

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051619\
 Data File : VW010415.D
 Acq On : 16 May 2019 21:48
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051619

Quant Time: May 17 09:05:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 09:02:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	917150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1627296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1494854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	726333	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	483169	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.88	113	486316	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.32	98	1848930	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.62	95	718776	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	260024	50.051	ug/l	100
3) Chloromethane	2.21	50	375777	50.144	ug/l	99
4) Vinyl Chloride	2.37	62	481674	48.865	ug/l	99
5) Bromomethane	2.78	94	332762	51.650	ug/l	99
6) Chloroethane	2.92	64	304597	52.406	ug/l	97
7) Trichlorofluoromethane	3.25	101	257325	47.951	ug/l	96
8) Diethyl Ether	3.67	74	271191	57.305	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	417859	50.058	ug/l	99
10) Methyl Iodide	4.27	142	703574	51.568	ug/l	99
11) Tert butyl alcohol	5.18	59	196747	260.020	ug/l	98
12) 1,1-Dichloroethene	4.03	96	438659	49.220	ug/l	94
13) Acrolein	3.89	56	98870	215.005	ug/l	98
14) Allyl chloride	4.65	41	560783	50.406	ug/l	99
15) Acrylonitrile	5.36	53	545672	258.923	ug/l	99
16) Acetone	4.12	43	475953	276.763	ug/l	99
17) Carbon Disulfide	4.38	76	1167818	48.481	ug/l	98
18) Methyl Acetate	4.67	43	282300	51.767	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	646062	52.002	ug/l	98
20) Methylene Chloride	4.91	84	480020	48.790	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	495527	50.110	ug/l	98
22) Diisopropyl ether	6.31	45	1397382	51.354	ug/l	99
23) Vinyl Acetate	6.25	43	4745466	251.406	ug/l	99
24) 1,1-Dichloroethane	6.21	63	854170	50.818	ug/l	98
25) 2-Butanone	7.17	43	830813	256.596	ug/l	99
26) 2,2-Dichloropropane	7.16	77	408654	48.138	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	584451	51.064	ug/l	99
28) Bromochloromethane	7.51	49	394751	55.615	ug/l	100
29) Tetrahydrofuran	7.52	42	543632	251.116	ug/l	99
30) Chloroform	7.67	83	904684	51.408	ug/l	98
31) Cyclohexane	7.95	56	739488	50.314	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	691287	50.470	ug/l	99
36) 1,1-Dichloropropene	8.08	75	668686	47.664	ug/l	99
37) Ethyl Acetate	7.26	43	365545	50.972	ug/l	99
38) Carbon Tetrachloride	8.06	117	697980	49.004	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	877061	47.330	ug/l	99
40) Benzene	8.32	78	2012767	49.162	ug/l	99
41) Methacrylonitrile	7.48	41	216519	50.671	ug/l	99
42) 1,2-Dichloroethane	8.40	62	599507	50.296	ug/l	100
43) Isopropyl Acetate	8.43	43	735602	50.006	ug/l	99
44) Trichloroethene	9.09	130	566683	48.565	ug/l	98
45) 1,2-Dichloropropane	9.37	63	511040	50.197	ug/l	98
46) Dibromomethane	9.46	93	292296	49.496	ug/l	99
47) Bromodichloromethane	9.64	83	736709	50.835	ug/l	99
48) Methyl methacrylate	9.43	41	332211	49.263	ug/l	98
49) 1,4-Dioxane	9.45	88	108046	1023.216	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	1885855	246.795	ug/l	100
52) Toluene	10.38	92	1340786	49.042	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	756691	49.391	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	861213	49.743	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	426140	49.781	ug/l	99
56) Ethyl methacrylate	10.65	69	607174	49.502	ug/l	100
57) 1,3-Dichloropropane	10.93	76	725121	50.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1427108	270.712	ug/l	100
59) 2-Hexanone	10.97	43	1337043	246.995	ug/l	99
60) Dibromochloromethane	11.13	129	535499	50.103	ug/l	99
61) 1,2-Dibromoethane	11.24	107	438702	50.770	ug/l	100
64) Tetrachloroethene	10.86	164	497913	50.229	ug/l	100
65) Chlorobenzene	11.66	112	1473675	49.579	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	549241	49.940	ug/l	99
67) Ethyl Benzene	11.73	91	2583474	48.915	ug/l	99
68) m/p-Xylenes	11.84	106	2045667	98.879	ug/l	99
69) o-Xylene	12.16	106	986374	49.414	ug/l	99
70) Styrene	12.18	104	1725591	49.574	ug/l	100
71) Bromoform	12.35	173	327423	51.041	ug/l #	99
73) Isopropylbenzene	12.46	105	2602379	48.988	ug/l	99
74) N-amyl acetate	12.27	43	732277	48.778	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	522125	49.868	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	676523	85.672	ug/l #	100
77) Bromobenzene	12.75	156	628305	51.058	ug/l	98
78) n-propylbenzene	12.80	91	3044802	49.050	ug/l	100
79) 2-Chlorotoluene	12.89	91	1800611	49.809	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	2239341	48.967	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	183127	47.802	ug/l	99
82) 4-Chlorotoluene	12.99	91	1878863	49.598	ug/l	100
83) tert-Butylbenzene	13.21	119	1900821	49.335	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	2267740	49.584	ug/l	99
85) sec-Butylbenzene	13.38	105	2666972	48.951	ug/l	100
86) p-Isopropyltoluene	13.50	119	2429458	48.939	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1183044	49.652	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1187245	49.860	ug/l	100
89) n-Butylbenzene	13.83	91	2300079	48.604	ug/l	100
90) Hexachloroethane	14.10	117	491111	49.951	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1107655	50.708	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	97816	49.984	ug/l	99

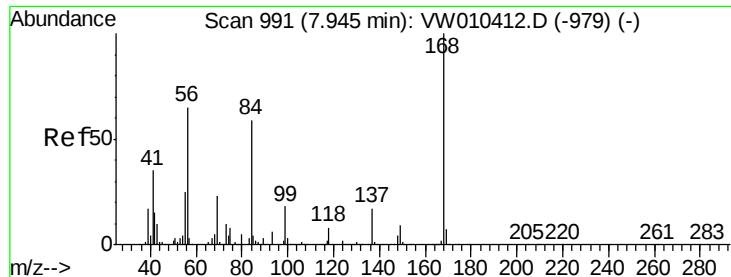
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	761703	50.332	ug/l	99
94) Hexachlorobutadiene	15.24	225	384220	49.892	ug/l	100
95) Naphthalene	15.37	128	1764073	52.079	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	694069	51.352	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

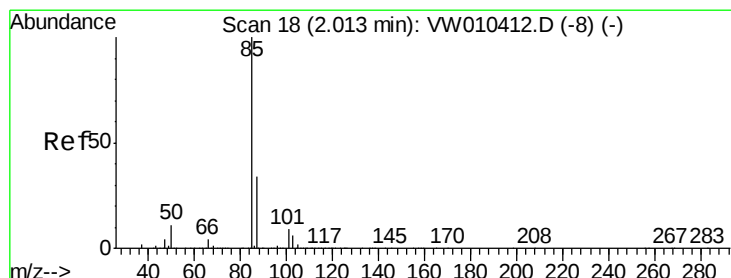
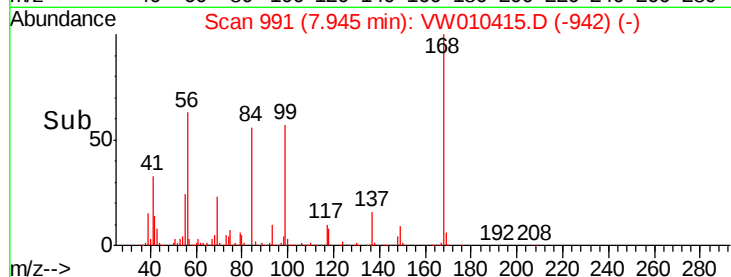
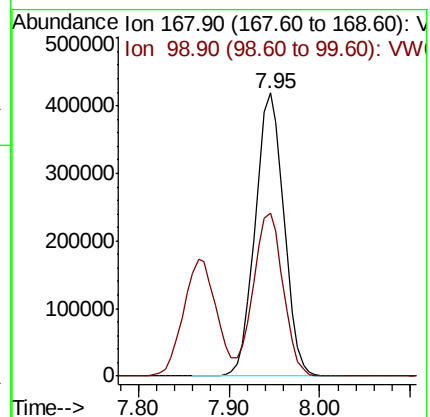
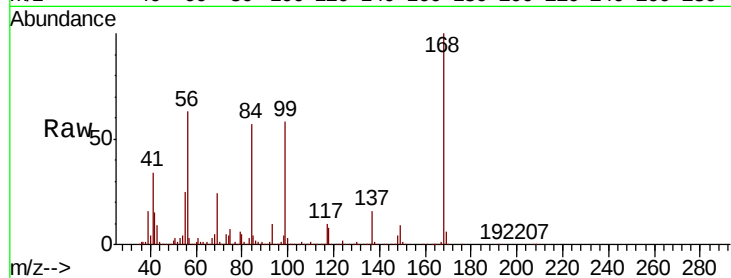
ICVW051619

Tgt Ion:168 Resp: 917150

Ion Ratio Lower Upper

168 100

99 57.4 45.6 68.4



#2

Dichlorodifluoromethane

Concen: 50.051 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010415.D

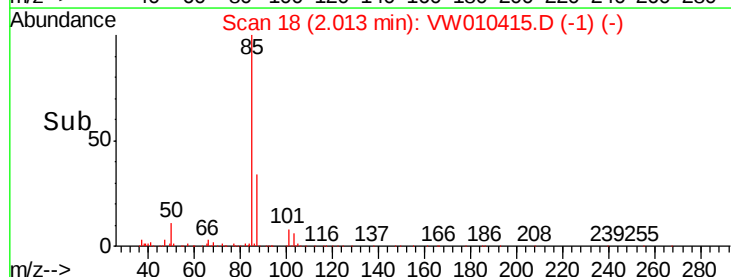
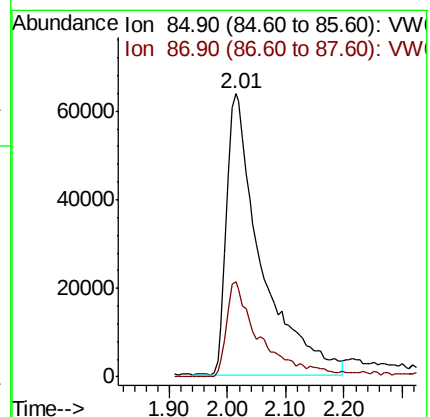
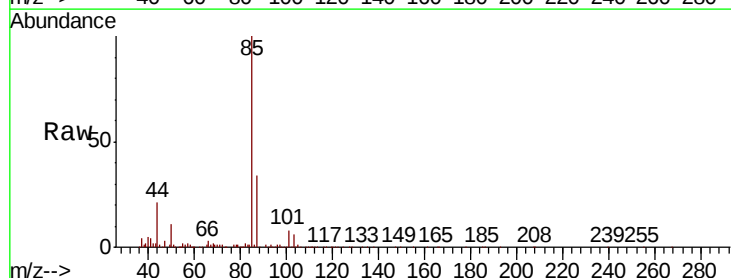
Acq: 16 May 2019 21:48

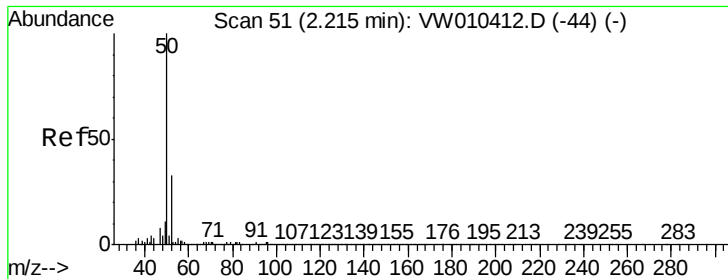
Tgt Ion: 85 Resp: 260024

Ion Ratio Lower Upper

85 100

87 33.9 16.9 50.7





#3

Chloromethane

Concen: 50.144 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

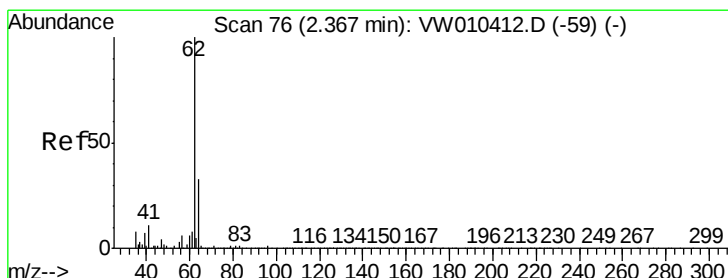
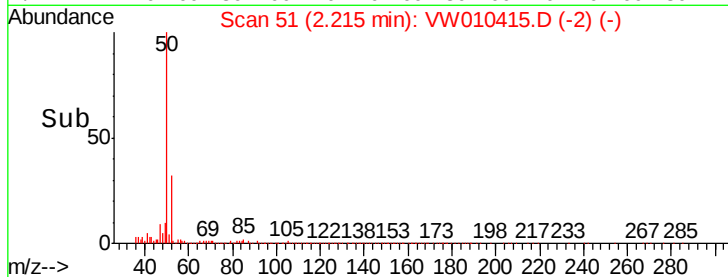
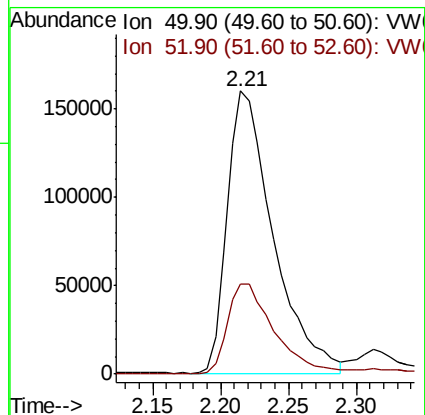
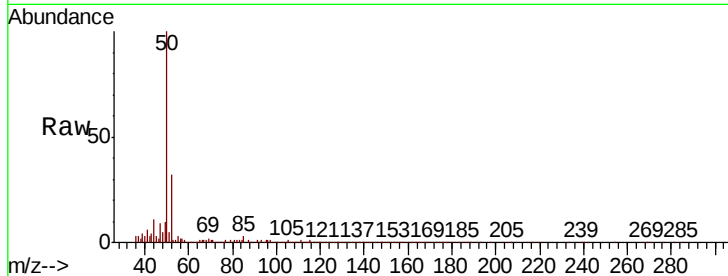
ICVW051619

Tgt Ion: 50 Resp: 375777

Ion Ratio Lower Upper

50 100

52 31.9 26.2 39.2



#4

Vinyl Chloride

Concen: 48.865 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010415.D

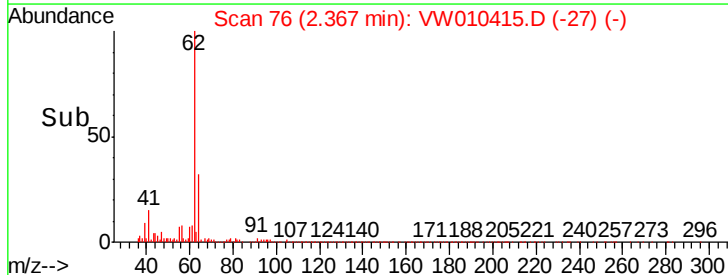
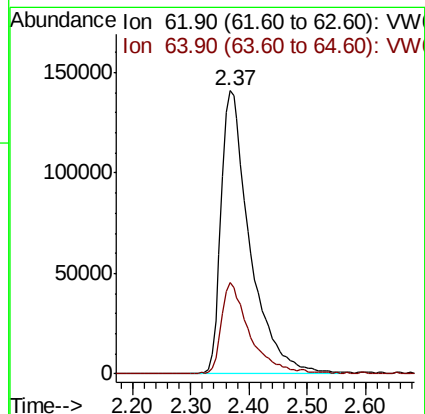
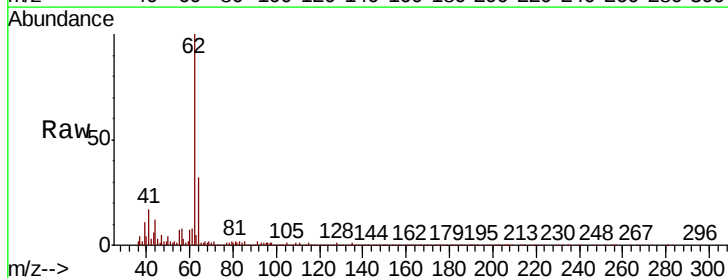
Acq: 16 May 2019 21:48

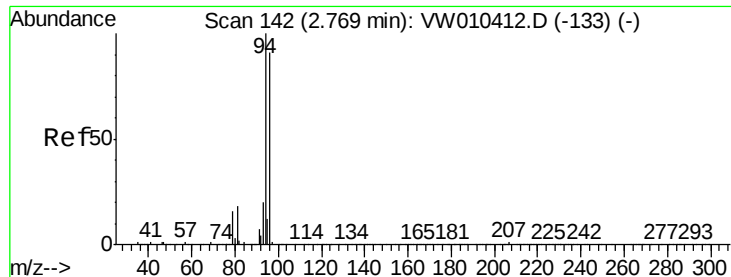
Tgt Ion: 62 Resp: 481674

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 51.650 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

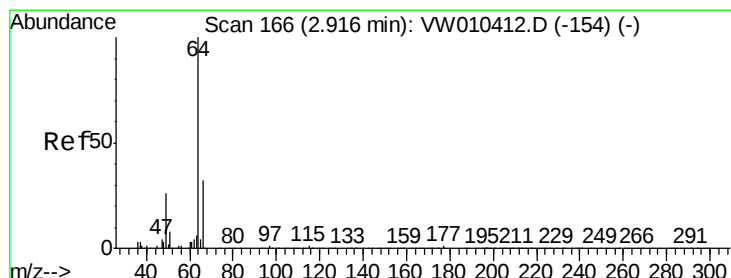
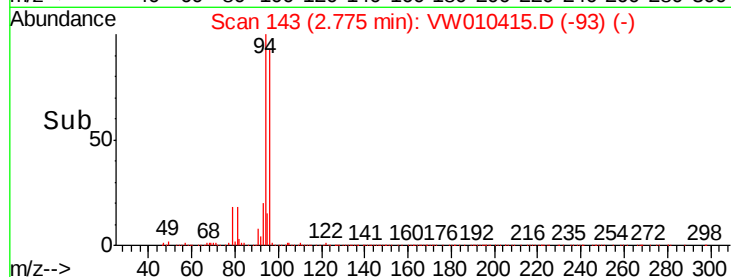
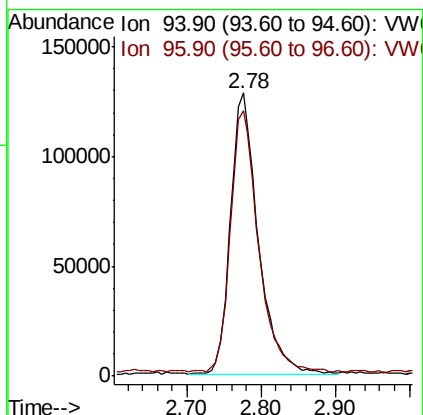
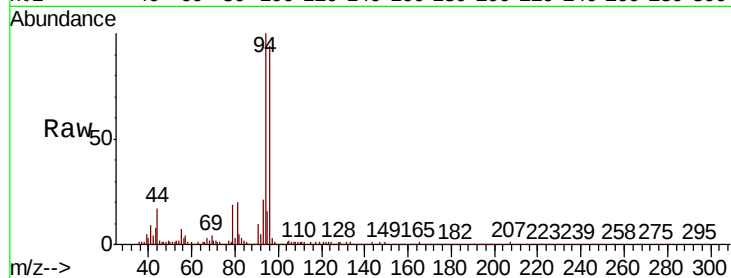
ICVW051619

Tgt Ion: 94 Resp: 332762

Ion Ratio Lower Upper

94 100

96 93.1 73.4 110.2



#6

Chloroethane

Concen: 52.406 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW010415.D

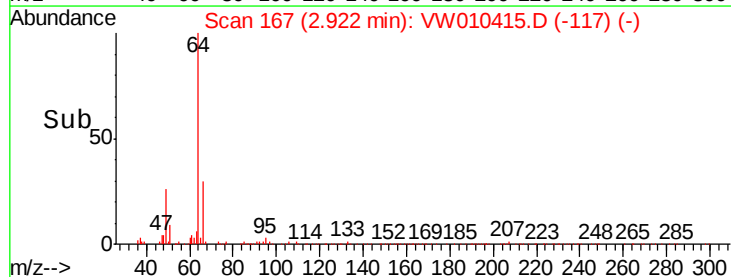
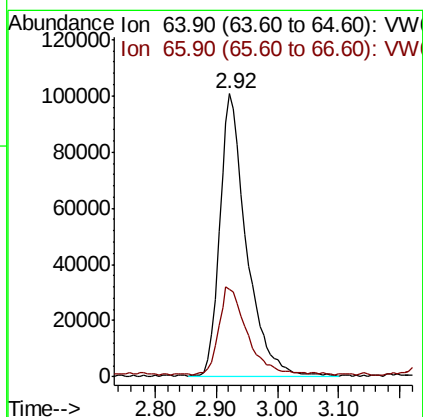
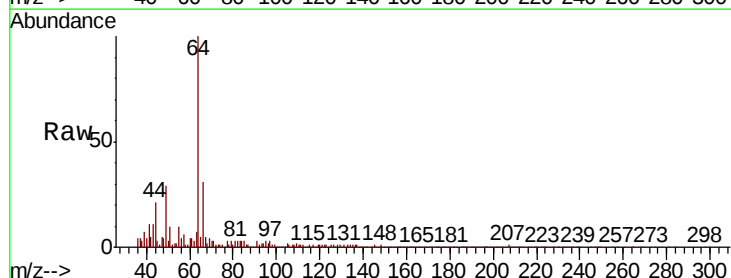
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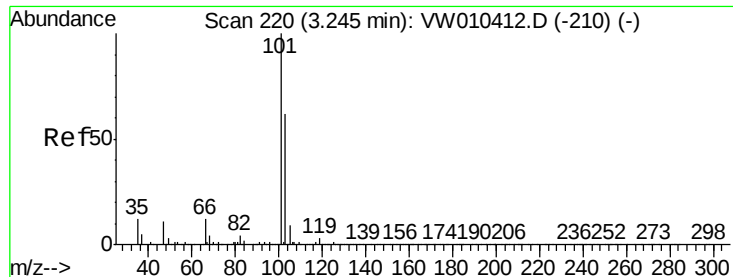
Tgt Ion: 64 Resp: 304597

Ion Ratio Lower Upper

64 100

66 30.0 25.4 38.0



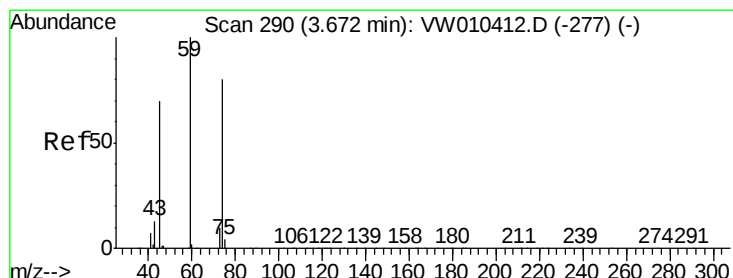
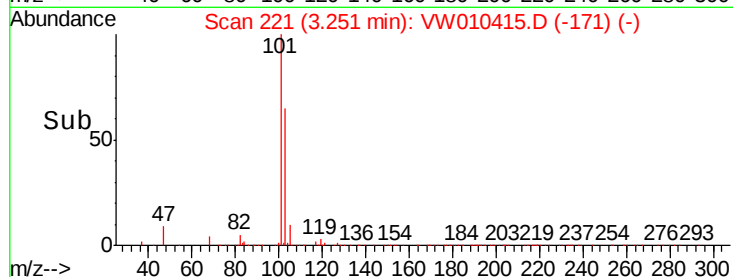
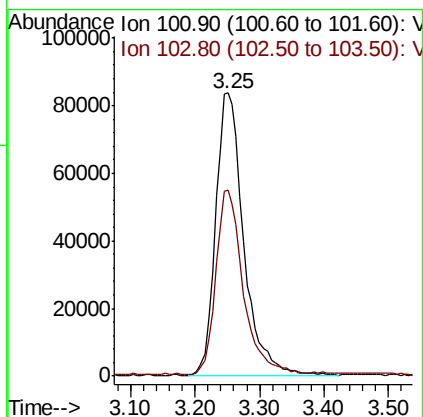
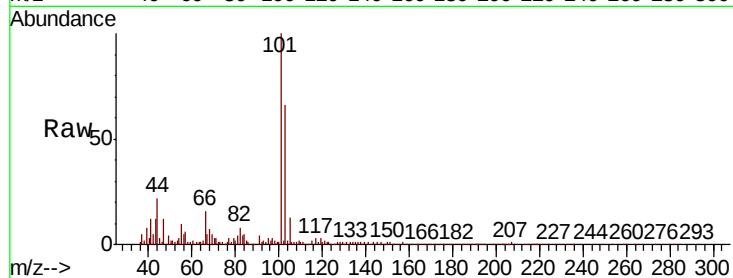


#7

Trichlorofluoromethane
 Concen: 47.951 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VW010415.D
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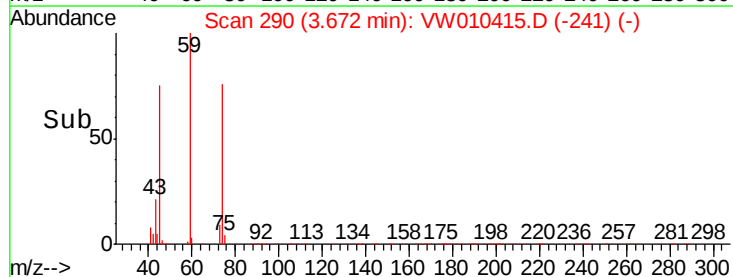
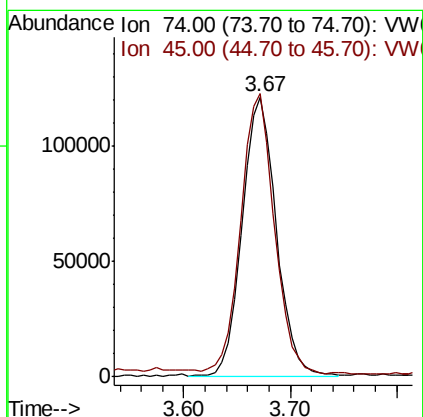
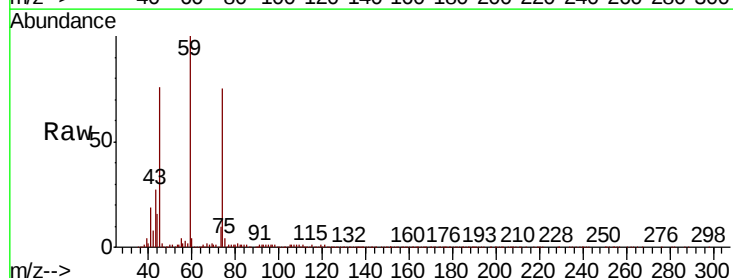
Tgt Ion: 101 Resp: 257325
 Ion Ratio Lower Upper
 101 100
 103 65.1 49.9 74.9

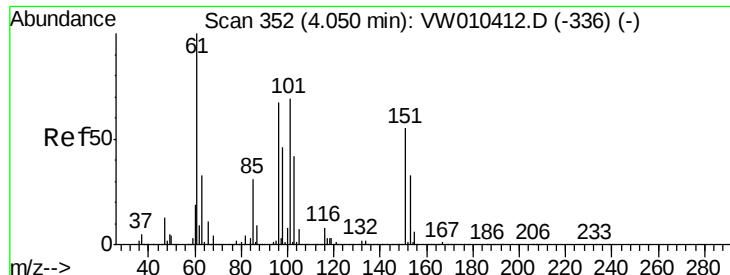


#8

Diethyl Ether
 Concen: 57.305 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

Tgt Ion: 74 Resp: 271191
 Ion Ratio Lower Upper
 74 100
 45 98.8 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.058 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

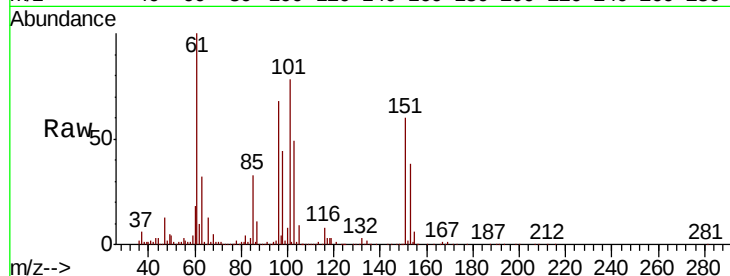
Tgt Ion:101 Resp: 417859

Ion Ratio Lower Upper

101 100

85 42.5 35.0 52.4

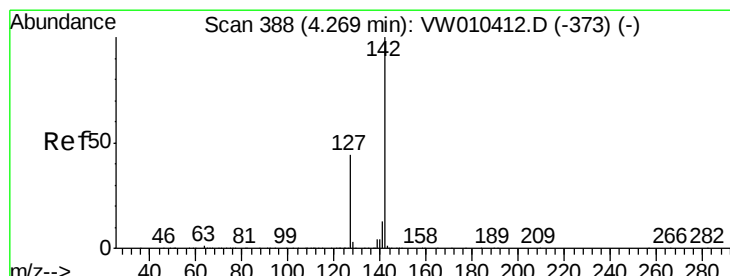
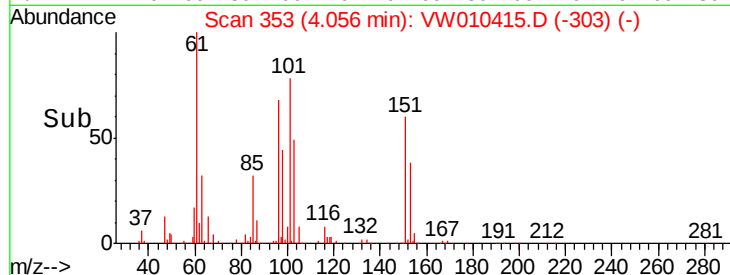
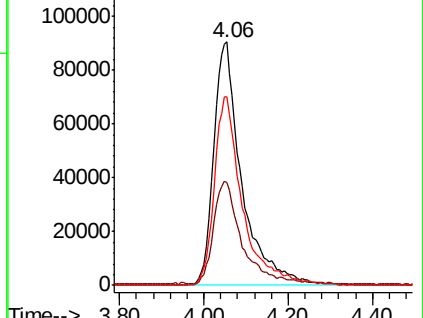
151 77.2 61.8 92.6



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: 51.568 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

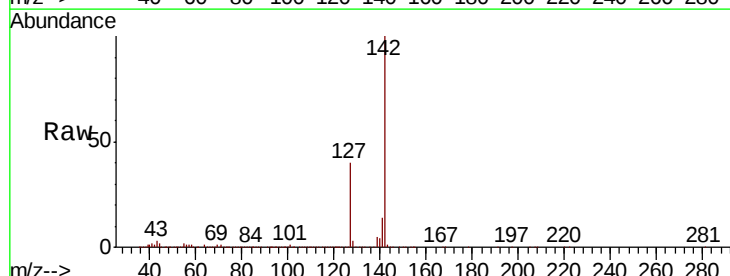
Tgt Ion:142 Resp: 703574

Ion Ratio Lower Upper

142 100

127 42.3 34.5 51.7

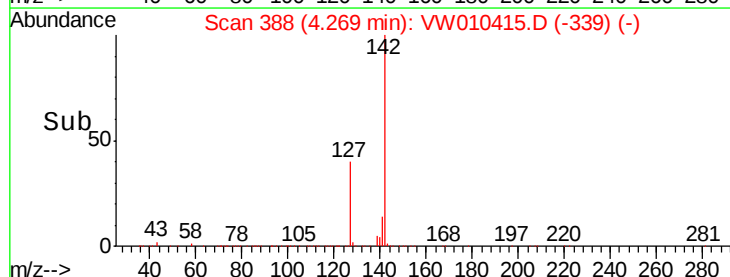
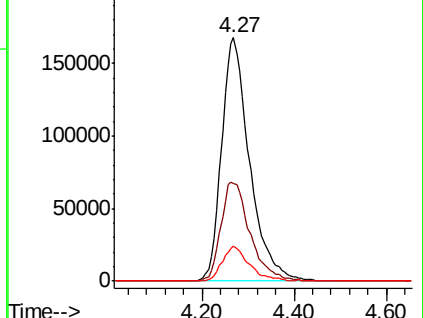
141 13.8 11.4 17.0

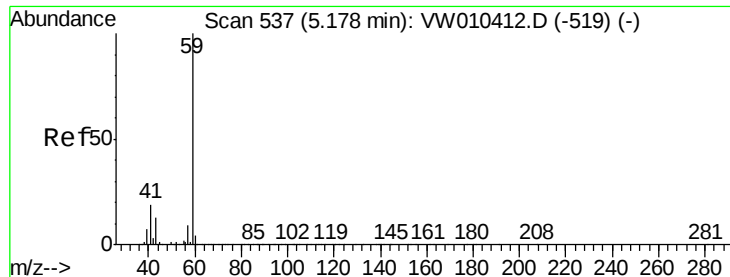


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



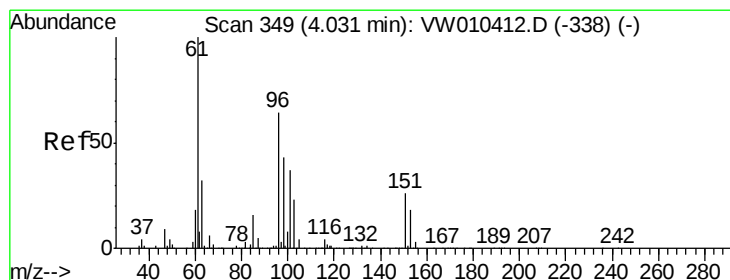
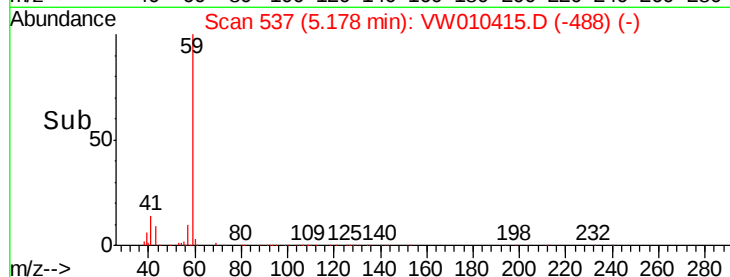
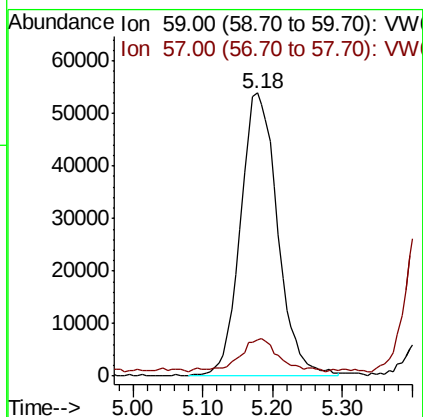
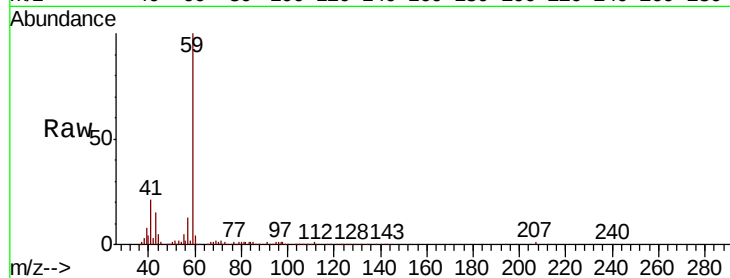


#11

Tert butyl alcohol
Concen: 260.020 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

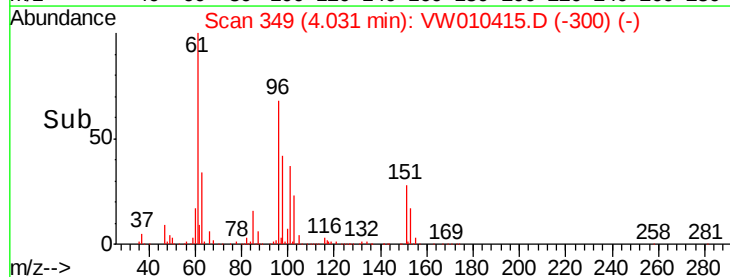
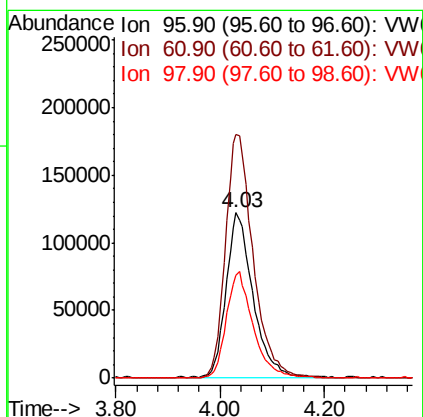
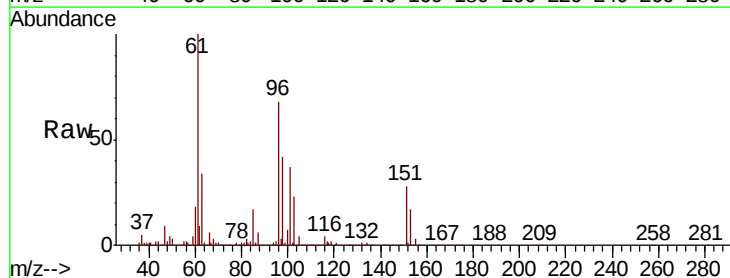
Tgt Ion: 59 Resp: 196747
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

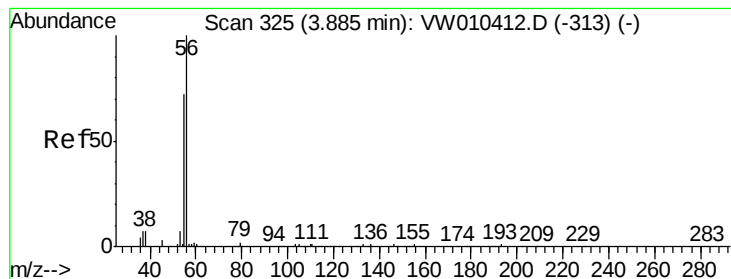


#12

1,1-Dichloroethene
Concen: 49.220 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion: 96 Resp: 438659
Ion Ratio Lower Upper
96 100
61 147.7 124.1 186.1
98 62.0 53.4 80.0





#13

Acrolein

Concen: 215.005 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

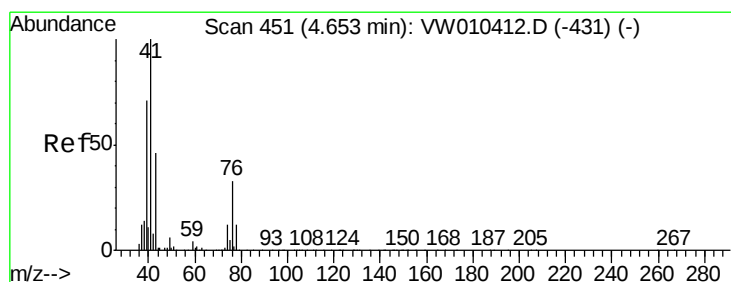
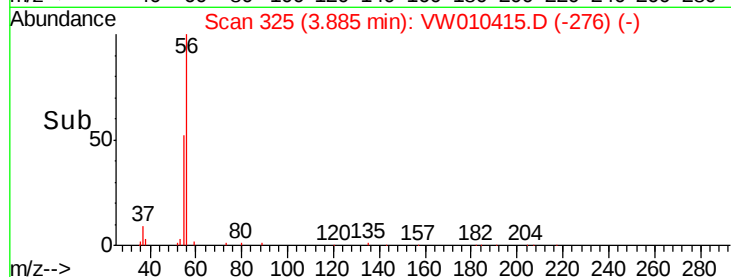
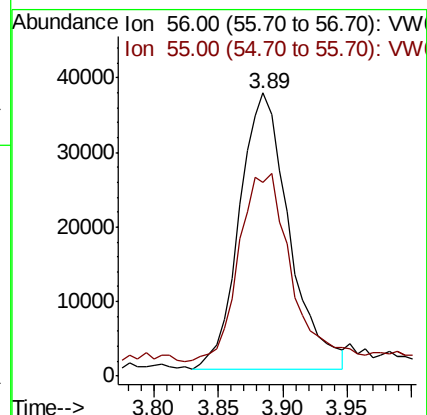
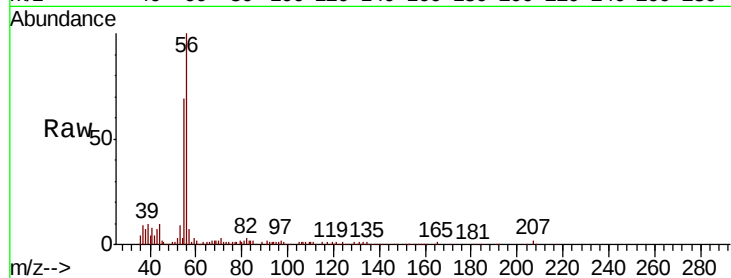
ICVW051619

Tgt Ion: 56 Resp: 98870

Ion Ratio Lower Upper

56 100

55 71.7 56.1 84.1



#14

Allyl chloride

Concen: 50.406 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

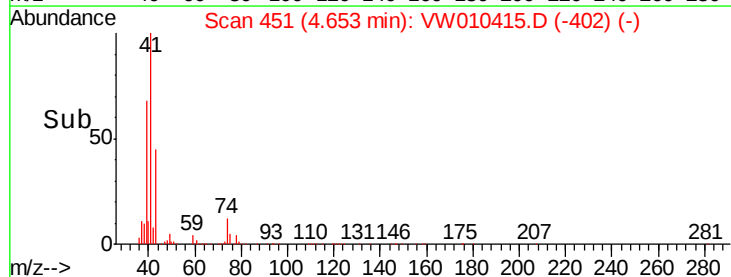
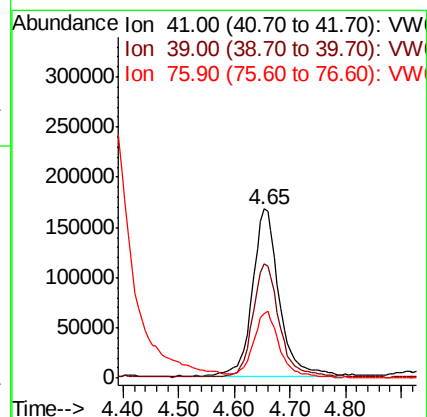
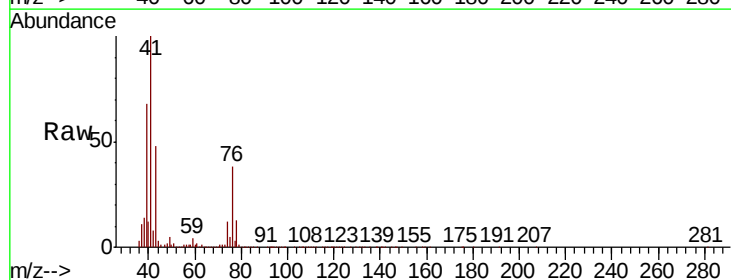
Tgt Ion: 41 Resp: 560783

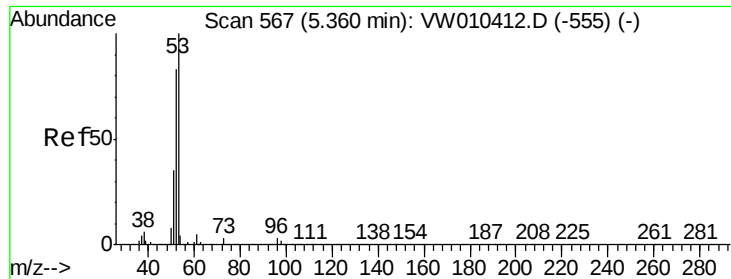
Ion Ratio Lower Upper

41 100

39 67.1 54.3 81.5

76 38.8 30.7 46.1





#15

Acrylonitrile

Concen: 258.923 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

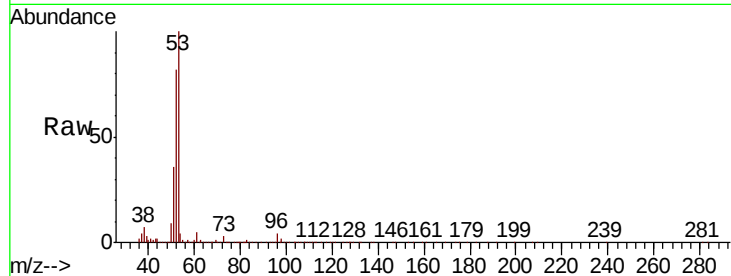
Tgt Ion: 53 Resp: 545672

Ion Ratio Lower Upper

53 100

52 81.2 66.2 99.2

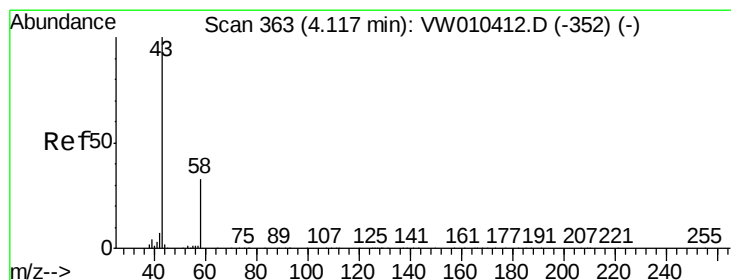
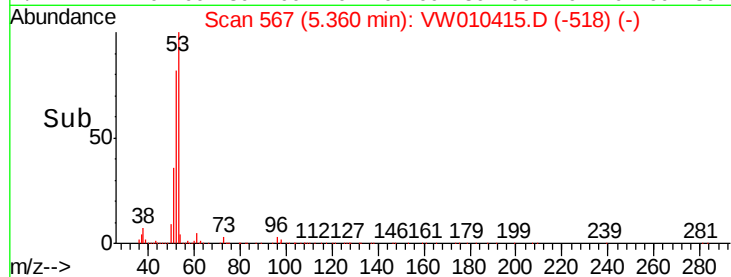
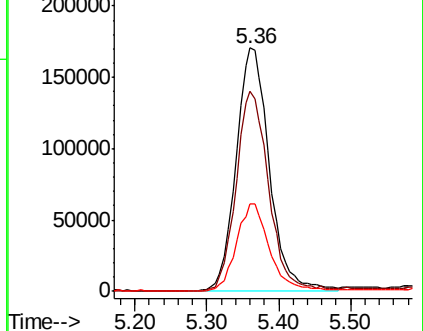
51 35.9 28.9 43.3



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: 276.763 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010415.D

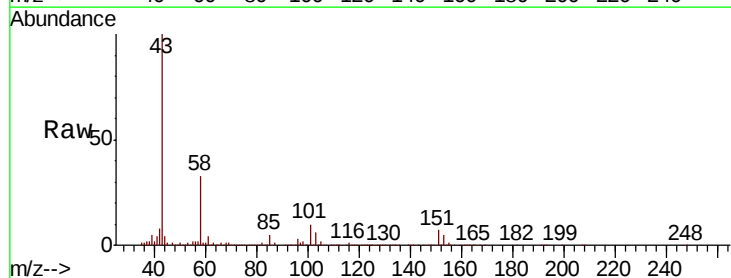
Acq: 16 May 2019 21:48

Tgt Ion: 43 Resp: 475953

Ion Ratio Lower Upper

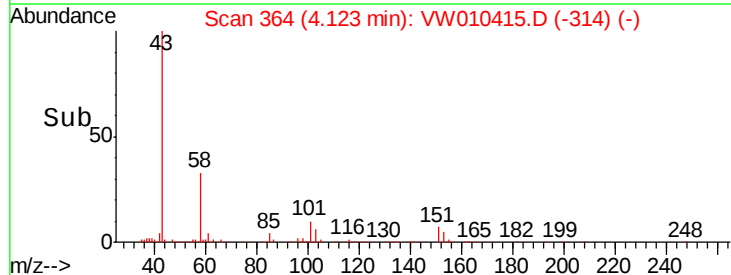
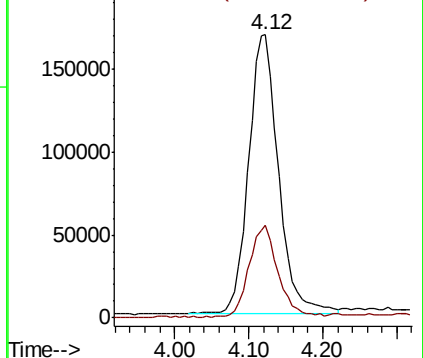
43 100

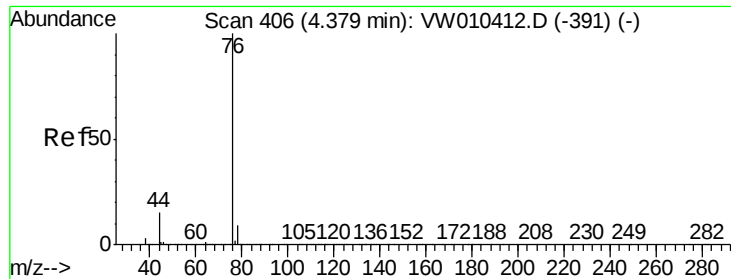
58 32.8 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

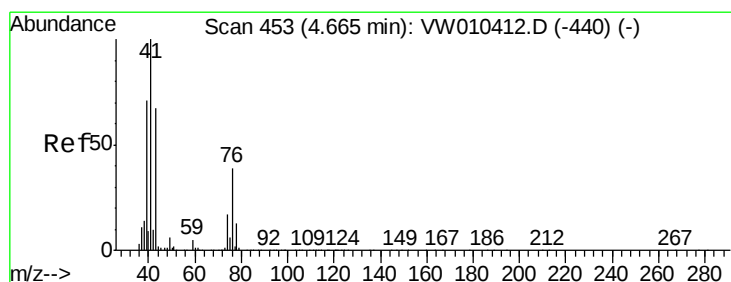
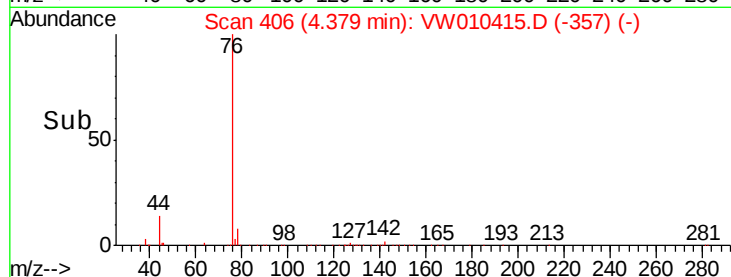
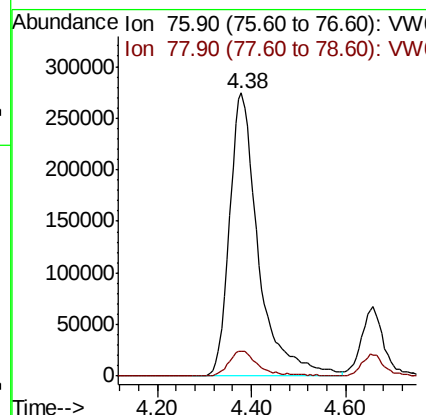
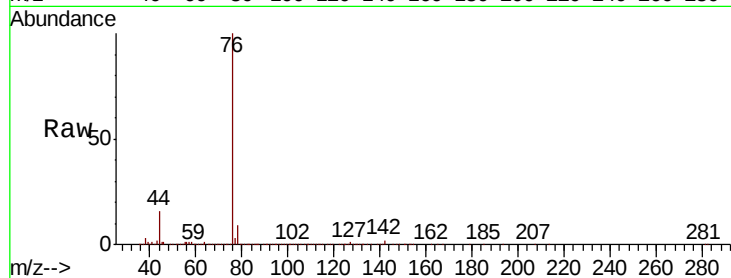




#17
Carbon Disulfide
Concen: 48.481 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

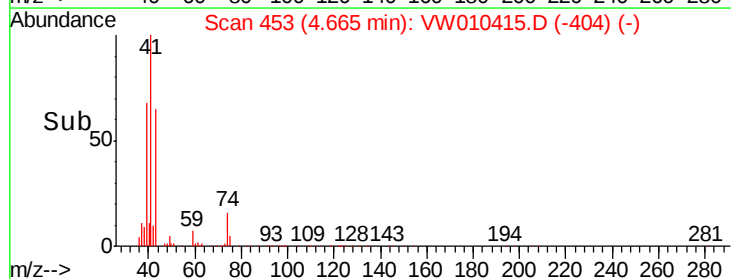
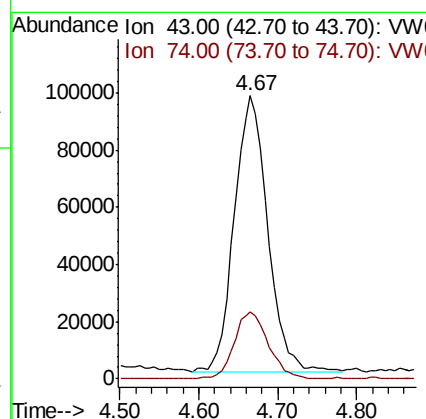
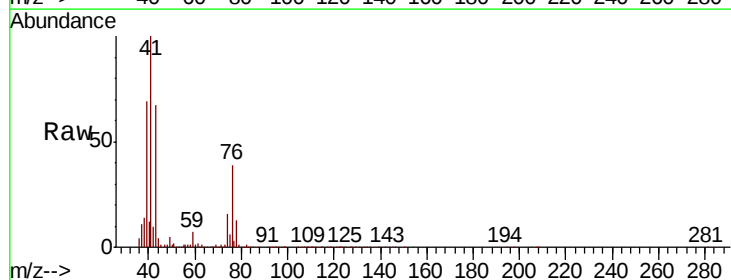
Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

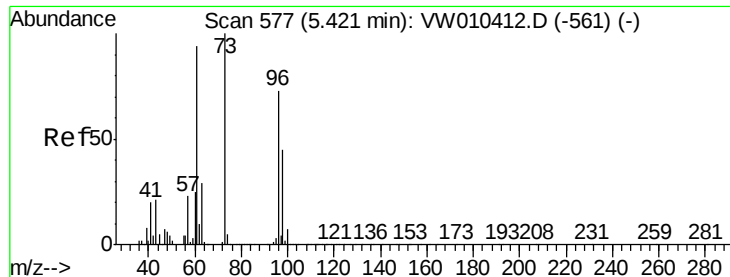
Tgt Ion: 76 Resp: 1167818
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#18
Methyl Acetate
Concen: 51.767 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion: 43 Resp: 282300
Ion Ratio Lower Upper
43 100
74 25.0 20.7 31.1



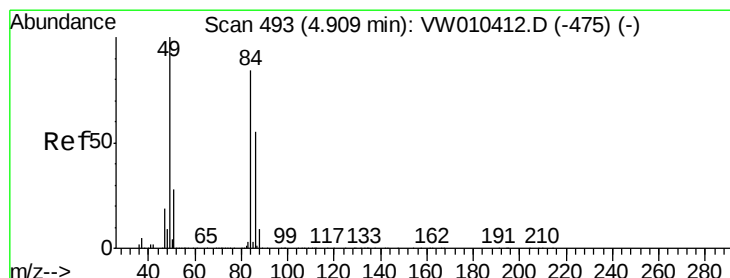
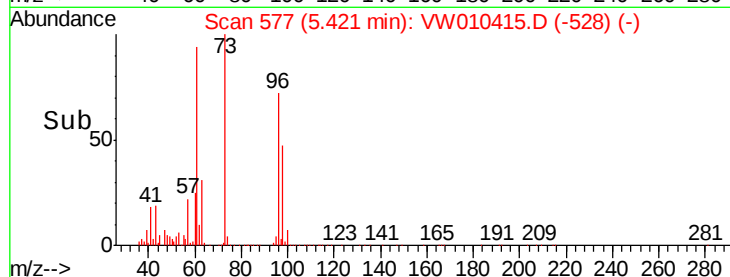
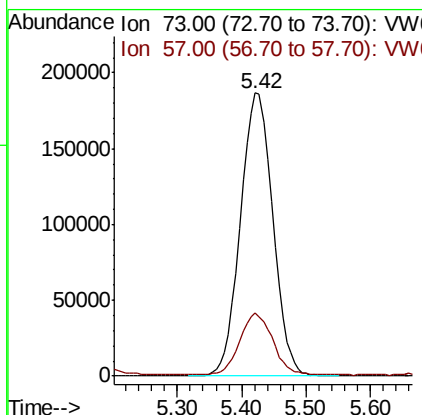
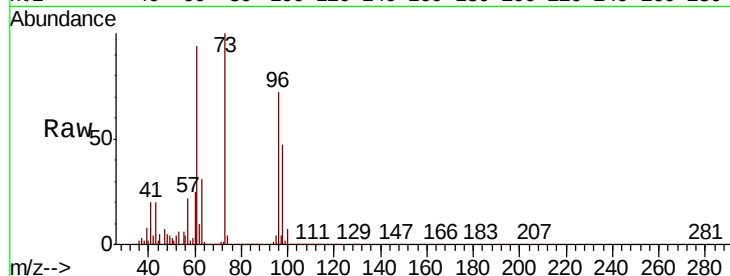


#19

Methyl tert-butyl Ether
 Concen: 52.002 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051619

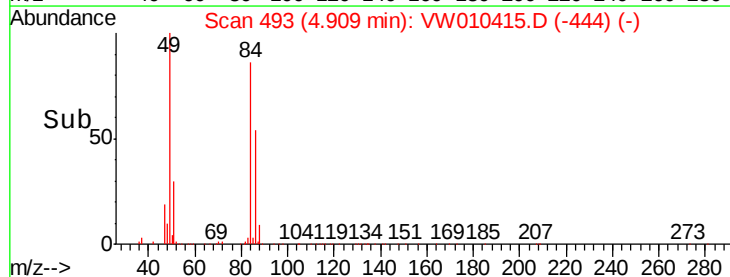
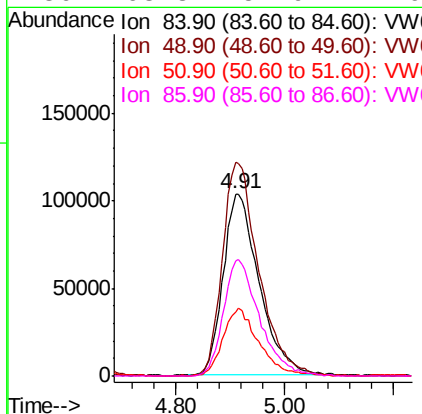
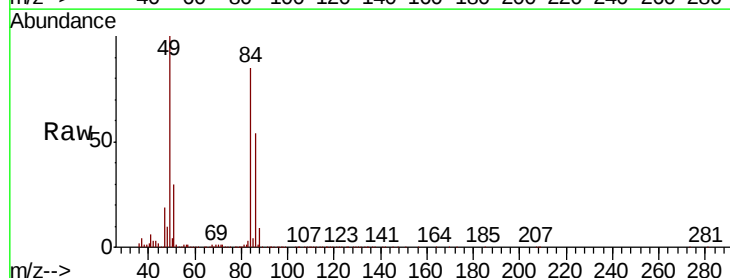
Tgt Ion: 73 Resp: 646062
 Ion Ratio Lower Upper
 73 100
 57 21.7 18.2 27.4

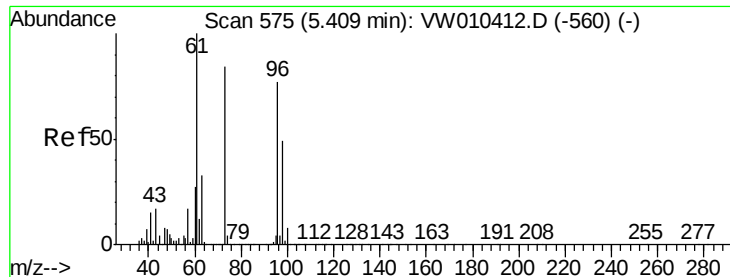


#20

Methylene Chloride
 Concen: 48.790 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

Tgt Ion: 84 Resp: 480020
 Ion Ratio Lower Upper
 84 100
 49 117.5 95.0 142.4
 51 34.8 27.0 40.4
 86 63.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 50.110 ug/l

RT: 5.41 min Scan# 575

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

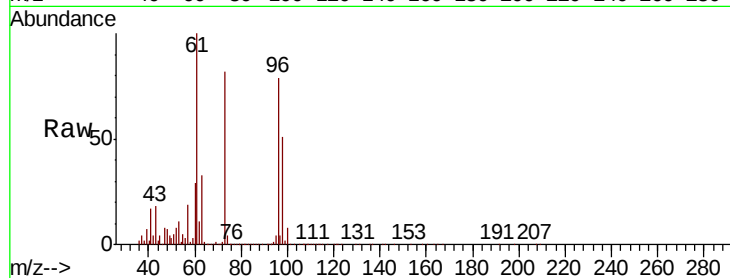
Tgt Ion: 96 Resp: 495527

Ion Ratio Lower Upper

96 100

61 126.1 103.6 155.4

98 63.8 50.4 75.6

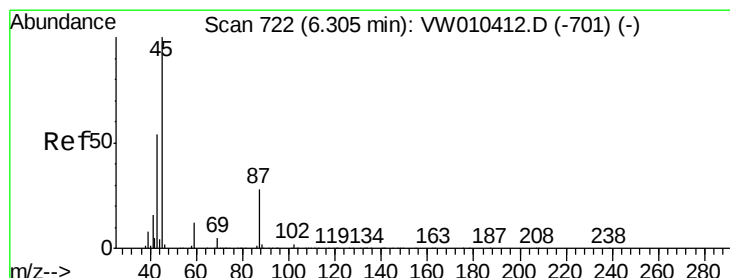
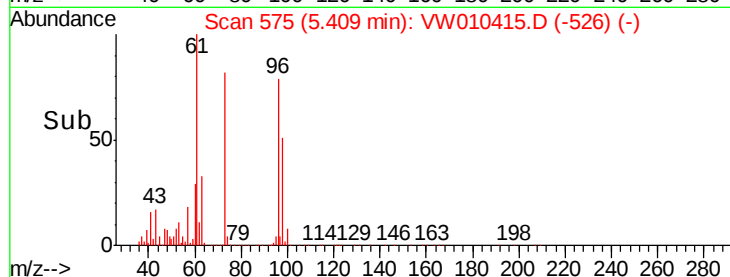
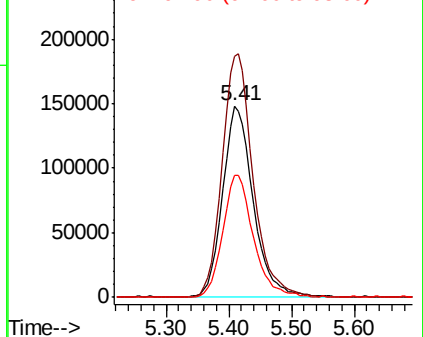


Abundance

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: 51.354 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Tgt Ion: 45 Resp: 1397382

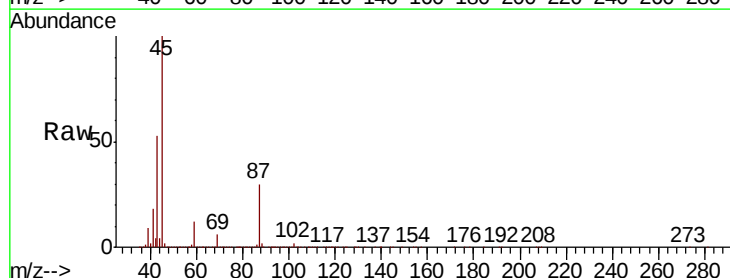
Ion Ratio Lower Upper

45 100

43 53.0 43.1 64.7

87 29.5 22.7 34.1

59 12.1 9.4 14.2



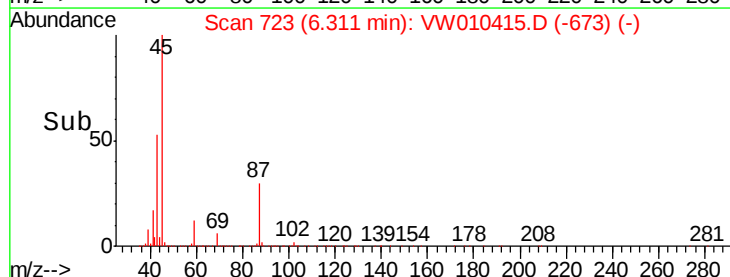
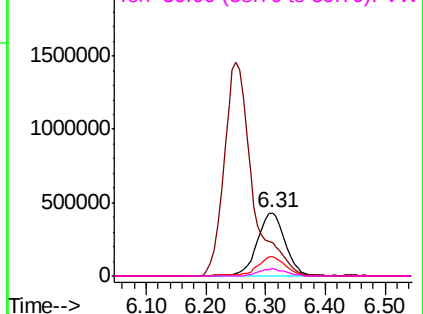
Abundance

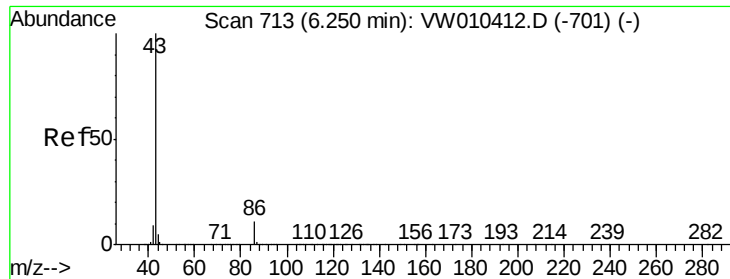
Ion 45.00 (44.70 to 45.70): VW

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

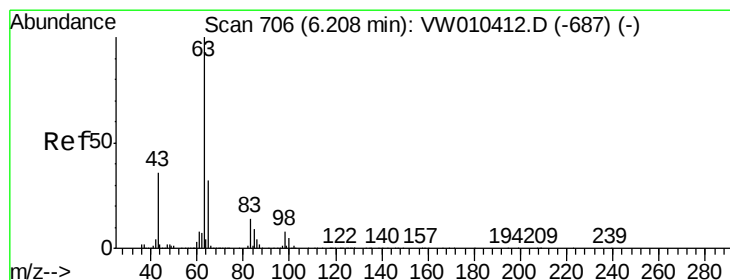
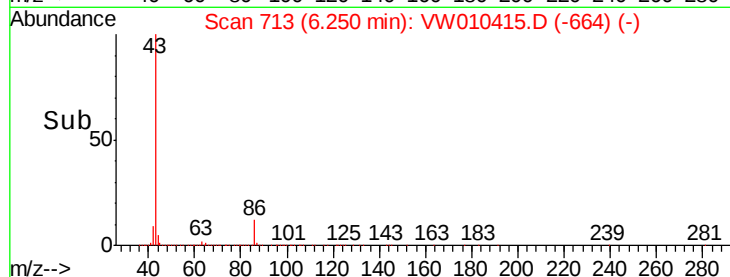
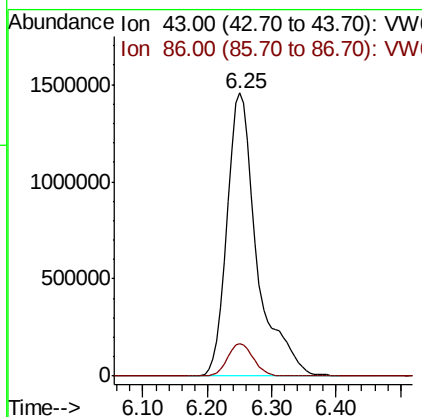
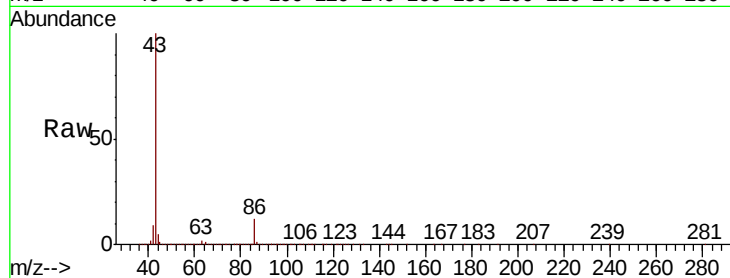




#23
 Vinyl Acetate
 Concen: 251.406 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

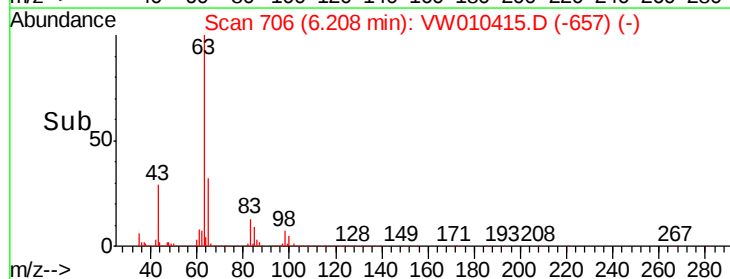
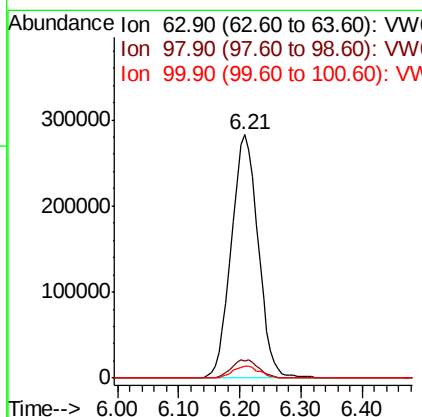
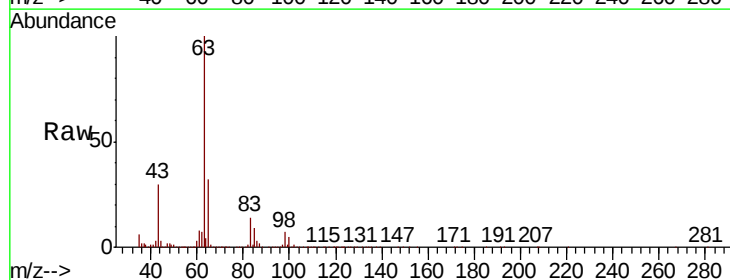
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051619

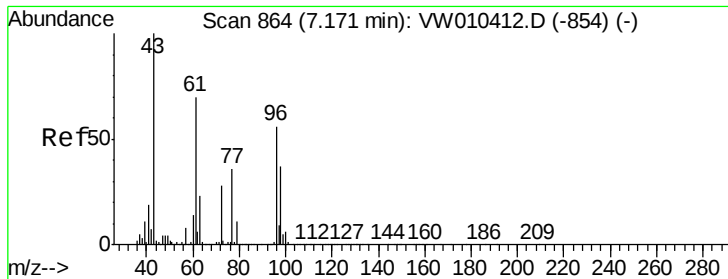
Tgt Ion: 43 Resp: 4745466
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 50.818 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

Tgt Ion: 63 Resp: 854170
 Ion Ratio Lower Upper
 63 100
 98 7.0 4.1 12.3
 100 5.1 2.4 7.2





#25

2-Butanone

Concen: 256.596 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

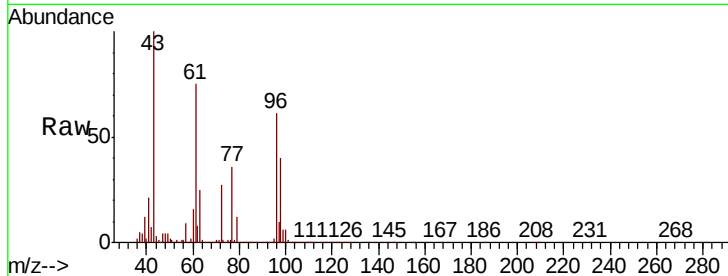
ICVW051619

Tgt Ion: 43 Resp: 830813

Ion Ratio Lower Upper

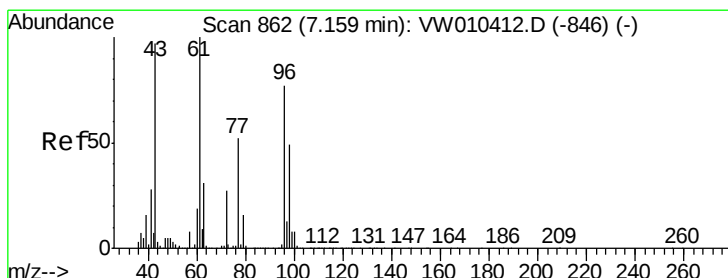
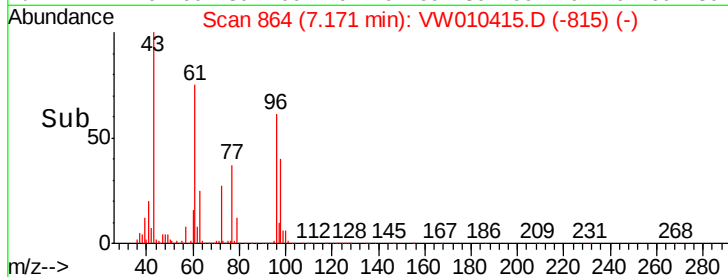
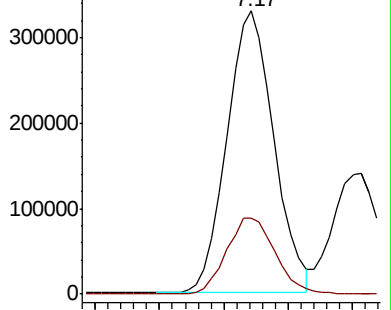
43 100

72 27.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 48.138 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010415.D

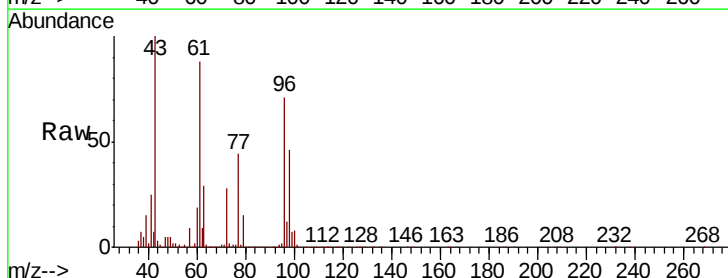
Acq: 16 May 2019 21:48

Tgt Ion: 77 Resp: 408654

Ion Ratio Lower Upper

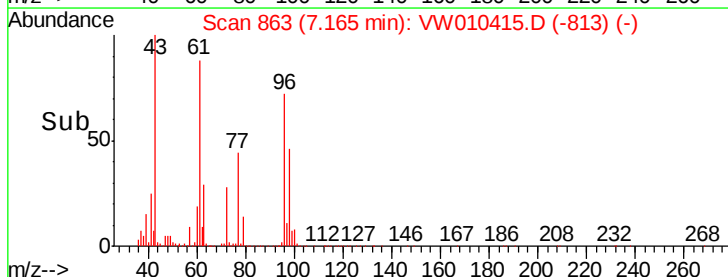
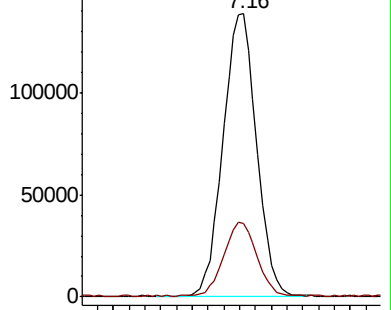
77 100

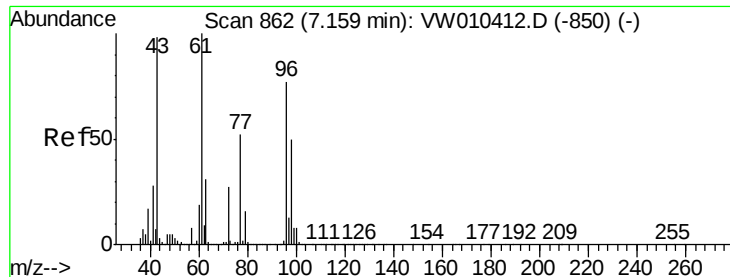
97 25.6 12.7 38.0



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



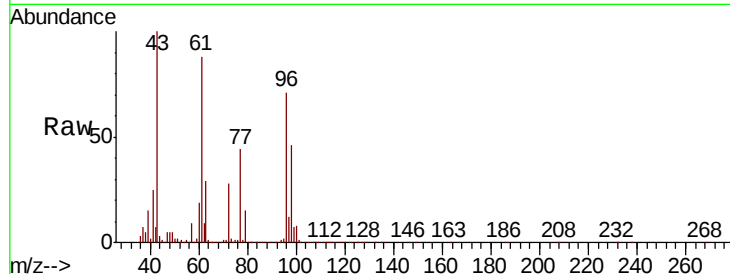


#27

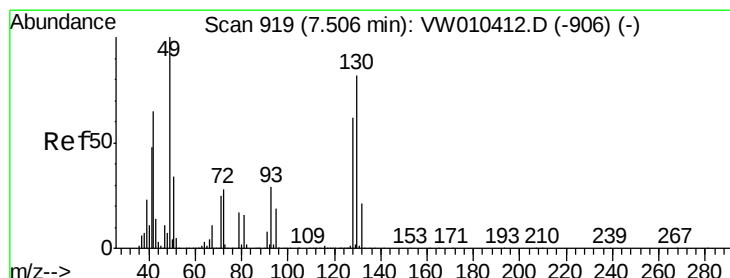
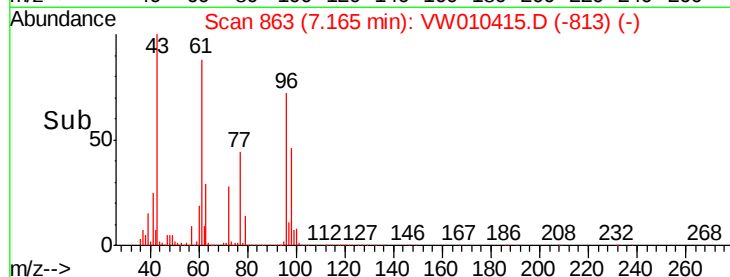
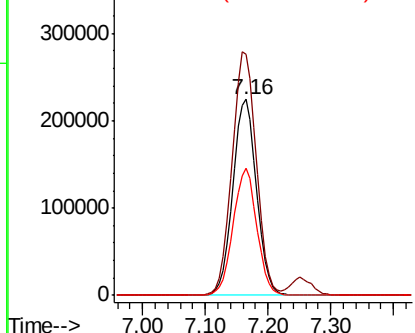
cis-1,2-Dichloroethene
Concen: 51.064 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

Tgt Ion: 96 Resp: 584451
Ion Ratio Lower Upper
96 100
61 127.6 0.0 257.8
98 64.5 0.0 128.4



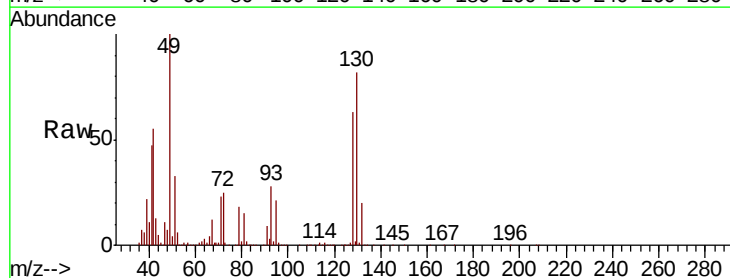
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



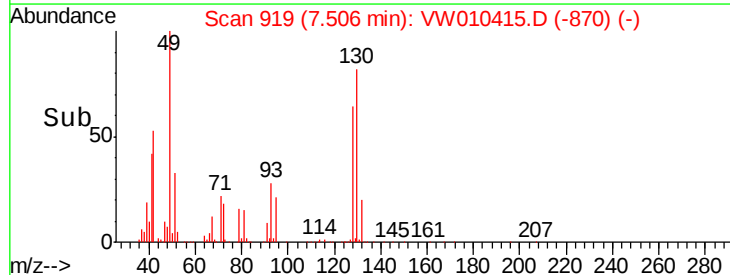
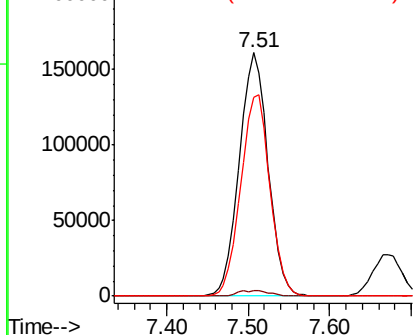
#28

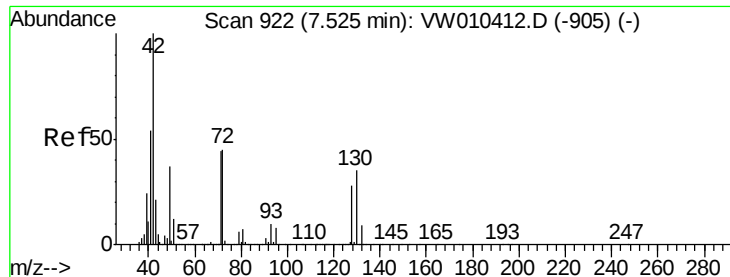
Bromochloromethane
Concen: 55.615 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion: 49 Resp: 394751
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.8
130 84.1 67.0 100.4



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





#29

Tetrahydrofuran

Concen: 251.116 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

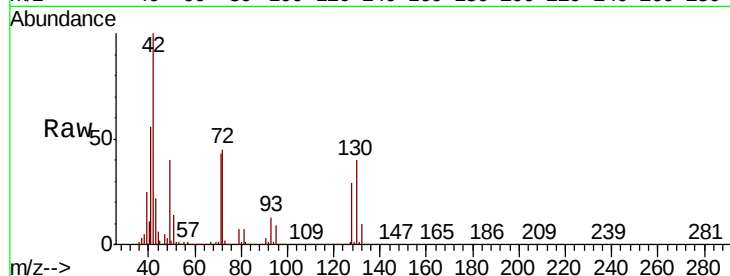
Tgt Ion: 42 Resp: 543632

Ion Ratio Lower Upper

42 100

72 45.8 35.6 53.4

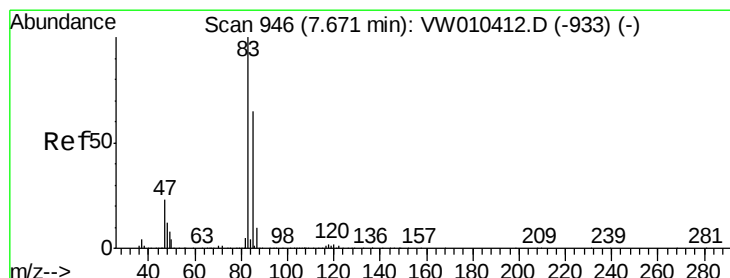
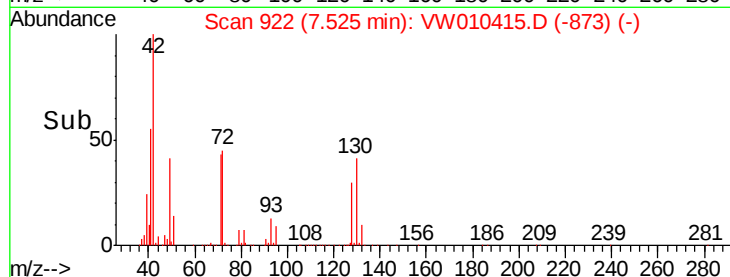
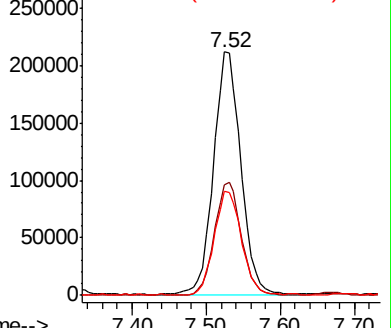
71 42.1 33.7 50.5



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: 51.408 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010415.D

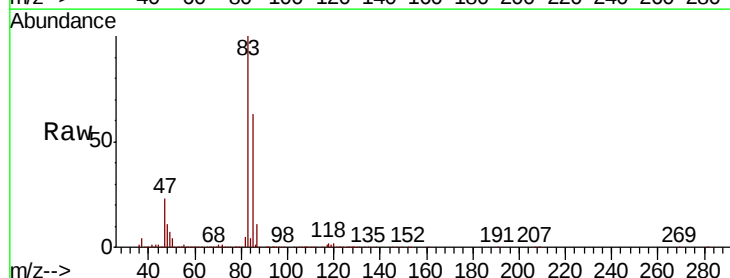
Acq: 16 May 2019 21:48

Tgt Ion: 83 Resp: 904684

Ion Ratio Lower Upper

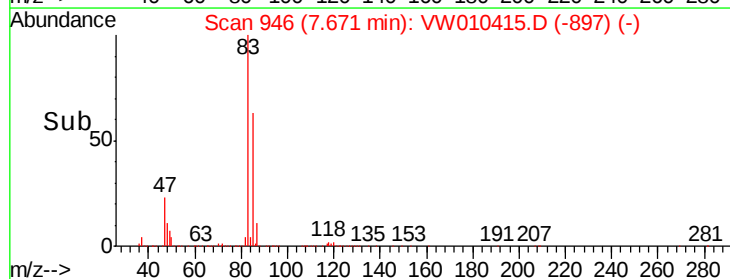
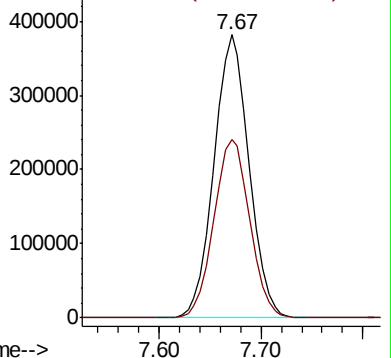
83 100

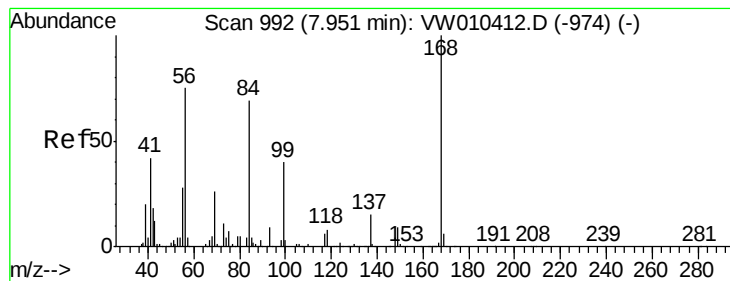
85 63.1 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 50.314 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

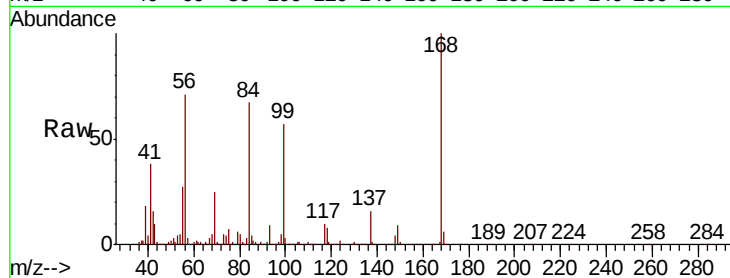
Tgt Ion: 56 Resp: 739488

Ion Ratio Lower Upper

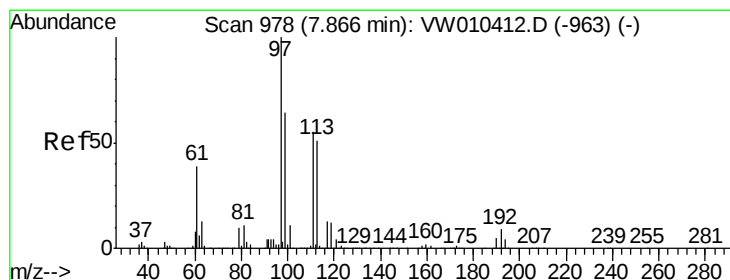
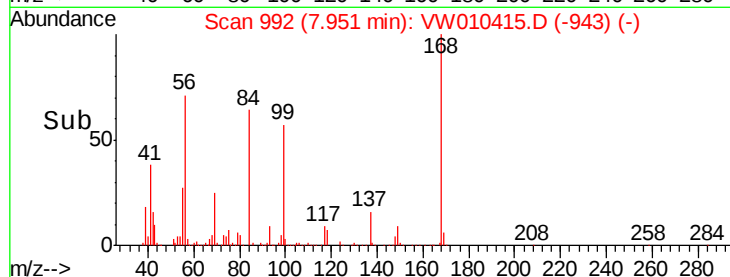
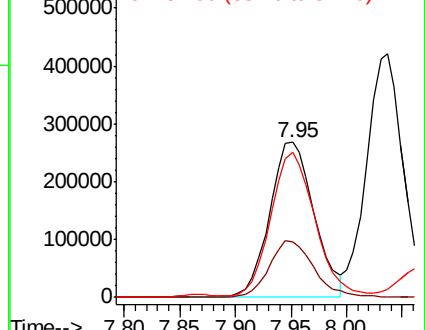
56 100

69 35.4 27.9 41.9

84 92.2 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 50.470 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

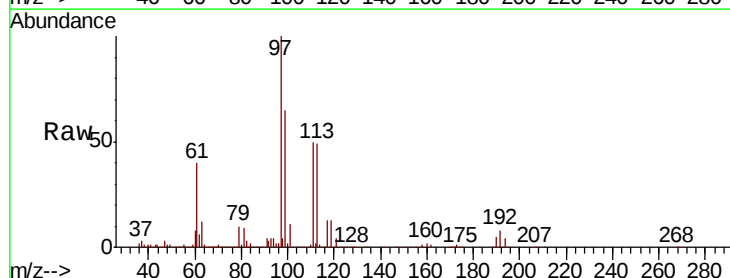
Tgt Ion: 97 Resp: 691287

Ion Ratio Lower Upper

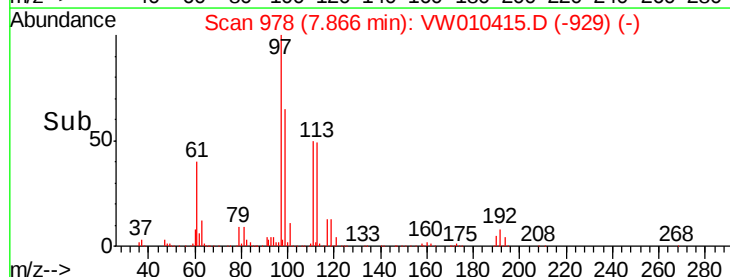
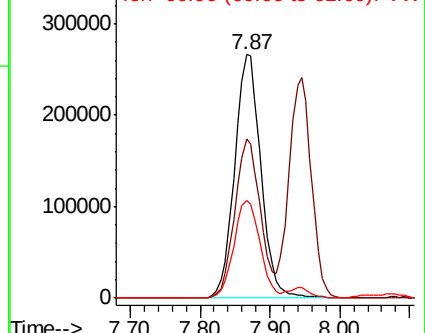
97 100

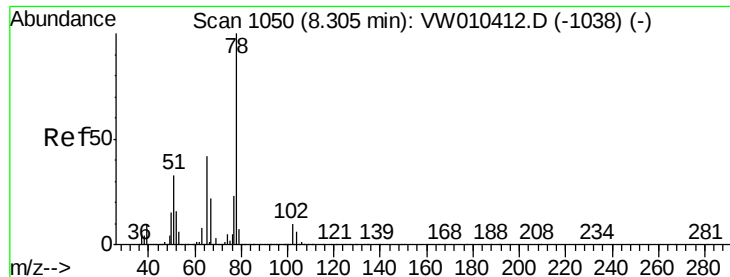
99 64.5 50.6 76.0

61 40.2 31.9 47.9



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: 51.634 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

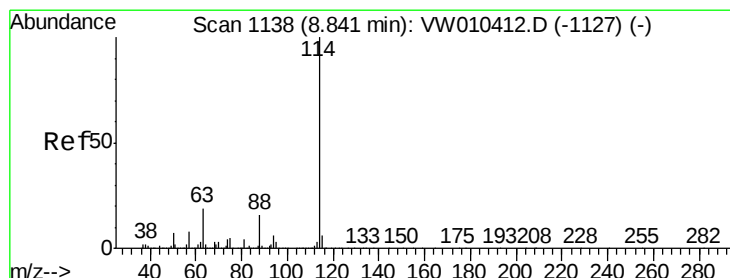
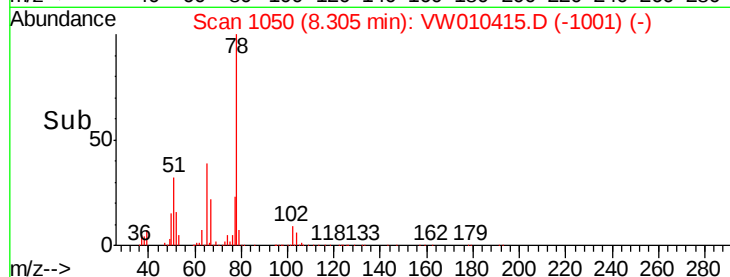
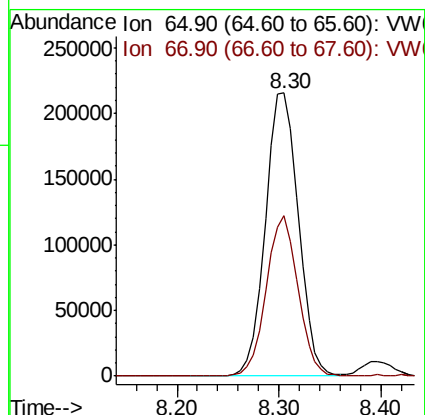
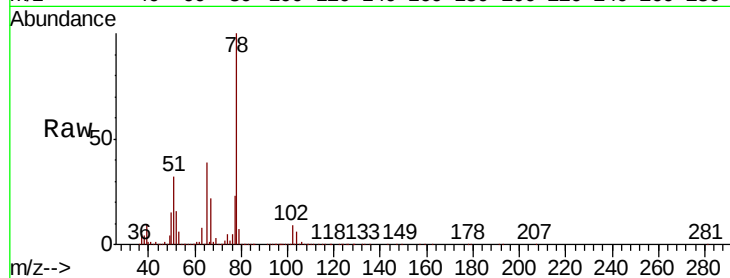
ICVW051619

Tgt Ion: 65 Resp: 483169

Ion Ratio Lower Upper

65 100

67 54.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

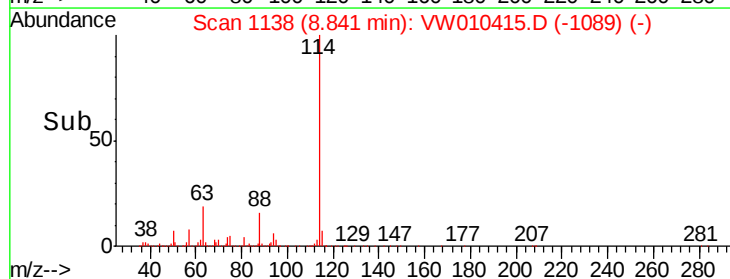
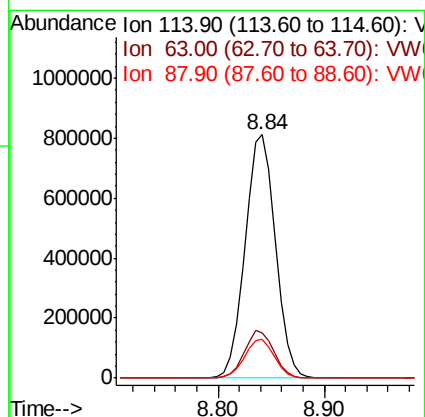
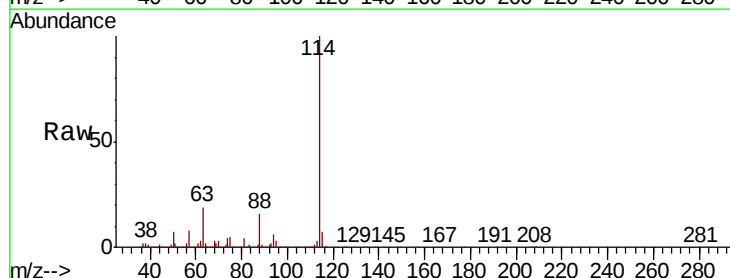
Tgt Ion: 114 Resp: 1627296

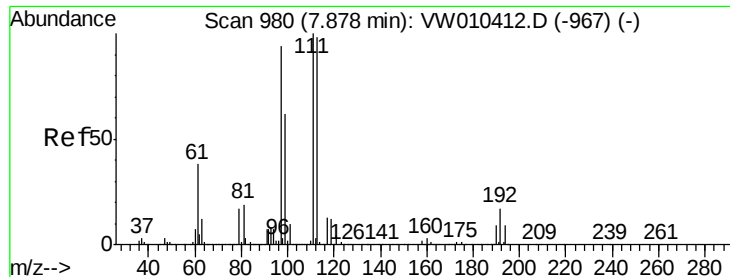
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.6

88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.378 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

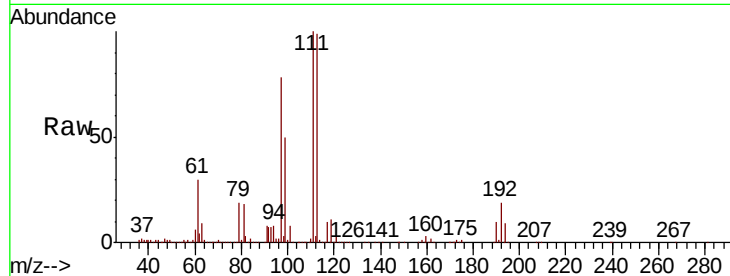
Tgt Ion:113 Resp: 486316

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

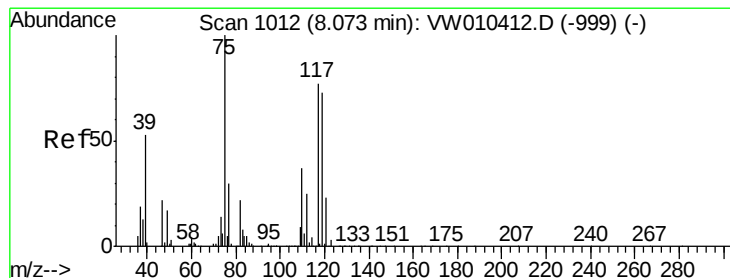
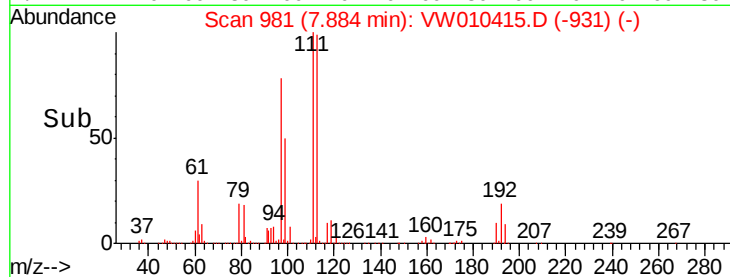
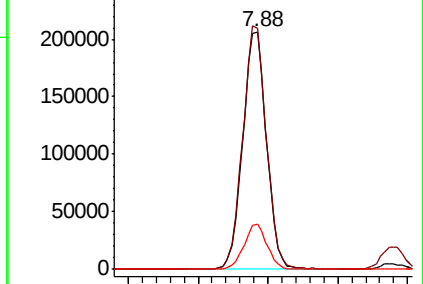
192 18.4 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.664 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

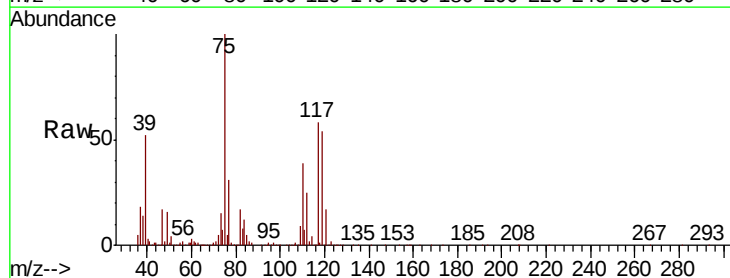
Tgt Ion: 75 Resp: 668686

Ion Ratio Lower Upper

75 100

110 38.1 18.9 56.7

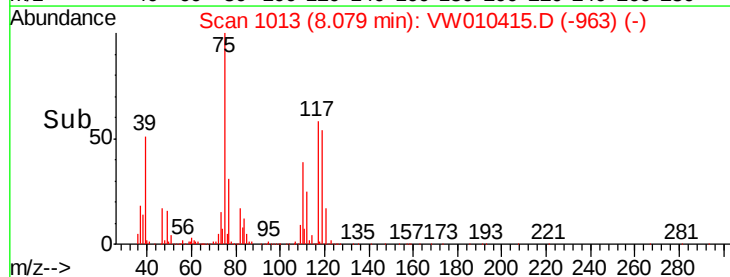
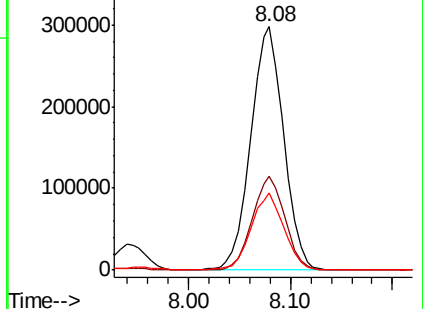
77 31.1 24.6 37.0

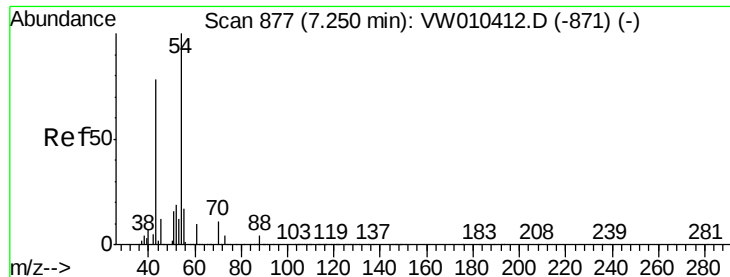


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

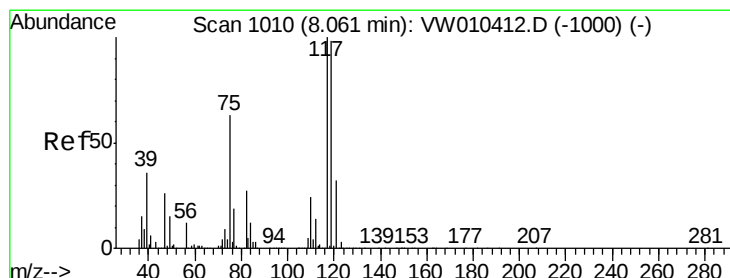
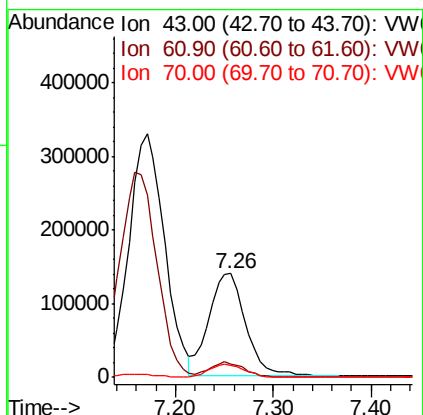
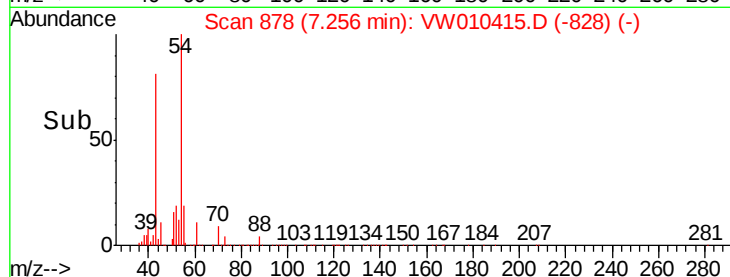
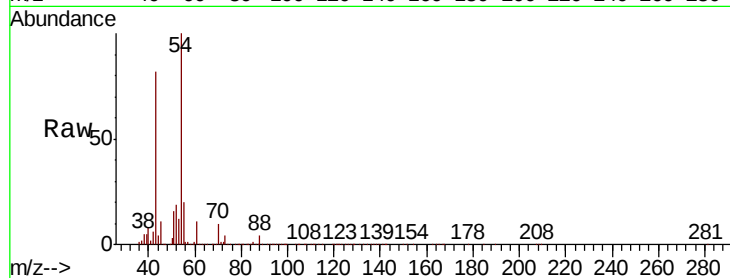




#37
Ethyl Acetate
Concen: 50.972 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

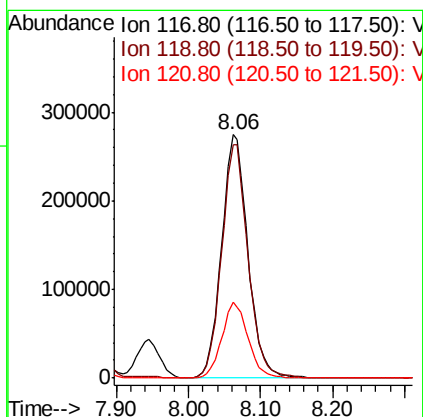
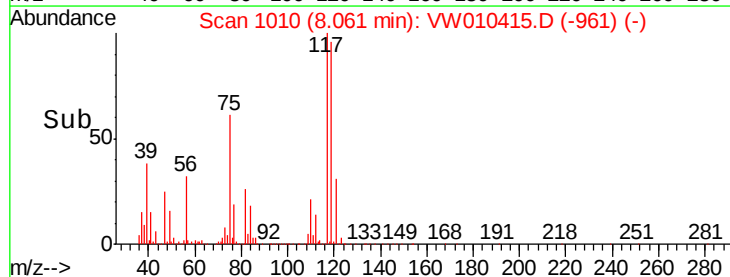
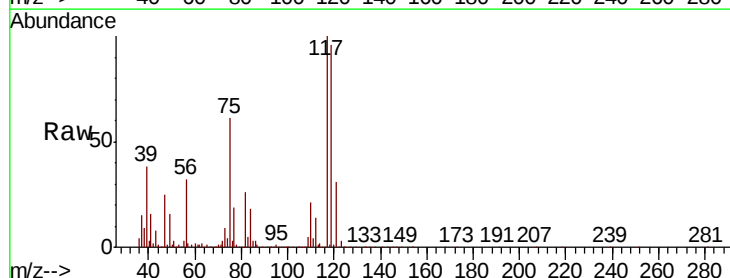
Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

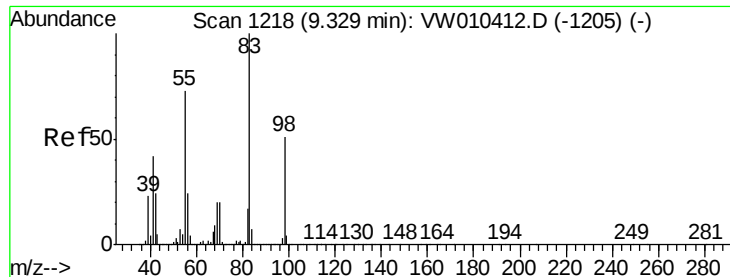
Tgt Ion: 43 Resp: 365545
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.4
70 12.0 9.1 13.7



#38
Carbon Tetrachloride
Concen: 49.004 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion: 117 Resp: 697980
Ion Ratio Lower Upper
117 100
119 95.7 78.2 117.4
121 31.4 25.3 37.9

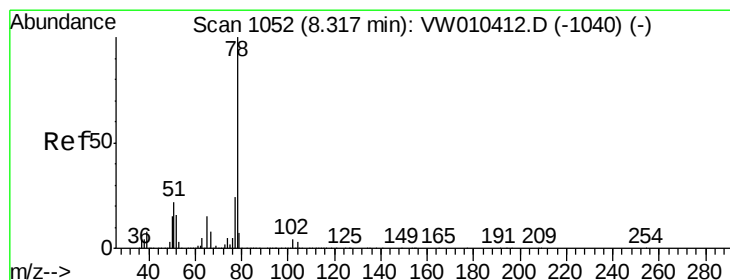
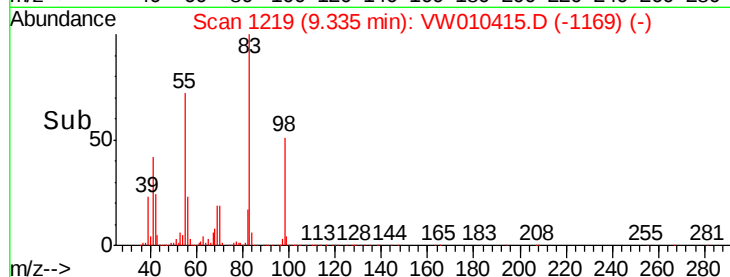
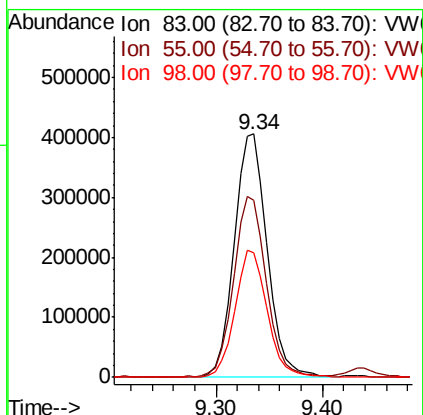
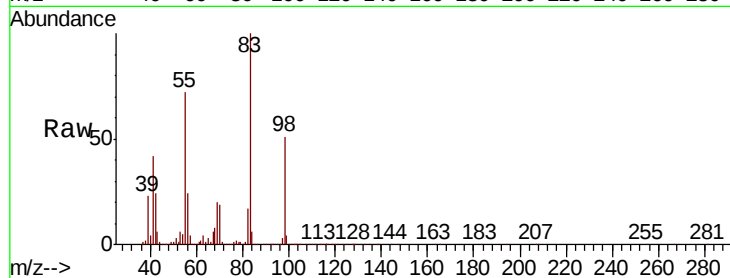




#39
Methylcyclohexane
Concen: 47.330 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

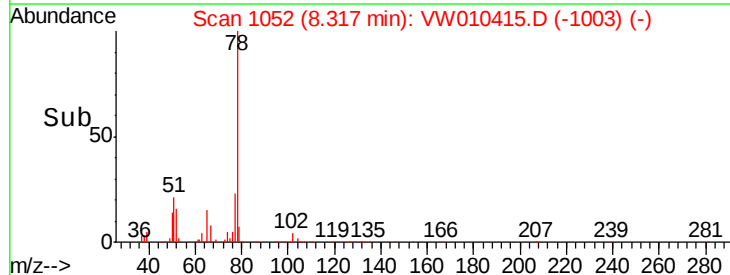
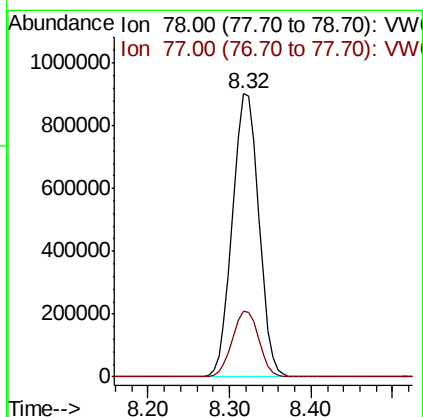
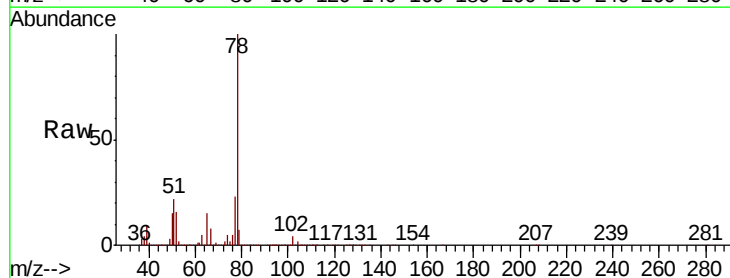
Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

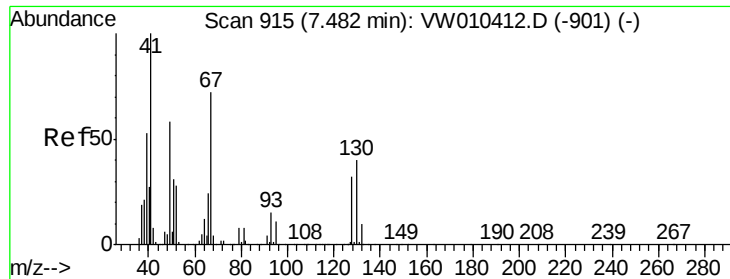
Tgt Ion: 83 Resp: 877061
Ion Ratio Lower Upper
83 100
55 72.0 58.7 88.1
98 51.1 40.7 61.1



#40
Benzene
Concen: 49.162 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion: 78 Resp: 2012767
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8

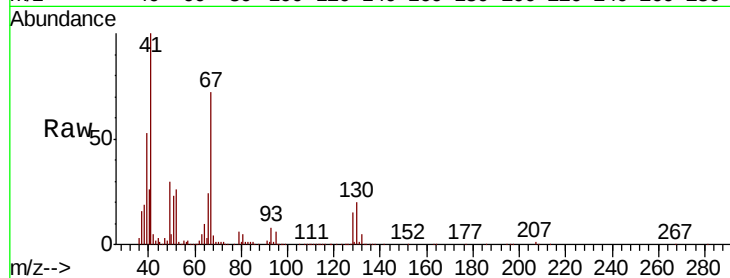




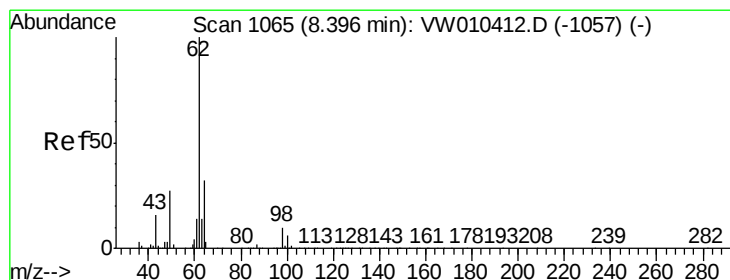
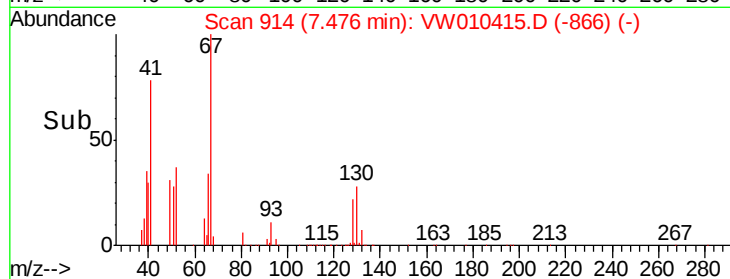
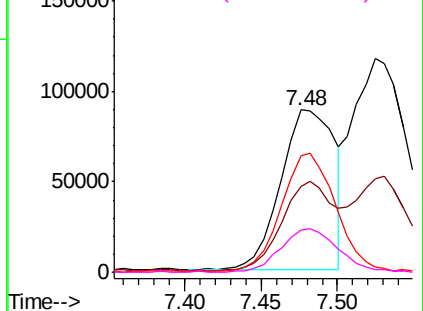
#41
Methacrylonitrile
Concen: 50.671 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

Tgt Ion:	41	Resp:	216519
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.7	64.1
67	74.6	58.8	88.2
52	28.1	23.2	34.8

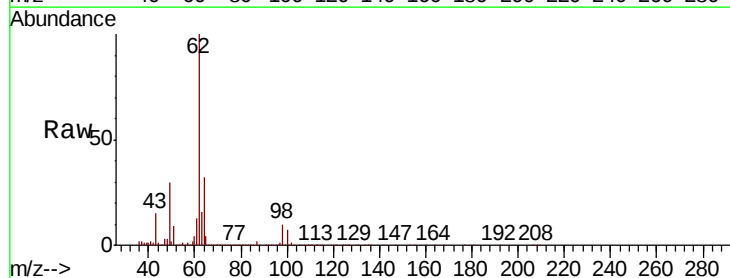


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

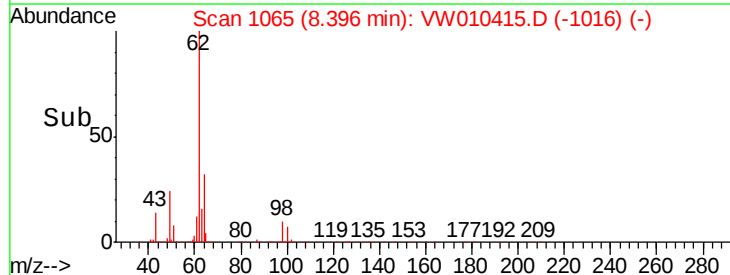
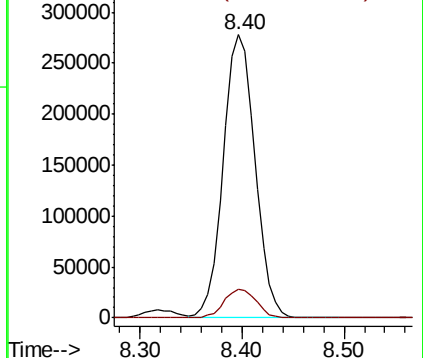


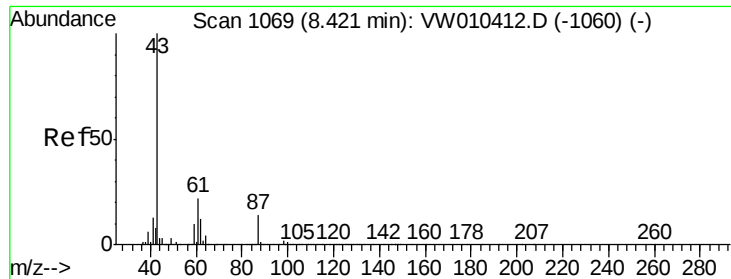
#42
1,2-Dichloroethane
Concen: 50.296 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion:	62	Resp:	599507
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4



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





#43

Isopropyl Acetate

Concen: 50.006 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

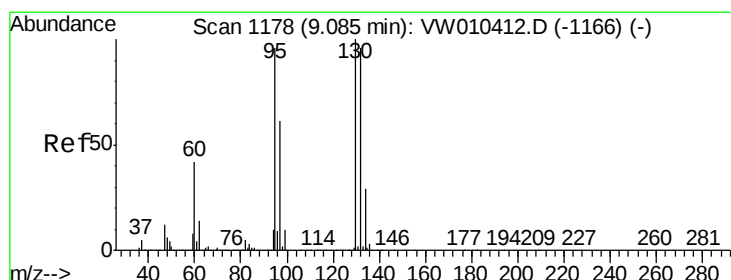
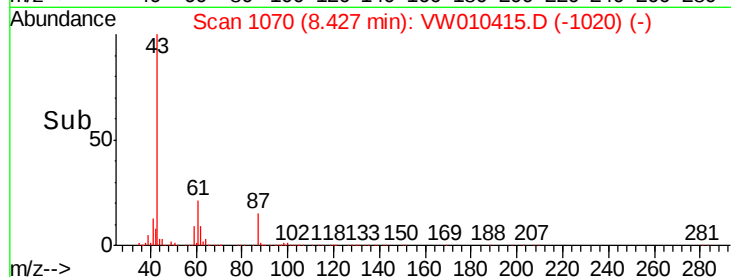
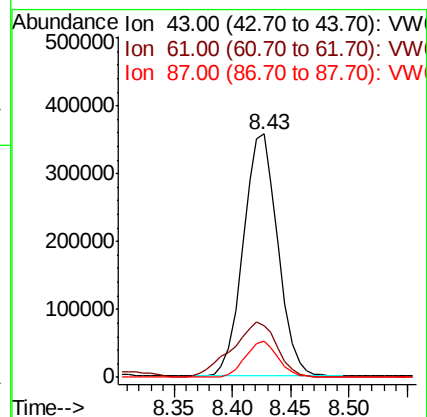
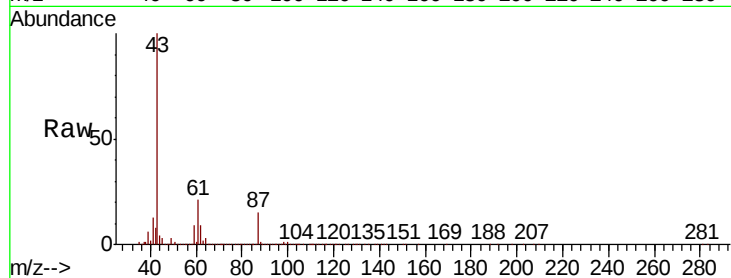
Tgt Ion: 43 Resp: 735602

Ion Ratio Lower Upper

43 100

61 29.5 23.3 34.9

87 14.3 11.6 17.4



#44

Trichloroethene

Concen: 48.565 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW010415.D

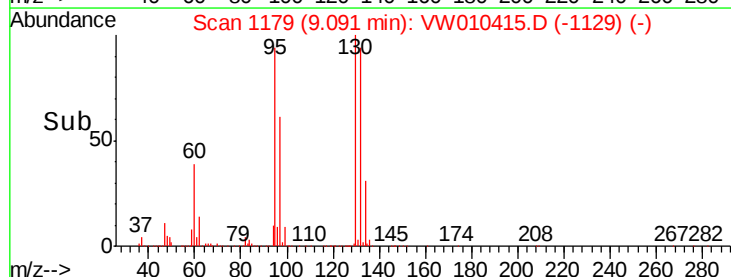
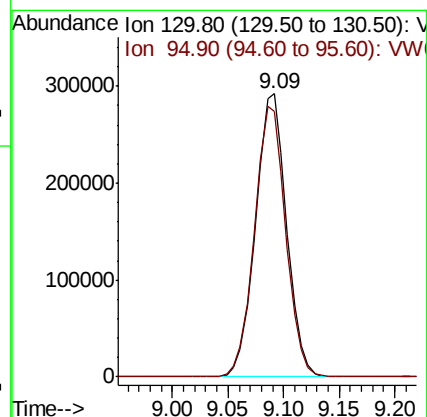
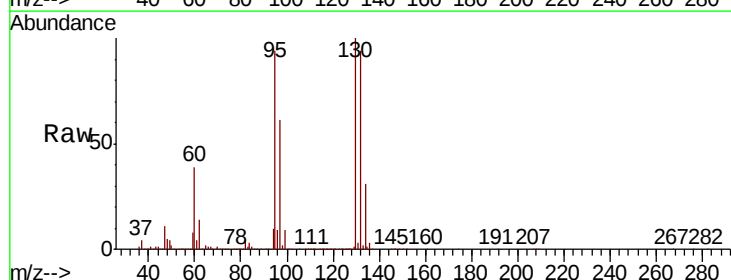
Acq: 16 May 2019 21:48

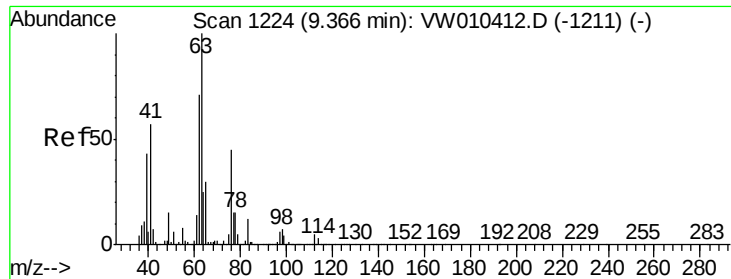
Tgt Ion: 130 Resp: 566683

Ion Ratio Lower Upper

130 100

95 93.9 0.0 192.4

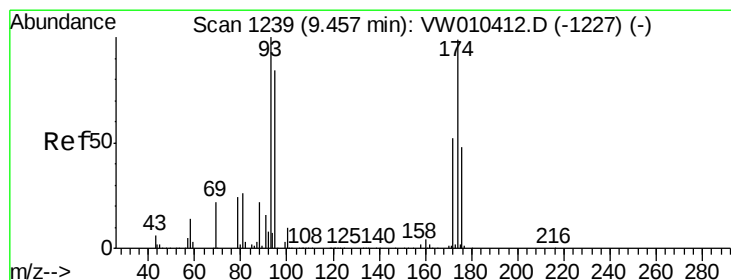
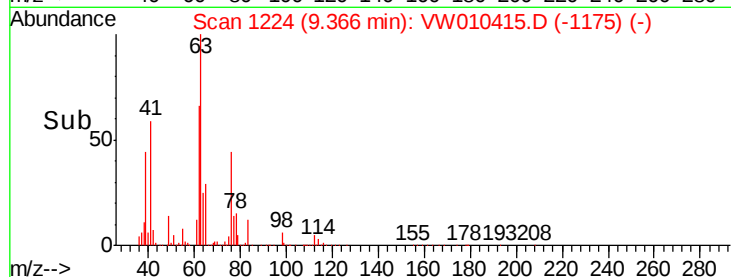
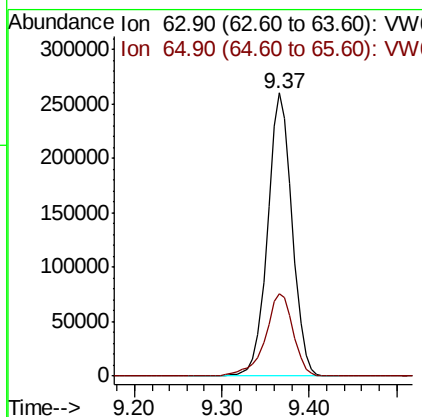
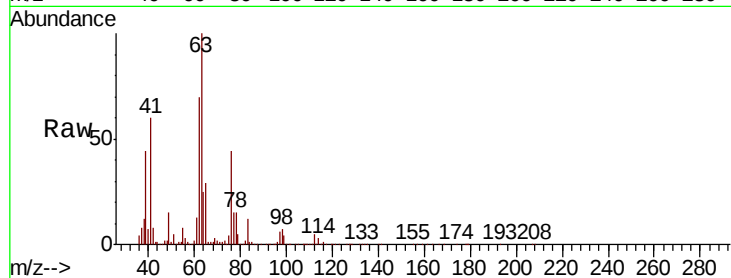




#45
 1,2-Dichloropropane
 Concen: 50.197 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

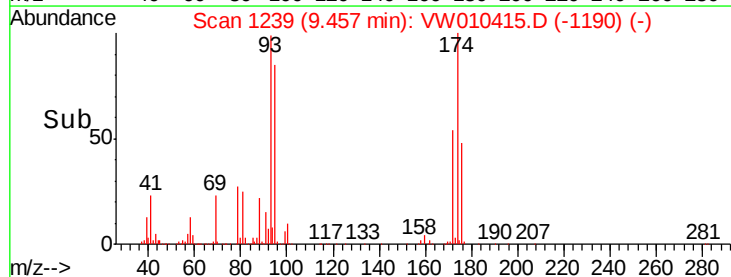
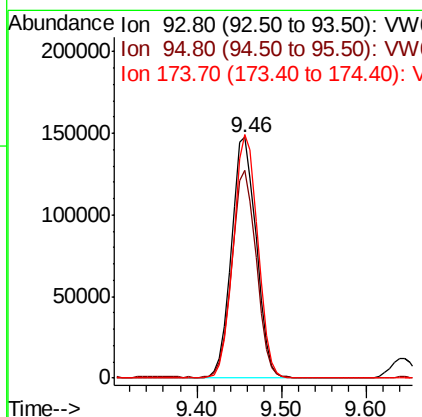
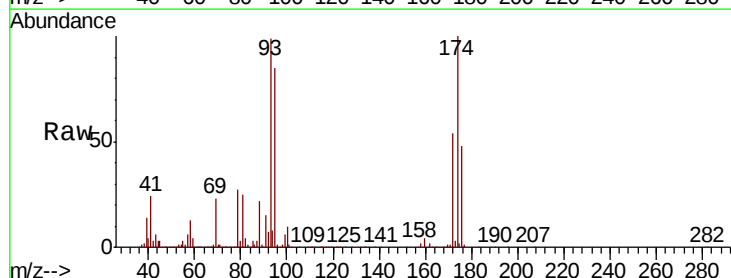
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051619

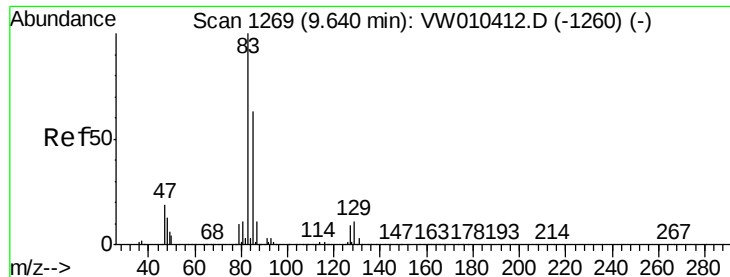
Tgt Ion: 63 Resp: 511040
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.1 36.1



#46
 Dibromomethane
 Concen: 49.496 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

Tgt Ion: 93 Resp: 292296
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.6 100.0
 174 99.7 79.8 119.6

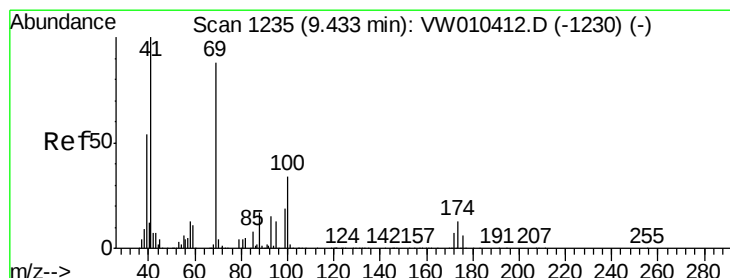
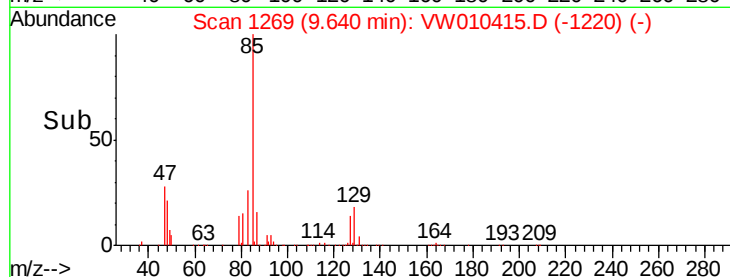
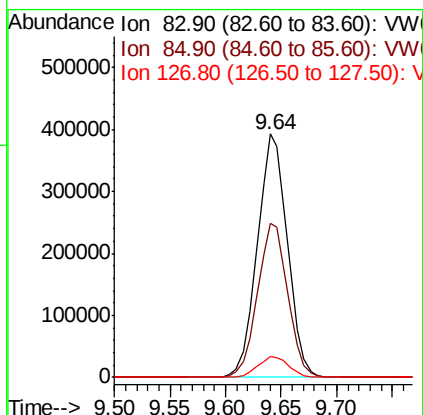
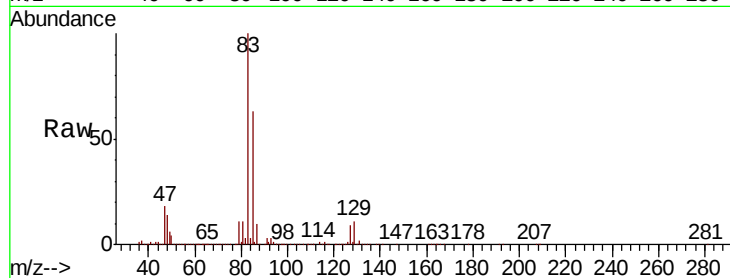




#47
 Bromodichloromethane
 Concen: 50.835 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

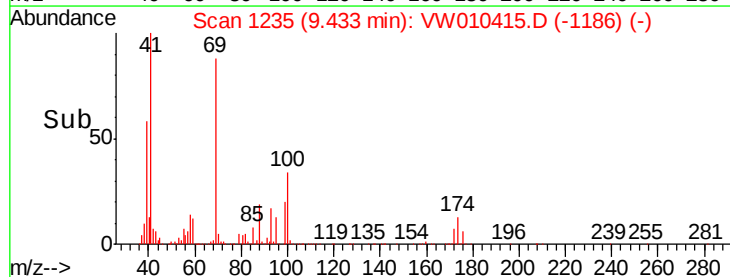
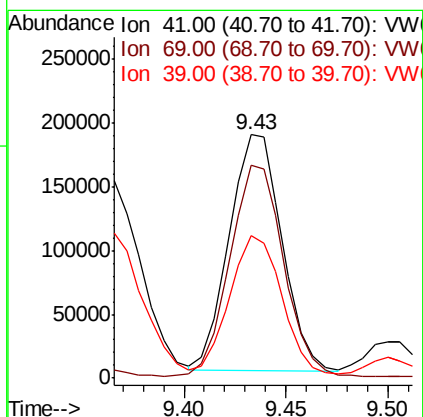
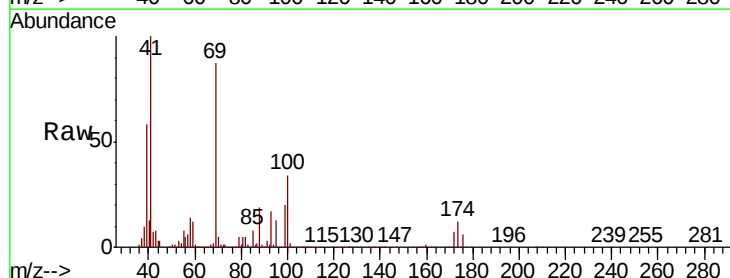
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051619

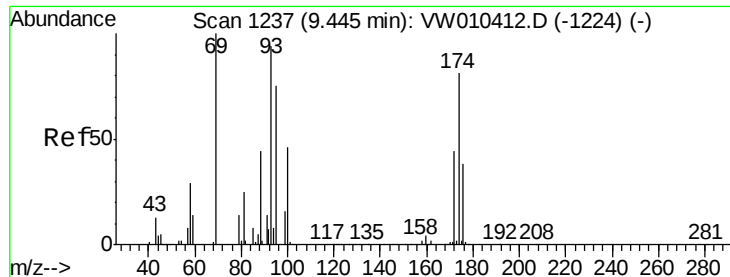
Tgt Ion: 83 Resp: 736709
 Ion Ratio Lower Upper
 83 100
 85 63.4 50.2 75.2
 127 8.7 6.9 10.3



#48
 Methyl methacrylate
 Concen: 49.263 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

Tgt Ion: 41 Resp: 332211
 Ion Ratio Lower Upper
 41 100
 69 93.4 72.6 108.8
 39 60.6 48.0 72.0





#49

1,4-Dioxane

Concen: 1023.216 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

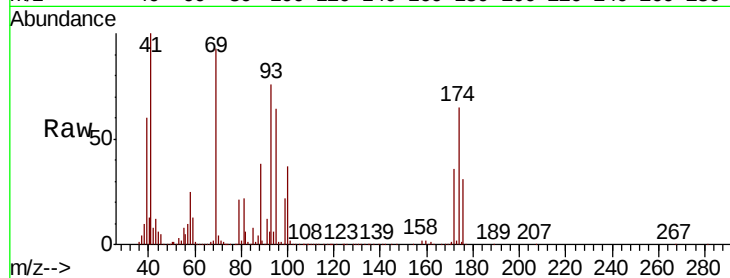
Tgt Ion: 88 Resp: 108046

Ion Ratio Lower Upper

88 100

43 28.9 24.6 36.8

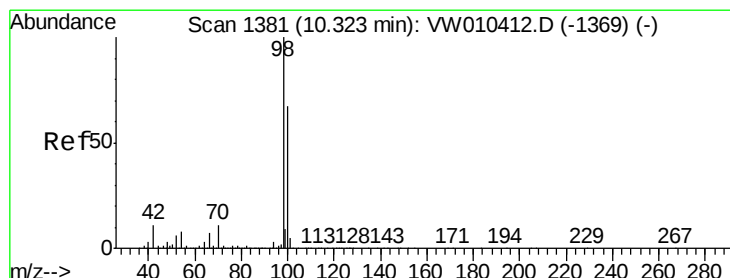
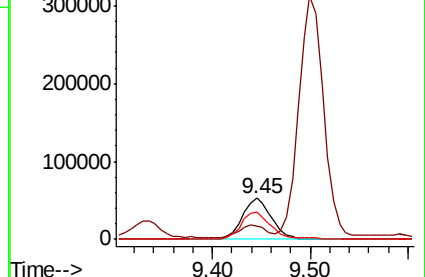
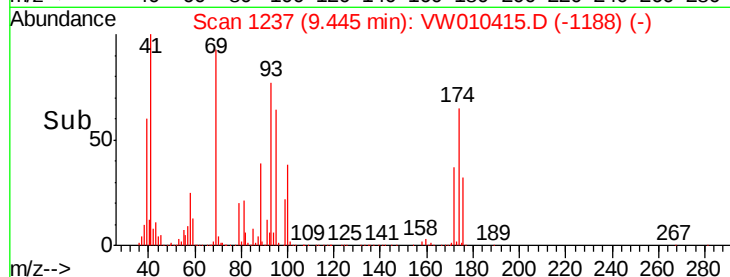
58 65.2 56.2 84.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.430 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010415.D

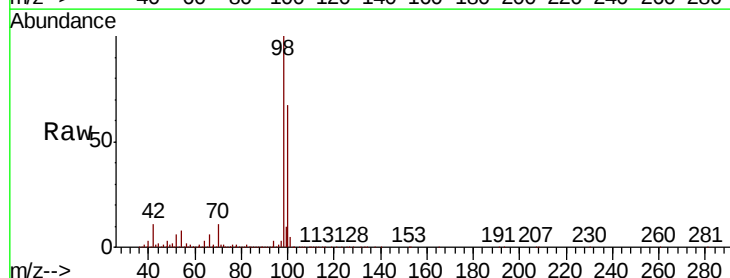
Acq: 16 May 2019 21:48

Tgt Ion: 98 Resp: 1848930

Ion Ratio Lower Upper

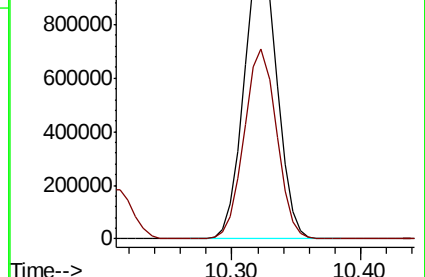
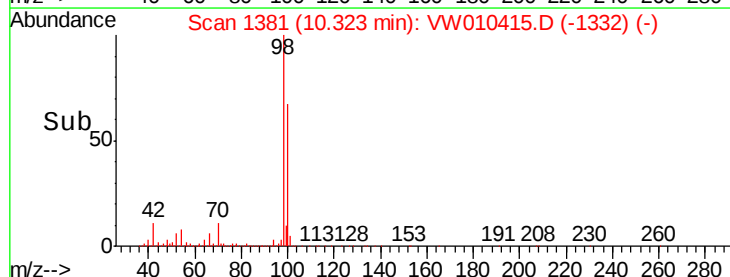
98 100

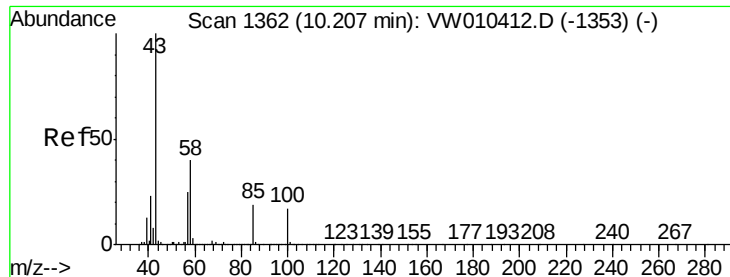
100 66.7 53.6 80.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

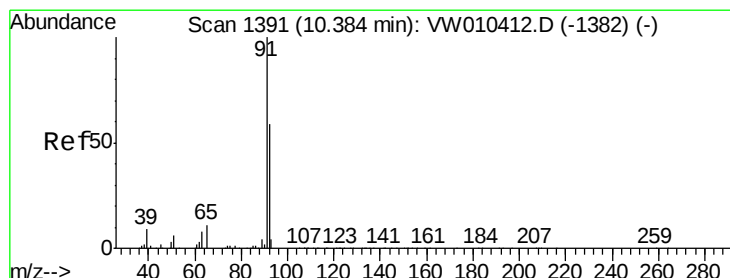
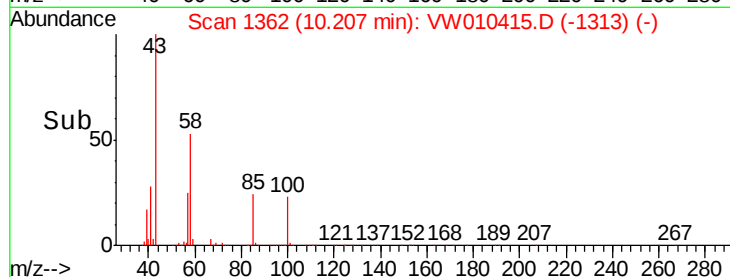
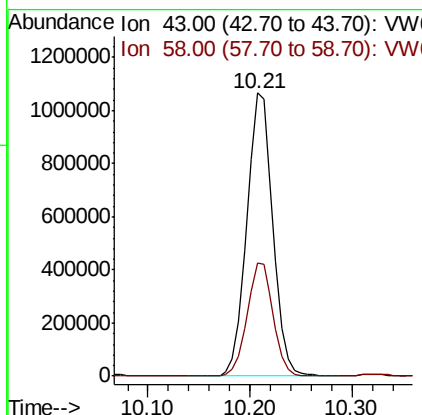
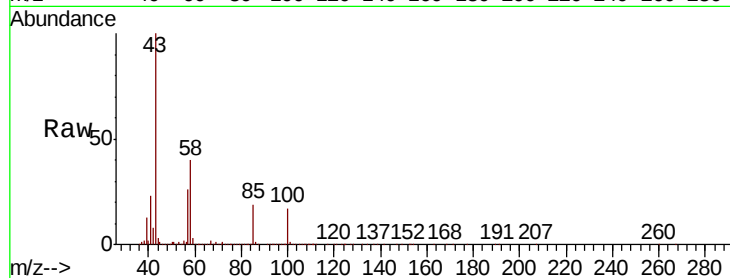




#51
4-Methyl-2-Pentanone
Concen: 246.795 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

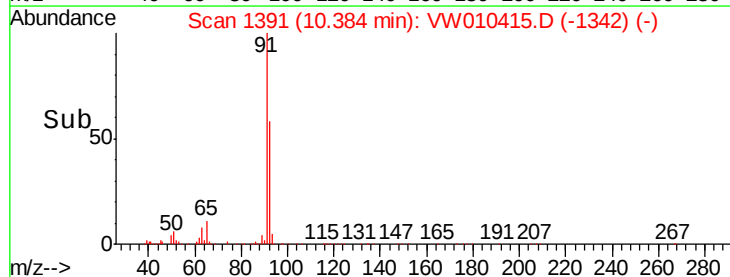
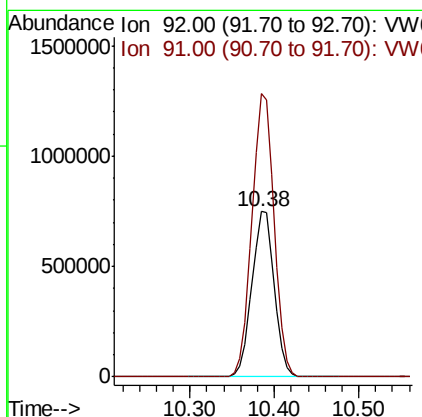
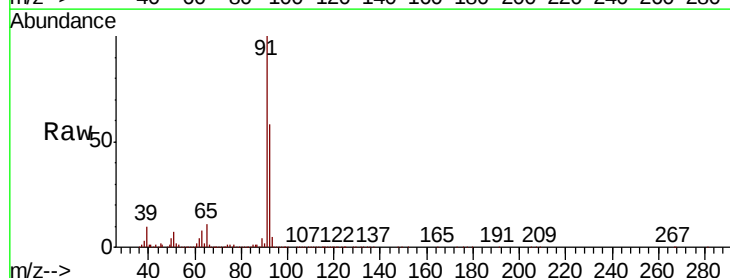
Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

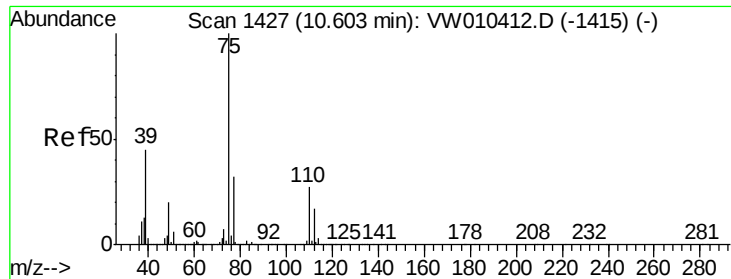
Tgt Ion: 43 Resp: 1885855
Ion Ratio Lower Upper
43 100
58 40.0 32.1 48.1



#52
Toluene
Concen: 49.042 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion: 92 Resp: 1340786
Ion Ratio Lower Upper
92 100
91 169.5 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 49.391 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

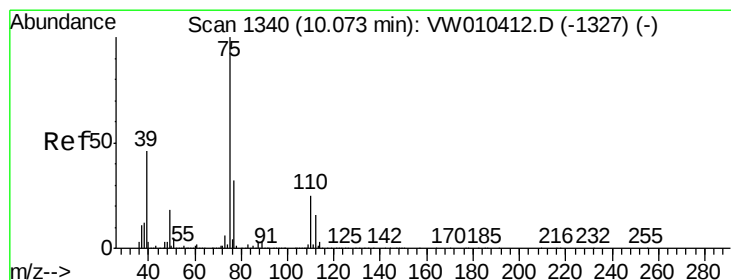
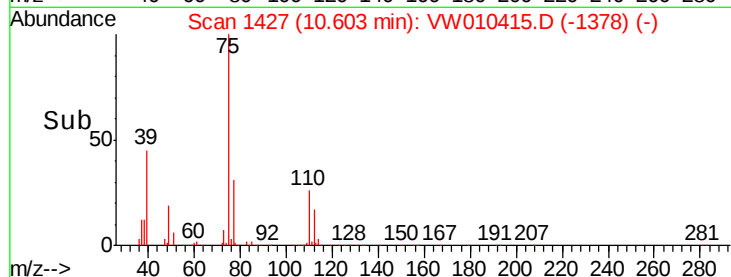
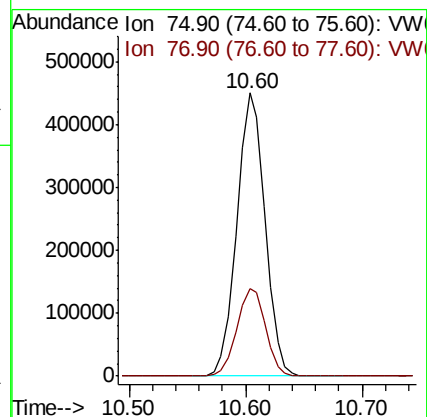
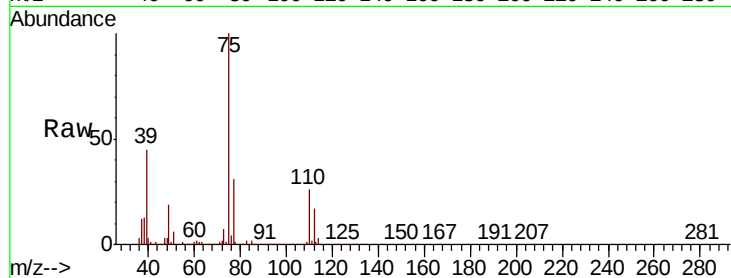
ICVW051619

Tgt Ion: 75 Resp: 756691

Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 49.743 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

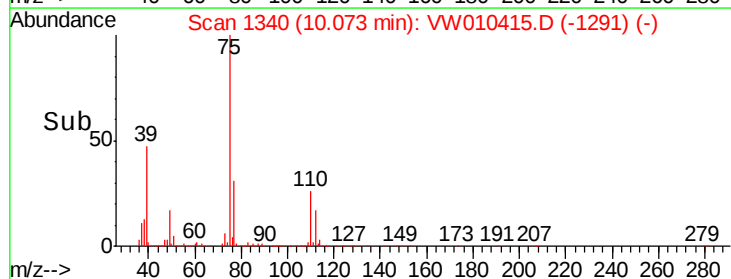
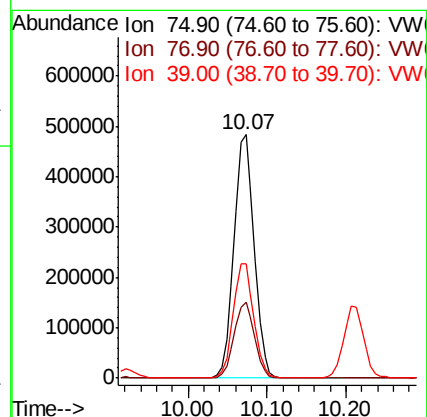
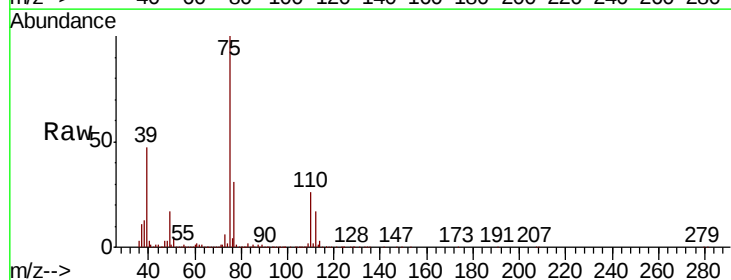
Tgt Ion: 75 Resp: 861213

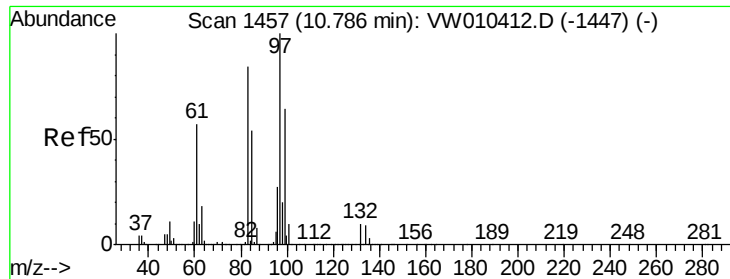
Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3

39 46.8 37.1 55.7





#55

1,1,2-Trichloroethane

Concen: 49.781 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

Tgt Ion: 97 Resp: 426140

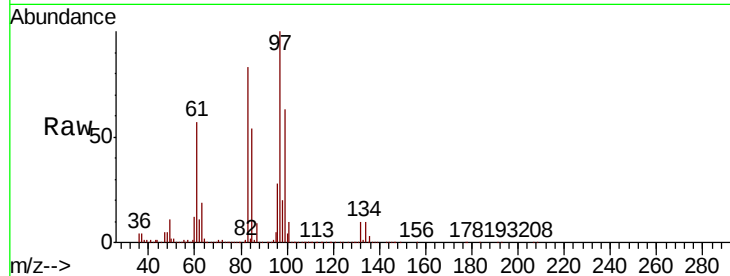
Ion Ratio Lower Upper

97 100

83 83.1 67.2 100.8

85 54.3 43.1 64.7

99 62.8 51.3 76.9

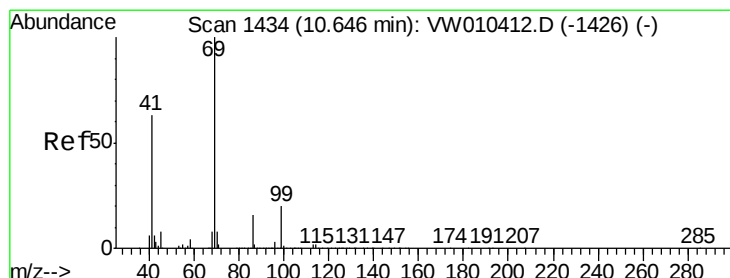
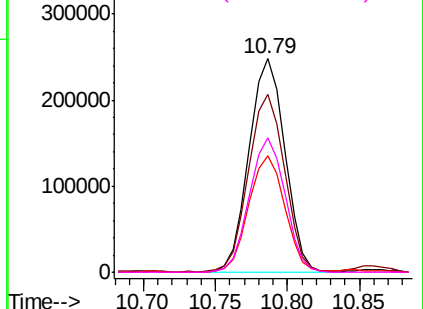
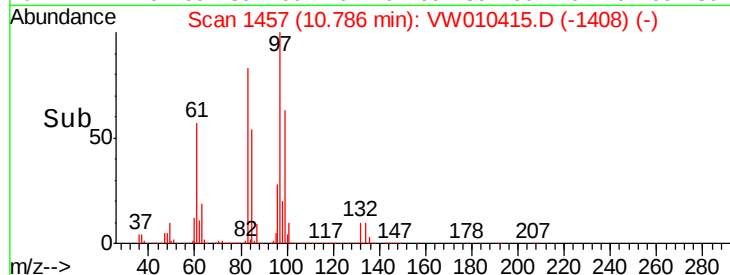


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 49.502 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

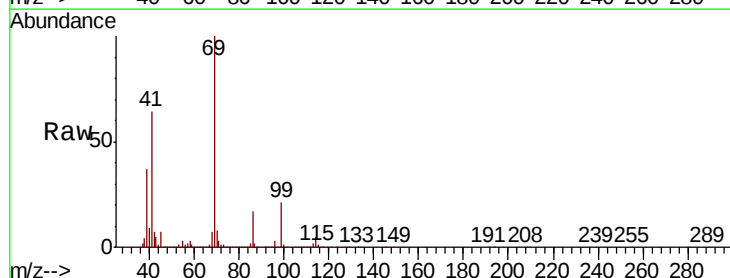
Tgt Ion: 69 Resp: 607174

Ion Ratio Lower Upper

69 100

41 64.6 51.7 77.5

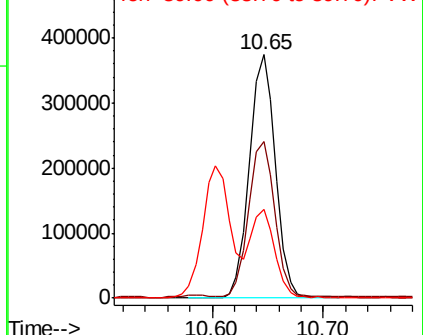
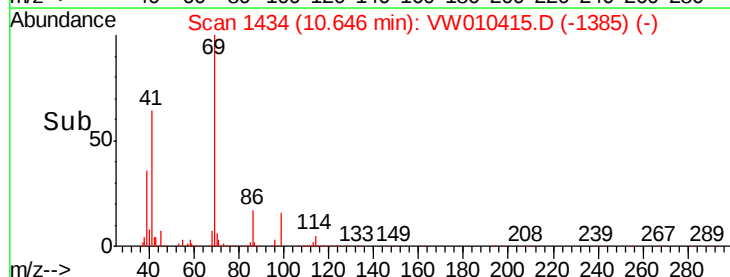
39 33.2 26.2 39.2

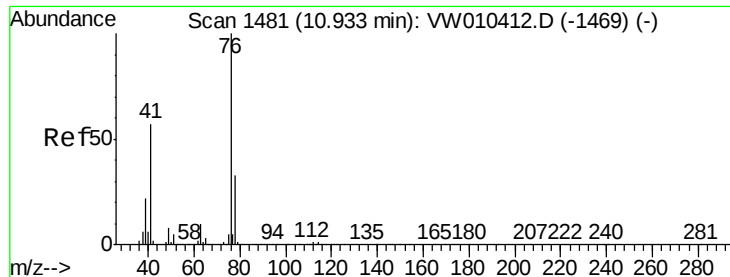


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

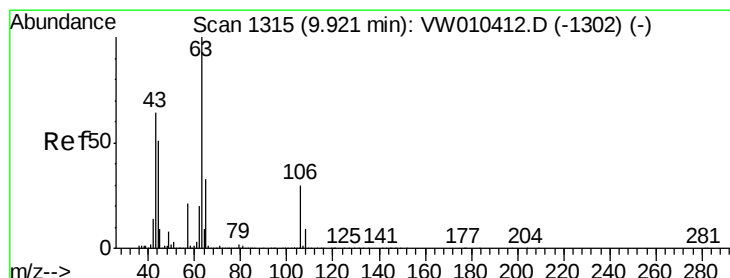
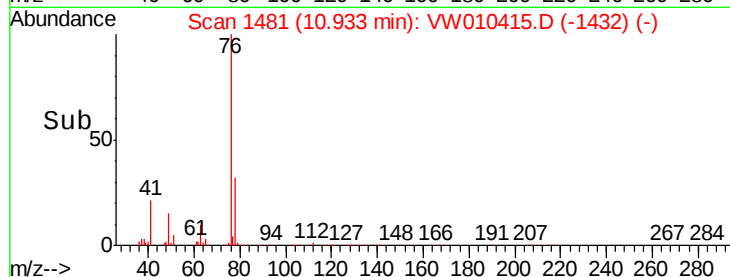
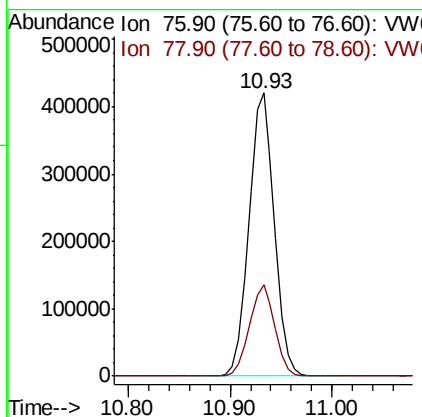
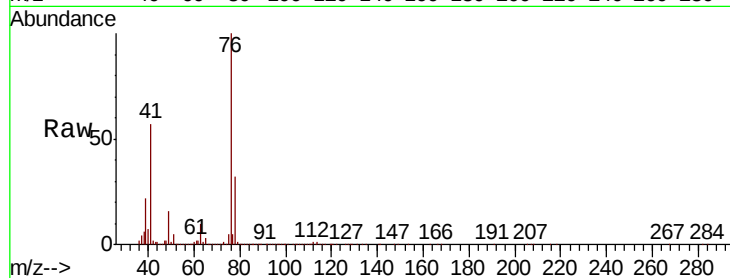




#57
 1,3-Dichloropropane
 Concen: 50.586 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

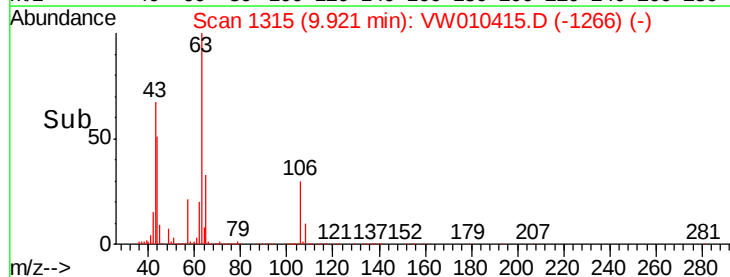
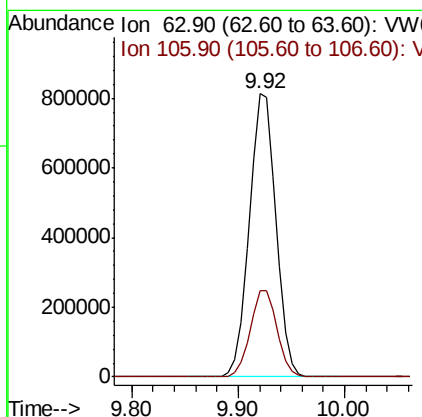
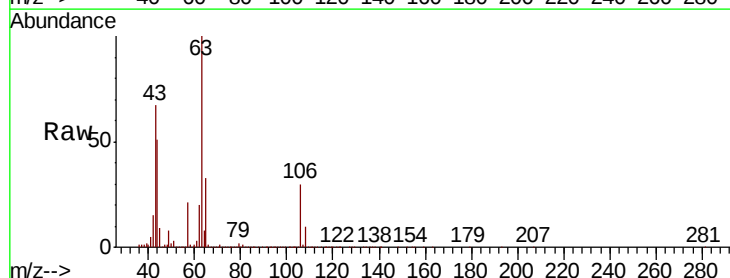
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051619

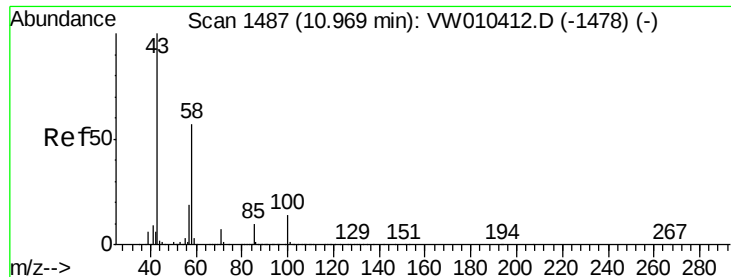
Tgt Ion: 76 Resp: 725121
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.712 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

Tgt Ion: 63 Resp: 1427108
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.5 36.7

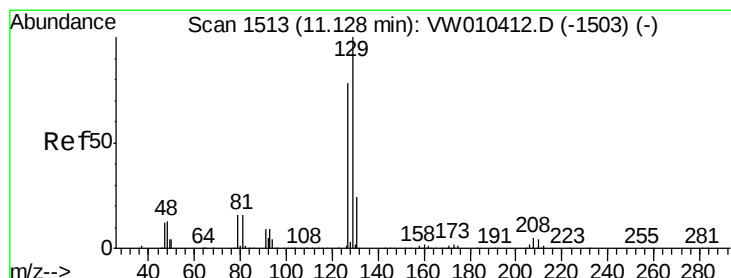
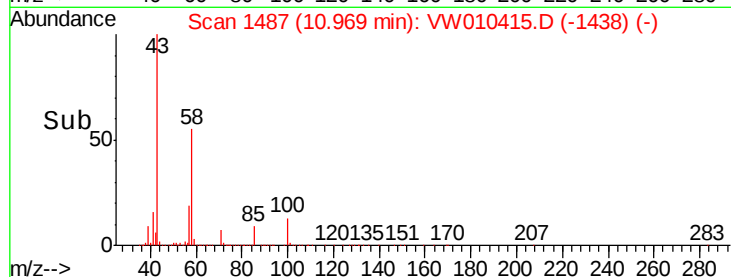
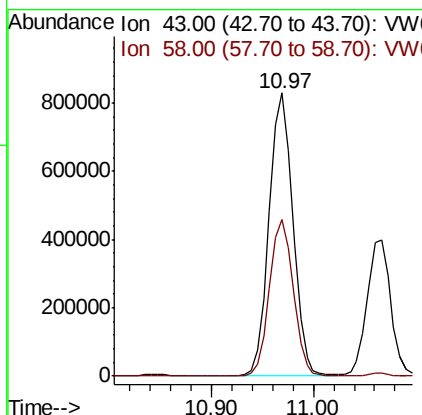
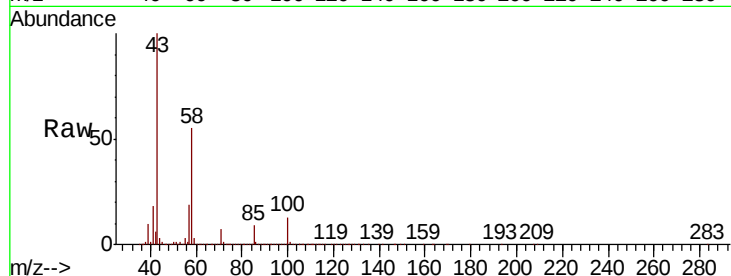




#59
2-Hexanone
Concen: 246.995 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

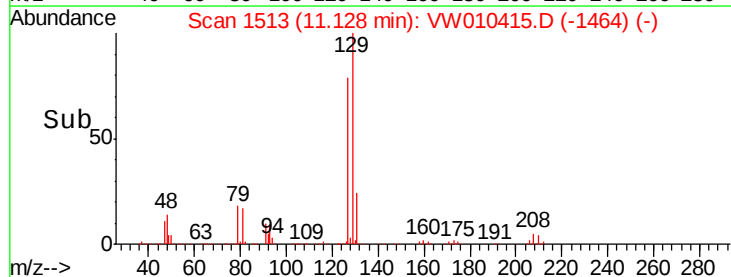
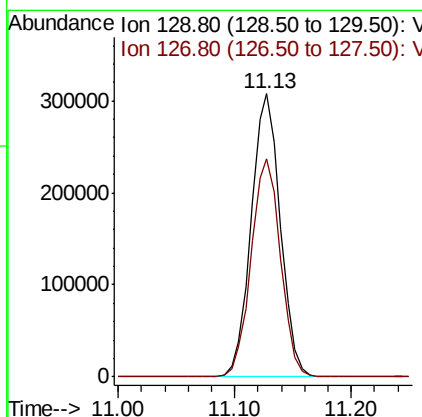
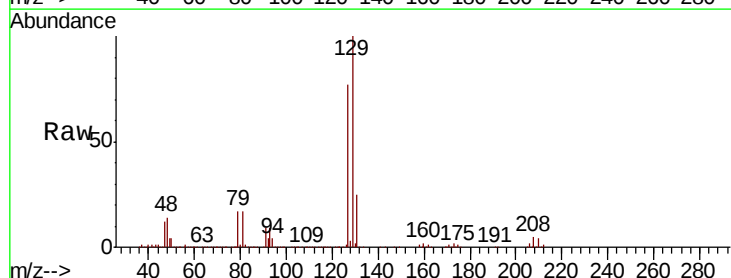
Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

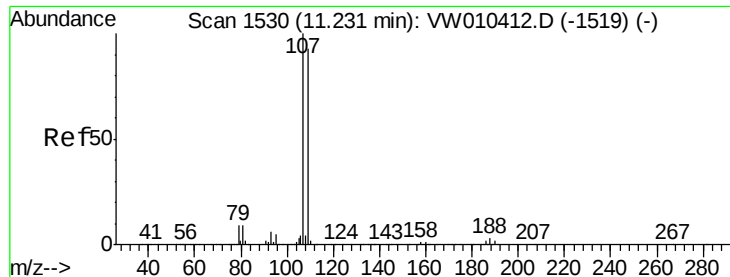
Tgt Ion: 43 Resp: 1337043
Ion Ratio Lower Upper
43 100
58 55.4 28.0 83.9



#60
Dibromochloromethane
Concen: 50.103 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion: 129 Resp: 535499
Ion Ratio Lower Upper
129 100
127 77.8 39.3 117.9

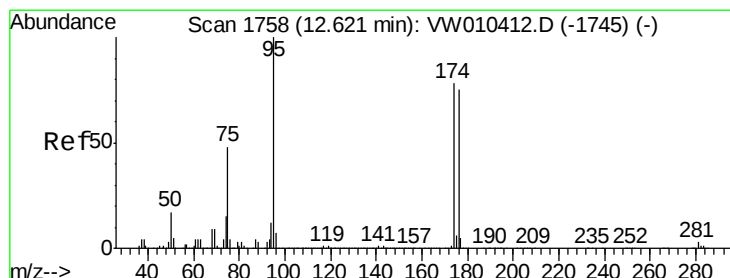
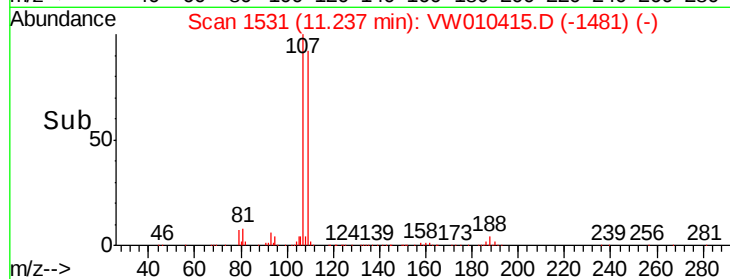
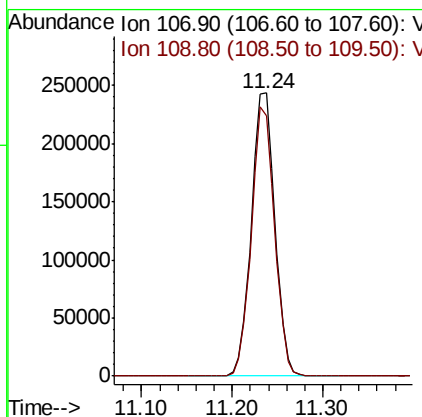
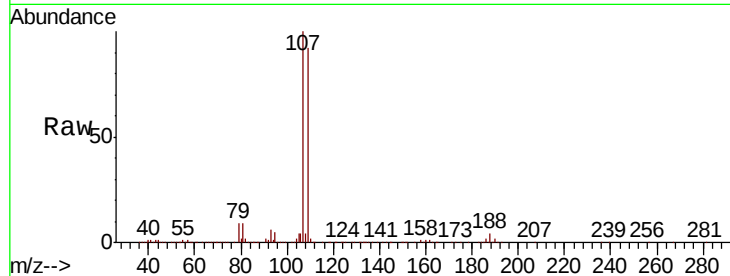




#61
 1,2-Dibromoethane
 Concen: 50.770 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

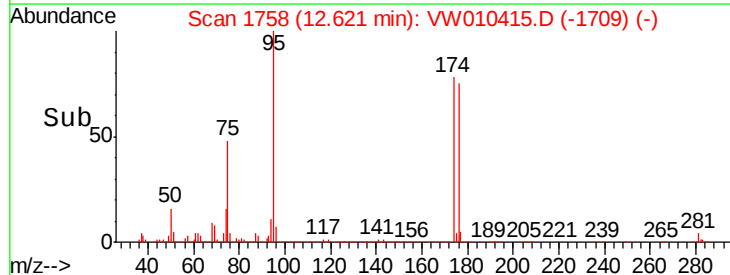
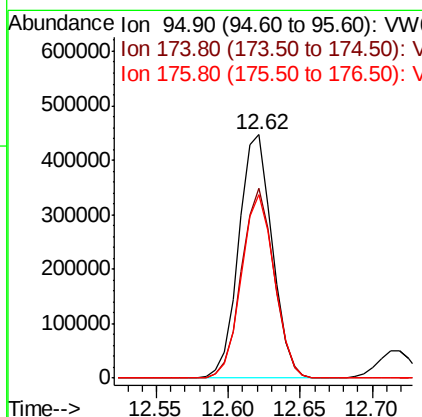
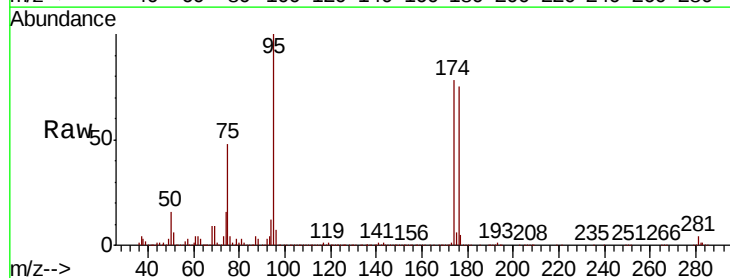
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051619

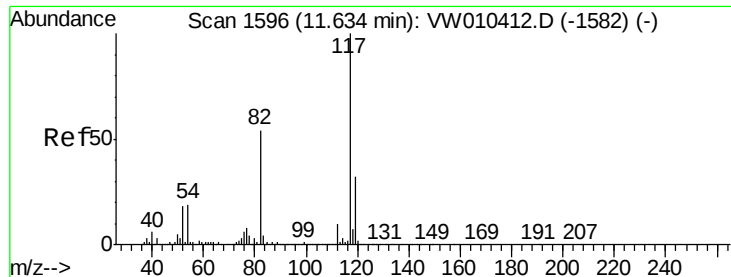
Tgt Ion: 107 Resp: 438702
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 49.687 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

Tgt Ion: 95 Resp: 718776
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 150.2
 176 74.3 0.0 144.6

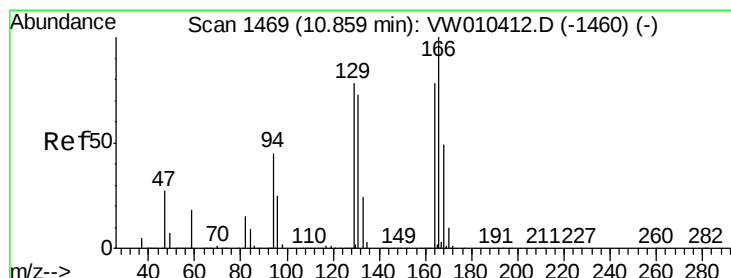
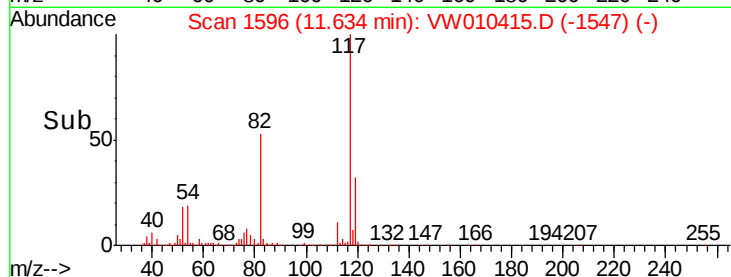
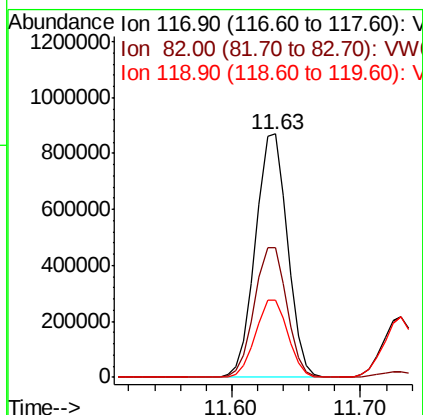
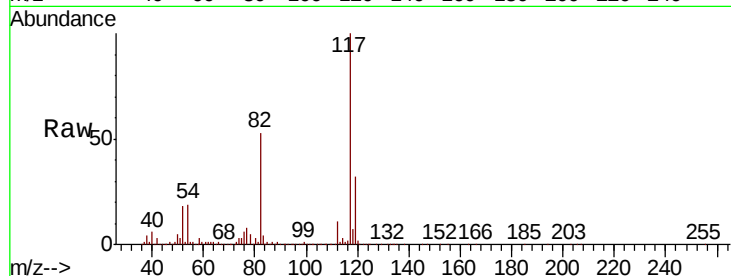




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

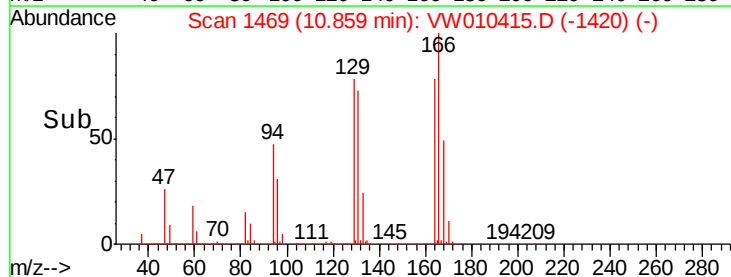
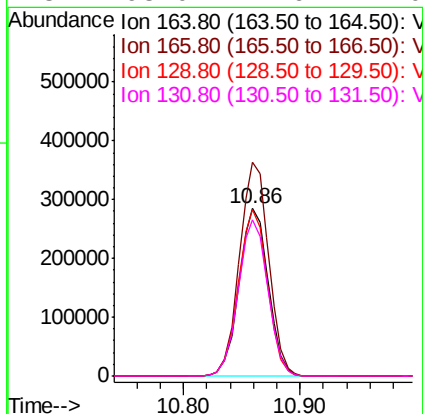
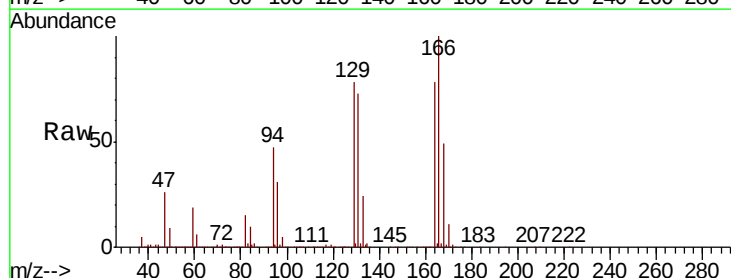
Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

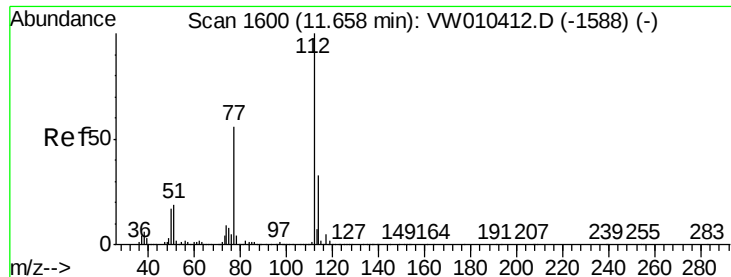
Tgt Ion:117 Resp: 1494854
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.6
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 50.229 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion:164 Resp: 497913
Ion Ratio Lower Upper
164 100
166 127.7 102.3 153.5
129 99.4 79.6 119.4
131 93.0 74.6 112.0

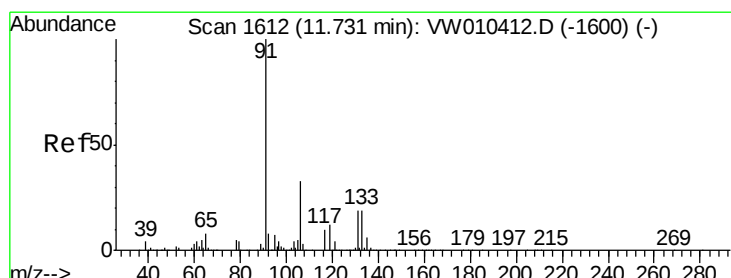
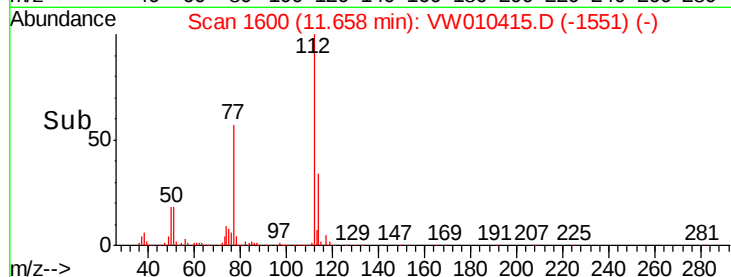
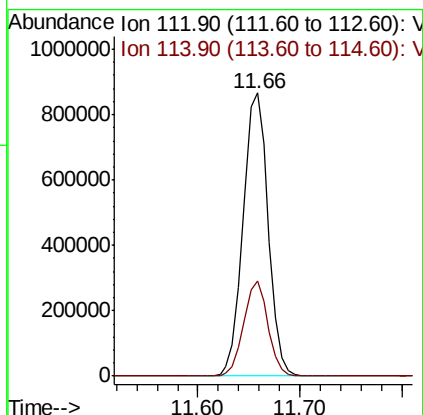
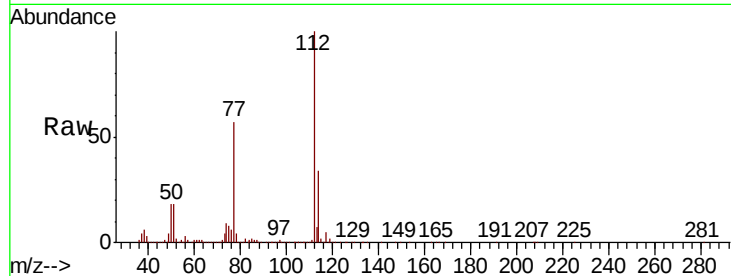




#65
Chlorobenzene
Concen: 49.579 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

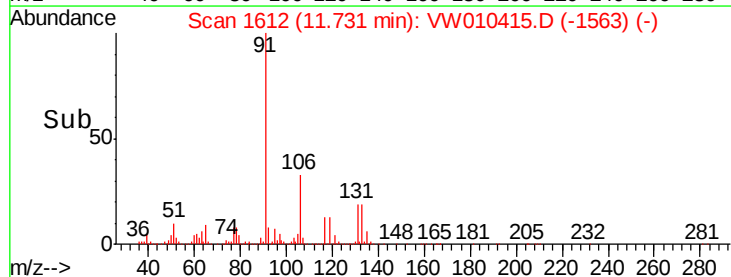
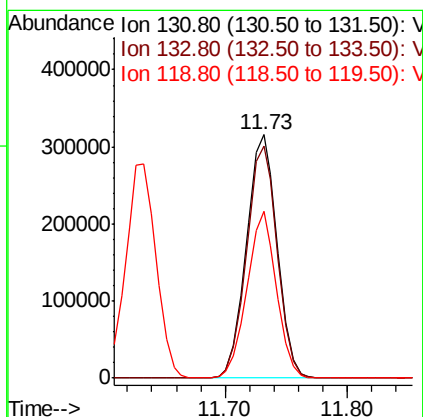
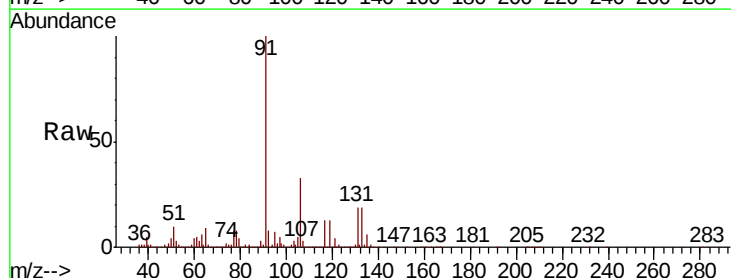
Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

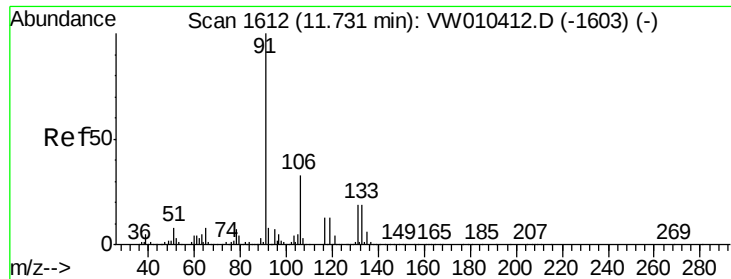
Tgt Ion:112 Resp: 1473675
Ion Ratio Lower Upper
112 100
114 33.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 49.940 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion:131 Resp: 549241
Ion Ratio Lower Upper
131 100
133 95.1 48.0 144.0
119 65.6 32.4 97.0

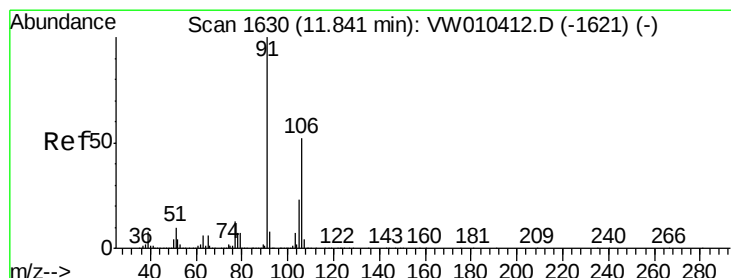
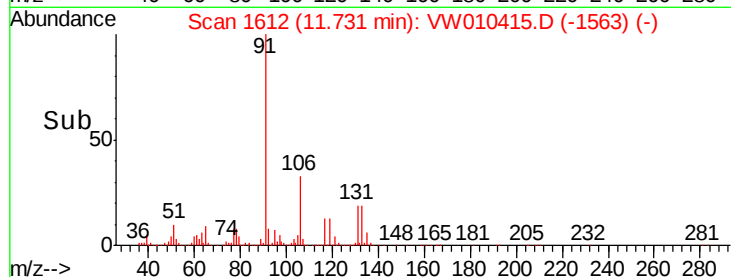
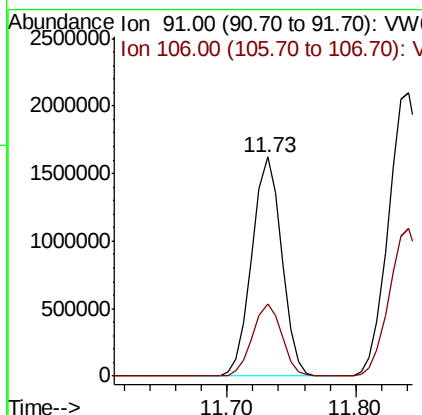
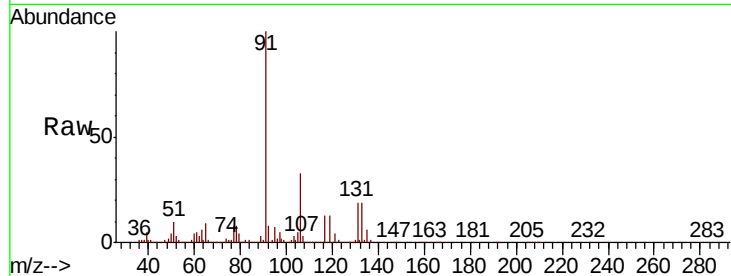




#67
Ethyl Benzene
Concen: 48.915 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

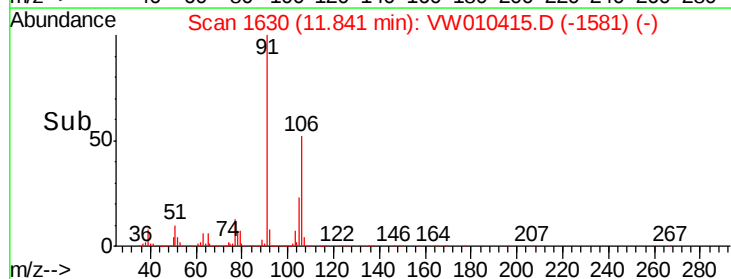
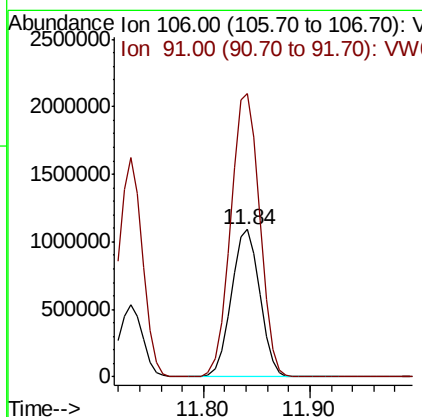
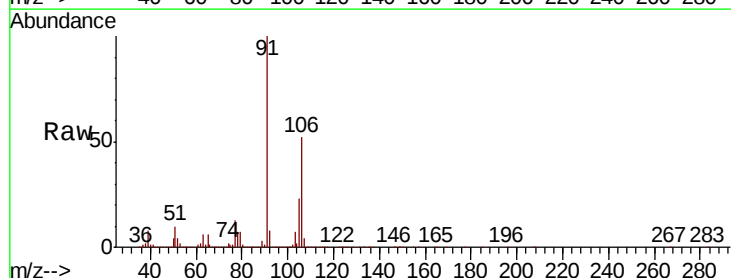
Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

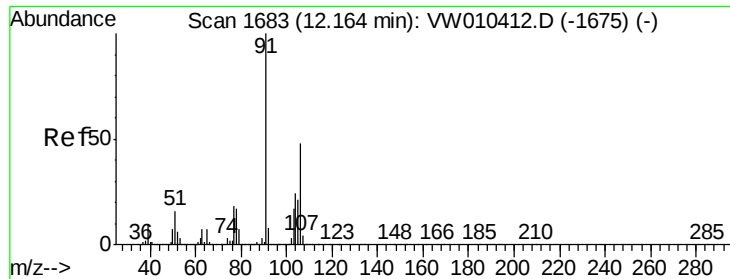
Tgt Ion: 91 Resp: 2583474
Ion Ratio Lower Upper
91 100
106 32.8 26.0 39.0



#68
m/p-Xylenes
Concen: 98.879 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion: 106 Resp: 2045667
Ion Ratio Lower Upper
106 100
91 196.3 156.2 234.2

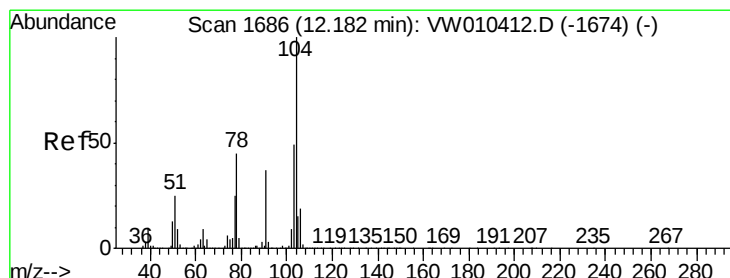
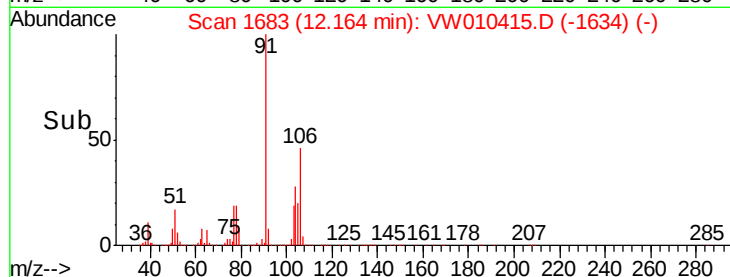
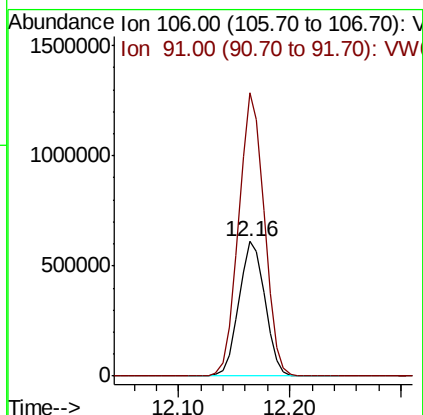
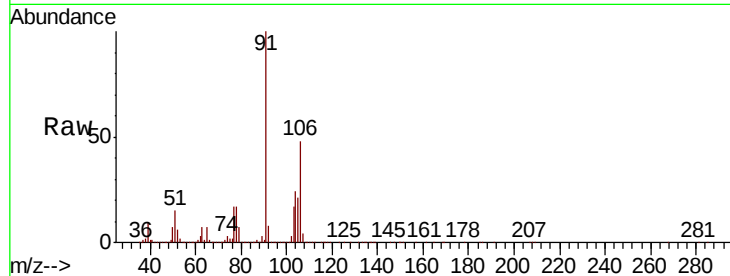




#69
o-Xylene
Concen: 49.414 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

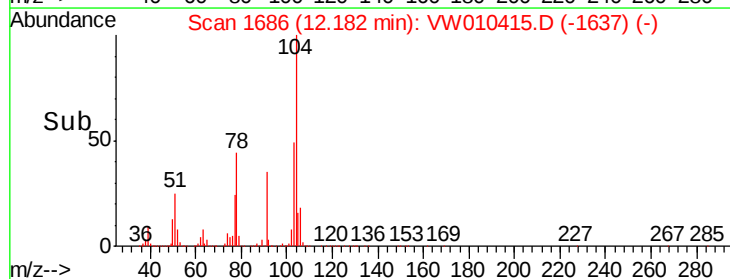
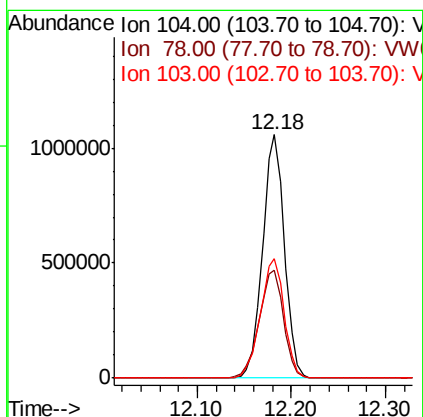
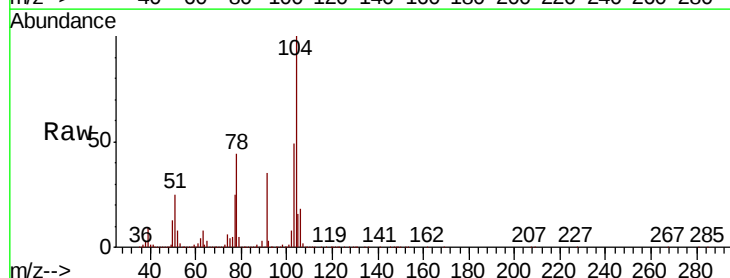
Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

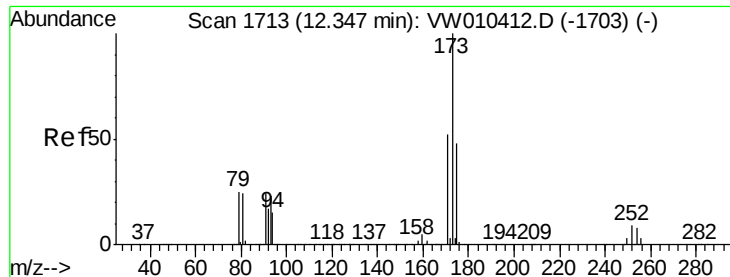
Tgt Ion:106 Resp: 986374
Ion Ratio Lower Upper
106 100
91 207.1 102.8 308.3



#70
Styrene
Concen: 49.574 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion:104 Resp: 1725591
Ion Ratio Lower Upper
104 100
78 49.4 39.4 59.2
103 53.4 42.6 64.0

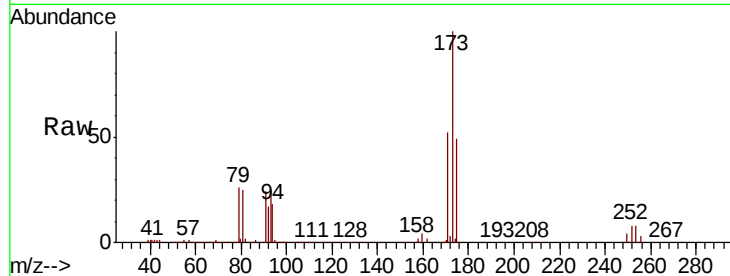




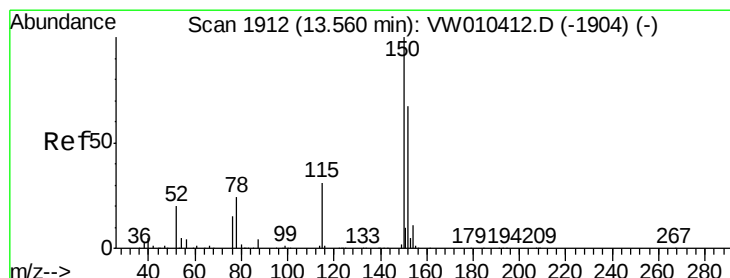
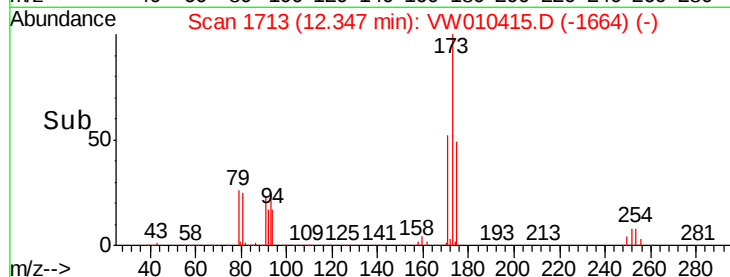
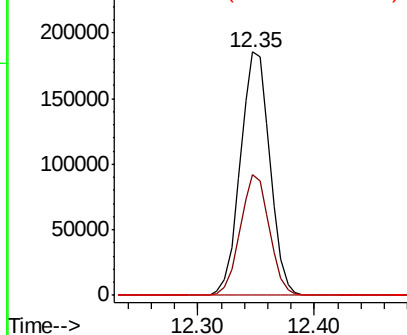
#71
Bromoform
Concen: 51.041 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

Tgt Ion:173 Resp: 327423
Ion Ratio Lower Upper
173 100
175 48.6 24.1 72.2
254 0.1 0.2 0.2#

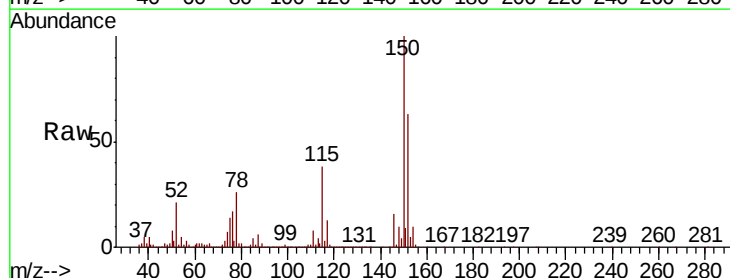


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

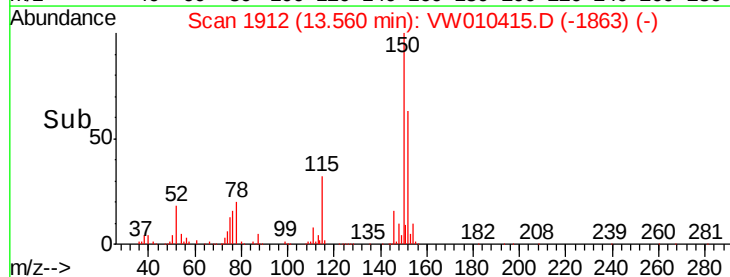
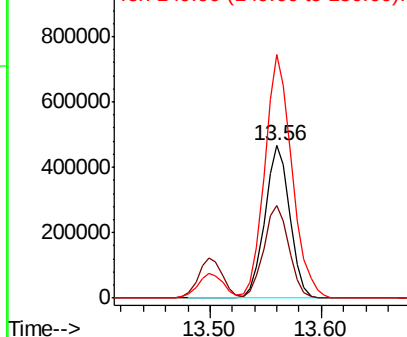


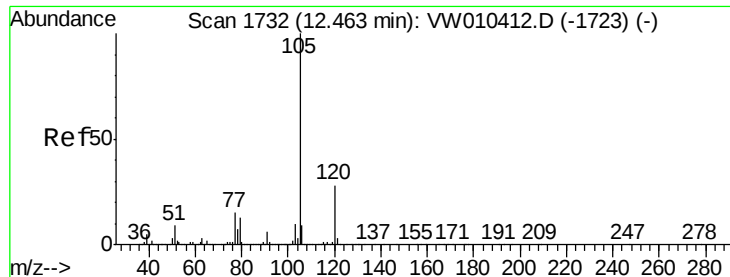
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion:152 Resp: 726333
Ion Ratio Lower Upper
152 100
115 61.1 30.2 90.6
150 174.6 0.0 348.0



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: 48.988 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

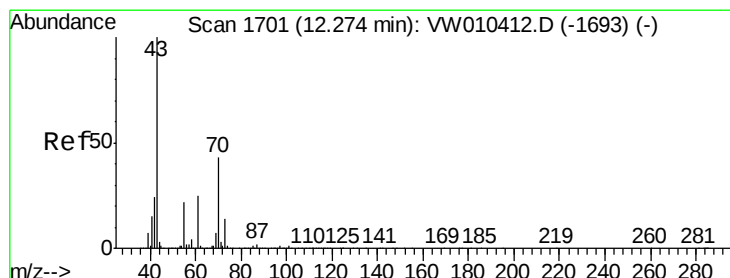
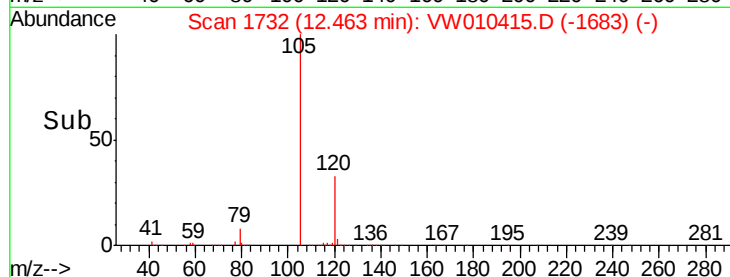
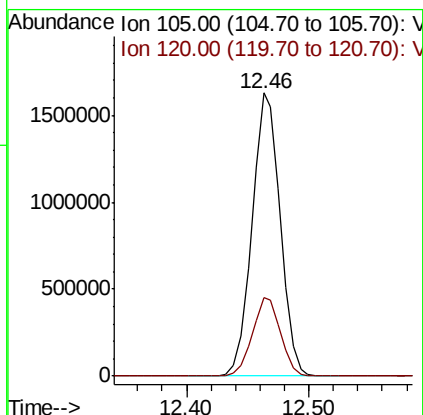
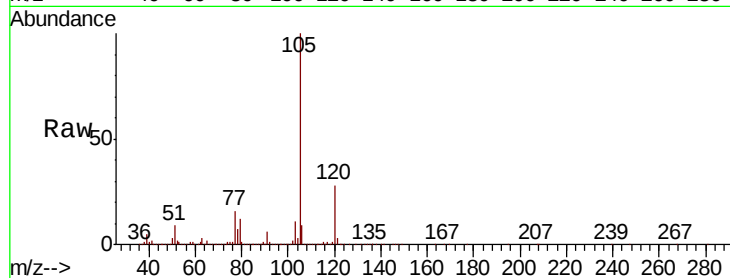
ICVW051619

Tgt Ion:105 Resp: 2602379

Ion Ratio Lower Upper

105 100

120 27.7 13.7 41.1



#74

N-ethyl acetate

Concen: 48.778 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Tgt Ion: 43 Resp: 732277

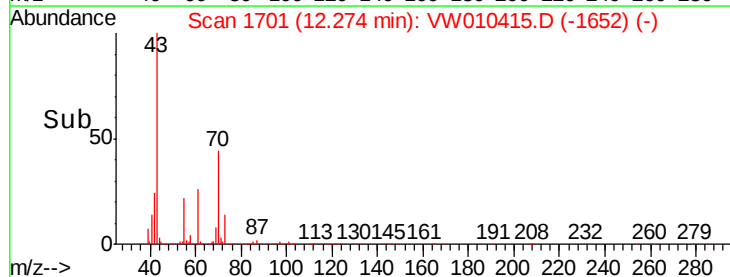
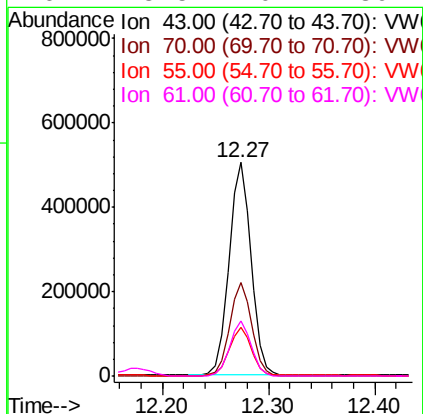
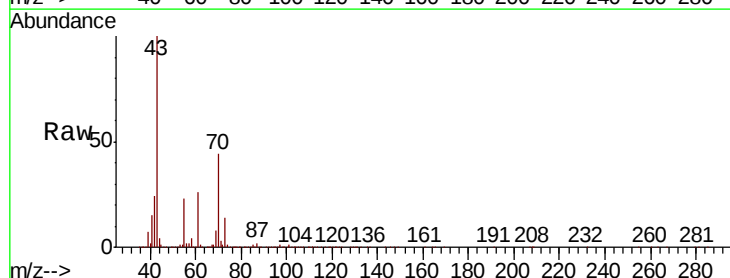
Ion Ratio Lower Upper

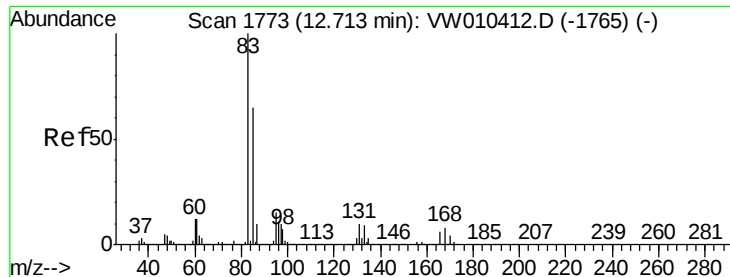
43 100

70 43.8 34.6 51.8

55 22.9 17.8 26.8

61 25.5 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.868 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

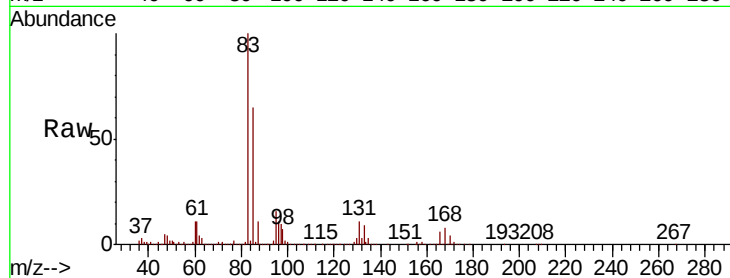
Tgt Ion: 83 Resp: 522125

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

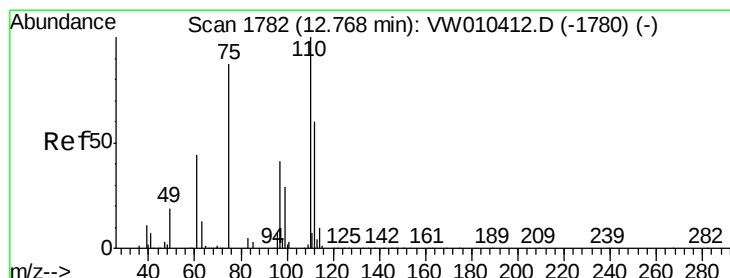
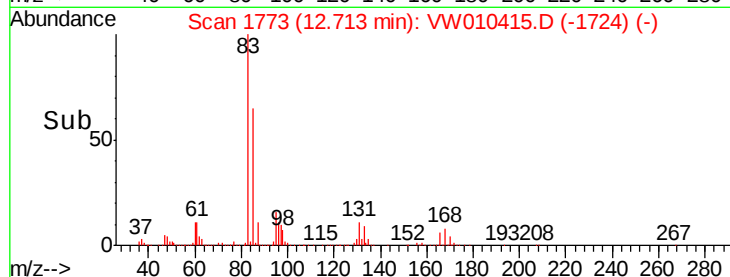
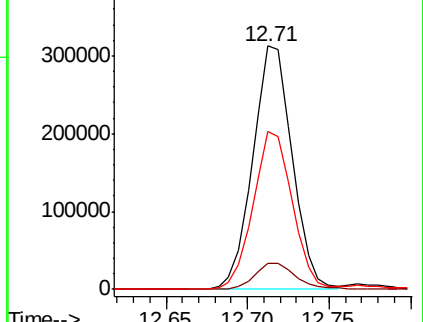
85 64.5 32.4 97.0



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: 85.672 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010415.D

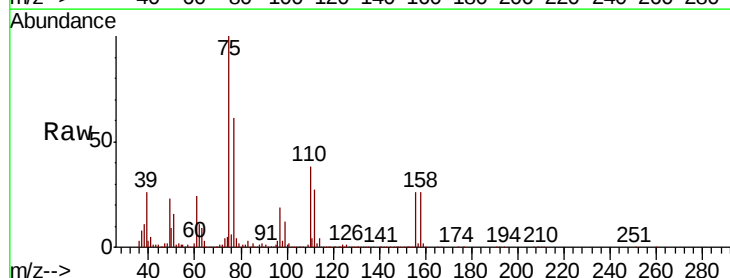
Acq: 16 May 2019 21:48

Tgt Ion: 75 Resp: 676523

Ion Ratio Lower Upper

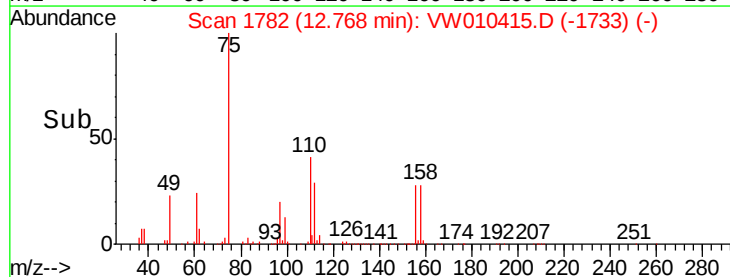
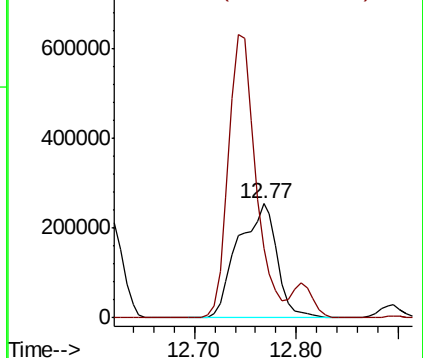
75 100

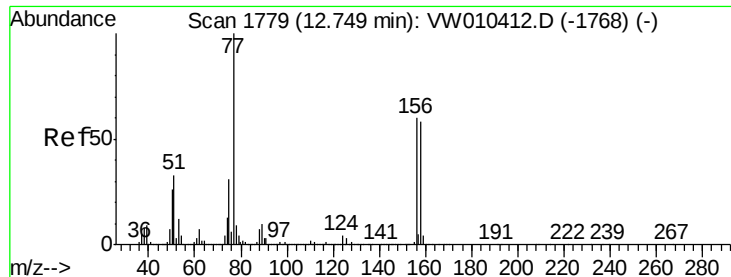
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.058 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

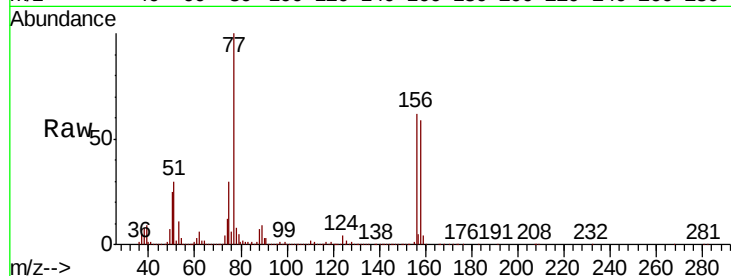
Tgt Ion:156 Resp: 628305

Ion Ratio Lower Upper

156 100

77 186.2 95.4 286.2

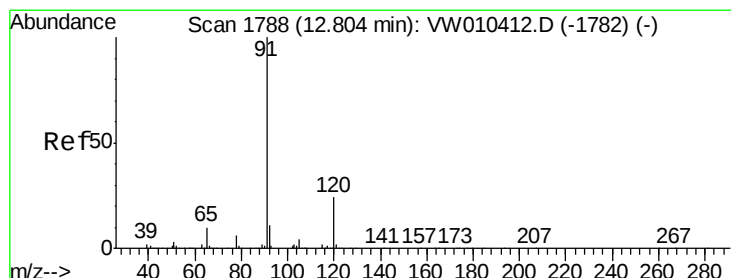
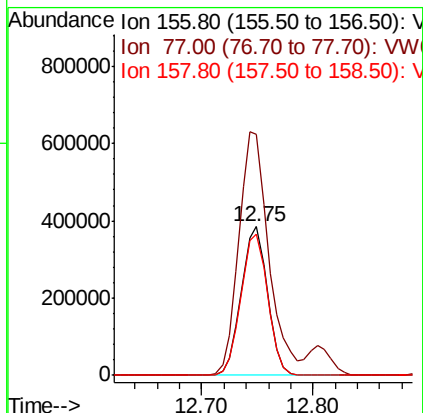
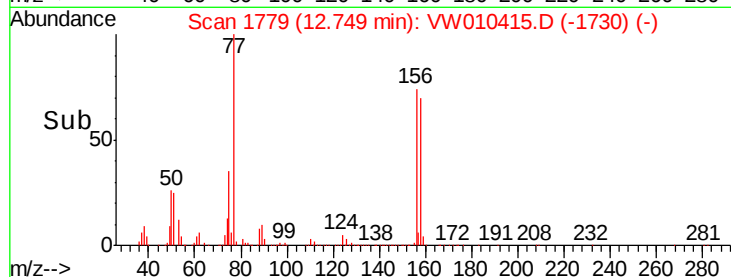
158 97.0 49.0 147.0



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: 49.050 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010415.D

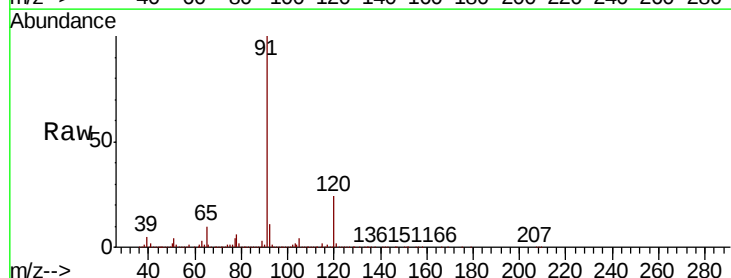
Acq: 16 May 2019 21:48

Tgt Ion: 91 Resp: 3044802

Ion Ratio Lower Upper

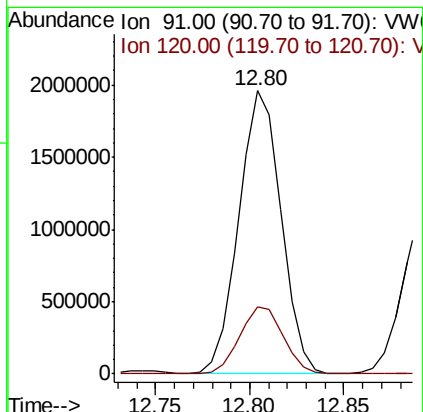
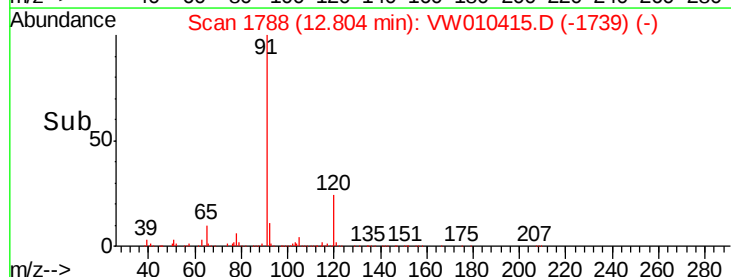
91 100

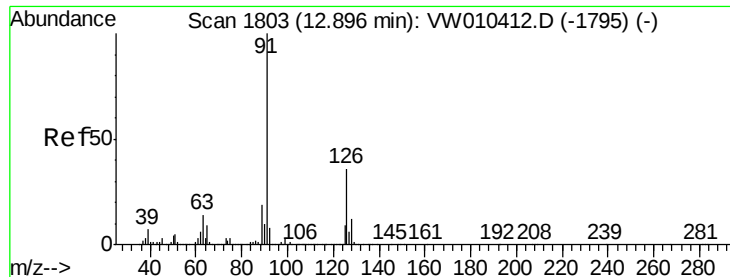
120 24.4 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.809 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

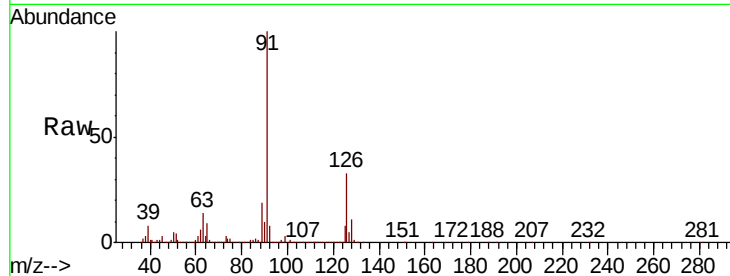
ICVW051619

Tgt Ion: 91 Resp: 1800611

Ion Ratio Lower Upper

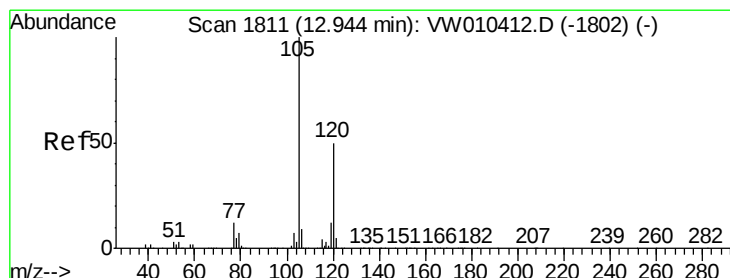
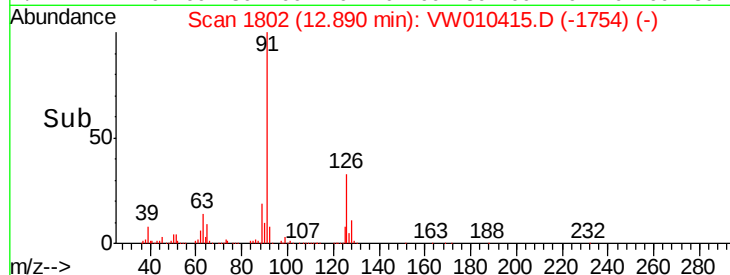
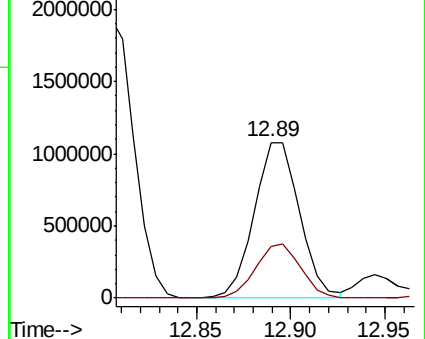
91 100

126 34.5 17.3 51.9



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: 48.967 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010415.D

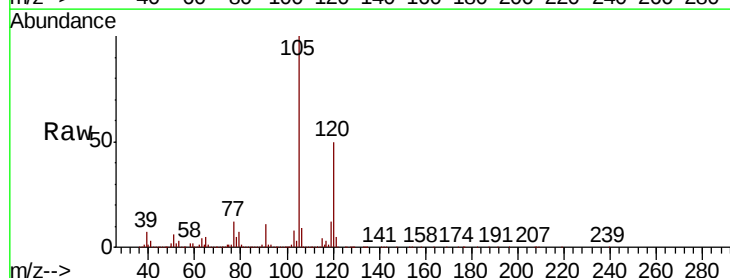
Acq: 16 May 2019 21:48

Tgt Ion: 105 Resp: 2239341

Ion Ratio Lower Upper

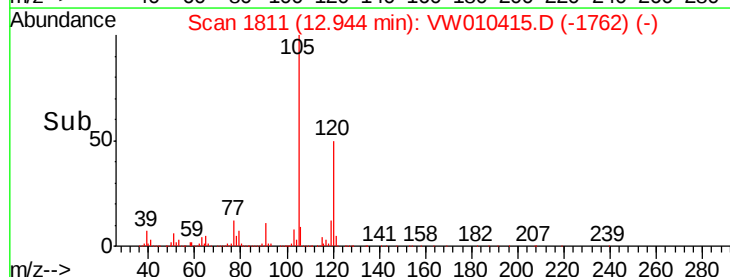
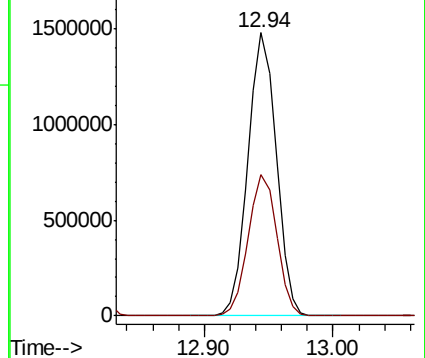
105 100

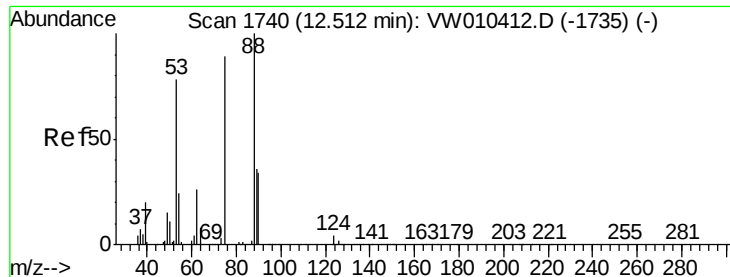
120 50.4 24.9 74.6



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: 47.802 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

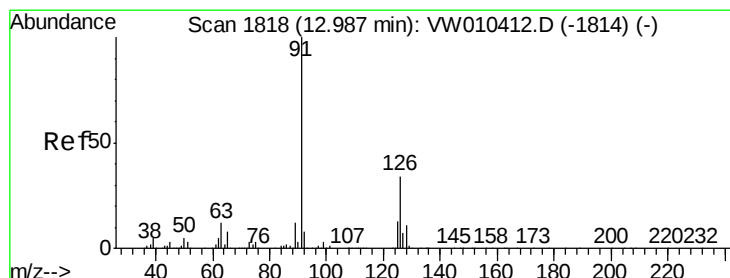
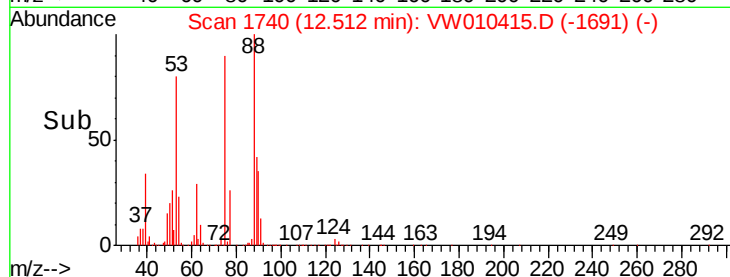
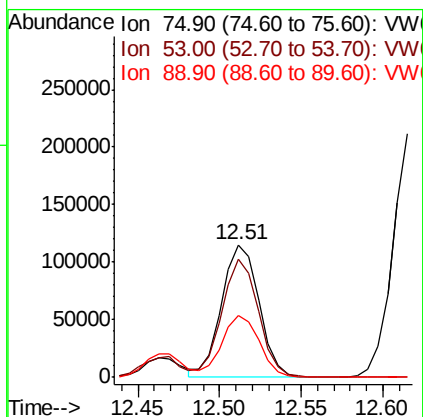
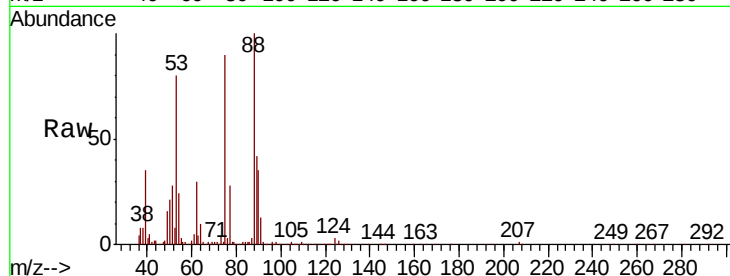
Tgt Ion: 75 Resp: 183127

Ion Ratio Lower Upper

75 100

53 87.6 71.0 106.6

89 46.8 37.4 56.2



#82

4-Chlorotoluene

Concen: 49.598 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW010415.D

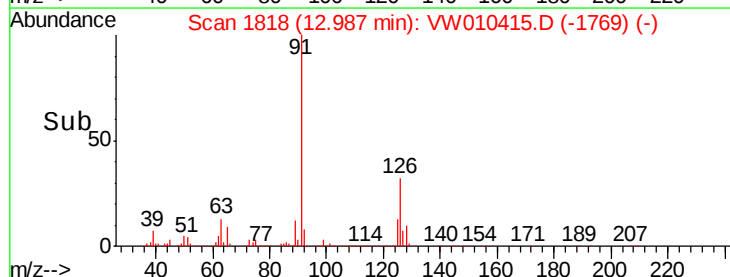
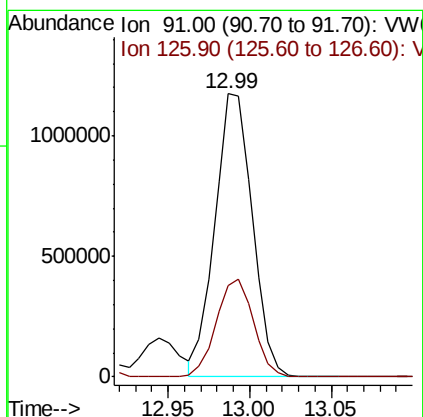
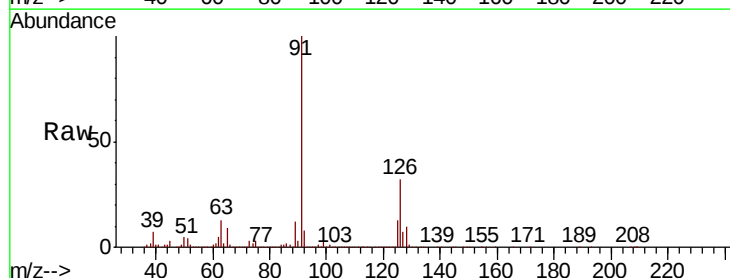
Acq: 16 May 2019 21:48

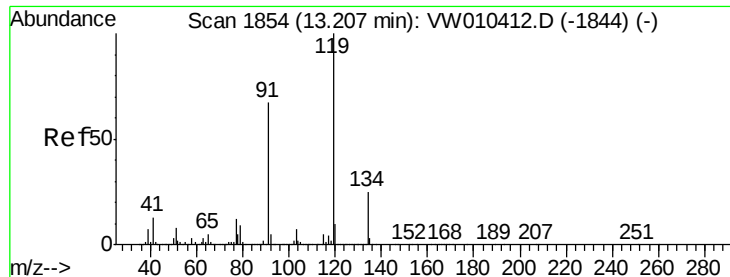
Tgt Ion: 91 Resp: 1878863

Ion Ratio Lower Upper

91 100

126 34.3 17.2 51.6

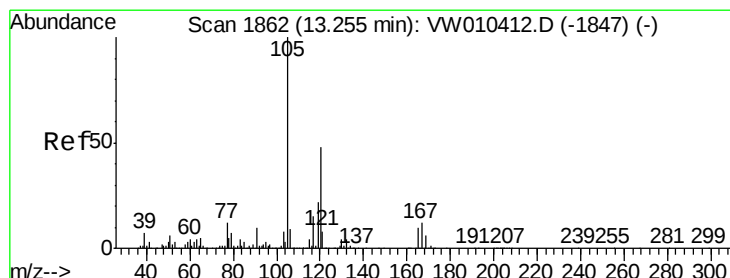
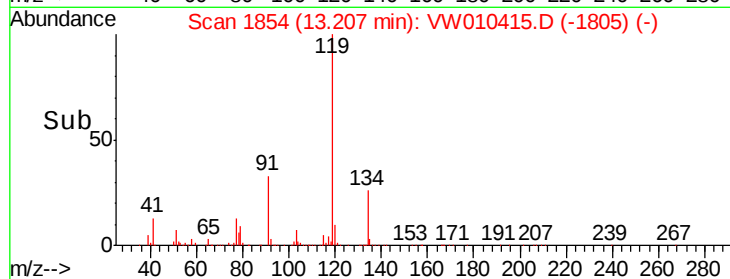
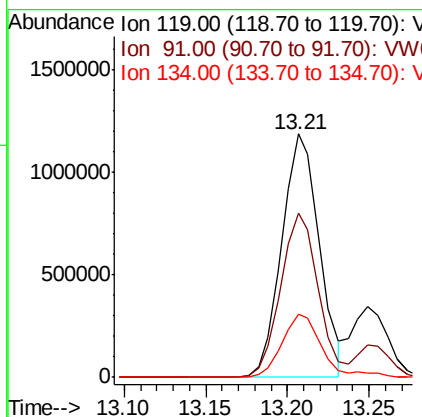
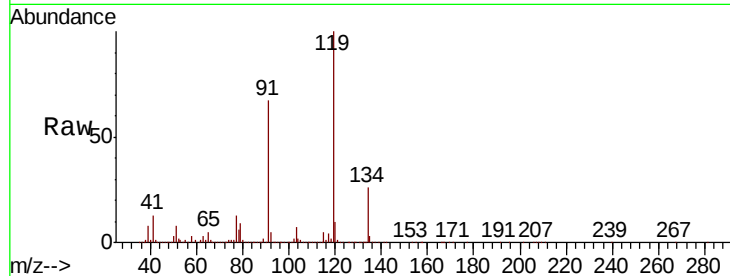




#83
tert-Butylbenzene
Concen: 49.335 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

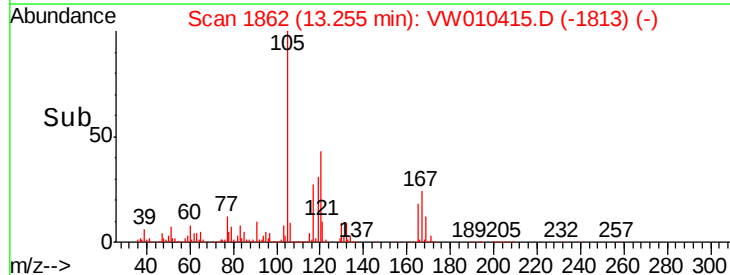
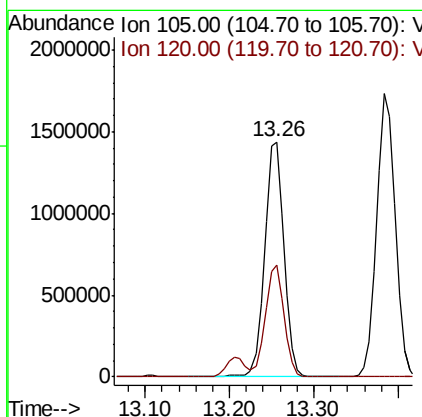
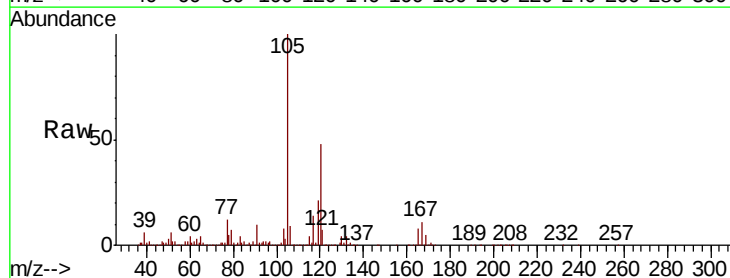
Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

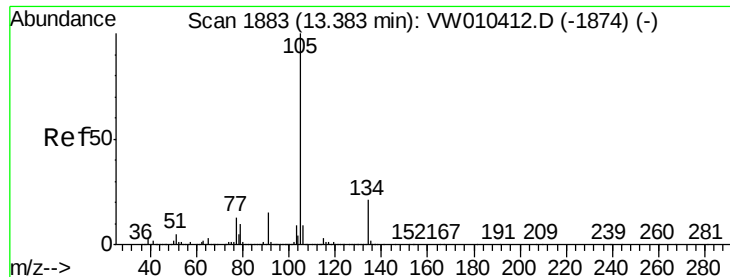
Tgt Ion:119 Resp: 1900821
Ion Ratio Lower Upper
119 100
91 67.7 33.8 101.4
134 27.7 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 49.584 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion:105 Resp: 2267740
Ion Ratio Lower Upper
105 100
120 46.3 23.4 70.0

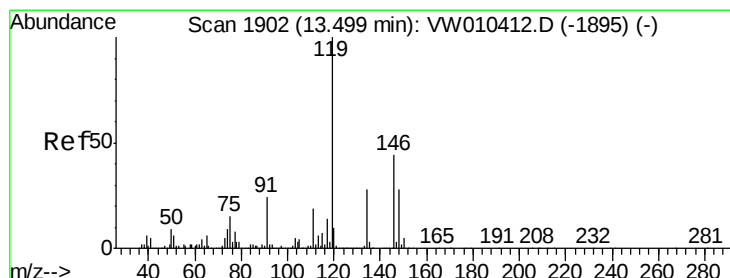
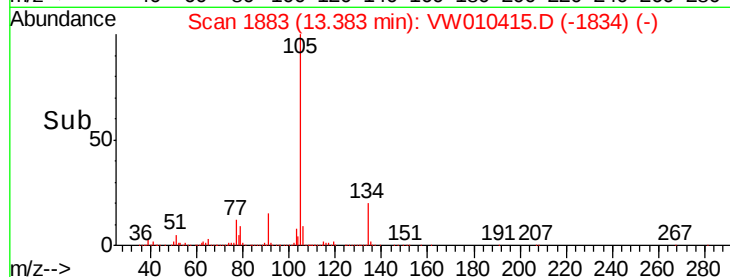
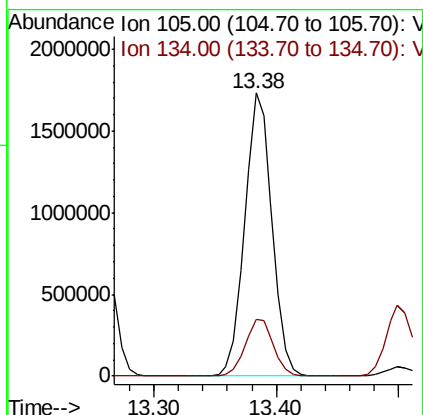
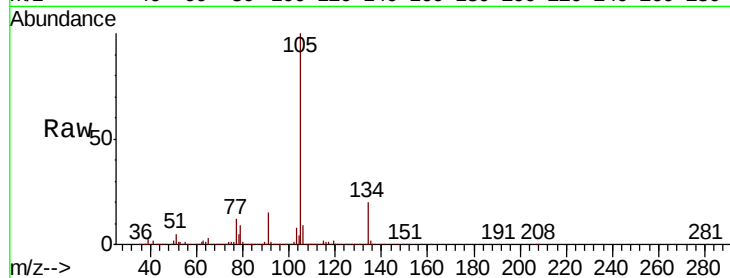




#85
 sec-Butylbenzene
 Concen: 48.951 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

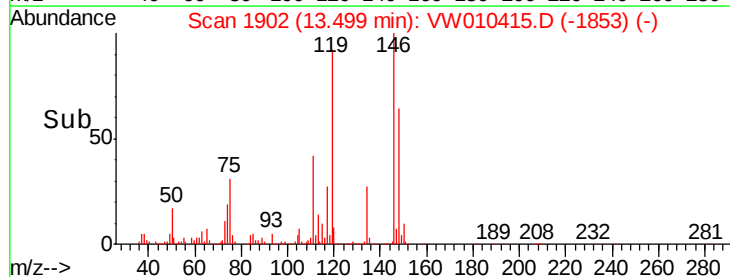
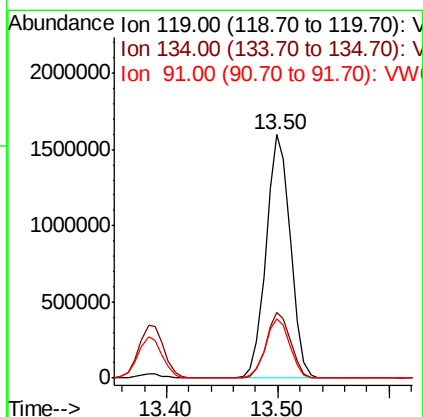
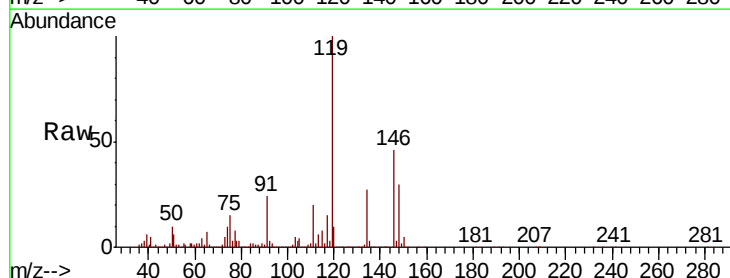
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051619

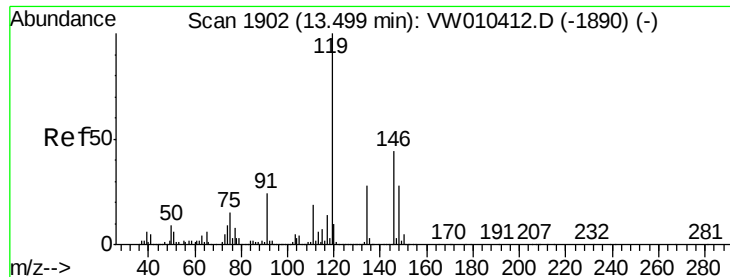
Tgt Ion:105 Resp: 2666972
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 48.939 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

Tgt Ion:119 Resp: 2429458
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.8
 91 24.3 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 49.652 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

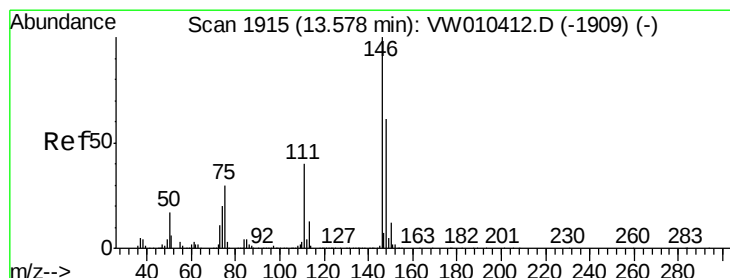
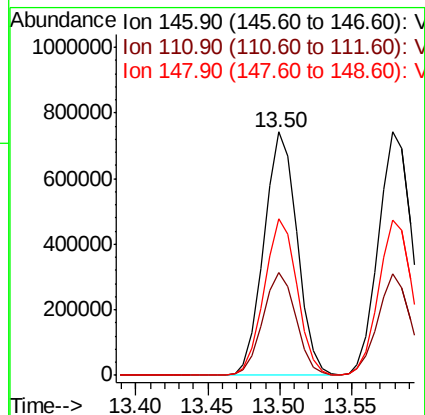
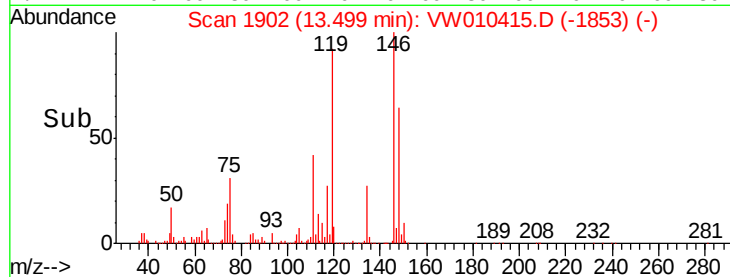
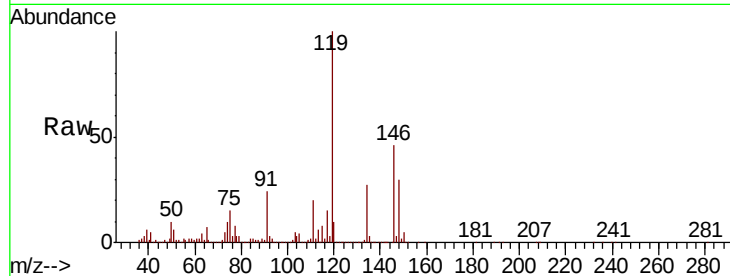
Tgt Ion:146 Resp: 1183044

Ion Ratio Lower Upper

146 100

111 41.9 21.0 63.0

148 63.9 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 49.860 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

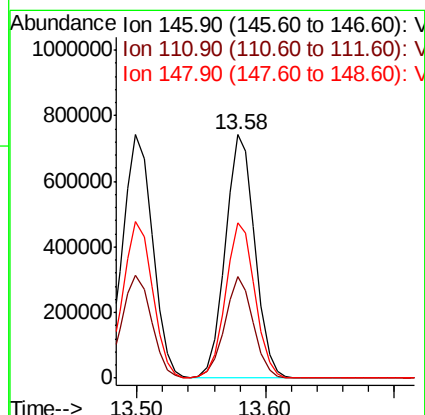
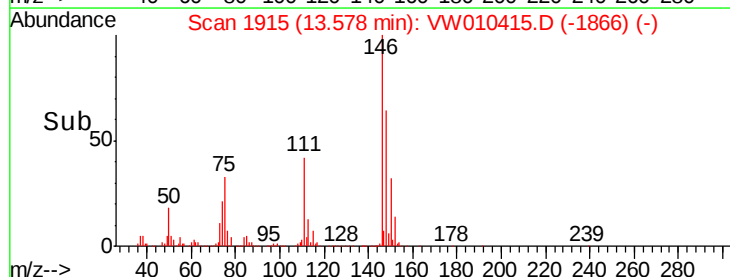
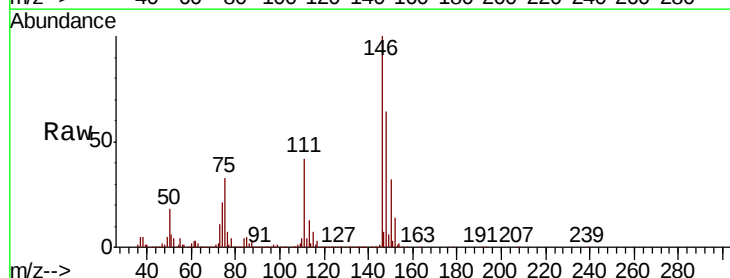
Tgt Ion:146 Resp: 1187245

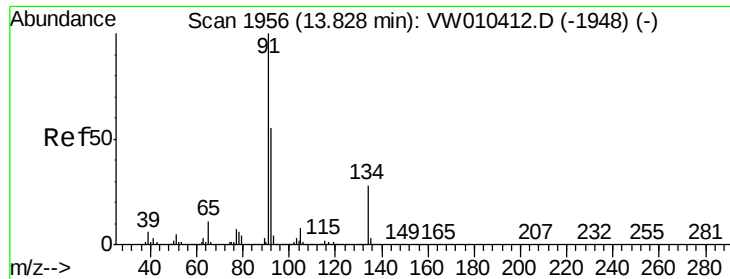
Ion Ratio Lower Upper

146 100

111 40.3 20.2 60.5

148 63.6 31.6 94.7





#89

n-Butylbenzene

Concen: 48.604 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010415.D

Acq: 16 May 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW051619

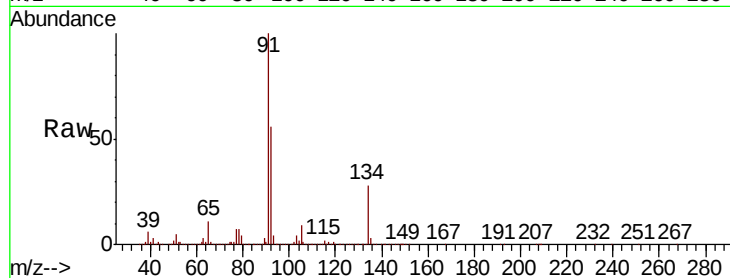
Tgt Ion: 91 Resp: 2300079

Ion Ratio Lower Upper

91 100

92 55.5 27.9 83.6

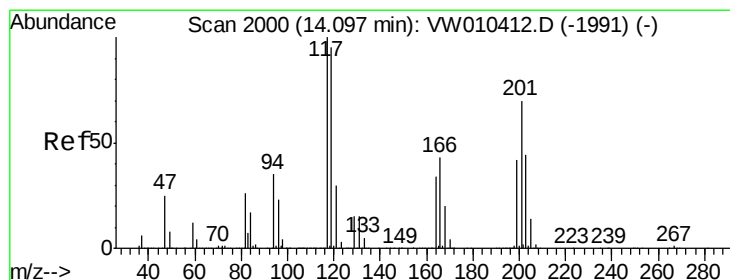
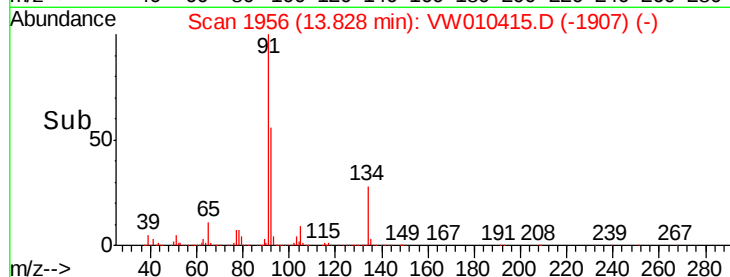
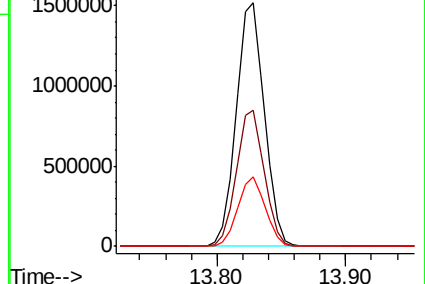
134 27.9 13.8 41.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 49.951 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010415.D

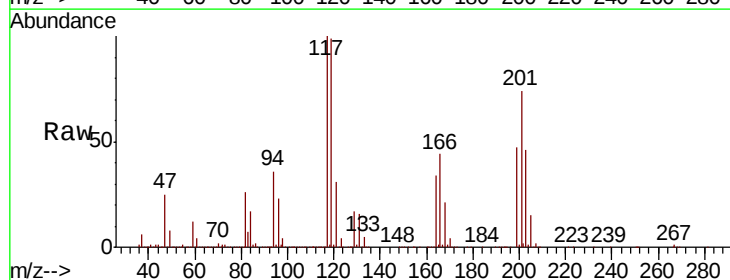
Acq: 16 May 2019 21:48

Tgt Ion: 117 Resp: 491111

Ion Ratio Lower Upper

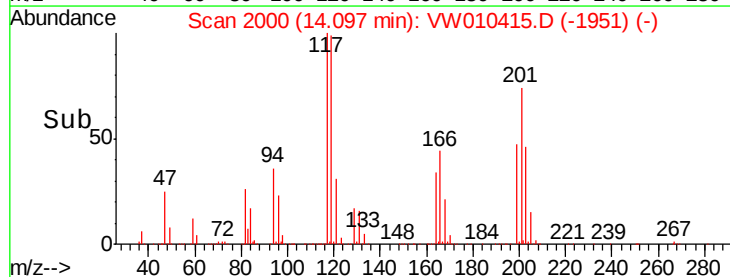
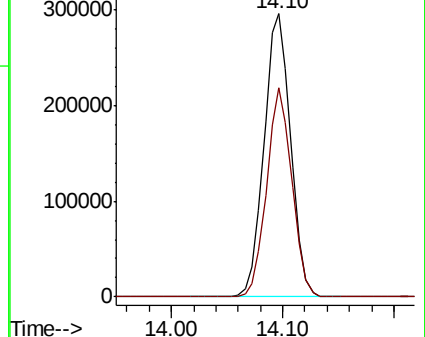
117 100

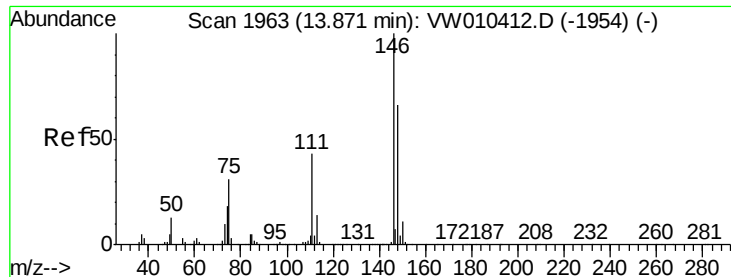
201 70.5 34.8 104.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

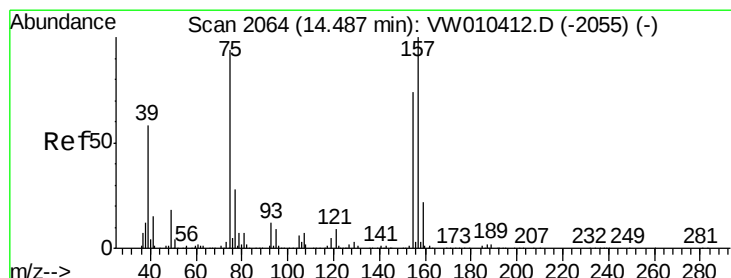
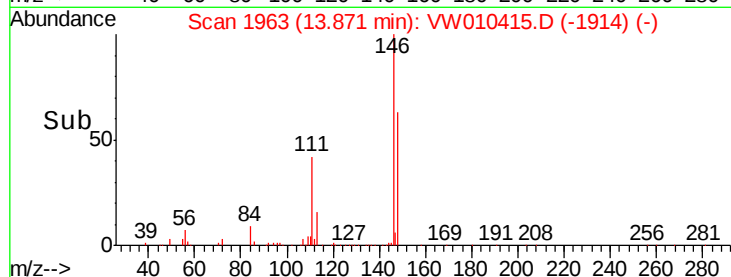
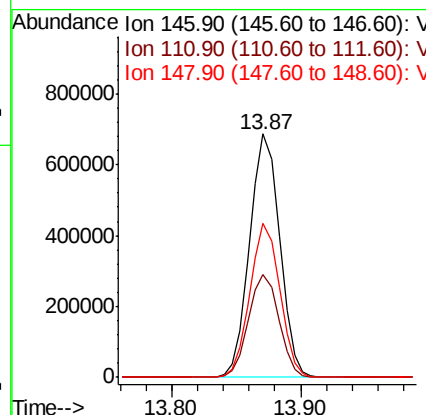
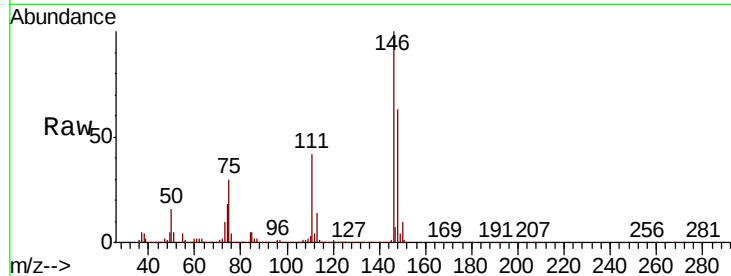




#91
 1,2-Dichlorobenzene
 Concen: 50.708 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

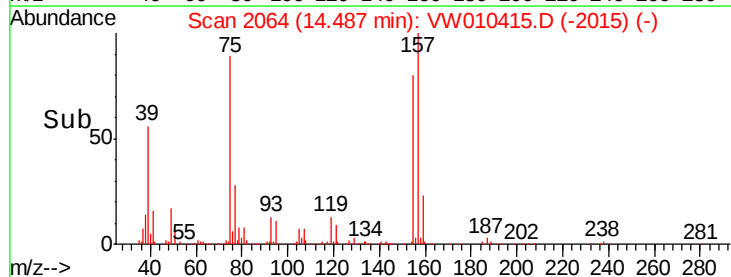
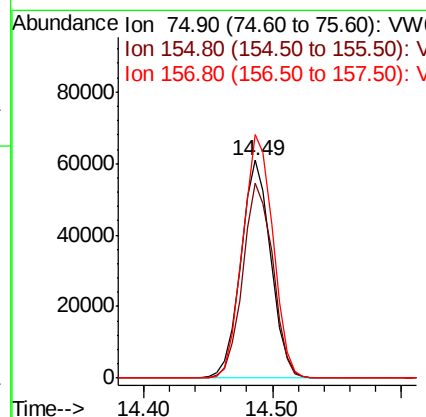
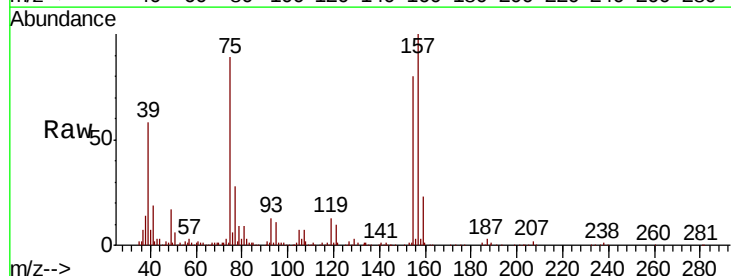
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051619

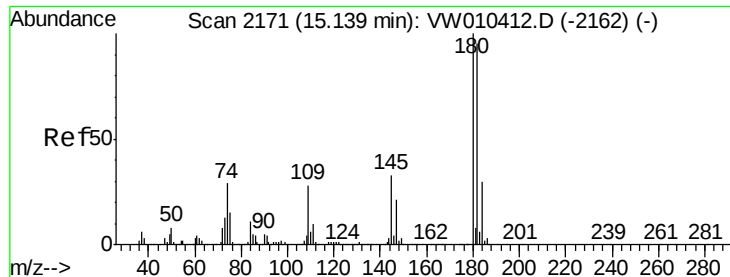
Tgt Ion:146 Resp: 1107655
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.4 64.3
 148 62.8 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.984 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

Tgt Ion: 75 Resp: 97816
 Ion Ratio Lower Upper
 75 100
 155 89.7 43.6 130.9
 157 113.3 56.9 170.7

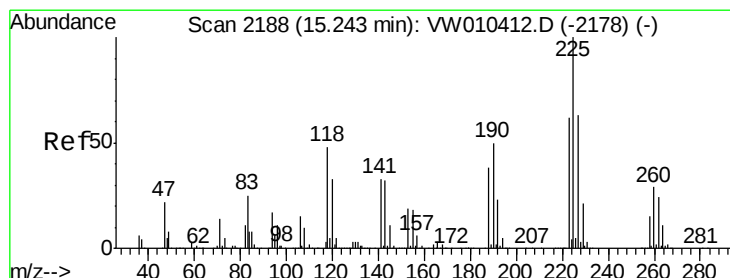
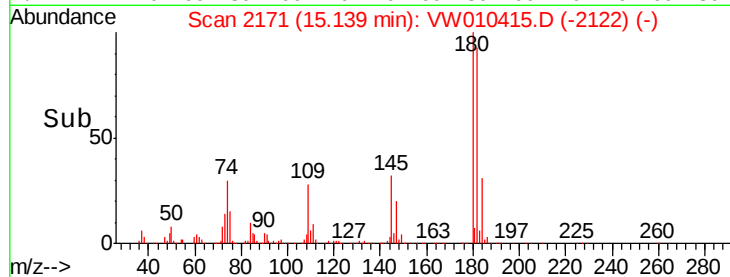
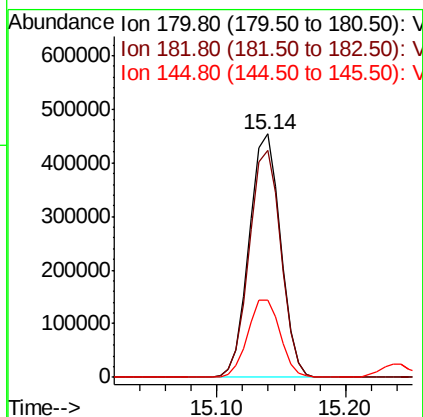
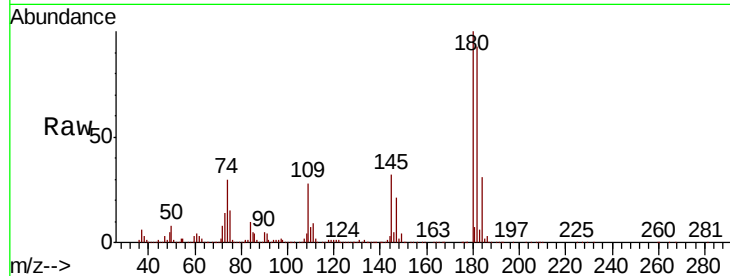




#93
 1,2,4-Trichlorobenzene
 Concen: 50.332 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

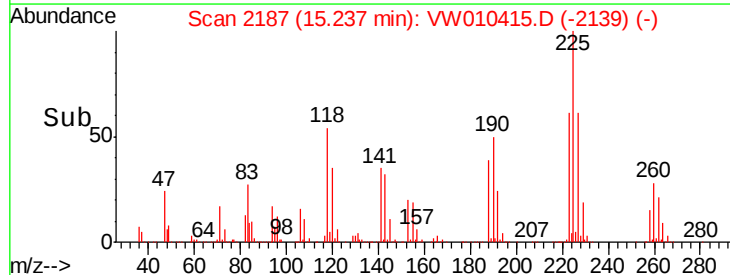
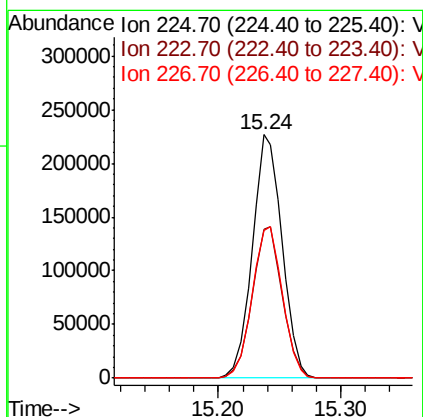
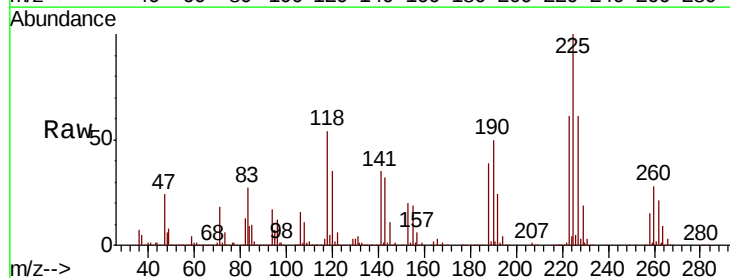
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051619

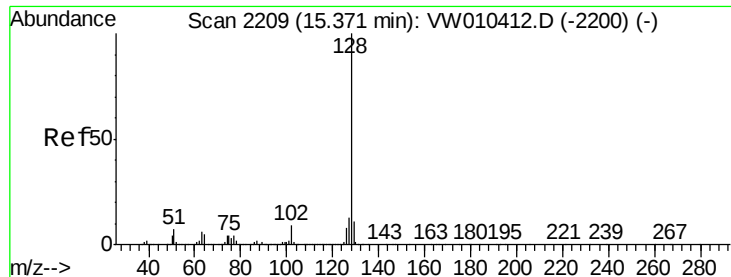
Tgt Ion:180 Resp: 761703
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.2 144.6
 145 33.2 16.8 50.3



#94
 Hexachlorobutadiene
 Concen: 49.892 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010415.D
 Acq: 16 May 2019 21:48

Tgt Ion:225 Resp: 384220
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.8 95.3
 227 63.2 31.6 95.0

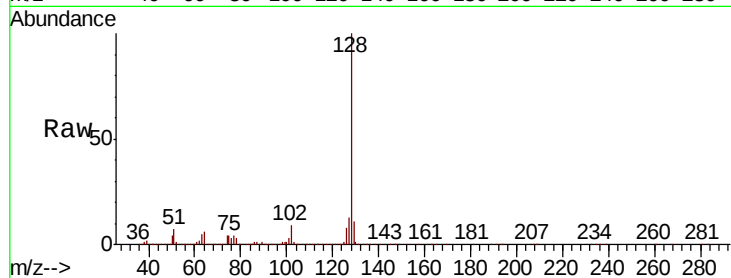




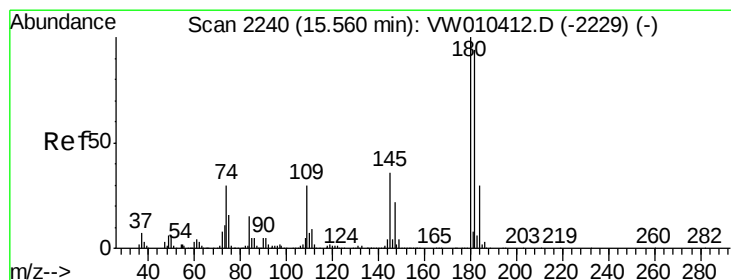
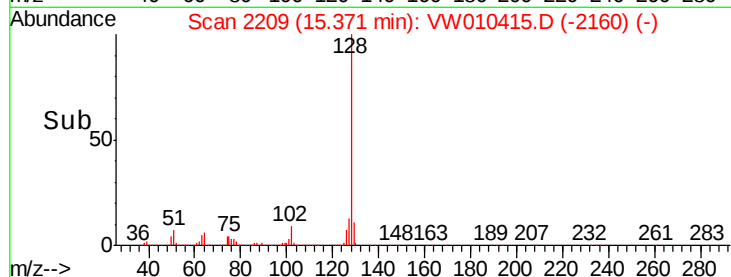
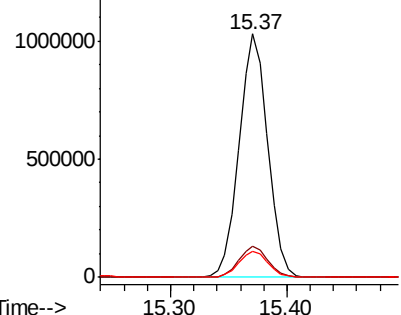
#95
Naphthalene
Concen: 52.079 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW051619

Tgt Ion:128 Resp: 1764073
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.8 13.2

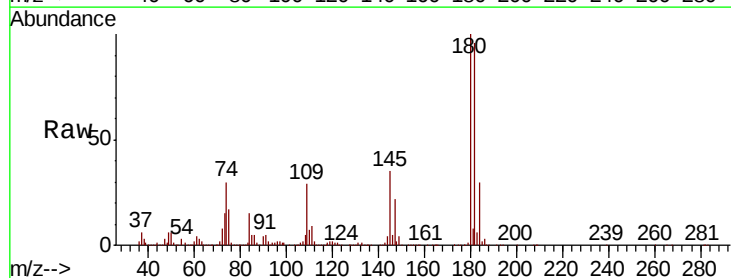


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 51.352 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010415.D
Acq: 16 May 2019 21:48

Tgt Ion:180 Resp: 694069
Ion Ratio Lower Upper
180 100
182 95.2 47.3 141.9
145 34.8 17.6 52.8



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

