

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042320\
 Data File : VW015323.D
 Acq On : 23 Apr 2020 11:19
 Operator : SY/VA
 Sample : VW0423SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 24 06:32:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	305724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166643	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	95927	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	7.88	113	97410	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
50) Toluene-d8	10.32	98	389060	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.62	95	147080	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	38177	20.910	ug/l	97
3) Chloromethane	2.21	50	39959	20.098	ug/l	98
4) Vinyl Chloride	2.36	62	48391	20.611	ug/l	99
5) Bromomethane	2.76	94	39328	23.559	ug/l	92
6) Chloroethane	2.92	64	28842	19.804	ug/l	99
7) Trichlorofluoromethane	3.26	101	73112	22.006	ug/l	100
8) Diethyl Ether	3.68	74	18310	19.635	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45853	22.381	ug/l	93
10) Methyl Iodide	4.28	142	38346	17.820	ug/l	97
11) Tert butyl alcohol	5.18	59	13517	87.705	ug/l	99
12) 1,1-Dichloroethene	4.04	96	42022	21.309	ug/l	93
13) Acrolein	3.90	56	9780	121.242	ug/l	94
14) Allyl chloride	4.67	41	51274	19.599	ug/l #	84
15) Acrylonitrile	5.37	53	32641	91.977	ug/l	97
16) Acetone	4.13	43	27515	83.322	ug/l	97
17) Carbon Disulfide	4.38	76	121027	20.652	ug/l	100
18) Methyl Acetate	4.68	43	15405	17.624	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	90372	19.963	ug/l	95
20) Methylene Chloride	4.92	84	41536	19.192	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	48187	21.545	ug/l	89
22) Diisopropyl ether	6.31	45	100915	20.108	ug/l #	90
23) Vinyl Acetate	6.26	43	290001	98.468	ug/l	94
24) 1,1-Dichloroethane	6.22	63	71770	20.634	ug/l	98
25) 2-Butanone	7.17	43	40203	91.763	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	77703	21.235	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	51343	21.264	ug/l	99
28) Bromochloromethane	7.51	49	24941	19.722	ug/l #	72
29) Tetrahydrofuran	7.53	42	25044	91.752	ug/l	90
30) Chloroform	7.68	83	79790	21.255	ug/l	98
31) Cyclohexane	7.95	56	72748	20.807	ug/l #	84
32) 1,1,1-Trichloroethane	7.87	97	79595	21.969	ug/l	99
36) 1,1-Dichloropropene	8.08	75	65639	21.791	ug/l	98
37) Ethyl Acetate	7.25	43	18630	19.058	ug/l	97
38) Carbon Tetrachloride	8.07	117	72374	21.987	ug/l	96

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Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 24 06:32:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	83193	20.751	ug/l	98
40) Benzene	8.32	78	170852	21.234	ug/l	96
41) Methacrylonitrile	7.48	41	10353	17.651	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	49166	20.757	ug/l	99
43) Isopropyl Acetate	8.42	43	38152	18.608	ug/l	94
44) Trichloroethene	9.09	130	54844	22.284	ug/l	92
45) 1,2-Dichloropropane	9.37	63	38934	20.808	ug/l	98
46) Dibromomethane	9.46	93	22012	20.337	ug/l #	85
47) Bromodichloromethane	9.64	83	60307	20.842	ug/l	99
48) Methyl methacrylate	9.43	41	17270	17.818	ug/l #	85
49) 1,4-Dioxane	9.45	88	4826	334.454	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	86848	90.235	ug/l	95
52) Toluene	10.38	92	117298	20.830	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	57280	20.077	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	68126	20.543	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30972	20.435	ug/l	98
56) Ethyl methacrylate	10.65	69	36074	18.476	ug/l	93
57) 1,3-Dichloropropane	10.93	76	51783	20.626	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	85934	94.932	ug/l #	89
59) 2-Hexanone	10.96	43	60507	88.069	ug/l	96
60) Dibromochloromethane	11.13	129	42272	21.124	ug/l	100
61) 1,2-Dibromoethane	11.23	107	30000	20.285	ug/l	100
64) Tetrachloroethene	10.86	164	49592	22.728	ug/l	92
65) Chlorobenzene	11.66	112	128856	21.479	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	46817	21.713	ug/l	98
67) Ethyl Benzene	11.73	91	236889	21.174	ug/l	99
68) m/p-Xylenes	11.84	106	186453	42.518	ug/l	100
69) o-Xylene	12.16	106	86961	21.245	ug/l	98
70) Styrene	12.18	104	145466	20.849	ug/l	100
71) Bromoform	12.35	173	24394	20.079	ug/l #	98
73) Isopropylbenzene	12.46	105	247705	21.439	ug/l	100
74) N-amyl acetate	12.27	43	37414	18.613	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	32063	19.545	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	43159	33.478	ug/l #	100
77) Bromobenzene	12.75	156	56845	21.414	ug/l	82
78) n-propylbenzene	12.80	91	285557	21.227	ug/l	97
79) 2-Chlorotoluene	12.89	91	160301	21.144	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	209112	21.010	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11218	19.022	ug/l	97
82) 4-Chlorotoluene	12.99	91	168969	20.991	ug/l	98
83) tert-Butylbenzene	13.21	119	187023	21.499	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	205807	20.965	ug/l	100
85) sec-Butylbenzene	13.38	105	256667	21.364	ug/l	97
86) p-Isopropyltoluene	13.50	119	241773	21.658	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	111887	21.213	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	109840	21.245	ug/l	98
89) n-Butylbenzene	13.82	91	214536	21.026	ug/l	98
90) Hexachloroethane	14.09	117	43671	21.332	ug/l	74
91) 1,2-Dichlorobenzene	13.87	146	98209	21.428	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5521	18.597	ug/l	87

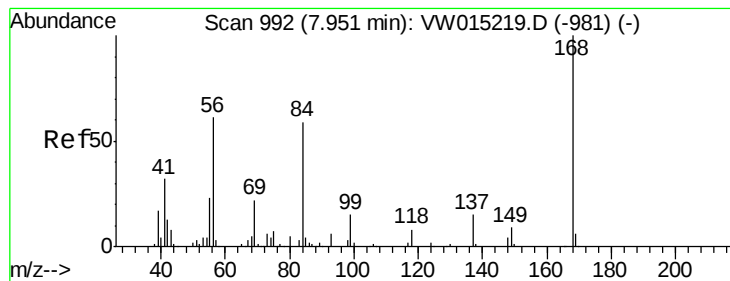
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042320\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	68656	21.551	ug/l	98
94) Hexachlorobutadiene	15.24	225	47217	22.231	ug/l	97
95) Naphthalene	15.36	128	100637	19.638	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	57094	22.027	ug/l	96

(#) = 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. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

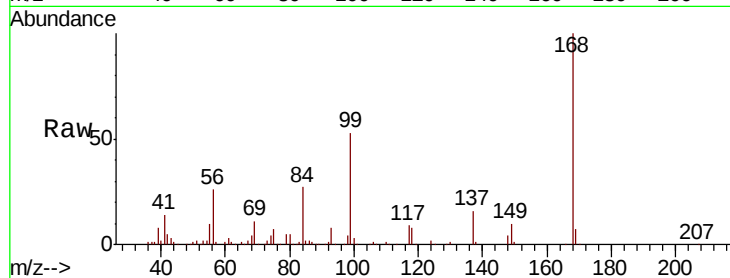
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 231201

Ion Ratio Lower Upper

168 100

99 53.1 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

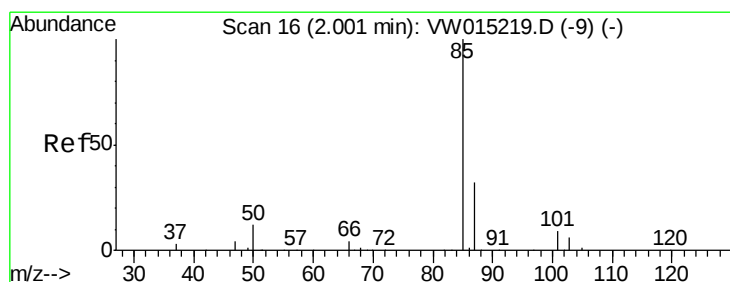
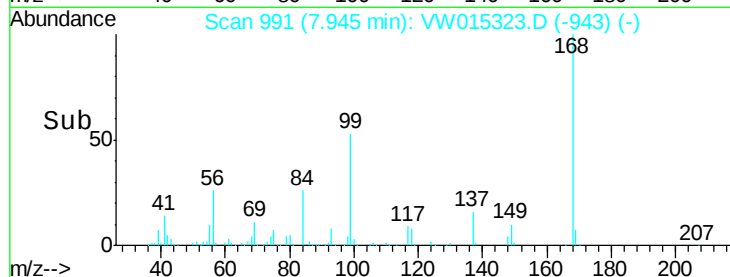
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.910 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015323.D

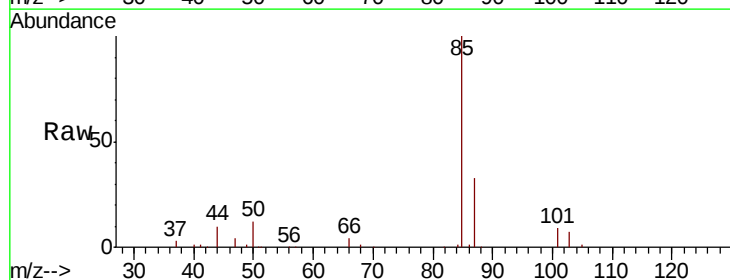
Acq: 23 Apr 2020 11:19

Tgt Ion: 85 Resp: 38177

Ion Ratio Lower Upper

85 100

87 32.6 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

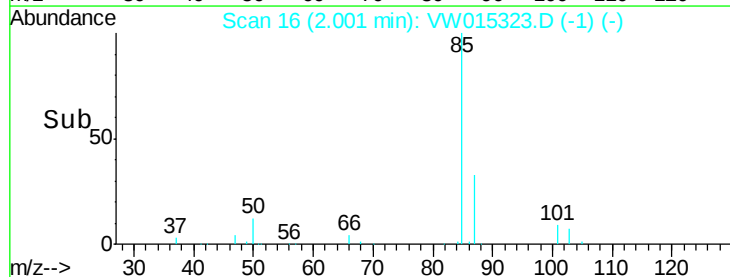
15000

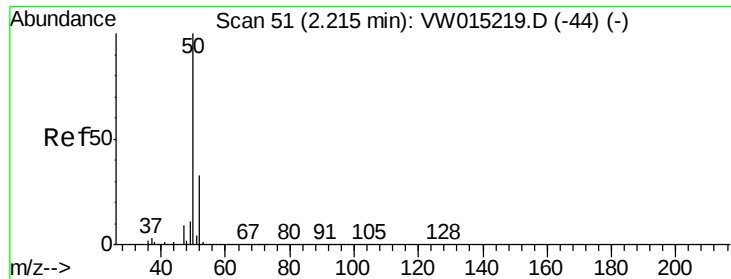
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.098 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

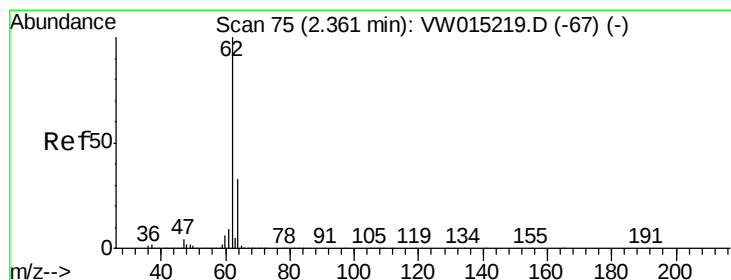
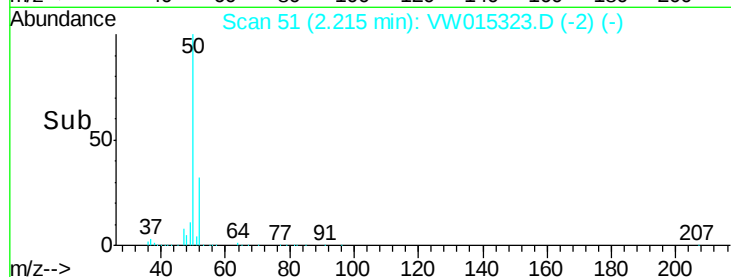
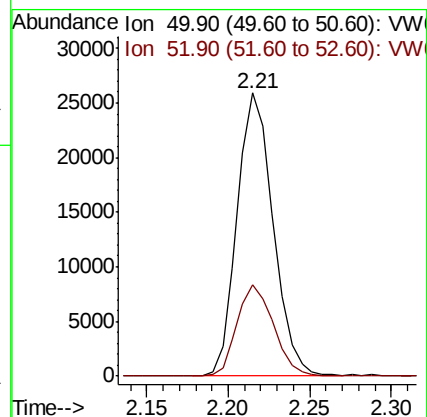
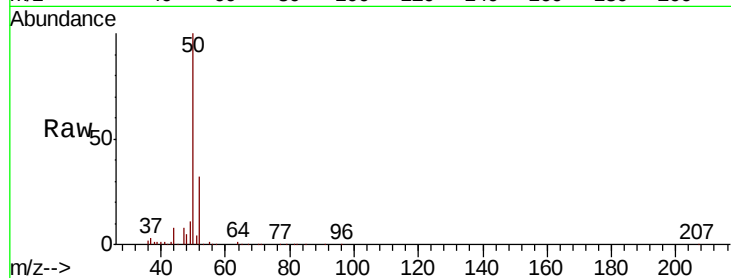
ClientSampleId :

Tot Ion: 50 Resp: 39959

Ion Ratio Lower Upper

50 100

52 32.2 26.5 39.7



#4

Vinyl Chloride

Concen: 20.611 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015323.D

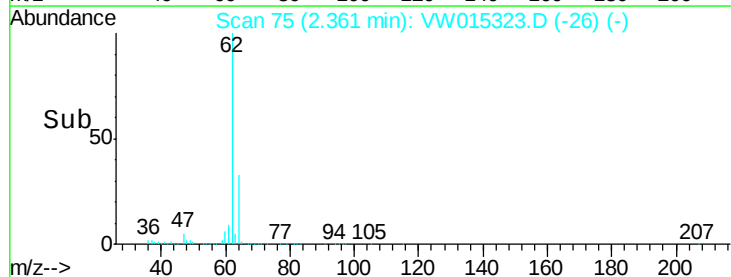
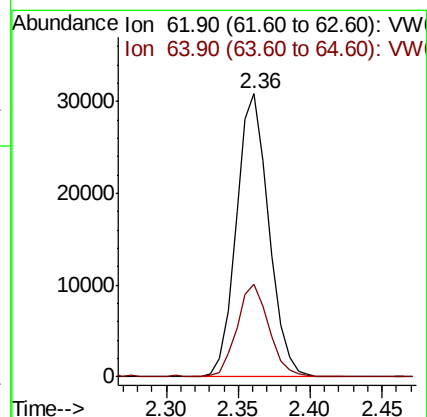
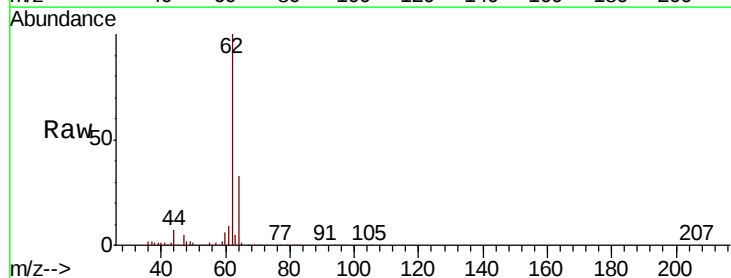
Acq: 23 Apr 2020 11:19

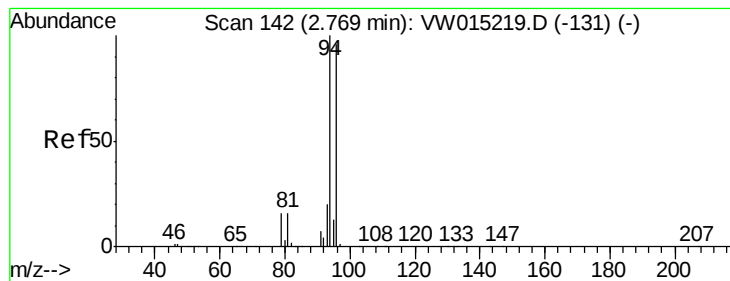
Tgt Ion: 62 Resp: 48391

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 23.559 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

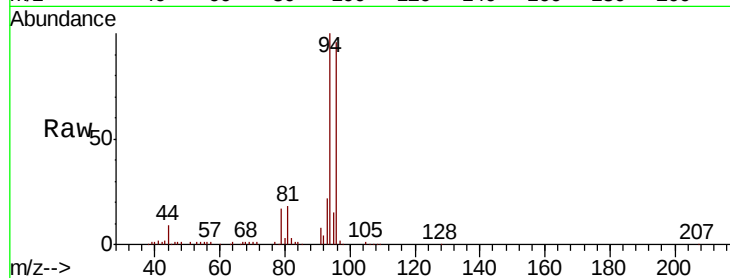
ClientSampled :

Tot Ion: 94 Resp: 39328

Ion Ratio Lower Upper

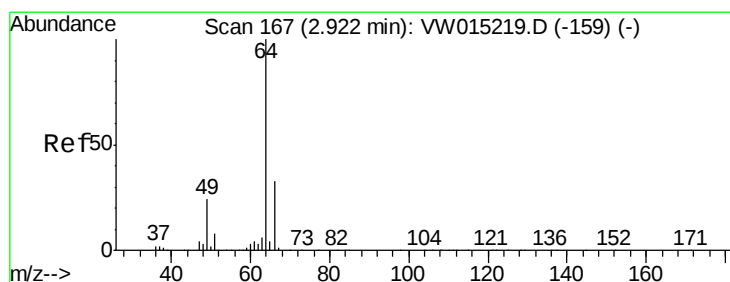
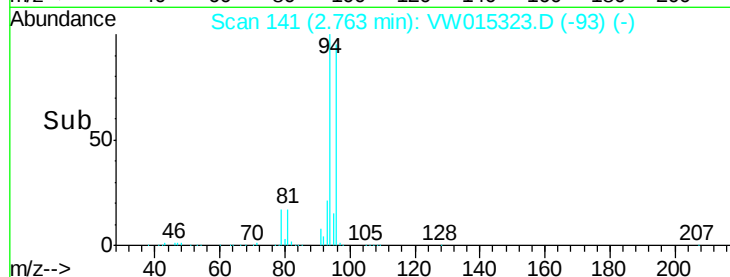
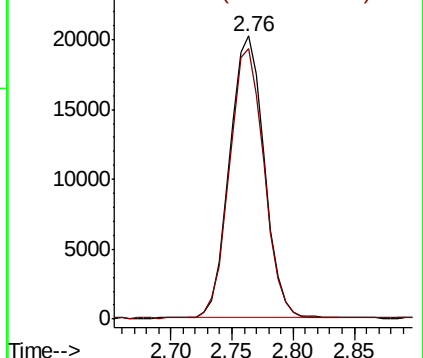
94 100

96 95.6 70.4 105.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.804 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015323.D

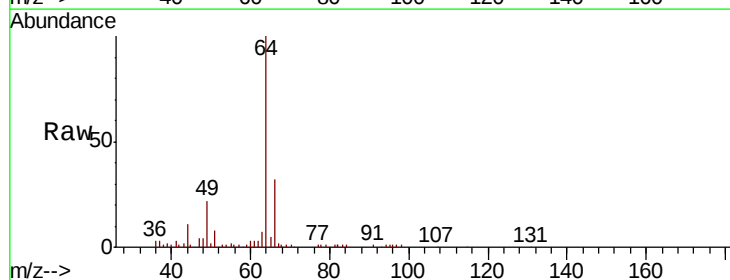
Acq: 23 Apr 2020 11:19

Tgt Ion: 64 Resp: 28842

Ion Ratio Lower Upper

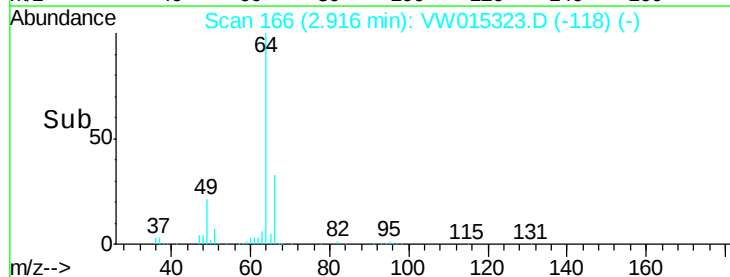
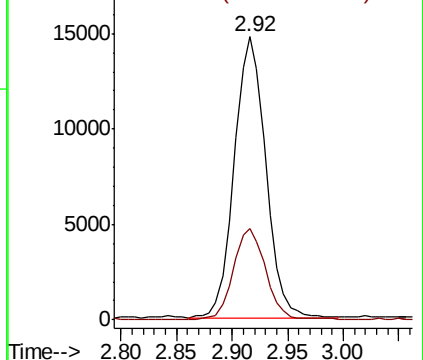
64 100

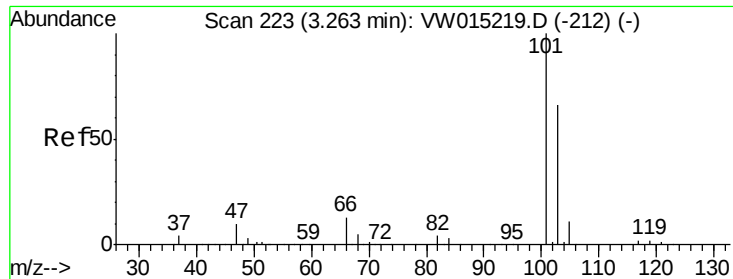
66 32.6 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



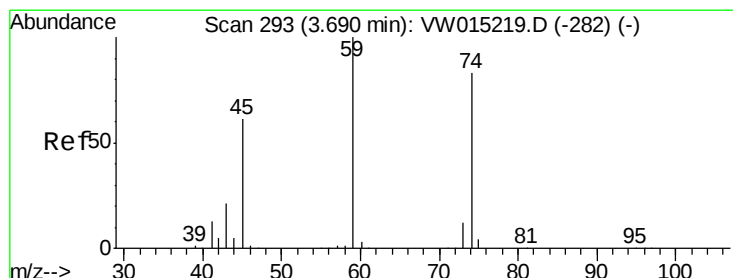
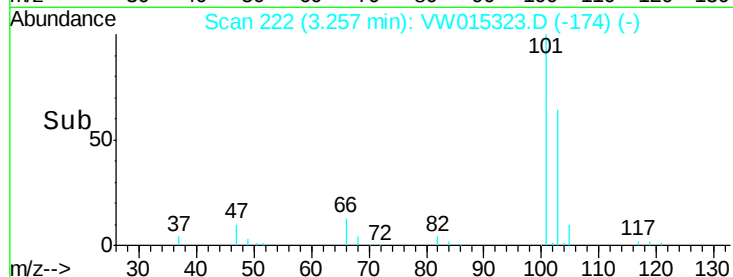
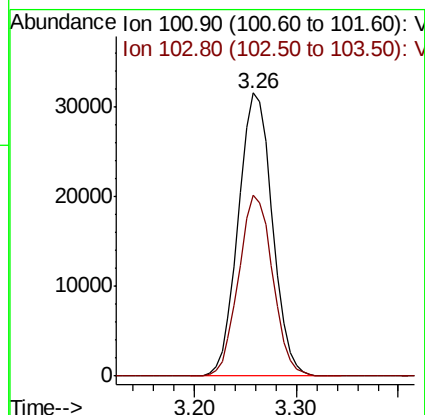
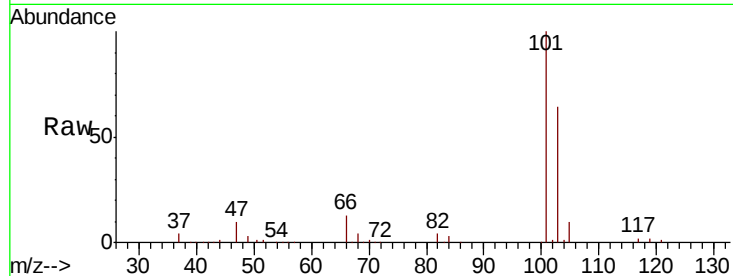


#7

Trichlorofluoromethane
 Concen: 22.006 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Instrument :
 MSVOA_W
 ClientSampleId :

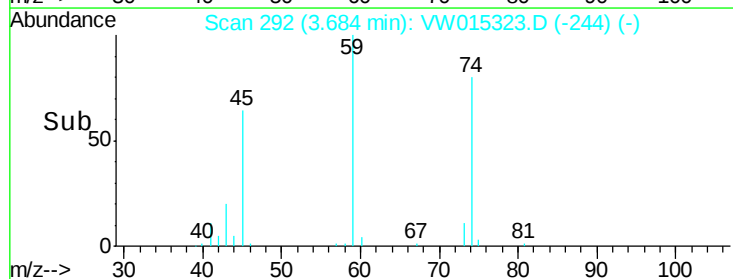
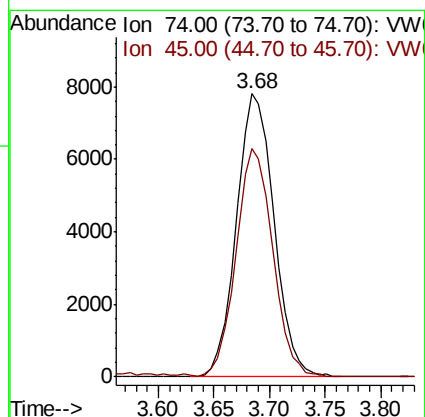
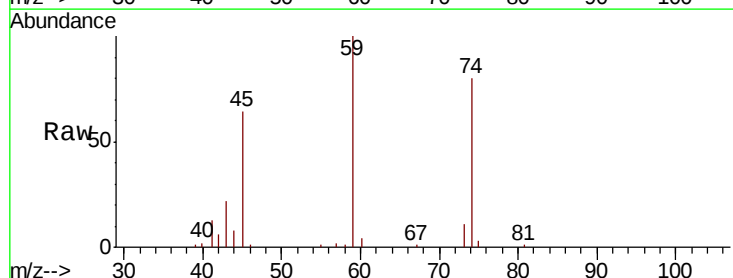
Tot Ion:101 Resp: 73112
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.3 76.9

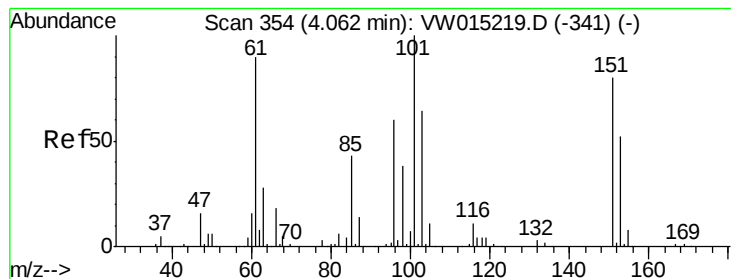


#8

Diethyl Ether
 Concen: 19.635 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion: 74 Resp: 18310
 Ion Ratio Lower Upper
 74 100
 45 79.0 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.381 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

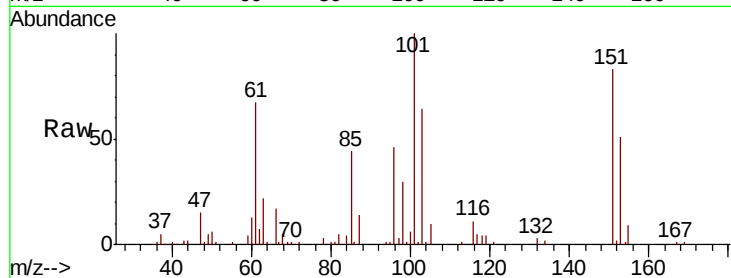
Tot Ion:101 Resp: 45853

Ion Ratio Lower Upper

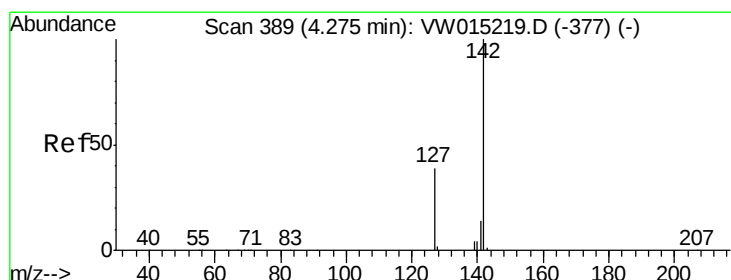
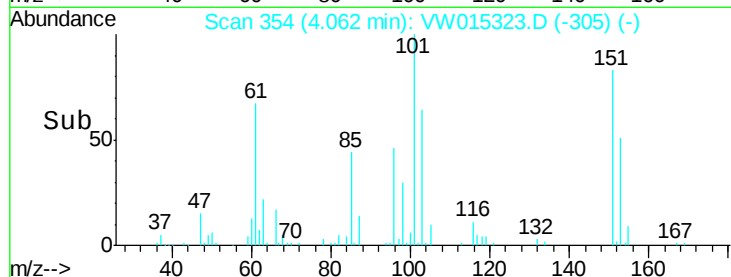
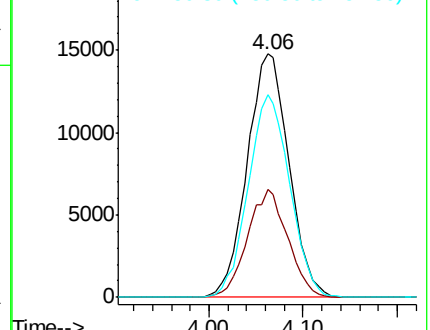
101 100

85 42.6 35.3 52.9

151 82.9 59.3 88.9



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: 17.820 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

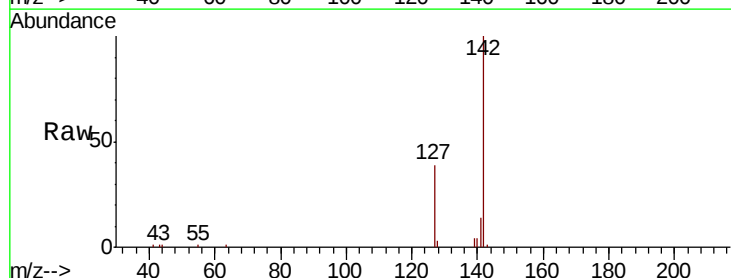
Tgt Ion:142 Resp: 38346

Ion Ratio Lower Upper

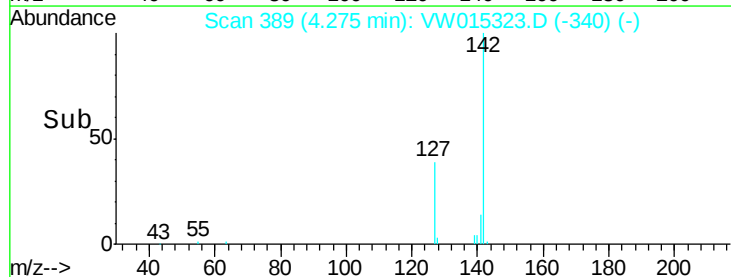
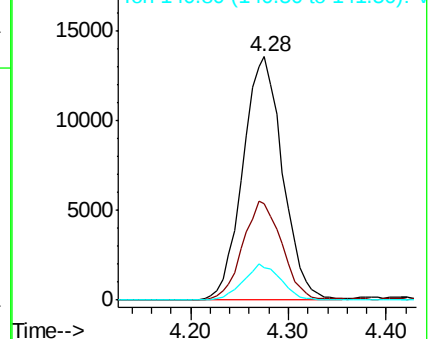
142 100

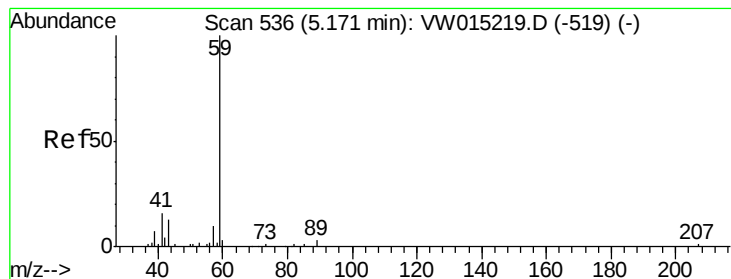
127 39.9 33.9 50.9

141 13.9 11.4 17.2



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: 87.705 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

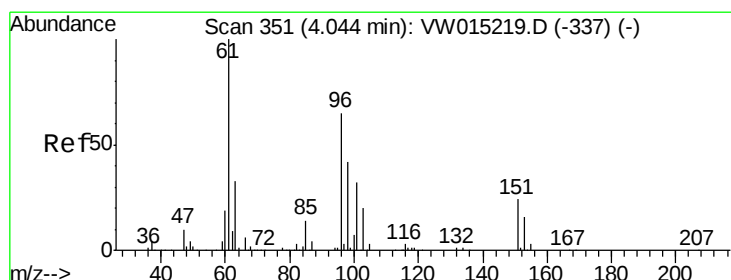
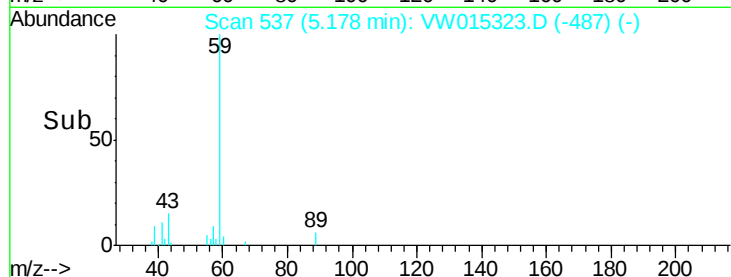
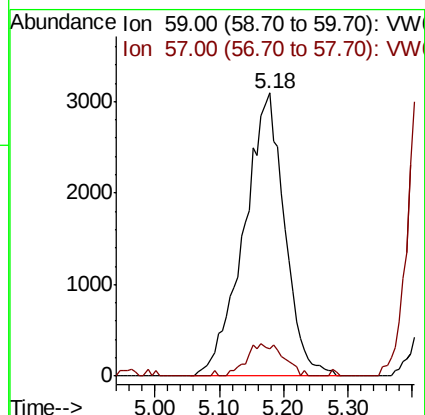
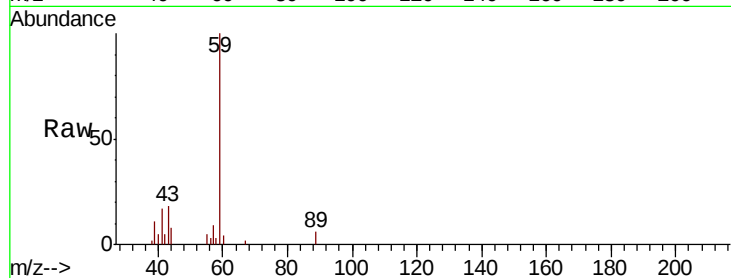
ClientSampleId :

Tot Ion: 59 Resp: 13517

Ion Ratio Lower Upper

59 100

57 10.3 8.4 12.6



#12

1,1-Dichloroethene

Concen: 21.309 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

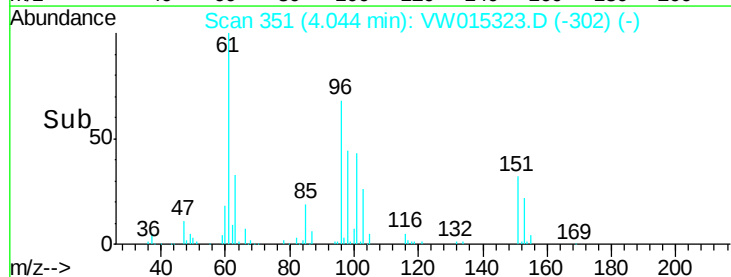
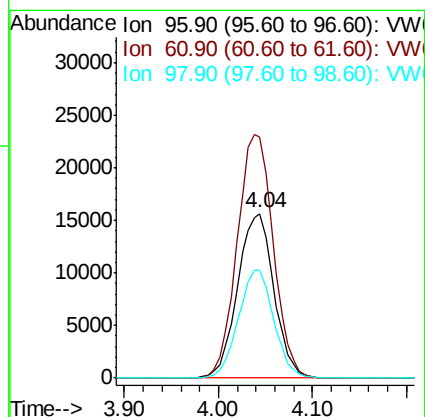
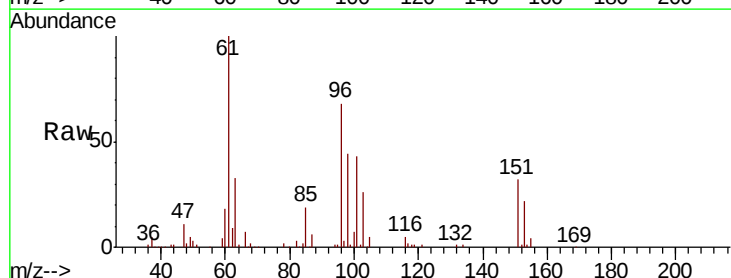
Tgt Ion: 96 Resp: 42022

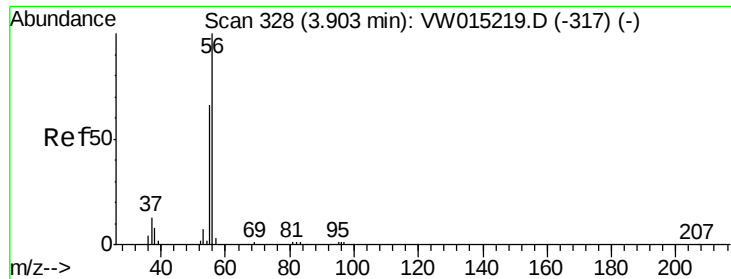
Ion Ratio Lower Upper

96 100

61 147.1 127.0 190.4

98 65.3 51.0 76.4

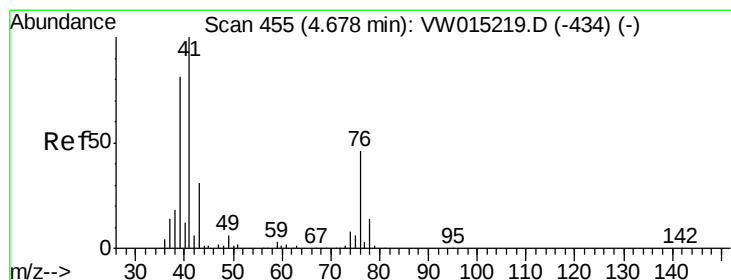
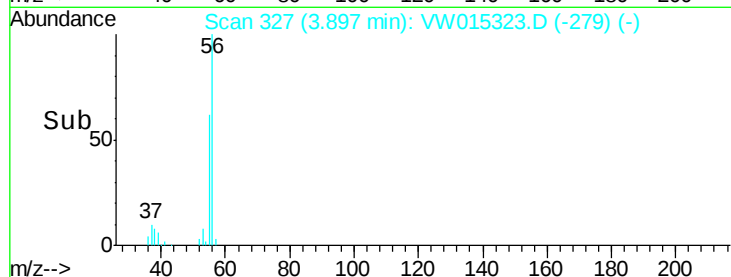
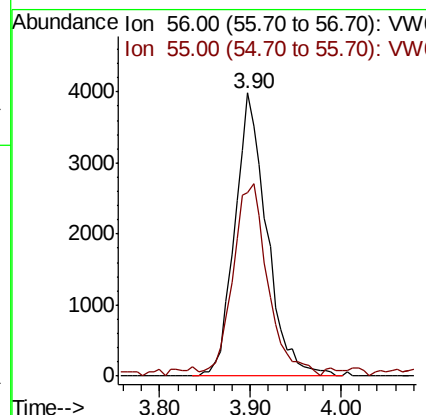
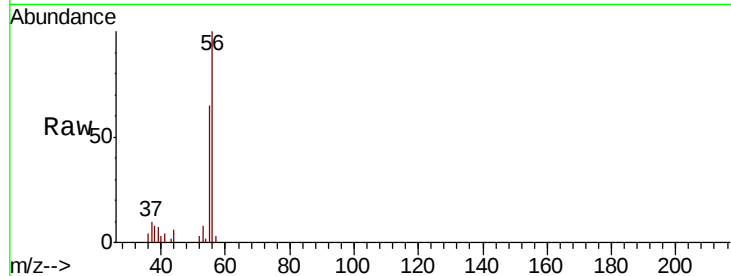




#13
Acrolein
Concen: 121.242 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

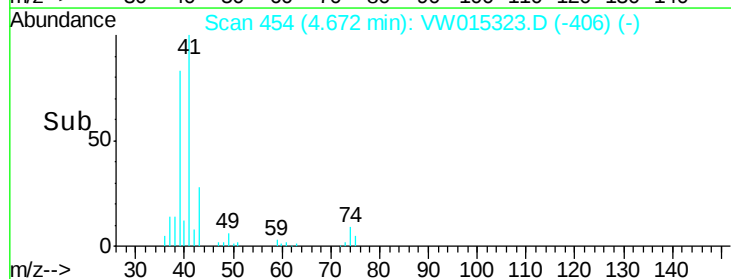
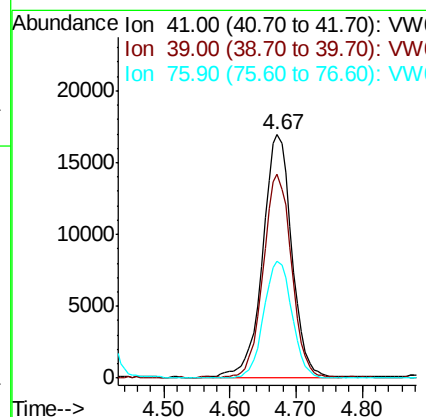
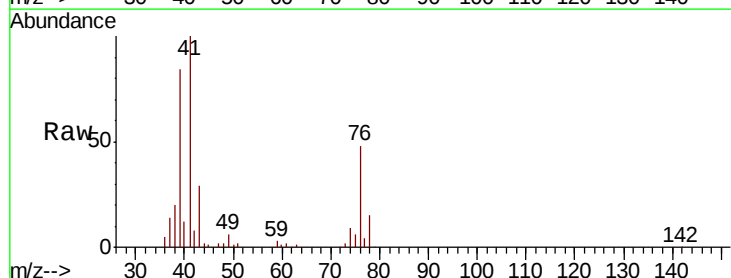
Instrument :
MSVOA_W
ClientSampled :

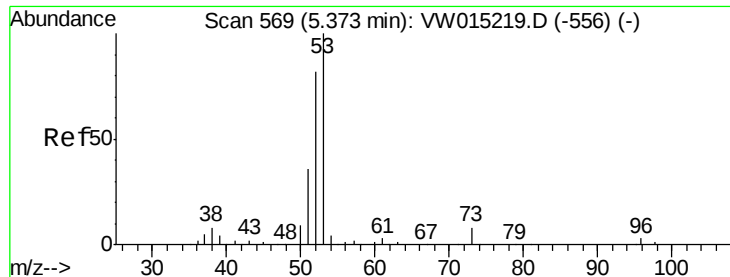
Tot Ion: 56 Resp: 9780
Ion Ratio Lower Upper
56 100
55 74.7 56.2 84.2



#14
Allyl chloride
Concen: 19.599 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 41 Resp: 51274
Ion Ratio Lower Upper
41 100
39 82.9 54.0 81.0#
76 46.9 31.8 47.6





#15

Acrylonitrile

Concen: 91.977 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

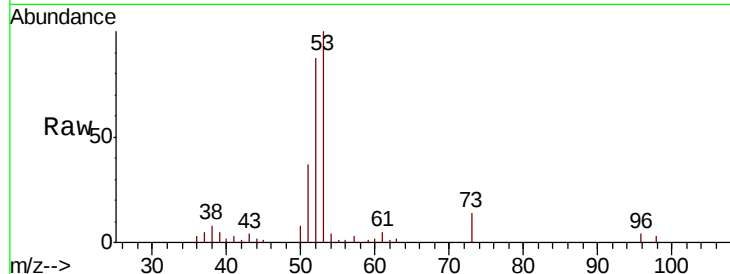
Tot Ion: 53 Resp: 32641

Ion Ratio Lower Upper

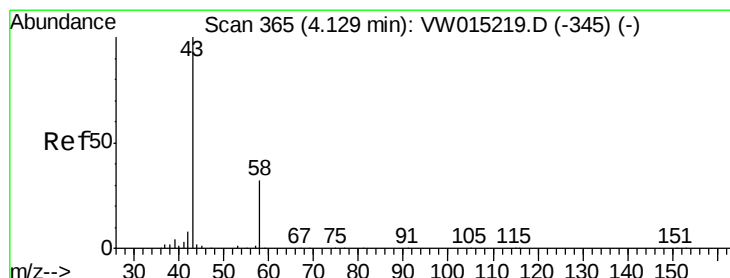
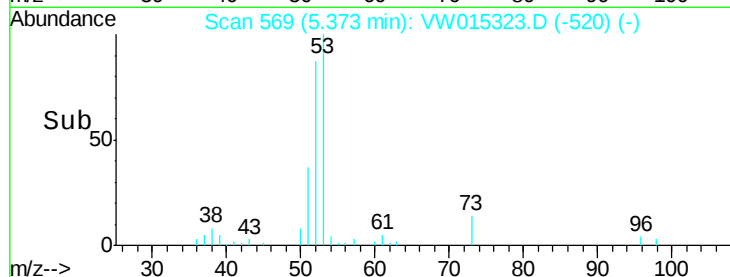
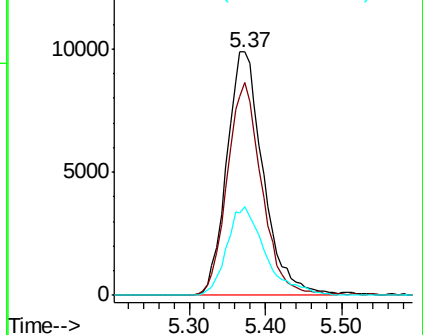
53 100

52 82.7 65.2 97.8

51 38.4 28.2 42.4



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: 83.322 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015323.D

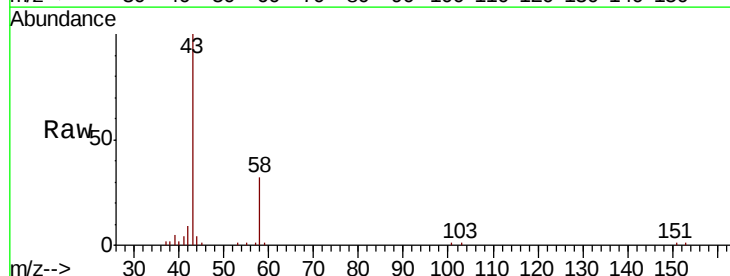
Acq: 23 Apr 2020 11:19

Tgt Ion: 43 Resp: 27515

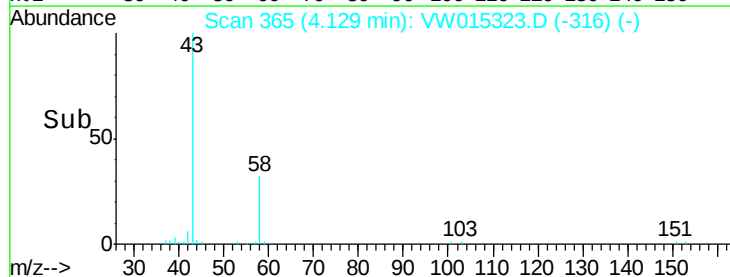
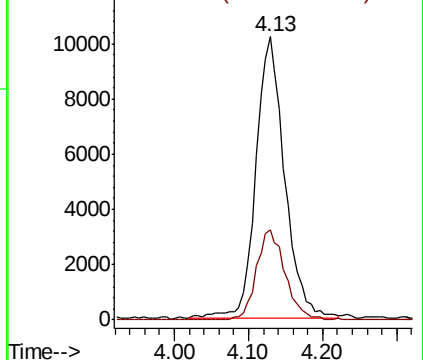
Ion Ratio Lower Upper

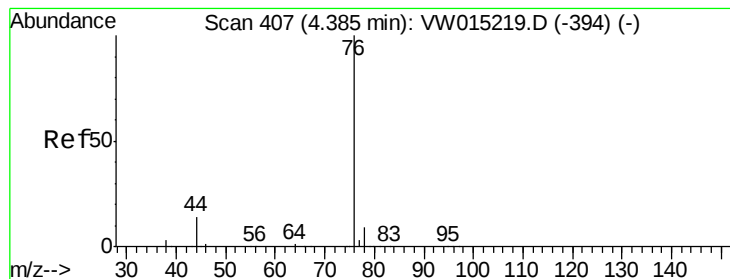
43 100

58 31.9 27.0 40.4



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





#17

Carbon Disulfide

Concen: 20.652 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

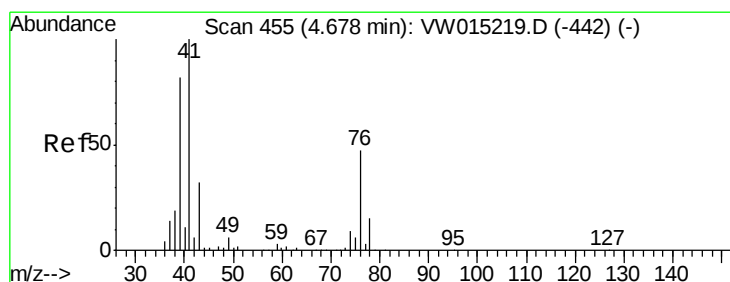
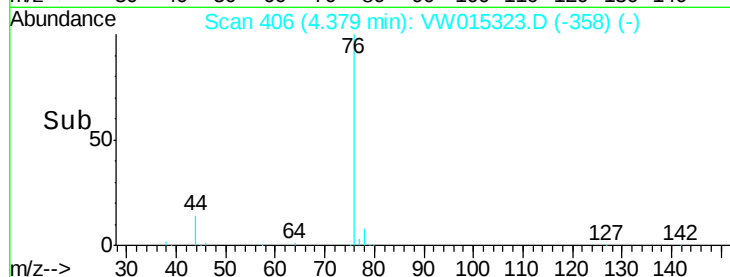
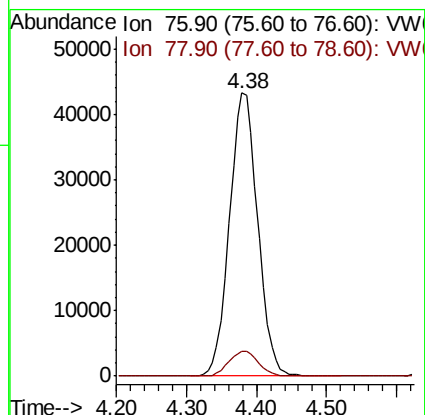
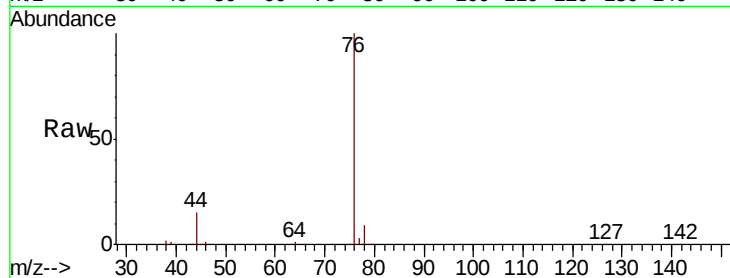
ClientSampleId :

Tot Ion: 76 Resp: 121027

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



#18

Methyl Acetate

Concen: 17.624 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015323.D

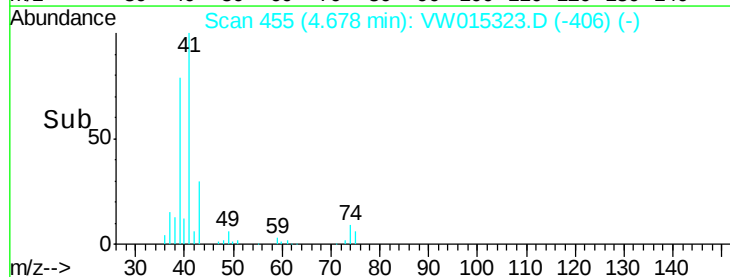
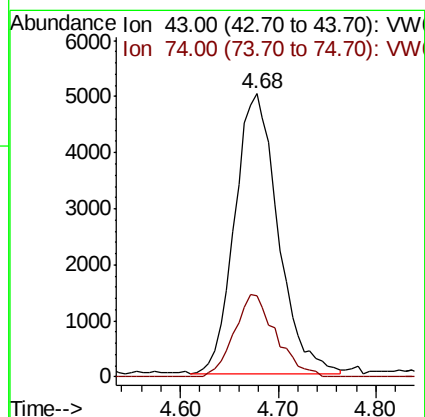
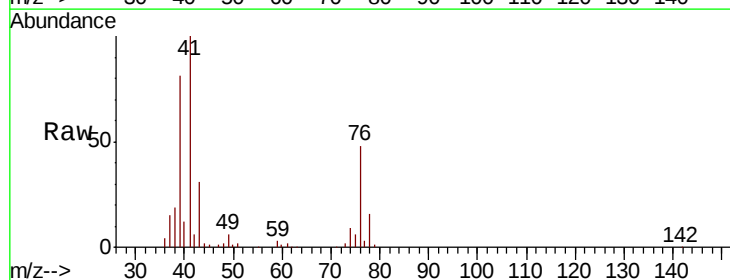
Acq: 23 Apr 2020 11:19

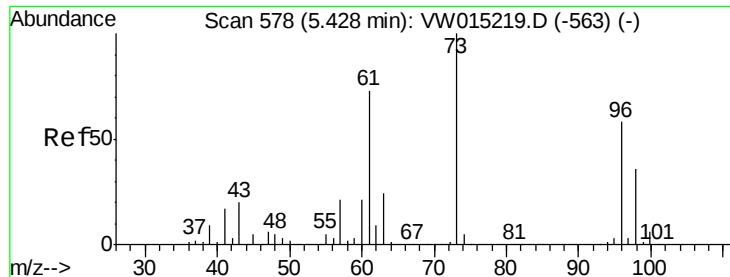
Tgt Ion: 43 Resp: 15405

Ion Ratio Lower Upper

43 100

74 28.1 20.6 31.0

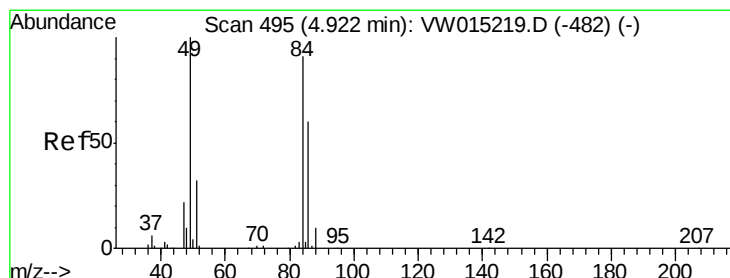
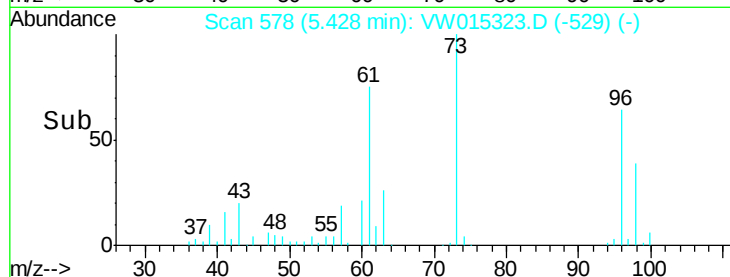
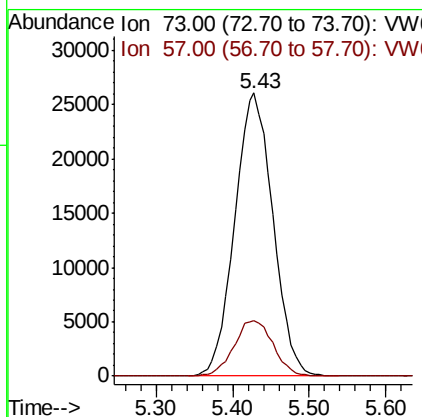
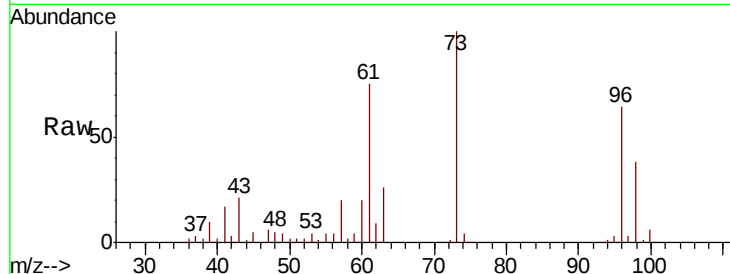




#19
Methvl tert-butvl Ether
Concen: 19.963 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

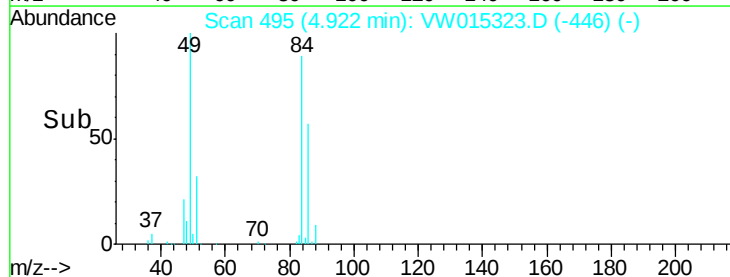
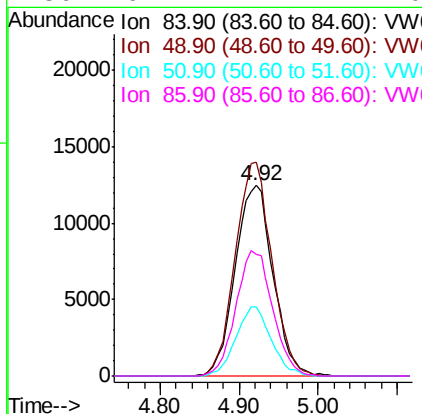
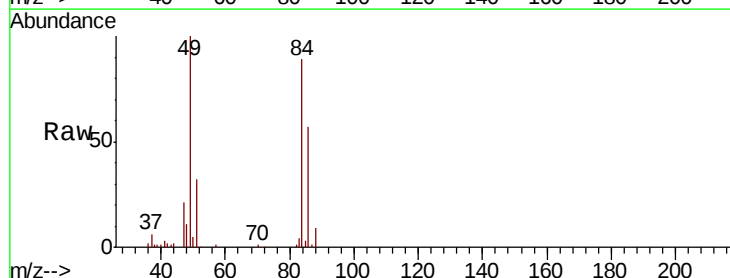
Instrument :
MSVOA_W
ClientSampleId :

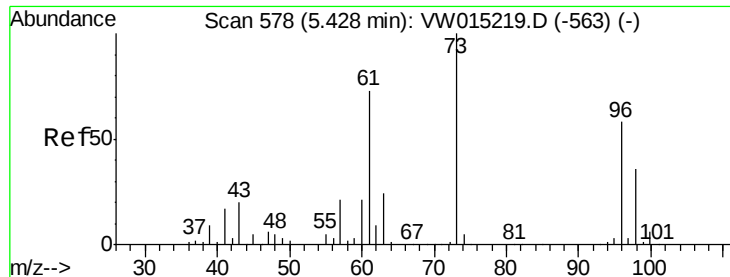
Tot Ion: 73 Resp: 90372
Ion Ratio Lower Upper
73 100
57 19.7 17.8 26.6



#20
Methylene Chloride
Concen: 19.192 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 84 Resp: 41536
Ion Ratio Lower Upper
84 100
49 112.2 95.4 143.0
51 36.2 29.8 44.8
86 64.2 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 21.545 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampled :

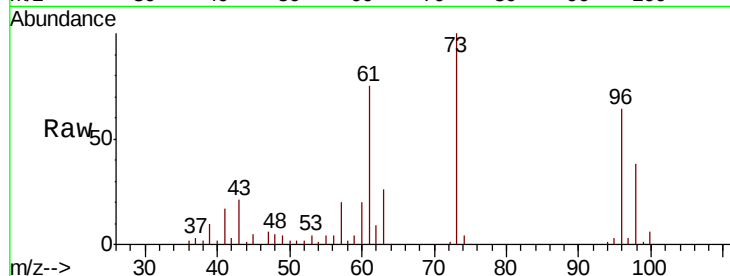
Tot Ion: 96 Resp: 48187

Ion Ratio Lower Upper

96 100

61 117.4 107.8 161.6

98 60.6 50.2 75.2

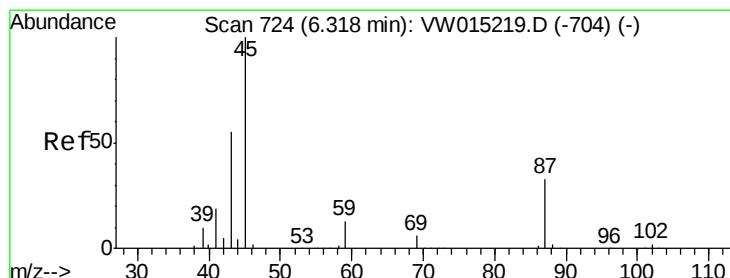
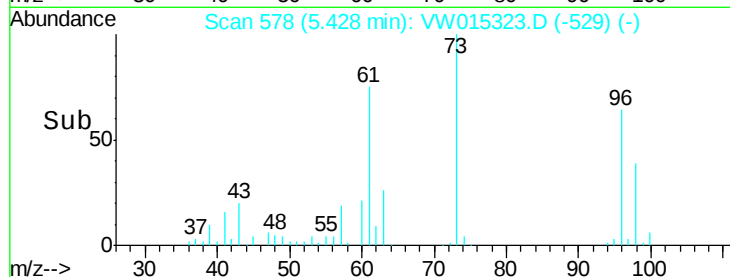
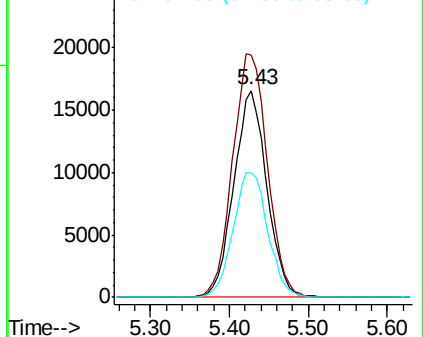


Abundance

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: 20.108 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Tgt Ion: 45 Resp: 100915

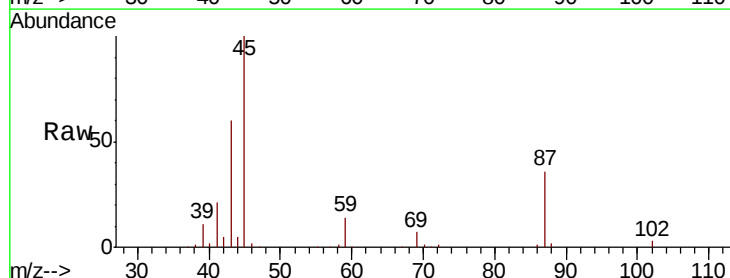
Ion Ratio Lower Upper

45 100

43 59.4 41.8 62.6

87 35.6 23.2 34.8#

59 13.5 9.6 14.4



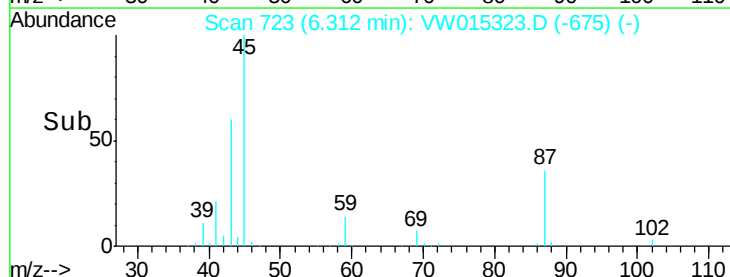
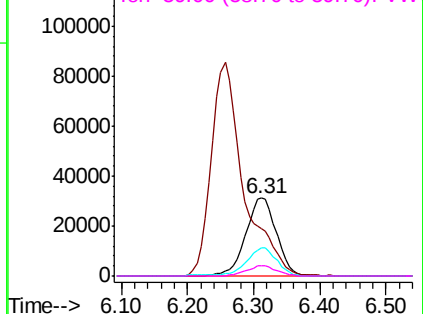
Abundance

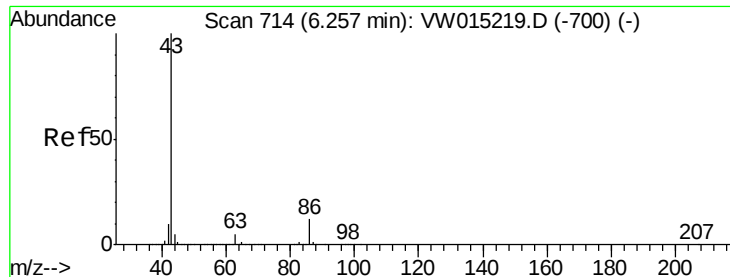
Ion 45.00 (44.70 to 45.70): VW

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: 98.468 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

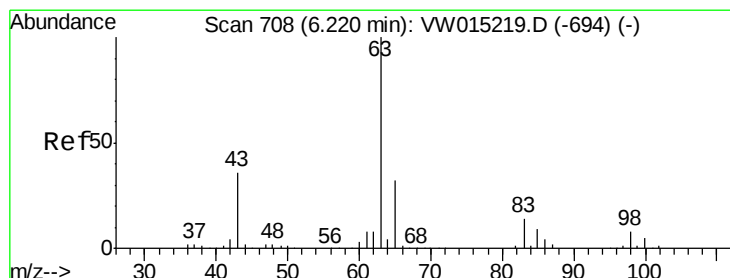
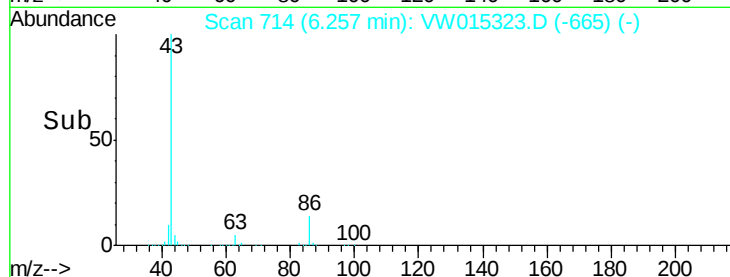
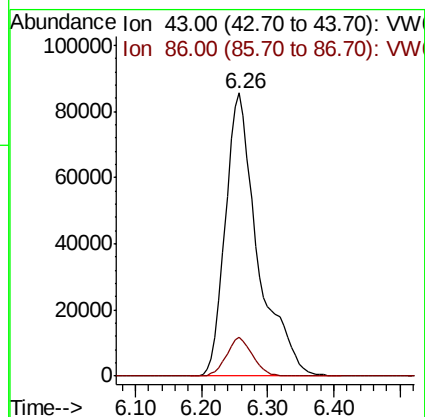
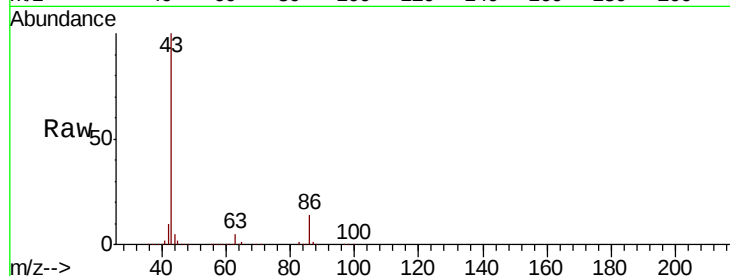
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 290001

Ion Ratio Lower Upper

43 100

86 13.6 9.1 13.7



#24

1,1-Dichloroethane

Concen: 20.634 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

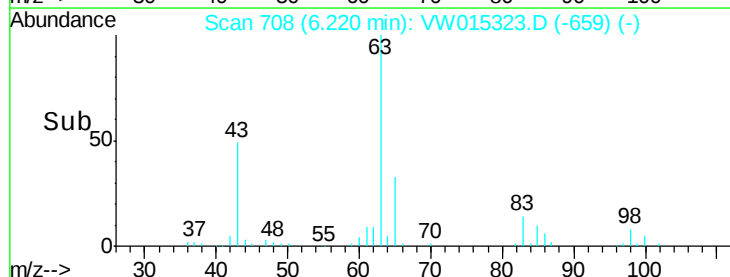
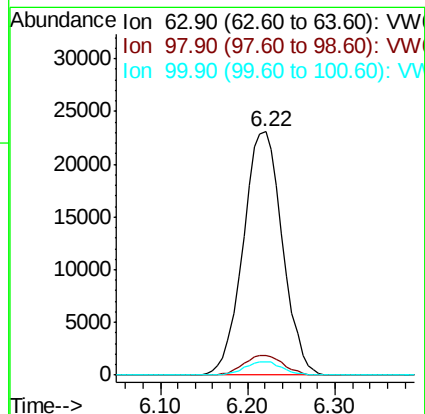
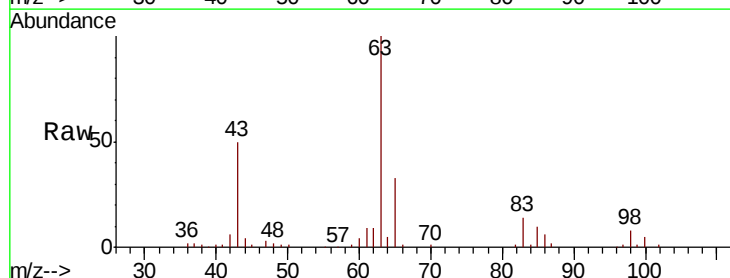
Tgt Ion: 63 Resp: 71770

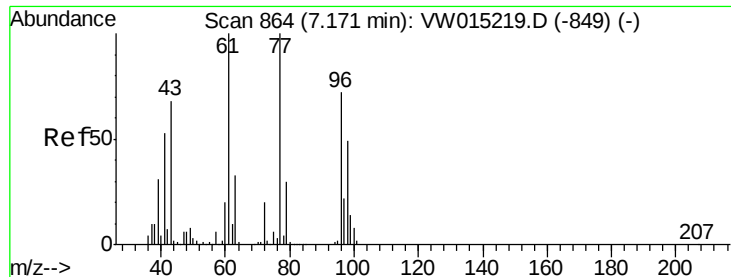
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 5.4 2.4 7.2





#25

2-Butanone

Concen: 91.763 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

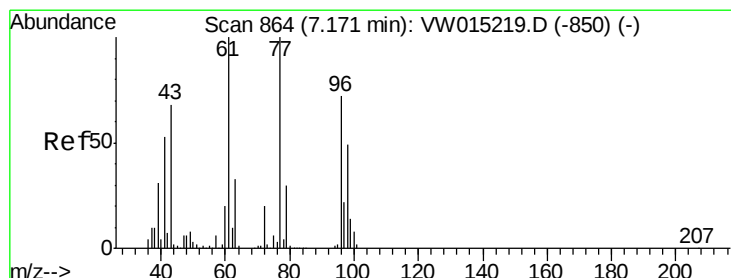
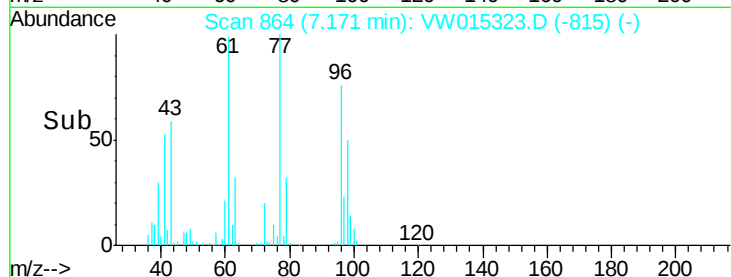
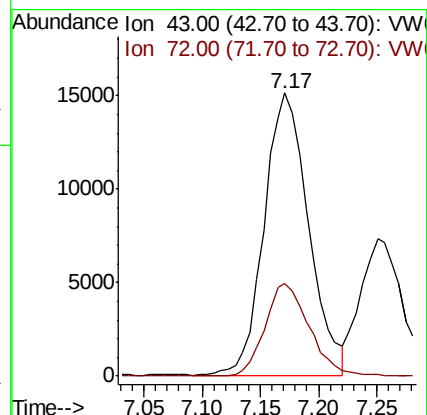
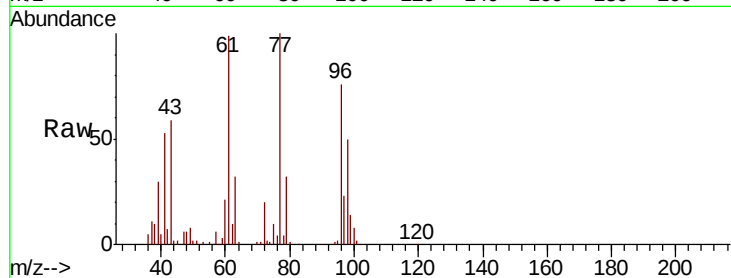
ClientSampled :

Tot Ion: 43 Resp: 40203

Ion Ratio Lower Upper

43 100

72 33.0 21.6 32.4#



#26

2,2-Dichloropropane

Concen: 21.235 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015323.D

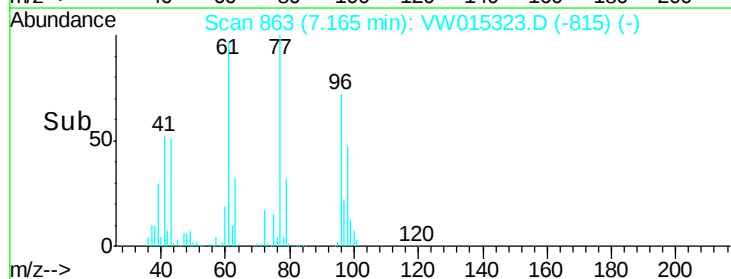
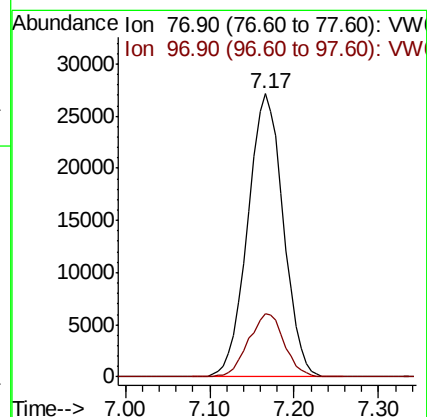
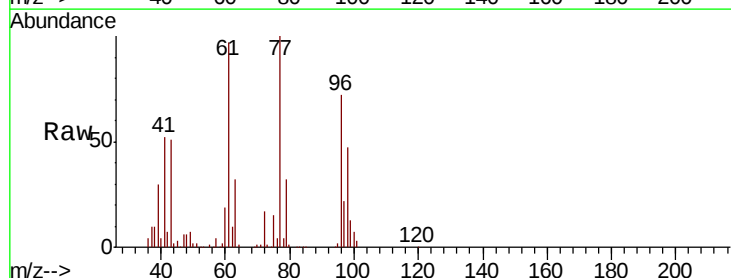
Acq: 23 Apr 2020 11:19

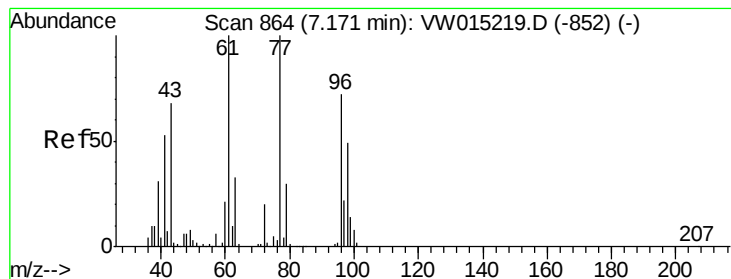
Tgt Ion: 77 Resp: 77703

Ion Ratio Lower Upper

77 100

97 22.5 11.9 35.5



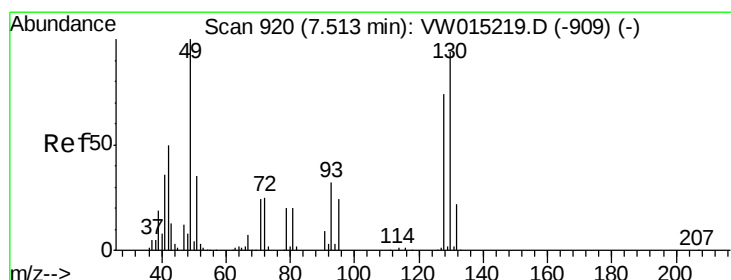
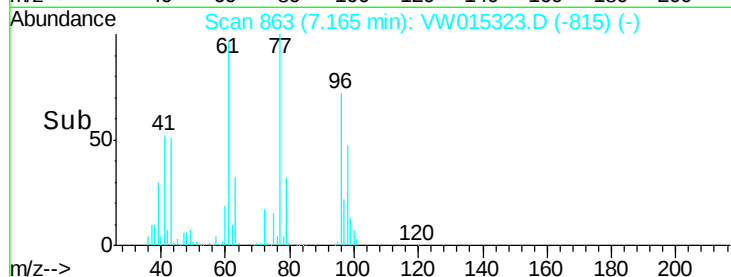
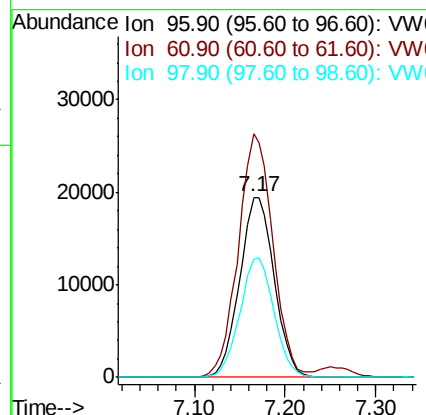
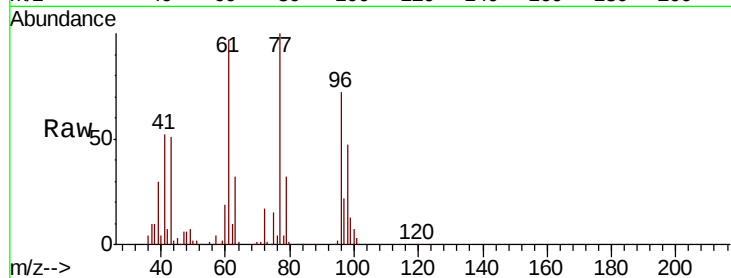


#27

cis-1,2-Dichloroethene
 Concen: 21.264 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Instrument :
 MSVOA_W
 ClientSampled :

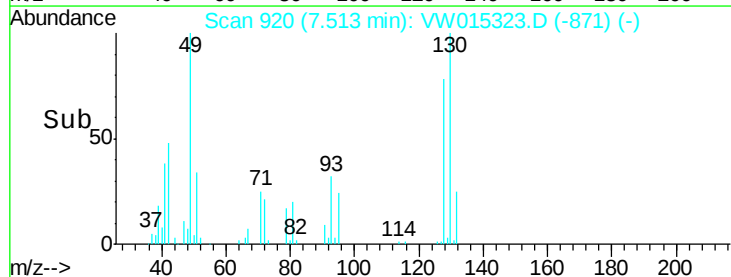
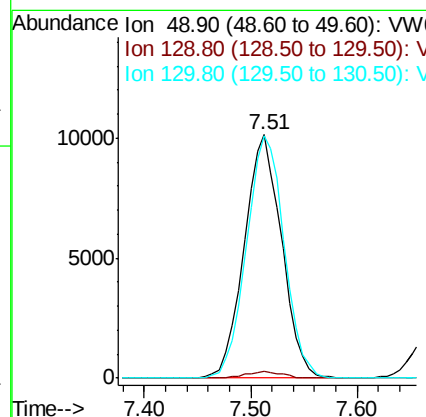
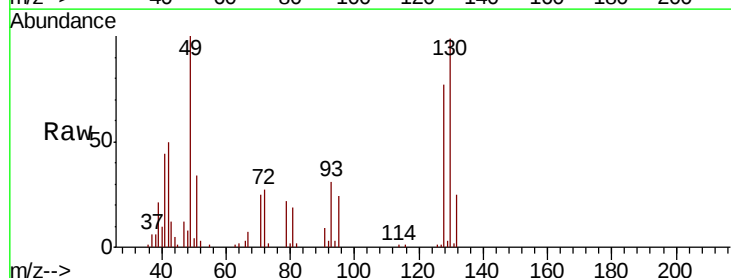
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	275.0
98	65.6	0.0	130.8

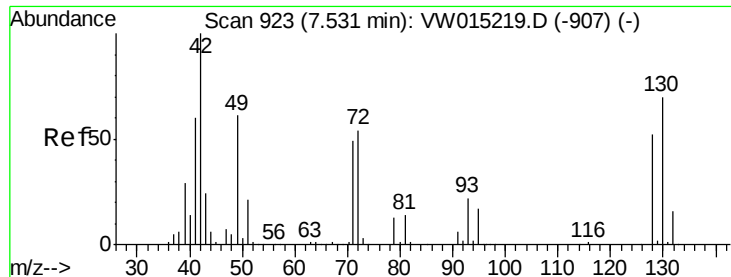


#28

Bromochloromethane
 Concen: 19.722 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	100.5	60.9	91.3#

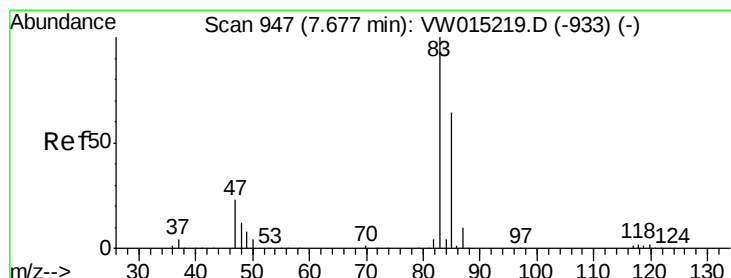
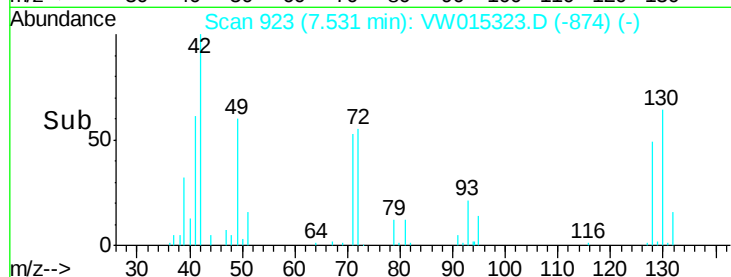
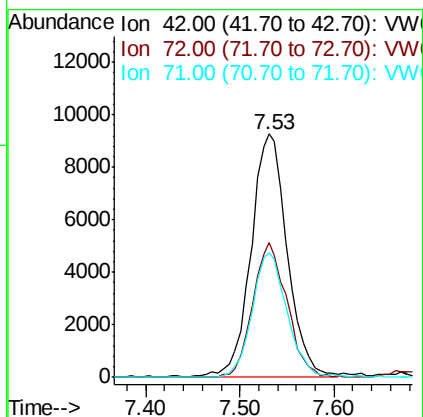
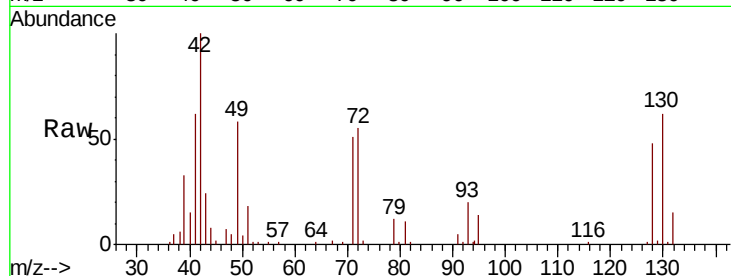




#29
Tetrahydrofuran
Concen: 91.752 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

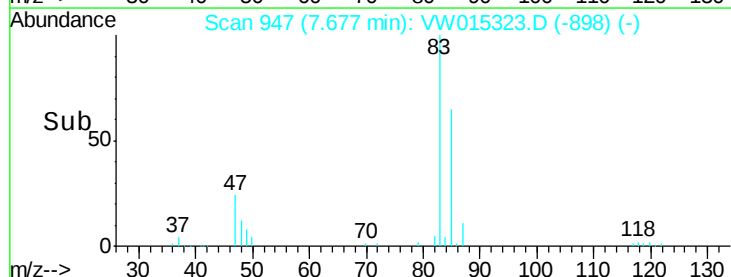
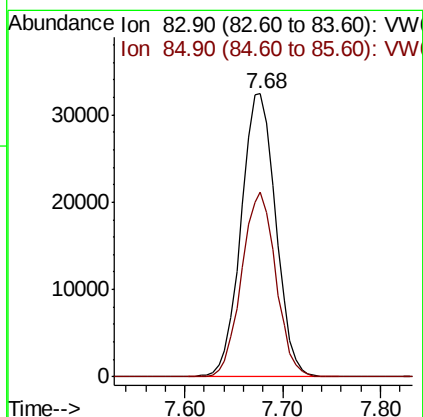
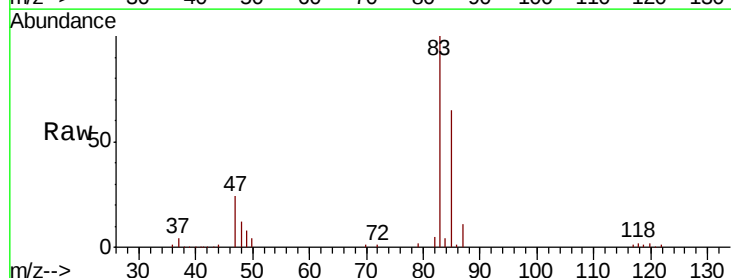
Instrument :
MSVOA_W
ClientSampled :

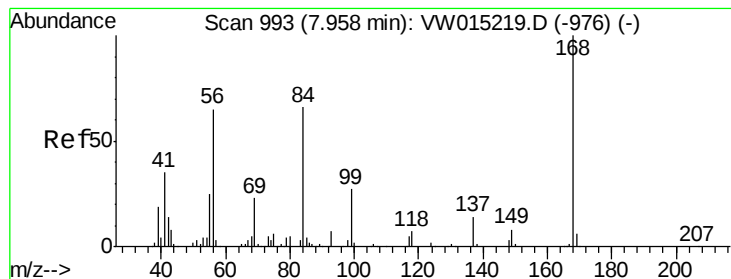
Tot Ion: 42 Resp: 25044
Ion Ratio Lower Upper
42 100
72 52.3 36.2 54.2
71 49.3 34.2 51.4



#30
Chloroform
Concen: 21.255 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 83 Resp: 79790
Ion Ratio Lower Upper
83 100
85 65.3 50.9 76.3





#31

Cyclohexane

Concen: 20.807 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampled :

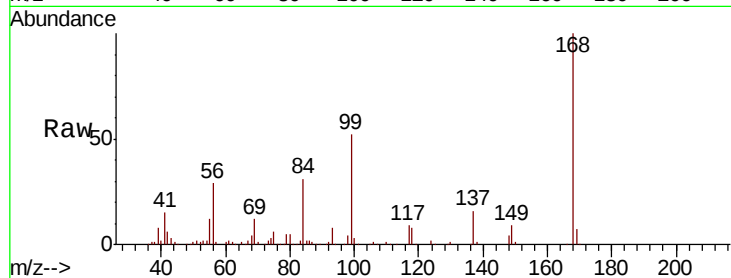
Tot Ion: 56 Resp: 72748

Ion Ratio Lower Upper

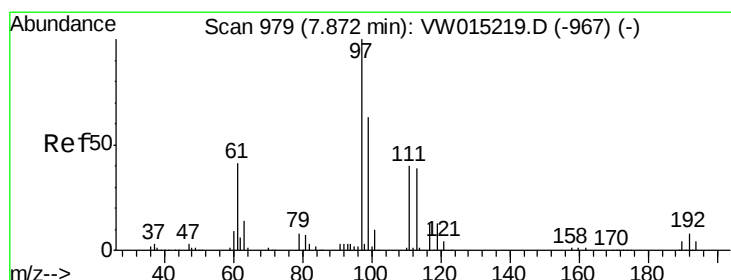
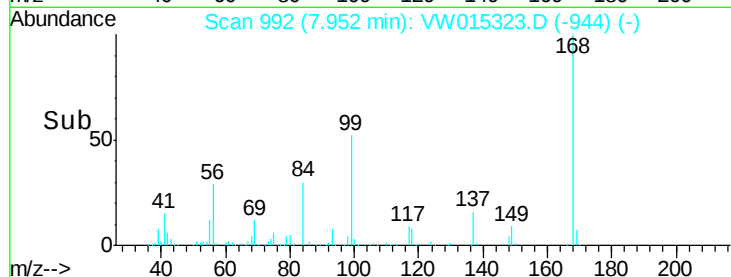
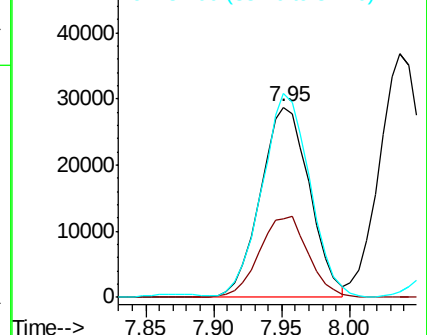
56 100

69 41.1 27.1 40.7#

84 105.7 71.9 107.9



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: 21.969 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

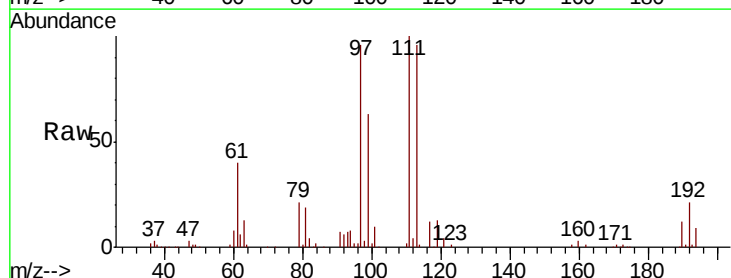
Tgt Ion: 97 Resp: 79595

Ion Ratio Lower Upper

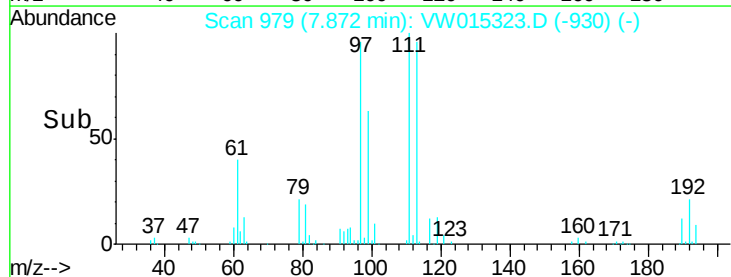
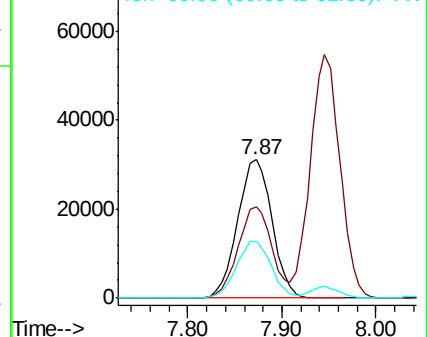
97 100

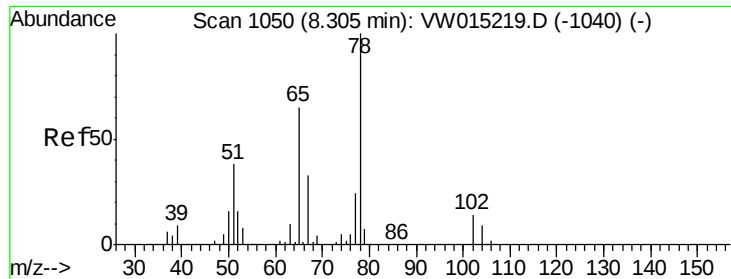
99 65.4 52.2 78.2

61 41.4 34.2 51.2



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

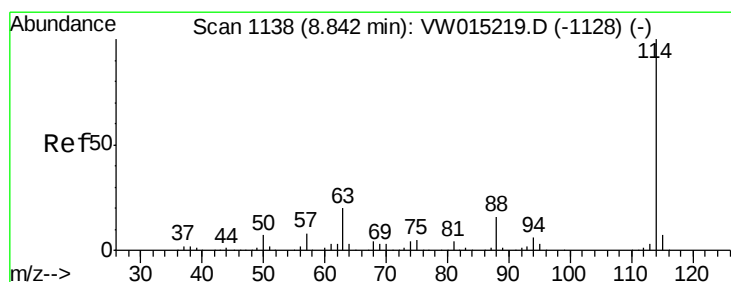
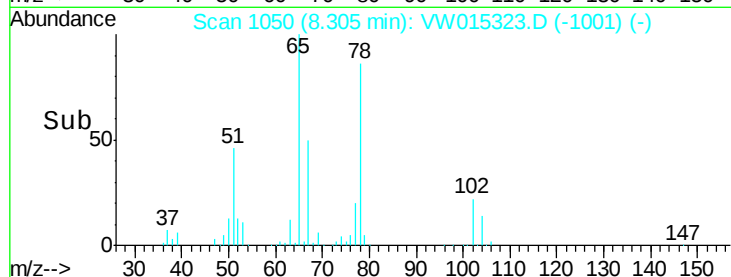
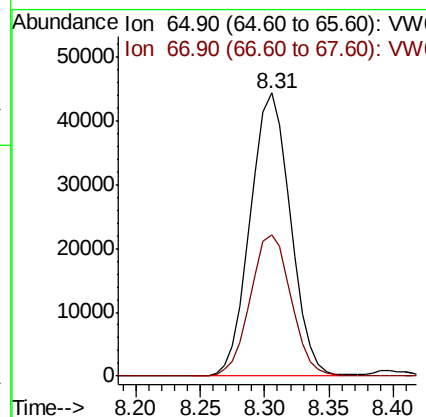
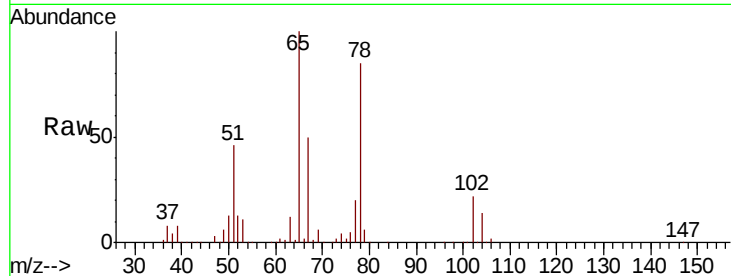




#33
 1,2-Dichloroethane-d4
 Concen: 50.738 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

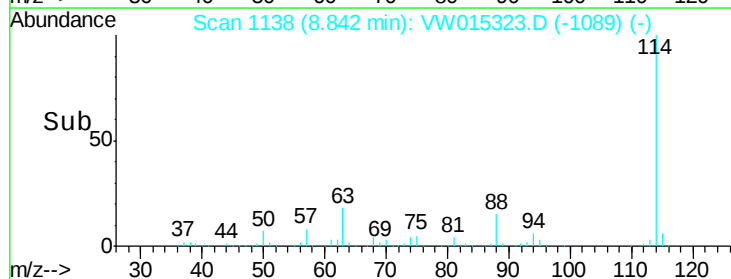
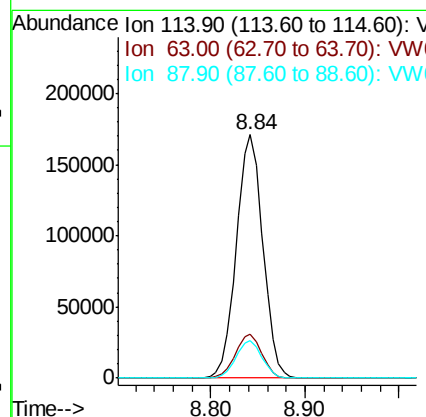
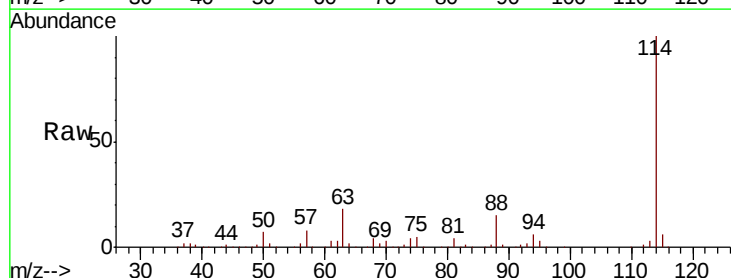
Instrument :
 MSVOA_W
 ClientSampleId :

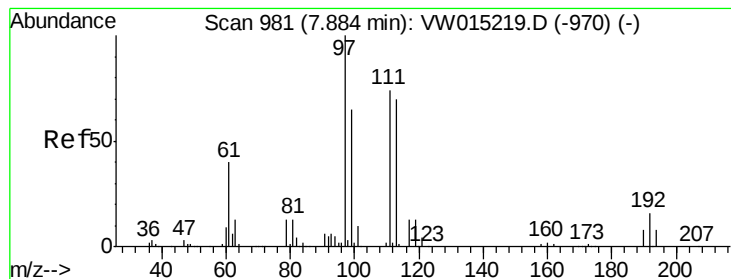
Tot Ion: 65 Resp: 95927
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion: 114 Resp: 333732
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 39.8
 88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.694 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampled :

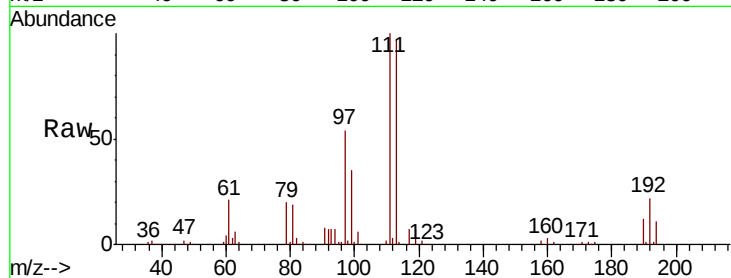
Tot Ion:113 Resp: 97410

Ion Ratio Lower Upper

113 100

111 101.3 83.0 124.4

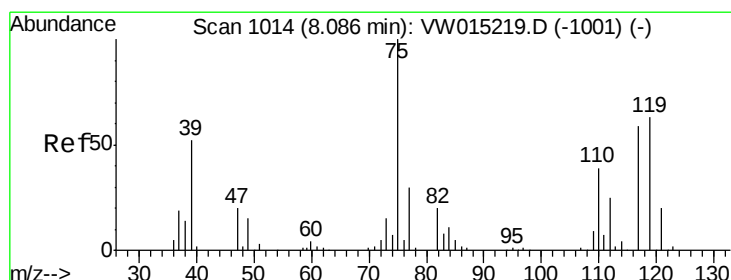
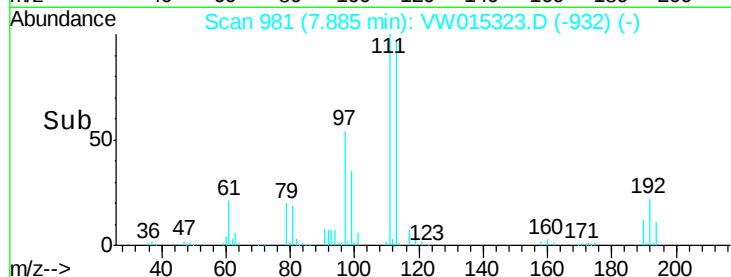
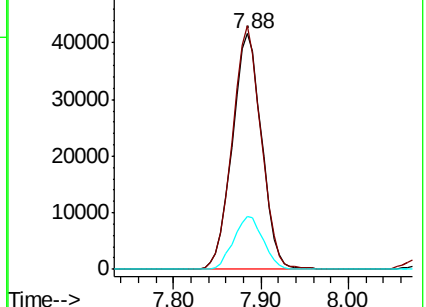
192 22.7 15.1 22.7



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: 21.791 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

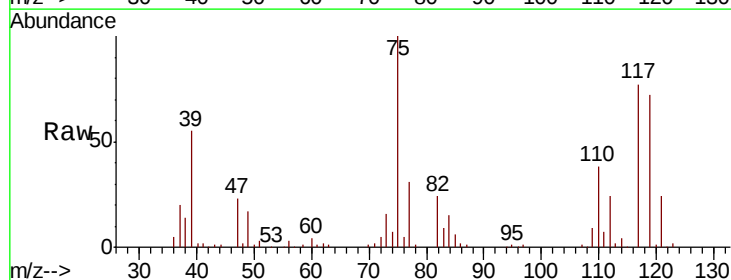
Tgt Ion: 75 Resp: 65639

Ion Ratio Lower Upper

75 100

110 38.0 18.2 54.6

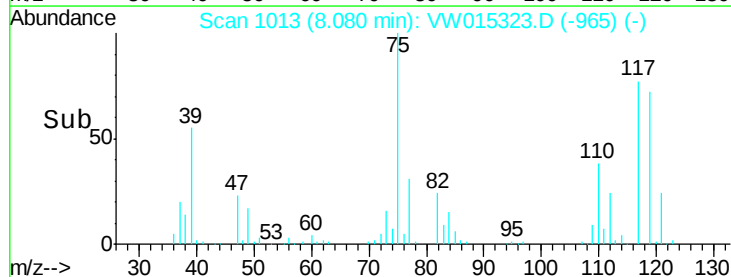
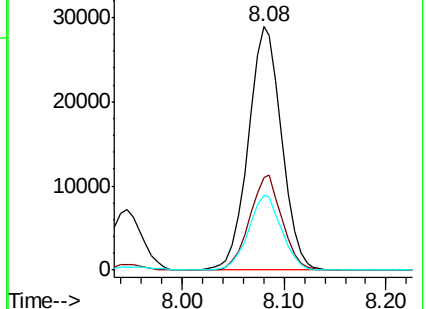
77 30.8 24.5 36.7

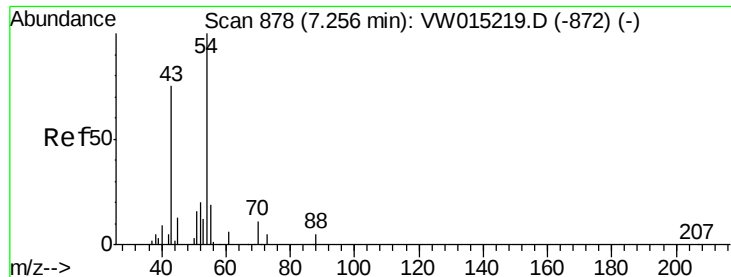


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 19.058 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

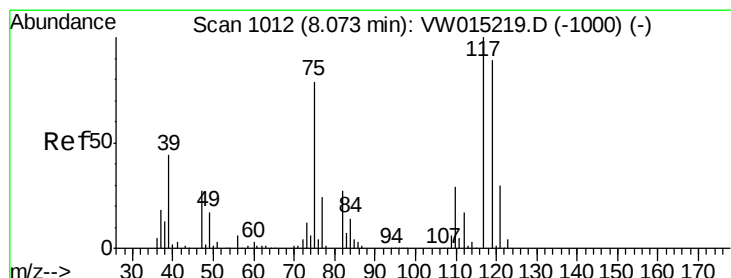
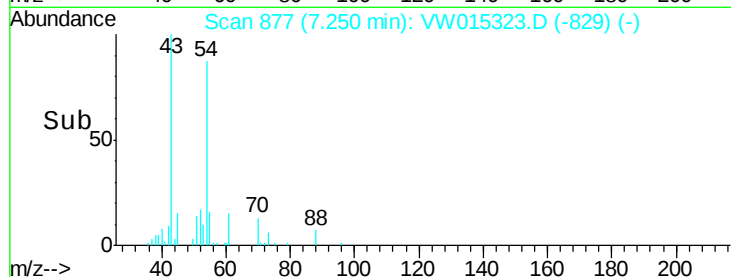
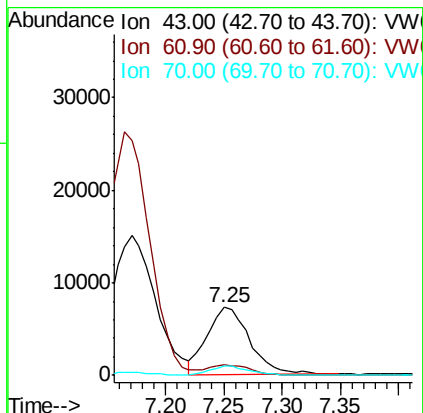
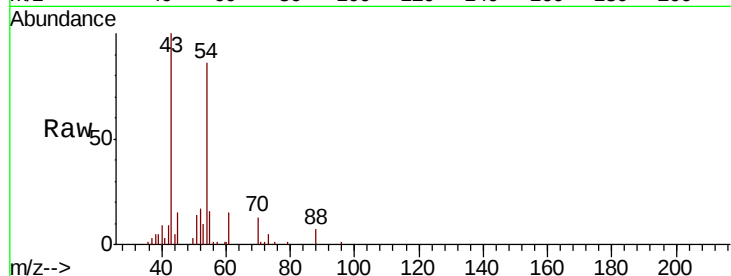
Tot Ion: 43 Resp: 18630

Ion Ratio Lower Upper

43 100

61 15.6 11.9 17.9

70 12.8 8.8 13.2



#38

Carbon Tetrachloride

Concen: 21.987 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

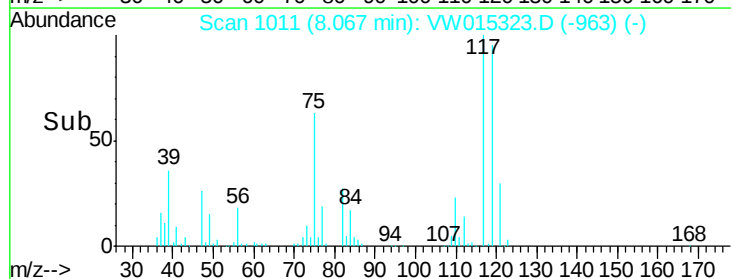
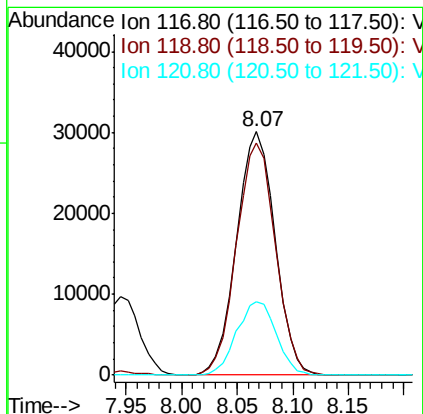
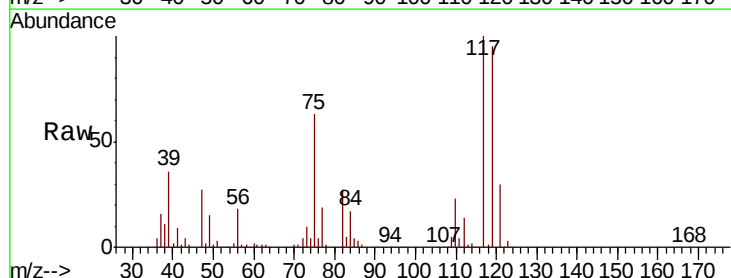
Tgt Ion: 117 Resp: 72374

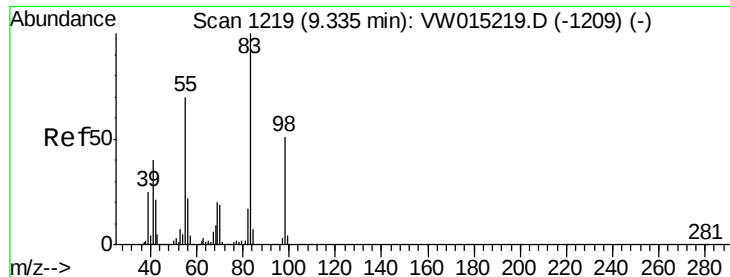
Ion Ratio Lower Upper

117 100

119 95.2 72.3 108.5

121 30.0 23.7 35.5

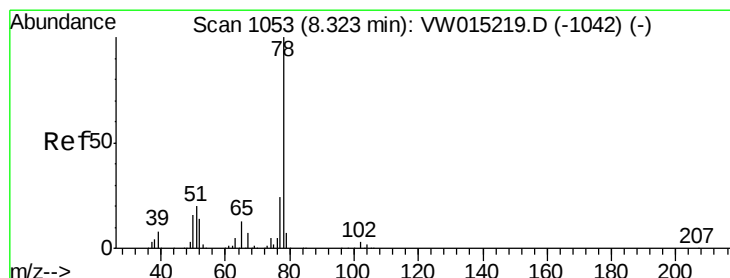
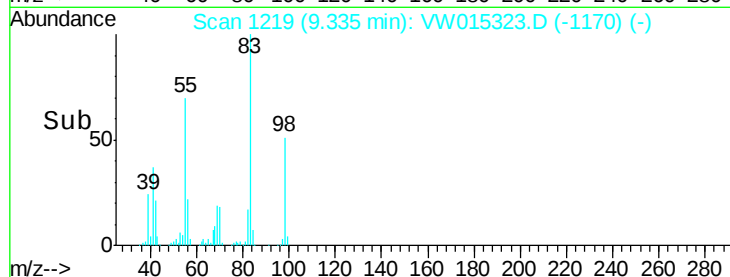
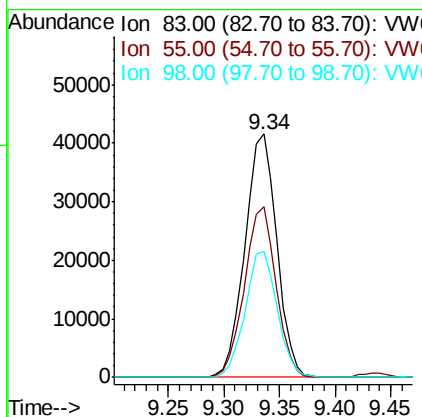
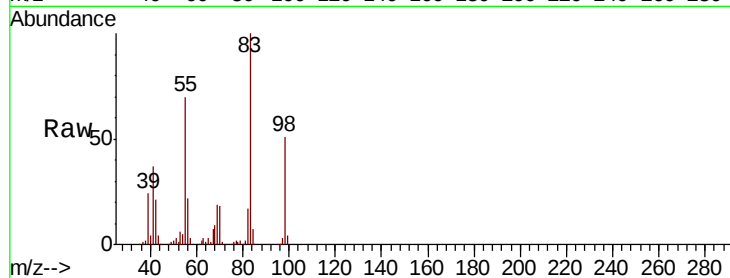




#39
Methvlcvclohexane
Concen: 20.751 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

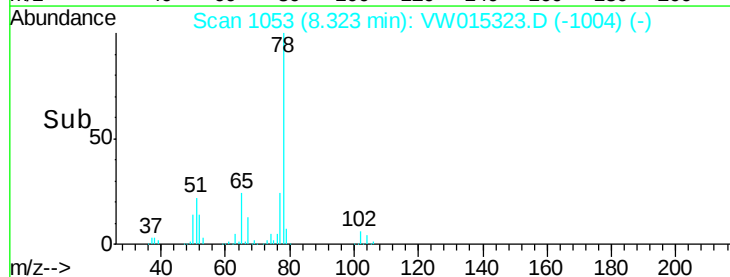
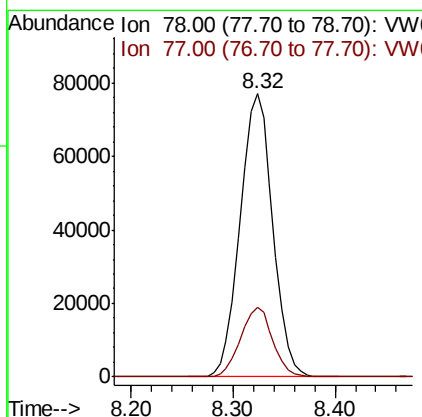
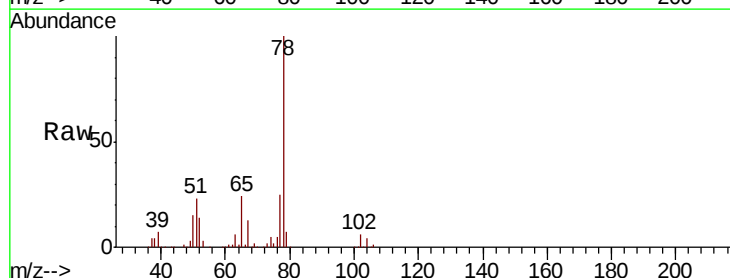
Instrument :
MSVOA_W
ClientSampled :

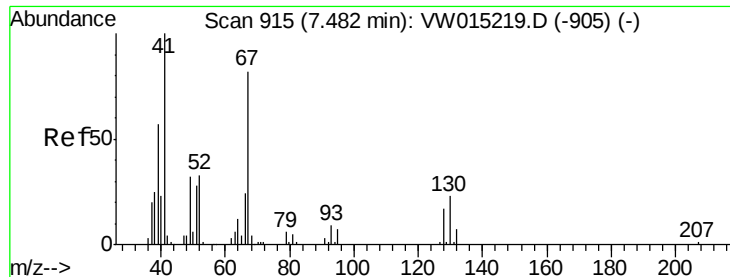
Tot Ion: 83 Resp: 83193
Ion Ratio Lower Upper
83 100
55 70.3 58.1 87.1
98 51.5 40.2 60.4



#40
Benzene
Concen: 21.234 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 78 Resp: 170852
Ion Ratio Lower Upper
78 100
77 24.6 18.2 27.2

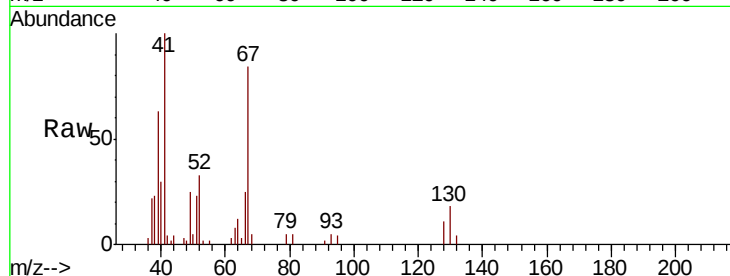




#41
Methacrylonitrile
Concen: 17.651 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.8	41.9	62.9
67	91.0	60.6	91.0#
52	36.0	23.8	35.8#



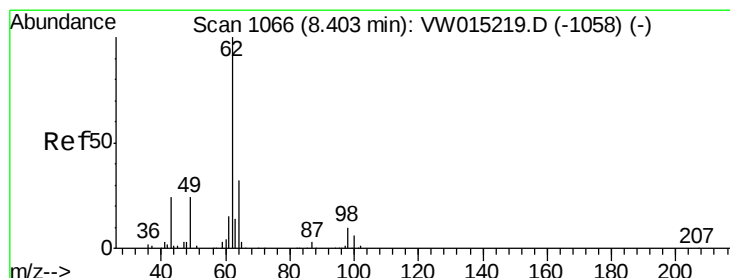
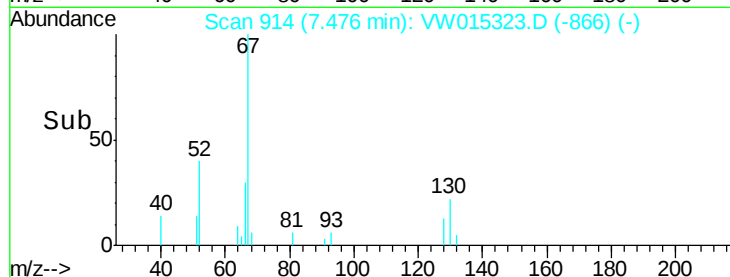
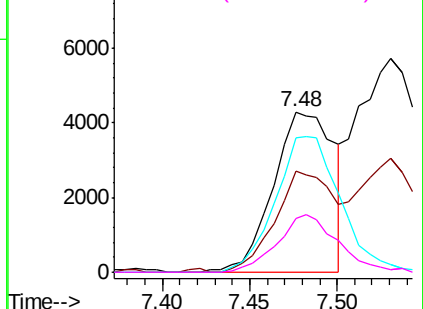
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

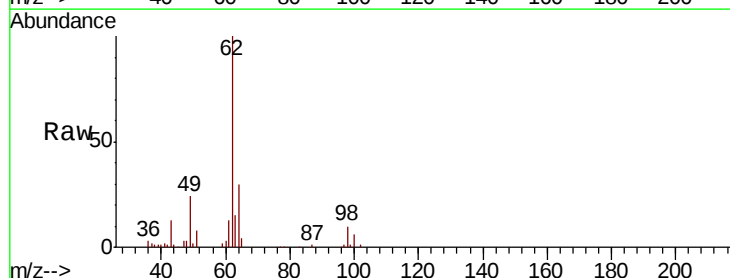
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 20.757 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

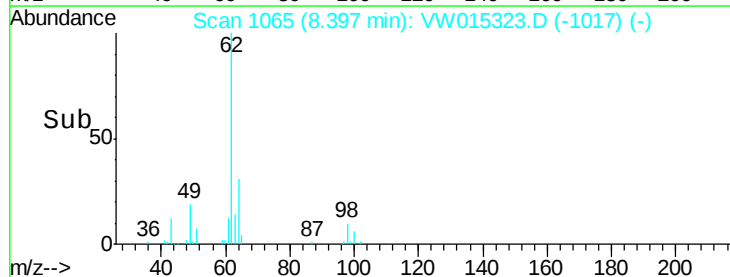
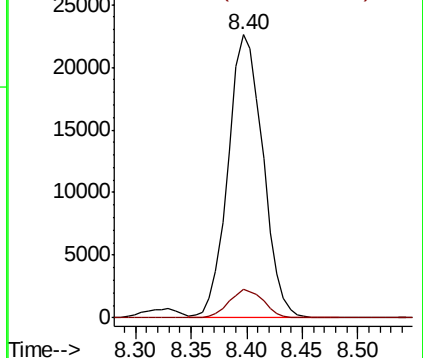
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4

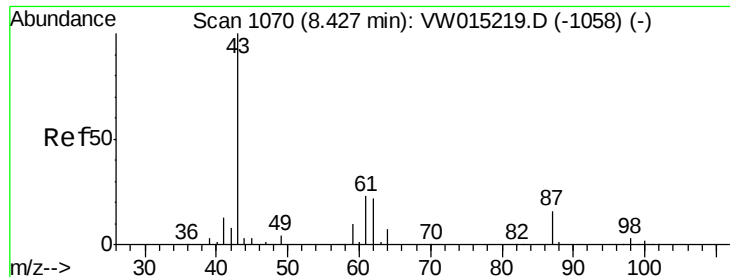


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.608 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampled :

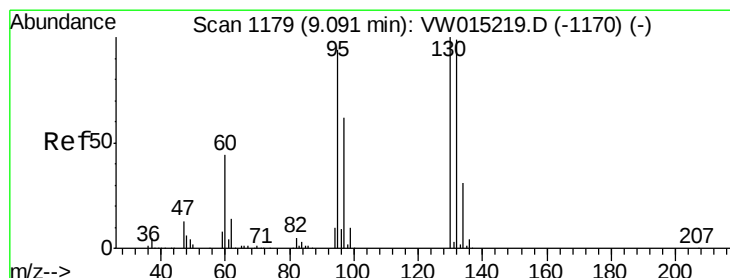
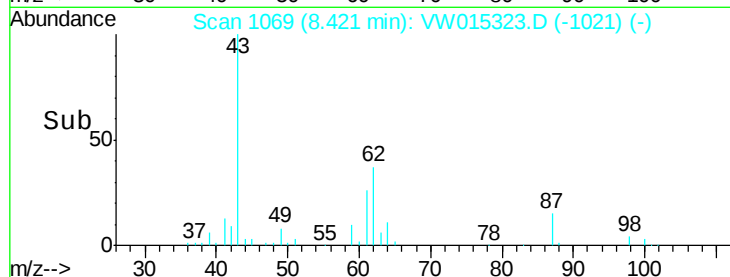
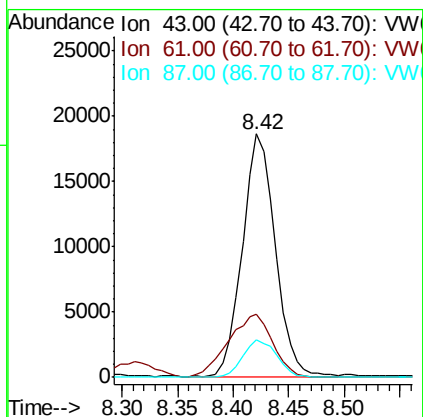
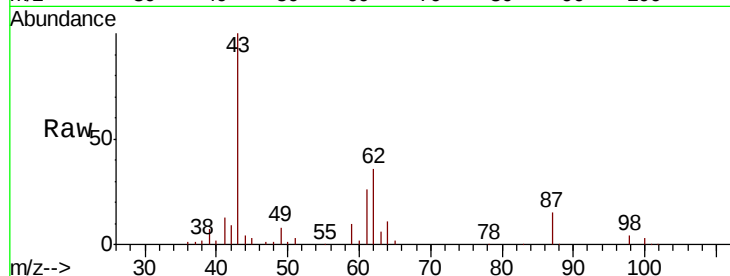
Tot Ion: 43 Resp: 38152

Ion Ratio Lower Upper

43 100

61 35.1 24.8 37.2

87 16.1 11.4 17.2



#44

Trichloroethene

Concen: 22.284 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015323.D

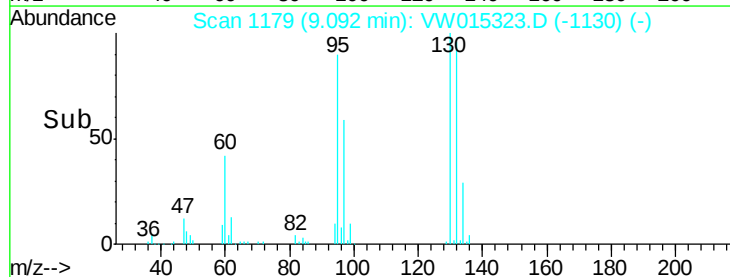
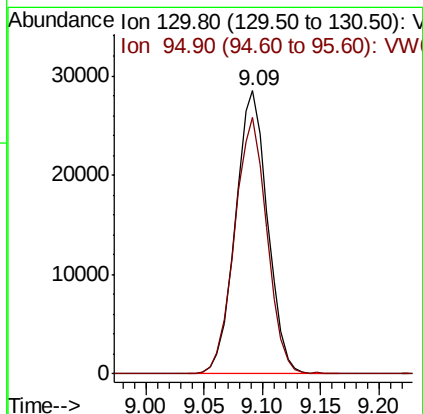
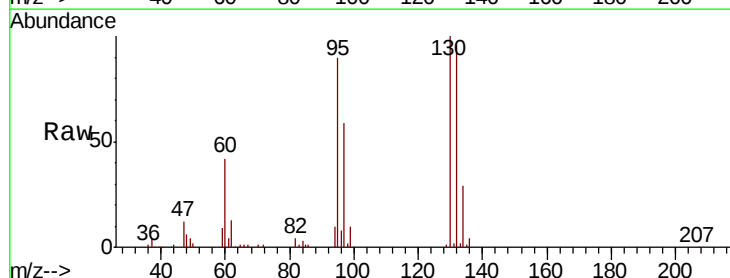
Acq: 23 Apr 2020 11:19

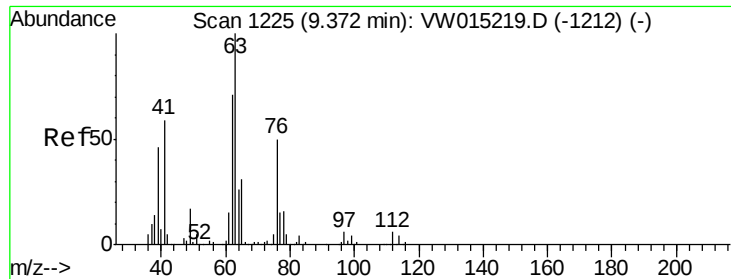
Tgt Ion:130 Resp: 54844

Ion Ratio Lower Upper

130 100

95 90.5 0.0 196.4





#45

1,2-Dichloropropane

Concen: 20.808 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

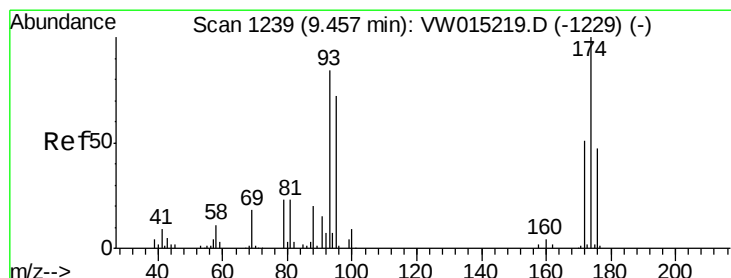
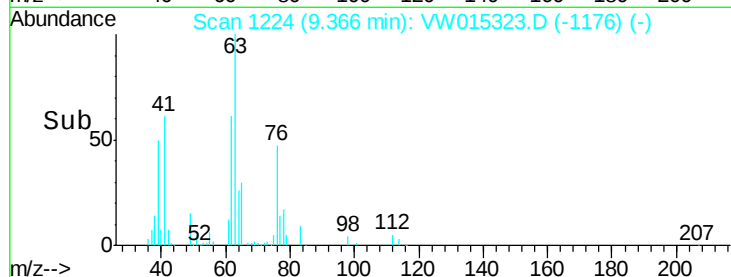
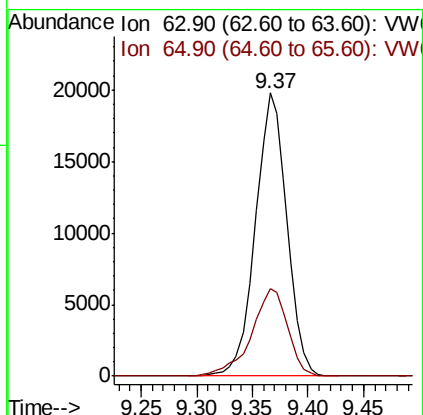
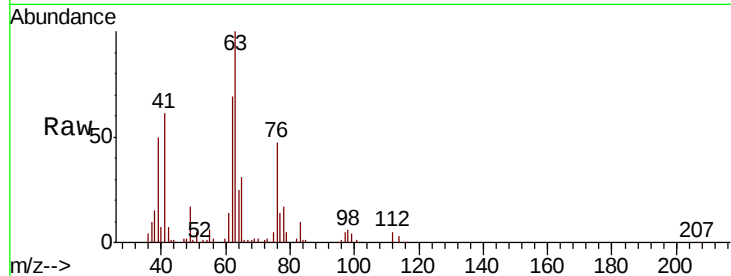
ClientSampleId :

Tot Ion: 63 Resp: 38934

Ion Ratio Lower Upper

63 100

65 31.0 25.5 38.3



#46

Dibromomethane

Concen: 20.337 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

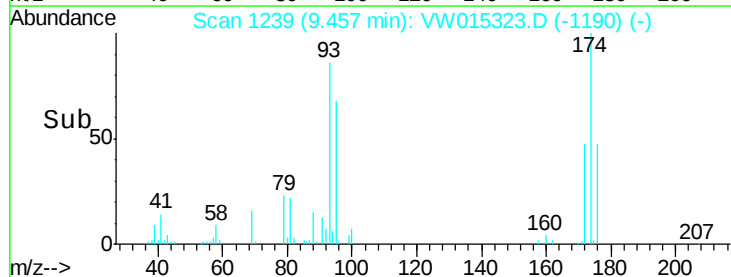
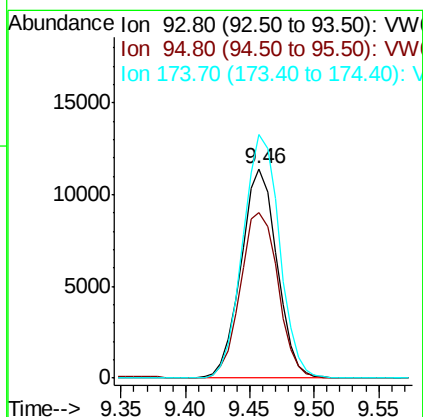
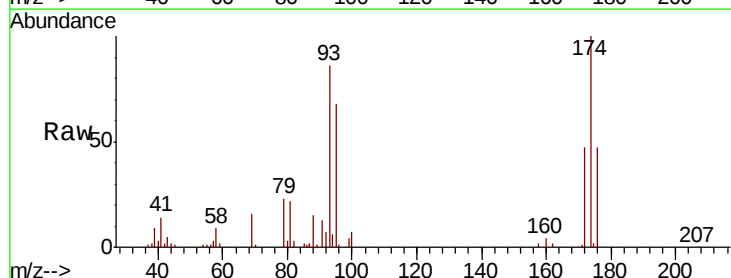
Tgt Ion: 93 Resp: 22012

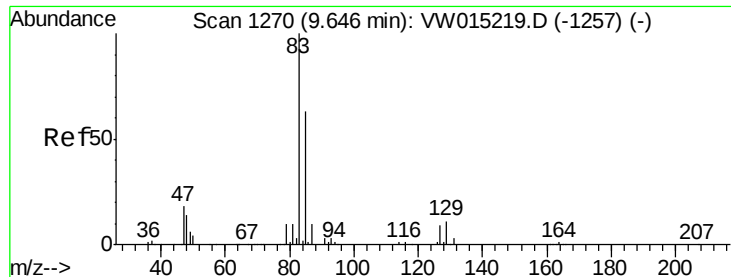
Ion Ratio Lower Upper

93 100

95 82.8 67.5 101.3

174 118.5 74.1 111.1#





#47

Bromodichloromethane

Concen: 20.842 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampled :

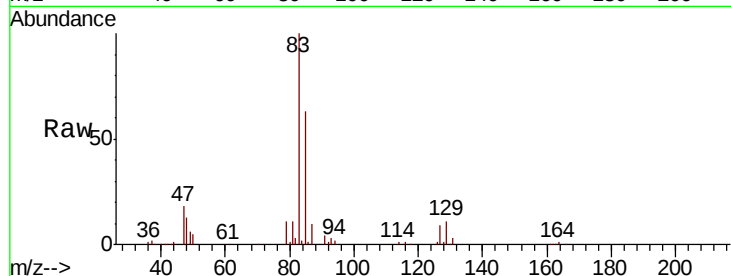
Tot Ion: 83 Resp: 60307

Ion Ratio Lower Upper

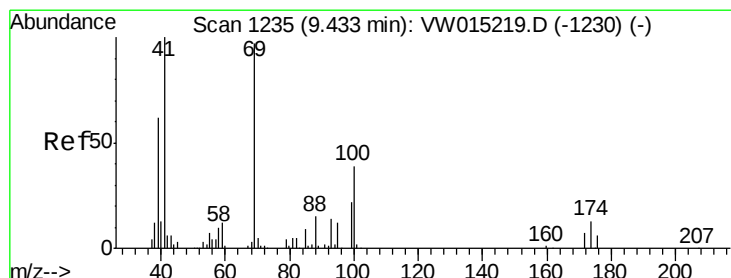
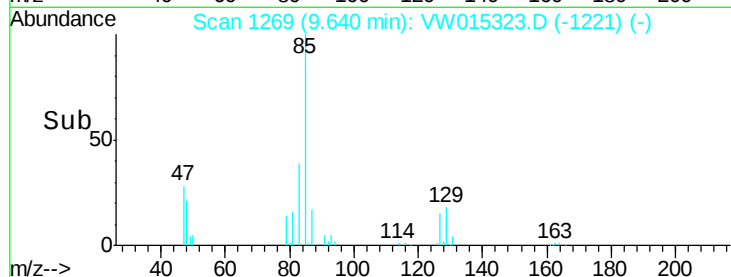
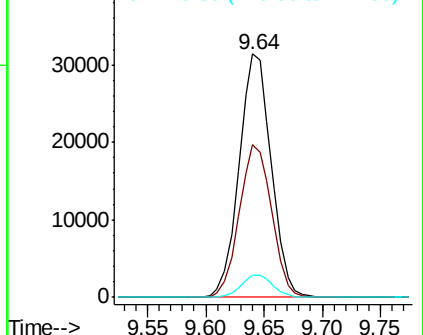
83 100

85 62.7 50.6 76.0

127 9.1 6.7 10.1



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: 17.818 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

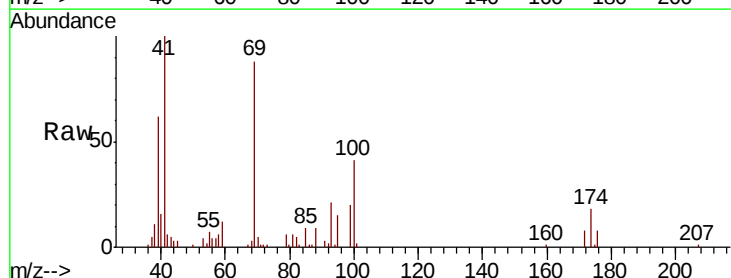
Tgt Ion: 41 Resp: 17270

Ion Ratio Lower Upper

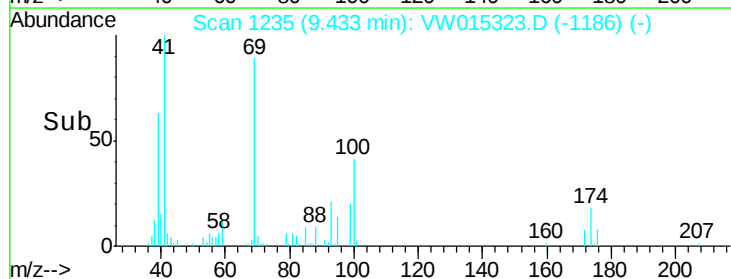
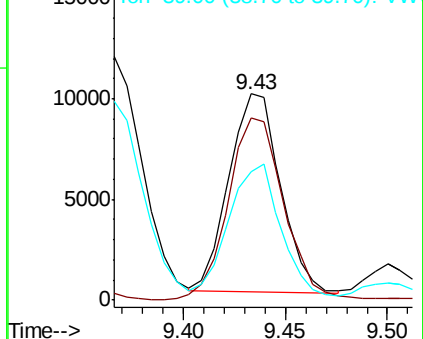
41 100

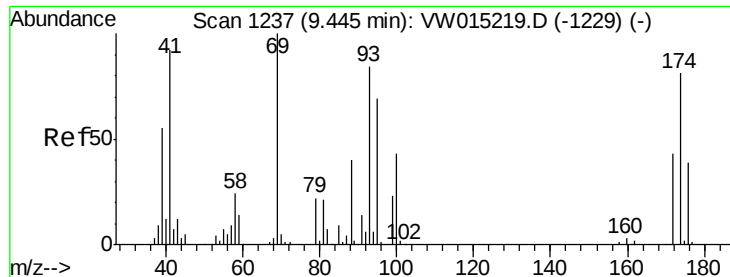
69 100.3 70.6 105.8

39 66.2 42.6 64.0#



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: 334.454 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

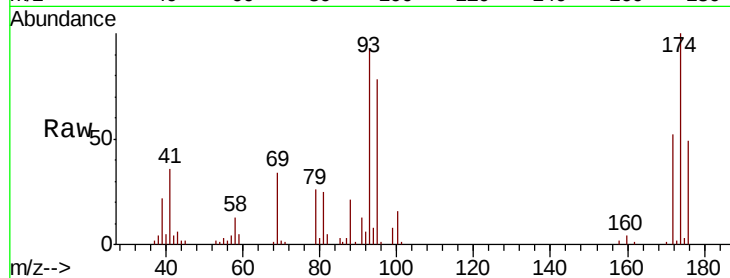
Tot Ion: 88 Resp: 4826

Ion Ratio Lower Upper

88 100

43 35.1 23.5 35.3

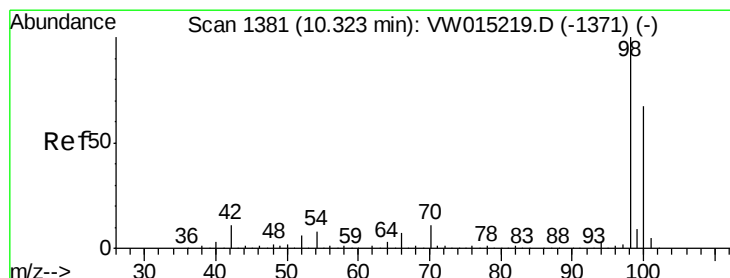
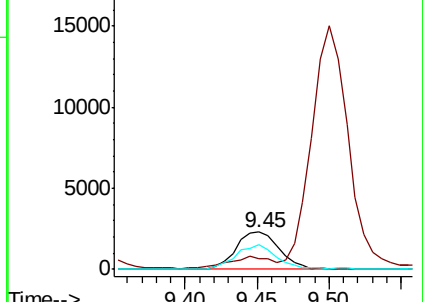
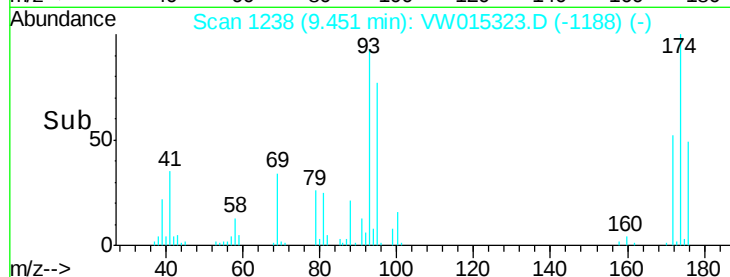
58 62.3 55.4 83.2



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: 50.030 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015323.D

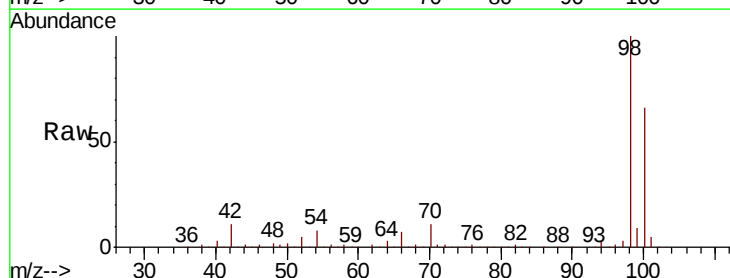
Acq: 23 Apr 2020 11:19

Tgt Ion: 98 Resp: 389060

Ion Ratio Lower Upper

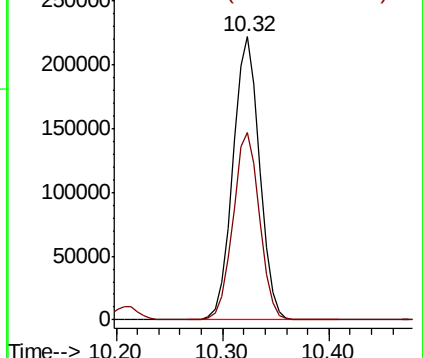
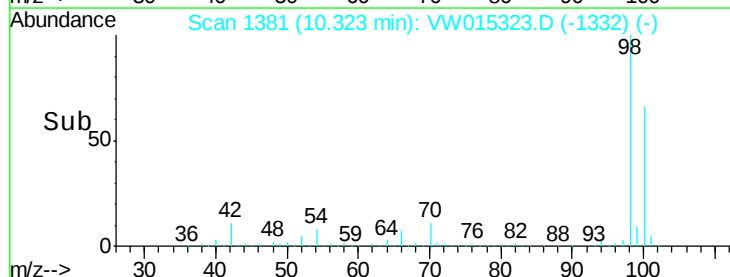
98 100

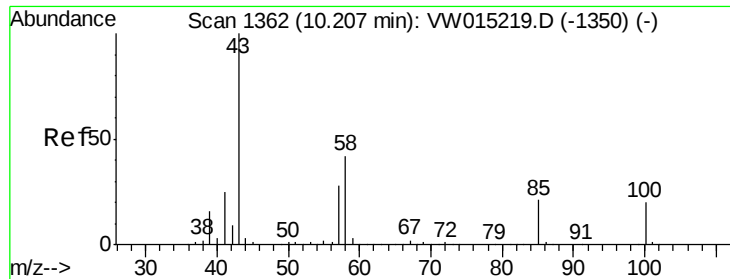
100 65.6 52.9 79.3



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: 90.235 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

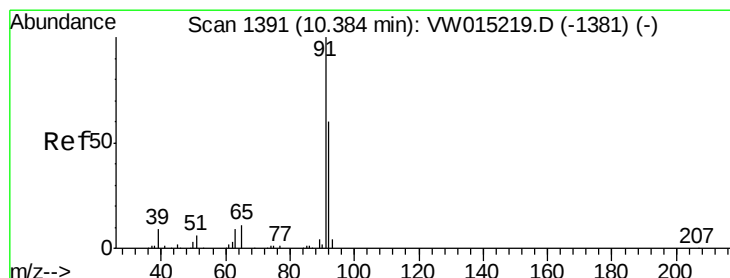
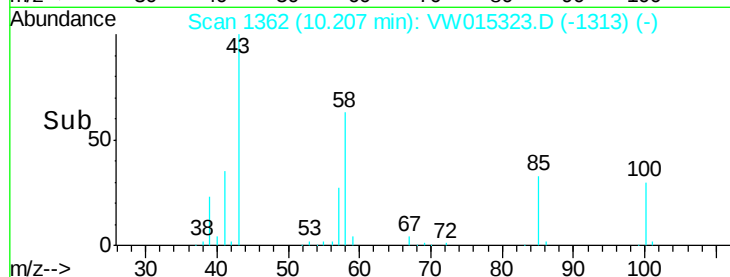
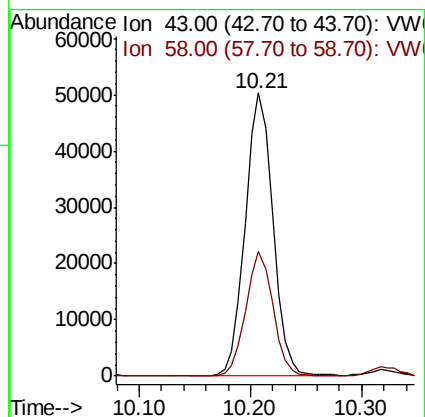
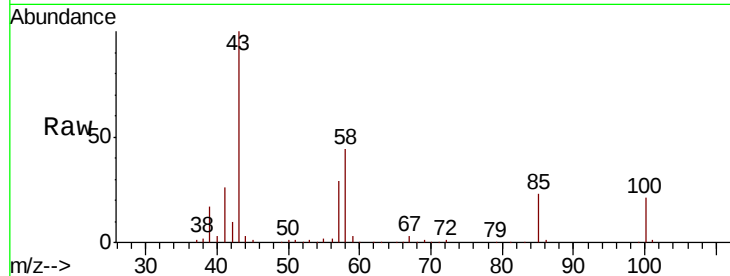
ClientSampleId :

Tot Ion: 43 Resp: 86848

Ion Ratio Lower Upper

43 100

58 43.4 32.3 48.5



#52

Toluene

Concen: 20.830 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015323.D

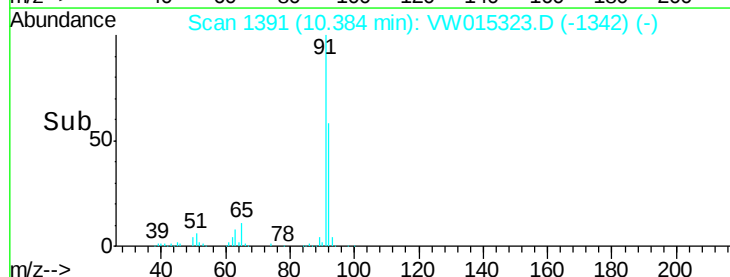
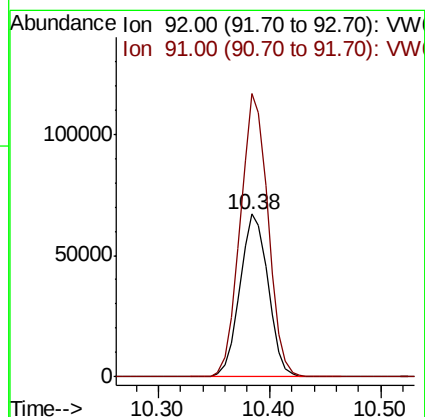
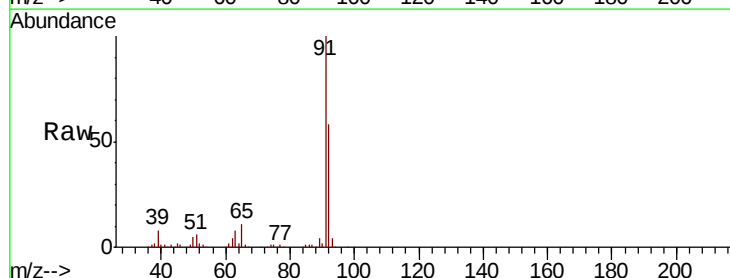
Acq: 23 Apr 2020 11:19

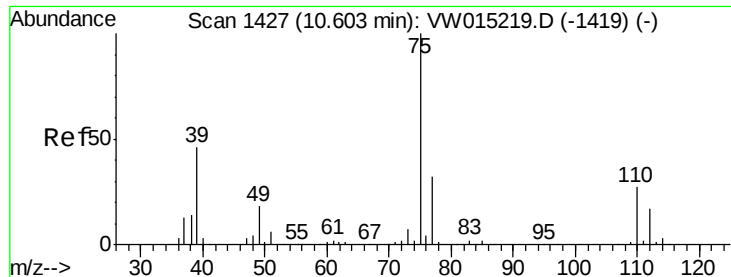
Tgt Ion: 92 Resp: 117298

Ion Ratio Lower Upper

92 100

91 172.1 137.1 205.7

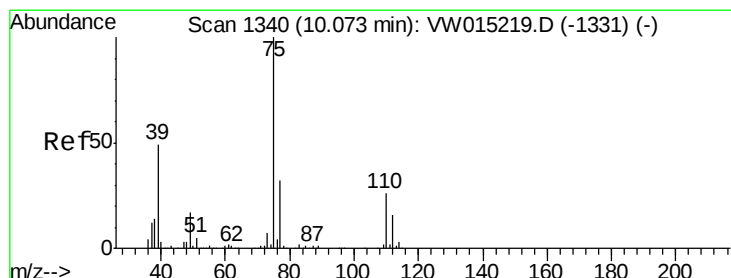
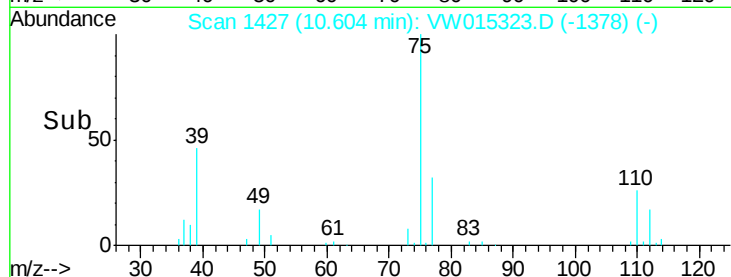
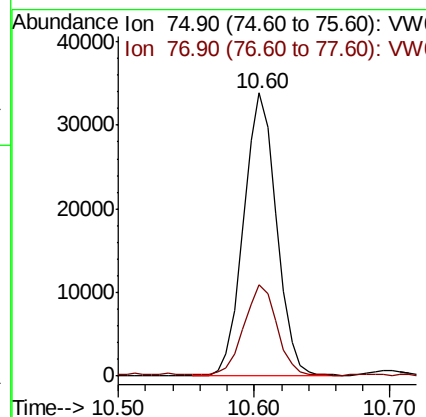
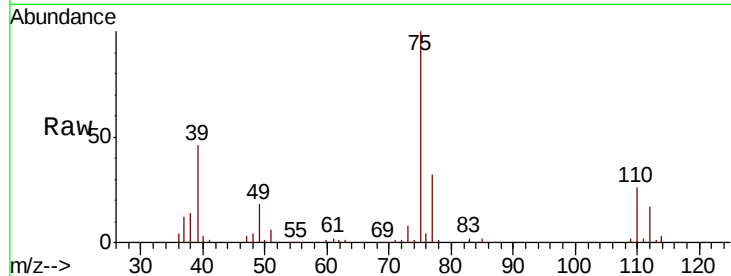




#53
 t-1,3-Dichloropropene
 Concen: 20.077 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

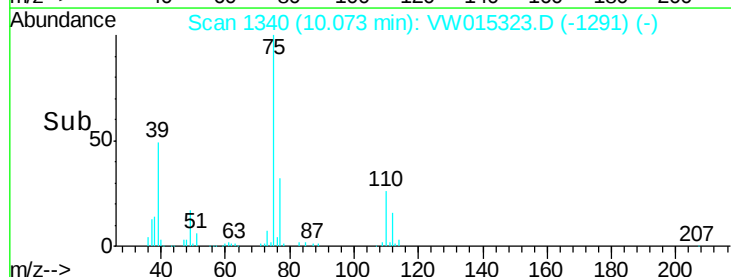
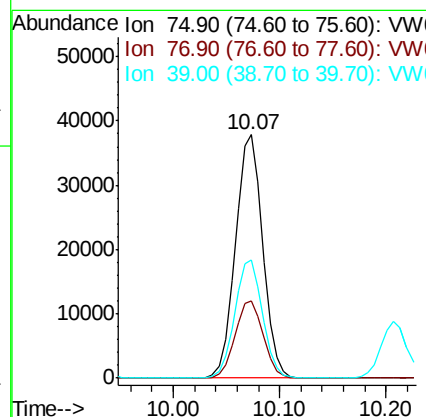
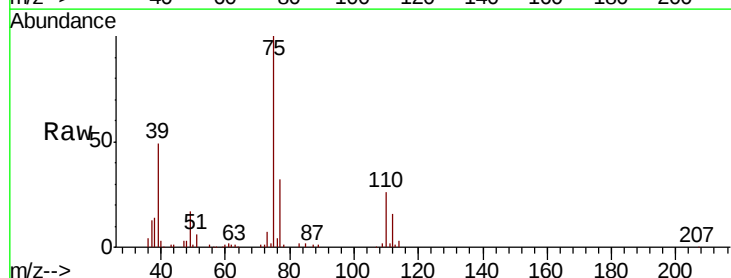
Instrument :
 MSVOA_W
 ClientSampleId :

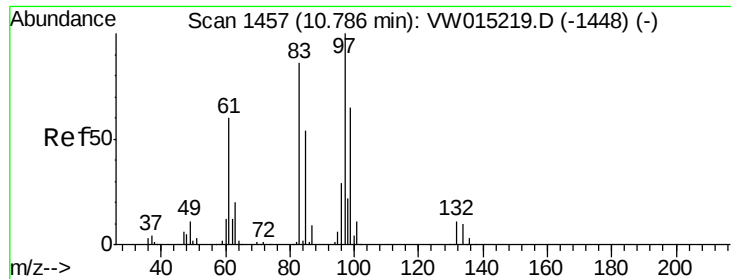
Tot Ion: 75 Resp: 57280
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.543 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion: 75 Resp: 68126
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.6 39.8
 39 48.6 37.8 56.6

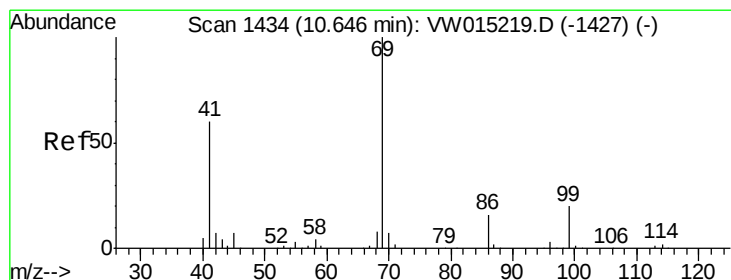
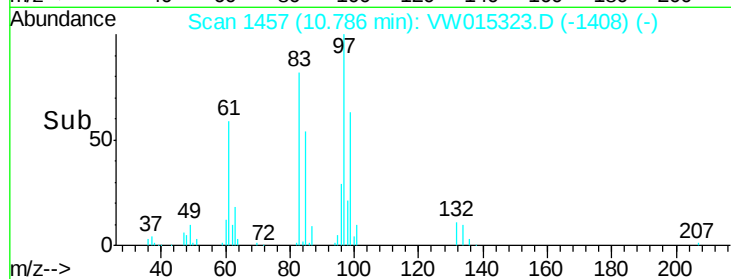
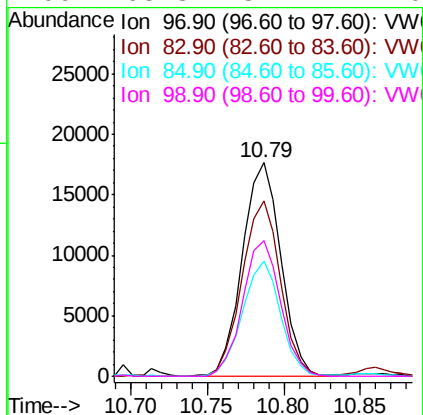
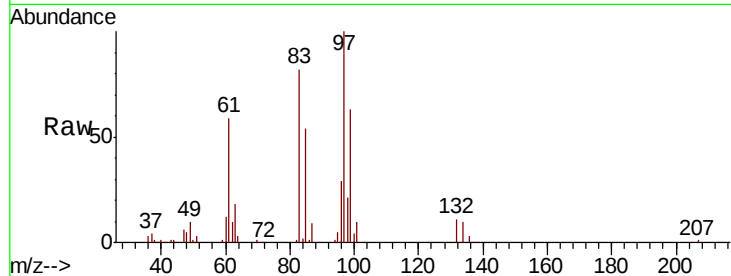




#55
 1,1,2-Trichloroethane
 Concen: 20.435 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

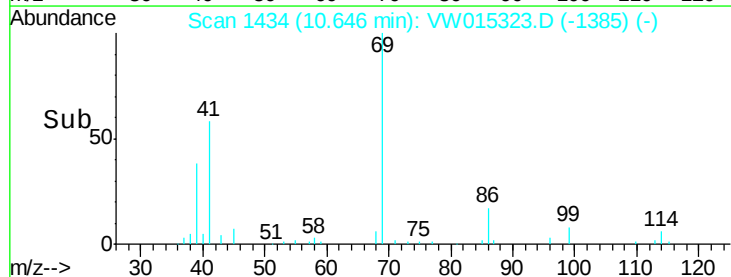
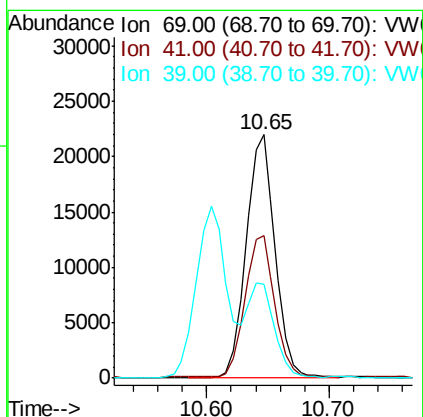
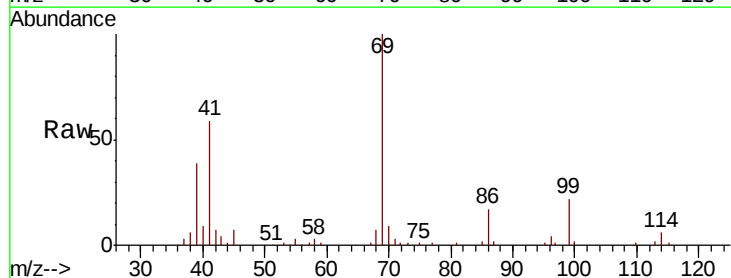
Instrument :
 MSVOA_W
 ClientSampled :

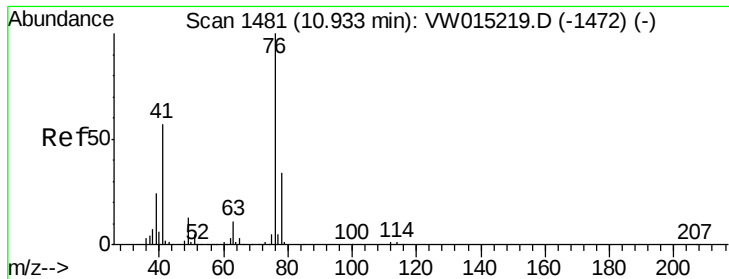
Tot Ion:	97	Resp:	30972
Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.3	100.9
85	53.7	43.8	65.8
99	63.3	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 18.476 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion:	69	Resp:	36074
Ion	Ratio	Lower	Upper
69	100		
41	59.5	51.3	76.9
39	35.2	24.6	37.0

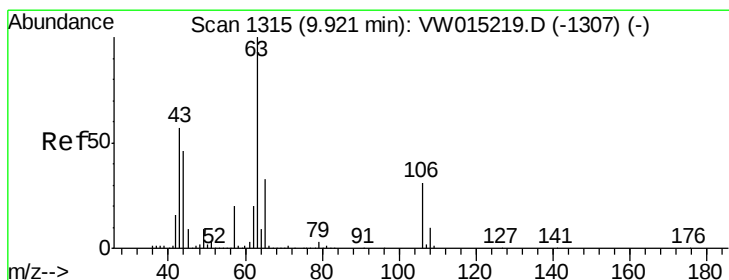
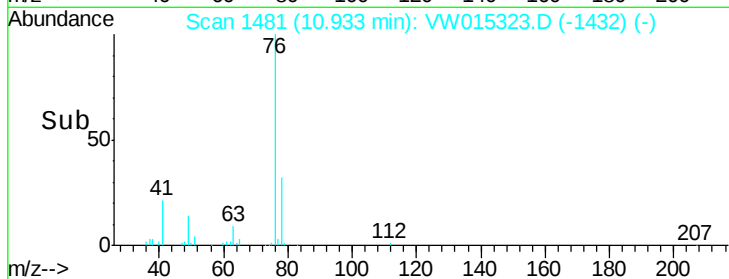
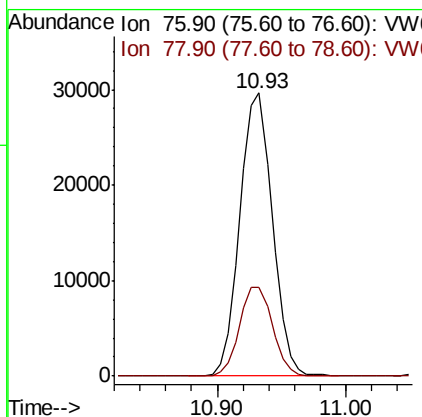
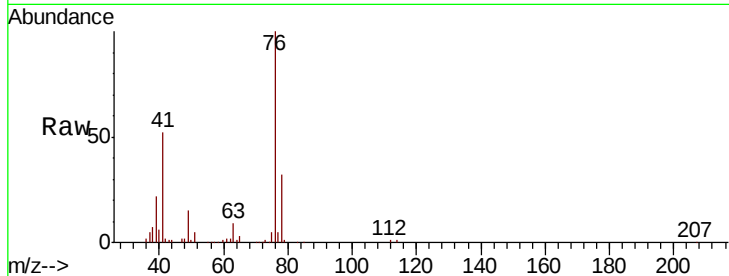




#57
 1,3-Dichloropropane
 Concen: 20.626 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

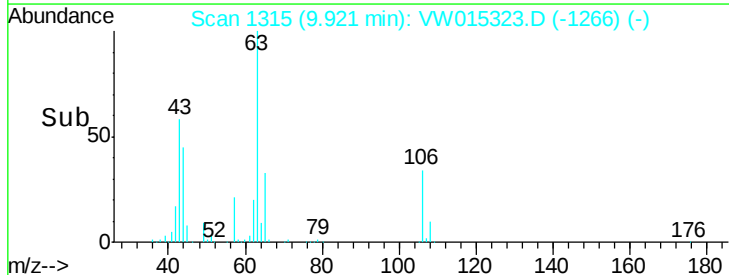
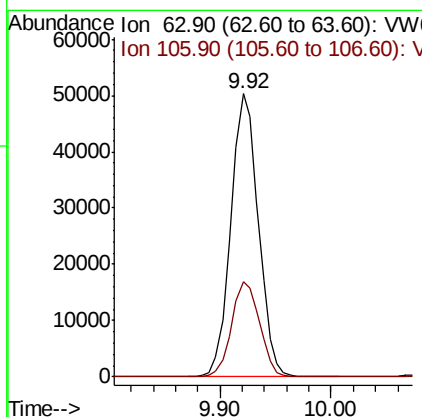
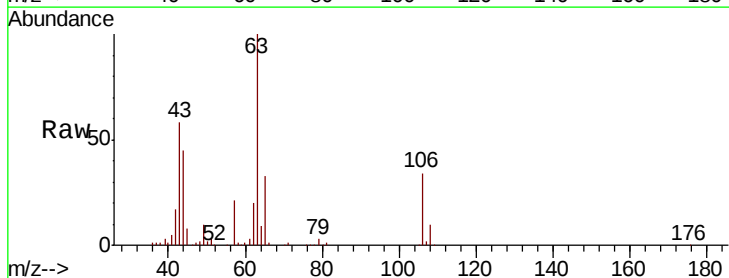
Instrument :
 MSVOA_W
 ClientSampleId :

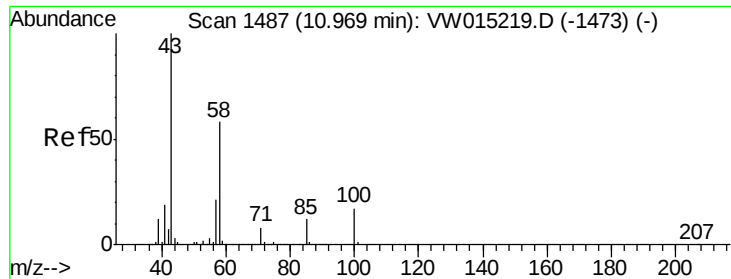
Tot Ion: 76 Resp: 51783
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.932 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion: 63 Resp: 85934
 Ion Ratio Lower Upper
 63 100
 106 34.1 22.6 33.8#

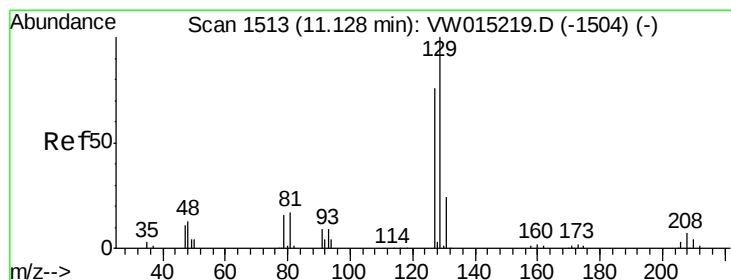
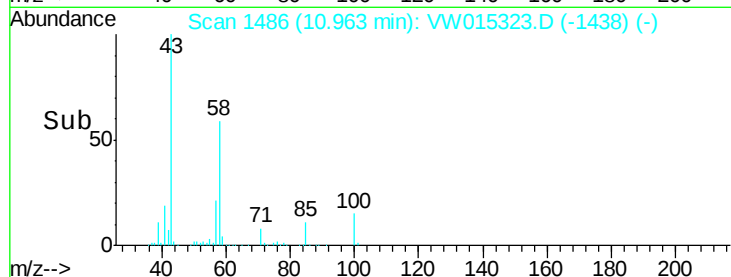
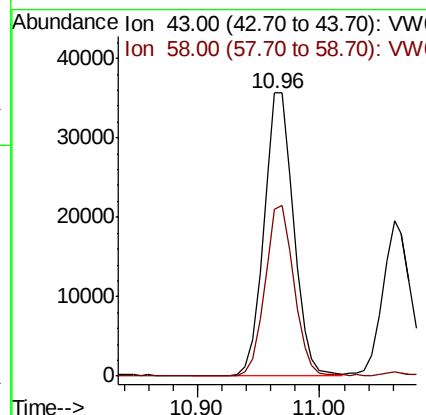
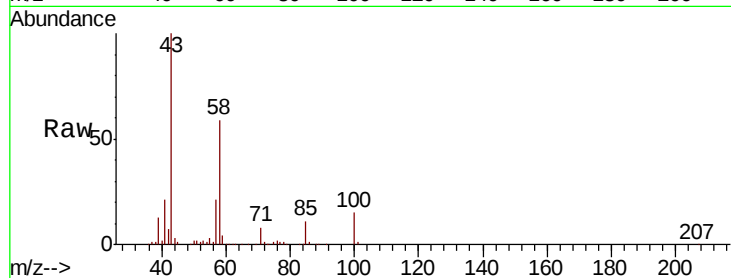




#59
2-Hexanone
Concen: 88.069 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

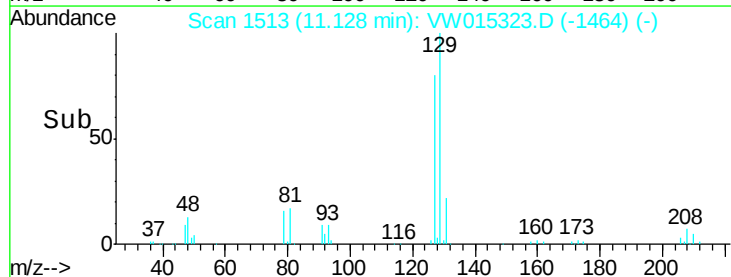
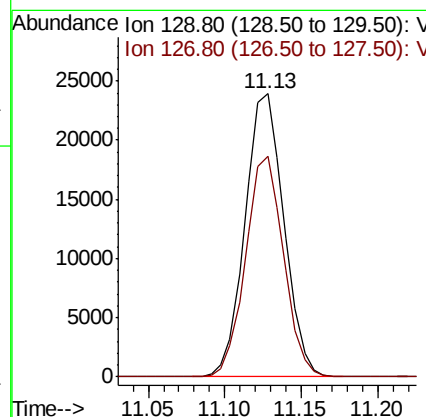
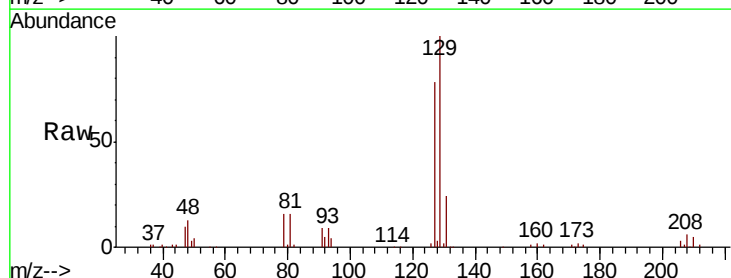
Instrument :
MSVOA_W
ClientSampleId :

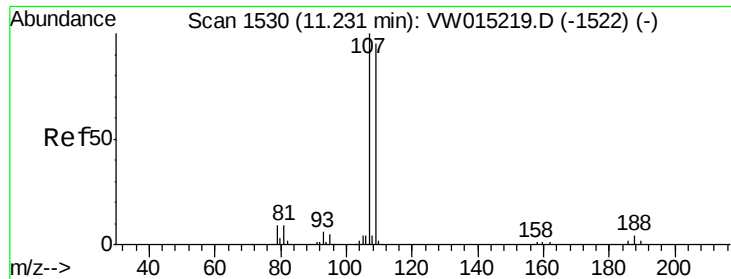
Tot Ion: 43 Resp: 60507
Ion Ratio Lower Upper
43 100
58 59.0 28.1 84.3



#60
Dibromochloromethane
Concen: 21.124 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 129 Resp: 42272
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.8

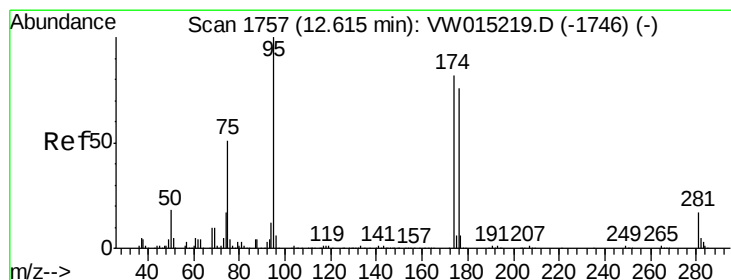
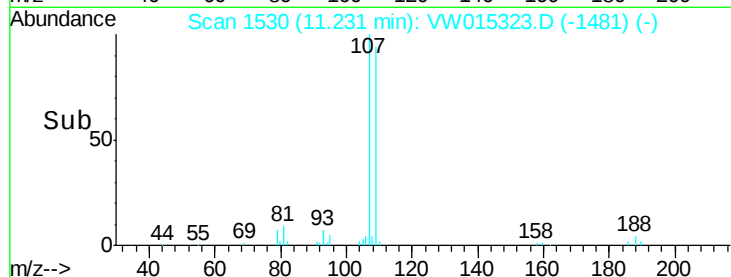
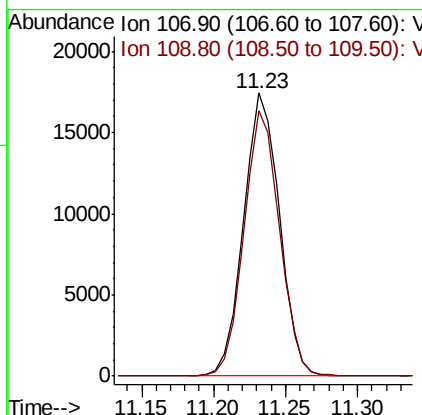
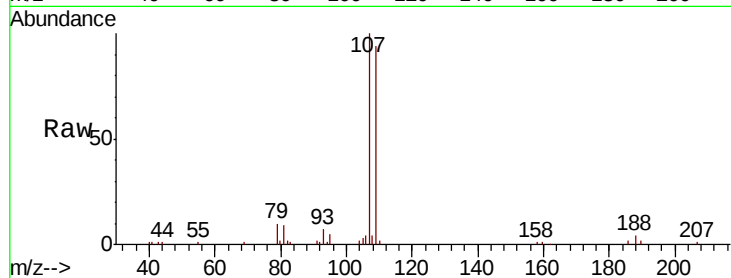




#61
 1,2-Dibromoethane
 Concen: 20.285 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

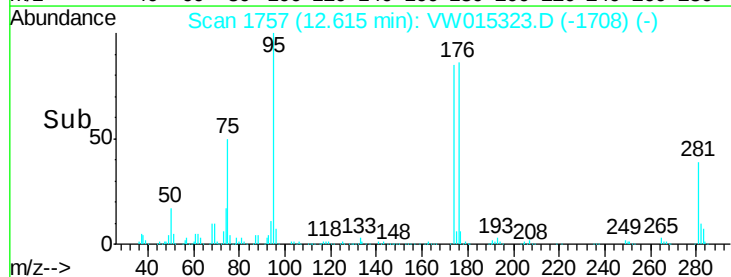
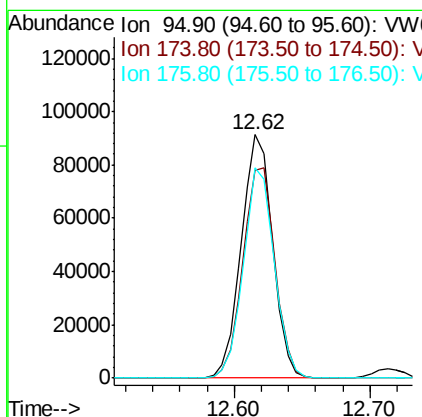
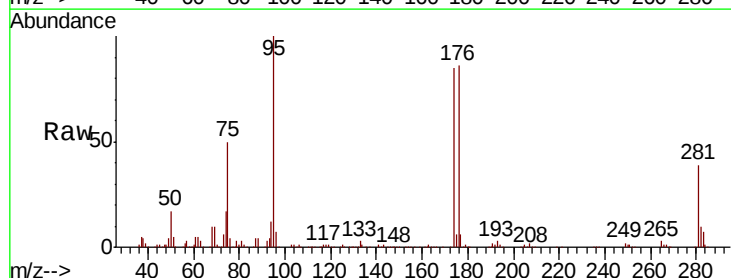
Instrument :
 MSVOA_W
 ClientSampleId :

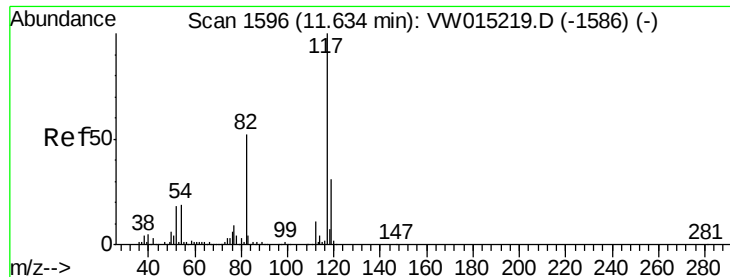
Tot Ion:107 Resp: 30000
 Ion Ratio Lower Upper
 107 100
 109 93.1 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 49.570 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion: 95 Resp: 147080
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 144.4
 176 85.6 0.0 140.6

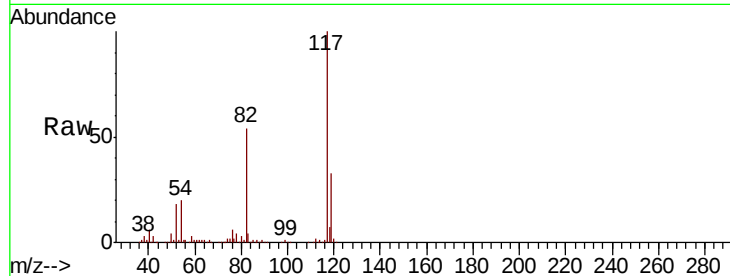




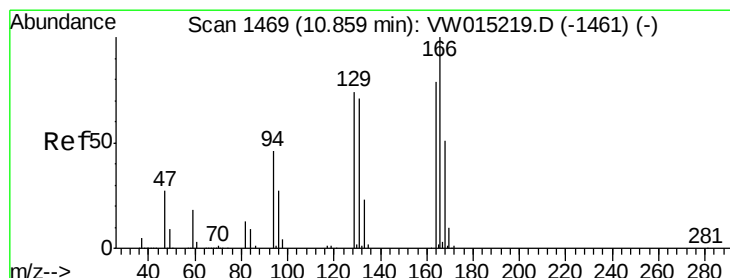
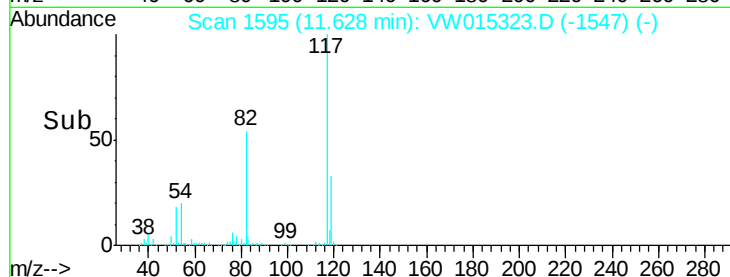
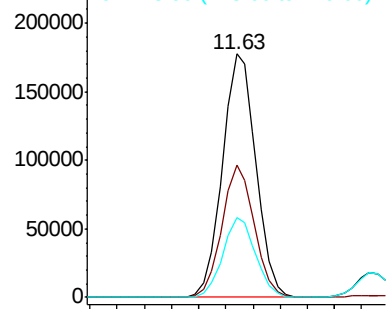
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 305724
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 32.8 24.9 37.3

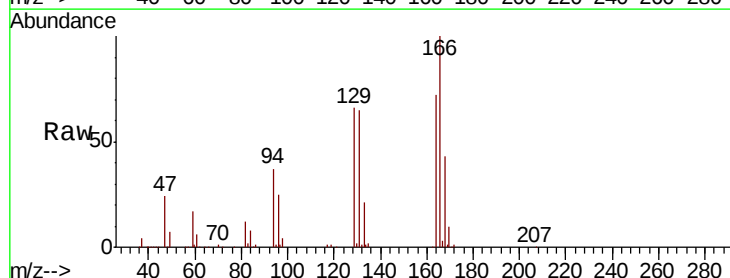


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

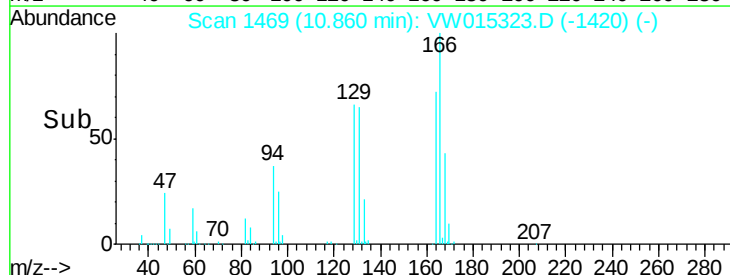
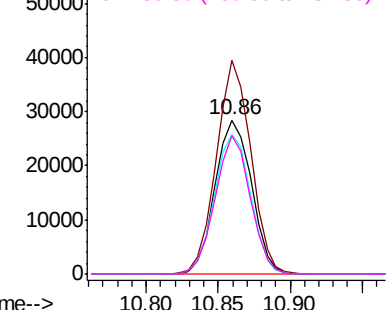


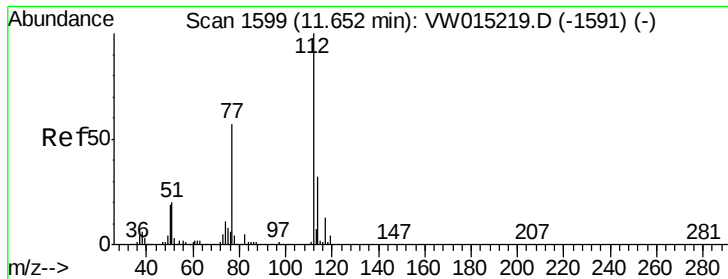
#64
Tetrachloroethene
Concen: 22.728 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion:164 Resp: 49592
Ion Ratio Lower Upper
164 100
166 138.9 102.6 154.0
129 91.1 80.2 120.2
131 90.0 77.4 116.2



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

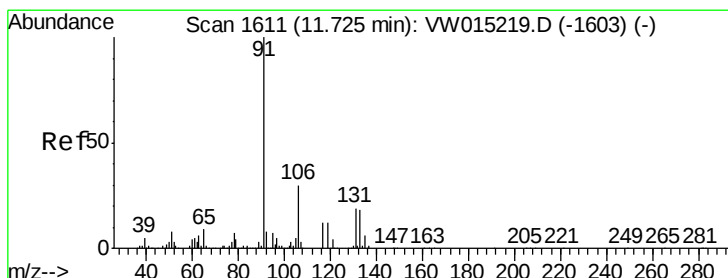
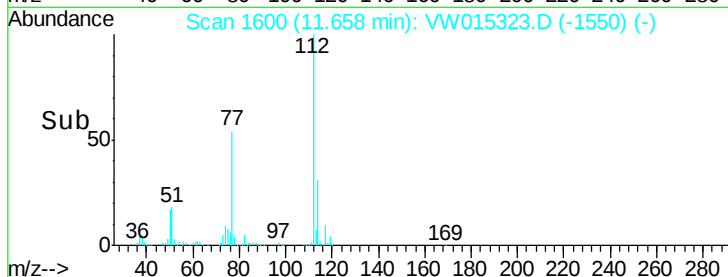
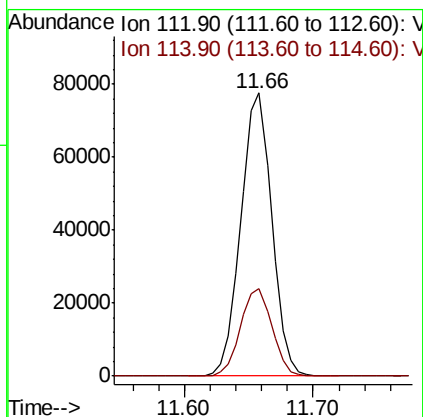
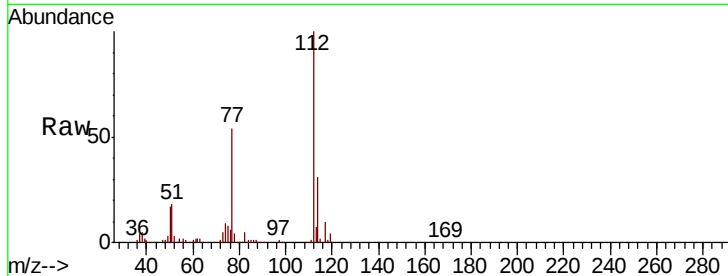




#65
Chlorobenzene
Concen: 21.479 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

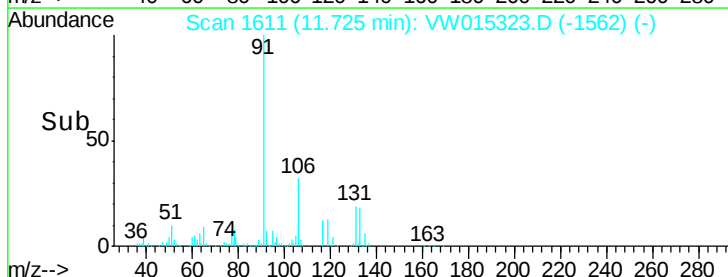
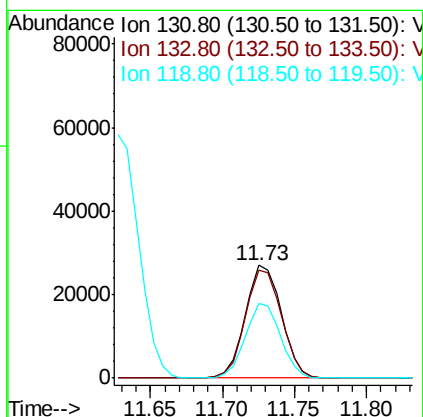
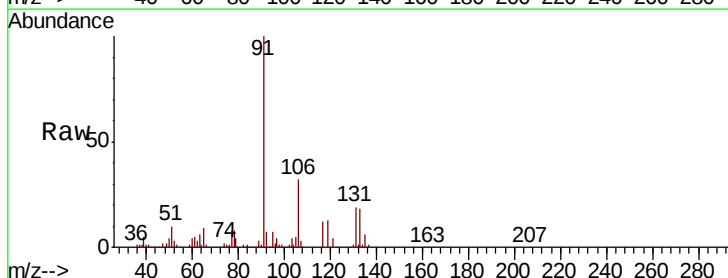
Instrument :
MSVOA_W
ClientSampleId :

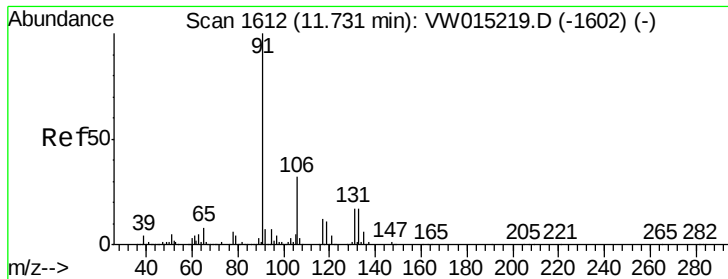
Tot Ion:112 Resp: 128856
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.713 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion:131 Resp: 46817
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 64.6 34.0 101.8

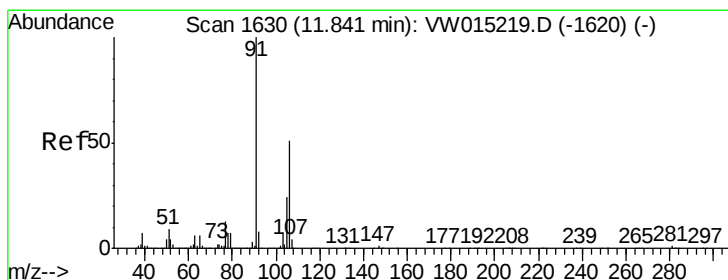
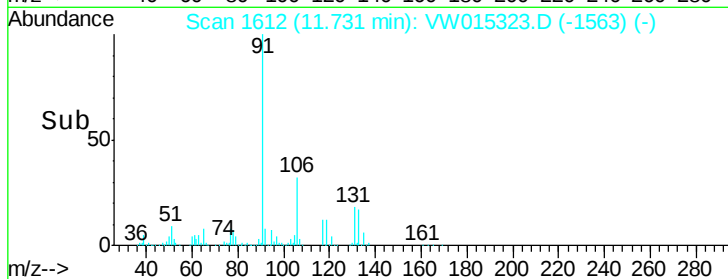
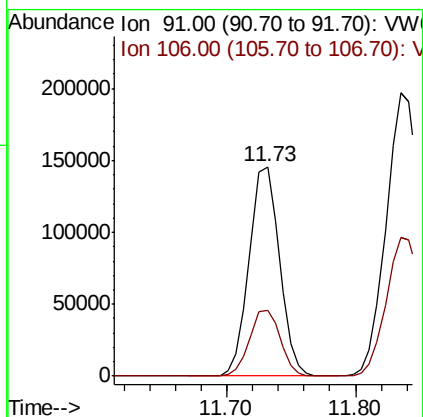
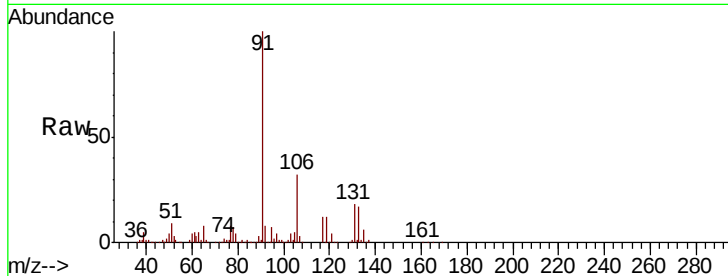




#67
Ethyl Benzene
Concen: 21.174 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

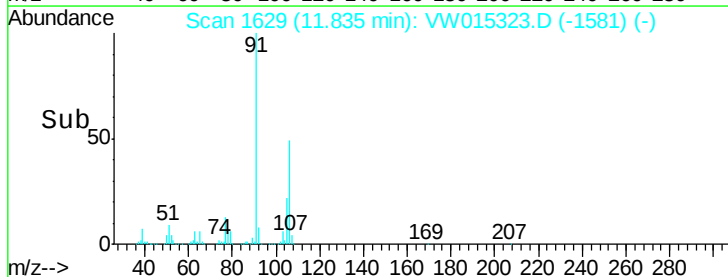
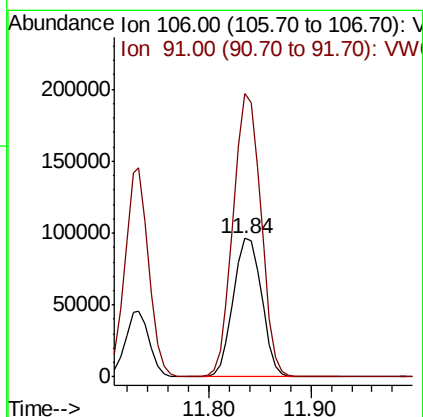
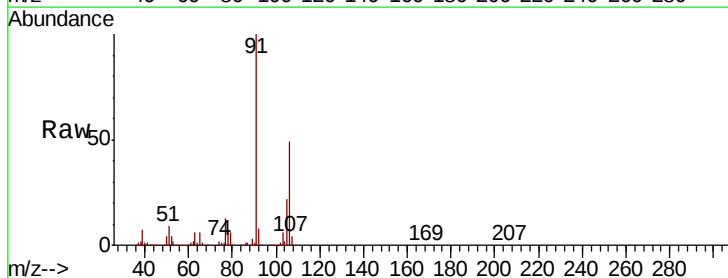
Instrument :
MSVOA_W
ClientSampled :

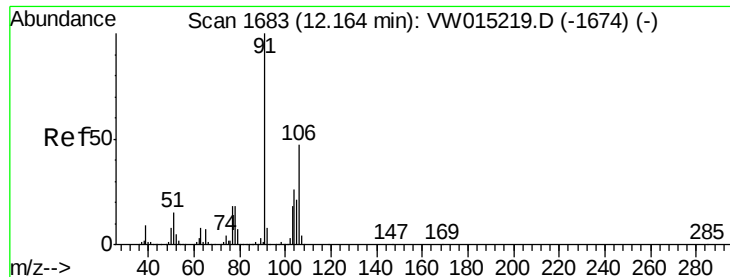
Tot Ion: 91 Resp: 236889
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5



#68
m/p-Xylenes
Concen: 42.518 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 106 Resp: 186453
Ion Ratio Lower Upper
106 100
91 199.7 160.0 240.0

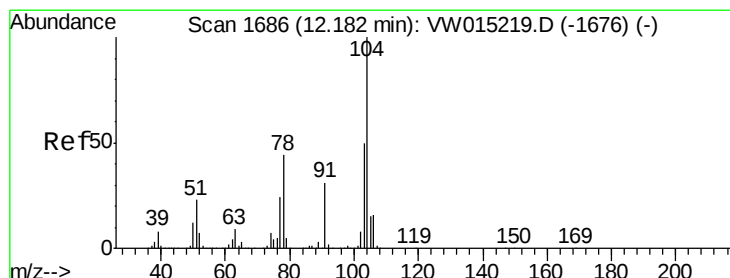
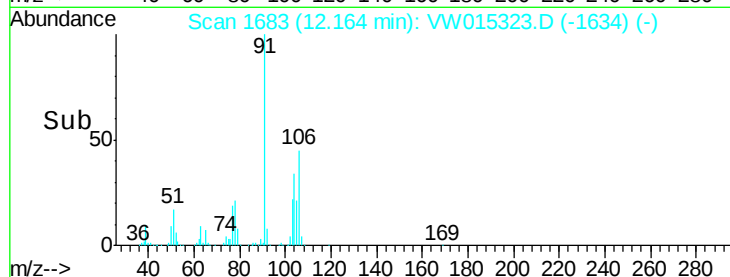
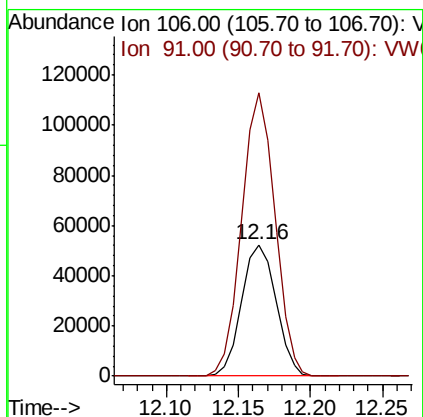
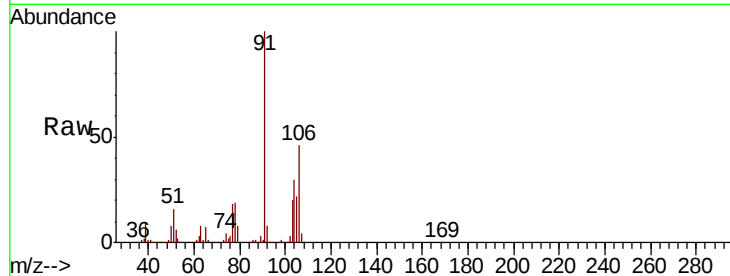




#69
o-Xylene
Concen: 21.245 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

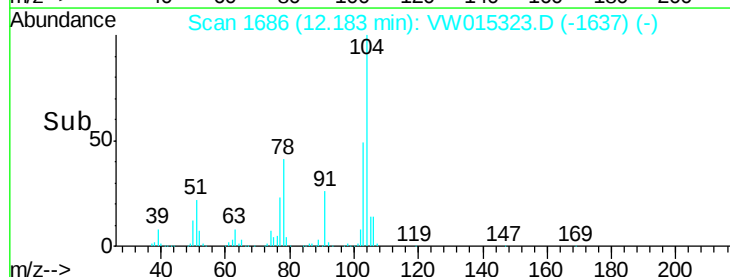
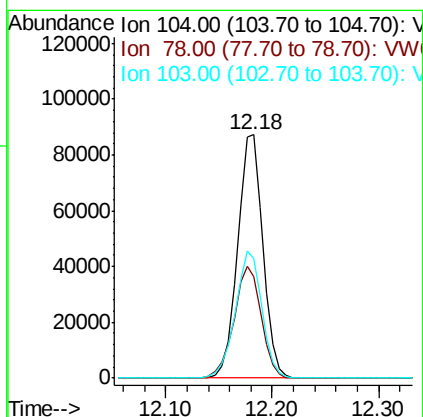
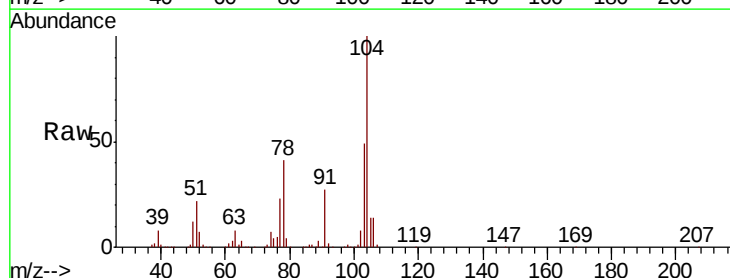
Instrument :
MSVOA_W
ClientSampleId :

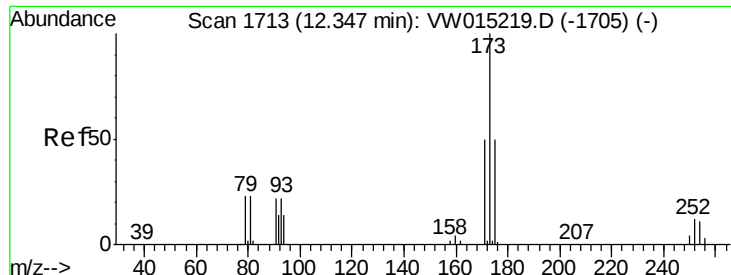
Tot Ion:106 Resp: 86961
Ion Ratio Lower Upper
106 100
91 208.6 105.7 317.1



#70
Styrene
Concen: 20.849 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion:104 Resp: 145466
Ion Ratio Lower Upper
104 100
78 49.4 39.8 59.6
103 54.8 43.8 65.6

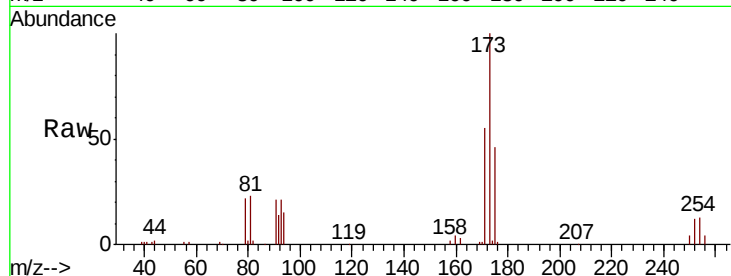




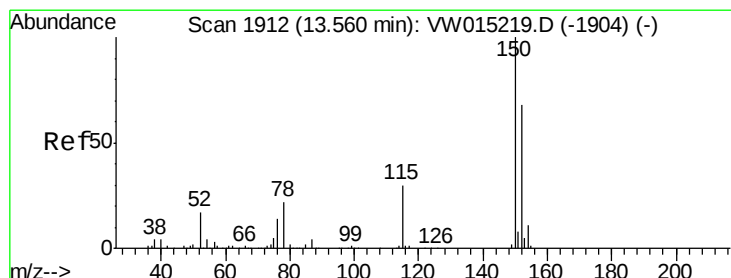
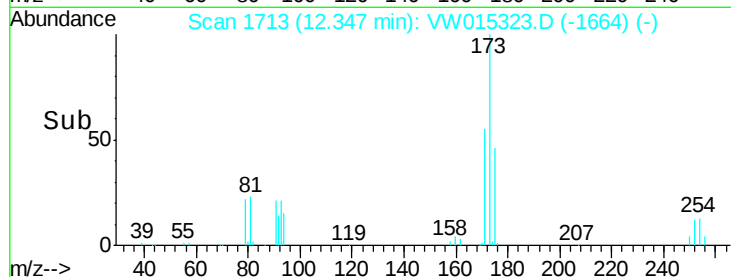
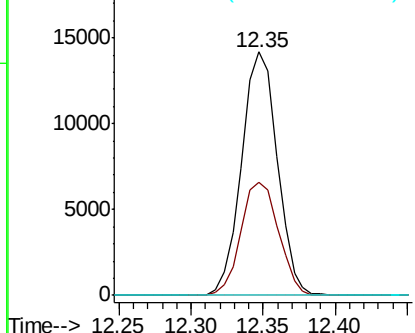
#71
Bromoform
Concen: 20.079 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 24394
Ion Ratio Lower Upper
173 100
175 48.9 25.1 75.4
254 0.0 0.1 0.1#

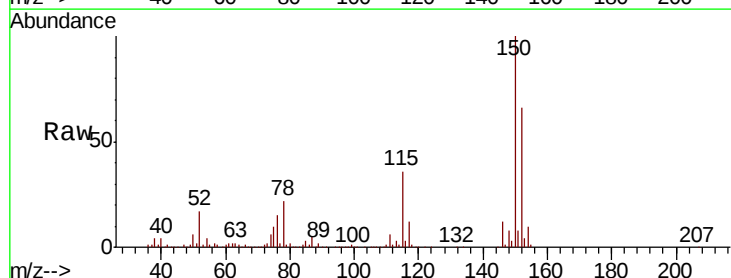


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

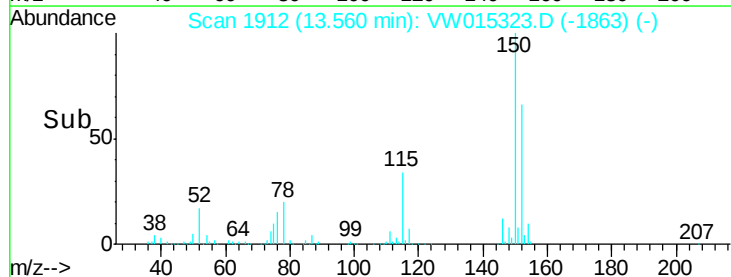
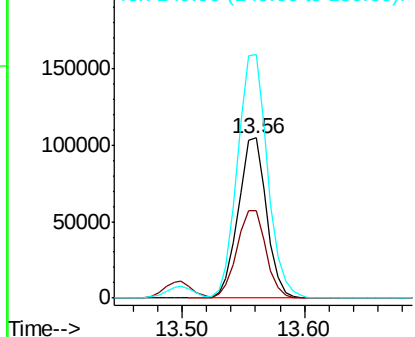


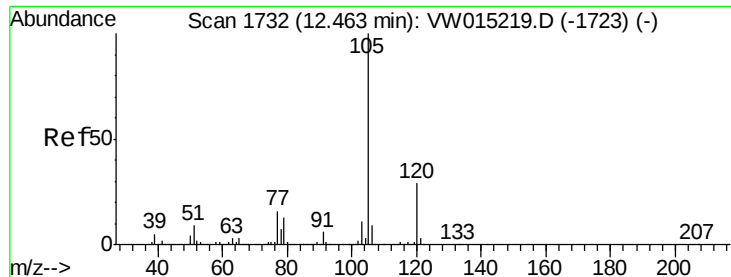
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion:152 Resp: 166643
Ion Ratio Lower Upper
152 100
115 56.1 31.3 93.9
150 161.9 0.0 343.4



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: 21.439 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

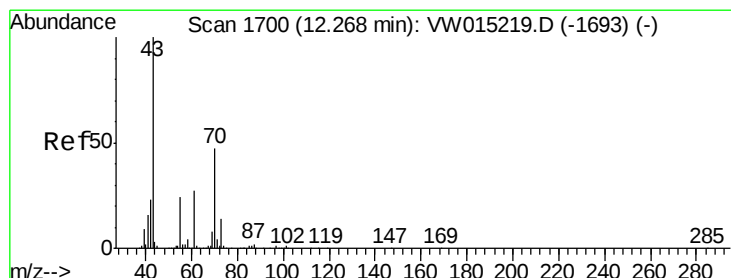
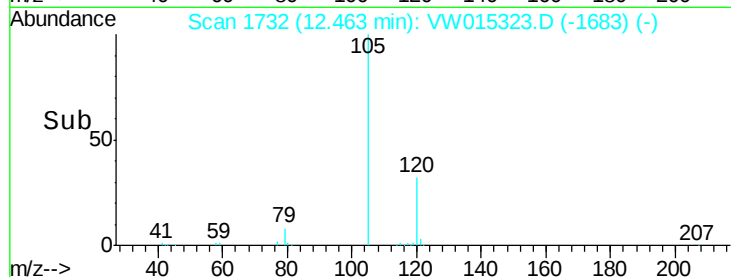
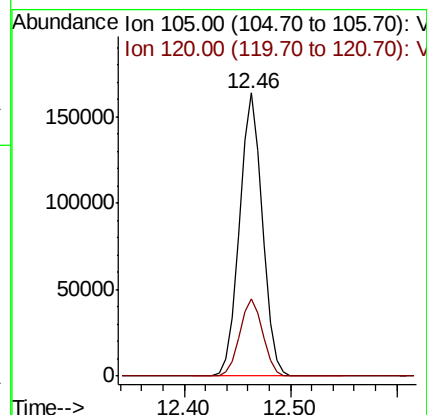
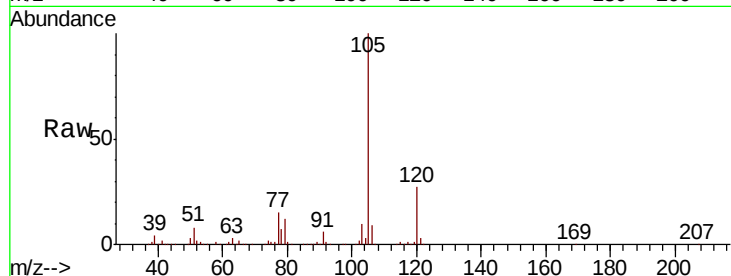
ClientSampleId :

Tot Ion:105 Resp: 247705

Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.1



#74

N-ethyl acetate

Concen: 18.613 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Tgt Ion: 43 Resp: 37414

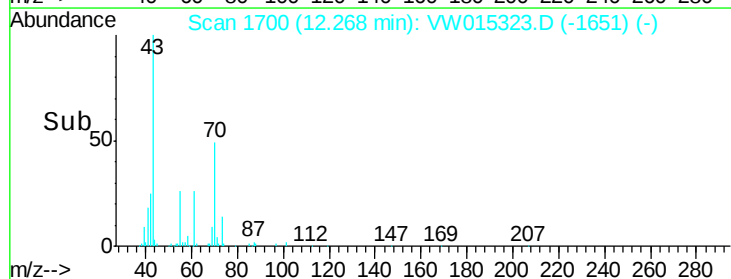
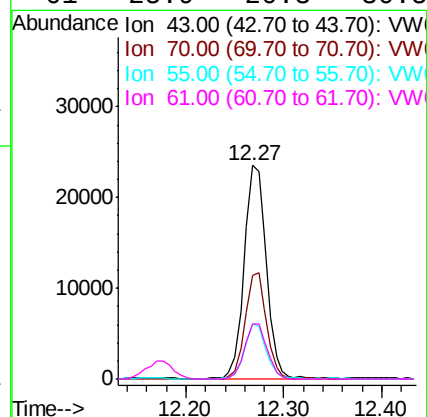
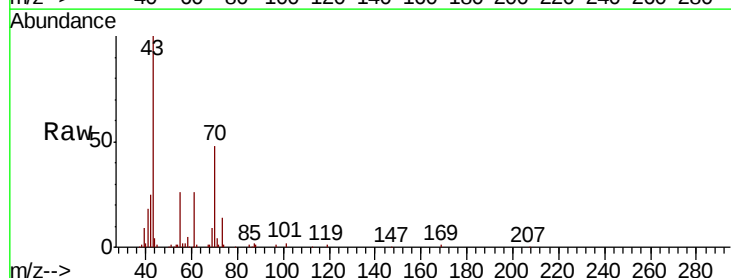
Ion Ratio Lower Upper

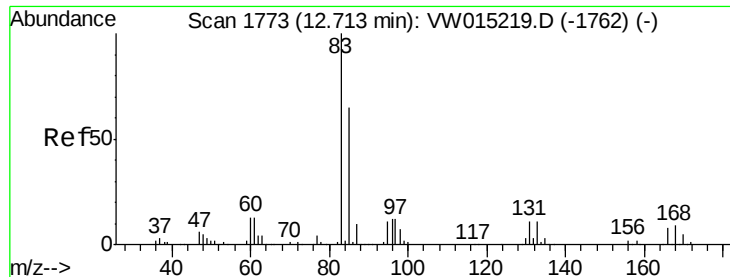
43 100

70 47.2 35.4 53.2

55 25.4 18.5 27.7

61 25.9 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.545 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

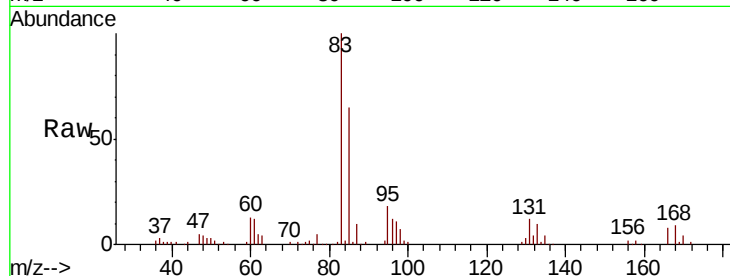
Tot Ion: 83 Resp: 32063

Ion Ratio Lower Upper

83 100

131 12.4 5.1 15.2

85 63.9 32.3 96.8



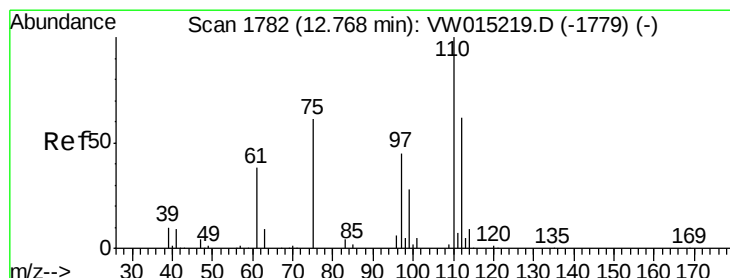
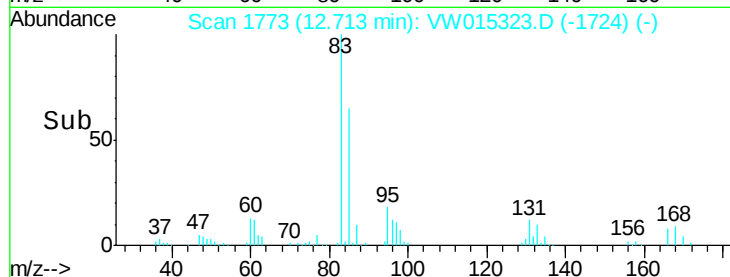
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW

12.71

Time-->



#76

1,2,3-Trichloropropane

Concen: 33.478 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015323.D

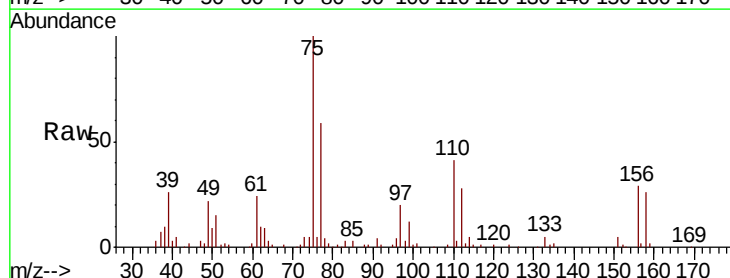
Acq: 23 Apr 2020 11:19

Tgt Ion: 75 Resp: 43159

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

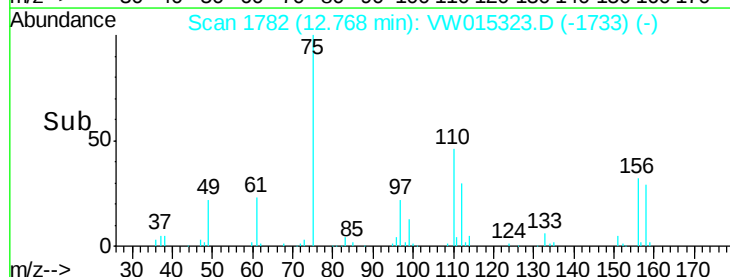


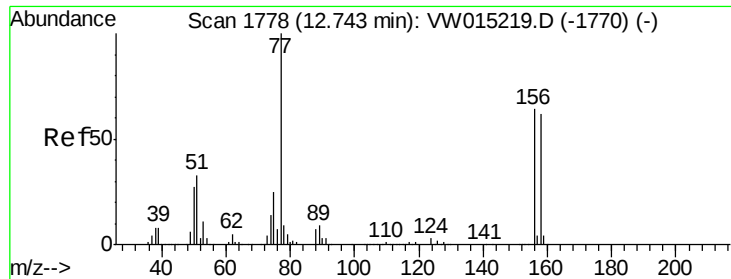
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

Time-->





#77

Bromobenzene

Concen: 21.414 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

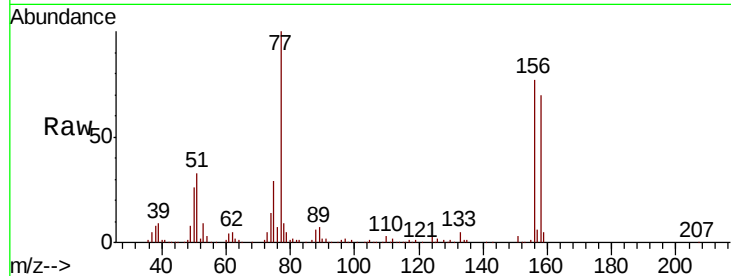
Tot Ion:156 Resp: 56845

Ion Ratio Lower Upper

156 100

77 161.4 100.5 301.5

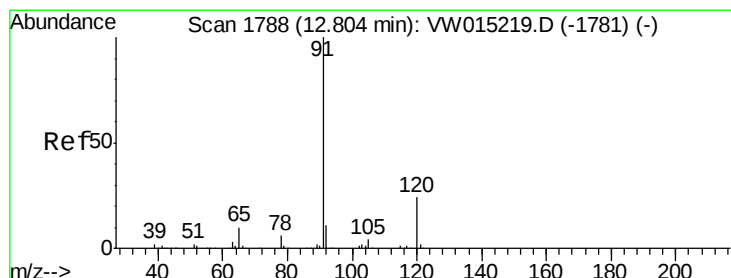
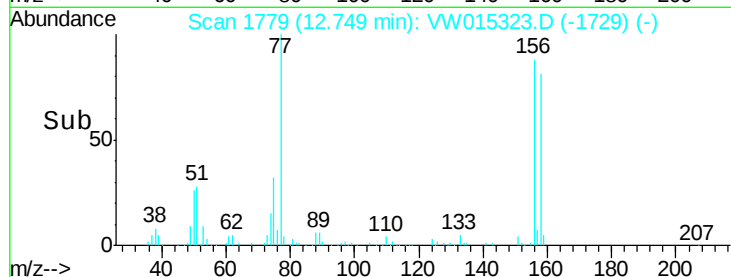
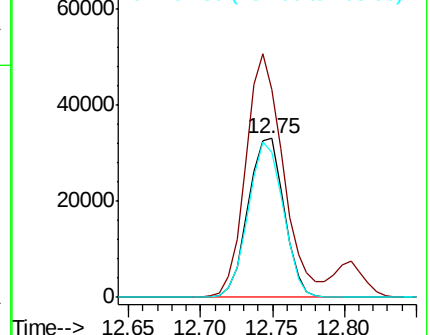
158 95.7 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.227 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015323.D

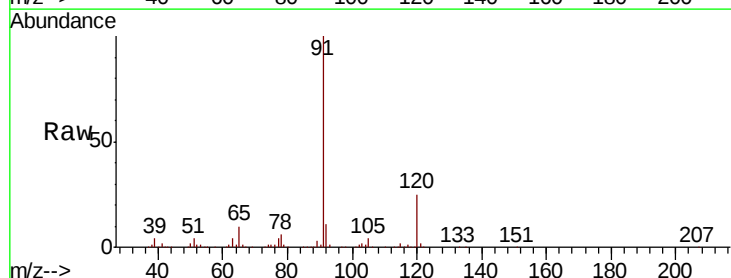
Acq: 23 Apr 2020 11:19

Tgt Ion: 91 Resp: 285557

Ion Ratio Lower Upper

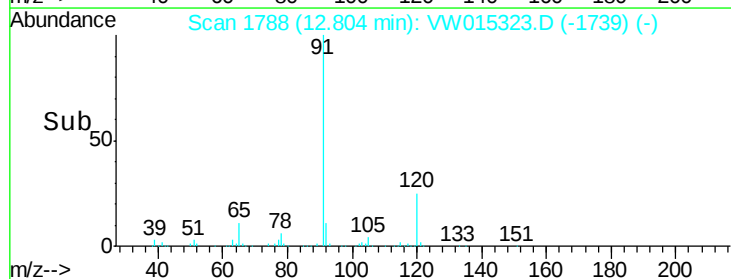
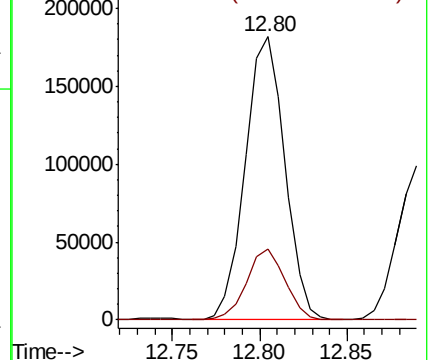
91 100

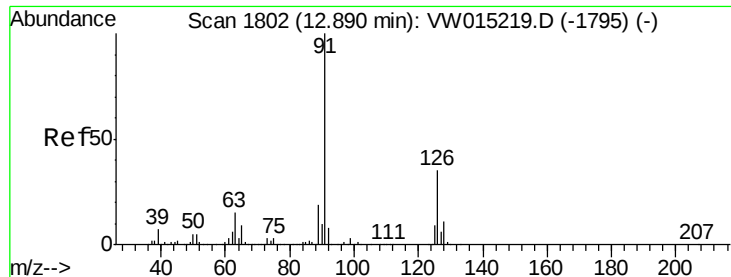
120 24.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

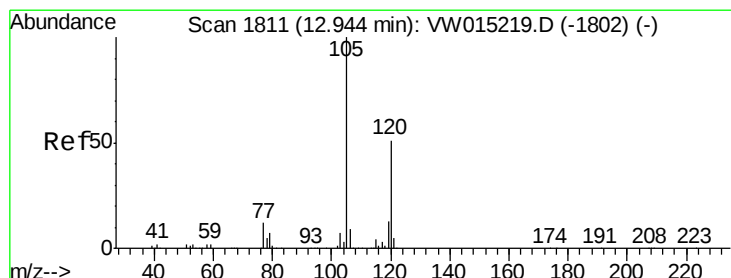
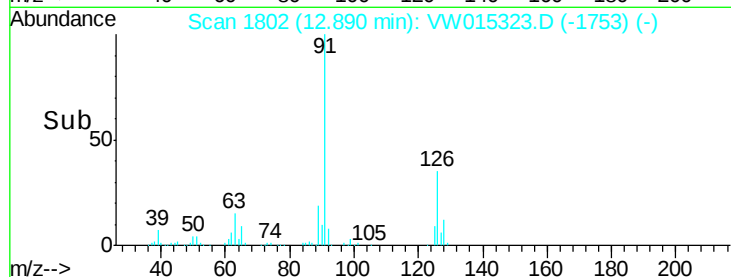
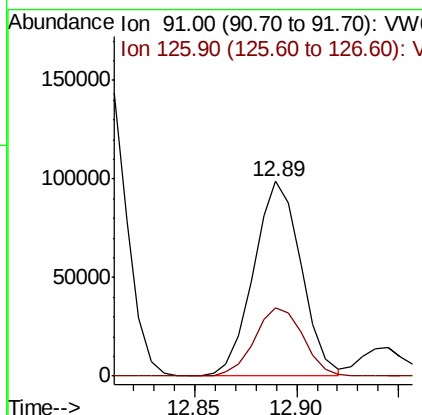
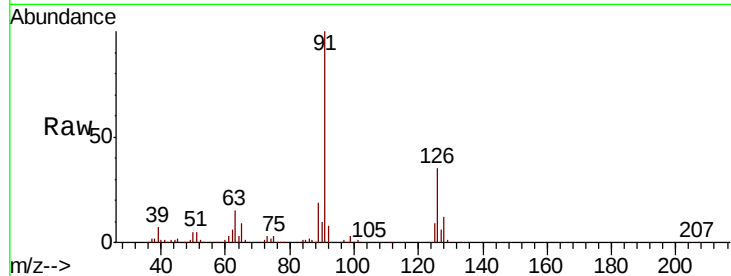




#79
 2-Chlorotoluene
 Concen: 21.144 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

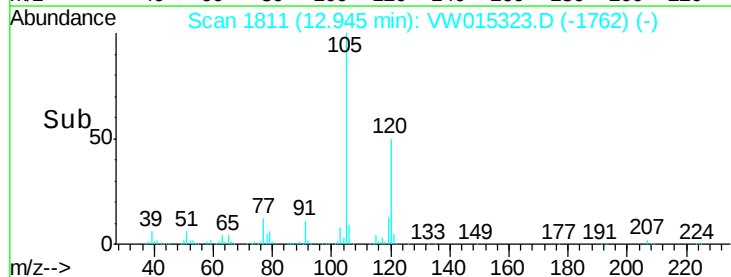
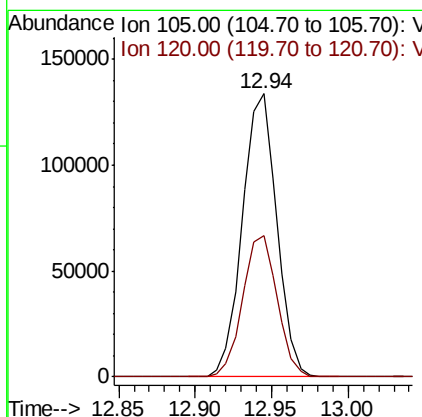
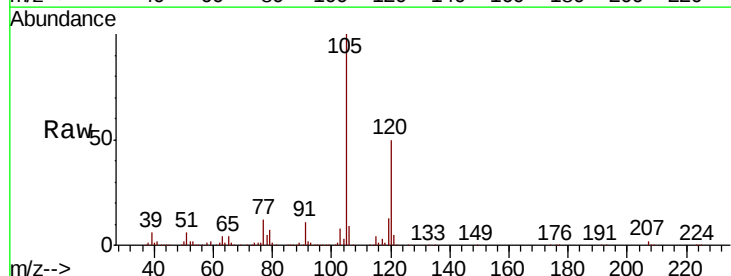
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 91 Resp: 160301
 Ion Ratio Lower Upper
 91 100
 126 35.9 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.010 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion: 105 Resp: 209112
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.022 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampled :

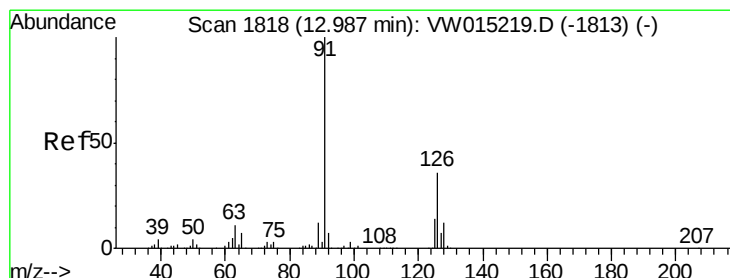
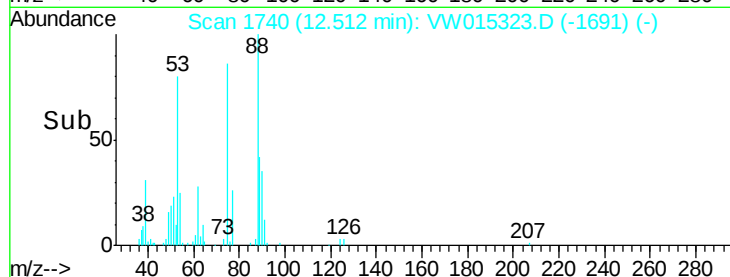
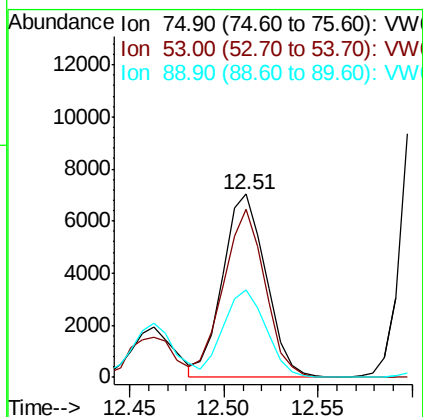
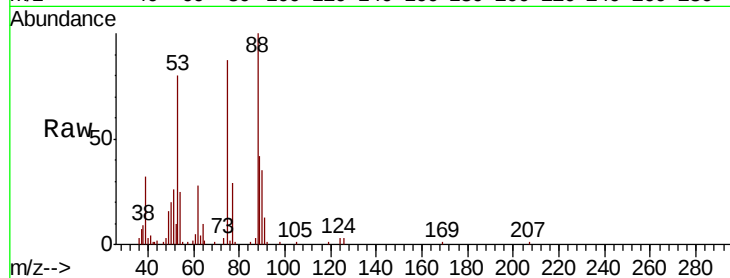
Tot Ion: 75 Resp: 11218

Ion Ratio Lower Upper

75 100

53 88.5 69.4 104.2

89 47.1 34.8 52.2



#82

4-Chlorotoluene

Concen: 20.991 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015323.D

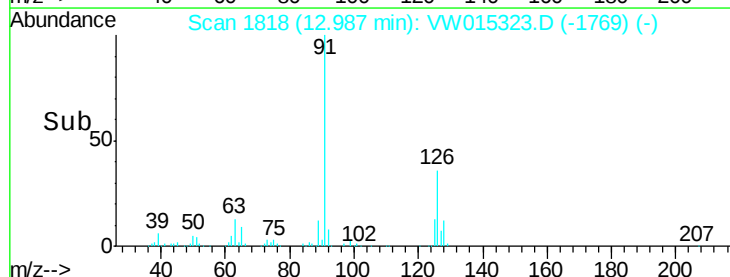
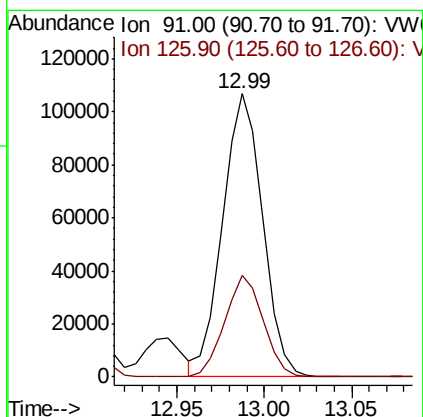
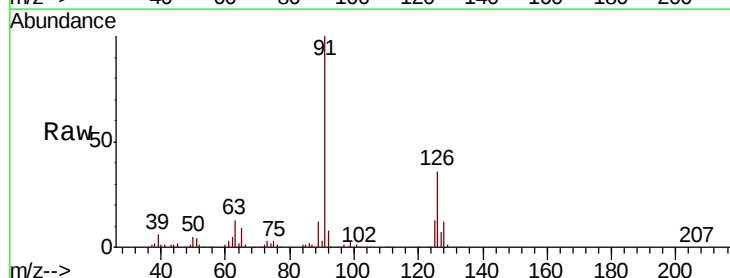
Acq: 23 Apr 2020 11:19

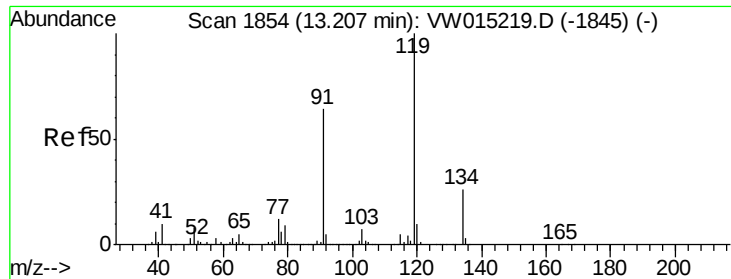
Tgt Ion: 91 Resp: 168969

Ion Ratio Lower Upper

91 100

126 34.8 16.8 50.3

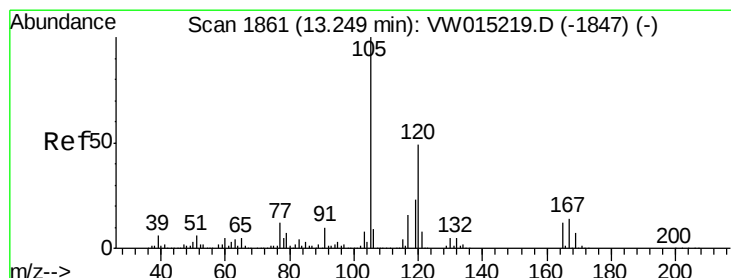
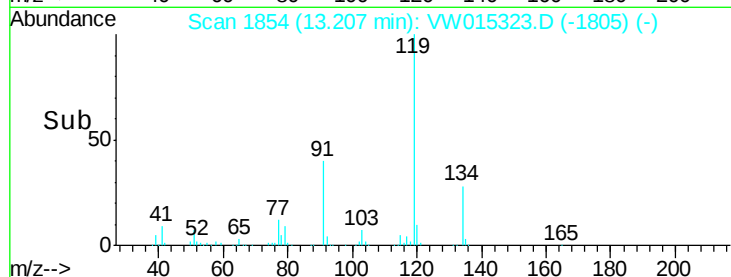
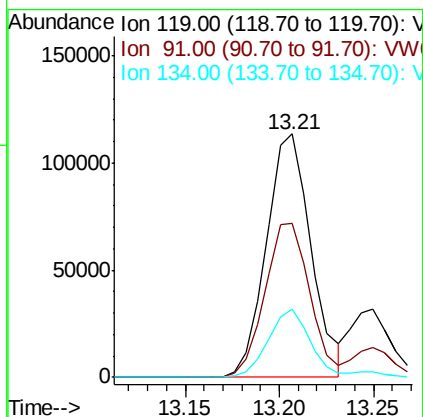
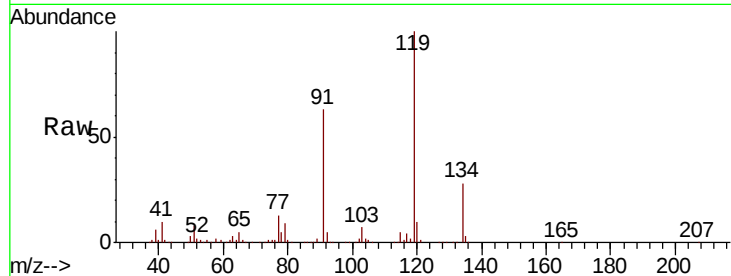




#83
tert-Butylbenzene
Concen: 21.499 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

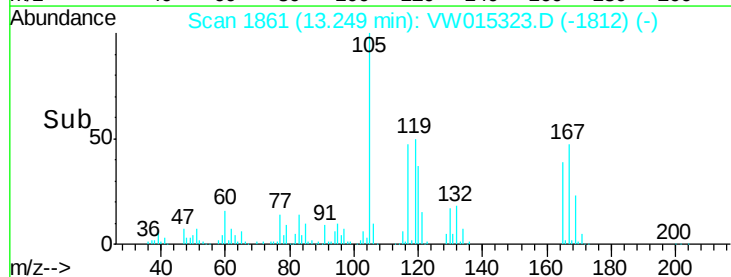
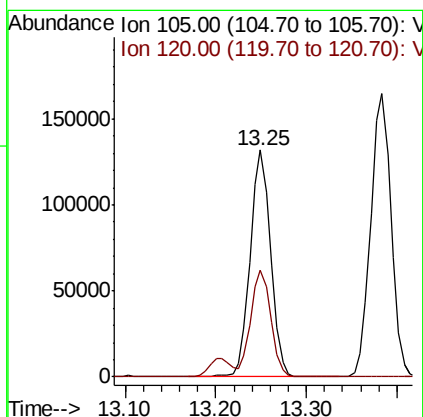
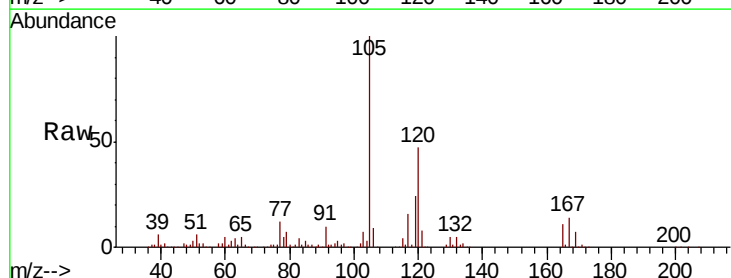
Instrument :
MSVOA_W
ClientSampled :

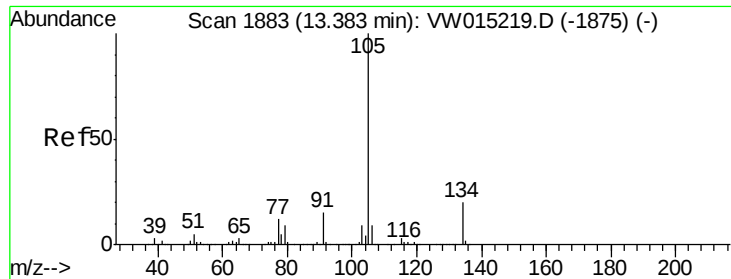
Tot Ion:119 Resp: 187023
Ion Ratio Lower Upper
119 100
91 63.5 32.8 98.3
134 26.3 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 20.965 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion:105 Resp: 205807
Ion Ratio Lower Upper
105 100
120 46.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.364 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

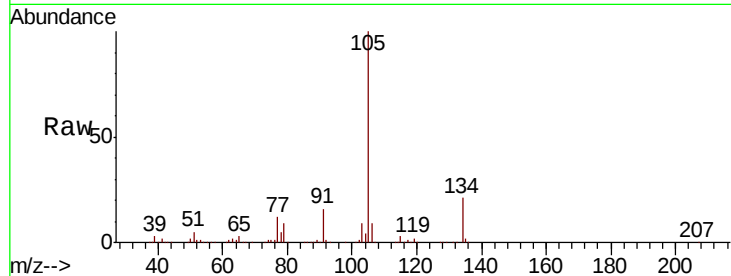
ClientSampleId :

Tot Ion:105 Resp: 256667

Ion Ratio Lower Upper

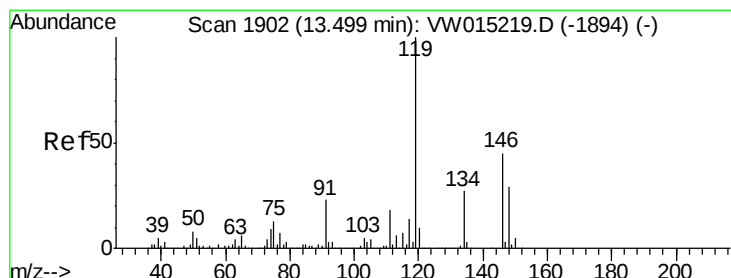
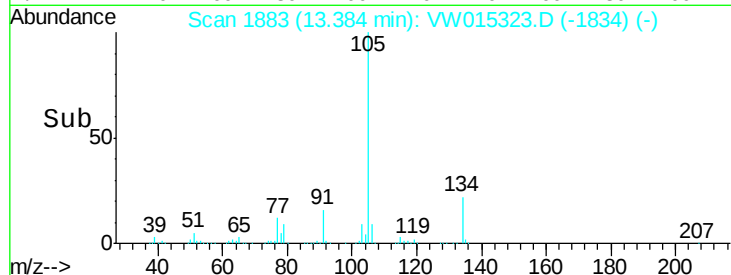
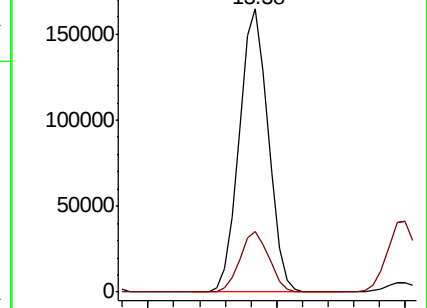
105 100

134 21.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.658 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

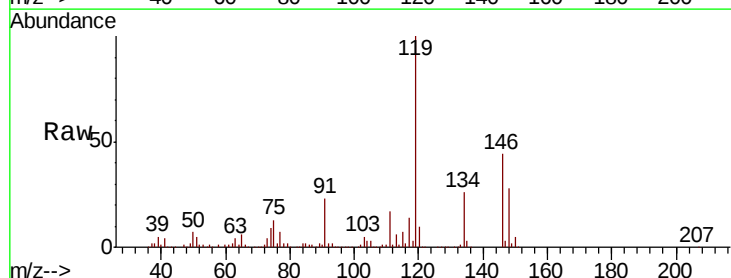
Tgt Ion:119 Resp: 241773

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

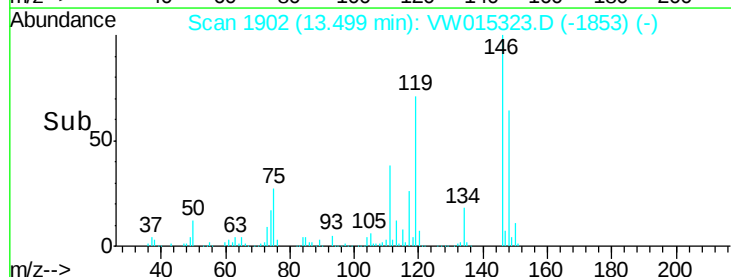
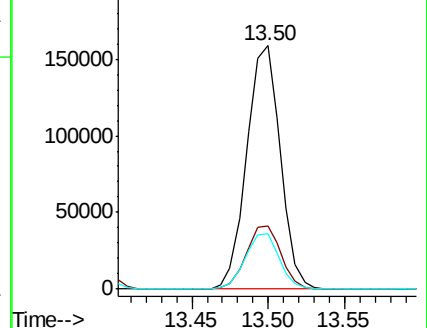
91 23.1 12.0 36.1

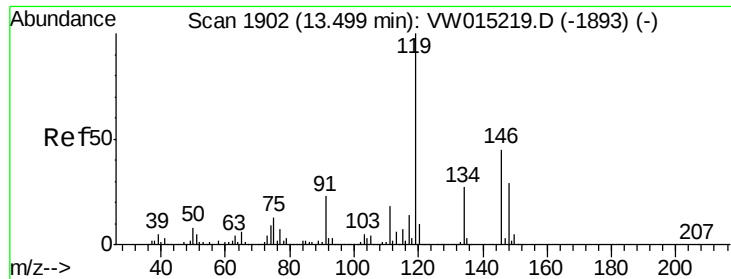


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

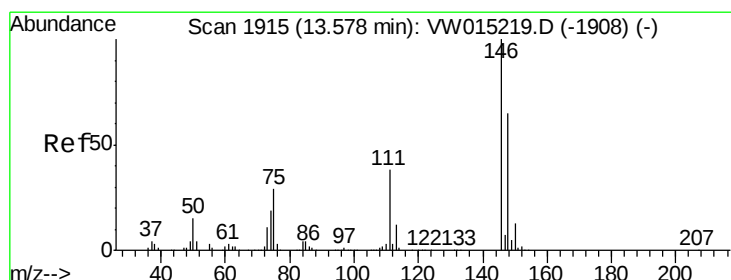
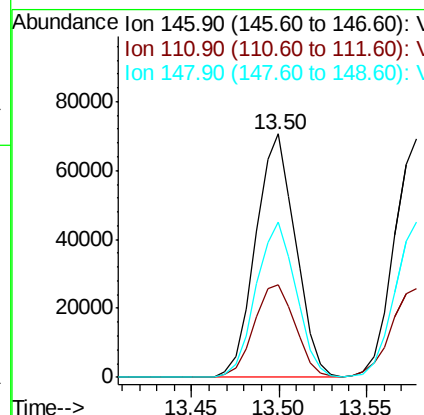
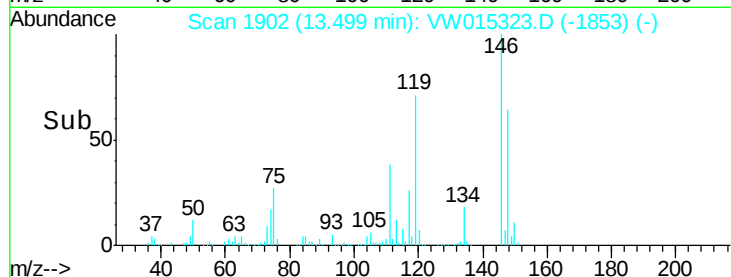
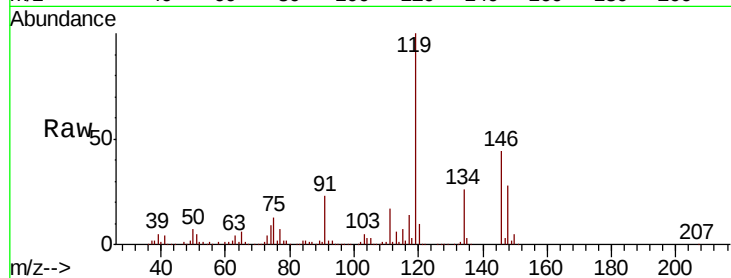




#87
 1,3-Dichlorobenzene
 Concen: 21.213 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

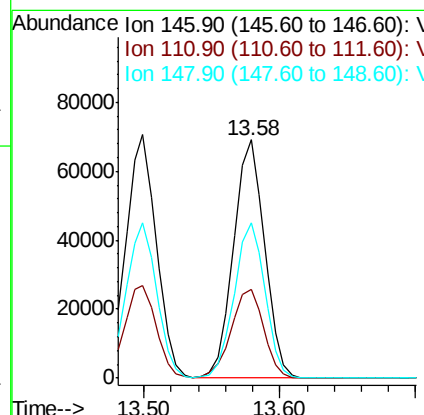
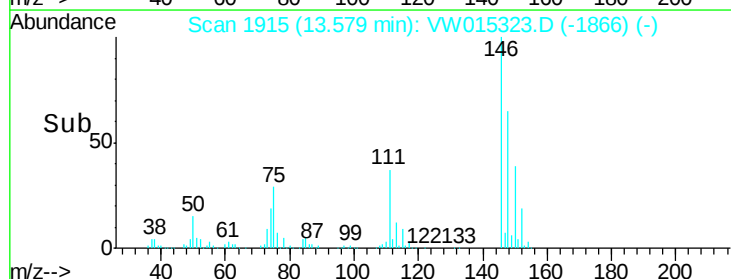
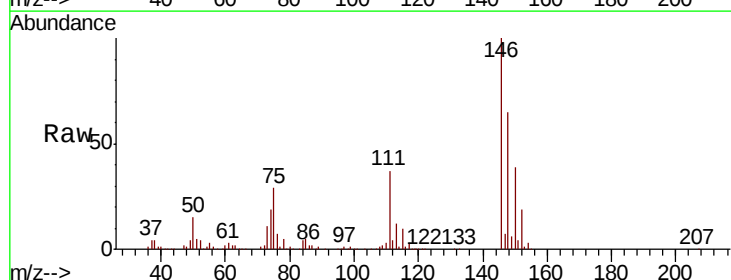
Instrument :
 MSVOA_W
 ClientSampled :

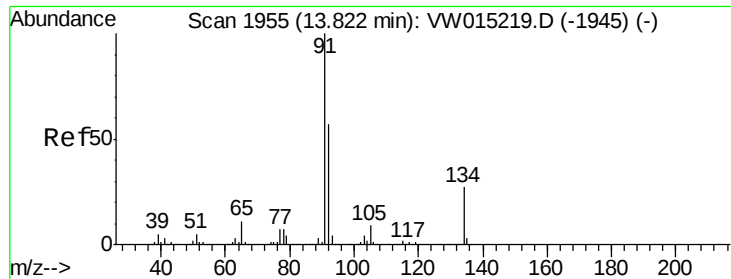
Tot Ion:146 Resp: 111887
 Ion Ratio Lower Upper
 146 100
 111 39.4 21.1 63.4
 148 64.0 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.245 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion:146 Resp: 109840
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.4 61.3
 148 64.7 31.5 94.5





#89

n-Butylbenzene

Concen: 21.026 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

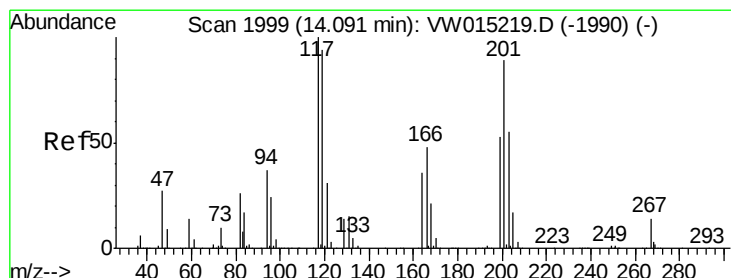
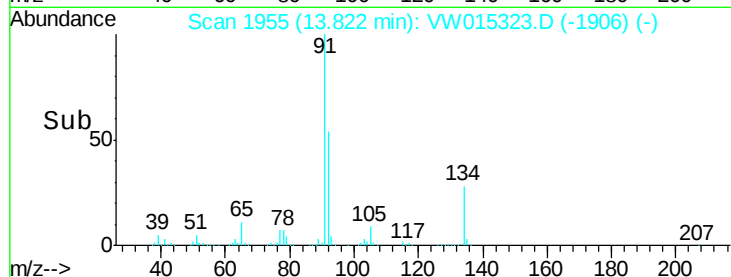
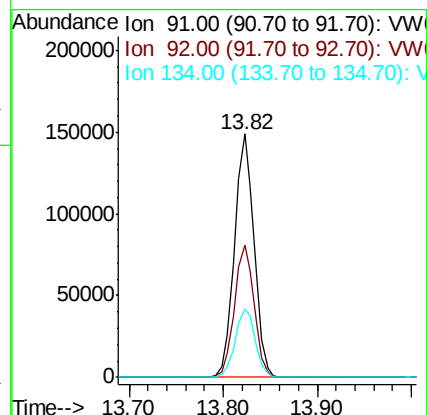
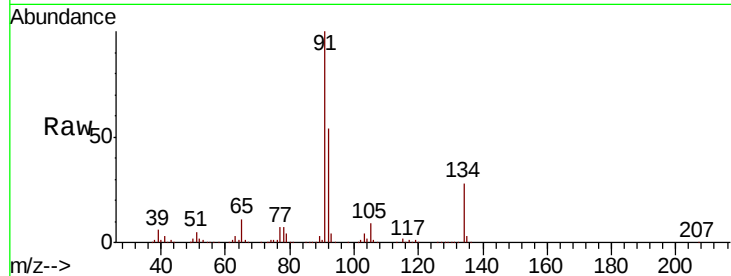
Tot Ion: 91 Resp: 214536

Ion Ratio Lower Upper

91 100

92 54.6 27.6 82.7

134 28.6 12.8 38.3



#90

Hexachloroethane

Concen: 21.332 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015323.D

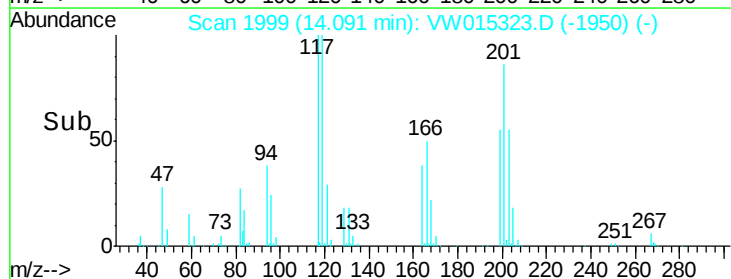
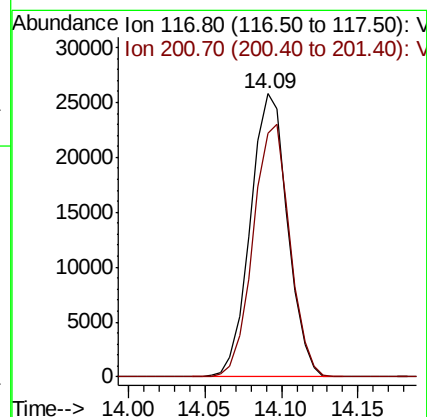
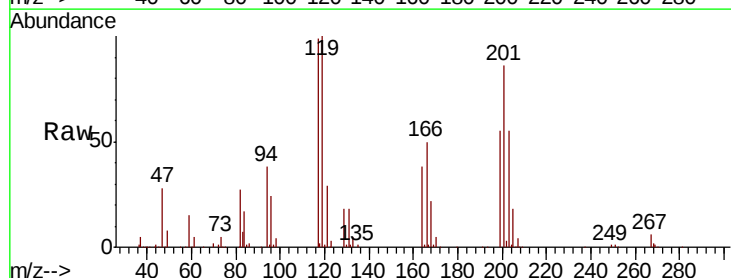
Acq: 23 Apr 2020 11:19

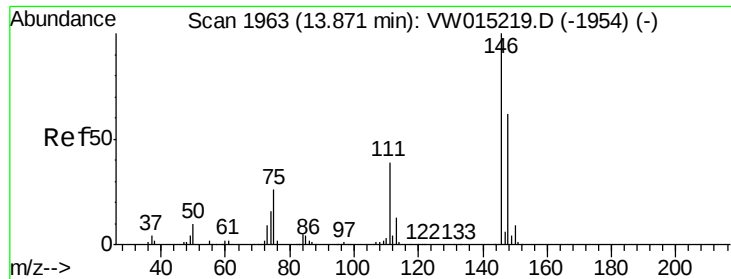
Tgt Ion: 117 Resp: 43671

Ion Ratio Lower Upper

117 100

201 88.1 33.6 100.6





#91

1,2-Dichlorobenzene

Concen: 21.428 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

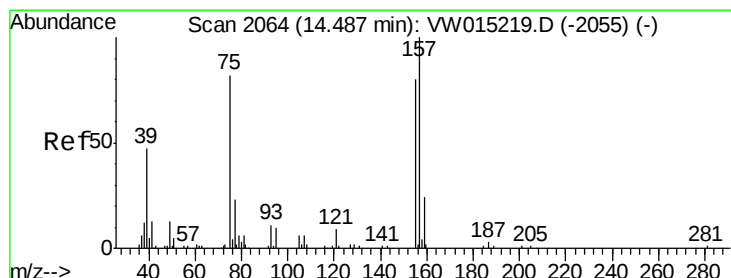
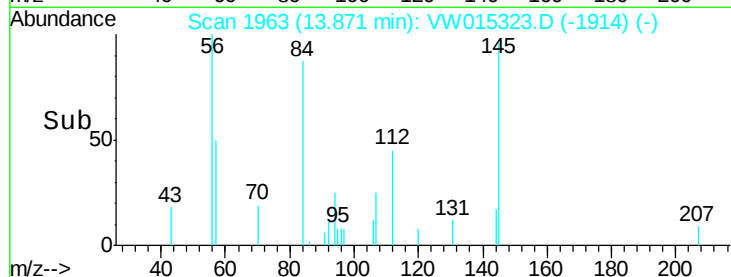
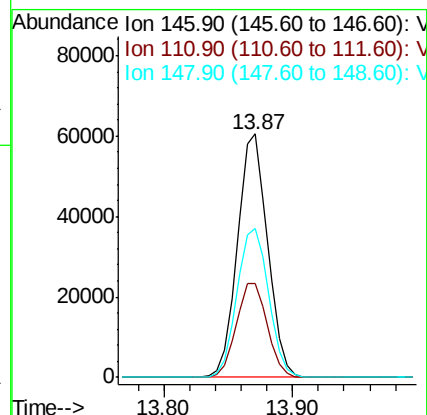
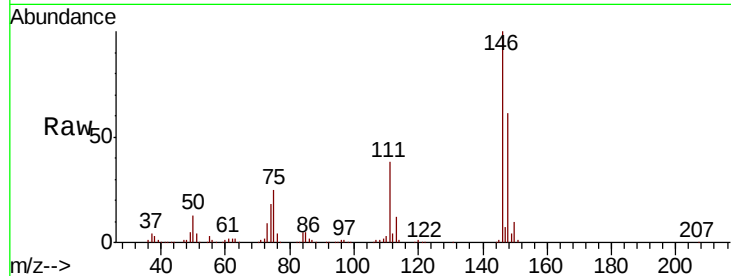
Tot Ion:146 Resp: 98209

Ion Ratio Lower Upper

146 100

111 39.7 21.6 65.0

148 64.1 31.0 93.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.597 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

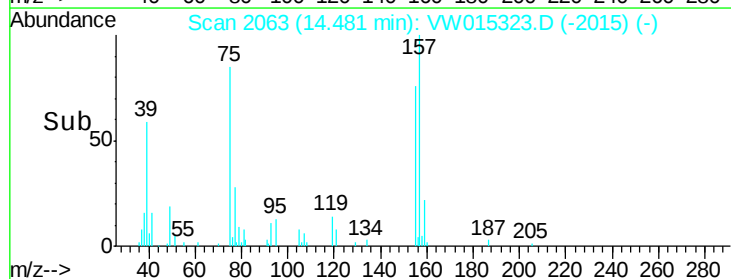
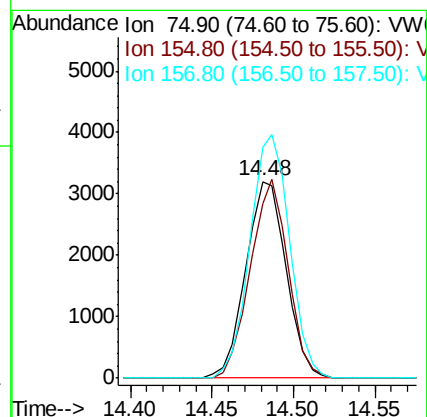
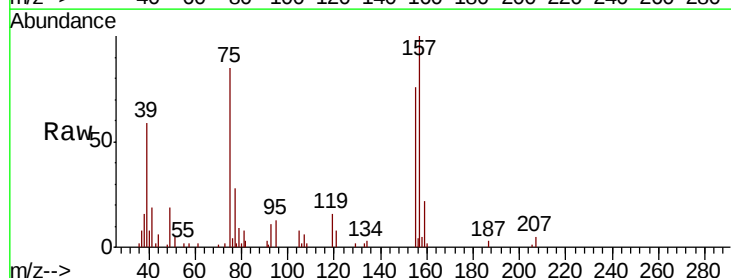
Tgt Ion: 75 Resp: 5521

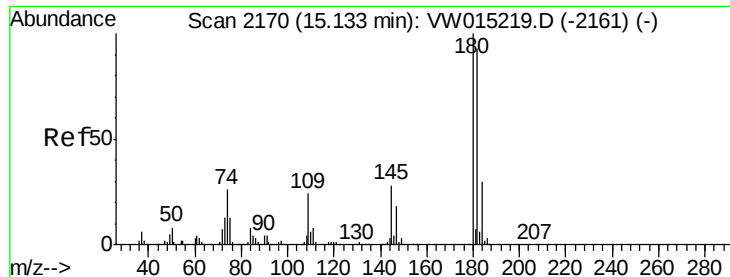
Ion Ratio Lower Upper

75 100

155 94.4 41.6 124.9

157 121.3 53.8 161.2

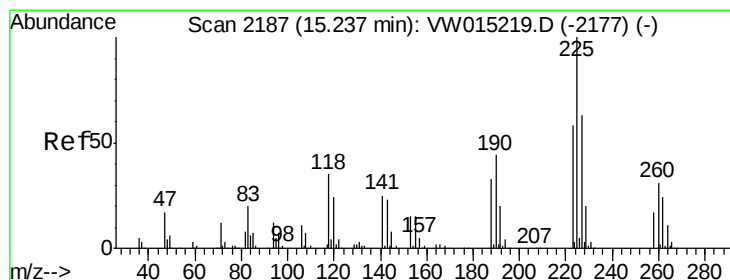
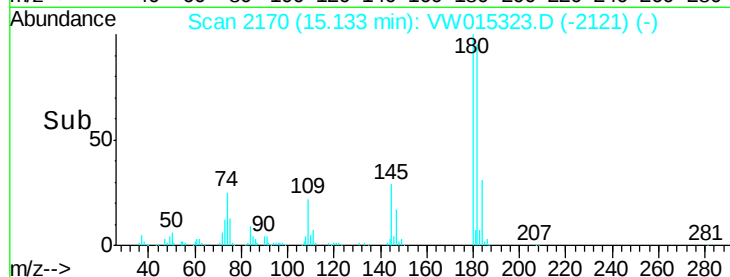
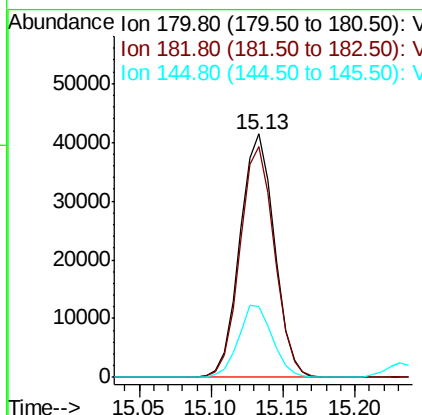
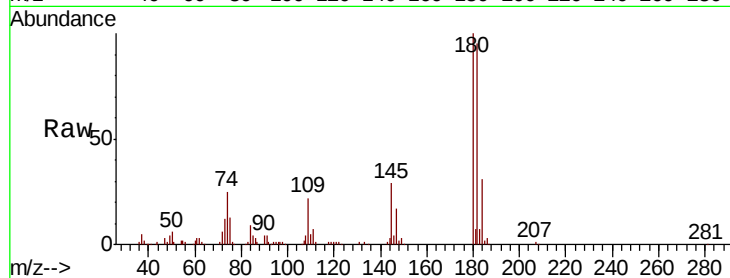




#93
 1,2,4-Trichlorobenzene
 Concen: 21.551 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

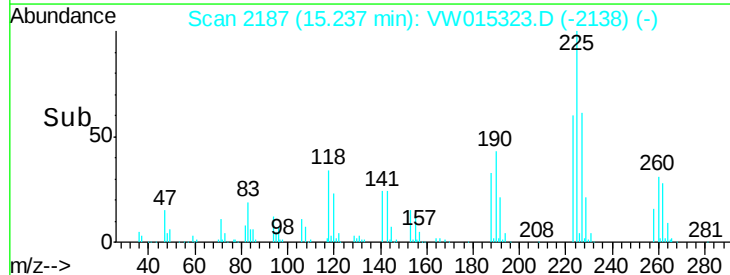
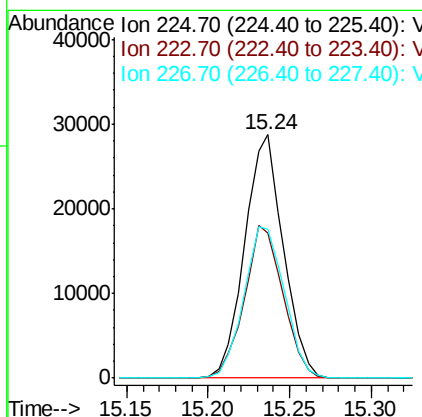
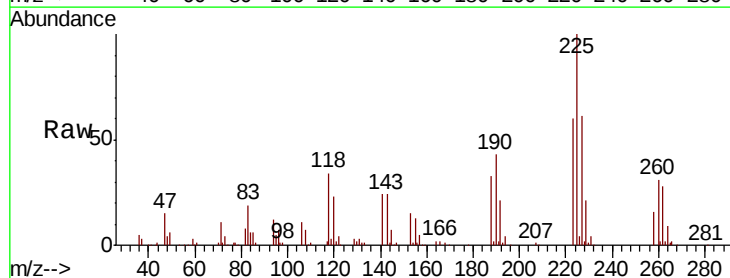
Instrument :
 MSVOA_W
 ClientSampleId :

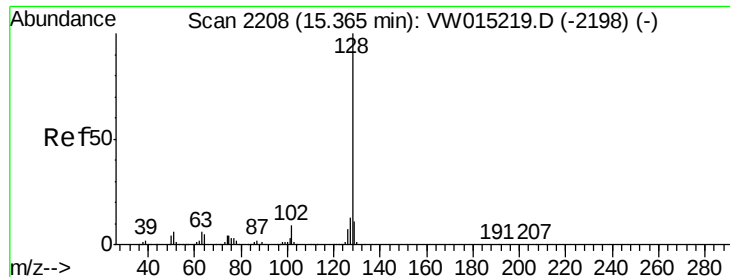
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.4
145	29.1	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 22.231 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.0	93.0
227	65.2	30.8	92.3

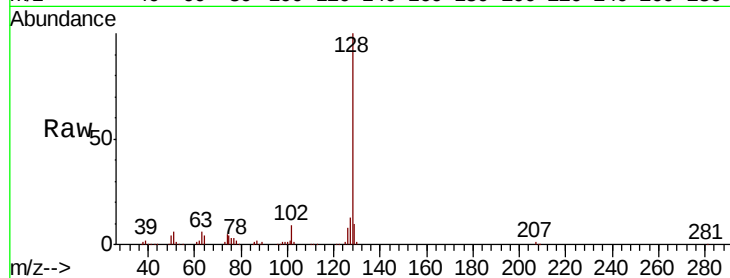




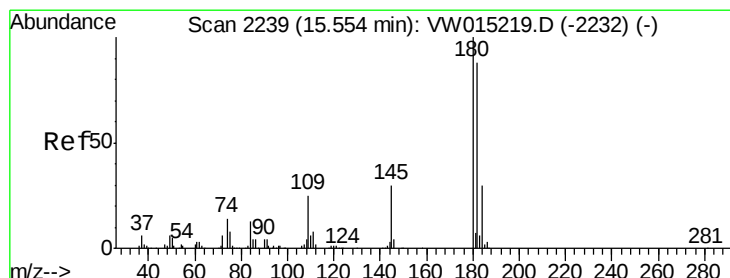
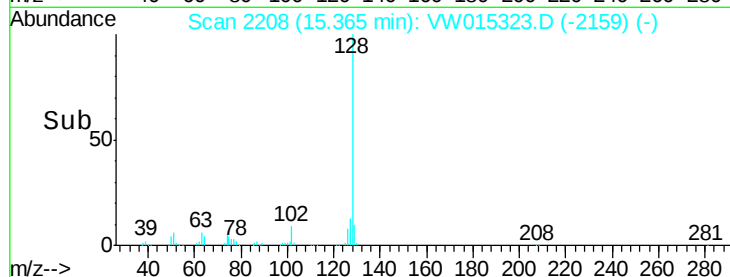
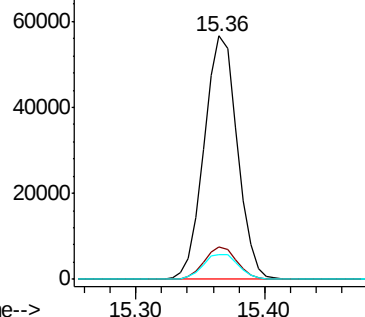
#95
Naphthalene
Concen: 19.638 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 100637
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.9 8.6 12.8

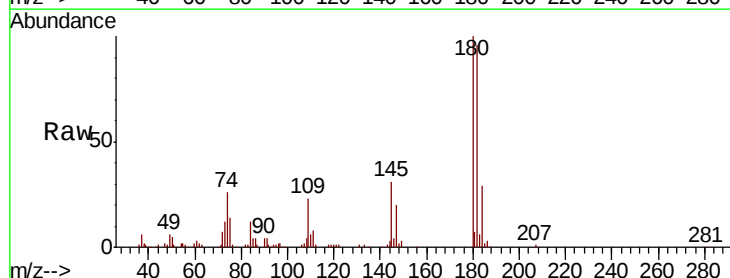


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.027 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion:180 Resp: 57094
Ion Ratio Lower Upper
180 100
182 94.4 48.8 146.3
145 31.0 17.2 51.6



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

