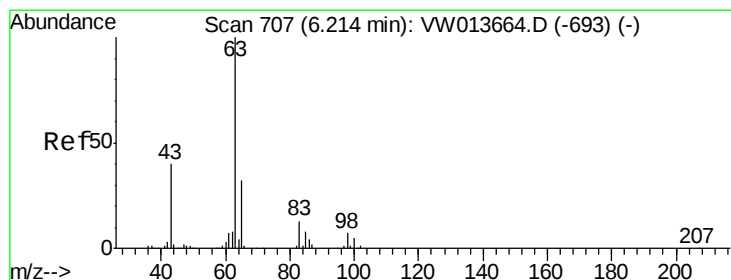
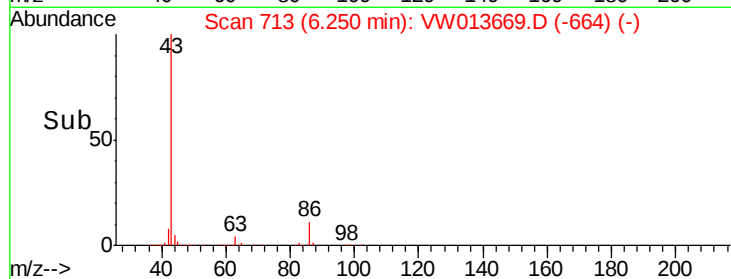
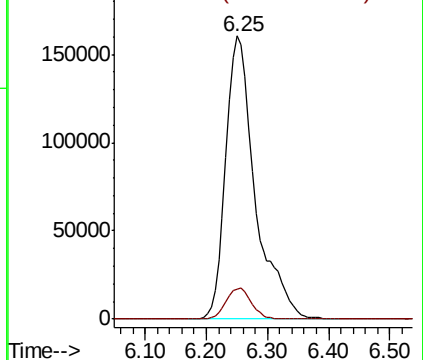
43 100

86 10.8 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.545 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

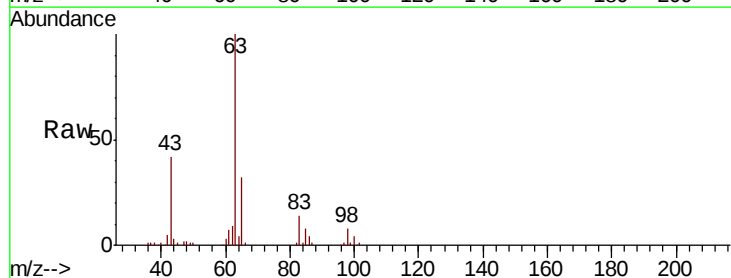
Tgt Ion: 63 Resp: 114866

Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

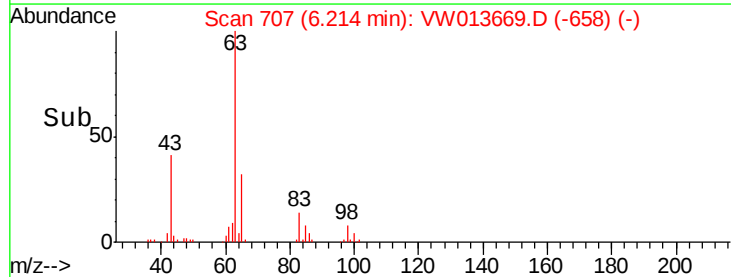
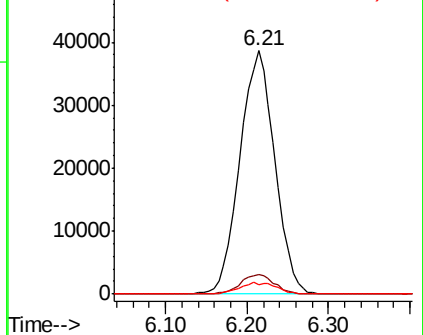
100 3.6 2.5 7.4

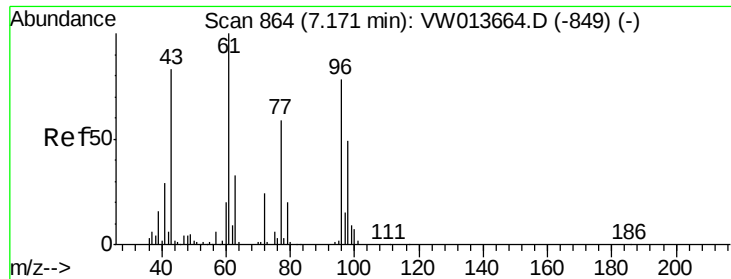


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 102.143 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

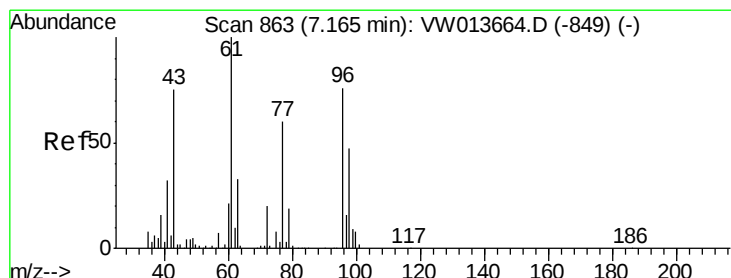
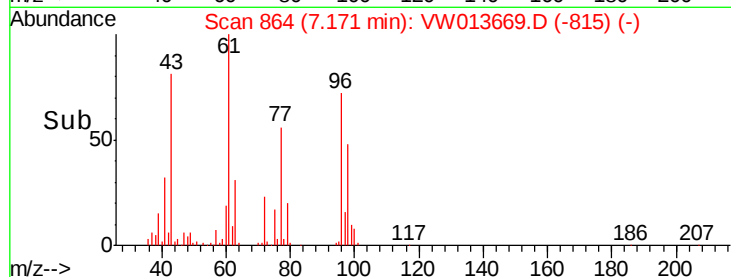
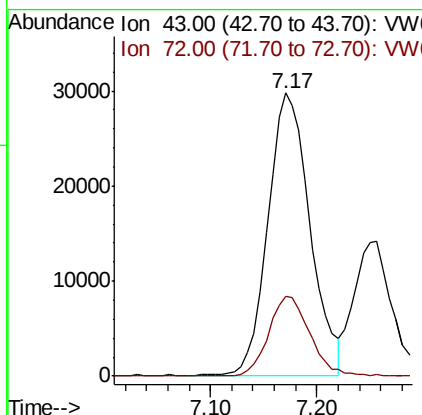
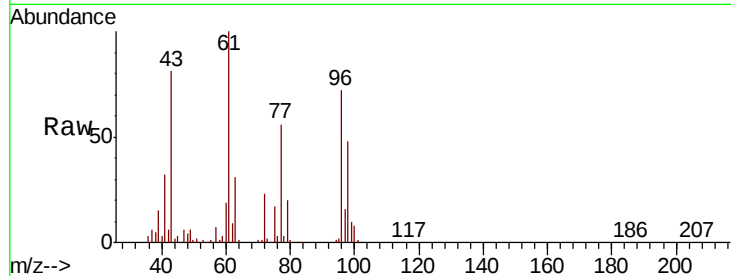
ClientSampled :

Tot Ion: 43 Resp: 81972

Ion Ratio Lower Upper

43 100

72 28.4 23.6 35.4



#26

2,2-Dichloropropane

Concen: 20.887 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013669.D

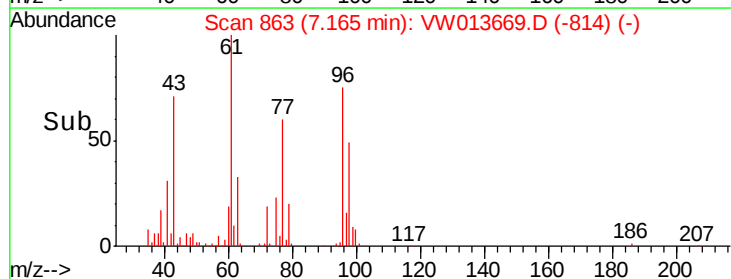
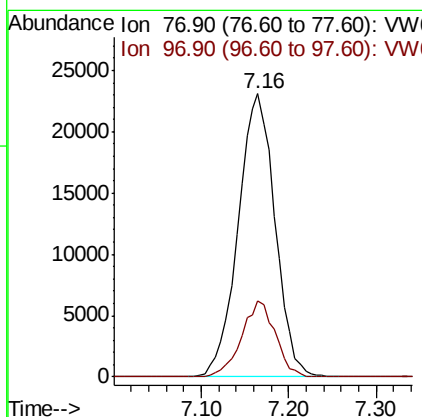
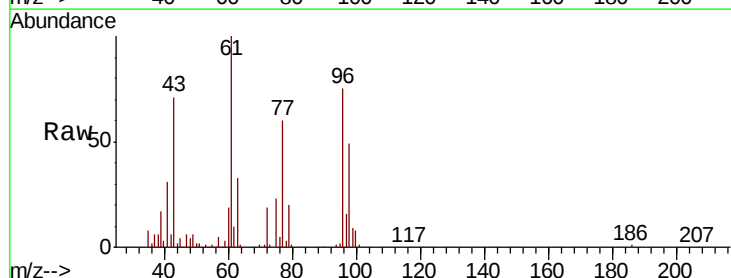
Acq: 23 Oct 2019 16:13

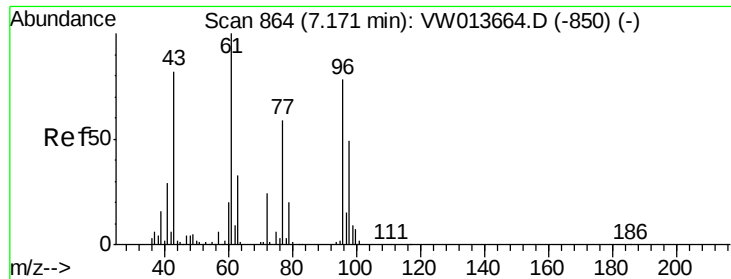
Tgt Ion: 77 Resp: 67528

Ion Ratio Lower Upper

77 100

97 24.5 12.8 38.4



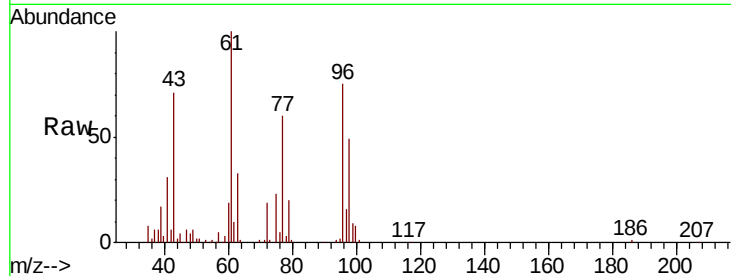


#27

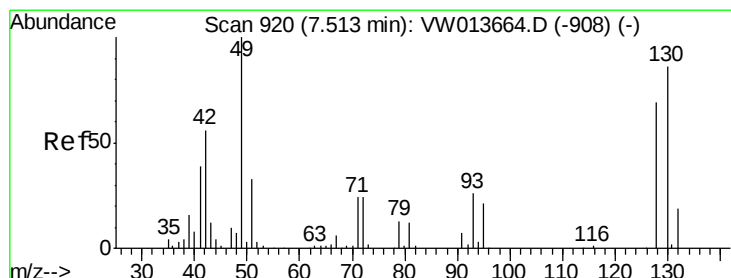
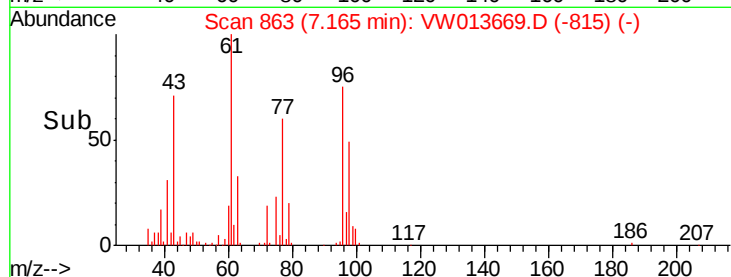
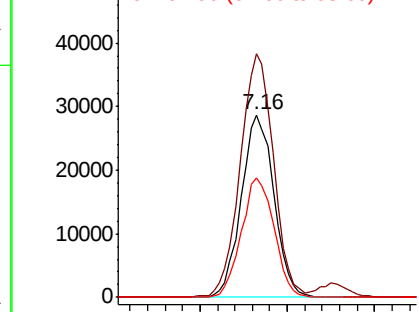
cis-1,2-Dichloroethene
Concen: 20.614 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 74172
Ion Ratio Lower Upper
96 100
61 136.4 0.0 266.0
98 65.8 0.0 126.8



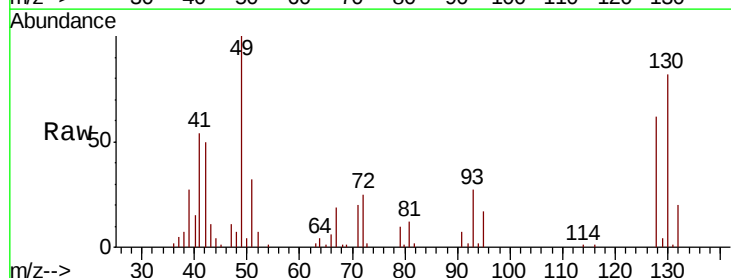
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



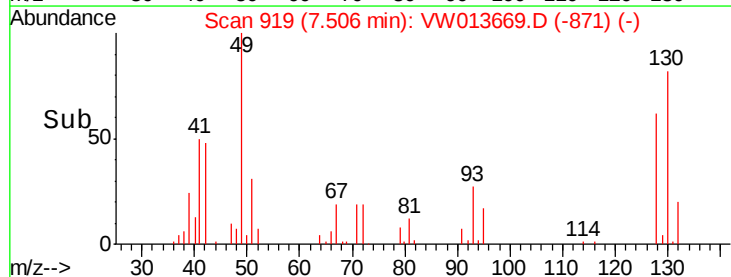
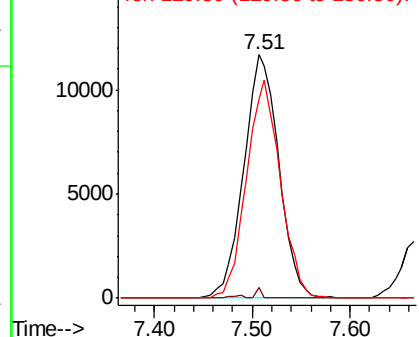
#28

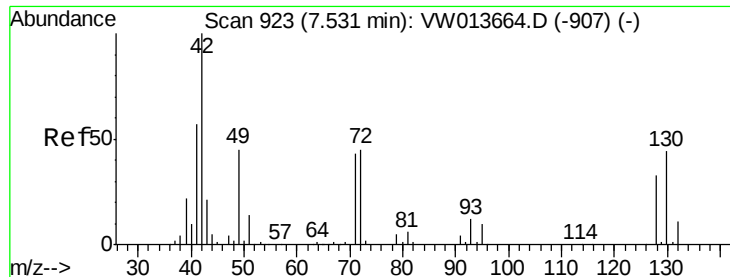
Bromochloromethane
Concen: 15.475 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 49 Resp: 28931
Ion Ratio Lower Upper
49 100
129 0.6 0.0 0.6#
130 86.6 67.5 101.3



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

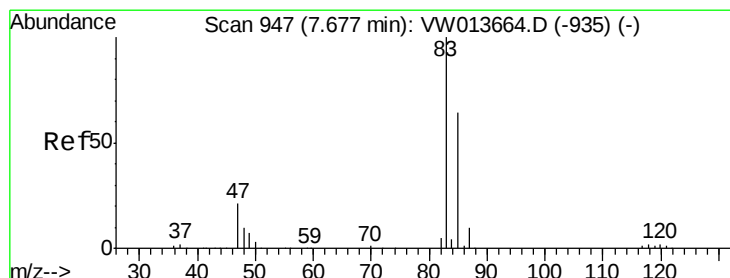
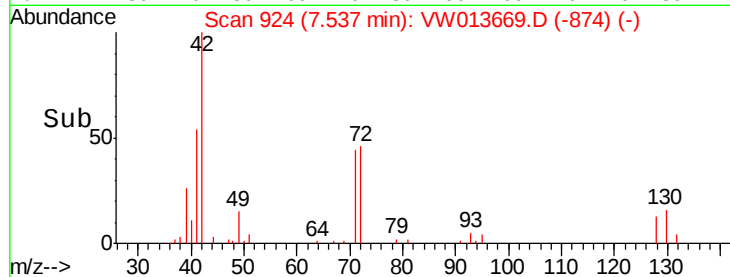
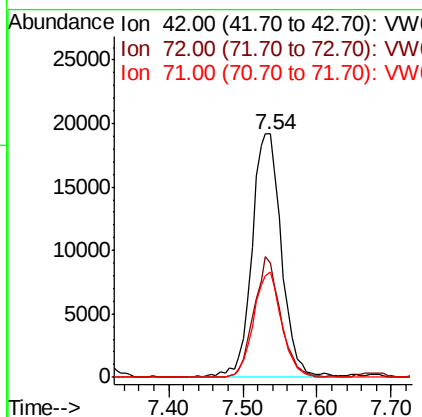
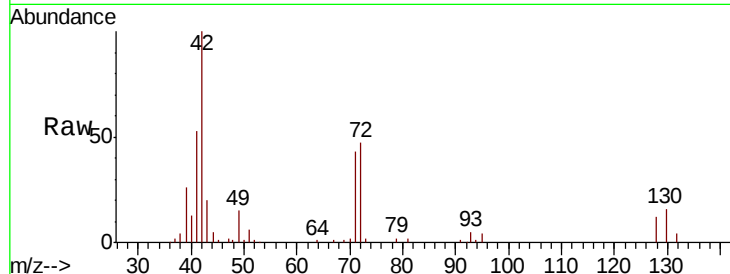




#29
Tetrahydrofuran
Concen: 107.434 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

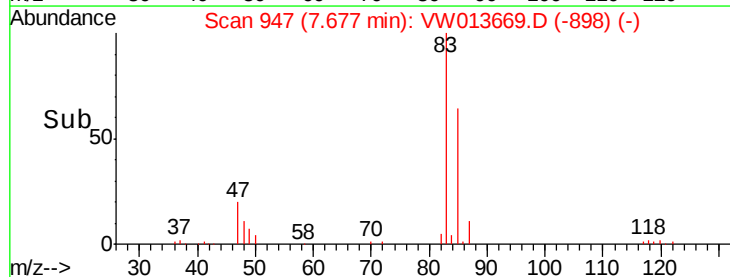
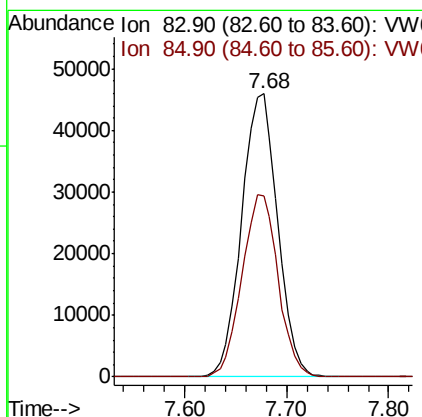
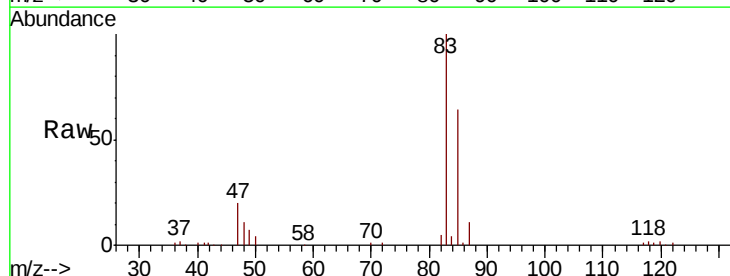
Instrument :
MSVOA_W
ClientSampleId :

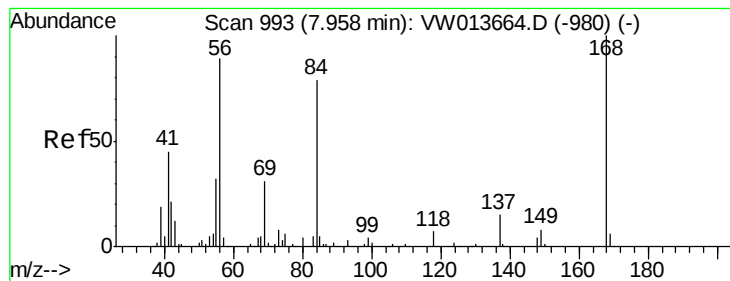
Tot Ion: 42 Resp: 53378
Ion Ratio Lower Upper
42 100
72 44.5 35.3 52.9
71 40.9 33.3 49.9



#30
Chloroform
Concen: 20.423 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 83 Resp: 112879
Ion Ratio Lower Upper
83 100
85 63.9 51.4 77.2





#31

Cyclohexane

Concen: 20.019 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

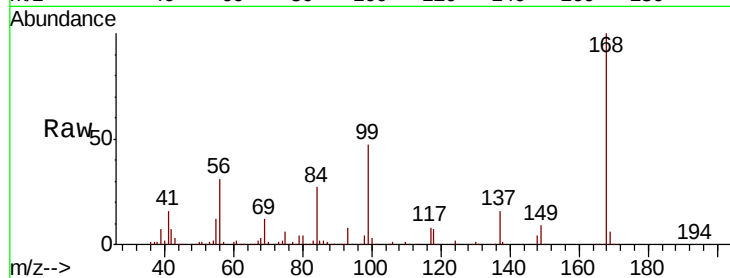
Tot Ion: 56 Resp: 117131

Ion Ratio Lower Upper

56 100

69 38.5 27.5 41.3

84 86.6 70.8 106.2

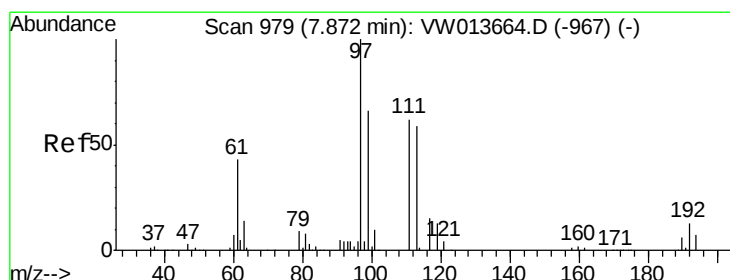
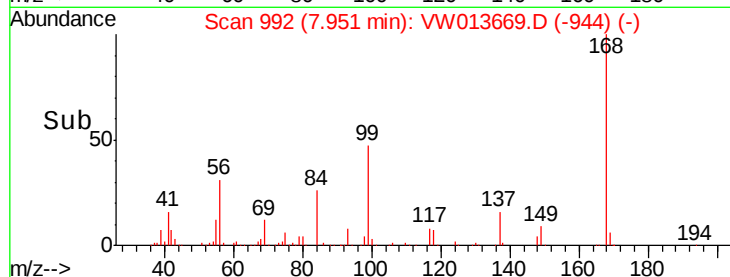
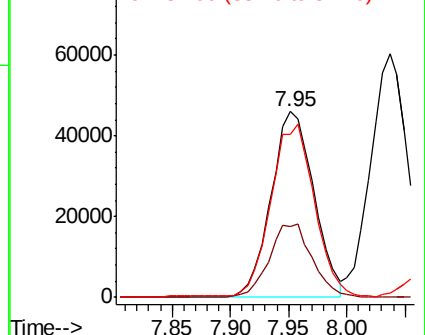


Abundance

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: 20.806 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

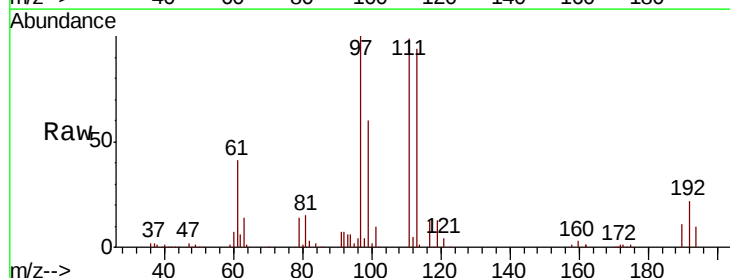
Tgt Ion: 97 Resp: 90238

Ion Ratio Lower Upper

97 100

99 66.9 52.0 78.0

61 41.9 33.8 50.6

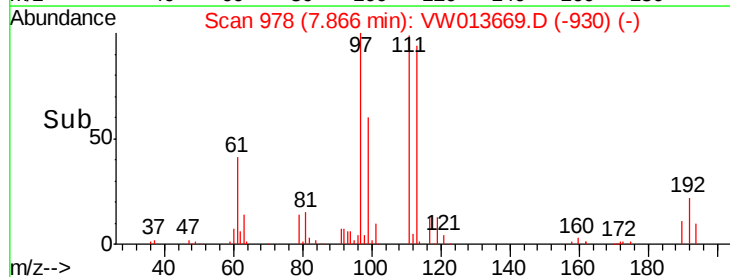
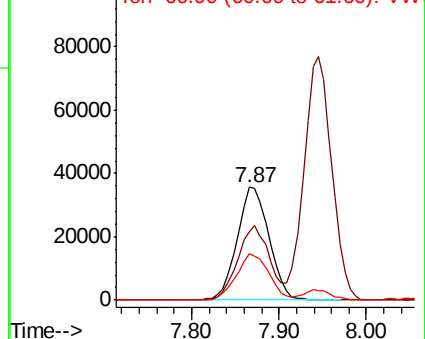


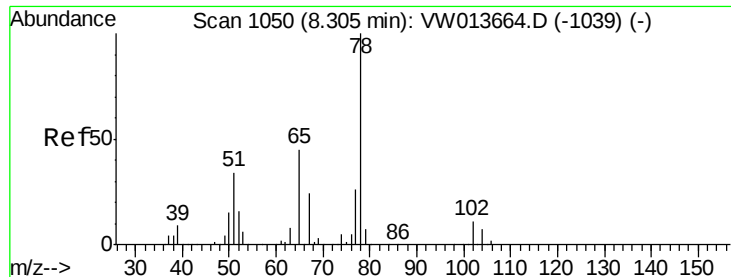
Abundance

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

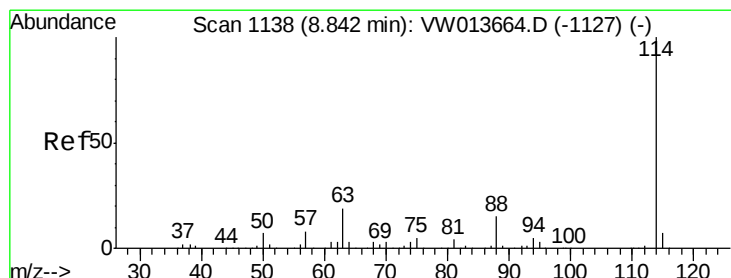
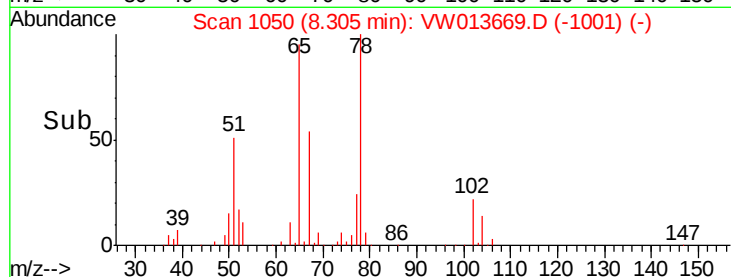
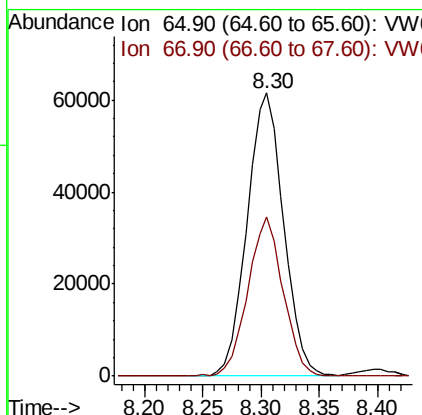
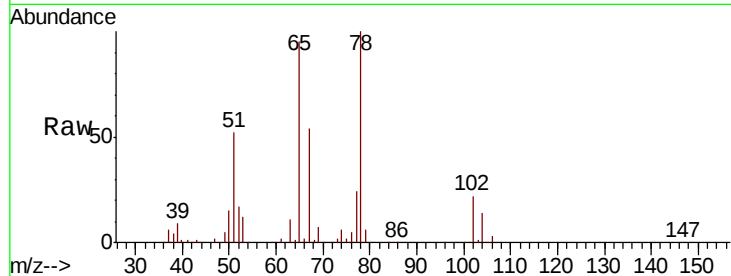




#33
 1,2-Dichloroethane-d4
 Concen: 50.808 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

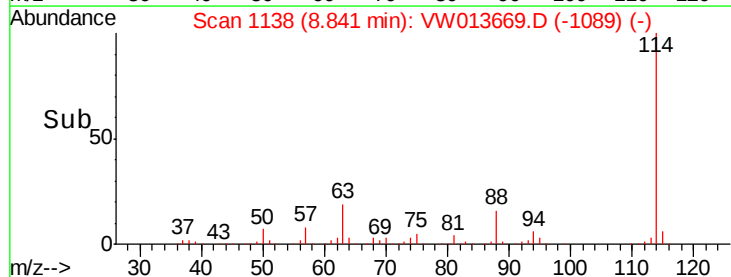
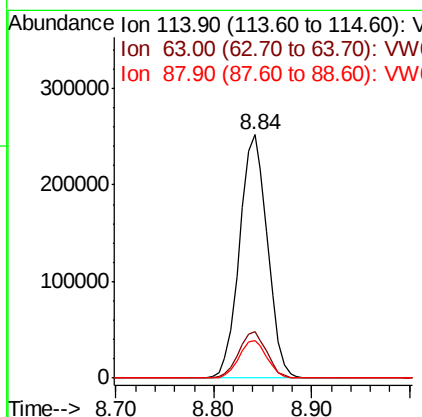
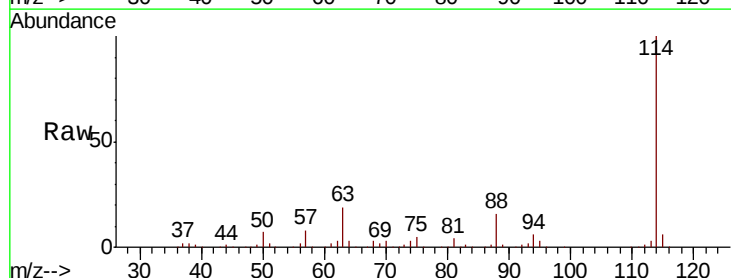
Instrument :
 MSVOA_W
 ClientSampleId :

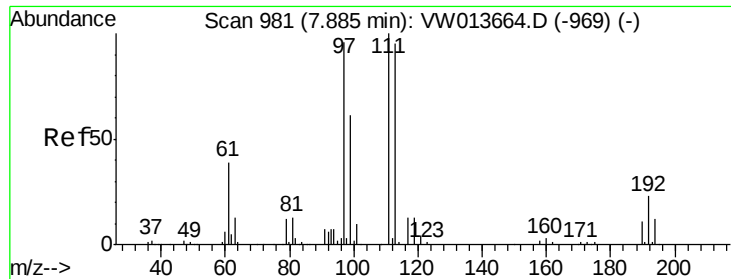
Tot Ion: 65 Resp: 133758
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Tgt Ion: 114 Resp: 497049
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.6
 88 15.5 0.0 30.2

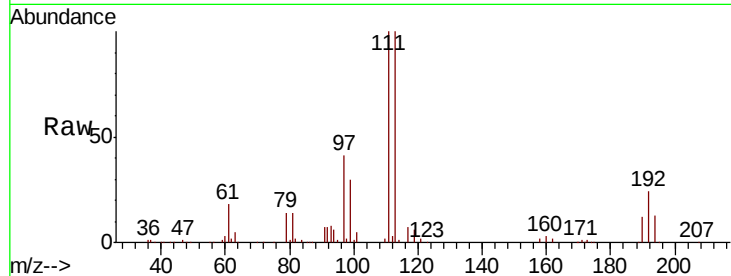




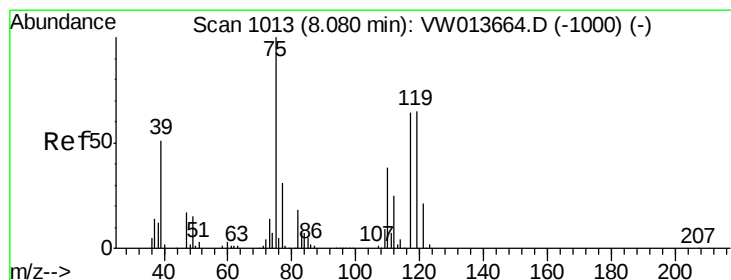
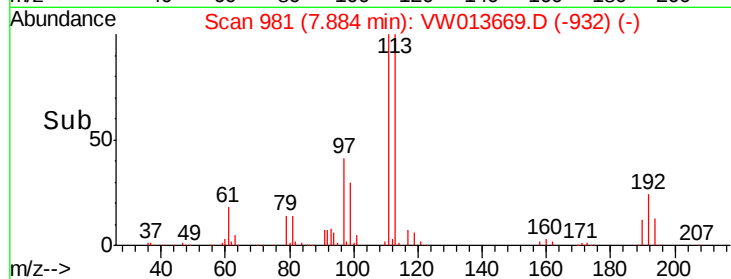
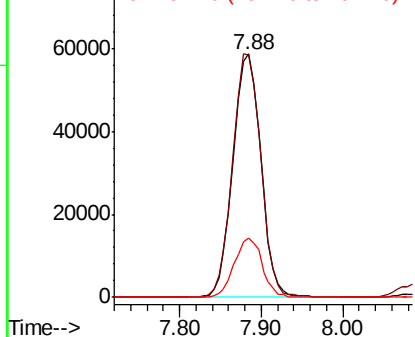
#35
Dibromofluoromethane
Concen: 50.375 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.0	124.6
192	24.1	19.4	29.2

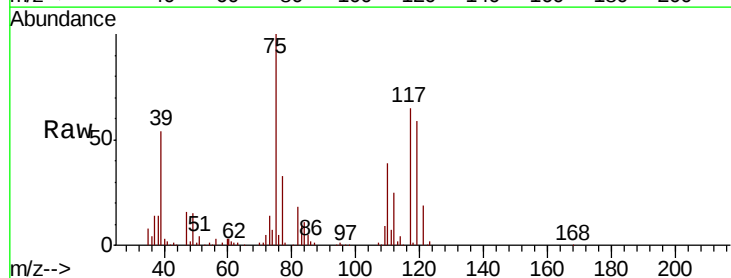


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

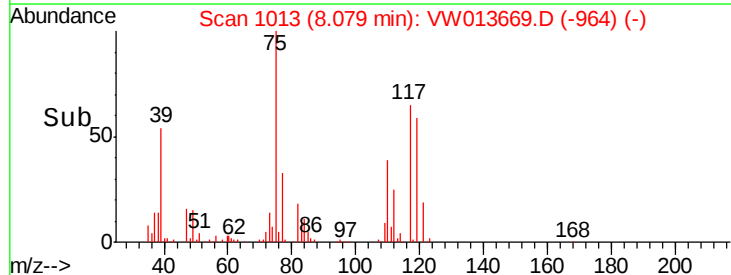
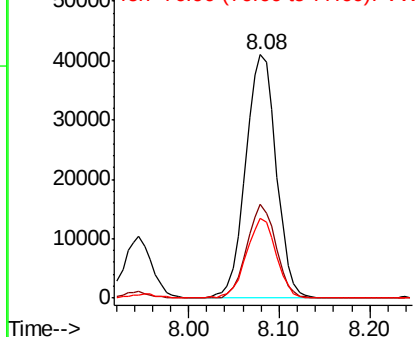


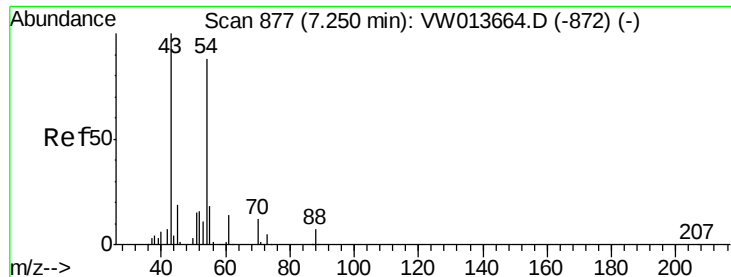
#36
1,1-Dichloropropene
Concen: 20.650 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.7	56.1
77	32.1	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

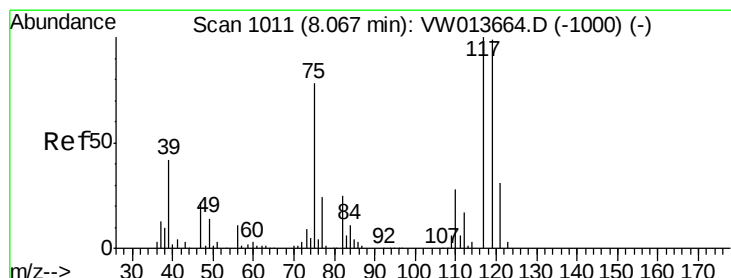
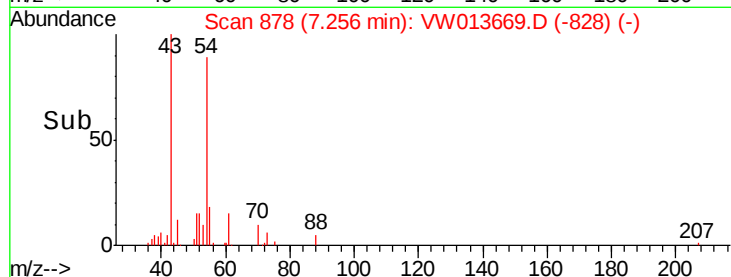
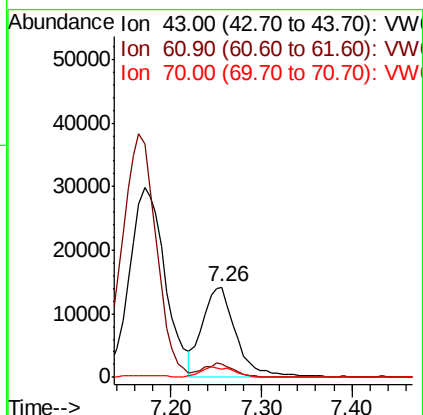
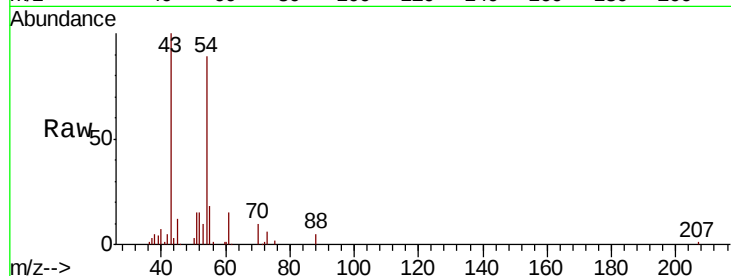




#37
Ethyl Acetate
Concen: 20.691 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

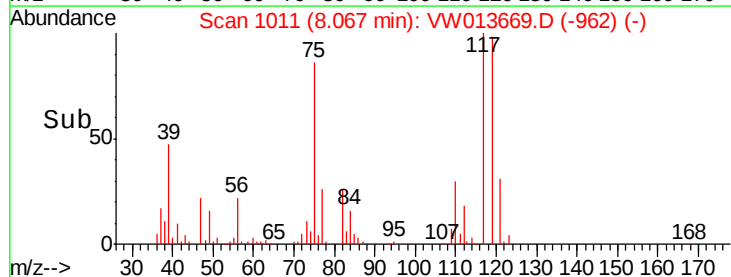
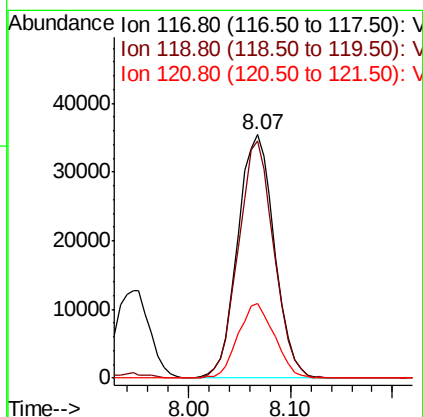
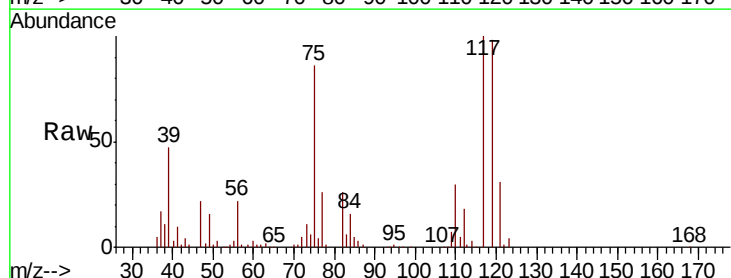
Instrument :
MSVOA_W
ClientSampled :

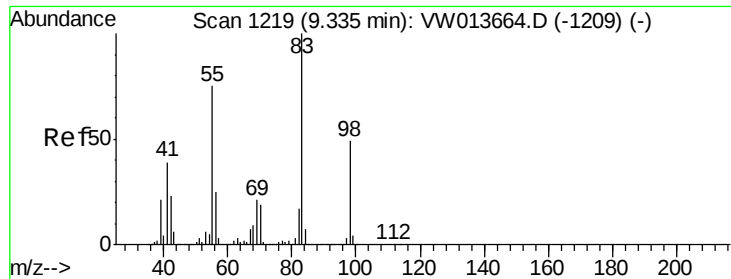
Tot Ion: 43 Resp: 36664
Ion Ratio Lower Upper
43 100
61 14.1 11.7 17.5
70 11.6 8.8 13.2



#38
Carbon Tetrachloride
Concen: 21.241 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 117 Resp: 88543
Ion Ratio Lower Upper
117 100
119 97.6 79.0 118.4
121 30.8 24.5 36.7

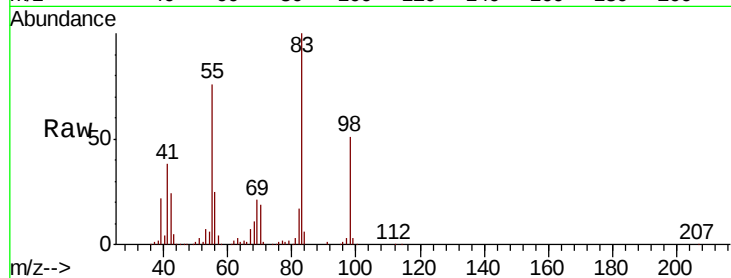




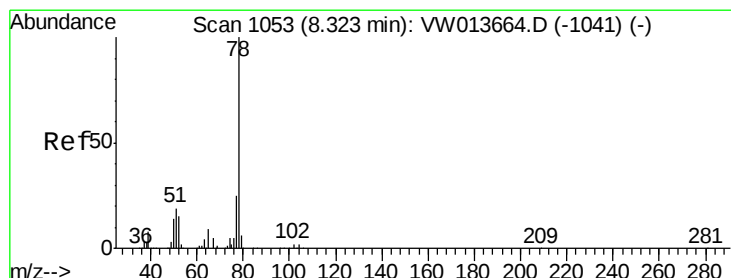
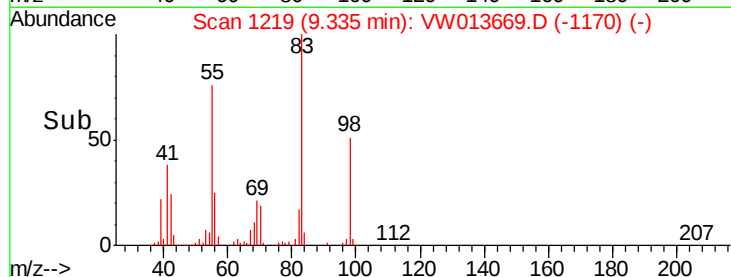
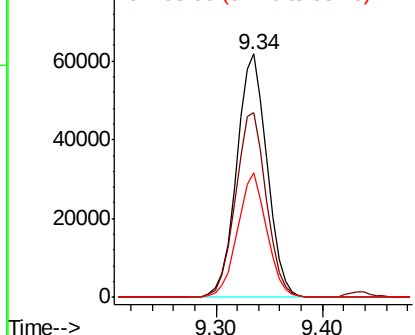
#39
Methvlcvclohexane
Concen: 20.682 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 123638
Ion Ratio Lower Upper
83 100
55 76.0 59.9 89.9
98 51.2 39.4 59.2

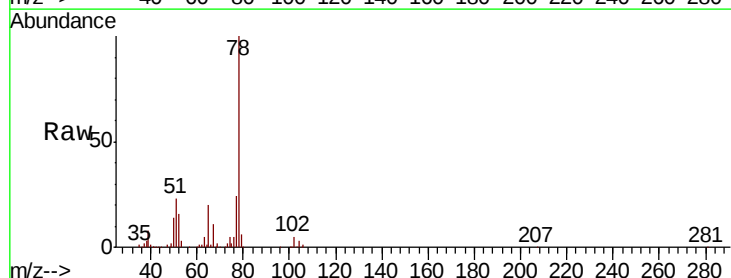


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

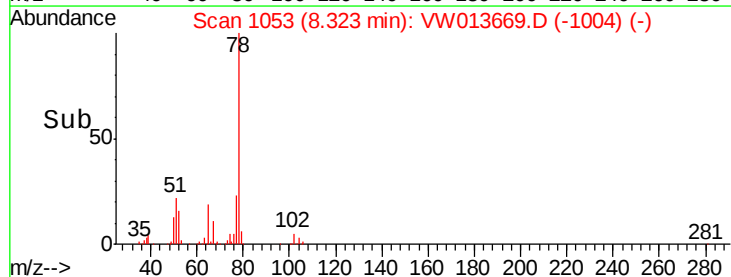
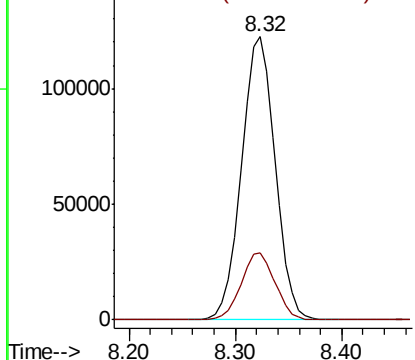


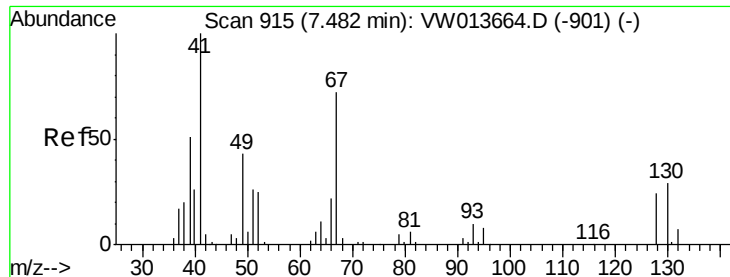
#40
Benzene
Concen: 20.721 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 78 Resp: 271449
Ion Ratio Lower Upper
78 100
77 23.6 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 21.996 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 24306

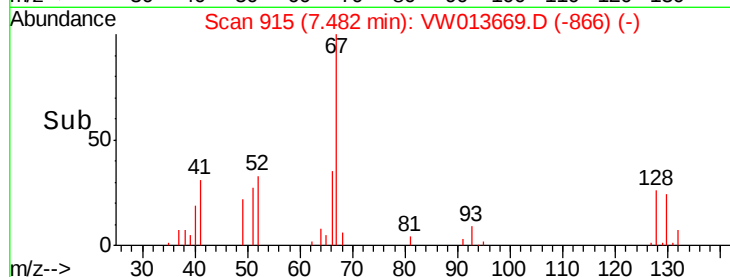
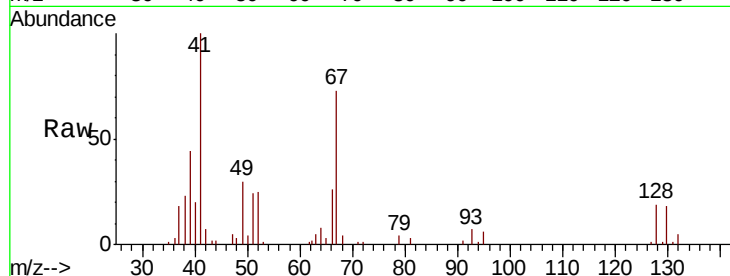
Ion Ratio Lower Upper

41 100

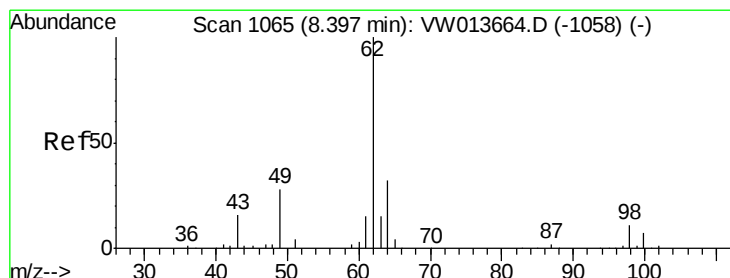
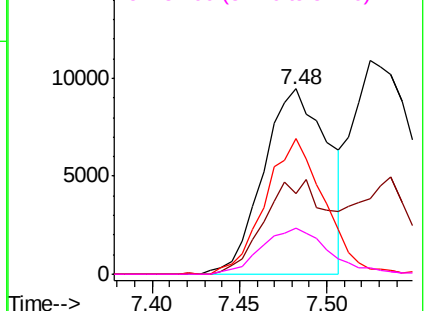
39 50.0 44.8 67.2

67 68.4 59.3 88.9

52 26.1 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: 20.601 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013669.D

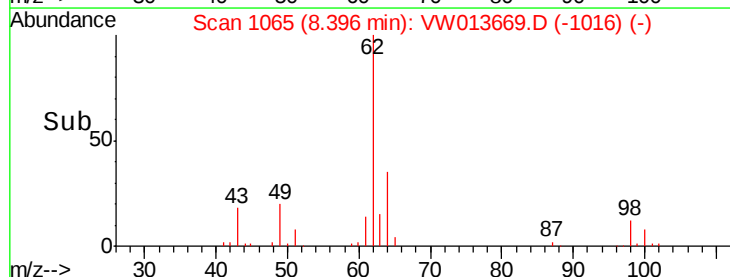
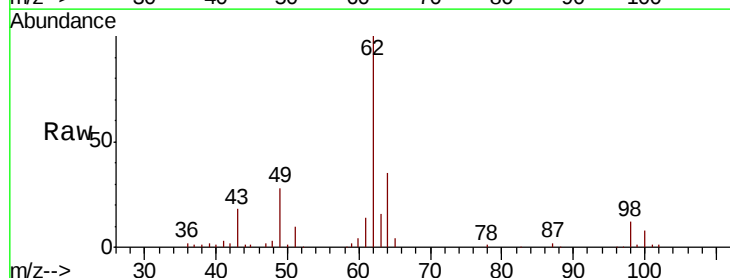
Acq: 23 Oct 2019 16:13

Tgt Ion: 62 Resp: 68008

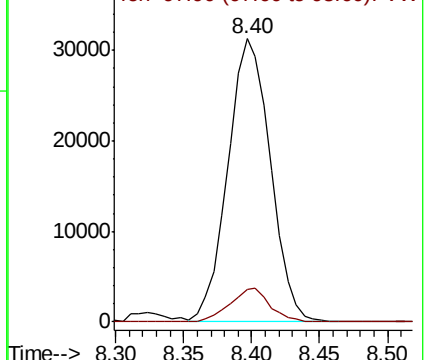
Ion Ratio Lower Upper

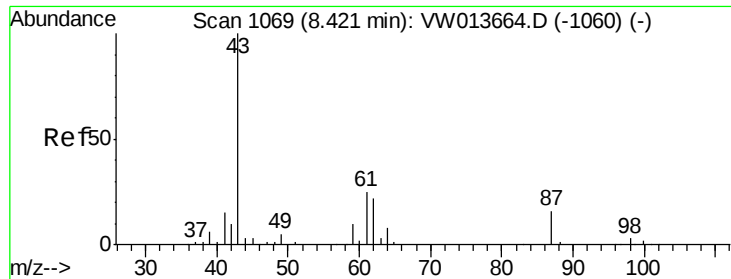
62 100

98 11.2 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: 20.765 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

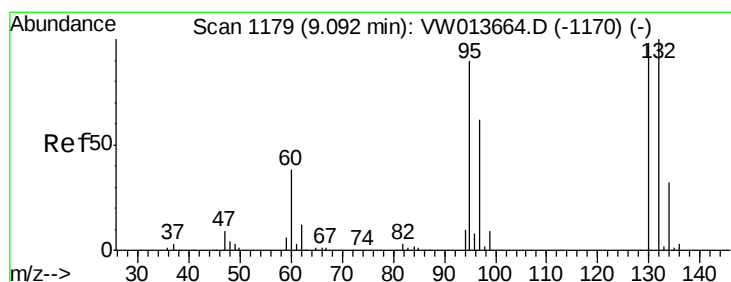
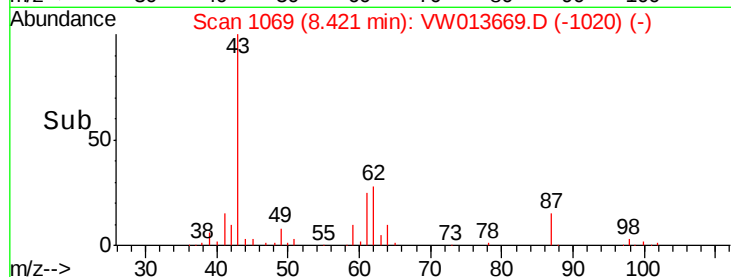
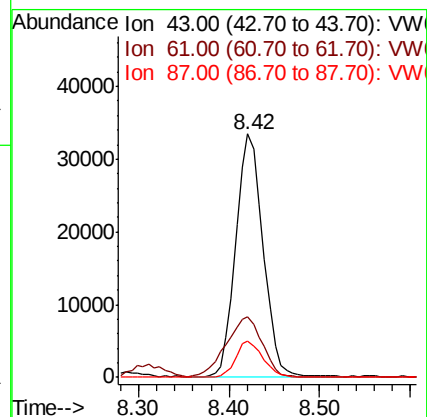
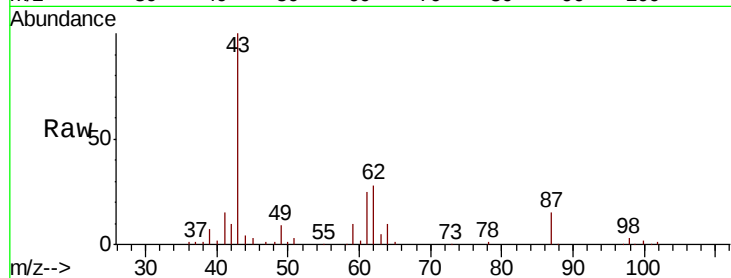
Tot Ion: 43 Resp: 70432

Ion Ratio Lower Upper

43 100

61 32.9 26.1 39.1

87 14.6 11.4 17.0



#44

Trichloroethene

Concen: 20.734 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013669.D

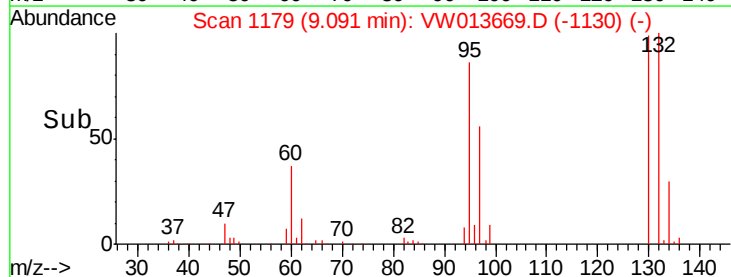
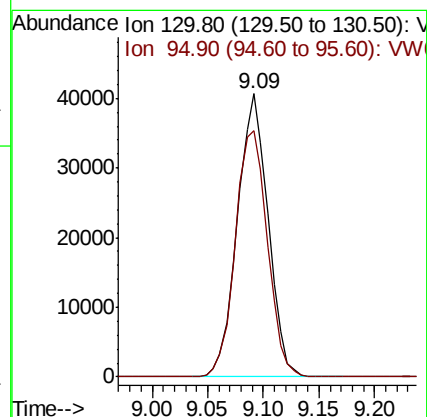
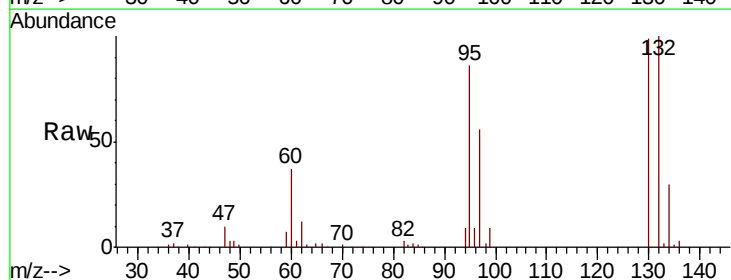
Acq: 23 Oct 2019 16:13

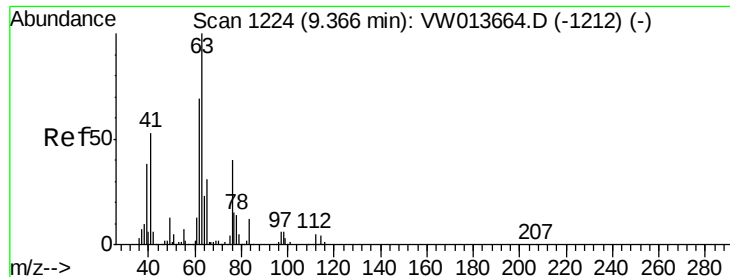
Tgt Ion:130 Resp: 77804

Ion Ratio Lower Upper

130 100

95 86.9 0.0 184.6

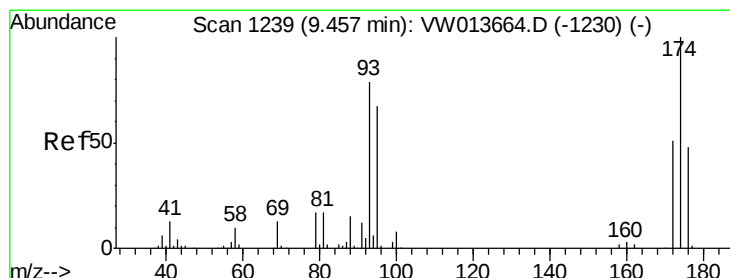
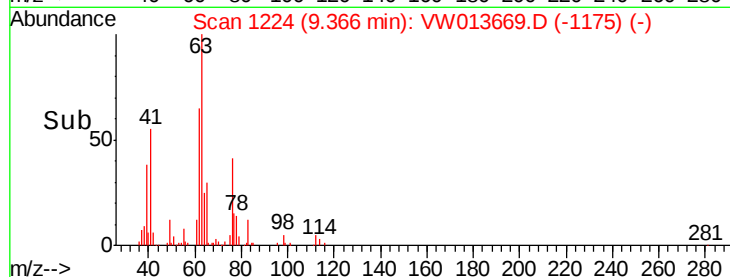
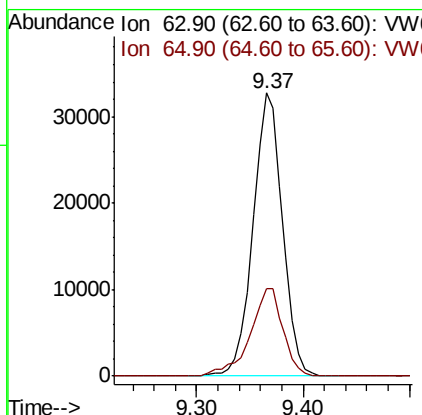
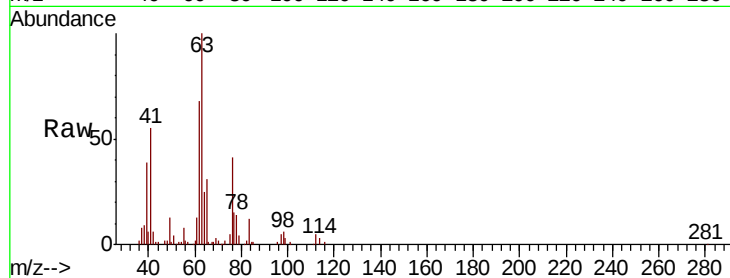




#45
 1,2-Dichloropropane
 Concen: 20.314 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

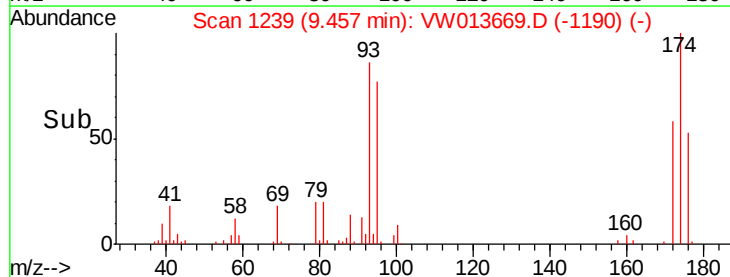
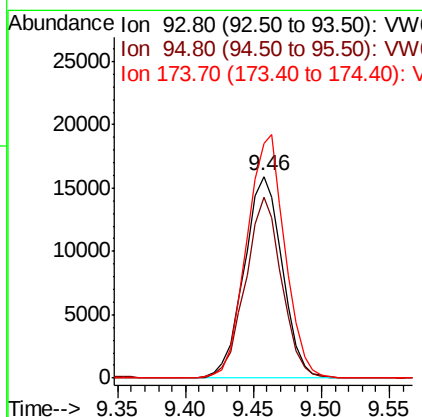
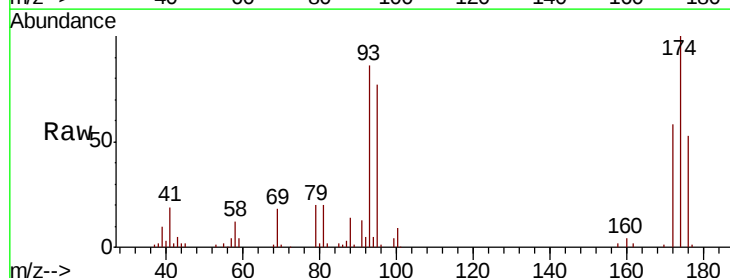
Instrument :
 MSVOA_W
 ClientSampleId :

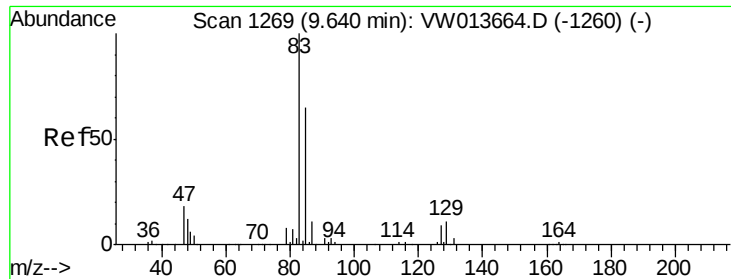
Tot Ion: 63 Resp: 63564
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.2 37.8



#46
 Dibromomethane
 Concen: 20.583 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Tgt Ion: 93 Resp: 31260
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.5 99.7
 174 120.7 99.6 149.4





#47

Bromodichloromethane

Concen: 20.189 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampled :

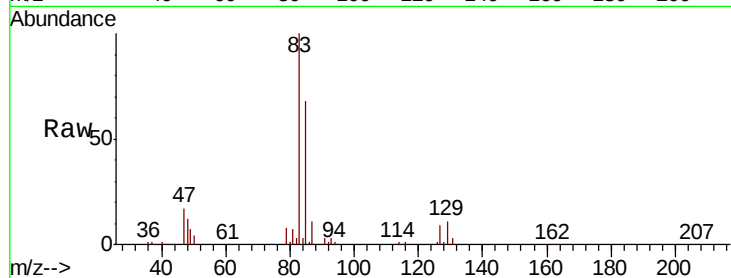
Tot Ion: 83 Resp: 79334

Ion Ratio Lower Upper

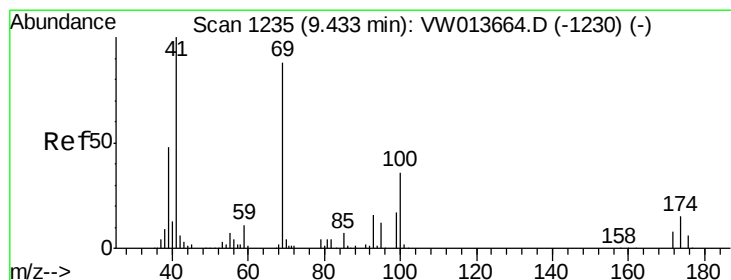
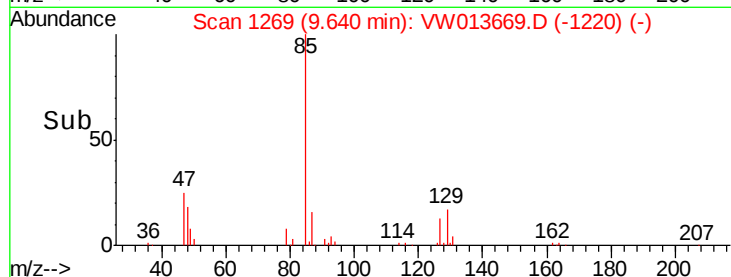
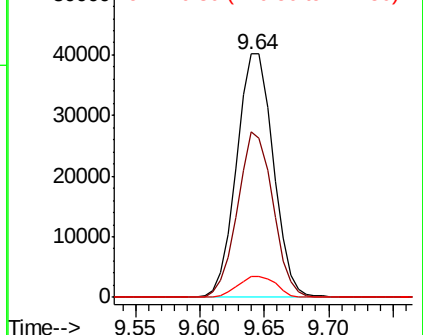
83 100

85 67.9 51.8 77.6

127 8.8 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.084 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

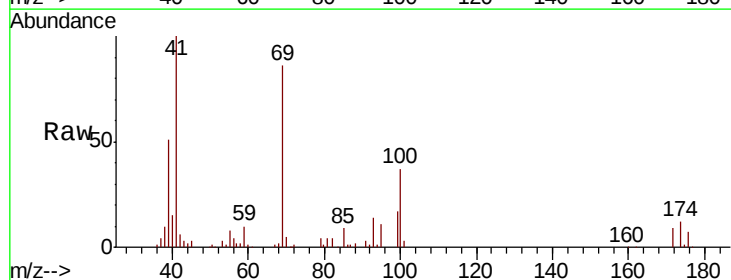
Tgt Ion: 41 Resp: 32100

Ion Ratio Lower Upper

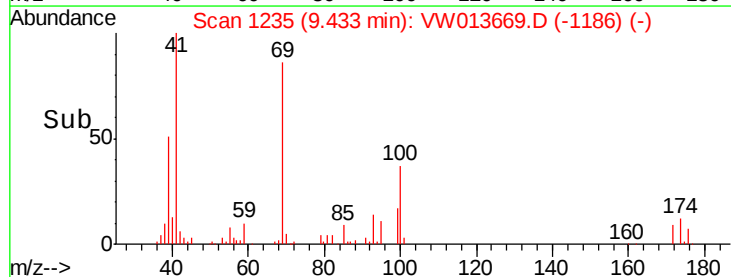
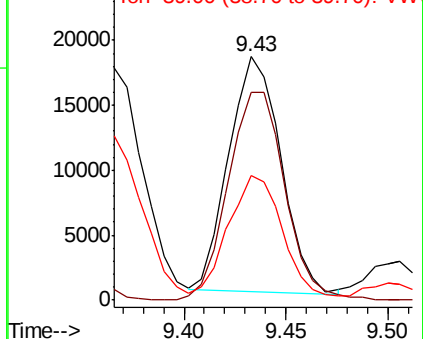
41 100

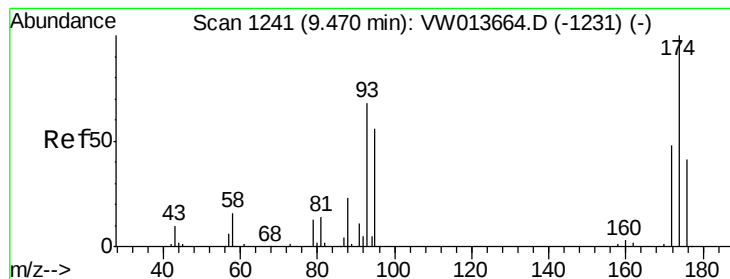
69 96.9 67.6 101.4

39 52.3 38.6 58.0



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 422.418 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

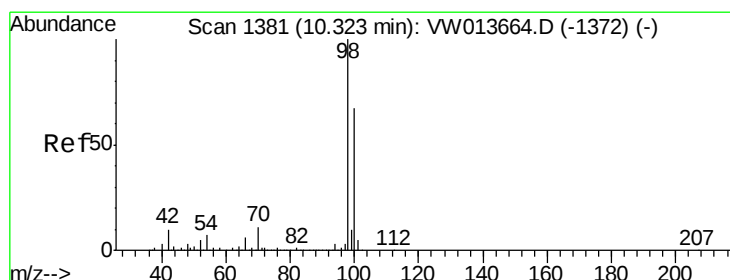
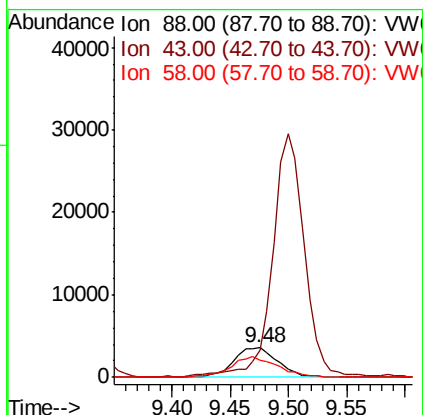
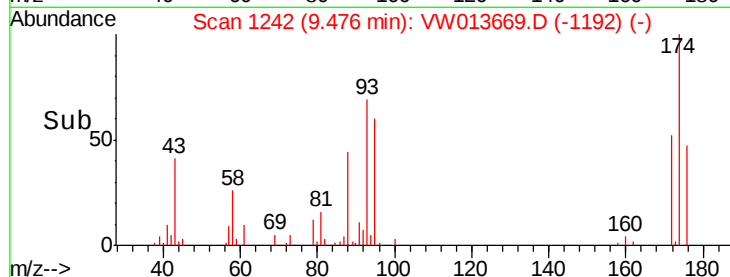
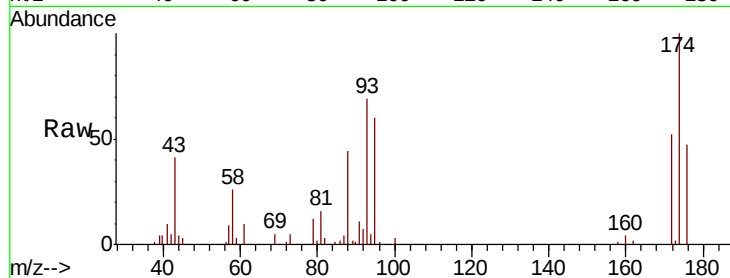
Tot Ion: 88 Resp: 9480

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 75.2 58.9 88.3



#50

Toluene-d8

Concen: 50.813 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013669.D

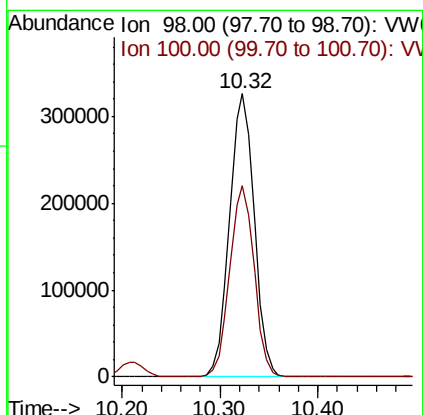
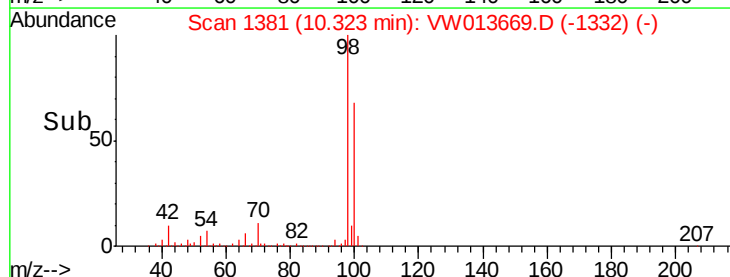
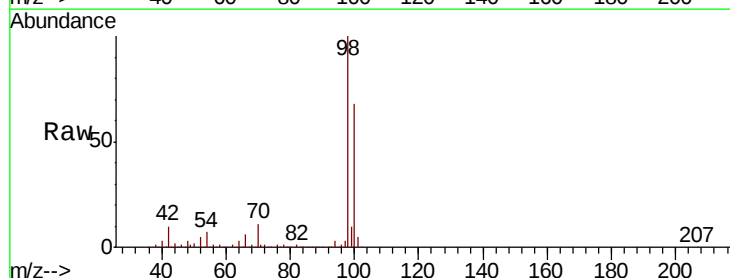
Acq: 23 Oct 2019 16:13

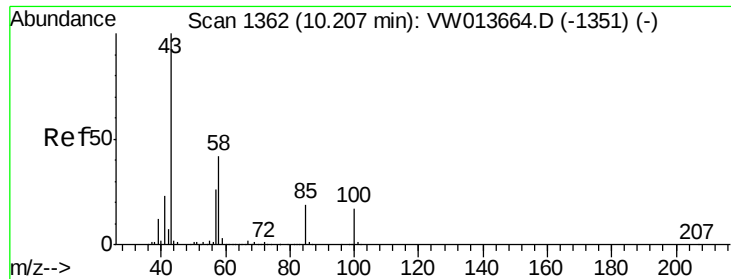
Tgt Ion: 98 Resp: 571849

Ion Ratio Lower Upper

98 100

100 66.6 53.4 80.0

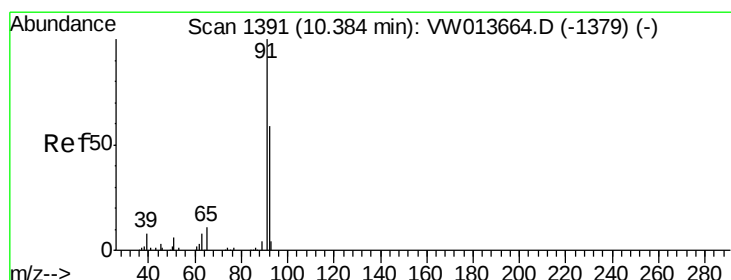
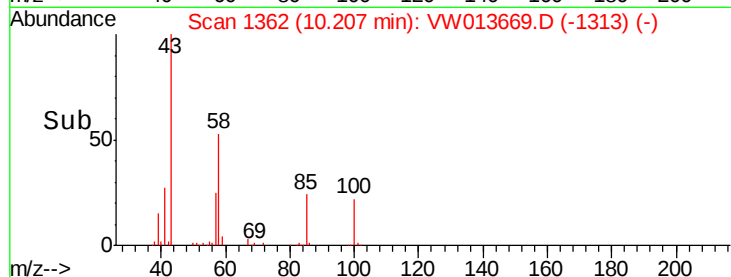
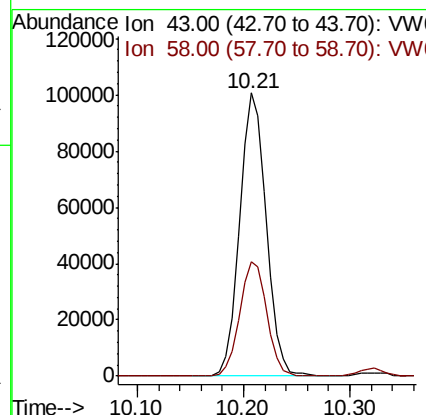
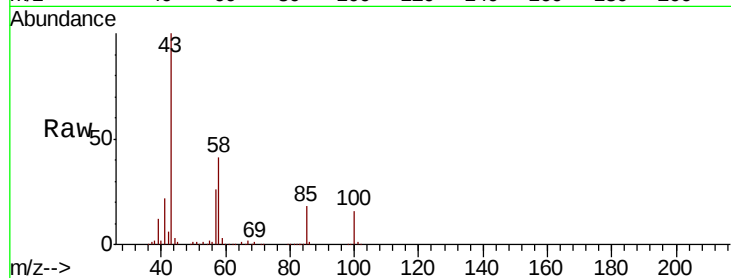




#51
4-Methyl-2-Pentanone
Concen: 104.454 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

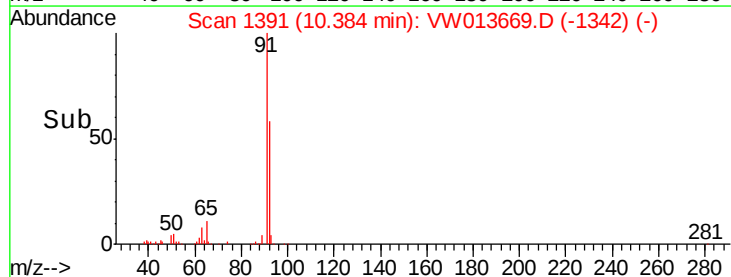
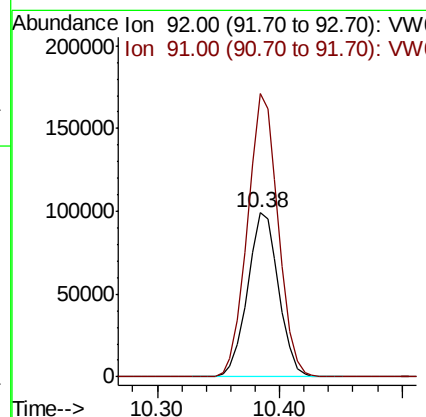
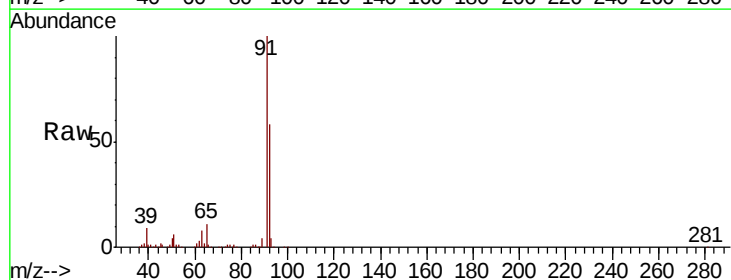
Instrument :
MSVOA_W
ClientSampled :

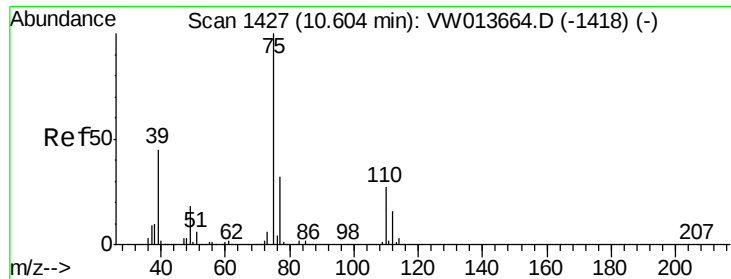
Tot Ion: 43 Resp: 176054
Ion Ratio Lower Upper
43 100
58 41.5 32.6 49.0



#52
Toluene
Concen: 20.614 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 92 Resp: 174192
Ion Ratio Lower Upper
92 100
91 171.0 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 20.177 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

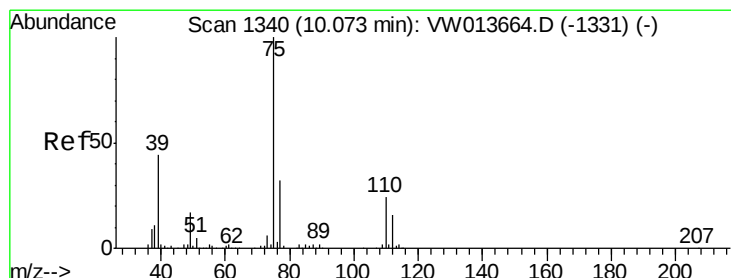
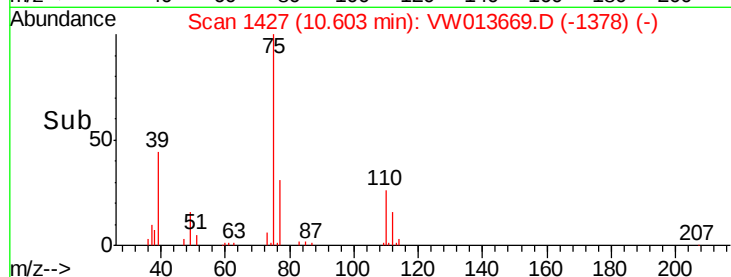
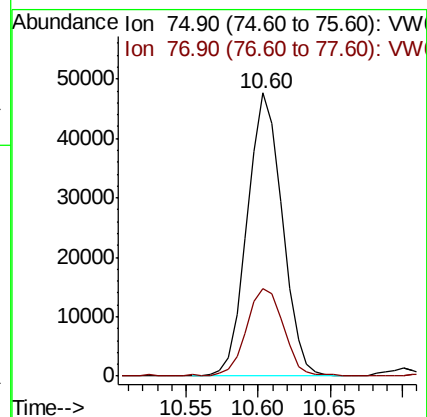
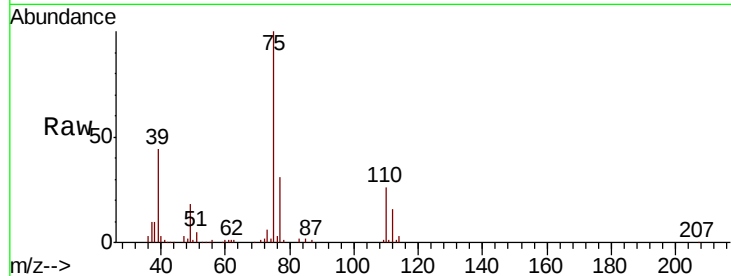
ClientSampled :

Tot Ion: 75 Resp: 80265

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.663 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

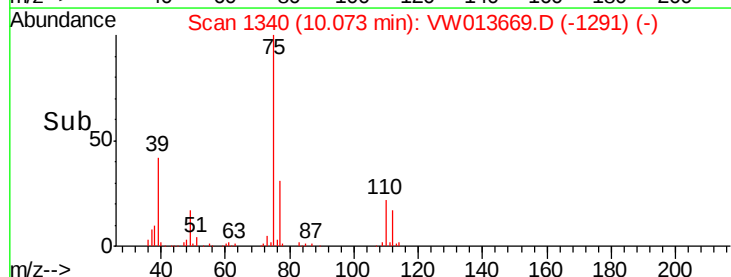
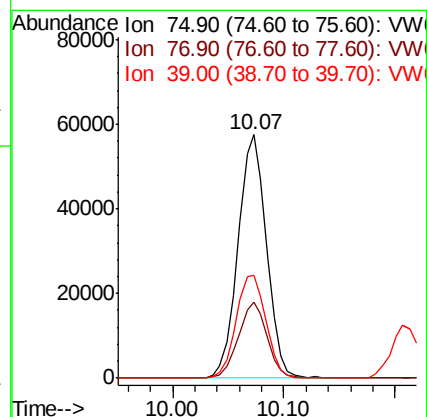
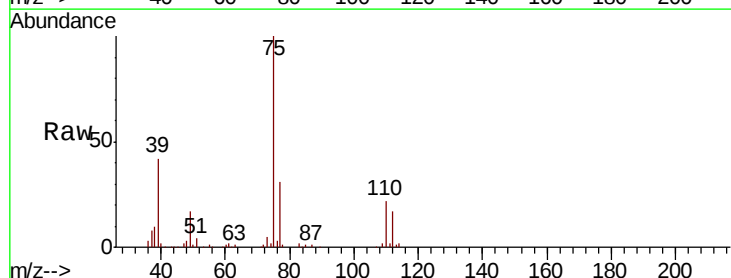
Tgt Ion: 75 Resp: 101416

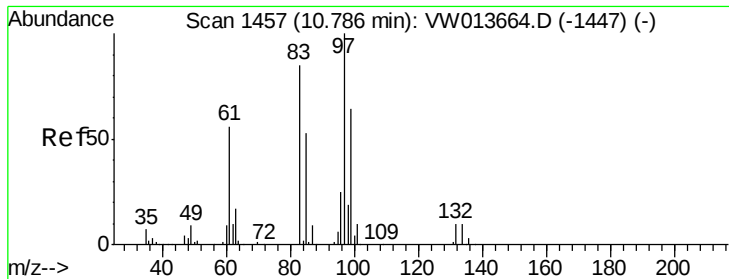
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

39 42.1 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 20.435 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 46253

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.8	101.8
85	55.4	42.1	63.1
99	66.3	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

Time-->

10.79

20000

10000

0

10.70 10.75 10.80 10.85

Abundance

Scan 1457 (10.786 min): VW013669.D (-1408) (-)

Sub 50

m/z-->

37 49 61 83 97 134 207

Abundance

Scan 1434 (10.646 min): VW013664.D (-1420) (-)

Ref 50

m/z-->

41 52 58 69 75 86 99 114

Abundance

Scan 1434 (10.646 min): VW013669.D (-1385) (-)

Raw 50

m/z-->

41 58 69 75 86 99 114

Abundance

Scan 1434 (10.646 min): VW013669.D (-1385) (-)

Sub 50

m/z-->

41 55 69 75 86 99 114

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

Time-->

10.65

50000

40000

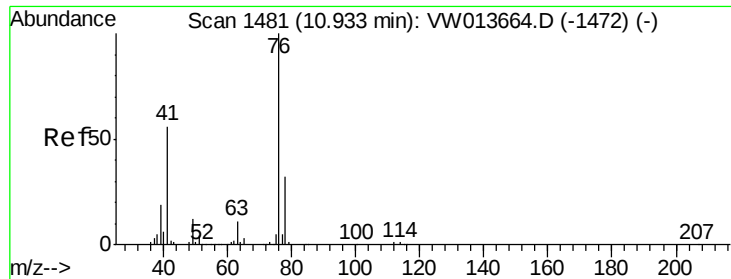
30000

20000

10000

0

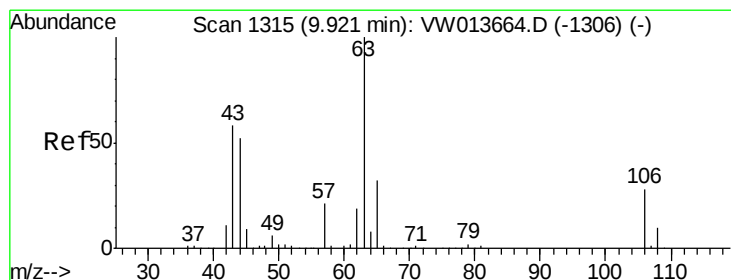
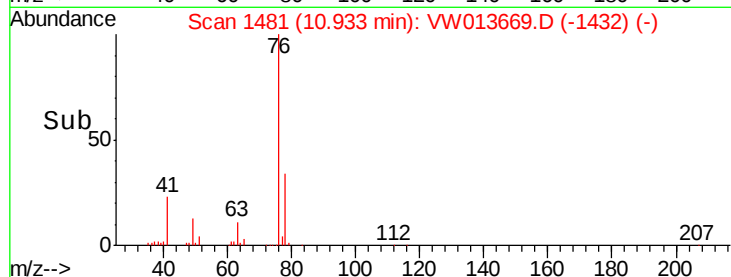
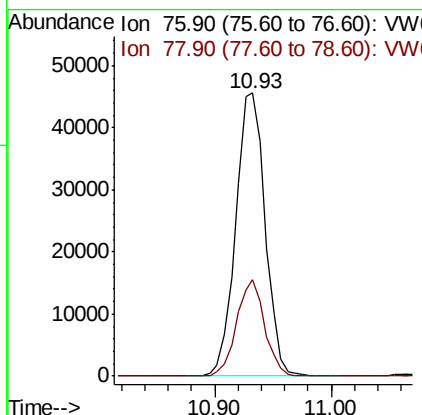
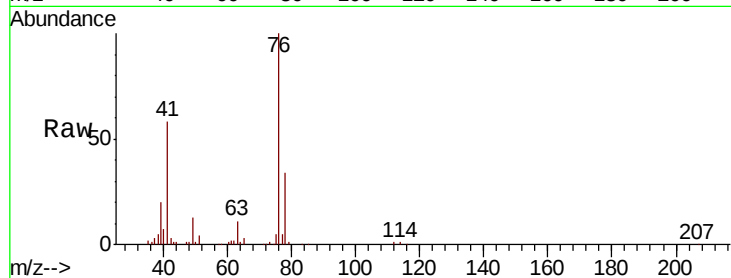
10.60 10.70



#57
 1,3-Dichloropropane
 Concen: 20.662 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

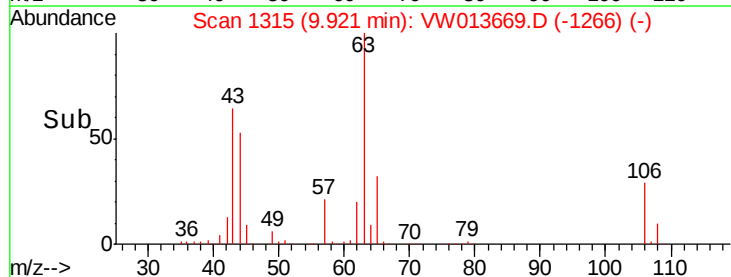
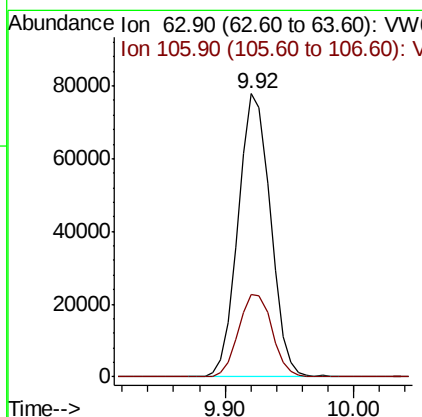
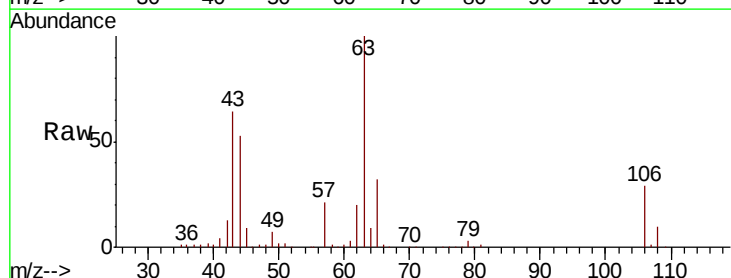
Instrument :
 MSVOA_W
 ClientSampled :

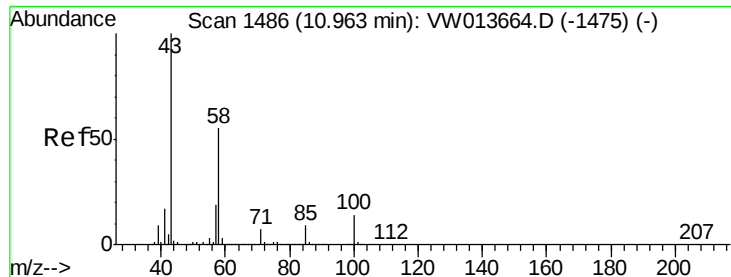
Tot Ion: 76 Resp: 80253
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.037 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Tgt Ion: 63 Resp: 135592
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.8

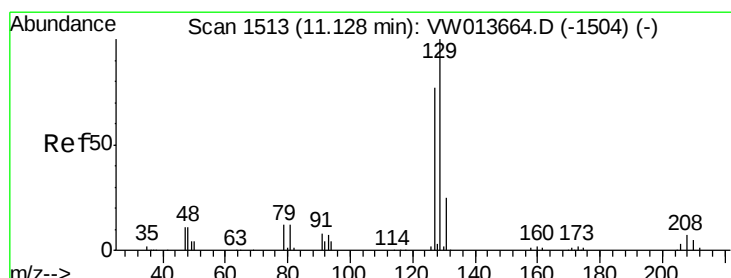
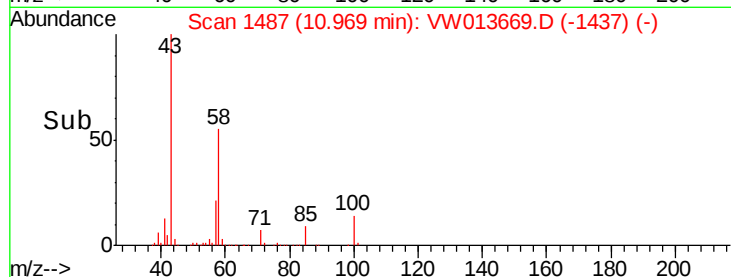
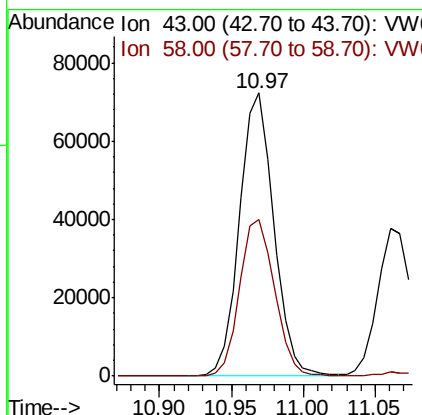
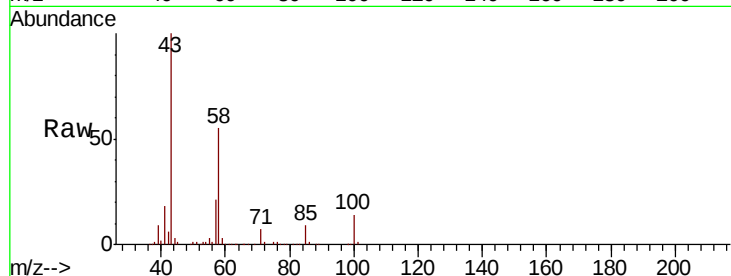




#59
2-Hexanone
Concen: 102.636 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

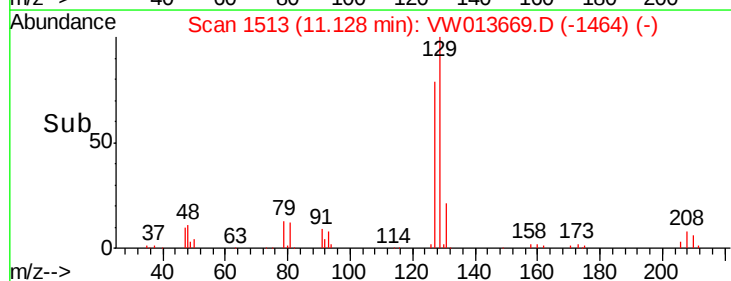
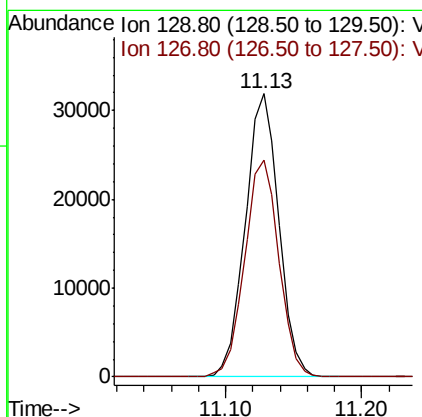
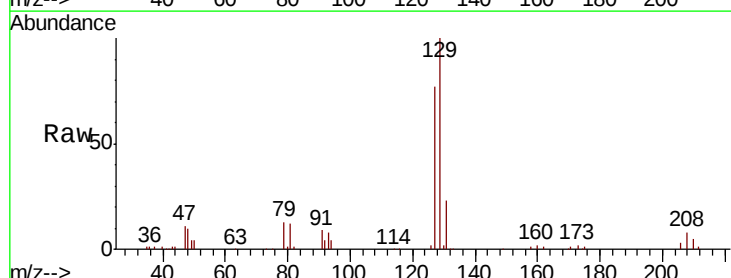
Instrument :
MSVOA_W
ClientSampled :

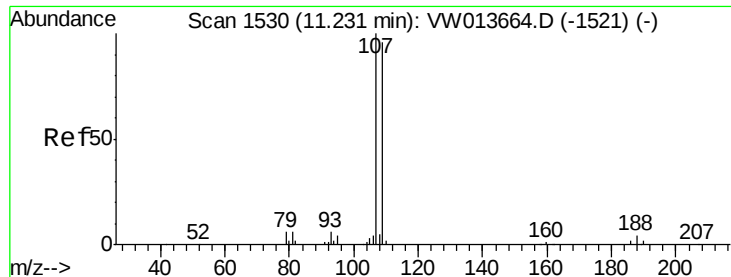
Tot Ion: 43 Resp: 119258
Ion Ratio Lower Upper
43 100
58 56.7 27.9 83.7



#60
Dibromochloromethane
Concen: 20.474 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 129 Resp: 55020
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7

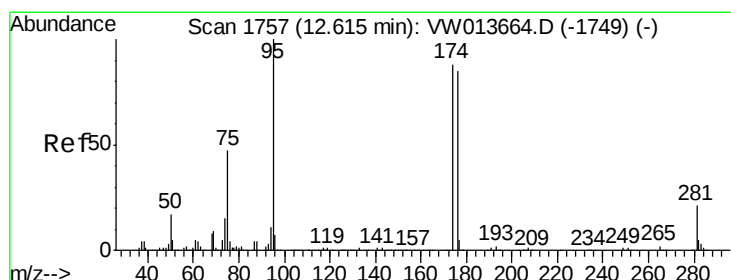
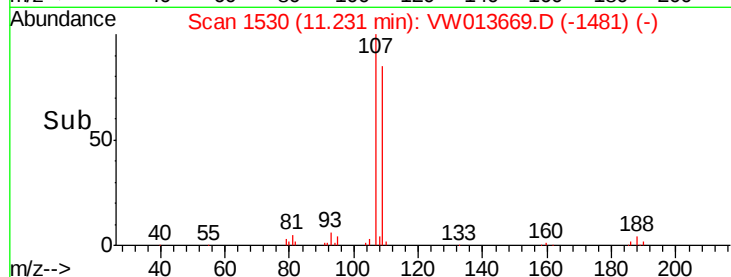
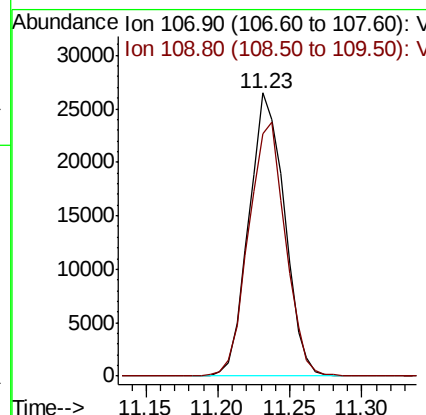
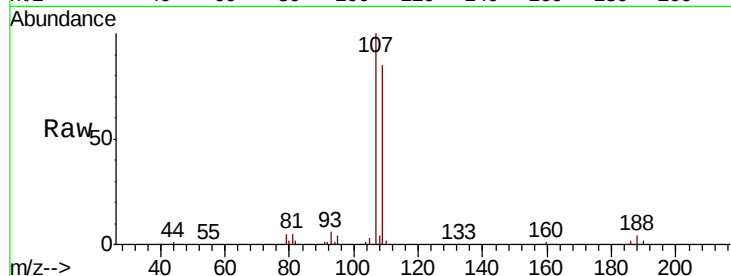




#61
1,2-Dibromoethane
Concen: 21.186 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

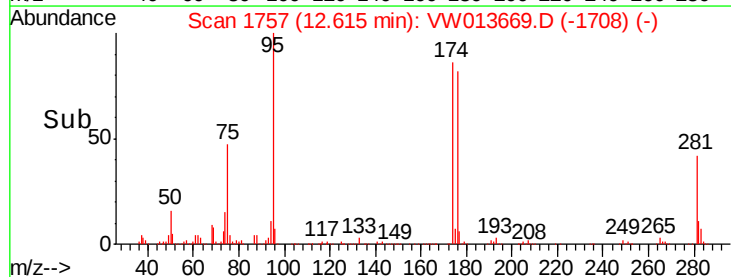
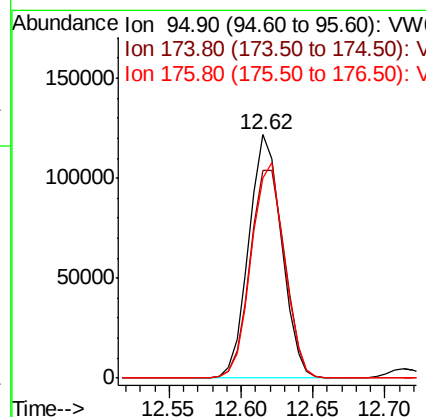
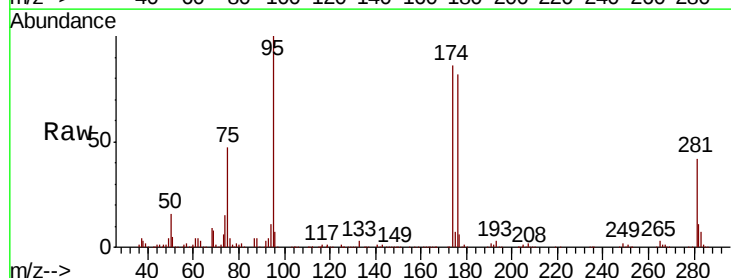
Instrument :
MSVOA_W
ClientSampleId :

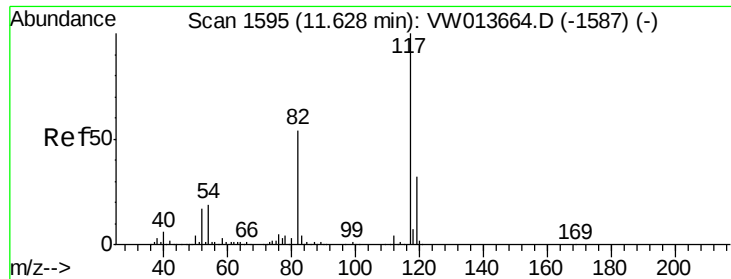
Tot Ion:107 Resp: 45366
Ion Ratio Lower Upper
107 100
109 92.5 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 50.275 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 95 Resp: 191581
Ion Ratio Lower Upper
95 100
174 91.0 0.0 183.6
176 89.4 0.0 178.0

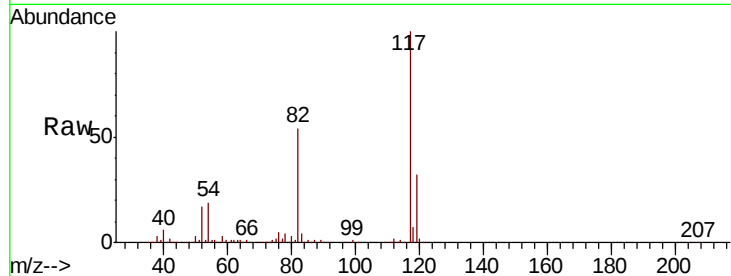




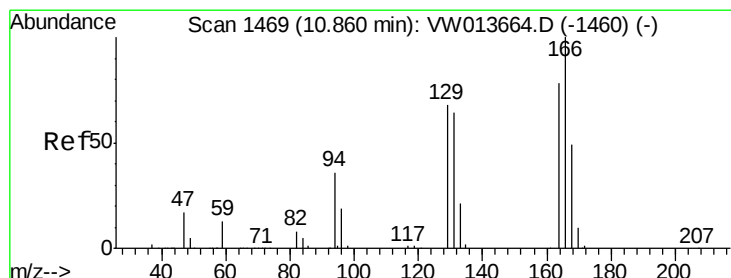
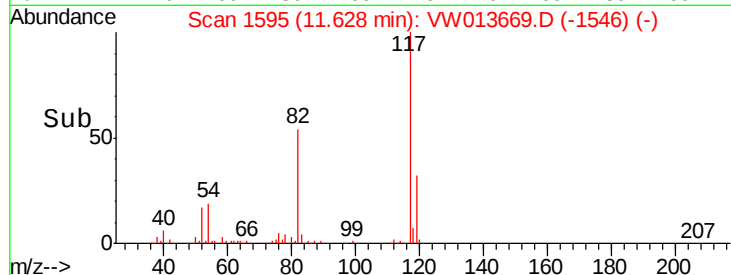
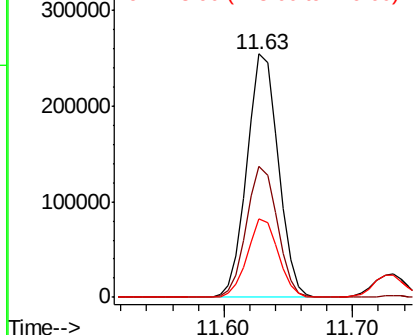
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 428220
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 32.3 25.4 38.2

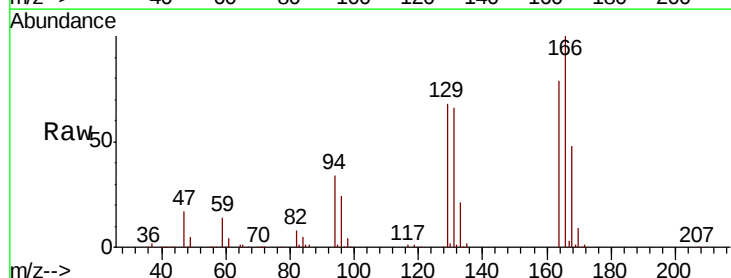


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

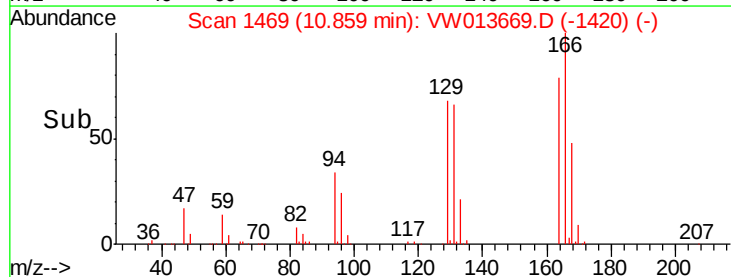
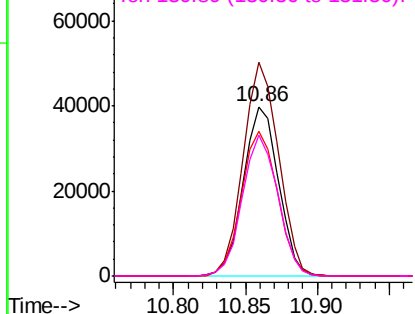


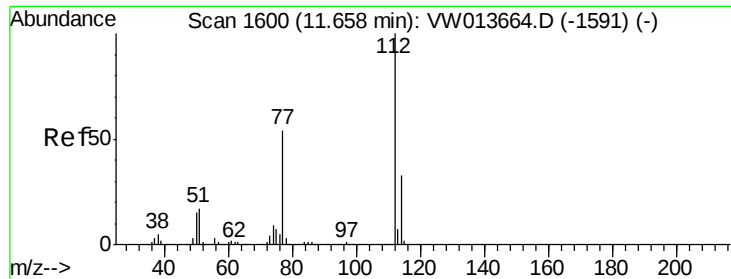
#64
Tetrachloroethene
Concen: 20.538 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion:164 Resp: 67194
Ion Ratio Lower Upper
164 100
166 126.2 103.2 154.8
129 85.3 70.6 105.8
131 82.9 66.0 99.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

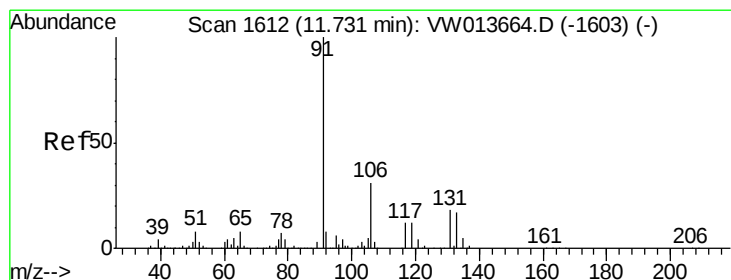
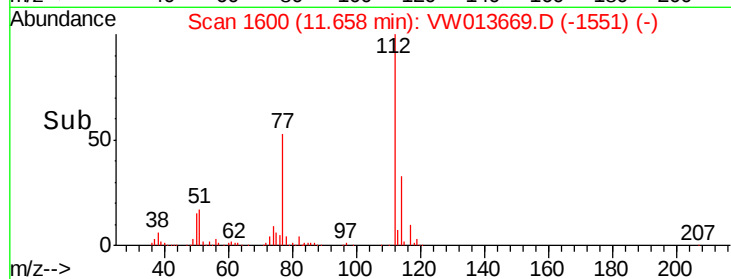
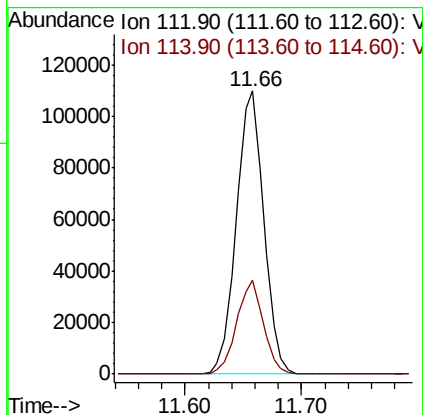
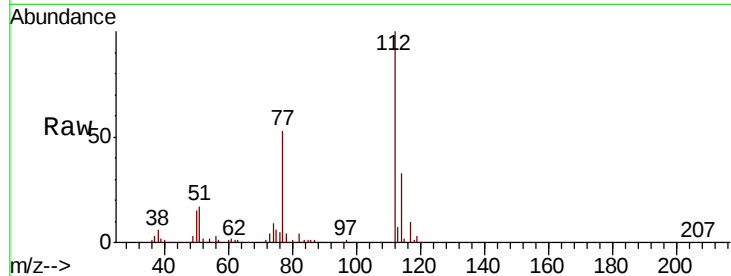




#65
Chlorobenzene
Concen: 20.558 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

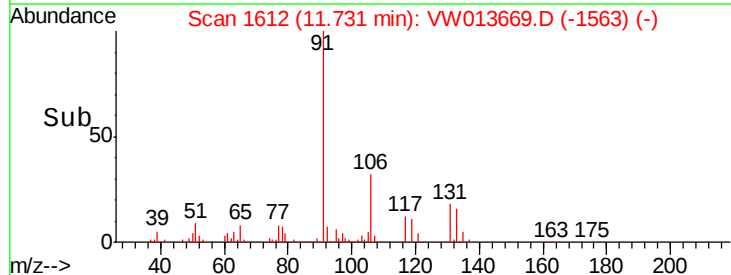
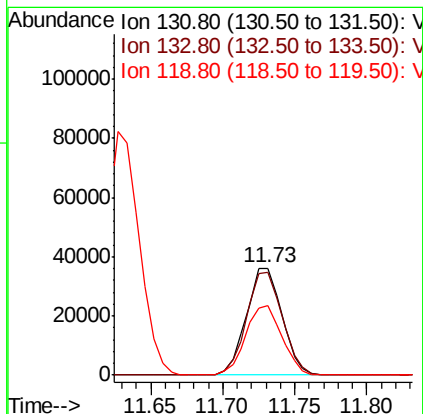
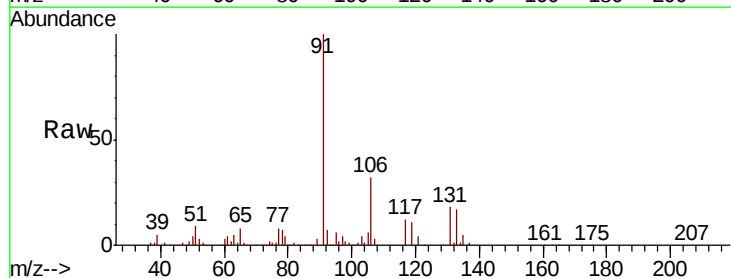
Instrument :
MSVOA_W
ClientSampleId :

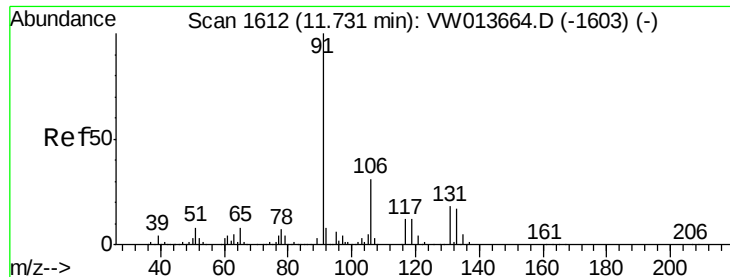
Tot Ion:112 Resp: 180903
Ion Ratio Lower Upper
112 100
114 33.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.167 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion:131 Resp: 61934
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.3
119 66.0 33.1 99.2

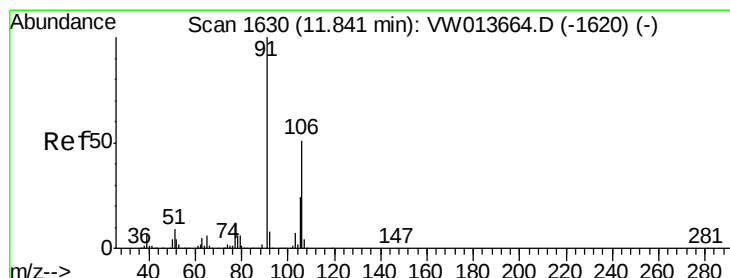
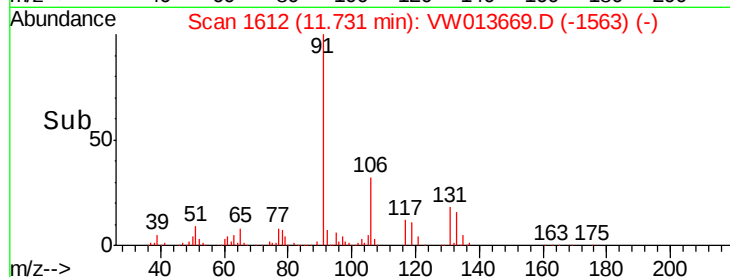
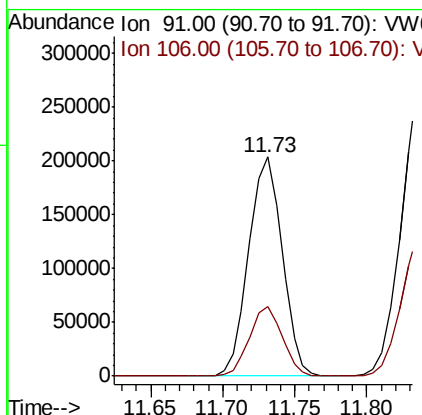
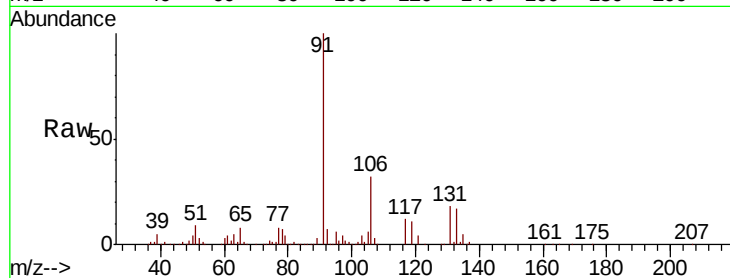




#67
Ethyl Benzene
Concen: 20.679 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

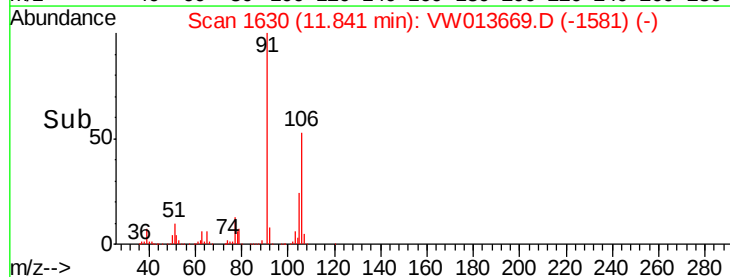
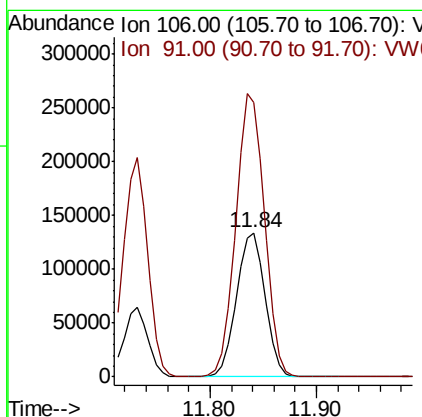
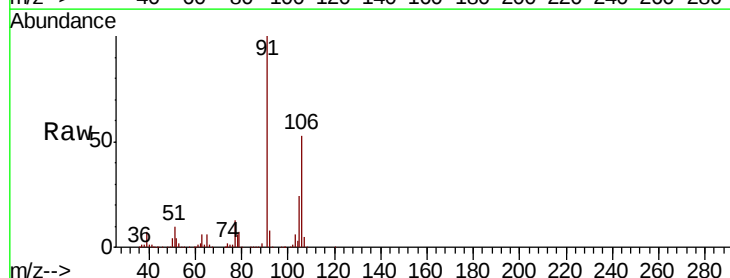
Instrument :
MSVOA_W
ClientSampled :

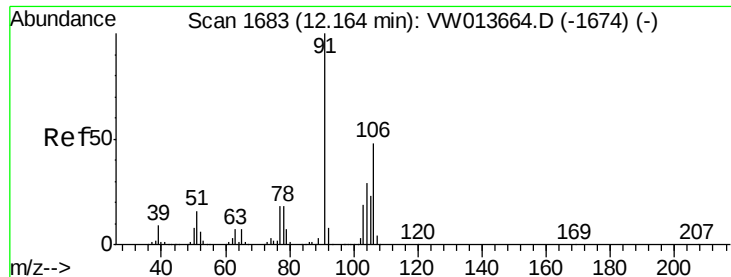
Tot Ion: 91 Resp: 328123
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6



#68
m/p-Xylenes
Concen: 41.216 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 106 Resp: 252670
Ion Ratio Lower Upper
106 100
91 196.8 159.2 238.8

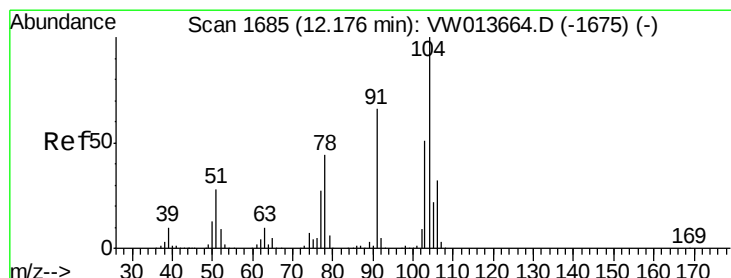
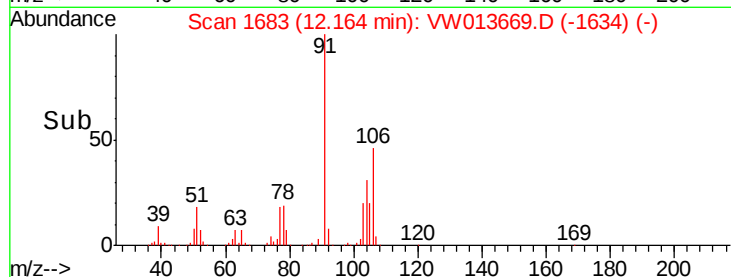
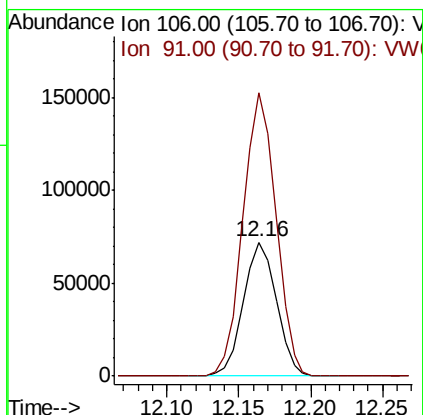
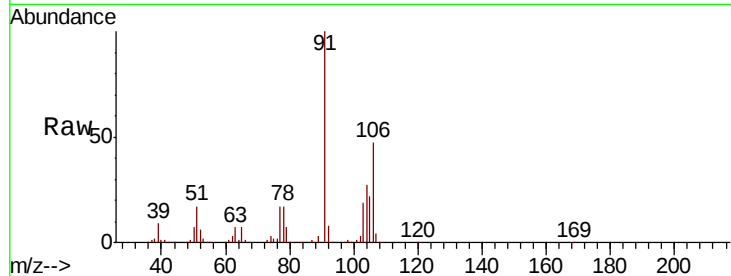




#69
o-Xylene
Concen: 20.286 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

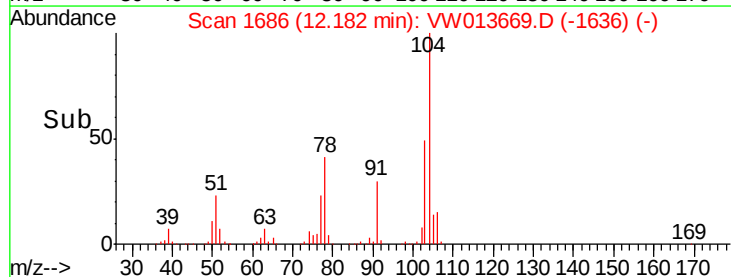
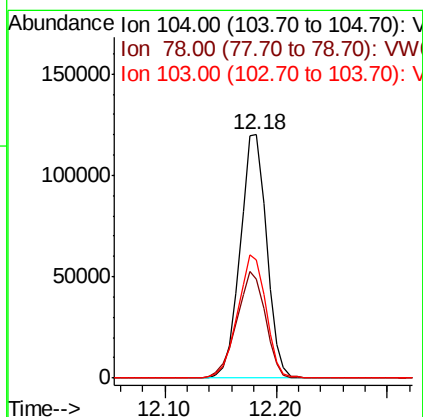
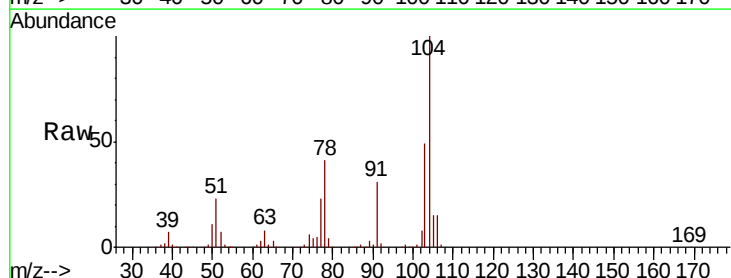
Instrument :
MSVOA_W
ClientSampled :

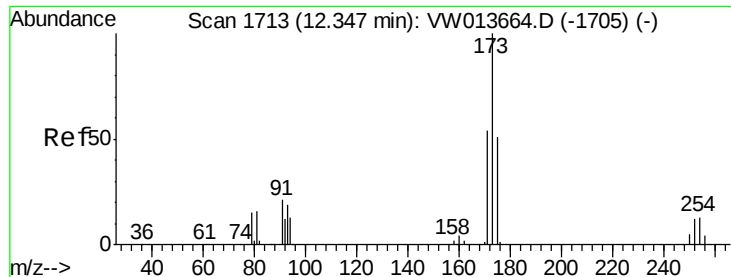
Tot Ion:106 Resp: 114310
Ion Ratio Lower Upper
106 100
91 212.4 104.9 314.7



#70
Styrene
Concen: 20.428 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion:104 Resp: 197767
Ion Ratio Lower Upper
104 100
78 47.2 37.1 55.7
103 54.0 43.6 65.4





#71

Bromoform

Concen: 20.646 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

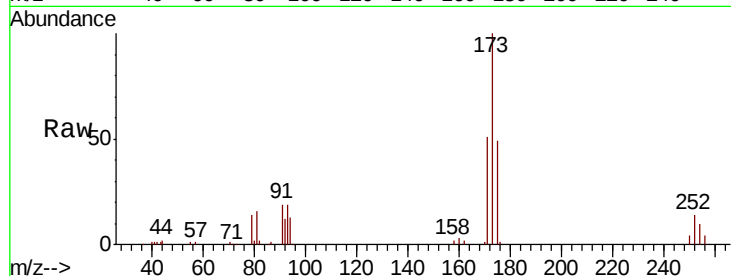
Tot Ion:173 Resp: 33273

Ion Ratio Lower Upper

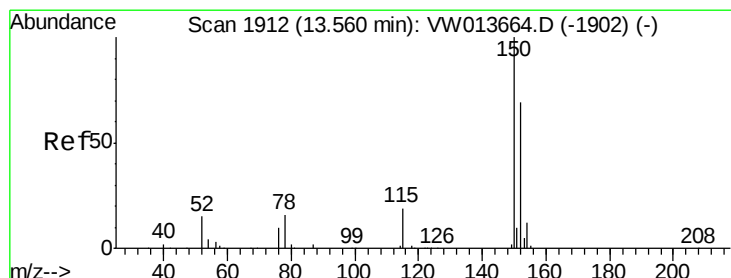
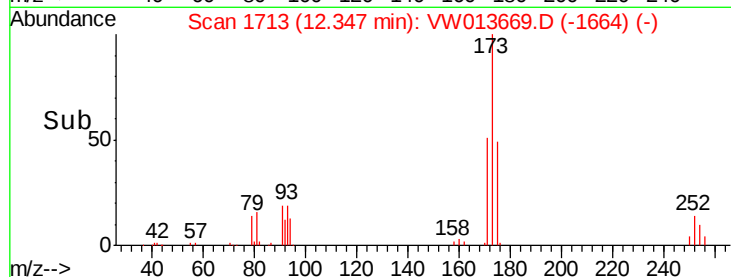
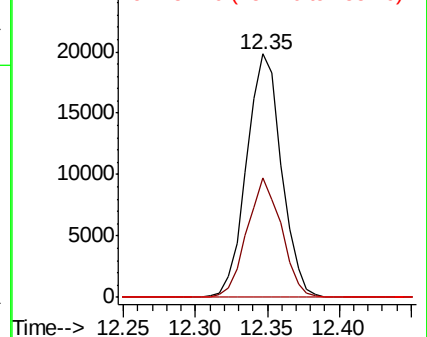
173 100

175 48.1 25.2 75.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

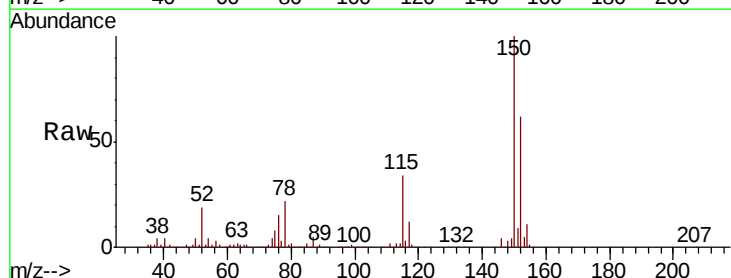
Tgt Ion:152 Resp: 215841

Ion Ratio Lower Upper

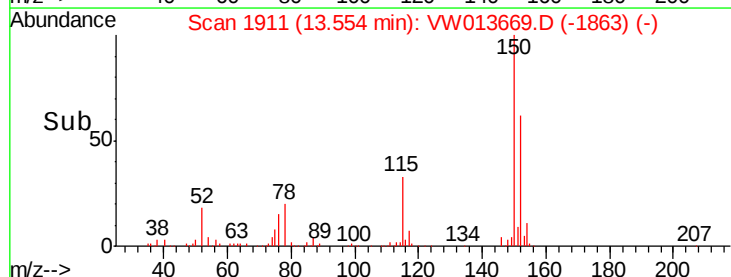
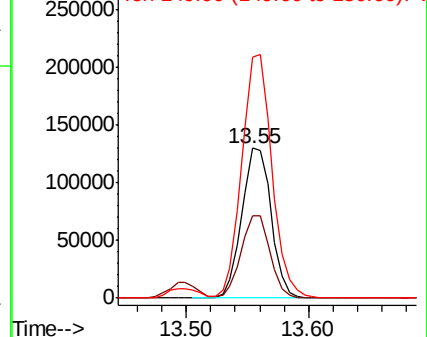
152 100

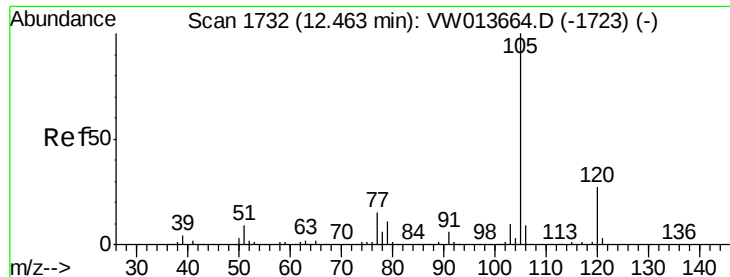
115 54.4 27.4 82.2

150 166.7 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.858 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

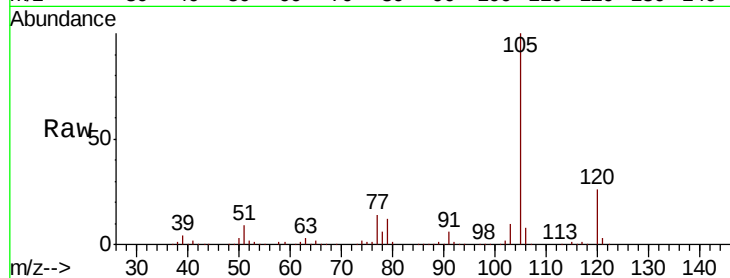
ClientSampleId :

Tot Ion:105 Resp: 323307

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

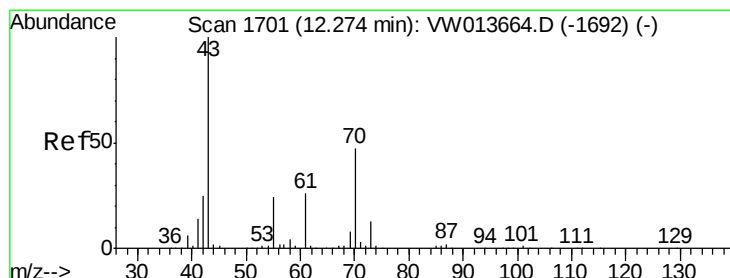
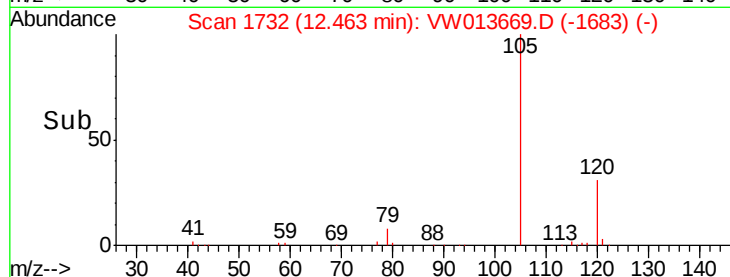
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.383 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Tgt Ion: 43 Resp: 64114

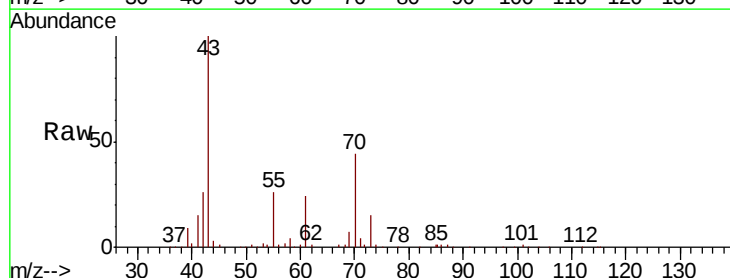
Ion Ratio Lower Upper

43 100

70 44.6 36.6 55.0

55 26.3 20.3 30.5

61 25.4 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

50000

40000

30000

20000

10000

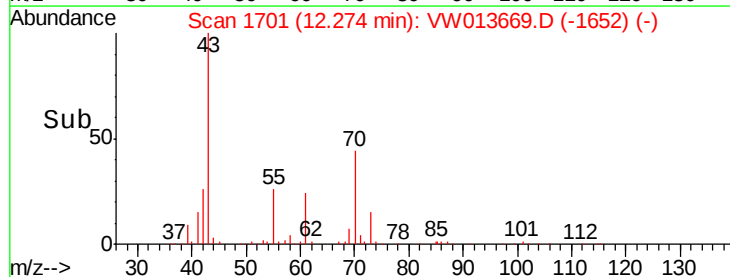
0

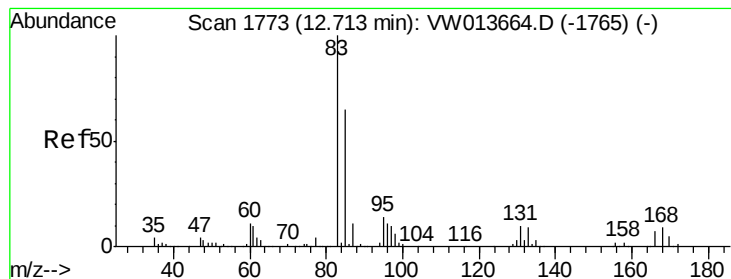
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.995 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampled :

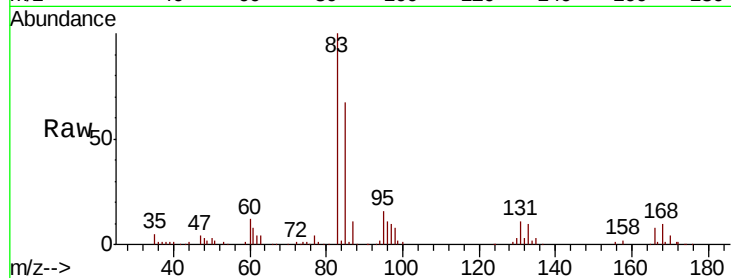
Tot Ion: 83 Resp: 51354

Ion Ratio Lower Upper

83 100

131 11.8 5.7 17.1

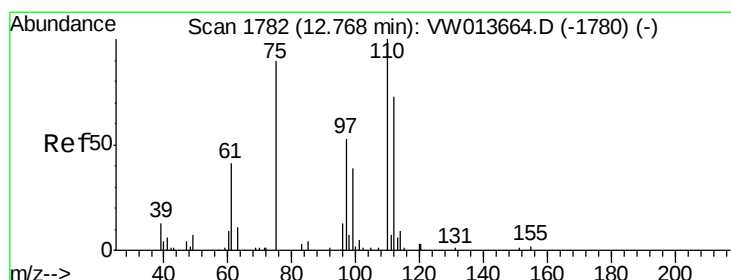
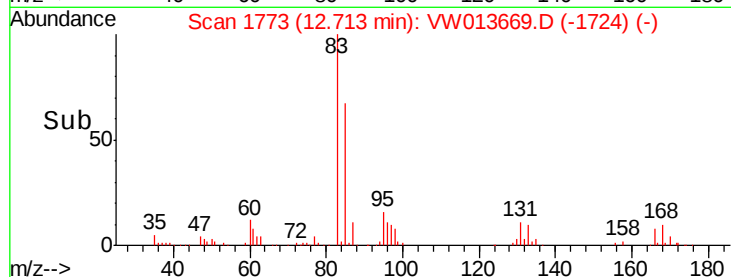
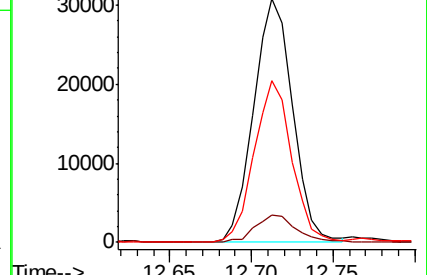
85 63.7 32.5 97.4



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: 42.043 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013669.D

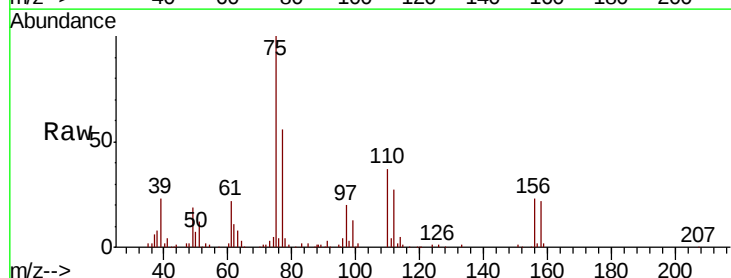
Acq: 23 Oct 2019 16:13

Tgt Ion: 75 Resp: 65169

Ion Ratio Lower Upper

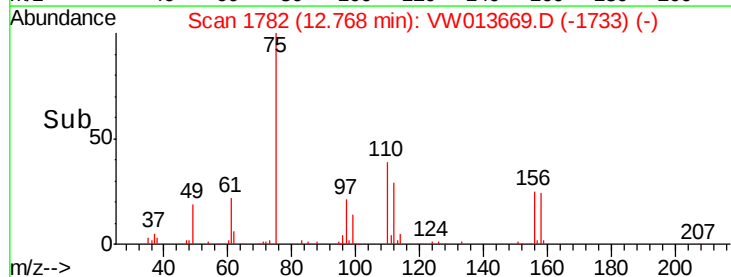
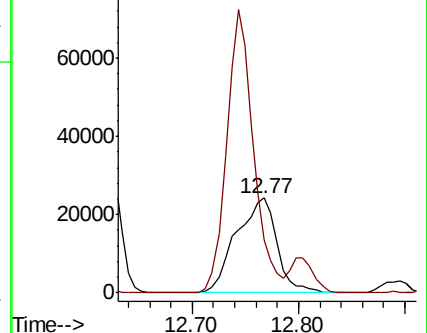
75 100

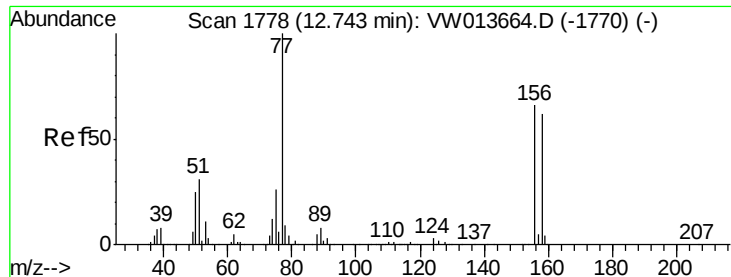
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.896 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

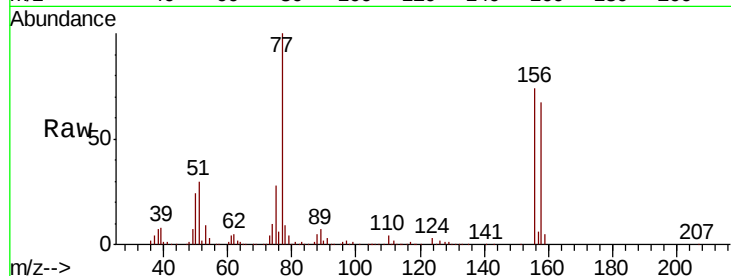
Tot Ion:156 Resp: 77372

Ion Ratio Lower Upper

156 100

77 165.1 82.9 248.7

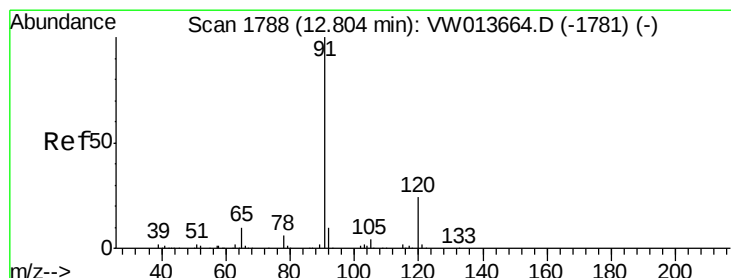
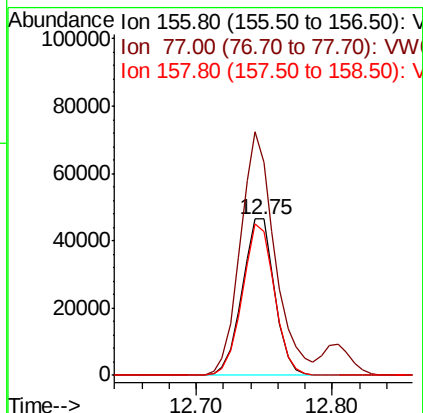
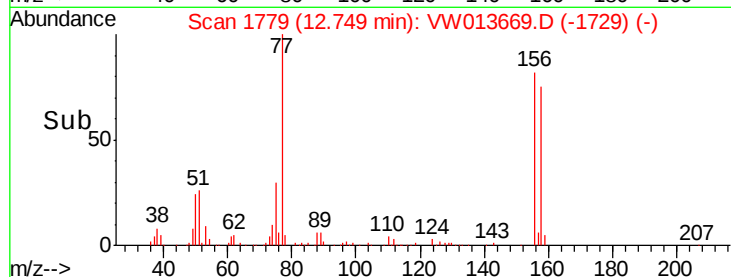
158 95.4 48.4 145.2



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: 21.150 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013669.D

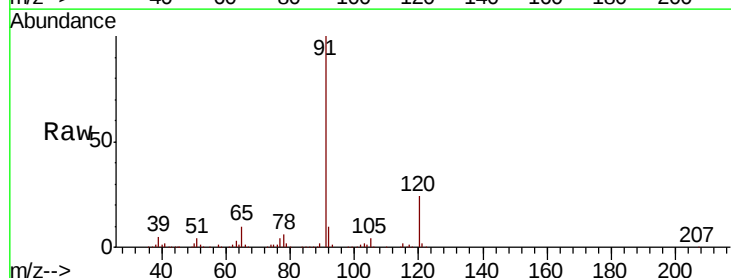
Acq: 23 Oct 2019 16:13

Tgt Ion: 91 Resp: 379440

Ion Ratio Lower Upper

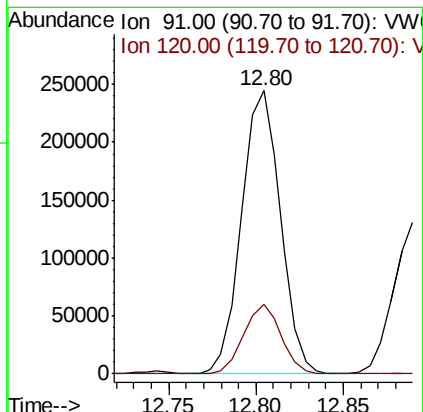
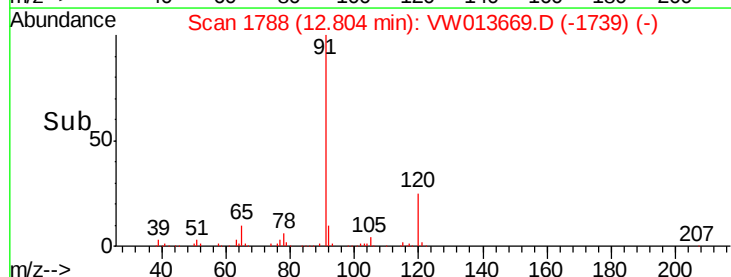
91 100

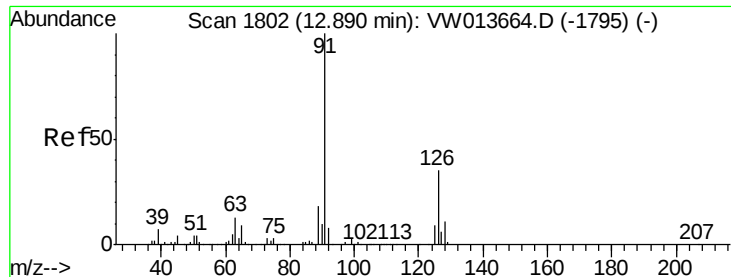
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.719 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

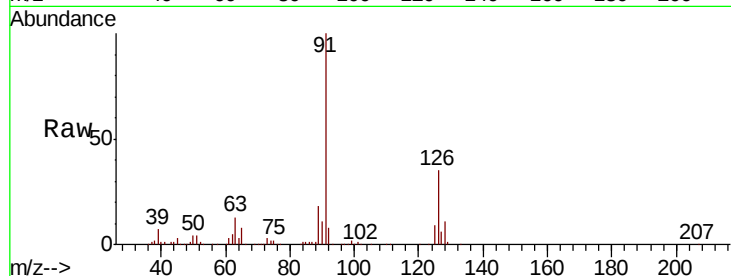
ClientSampleId :

Tot Ion: 91 Resp: 208886

Ion Ratio Lower Upper

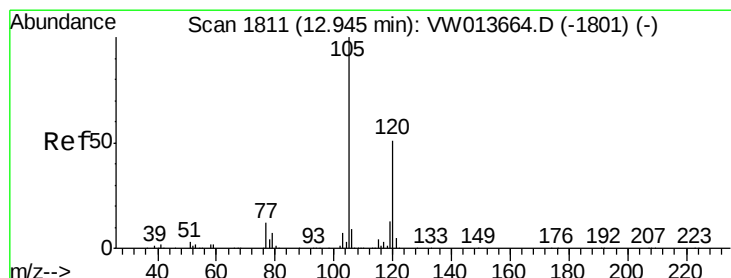
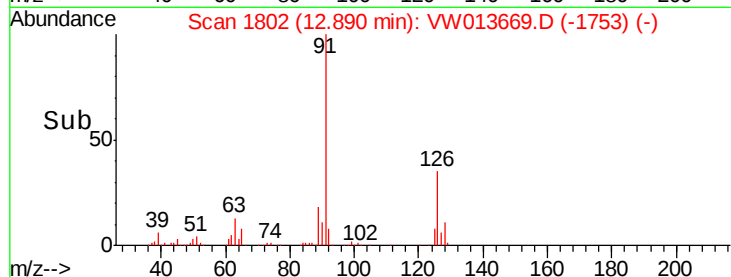
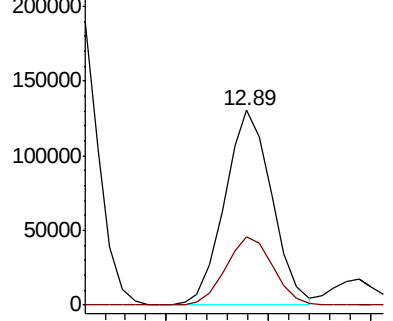
91 100

126 35.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.025 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013669.D

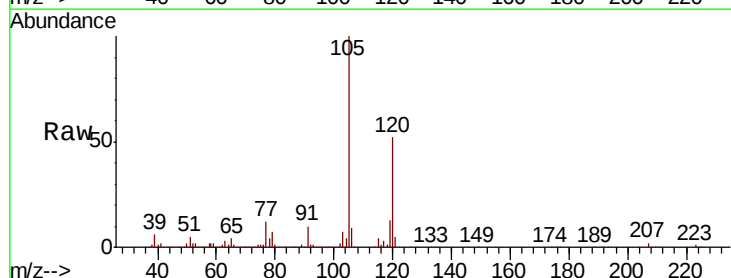
Acq: 23 Oct 2019 16:13

Tgt Ion:105 Resp: 275112

Ion Ratio Lower Upper

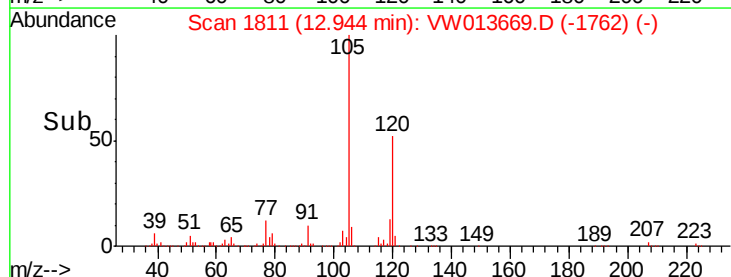
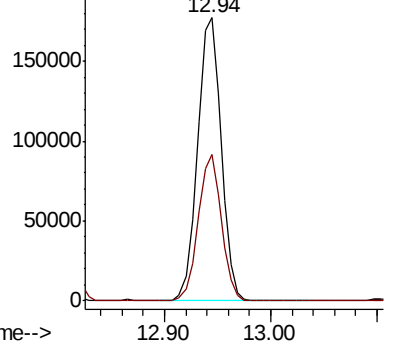
105 100

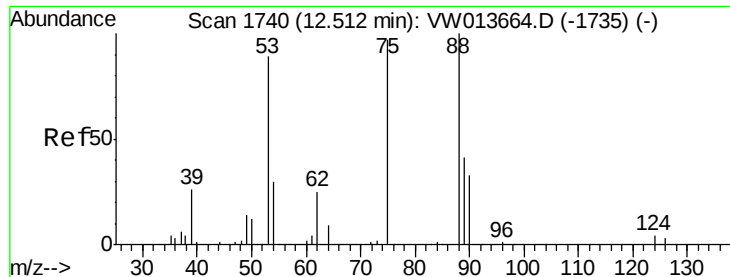
120 50.7 25.1 75.3



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: 20.044 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampled :

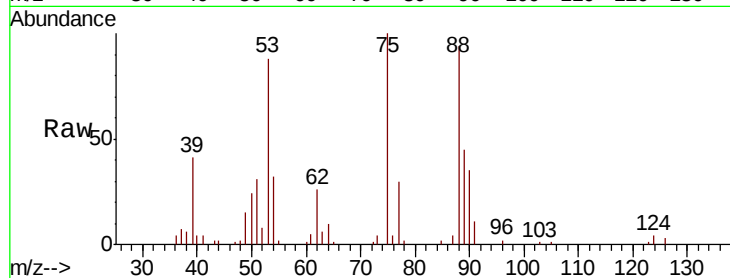
Tot Ion: 75 Resp: 16440

Ion Ratio Lower Upper

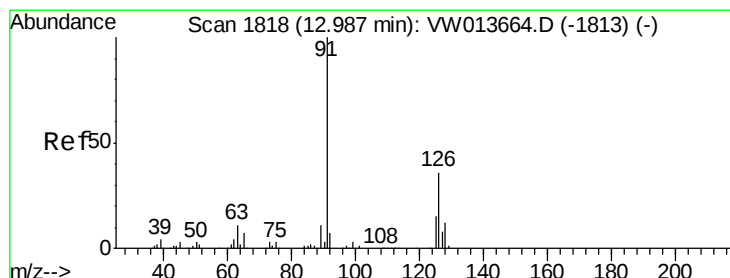
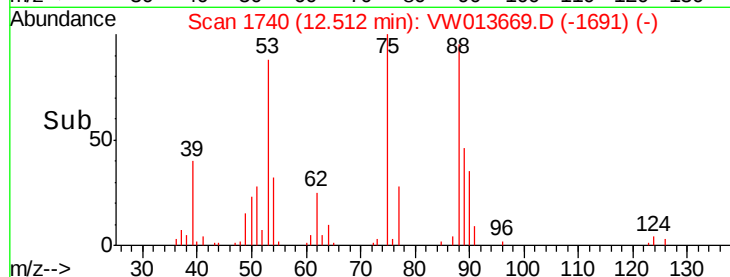
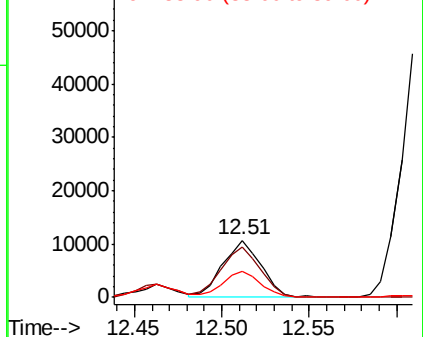
75 100

53 91.3 71.7 107.5

89 43.8 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: 20.964 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013669.D

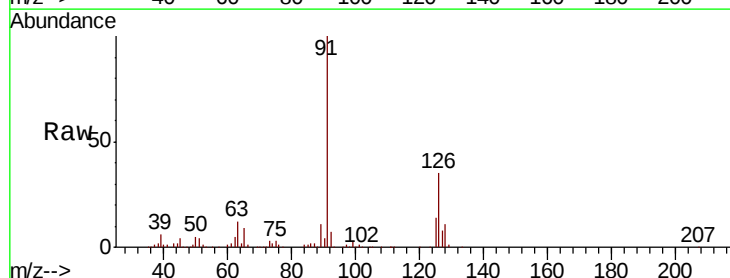
Acq: 23 Oct 2019 16:13

Tgt Ion: 91 Resp: 221899

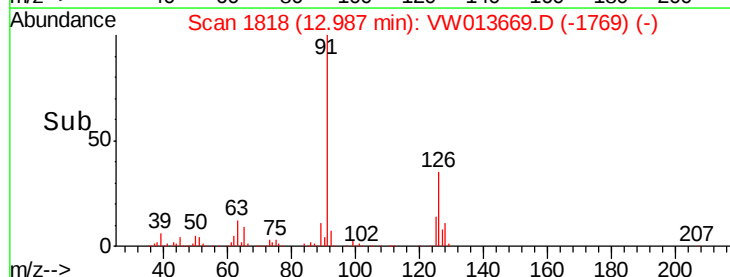
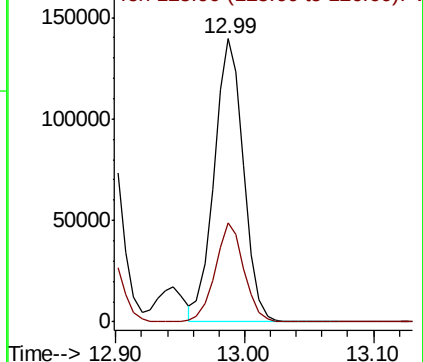
Ion Ratio Lower Upper

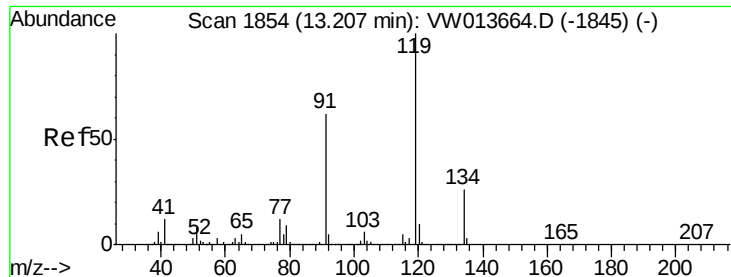
91 100

126 34.3 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

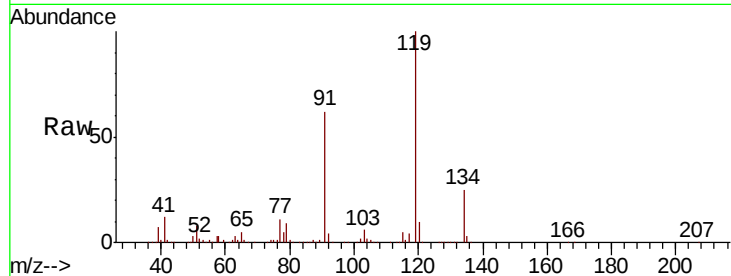




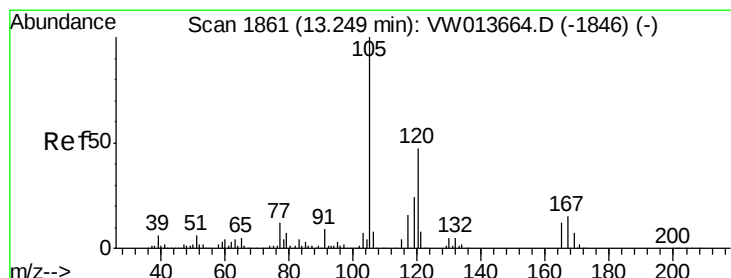
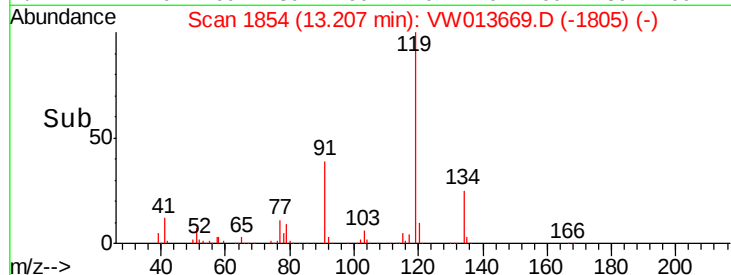
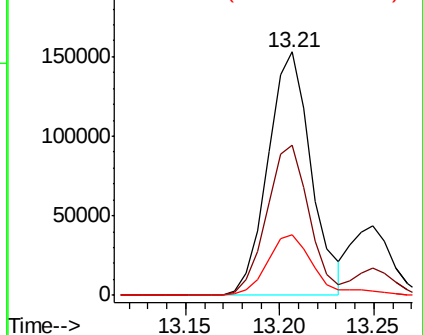
#83
tert-Butylbenzene
Concen: 20.962 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 243466
Ion Ratio Lower Upper
119 100
91 60.6 30.4 91.3
134 27.2 13.6 40.8

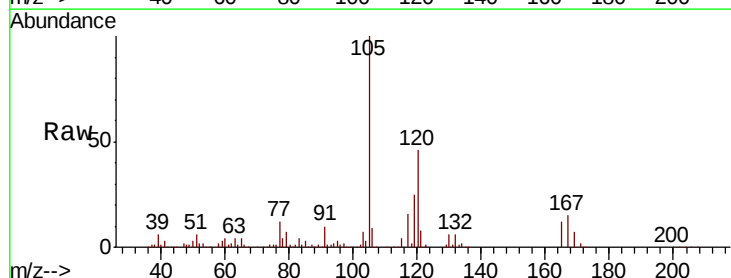


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

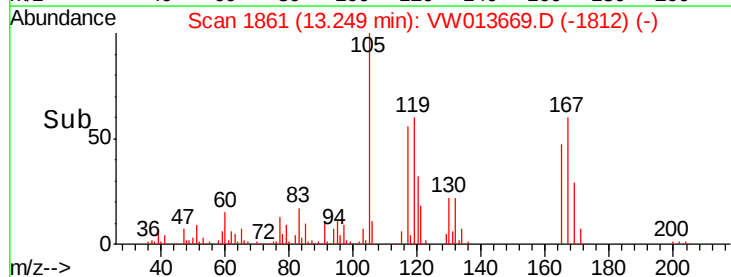
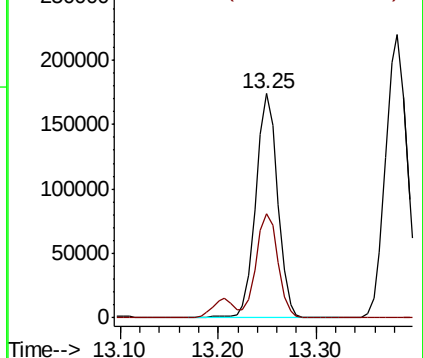


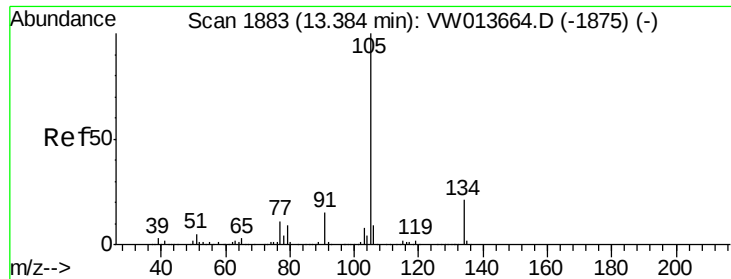
#84
1,2,4-Trimethylbenzene
Concen: 20.915 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion:105 Resp: 269964
Ion Ratio Lower Upper
105 100
120 46.0 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: 21.175 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

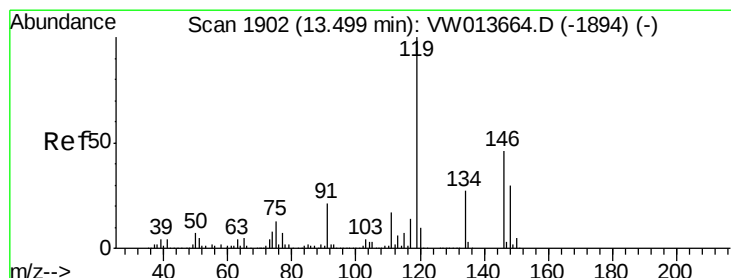
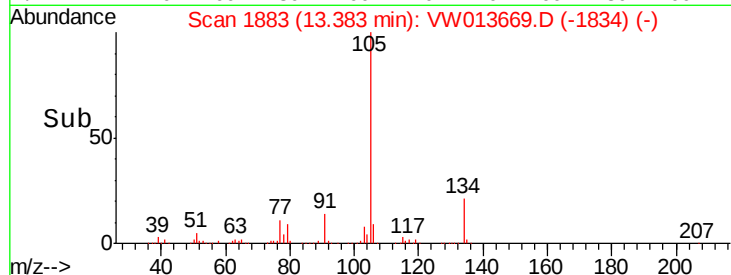
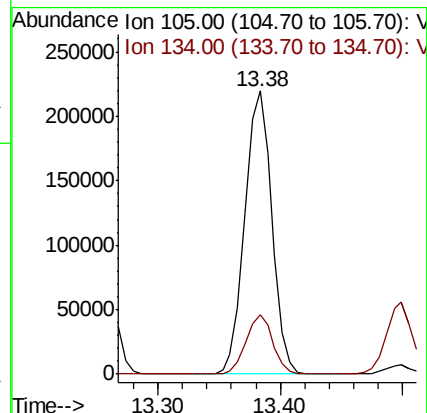
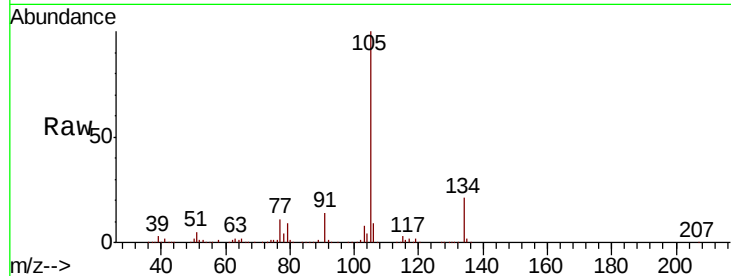
ClientSampleId :

Tot Ion:105 Resp: 336315

Ion Ratio Lower Upper

105 100

134 20.6 10.5 31.5



#86

p-Isopropyltoluene

Concen: 21.155 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

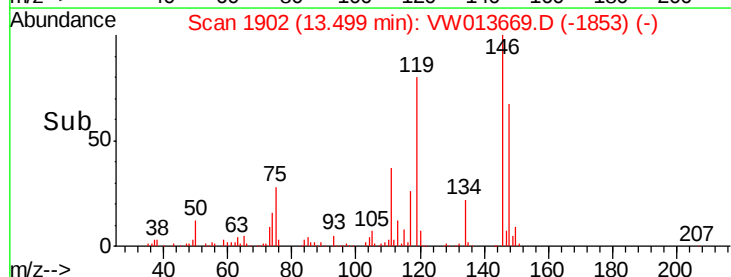
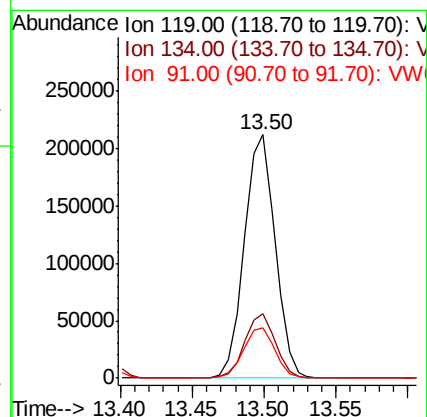
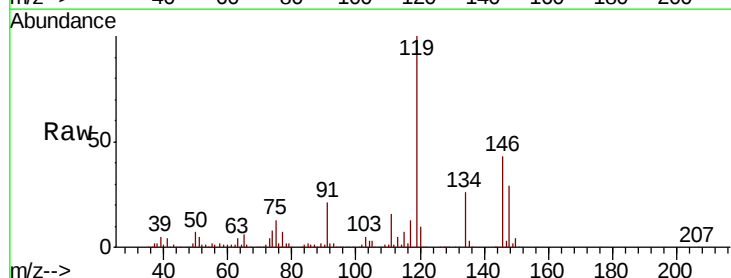
Tgt Ion:119 Resp: 312977

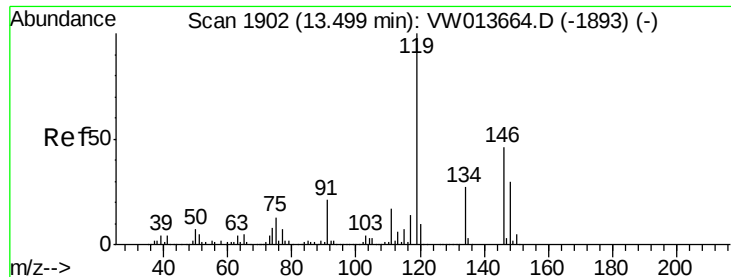
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 21.1 10.8 32.3

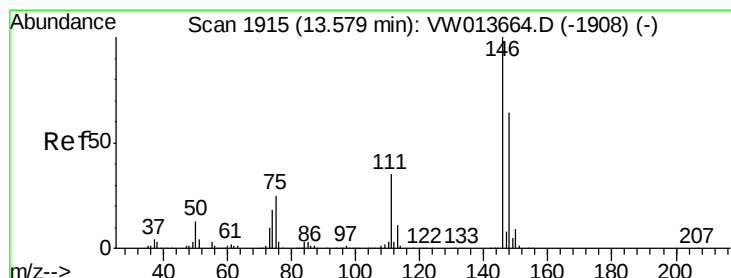
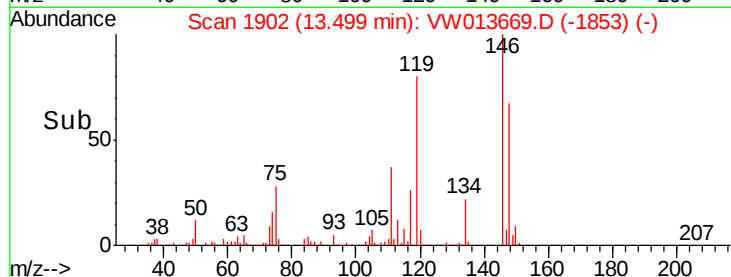
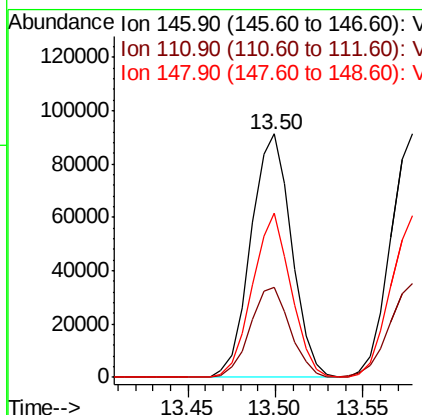
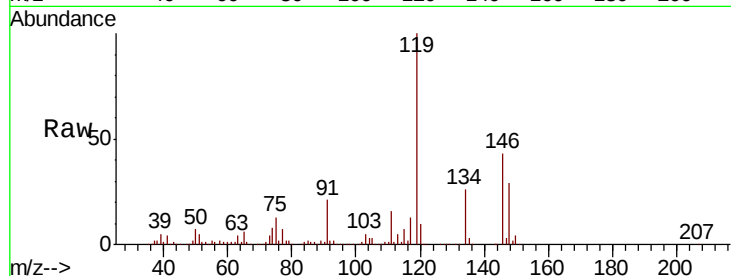




#87
 1,3-Dichlorobenzene
 Concen: 20.614 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

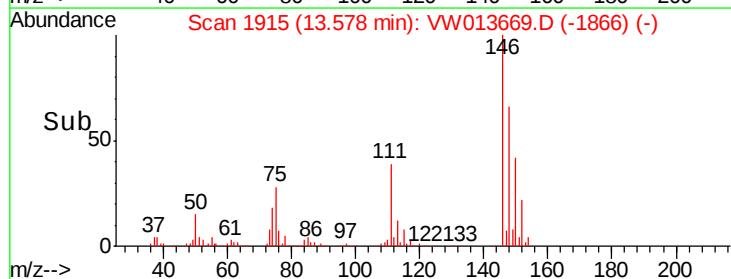
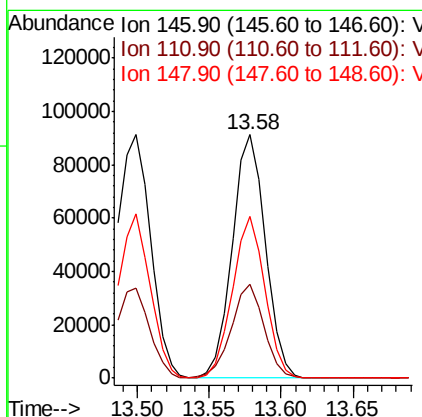
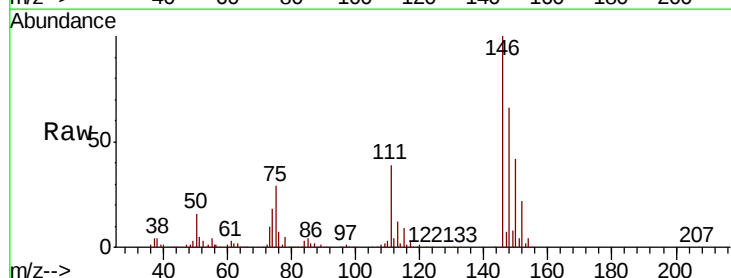
Instrument :
 MSVOA_W
 ClientSampleId :

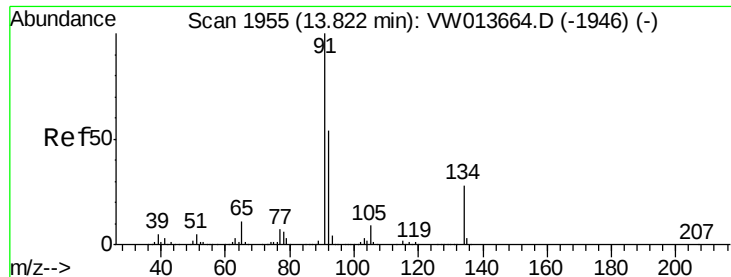
Tot Ion:146 Resp: 147889
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 56.0
 148 64.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.572 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Tgt Ion:146 Resp: 146620
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.1 54.3
 148 64.9 32.0 96.2





#89

n-Butylbenzene

Concen: 20.941 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampled :

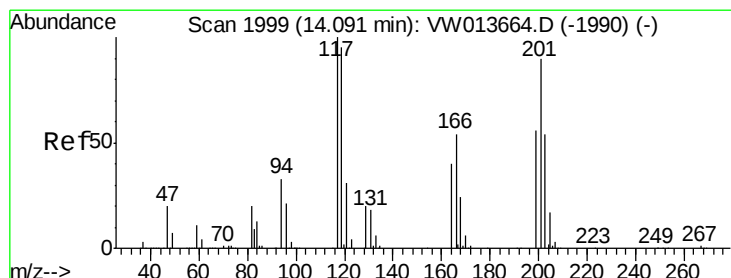
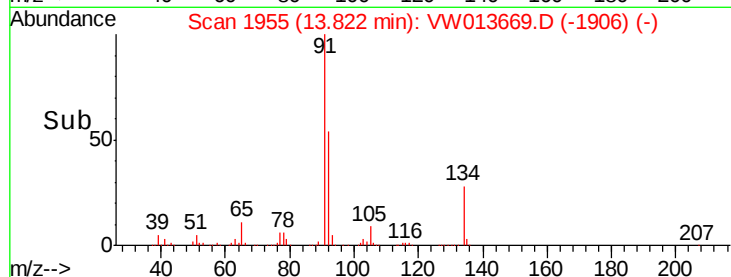
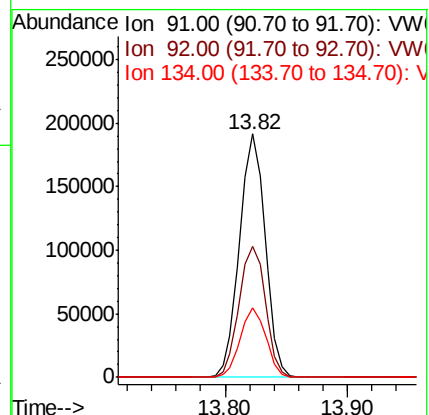
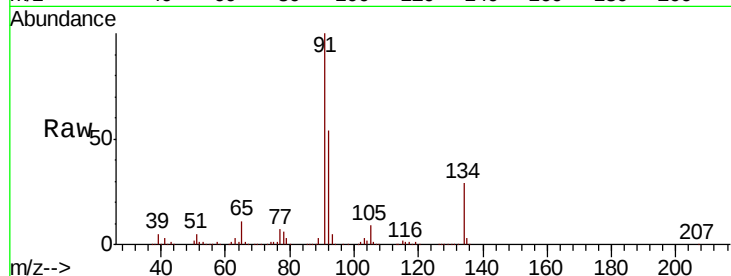
Tot Ion: 91 Resp: 279646

Ion Ratio Lower Upper

91 100

92 55.2 27.5 82.4

134 28.4 14.0 41.9



#90

Hexachloroethane

Concen: 20.574 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013669.D

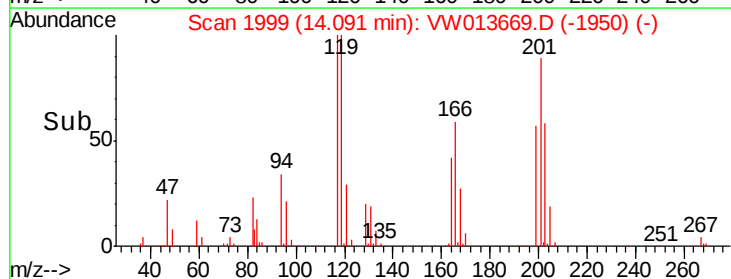
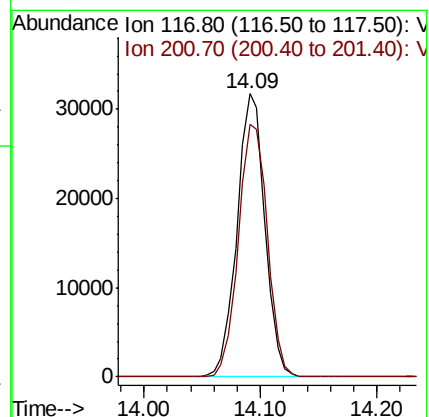
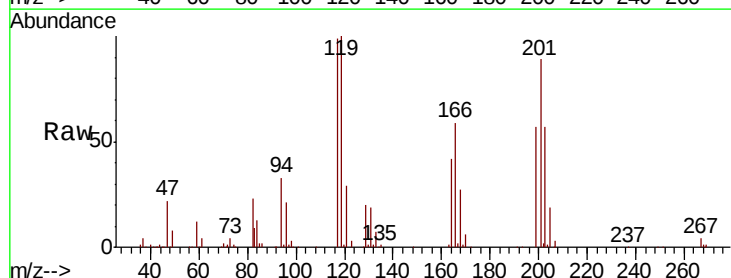
Acq: 23 Oct 2019 16:13

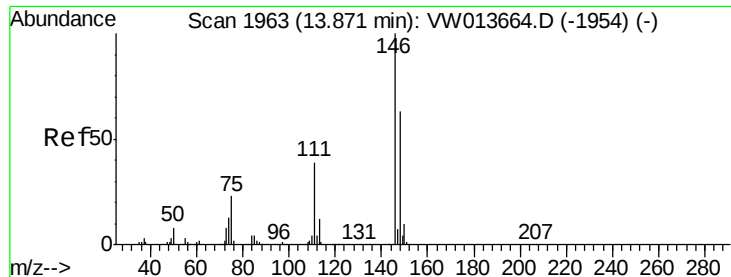
Tgt Ion: 117 Resp: 52908

Ion Ratio Lower Upper

117 100

201 92.9 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 20.478 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

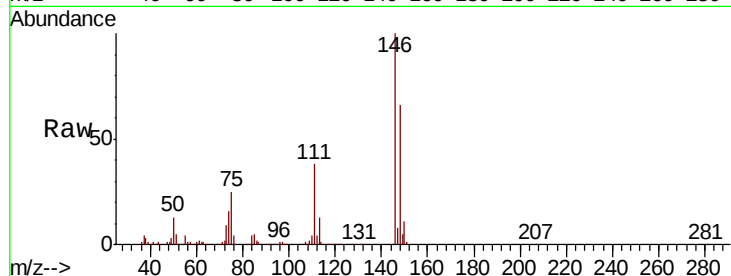
Tot Ion:146 Resp: 127384

Ion Ratio Lower Upper

146 100

111 39.1 19.9 59.6

148 65.5 31.9 95.9

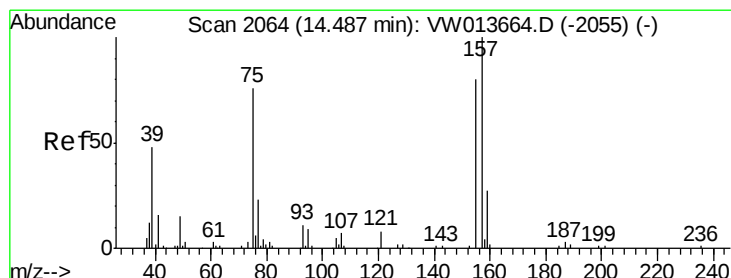
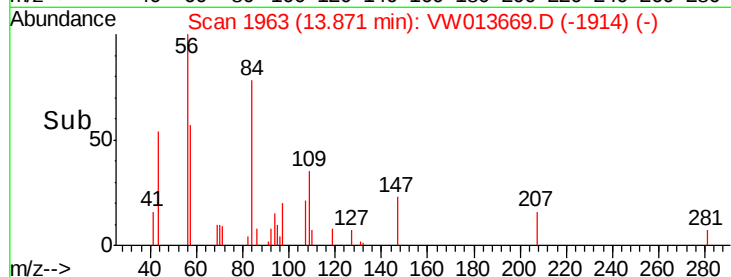
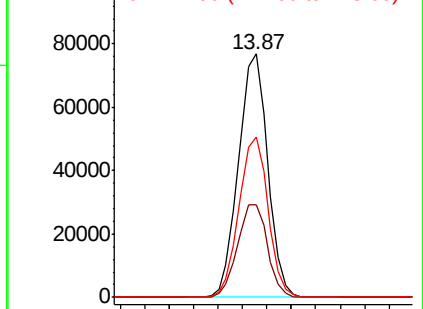


Abundance

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: 22.397 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

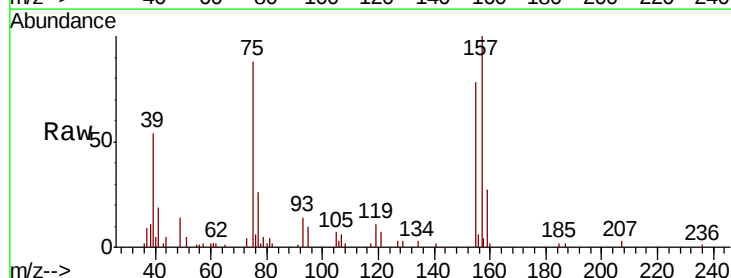
Tgt Ion: 75 Resp: 8284

Ion Ratio Lower Upper

75 100

155 93.1 51.9 155.7

157 122.8 64.8 194.3

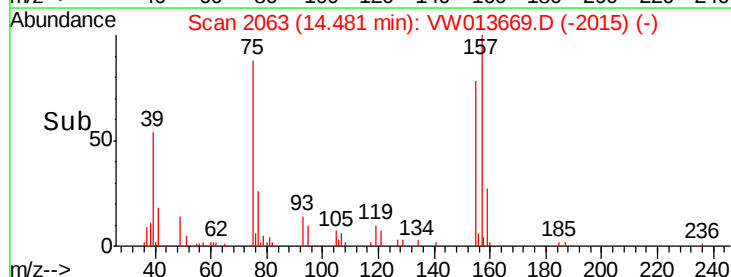
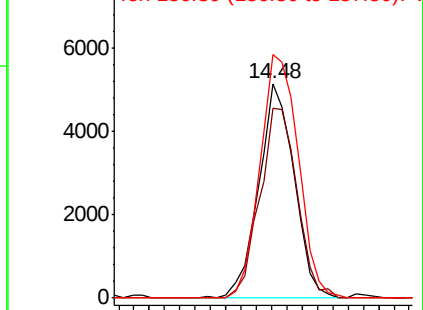


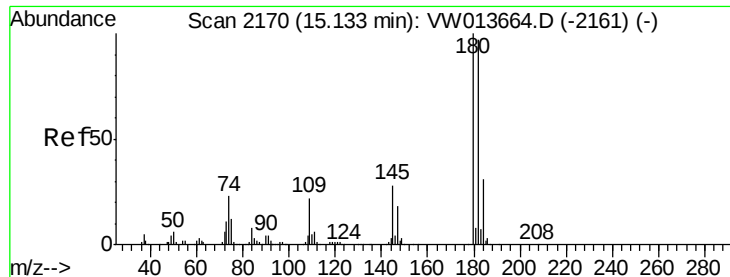
Abundance

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

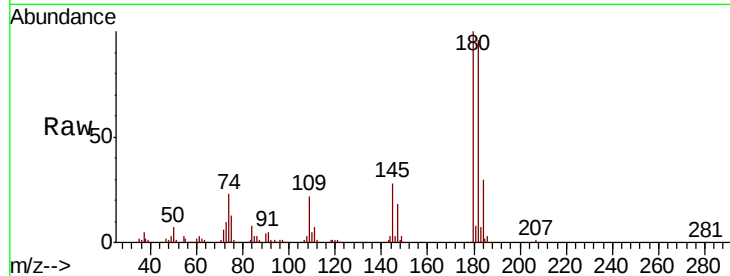




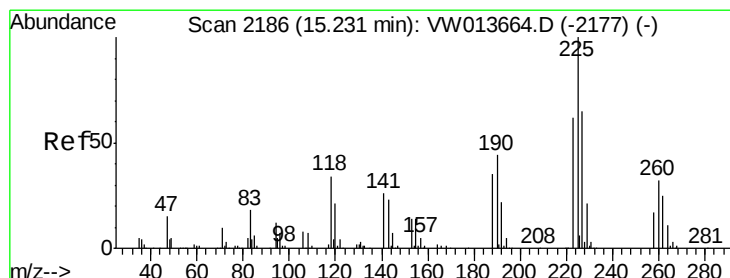
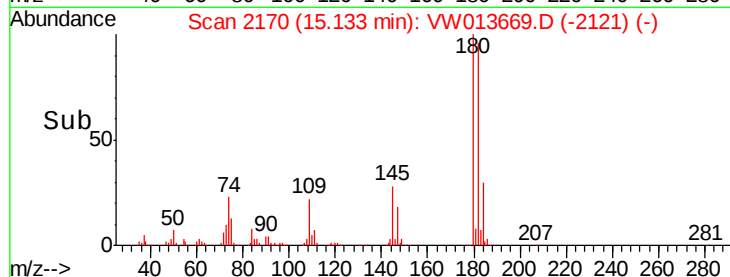
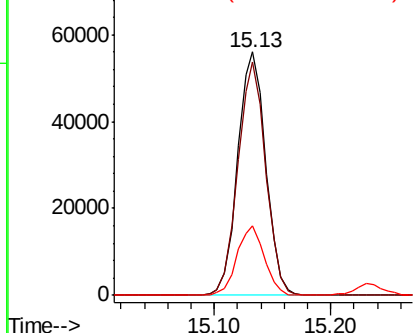
#93
 1,2,4-Trichlorobenzene
 Concen: 20.724 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 93819
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.4 142.2
 145 28.0 14.1 42.3

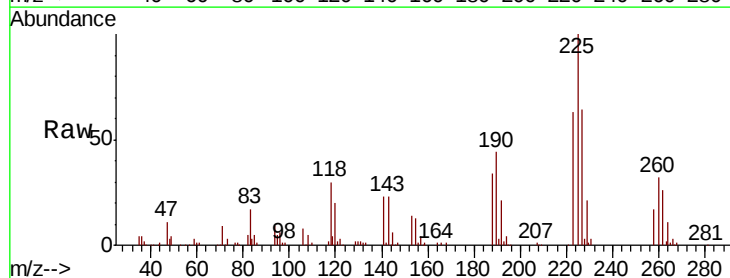


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

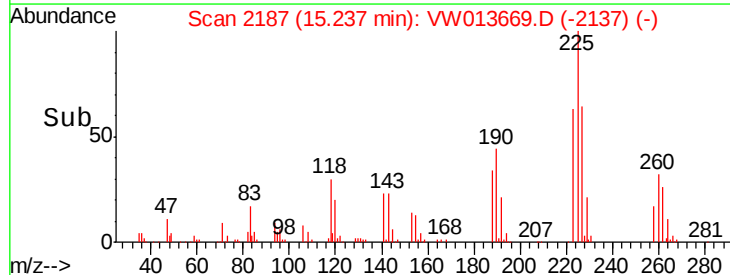
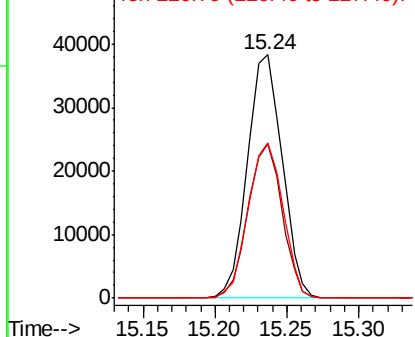


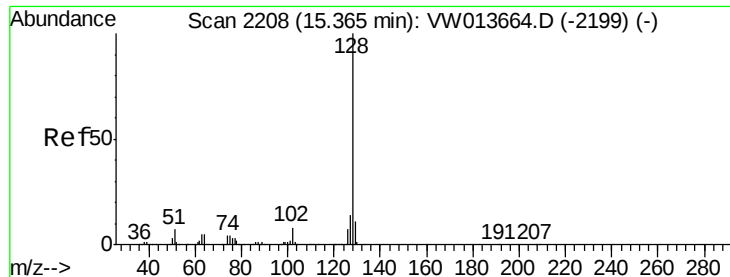
#94
 Hexachlorobutadiene
 Concen: 20.988 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Tgt Ion:225 Resp: 64144
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.9 95.9
 227 64.1 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: 21.199 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampled :

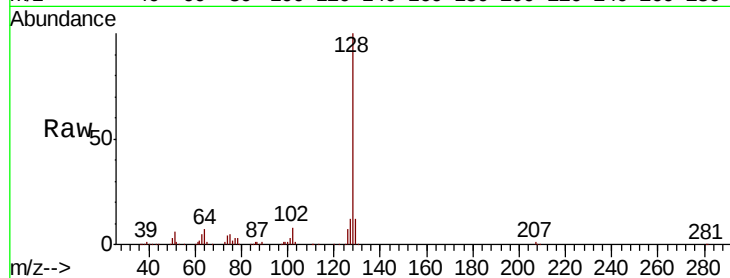
Tot Ion:128 Resp: 150470

Ion Ratio Lower Upper

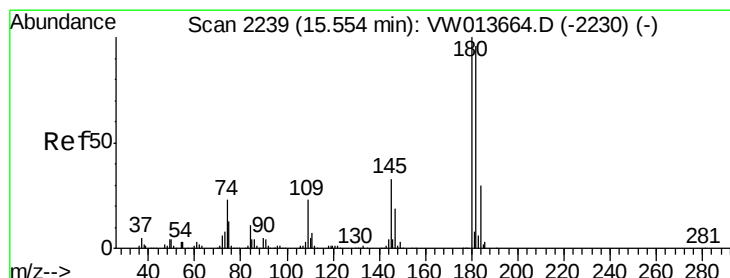
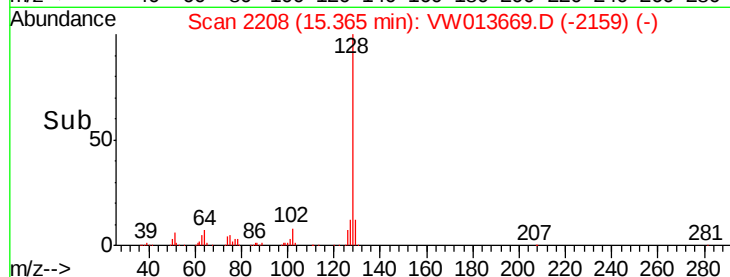
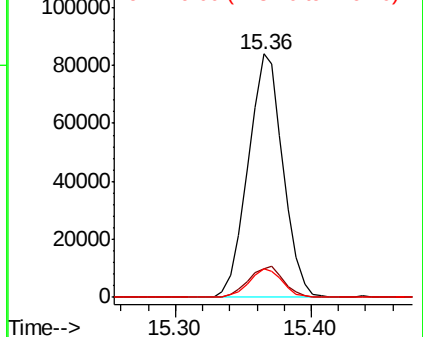
128 100

127 12.8 10.6 15.8

129 11.4 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 20.898 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

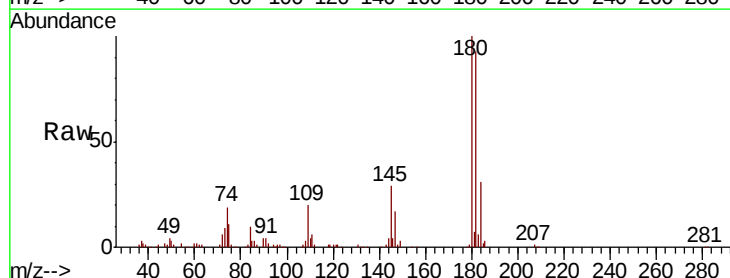
Tgt Ion:180 Resp: 81519

Ion Ratio Lower Upper

180 100

182 95.3 47.4 142.3

145 29.3 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

