

Data File : VW009015.D
Acq On : 06 Mar 2019 12:08
Operator : SY/VA
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Quant Time: Mar 07 07:00:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	315207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	439663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	430714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	237486	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	146424	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
35) Dibromofluoromethane	7.88	113	132101	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.32	98	571330	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.62	95	215021	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	135978	43.426	ug/l	100
3) Chloromethane	2.21	50	184860	46.870	ug/l	100
4) Vinyl Chloride	2.35	62	181547	45.934	ug/l	100
5) Bromomethane	2.77	94	174231	50.200	ug/l	100
6) Chloroethane	2.92	64	130105	46.427	ug/l	100
7) Trichlorofluoromethane	3.26	101	229130	45.005	ug/l	100
8) Diethyl Ether	3.68	74	68280	42.964	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	139271	44.083	ug/l	100
10) Methyl Iodide	4.27	142	164065	55.014	ug/l	100
11) Tert butyl alcohol	5.20	59	43720	189.010	ug/l	100
12) 1,1-Dichloroethene	4.04	96	126305	45.881	ug/l	100
13) Acrolein	3.90	56	55104	212.505	ug/l	100
14) Allyl chloride	4.67	41	219579	46.136	ug/l	100
15) Acrylonitrile	5.38	53	152839	224.636	ug/l	100
16) Acetone	4.14	43	149230	229.880	ug/l	100
17) Carbon Disulfide	4.38	76	444189	48.146	ug/l	100
18) Methyl Acetate	4.67	43	66899	45.181	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	327400	45.942	ug/l	100
20) Methylene Chloride	4.92	84	155093	40.808	ug/l	100
21) trans-1,2-Dichloroethene	5.43	96	143204	45.477	ug/l	100
22) Diisopropyl ether	6.31	45	444473	46.768	ug/l	100
23) Vinyl Acetate	6.26	43	1356158	229.113	ug/l	100
24) 1,1-Dichloroethane	6.22	63	253228	45.825	ug/l	100
25) 2-Butanone	7.18	43	205303	222.195	ug/l	100
26) 2,2-Dichloropropane	7.16	77	228660	45.236	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	152398	45.973	ug/l	100
28) Bromochloromethane	7.51	49	111412	46.446	ug/l	100
29) Tetrahydrofuran	7.53	42	126669	218.215	ug/l	100
30) Chloroform	7.68	83	260504	46.044	ug/l	100
31) Cyclohexane	7.95	56	254164	44.726	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	238651	45.924	ug/l	100
36) 1,1-Dichloropropene	8.08	75	210625	48.179	ug/l	100
37) Ethyl Acetate	7.25	43	88937	45.994	ug/l	100
38) Carbon Tetrachloride	8.07	117	216327	47.817	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	266288	50.422	ug/l	100
40) Benzene	8.32	78	581337	49.301	ug/l	100
41) Methacrylonitrile	7.48	41	48737	42.492	ug/l	100
42) 1,2-Dichloroethane	8.40	62	173676	45.890	ug/l	100
43) Isopropyl Acetate	8.43	43	179018	47.095	ug/l	100
44) Trichloroethene	9.09	130	157738	47.975	ug/l	100
45) 1,2-Dichloropropane	9.37	63	139596	47.754	ug/l	100
46) Dibromomethane	9.46	93	75921	47.077	ug/l	100
47) Bromodichloromethane	9.64	83	189300	46.823	ug/l	100
48) Methyl methacrylate	9.44	41	90404	50.332	ug/l	100
49) 1,4-Dioxane	9.46	88	21182	960.802	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	472557	245.838	ug/l	100
52) Toluene	10.39	92	401381	50.423	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	197340	49.207	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	221038	48.280	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	102849	46.955	ug/l	100
56) Ethyl methacrylate	10.65	69	137062	50.587	ug/l	100
57) 1,3-Dichloropropane	10.93	76	182464	47.371	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	356339	247.855	ug/l	100
59) 2-Hexanone	10.97	43	343409	254.127	ug/l	100
60) Dibromochloromethane	11.13	129	127858	48.058	ug/l	100
61) 1,2-Dibromoethane	11.24	107	99454	47.904	ug/l	100
64) Tetrachloroethene	10.86	164	147183	49.491	ug/l	100
65) Chlorobenzene	11.66	112	440137	49.232	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	142433	47.440	ug/l	100
67) Ethyl Benzene	11.73	91	814312	50.237	ug/l	100
68) m/p-Xylenes	11.84	106	635383	99.342	ug/l	100
69) o-Xylene	12.16	106	298328	49.965	ug/l	100
70) Styrene	12.18	104	480773	49.705	ug/l	100
71) Bromoform	12.35	173	78065	48.800	ug/l #	100
73) Isopropylbenzene	12.46	105	827368	50.897	ug/l	100
74) N-amyl acetate	12.27	43	197263	50.972	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	121885	48.072	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	171958	66.996	ug/l #	100
77) Bromobenzene	12.75	156	184100	50.028	ug/l	100
78) n-propylbenzene	12.80	91	1025838	51.404	ug/l	100
79) 2-Chlorotoluene	12.89	91	564880	50.131	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	708914	50.816	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	39212	50.495	ug/l	100
82) 4-Chlorotoluene	12.99	91	601208	50.160	ug/l	100
83) tert-Butylbenzene	13.21	119	608429	50.616	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	725017	50.765	ug/l	100
85) sec-Butylbenzene	13.38	105	895912	51.093	ug/l	100
86) p-Isopropyltoluene	13.50	119	810879	51.376	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	393711	49.976	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	382576	48.963	ug/l	100
89) n-Butylbenzene	13.83	91	773584	51.771	ug/l	100
90) Hexachloroethane	14.10	117	137698	50.925	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	343779	49.876	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22464	48.474	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030619\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	241367	51.139	ug/l	100
94) Hexachlorobutadiene	15.24	225	150996	50.331	ug/l	100
95) Naphthalene	15.37	128	401091	52.412	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	208058	50.914	ug/l	100

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

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ClientSampleId :
VSTDICCC050

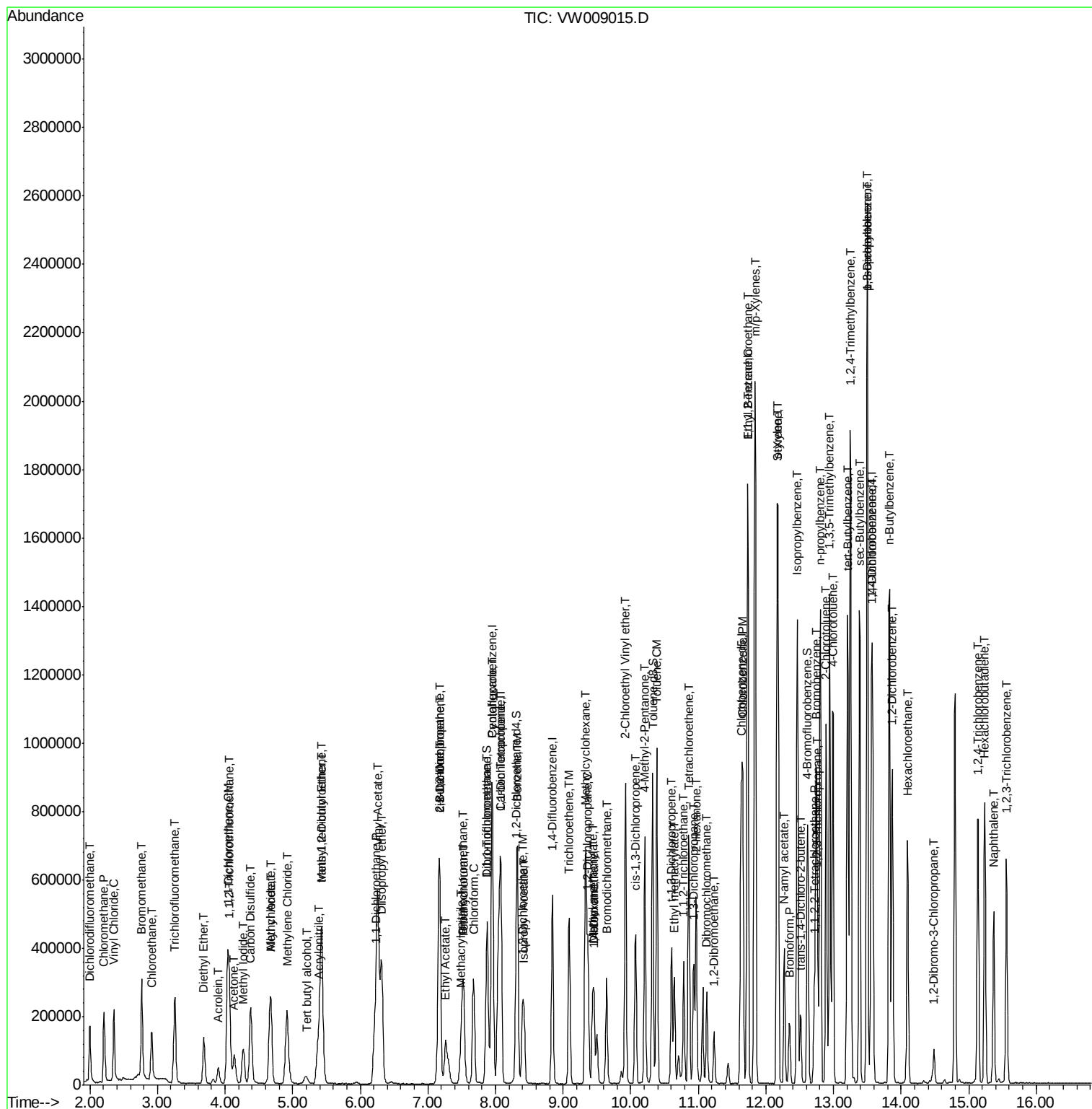
Quant Time: Mar 07 07:00:57 2019

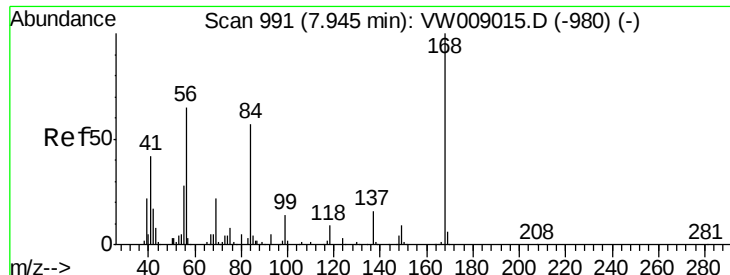
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W030619S.M

Quant Title : SW846 8260

QLast Update : Thu Mar 07 06:55:45 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

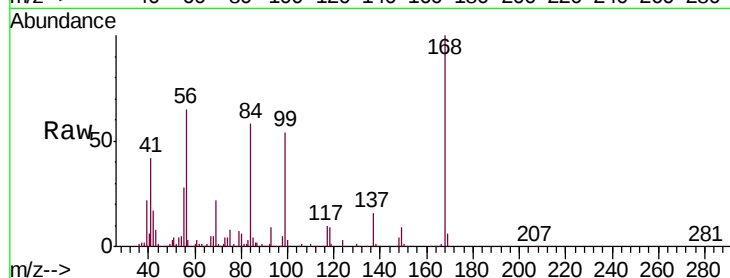
VSTDICCC050

Tgt Ion:168 Resp: 315207

Ion Ratio Lower Upper

168 100

99 54.4 43.5 65.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

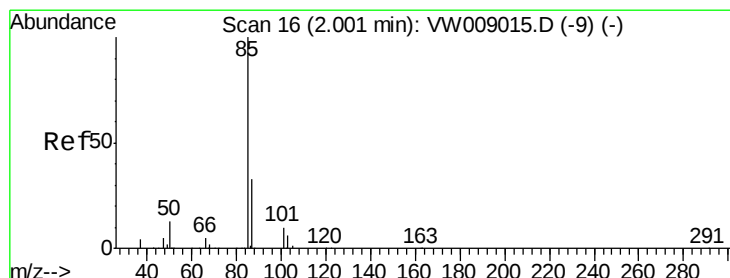
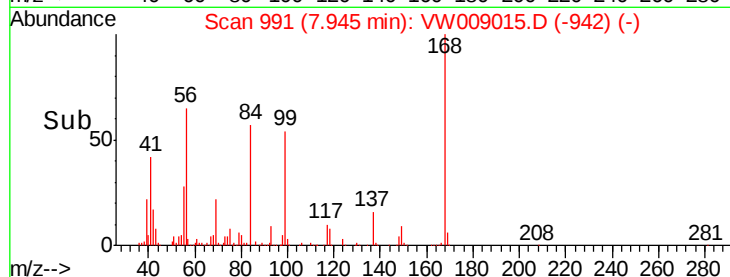
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50000

0

7.80 7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 43.426 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW009015.D

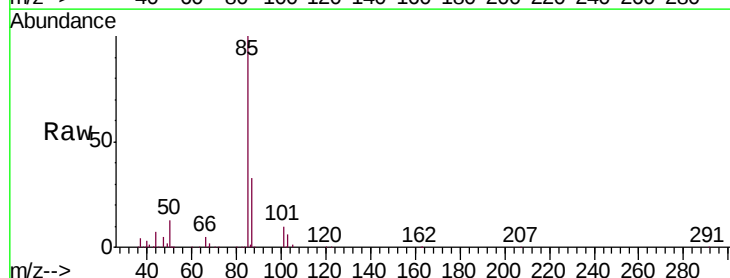
Acq: 06 Mar 2019 12:08

Tgt Ion: 85 Resp: 135978

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100000

80000

60000

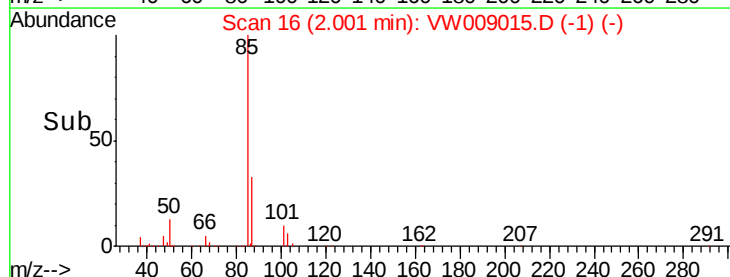
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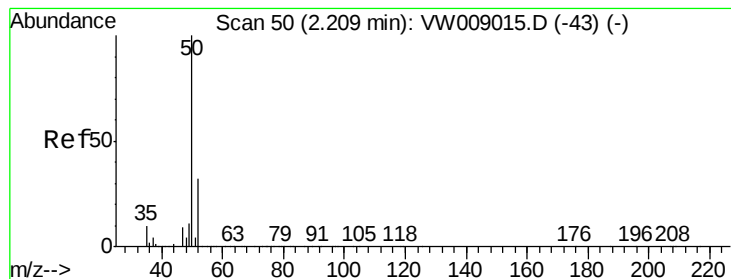
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 46.870 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

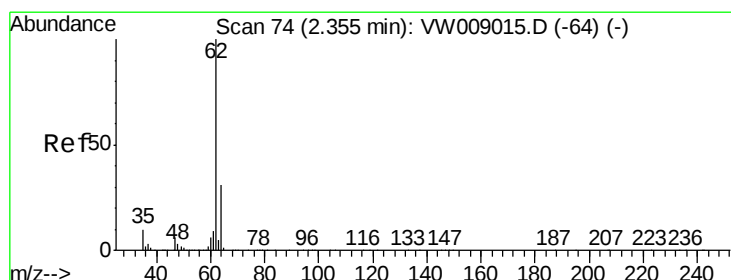
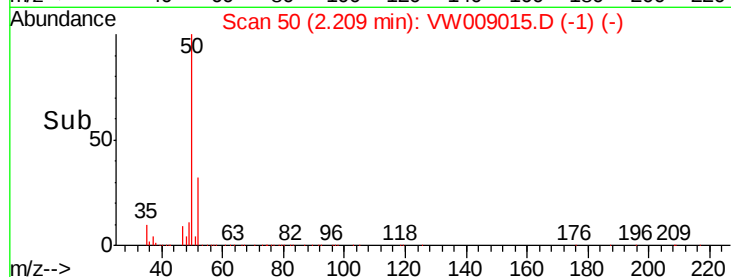
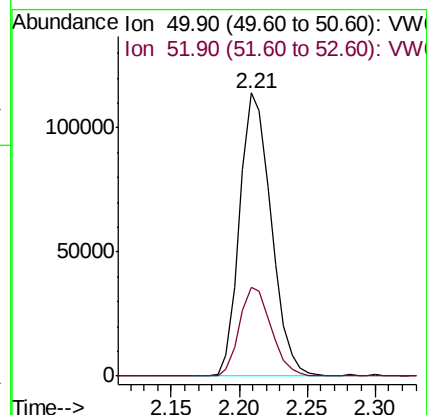
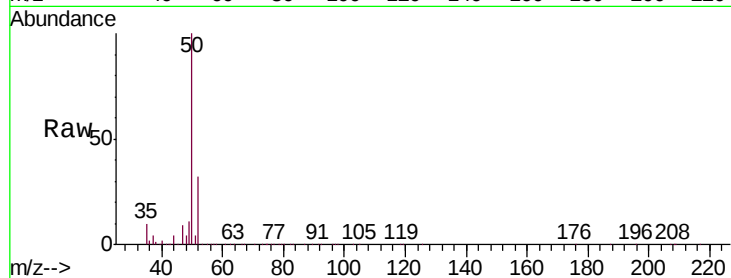
VSTDICCC050

Tgt Ion: 50 Resp: 184860

Ion Ratio Lower Upper

50 100

52 31.6 25.3 37.9



#4

Vinyl Chloride

Concen: 45.934 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009015.D

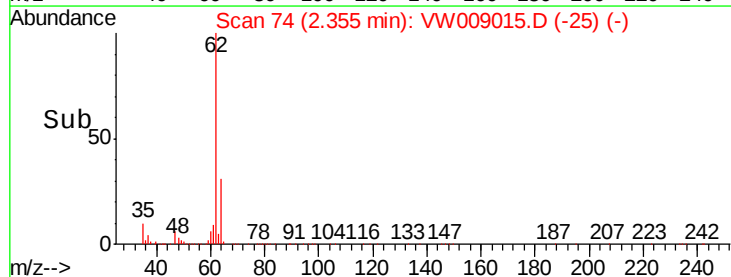
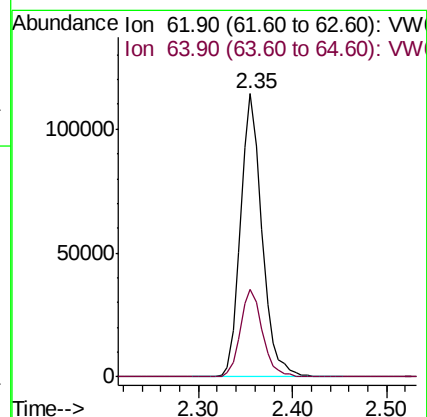
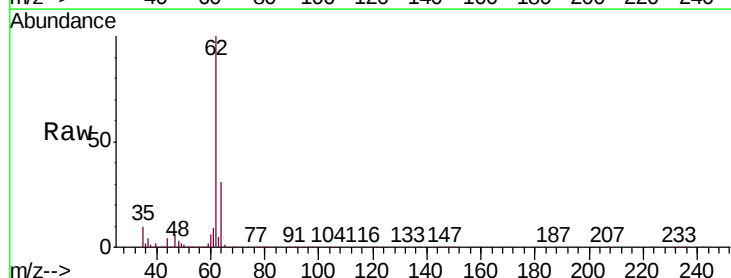
Acq: 06 Mar 2019 12:08

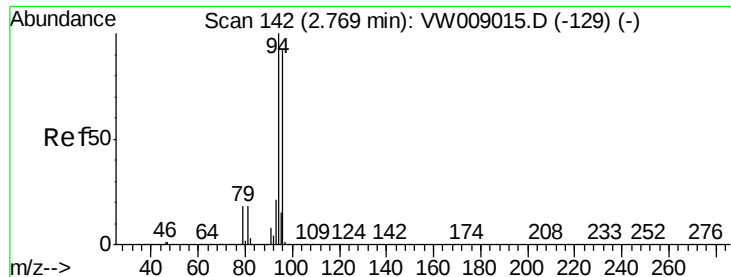
Tgt Ion: 62 Resp: 181547

Ion Ratio Lower Upper

62 100

64 30.7 24.6 36.8





#5

Bromomethane

Concen: 50.200 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

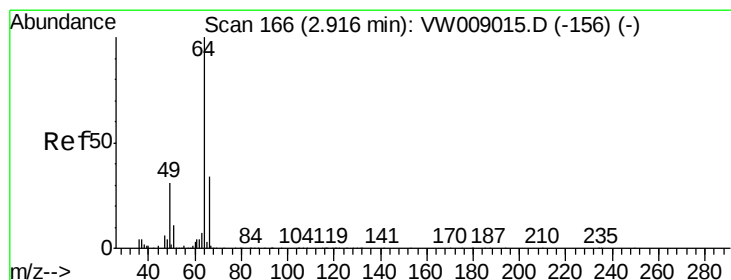
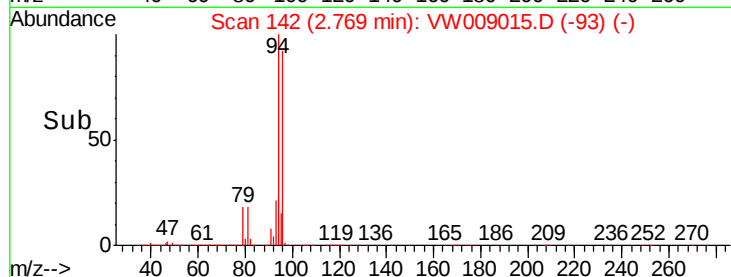
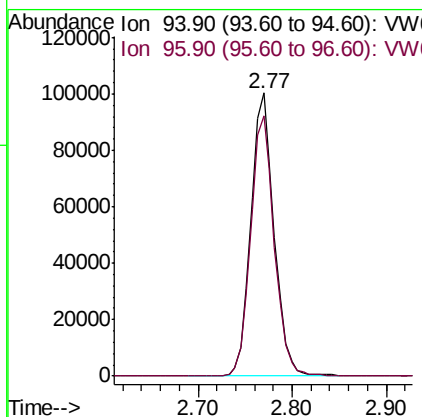
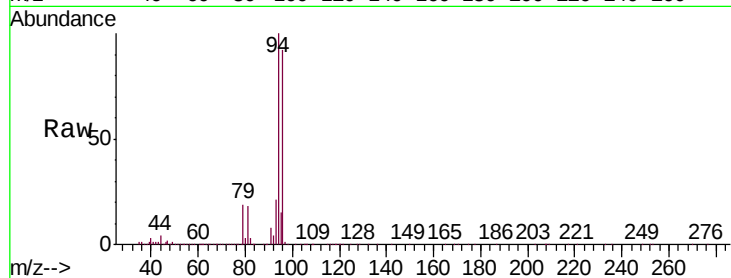
VSTDICCC050

Tgt Ion: 94 Resp: 174231

Ion Ratio Lower Upper

94 100

96 91.7 73.4 110.0



#6

Chloroethane

Concen: 46.427 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009015.D

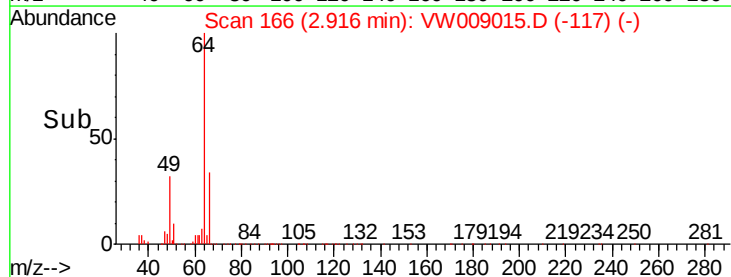
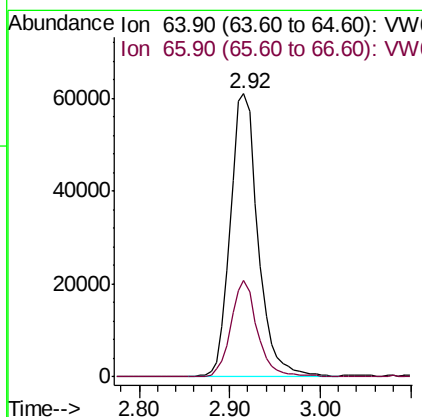
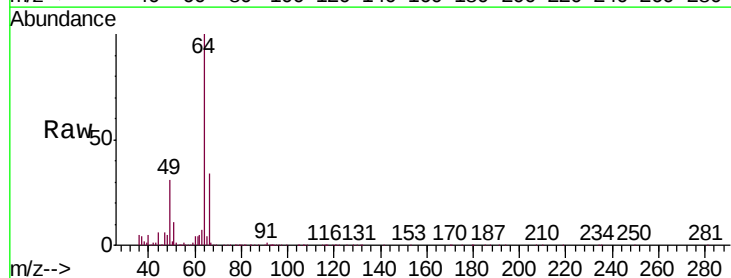
Acq: 06 Mar 2019 12:08

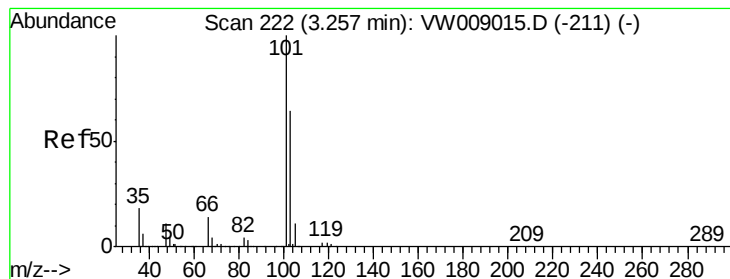
Tgt Ion: 64 Resp: 130105

Ion Ratio Lower Upper

64 100

66 34.0 27.2 40.8



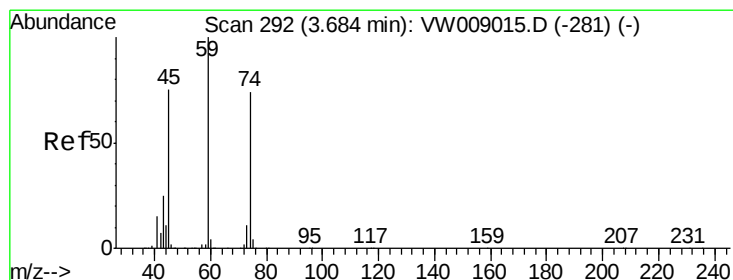
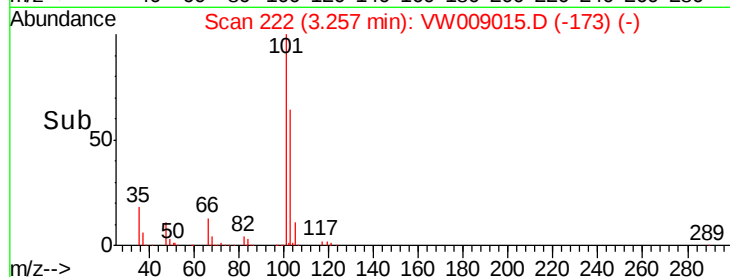
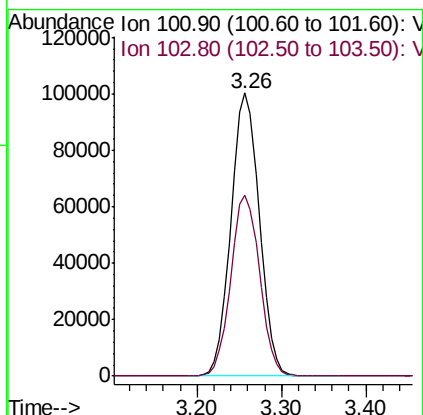
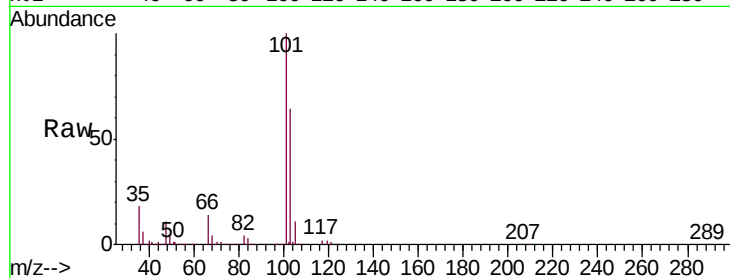


#7

Trichlorofluoromethane
 Concen: 45.005 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

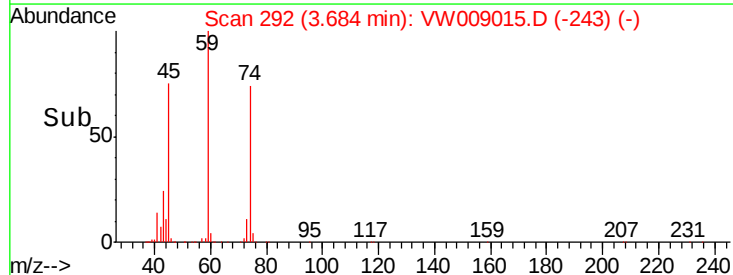
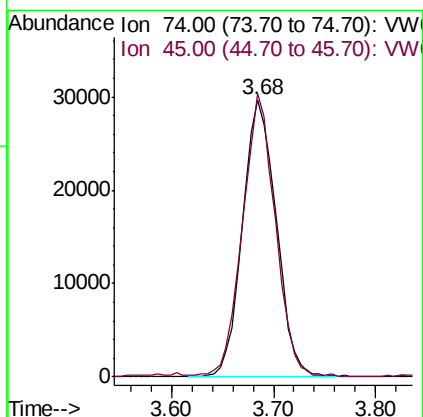
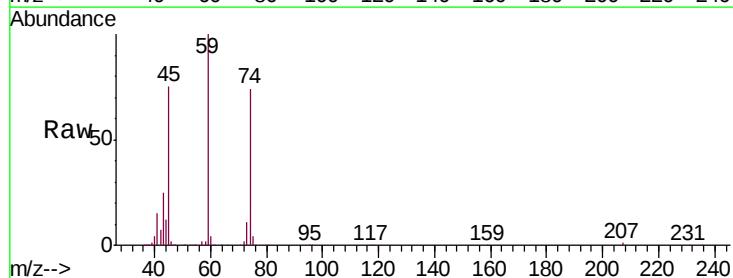
Tgt Ion:101 Resp: 229130
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.1 76.7

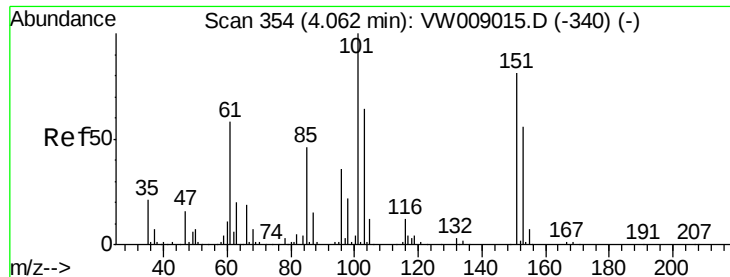


#8

Diethyl Ether
 Concen: 42.964 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

Tgt Ion: 74 Resp: 68280
 Ion Ratio Lower Upper
 74 100
 45 97.6 48.8 146.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.083 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

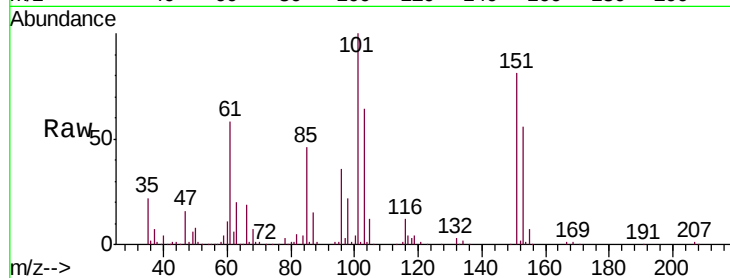
Tgt Ion:101 Resp: 139271

Ion Ratio Lower Upper

101 100

85 45.8 36.6 55.0

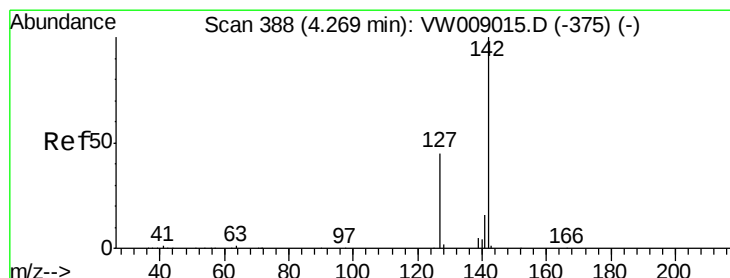
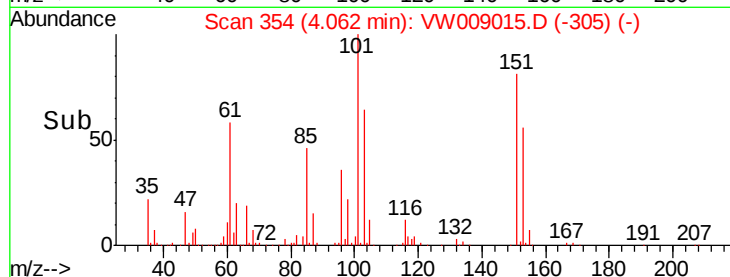
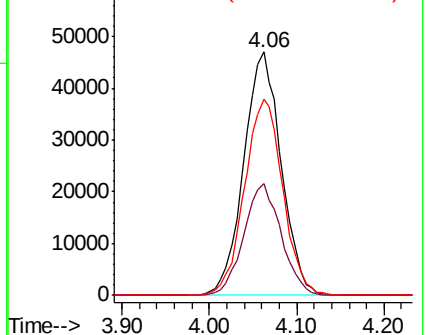
151 82.5 66.0 99.0



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: 55.014 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

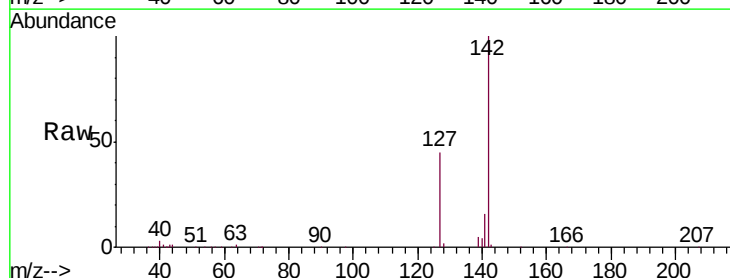
Tgt Ion:142 Resp: 164065

Ion Ratio Lower Upper

142 100

127 45.2 36.2 54.2

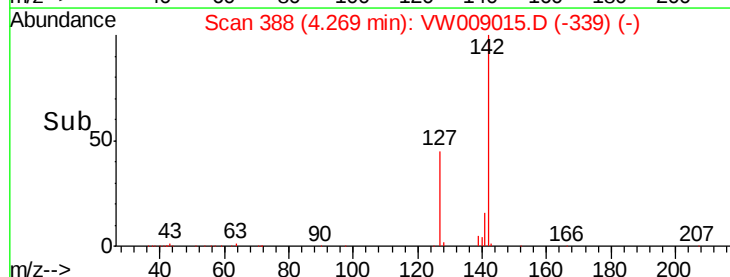
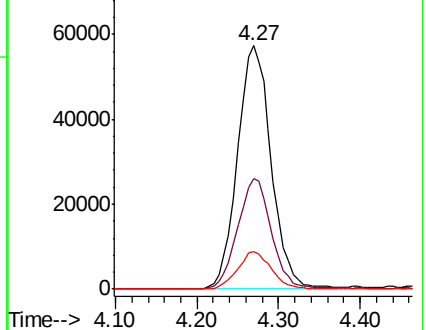
141 15.4 12.3 18.5

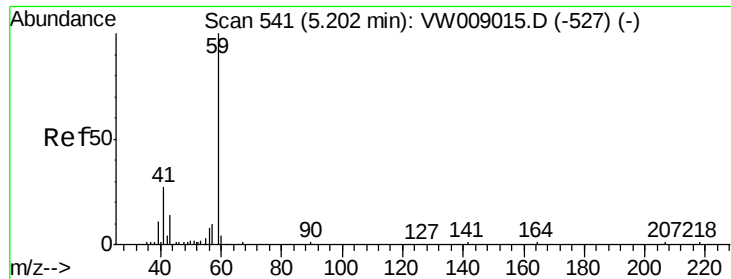


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 189.010 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.00 min

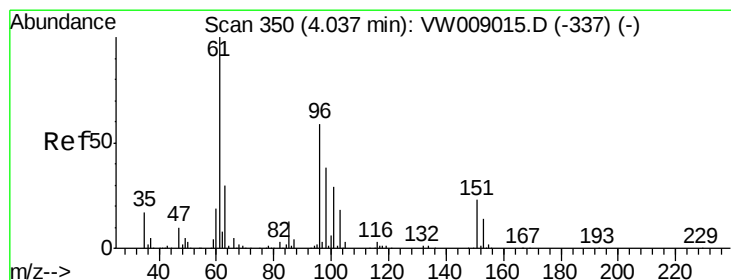
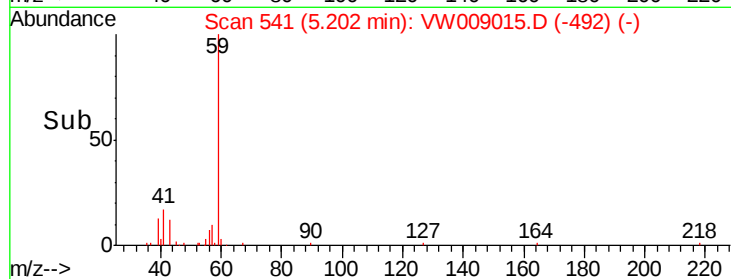
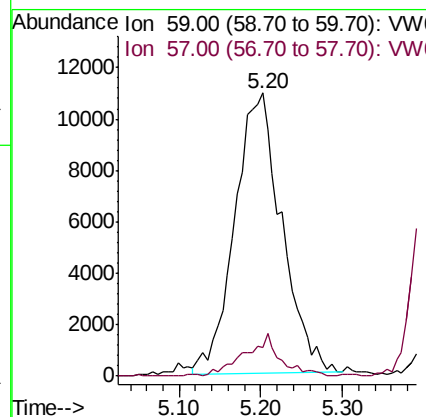
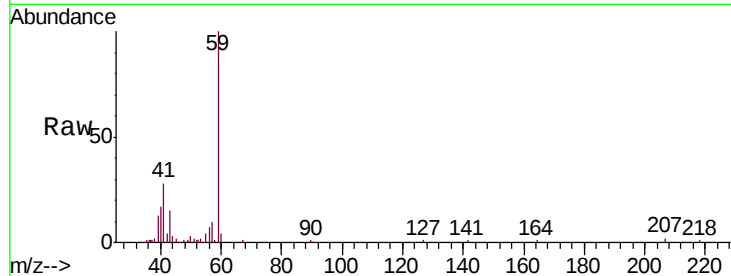
Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 43720

Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.6



#12

1,1-Dichloroethene

Concen: 45.881 ug/l

RT: 4.04 min Scan# 350

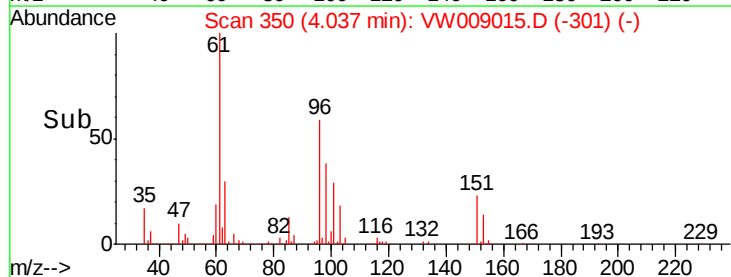
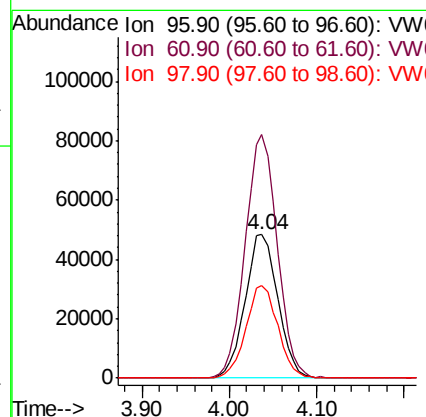
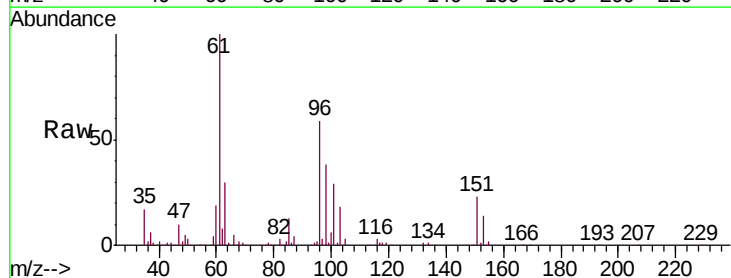
Delta R.T. 0.00 min

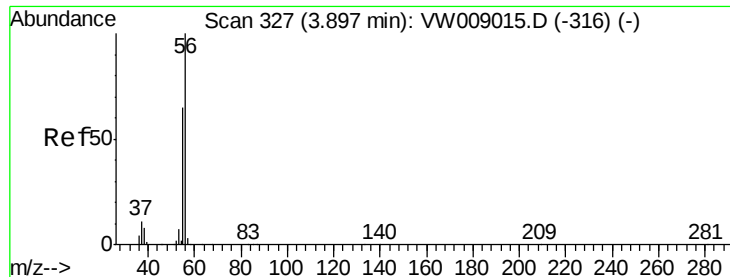
Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Tgt Ion: 96 Resp: 126305

Ion	Ratio	Lower	Upper
96	100		
61	169.7	135.8	203.6
98	64.5	51.6	77.4

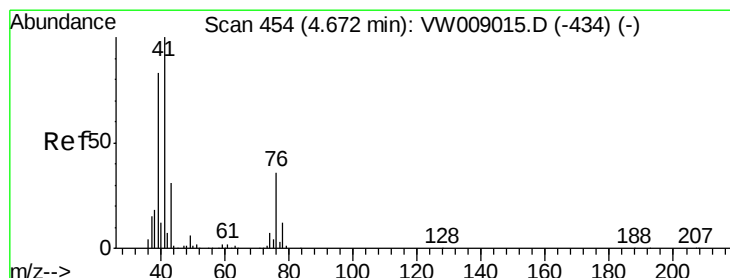
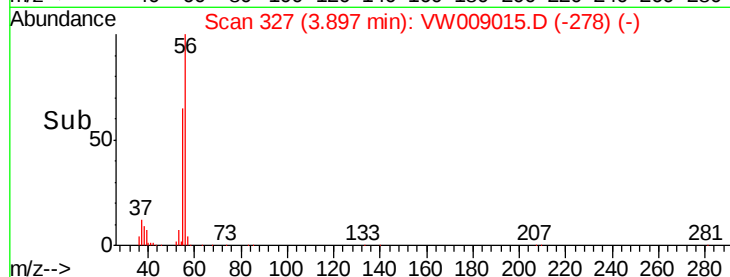
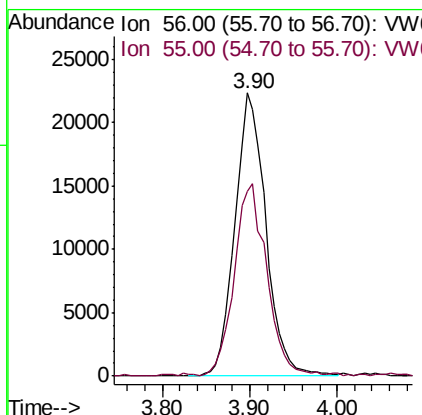
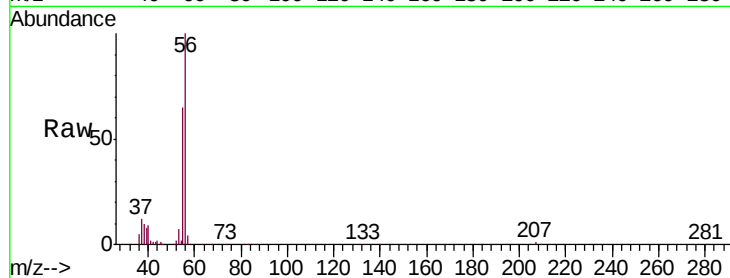




#13
Acrolein
Concen: 212.505 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

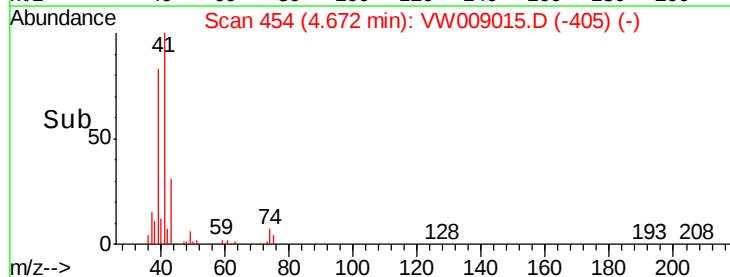
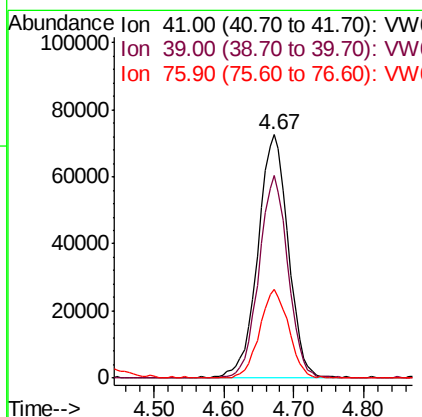
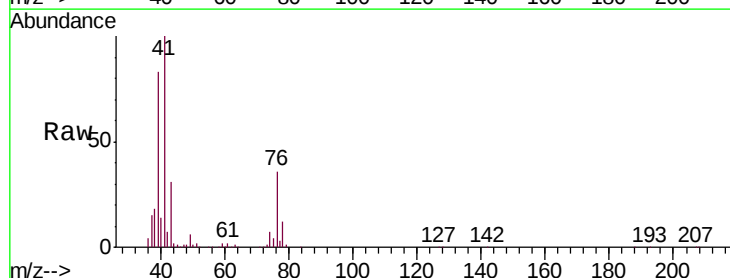
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

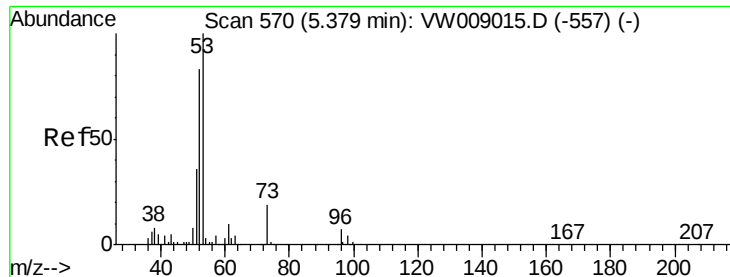
Tgt Ion: 56 Resp: 55104
Ion Ratio Lower Upper
56 100
55 71.4 57.1 85.7



#14
Allyl chloride
Concen: 46.136 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion: 41 Resp: 219579
Ion Ratio Lower Upper
41 100
39 79.5 63.6 95.4
76 34.9 27.9 41.9





#15

Acrylonitrile

Concen: 224.636 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

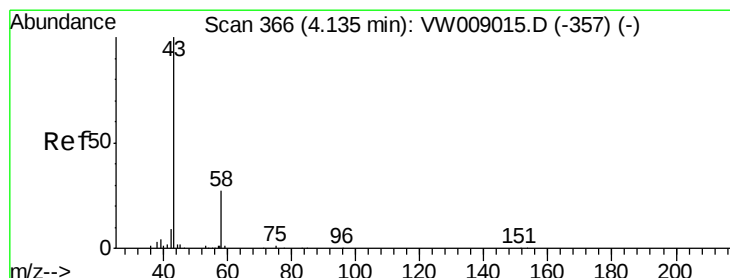
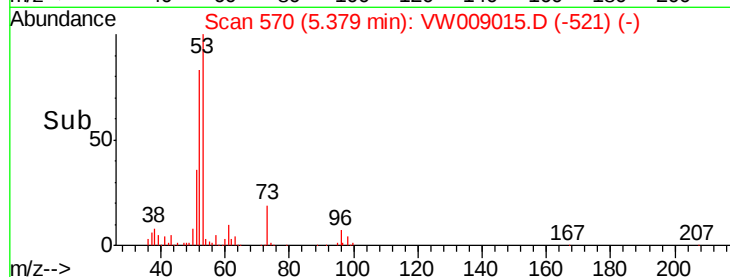
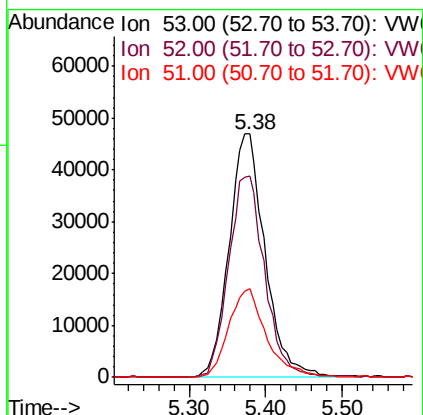
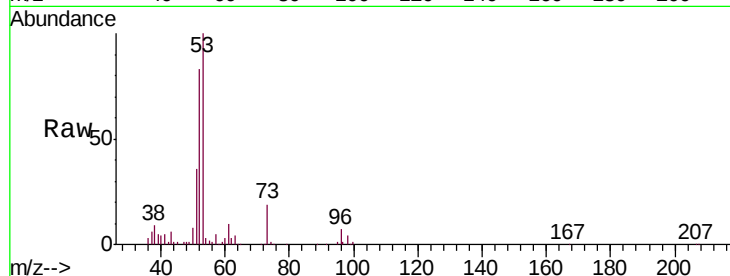
Tgt Ion: 53 Resp: 152839

Ion Ratio Lower Upper

53 100

52 83.3 66.6 100.0

51 38.2 30.6 45.8



#16

Acetone

Concen: 229.880 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW009015.D

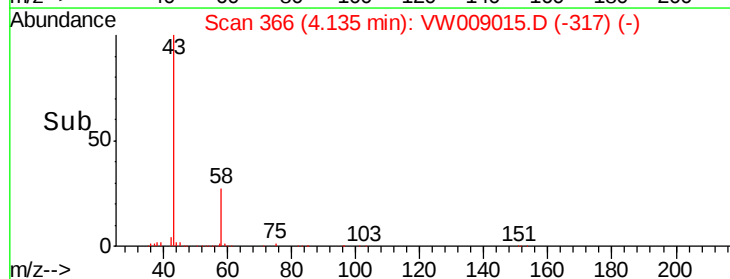
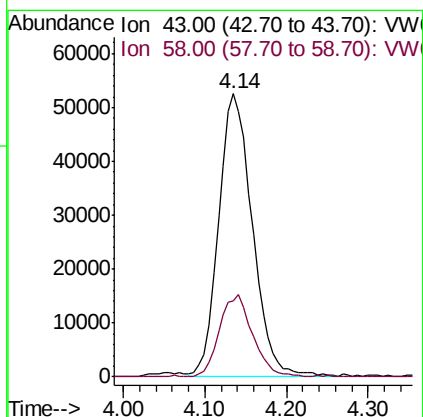
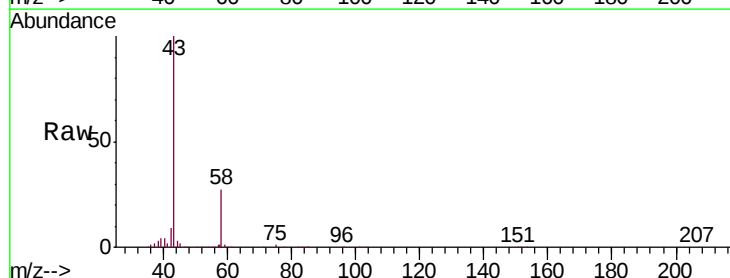
Acq: 06 Mar 2019 12:08

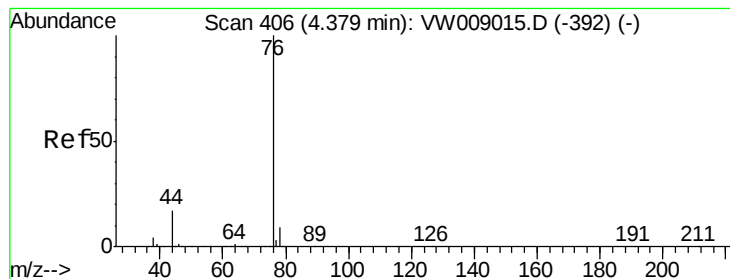
Tgt Ion: 43 Resp: 149230

Ion Ratio Lower Upper

43 100

58 27.0 21.6 32.4





#17

Carbon Disulfide

Concen: 48.146 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

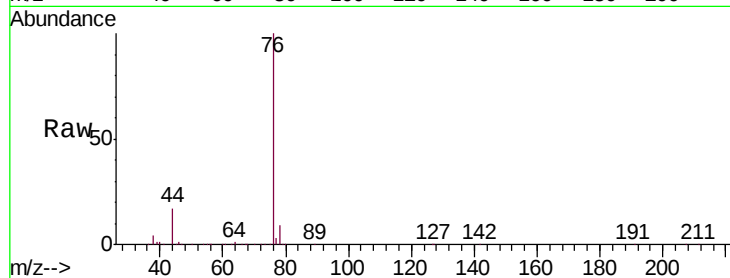
VSTDICCC050

Tgt Ion: 76 Resp: 444189

Ion Ratio Lower Upper

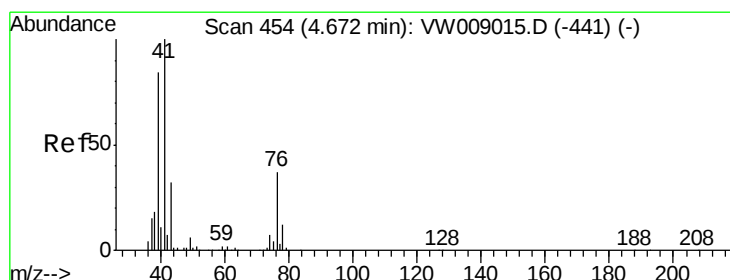
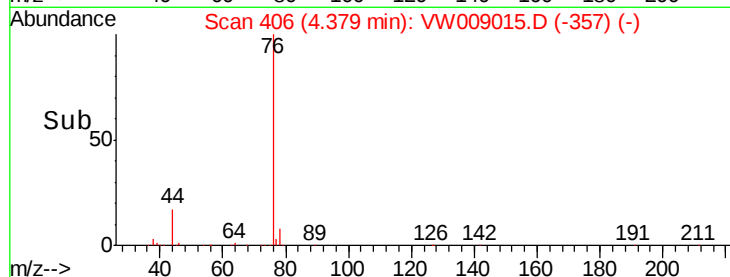
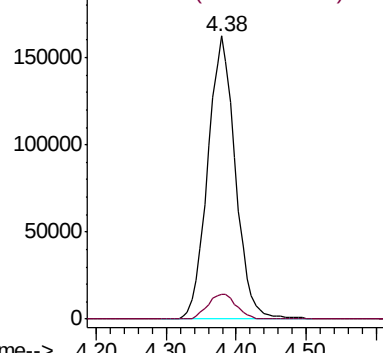
76 100

78 8.6 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 45.181 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009015.D

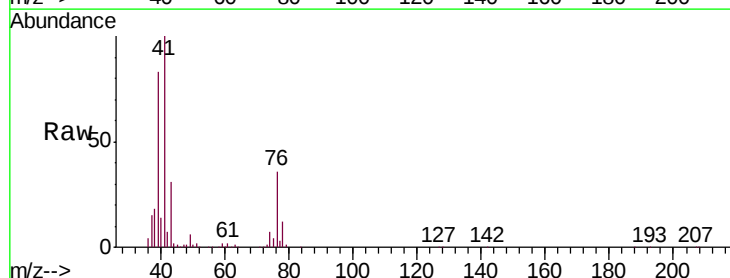
Acq: 06 Mar 2019 12:08

Tgt Ion: 43 Resp: 66899

Ion Ratio Lower Upper

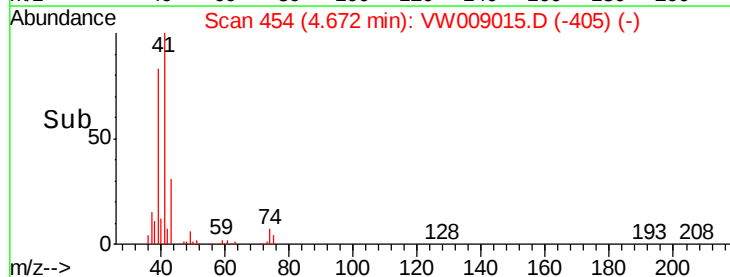
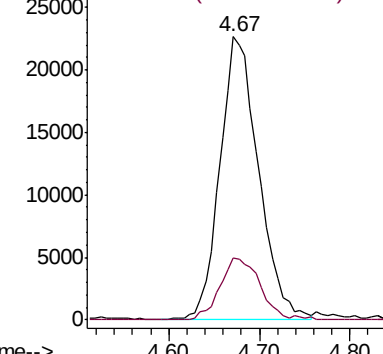
43 100

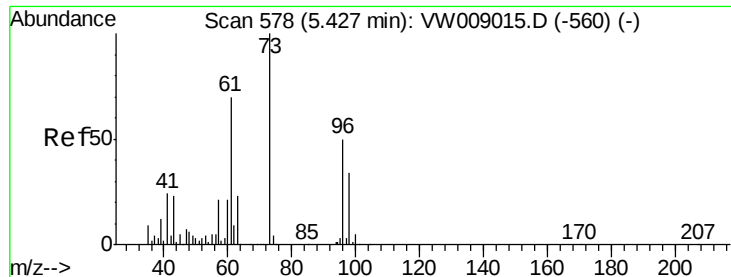
74 22.1 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

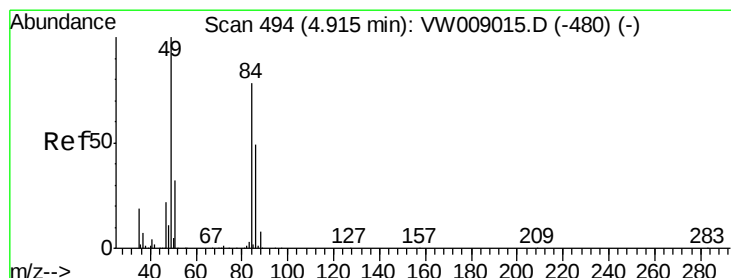
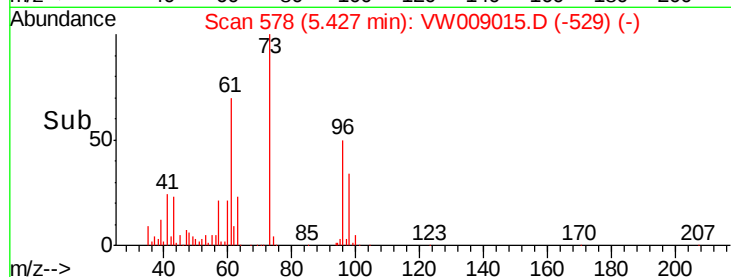
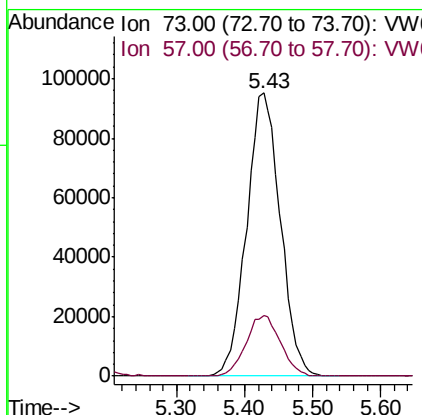
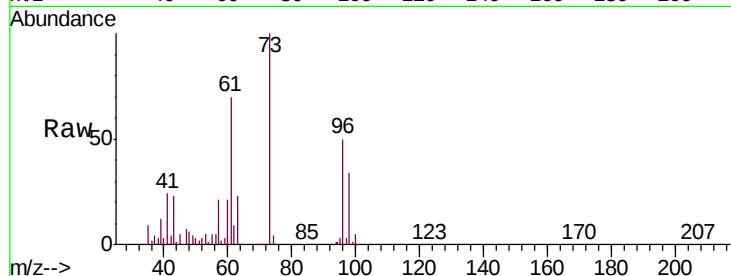




#19
Methyl tert-butyl Ether
Concen: 45.942 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

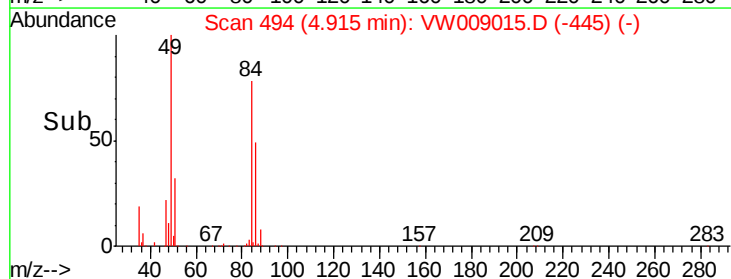
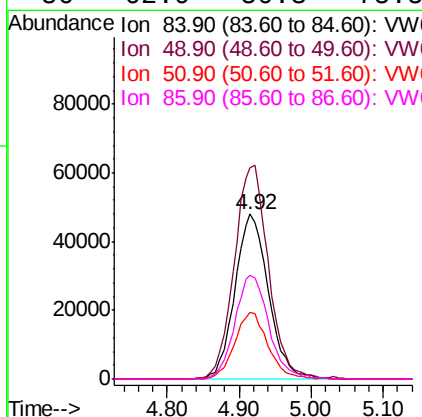
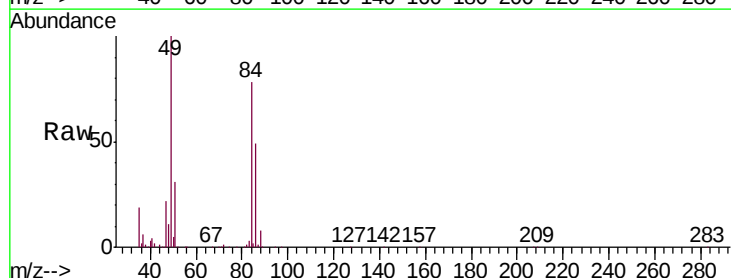
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

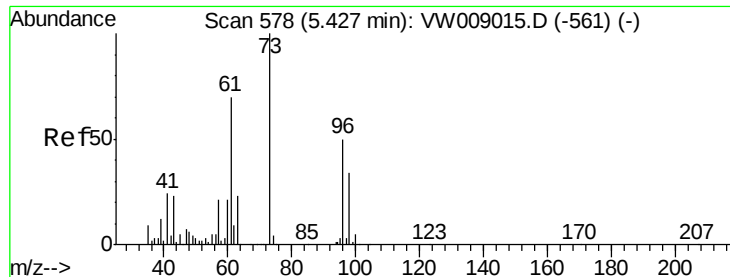
Tgt Ion: 73 Resp: 327400
Ion Ratio Lower Upper
73 100
57 21.3 17.0 25.6



#20
Methylene Chloride
Concen: 40.808 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion: 84 Resp: 155093
Ion Ratio Lower Upper
84 100
49 128.5 102.8 154.2
51 40.5 32.4 48.6
86 62.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 45.477 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

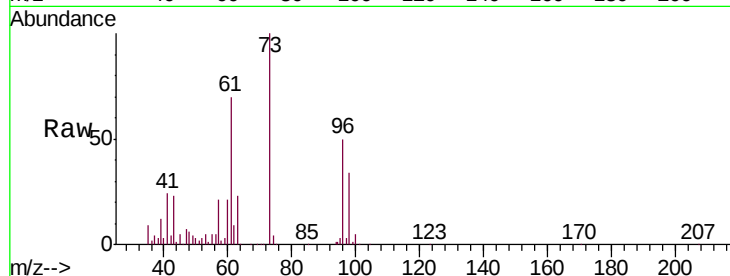
Tgt Ion: 96 Resp: 143204

Ion Ratio Lower Upper

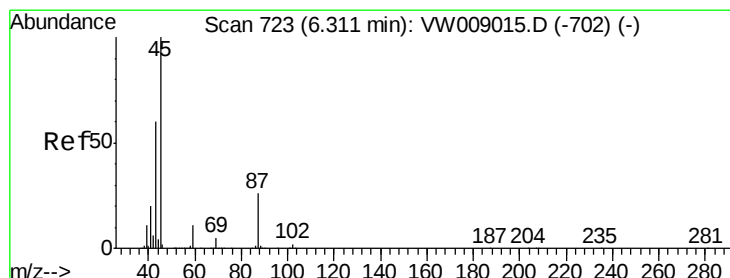
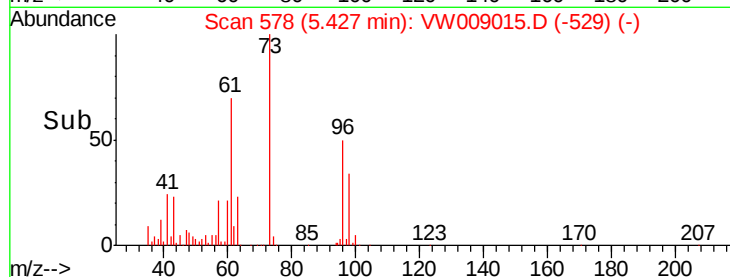
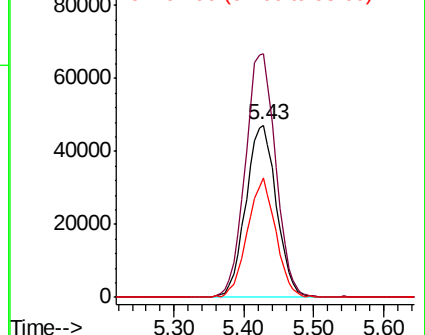
96 100

61 141.5 113.2 169.8

98 69.6 55.7 83.5



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



#22

Diisopropyl ether

Concen: 46.768 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Tgt Ion: 45 Resp: 444473

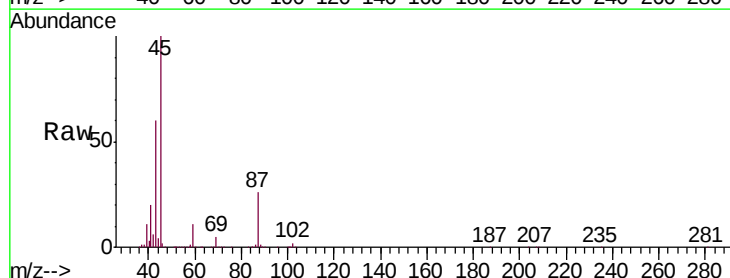
Ion Ratio Lower Upper

45 100

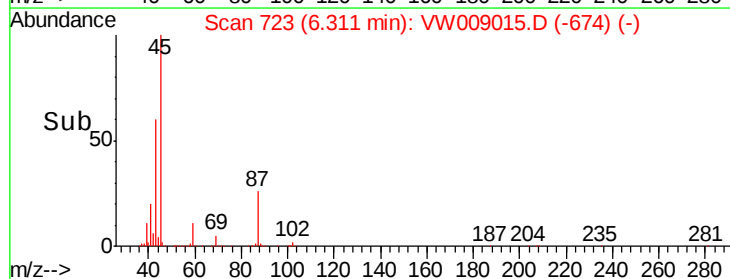
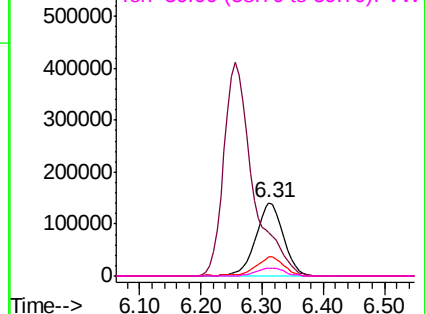
43 60.1 48.1 72.1

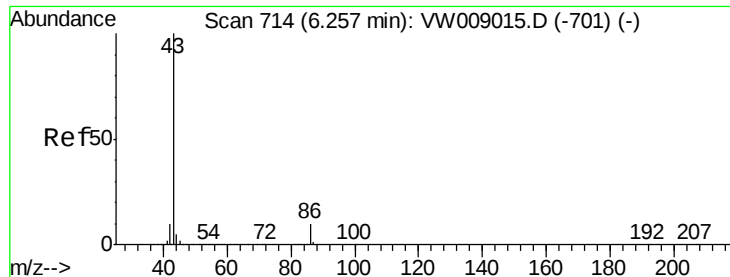
87 26.1 20.9 31.3

59 11.2 9.0 13.4



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





#23

Vinyl Acetate

Concen: 229.113 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

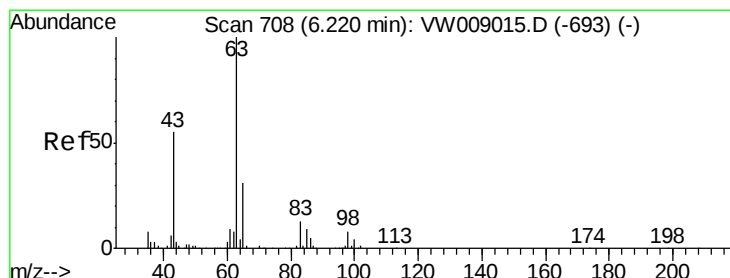
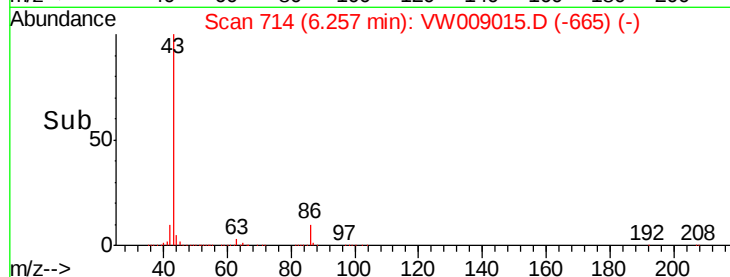
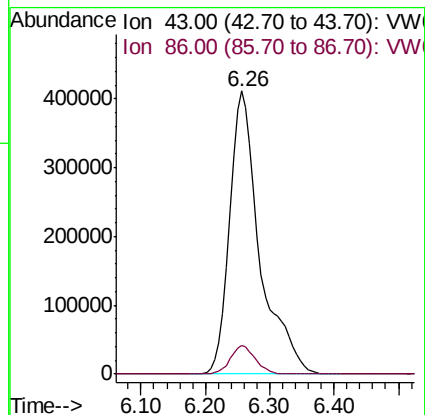
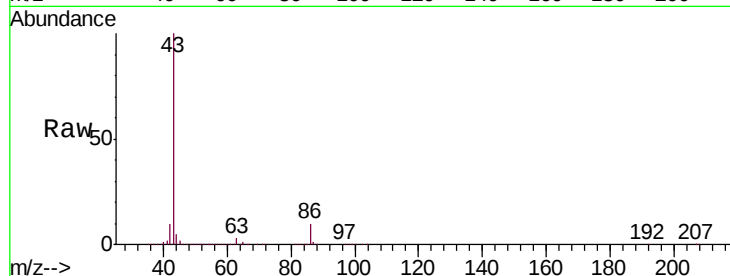
VSTDICCC050

Tgt Ion: 43 Resp: 1356158

Ion Ratio Lower Upper

43 100

86 10.0 8.0 12.0



#24

1,1-Dichloroethane

Concen: 45.825 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

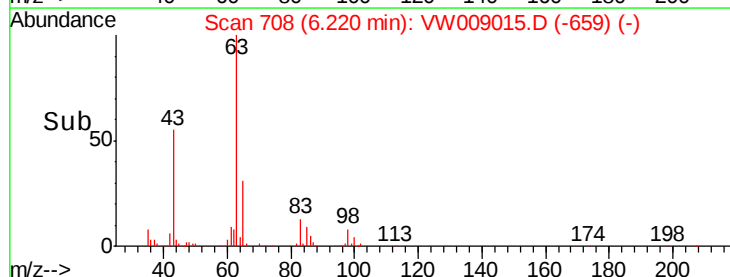
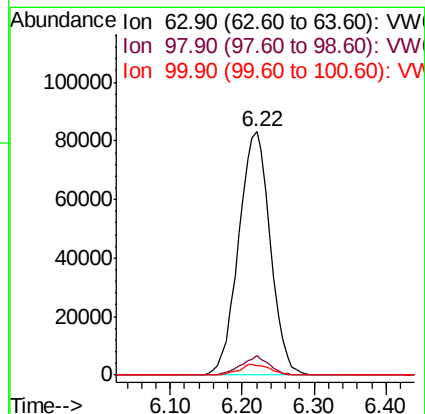
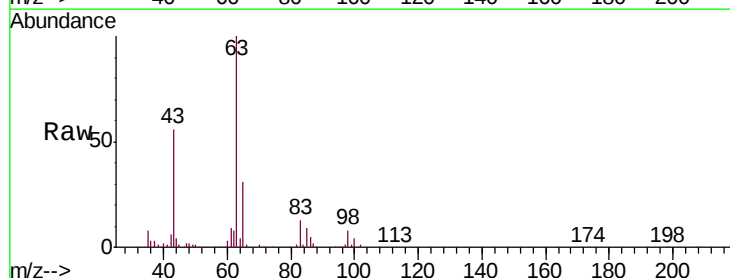
Tgt Ion: 63 Resp: 253228

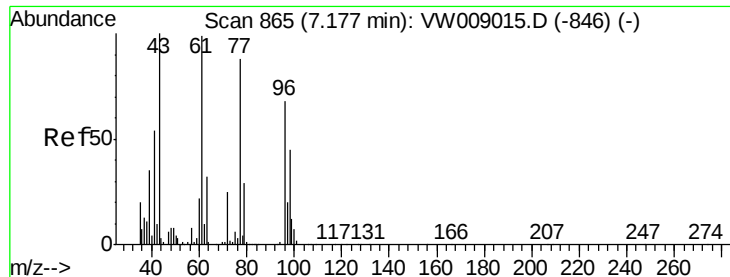
Ion Ratio Lower Upper

63 100

98 8.1 4.0 12.2

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 222.195 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

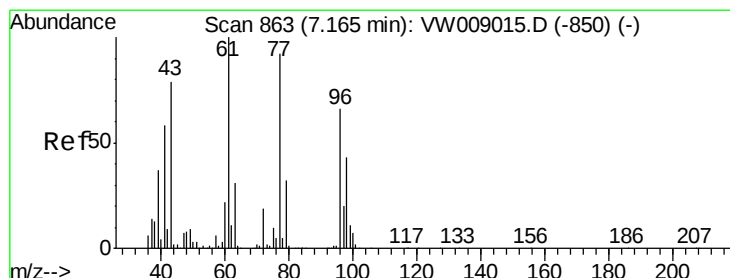
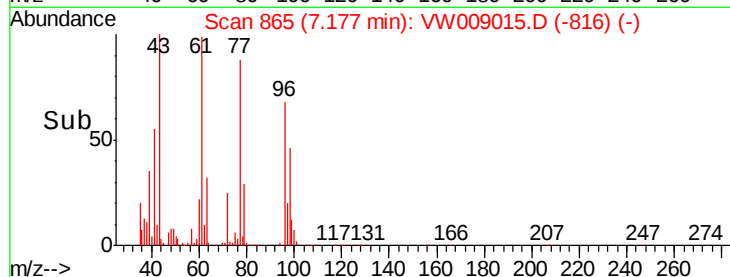
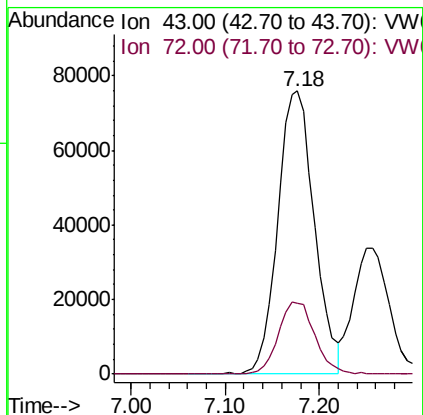
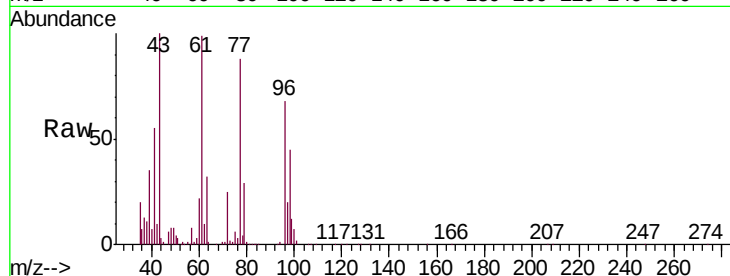
VSTDICCC050

Tgt Ion: 43 Resp: 205303

Ion Ratio Lower Upper

43 100

72 25.2 20.2 30.2



#26

2,2-Dichloropropane

Concen: 45.236 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009015.D

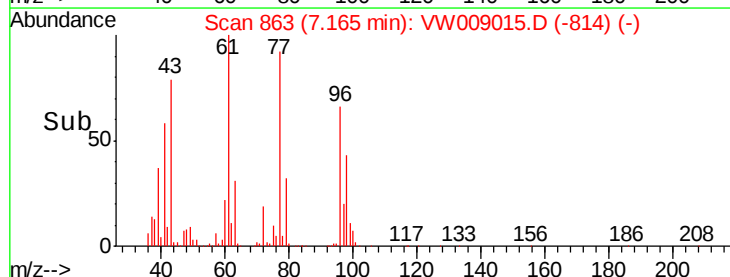
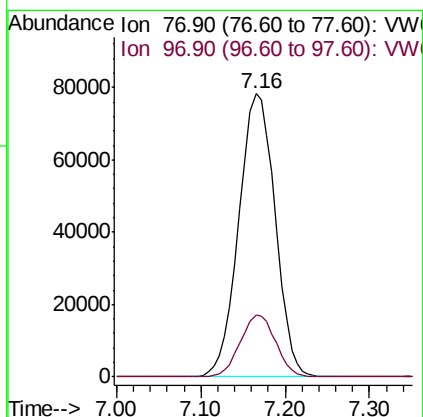
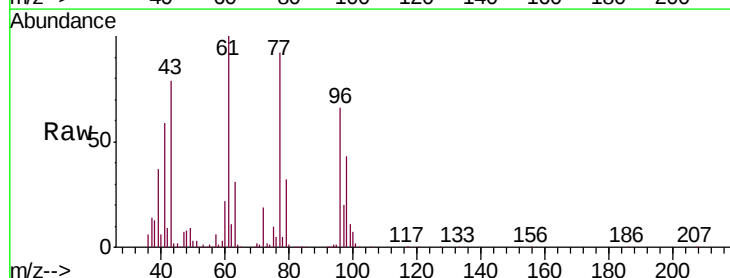
Acq: 06 Mar 2019 12:08

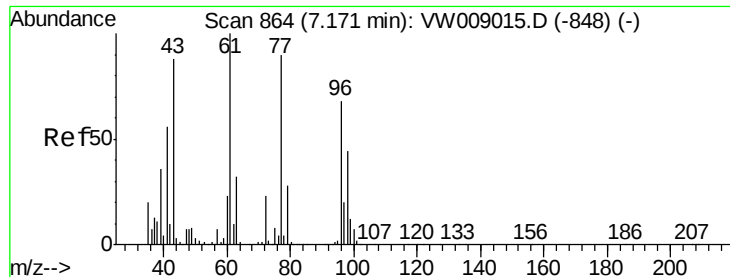
Tgt Ion: 77 Resp: 228660

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1



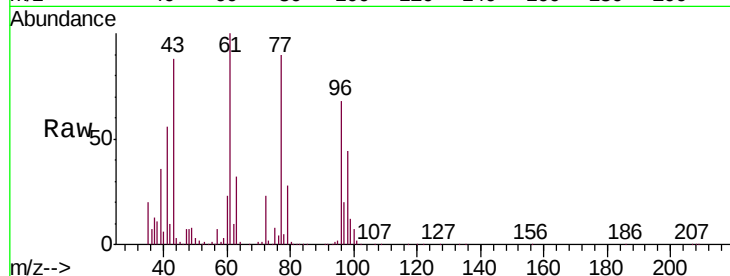


#27

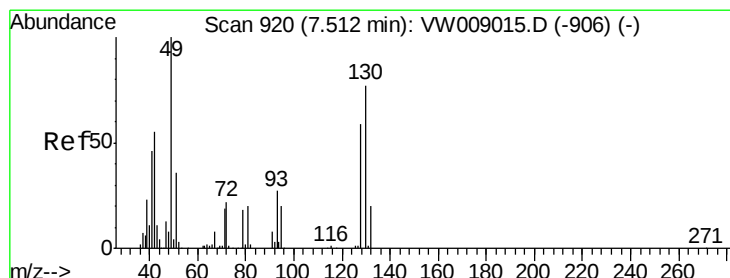
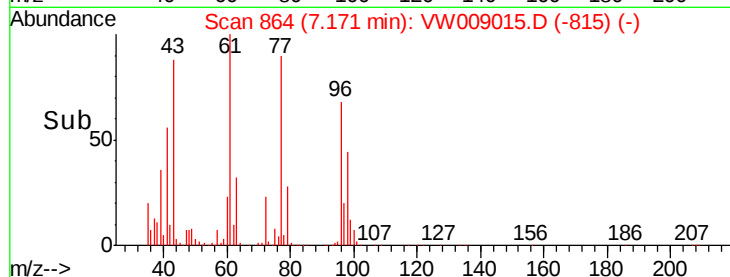
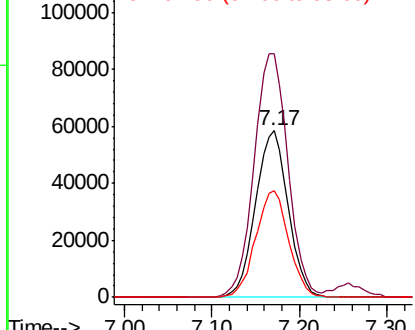
cis-1,2-Dichloroethene
Concen: 45.973 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	303.6
98	64.5	0.0	129.0



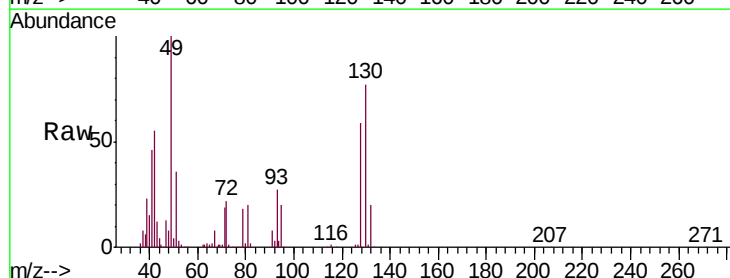
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



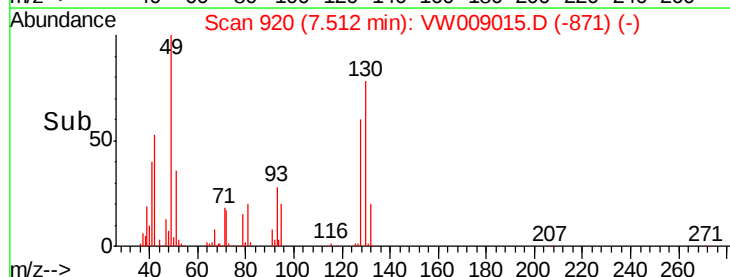
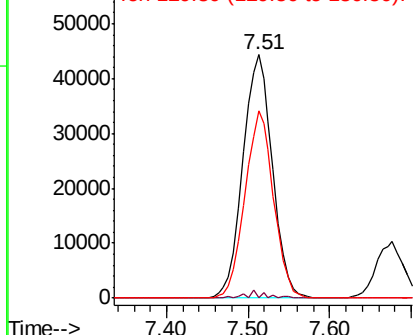
#28

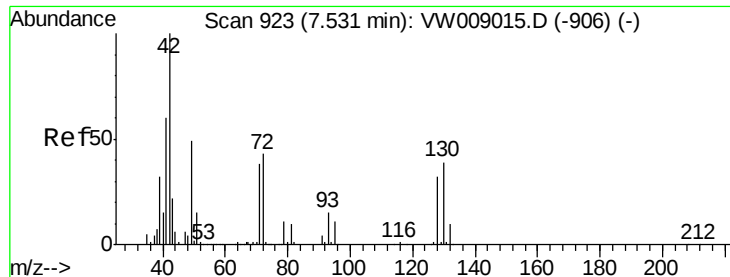
Bromochloromethane
Concen: 46.446 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	74.9	59.9	89.9



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

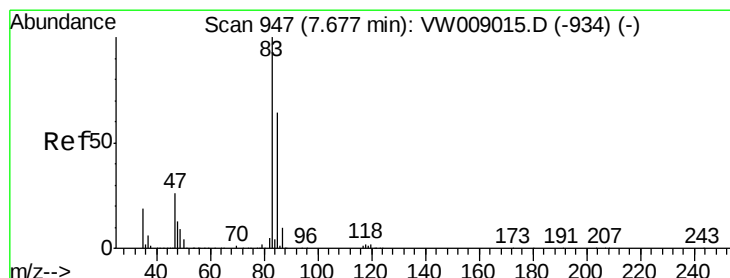
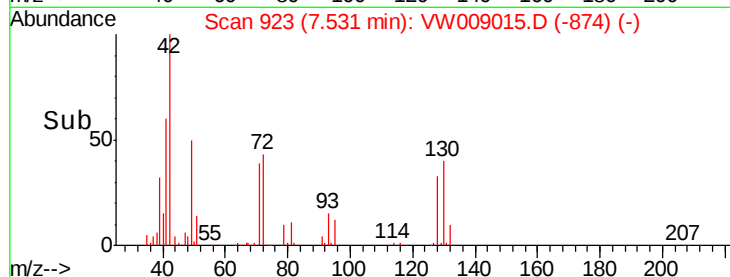
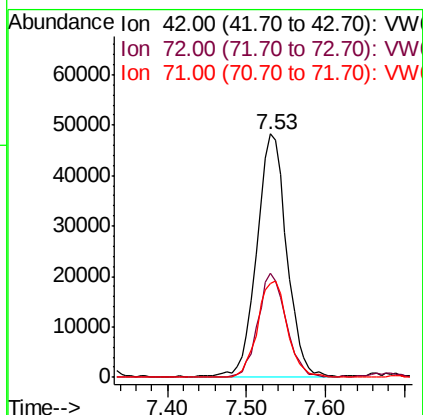
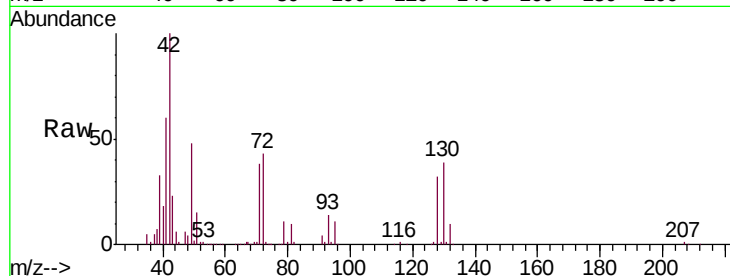




#29
Tetrahydrofuran
Concen: 218.215 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

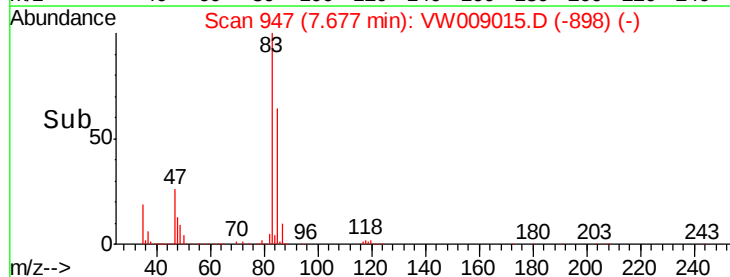
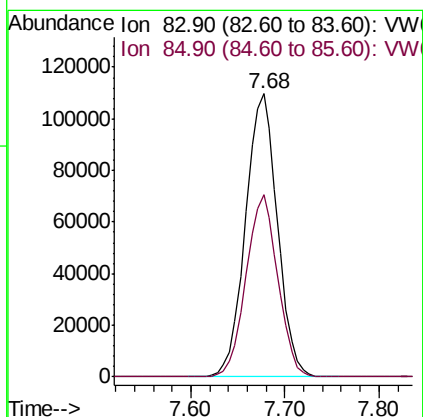
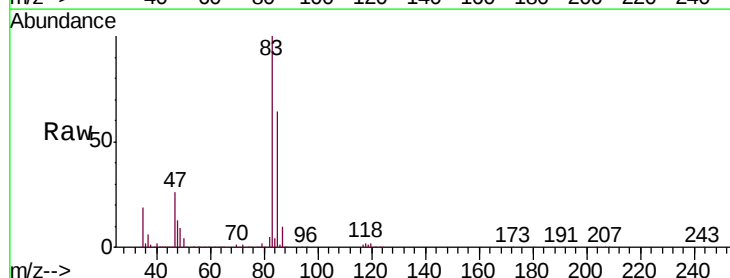
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

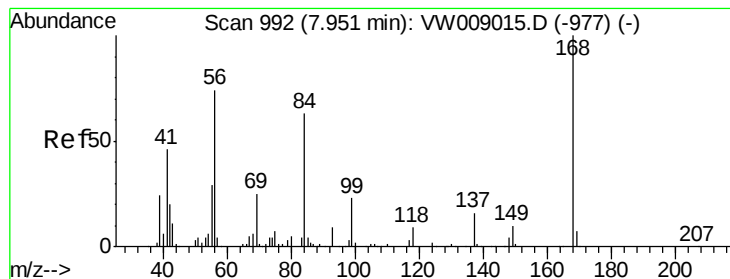
Tgt Ion: 42 Resp: 126669
Ion Ratio Lower Upper
42 100
72 40.6 32.5 48.7
71 39.5 31.6 47.4



#30
Chloroform
Concen: 46.044 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion: 83 Resp: 260504
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.0





#31

Cyclohexane

Concen: 44.726 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

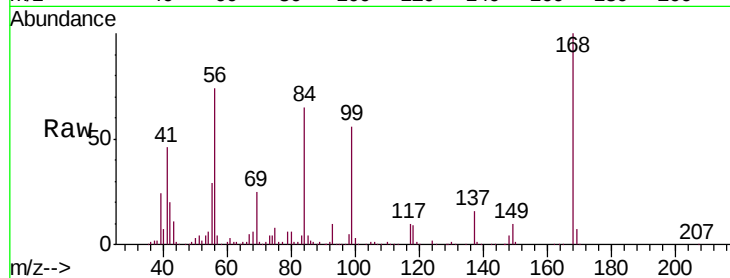
Tgt Ion: 56 Resp: 254164

Ion Ratio Lower Upper

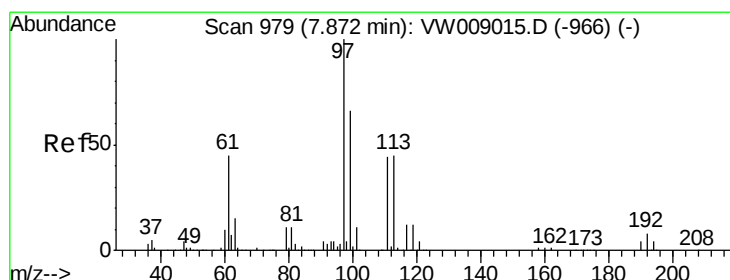
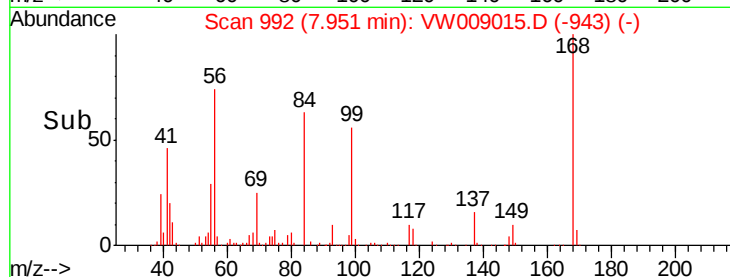
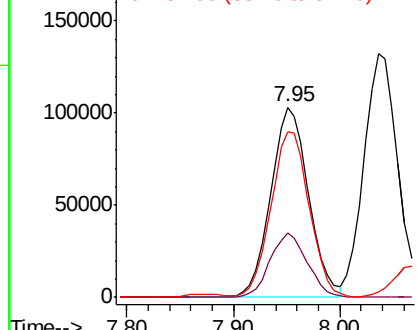
56 100

69 33.7 27.0 40.4

84 85.4 68.3 102.5



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: 45.924 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

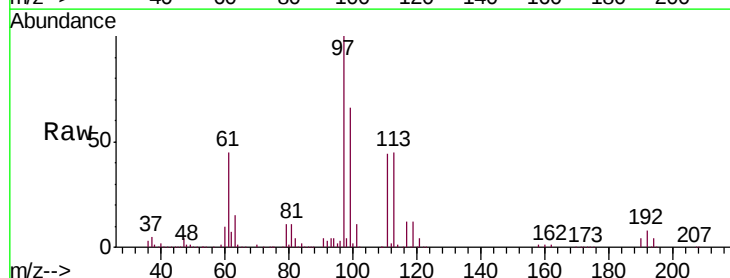
Tgt Ion: 97 Resp: 238651

Ion Ratio Lower Upper

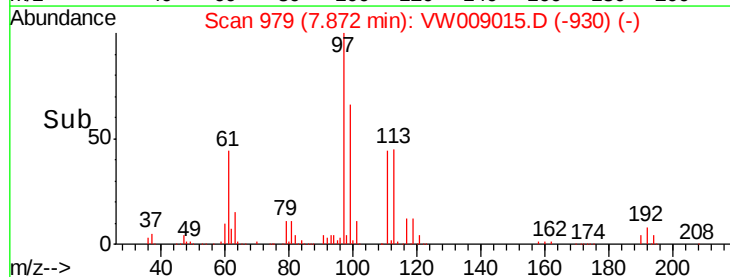
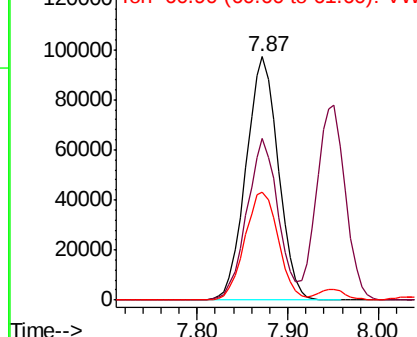
97 100

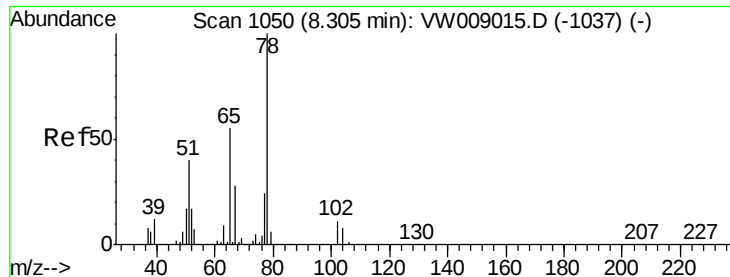
99 64.2 51.4 77.0

61 46.7 37.4 56.0



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

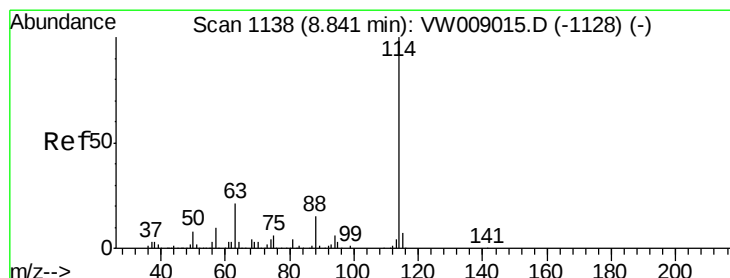
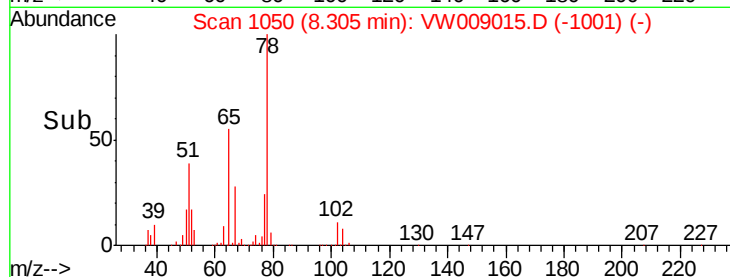
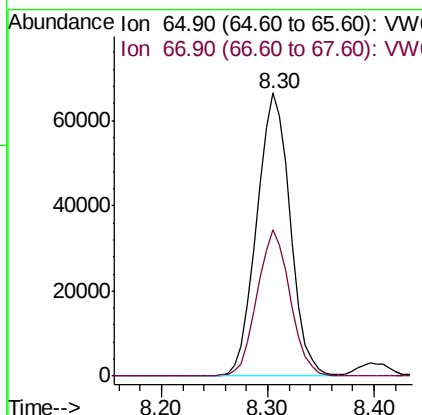
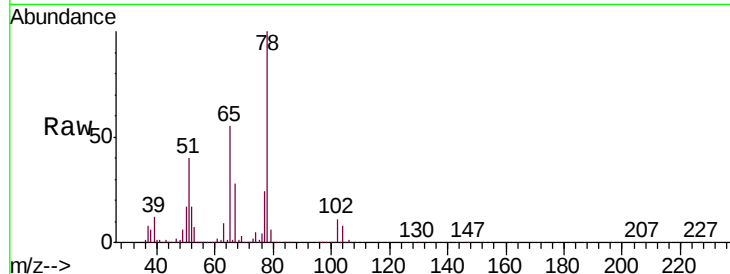




#33
 1,2-Dichloroethane-d4
 Concen: 46.303 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

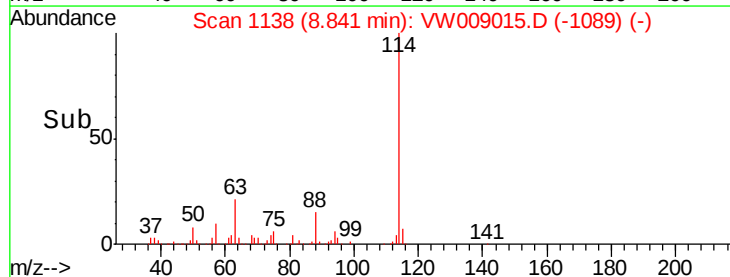
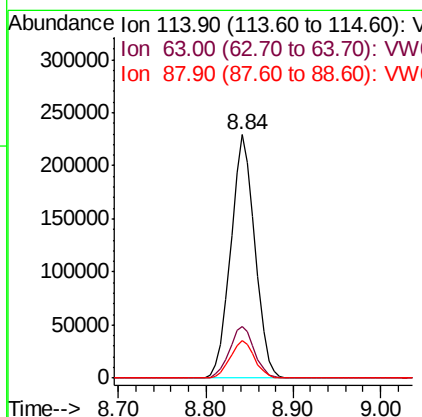
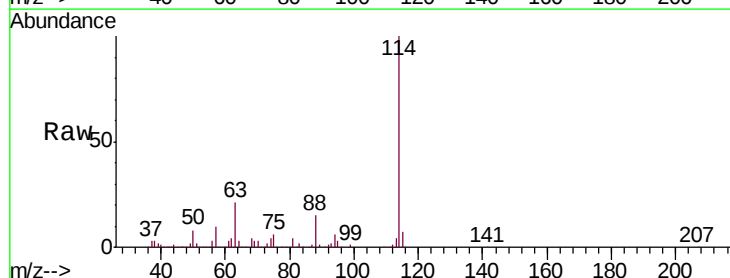
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

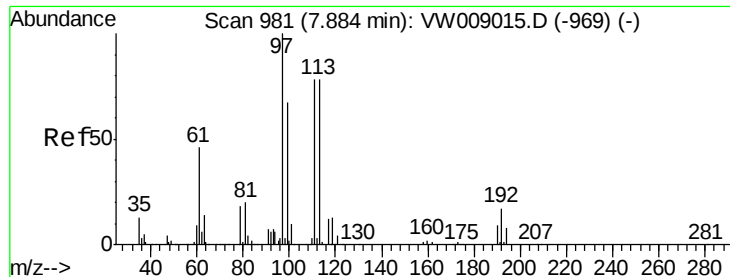
Tgt Ion: 65 Resp: 146424
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

Tgt Ion: 114 Resp: 439663
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 15.4 0.0 30.8

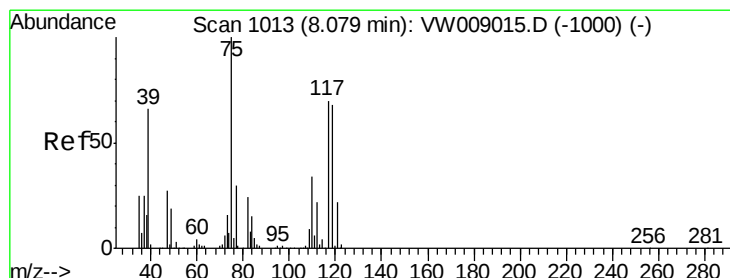
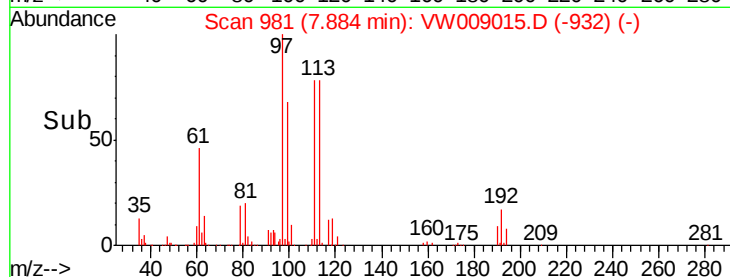
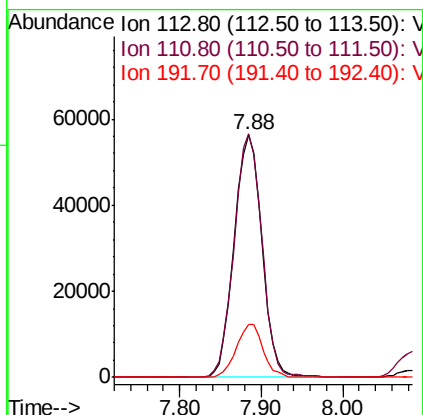
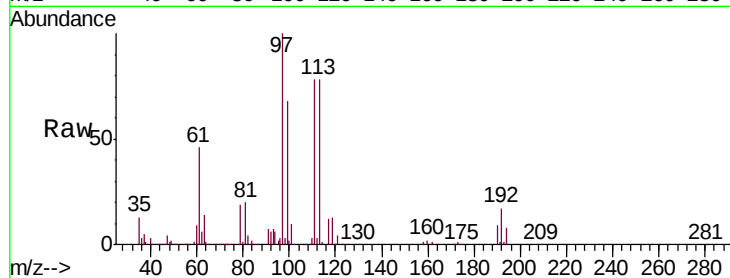




#35
Dibromofluoromethane
Concen: 49.911 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

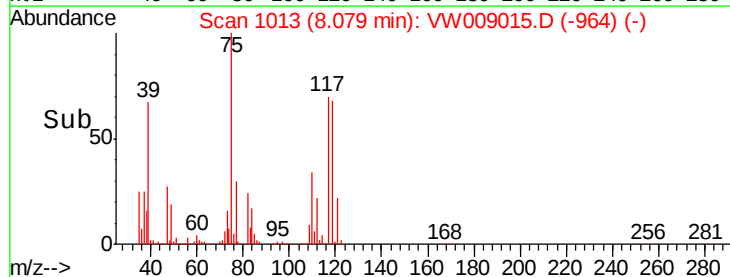
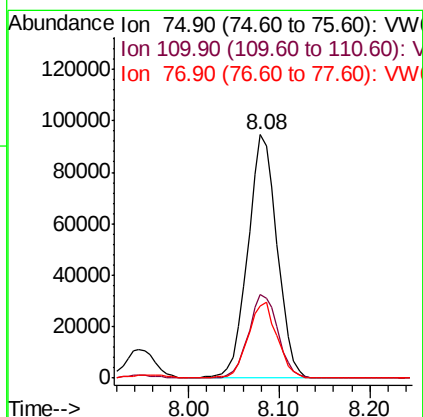
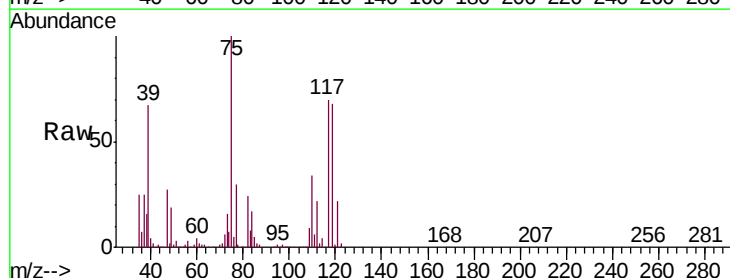
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

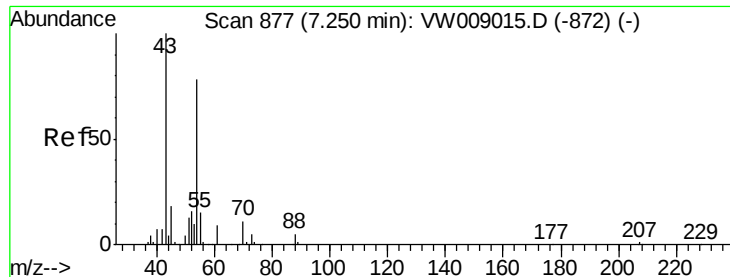
Tgt Ion: 113 Resp: 132101
Ion Ratio Lower Upper
113 100
111 100.6 80.5 120.7
192 20.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 48.179 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion: 75 Resp: 210625
Ion Ratio Lower Upper
75 100
110 34.6 17.3 51.9
77 31.0 24.8 37.2

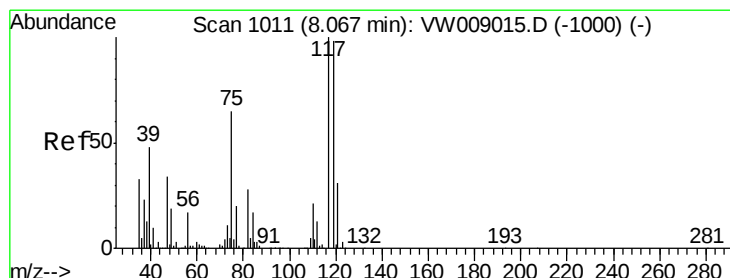
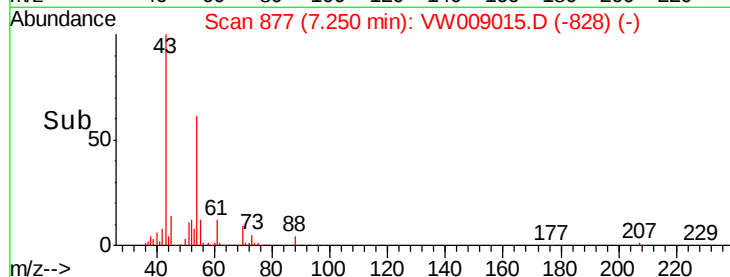
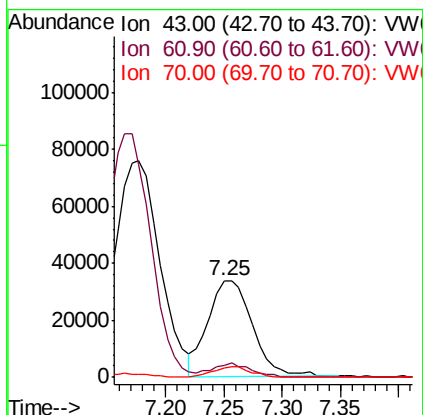
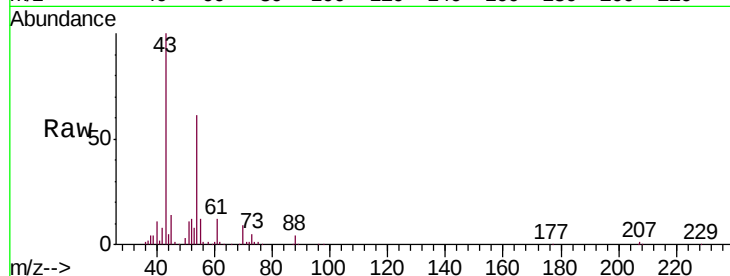




#37
 Ethyl Acetate
 Concen: 45.994 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

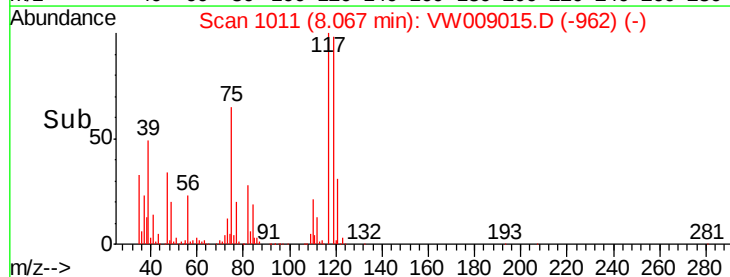
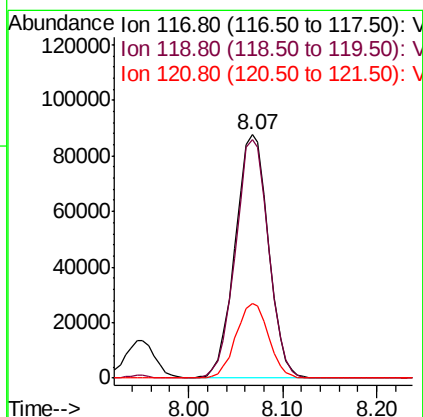
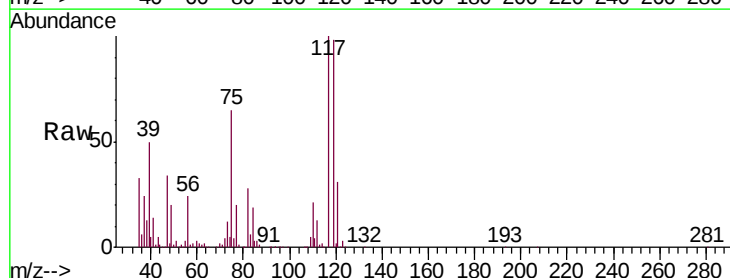
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

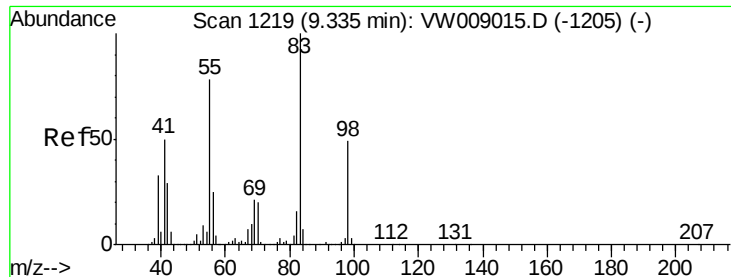
Tgt Ion: 43 Resp: 88937
 Ion Ratio Lower Upper
 43 100
 61 13.2 10.6 15.8
 70 9.8 7.8 11.8



#38
 Carbon Tetrachloride
 Concen: 47.817 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

Tgt Ion: 117 Resp: 216327
 Ion Ratio Lower Upper
 117 100
 119 98.0 78.4 117.6
 121 30.9 24.7 37.1

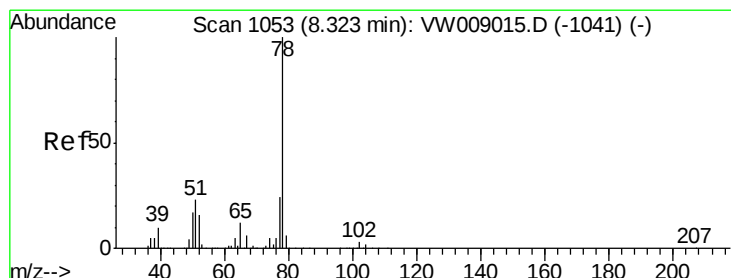
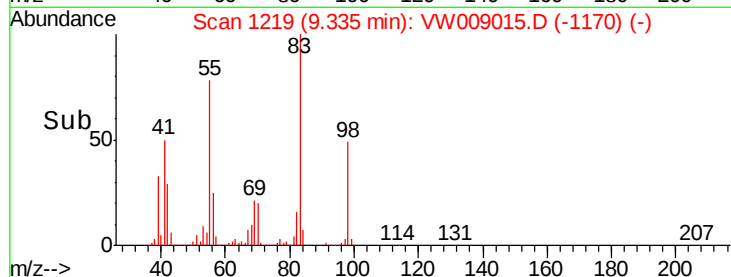
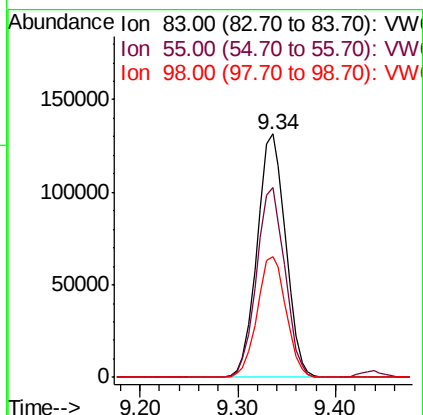
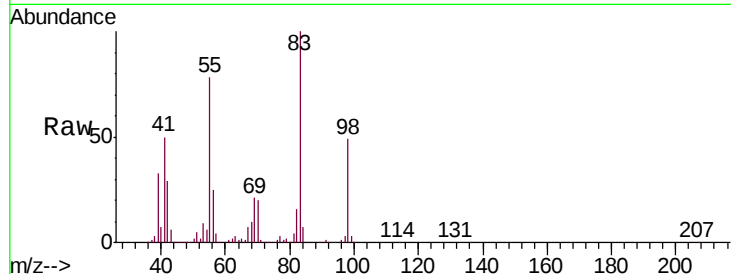




#39
Methylcyclohexane
Concen: 50.422 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

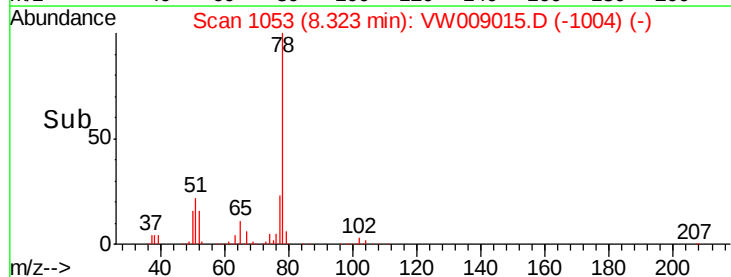
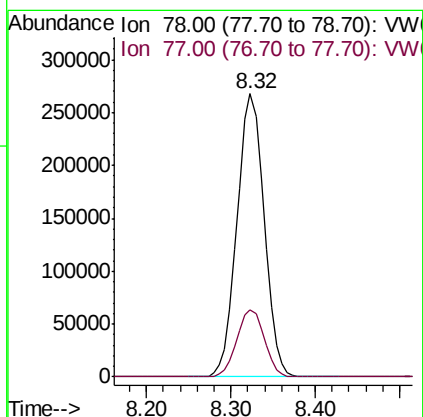
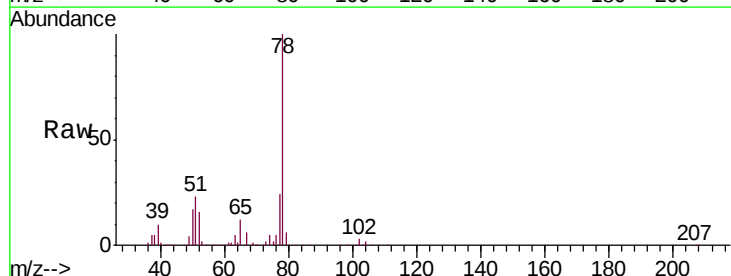
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

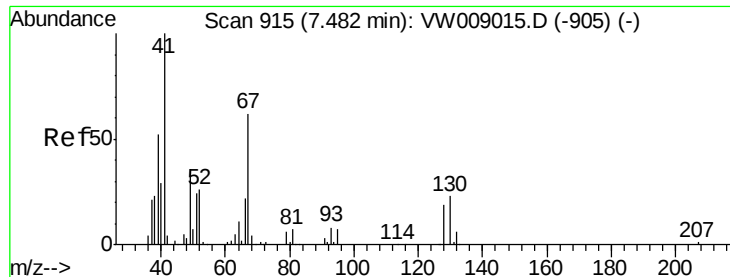
Tgt Ion: 83 Resp: 266288
Ion Ratio Lower Upper
83 100
55 78.2 62.6 93.8
98 49.3 39.4 59.2



#40
Benzene
Concen: 49.301 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion: 78 Resp: 581337
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

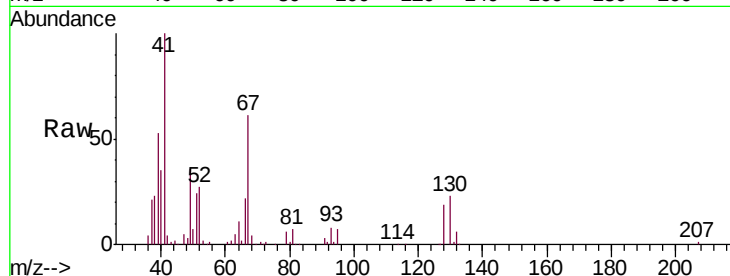




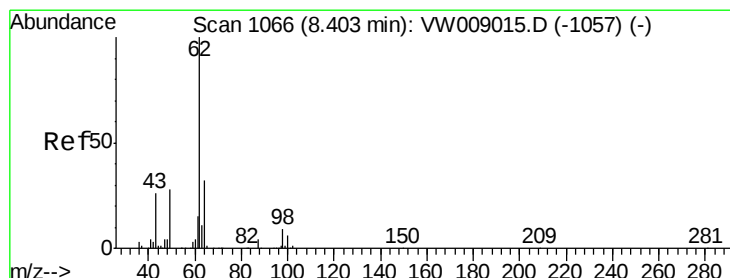
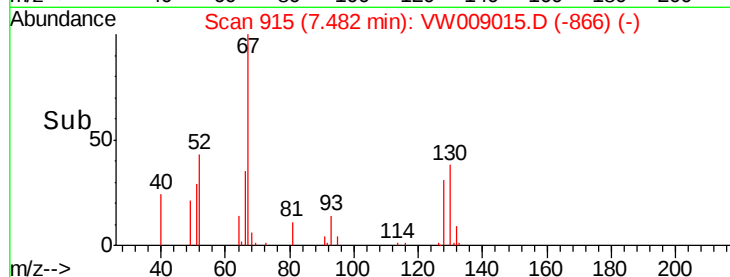
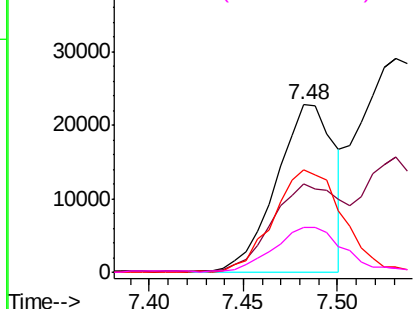
#41
Methacrylonitrile
Concen: 42.492 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	48737
Ion	Ratio	Lower	Upper
41	100		
39	63.2	50.6	75.8
67	73.8	59.0	88.6
52	33.2	26.6	39.8

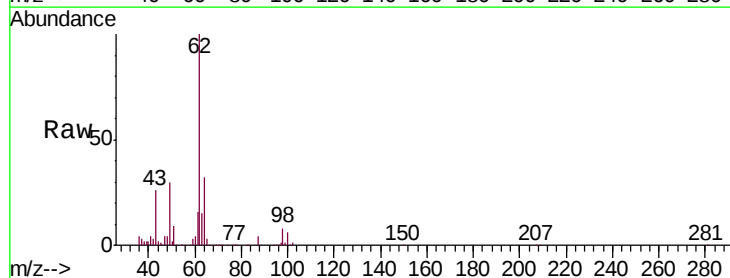


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

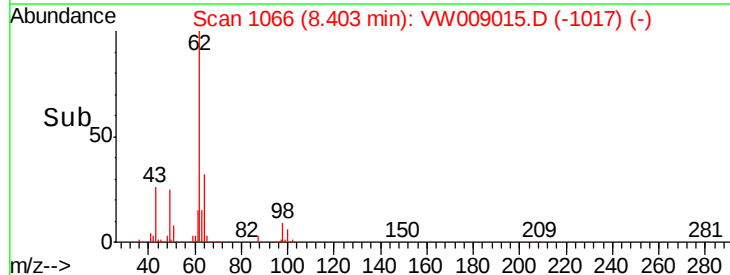
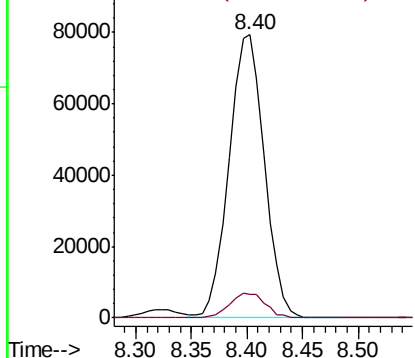


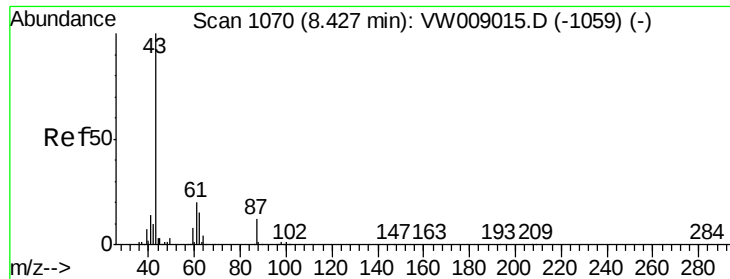
#42
1,2-Dichloroethane
Concen: 45.890 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion:	62	Resp:	173676
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



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

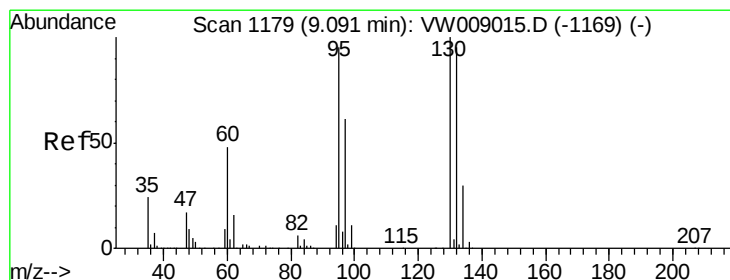
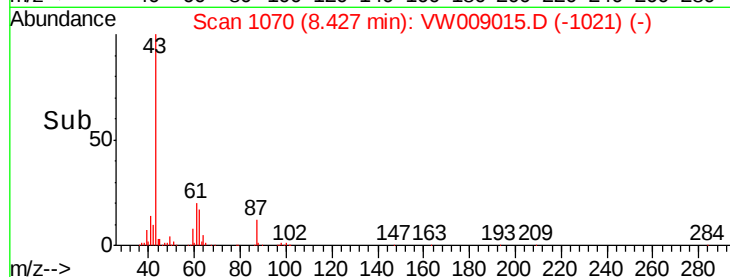
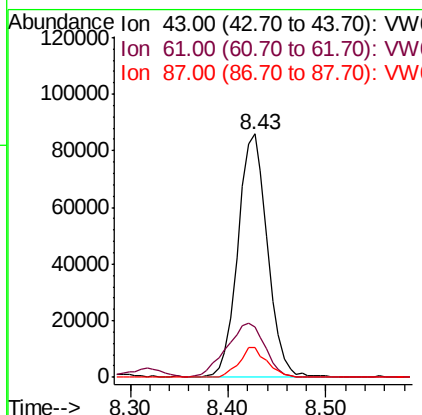
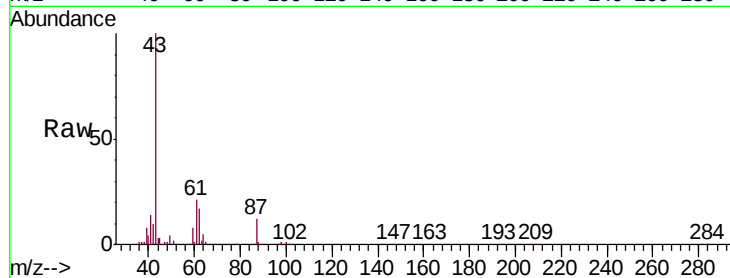




#43
Isopropyl Acetate
Concen: 47.095 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

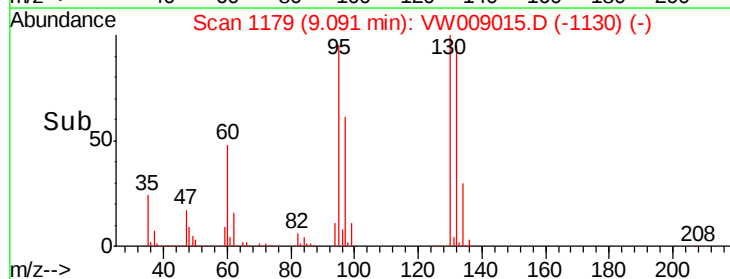
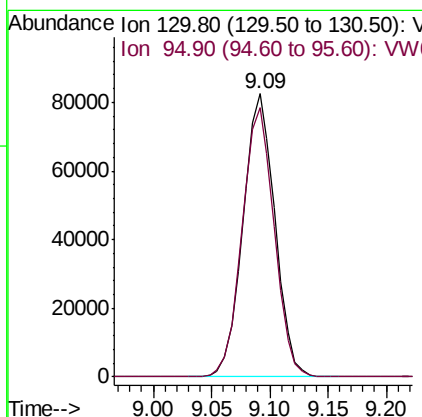
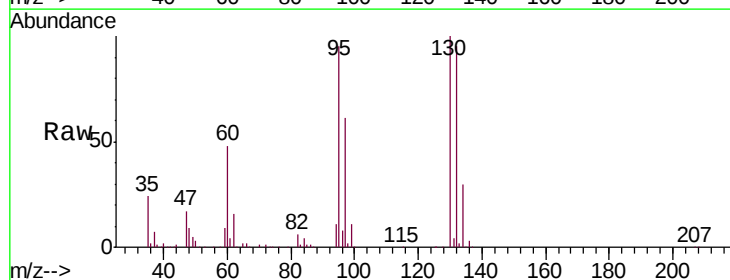
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

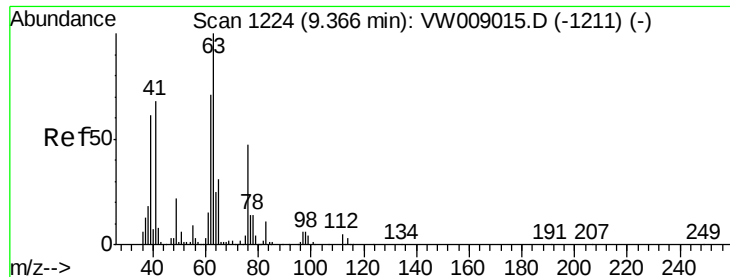
Tgt Ion: 43 Resp: 179018
Ion Ratio Lower Upper
43 100
61 29.4 23.5 35.3
87 11.8 9.4 14.2



#44
Trichloroethene
Concen: 47.975 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion: 130 Resp: 157738
Ion Ratio Lower Upper
130 100
95 95.0 0.0 190.0





#45

1,2-Dichloropropane

Concen: 47.754 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

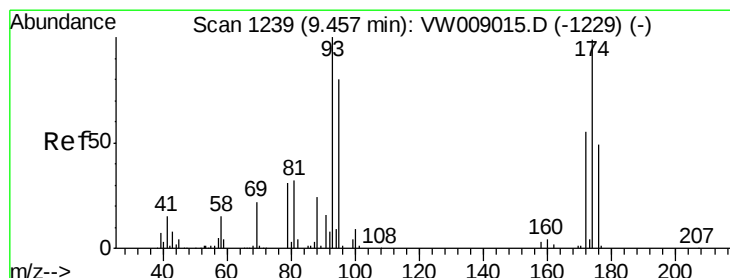
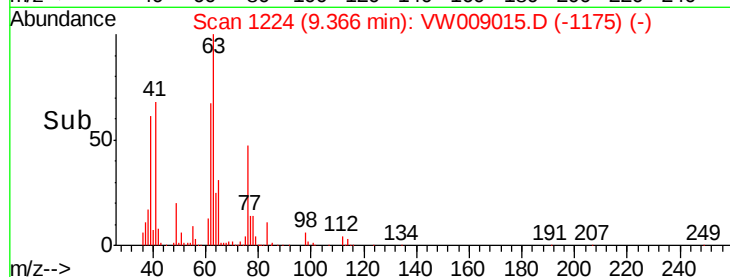
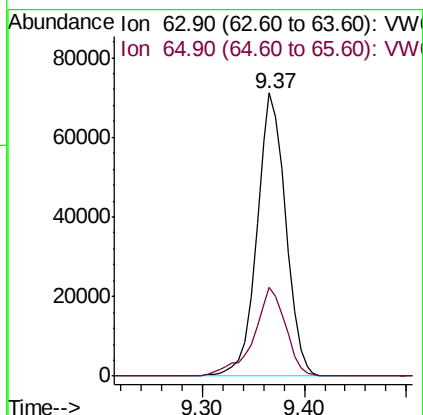
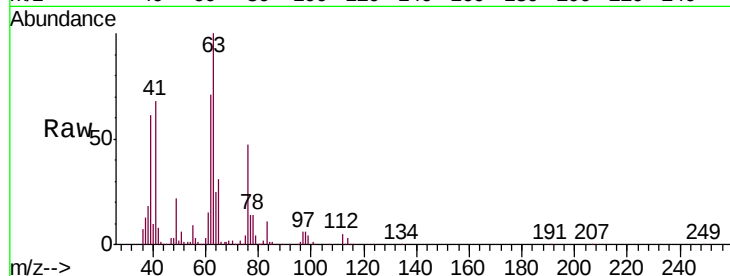
VSTDICCC050

Tgt Ion: 63 Resp: 139596

Ion Ratio Lower Upper

63 100

65 31.2 25.0 37.4



#46

Dibromomethane

Concen: 47.077 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

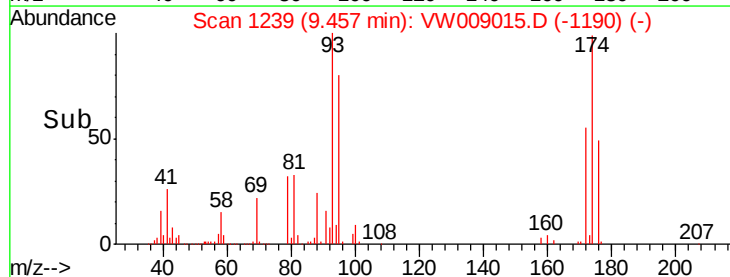
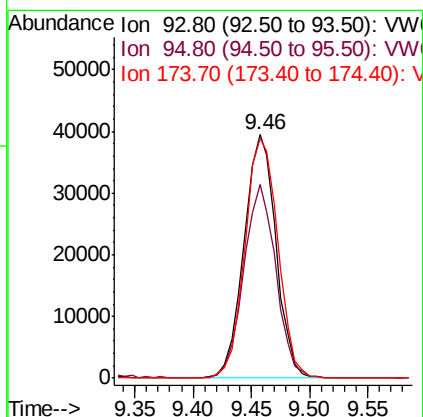
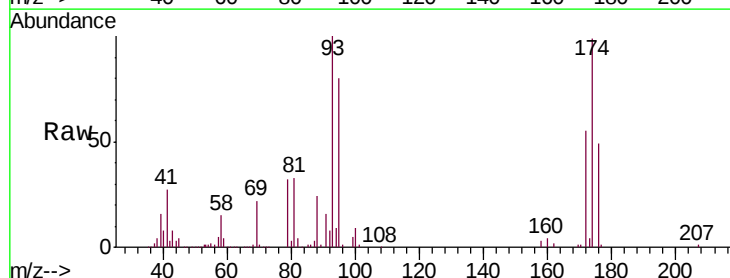
Tgt Ion: 93 Resp: 75921

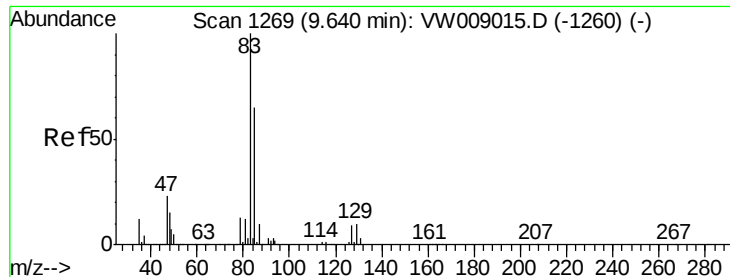
Ion Ratio Lower Upper

93 100

95 80.1 64.1 96.1

174 101.6 81.3 121.9

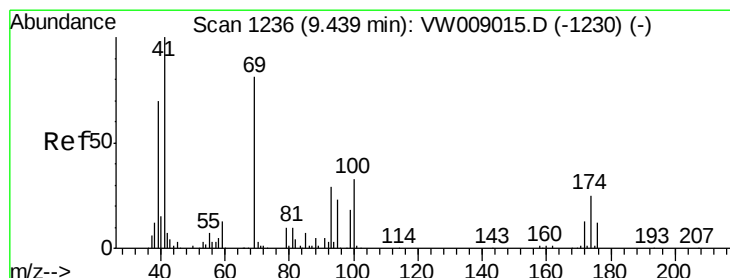
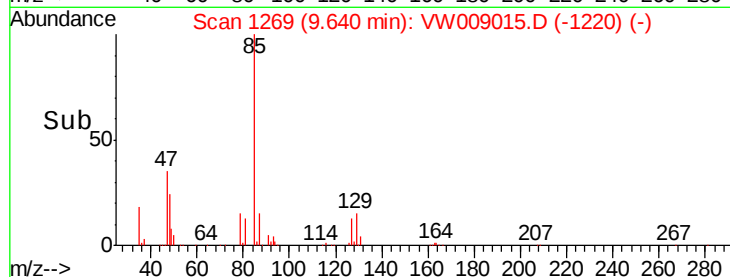
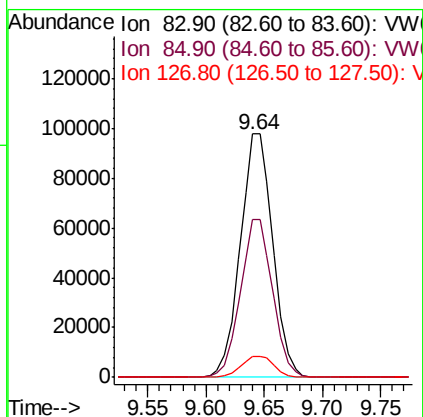
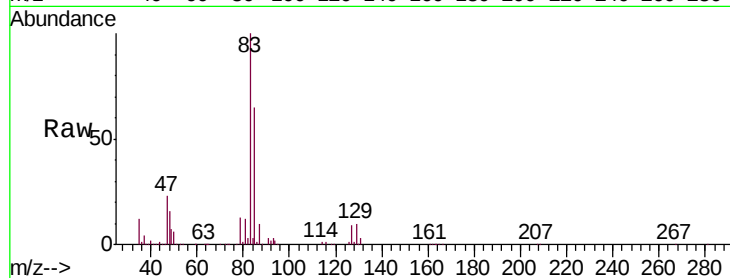




#47
Bromodichloromethane
Concen: 46.823 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

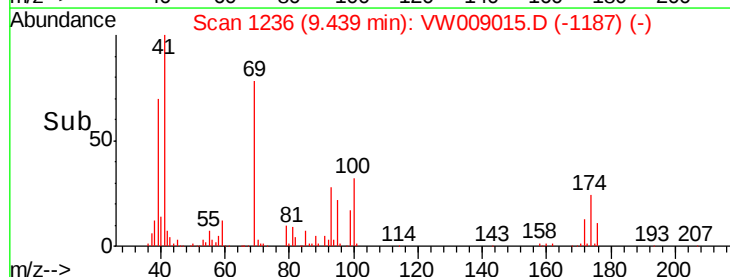
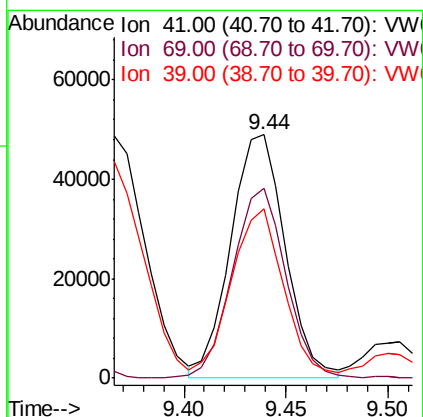
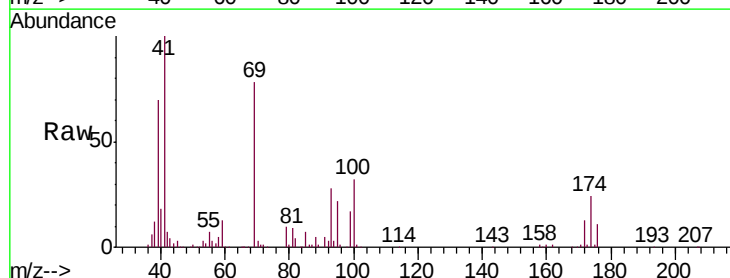
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

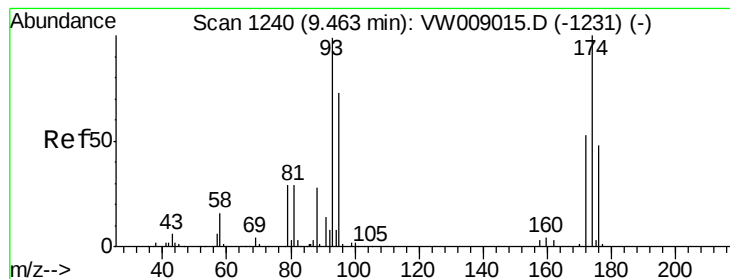
Tgt Ion: 83 Resp: 189300
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9
127 8.8 7.0 10.6



#48
Methyl methacrylate
Concen: 50.332 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion: 41 Resp: 90404
Ion Ratio Lower Upper
41 100
69 77.2 61.8 92.6
39 63.1 50.5 75.7





#49

1,4-Dioxane

Concen: 960.802 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

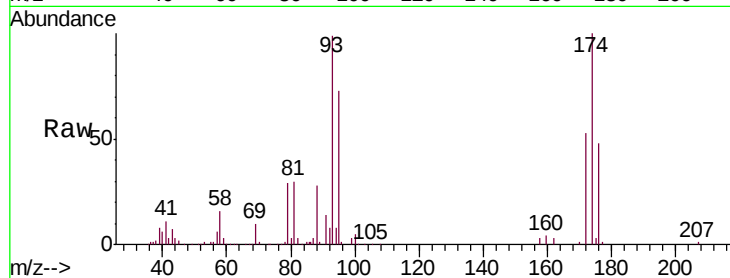
Tgt Ion: 88 Resp: 21182

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

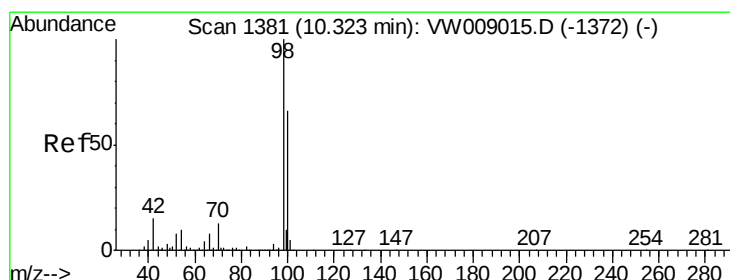
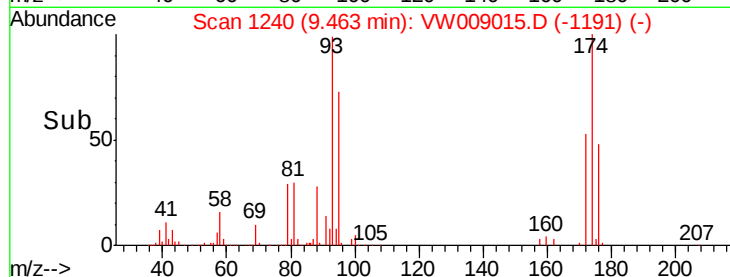
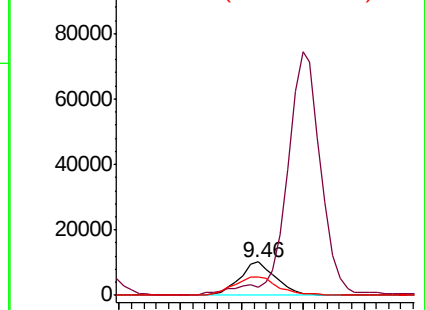
58 68.8 55.0 82.6



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: 52.528 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009015.D

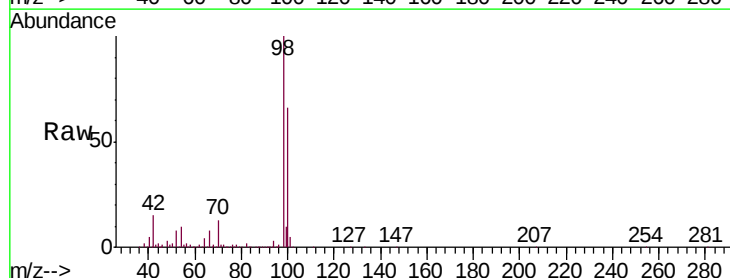
Acq: 06 Mar 2019 12:08

Tgt Ion: 98 Resp: 571330

Ion Ratio Lower Upper

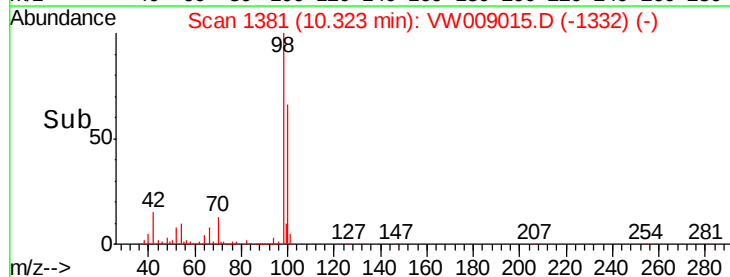
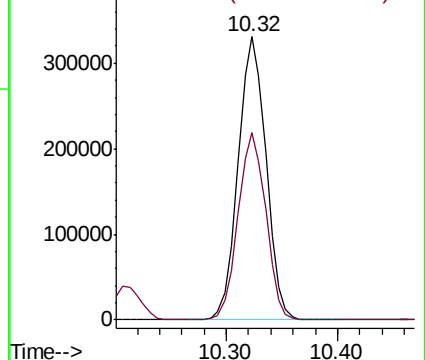
98 100

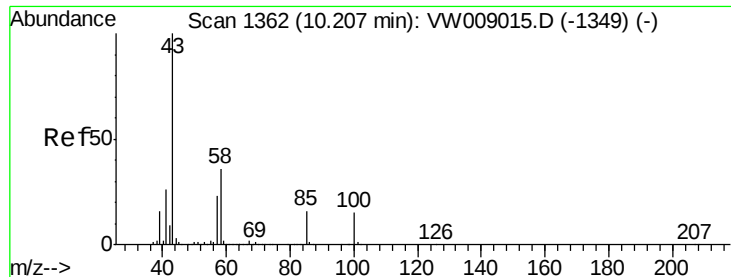
100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

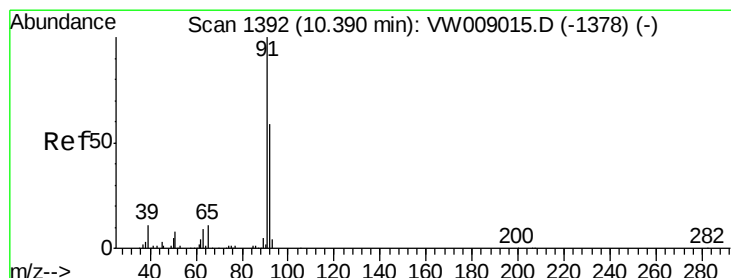
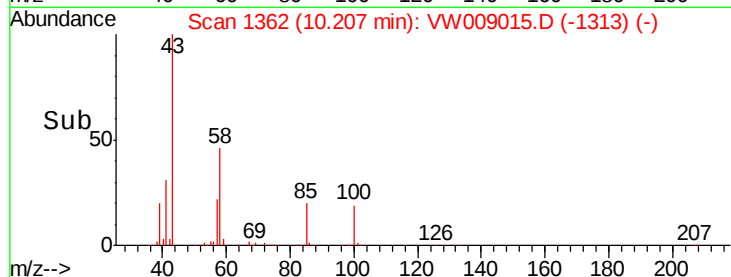
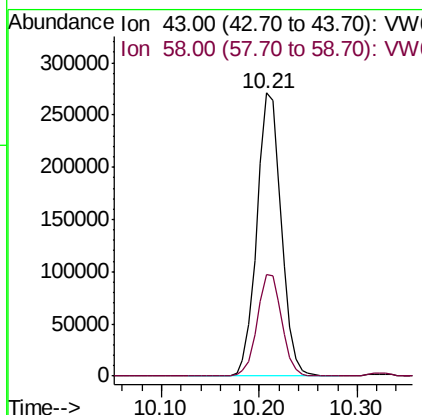
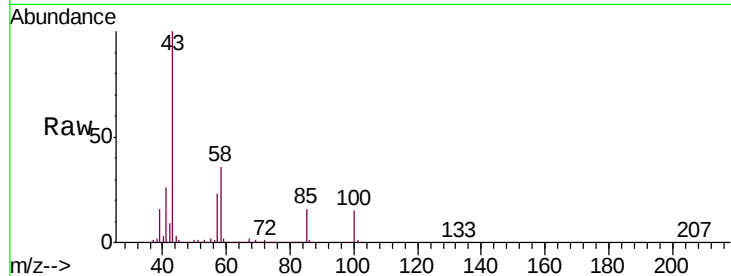




#51
 4-Methyl-2-Pentanone
 Concen: 245.838 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

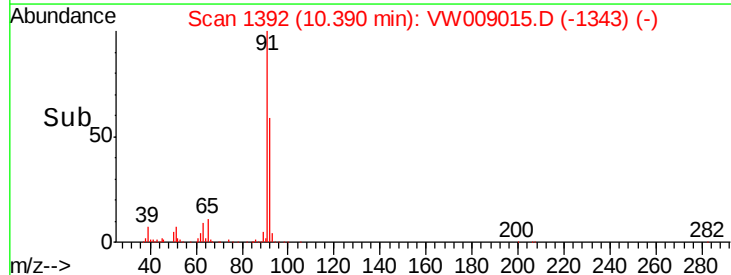
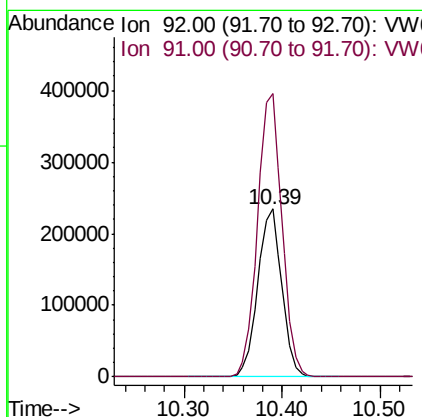
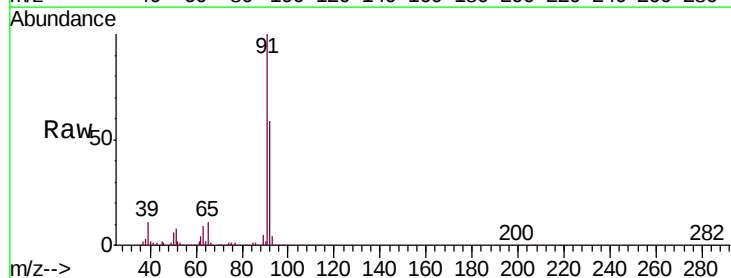
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

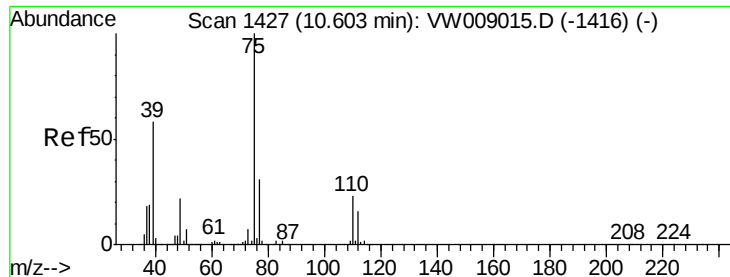
Tgt Ion: 43 Resp: 472557
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.0 43.4



#52
 Toluene
 Concen: 50.423 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

Tgt Ion: 92 Resp: 401381
 Ion Ratio Lower Upper
 92 100
 91 172.6 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 49.207 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

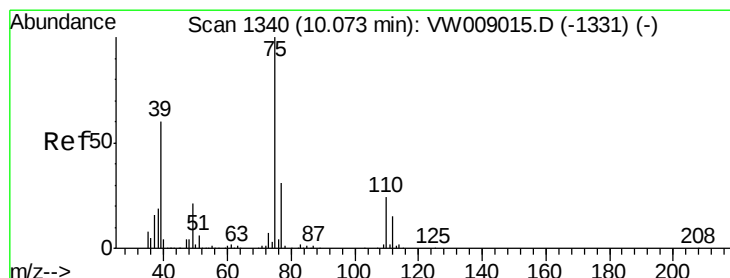
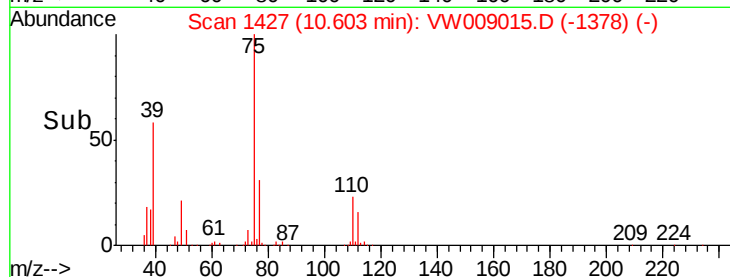
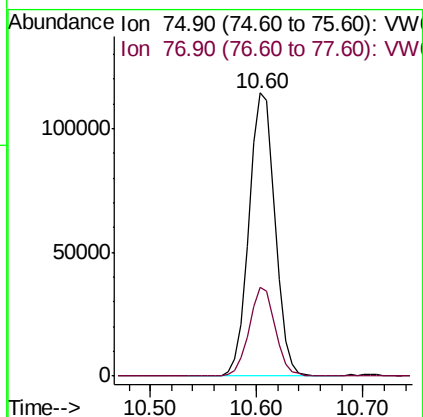
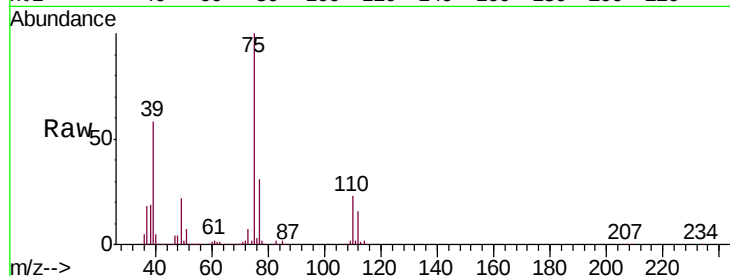
VSTDICCC050

Tgt Ion: 75 Resp: 197340

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 48.280 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

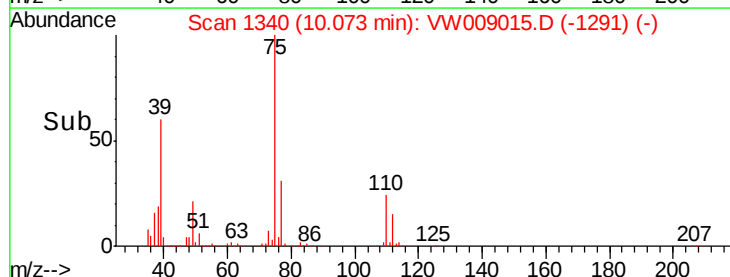
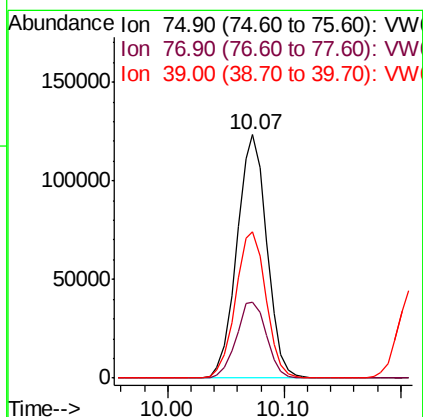
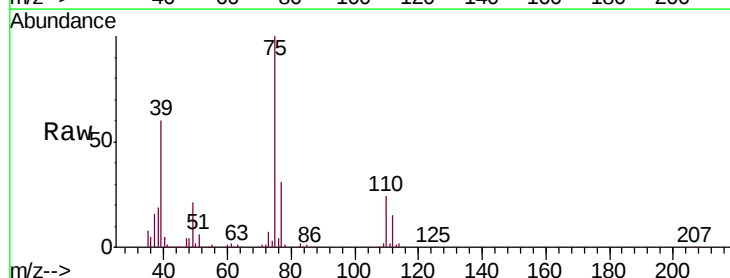
Tgt Ion: 75 Resp: 221038

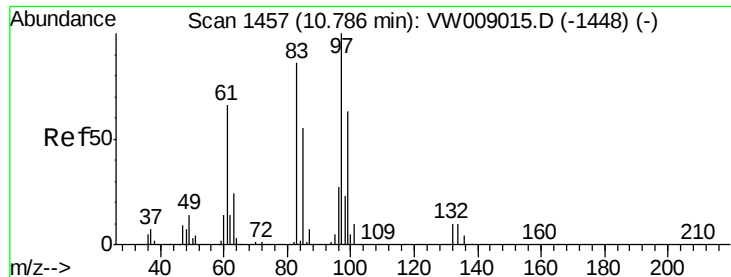
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

39 60.2 48.2 72.2

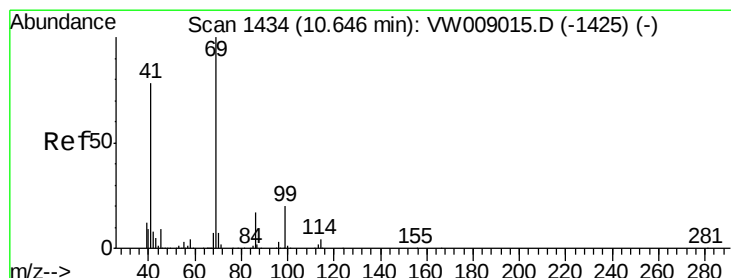
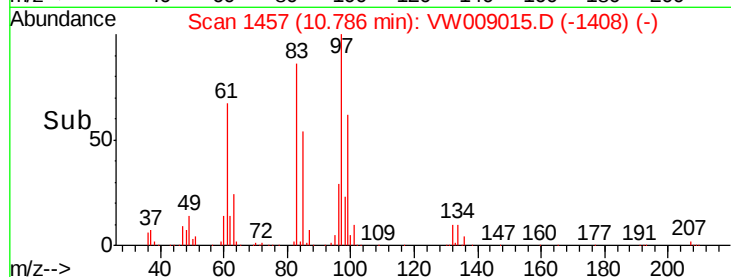
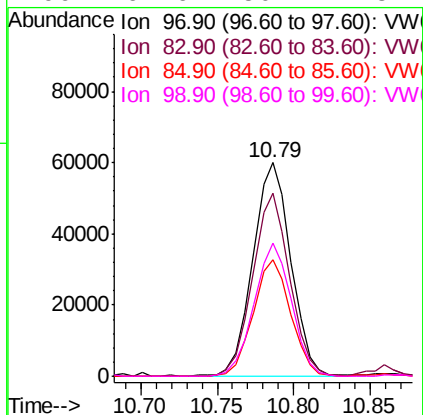
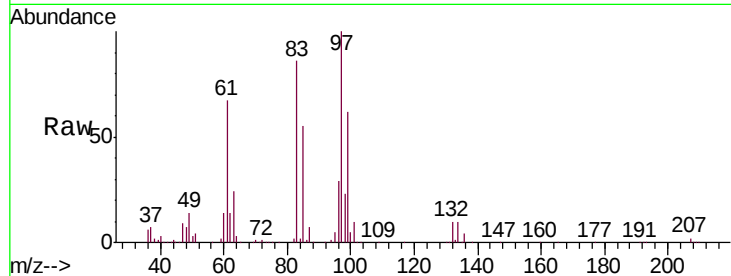




#55
 1,1,2-Trichloroethane
 Concen: 46.955 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

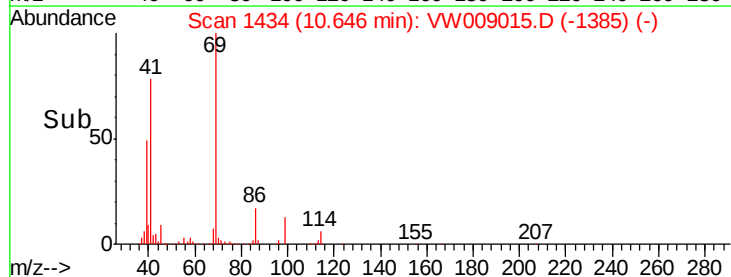
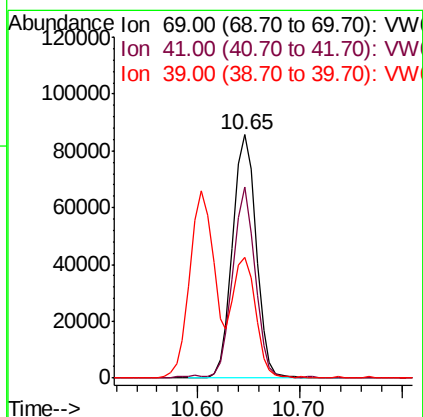
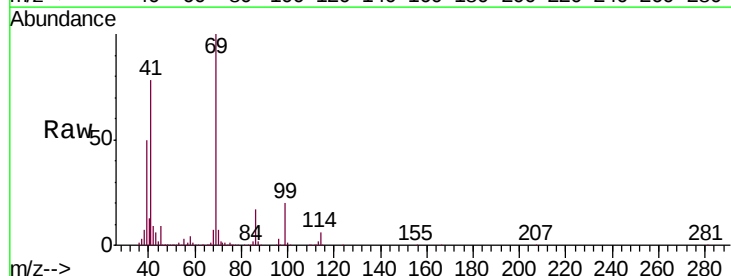
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

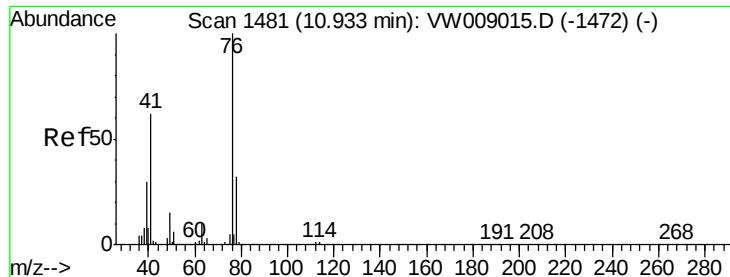
Tgt Ion: 97 Resp: 102849
 Ion Ratio Lower Upper
 97 100
 83 86.0 68.8 103.2
 85 54.6 43.7 65.5
 99 62.6 50.1 75.1



#56
 Ethyl methacrylate
 Concen: 50.587 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

Tgt Ion: 69 Resp: 137062
 Ion Ratio Lower Upper
 69 100
 41 73.6 58.9 88.3
 39 47.0 37.6 56.4





#57

1,3-Dichloropropane

Concen: 47.371 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

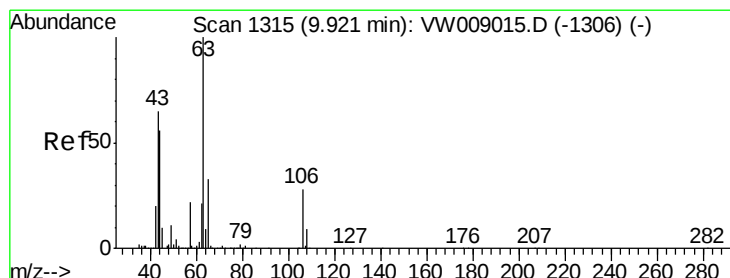
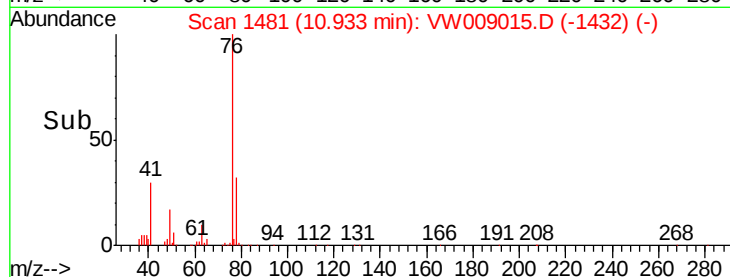
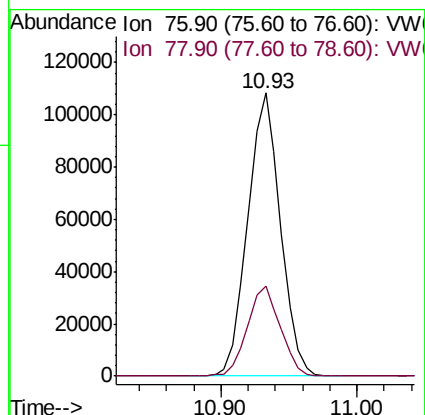
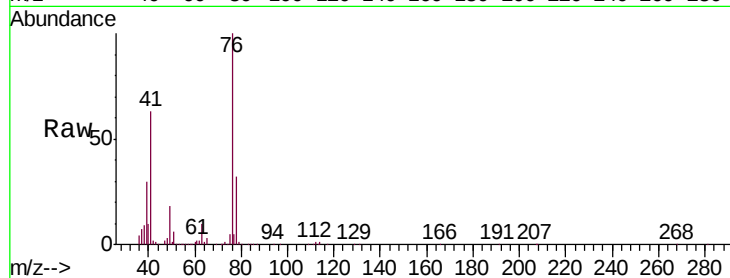
VSTDICCC050

Tgt Ion: 76 Resp: 182464

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 247.855 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009015.D

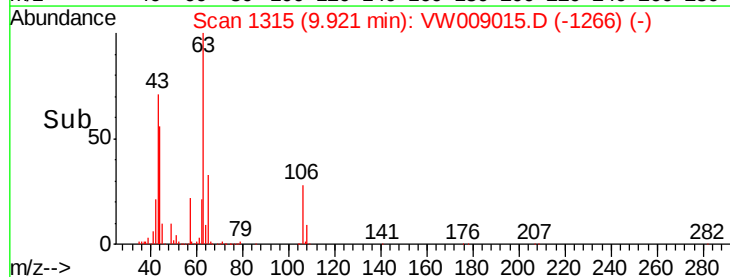
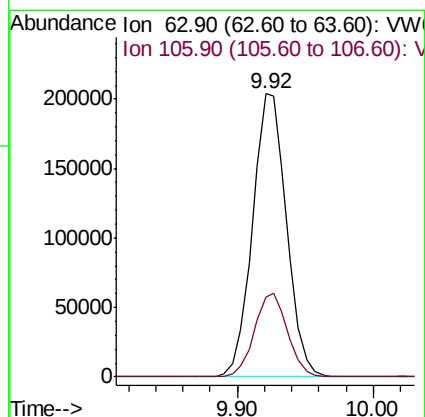
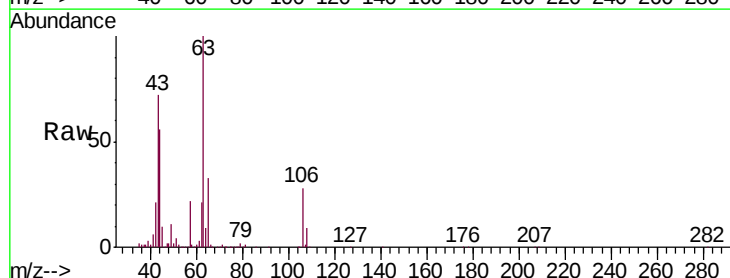
Acq: 06 Mar 2019 12:08

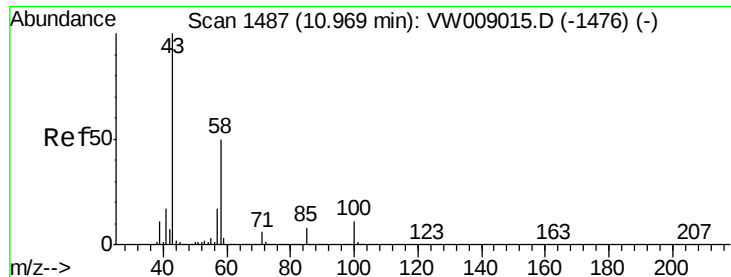
Tgt Ion: 63 Resp: 356339

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6

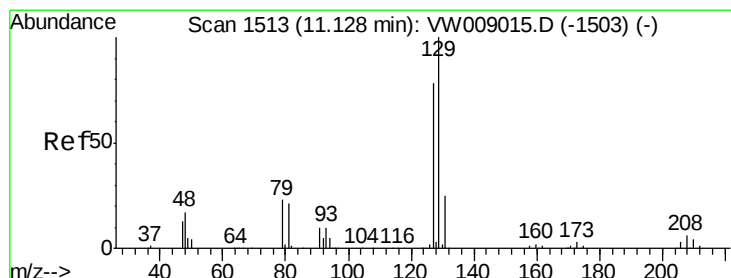
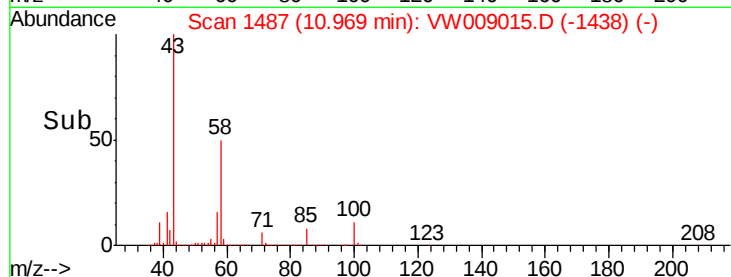
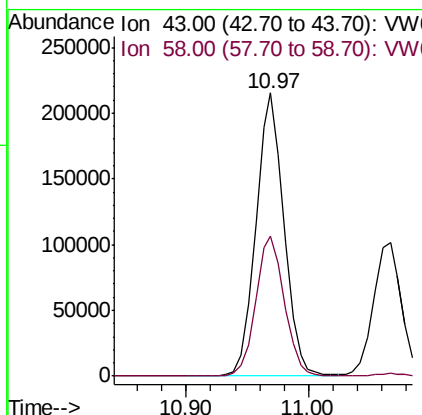
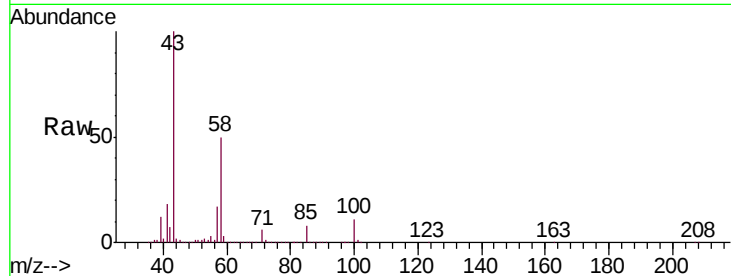




#59
2-Hexanone
Concen: 254.127 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

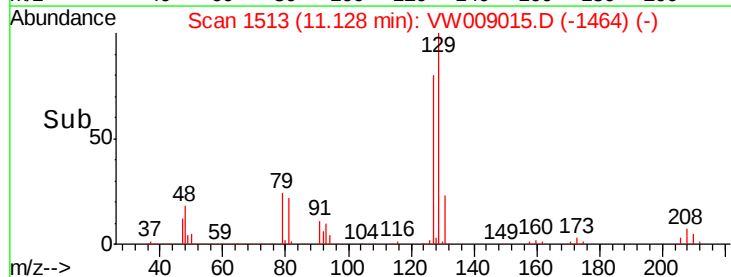
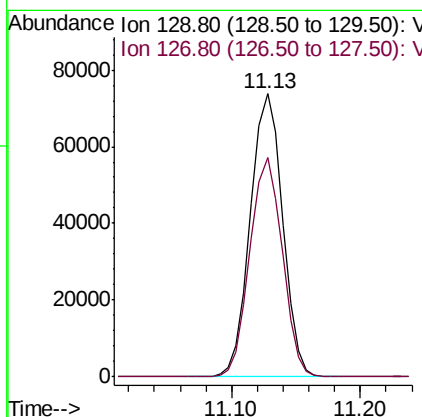
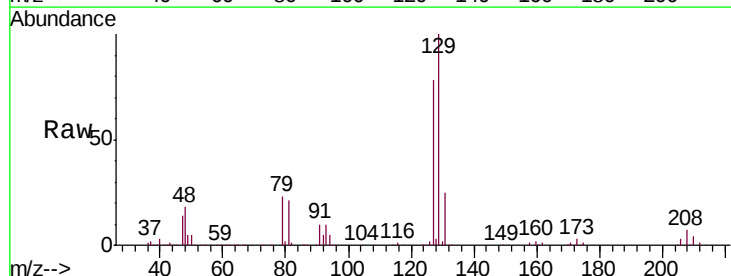
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

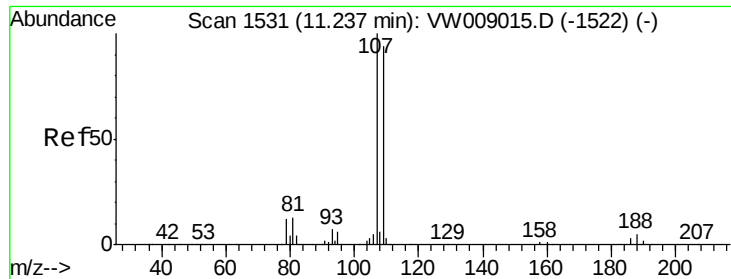
Tgt Ion: 43 Resp: 343409
Ion Ratio Lower Upper
43 100
58 50.5 25.3 75.8



#60
Dibromochloromethane
Concen: 48.058 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion: 129 Resp: 127858
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9

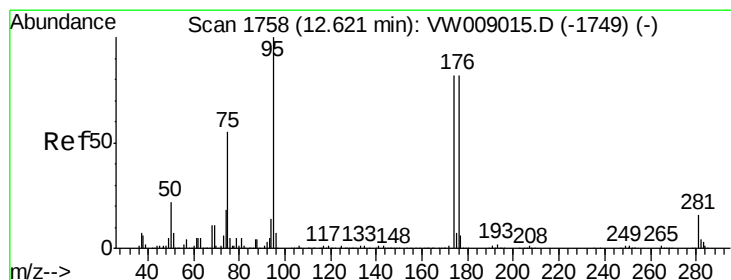
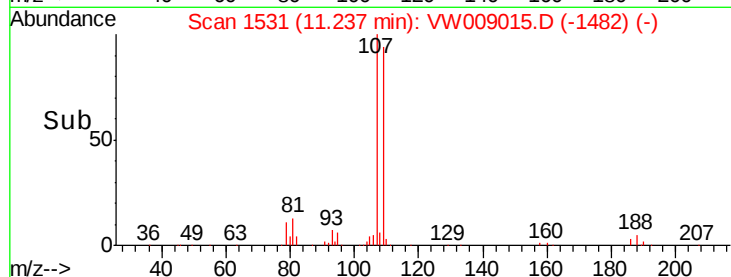
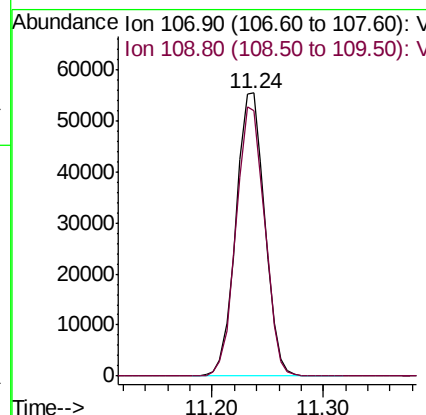
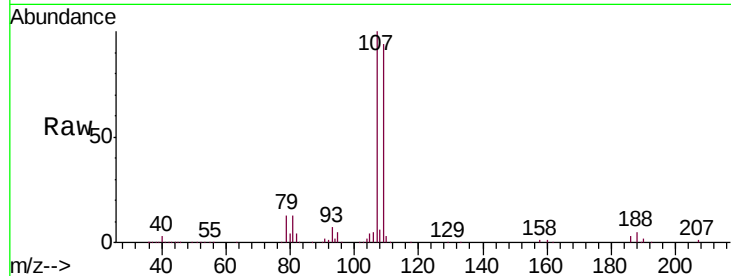




#61
 1,2-Dibromoethane
 Concen: 47.904 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

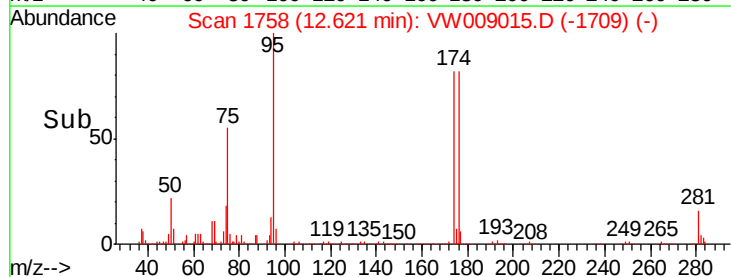
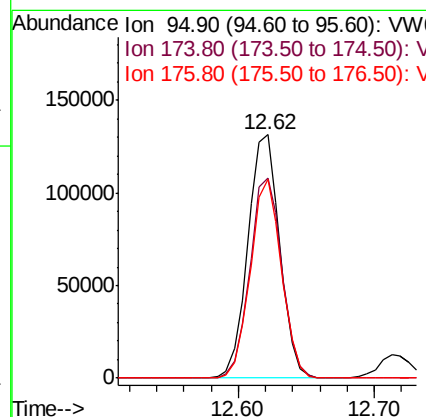
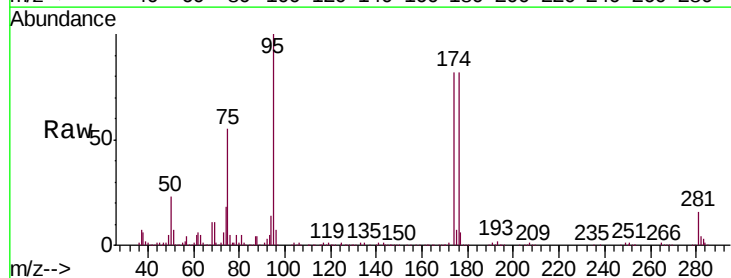
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

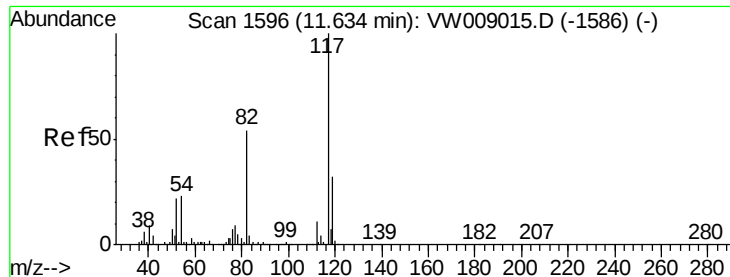
Tgt Ion: 107 Resp: 99454
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.188 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

Tgt Ion: 95 Resp: 215021
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 165.8
 176 79.9 0.0 159.8

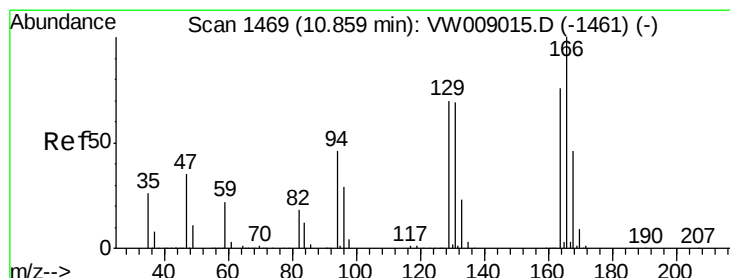
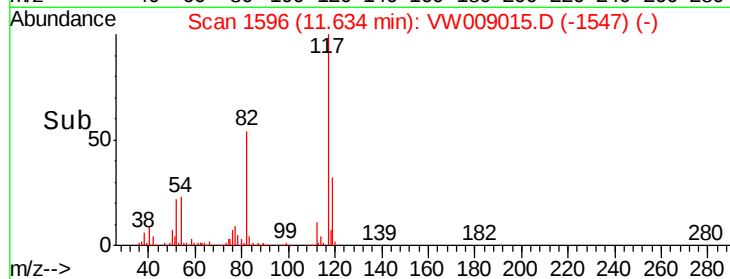
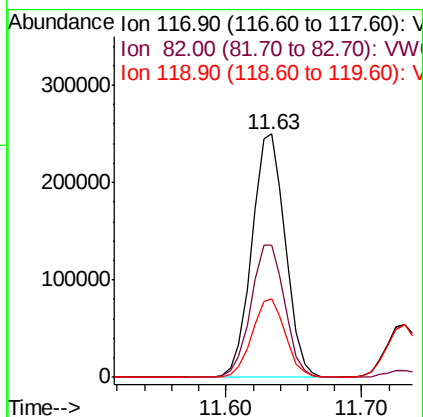
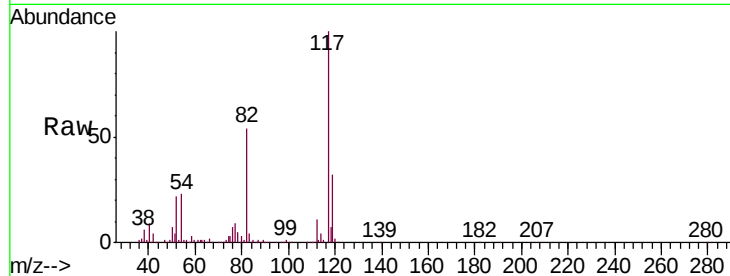




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

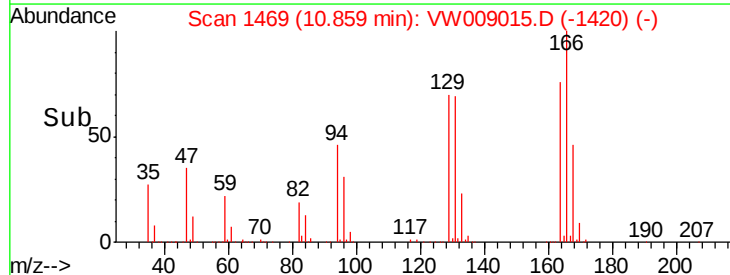
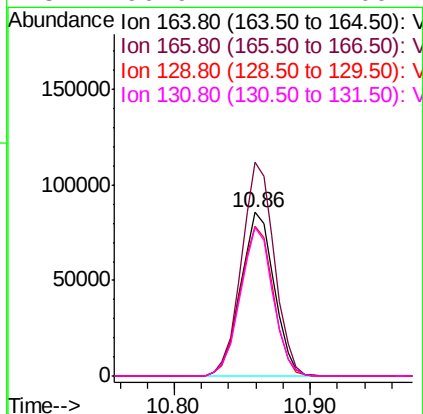
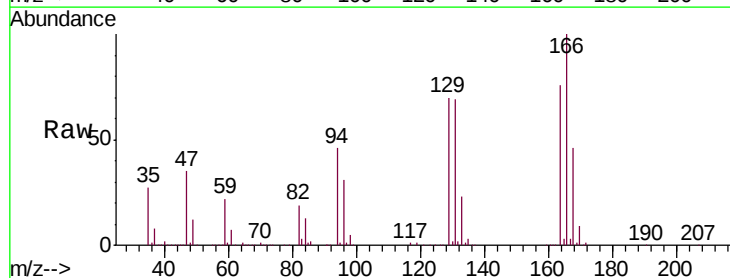
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

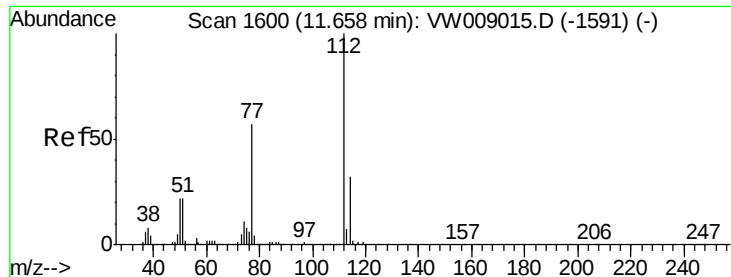
Tgt Ion:117 Resp: 430714
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.2
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 49.491 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion:164 Resp: 147183
Ion Ratio Lower Upper
164 100
166 130.8 104.6 157.0
129 91.8 73.4 110.2
131 90.9 72.7 109.1

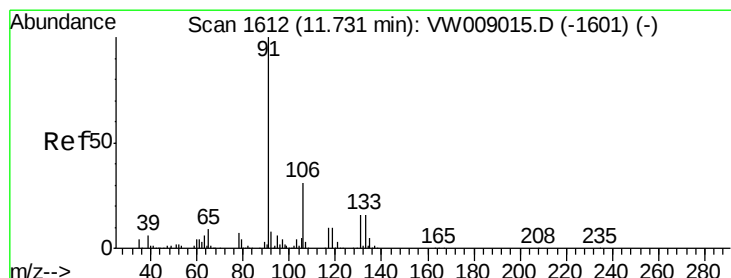
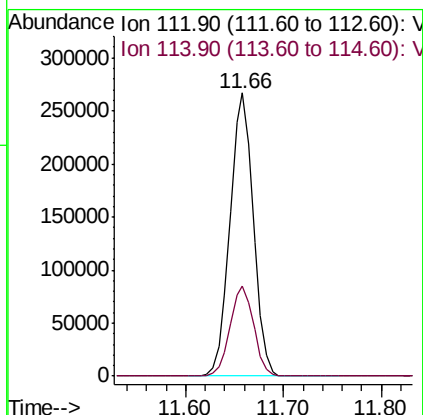
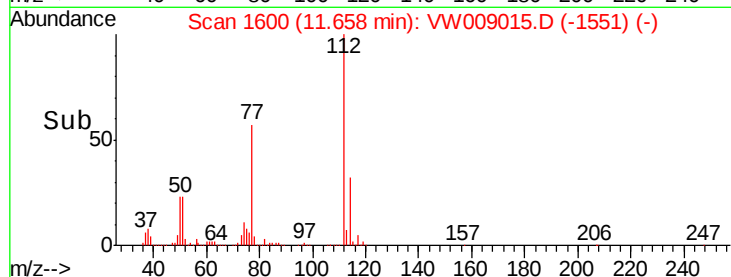
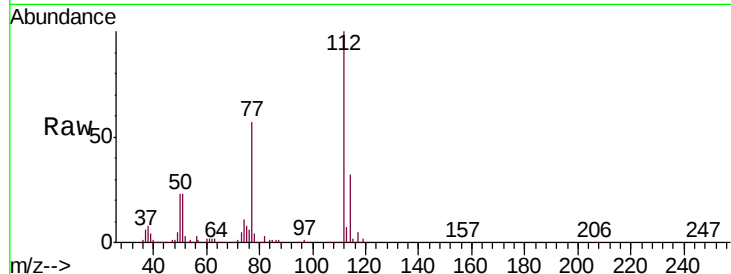




#65
Chlorobenzene
Concen: 49.232 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

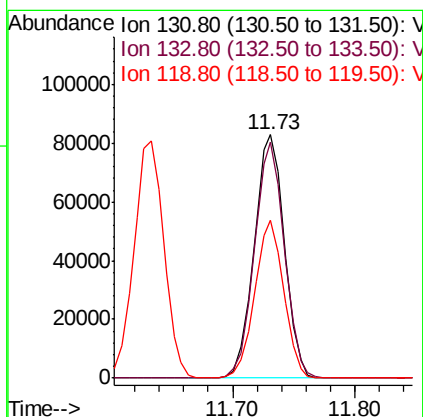
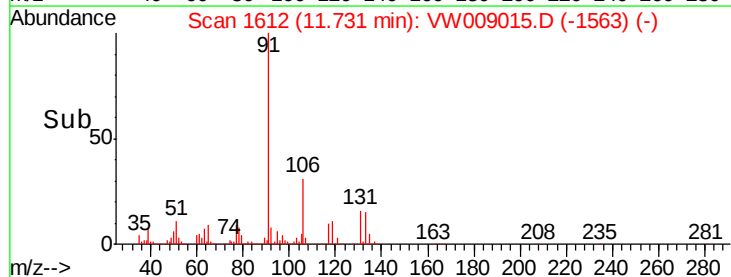
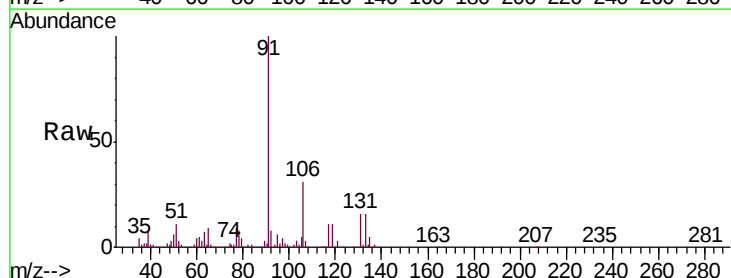
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

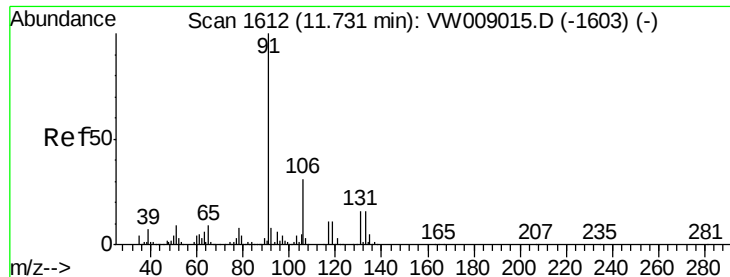
Tgt Ion:112 Resp: 440137
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 47.440 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion:131 Resp: 142433
Ion Ratio Lower Upper
131 100
133 96.2 48.1 144.3
119 62.3 31.1 93.5

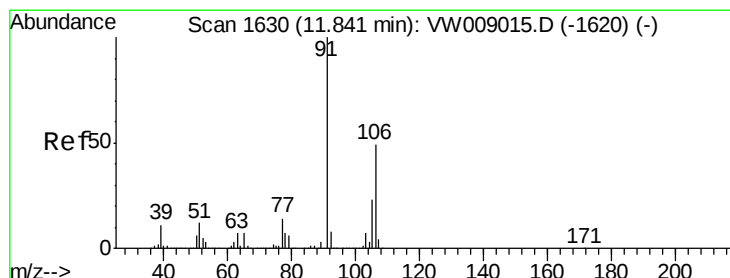
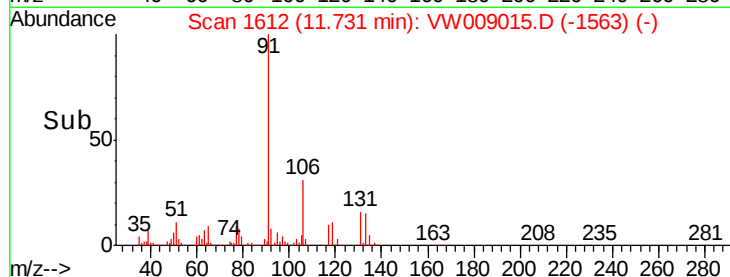
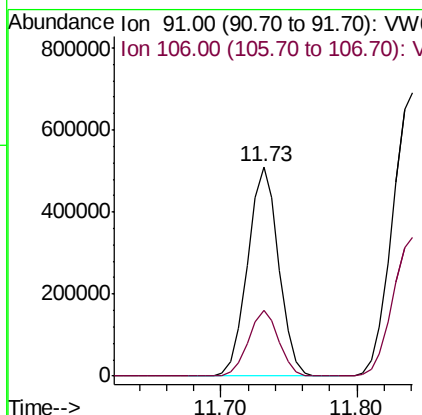
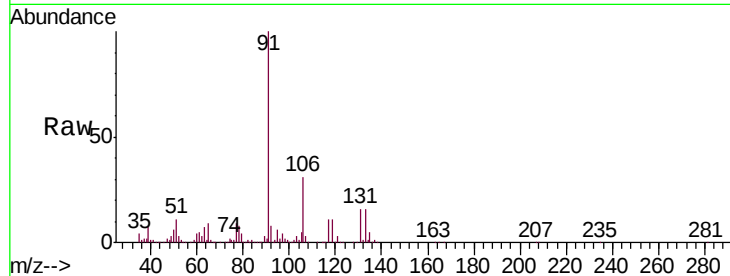




#67
Ethyl Benzene
Concen: 50.237 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

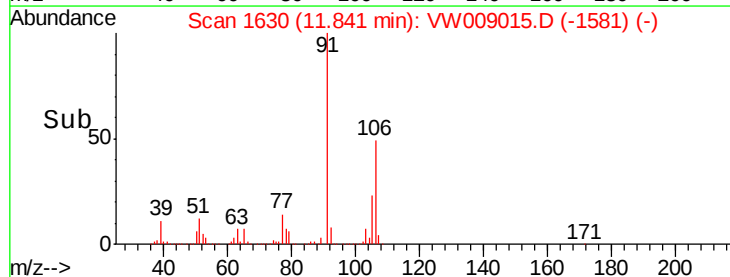
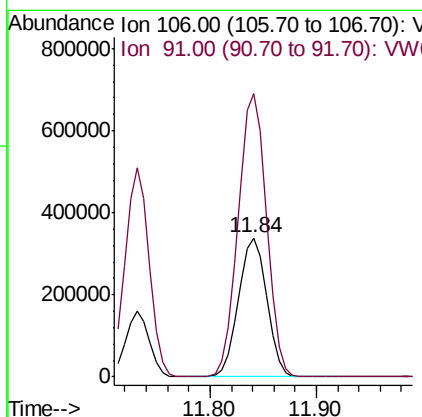
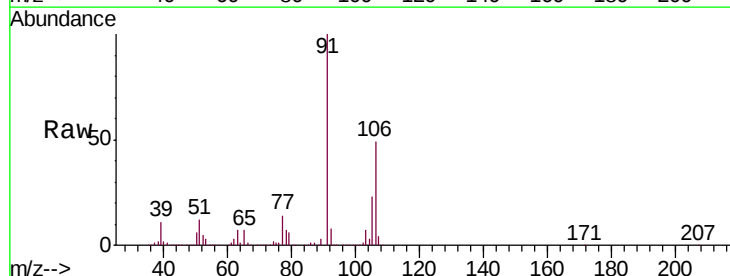
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

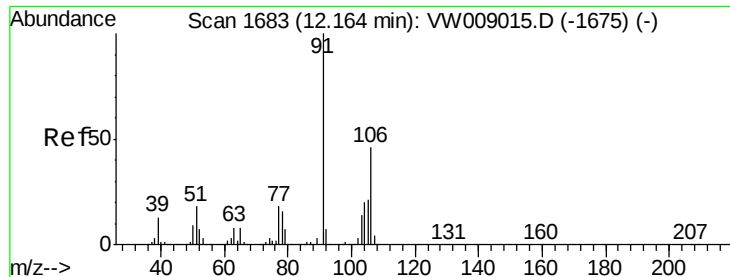
Tgt Ion: 91 Resp: 814312
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8



#68
m/p-Xylenes
Concen: 99.342 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion: 106 Resp: 635383
Ion Ratio Lower Upper
106 100
91 203.6 162.9 244.3

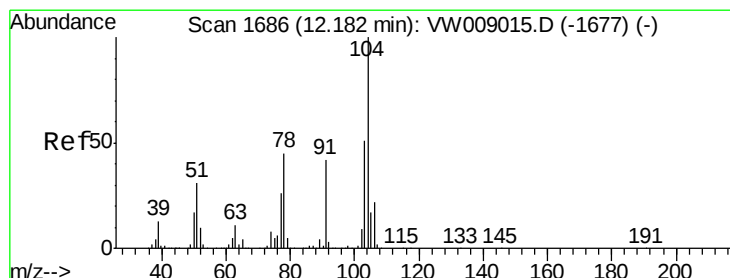
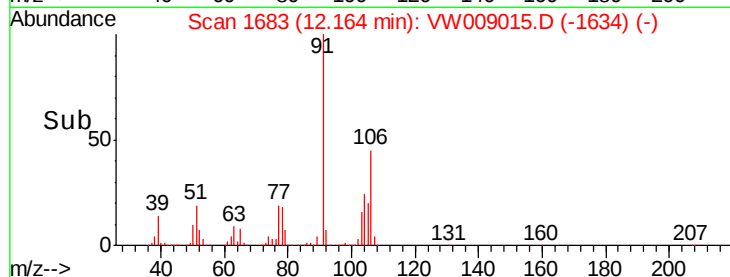
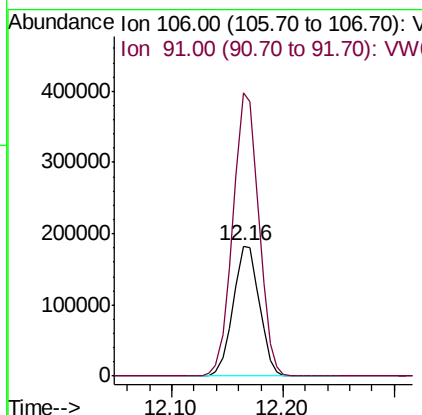
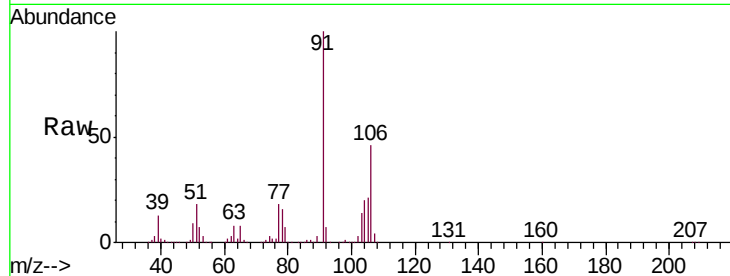




#69
o-Xylene
Concen: 49.965 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

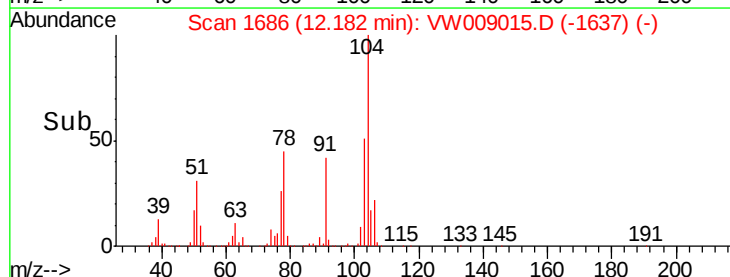
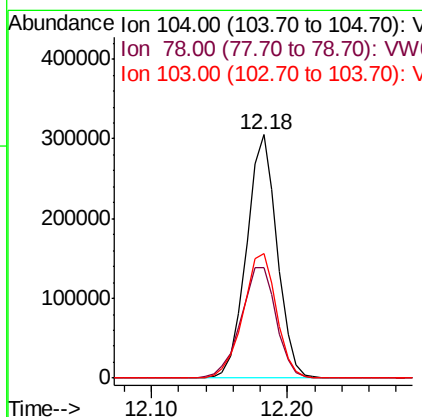
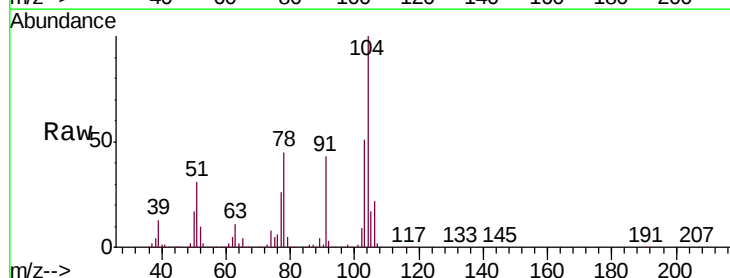
Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

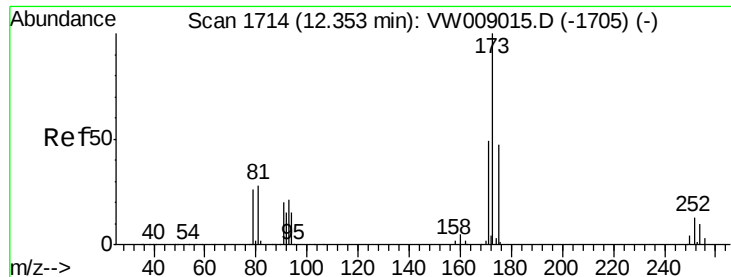
Tgt Ion:106 Resp: 298328
Ion Ratio Lower Upper
106 100
91 214.8 107.4 322.2



#70
Styrene
Concen: 49.705 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion:104 Resp: 480773
Ion Ratio Lower Upper
104 100
78 52.4 41.9 62.9
103 56.1 44.9 67.3





#71

Bromoform

Concen: 48.800 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

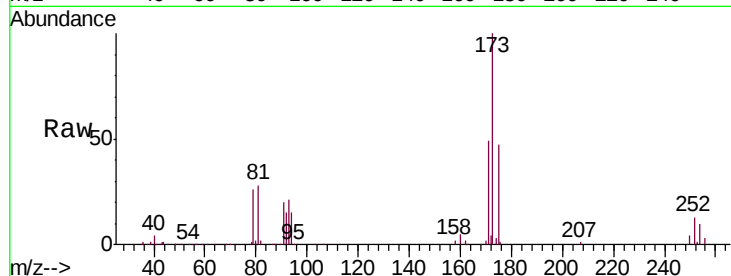
Tgt Ion:173 Resp: 78065

Ion Ratio Lower Upper

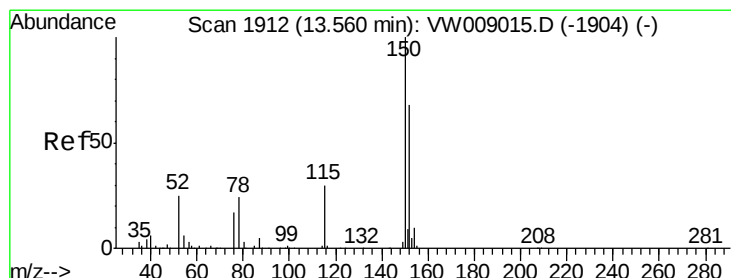
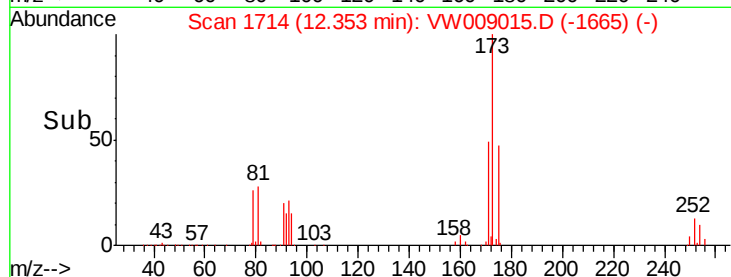
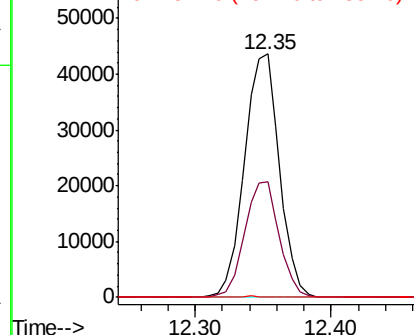
173 100

175 46.6 23.3 69.9

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

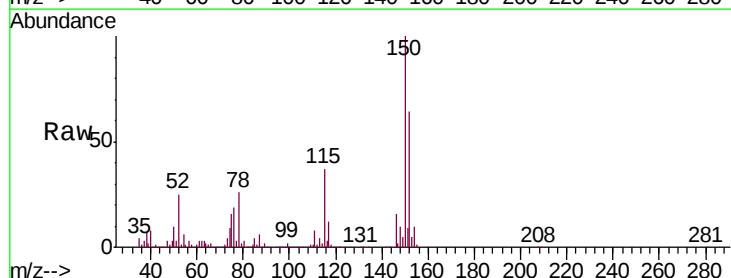
Tgt Ion:152 Resp: 237486

Ion Ratio Lower Upper

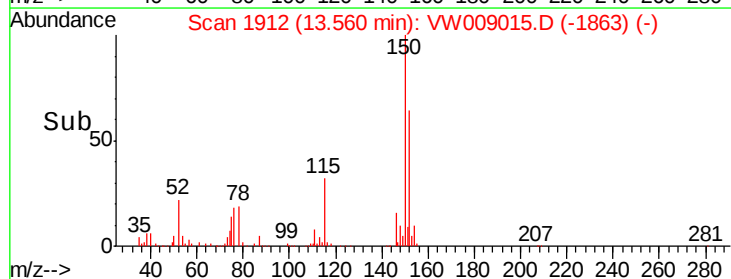
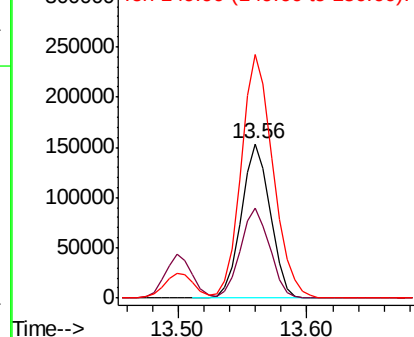
152 100

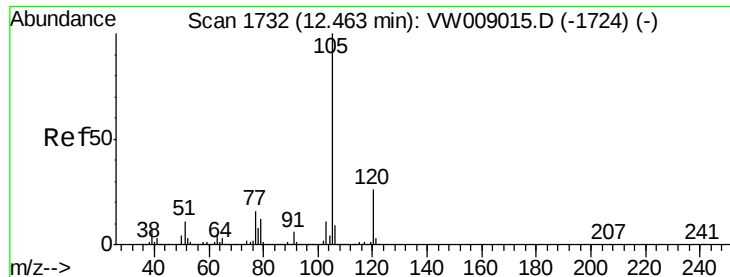
115 58.5 29.3 87.8

150 174.3 0.0 348.6



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





#73

Isopropylbenzene

Concen: 50.897 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

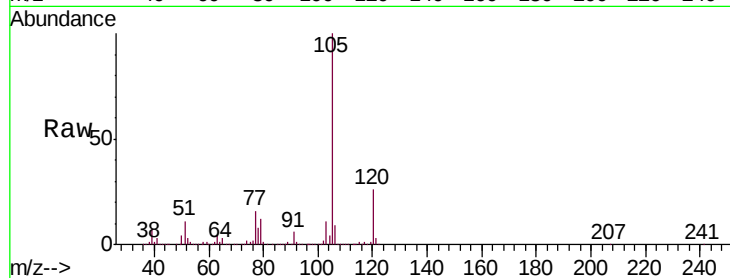
VSTDICCC050

Tgt Ion:105 Resp: 827368

Ion Ratio Lower Upper

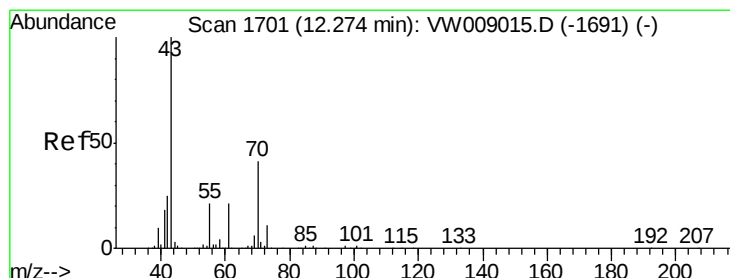
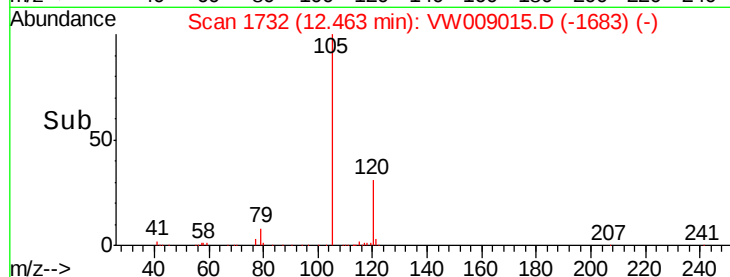
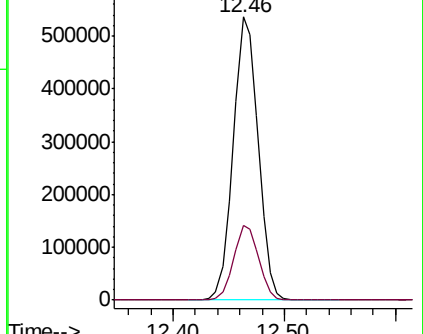
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.972 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Tgt Ion: 43 Resp: 197263

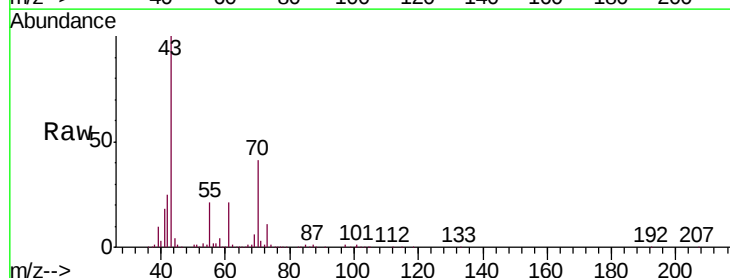
Ion Ratio Lower Upper

43 100

70 39.0 31.2 46.8

55 22.5 18.0 27.0

61 21.6 17.3 25.9

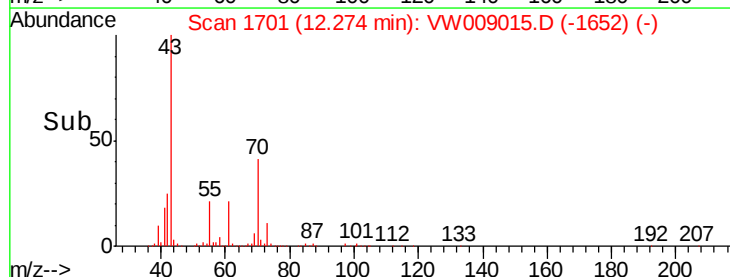
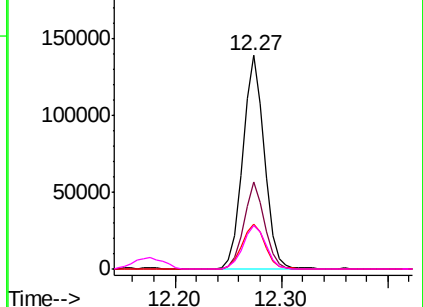


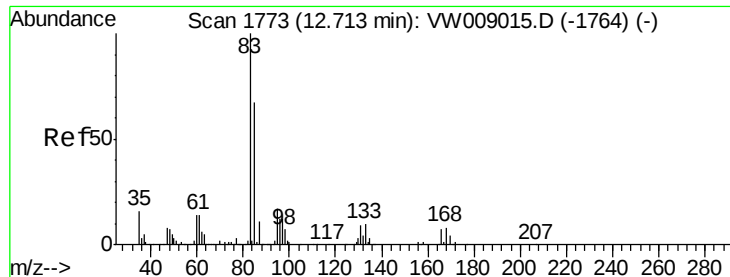
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 48.072 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

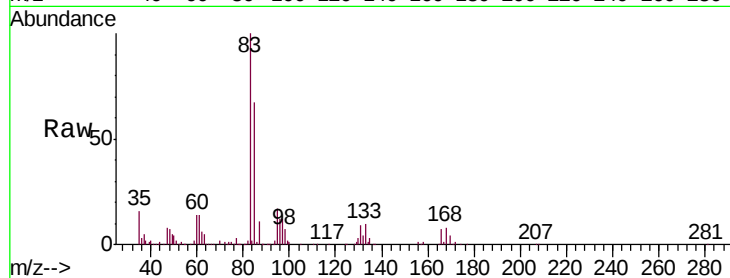
Tgt Ion: 83 Resp: 121885

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.7

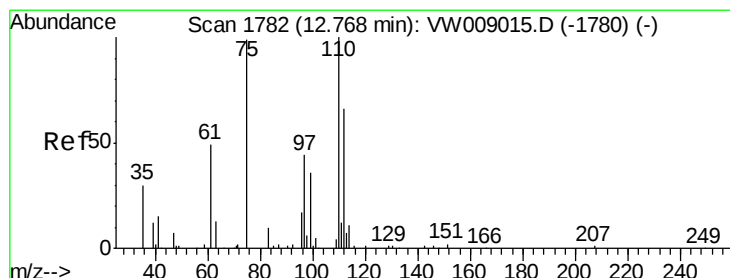
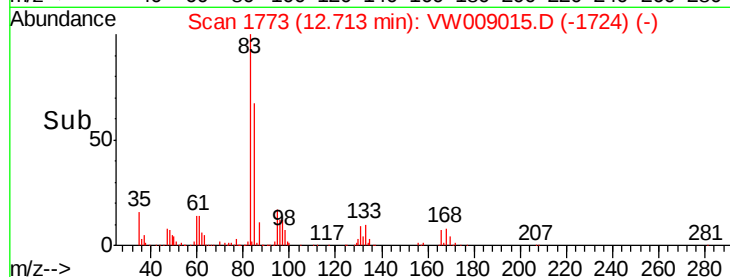
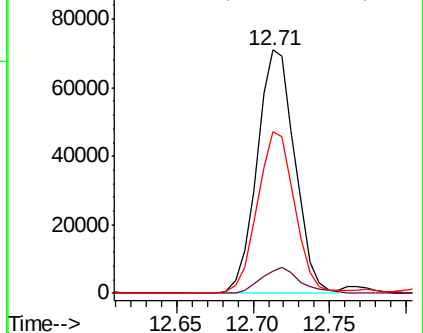
85 65.5 32.8 98.3



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: 66.996 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009015.D

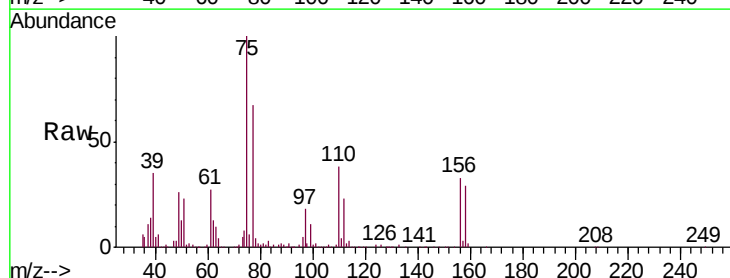
Acq: 06 Mar 2019 12:08

Tgt Ion: 75 Resp: 171958

Ion Ratio Lower Upper

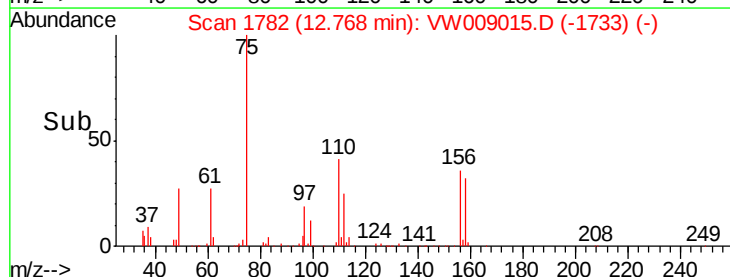
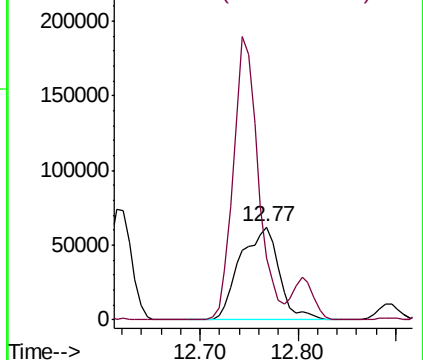
75 100

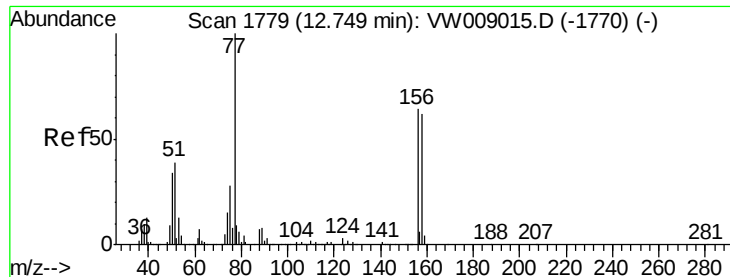
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.028 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

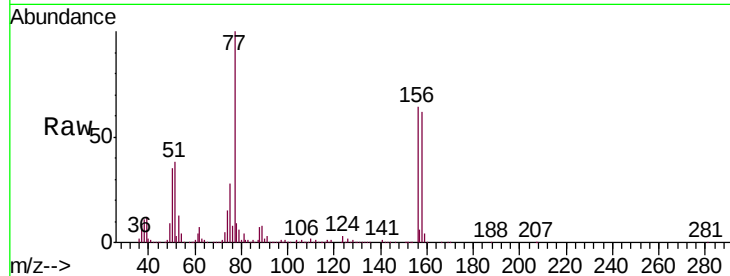
Tgt Ion:156 Resp: 184100

Ion Ratio Lower Upper

156 100

77 183.3 91.6 274.9

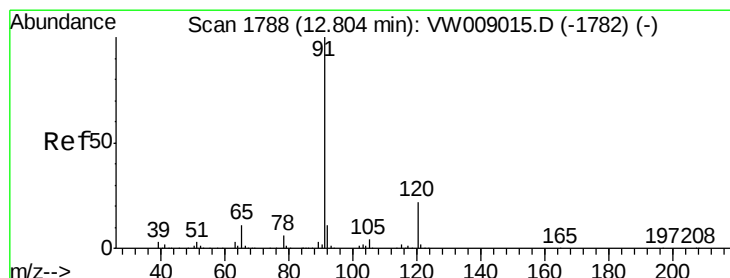
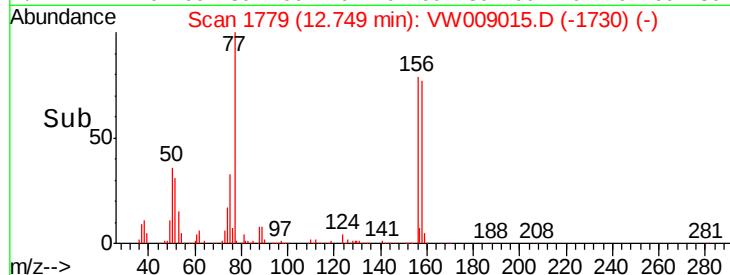
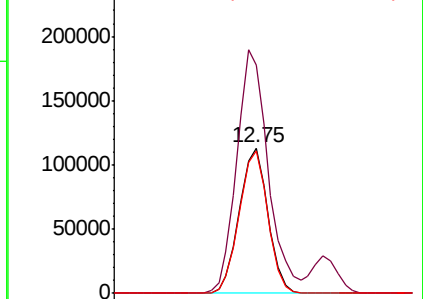
158 97.6 48.8 146.4



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: 51.404 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009015.D

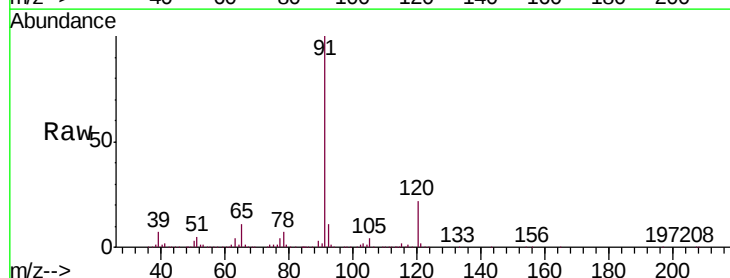
Acq: 06 Mar 2019 12:08

Tgt Ion: 91 Resp: 1025838

Ion Ratio Lower Upper

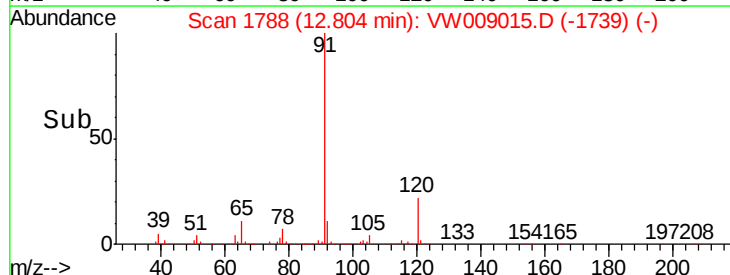
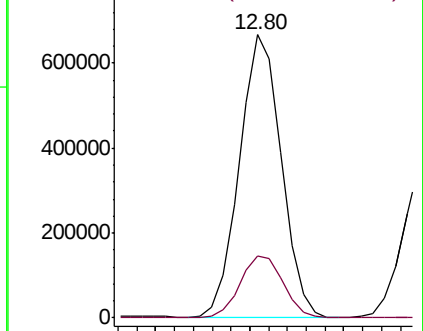
91 100

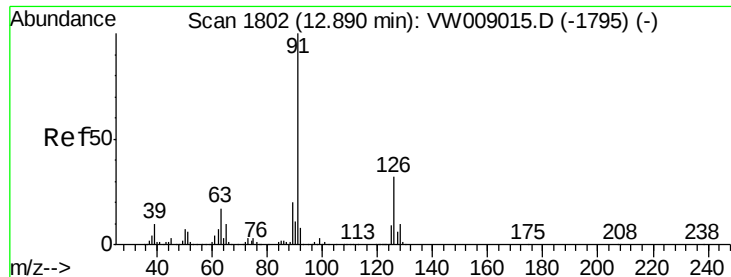
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

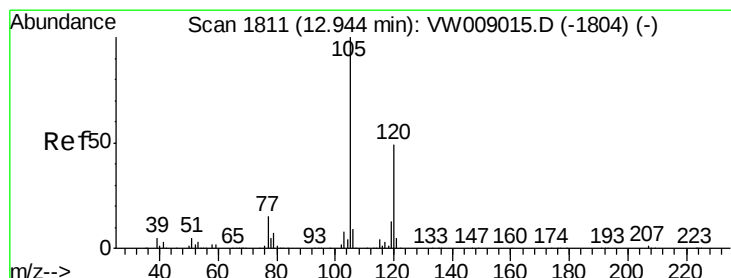
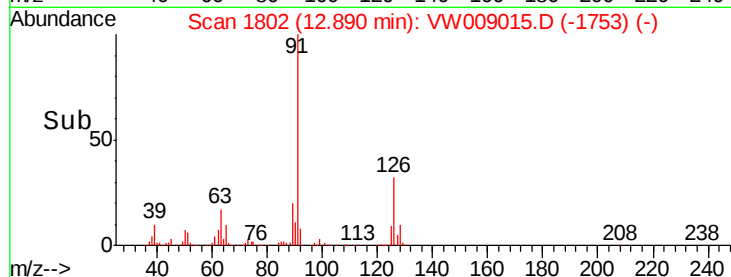
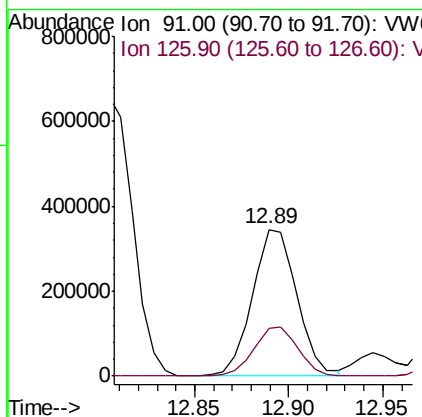
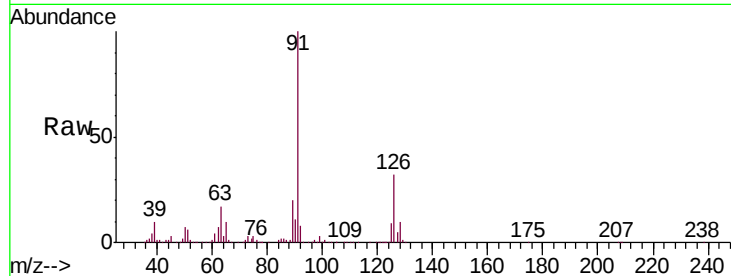




#79
 2-Chlorotoluene
 Concen: 50.131 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

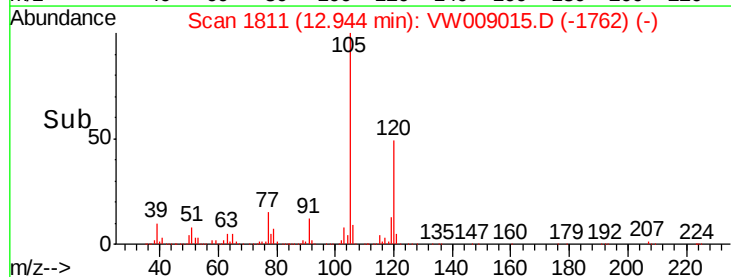
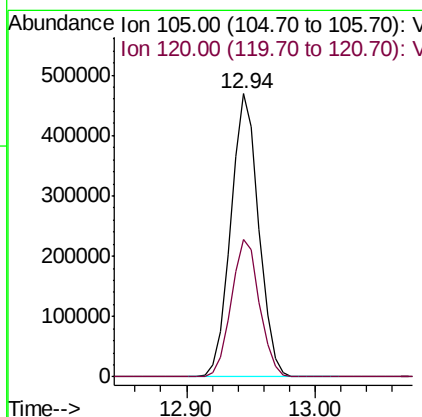
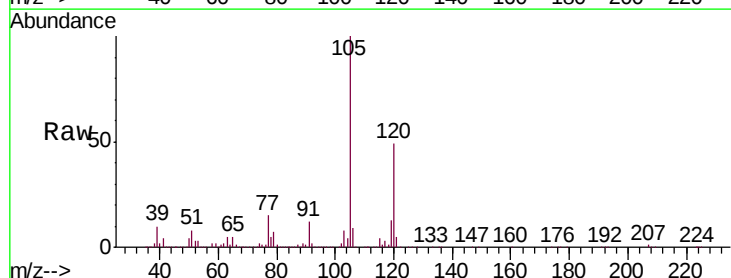
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

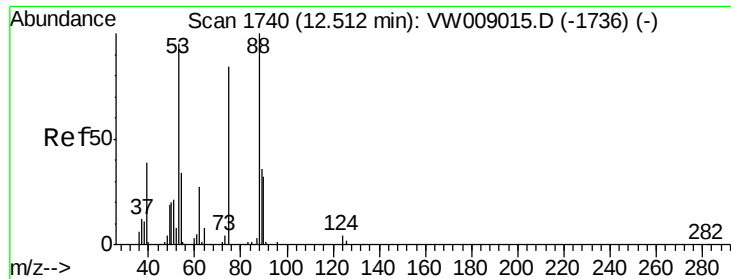
Tgt Ion: 91 Resp: 564880
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 50.816 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

Tgt Ion: 105 Resp: 708914
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.495 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

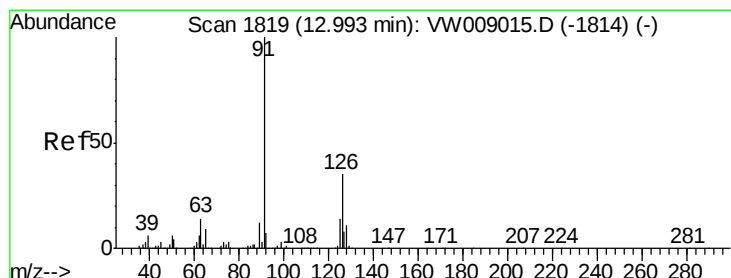
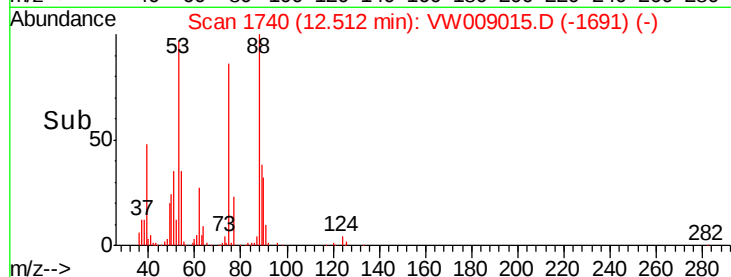
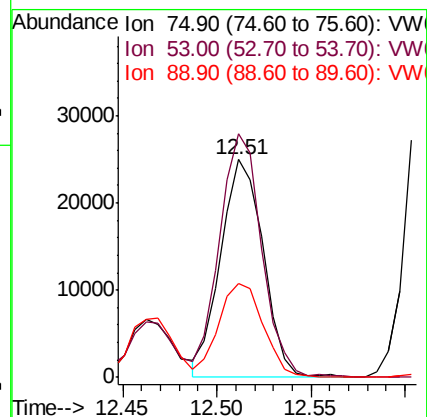
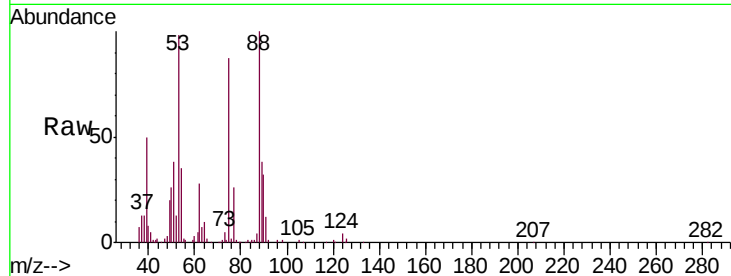
Tgt Ion: 75 Resp: 39212

Ion Ratio Lower Upper

75 100

53 110.6 88.5 132.7

89 45.4 36.3 54.5



#82

4-Chlorotoluene

Concen: 50.160 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW009015.D

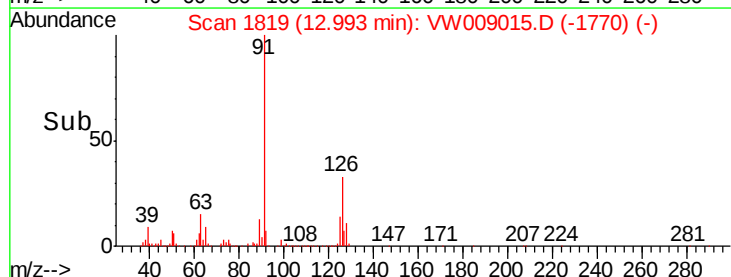
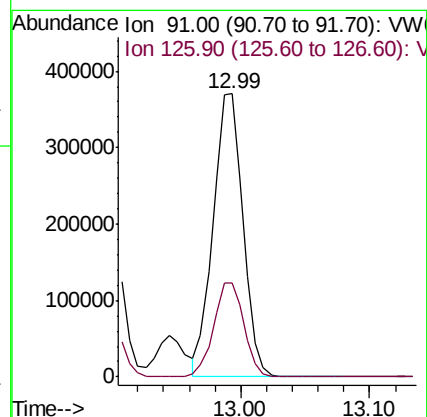
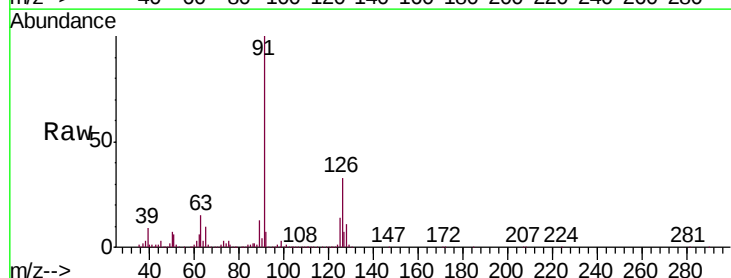
Acq: 06 Mar 2019 12:08

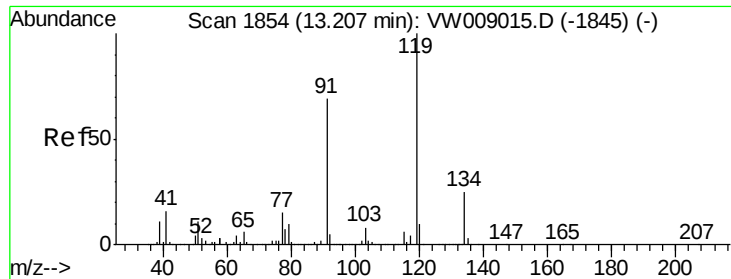
Tgt Ion: 91 Resp: 601208

Ion Ratio Lower Upper

91 100

126 33.7 16.9 50.6

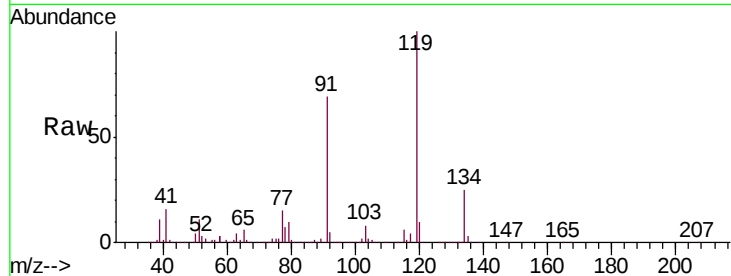




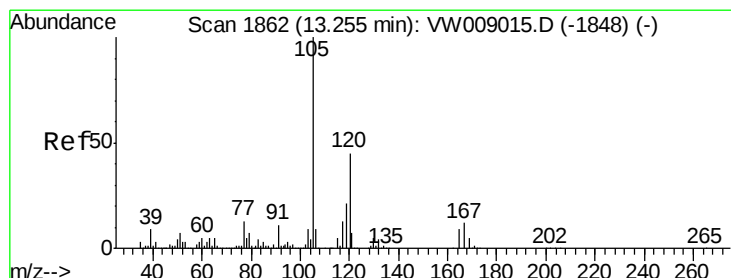
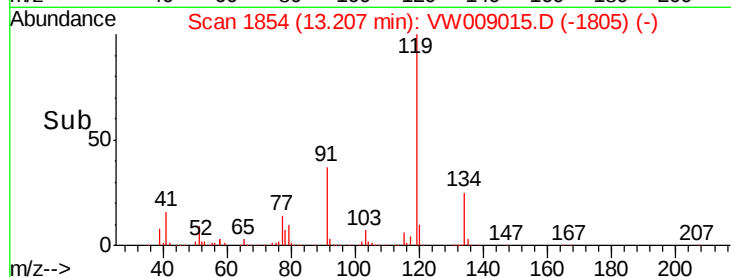
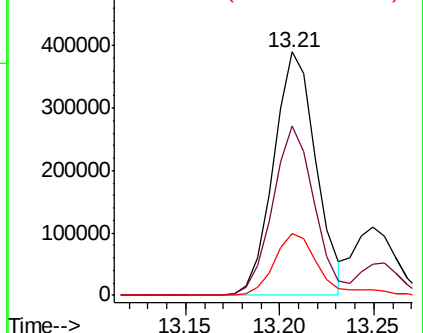
#83
tert-Butylbenzene
Concen: 50.616 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 608429
Ion Ratio Lower Upper
119 100
91 68.6 34.3 102.9
134 27.2 13.6 40.8

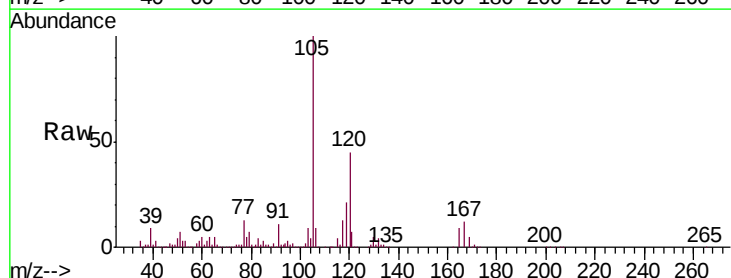


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VW
Ion 134.00 (133.70 to 134.70): V

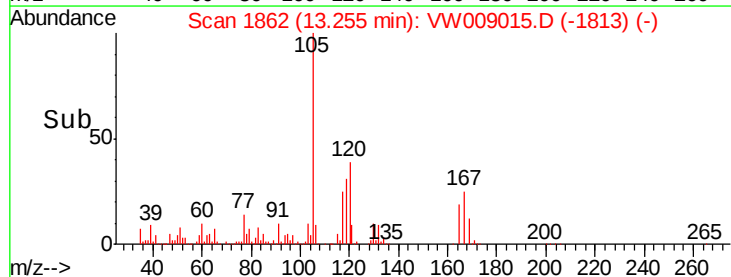
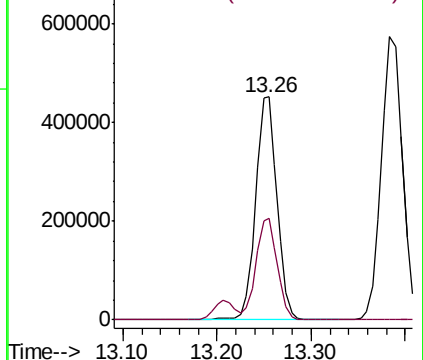


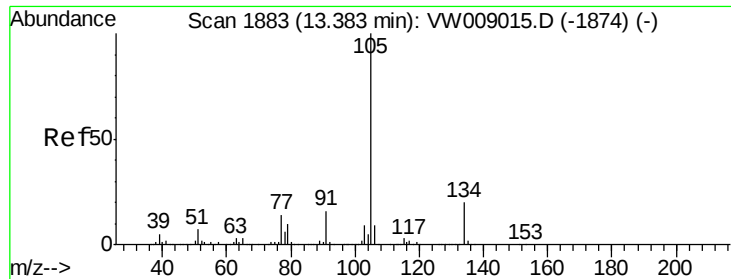
#84
1,2,4-Trimethylbenzene
Concen: 50.765 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion:105 Resp: 725017
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

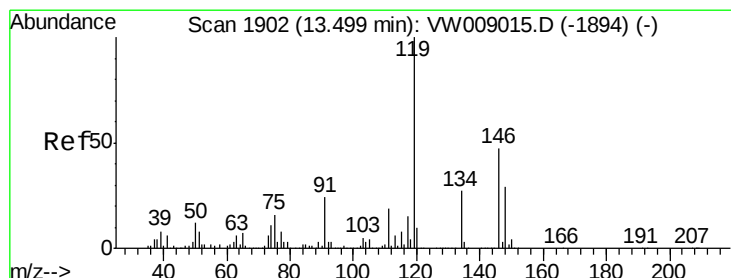
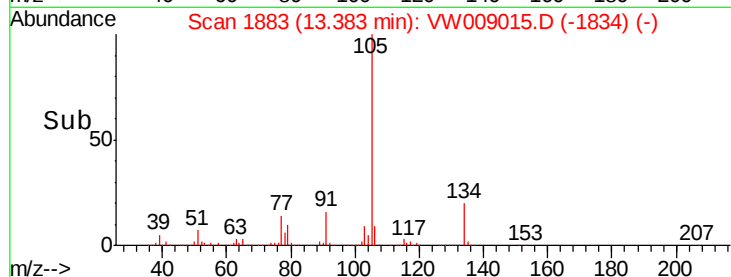
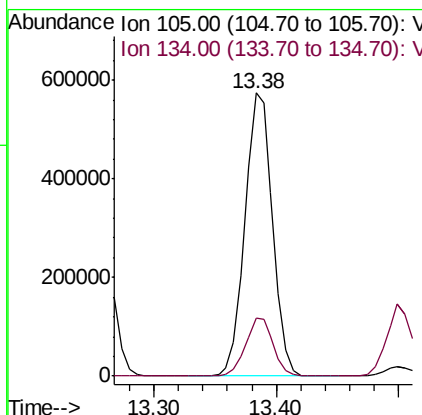
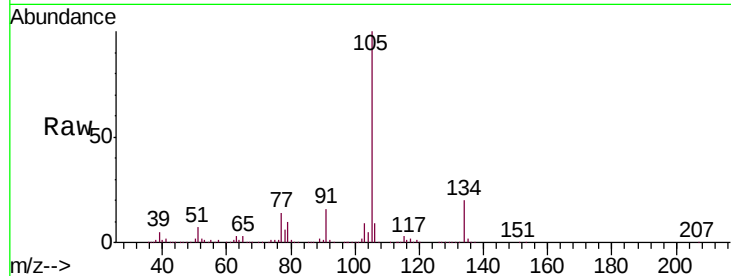




#85
 sec-Butylbenzene
 Concen: 51.093 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

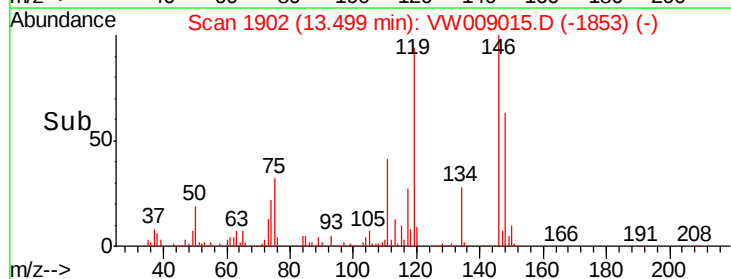
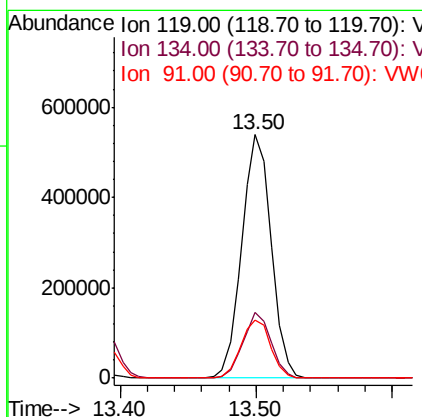
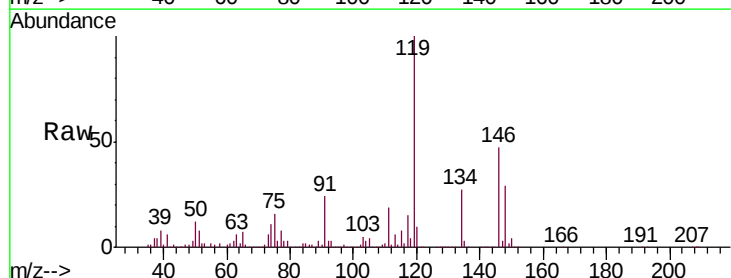
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

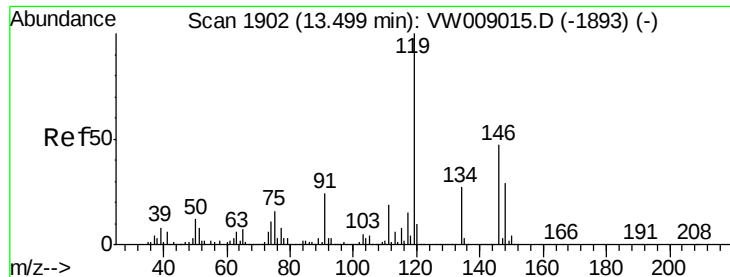
Tgt Ion:105 Resp: 895912
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 51.376 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

Tgt Ion:119 Resp: 810879
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 49.976 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

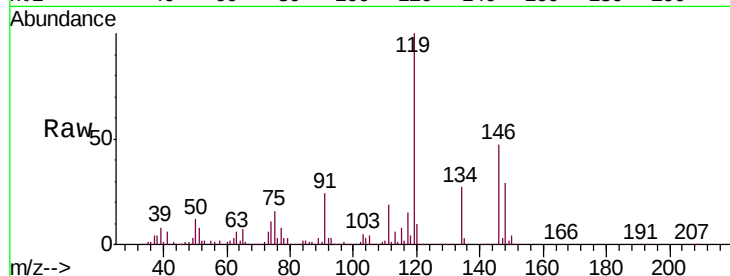
Tgt Ion:146 Resp: 393711

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.7

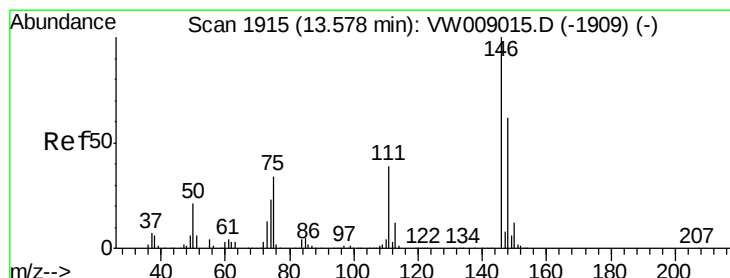
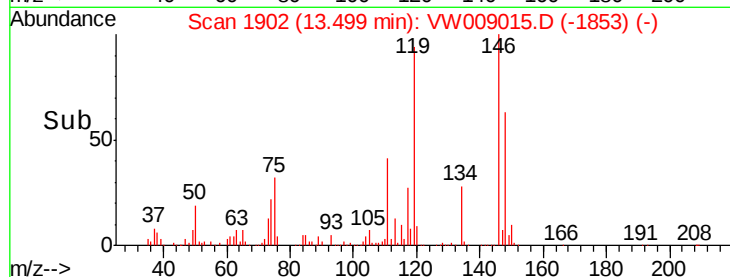
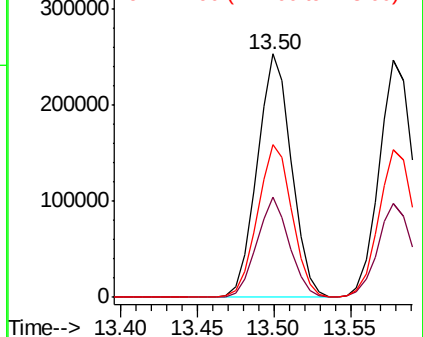
148 63.4 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.963 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

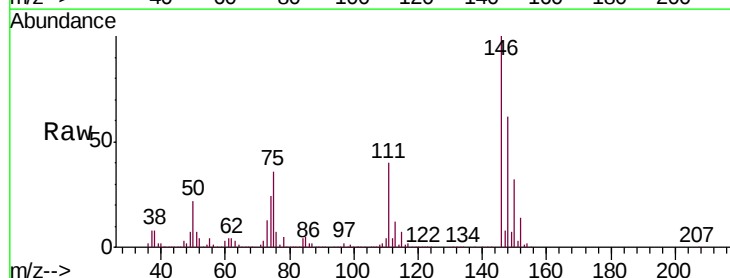
Tgt Ion:146 Resp: 382576

Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.7

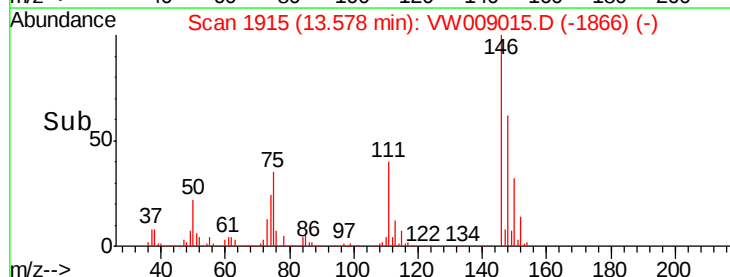
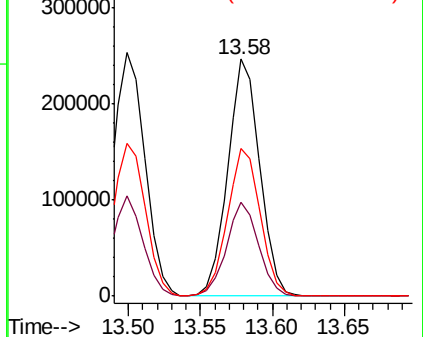
148 63.4 31.7 95.1

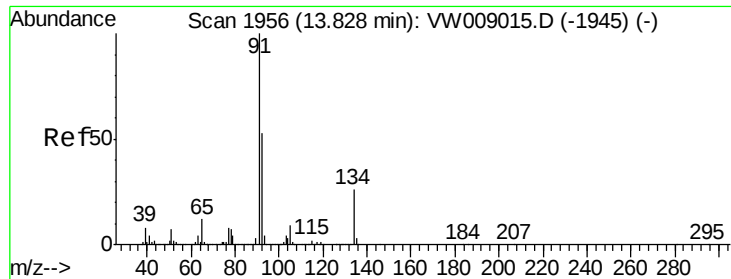


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

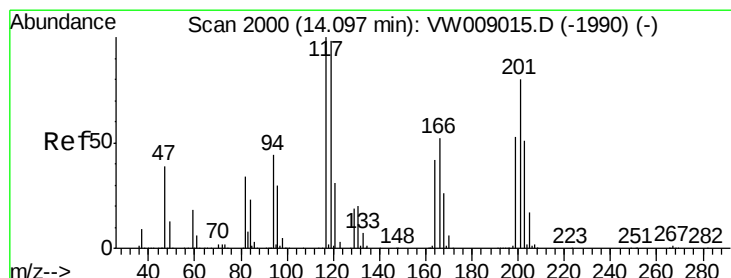
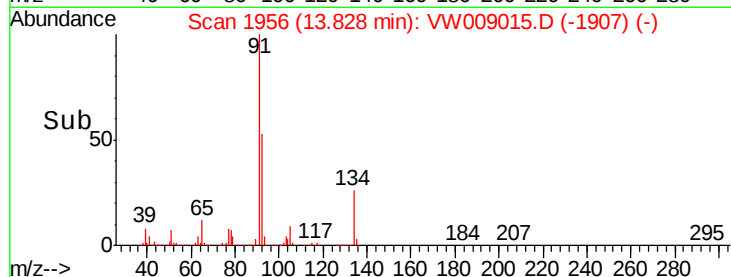
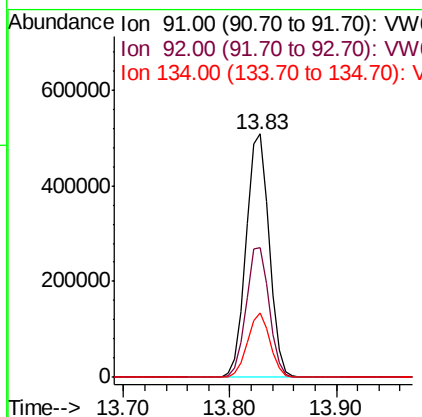
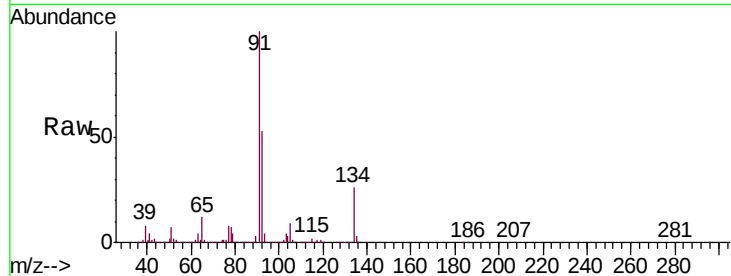




#89
n-Butylbenzene
Concen: 51.771 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

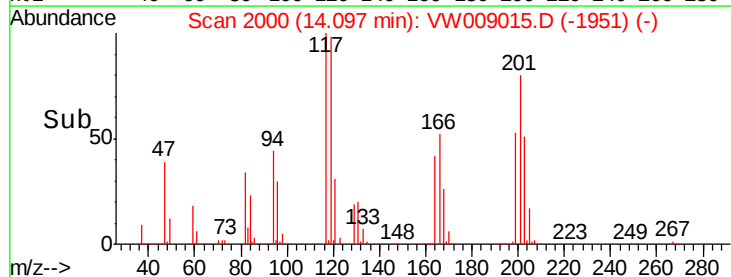
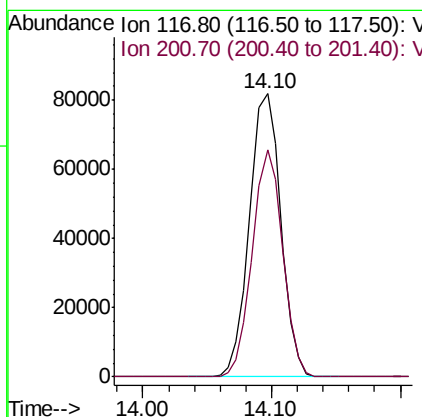
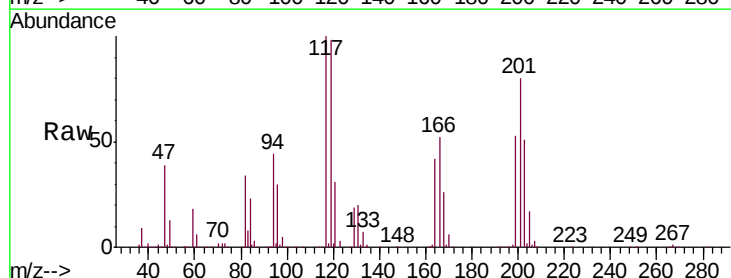
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

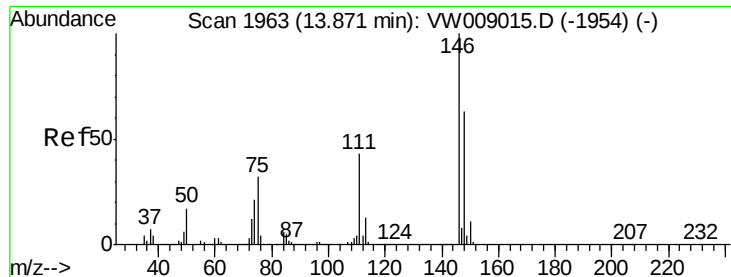
Tgt Ion: 91 Resp: 773584
Ion Ratio Lower Upper
91 100
92 53.3 26.7 80.0
134 26.0 13.0 39.0



#90
Hexachloroethane
Concen: 50.925 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion: 117 Resp: 137698
Ion Ratio Lower Upper
117 100
201 77.7 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 49.876 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

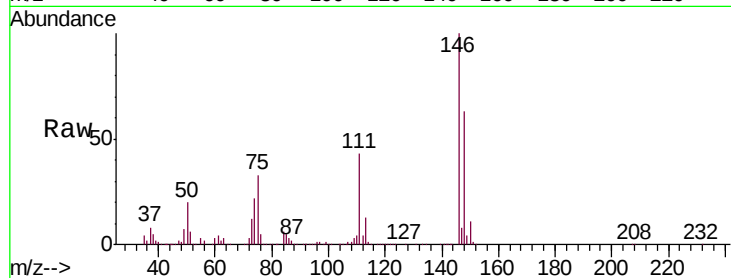
Tgt Ion:146 Resp: 343779

Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.4

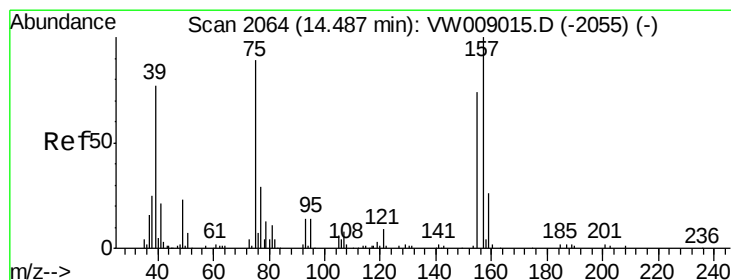
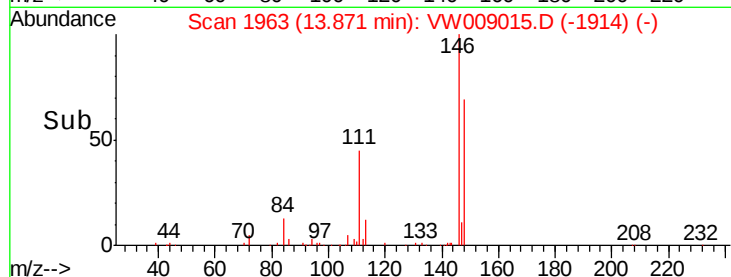
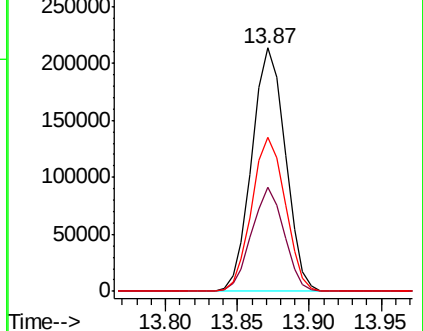
148 63.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.474 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009015.D

Acq: 06 Mar 2019 12:08

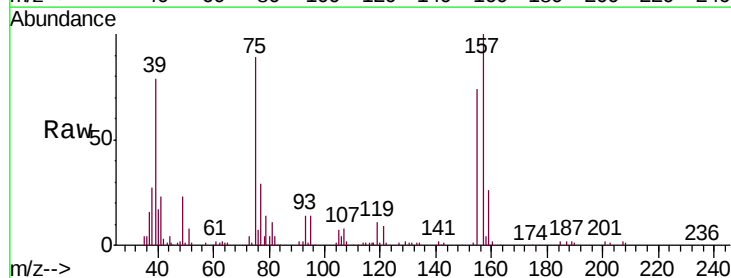
Tgt Ion: 75 Resp: 22464

Ion Ratio Lower Upper

75 100

155 82.9 41.4 124.4

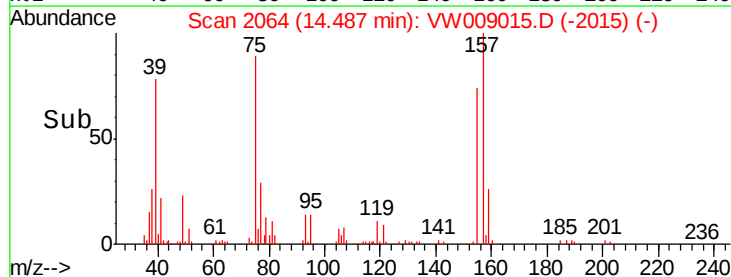
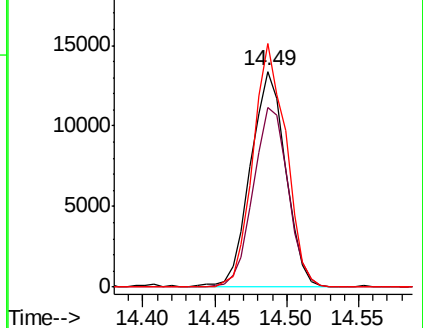
157 106.3 53.1 159.4

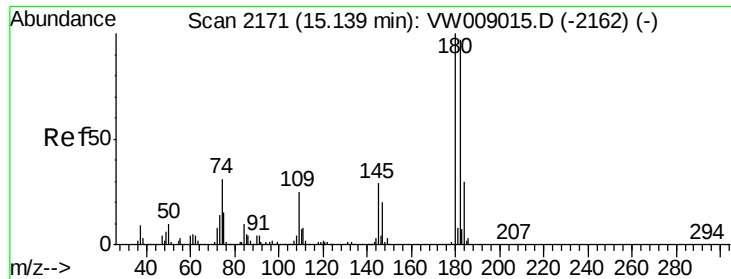


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

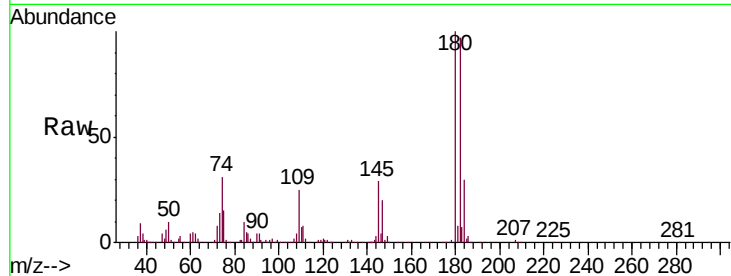




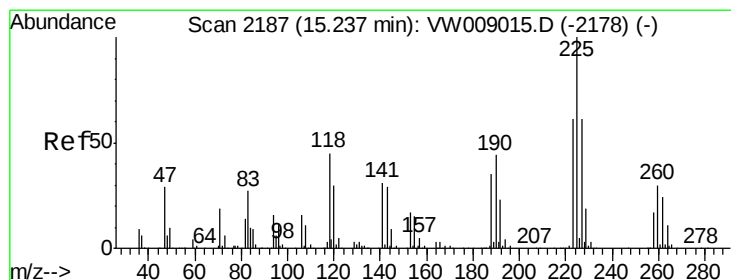
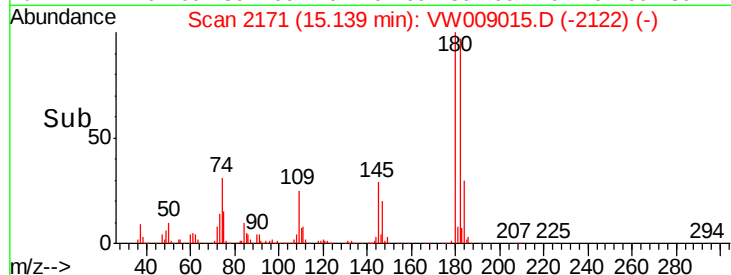
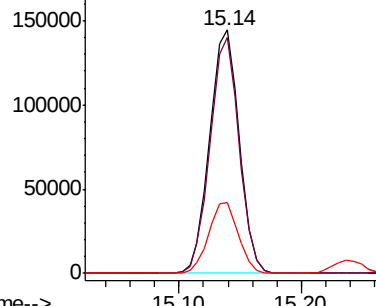
#93
 1,2,4-Trichlorobenzene
 Concen: 51.139 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 241367
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.6 142.9
 145 29.4 14.7 44.1

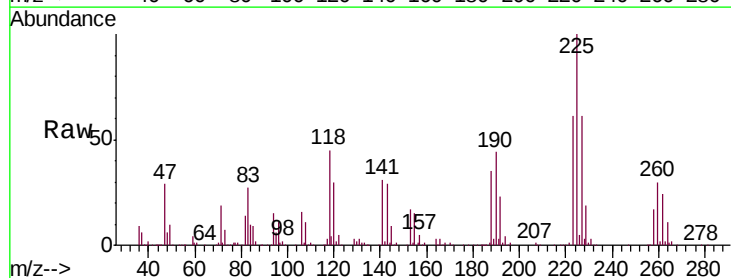


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

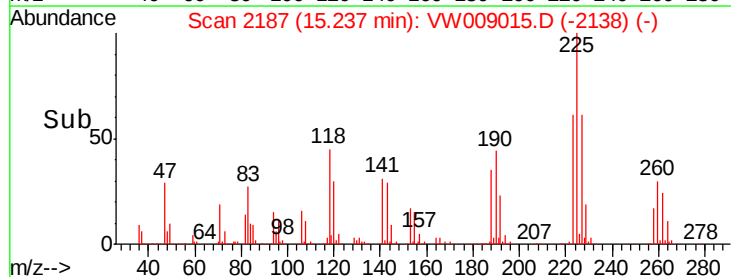
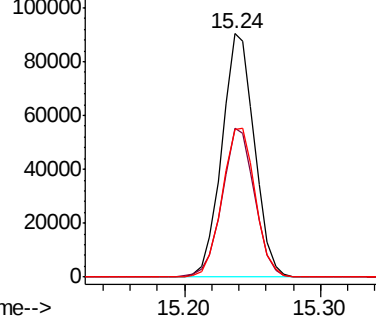


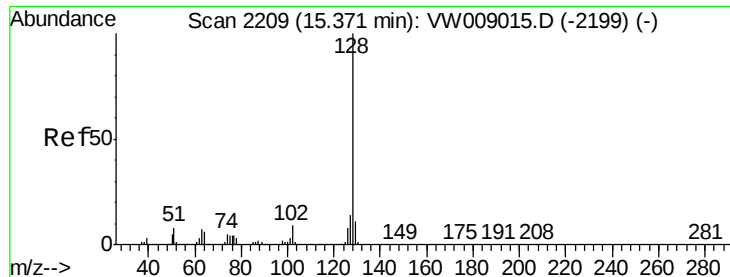
#94
 Hexachlorobutadiene
 Concen: 50.331 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009015.D
 Acq: 06 Mar 2019 12:08

Tgt Ion:225 Resp: 150996
 Ion Ratio Lower Upper
 225 100
 223 61.2 30.6 91.8
 227 62.4 31.2 93.6



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

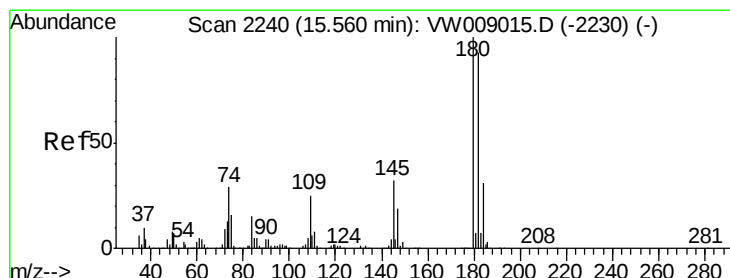
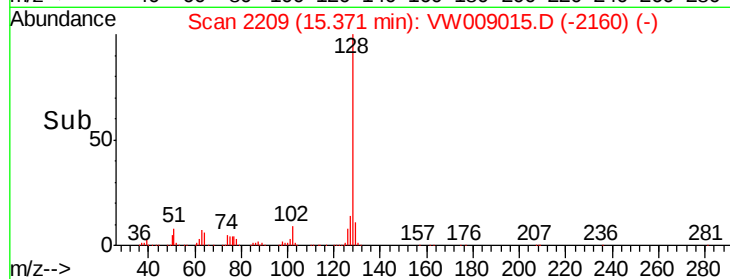
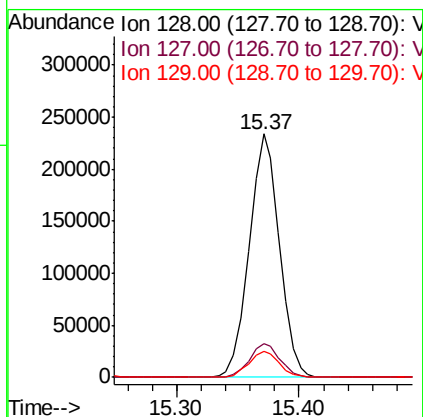
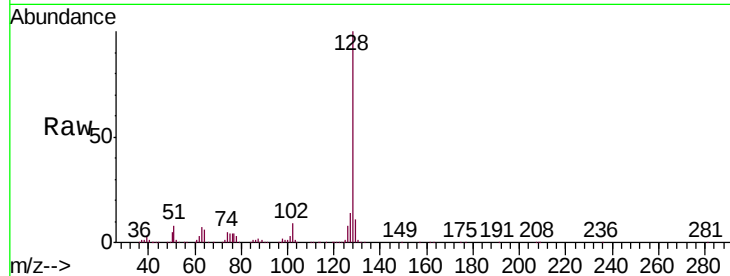




#95
Naphthalene
Concen: 52.412 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 401091
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.4
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.914 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009015.D
Acq: 06 Mar 2019 12:08

Tgt Ion:180 Resp: 208058
Ion Ratio Lower Upper
180 100
182 94.5 47.3 141.8
145 30.8 15.4 46.2

