

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013670.D
 Acq On : 23 Oct 2019 16:39
 Operator : SY/VA
 Sample : VW1023SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 07:25:58 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	323186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	201817	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	131802	54.36	ug/l	0.00
Spiked Amount			Recovery	=	108.72%	
35) Dibromofluoromethane	7.88	113	133042	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
50) Toluene-d8	10.32	98	555148	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
62) 4-Bromofluorobenzene	12.62	95	187462	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	39283	23.072	ug/l	97
3) Chloromethane	2.21	50	38886	21.251	ug/l	98
4) Vinyl Chloride	2.37	62	60449	21.875	ug/l	100
5) Bromomethane	2.78	94	38111	20.970	ug/l	99
6) Chloroethane	2.92	64	34348	20.541	ug/l	96
7) Trichlorofluoromethane	3.26	101	34428	19.946	ug/l	100
8) Diethyl Ether	3.68	74	28830	20.674	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	57014	20.319	ug/l	98
10) Methyl Iodide	4.27	142	93148	20.371	ug/l	100
11) Tert butyl alcohol	5.20	59	16957	117.161	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	59119	20.396	ug/l	96
13) Acrolein	3.90	56	15801	95.293	ug/l	100
14) Allyl chloride	4.67	41	89623	20.109	ug/l	99
15) Acrylonitrile	5.37	53	60616	106.899	ug/l	100
16) Acetone	4.13	43	46632	90.714	ug/l	98
17) Carbon Disulfide	4.39	76	170661	20.502	ug/l	99
18) Methyl Acetate	4.67	43	31704	22.499	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	73928	21.255	ug/l	92
20) Methylene Chloride	4.92	84	66126	20.587	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	63971	20.506	ug/l	95
22) Diisopropyl ether	6.31	45	165682	20.379	ug/l	97
23) Vinyl Acetate	6.26	43	485708	102.964	ug/l	100
24) 1,1-Dichloroethane	6.21	63	103905	20.180	ug/l	99
25) 2-Butanone	7.17	43	76926	104.088	ug/l	98
26) 2,2-Dichloropropane	7.17	77	60083	20.180	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	66238	19.990	ug/l	97
28) Bromochloromethane	7.51	49	28012	16.201	ug/l #	99
29) Tetrahydrofuran	7.54	42	50263	109.853	ug/l	99
30) Chloroform	7.68	83	101140	19.871	ug/l	99
31) Cyclohexane	7.96	56	106679	19.798	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	80930	20.262	ug/l	99
36) 1,1-Dichloropropene	8.09	75	87493	20.647	ug/l	98
37) Ethyl Acetate	7.25	43	34525	21.284	ug/l	97
38) Carbon Tetrachloride	8.07	117	77290	20.255	ug/l	98

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Instrument :
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 ClientSampleId :

Quant Time: Oct 24 07:25:58 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	108243	19.780	ug/l	98
40) Benzene	8.32	78	242656	20.235	ug/l	99
41) Methacrylonitrile	7.48	41	22359	22.104	ug/l	93
42) 1,2-Dichloroethane	8.40	62	62693	20.746	ug/l	99
43) Isopropyl Acetate	8.42	43	66657	21.468	ug/l	99
44) Trichloroethene	9.09	130	70134	20.417	ug/l	99
45) 1,2-Dichloropropane	9.37	63	56215	19.625	ug/l	100
46) Dibromomethane	9.46	93	28813	20.725	ug/l	99
47) Bromodichloromethane	9.65	83	72523	20.161	ug/l	97
48) Methyl methacrylate	9.43	41	33440	21.718	ug/l	99
49) 1,4-Dioxane	9.46	88	8932	434.776	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	166963	108.213	ug/l	100
52) Toluene	10.38	92	158385	20.475	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	74670	20.505	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	88582	19.716	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43746	21.113	ug/l	93
56) Ethyl methacrylate	10.65	69	54878	21.170	ug/l	100
57) 1,3-Dichloropropane	10.93	76	74174	20.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	122906	103.017	ug/l	99
59) 2-Hexanone	10.97	43	114161	107.327	ug/l	99
60) Dibromochloromethane	11.13	129	49401	20.081	ug/l	99
61) 1,2-Dibromoethane	11.23	107	40133	20.474	ug/l	96
64) Tetrachloroethene	10.86	164	60474	20.015	ug/l	96
65) Chlorobenzene	11.66	112	163767	20.153	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	55442	19.549	ug/l	98
67) Ethyl Benzene	11.73	91	288651	19.699	ug/l	100
68) m/p-Xylenes	11.83	106	226599	40.027	ug/l	97
69) o-Xylene	12.16	106	103180	19.829	ug/l	99
70) Styrene	12.18	104	177506	19.854	ug/l	99
71) Bromoform	12.35	173	29910	20.097	ug/l #	100
73) Isopropylbenzene	12.46	105	285741	19.716	ug/l	100
74) N-amyl acetate	12.27	43	58330	20.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47870	20.931	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	59517	41.065	ug/l #	100
77) Bromobenzene	12.74	156	69226	19.995	ug/l	99
78) n-propylbenzene	12.80	91	331275	19.748	ug/l	100
79) 2-Chlorotoluene	12.89	91	189059	20.055	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	240919	19.692	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	14982	19.536	ug/l	97
82) 4-Chlorotoluene	12.99	91	198022	20.009	ug/l	99
83) tert-Butylbenzene	13.21	119	217220	20.002	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	242143	20.064	ug/l	99
85) sec-Butylbenzene	13.38	105	296150	19.942	ug/l	99
86) p-Isopropyltoluene	13.50	119	279222	20.184	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	133362	19.881	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	133647	20.054	ug/l	98
89) n-Butylbenzene	13.82	91	249941	20.017	ug/l	100
90) Hexachloroethane	14.09	117	46187	19.209	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	117113	20.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7150	20.674	ug/l	97

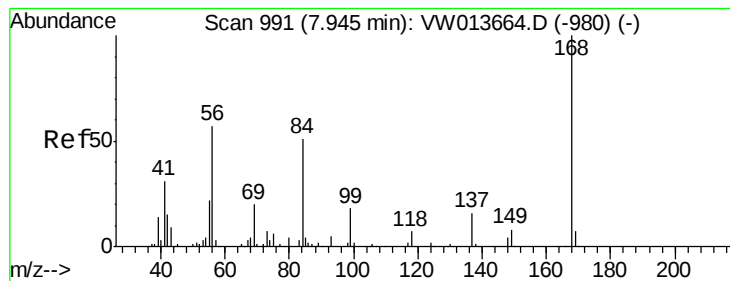
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
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Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	81951	19.360	ug/l	97
94) Hexachlorobutadiene	15.24	225	57116	19.987	ug/l	98
95) Naphthalene	15.36	128	136038	20.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	72427	19.857	ug/l	100

(#) = 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: VW013670.D

Acq: 23 Oct 2019 16:39

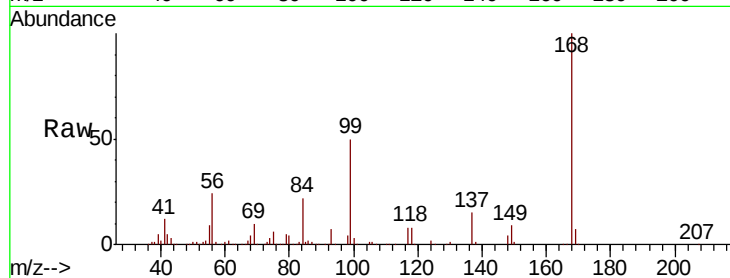
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 323186

Ion Ratio Lower Upper

168 100

99 49.6 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

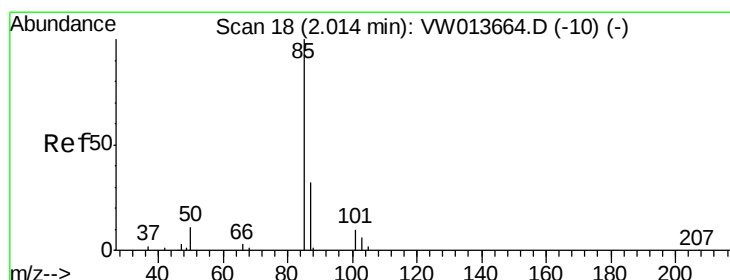
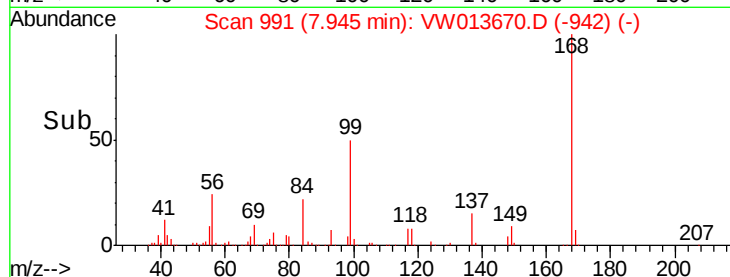
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.072 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013670.D

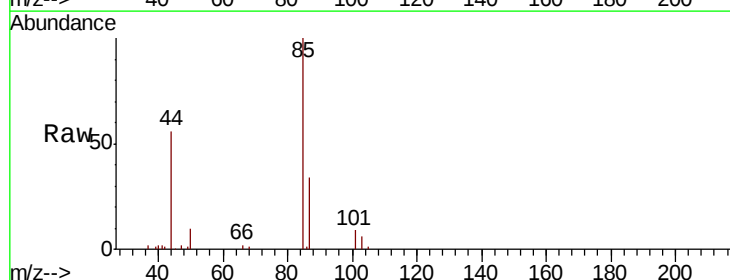
Acq: 23 Oct 2019 16:39

Tgt Ion: 85 Resp: 39283

Ion Ratio Lower Upper

85 100

87 33.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

15000

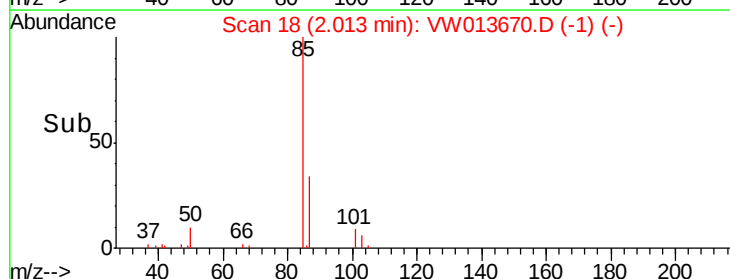
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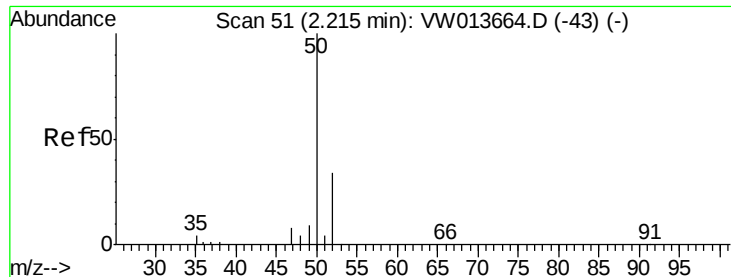
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.251 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

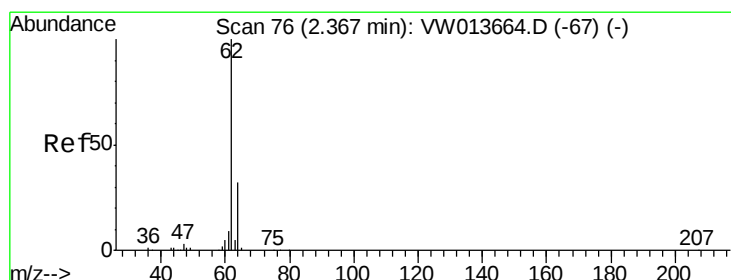
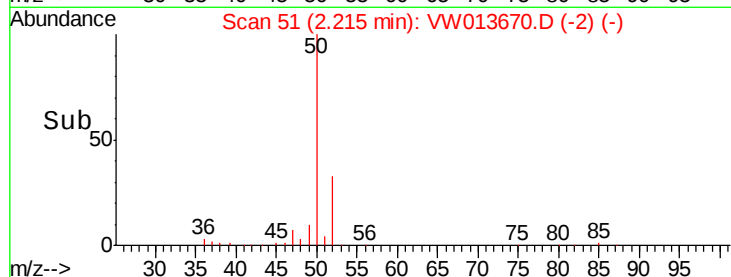
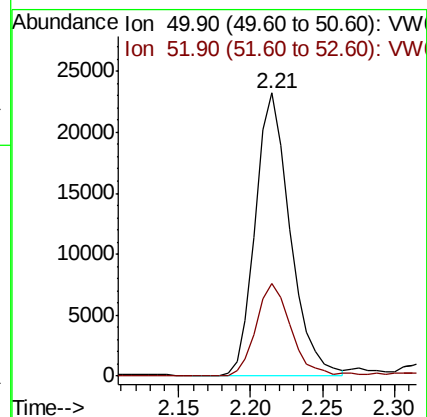
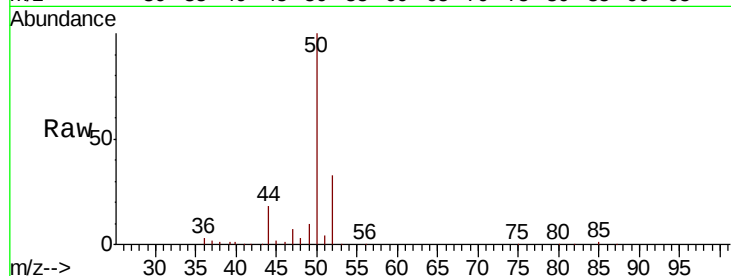
ClientSampled :

Tot Ion: 50 Resp: 38886

Ion Ratio Lower Upper

50 100

52 32.5 26.9 40.3



#4

Vinyl Chloride

Concen: 21.875 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013670.D

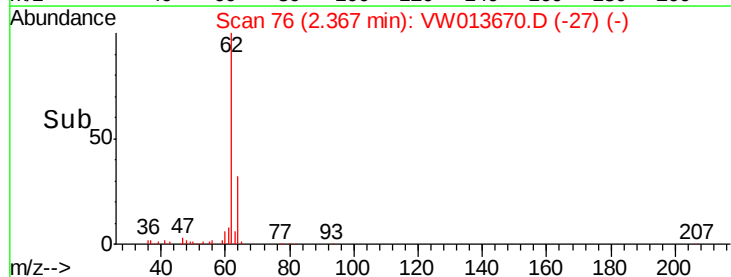
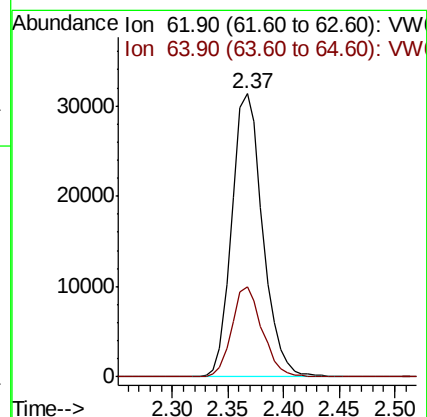
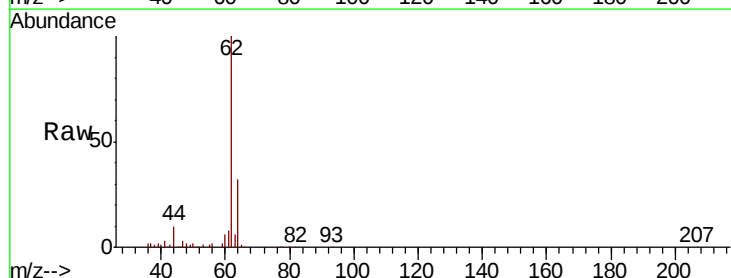
Acq: 23 Oct 2019 16:39

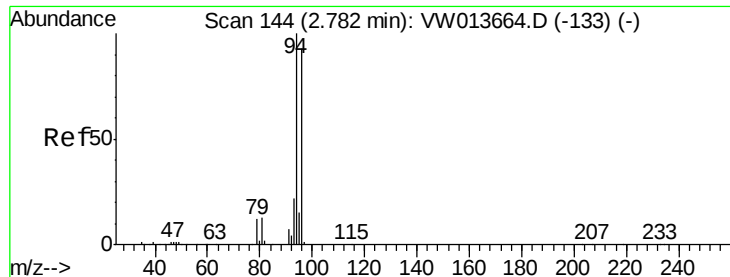
Tgt Ion: 62 Resp: 60449

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 20.970 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

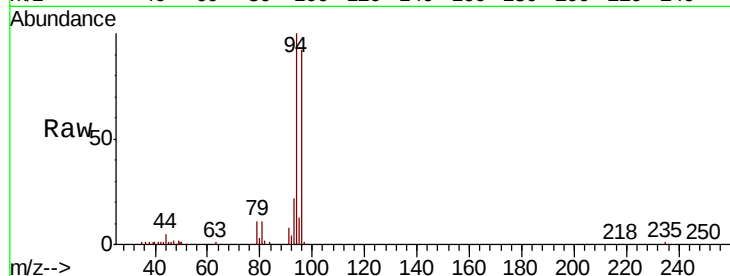
ClientSampleId :

Tot Ion: 94 Resp: 38111

Ion Ratio Lower Upper

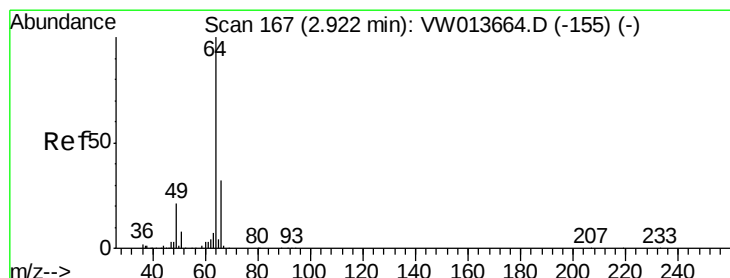
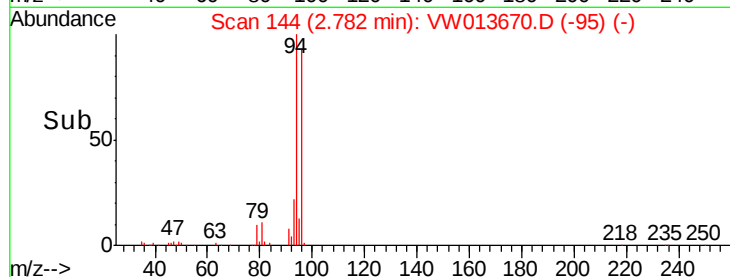
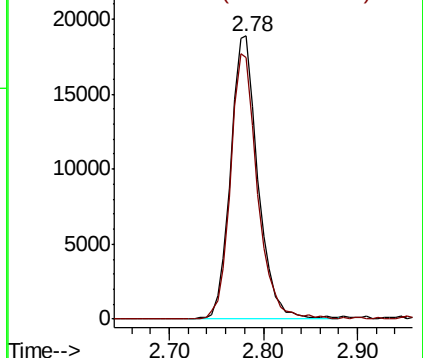
94 100

96 92.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.541 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013670.D

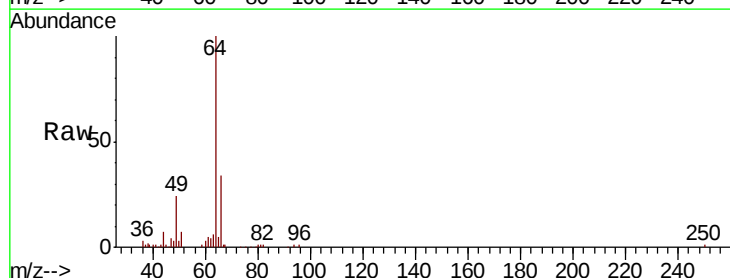
Acq: 23 Oct 2019 16:39

Tgt Ion: 64 Resp: 34348

Ion Ratio Lower Upper

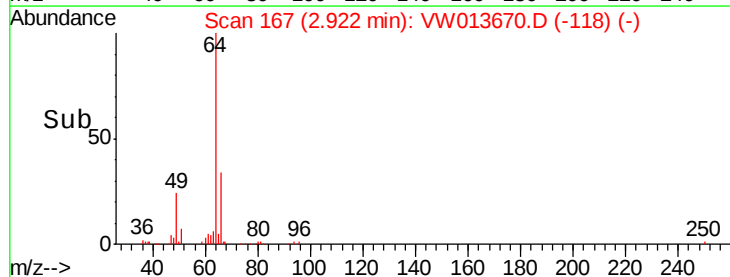
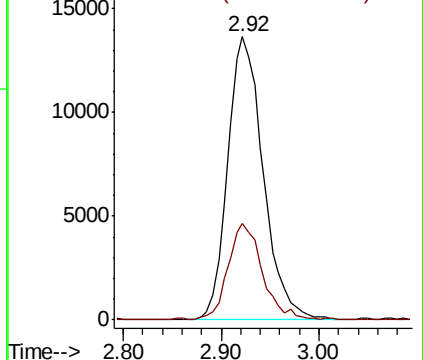
64 100

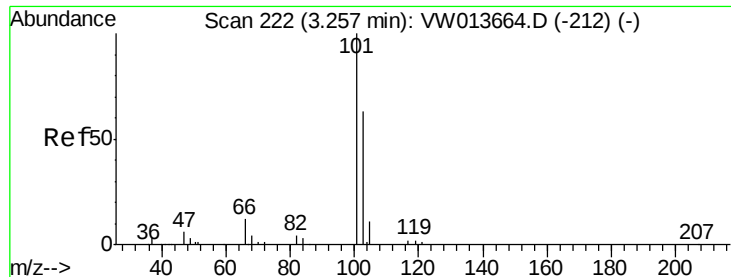
66 34.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



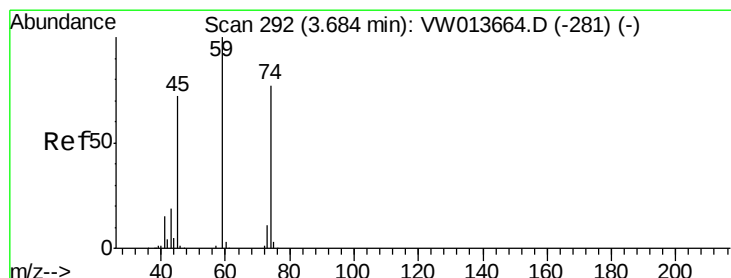
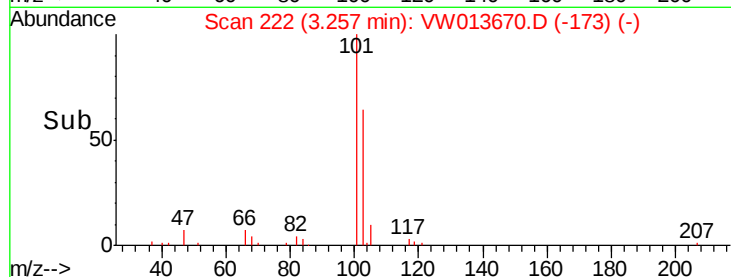
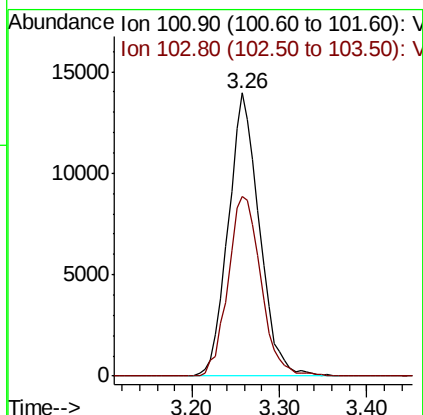
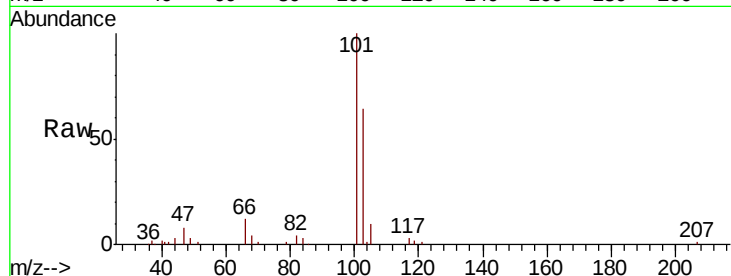


#7

Trichlorofluoromethane
Concen: 19.946 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampled :

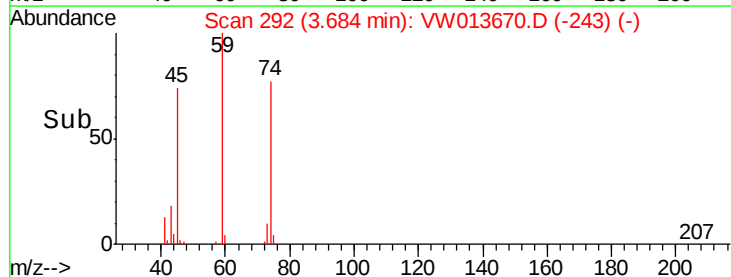
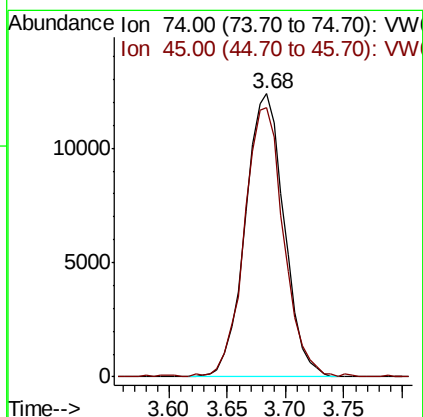
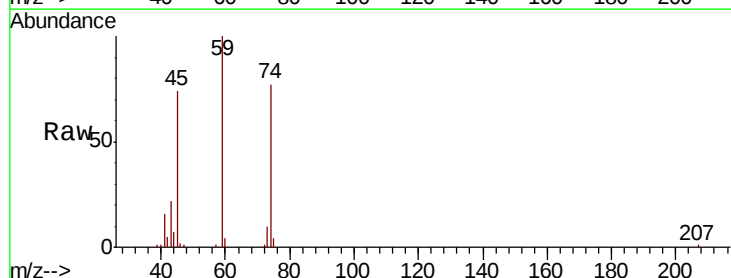
Tot Ion:101 Resp: 34428
Ion Ratio Lower Upper
101 100
103 63.6 50.6 76.0

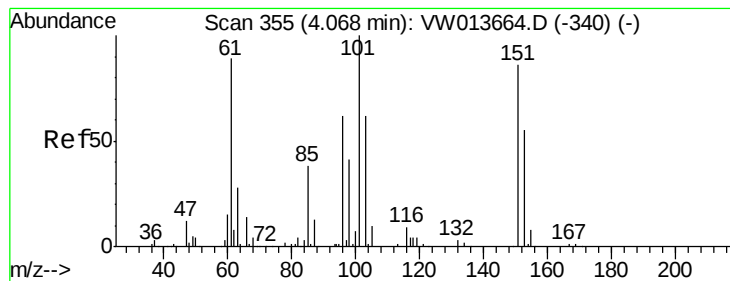


#8

Diethyl Ether
Concen: 20.674 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 74 Resp: 28830
Ion Ratio Lower Upper
74 100
45 96.3 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.319 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

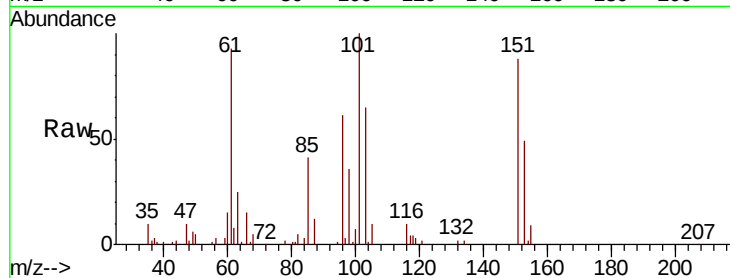
Tot Ion:101 Resp: 57014

Ion Ratio Lower Upper

101 100

85 41.5 31.0 46.6

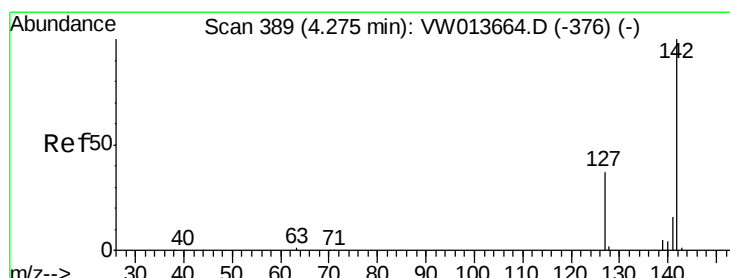
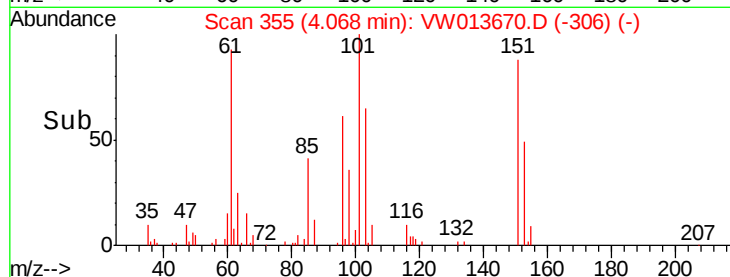
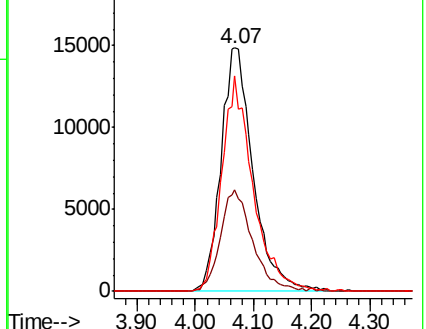
151 85.1 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.371 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

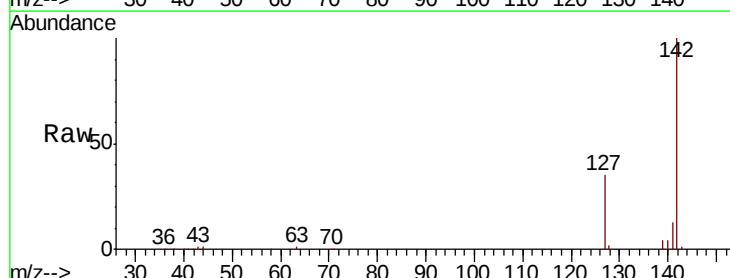
Tgt Ion:142 Resp: 93148

Ion Ratio Lower Upper

142 100

127 38.1 30.3 45.5

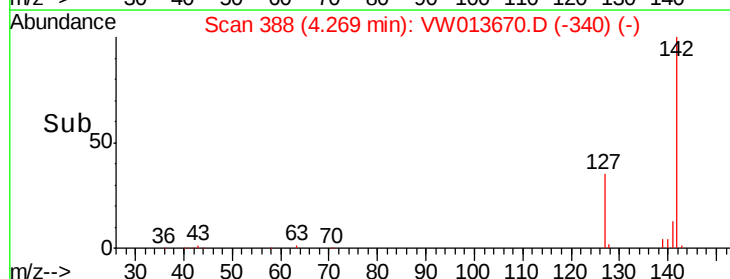
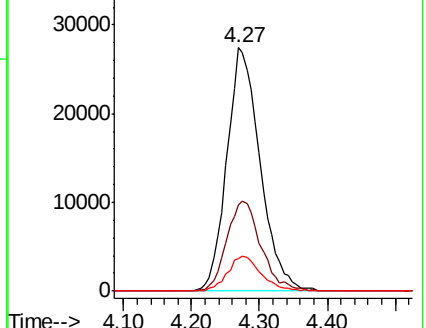
141 14.5 11.8 17.8

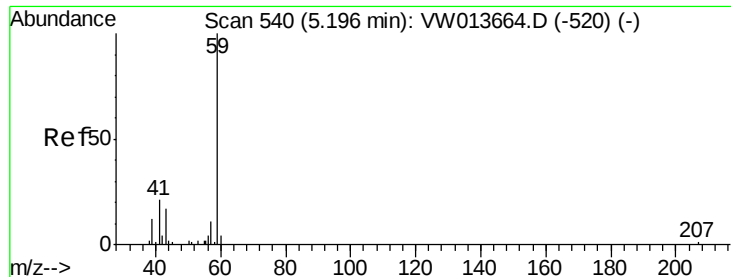


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



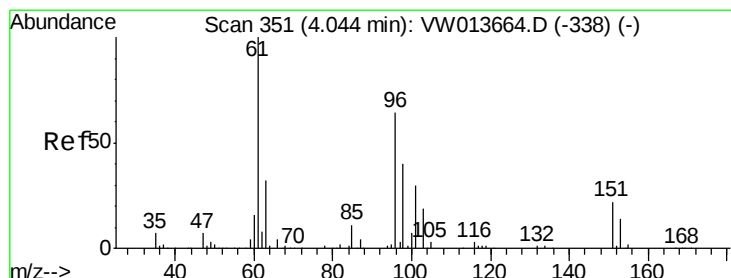
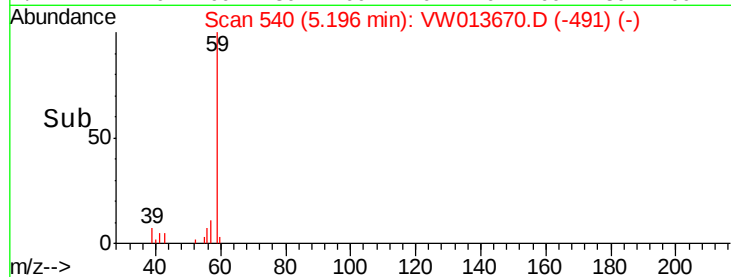
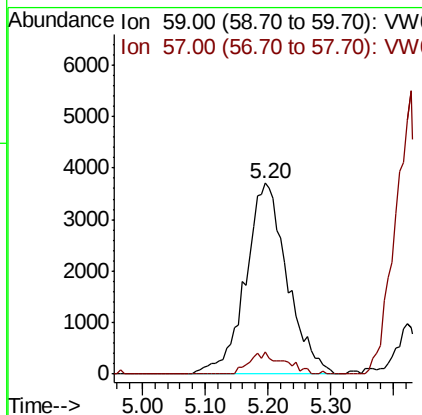
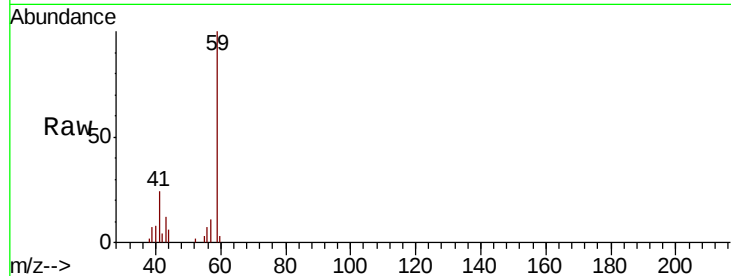


#11

Tert butyl alcohol
Concen: 117.161 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampled :

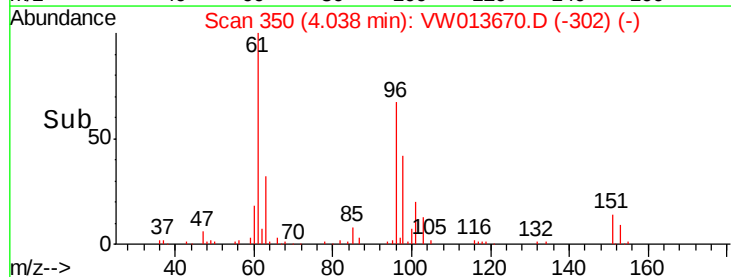
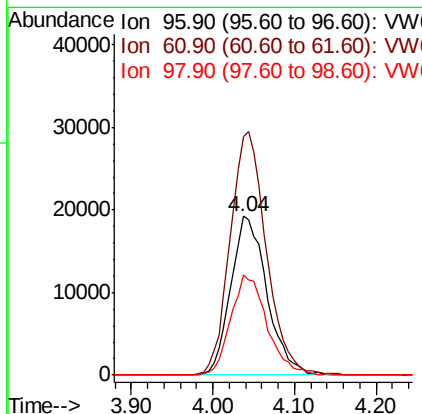
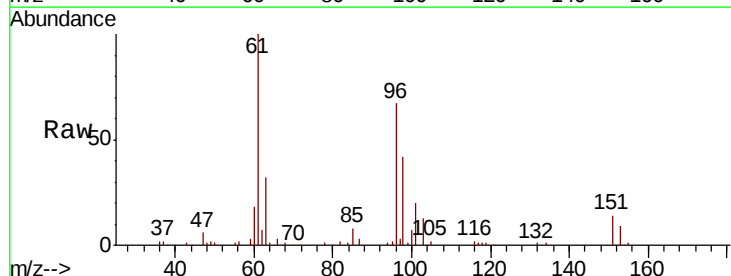
Tot Ion: 59 Resp: 16957
Ion Ratio Lower Upper
59 100
57 6.3 8.8 13.2#

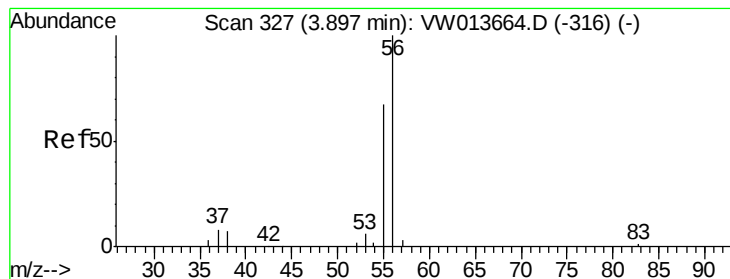


#12

1,1-Dichloroethene
Concen: 20.396 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 96 Resp: 59119
Ion Ratio Lower Upper
96 100
61 149.9 125.0 187.6
98 62.8 50.3 75.5





#13

Acrolein

Concen: 95.293 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

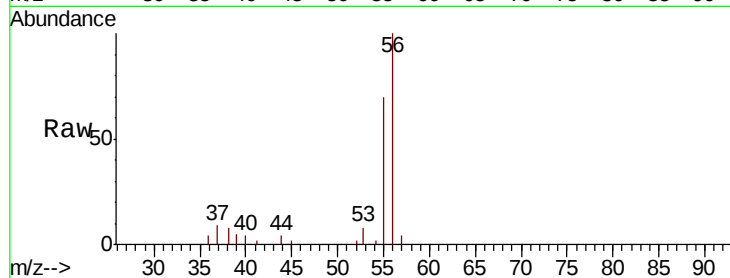
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 15801

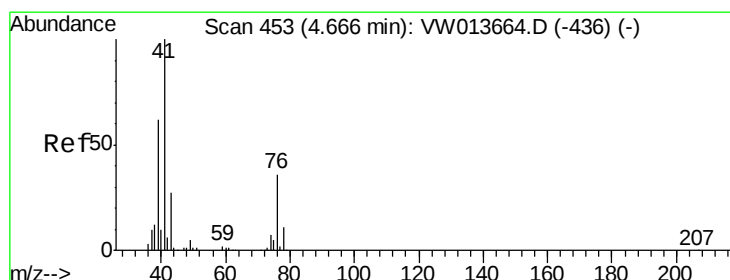
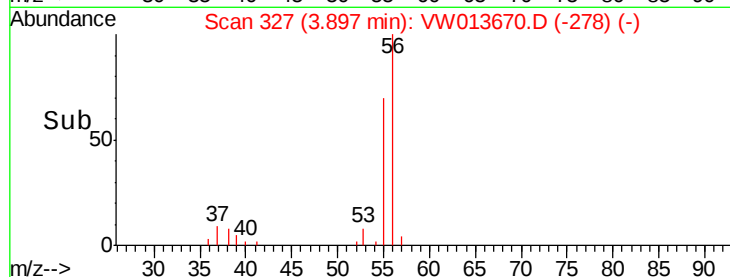
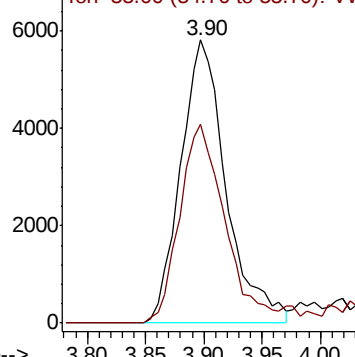
Ion Ratio Lower Upper

56 100

55 69.8 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.109 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

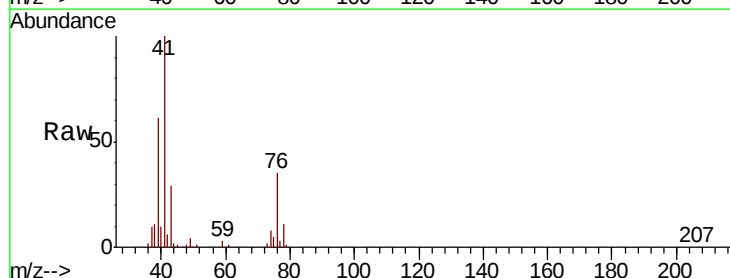
Tgt Ion: 41 Resp: 89623

Ion Ratio Lower Upper

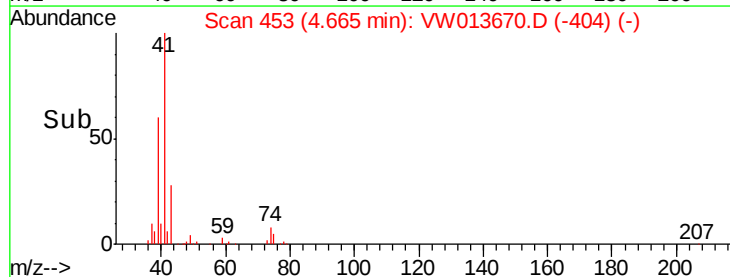
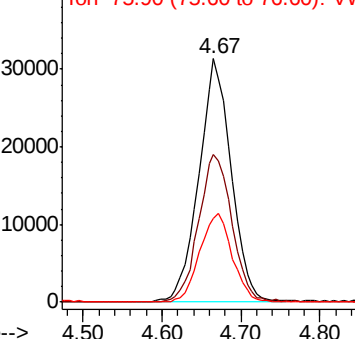
41 100

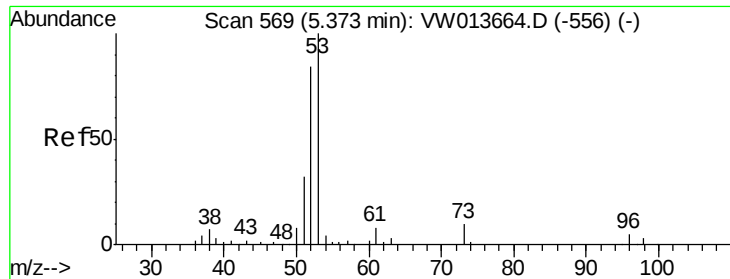
39 62.7 50.0 75.0

76 36.4 29.6 44.4



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 106.899 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampled :

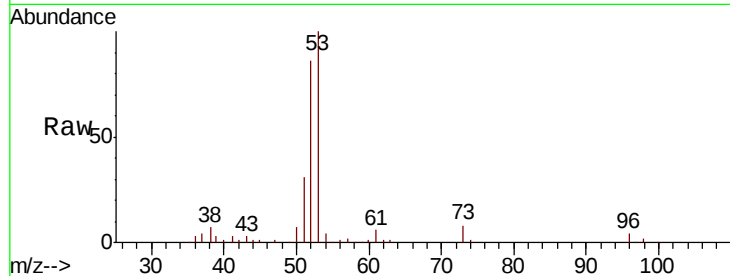
Tot Ion: 53 Resp: 60616

Ion Ratio Lower Upper

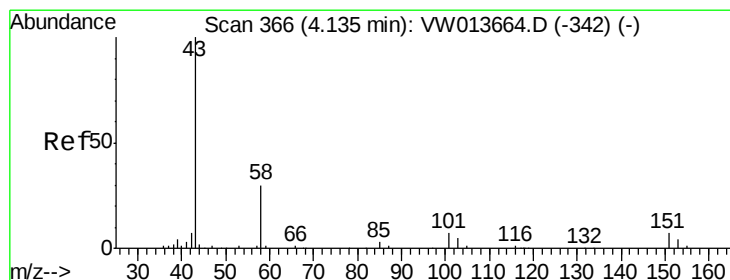
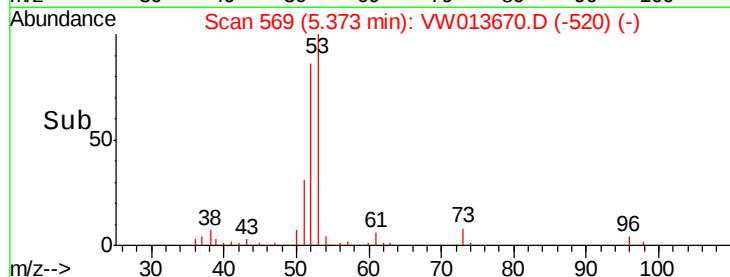
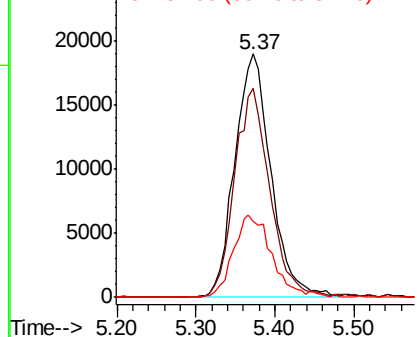
53 100

52 83.9 67.4 101.0

51 35.9 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 90.714 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013670.D

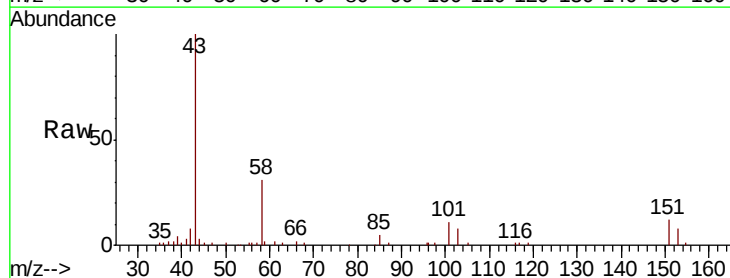
Acq: 23 Oct 2019 16:39

Tgt Ion: 43 Resp: 46632

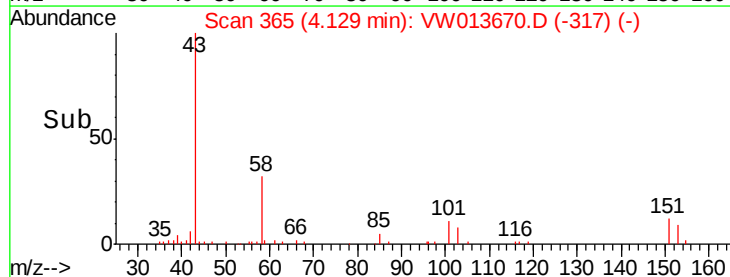
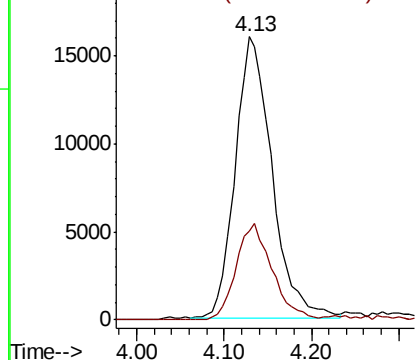
Ion Ratio Lower Upper

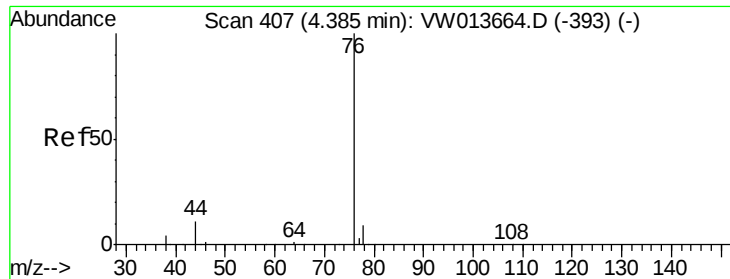
43 100

58 31.4 24.1 36.1



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

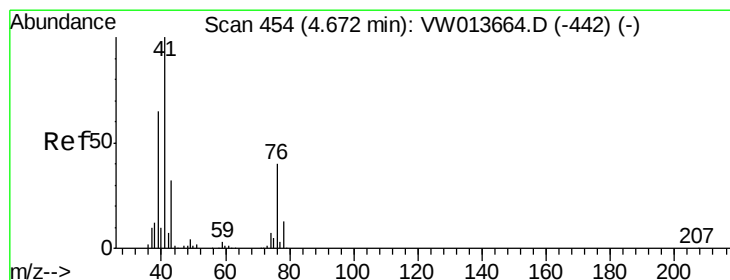
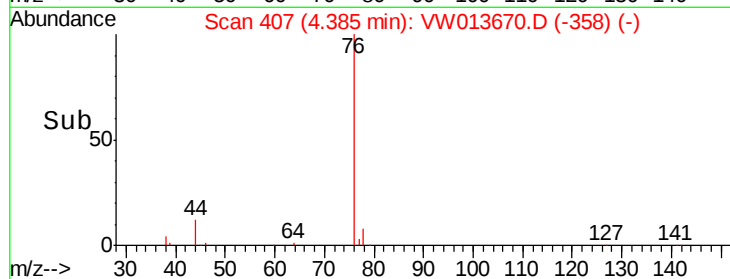
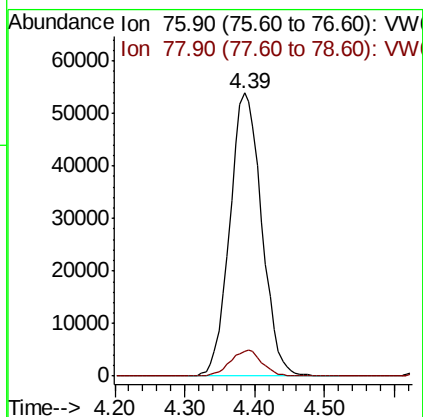
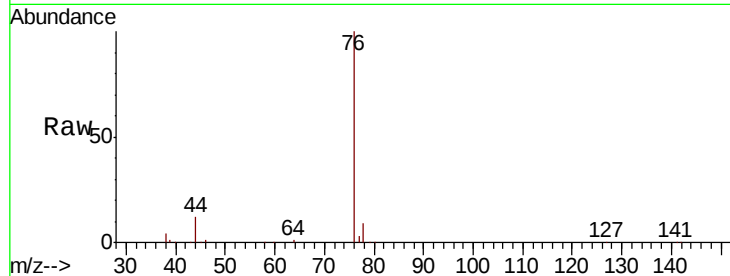




#17
Carbon Disulfide
Concen: 20.502 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

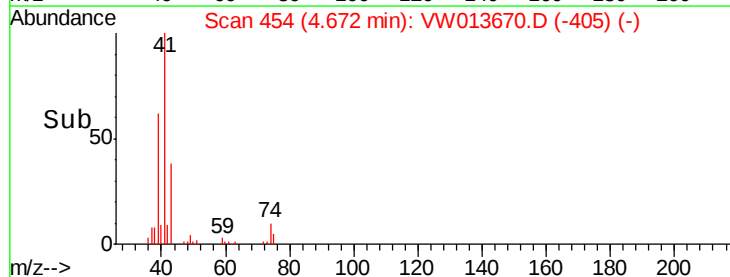
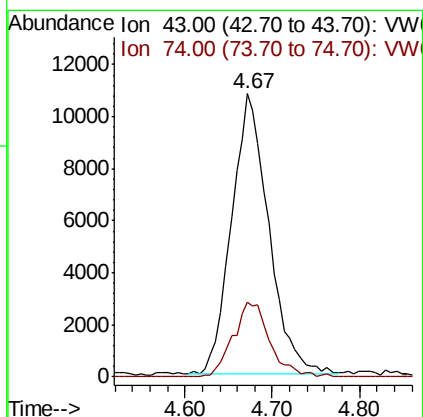
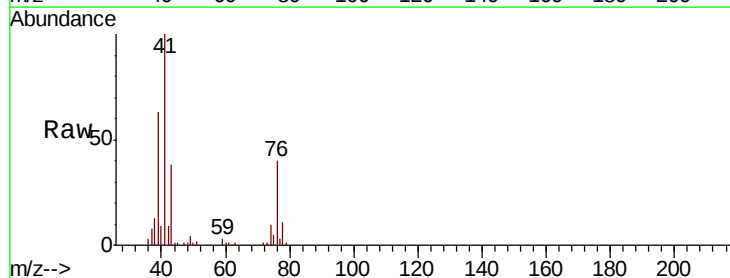
Instrument :
MSVOA_W
ClientSampled :

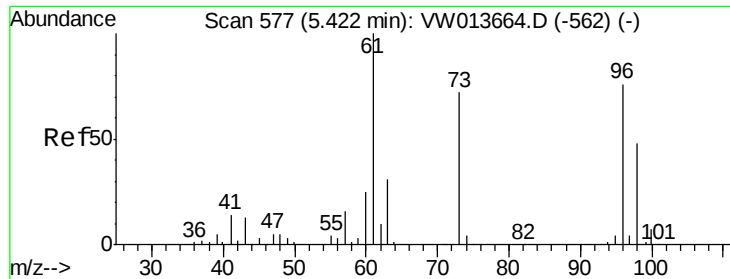
Tot Ion: 76 Resp: 170661
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6



#18
Methyl Acetate
Concen: 22.499 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 43 Resp: 31704
Ion Ratio Lower Upper
43 100
74 26.3 19.8 29.8

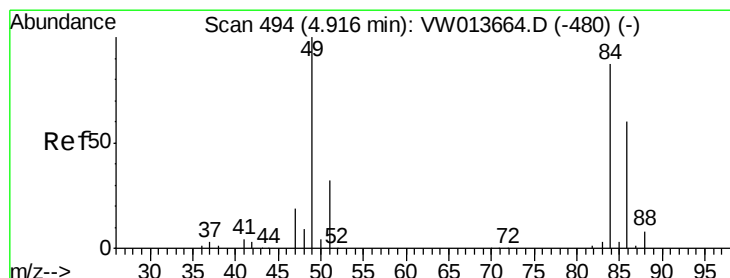
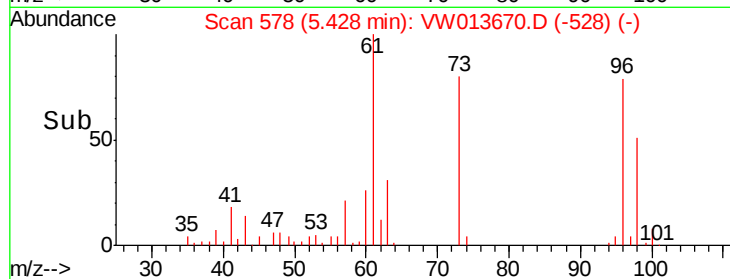
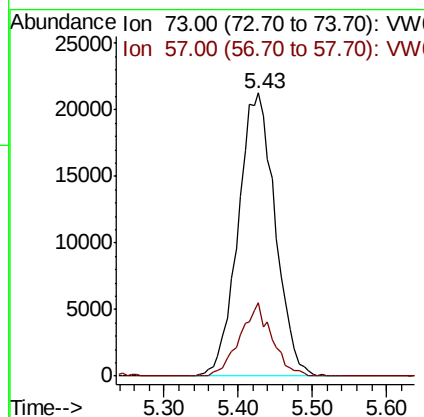
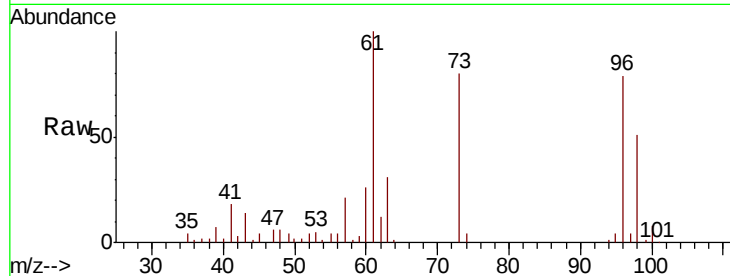




#19
Methvl tert-butvl Ether
Concen: 21.255 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

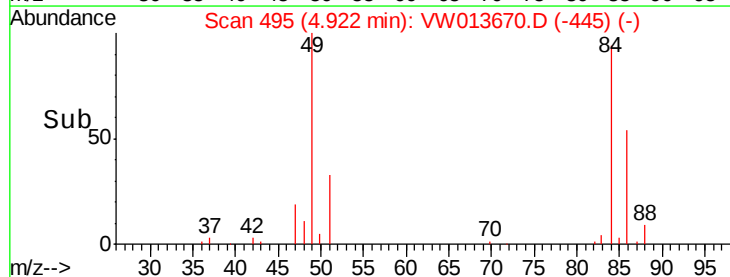
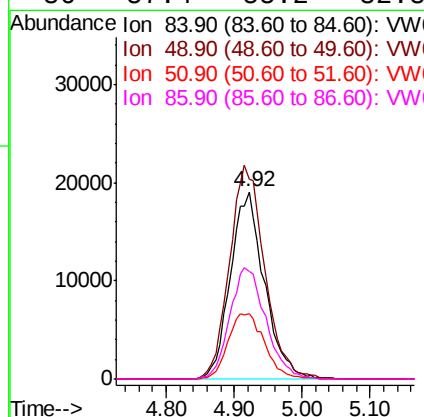
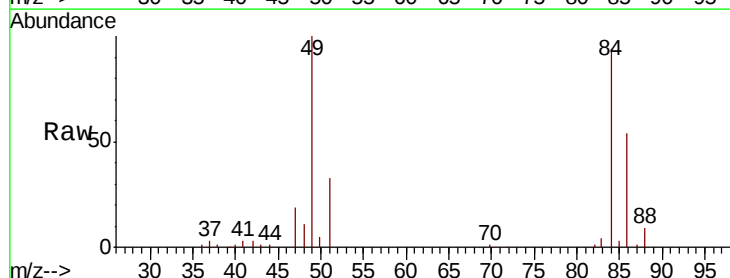
Instrument :
MSVOA_W
ClientSampleId :

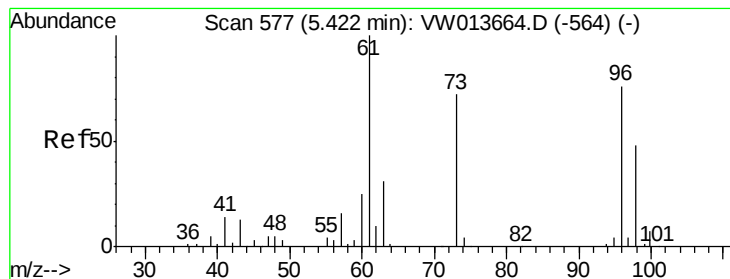
Tot Ion: 73 Resp: 73928
Ion Ratio Lower Upper
73 100
57 25.8 17.6 26.4



#20
Methylene Chloride
Concen: 20.587 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 84 Resp: 66126
Ion Ratio Lower Upper
84 100
49 106.7 91.8 137.6
51 35.0 29.8 44.6
86 57.4 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 20.506 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

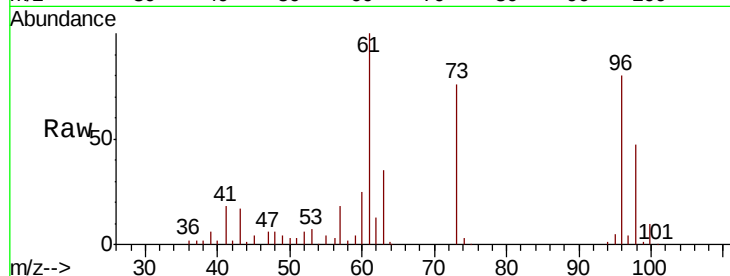
Tot Ion: 96 Resp: 63971

Ion Ratio Lower Upper

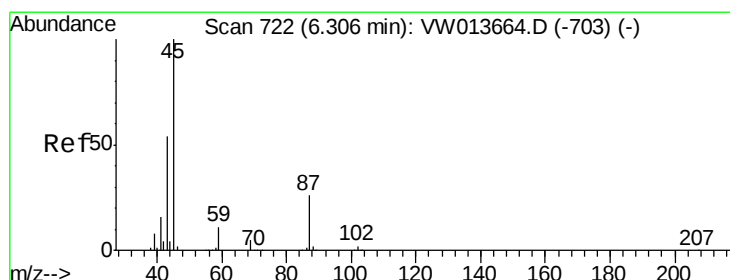
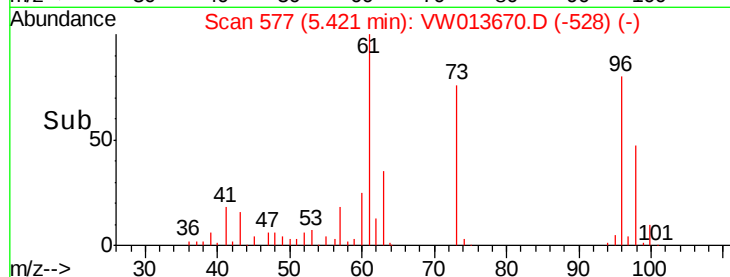
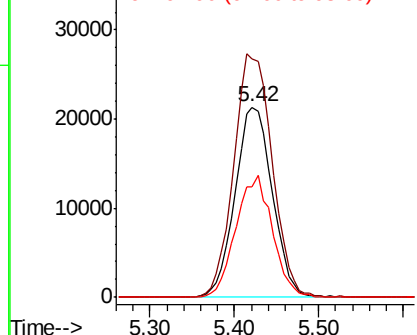
96 100

61 125.3 104.8 157.2

98 58.3 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: 20.379 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Tgt Ion: 45 Resp: 165682

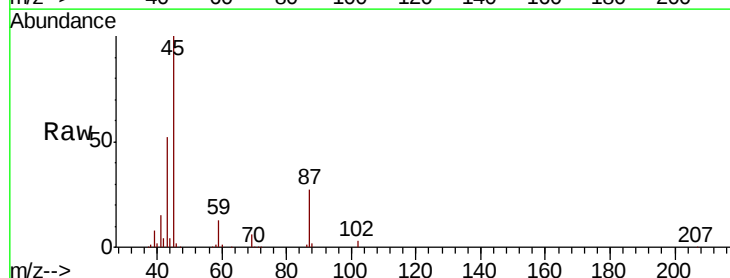
Ion Ratio Lower Upper

45 100

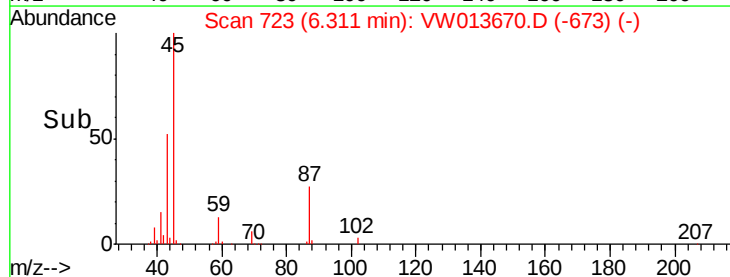
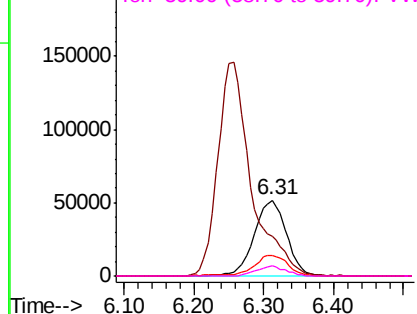
43 51.5 43.4 65.2

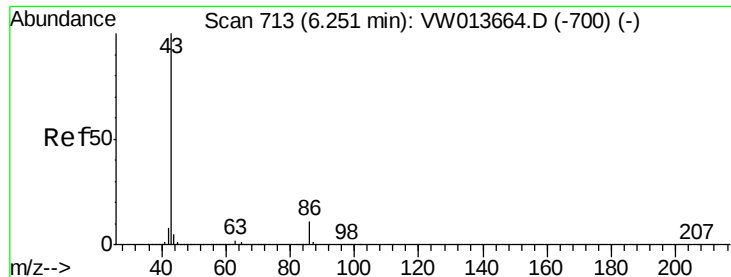
87 27.3 21.5 32.3

59 13.2 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: 102.964 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

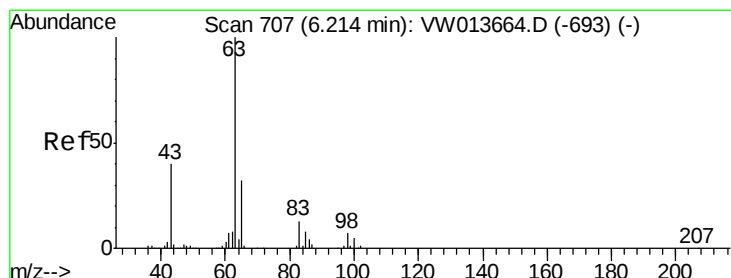
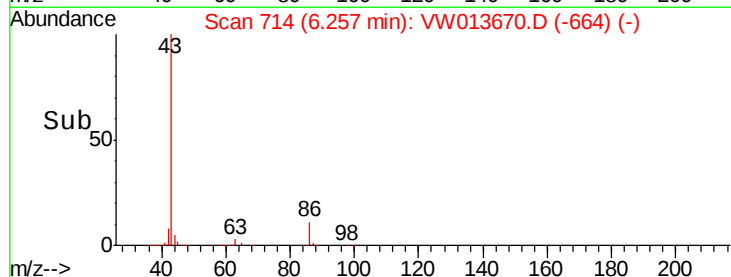
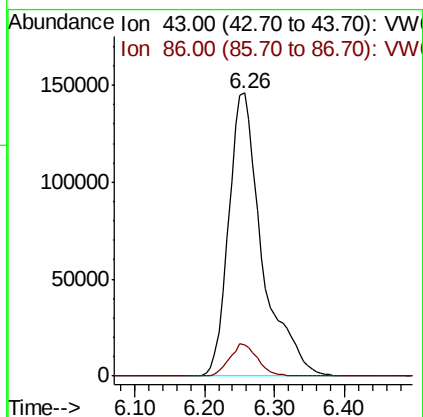
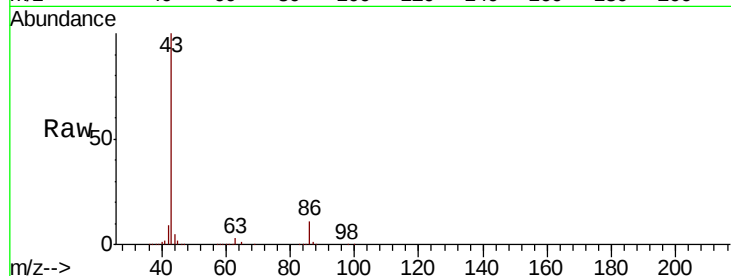
ClientSampleId :

Tot Ion: 43 Resp: 485708

Ion Ratio Lower Upper

43 100

86 11.1 9.0 13.6



#24

1,1-Dichloroethane

Concen: 20.180 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

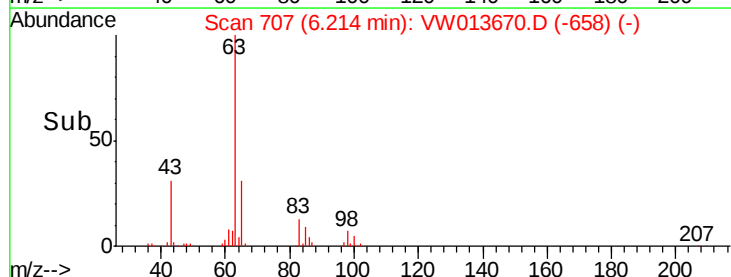
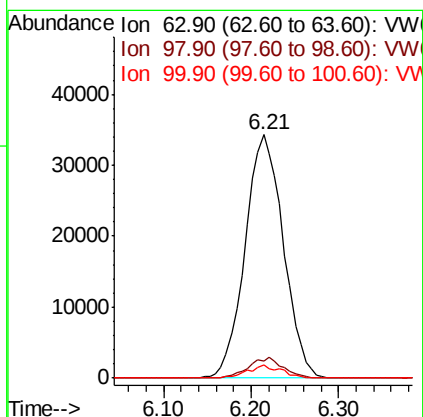
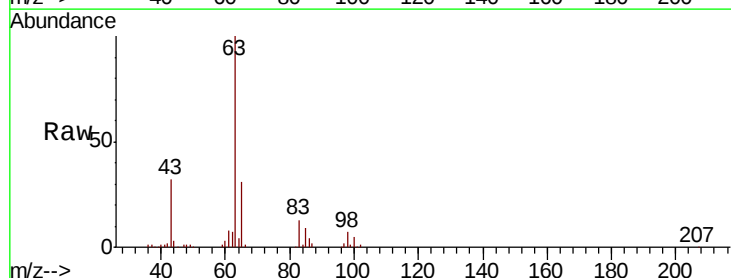
Tgt Ion: 63 Resp: 103905

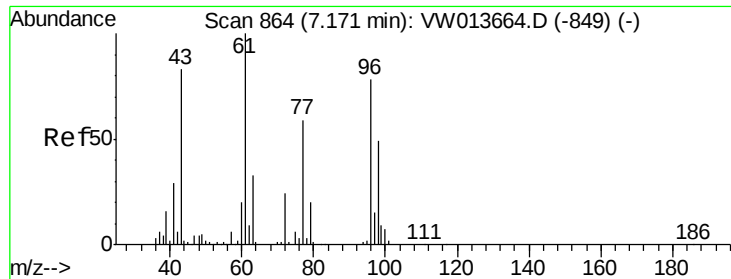
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 5.2 2.5 7.4





#25

2-Butanone

Concen: 104.088 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

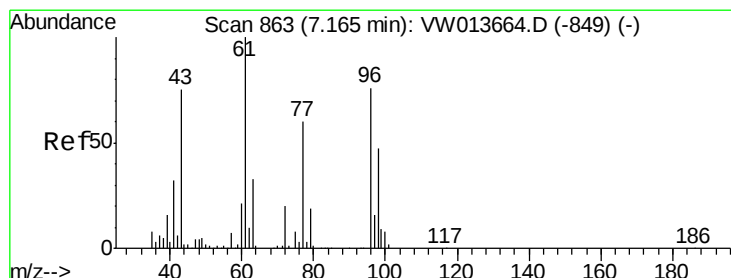
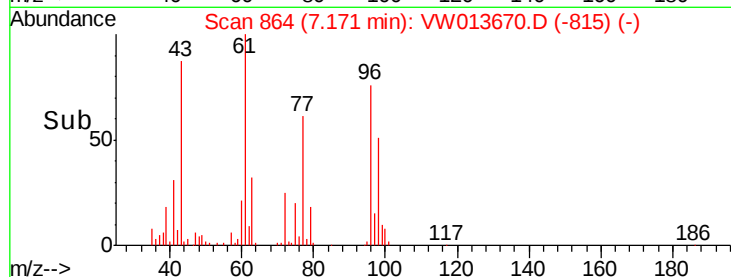
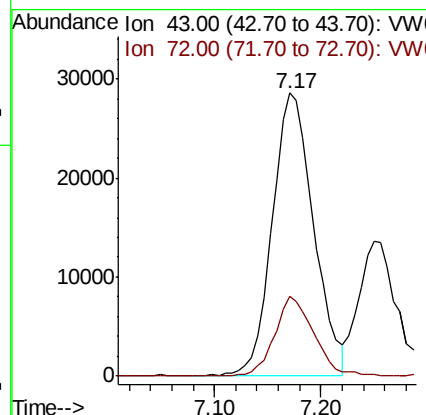
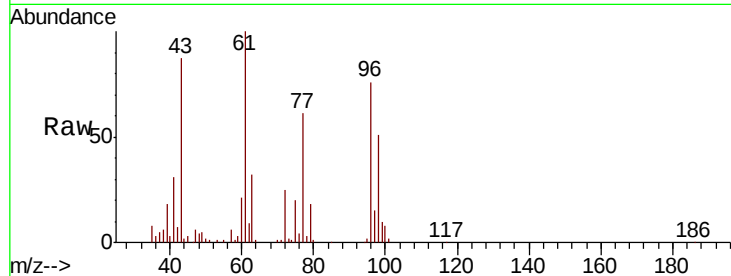
ClientSampled :

Tot Ion: 43 Resp: 76926

Ion Ratio Lower Upper

43 100

72 28.2 23.6 35.4



#26

2,2-Dichloropropane

Concen: 20.180 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013670.D

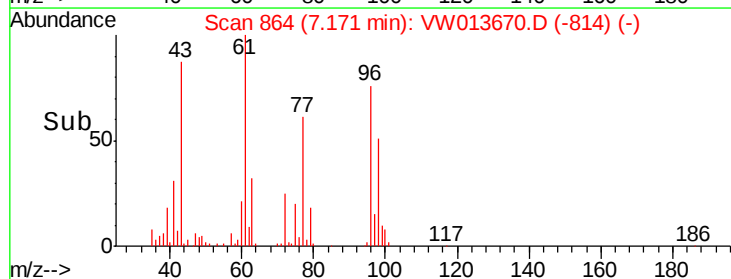
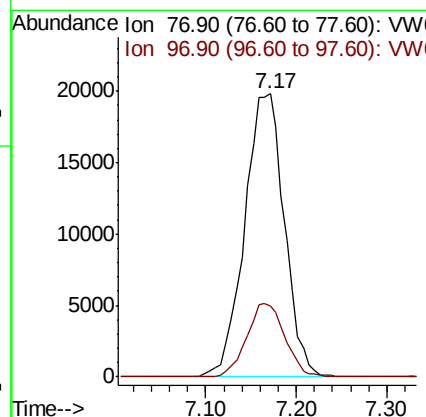
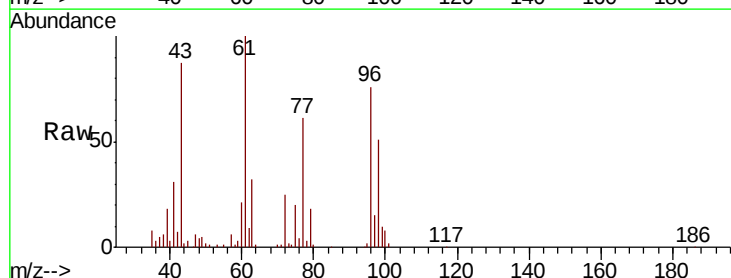
Acq: 23 Oct 2019 16:39

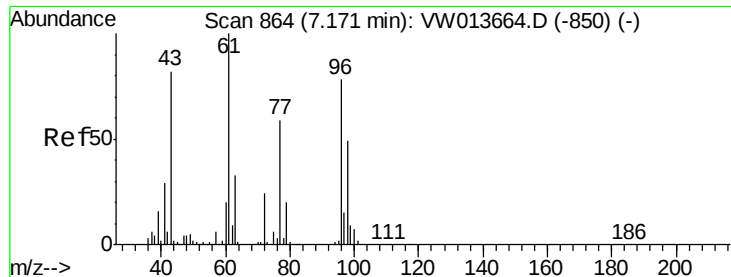
Tgt Ion: 77 Resp: 60083

Ion Ratio Lower Upper

77 100

97 25.0 12.8 38.4



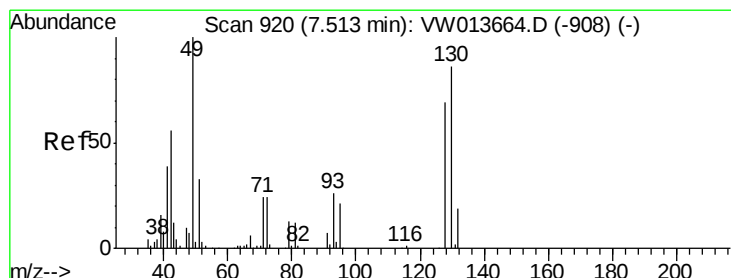
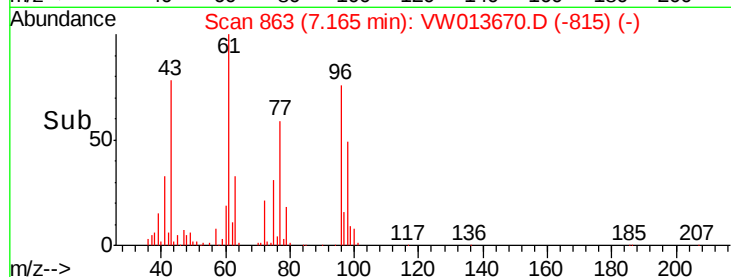
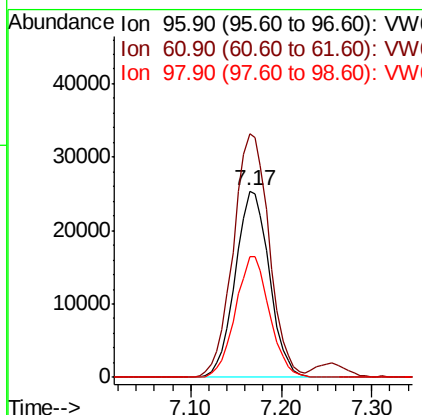
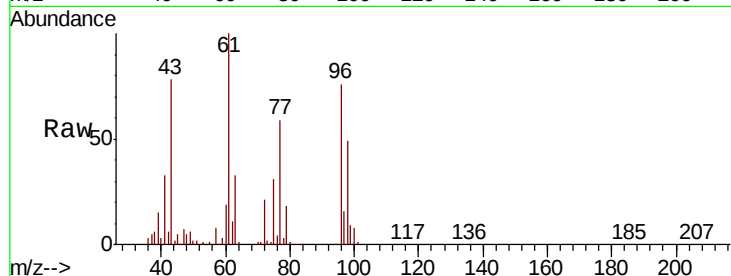


#27

cis-1,2-Dichloroethene
Concen: 19.990 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampled :

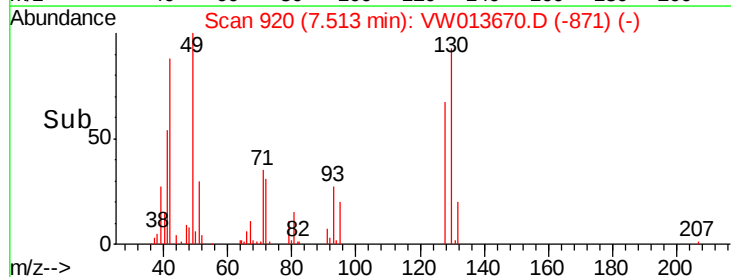
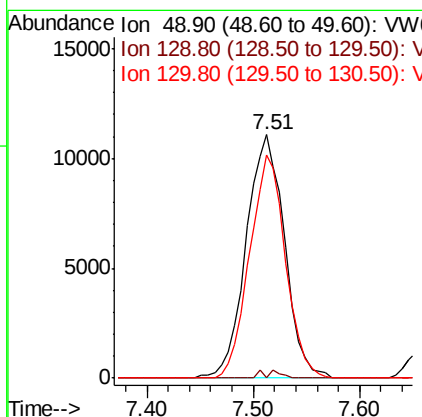
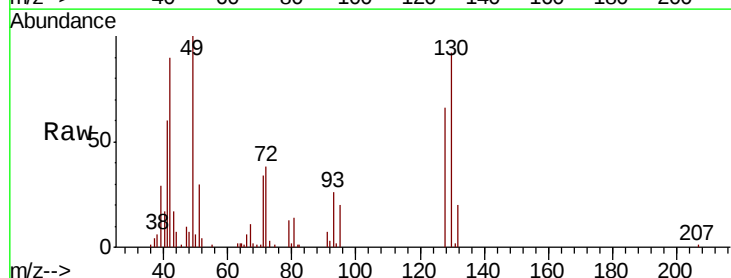
Tot Ion: 96 Resp: 66238
Ion Ratio Lower Upper
96 100
61 137.7 0.0 266.0
98 64.7 0.0 126.8

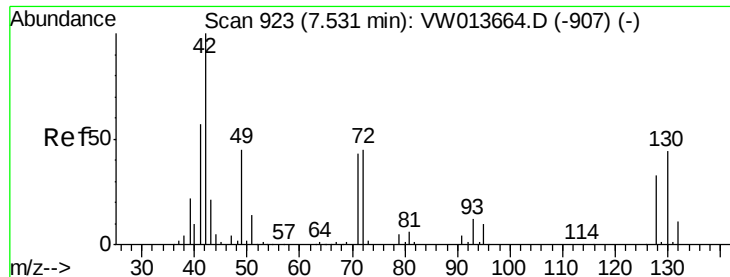


#28

Bromochloromethane
Concen: 16.201 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 49 Resp: 28012
Ion Ratio Lower Upper
49 100
129 0.9 0.0 0.6#
130 85.7 67.5 101.3

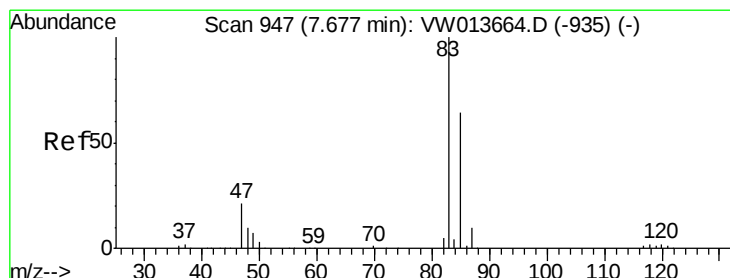
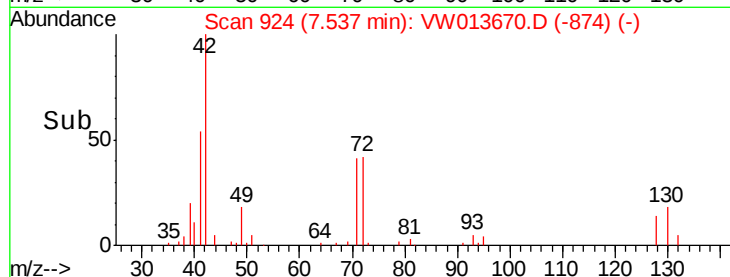
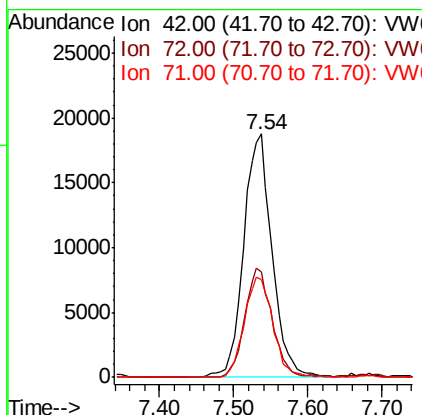
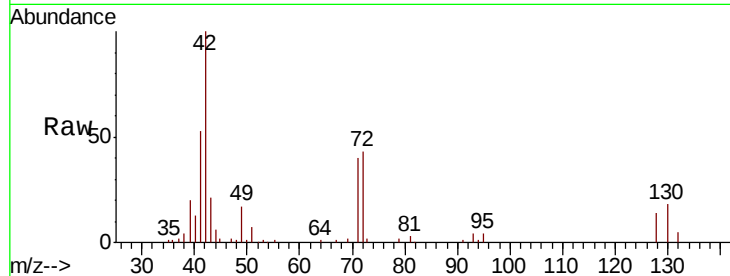




#29
Tetrahydrofuran
Concen: 109.853 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

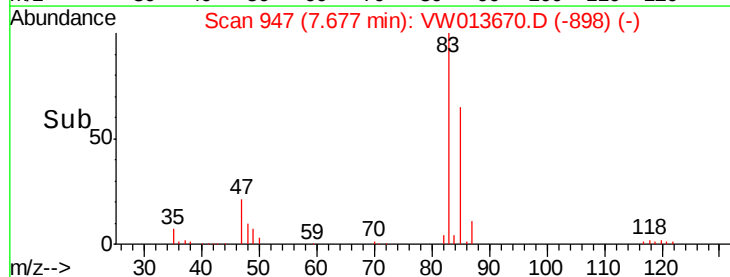
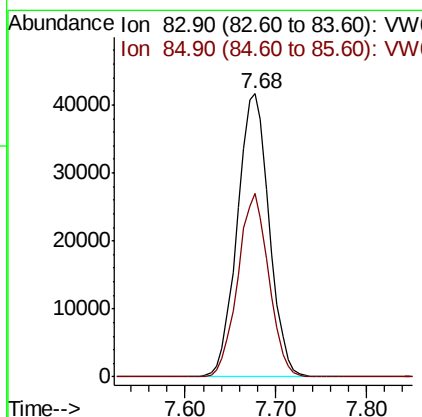
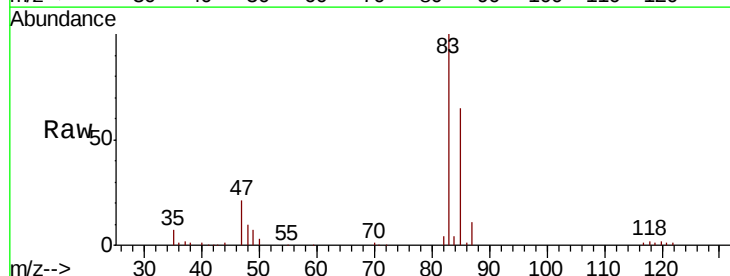
Instrument :
MSVOA_W
ClientSampled :

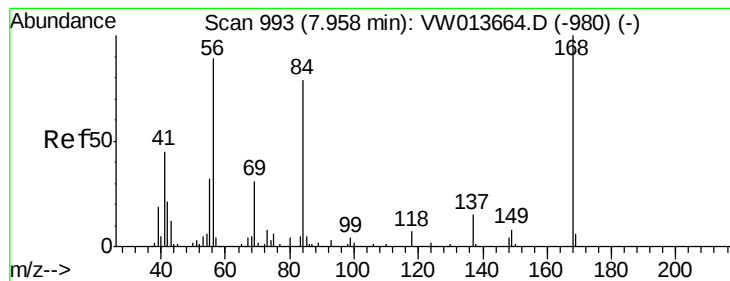
Tot Ion: 42 Resp: 50263
Ion Ratio Lower Upper
42 100
72 43.4 35.3 52.9
71 41.4 33.3 49.9



#30
Chloroform
Concen: 19.871 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 83 Resp: 101140
Ion Ratio Lower Upper
83 100
85 65.0 51.4 77.2





#31

Cyclohexane

Concen: 19.798 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampled :

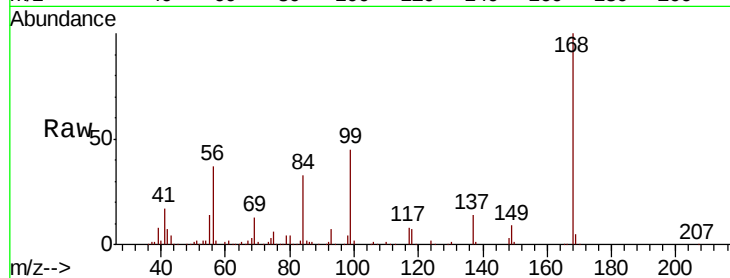
Tot Ion: 56 Resp: 106679

Ion Ratio Lower Upper

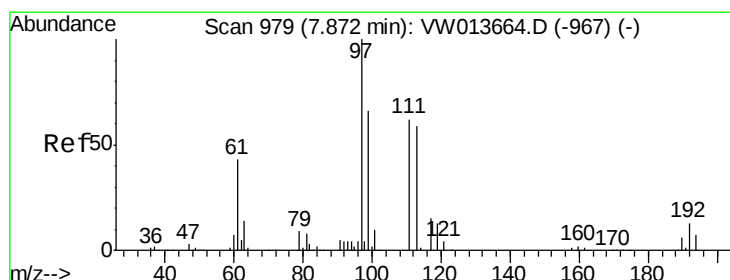
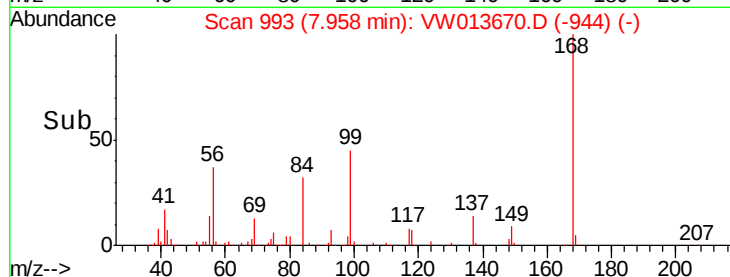
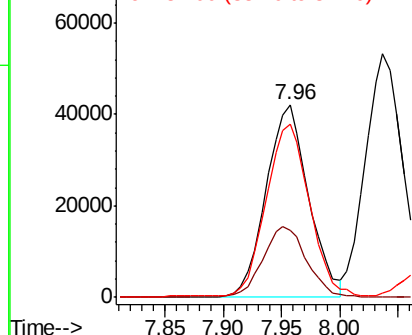
56 100

69 34.5 27.5 41.3

84 89.0 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: 20.262 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

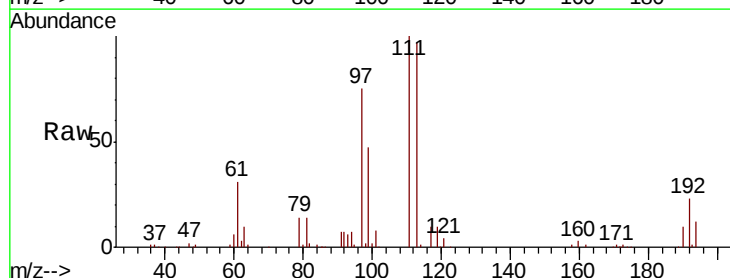
Tgt Ion: 97 Resp: 80930

Ion Ratio Lower Upper

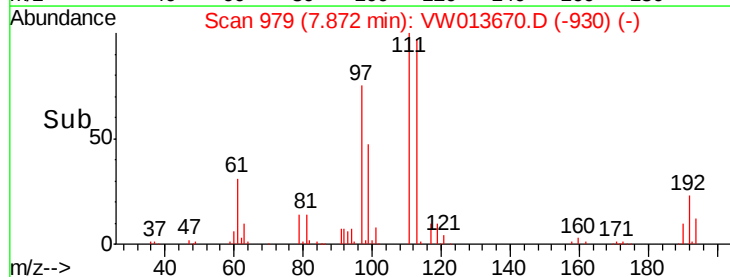
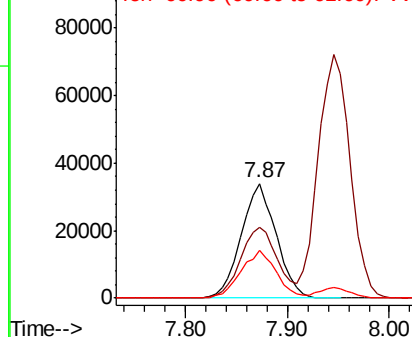
97 100

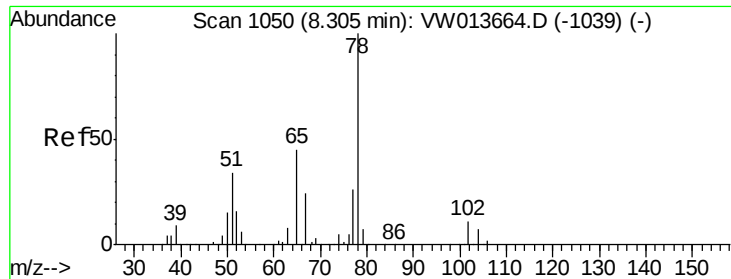
99 65.9 52.0 78.0

61 41.8 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

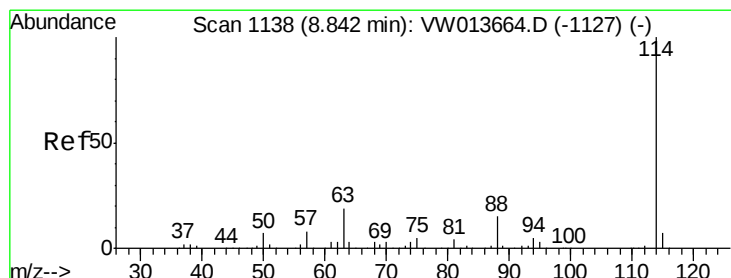
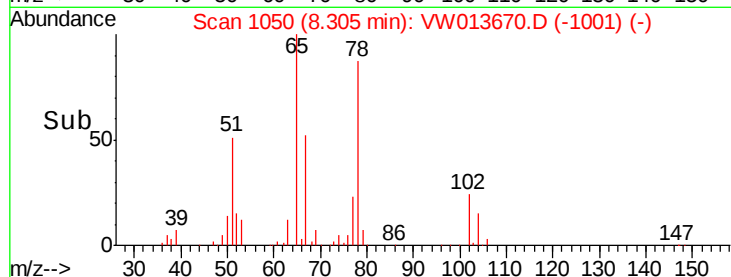
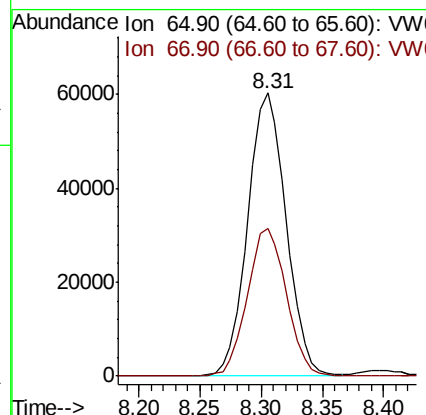
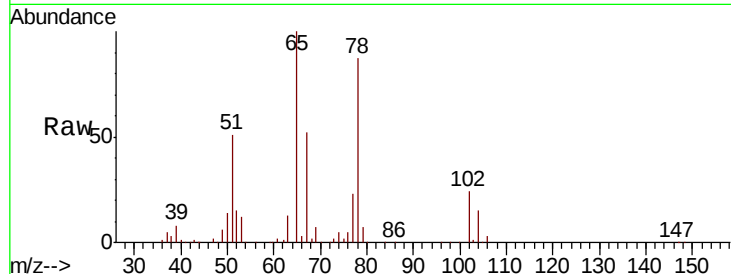




#33
 1,2-Dichloroethane-d4
 Concen: 54.364 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

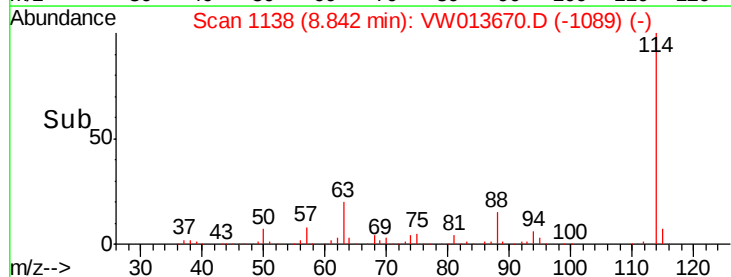
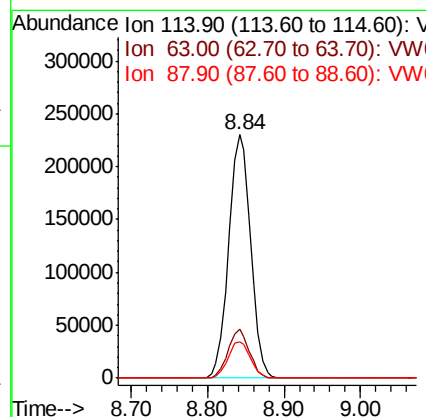
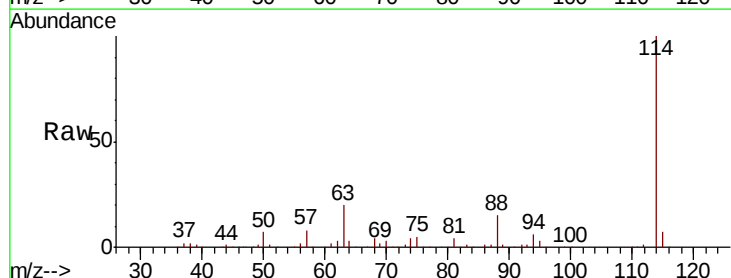
Instrument :
 MSVOA_W
 ClientSampled :

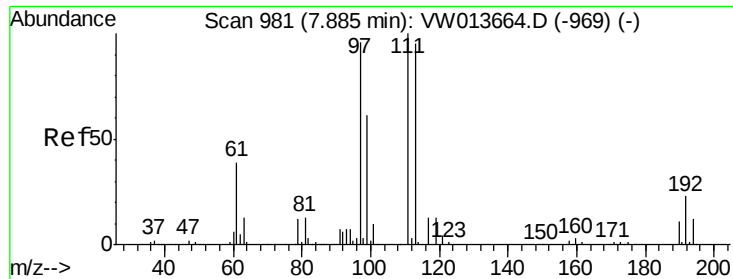
Tot Ion: 65 Resp: 131802
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Tgt Ion: 114 Resp: 455006
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 37.6
 88 15.1 0.0 30.2

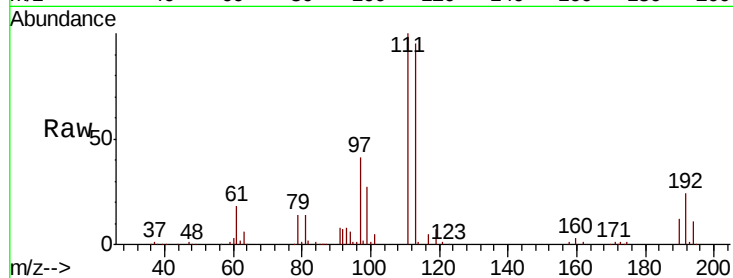




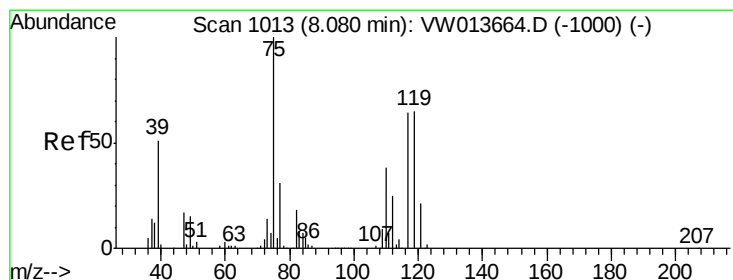
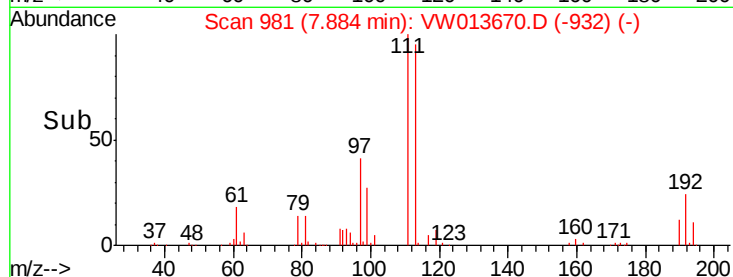
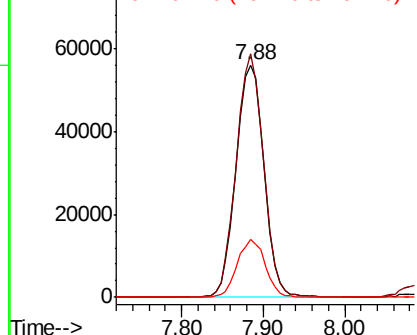
#35
Dibromofluoromethane
Concen: 52.622 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:113 Resp: 133042
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.6
192 24.7 19.4 29.2

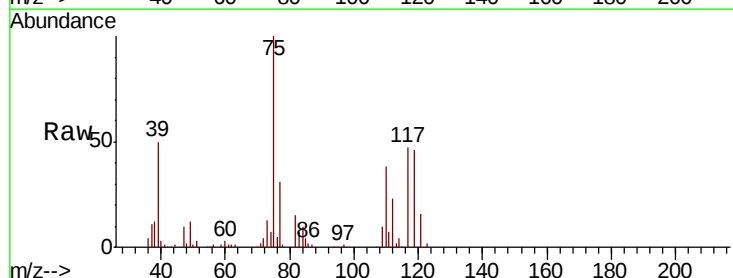


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

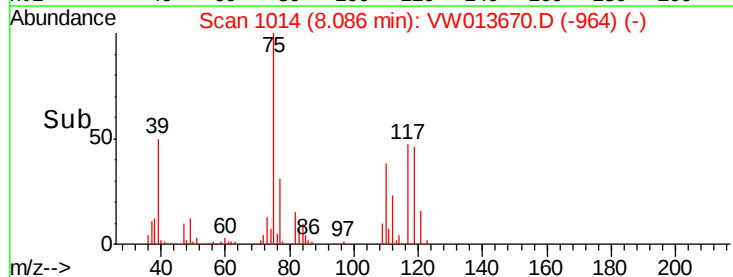
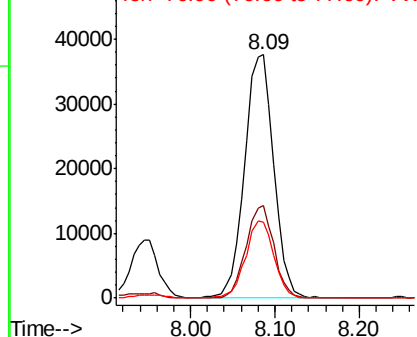


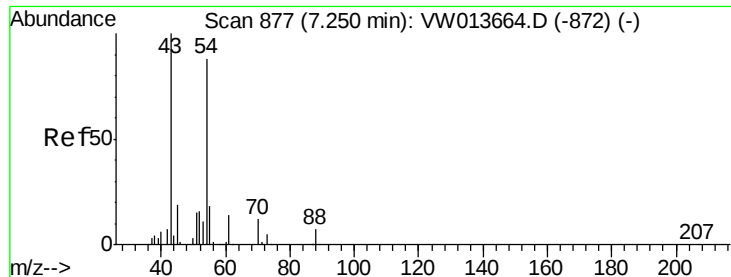
#36
1,1-Dichloropropene
Concen: 20.647 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 75 Resp: 87493
Ion Ratio Lower Upper
75 100
110 36.3 18.7 56.1
77 30.8 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

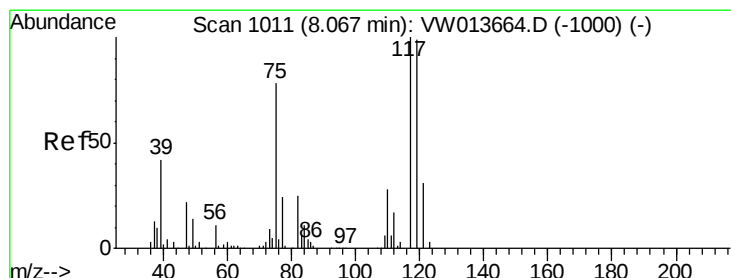
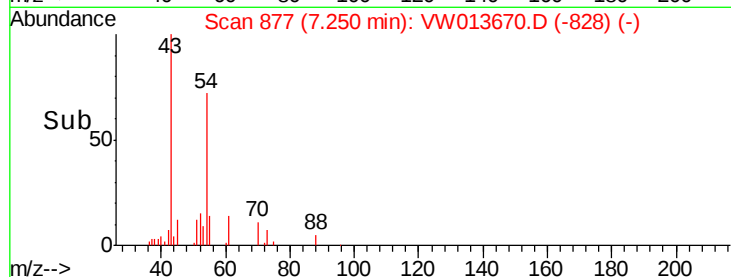
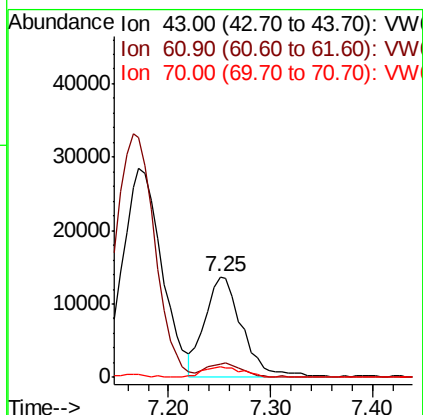
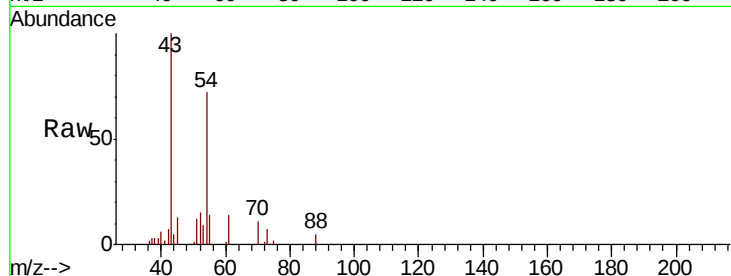




#37
Ethyl Acetate
Concen: 21.284 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

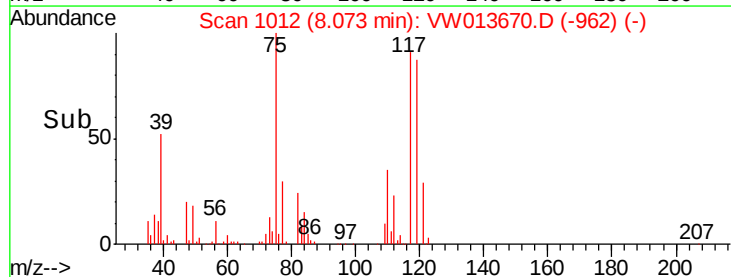
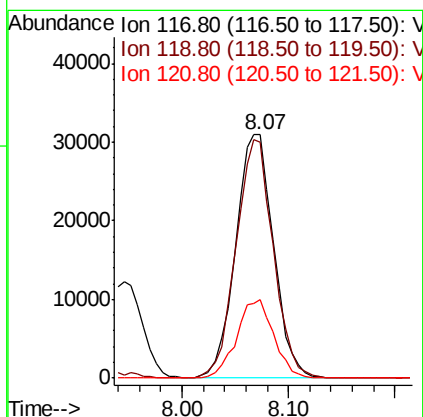
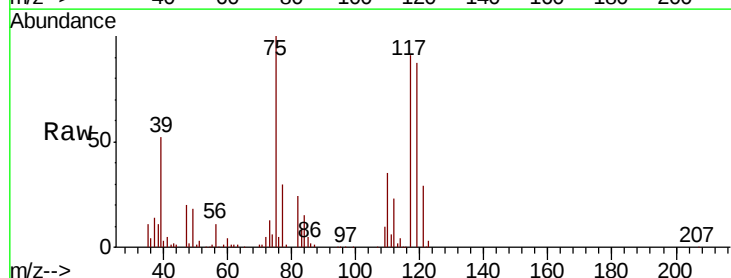
Instrument :
MSVOA_W
ClientSampleId :

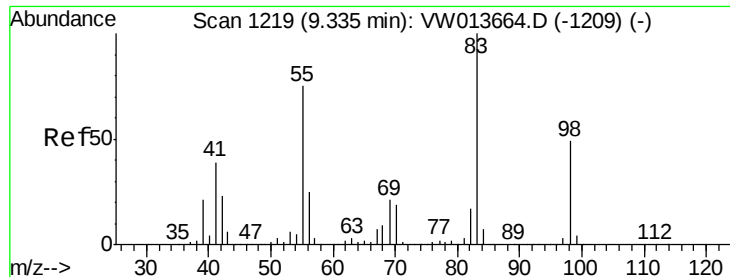
Tot Ion: 43 Resp: 34525
Ion Ratio Lower Upper
43 100
61 13.0 11.7 17.5
70 11.4 8.8 13.2



#38
Carbon Tetrachloride
Concen: 20.255 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 117 Resp: 77290
Ion Ratio Lower Upper
117 100
119 96.7 79.0 118.4
121 32.2 24.5 36.7

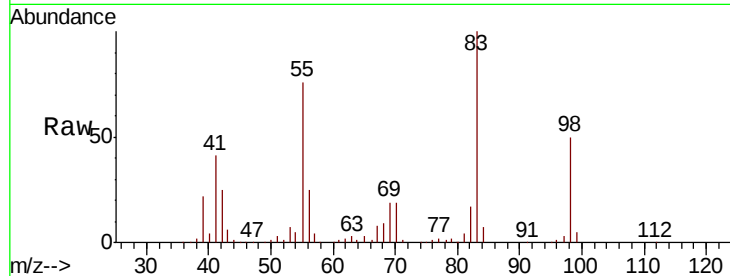




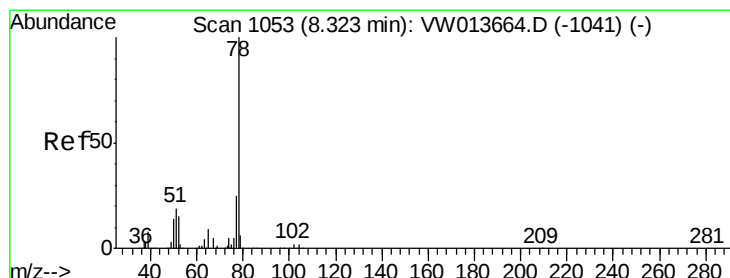
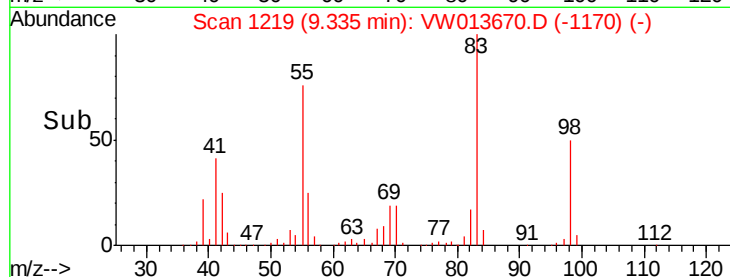
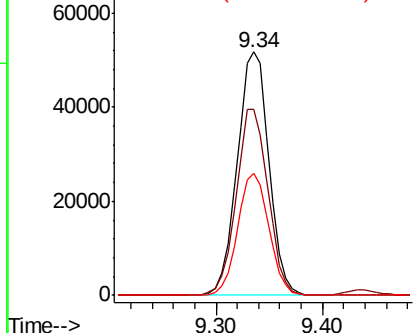
#39
Methvlcvclohexane
Concen: 19.780 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 108243
Ion Ratio Lower Upper
83 100
55 76.5 59.9 89.9
98 50.1 39.4 59.2

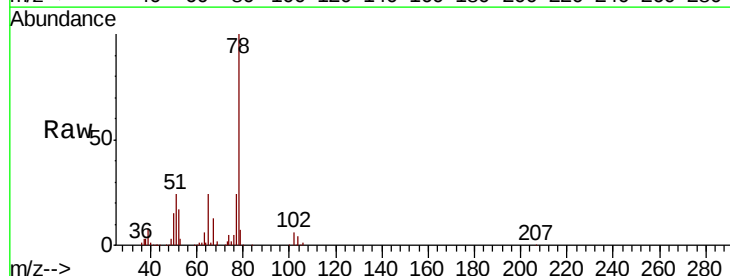


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

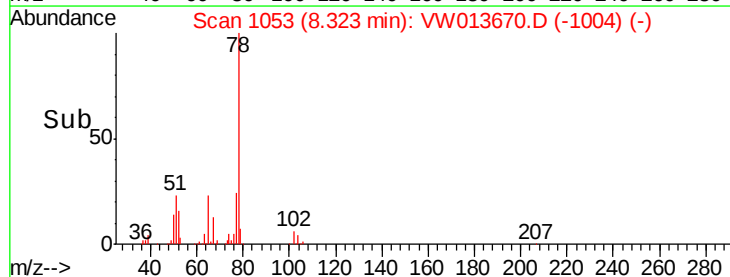
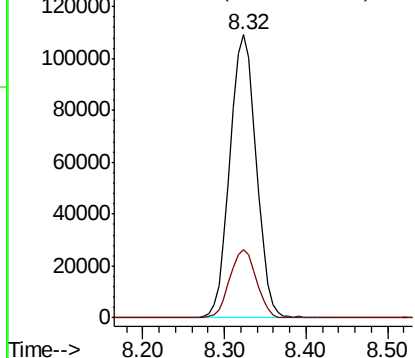


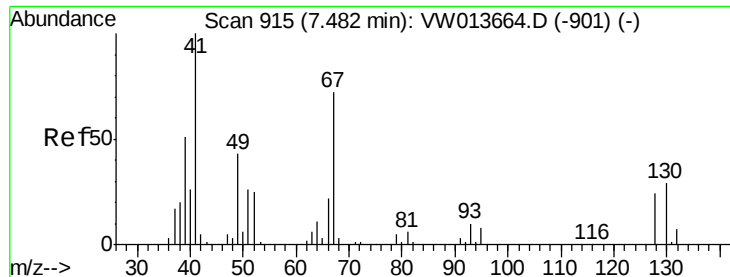
#40
Benzene
Concen: 20.235 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 78 Resp: 242656
Ion Ratio Lower Upper
78 100
77 24.1 19.6 29.4



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

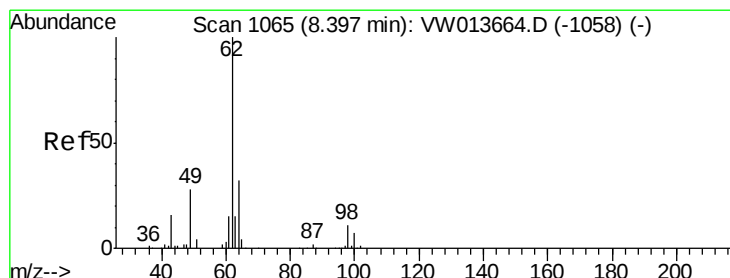
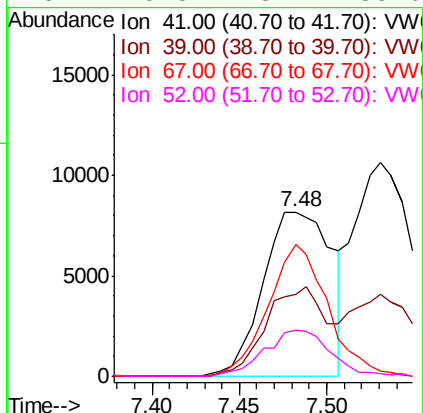
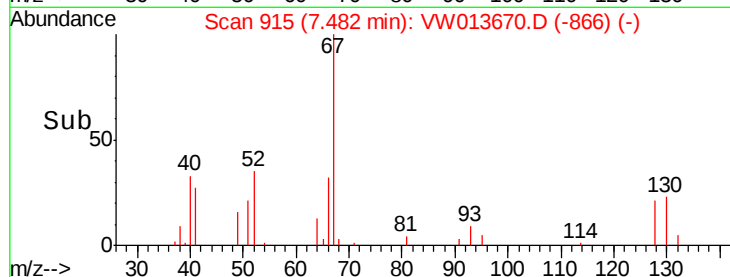
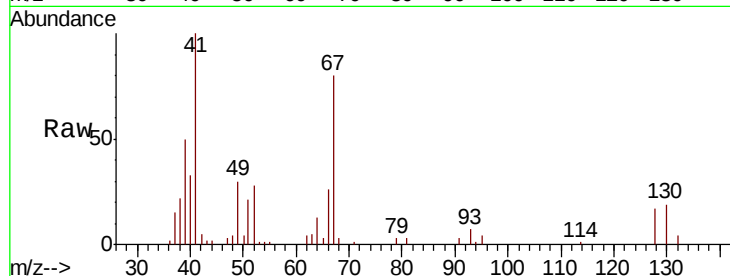




#41
Methacrylonitrile
Concen: 22.104 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

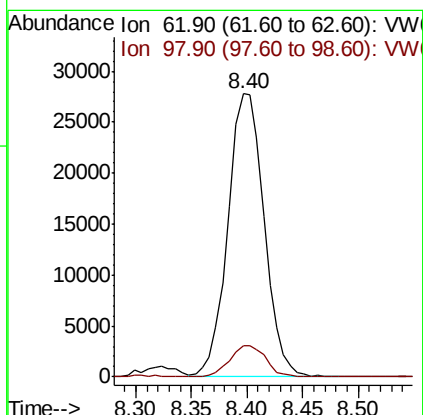
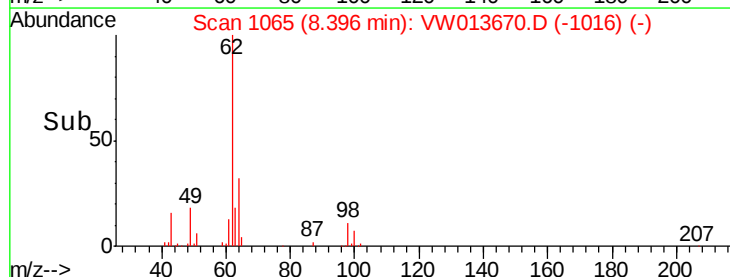
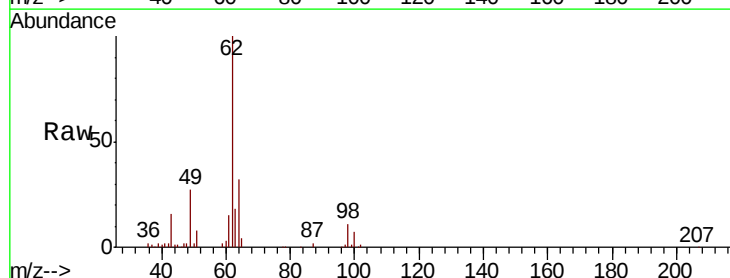
Instrument :
MSVOA_W
ClientSampleId :

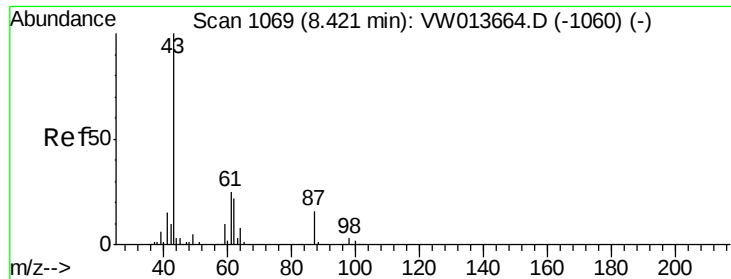
Tot Ion:	41	Resp:	22359
Ion	Ratio	Lower	Upper
41	100		
39	49.2	44.8	67.2
67	69.6	59.3	88.9
52	26.8	23.4	35.0



#42
1,2-Dichloroethane
Concen: 20.746 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion:	62	Resp:	62693
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.4





#43

Isopropyl Acetate

Concen: 21.468 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

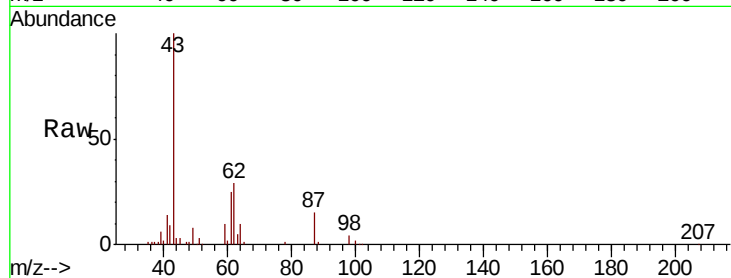
Tot Ion: 43 Resp: 66657

Ion Ratio Lower Upper

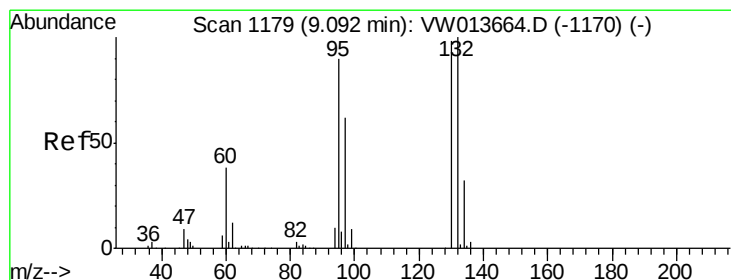
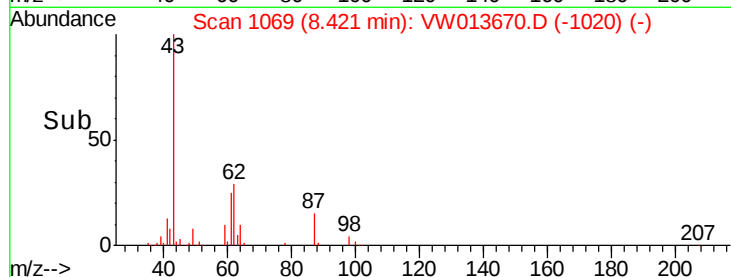
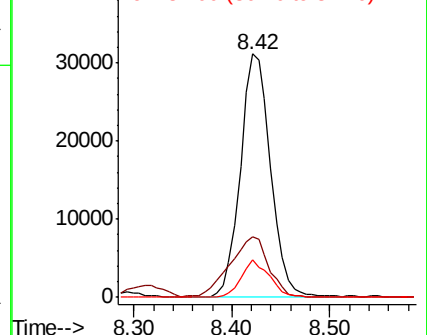
43 100

61 32.0 26.1 39.1

87 14.1 11.4 17.0



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



#44

Trichloroethene

Concen: 20.417 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013670.D

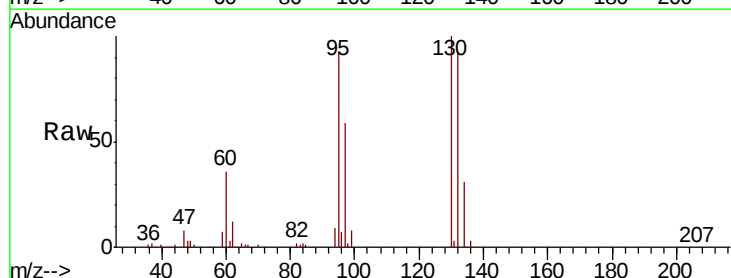
Acq: 23 Oct 2019 16:39

Tgt Ion: 130 Resp: 70134

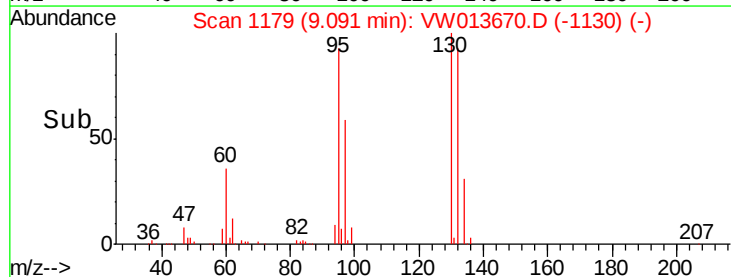
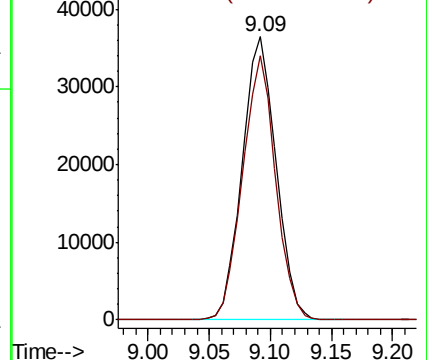
Ion Ratio Lower Upper

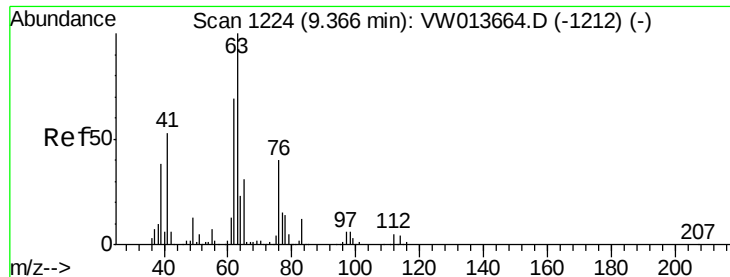
130 100

95 93.3 0.0 184.6



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





#45

1,2-Dichloropropane

Concen: 19.625 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

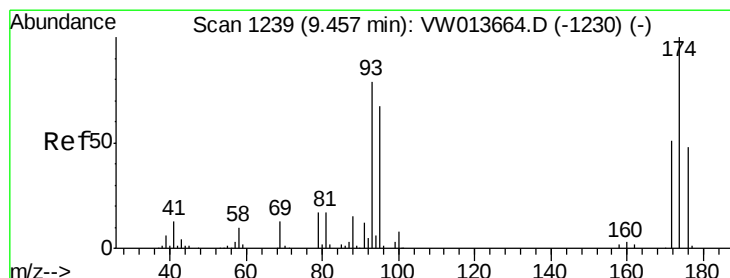
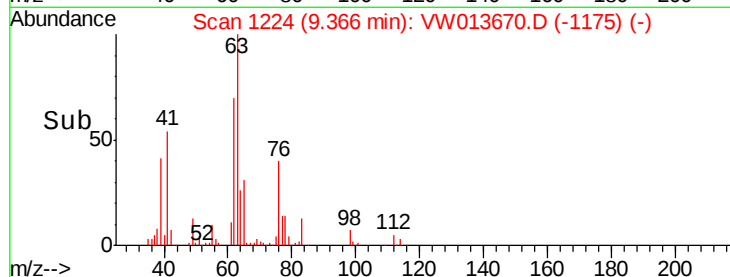
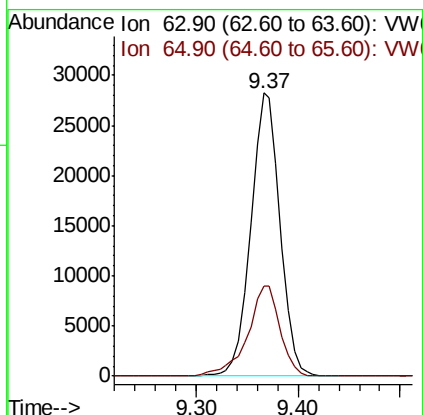
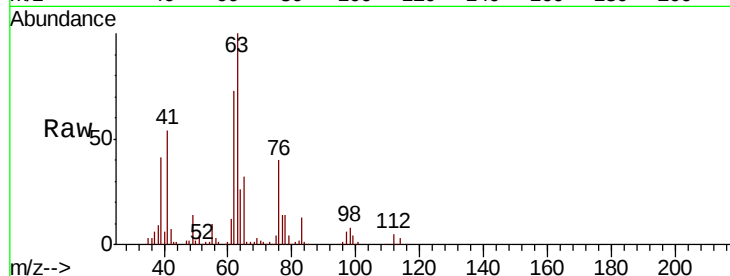
ClientSampleId :

Tot Ion: 63 Resp: 56215

Ion Ratio Lower Upper

63 100

65 31.6 25.2 37.8



#46

Dibromomethane

Concen: 20.725 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

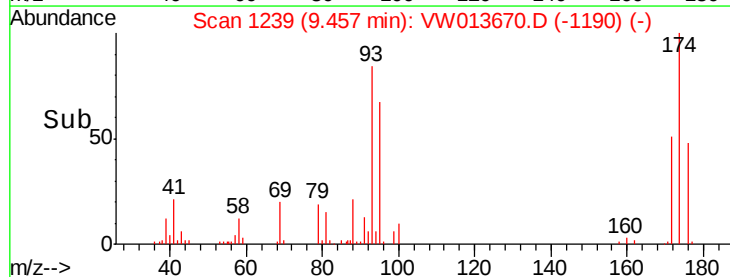
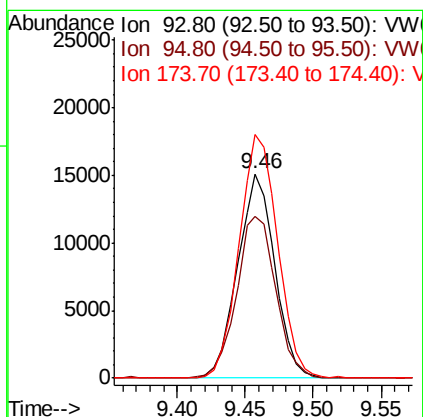
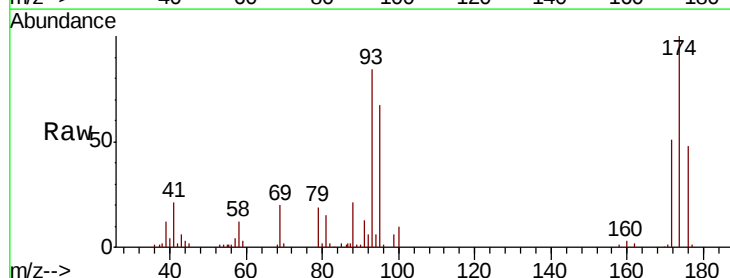
Tgt Ion: 93 Resp: 28813

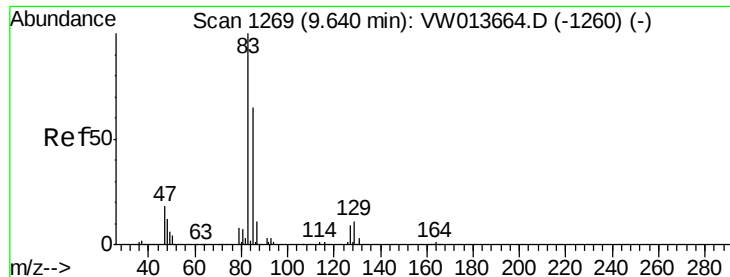
Ion Ratio Lower Upper

93 100

95 83.8 66.5 99.7

174 123.8 99.6 149.4





#47

Bromodichloromethane

Concen: 20.161 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampled :

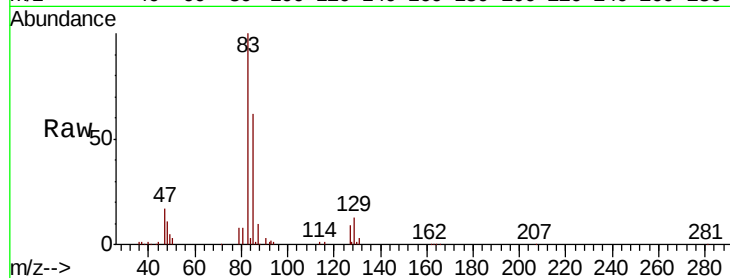
Tot Ion: 83 Resp: 72523

Ion Ratio Lower Upper

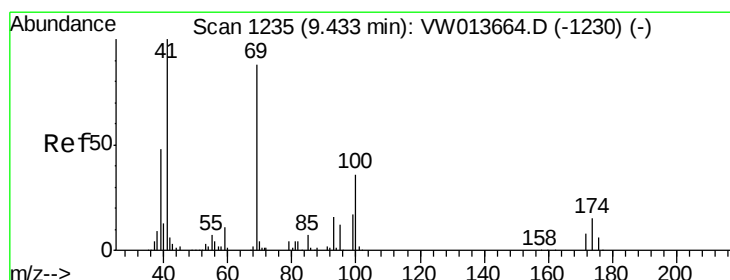
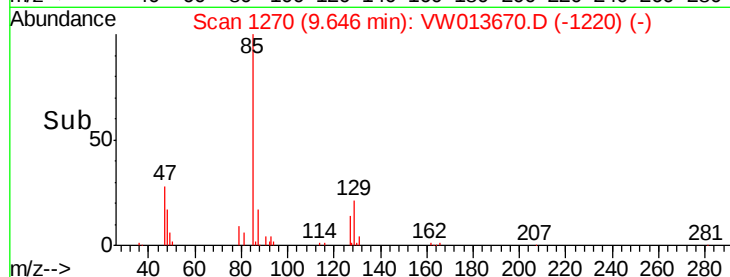
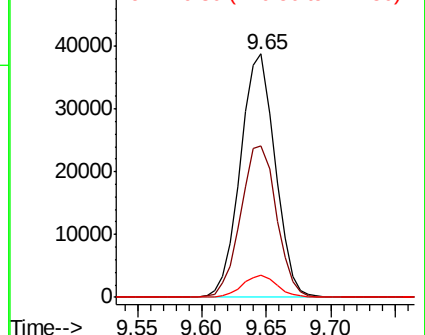
83 100

85 62.0 51.8 77.6

127 8.9 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: 21.718 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

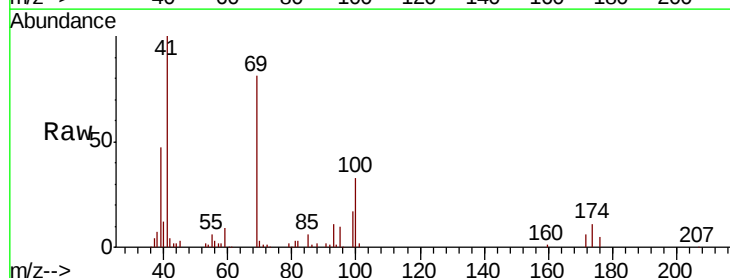
Tgt Ion: 41 Resp: 33440

Ion Ratio Lower Upper

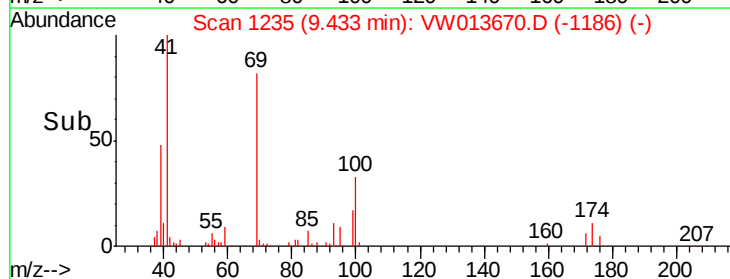
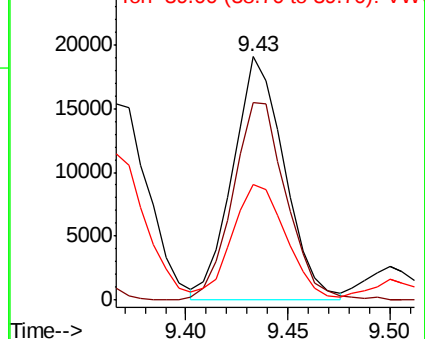
41 100

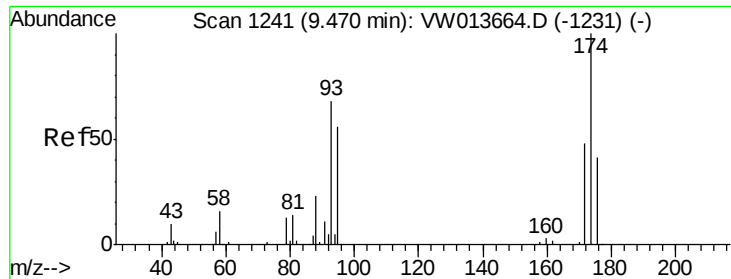
69 84.4 67.6 101.4

39 47.2 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: 434.776 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :

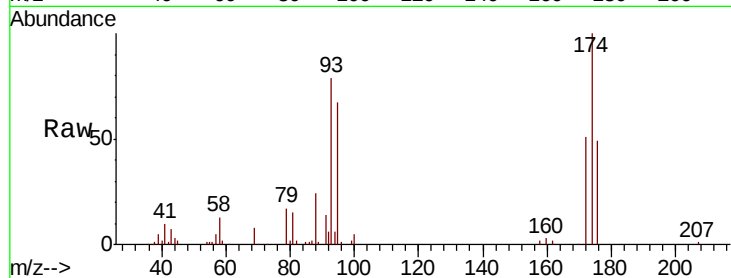
Tot Ion: 88 Resp: 8932

Ion Ratio Lower Upper

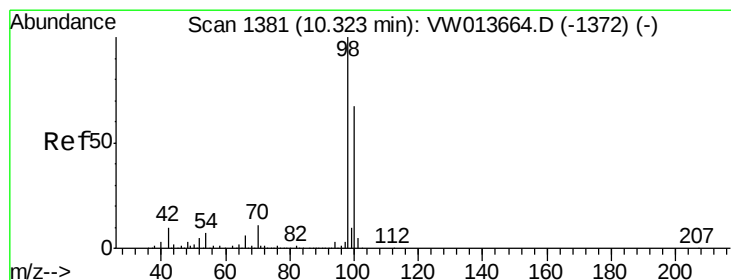
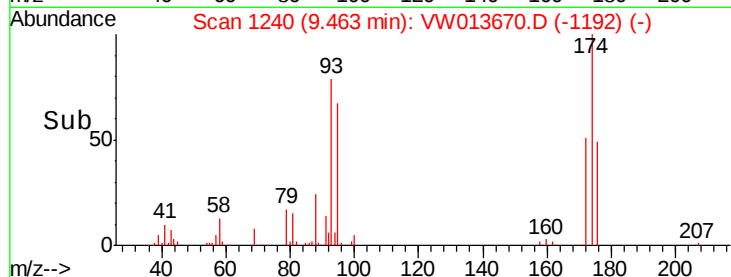
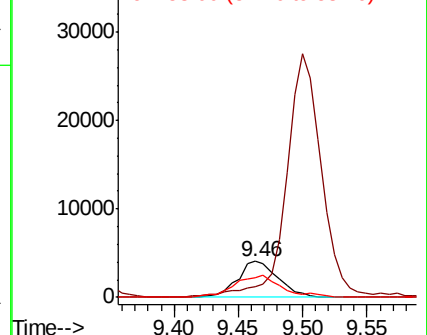
88 100

43 0.0 0.0 0.0

58 71.3 58.9 88.3



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



#50

Toluene-d8

Concen: 53.887 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013670.D

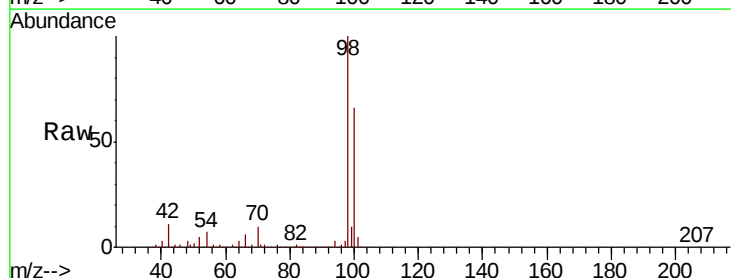
Acq: 23 Oct 2019 16:39

Tgt Ion: 98 Resp: 555148

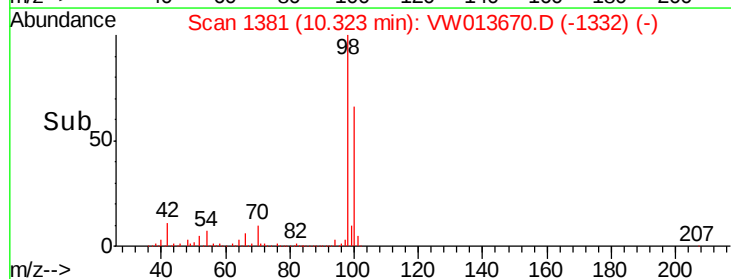
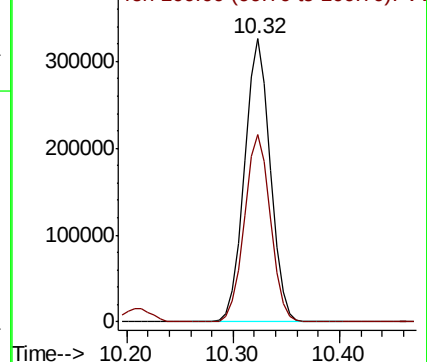
Ion Ratio Lower Upper

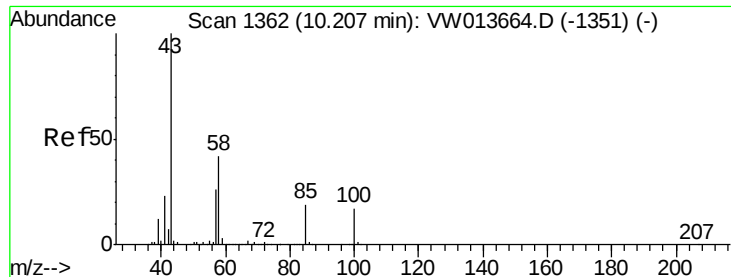
98 100

100 66.7 53.4 80.0



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

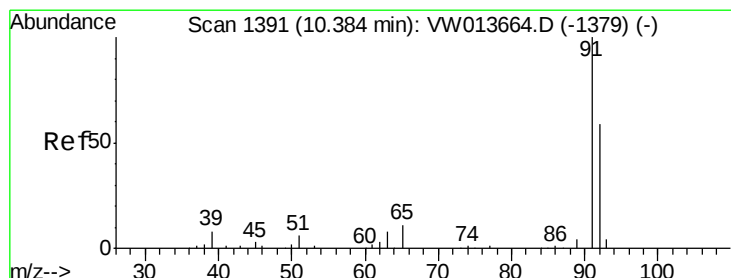
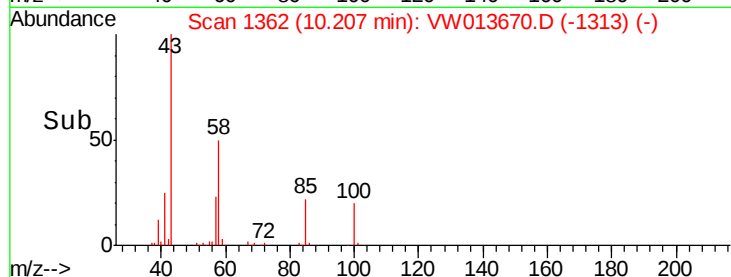
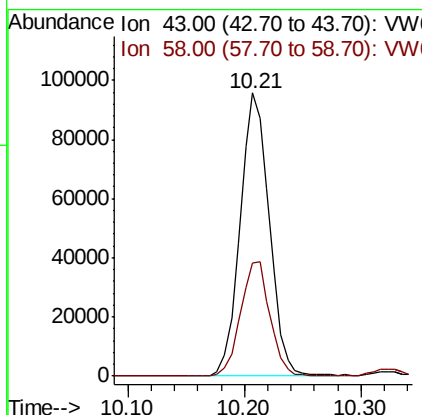
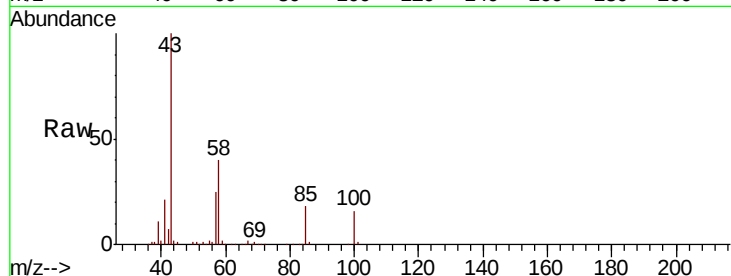




#51
4-Methyl-2-Pentanone
Concen: 108.213 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

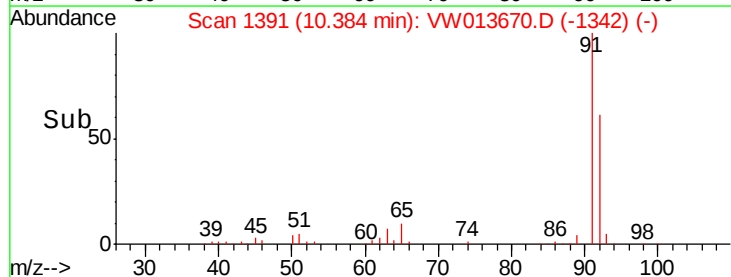
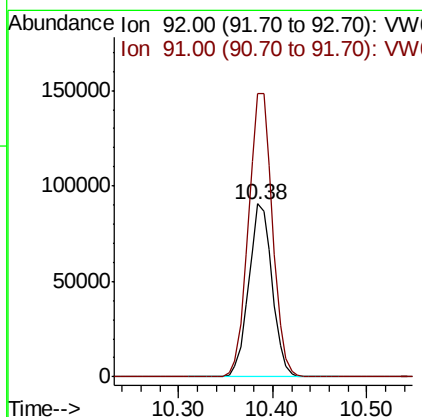
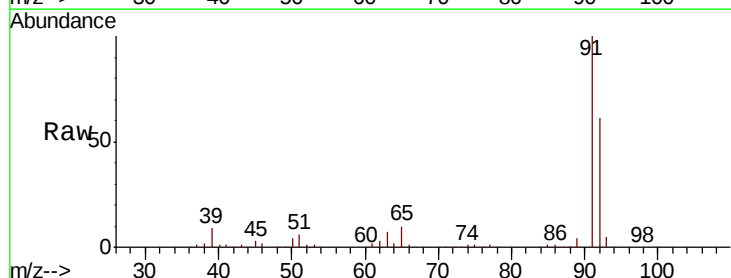
Instrument :
MSVOA_W
ClientSampleId :

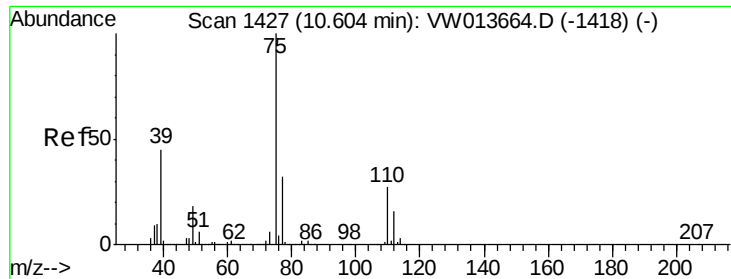
Tot Ion: 43 Resp: 166963
Ion Ratio Lower Upper
43 100
58 40.9 32.6 49.0



#52
Toluene
Concen: 20.475 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 92 Resp: 158385
Ion Ratio Lower Upper
92 100
91 168.1 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 20.505 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

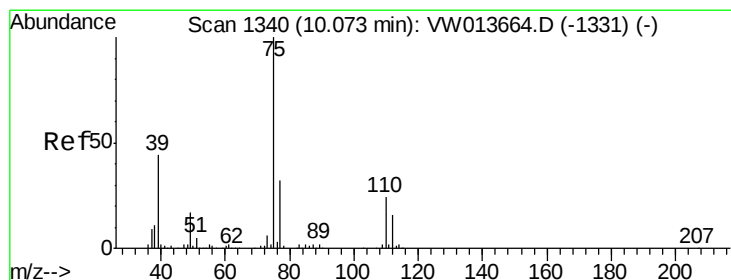
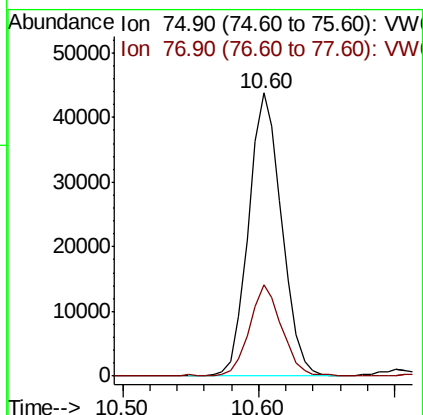
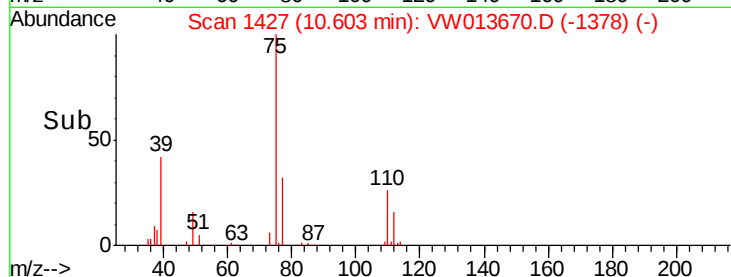
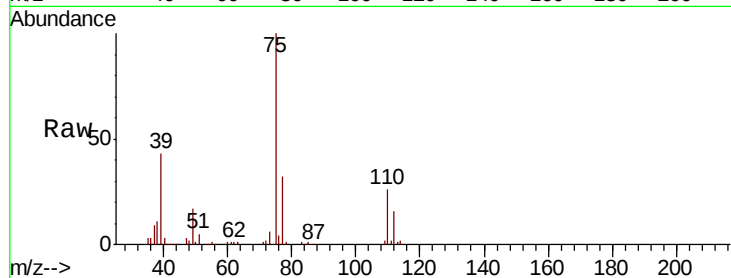
ClientSampleId :

Tot Ion: 75 Resp: 74670

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.716 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

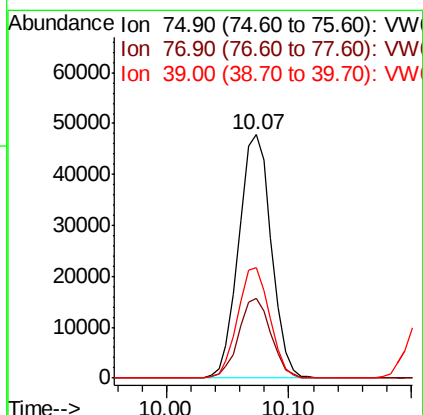
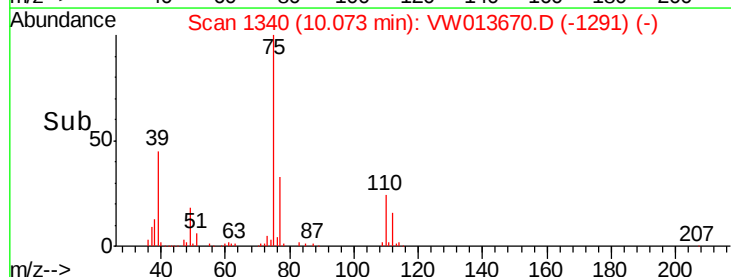
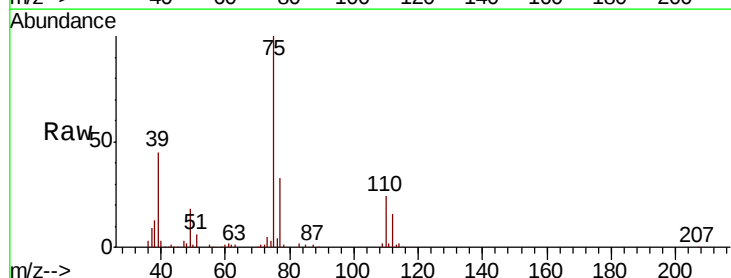
Tgt Ion: 75 Resp: 88582

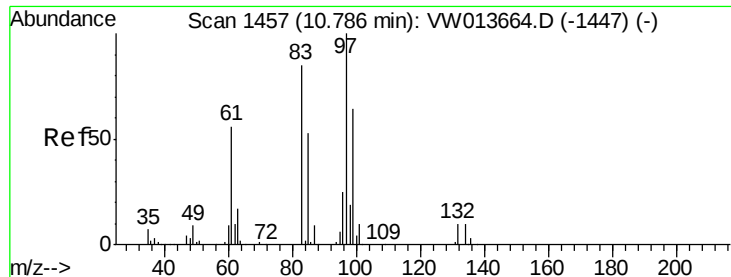
Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.6

39 45.4 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 21.113 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

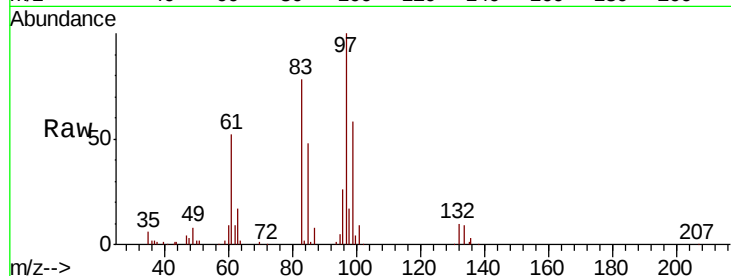
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 43746

Ion	Ratio	Lower	Upper
97	100		
83	78.1	67.8	101.8
85	48.2	42.1	63.1
99	57.5	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

40000

30000

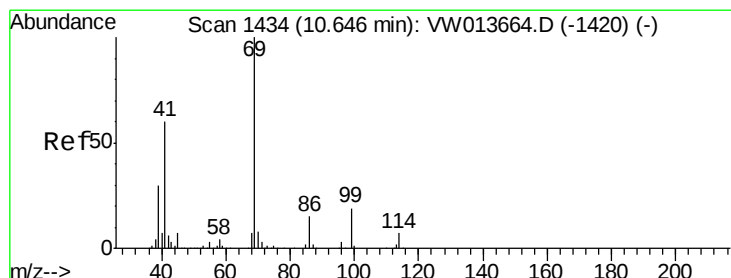
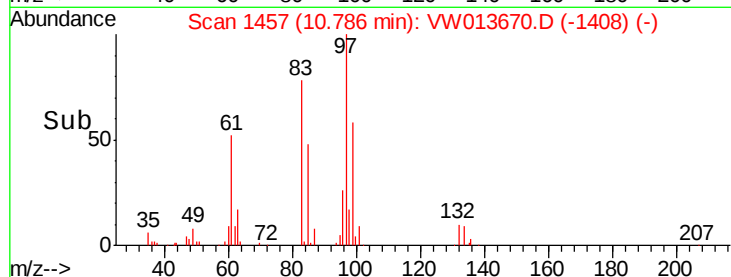
20000

10000

0

10.70 10.75 10.80 10.85

Time-->



#56

Ethyl methacrylate

Concen: 21.170 ug/l

RT: 10.65 min Scan# 1434

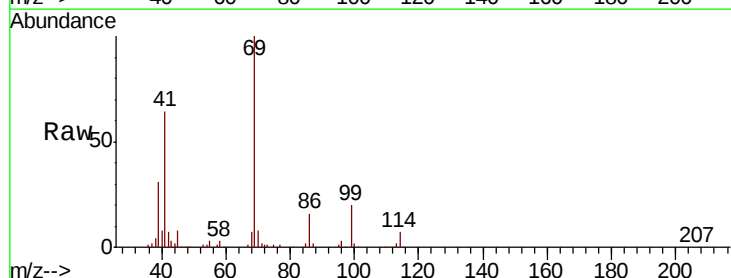
Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Tgt Ion: 69 Resp: 54878

Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.6	77.4
39	28.7	22.4	33.6



Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->

10.65

40000

30000

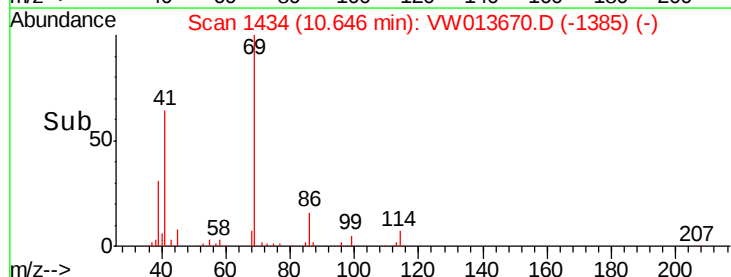
20000

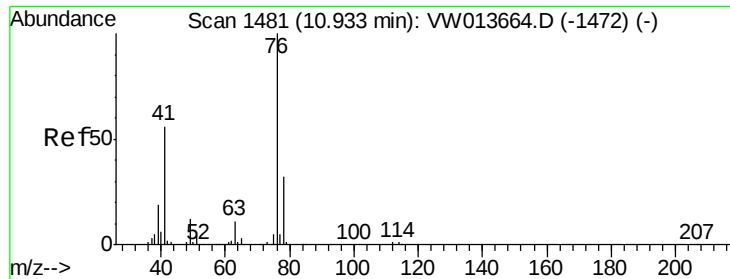
10000

0

10.60 10.65 10.70

Time-->

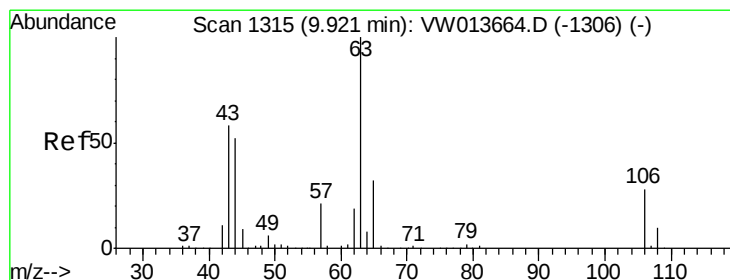
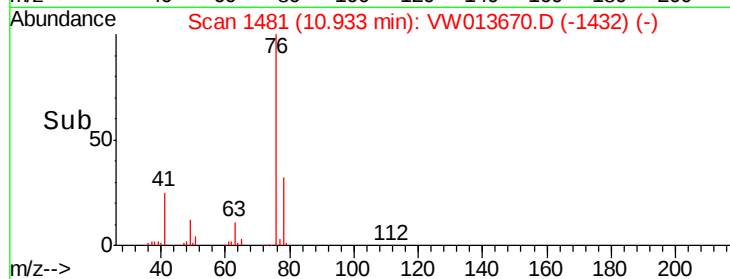
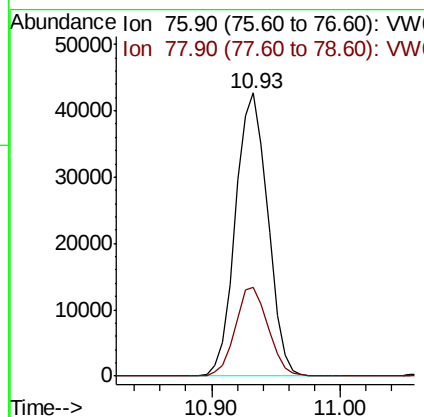
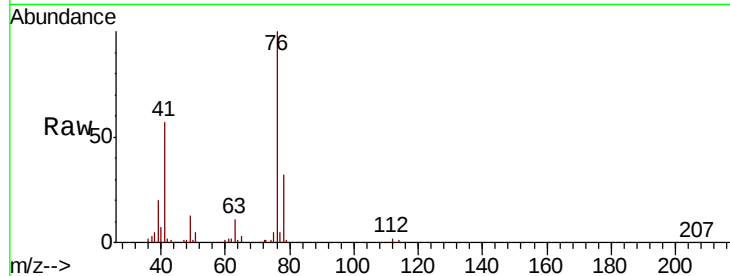




#57
 1,3-Dichloropropane
 Concen: 20.861 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

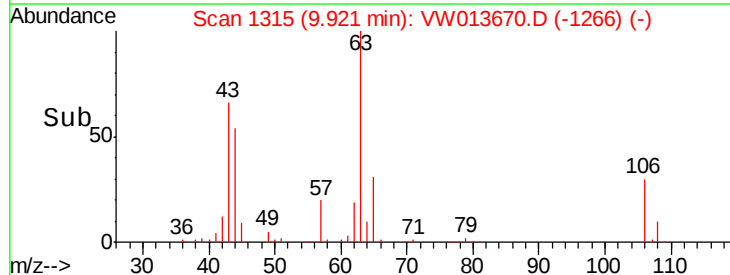
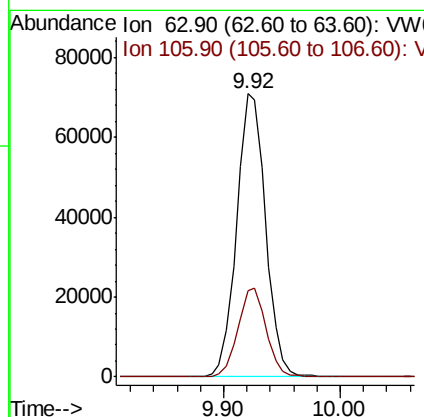
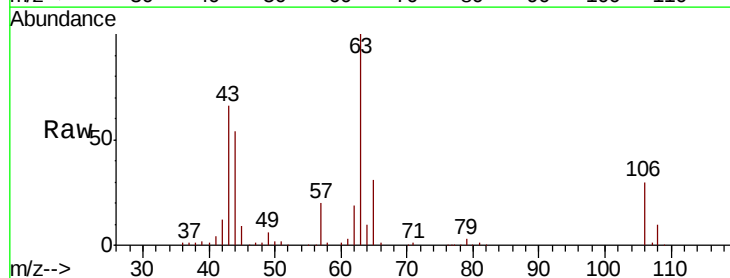
Instrument :
 MSVOA_W
 ClientSampleId :

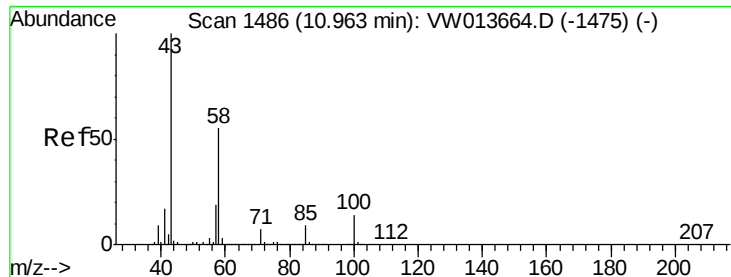
Tot Ion: 76 Resp: 74174
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.017 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Tgt Ion: 63 Resp: 122906
 Ion Ratio Lower Upper
 63 100
 106 30.5 23.8 35.8

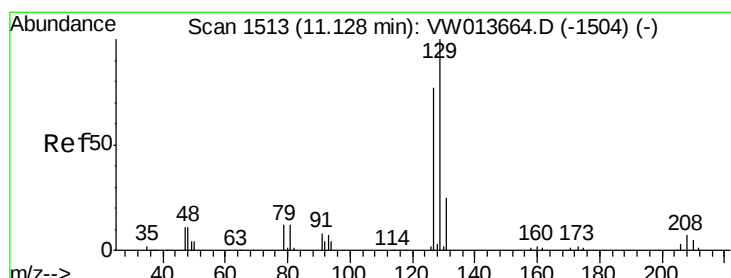
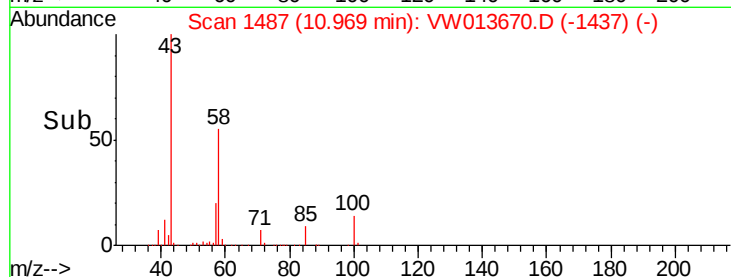
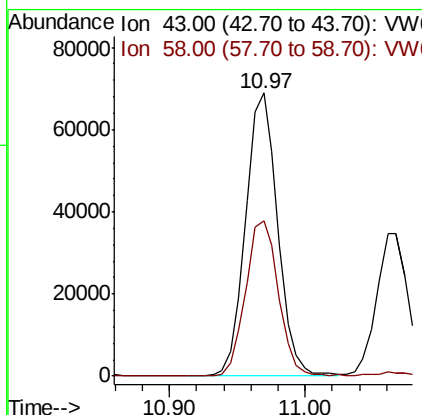
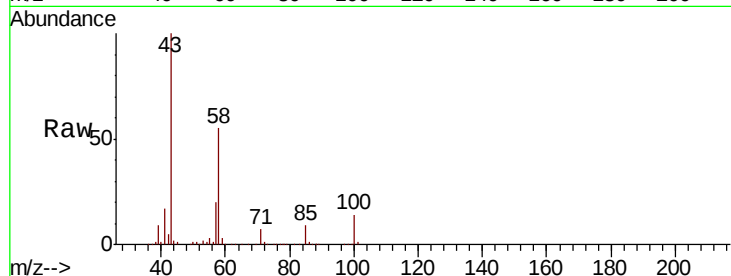




#59
2-Hexanone
Concen: 107.327 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

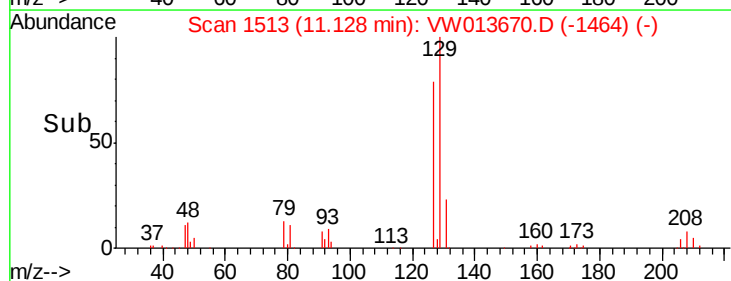
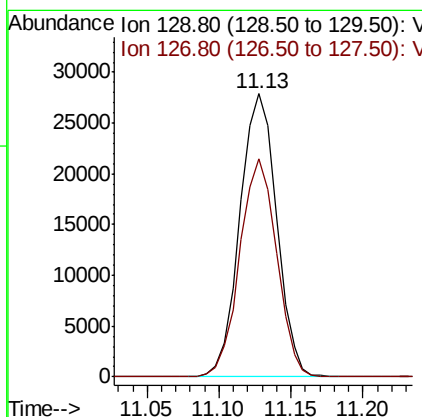
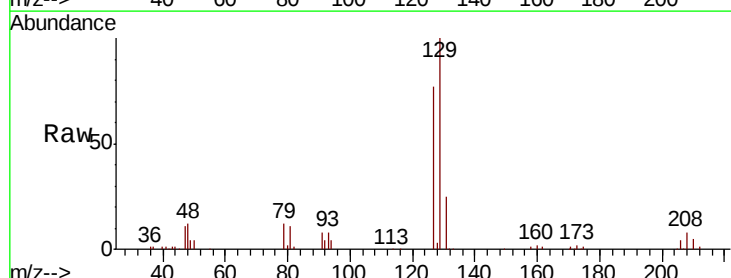
Instrument :
MSVOA_W
ClientSampleId :

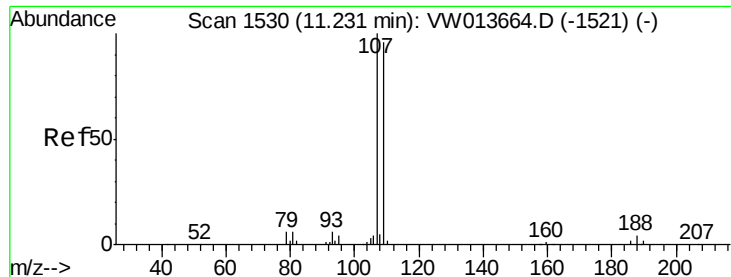
Tot Ion: 43 Resp: 114161
Ion Ratio Lower Upper
43 100
58 56.4 27.9 83.7



#60
Dibromochloromethane
Concen: 20.081 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 129 Resp: 49401
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7

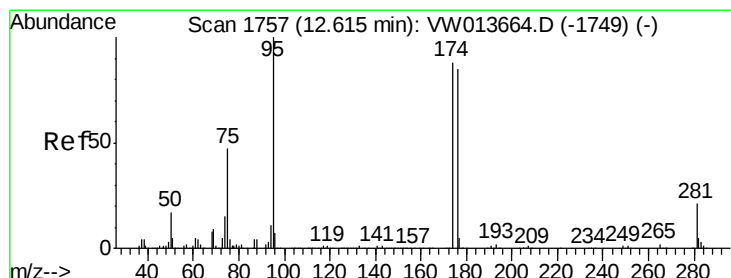
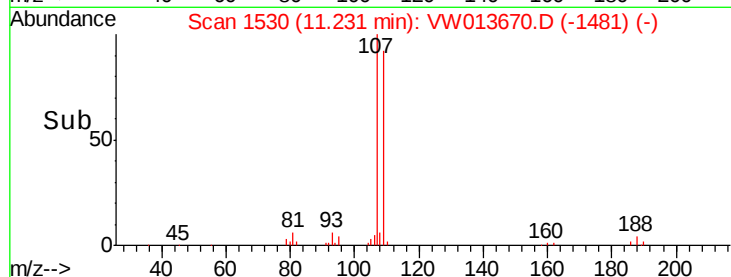
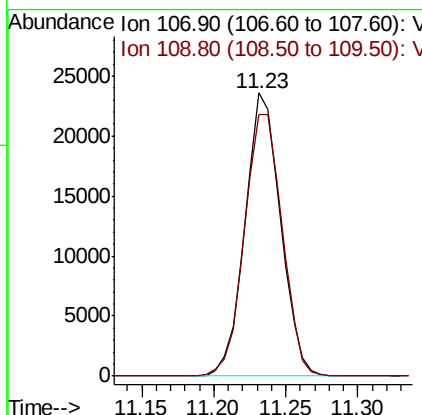
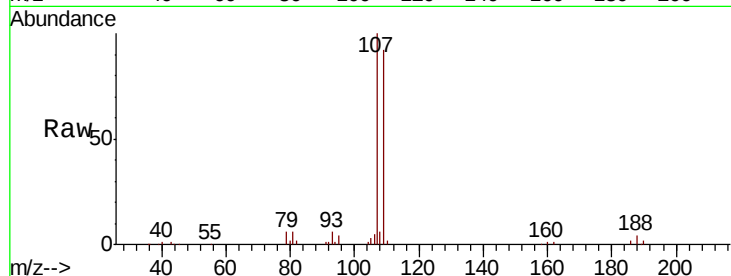




#61
 1,2-Dibromoethane
 Concen: 20.474 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

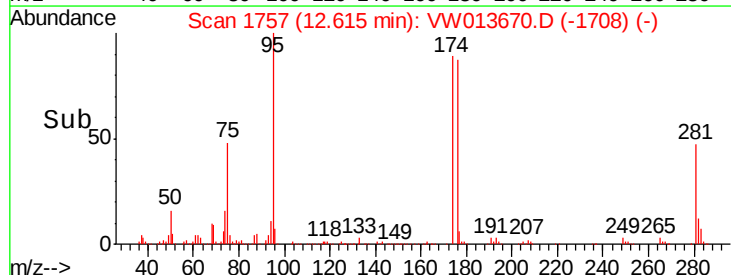
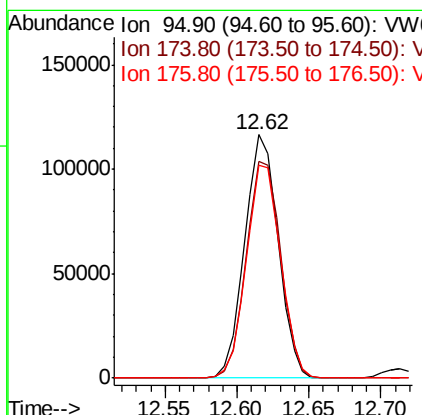
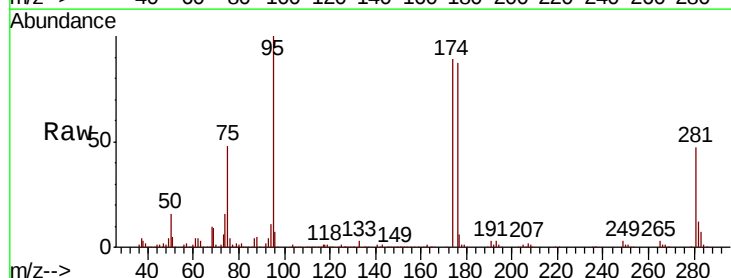
Instrument :
 MSVOA_W
 ClientSampled :

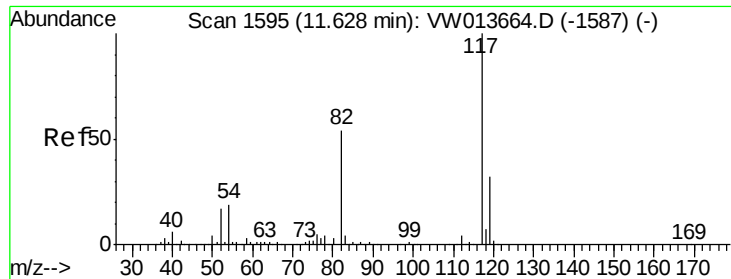
Tot Ion:107 Resp: 40133
 Ion Ratio Lower Upper
 107 100
 109 98.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 53.740 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Tgt Ion: 95 Resp: 187462
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 183.6
 176 89.4 0.0 178.0

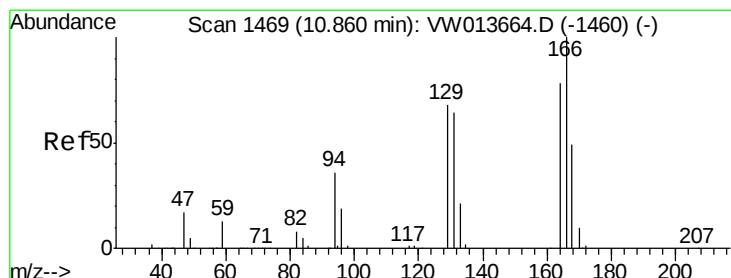
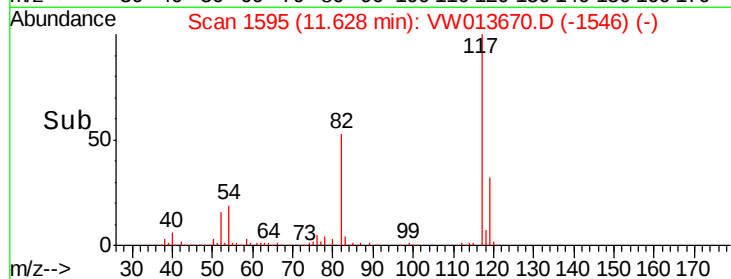
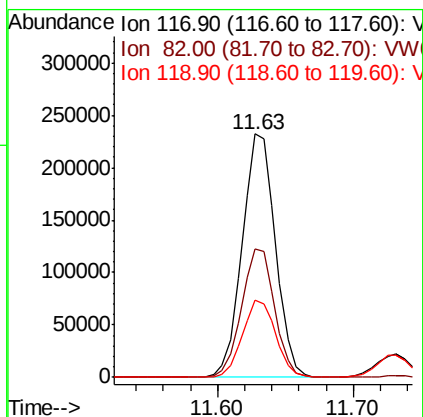
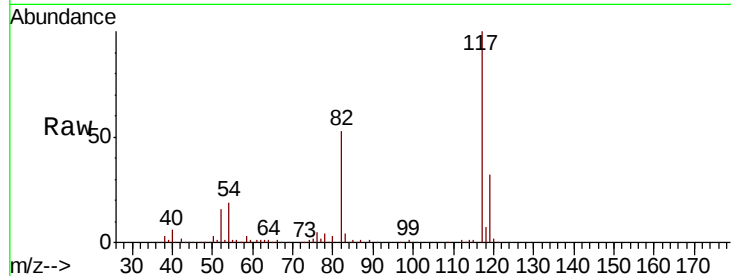




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

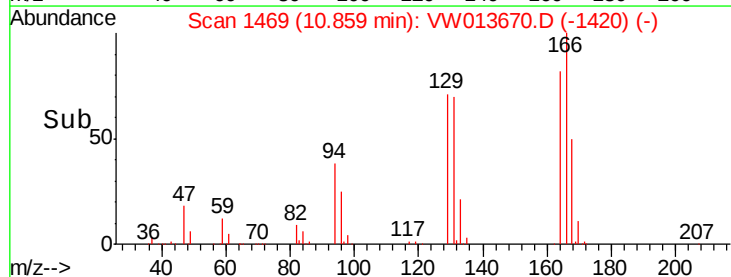
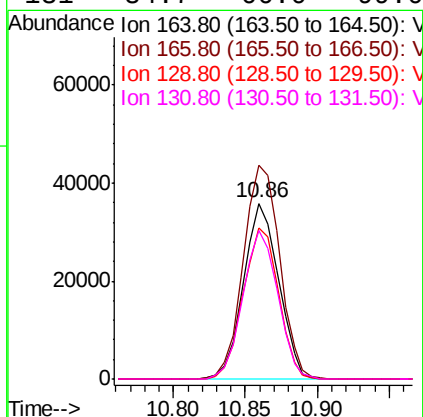
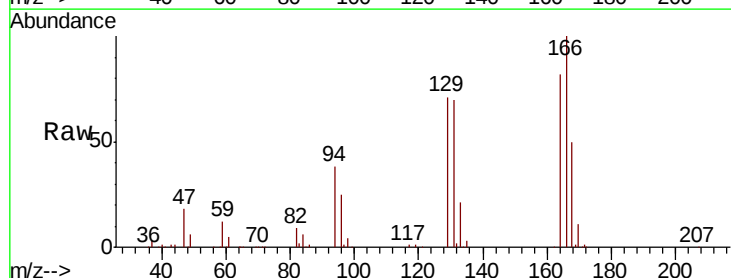
Instrument :
MSVOA_W
ClientSampleId :

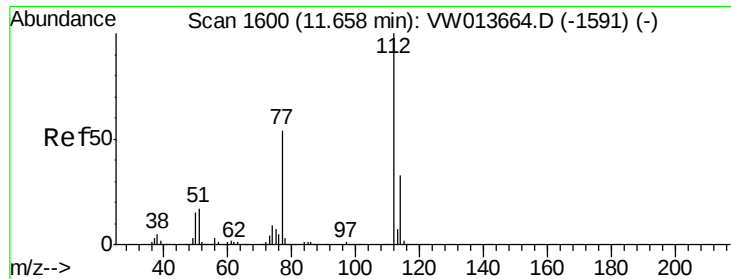
Tot Ion:117 Resp: 395448
Ion Ratio Lower Upper
117 100
82 52.9 43.6 65.4
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 20.015 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion:164 Resp: 60474
Ion Ratio Lower Upper
164 100
166 121.4 103.2 154.8
129 85.7 70.6 105.8
131 84.7 66.0 99.0

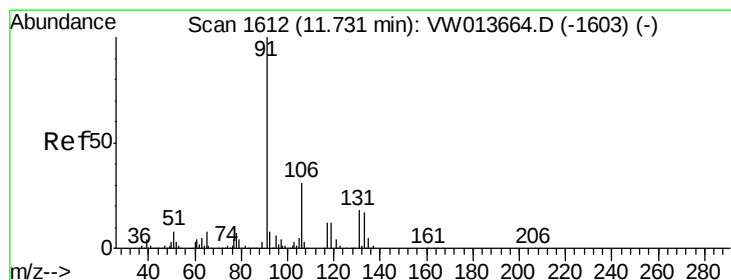
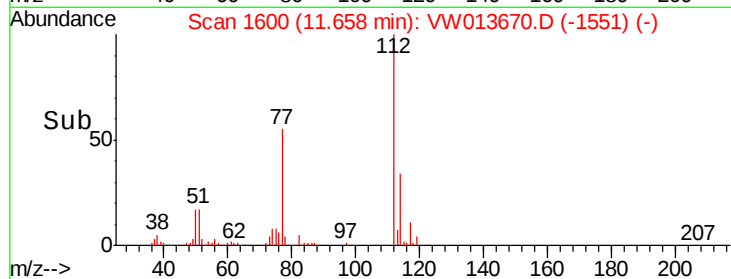
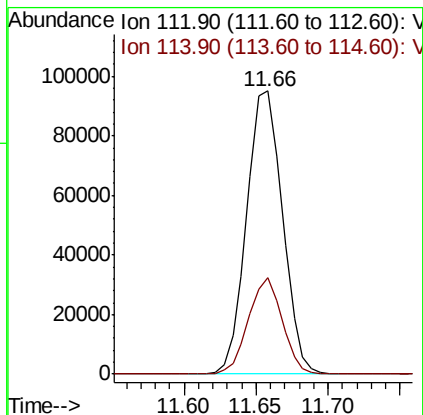
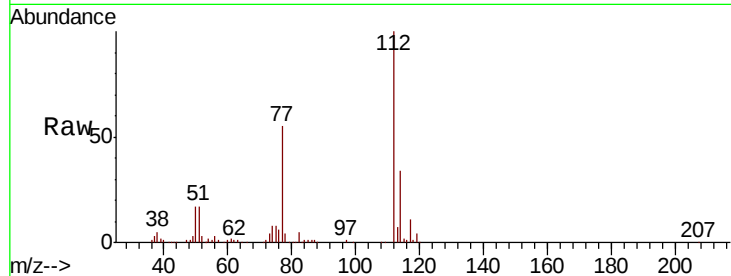




#65
Chlorobenzene
Concen: 20.153 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

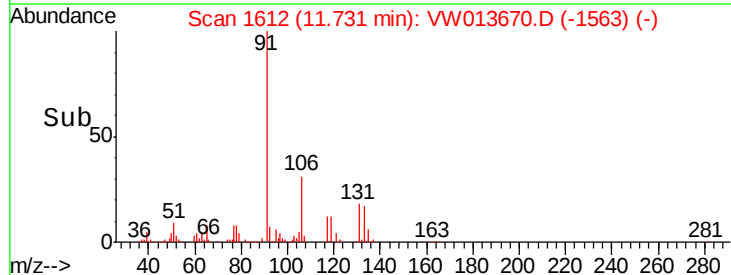
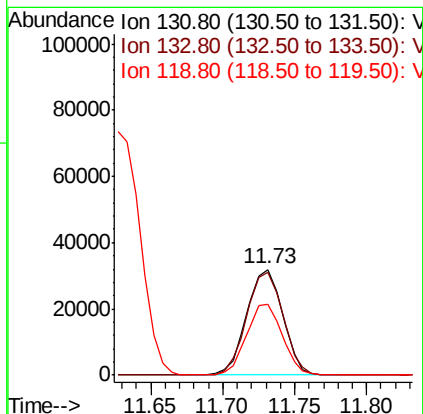
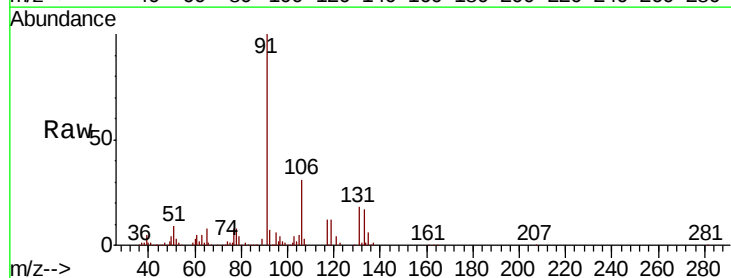
Instrument :
MSVOA_W
ClientSampled :

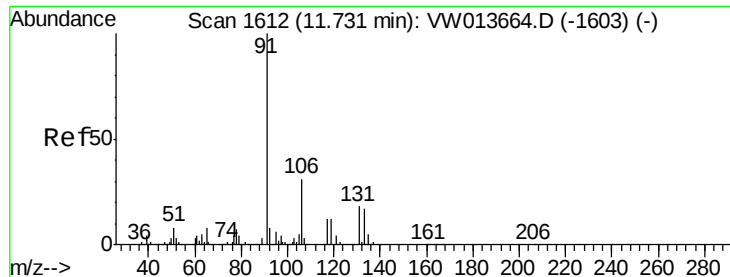
Tot Ion:112 Resp: 163767
Ion Ratio Lower Upper
112 100
114 34.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.549 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion:131 Resp: 55442
Ion Ratio Lower Upper
131 100
133 97.9 47.4 142.3
119 66.6 33.1 99.2

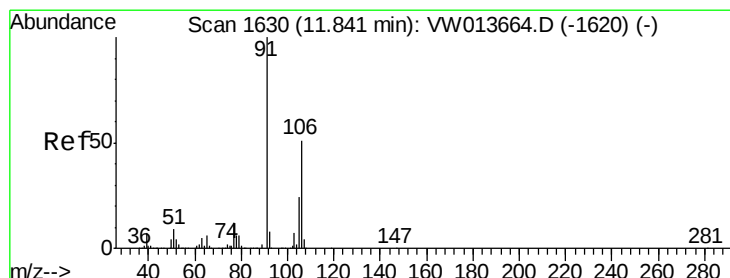
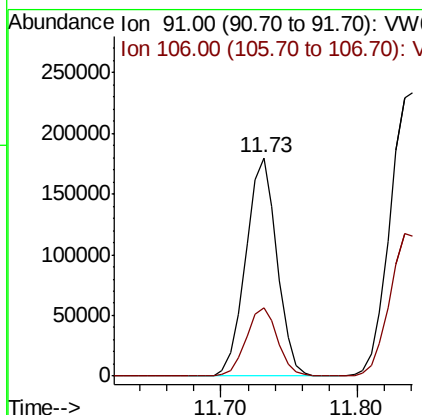
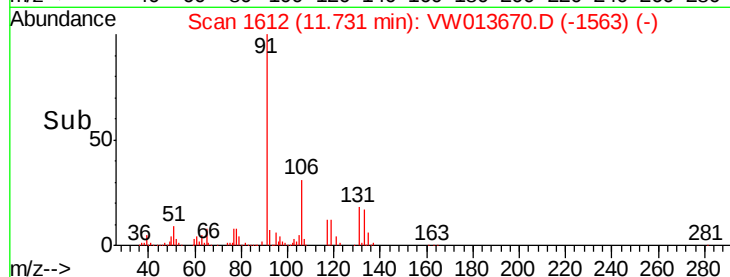
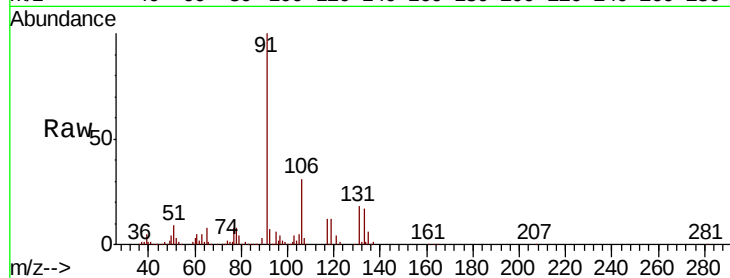




#67
Ethyl Benzene
Concen: 19.699 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

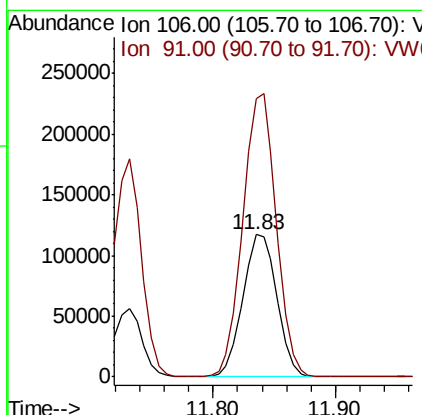
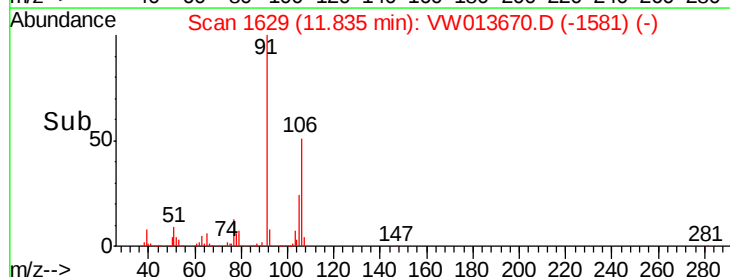
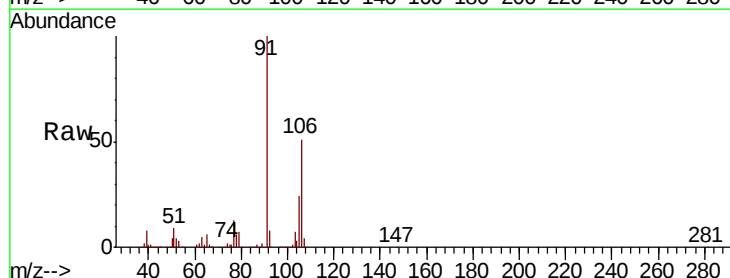
Instrument :
MSVOA_W
ClientSampleId :

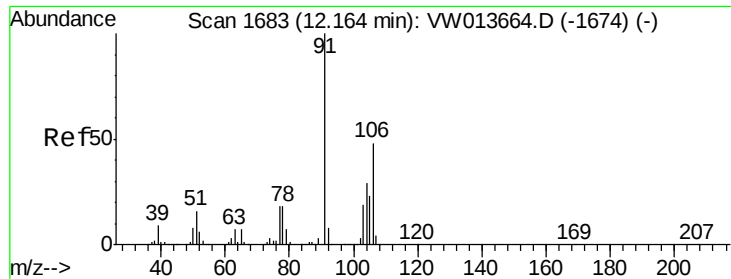
Tot Ion: 91 Resp: 288651
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6



#68
m/p-Xylenes
Concen: 40.027 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 106 Resp: 226599
Ion Ratio Lower Upper
106 100
91 194.7 159.2 238.8

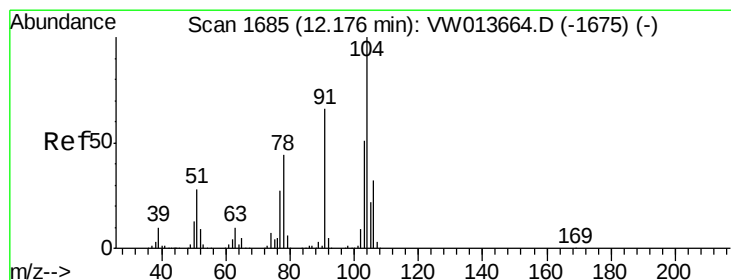
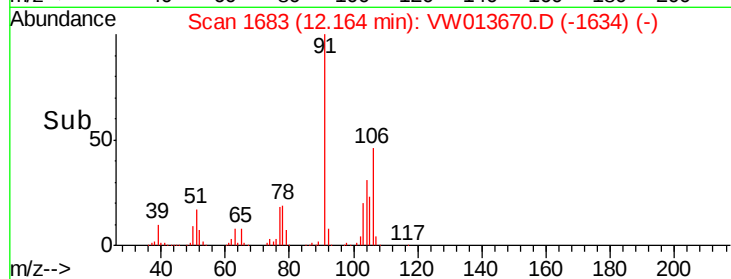
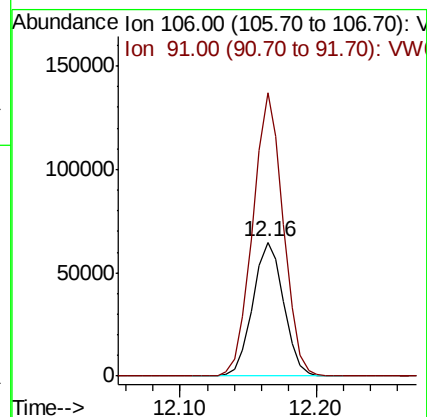
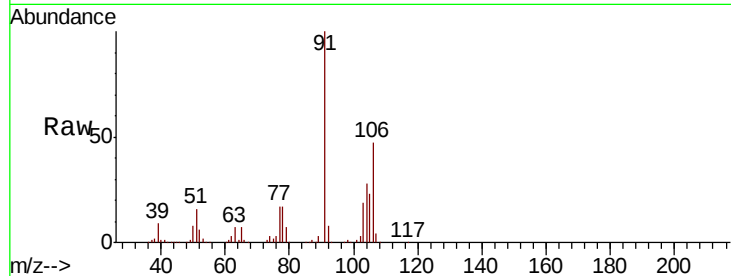




#69
o-Xylene
Concen: 19.829 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

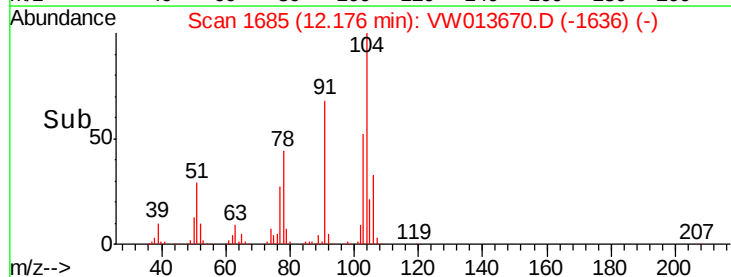
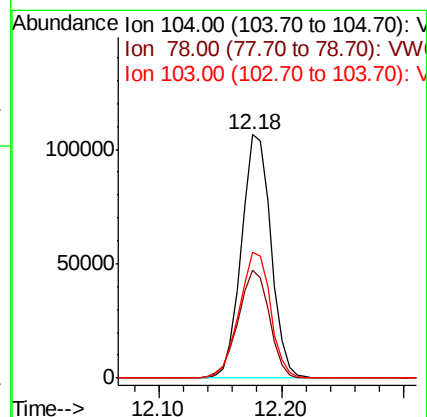
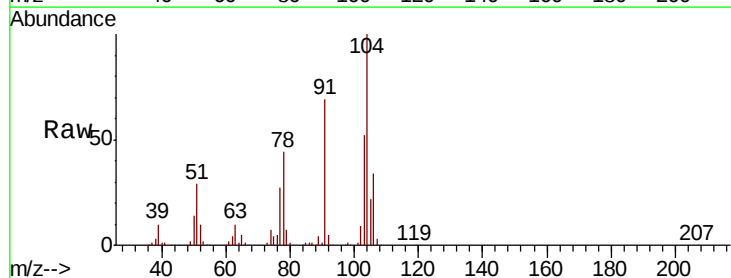
Instrument :
MSVOA_W
ClientSampled :

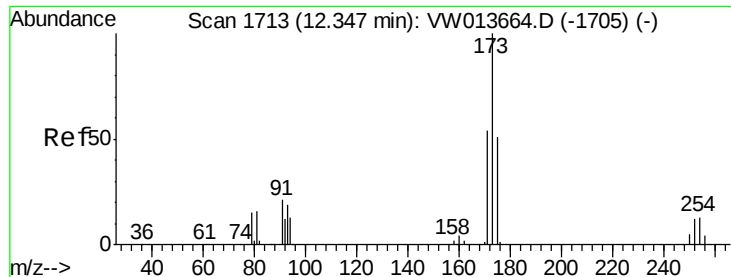
Tot Ion:106 Resp: 103180
Ion Ratio Lower Upper
106 100
91 208.6 104.9 314.7



#70
Styrene
Concen: 19.854 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion:104 Resp: 177506
Ion Ratio Lower Upper
104 100
78 46.9 37.1 55.7
103 54.8 43.6 65.4





#71

Bromoform

Concen: 20.097 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampled :

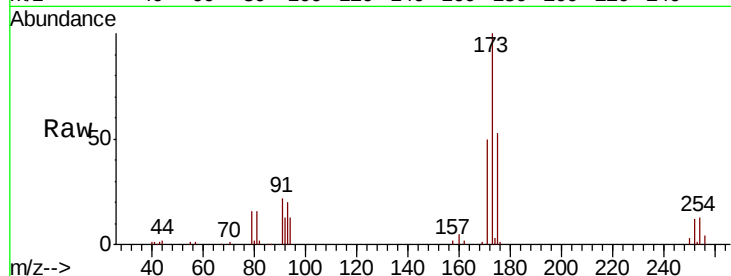
Tot Ion:173 Resp: 29910

Ion Ratio Lower Upper

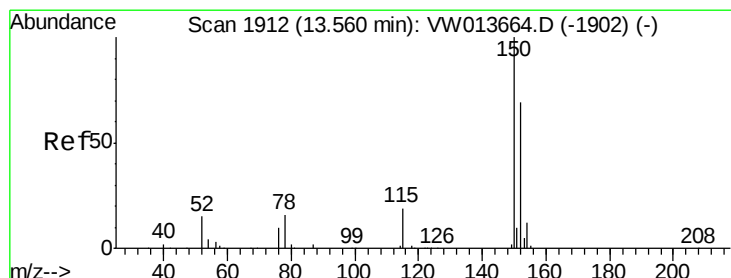
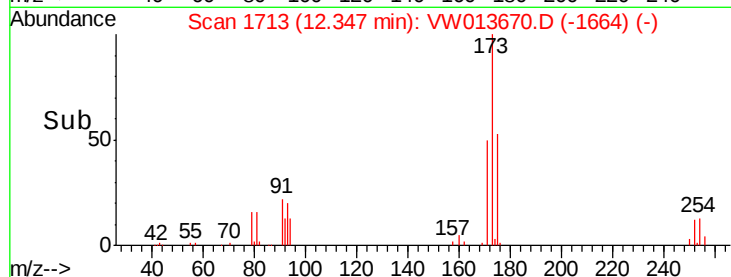
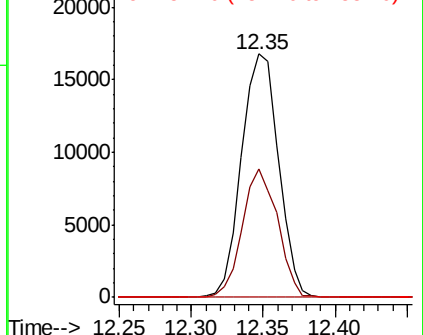
173 100

175 50.1 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: VW013670.D

Acq: 23 Oct 2019 16:39

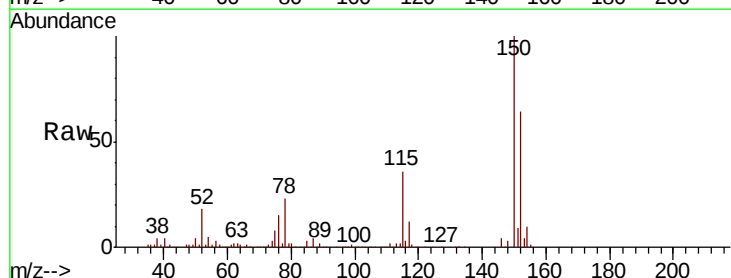
Tgt Ion:152 Resp: 201817

Ion Ratio Lower Upper

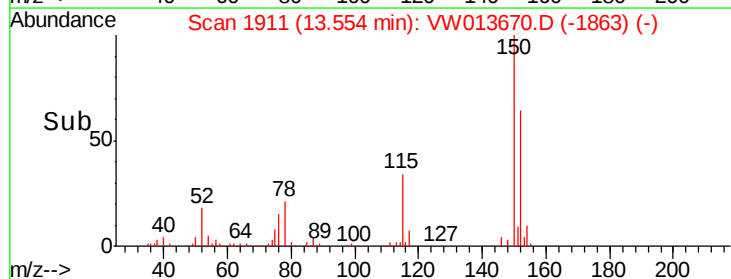
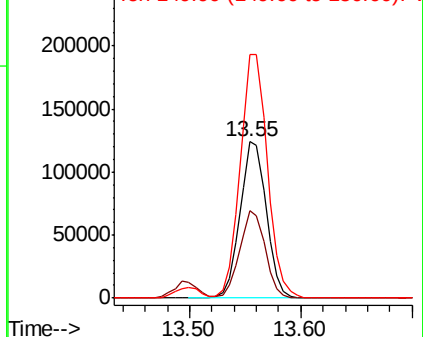
152 100

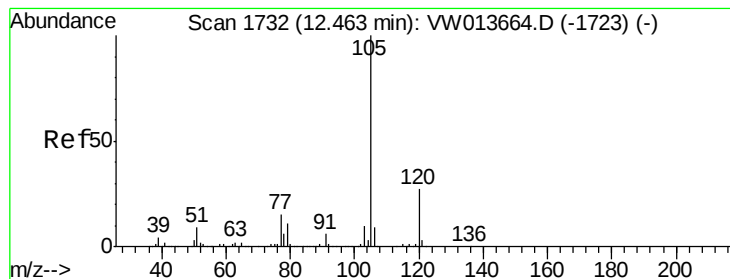
115 54.3 27.4 82.2

150 162.2 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: 19.716 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

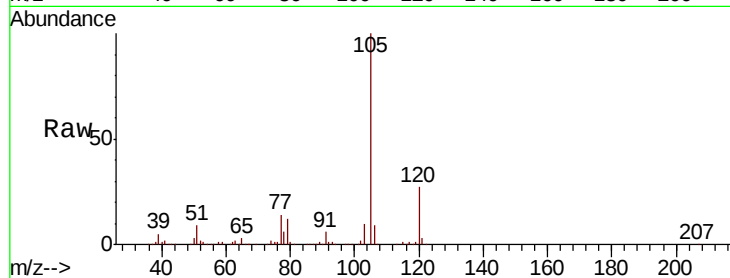
ClientSampleId :

Tot Ion:105 Resp: 285741

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

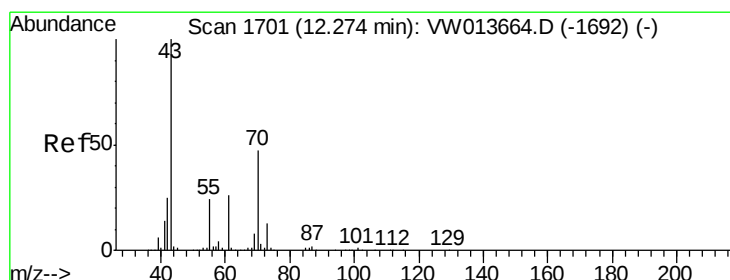
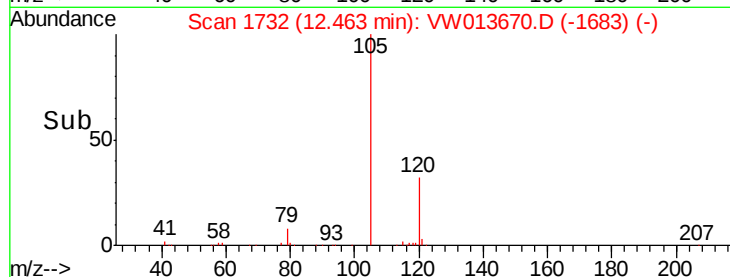
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 20.806 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Tgt Ion: 43 Resp: 58330

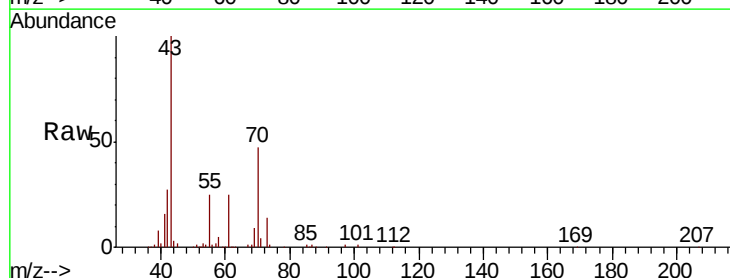
Ion Ratio Lower Upper

43 100

70 46.7 36.6 55.0

55 25.9 20.3 30.5

61 25.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

50000

40000

30000

20000

10000

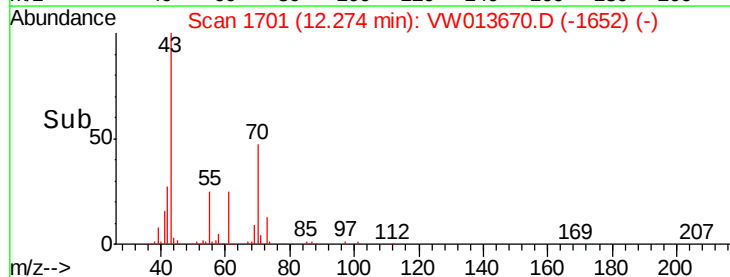
0

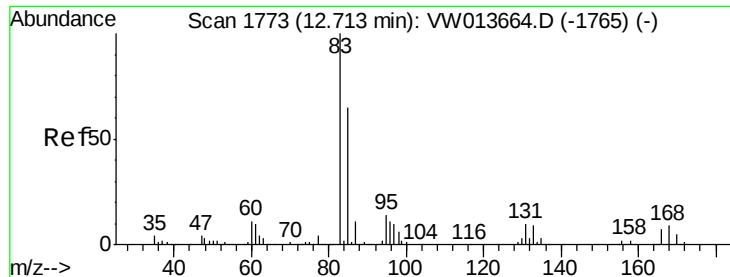
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.931 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

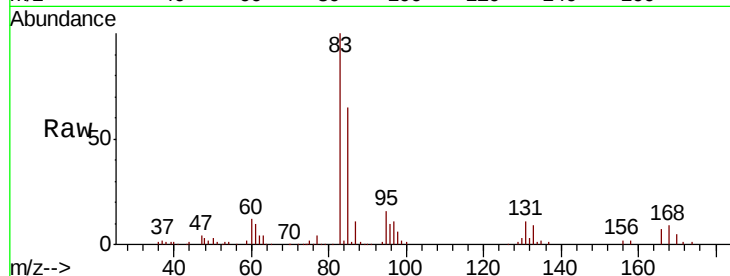
Tot Ion: 83 Resp: 47870

Ion Ratio Lower Upper

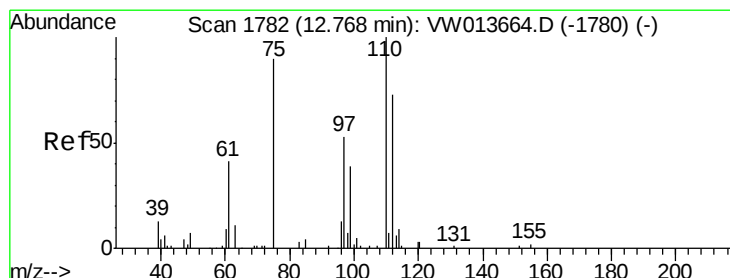
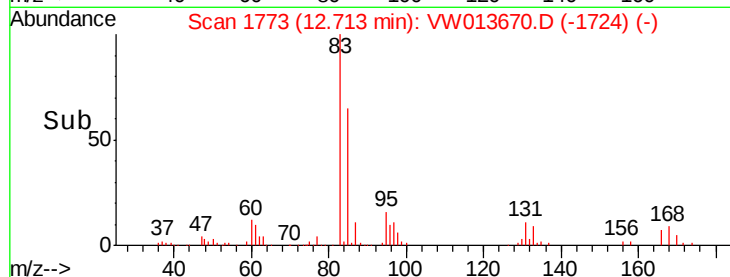
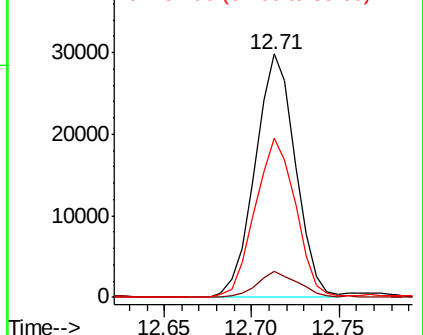
83 100

131 11.0 5.7 17.1

85 65.7 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 41.065 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013670.D

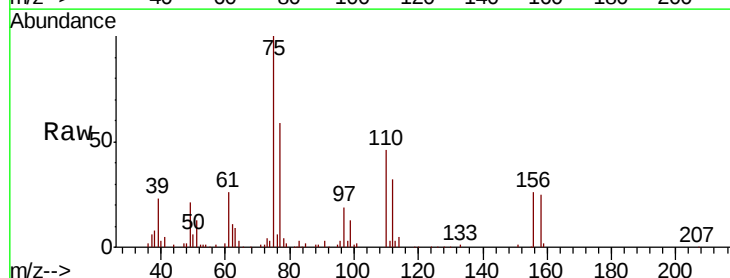
Acq: 23 Oct 2019 16:39

Tgt Ion: 75 Resp: 59517

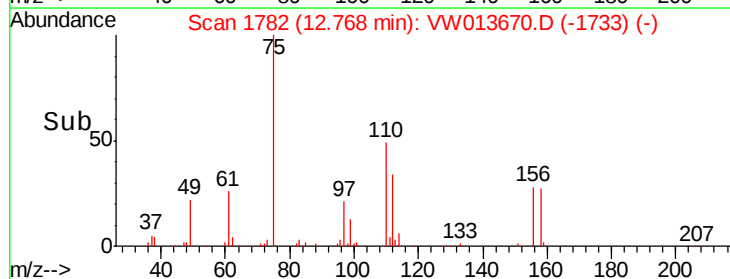
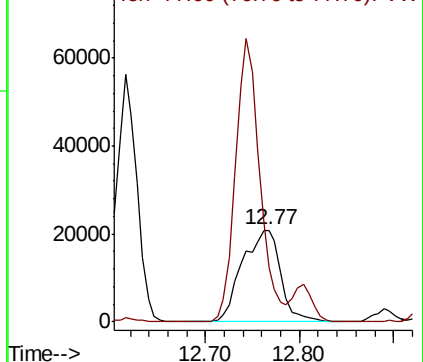
Ion Ratio Lower Upper

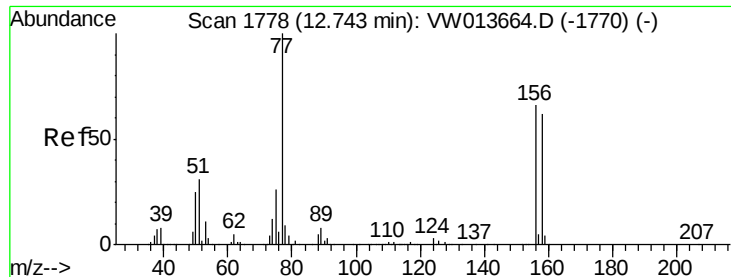
75 100

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: 19.995 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

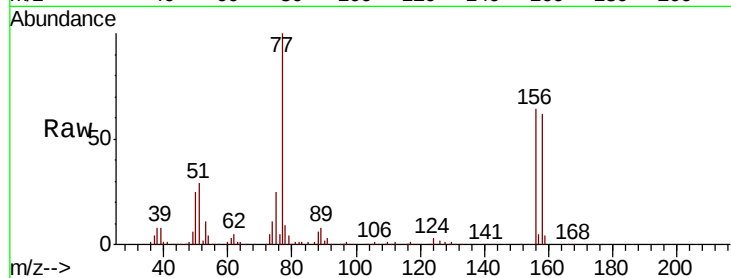
Tot Ion:156 Resp: 69226

Ion Ratio Lower Upper

156 100

77 168.6 82.9 248.7

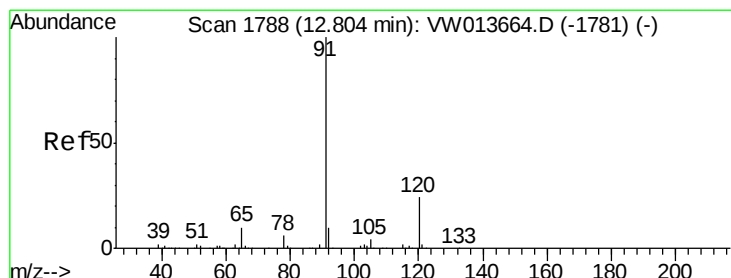
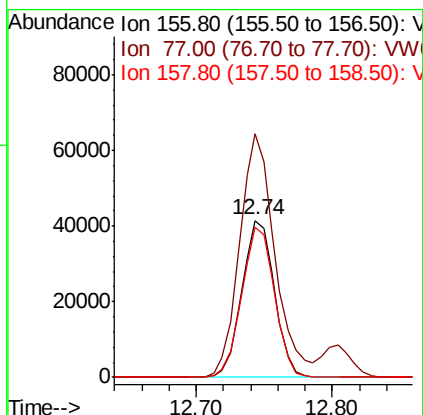
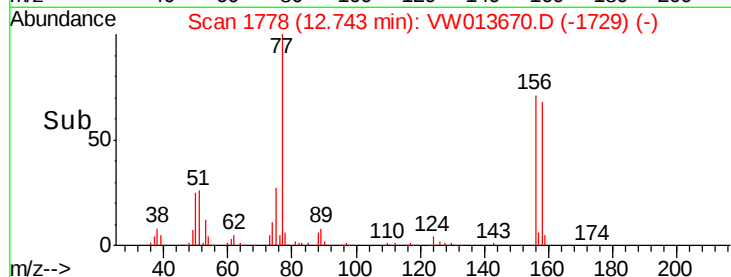
158 96.4 48.4 145.2



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: 19.748 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013670.D

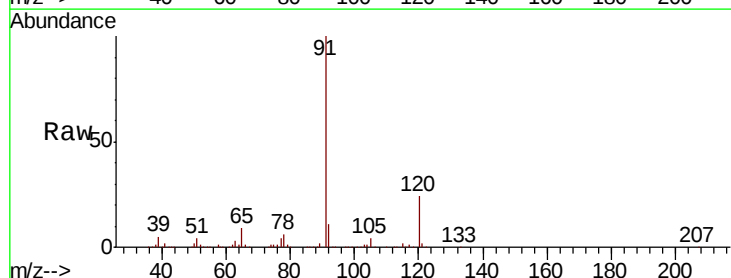
Acq: 23 Oct 2019 16:39

Tgt Ion: 91 Resp: 331275

Ion Ratio Lower Upper

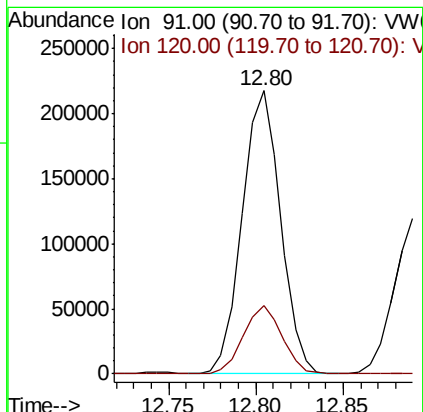
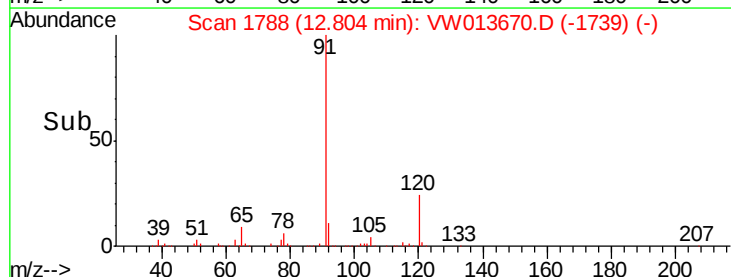
91 100

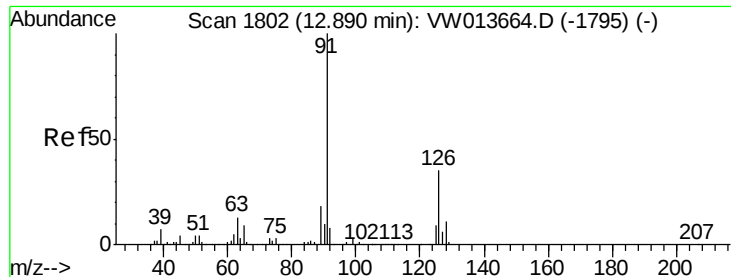
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.055 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

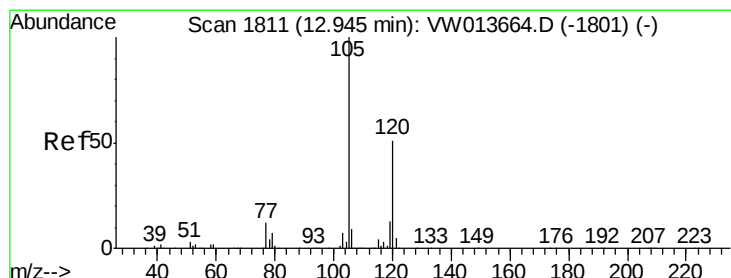
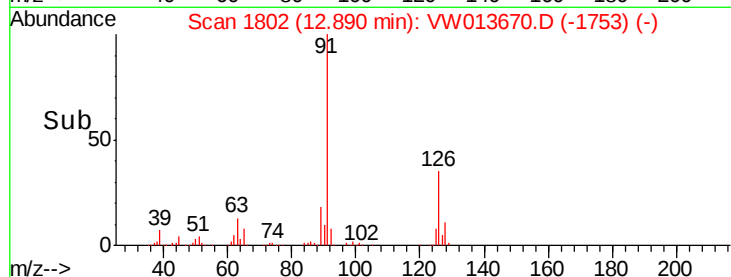
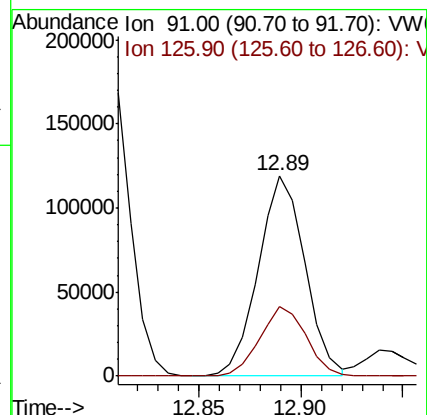
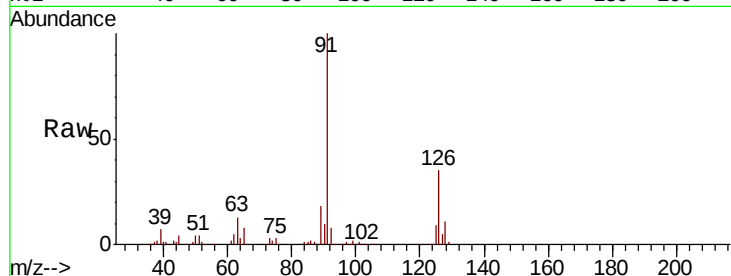
ClientSampleId :

Tot Ion: 91 Resp: 189059

Ion Ratio Lower Upper

91 100

126 34.6 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 19.692 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013670.D

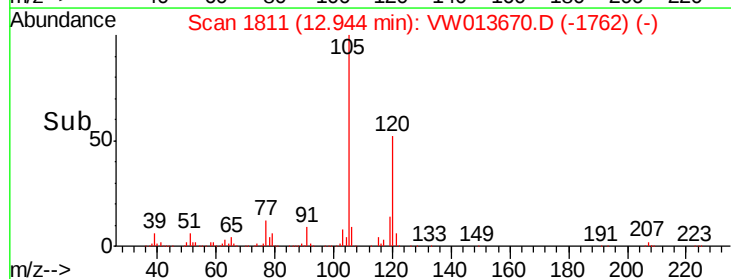
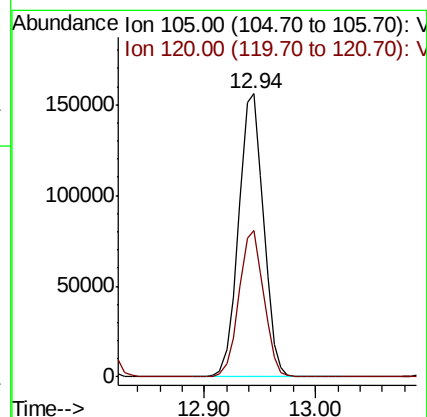
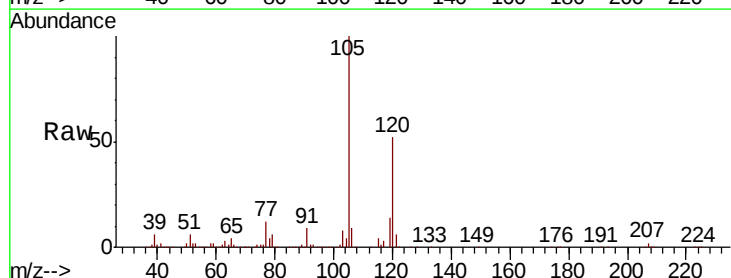
Acq: 23 Oct 2019 16:39

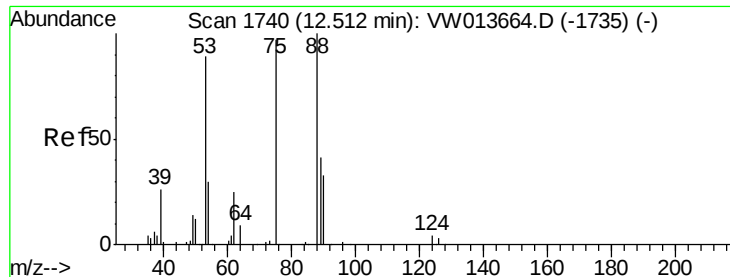
Tgt Ion: 105 Resp: 240919

Ion Ratio Lower Upper

105 100

120 51.5 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.536 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampled :

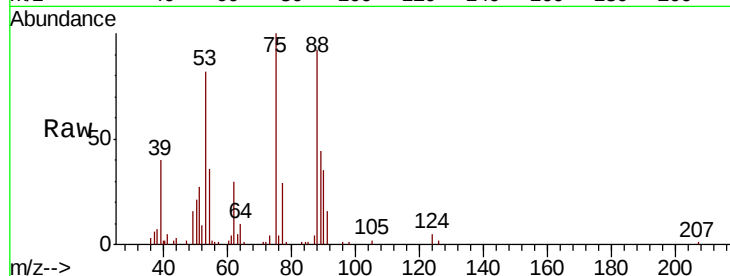
Tot Ion: 75 Resp: 14982

Ion Ratio Lower Upper

75 100

53 91.8 71.7 107.5

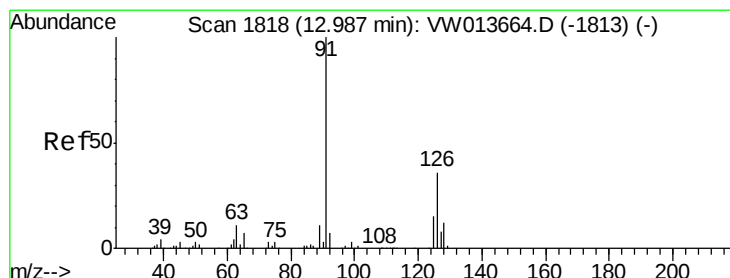
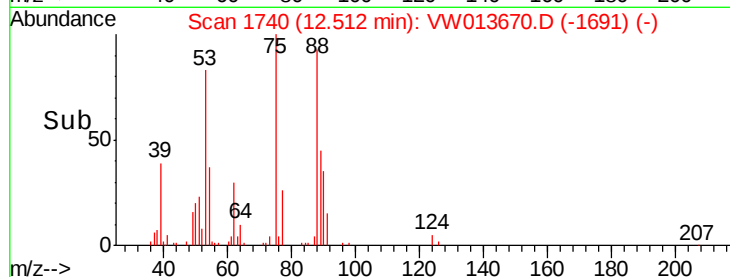
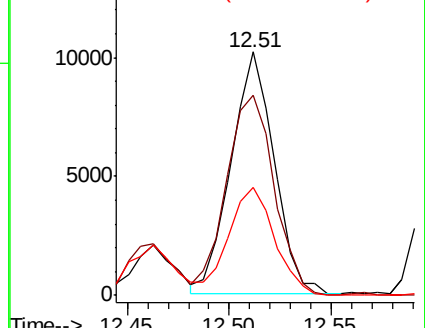
89 47.7 35.8 53.8



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: 20.009 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013670.D

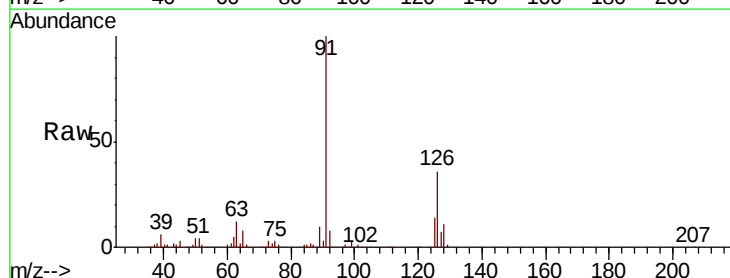
Acq: 23 Oct 2019 16:39

Tgt Ion: 91 Resp: 198022

Ion Ratio Lower Upper

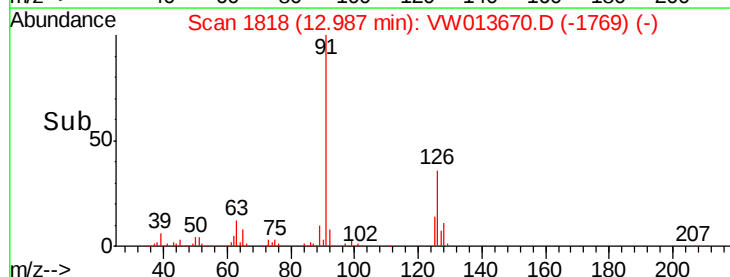
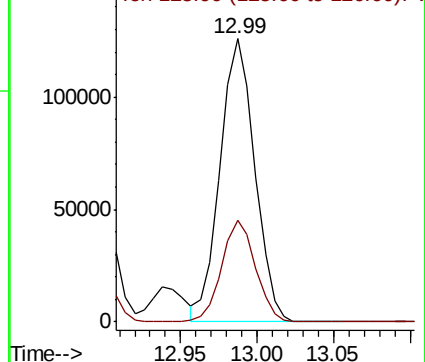
91 100

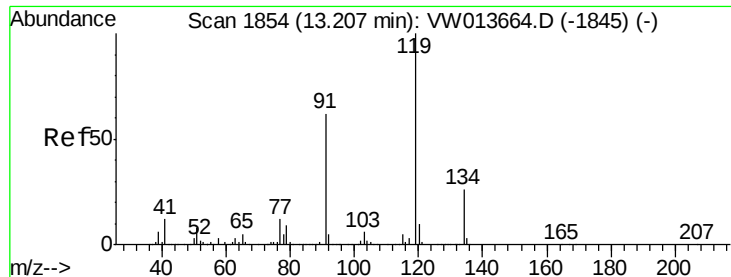
126 35.0 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

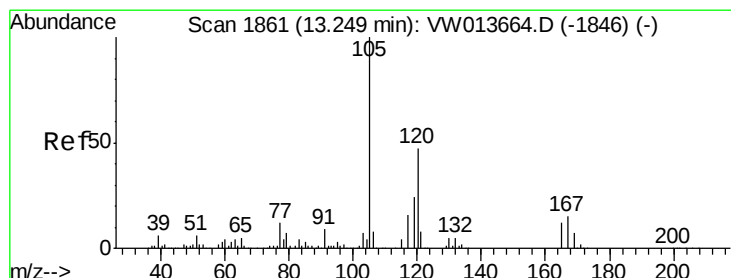
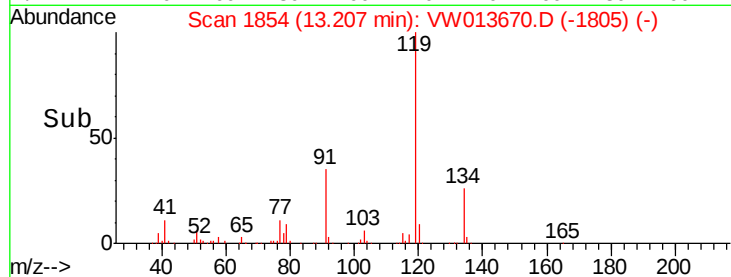
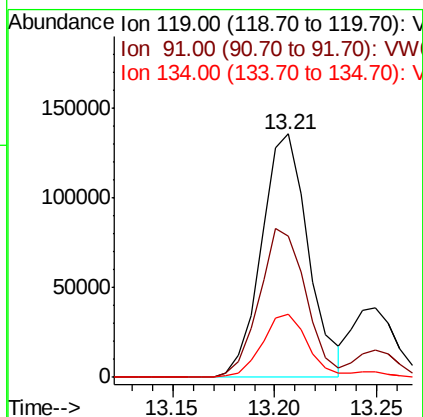
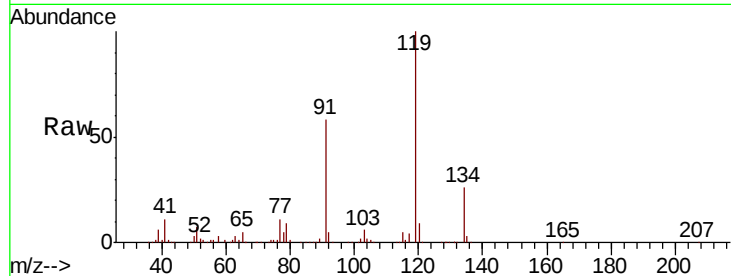




#83
tert-Butylbenzene
Concen: 20.002 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

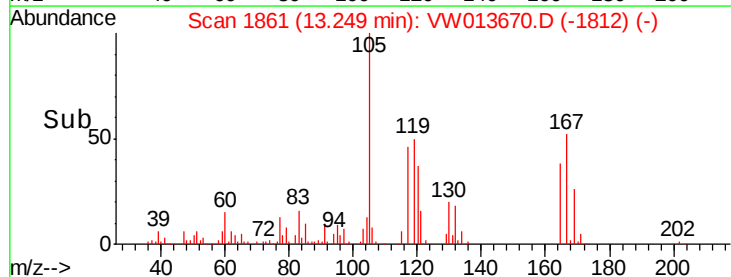
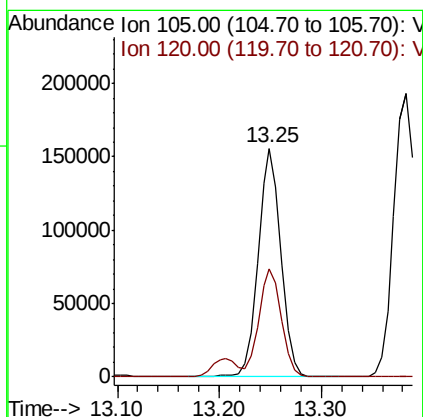
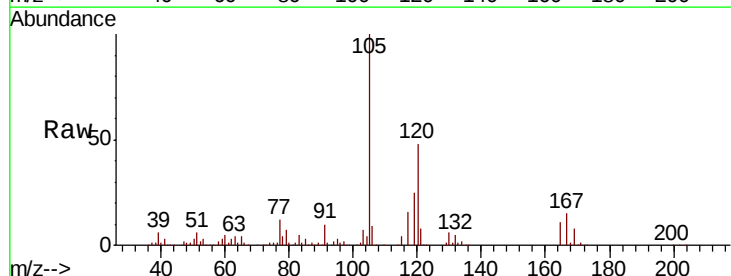
Instrument :
MSVOA_W
ClientSampleId :

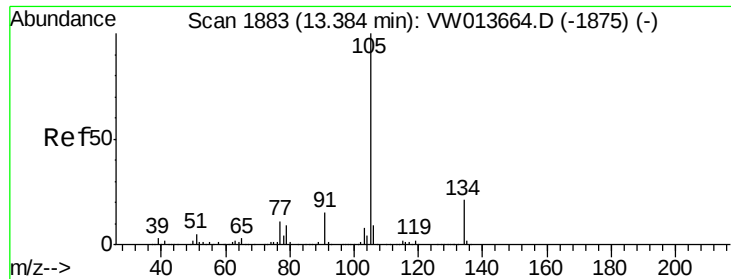
Tot Ion:119 Resp: 217220
Ion Ratio Lower Upper
119 100
91 60.6 30.4 91.3
134 25.4 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.064 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion:105 Resp: 242143
Ion Ratio Lower Upper
105 100
120 46.7 23.5 70.5





#85

sec-Butylbenzene

Concen: 19.942 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

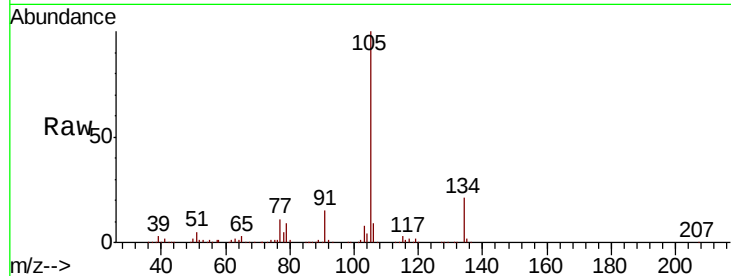
ClientSampleId :

Tot Ion:105 Resp: 296150

Ion Ratio Lower Upper

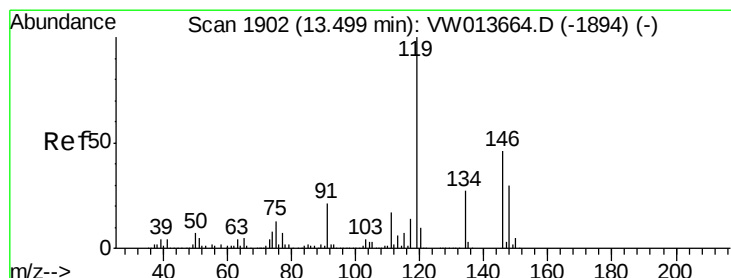
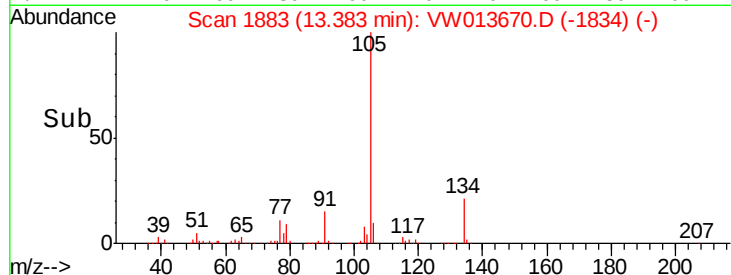
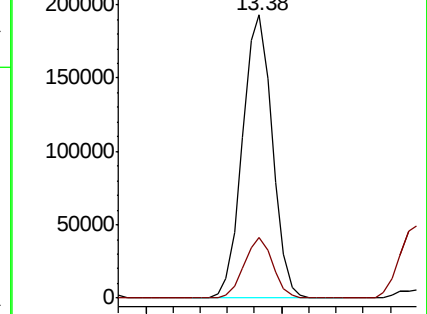
105 100

134 20.7 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.184 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

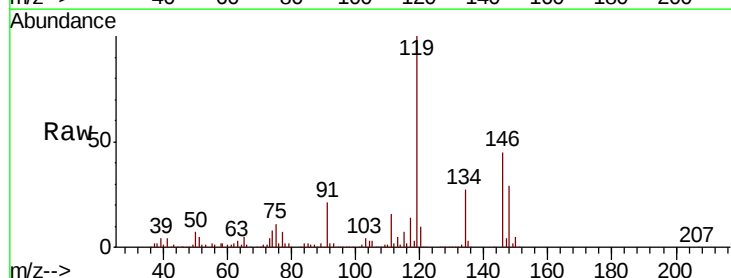
Tgt Ion:119 Resp: 279222

Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.1

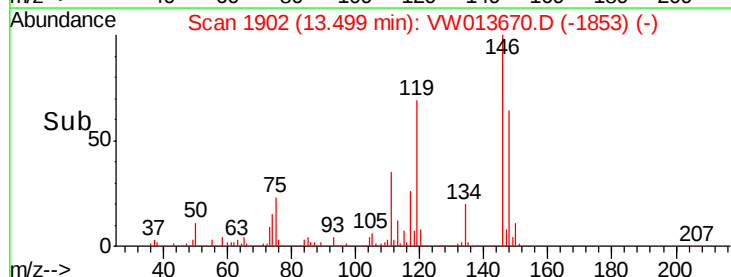
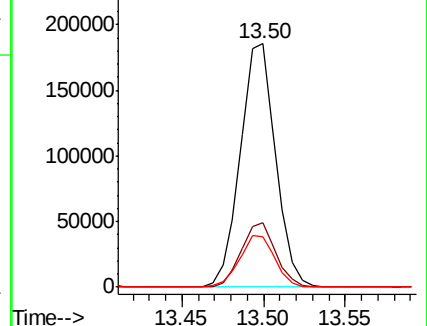
91 21.1 10.8 32.3

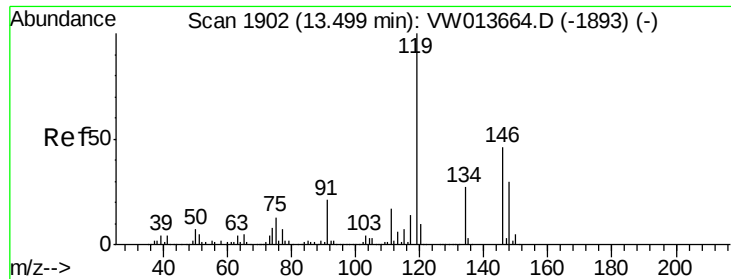


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

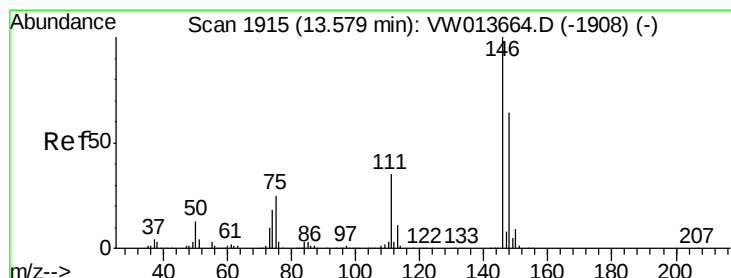
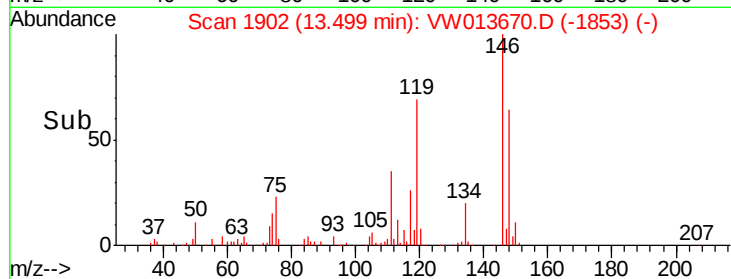
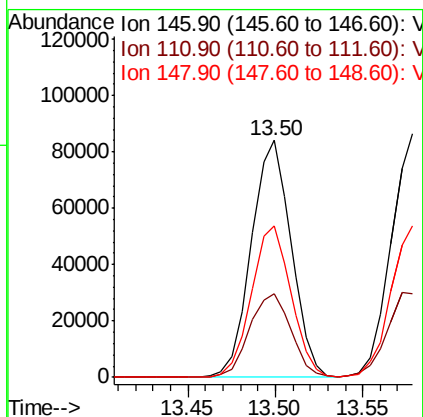
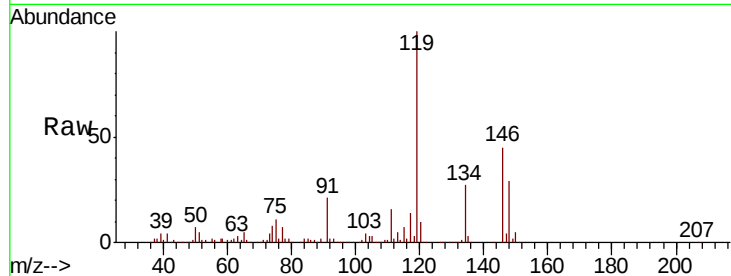




#87
 1,3-Dichlorobenzene
 Concen: 19.881 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

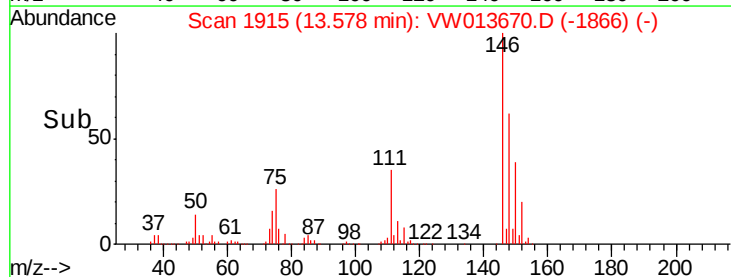
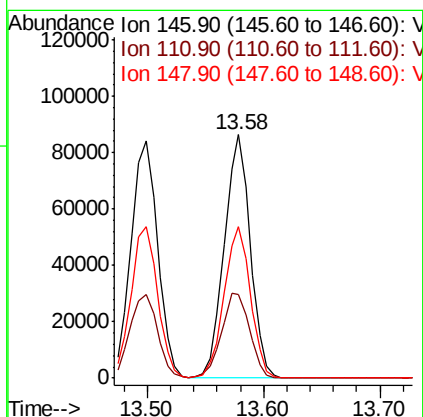
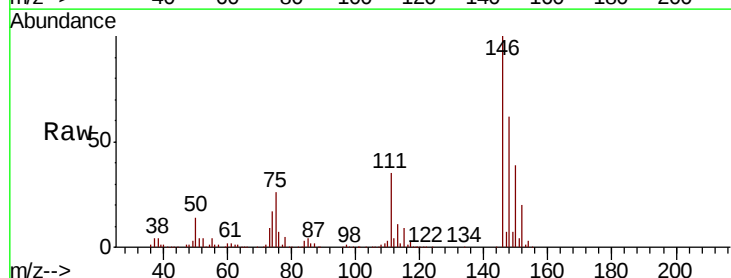
Instrument :
 MSVOA_W
 ClientSampleId :

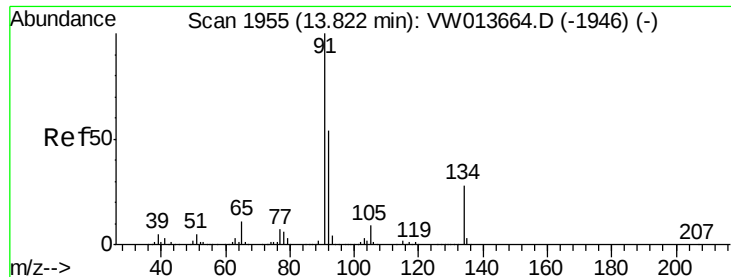
Tot Ion:146 Resp: 133362
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 56.0
 148 63.7 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.054 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Tgt Ion:146 Resp: 133647
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.1 54.3
 148 63.1 32.0 96.2





#89

n-Butylbenzene

Concen: 20.017 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

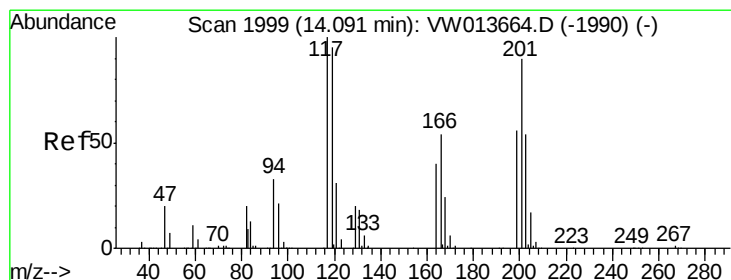
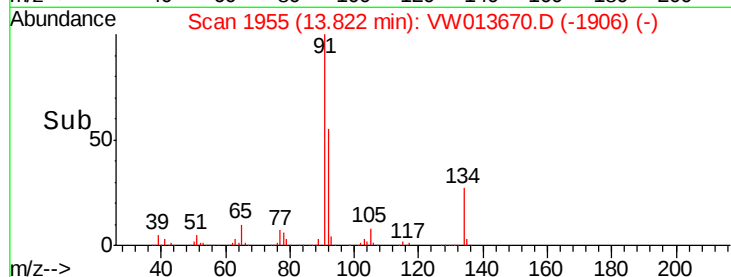
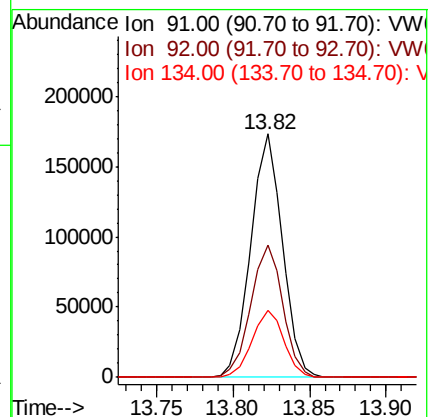
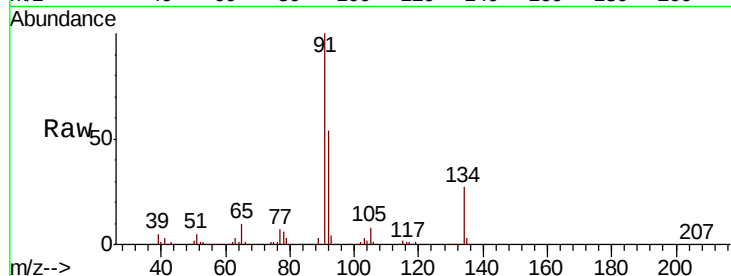
Tot Ion: 91 Resp: 249941

Ion Ratio Lower Upper

91 100

92 54.8 27.5 82.4

134 27.5 14.0 41.9



#90

Hexachloroethane

Concen: 19.209 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013670.D

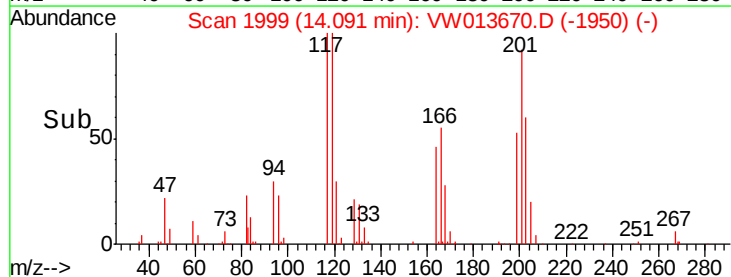
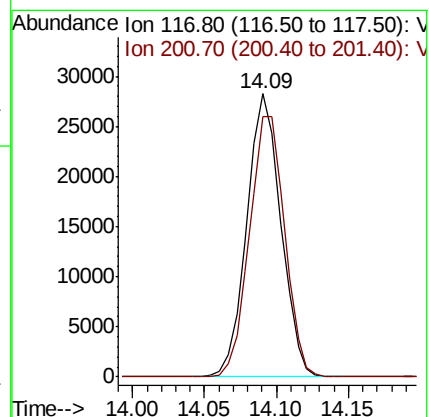
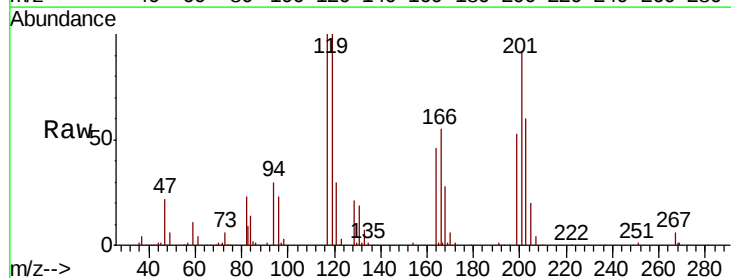
Acq: 23 Oct 2019 16:39

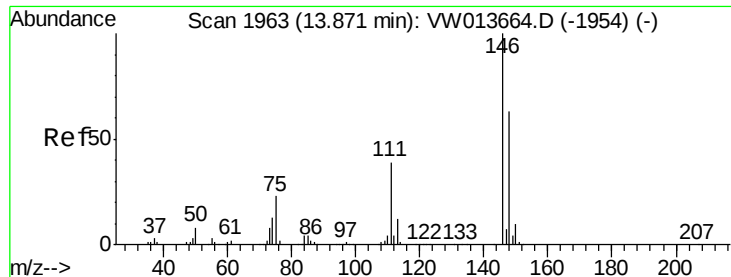
Tgt Ion: 117 Resp: 46187

Ion Ratio Lower Upper

117 100

201 94.9 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 20.135 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

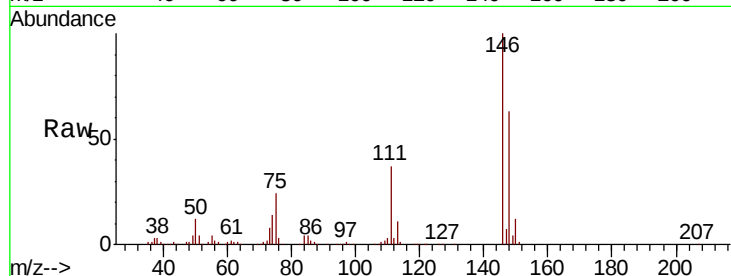
Tot Ion:146 Resp: 117113

Ion Ratio Lower Upper

146 100

111 40.2 19.9 59.6

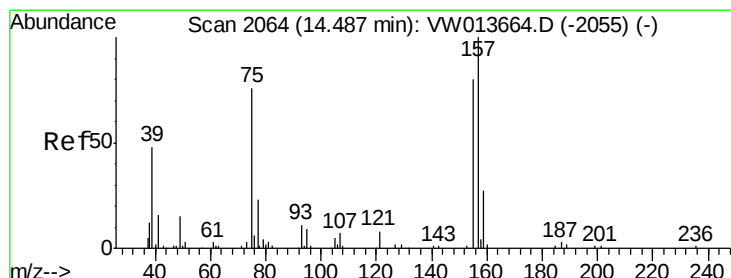
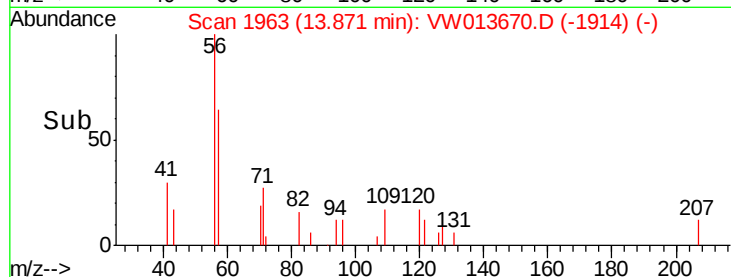
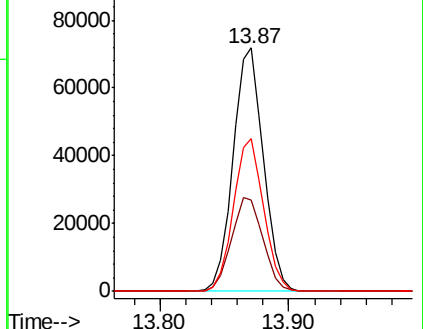
148 62.7 31.9 95.9



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: 20.674 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

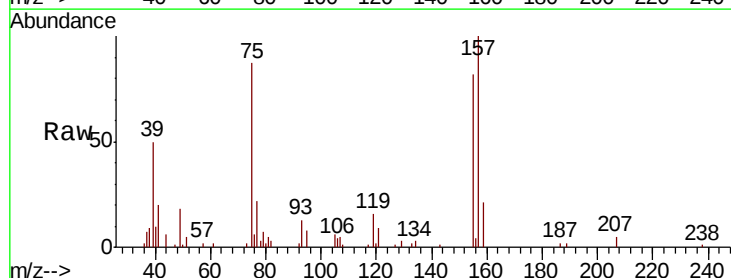
Tgt Ion: 75 Resp: 7150

Ion Ratio Lower Upper

75 100

155 106.6 51.9 155.7

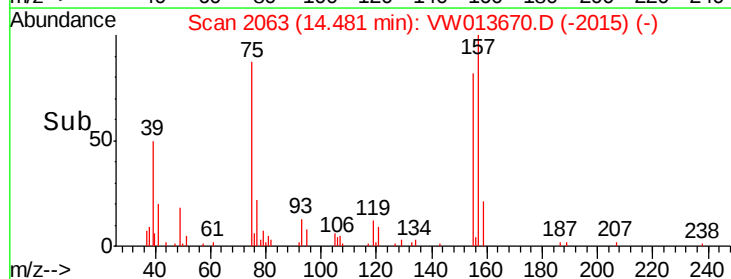
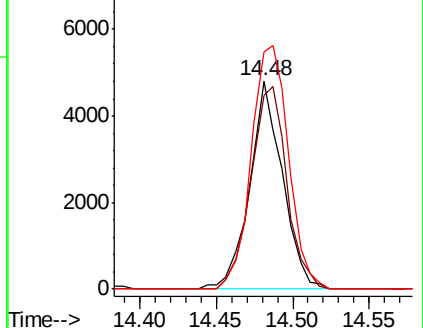
157 133.2 64.8 194.3

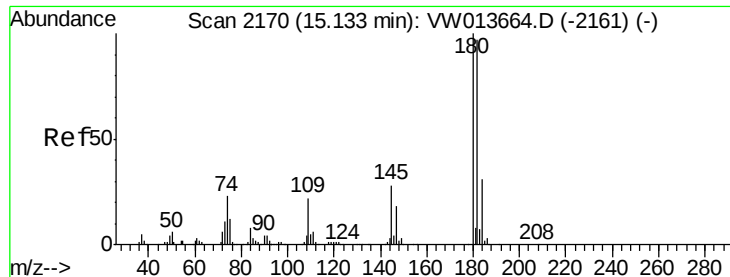


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

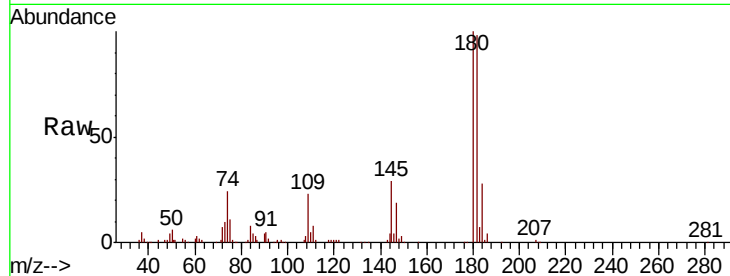




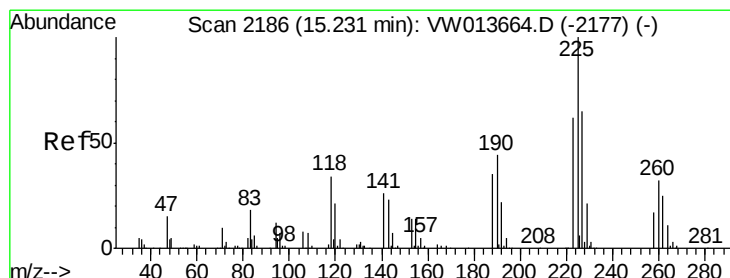
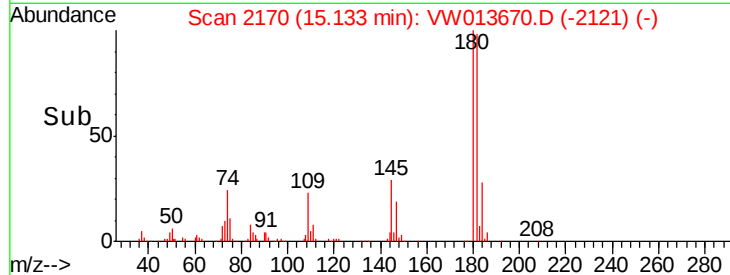
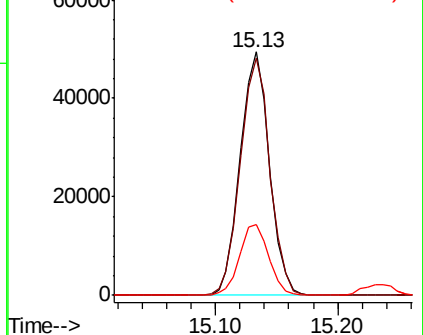
#93
 1,2,4-Trichlorobenzene
 Concen: 19.360 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 81951
 Ion Ratio Lower Upper
 180 100
 182 98.5 47.4 142.2
 145 29.0 14.1 42.3

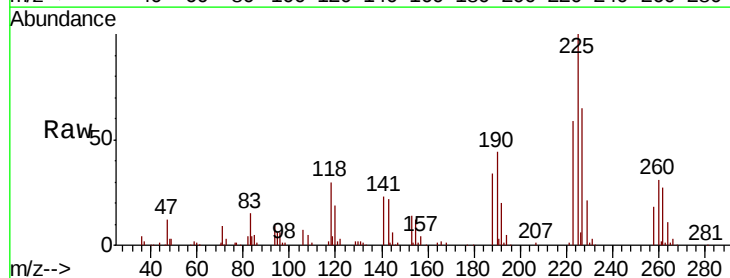


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

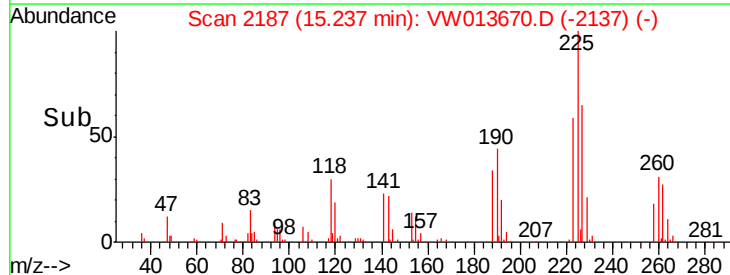
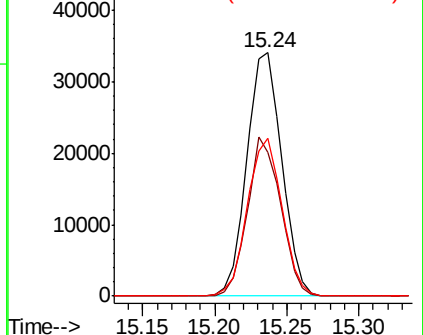


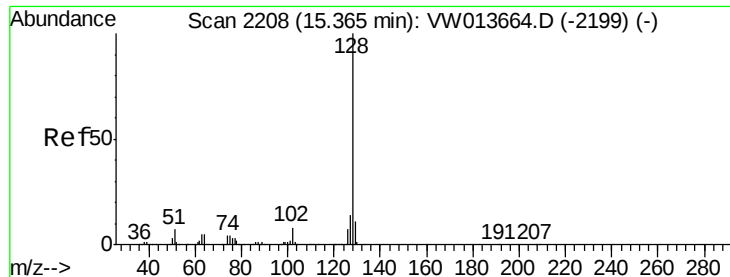
#94
 Hexachlorobutadiene
 Concen: 19.987 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Tgt Ion:225 Resp: 57116
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.9 95.9
 227 64.3 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

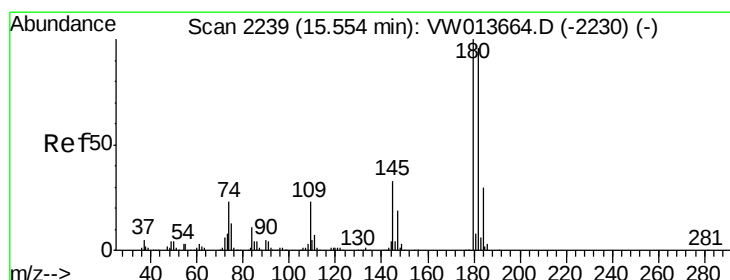
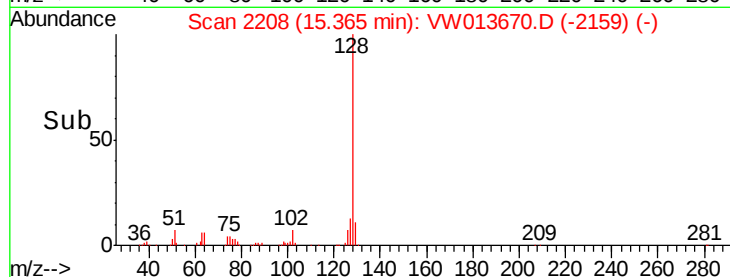
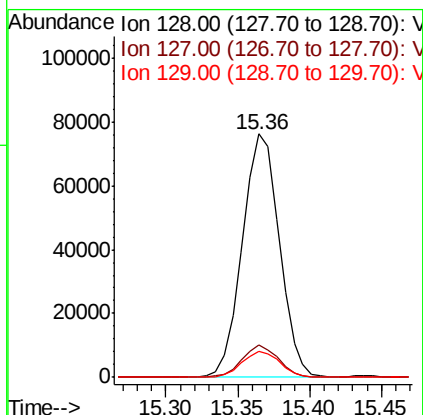
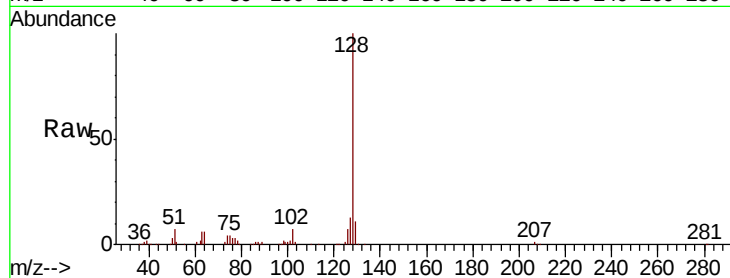




#95
Naphthalene
Concen: 20.498 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 136038
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.857 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion:180 Resp: 72427
Ion Ratio Lower Upper
180 100
182 95.1 47.4 142.3
145 30.6 14.9 44.9

