

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011515.D
 Acq On : 26 Jul 2019 14:10
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Quant Time: Jul 27 05:29:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155976	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	128073	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
35) Dibromofluoromethane	7.88	113	104493	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
50) Toluene-d8	10.32	98	428181	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	153169	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	58348	46.203	ug/l	100
3) Chloromethane	2.21	50	97047	44.317	ug/l	99
4) Vinyl Chloride	2.36	62	120457	45.690	ug/l	99
5) Bromomethane	2.78	94	67296	46.116	ug/l	99
6) Chloroethane	2.92	64	69186	45.942	ug/l	97
7) Trichlorofluoromethane	3.25	101	55065	46.735	ug/l	98
8) Diethyl Ether	3.68	74	61203	45.814	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	103547	46.328	ug/l	99
10) Methyl Iodide	4.27	142	145150	45.954	ug/l	100
11) Tert butyl alcohol	5.17	59	42941	221.596	ug/l	98
12) 1,1-Dichloroethene	4.04	96	108946	46.165	ug/l	98
13) Acrolein	3.89	56	44982	240.934	ug/l	99
14) Allyl chloride	4.67	41	232018	46.225	ug/l	100
15) Acrylonitrile	5.36	53	154458	231.617	ug/l	98
16) Acetone	4.12	43	194612	235.130	ug/l	99
17) Carbon Disulfide	4.39	76	343930	46.564	ug/l	99
18) Methyl Acetate	4.67	43	85294	45.873	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	173744	46.395	ug/l	95
20) Methylene Chloride	4.92	84	123503	43.266	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	117647	46.240	ug/l	99
22) Diisopropyl ether	6.31	45	435217	45.990	ug/l	97
23) Vinyl Acetate	6.25	43	1394775	234.563	ug/l	99
24) 1,1-Dichloroethane	6.21	63	231052	45.589	ug/l	99
25) 2-Butanone	7.17	43	245656	226.820	ug/l	98
26) 2,2-Dichloropropane	7.17	77	133985	42.987	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	126835	45.296	ug/l	98
28) Bromochloromethane	7.51	49	115144	51.185	ug/l #	100
29) Tetrahydrofuran	7.52	42	141674	228.847	ug/l	99
30) Chloroform	7.68	83	209628	44.833	ug/l	100
31) Cyclohexane	7.95	56	218338	44.879	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	164174	46.105	ug/l	99
36) 1,1-Dichloropropene	8.08	75	175464	46.077	ug/l	99
37) Ethyl Acetate	7.25	43	100604	45.919	ug/l	98
38) Carbon Tetrachloride	8.07	117	151847	46.579	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	199074	47.476	ug/l	99
40) Benzene	8.32	78	485635	45.528	ug/l	100
41) Methacrylonitrile	7.48	41	59718	45.598	ug/l	95
42) 1,2-Dichloroethane	8.40	62	152991	45.812	ug/l	99
43) Isopropyl Acetate	8.42	43	187215	46.464	ug/l	98
44) Trichloroethene	9.09	130	119569	46.639	ug/l	98
45) 1,2-Dichloropropane	9.37	63	131342	46.020	ug/l	100
46) Dibromomethane	9.46	93	59980	46.045	ug/l	98
47) Bromodichloromethane	9.65	83	156885	45.913	ug/l	99
48) Methyl methacrylate	9.43	41	91697	47.377	ug/l	99
49) 1,4-Dioxane	9.45	88	17752	941.186	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	487604	232.659	ug/l	100
52) Toluene	10.39	92	300263	46.613	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	167512	46.930	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	199520	47.012	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	85213	46.105	ug/l	98
56) Ethyl methacrylate	10.65	69	128845	47.640	ug/l	98
57) 1,3-Dichloropropane	10.93	76	161738	46.255	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	357461	291.096	ug/l	99
59) 2-Hexanone	10.97	43	351623	237.621	ug/l	99
60) Dibromochloromethane	11.13	129	96509	47.041	ug/l	99
61) 1,2-Dibromoethane	11.24	107	81185	46.416	ug/l	100
64) Tetrachloroethene	10.86	164	95035	44.370	ug/l	99
65) Chlorobenzene	11.66	112	299232	45.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	105653	45.863	ug/l	99
67) Ethyl Benzene	11.73	91	578192	45.903	ug/l	99
68) m/p-Xylenes	11.84	106	419388	91.554	ug/l	100
69) o-Xylene	12.16	106	196355	46.128	ug/l	100
70) Styrene	12.18	104	344146	46.760	ug/l	99
71) Bromoform	12.35	173	54377	46.295	ug/l #	99
73) Isopropylbenzene	12.46	105	544325	46.779	ug/l	100
74) N-amyl acetate	12.27	43	176705	48.505	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	101829	46.524	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	134957	81.772	ug/l #	100
77) Bromobenzene	12.75	156	119417	46.431	ug/l	99
78) n-propylbenzene	12.80	91	670605	47.355	ug/l	100
79) 2-Chlorotoluene	12.89	91	381343	46.743	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	462229	47.389	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	33199	46.360	ug/l	98
82) 4-Chlorotoluene	12.99	91	395874	46.248	ug/l	99
83) tert-Butylbenzene	13.21	119	387481	47.504	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	464565	47.280	ug/l	99
85) sec-Butylbenzene	13.38	105	553108	47.523	ug/l	100
86) p-Isopropyltoluene	13.50	119	500375	47.384	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	235198	46.638	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	233953	46.636	ug/l	100
89) n-Butylbenzene	13.82	91	504143	47.840	ug/l	99
90) Hexachloroethane	14.09	117	88959	47.641	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	208177	46.673	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17503	46.895	ug/l	99

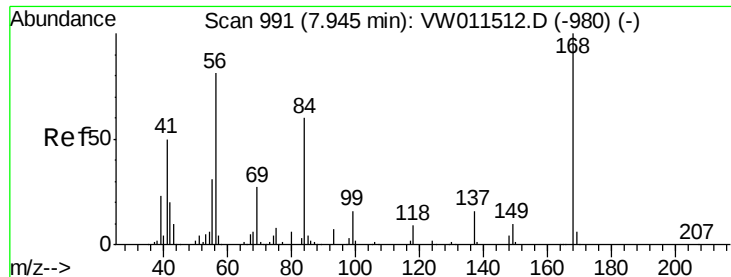
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	154576	49.173	ug/l	100
94) Hexachlorobutadiene	15.24	225	94580	48.247	ug/l	99
95) Naphthalene	15.37	128	286441	46.662	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	137650	49.955	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

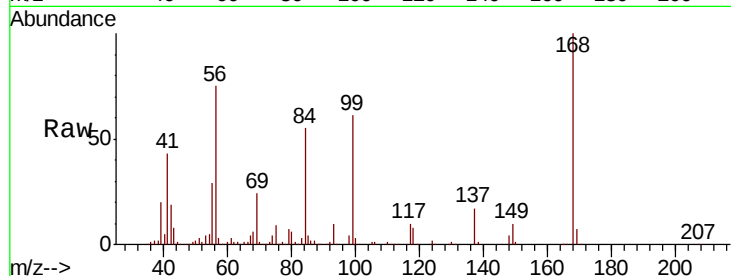
ICVW072719

Tot Ion:168 Resp: 226597

Ion Ratio Lower Upper

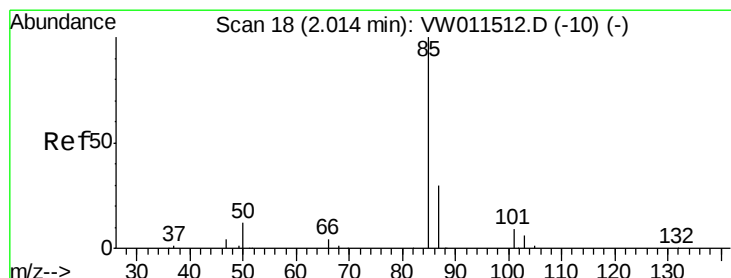
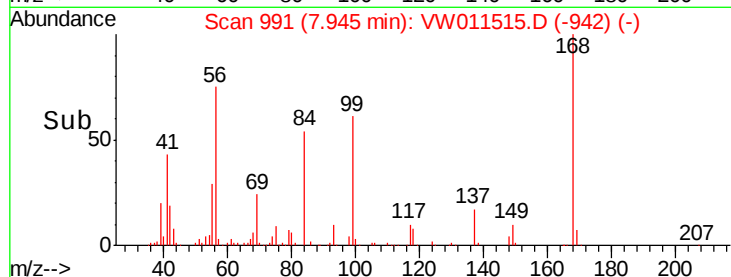
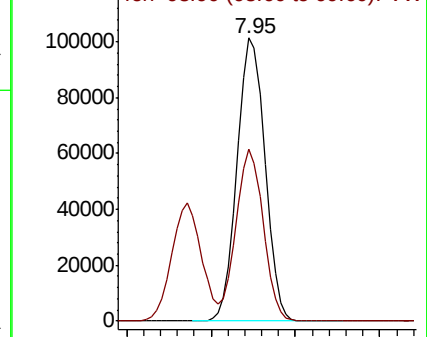
168 100

99 60.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.203 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011515.D

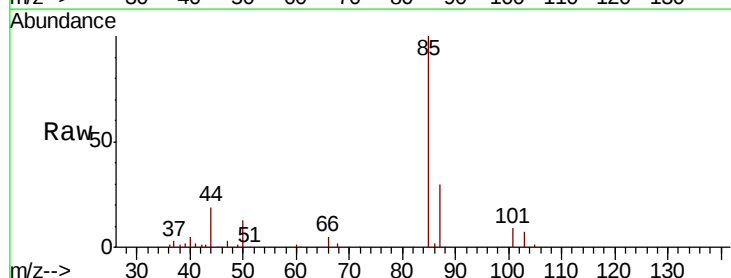
Acq: 26 Jul 2019 14:10

Tgt Ion: 85 Resp: 58348

Ion Ratio Lower Upper

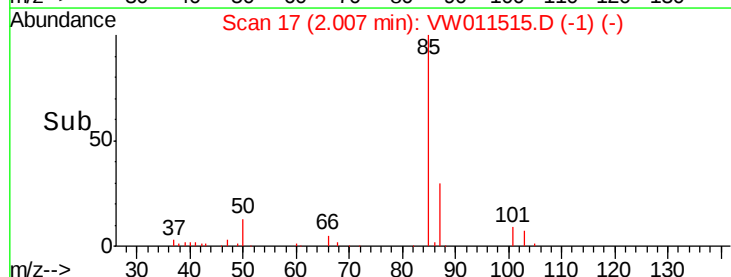
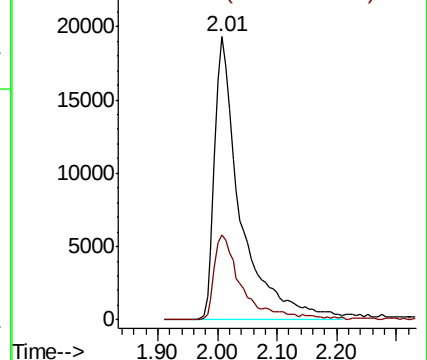
85 100

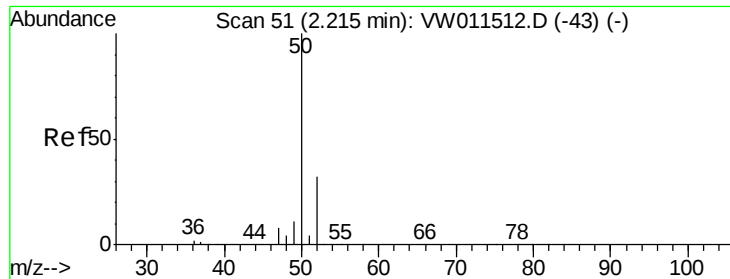
87 30.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 44.317 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

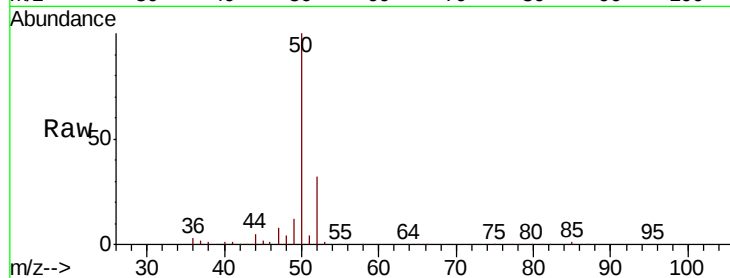
ICVW072719

Tot Ion: 50 Resp: 97047

Ion Ratio Lower Upper

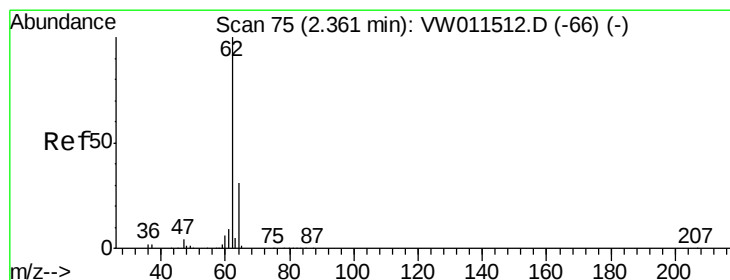
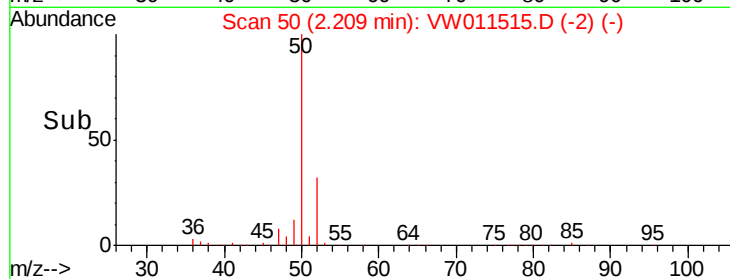
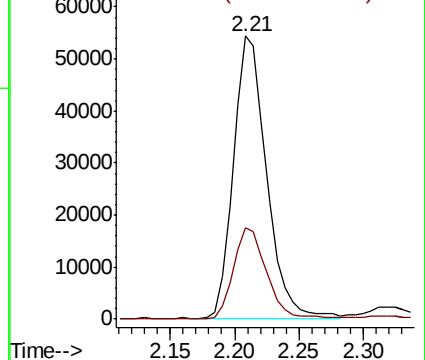
50 100

52 32.2 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 45.690 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011515.D

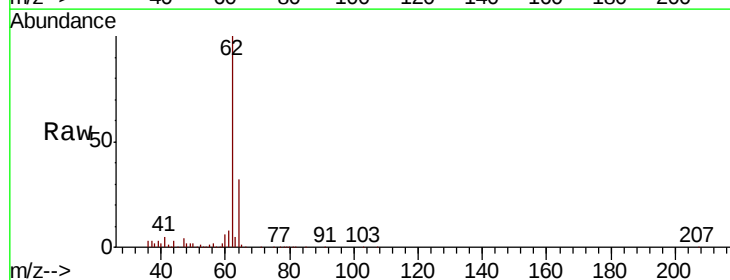
Acq: 26 Jul 2019 14:10

Tgt Ion: 62 Resp: 120457

Ion Ratio Lower Upper

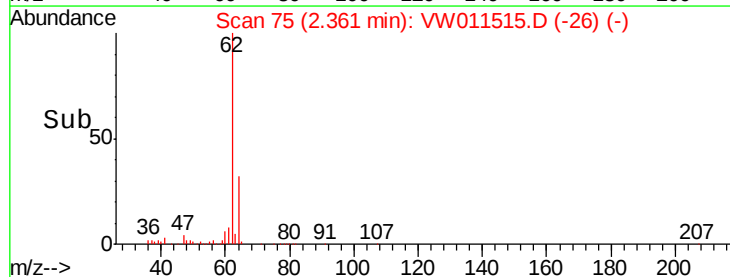
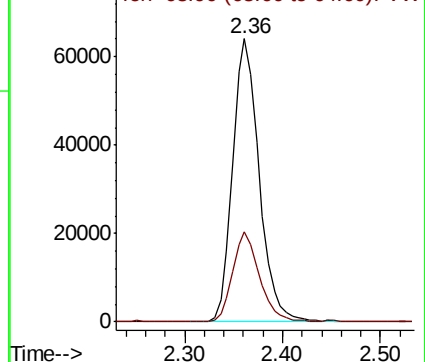
62 100

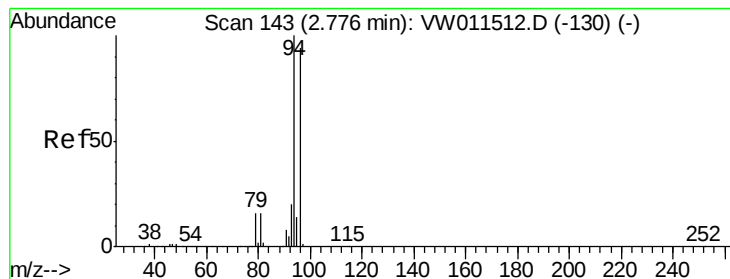
64 31.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 46.116 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

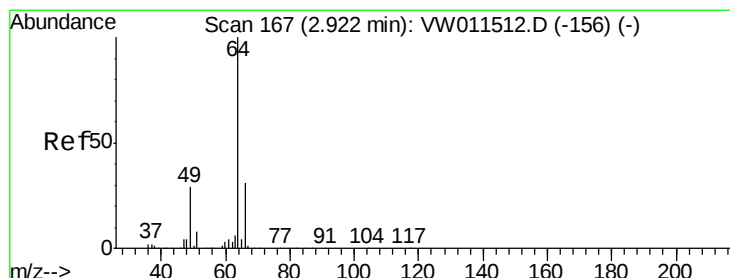
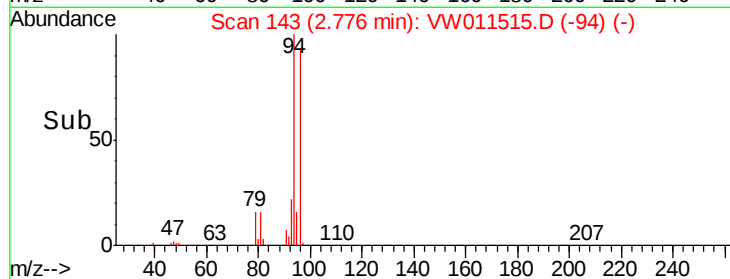
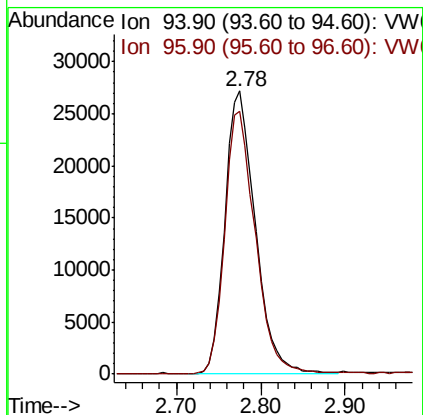
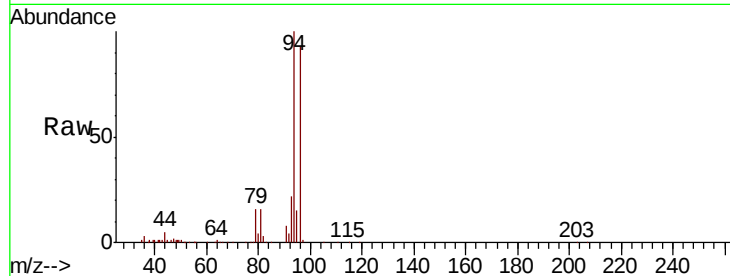
ICVW072719

Tot Ion: 94 Resp: 67296

Ion Ratio Lower Upper

94 100

96 92.8 75.0 112.6



#6

Chloroethane

Concen: 45.942 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011515.D

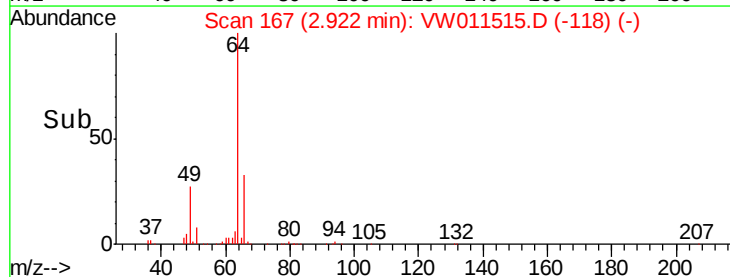
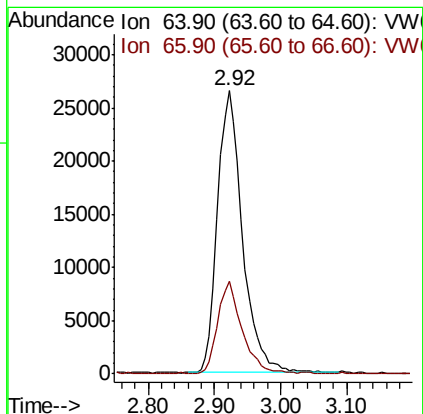
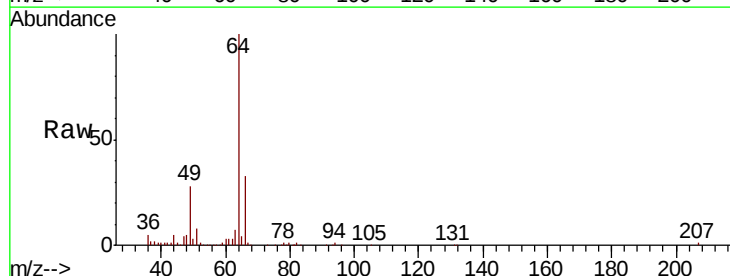
Acq: 26 Jul 2019 14:10

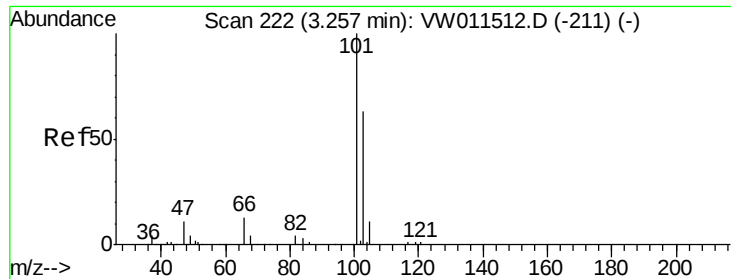
Tgt Ion: 64 Resp: 69186

Ion Ratio Lower Upper

64 100

66 32.5 24.6 36.8



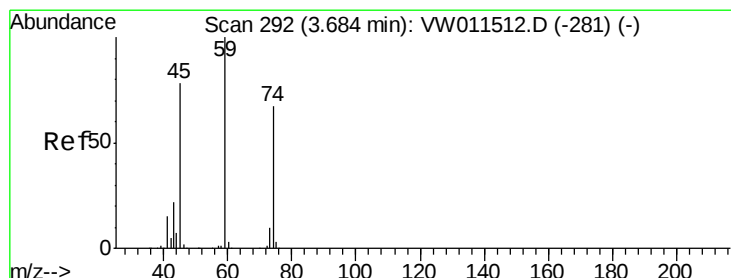
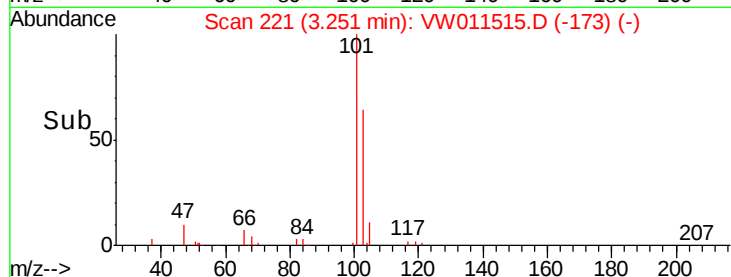
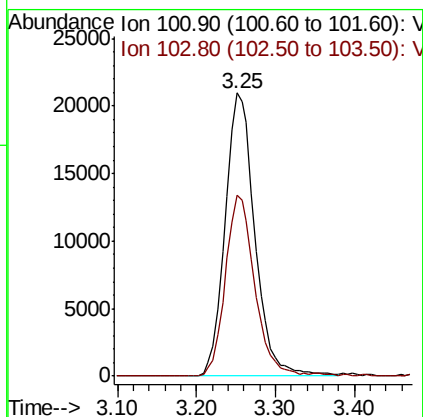
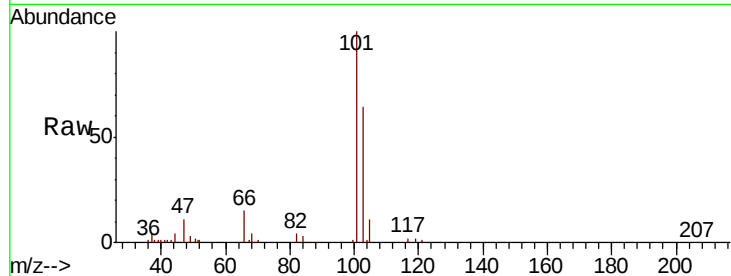


#7

Trichlorofluoromethane
 Concen: 46.735 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
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 ICVVW072719

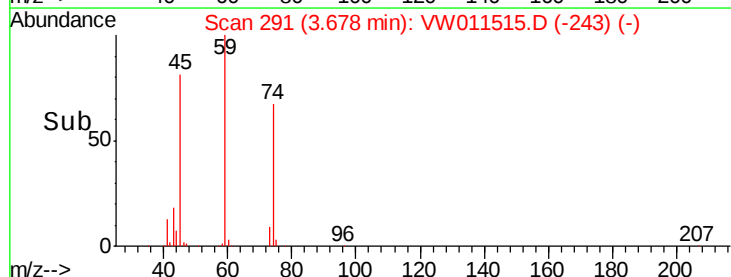
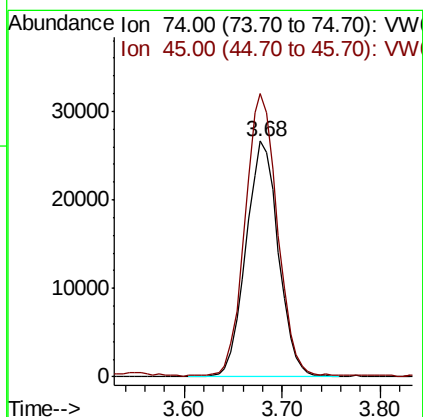
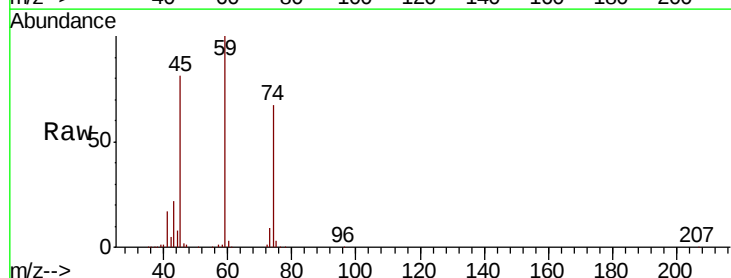
Tot Ion:101 Resp: 55065
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.2 75.4

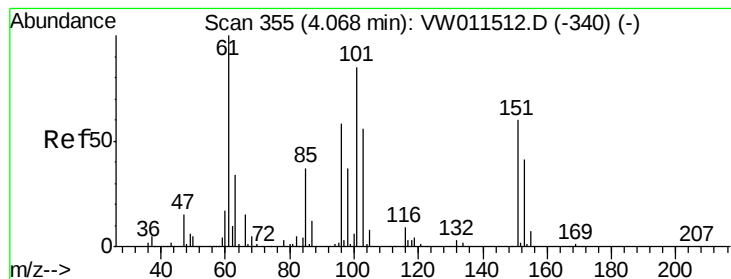


#8

Diethyl Ether
 Concen: 45.814 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion: 74 Resp: 61203
 Ion Ratio Lower Upper
 74 100
 45 119.6 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.328 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

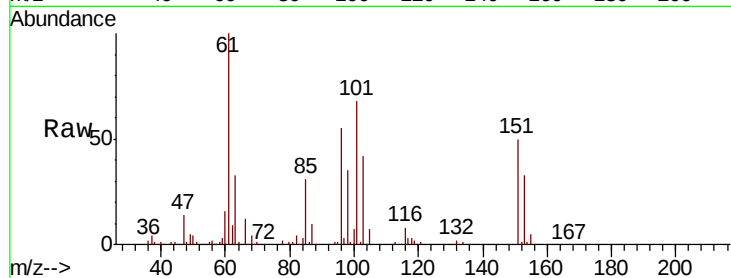
Tot Ion:101 Resp: 103547

Ion Ratio Lower Upper

101 100

85 44.4 36.6 54.8

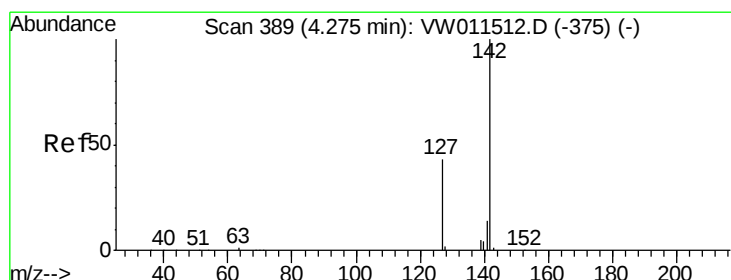
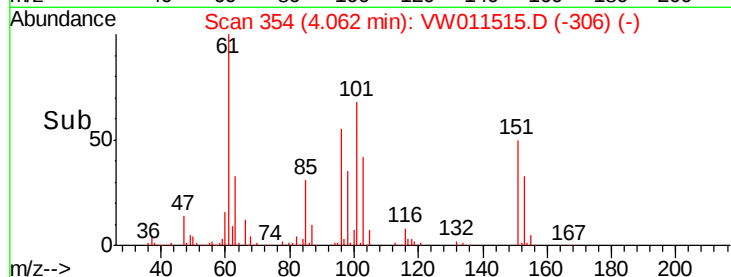
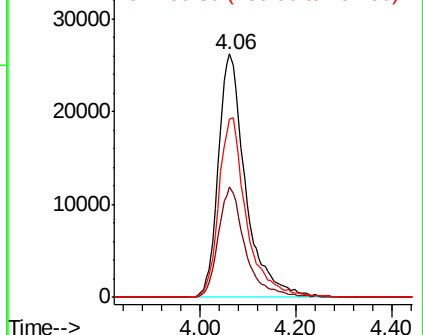
151 74.6 60.2 90.2



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: 45.954 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

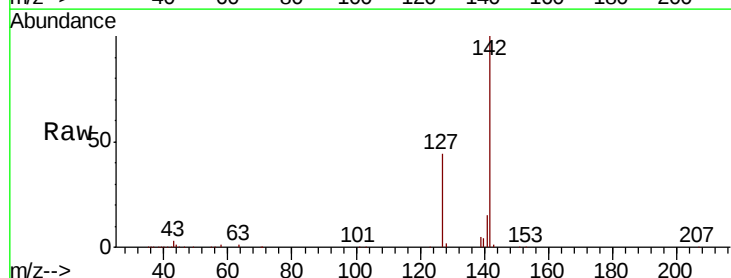
Tgt Ion:142 Resp: 145150

Ion Ratio Lower Upper

142 100

127 43.8 35.0 52.6

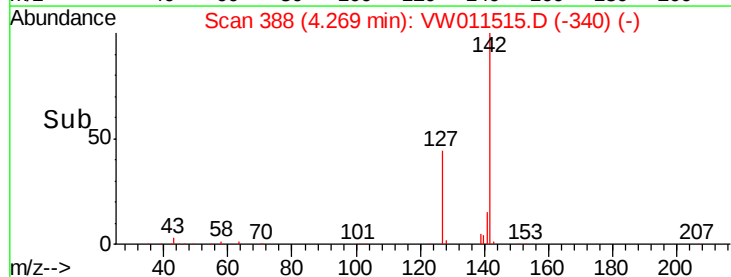
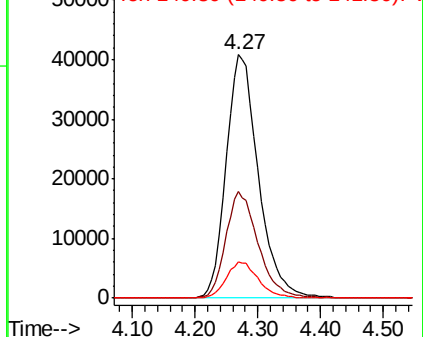
141 14.8 11.9 17.9

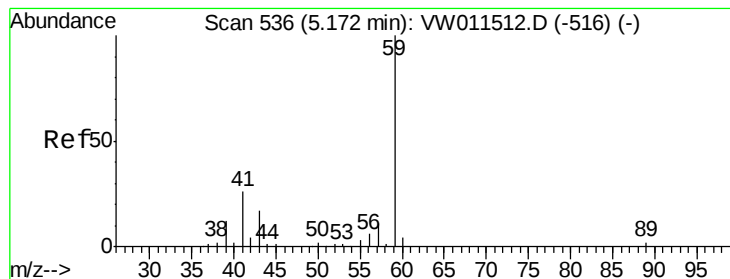


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



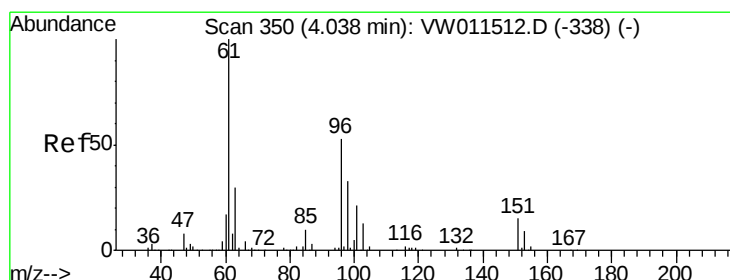
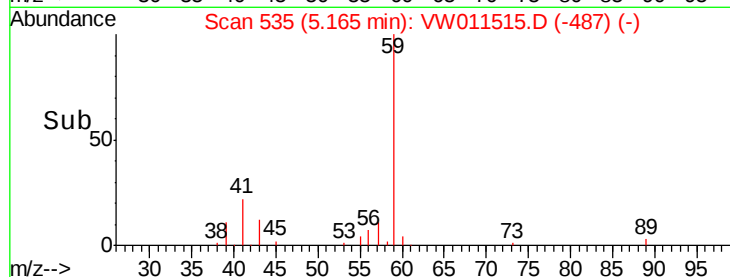
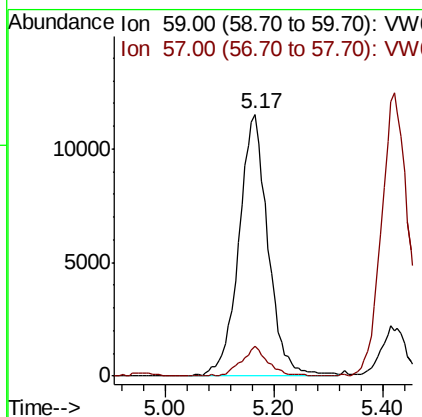
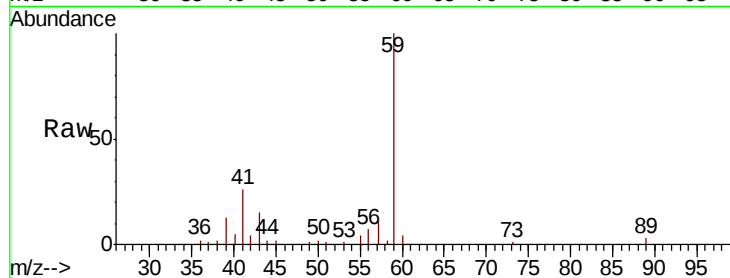


#11

Tert butyl alcohol
 Concen: 221.596 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW072719

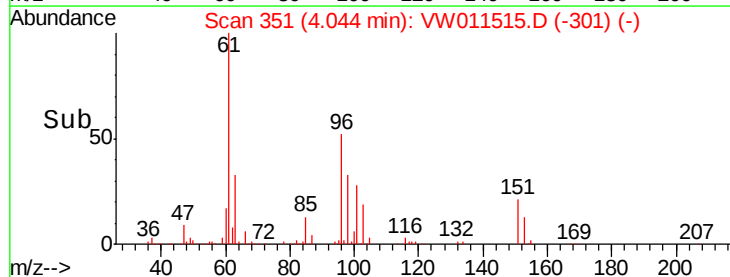
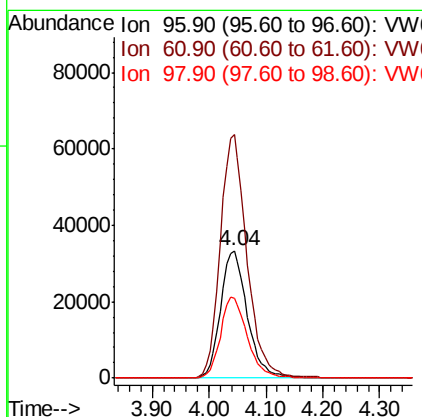
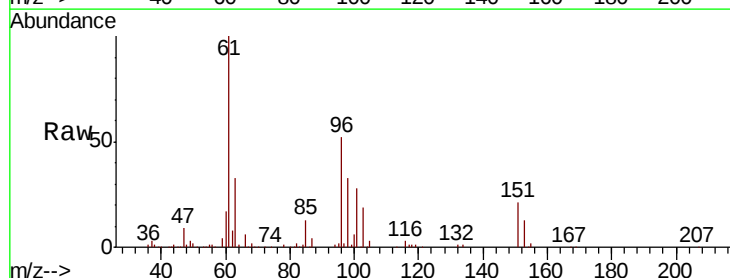
Tot Ion: 59 Resp: 42941
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.5 12.7

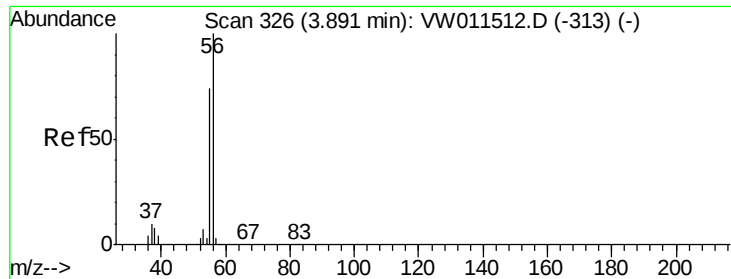


#12

1,1-Dichloroethene
 Concen: 46.165 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion: 96 Resp: 108946
 Ion Ratio Lower Upper
 96 100
 61 191.3 149.9 224.9
 98 62.3 49.1 73.7





#13

Acrolein

Concen: 240.934 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

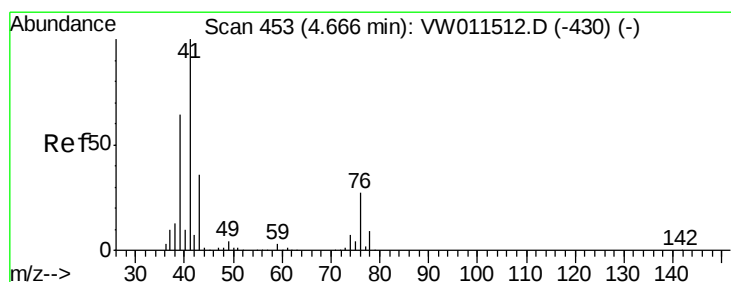
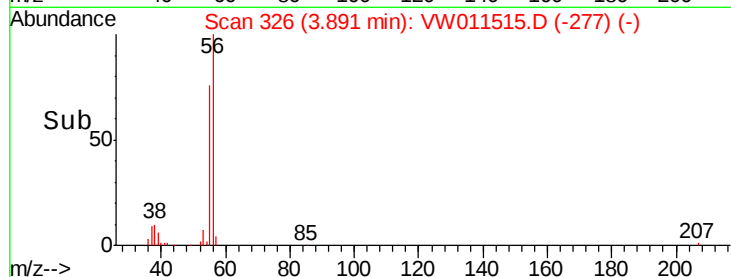
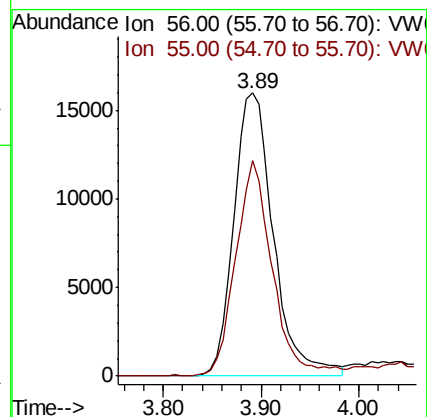
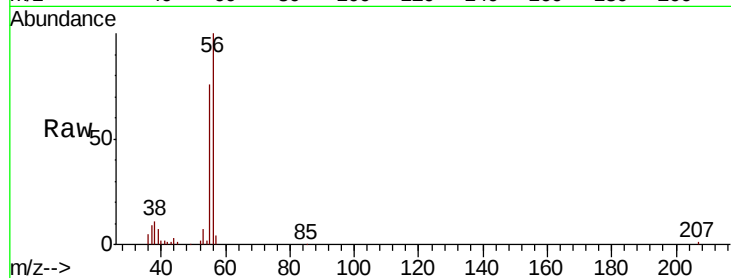
ICVW072719

Tot Ion: 56 Resp: 44982

Ion Ratio Lower Upper

56 100

55 69.3 56.0 84.0



#14

Allyl chloride

Concen: 46.225 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

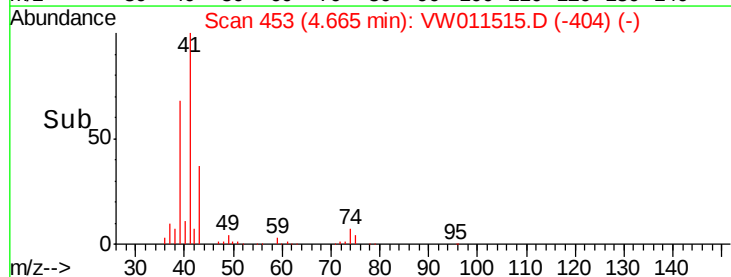
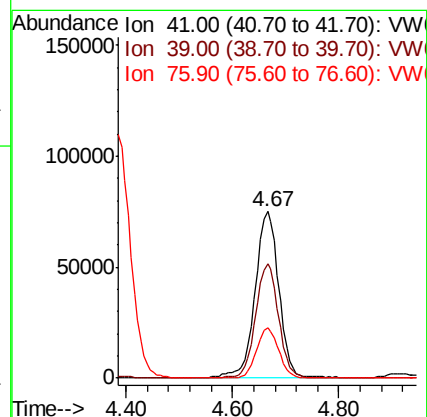
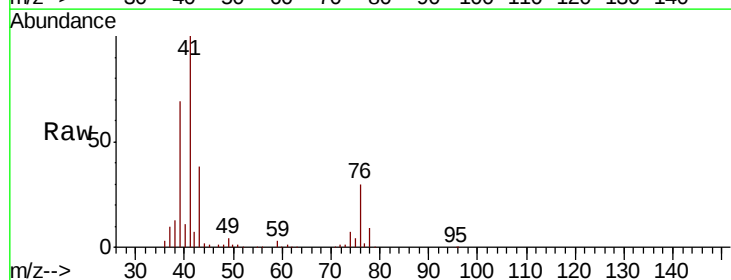
Tgt Ion: 41 Resp: 232018

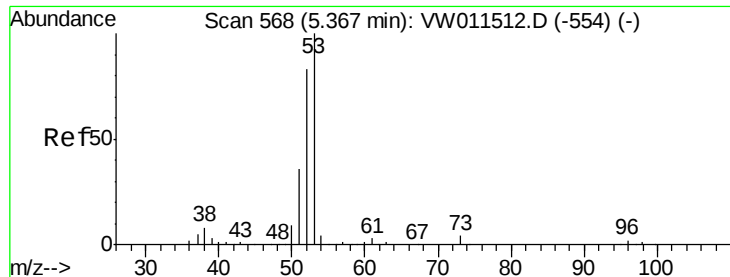
Ion Ratio Lower Upper

41 100

39 65.7 52.6 78.8

76 28.0 22.0 33.0





#15

Acrylonitrile

Concen: 231.617 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

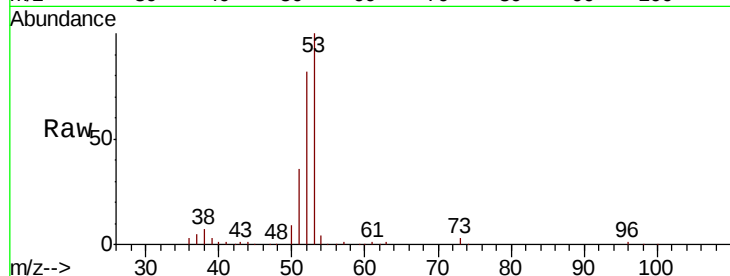
MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion: 53 Resp: 154458

Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.2	100.8
51	36.4	30.0	45.0

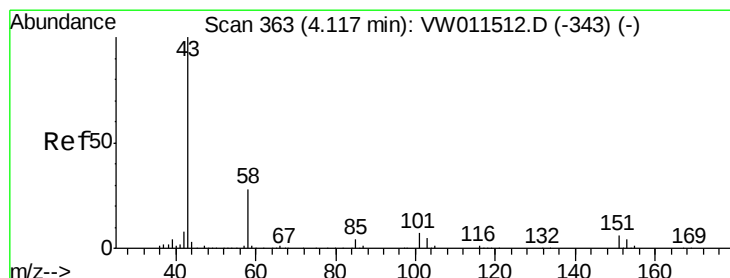
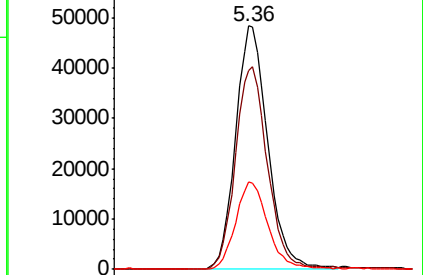
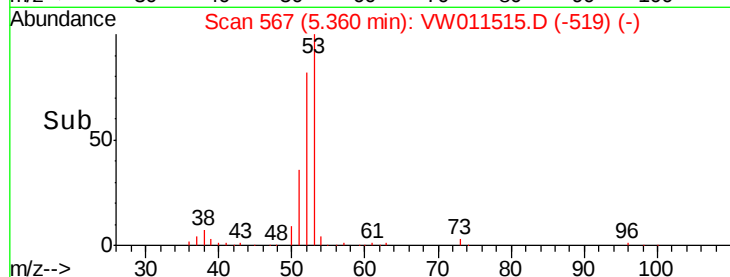


Abundance

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: 235.130 ug/l

RT: 4.12 min Scan# 363

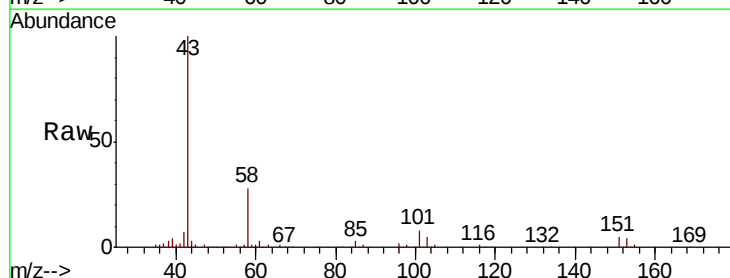
Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion: 43 Resp: 194612

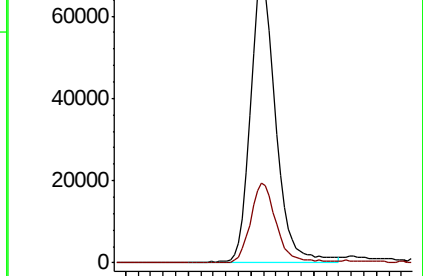
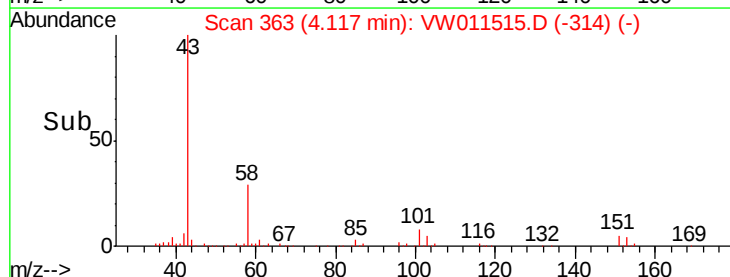
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.3	33.5

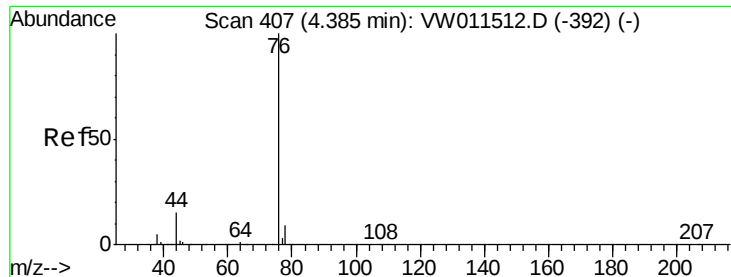


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

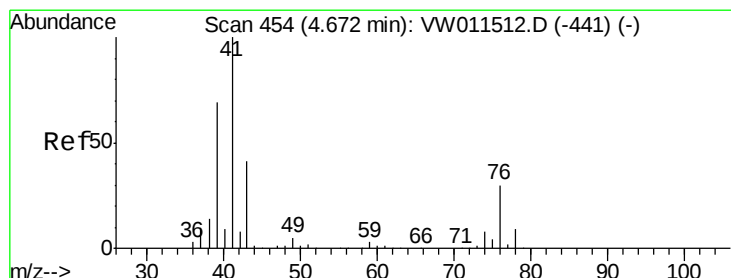
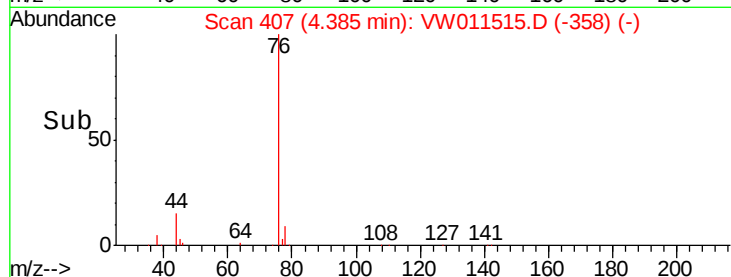
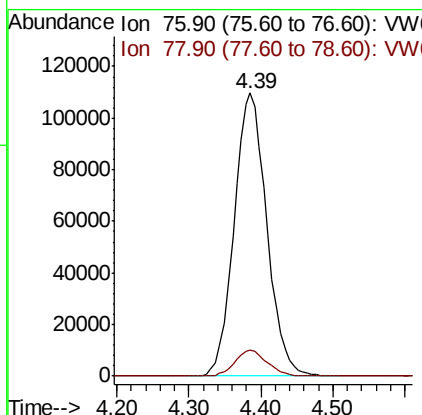
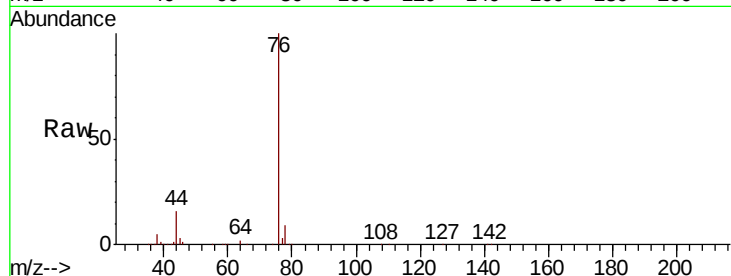




#17
Carbon Disulfide
Concen: 46.564 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

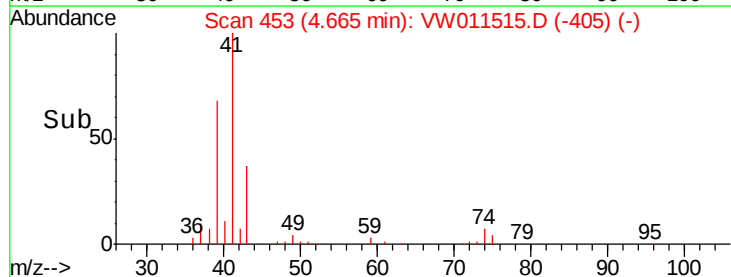
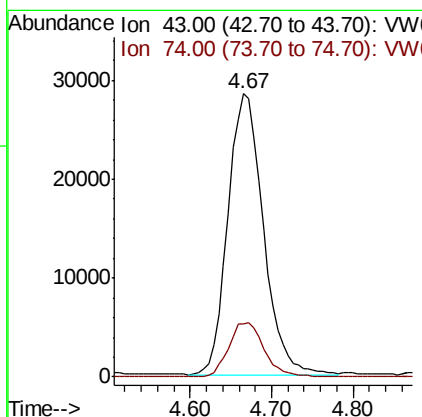
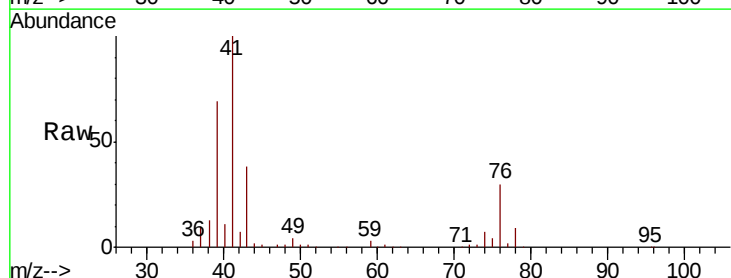
Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

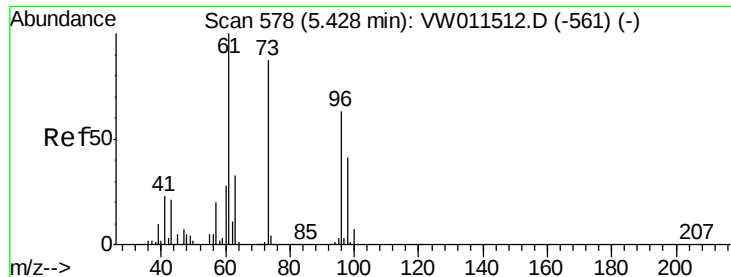
Tot Ion: 76 Resp: 343930
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 45.873 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion: 43 Resp: 85294
Ion Ratio Lower Upper
43 100
74 19.5 15.9 23.9

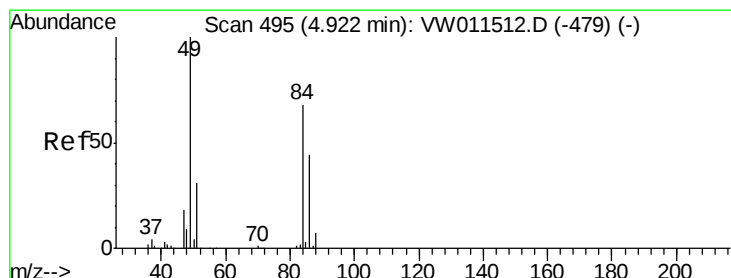
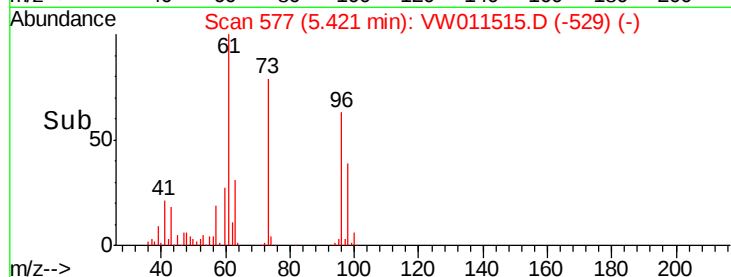
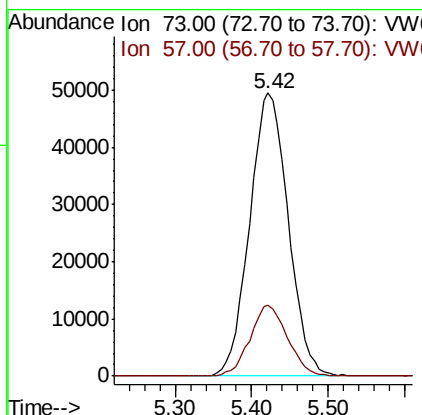
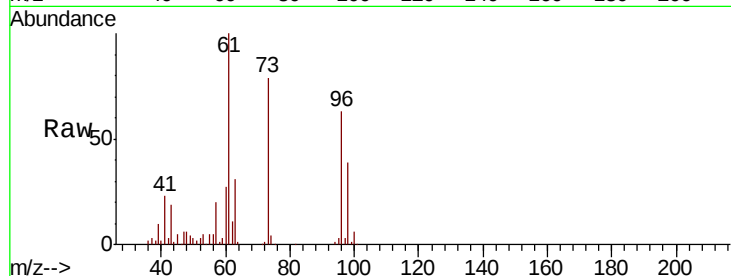




#19
Methyl tert-butyl Ether
Concen: 46.395 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

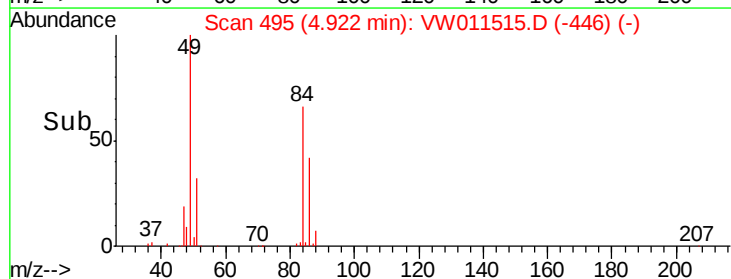
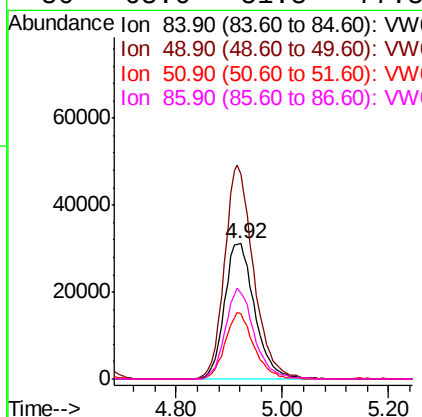
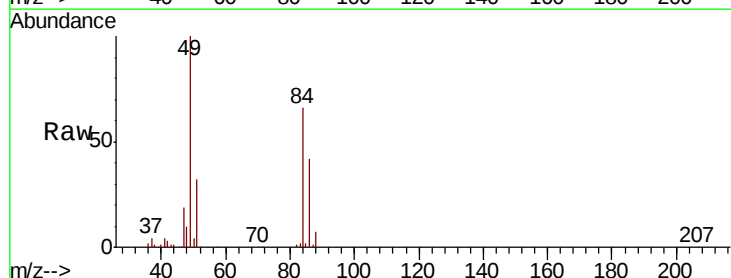
Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

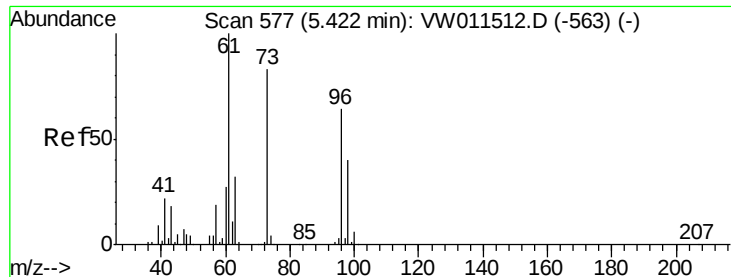
Tot Ion: 73 Resp: 173744
Ion Ratio Lower Upper
73 100
57 25.2 18.4 27.6



#20
Methylene Chloride
Concen: 43.266 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion: 84 Resp: 123503
Ion Ratio Lower Upper
84 100
49 151.6 117.8 176.6
51 48.0 37.0 55.4
86 63.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 46.240 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

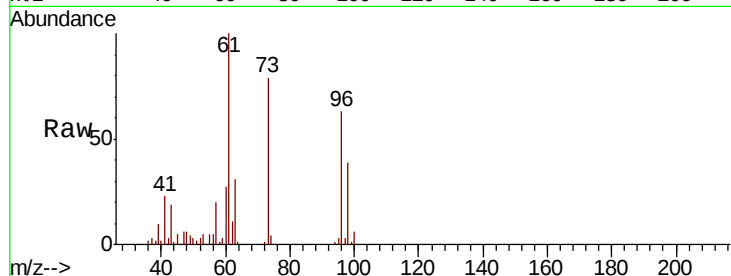
MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion: 96 Resp: 117647

Ion	Ratio	Lower	Upper
96	100		
61	158.2	125.7	188.5
98	62.2	50.3	75.5

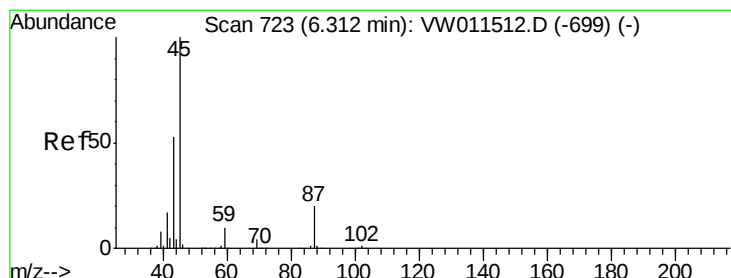
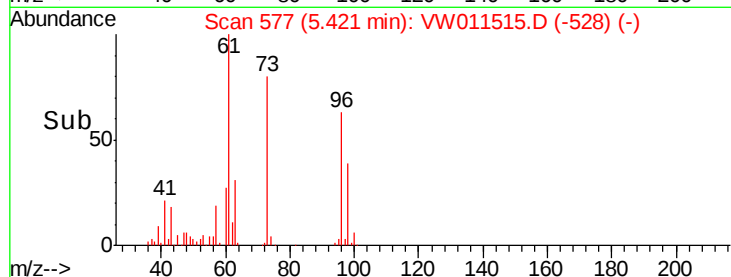
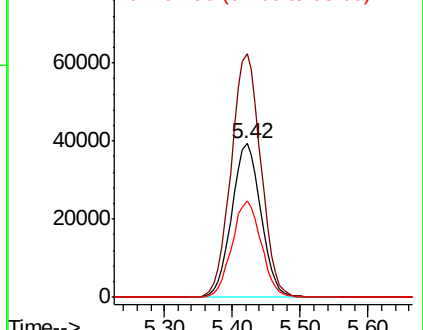


Abundance

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: 45.990 ug/l

RT: 6.31 min Scan# 722

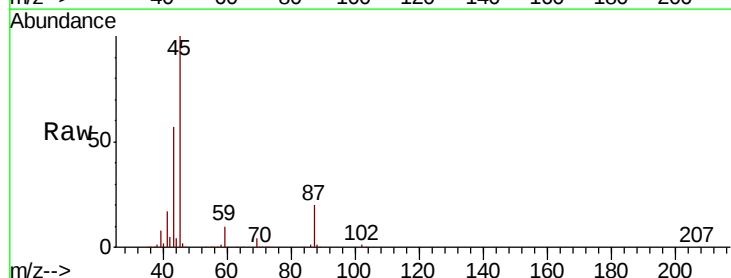
Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion: 45 Resp: 435217

Ion	Ratio	Lower	Upper
45	100		
43	56.6	42.6	63.8
87	20.2	16.4	24.6
59	10.0	8.2	12.2



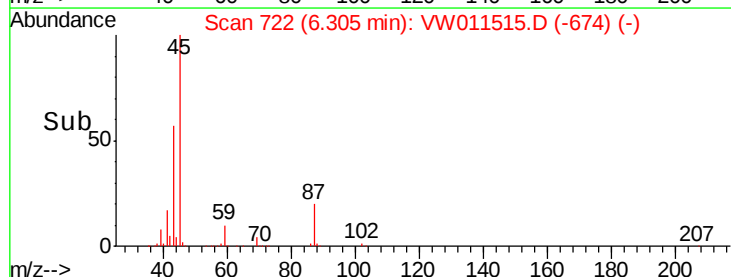
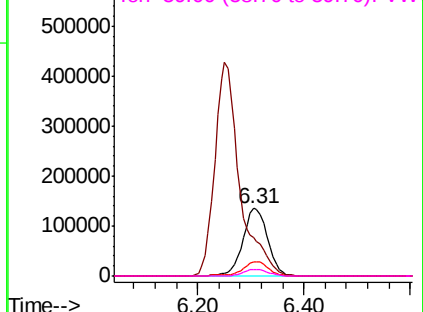
Abundance

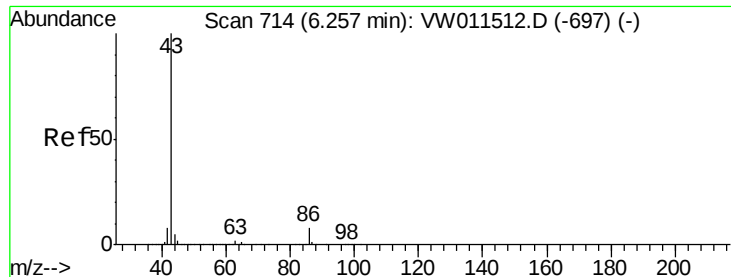
Ion 45.00 (44.70 to 45.70): VW

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: 234.563 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

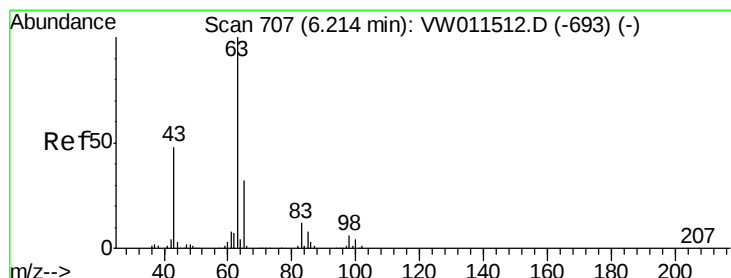
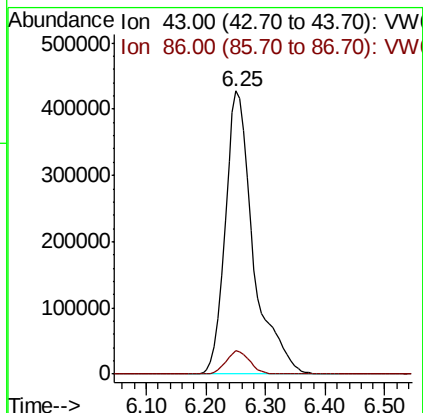
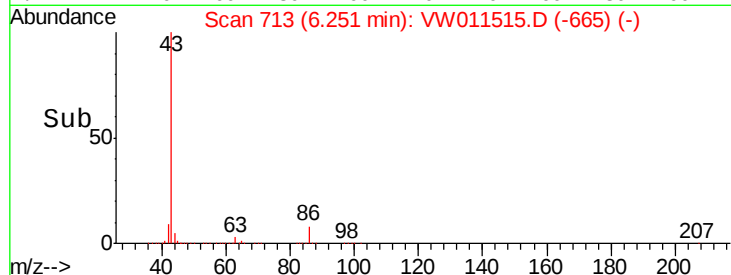
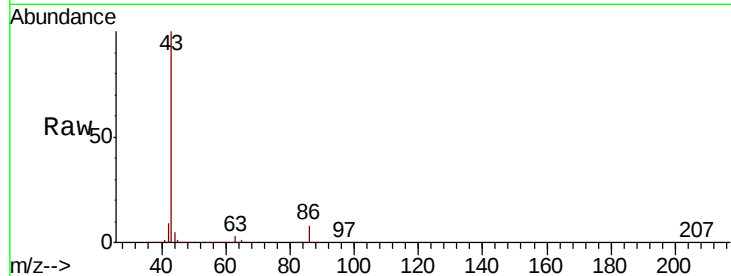
ICVW072719

Tot Ion: 43 Resp: 1394775

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



#24

1,1-Dichloroethane

Concen: 45.589 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

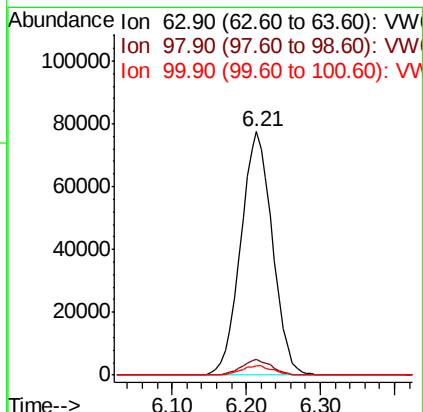
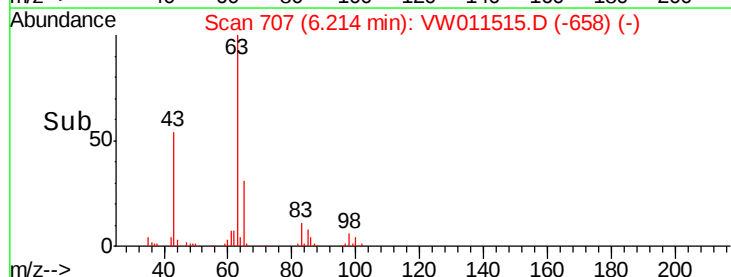
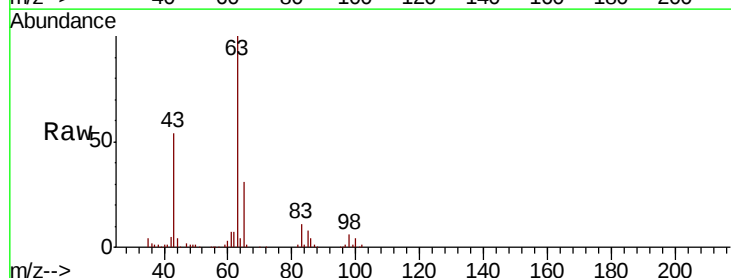
Tgt Ion: 63 Resp: 231052

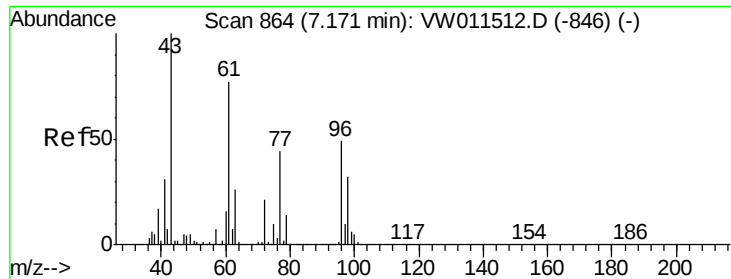
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 4.0 2.1 6.3





#25

2-Butanone

Concen: 226.820 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

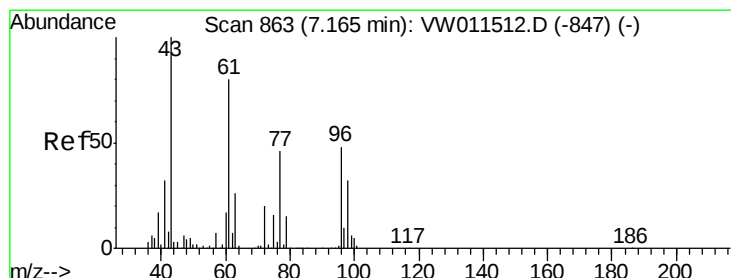
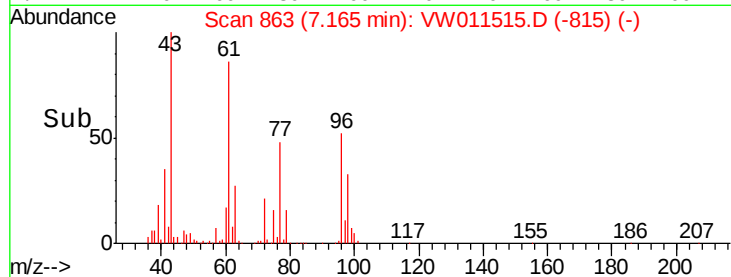
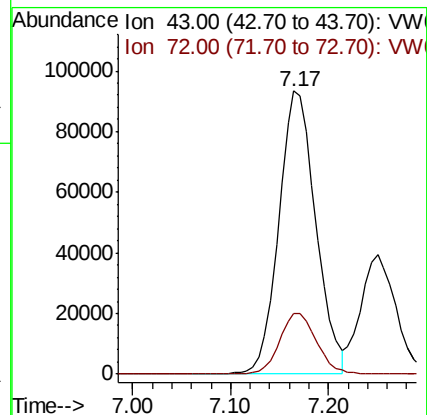
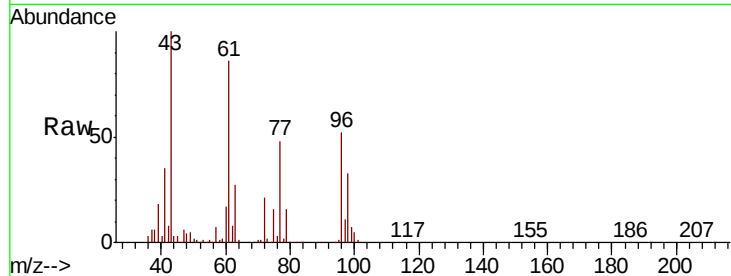
ICVW072719

Tot Ion: 43 Resp: 245656

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 42.987 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011515.D

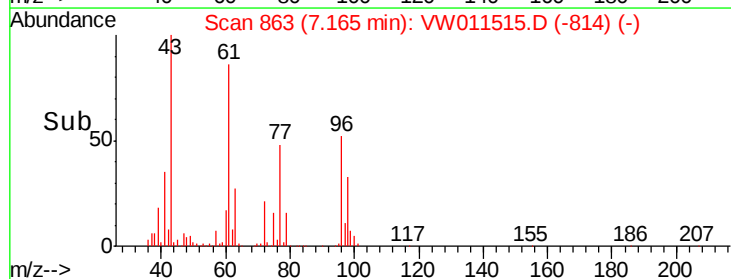
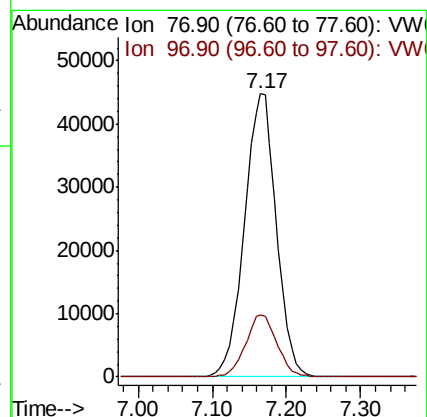
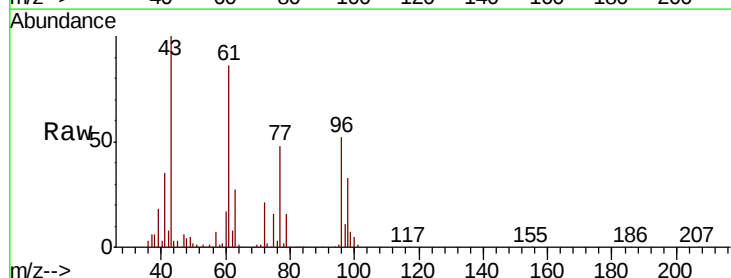
Acq: 26 Jul 2019 14:10

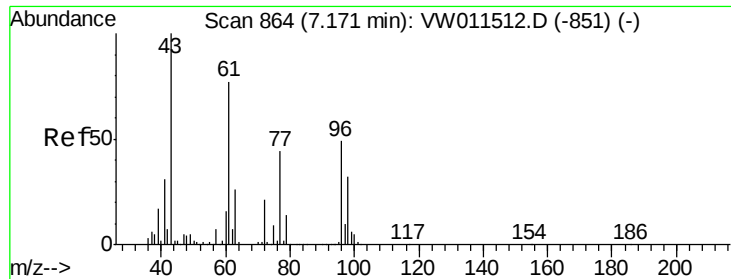
Tgt Ion: 77 Resp: 133985

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.4

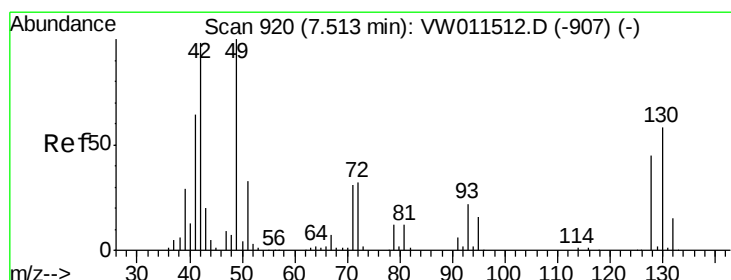
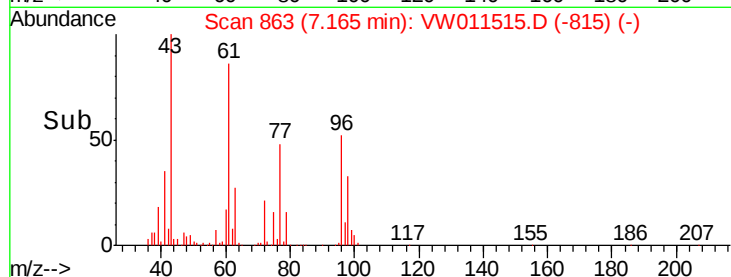
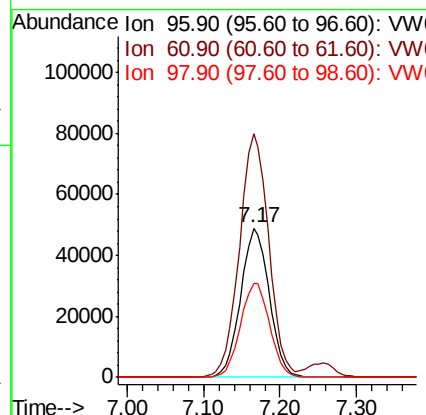
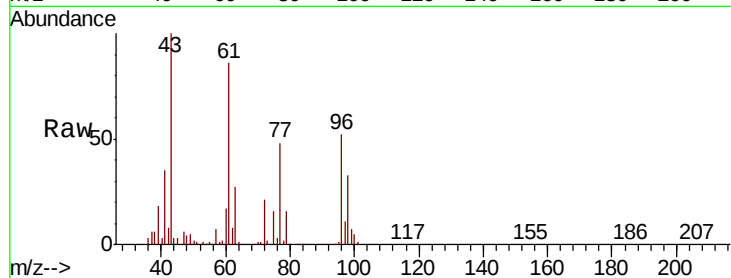




#27
 cis-1,2-Dichloroethene
 Concen: 45.296 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

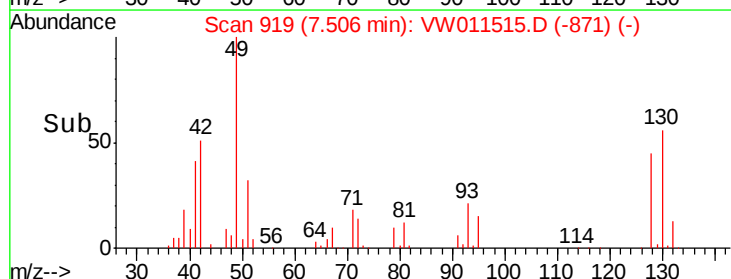
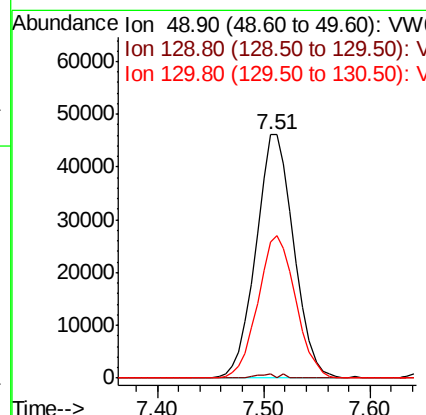
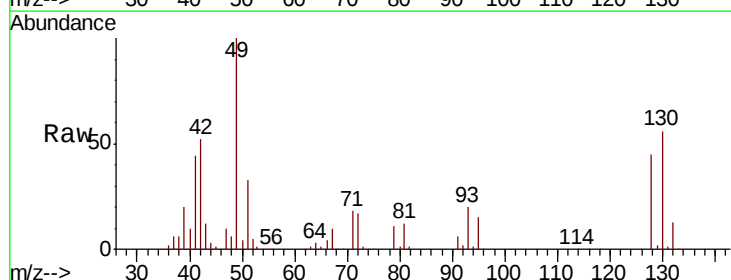
Instrument :
 MSVOA_W
 ClientSampleID :
 ICVVW072719

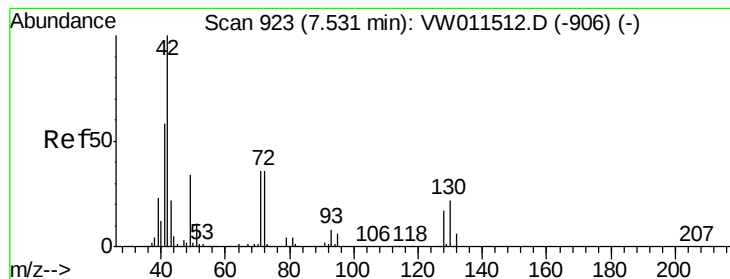
Tot Ion	96	Resp	126835
Ion Ratio	Lower	Upper	
96	100		
61	167.0	0.0	328.4
98	64.3	0.0	128.8



#28
 Bromochloromethane
 Concen: 51.185 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	49	Resp	115144
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	1.0#
130	58.2	46.3	69.5





#29

Tetrahydrofuran

Concen: 228.847 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

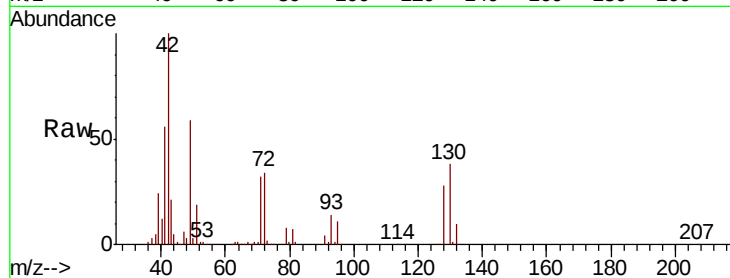
Tot Ion: 42 Resp: 141674

Ion Ratio Lower Upper

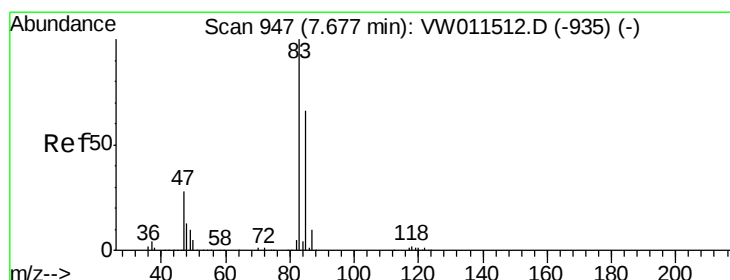
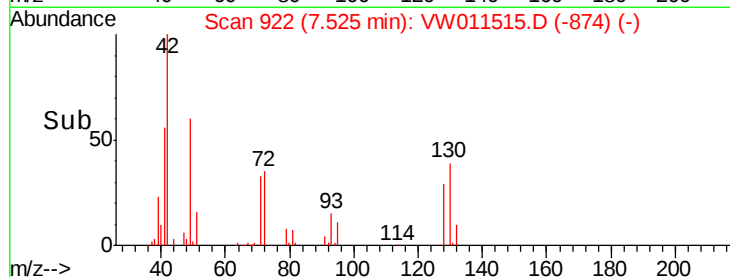
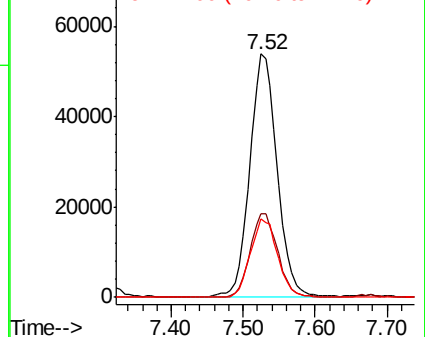
42 100

72 34.6 27.1 40.7

71 32.4 26.2 39.4



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



#30

Chloroform

Concen: 44.833 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW011515.D

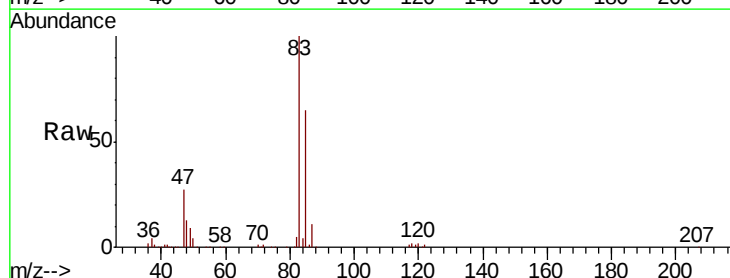
Acq: 26 Jul 2019 14:10

Tgt Ion: 83 Resp: 209628

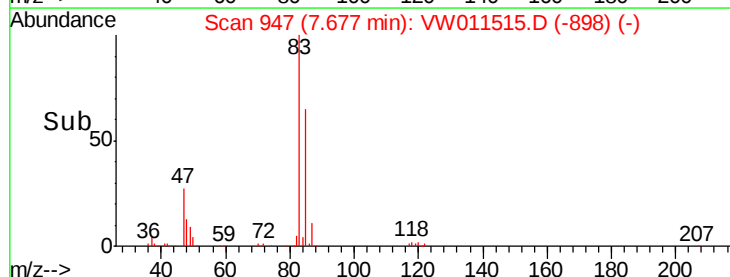
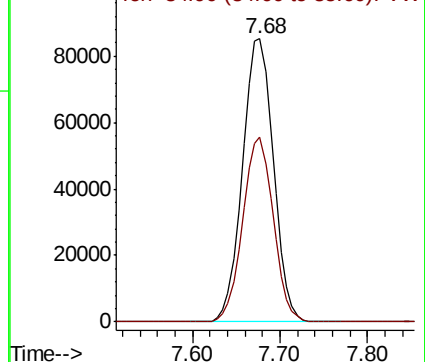
Ion Ratio Lower Upper

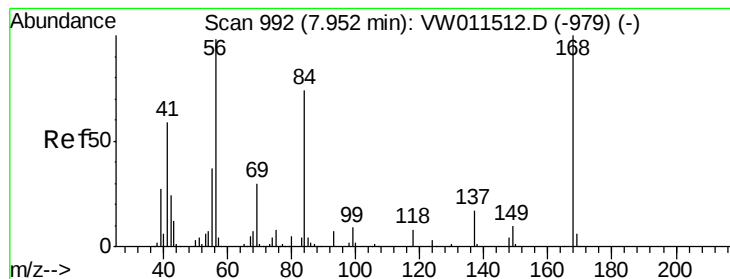
83 100

85 65.3 52.5 78.7



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





#31

Cyclohexane

Concen: 44.879 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

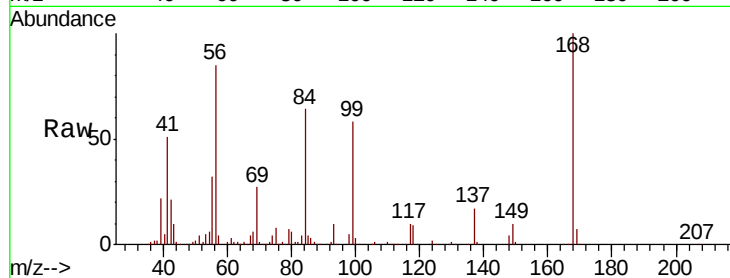
Tot Ion: 56 Resp: 218338

Ion Ratio Lower Upper

56 100

69 31.4 24.3 36.5

84 74.8 60.4 90.6

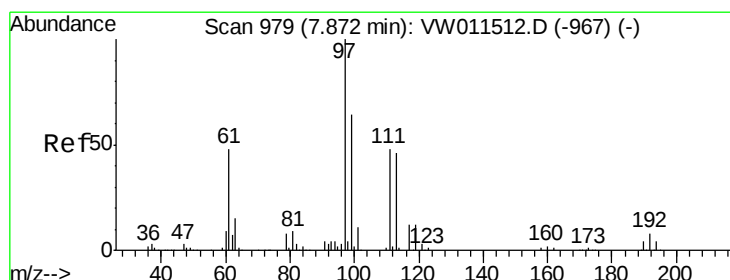
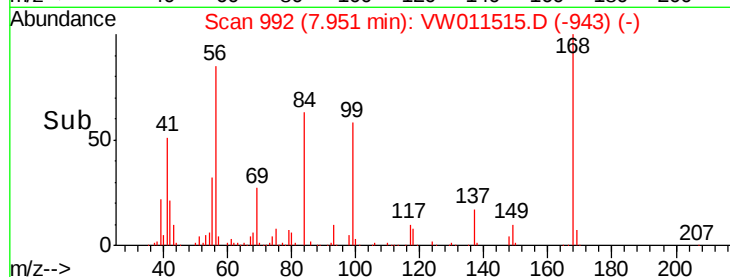
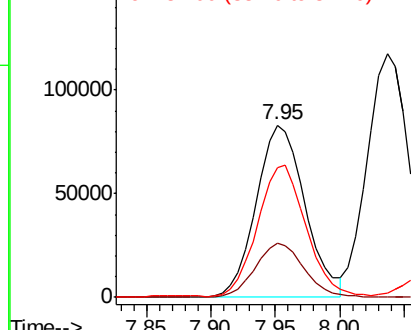


Abundance

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: 46.105 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

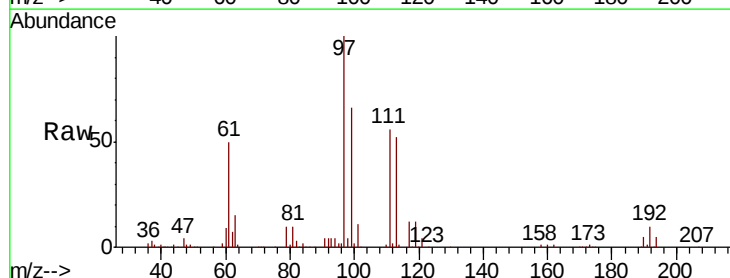
Tgt Ion: 97 Resp: 164174

Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 49.0 39.8 59.6

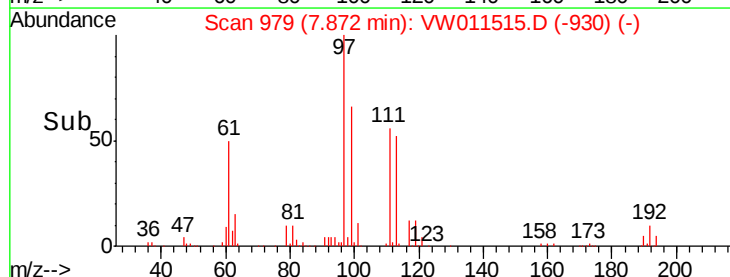
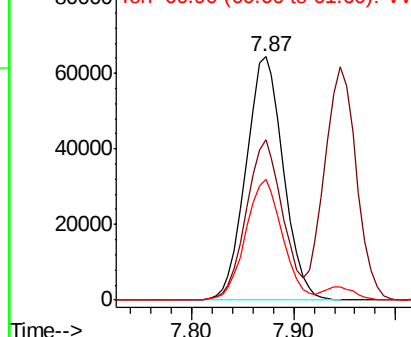


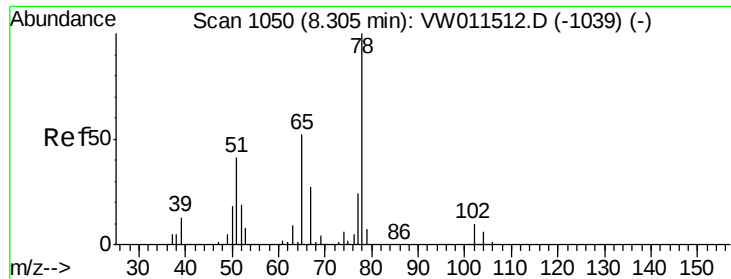
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

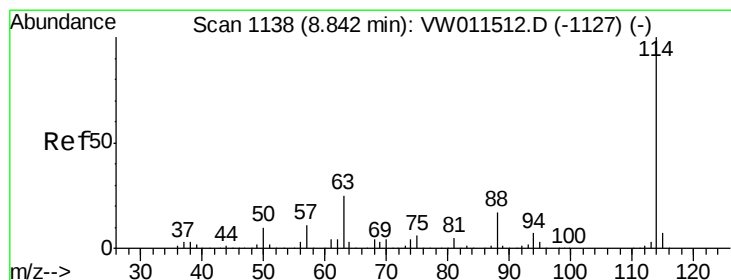
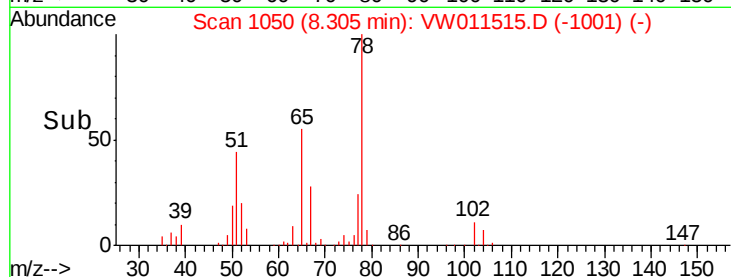
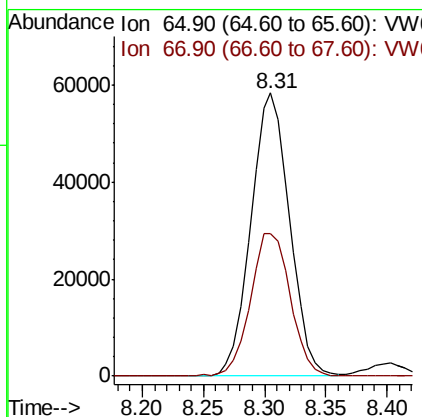
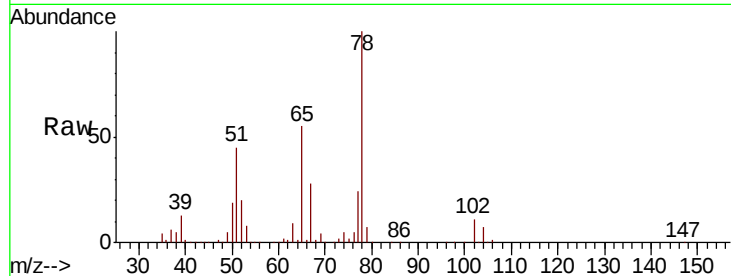




#33
 1,2-Dichloroethane-d4
 Concen: 49.222 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

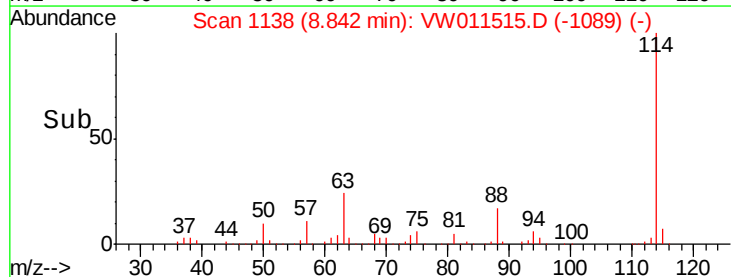
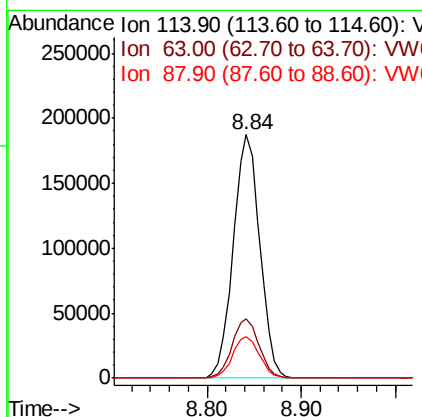
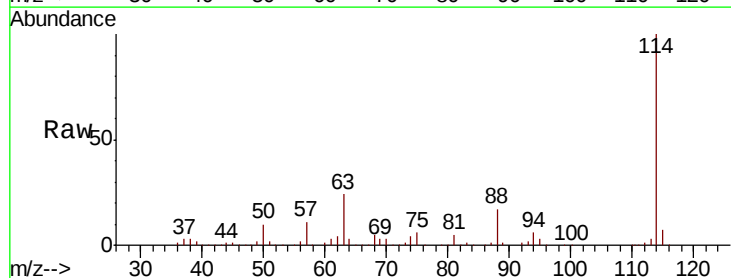
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

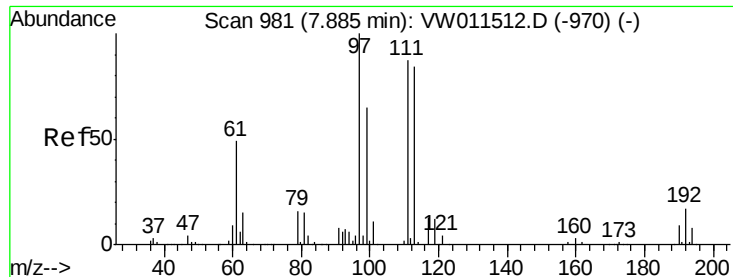
Tot Ion: 65 Resp: 128073
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion: 114 Resp: 366225
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 16.8 0.0 33.8

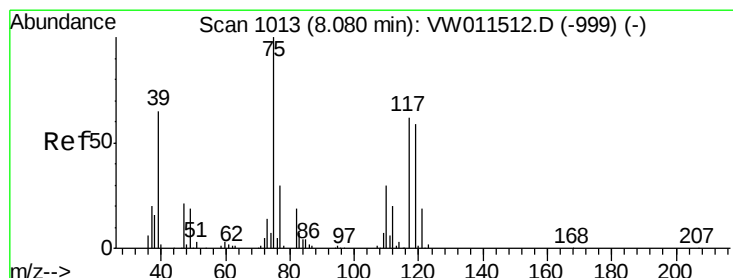
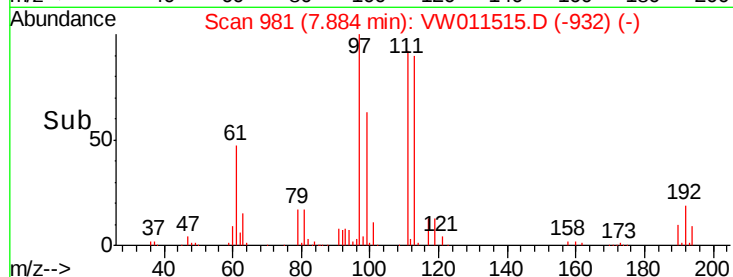
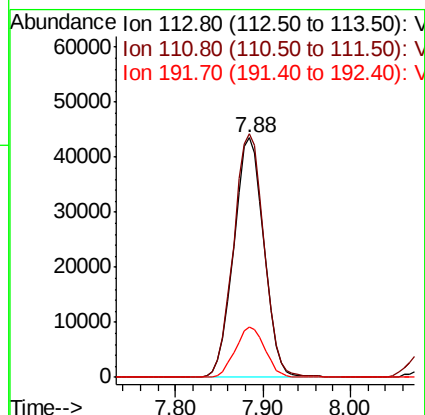
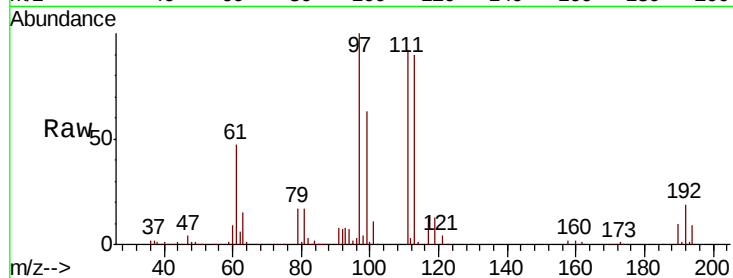




#35
 Dibromofluoromethane
 Concen: 50.858 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

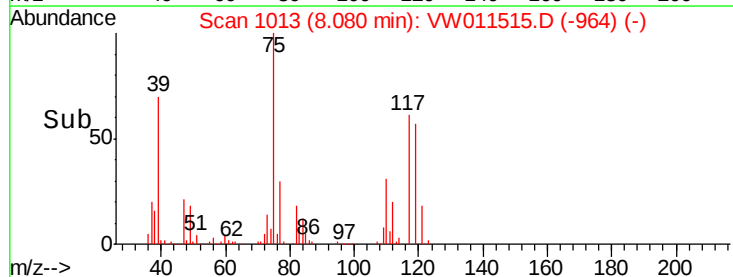
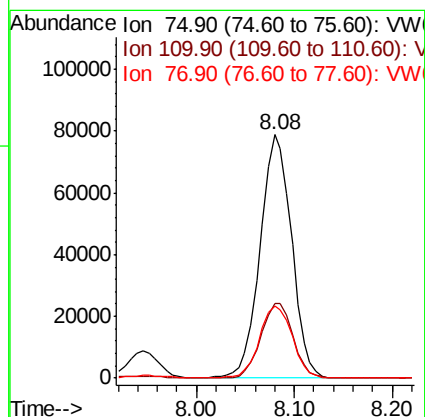
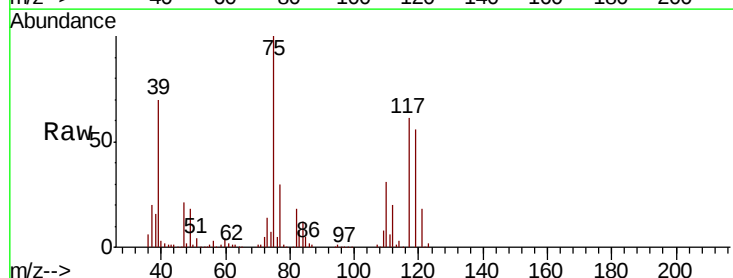
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

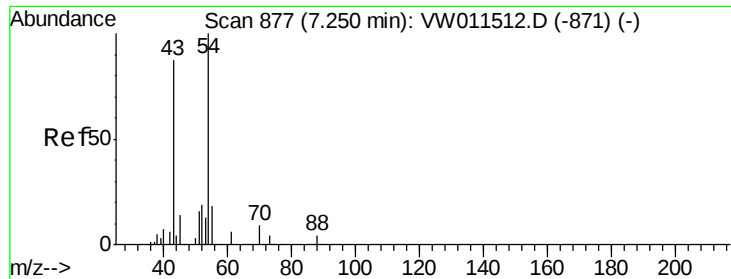
Tot Ion:113 Resp: 104493
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.7 124.1
 192 20.5 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 46.077 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion: 75 Resp: 175464
 Ion Ratio Lower Upper
 75 100
 110 31.6 15.6 46.8
 77 31.1 24.3 36.5

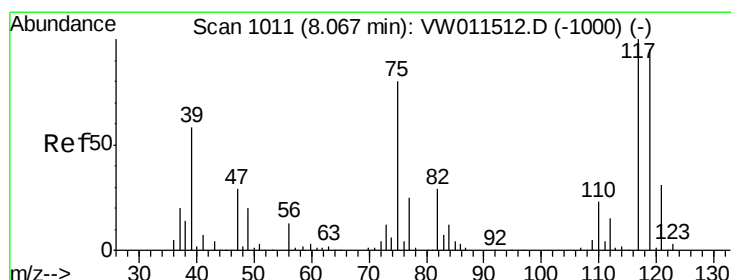
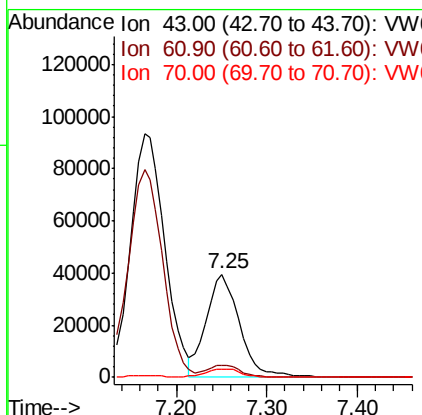
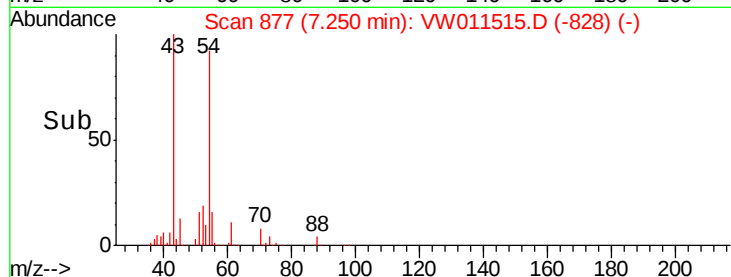
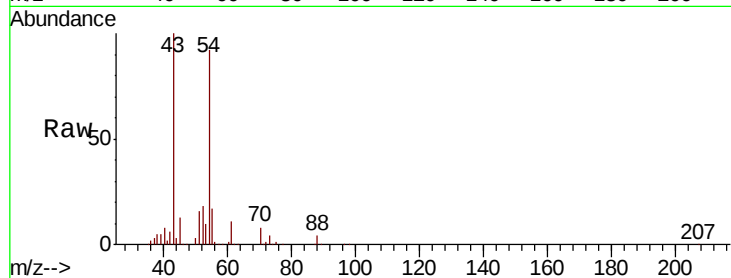




#37
Ethyl Acetate
Concen: 45.919 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

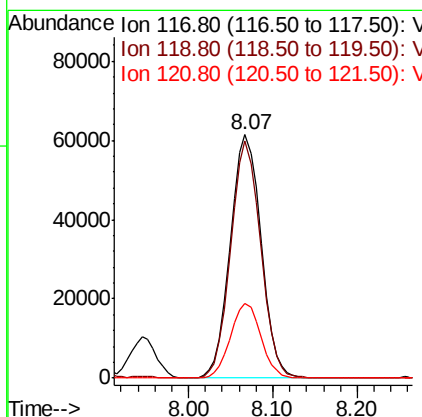
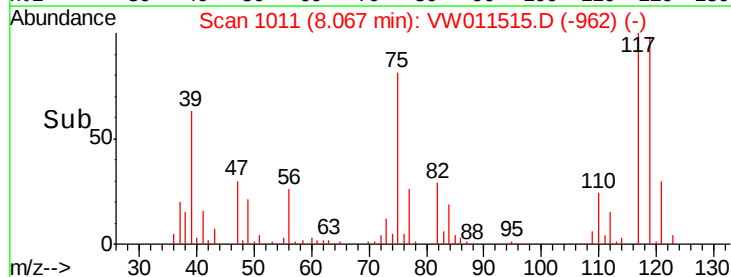
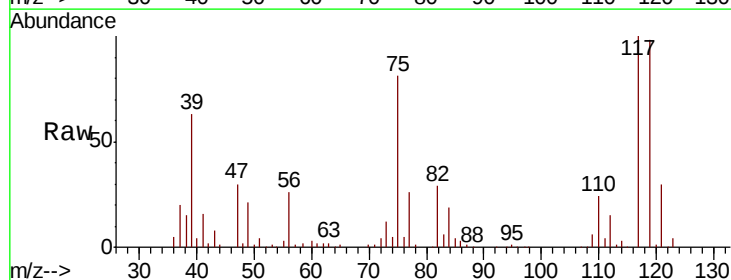
Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

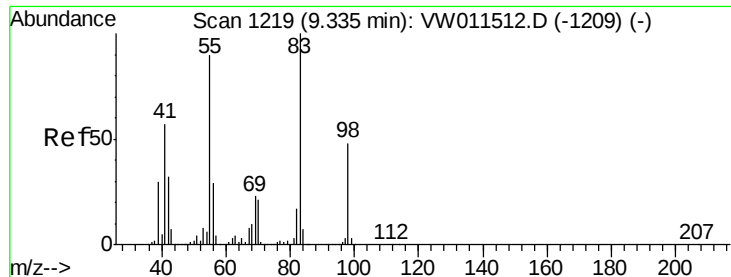
Tot Ion: 43 Resp: 100604
Ion Ratio Lower Upper
43 100
61 12.3 8.8 13.2
70 8.8 7.1 10.7



#38
Carbon Tetrachloride
Concen: 46.579 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion: 117 Resp: 151847
Ion Ratio Lower Upper
117 100
119 97.6 75.8 113.6
121 30.5 24.7 37.1

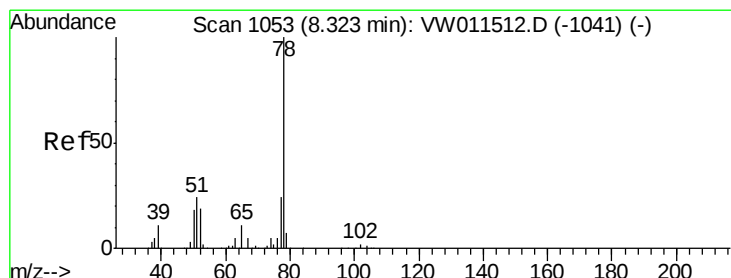
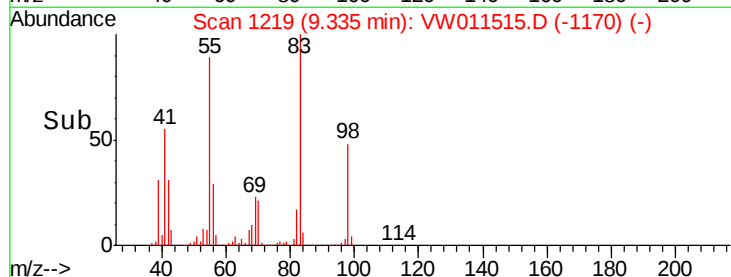
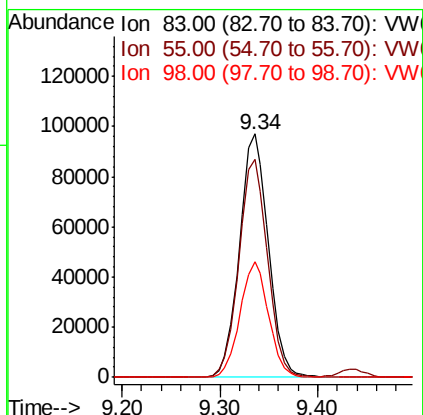
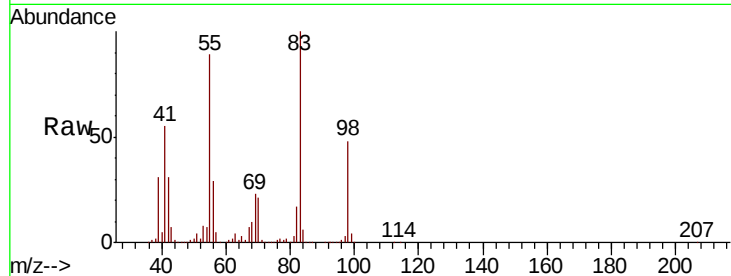




#39
Methvlcvclohexane
Concen: 47.476 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

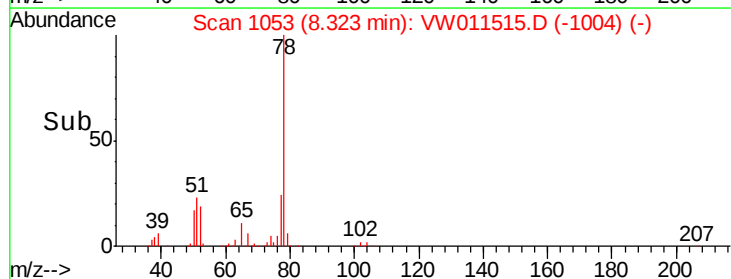
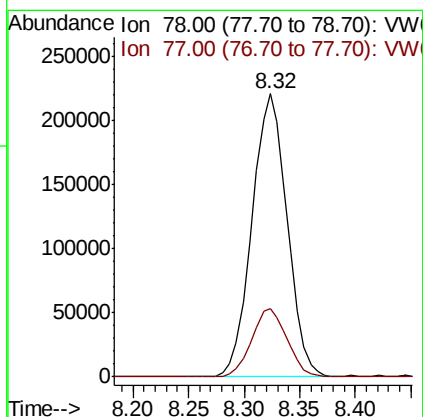
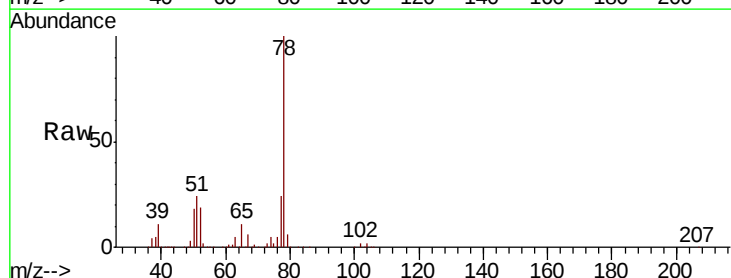
Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

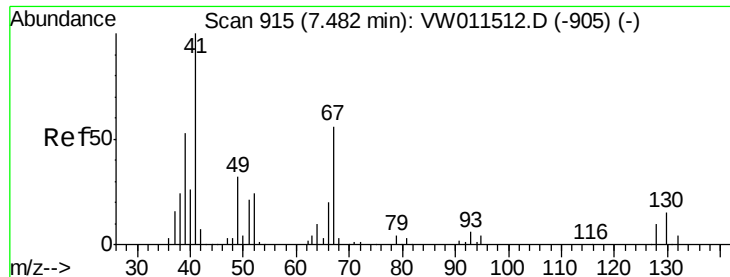
Tot Ion: 83 Resp: 199074
Ion Ratio Lower Upper
83 100
55 89.3 72.1 108.1
98 47.7 38.6 57.8



#40
Benzene
Concen: 45.528 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion: 78 Resp: 485635
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0





#41

Methacrylonitrile

Concen: 45.598 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion: 41 Resp: 59718

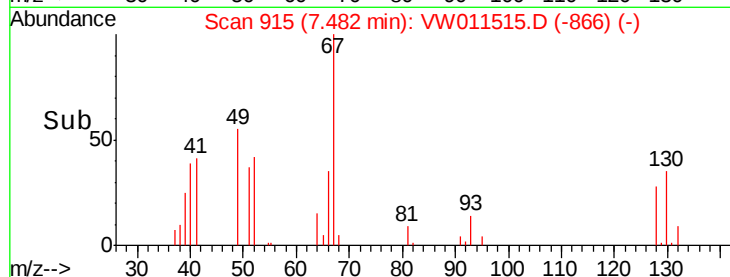
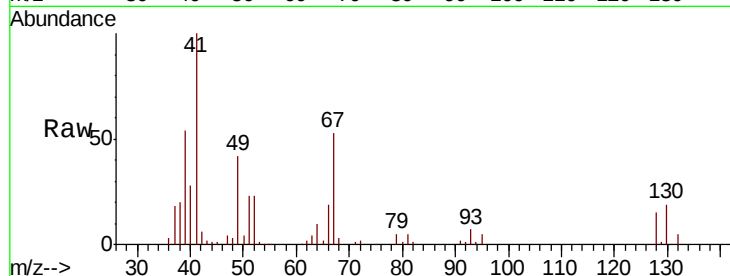
Ion Ratio Lower Upper

41 100

39 59.6 43.0 64.4

67 56.6 47.5 71.3

52 26.1 21.0 31.6

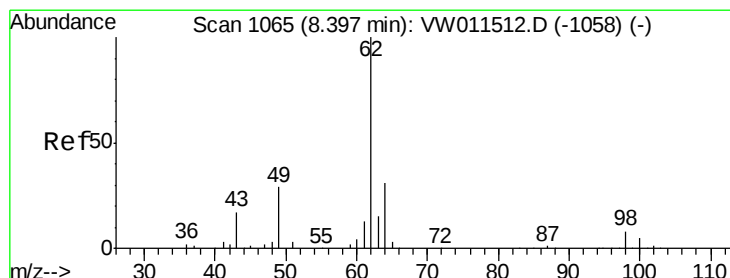
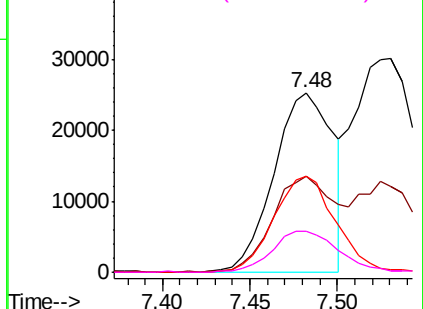


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 45.812 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011515.D

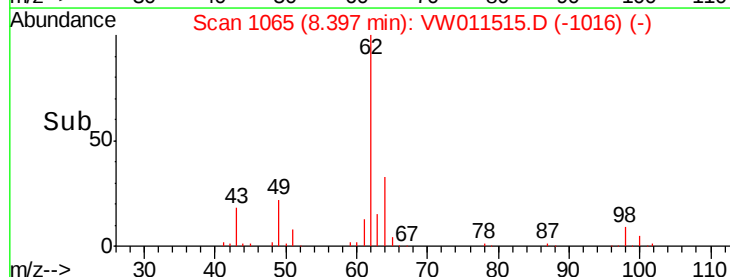
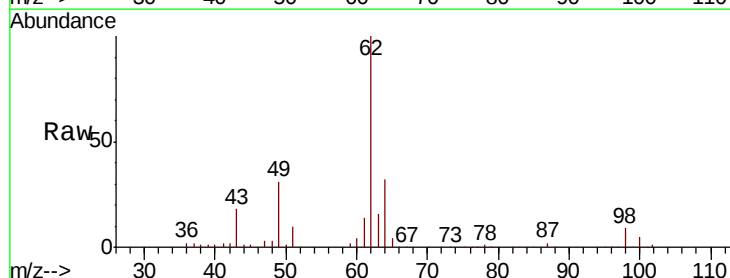
Acq: 26 Jul 2019 14:10

Tgt Ion: 62 Resp: 152991

Ion Ratio Lower Upper

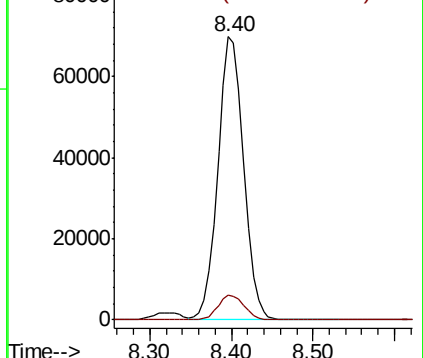
62 100

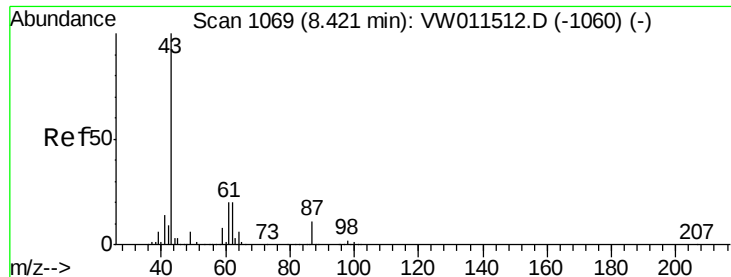
98 8.9 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 46.464 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

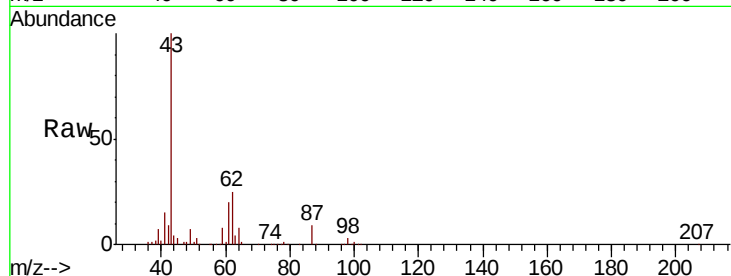
Tot Ion: 43 Resp: 187215

Ion Ratio Lower Upper

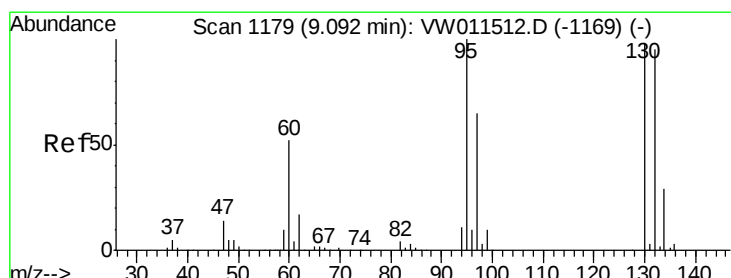
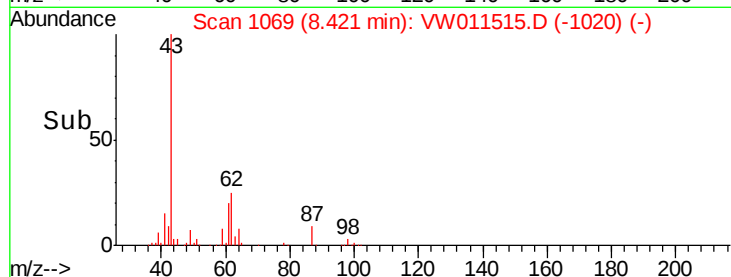
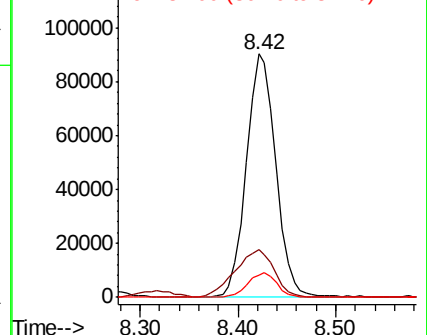
43 100

61 25.9 21.5 32.3

87 10.2 8.4 12.6



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



#44

Trichloroethene

Concen: 46.639 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011515.D

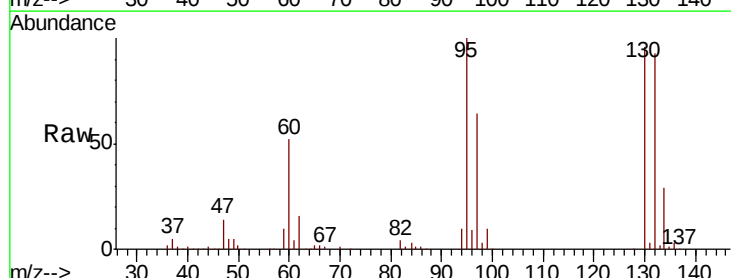
Acq: 26 Jul 2019 14:10

Tgt Ion: 130 Resp: 119569

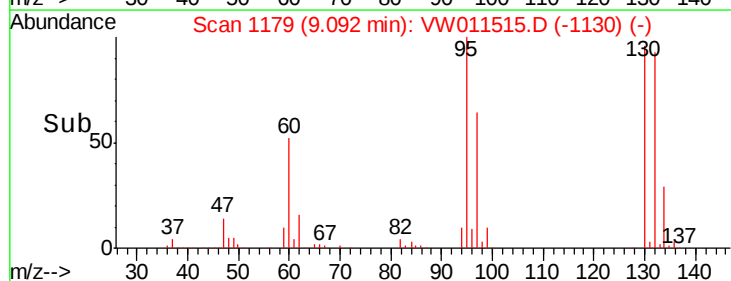
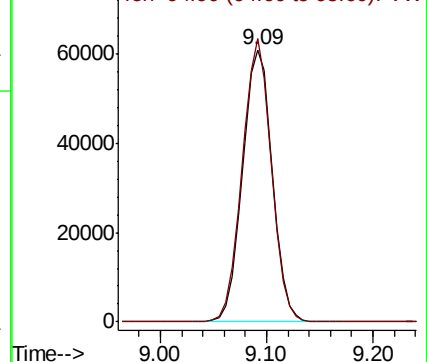
Ion Ratio Lower Upper

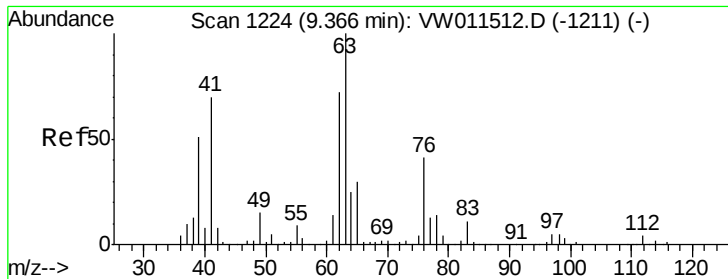
130 100

95 104.0 0.0 204.8



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





#45

1,2-Dichloropropane

Concen: 46.020 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

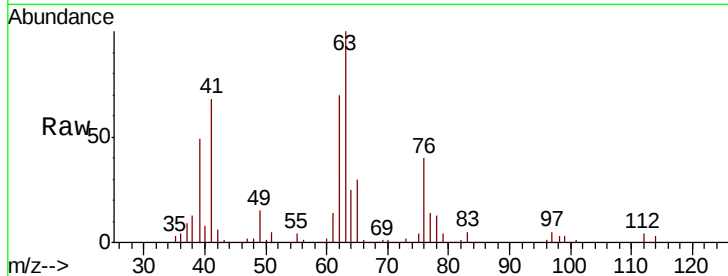
ICVW072719

Tot Ion: 63 Resp: 131342

Ion Ratio Lower Upper

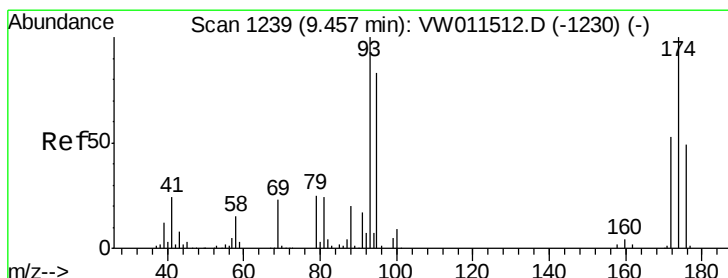
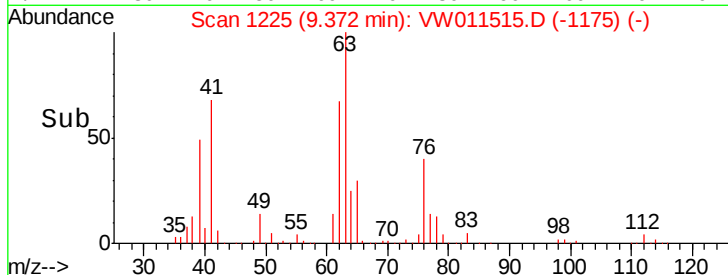
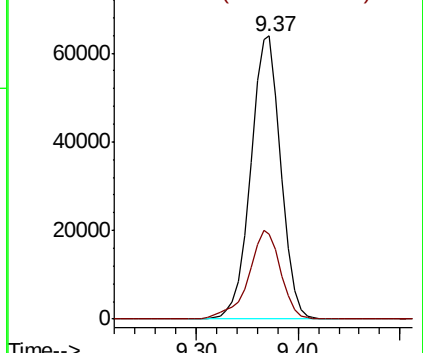
63 100

65 30.1 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 46.045 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

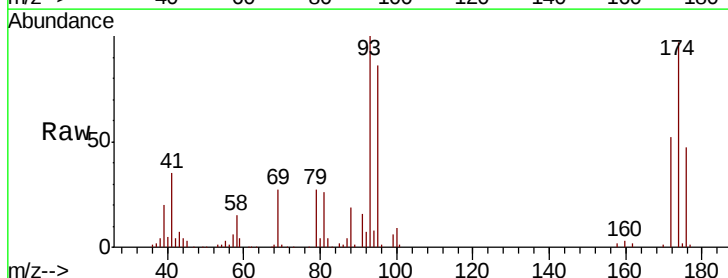
Tgt Ion: 93 Resp: 59980

Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.2

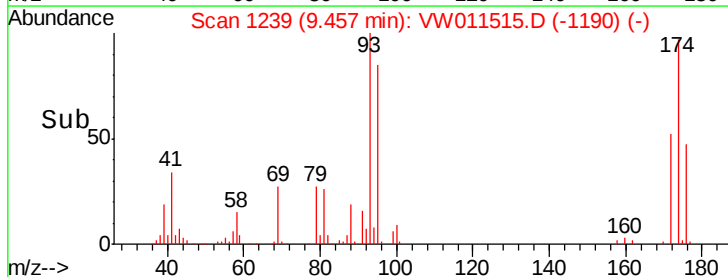
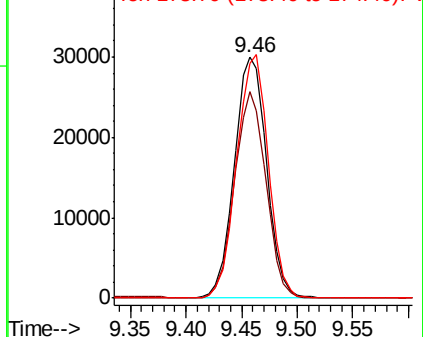
174 99.5 78.2 117.4

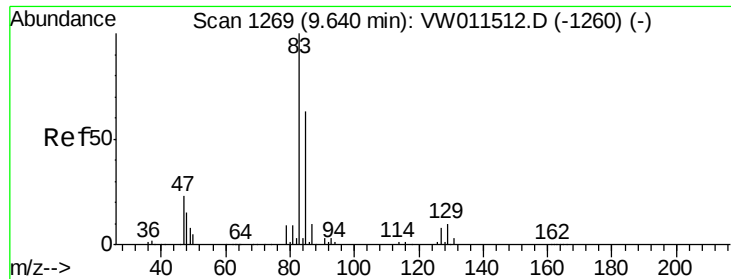


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

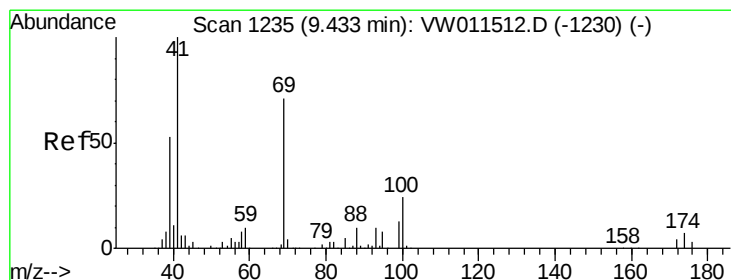
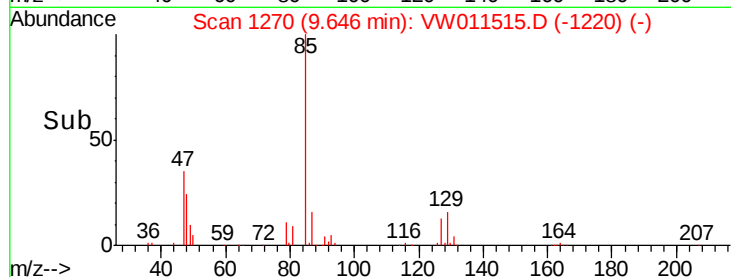
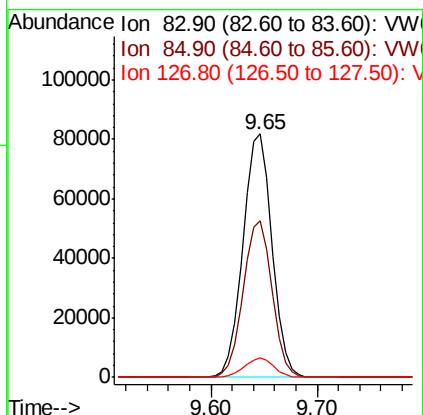
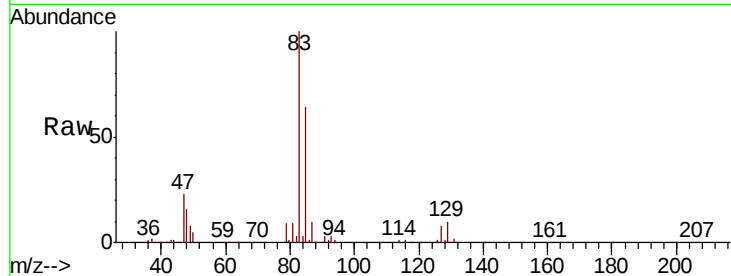




#47
 Bromodichloromethane
 Concen: 45.913 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

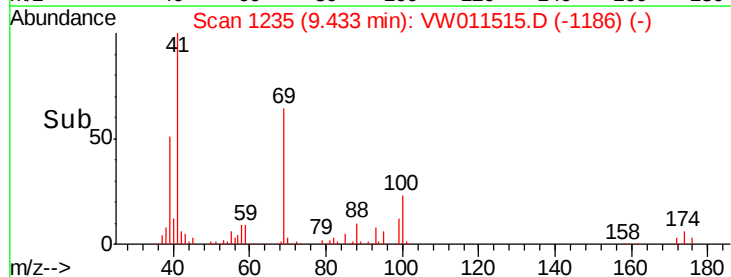
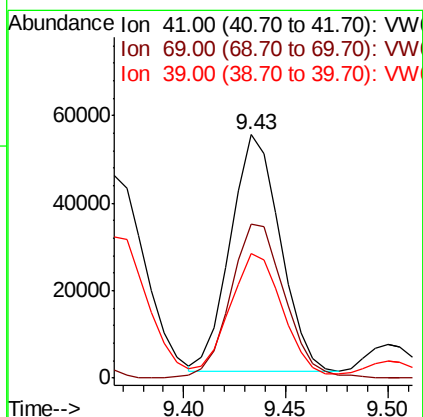
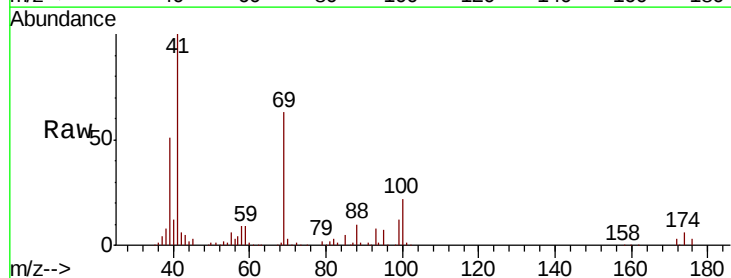
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

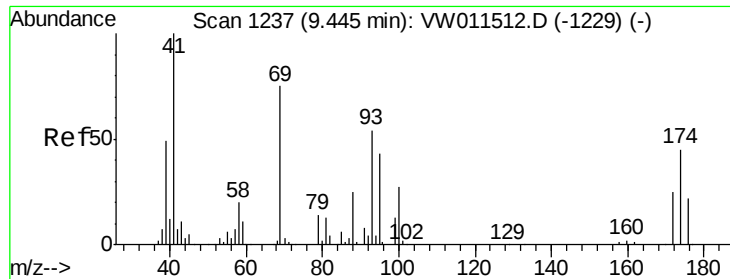
Tot Ion: 83 Resp: 156885
 Ion Ratio Lower Upper
 83 100
 85 64.2 50.5 75.7
 127 8.2 6.4 9.6



#48
 Methyl methacrylate
 Concen: 47.377 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion: 41 Resp: 91697
 Ion Ratio Lower Upper
 41 100
 69 70.6 57.1 85.7
 39 56.7 45.4 68.2

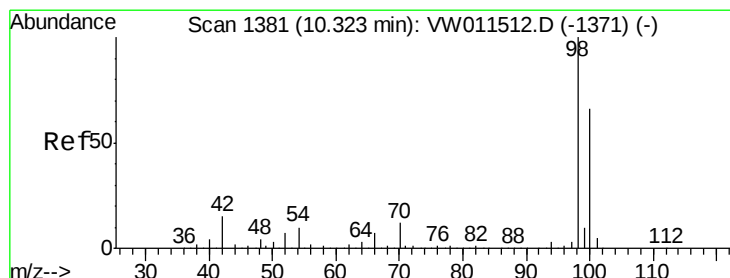
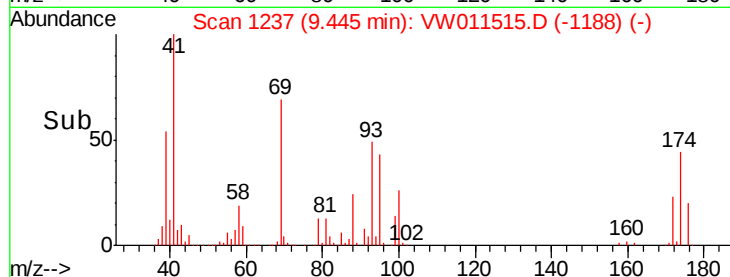
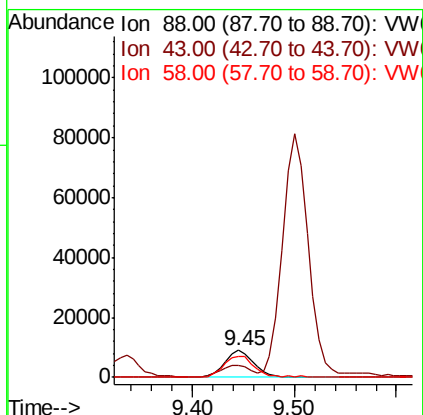
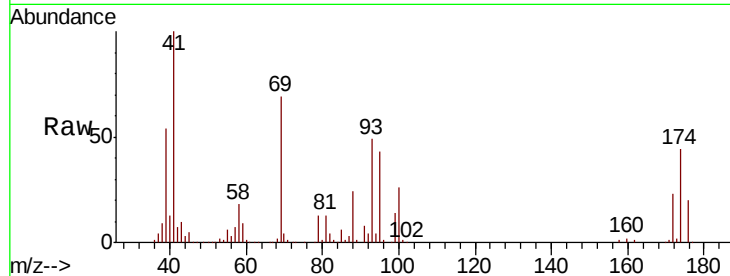




#49
 1,4-Dioxane
 Concen: 941.186 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

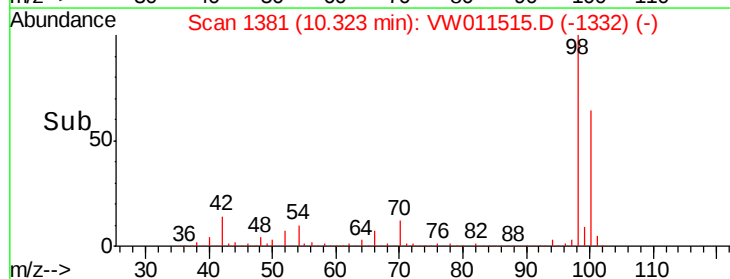
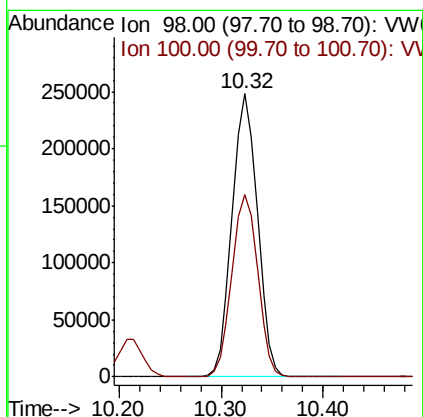
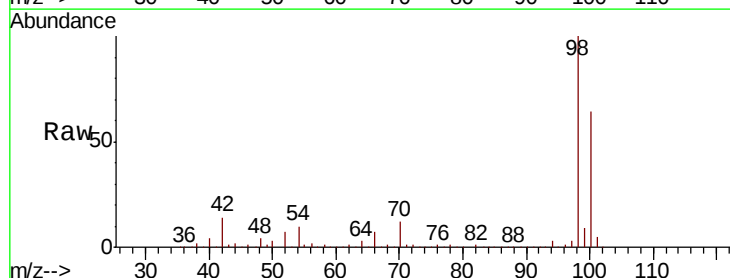
Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW072719

Tot Ion: 88 Resp: 17752
 Ion Ratio Lower Upper
 88 100
 43 43.4 34.0 51.0
 58 83.5 69.7 104.5



#50
 Toluene-d8
 Concen: 50.901 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion: 98 Resp: 428181
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 232.659 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

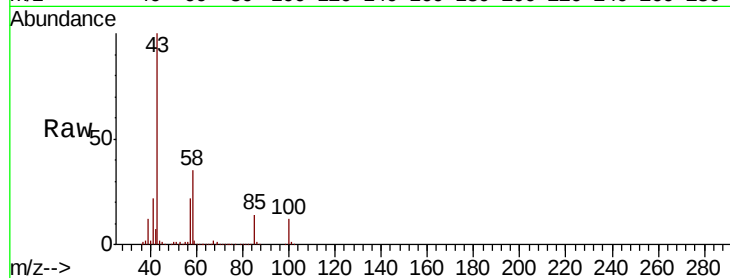
ICVW072719

Tot Ion: 43 Resp: 487604

Ion Ratio Lower Upper

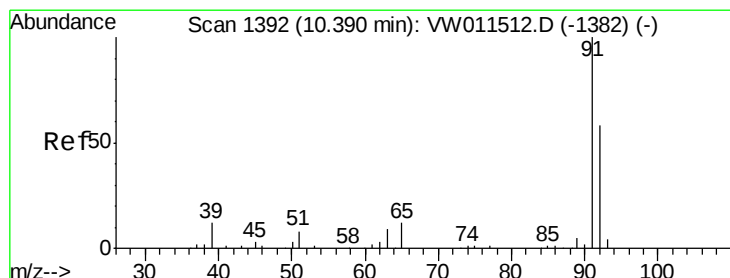
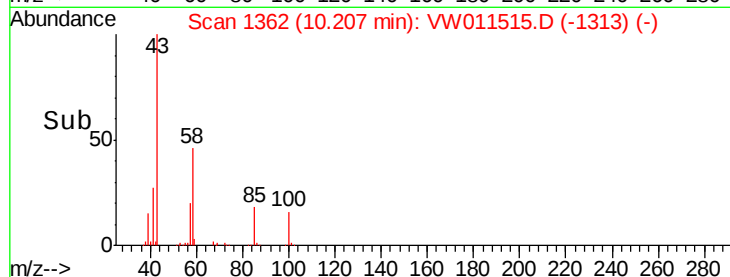
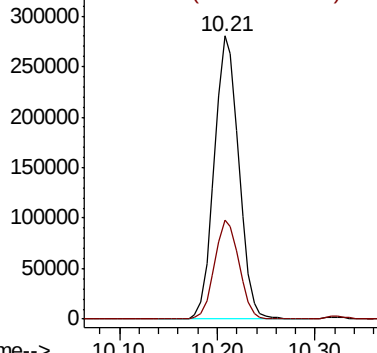
43 100

58 35.1 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 46.613 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011515.D

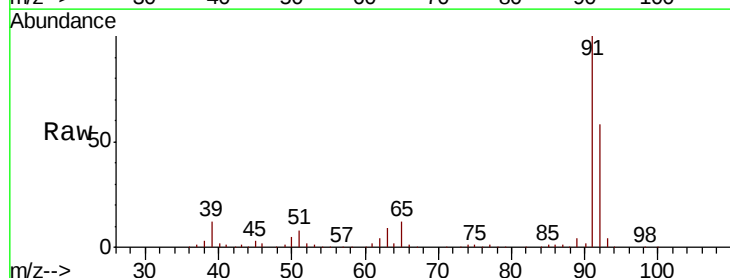
Acq: 26 Jul 2019 14:10

Tgt Ion: 92 Resp: 300263

Ion Ratio Lower Upper

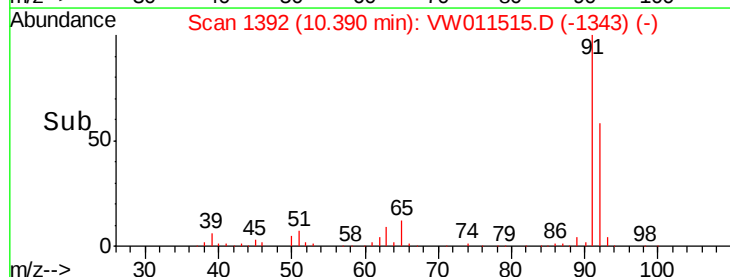
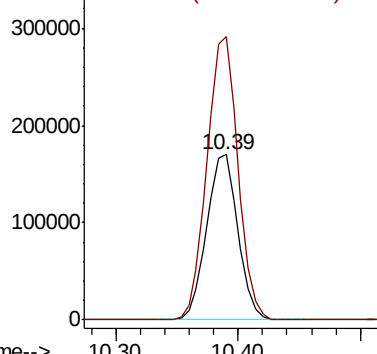
92 100

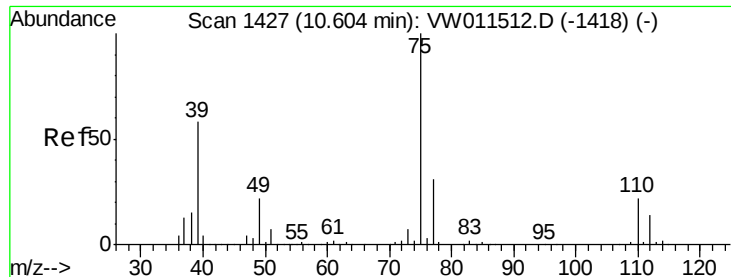
91 170.4 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 46.930 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampled :

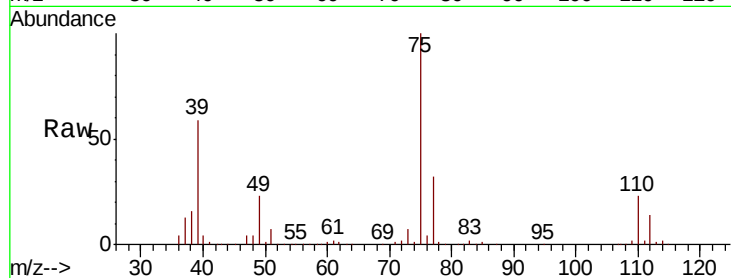
ICVW072719

Tot Ion: 75 Resp: 167512

Ion Ratio Lower Upper

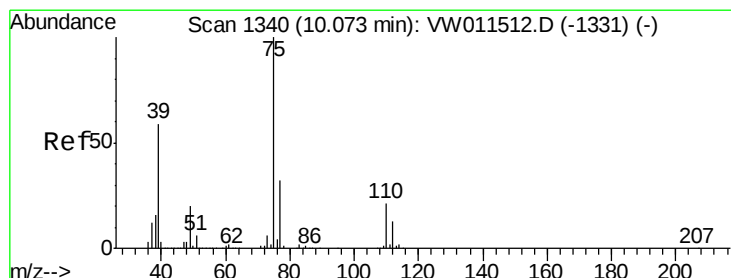
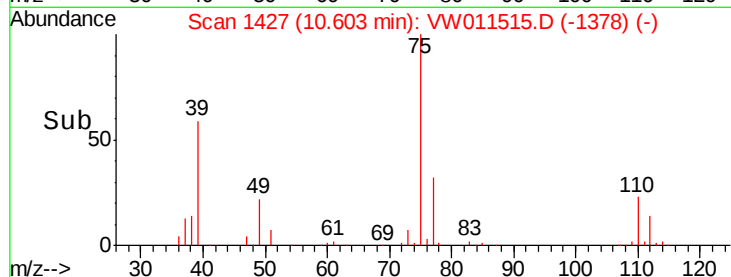
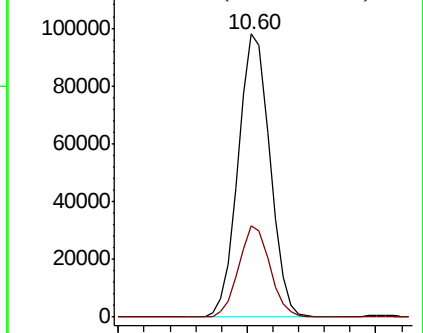
75 100

77 32.4 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 47.012 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

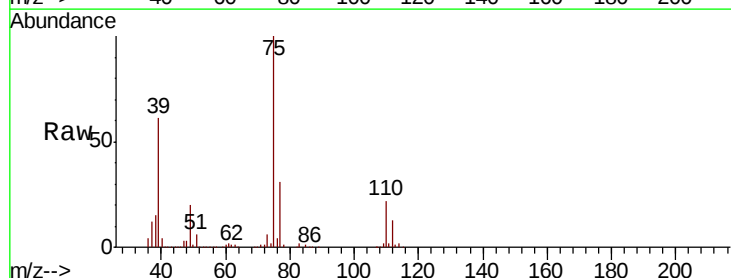
Tgt Ion: 75 Resp: 199520

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

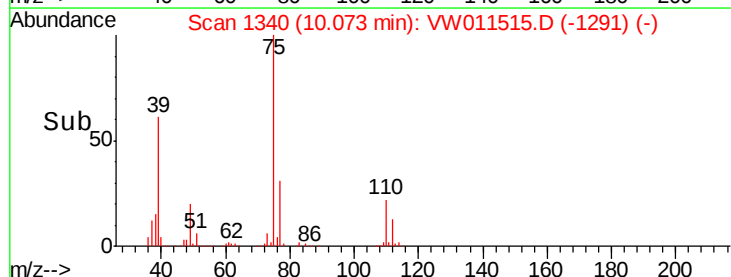
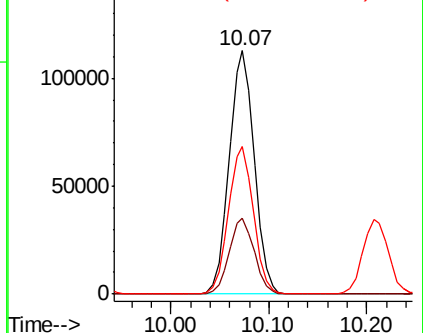
39 60.8 47.0 70.4

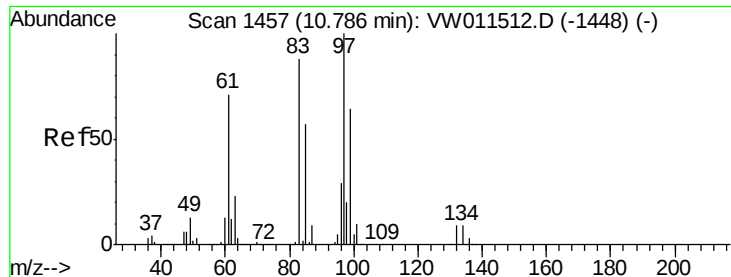


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

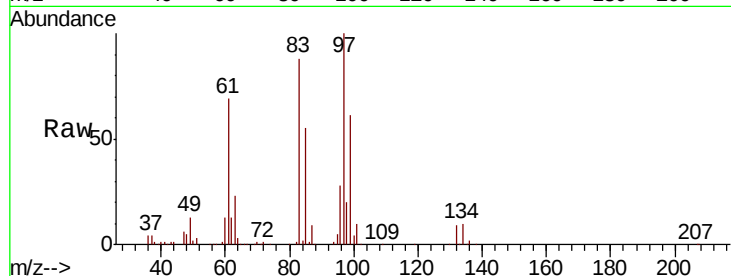




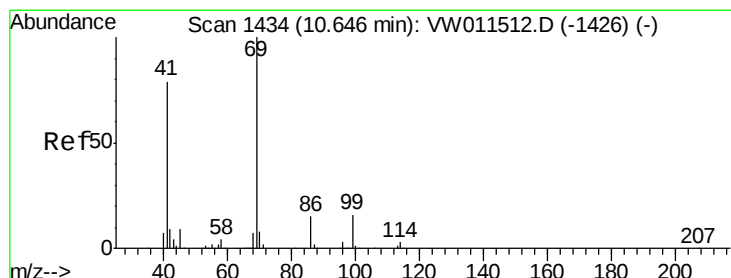
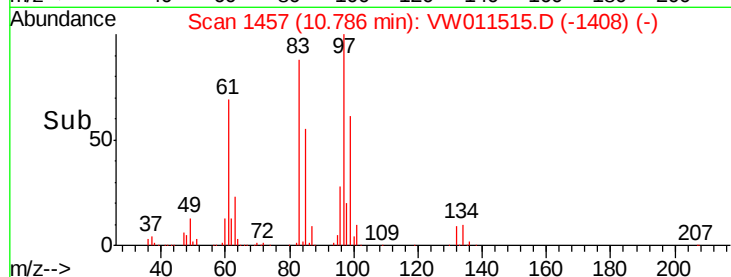
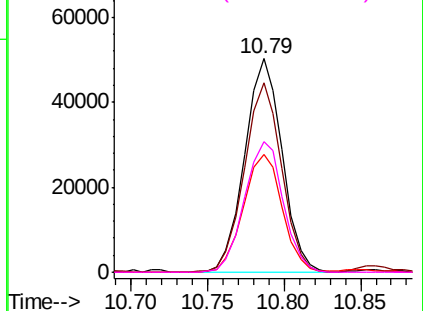
#55
 1,1,2-Trichloroethane
 Concen: 46.105 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion:	97	Resp:	85213
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.5	105.7
85	54.9	45.8	68.6
99	61.2	51.0	76.4

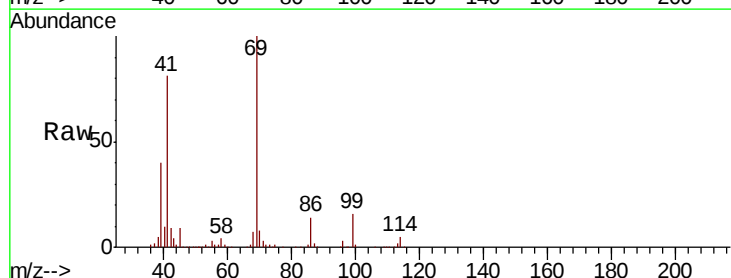


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

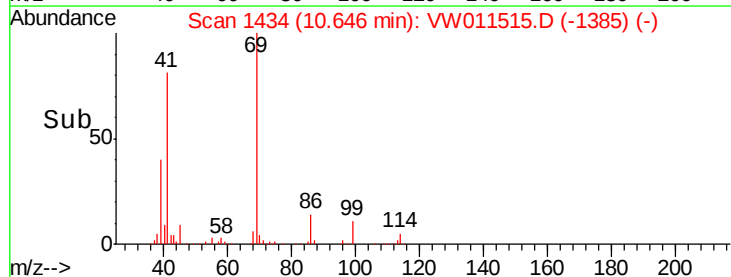
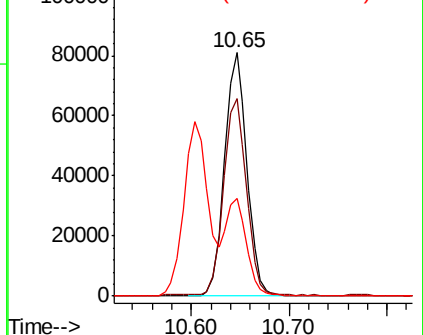


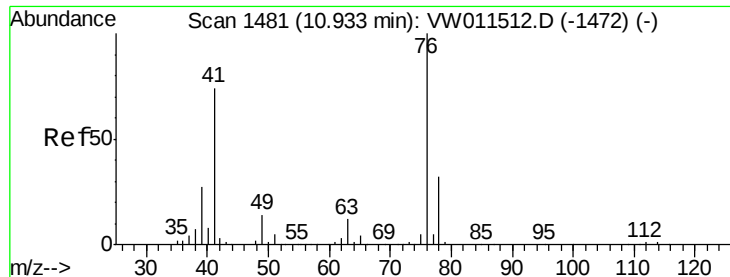
#56
 Ethyl methacrylate
 Concen: 47.640 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion:	69	Resp:	128845
Ion	Ratio	Lower	Upper
69	100		
41	81.6	66.6	99.8
39	37.1	30.3	45.5



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

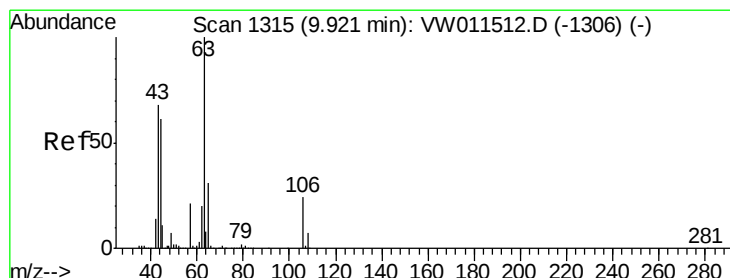
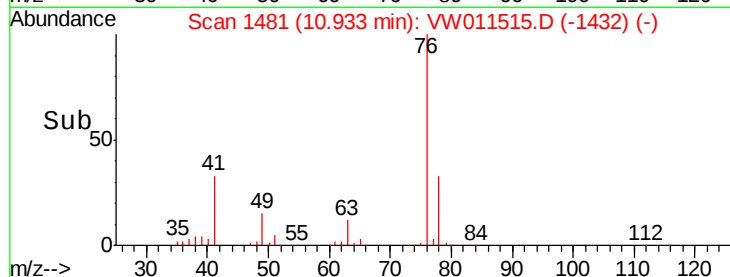
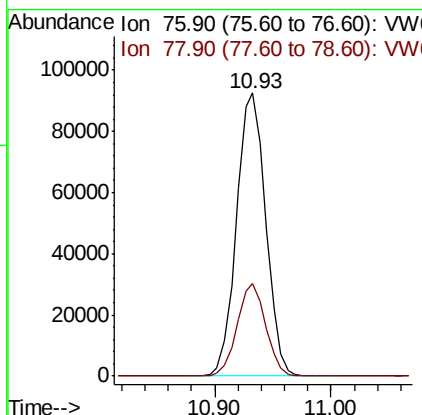
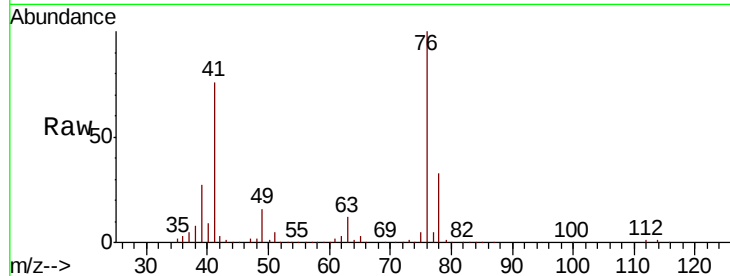




#57
 1,3-Dichloropropane
 Concen: 46.255 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

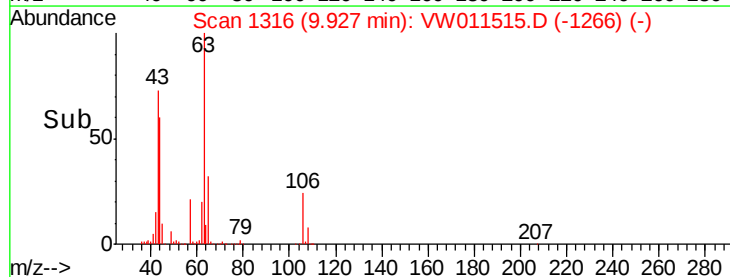
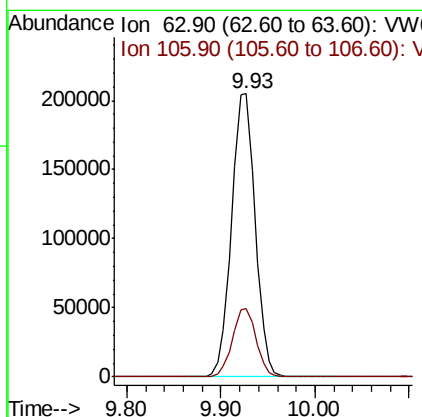
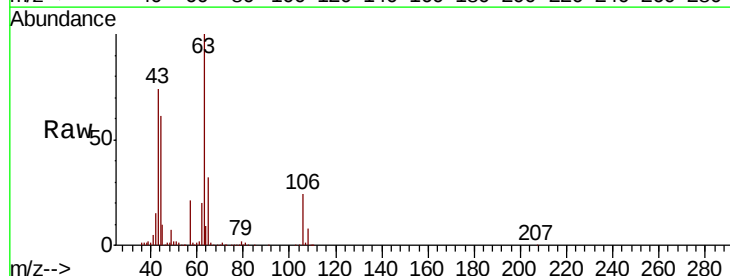
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

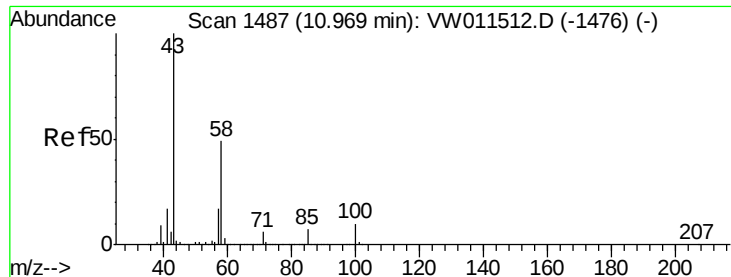
Tot Ion: 76 Resp: 161738
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 291.096 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion: 63 Resp: 357461
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5

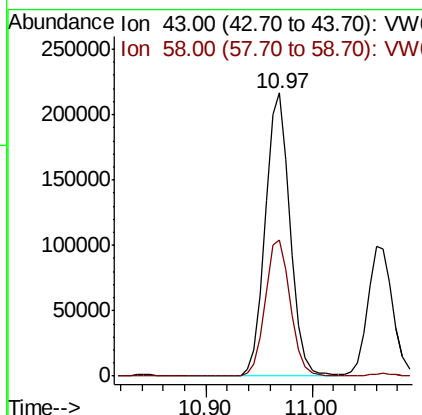
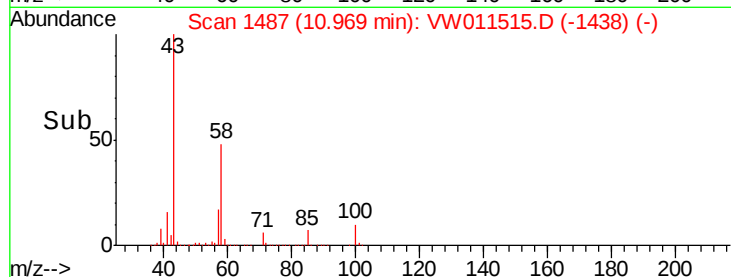
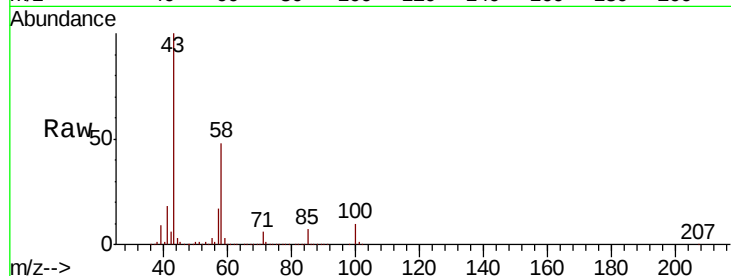




#59
2-Hexanone
Concen: 237.621 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

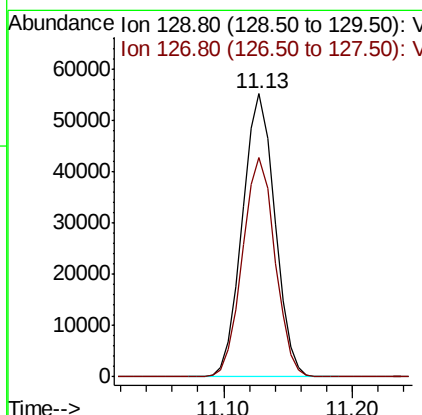
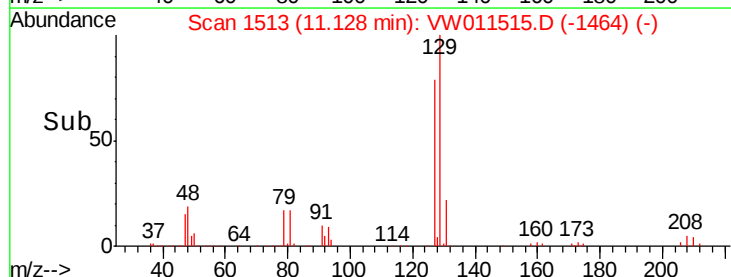
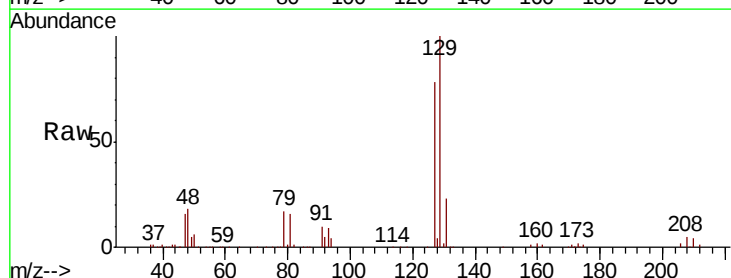
Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion: 43 Resp: 351623
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 47.041 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion: 129 Resp: 96509
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7

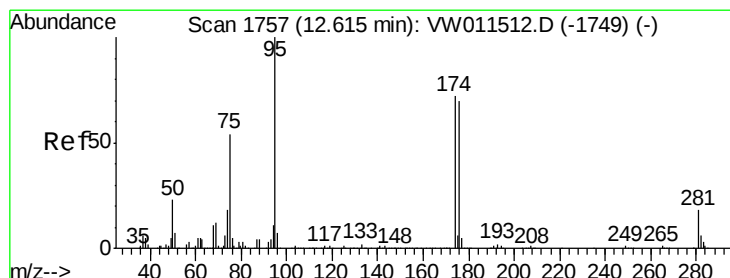
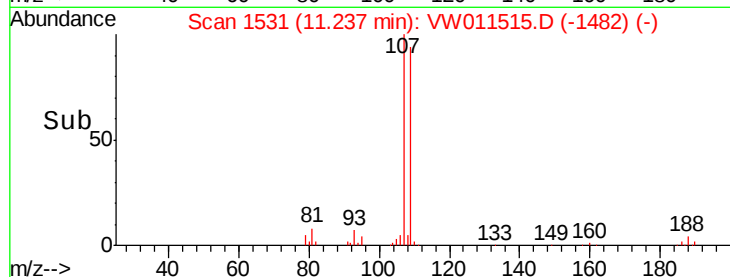
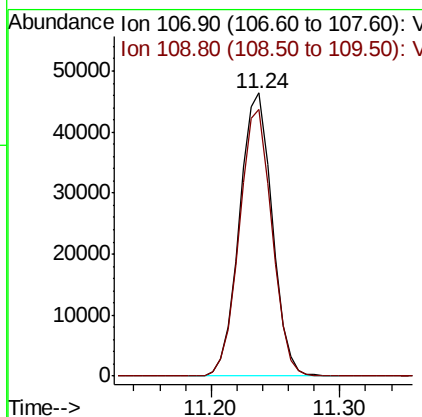
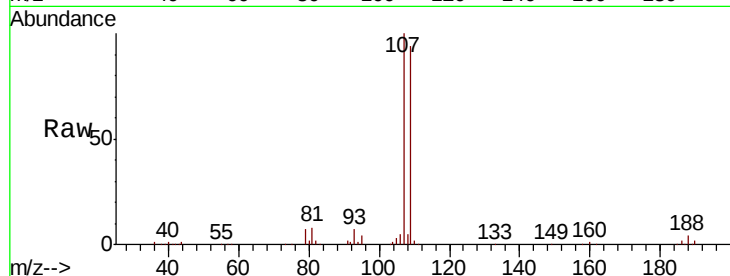




#61
1,2-Dibromoethane
Concen: 46.416 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

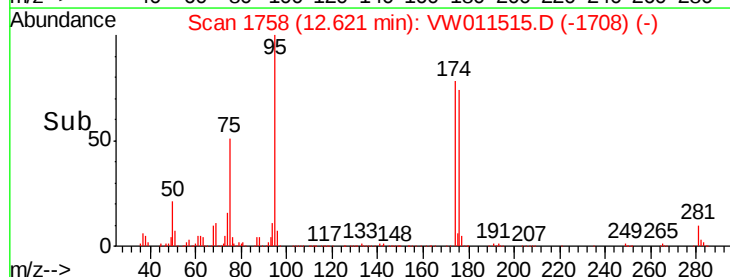
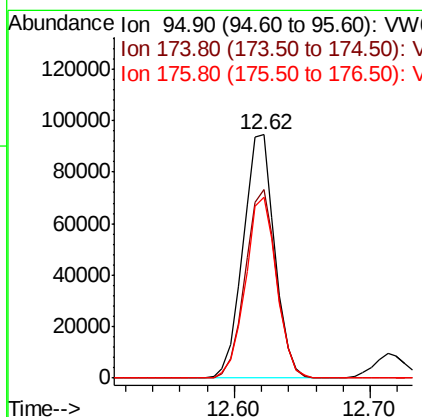
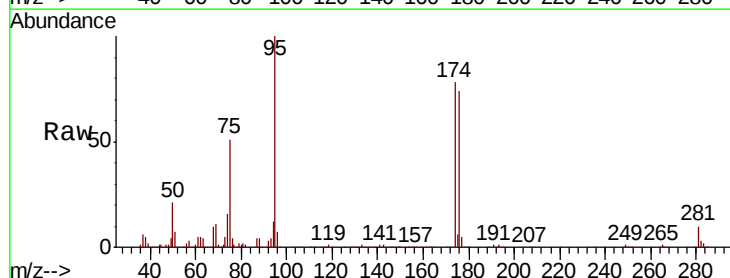
Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion: 107 Resp: 81185
Ion Ratio Lower Upper
107 100
109 94.1 75.0 112.6



#62
4-Bromofluorobenzene
Concen: 51.072 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion: 95 Resp: 153169
Ion Ratio Lower Upper
95 100
174 76.7 0.0 150.2
176 73.4 0.0 144.4

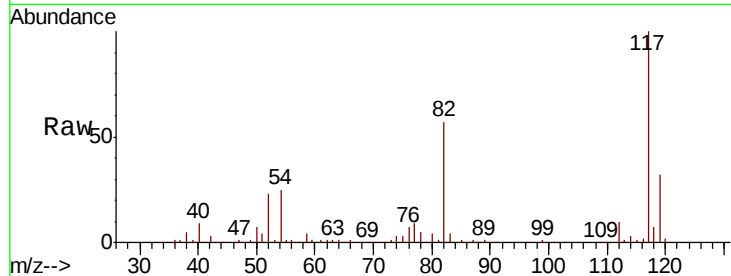




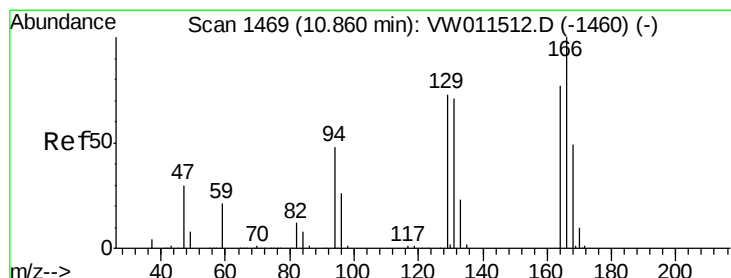
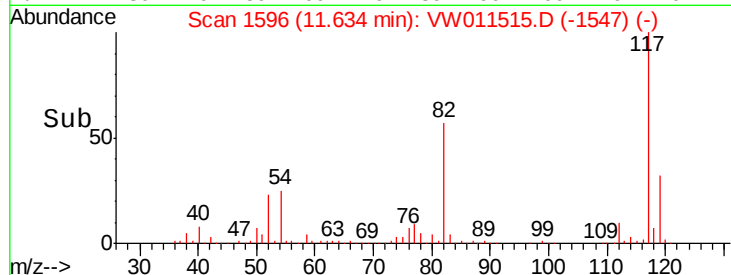
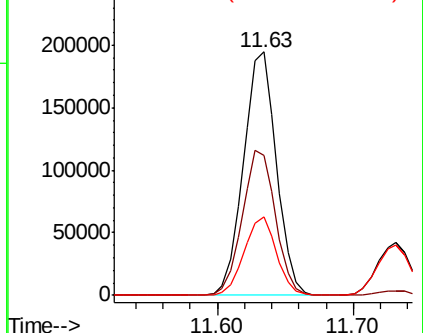
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion:117 Resp: 328960
Ion Ratio Lower Upper
117 100
82 57.5 47.9 71.9
119 32.4 26.2 39.2



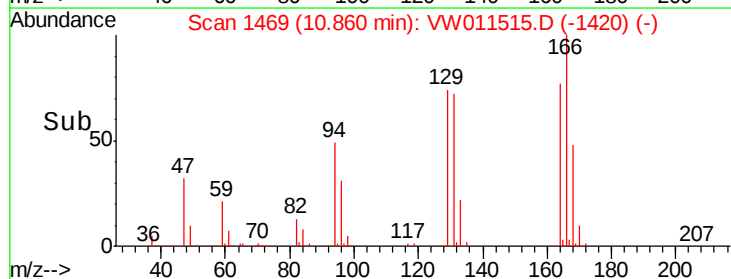
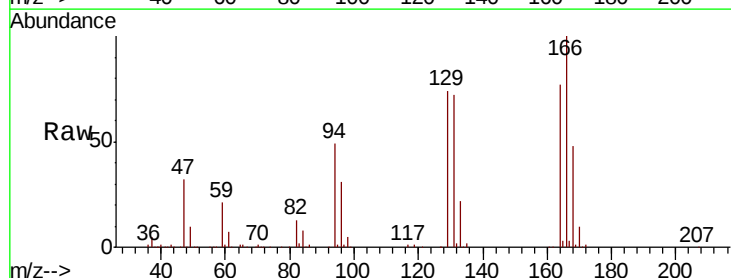
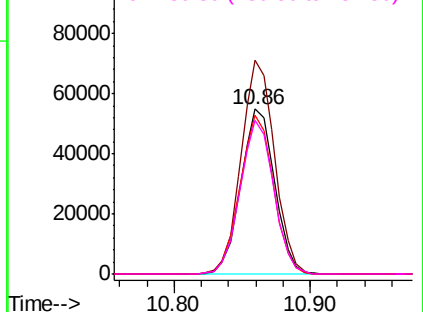
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 44.370 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion:164 Resp: 95035
Ion Ratio Lower Upper
164 100
166 129.7 103.5 155.3
129 96.2 75.2 112.8
131 93.2 73.4 110.2

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

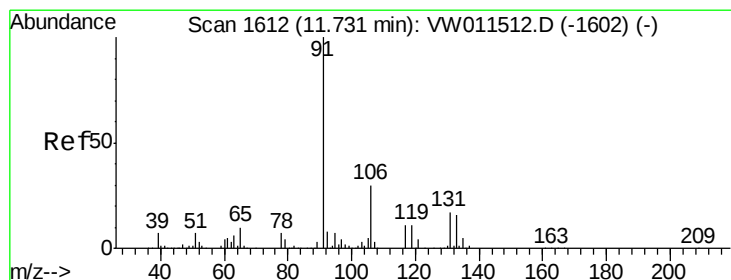
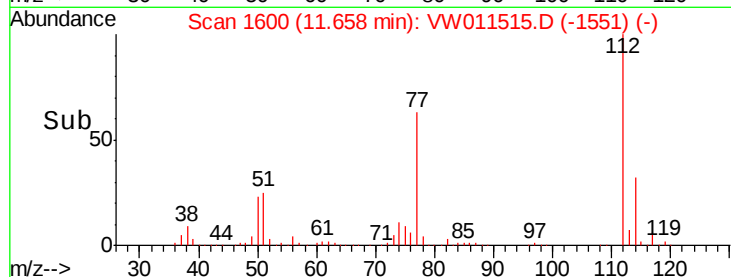
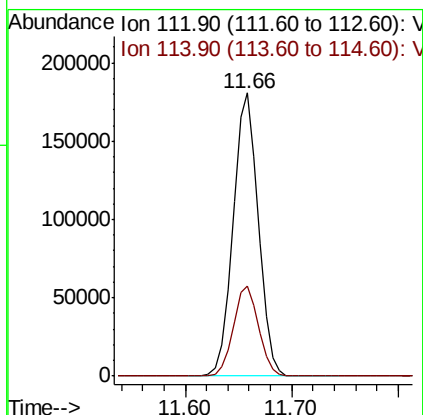
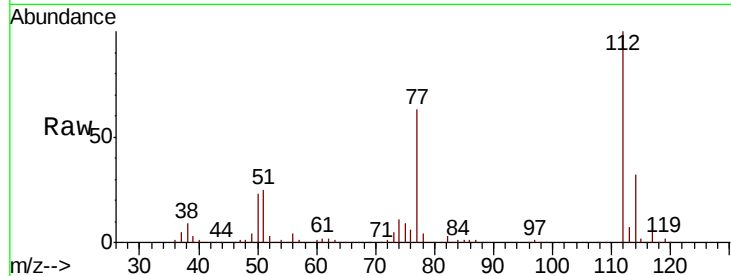




#65
Chlorobenzene
Concen: 45.245 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

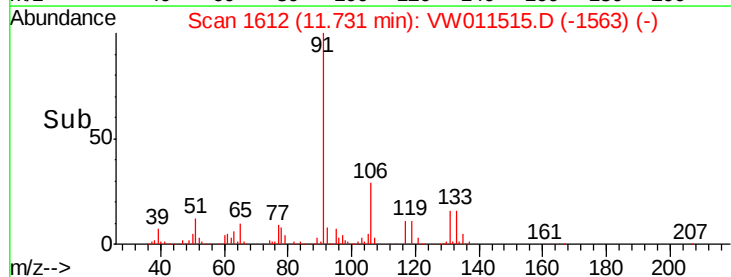
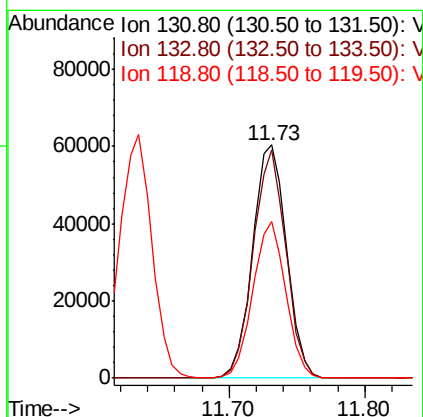
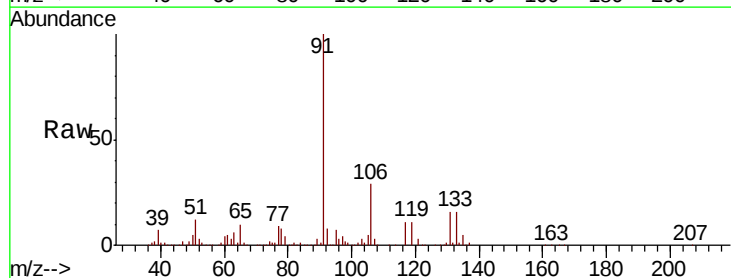
Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

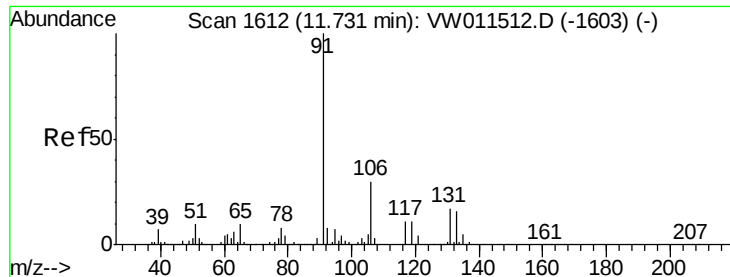
Tot Ion:112 Resp: 299232
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 45.863 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion:131 Resp: 105653
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.2
119 65.3 32.3 96.9

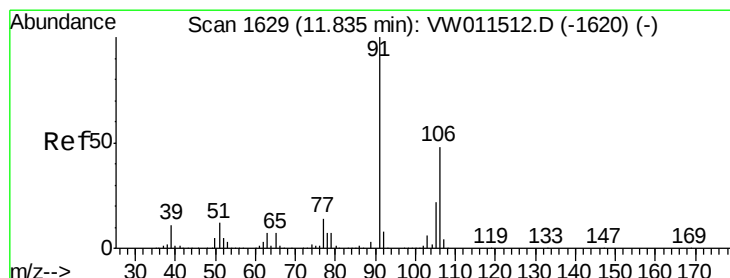
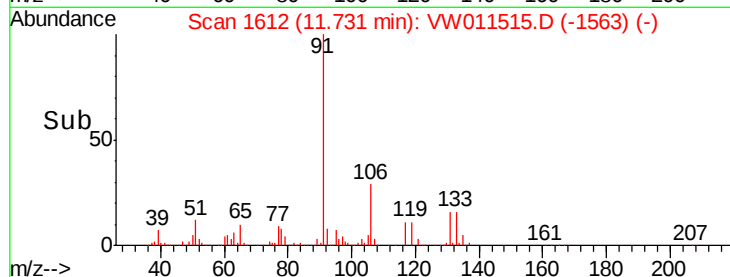
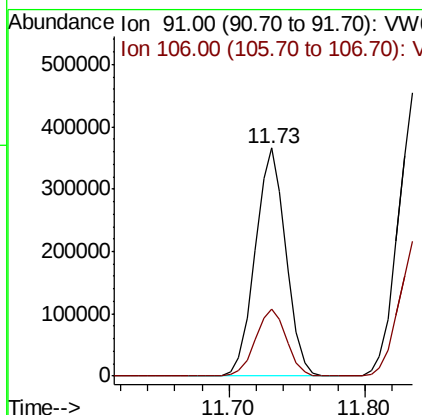
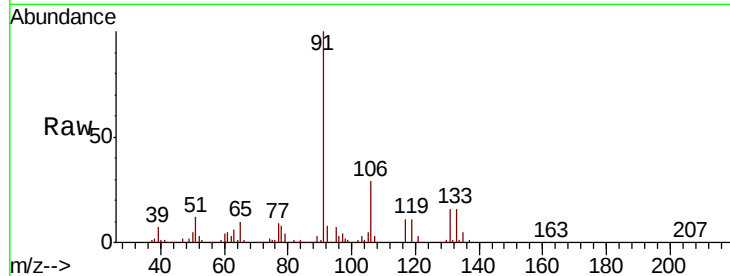




#67
Ethyl Benzene
Concen: 45.903 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

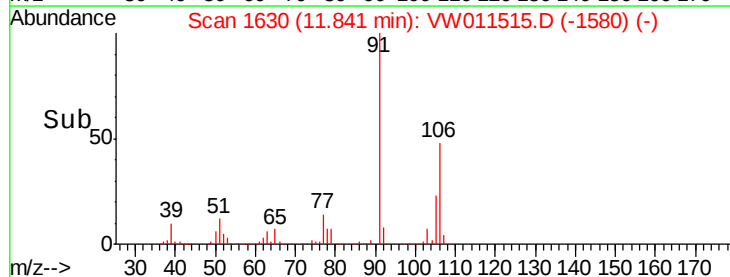
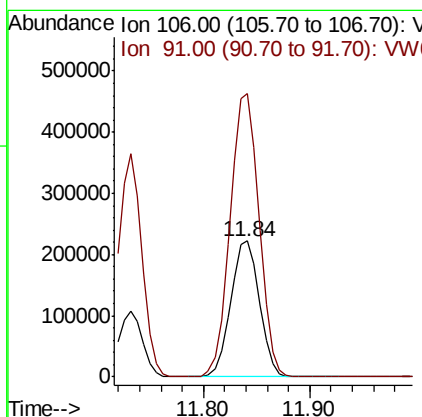
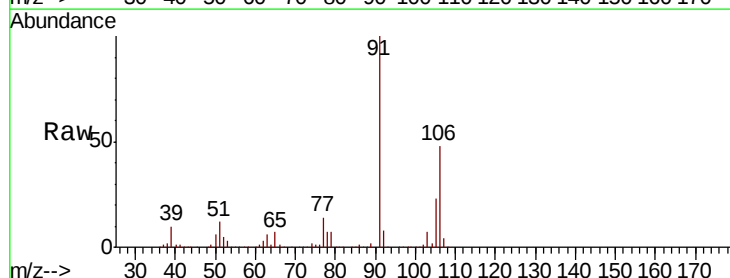
Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

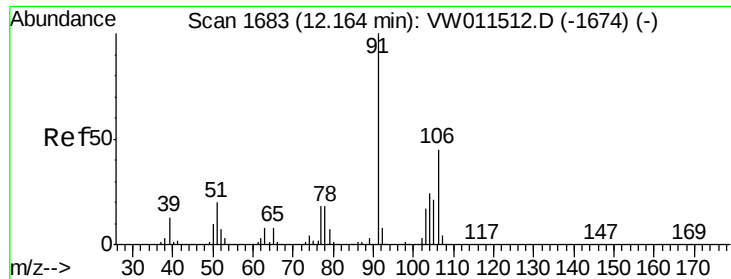
Tot Ion: 91 Resp: 578192
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6



#68
m/p-Xylenes
Concen: 91.554 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion: 106 Resp: 419388
Ion Ratio Lower Upper
106 100
91 210.3 168.2 252.2

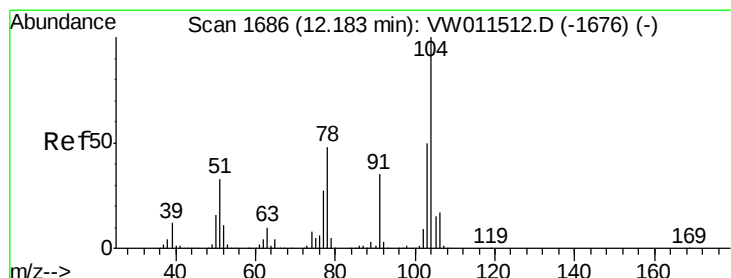
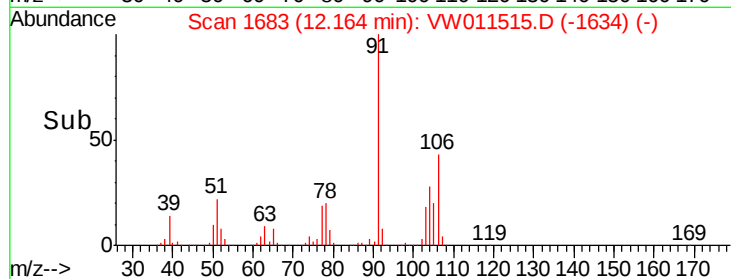
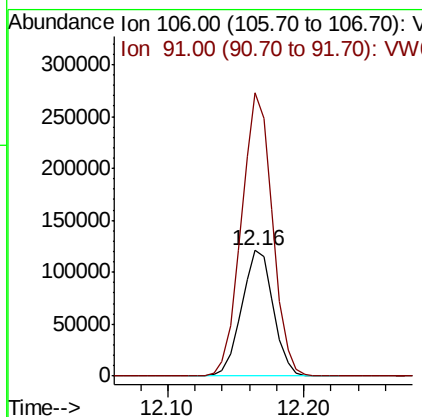
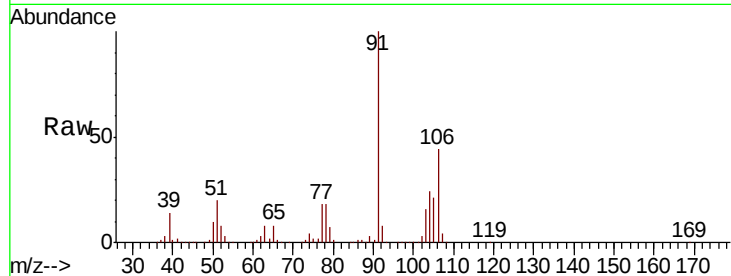




#69
o-Xylene
Concen: 46.128 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

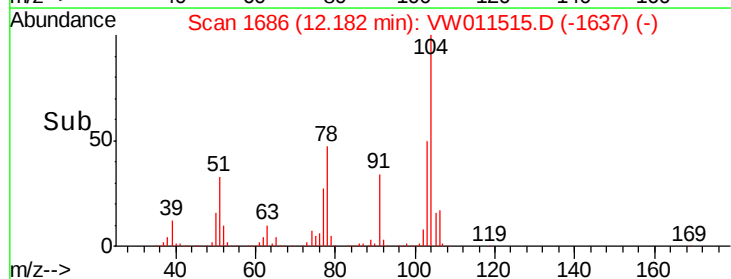
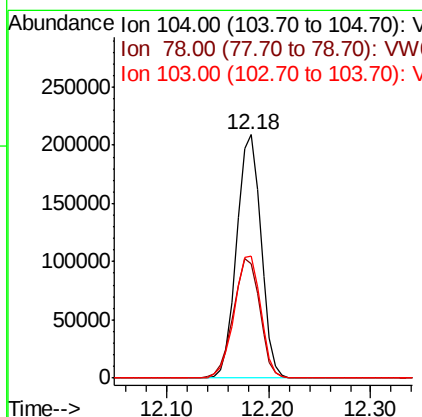
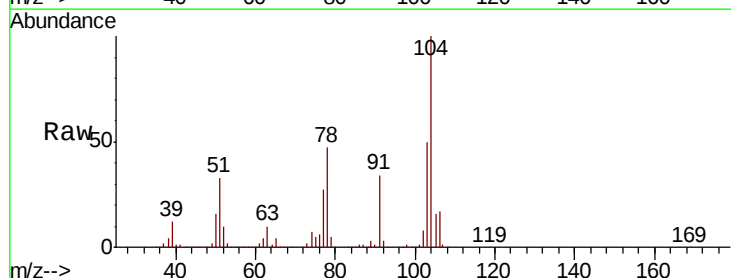
Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion:106 Resp: 196355
Ion Ratio Lower Upper
106 100
91 220.7 110.5 331.5



#70
Styrene
Concen: 46.760 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion:104 Resp: 344146
Ion Ratio Lower Upper
104 100
78 53.4 43.4 65.0
103 54.6 43.9 65.9





#71

Bromoform

Concen: 46.295 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

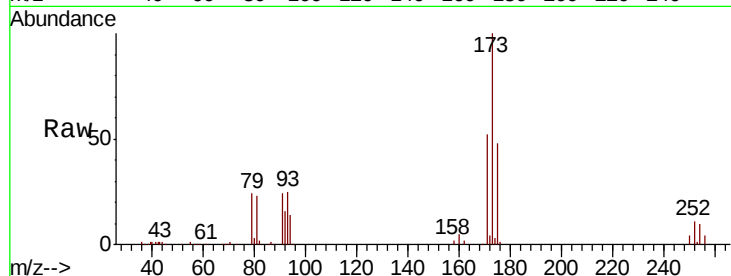
Tot Ion:173 Resp: 54377

Ion Ratio Lower Upper

173 100

175 48.2 23.6 71.0

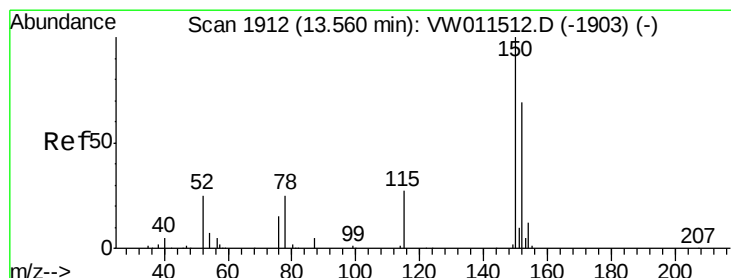
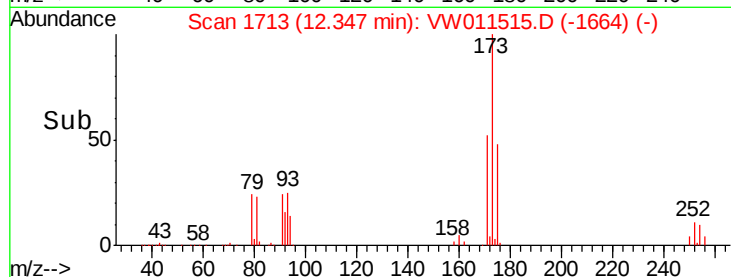
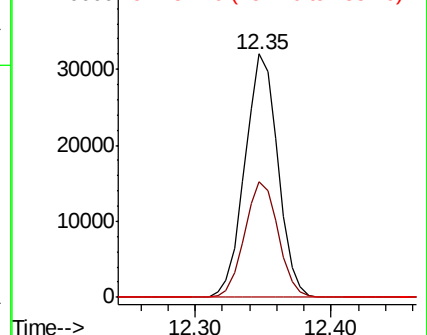
254 0.0 0.1 0.1#



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: VW011515.D

Acq: 26 Jul 2019 14:10

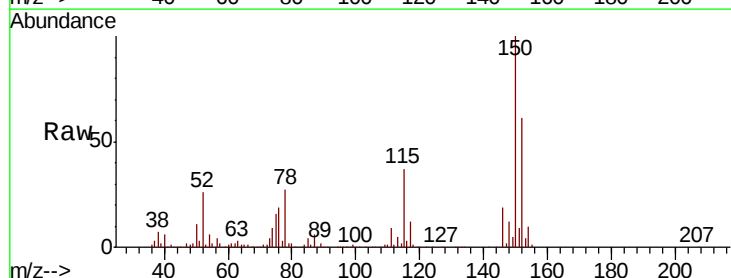
Tgt Ion:152 Resp: 155976

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

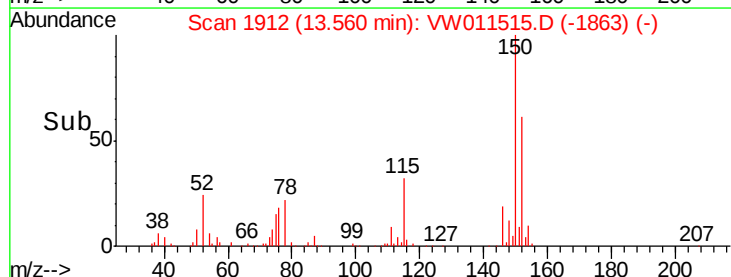
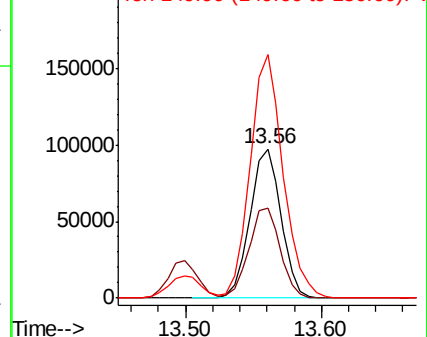
150 173.1 0.0 352.6

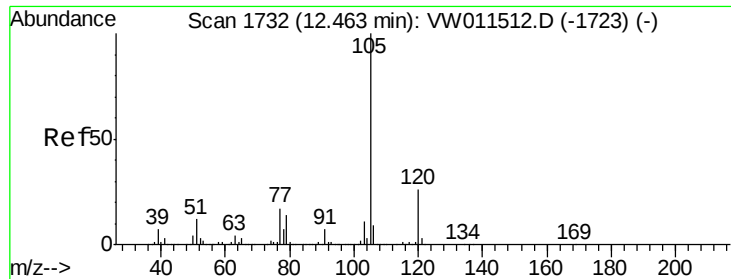


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.779 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

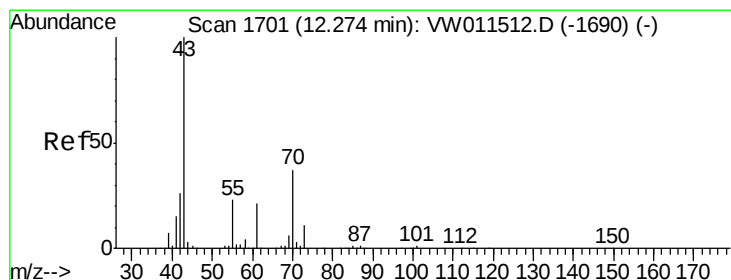
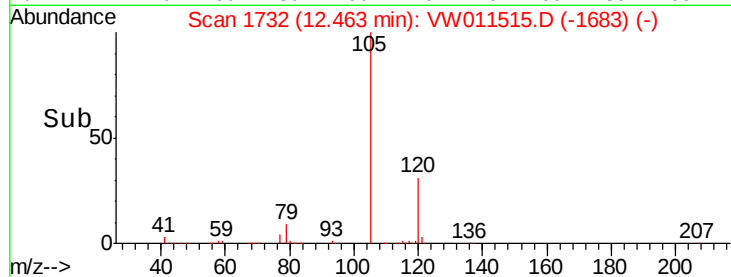
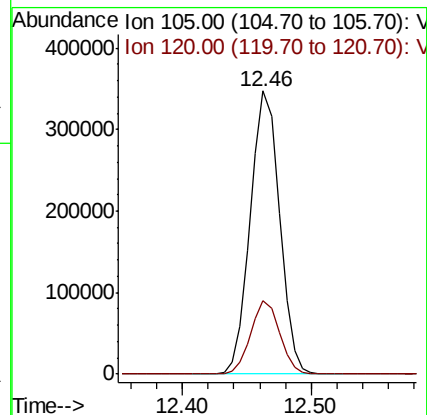
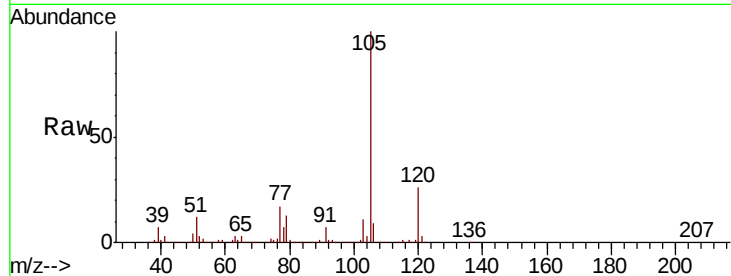
ICVW072719

Tot Ion:105 Resp: 544325

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7



#74

N-ethyl acetate

Concen: 48.505 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion: 43 Resp: 176705

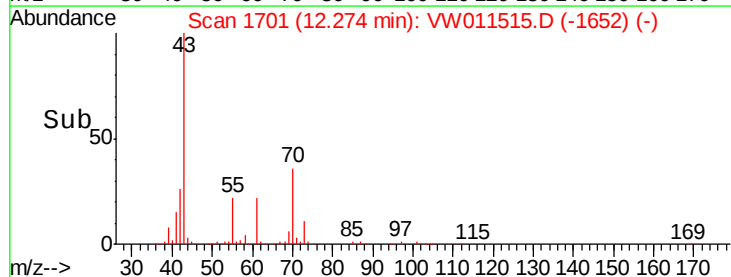
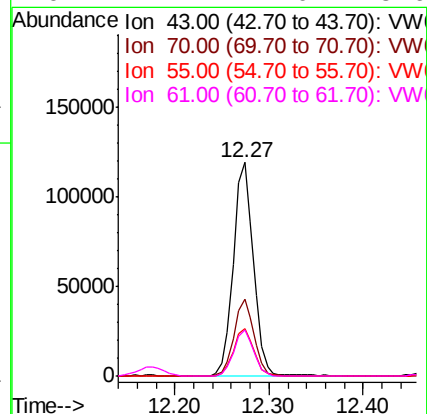
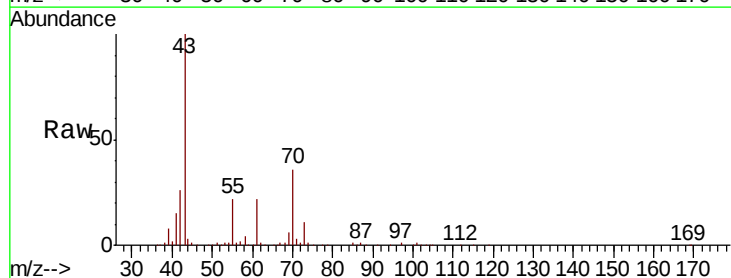
Ion Ratio Lower Upper

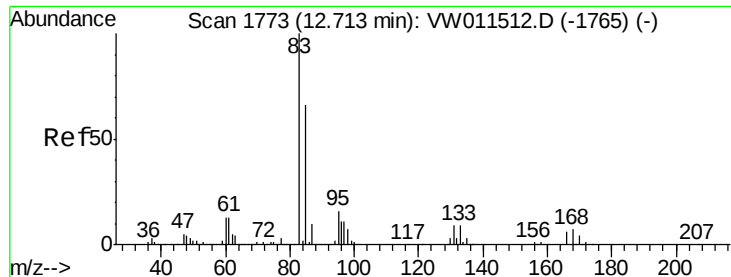
43 100

70 35.9 28.6 43.0

55 22.3 17.8 26.8

61 21.1 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.524 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

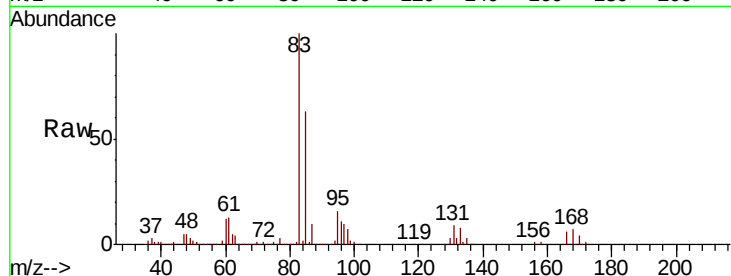
Tot Ion: 83 Resp: 101829

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

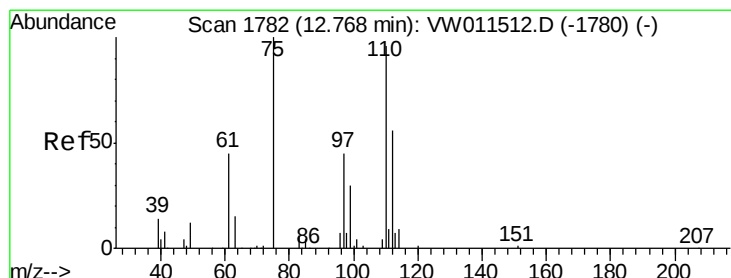
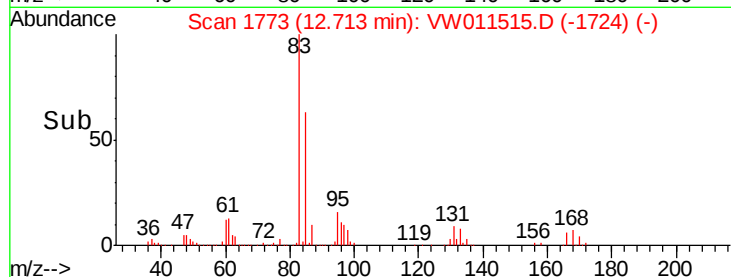
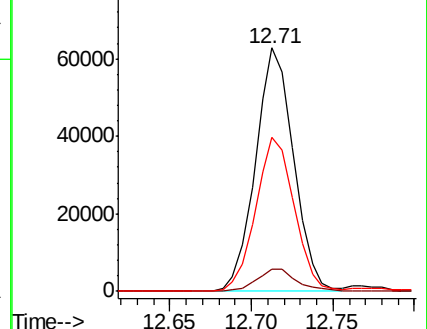
85 63.8 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 81.772 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011515.D

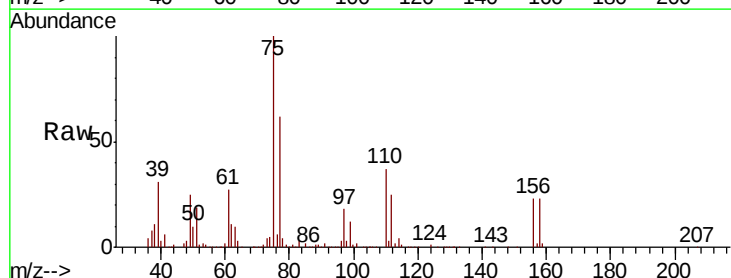
Acq: 26 Jul 2019 14:10

Tgt Ion: 75 Resp: 134957

Ion Ratio Lower Upper

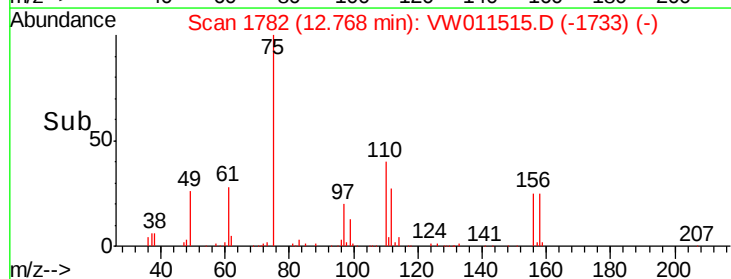
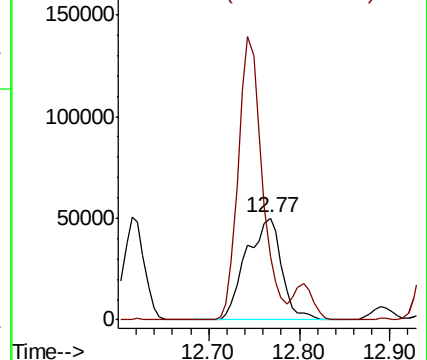
75 100

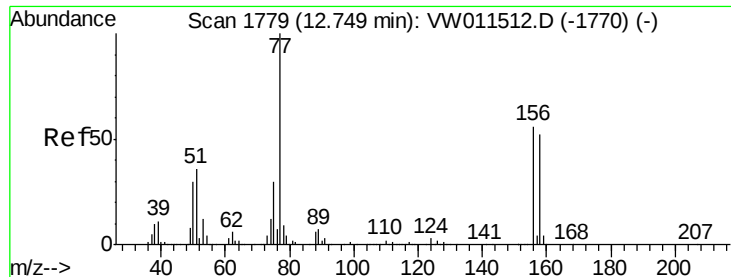
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 46.431 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

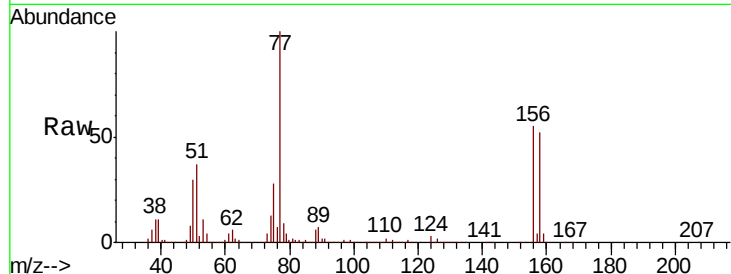
Tot Ion:156 Resp: 119417

Ion Ratio Lower Upper

156 100

77 215.0 106.5 319.4

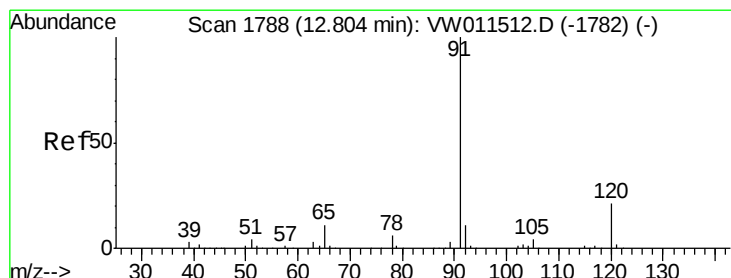
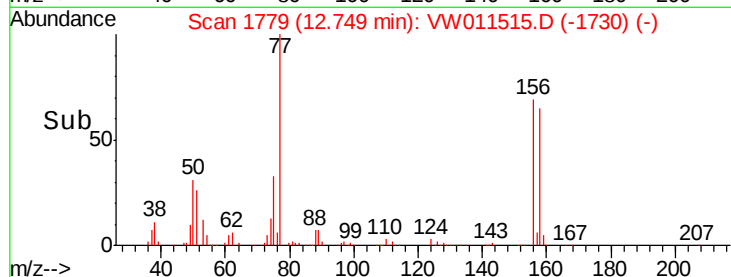
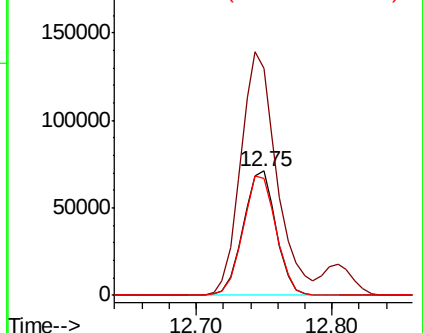
158 97.4 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.355 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011515.D

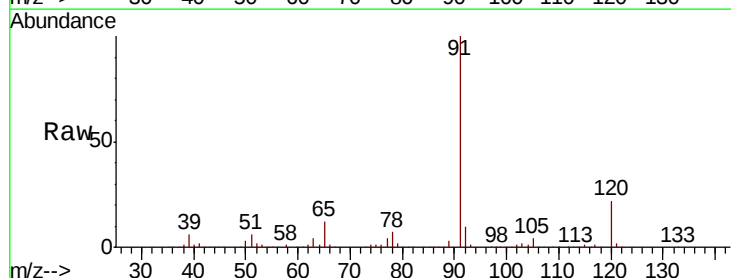
Acq: 26 Jul 2019 14:10

Tgt Ion: 91 Resp: 670605

Ion Ratio Lower Upper

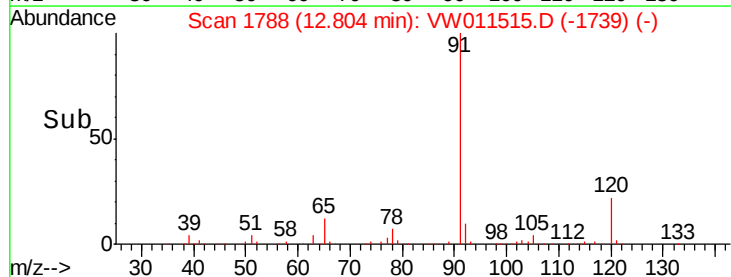
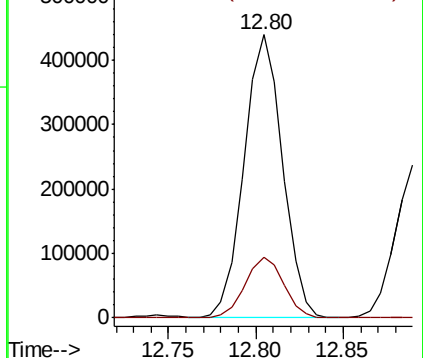
91 100

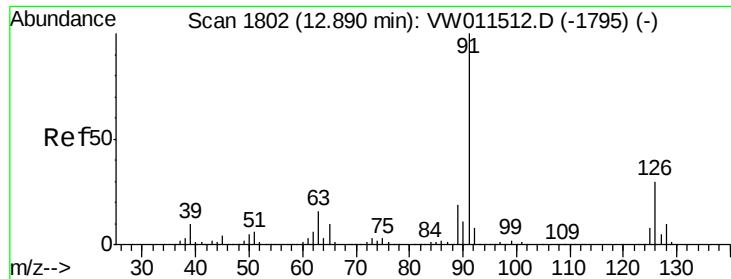
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.743 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

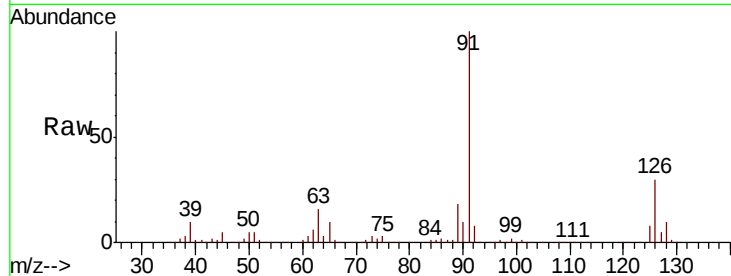
ICVW072719

Tot Ion: 91 Resp: 381343

Ion Ratio Lower Upper

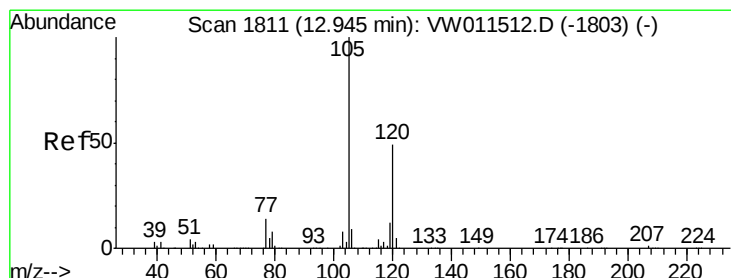
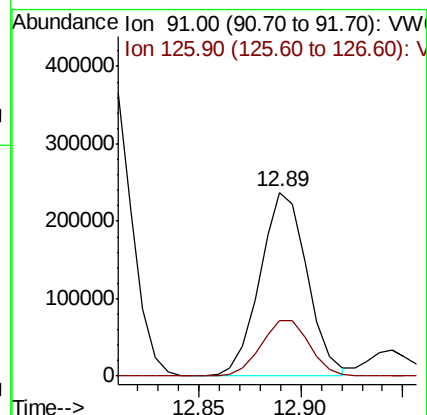
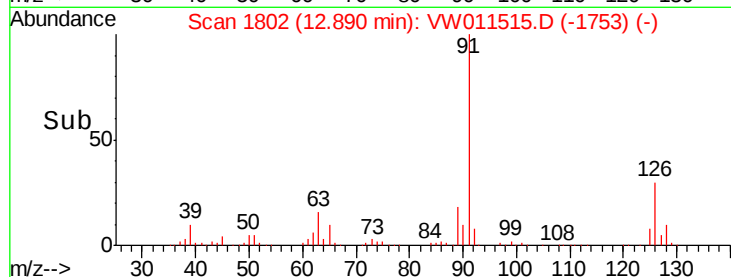
91 100

126 31.5 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.389 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011515.D

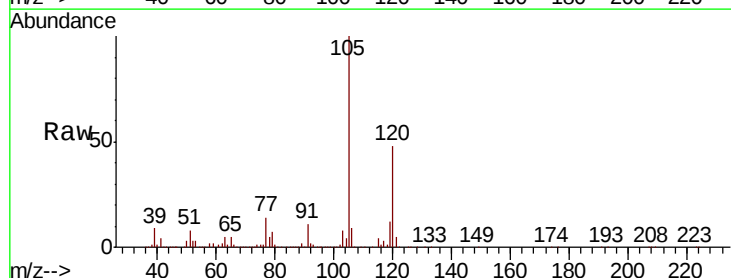
Acq: 26 Jul 2019 14:10

Tgt Ion:105 Resp: 462229

Ion Ratio Lower Upper

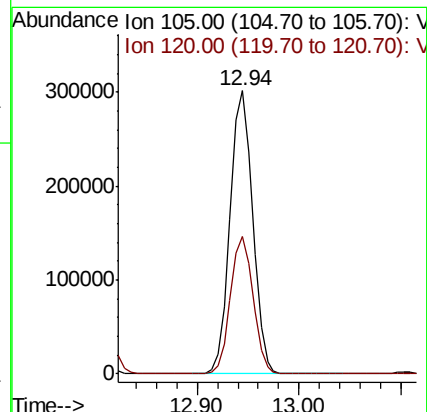
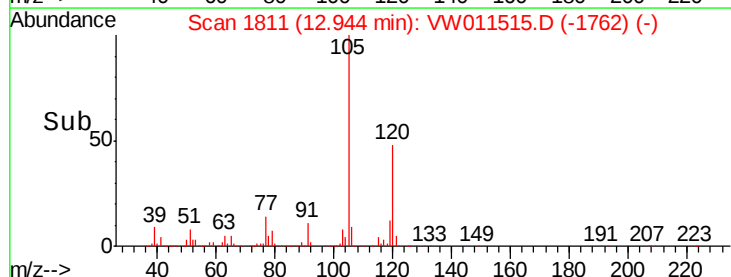
105 100

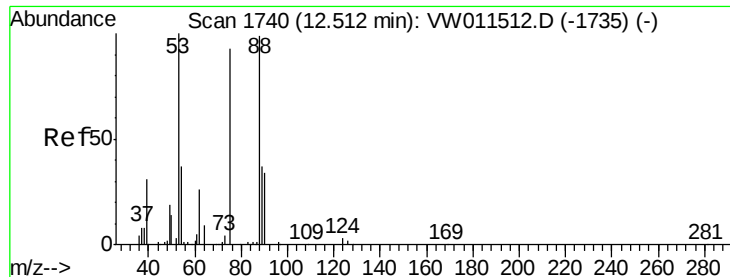
120 48.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.360 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

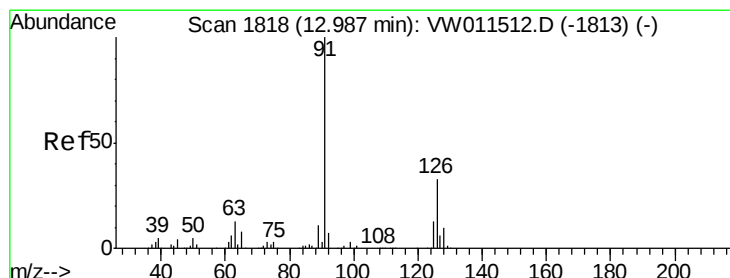
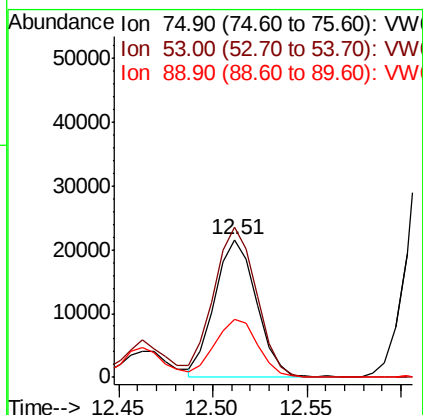
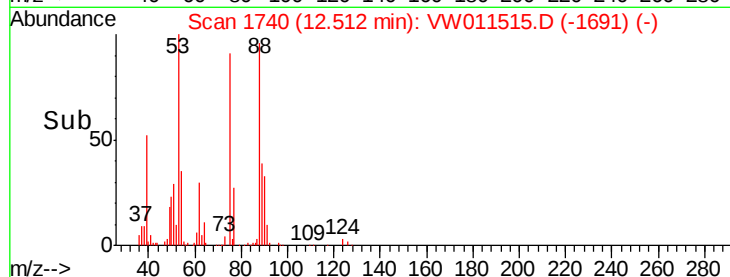
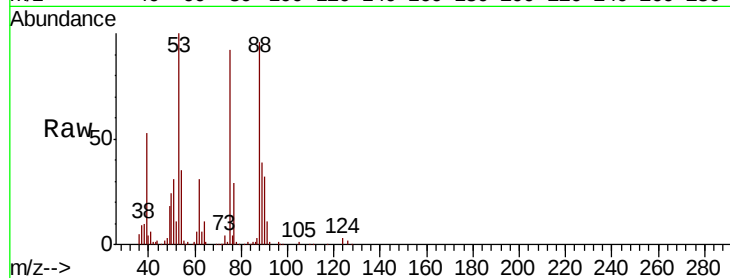
Tot Ion: 75 Resp: 33199

Ion Ratio Lower Upper

75 100

53 113.4 88.0 132.0

89 43.7 35.3 52.9



#82

4-Chlorotoluene

Concen: 46.248 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011515.D

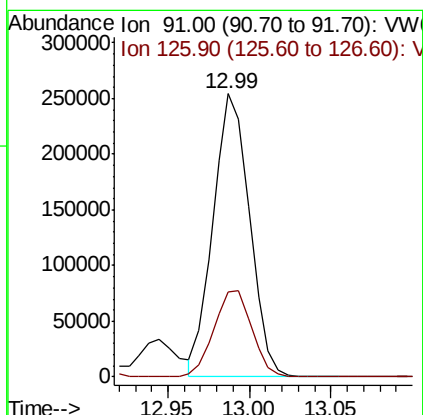
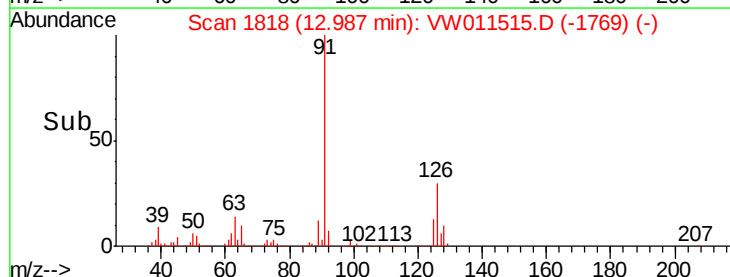
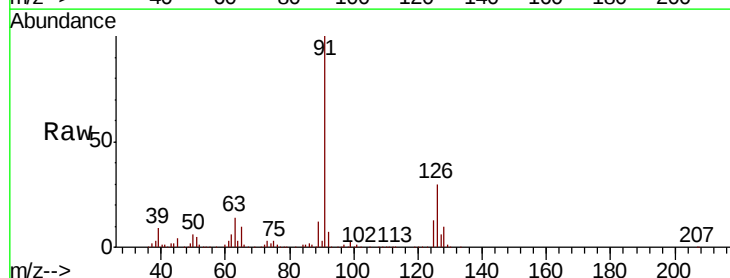
Acq: 26 Jul 2019 14:10

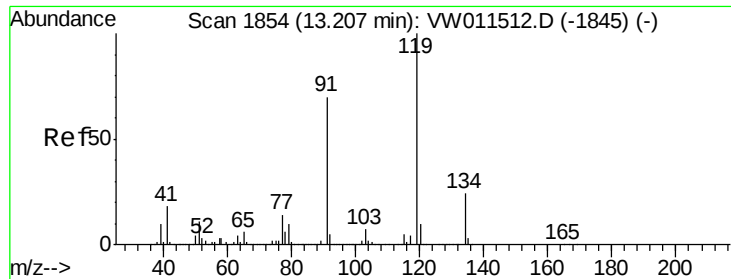
Tgt Ion: 91 Resp: 395874

Ion Ratio Lower Upper

91 100

126 31.9 15.6 46.8

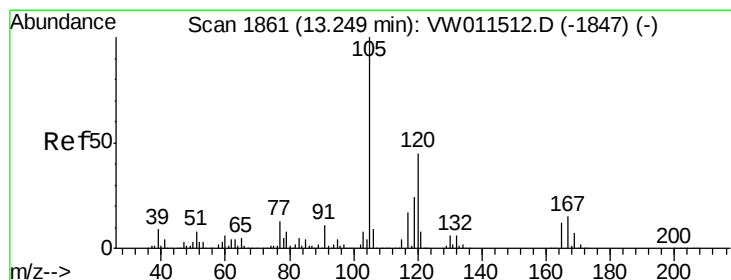
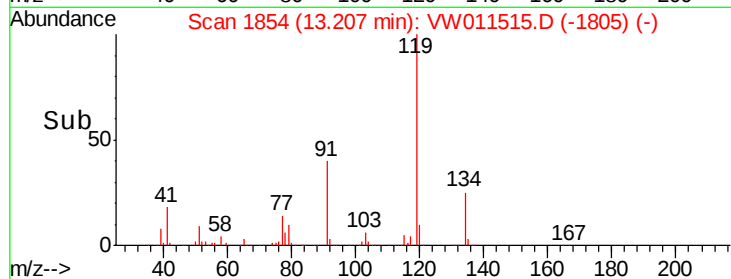
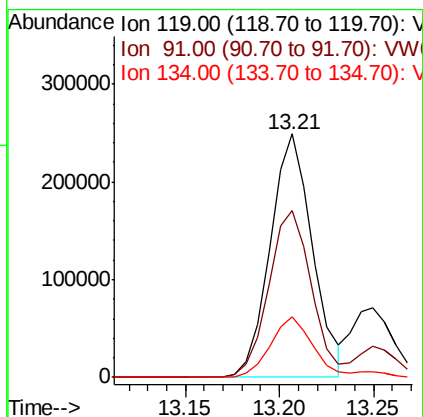
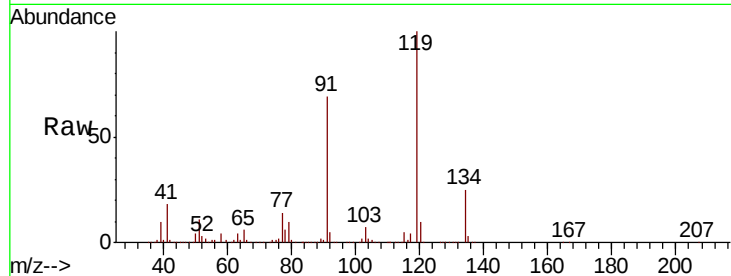




#83
tert-Butylbenzene
Concen: 47.504 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

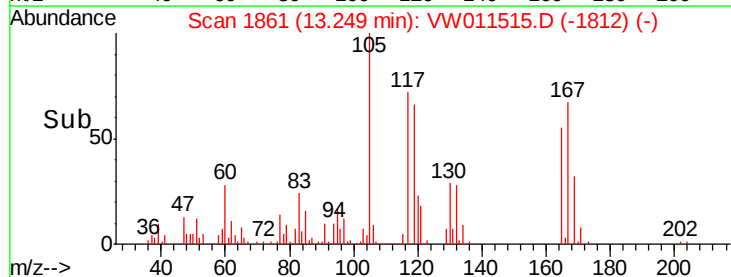
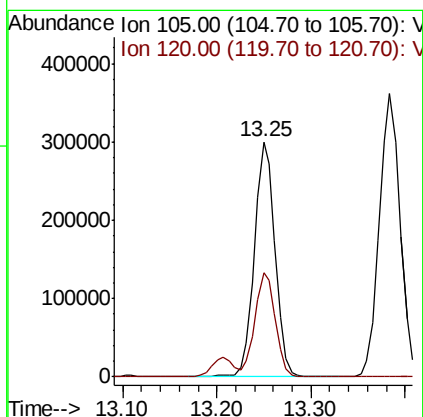
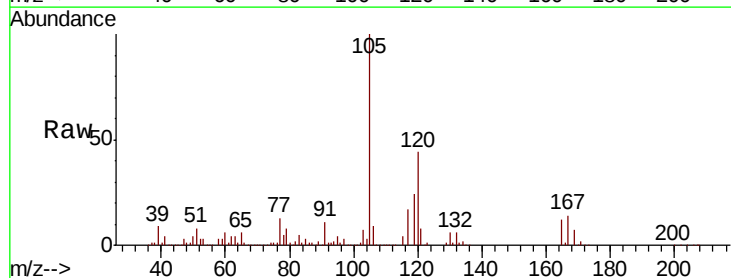
Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

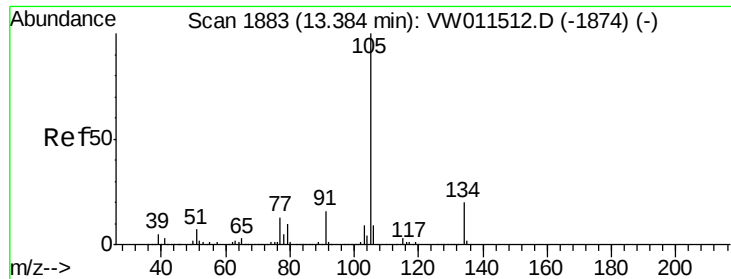
Tot Ion:119 Resp: 387481
Ion Ratio Lower Upper
119 100
91 68.8 34.5 103.6
134 24.6 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 47.280 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion:105 Resp: 464565
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.5





#85

sec-Butylbenzene

Concen: 47.523 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

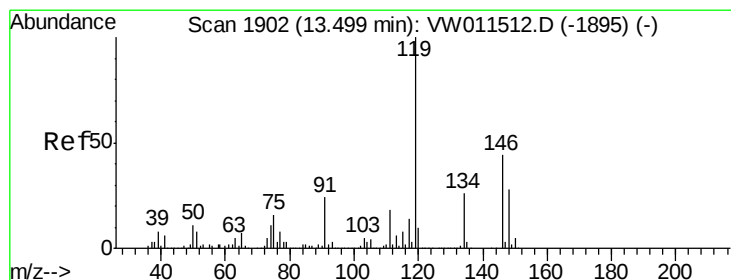
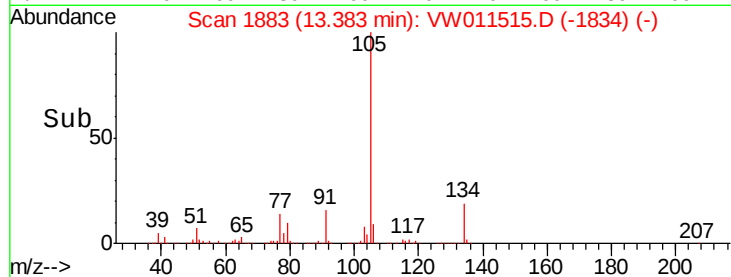
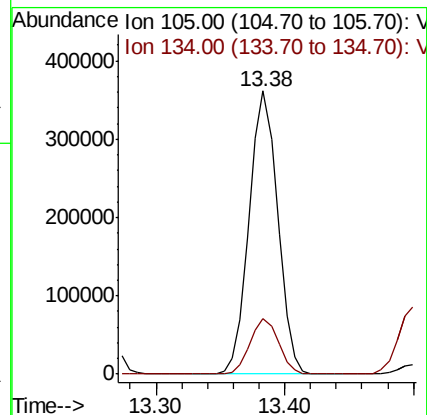
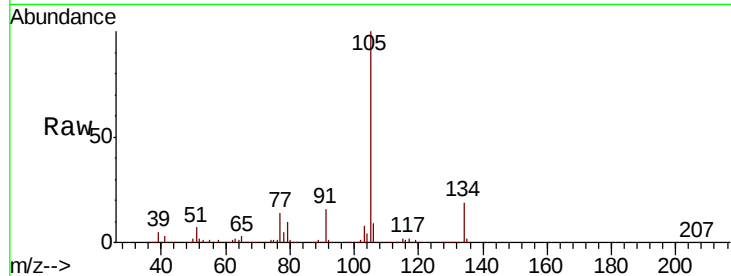
ICVW072719

Tot Ion:105 Resp: 553108

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 47.384 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

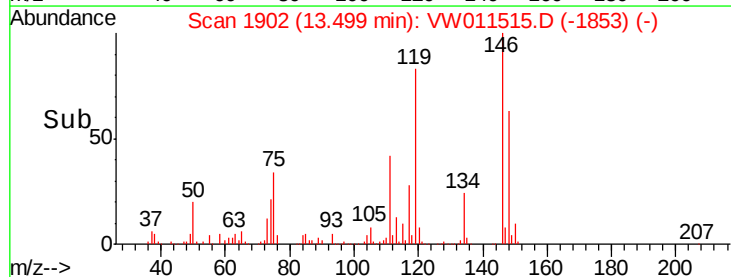
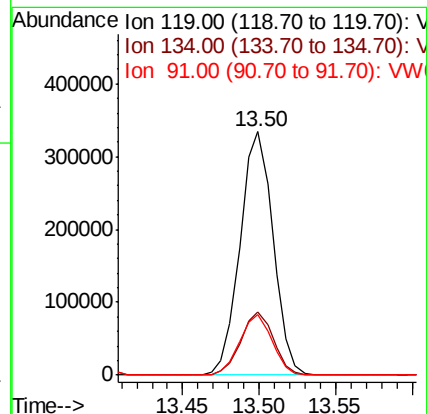
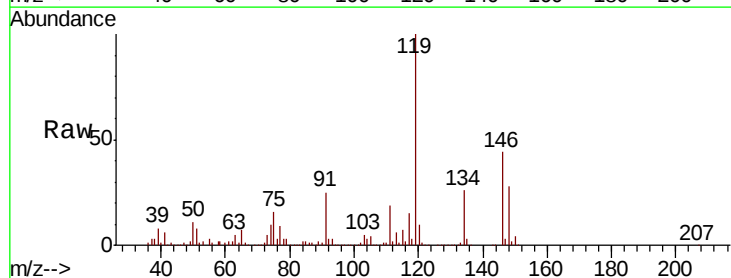
Tgt Ion:119 Resp: 500375

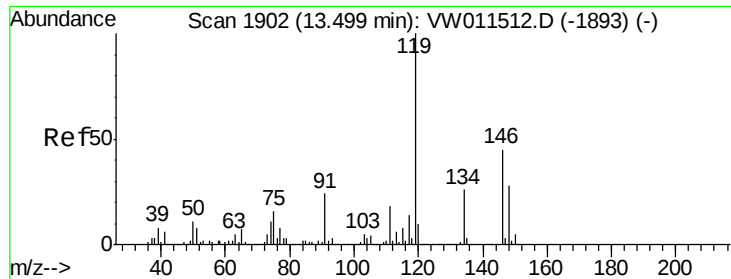
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.4 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 46.638 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

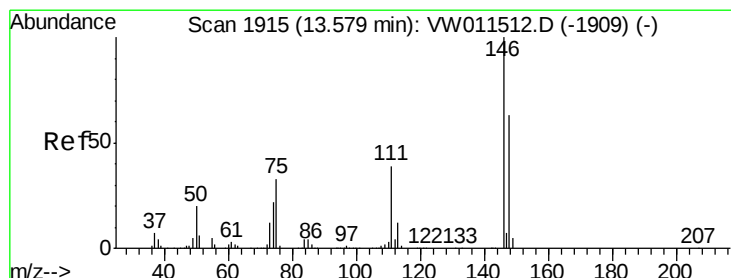
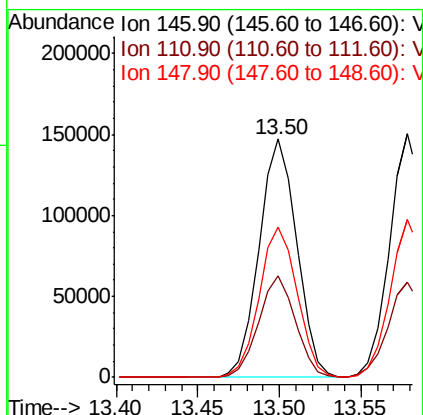
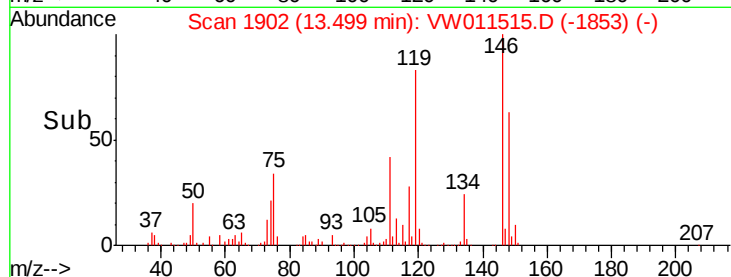
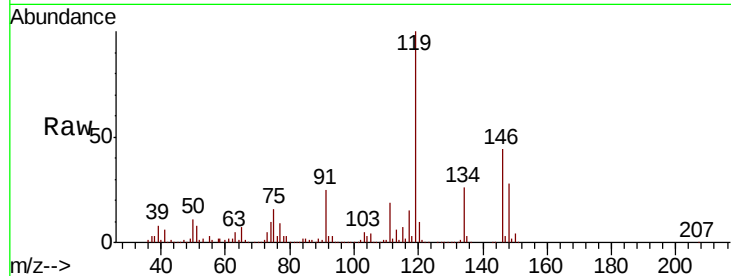
Tot Ion:146 Resp: 235198

Ion Ratio Lower Upper

146 100

111 41.6 20.5 61.6

148 63.6 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 46.636 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

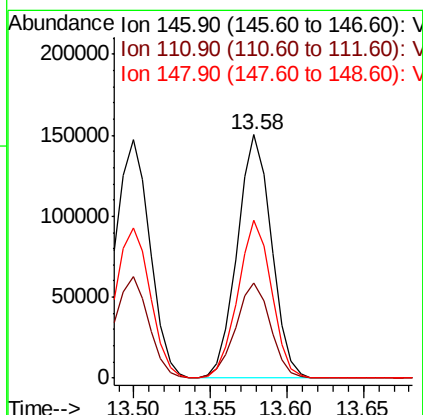
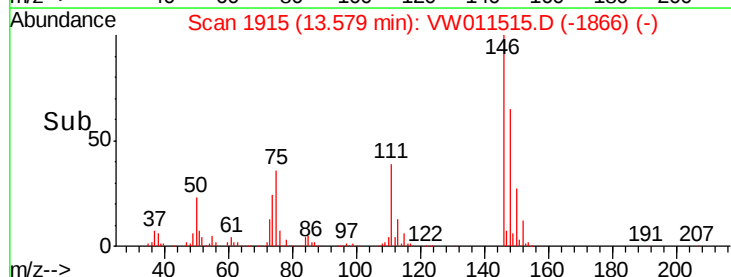
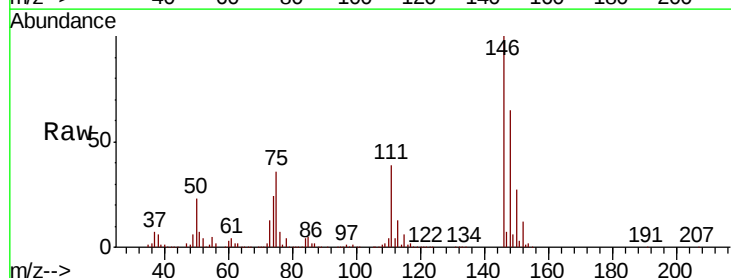
Tgt Ion:146 Resp: 233953

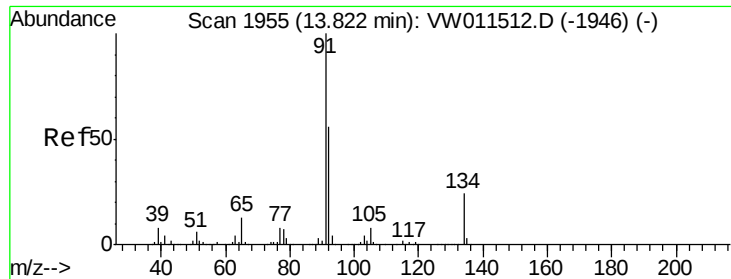
Ion Ratio Lower Upper

146 100

111 39.8 20.1 60.2

148 63.8 31.9 95.9





#89

n-Butylbenzene

Concen: 47.840 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

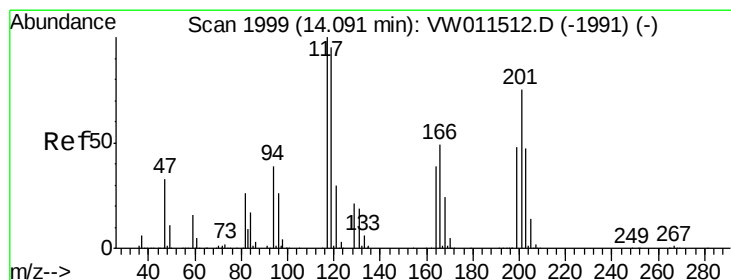
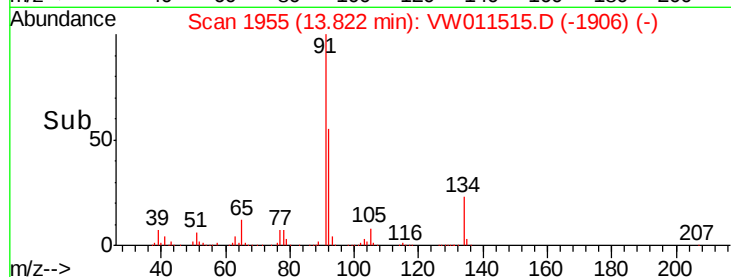
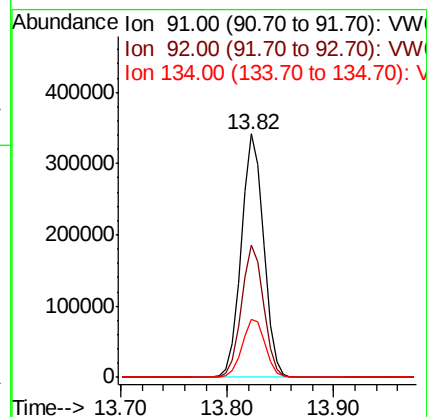
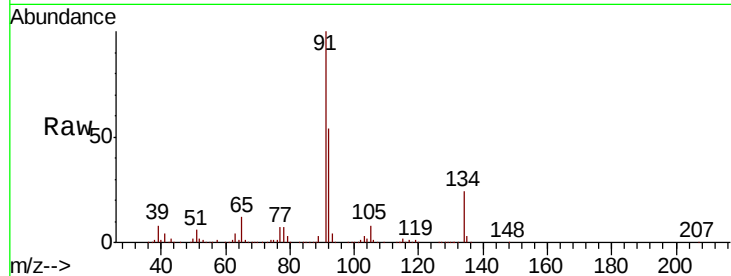
Tot Ion: 91 Resp: 504143

Ion Ratio Lower Upper

91 100

92 53.8 27.5 82.4

134 24.5 12.2 36.6



#90

Hexachloroethane

Concen: 47.641 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011515.D

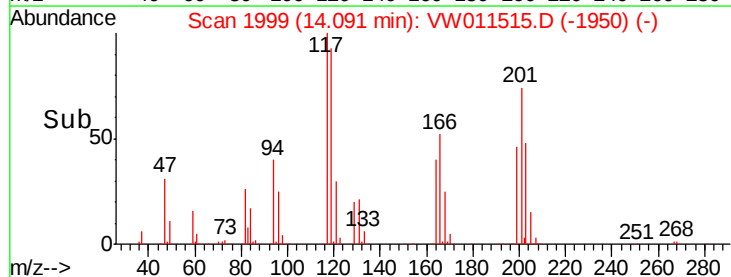
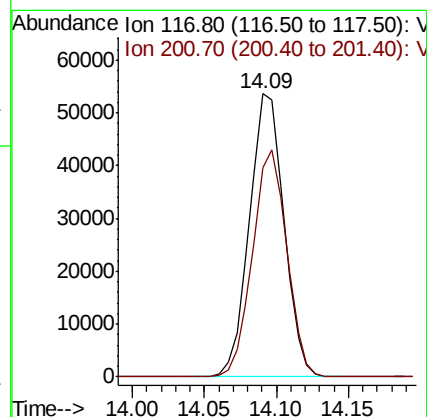
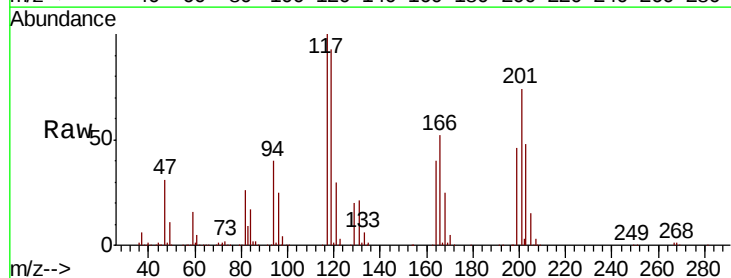
Acq: 26 Jul 2019 14:10

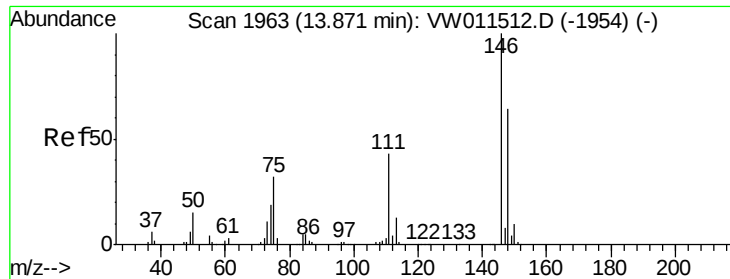
Tgt Ion: 117 Resp: 88959

Ion Ratio Lower Upper

117 100

201 79.4 39.4 118.2

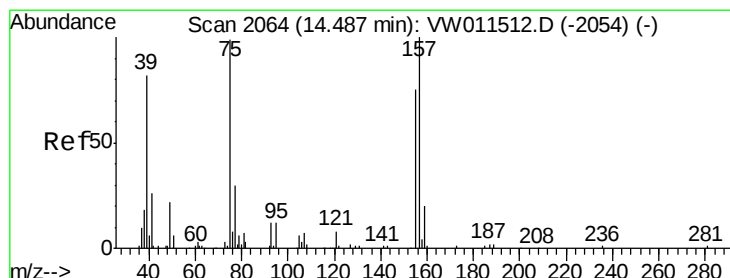
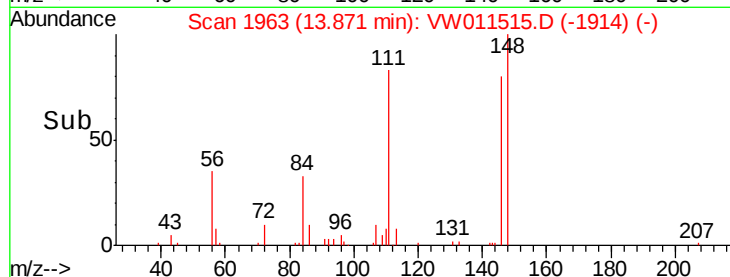
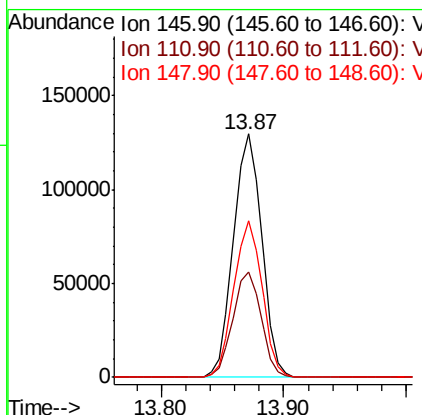
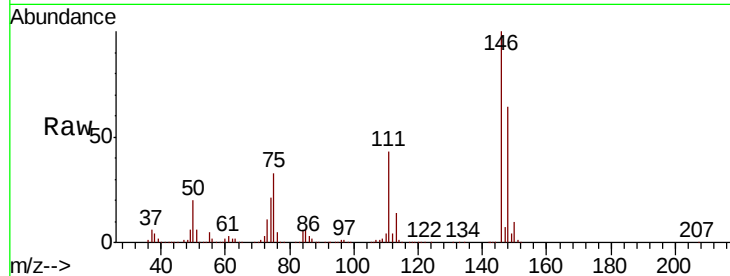




#91
 1,2-Dichlorobenzene
 Concen: 46.673 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

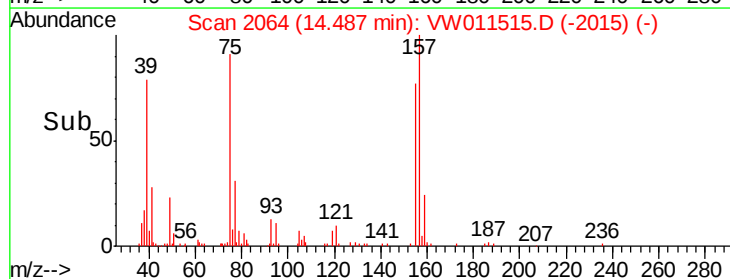
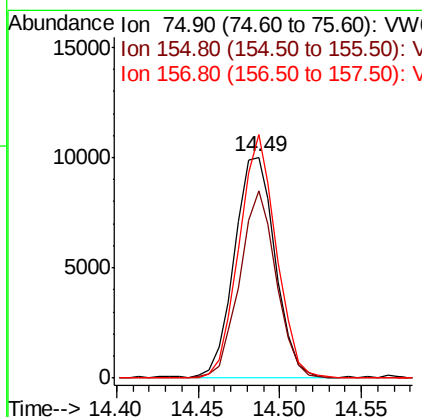
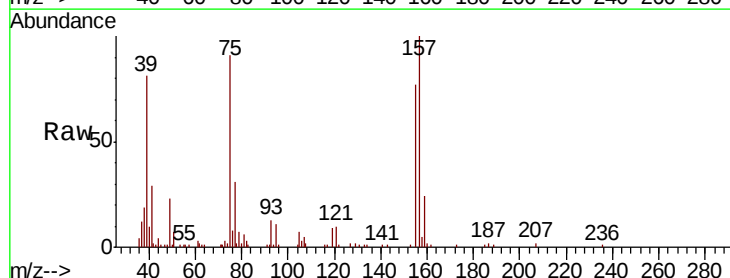
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

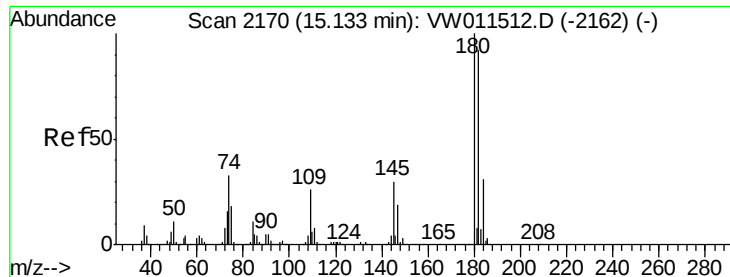
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	64.1	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.895 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.1	38.2	114.6
157	99.9	48.9	146.7

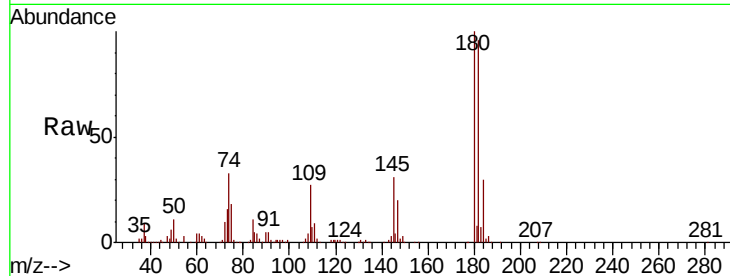




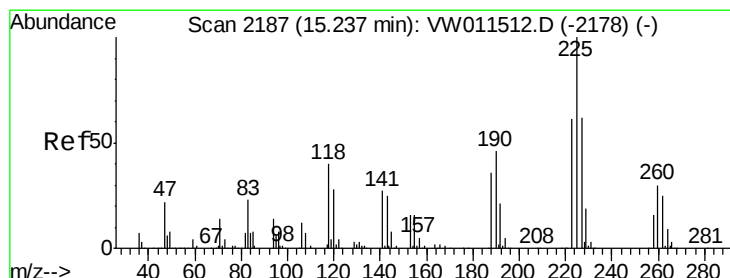
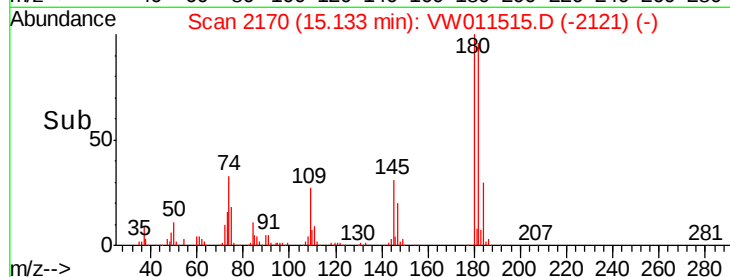
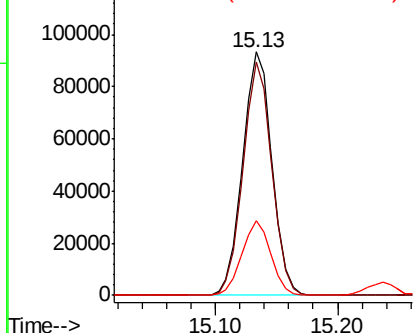
#93
 1,2,4-Trichlorobenzene
 Concen: 49.173 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion:180 Resp: 154576
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.4 142.2
 145 30.6 15.4 46.1

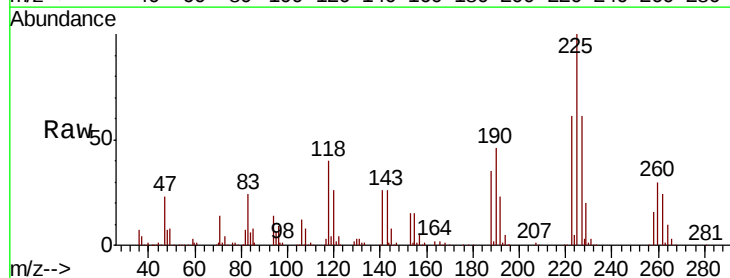


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

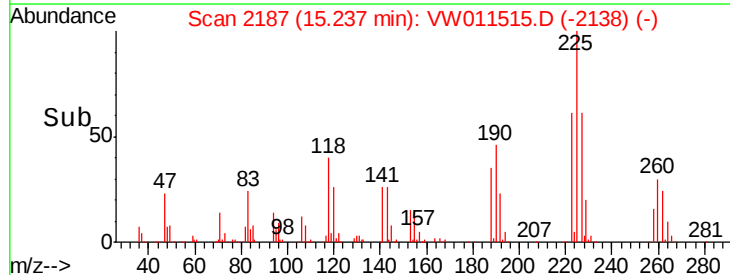
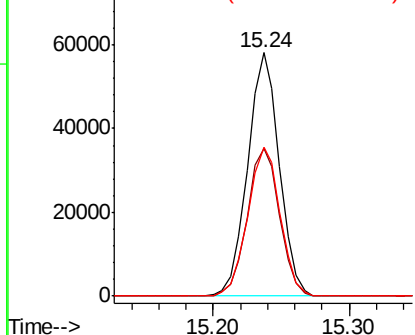


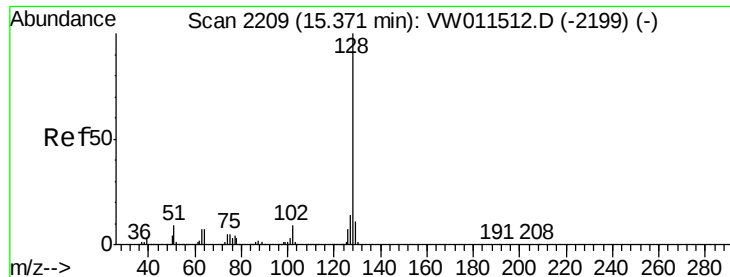
#94
 Hexachlorobutadiene
 Concen: 48.247 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion:225 Resp: 94580
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.8 92.3
 227 62.6 31.6 94.7



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





#95

Naphthalene

Concen: 46.662 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

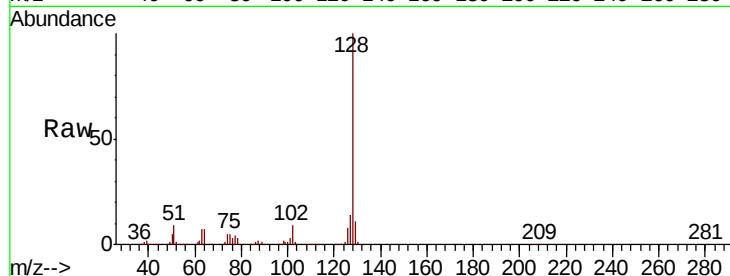
Tot Ion:128 Resp: 286441

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

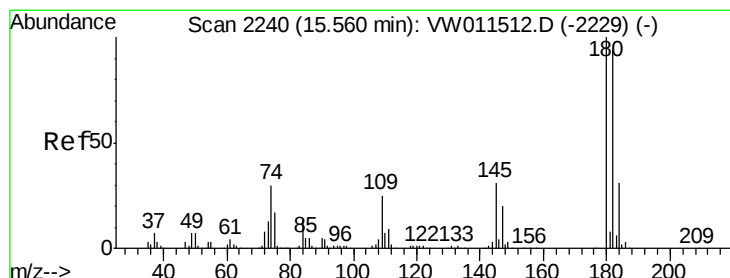
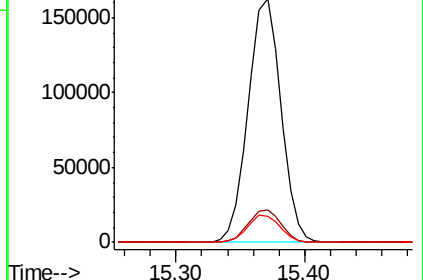
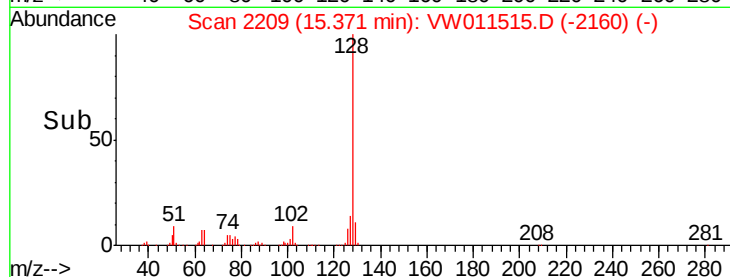
129 11.2 8.6 13.0



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: 49.955 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

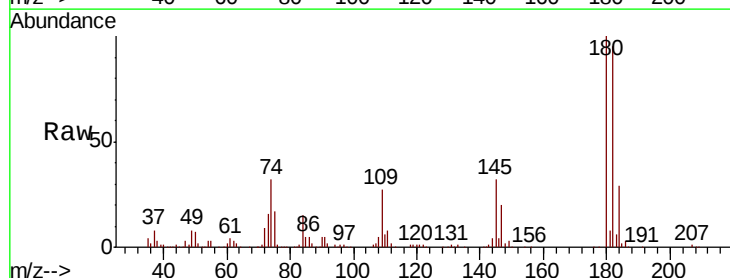
Tgt Ion:180 Resp: 137650

Ion Ratio Lower Upper

180 100

182 94.8 47.4 142.2

145 31.4 15.9 47.7



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

