

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011412.D
 Acq On : 20 Jul 2019 08:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 22 01:01:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	185432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	311997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116899	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.88	113	95919	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	10.32	98	377854	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	138070	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	63243	45.730	ug/l	99
3) Chloromethane	2.21	50	98810	55.448	ug/l	95
4) Vinyl Chloride	2.35	62	122357	52.459	ug/l	98
5) Bromomethane	2.76	94	61172	52.193	ug/l	94
6) Chloroethane	2.91	64	68327	54.388	ug/l	100
7) Trichlorofluoromethane	3.25	101	50198	60.582	ug/l	97
8) Diethyl Ether	3.68	74	67450	58.832	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	107656	54.242	ug/l	98
10) Methyl Iodide	4.27	142	154699	56.672	ug/l	98
11) Tert butyl alcohol	5.17	59	55915	324.131	ug/l	96
12) 1,1-Dichloroethene	4.04	96	114867	55.761	ug/l	95
13) Acrolein	3.89	56	41731	303.794	ug/l	98
14) Allyl chloride	4.66	41	228399	60.802	ug/l	98
15) Acrylonitrile	5.36	53	193317	331.084	ug/l	100
16) Acetone	4.12	43	164259	292.990	ug/l	98
17) Carbon Disulfide	4.38	76	325205	52.073	ug/l	99
18) Methyl Acetate	4.67	43	109657	69.327	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	193183	61.806	ug/l	99
20) Methylene Chloride	4.92	84	128004	57.877	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	121923	56.960	ug/l	97
22) Diisopropyl ether	6.31	45	474332	58.709	ug/l	99
23) Vinyl Acetate	6.25	43	1470342	294.063	ug/l	99
24) 1,1-Dichloroethane	6.21	63	248012	58.458	ug/l	99
25) 2-Butanone	7.17	43	278904	316.922	ug/l	98
26) 2,2-Dichloropropane	7.17	77	115009	52.150	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	135276	58.587	ug/l	100
28) Bromochloromethane	7.51	49	96273	49.906	ug/l	99
29) Tetrahydrofuran	7.52	42	183419	317.856	ug/l	99
30) Chloroform	7.67	83	224380	57.108	ug/l	99
31) Cyclohexane	7.95	56	236862	52.478	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	171798	57.480	ug/l	99
36) 1,1-Dichloropropene	8.08	75	182664	54.978	ug/l	100
37) Ethyl Acetate	7.25	43	121208	60.718	ug/l	99
38) Carbon Tetrachloride	8.07	117	155090	55.064	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	223793	55.573	ug/l	98
40) Benzene	8.32	78	520505	56.687	ug/l	100
41) Methacrylonitrile	7.48	41	76449	66.960	ug/l	93
42) 1,2-Dichloroethane	8.40	62	166891	56.030	ug/l	99
43) Isopropyl Acetate	8.42	43	224800	59.647	ug/l	100
44) Trichloroethene	9.09	130	125393	56.750	ug/l	99
45) 1,2-Dichloropropane	9.37	63	143339	57.648	ug/l	99
46) Dibromomethane	9.46	93	67485	57.778	ug/l	98
47) Bromodichloromethane	9.64	83	169677	56.775	ug/l	100
48) Methyl methacrylate	9.43	41	111638	61.570	ug/l	97
49) 1,4-Dioxane	9.45	88	25010	1282.812	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	612190	310.953	ug/l	100
52) Toluene	10.39	92	316433	56.811	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	170960	53.742	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	200758	53.616	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	96002	57.937	ug/l	98
56) Ethyl methacrylate	10.65	69	151358	59.997	ug/l	98
57) 1,3-Dichloropropane	10.93	76	182024	58.091	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	322811	276.012	ug/l	99
59) 2-Hexanone	10.97	43	417189	305.559	ug/l	99
60) Dibromochloromethane	11.13	129	104458	57.488	ug/l	100
61) 1,2-Dibromoethane	11.23	107	92574	58.980	ug/l	100
64) Tetrachloroethene	10.86	164	116786	62.828	ug/l	98
65) Chlorobenzene	11.66	112	315674	56.364	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	112619	57.110	ug/l	99
67) Ethyl Benzene	11.73	91	611655	57.049	ug/l	98
68) m/p-Xylenes	11.84	106	439697	113.338	ug/l	100
69) o-Xylene	12.16	106	209184	57.209	ug/l	100
70) Styrene	12.18	104	365632	57.940	ug/l	99
71) Bromoform	12.35	173	61309	58.475	ug/l #	98
73) Isopropylbenzene	12.46	105	579042	58.617	ug/l	99
74) N-amyl acetate	12.27	43	199733	58.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121346	59.927	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	154489	101.165	ug/l #	100
77) Bromobenzene	12.75	156	128264	57.858	ug/l	99
78) n-propylbenzene	12.80	91	695820	57.181	ug/l	99
79) 2-Chlorotoluene	12.89	91	397554	56.773	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	487312	58.068	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33980	50.328	ug/l	99
82) 4-Chlorotoluene	12.99	91	412690	56.583	ug/l	100
83) tert-Butylbenzene	13.21	119	411944	58.858	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	481733	57.167	ug/l	100
85) sec-Butylbenzene	13.38	105	579534	57.384	ug/l	100
86) p-Isopropyltoluene	13.50	119	518238	57.212	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	242256	56.797	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	240141	55.911	ug/l	99
89) n-Butylbenzene	13.82	91	501583	55.508	ug/l	99
90) Hexachloroethane	14.10	117	93674	56.592	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	221429	57.224	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21313	59.339	ug/l	99

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QLast Update : Thu Jul 11 08:14:17 2019
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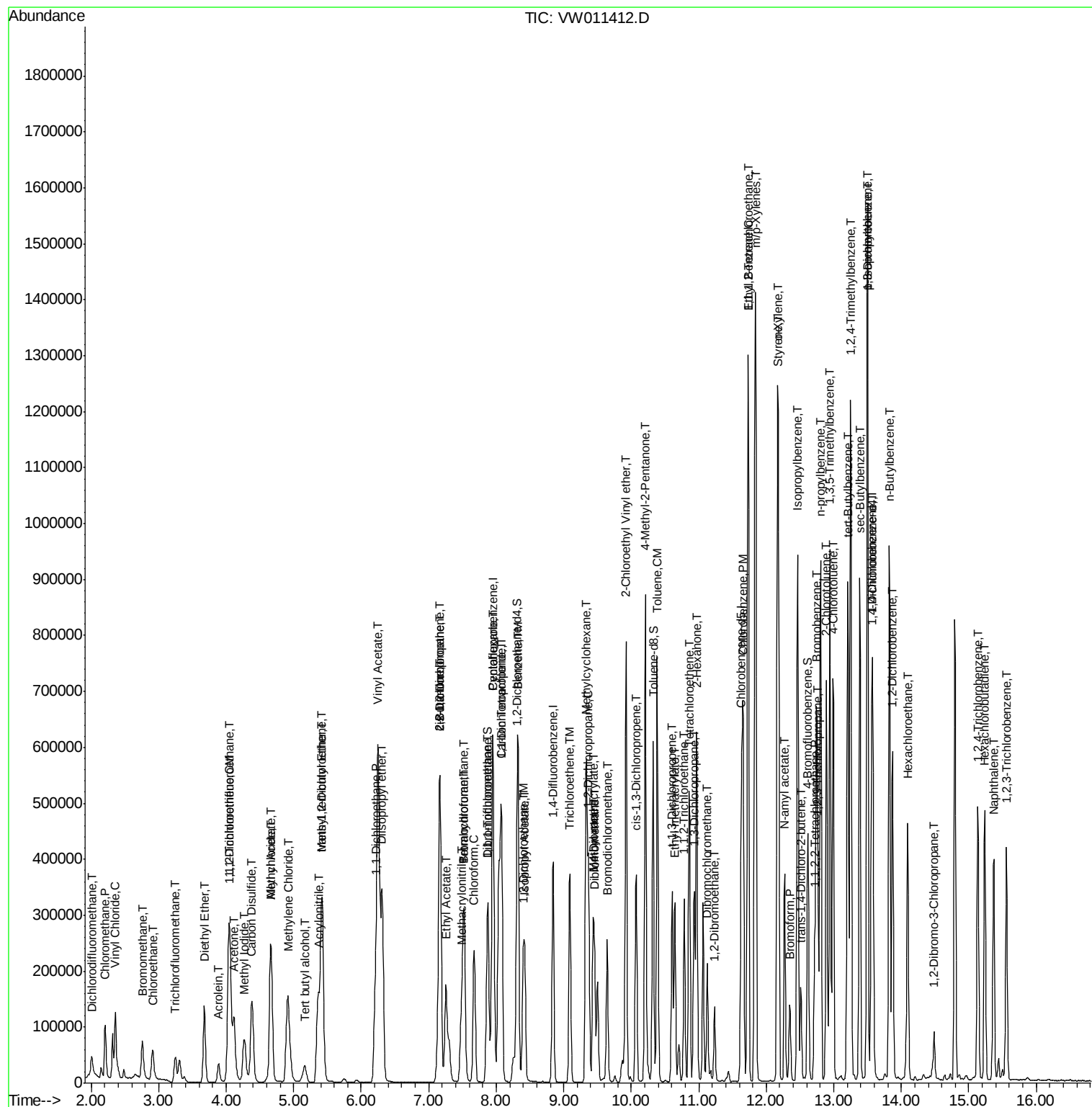
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	153759	57.691	ug/l	98
94) Hexachlorobutadiene	15.24	225	94423	57.706	ug/l	99
95) Naphthalene	15.37	128	331581	64.923	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	139302	59.222	ug/l	100

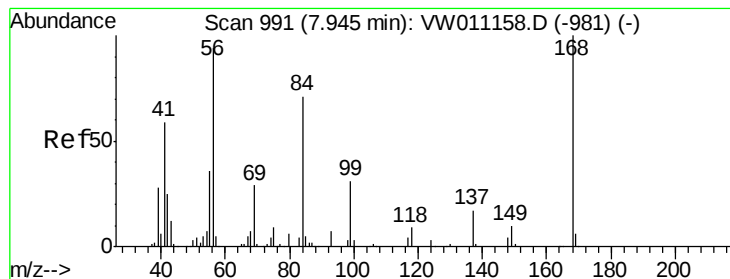
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

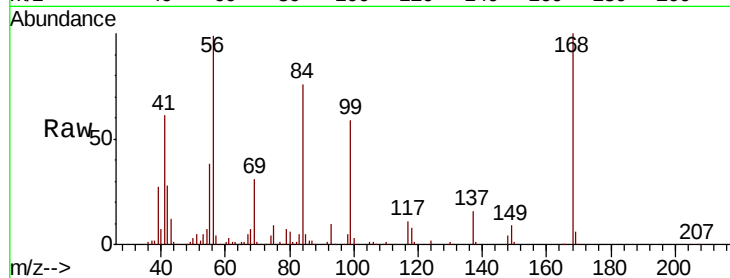
VSTDCCC050EC

Tot Ion:168 Resp: 185432

Ion Ratio Lower Upper

168 100

99 58.9 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

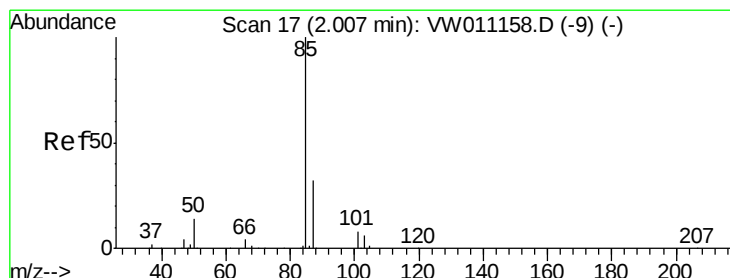
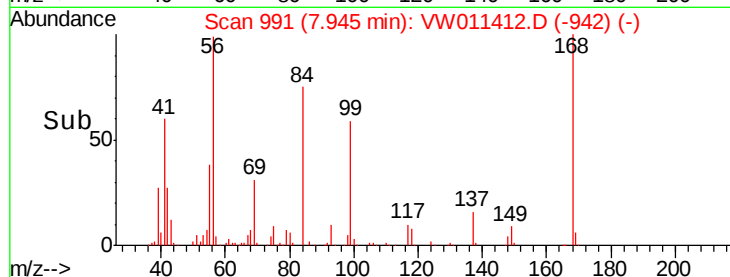
40000

20000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 45.730 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011412.D

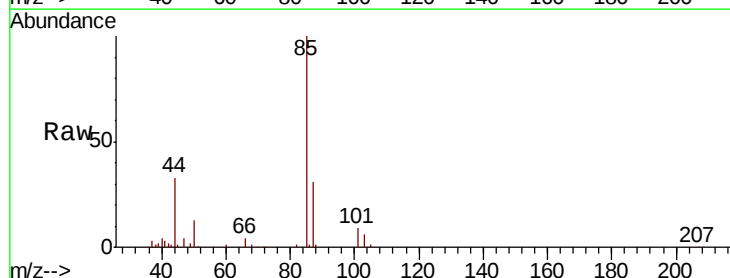
Acq: 20 Jul 2019 08:49

Tgt Ion: 85 Resp: 63243

Ion Ratio Lower Upper

85 100

87 31.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

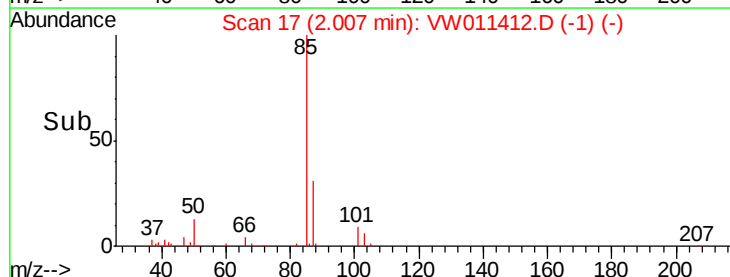
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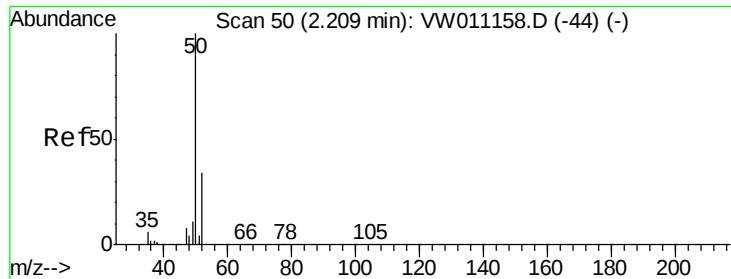
5000

0

Time-->

1.90 2.00 2.10 2.20 2.30

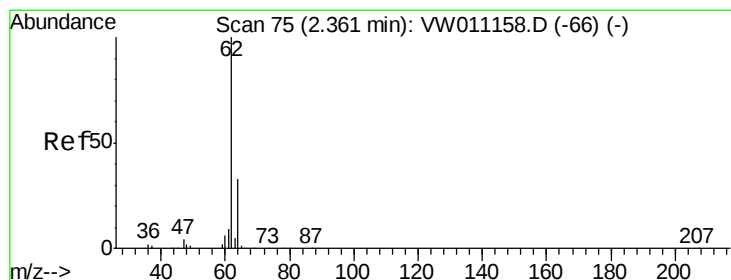
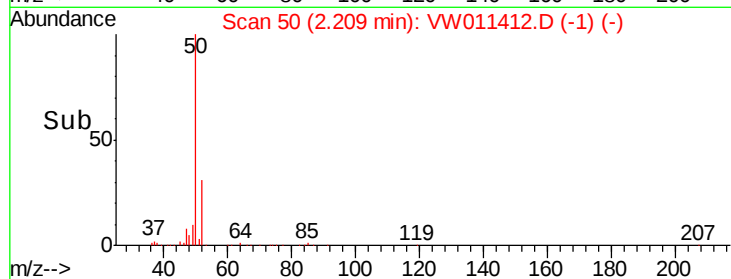
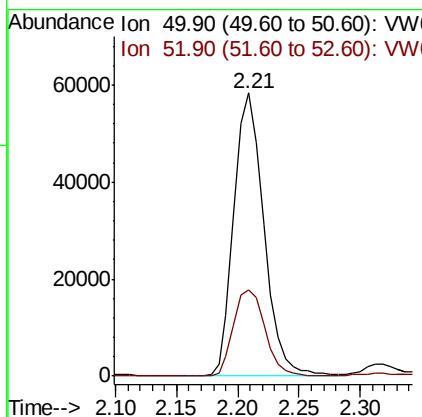
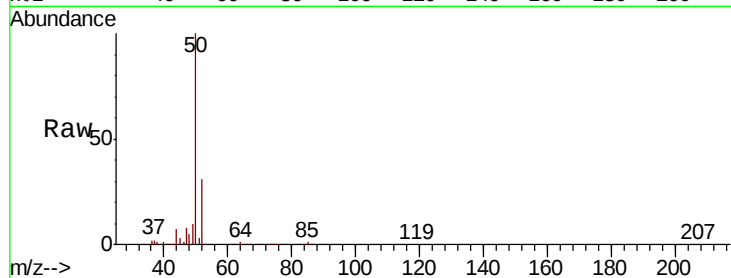




#3
Chloromethane
Concen: 55.448 ug/l
RT: 2.21 min Scan# 50
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

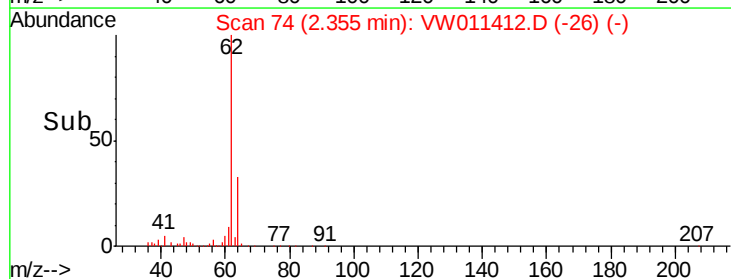
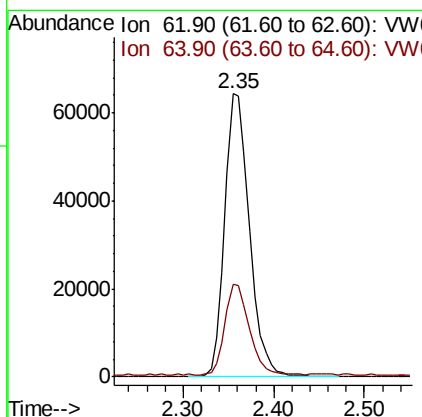
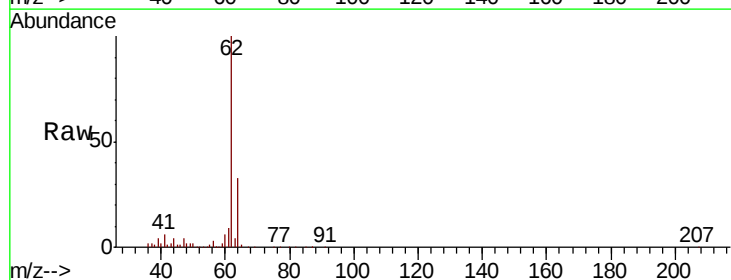
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

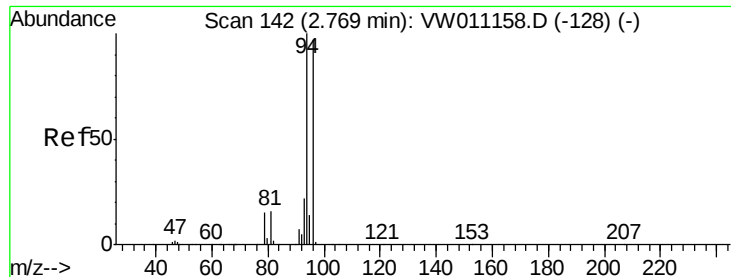
Tot Ion: 50 Resp: 98810
Ion Ratio Lower Upper
50 100
52 30.7 26.9 40.3



#4
Vinyl Chloride
Concen: 52.459 ug/l
RT: 2.35 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 62 Resp: 122357
Ion Ratio Lower Upper
62 100
64 32.0 26.6 40.0





#5

Bromomethane

Concen: 52.193 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

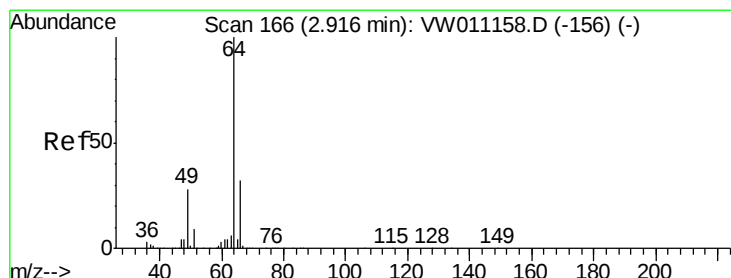
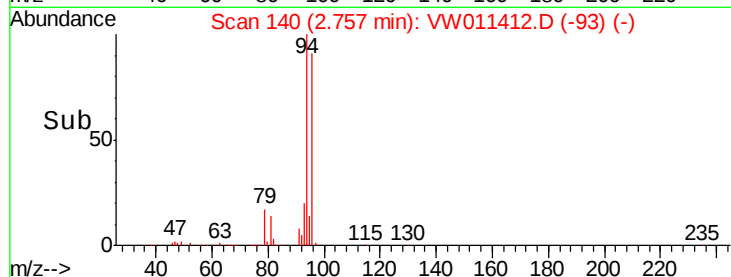
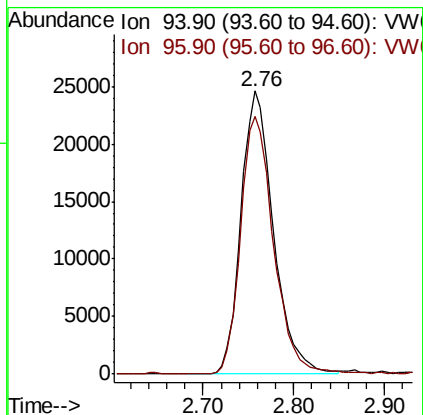
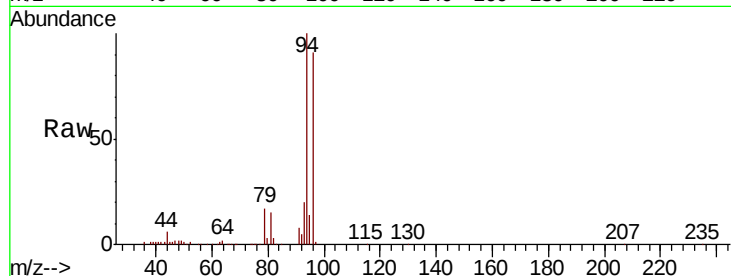
VSTDCCC050EC

Tot Ion: 94 Resp: 61172

Ion Ratio Lower Upper

94 100

96 91.2 77.4 116.0



#6

Chloroethane

Concen: 54.388 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011412.D

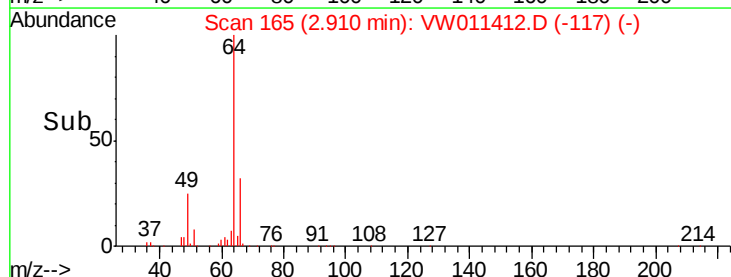
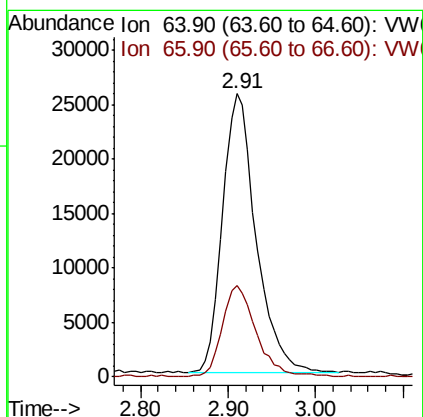
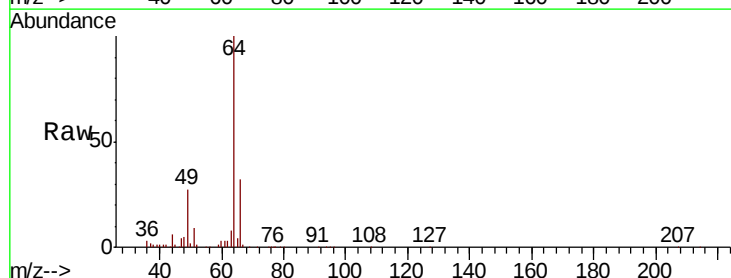
Acq: 20 Jul 2019 08:49

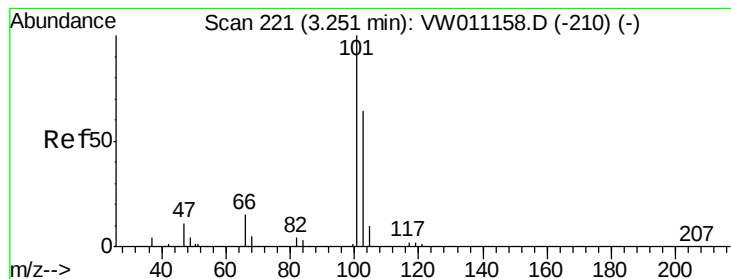
Tgt Ion: 64 Resp: 68327

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.8



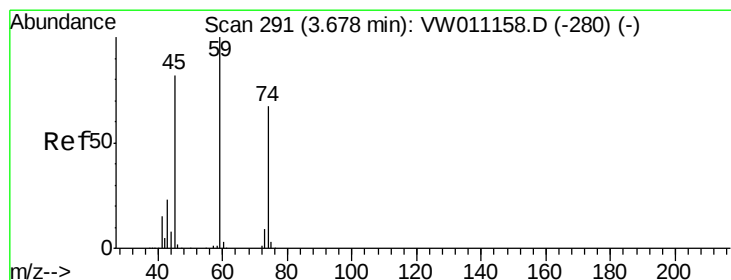
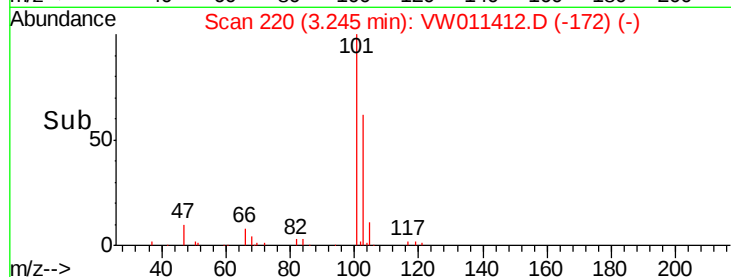
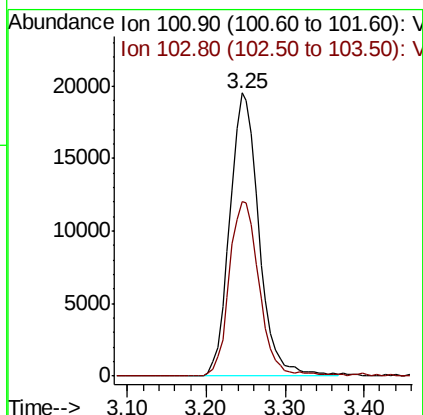
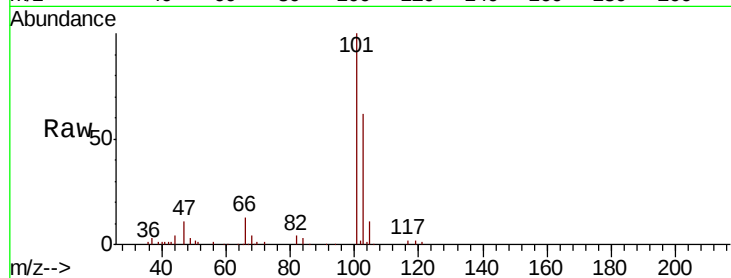


#7

Trichlorofluoromethane
Concen: 60.582 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
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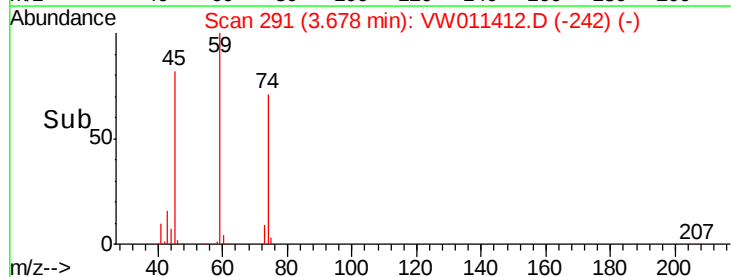
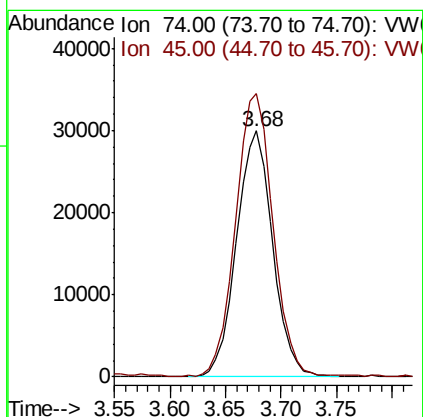
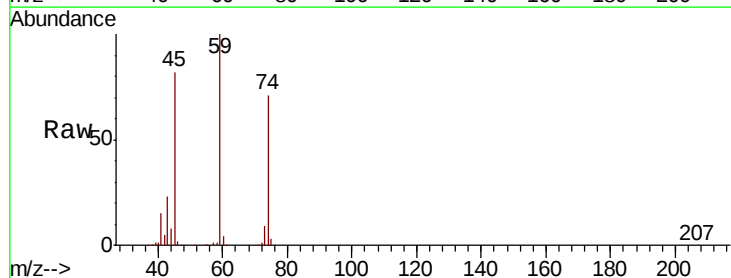
Tot Ion:101 Resp: 50198
Ion Ratio Lower Upper
101 100
103 61.9 51.3 76.9

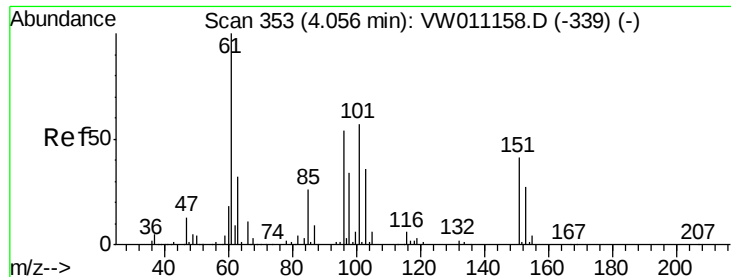


#8

Diethyl Ether
Concen: 58.832 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 74 Resp: 67450
Ion Ratio Lower Upper
74 100
45 118.2 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.242 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

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MSVOA_W

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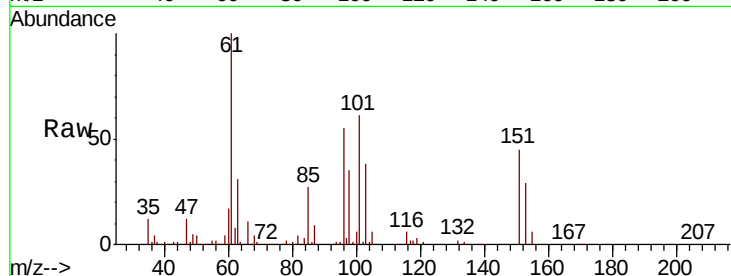
Tot Ion:101 Resp: 107656

Ion Ratio Lower Upper

101 100

85 44.8 36.5 54.7

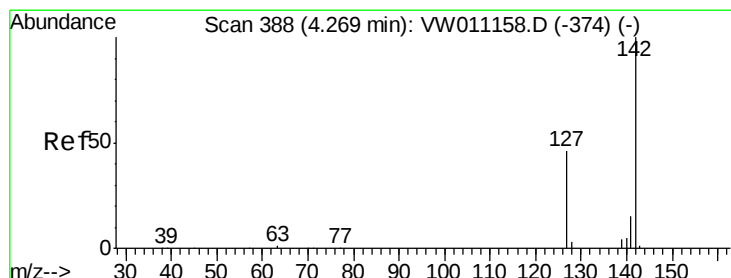
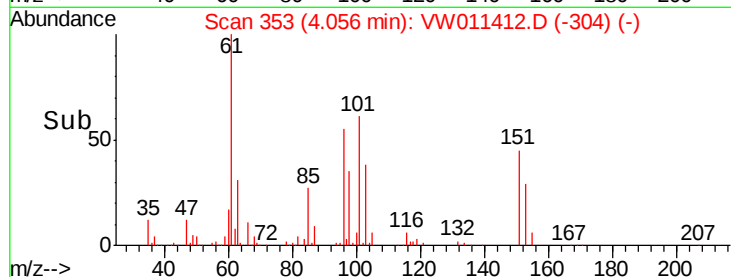
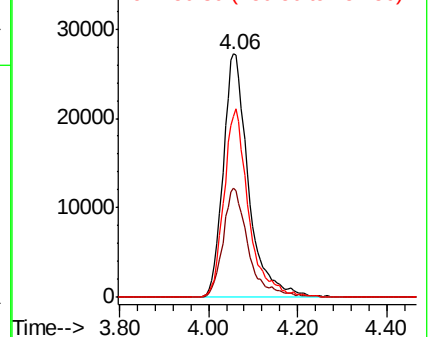
151 75.4 59.1 88.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.672 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

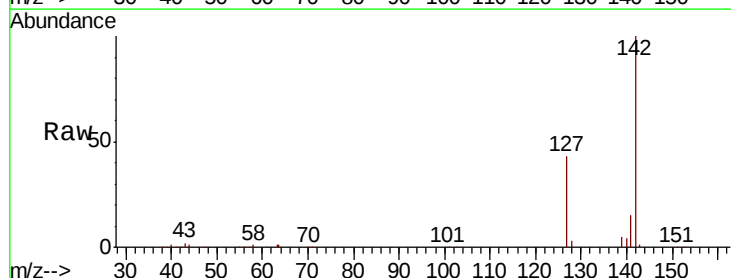
Tgt Ion:142 Resp: 154699

Ion Ratio Lower Upper

142 100

127 43.5 35.7 53.5

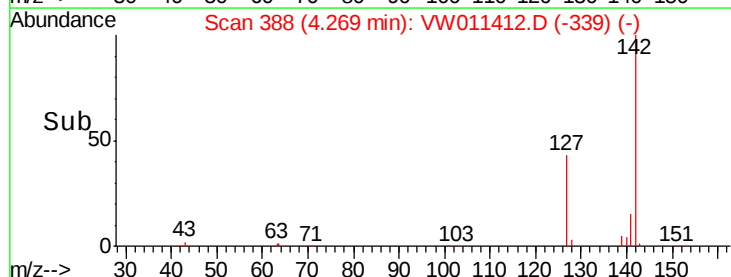
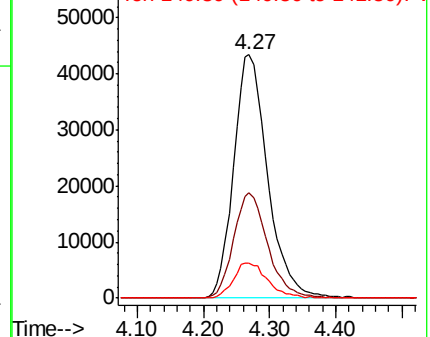
141 14.8 11.5 17.3

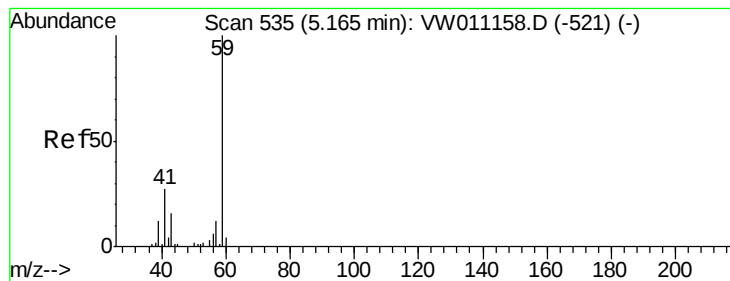


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



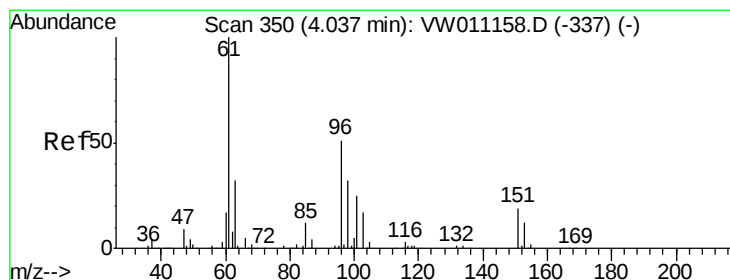
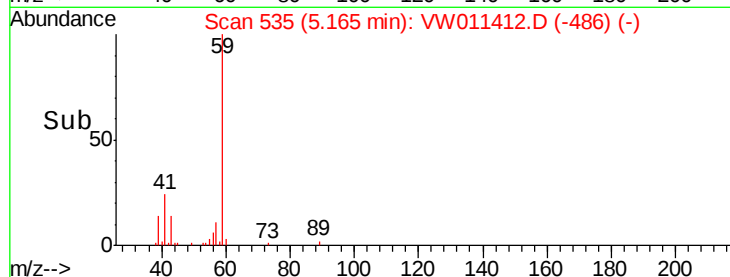
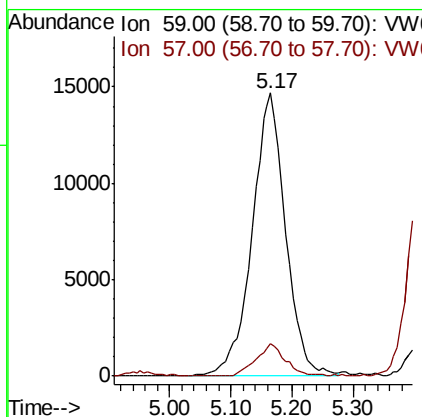
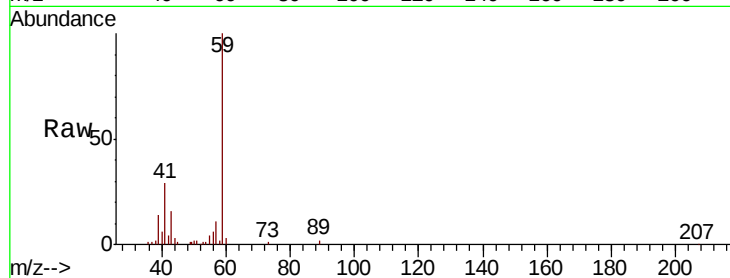


#11

Tert butyl alcohol
Concen: 324.131 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

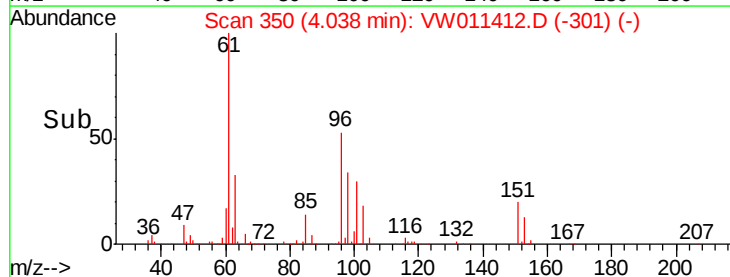
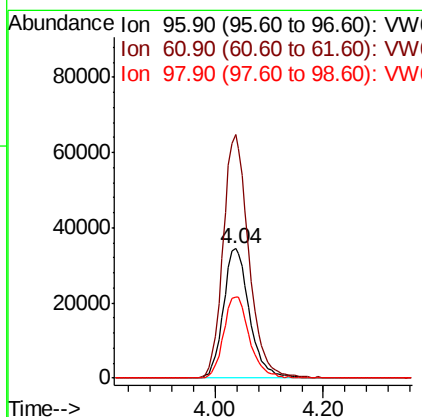
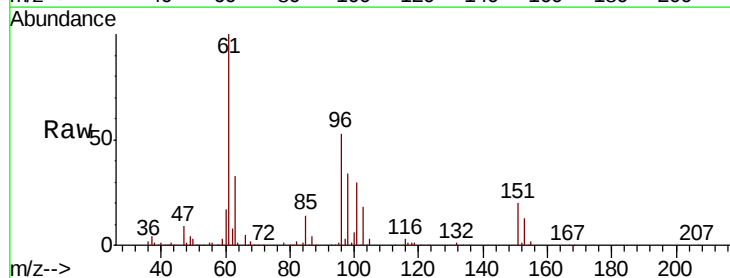
Tot Ion: 59 Resp: 55915
Ion Ratio Lower Upper
59 100
57 10.0 9.0 13.6

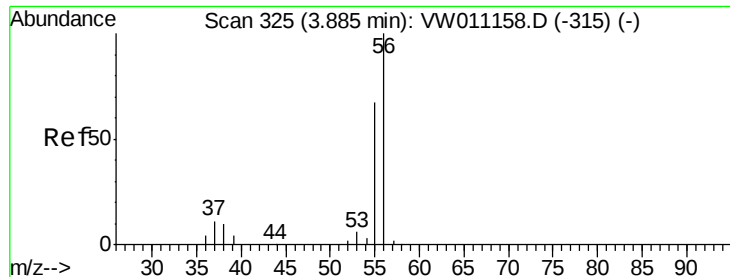


#12

1,1-Dichloroethene
Concen: 55.761 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 96 Resp: 114867
Ion Ratio Lower Upper
96 100
61 187.8 157.7 236.5
98 63.0 50.9 76.3

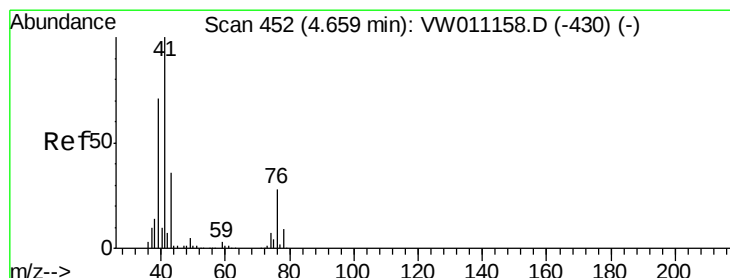
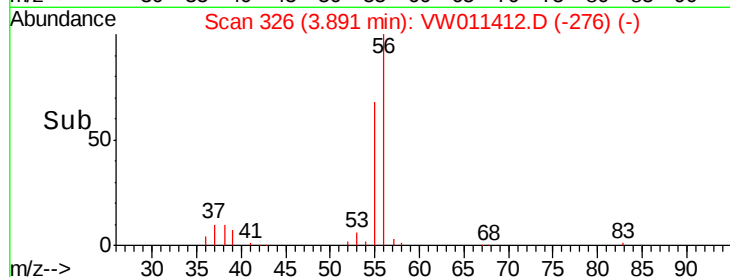
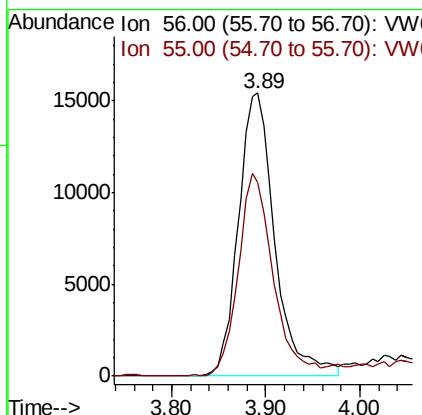
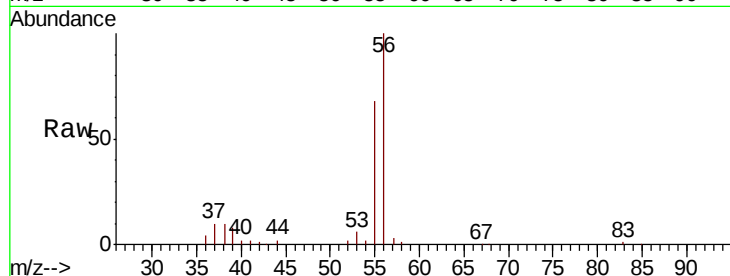




#13
Acrolein
Concen: 303.794 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

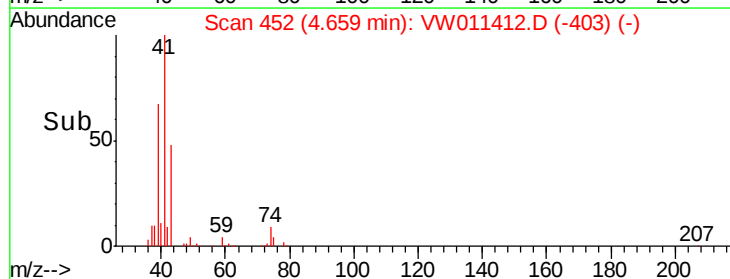
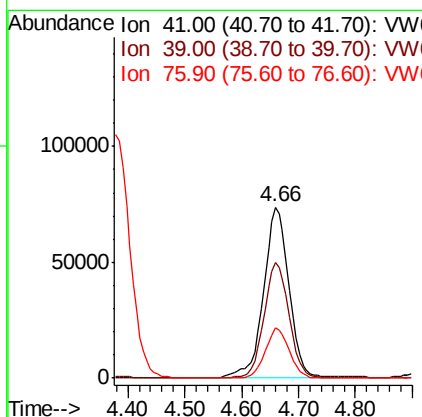
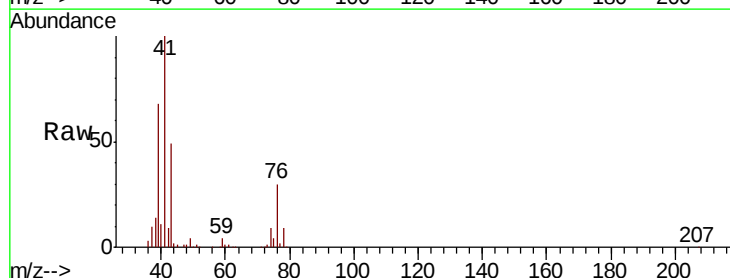
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

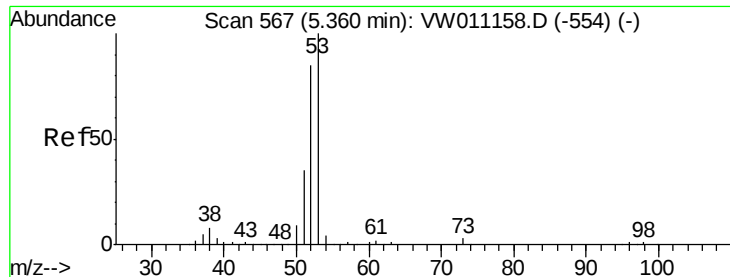
Tot Ion: 56 Resp: 41731
Ion Ratio Lower Upper
56 100
55 68.7 56.4 84.6



#14
Allyl chloride
Concen: 60.802 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 41 Resp: 228399
Ion Ratio Lower Upper
41 100
39 66.8 55.1 82.7
76 27.3 22.5 33.7





#15

Acrylonitrile

Concen: 331.084 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

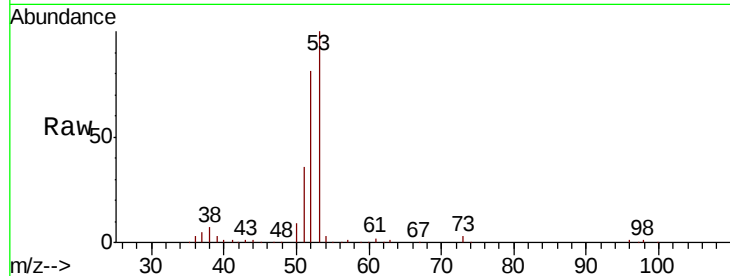
Tot Ion: 53 Resp: 193317

Ion Ratio Lower Upper

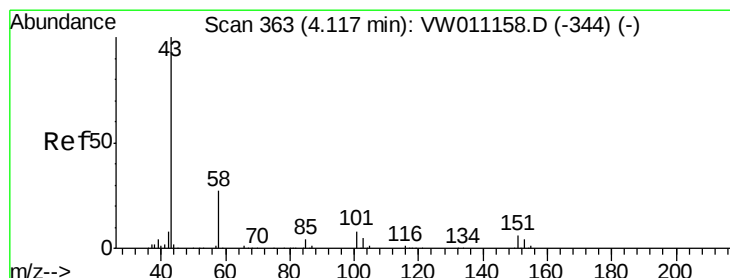
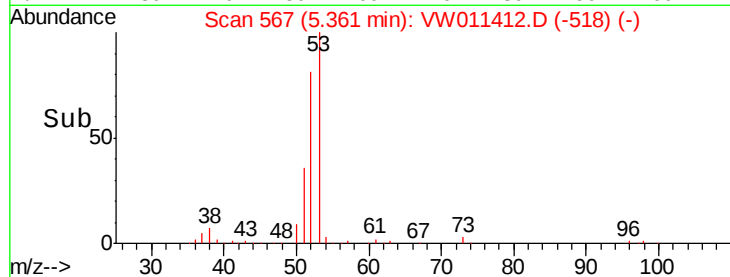
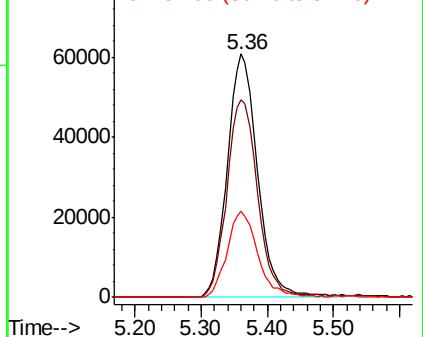
53 100

52 83.2 66.2 99.4

51 36.1 29.1 43.7



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



#16

Acetone

Concen: 292.990 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011412.D

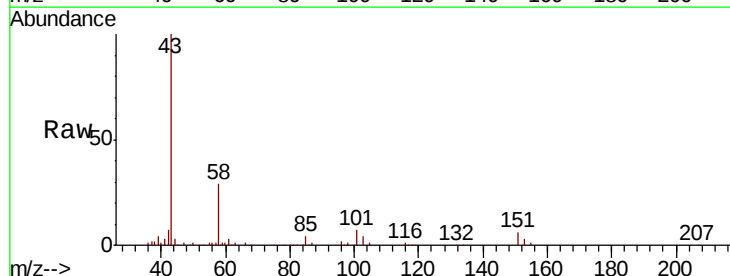
Acq: 20 Jul 2019 08:49

Tgt Ion: 43 Resp: 164259

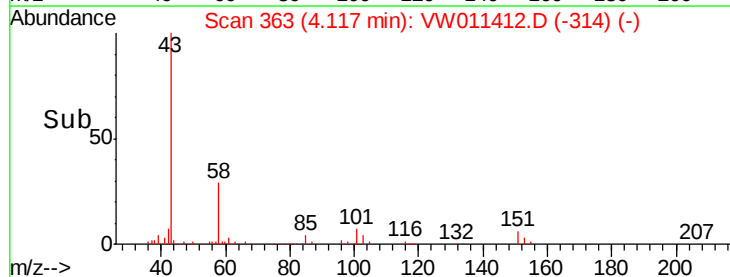
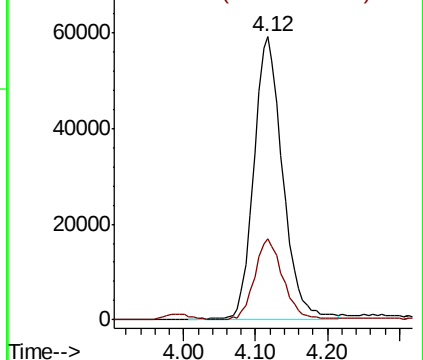
Ion Ratio Lower Upper

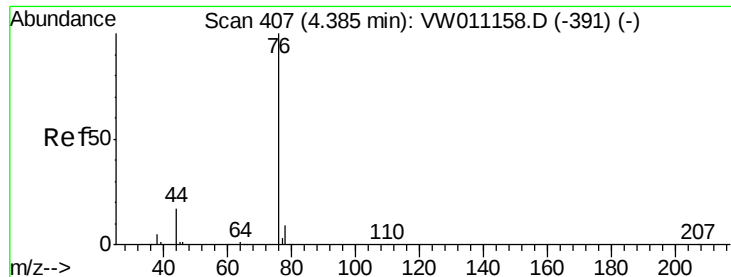
43 100

58 28.1 21.8 32.6



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





#17

Carbon Disulfide

Concen: 52.073 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

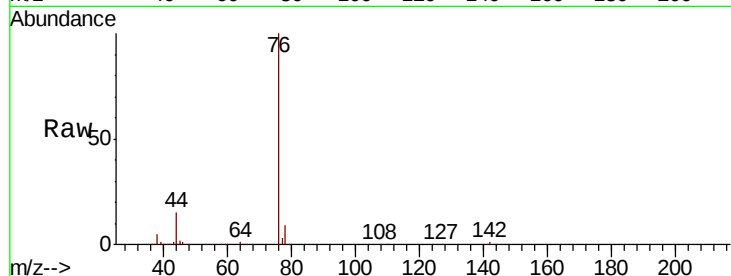
VSTDCCC050EC

Tot Ion: 76 Resp: 325205

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

120000

100000

80000

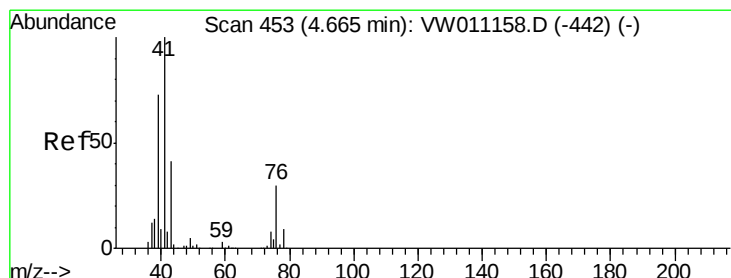
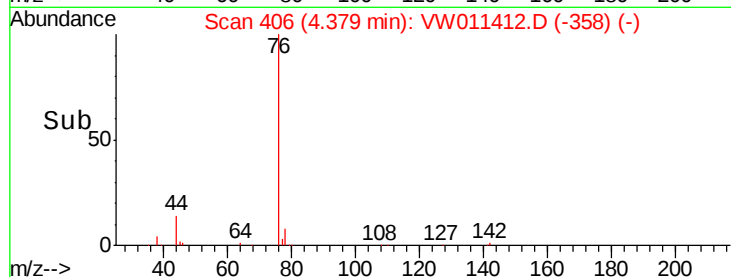
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 69.327 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011412.D

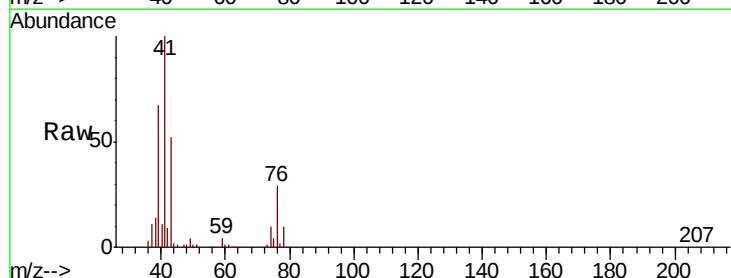
Acq: 20 Jul 2019 08:49

Tgt Ion: 43 Resp: 109657

Ion Ratio Lower Upper

43 100

74 19.5 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

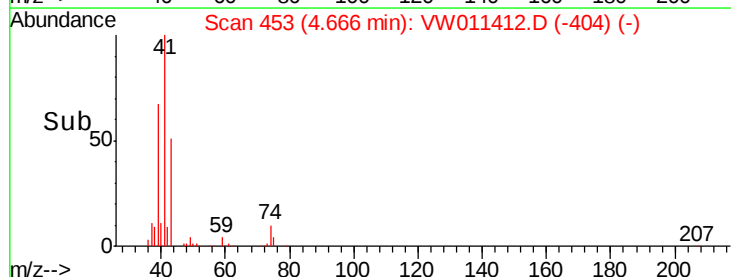
30000

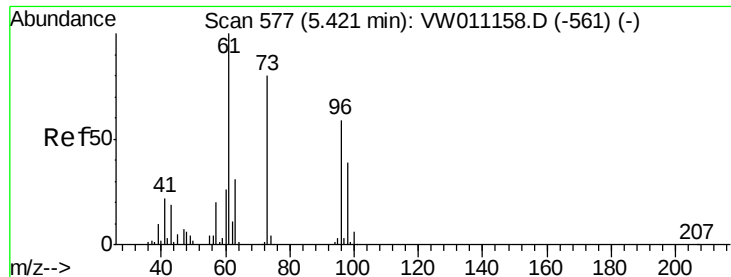
20000

10000

0

Time--> 4.50 4.60 4.70 4.80

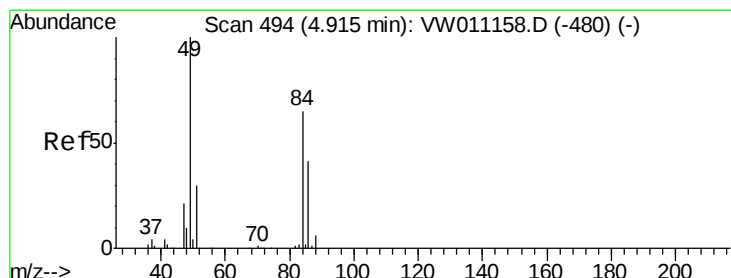
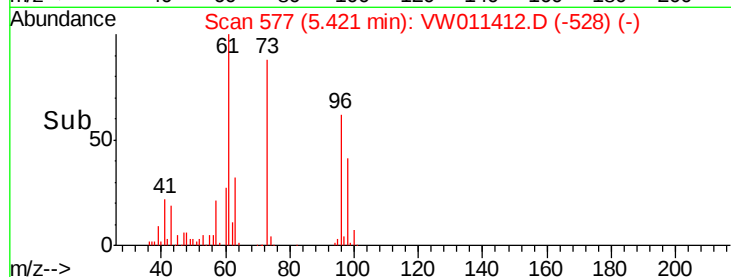
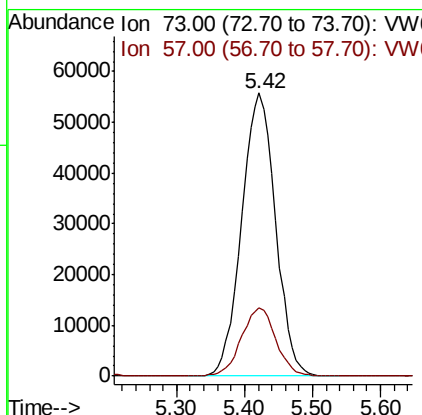
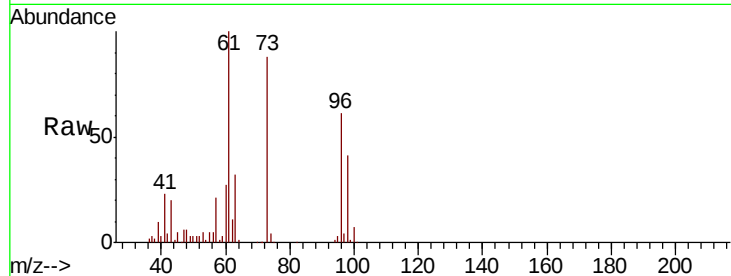




#19
Methyl tert-butyl Ether
Concen: 61.806 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

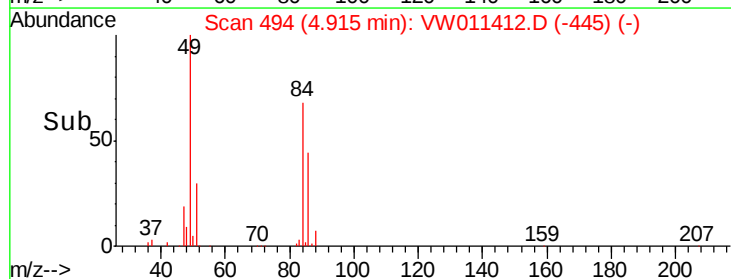
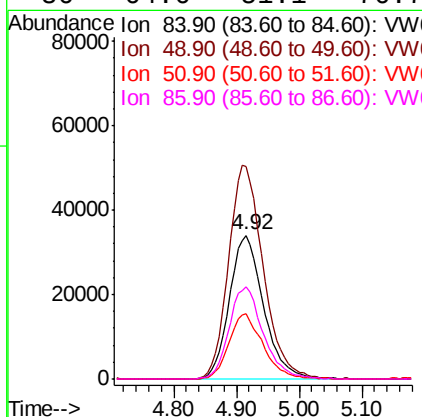
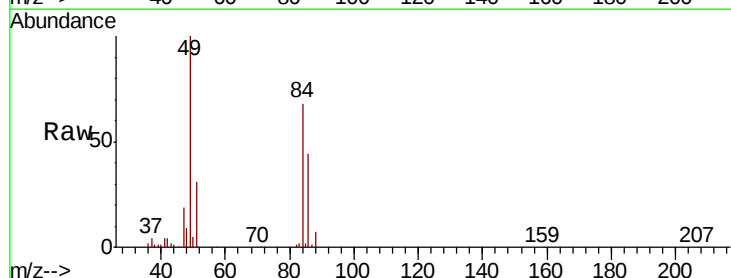
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

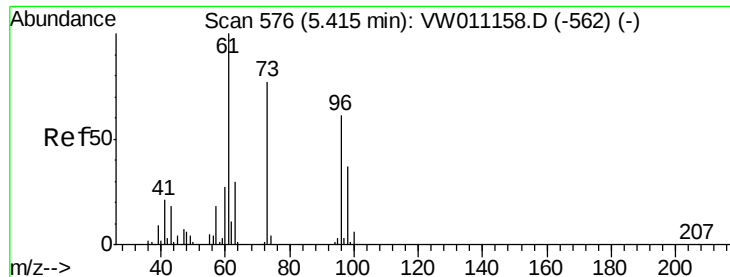
Tot Ion: 73 Resp: 193183
Ion Ratio Lower Upper
73 100
57 24.2 19.7 29.5



#20
Methylene Chloride
Concen: 57.877 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 84 Resp: 128004
Ion Ratio Lower Upper
84 100
49 147.9 123.8 185.6
51 45.2 37.4 56.2
86 64.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 56.960 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

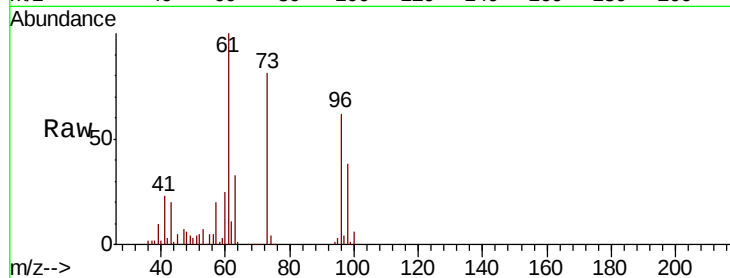
Tot Ion: 96 Resp: 121923

Ion Ratio Lower Upper

96 100

61 160.2 132.2 198.2

98 60.4 49.4 74.0

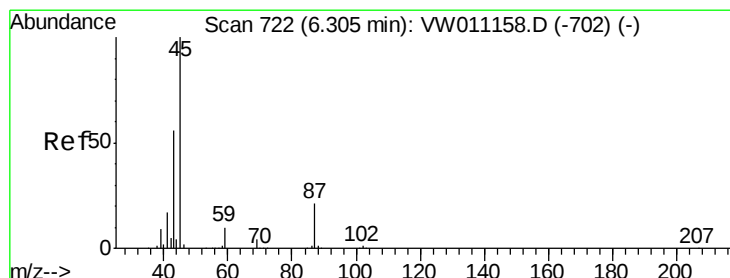
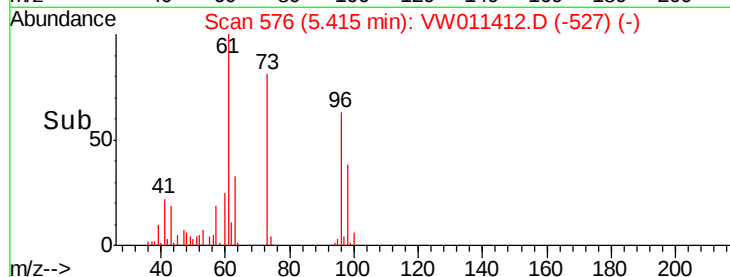
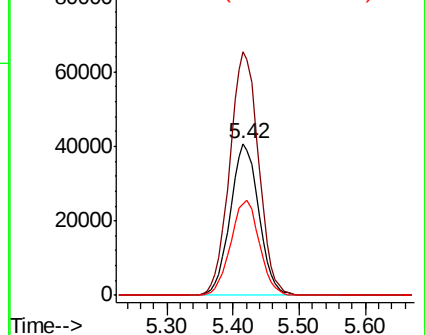


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 58.709 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion: 45 Resp: 474332

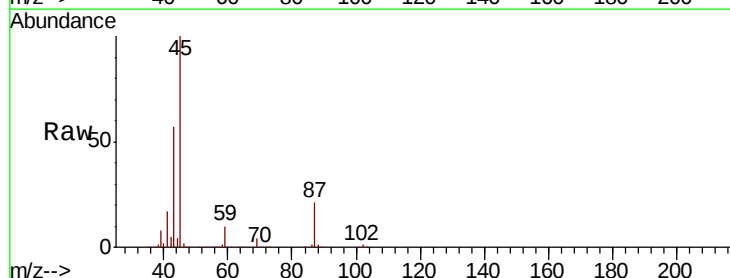
Ion Ratio Lower Upper

45 100

43 56.7 44.6 66.8

87 20.9 17.3 25.9

59 10.3 8.2 12.2



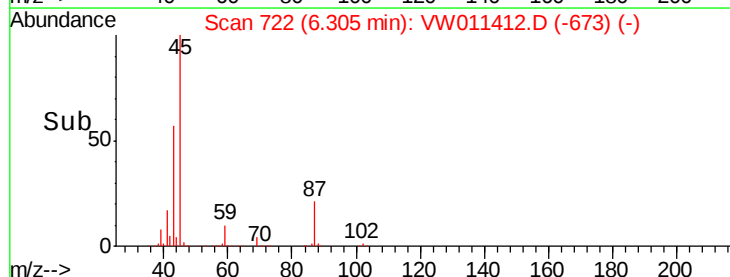
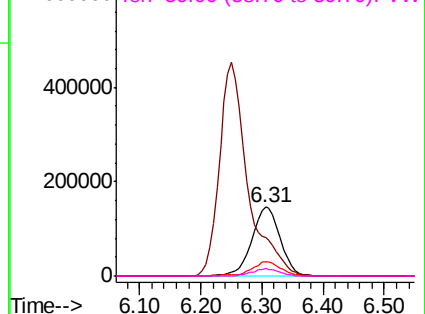
Abundance

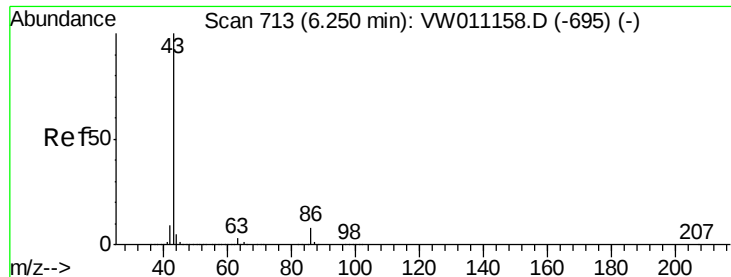
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 294.063 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

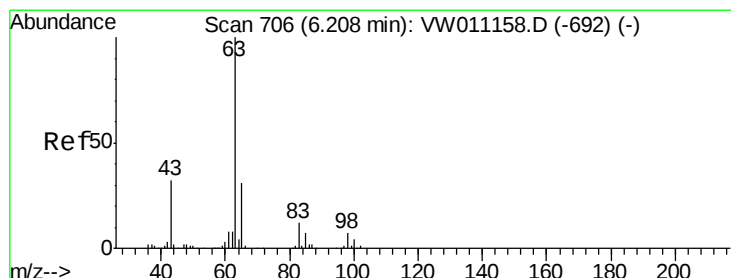
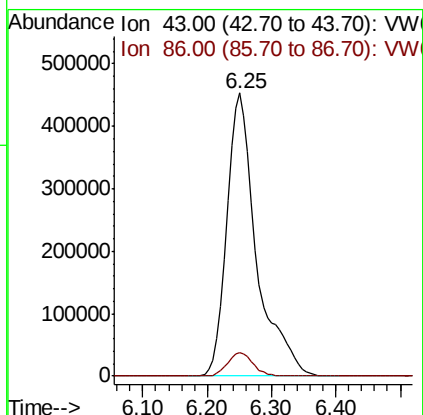
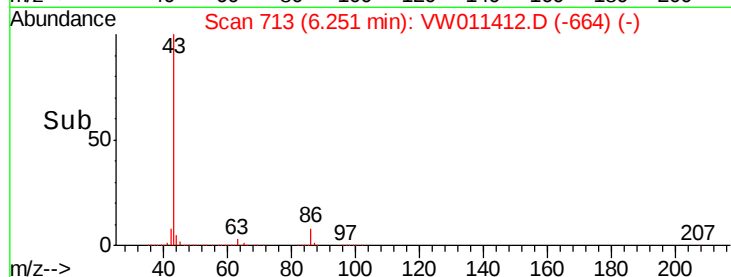
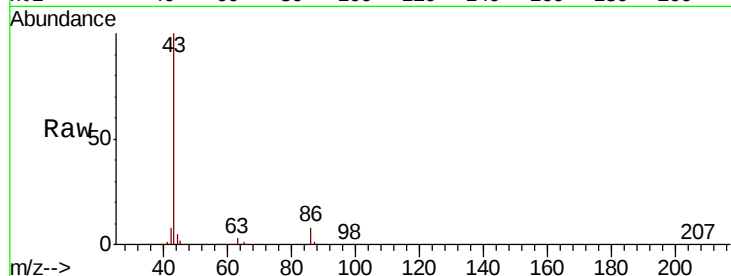
VSTDCCC050EC

Tot Ion: 43 Resp: 1470342

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



#24

1,1-Dichloroethane

Concen: 58.458 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

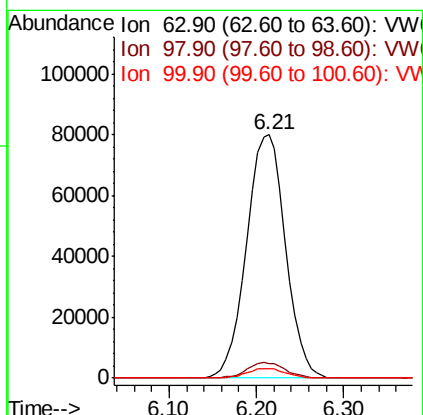
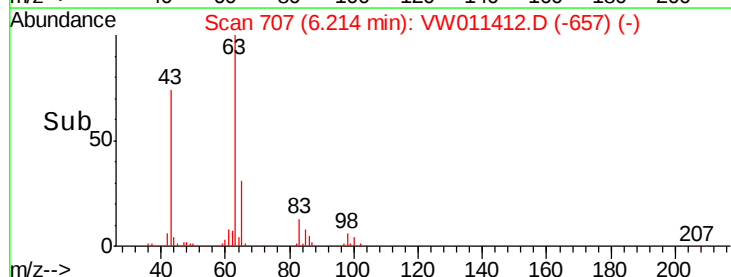
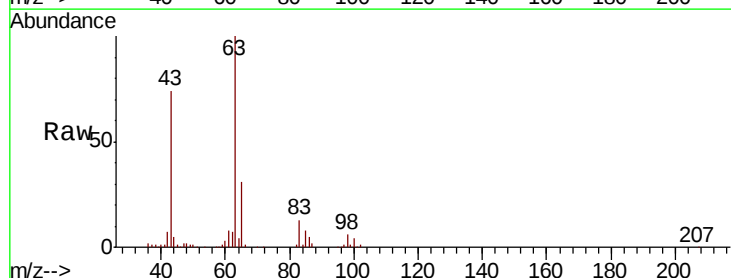
Tgt Ion: 63 Resp: 248012

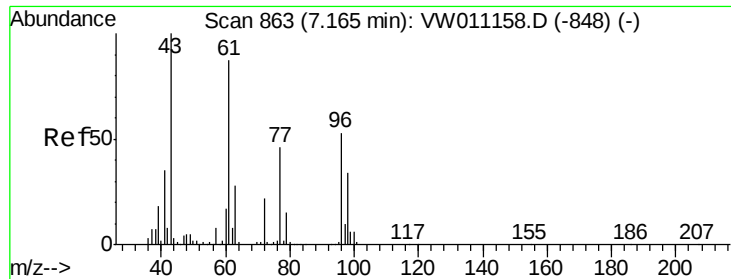
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 3.7 2.1 6.2

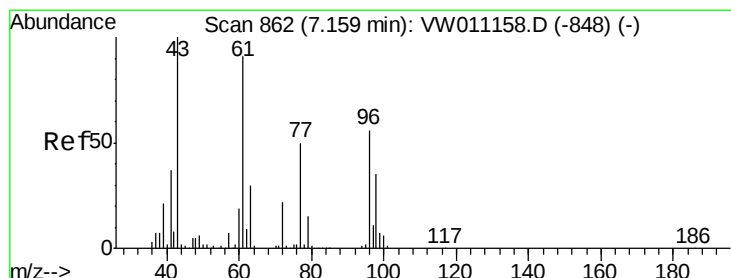
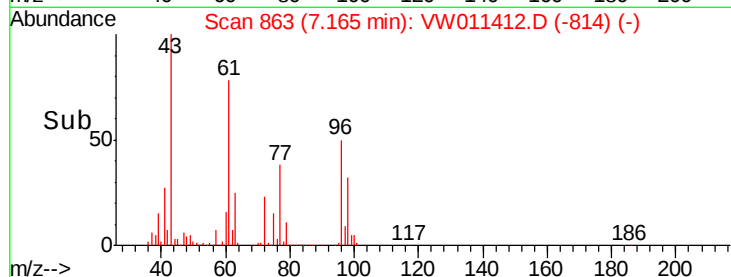
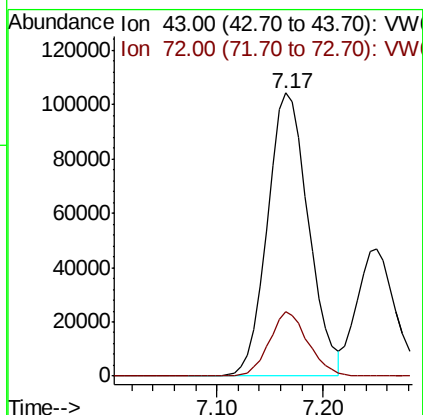
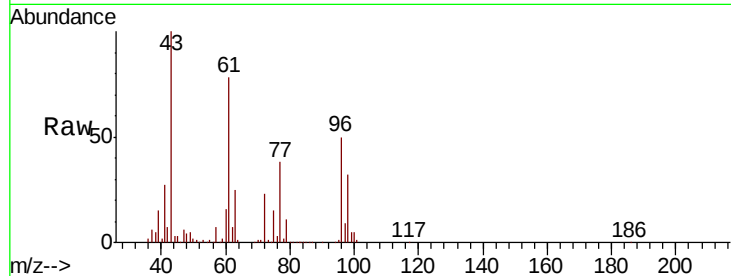




#25
2-Butanone
Concen: 316.922 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

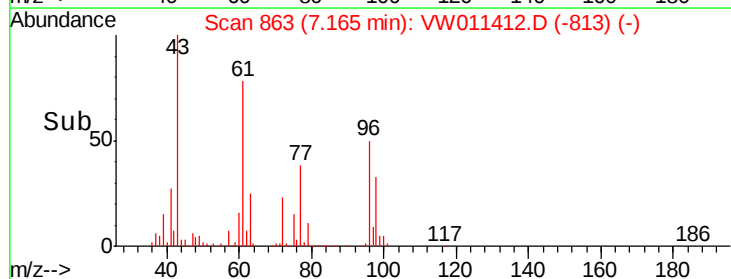
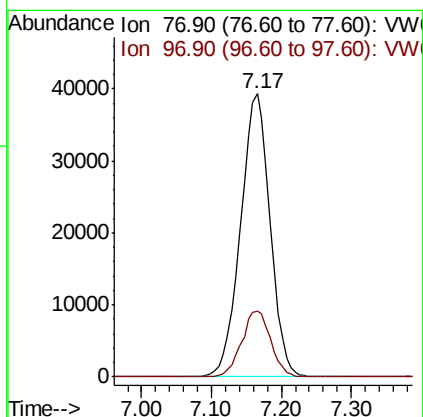
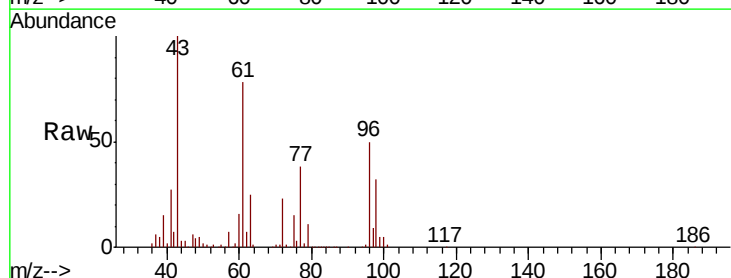
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

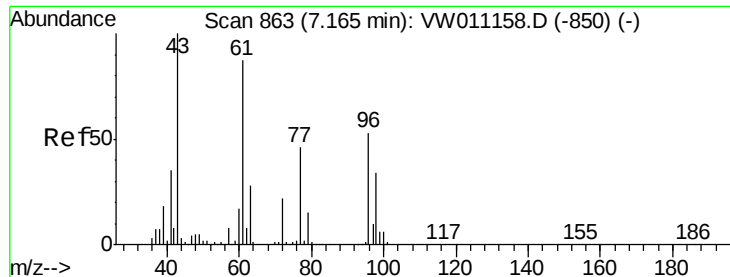
Tot Ion: 43 Resp: 278904
Ion Ratio Lower Upper
43 100
72 22.8 17.6 26.4



#26
2,2-Dichloropropane
Concen: 52.150 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 77 Resp: 115009
Ion Ratio Lower Upper
77 100
97 22.9 11.2 33.5



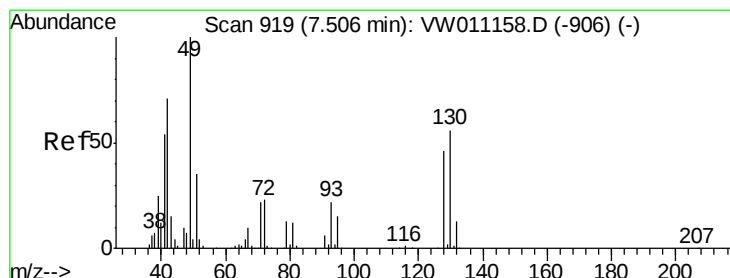
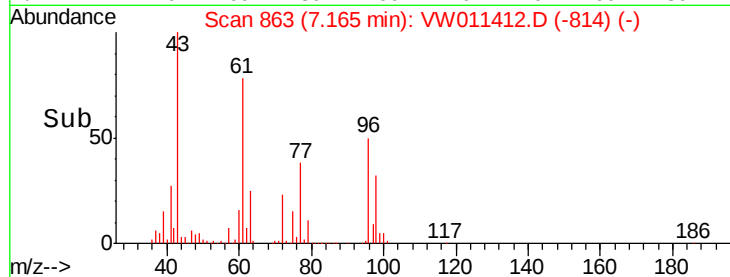
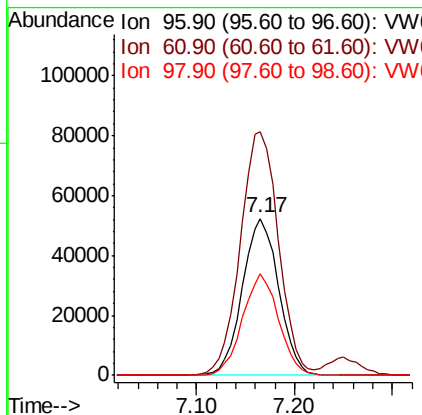
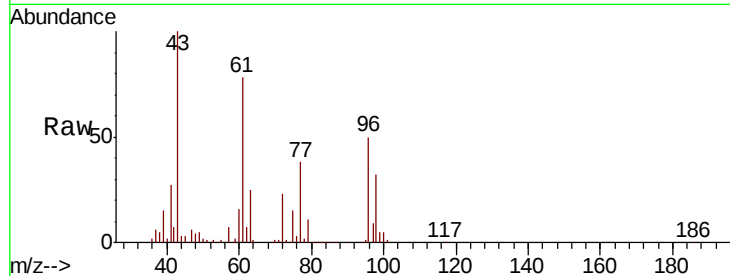


#27

cis-1,2-Dichloroethene
Concen: 58.587 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

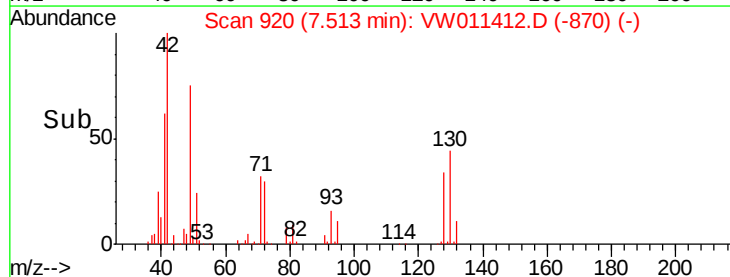
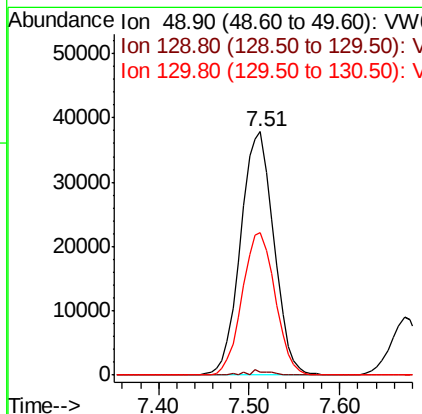
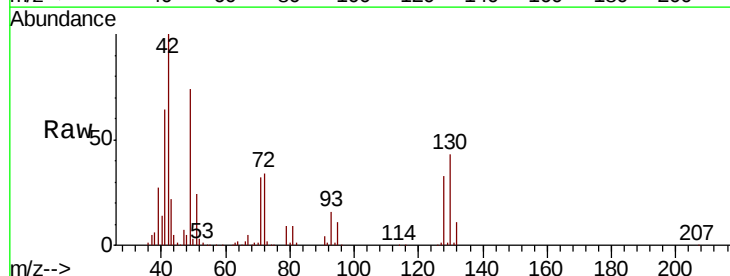
Tot Ion	96	Resp	135276
Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	325.6
98	64.2	0.0	128.2

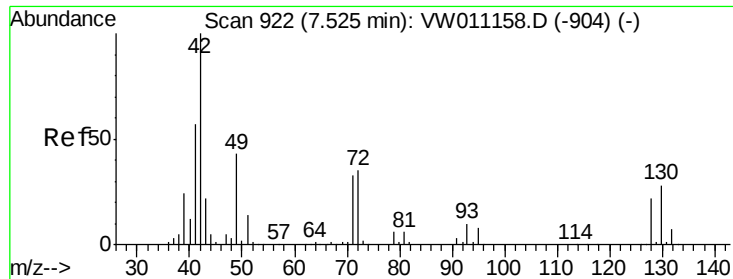


#28

Bromochloromethane
Concen: 49.906 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	49	Resp	96273
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4
130	58.3	45.8	68.8

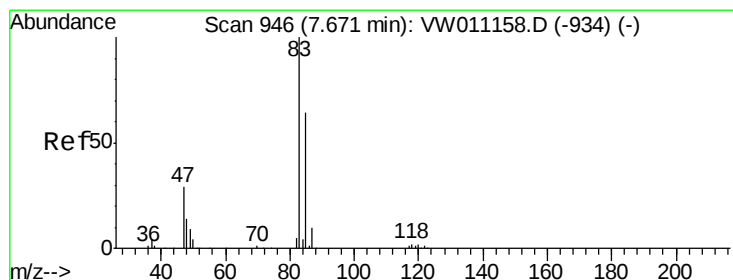
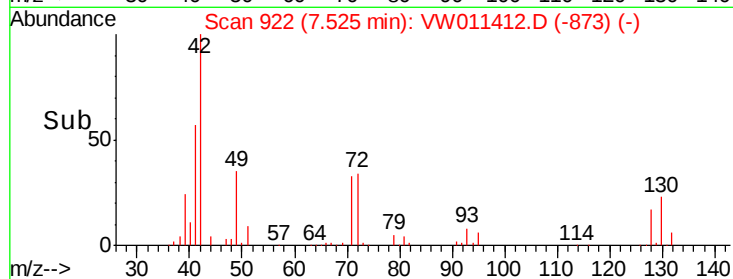
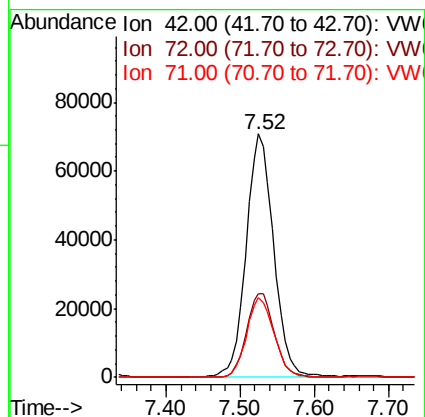
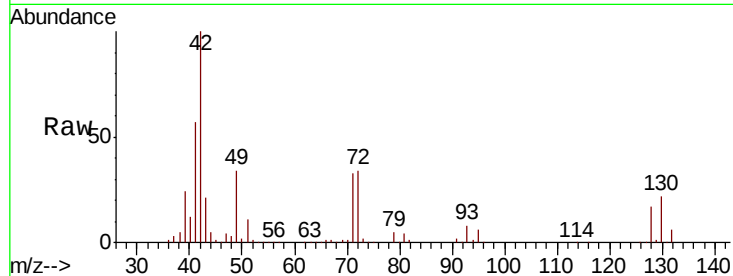




#29
Tetrahydrofuran
Concen: 317.856 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

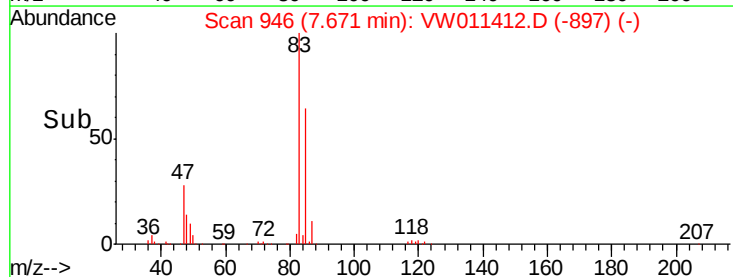
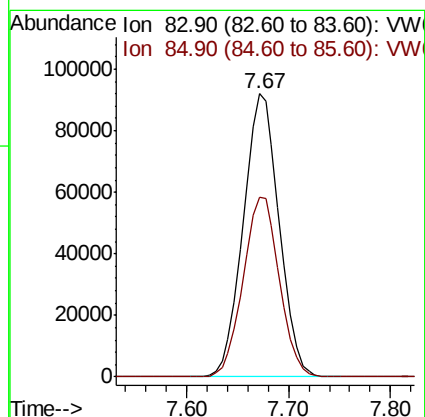
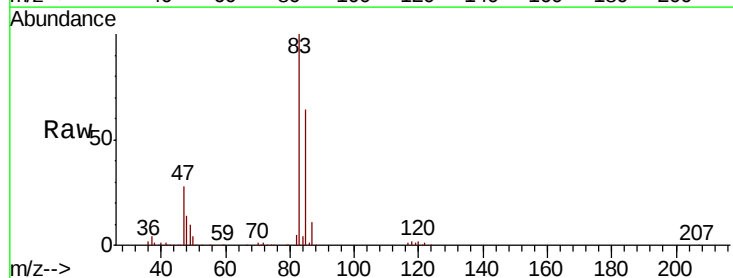
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

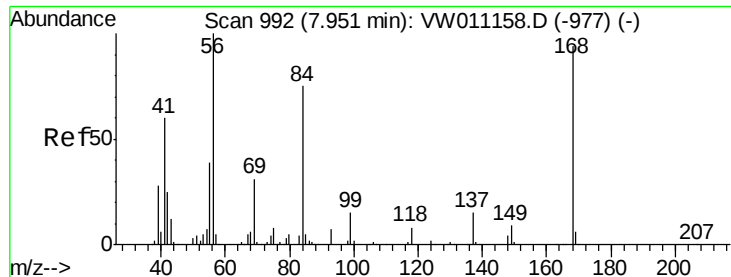
Tot Ion: 42 Resp: 183419
Ion Ratio Lower Upper
42 100
72 34.7 27.4 41.2
71 32.7 25.9 38.9



#30
Chloroform
Concen: 57.108 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 83 Resp: 224380
Ion Ratio Lower Upper
83 100
85 63.6 51.4 77.2

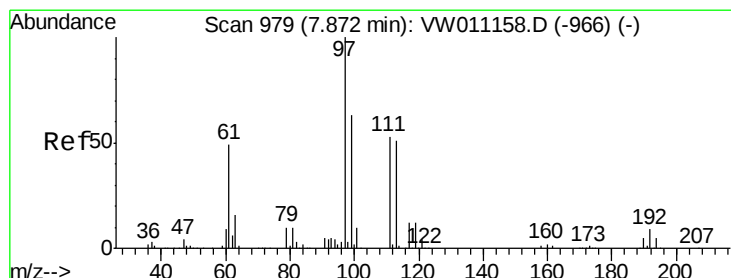
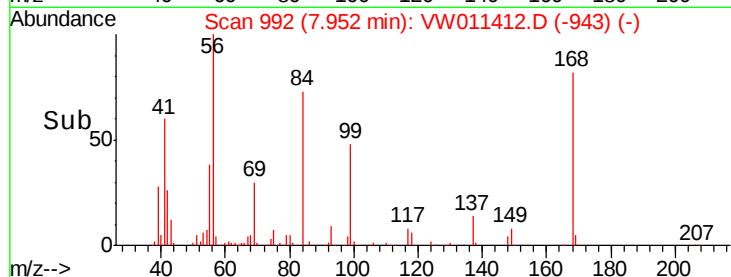
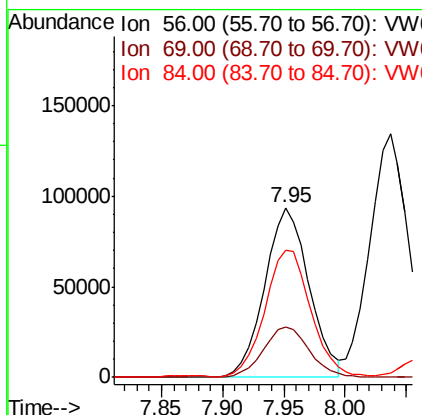
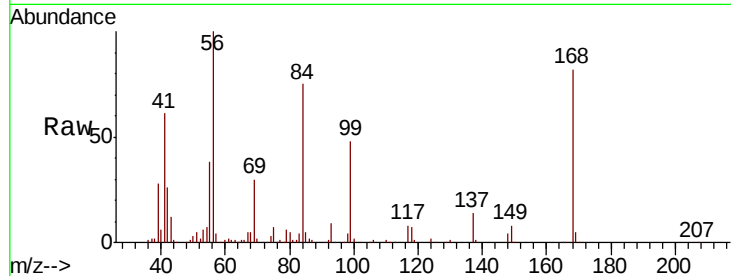




#31
Cyclohexane
Concen: 52.478 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

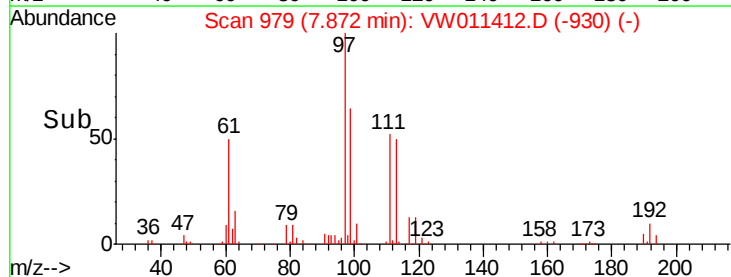
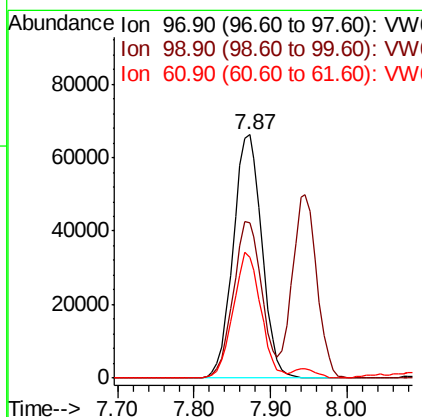
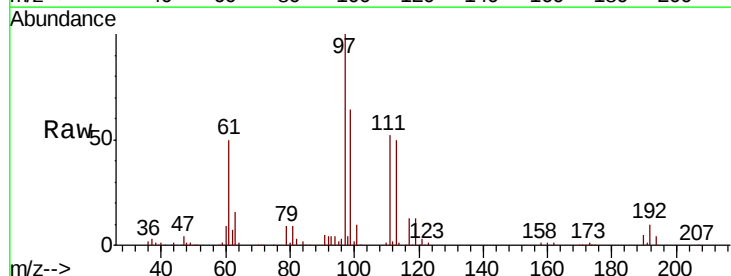
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

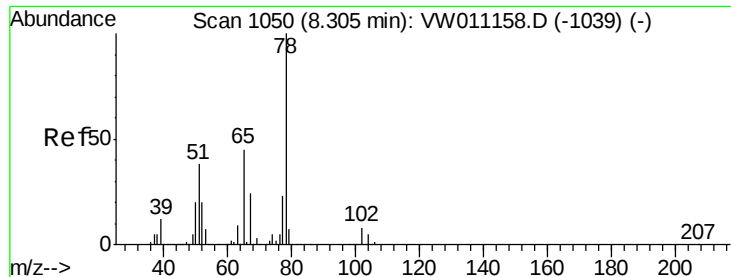
Tot Ion: 56 Resp: 236862
Ion Ratio Lower Upper
56 100
69 29.8 24.6 36.8
84 74.0 60.1 90.1



#32
1,1,1-Trichloroethane
Concen: 57.480 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 97 Resp: 171798
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 49.7 40.4 60.6





#33

1,2-Dichloroethane-d4

Concen: 50.171 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

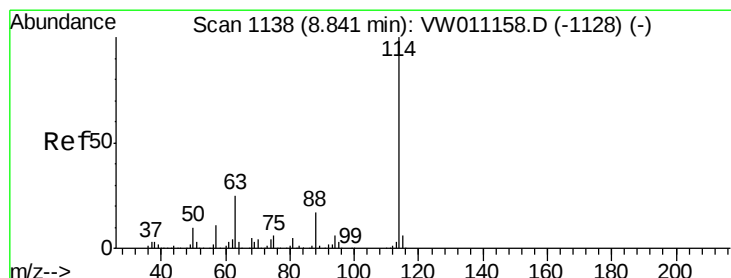
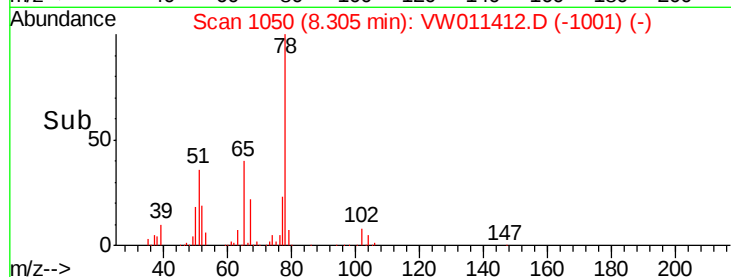
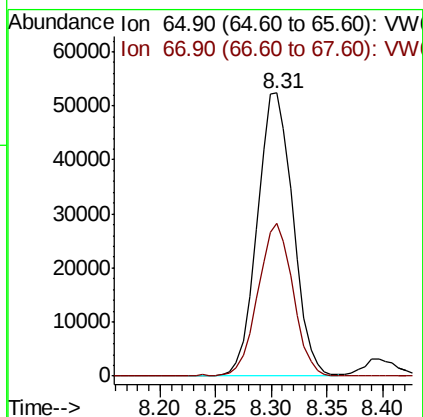
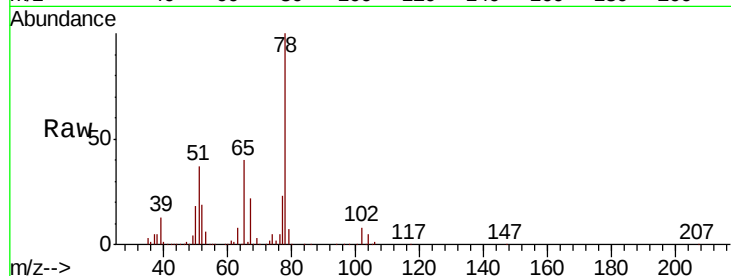
VSTDCCC050EC

Tot Ion: 65 Resp: 116899

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

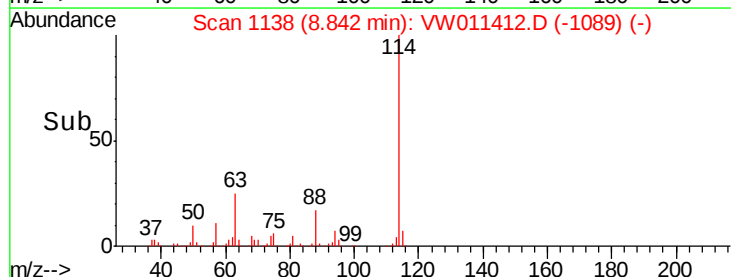
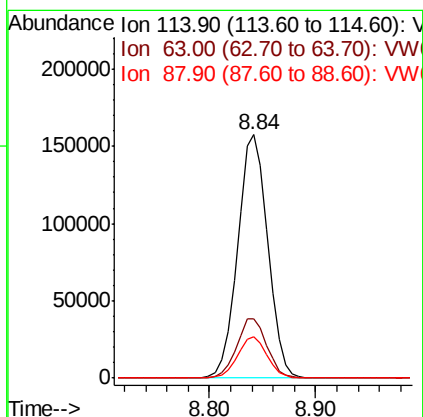
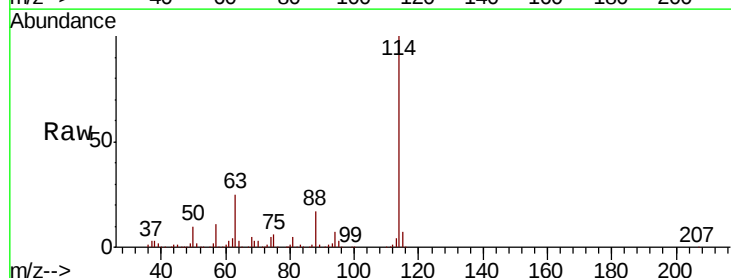
Tgt Ion: 114 Resp: 311997

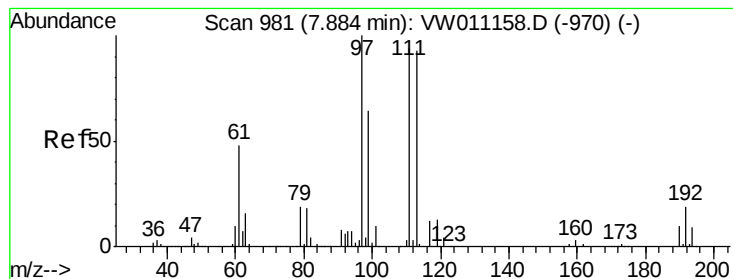
Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.8

88 17.1 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.579 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

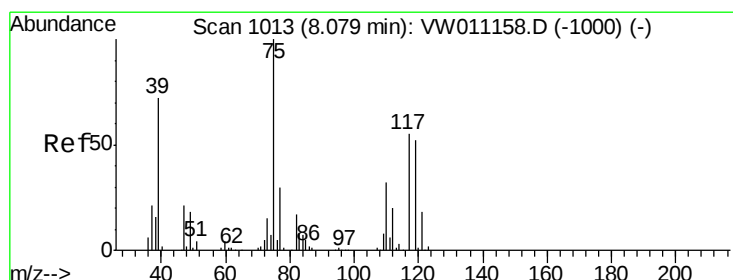
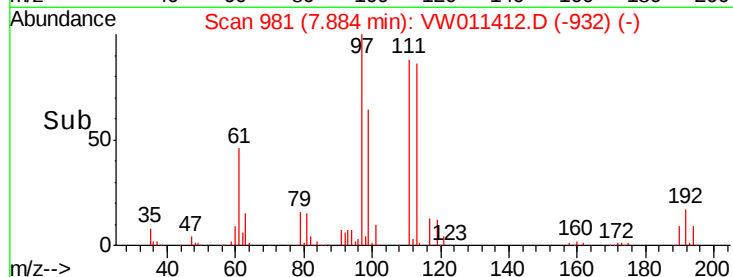
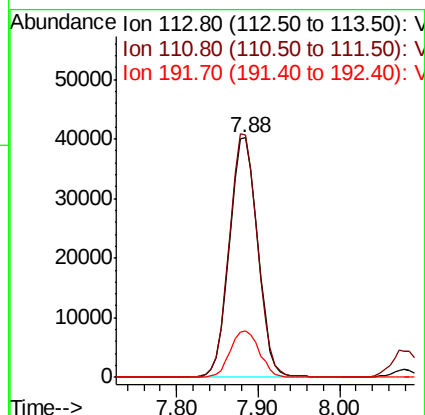
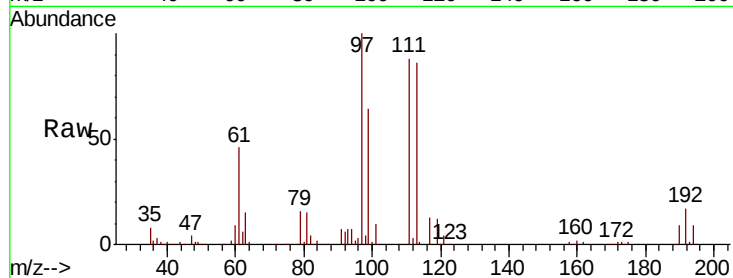
Tot Ion:113 Resp: 95919

Ion Ratio Lower Upper

113 100

111 101.3 82.4 123.6

192 19.9 15.8 23.8



#36

1,1-Dichloropropene

Concen: 54.978 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

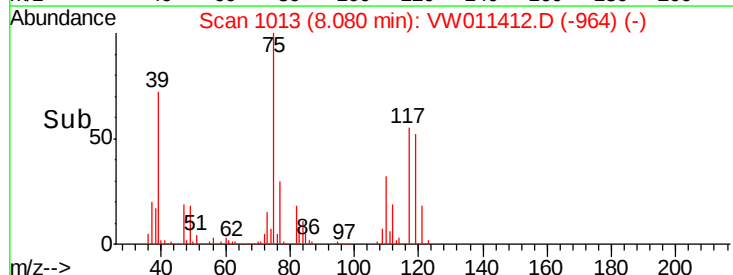
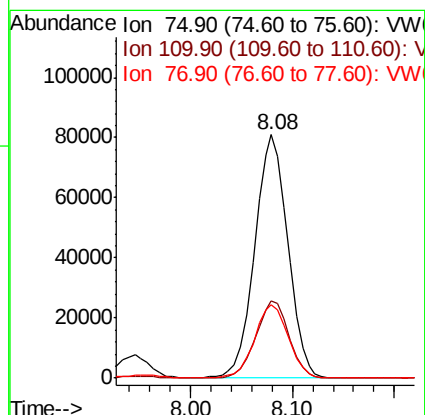
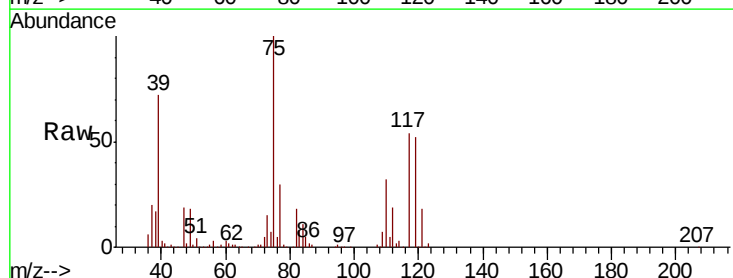
Tgt Ion: 75 Resp: 182664

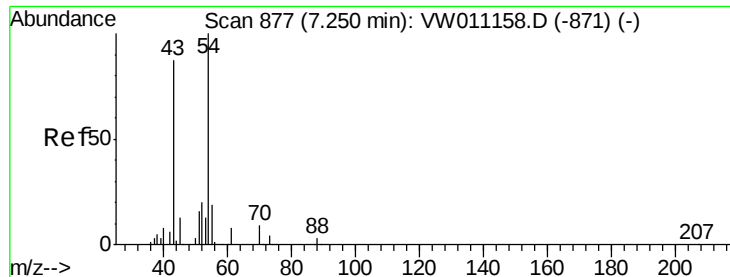
Ion Ratio Lower Upper

75 100

110 31.8 15.9 47.6

77 31.0 24.6 36.8

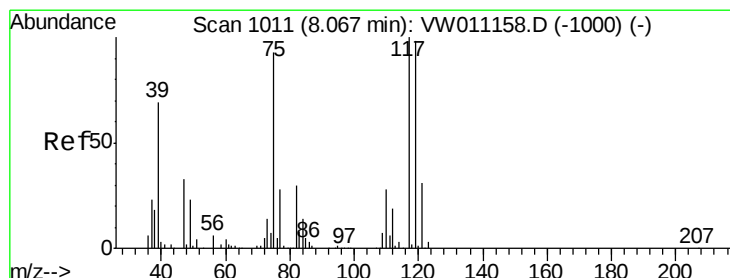
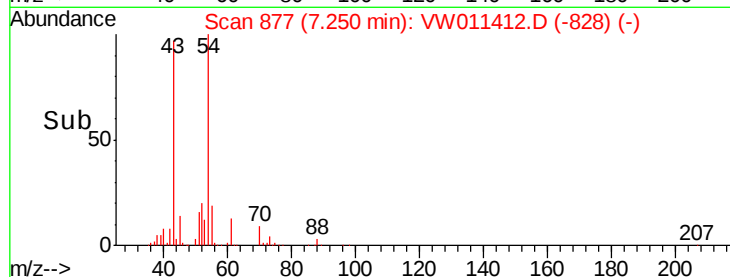
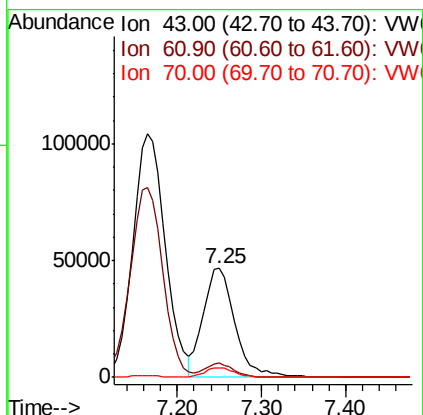
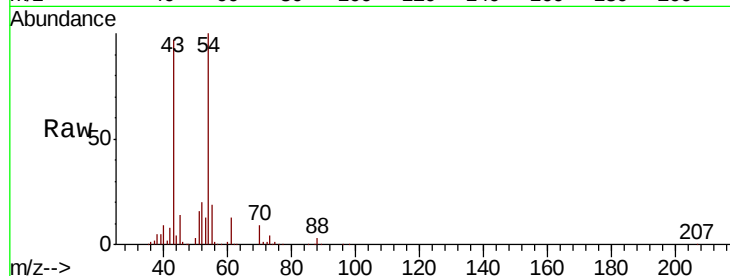




#37
Ethyl Acetate
Concen: 60.718 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

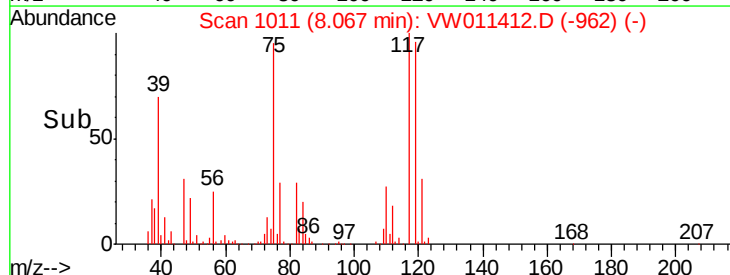
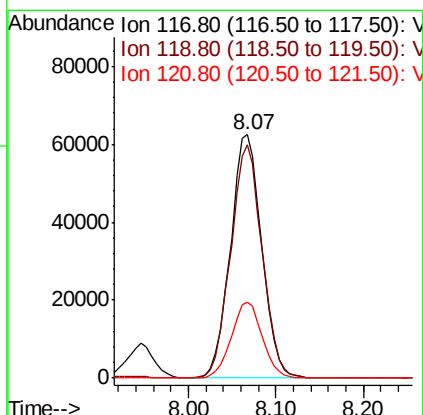
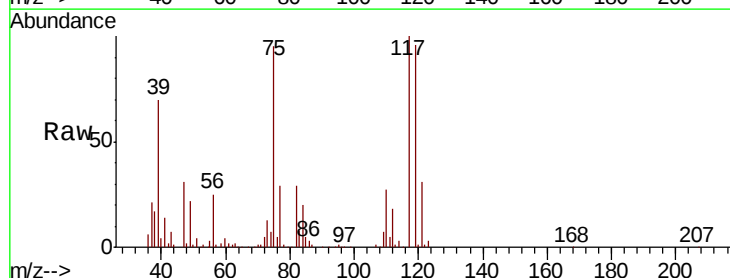
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

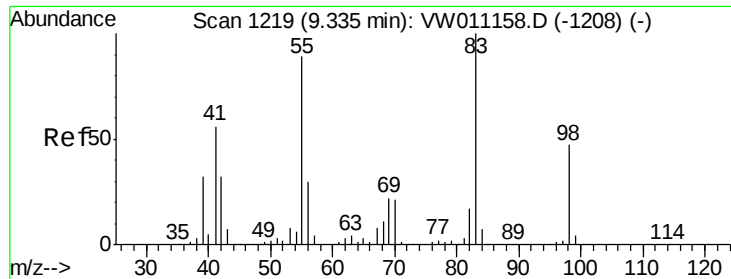
Tot Ion: 43 Resp: 121208
Ion Ratio Lower Upper
43 100
61 11.5 9.5 14.3
70 8.8 7.1 10.7



#38
Carbon Tetrachloride
Concen: 55.064 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 117 Resp: 155090
Ion Ratio Lower Upper
117 100
119 95.9 78.1 117.1
121 31.3 25.1 37.7

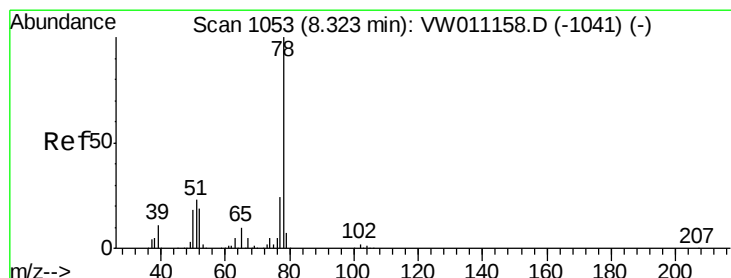
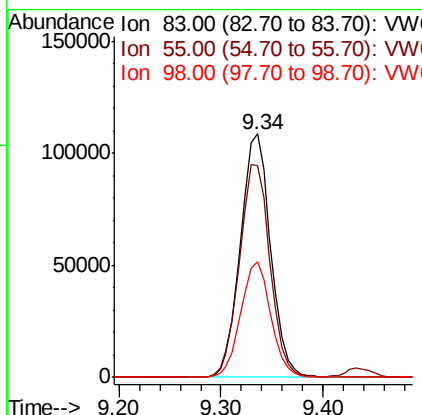
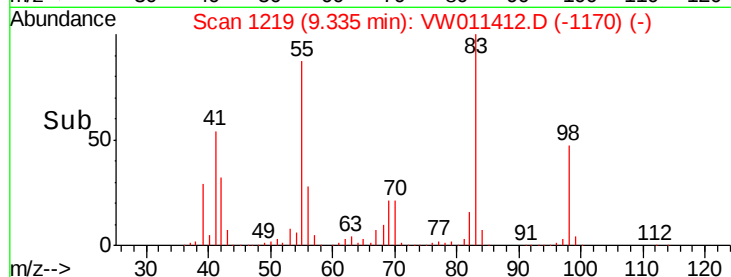
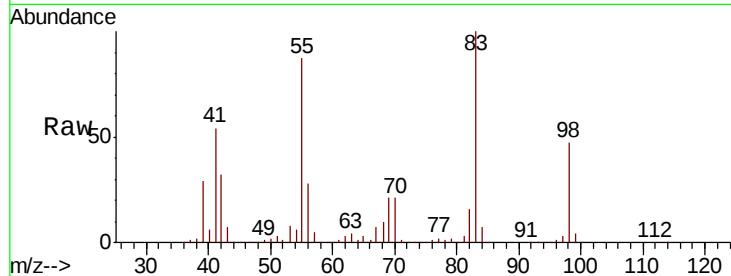




#39
Methylvlcyclohexane
Concen: 55.573 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

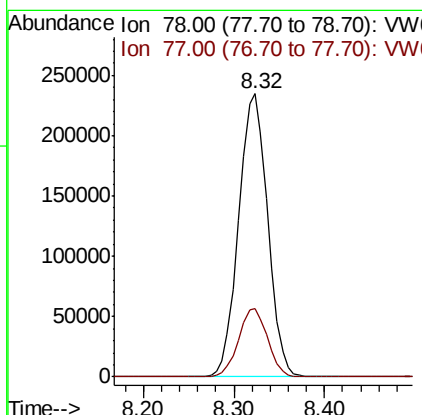
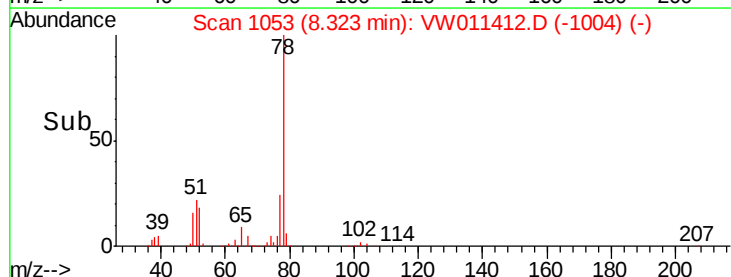
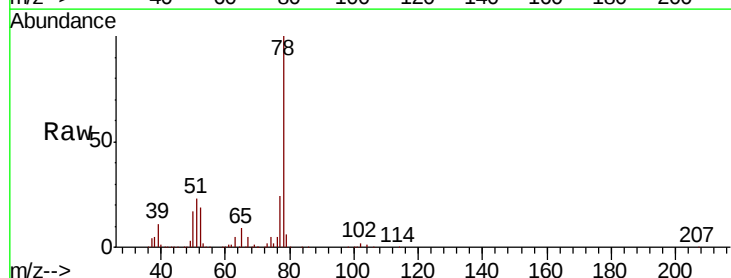
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

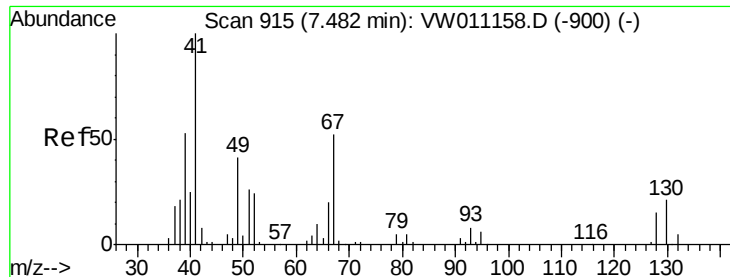
Tot Ion: 83 Resp: 223793
Ion Ratio Lower Upper
83 100
55 87.0 71.2 106.8
98 47.2 37.5 56.3



#40
Benzene
Concen: 56.687 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 78 Resp: 520505
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6





#41

Methacrylonitrile

Concen: 66.960 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 76449

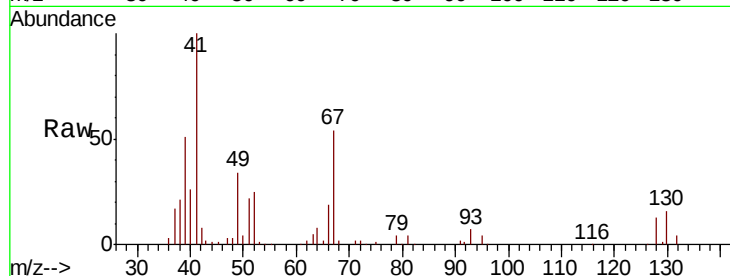
Ion Ratio Lower Upper

41 100

39 56.3 48.0 72.0

67 55.7 49.7 74.5

52 25.2 23.4 35.0

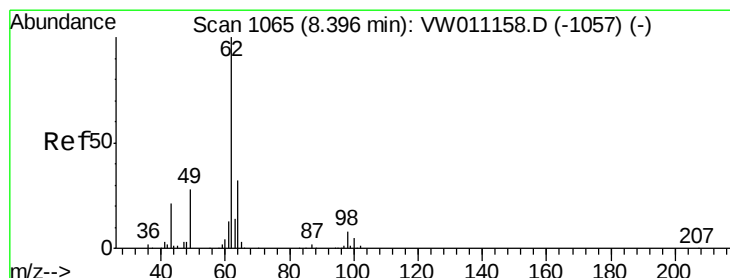
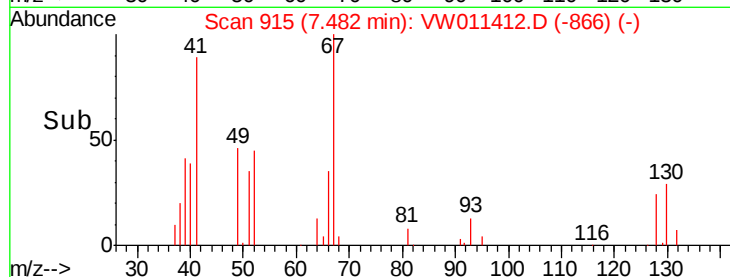
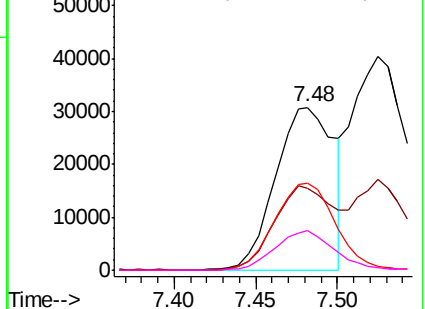


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 56.030 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011412.D

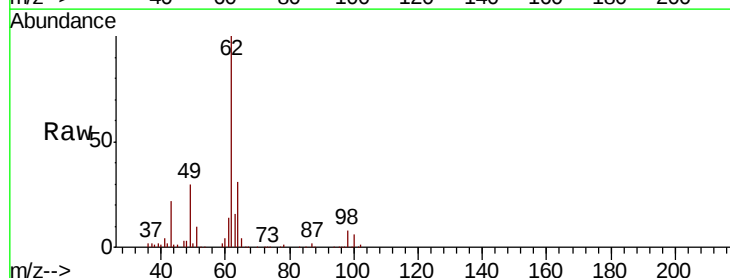
Acq: 20 Jul 2019 08:49

Tgt Ion: 62 Resp: 166891

Ion Ratio Lower Upper

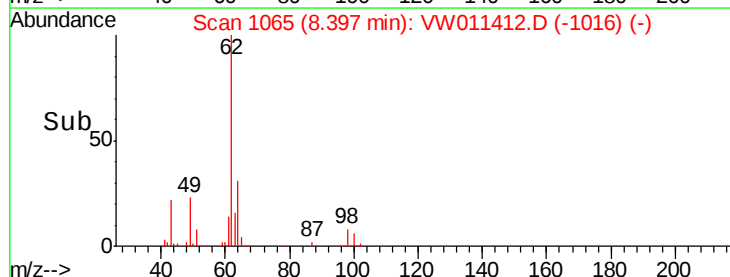
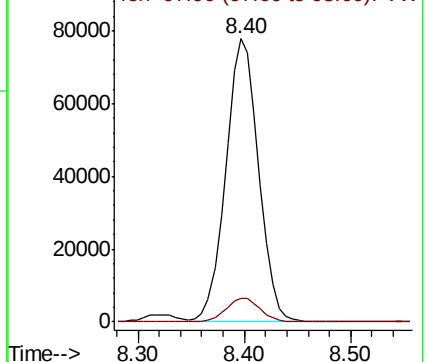
62 100

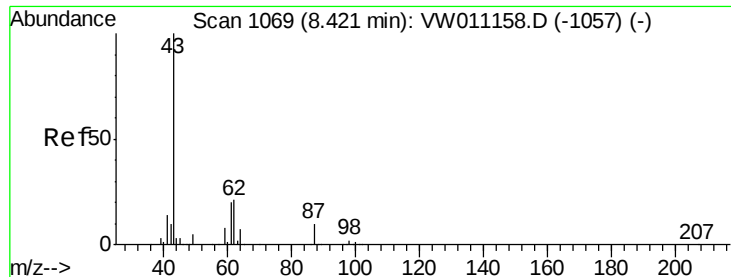
98 8.7 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 59.647 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

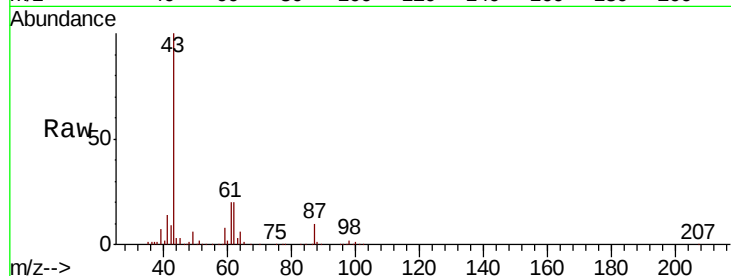
Tot Ion: 43 Resp: 224800

Ion Ratio Lower Upper

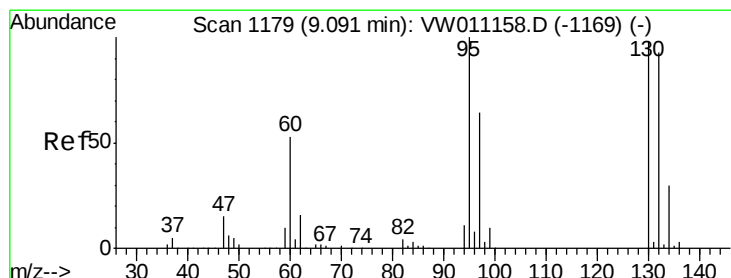
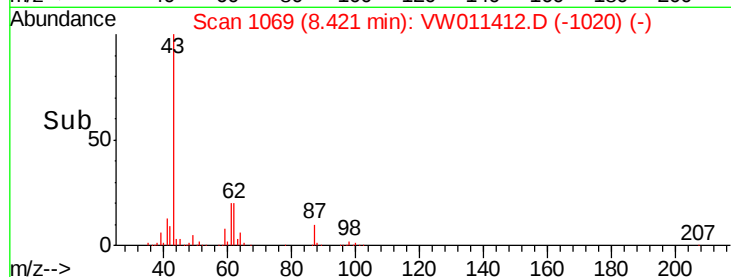
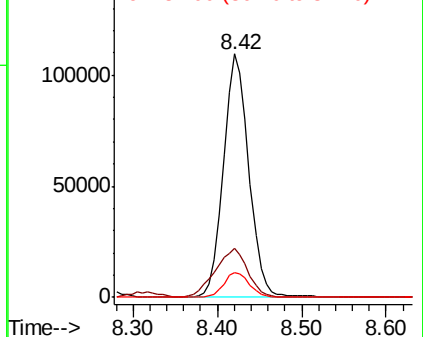
43 100

61 25.8 20.7 31.1

87 10.4 8.1 12.1



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



#44

Trichloroethene

Concen: 56.750 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011412.D

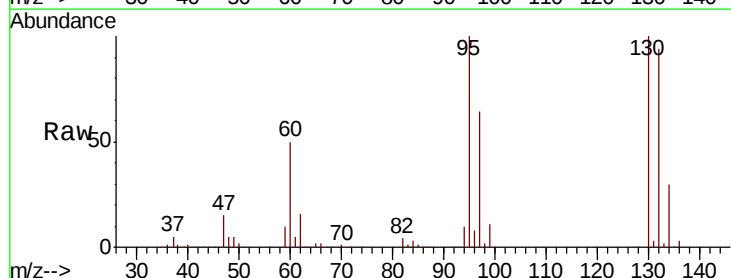
Acq: 20 Jul 2019 08:49

Tgt Ion:130 Resp: 125393

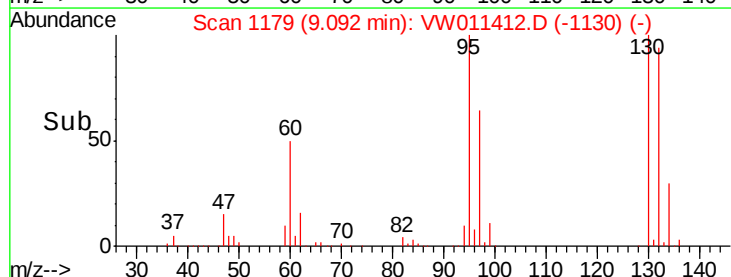
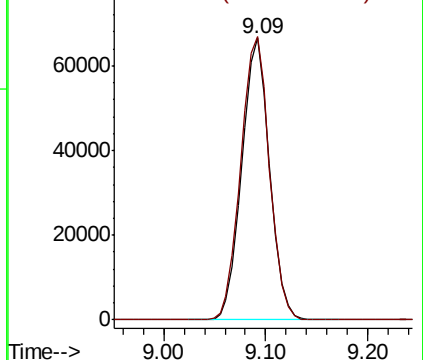
Ion Ratio Lower Upper

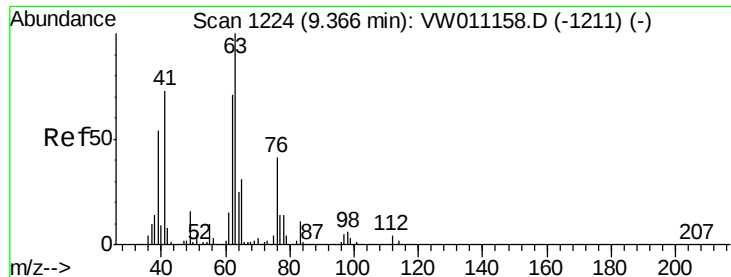
130 100

95 100.5 0.0 203.6



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





#45

1,2-Dichloropropane

Concen: 57.648 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

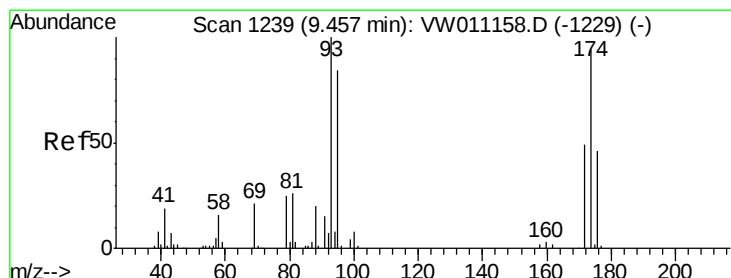
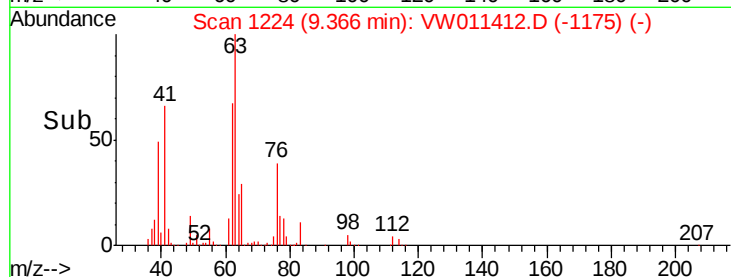
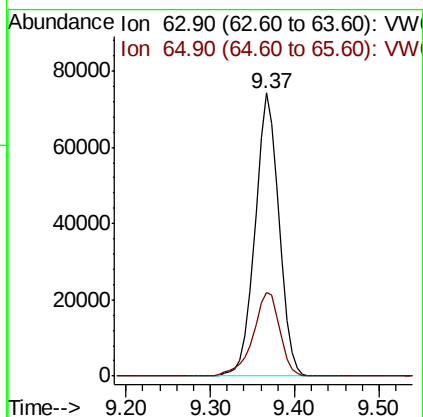
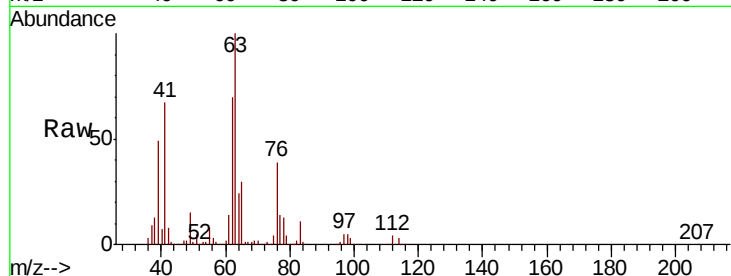
VSTDCCC050EC

Tot Ion: 63 Resp: 143339

Ion Ratio Lower Upper

63 100

65 29.8 24.4 36.6



#46

Dibromomethane

Concen: 57.778 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

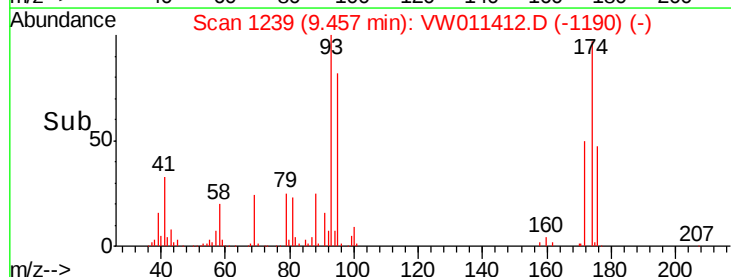
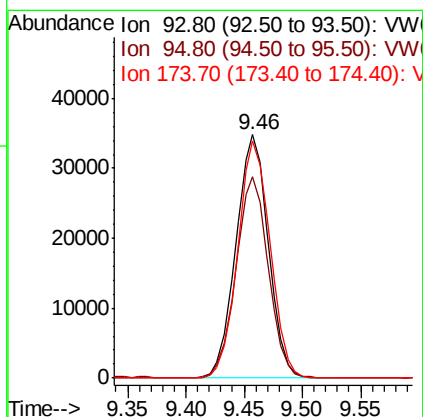
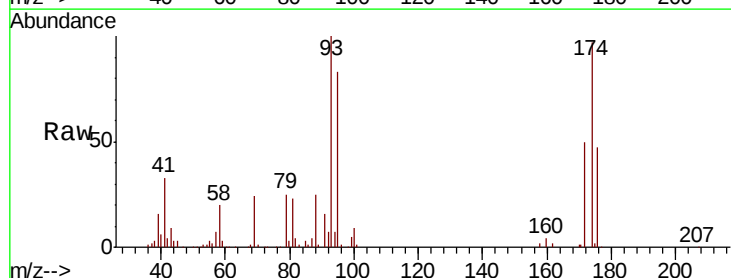
Tgt Ion: 93 Resp: 67485

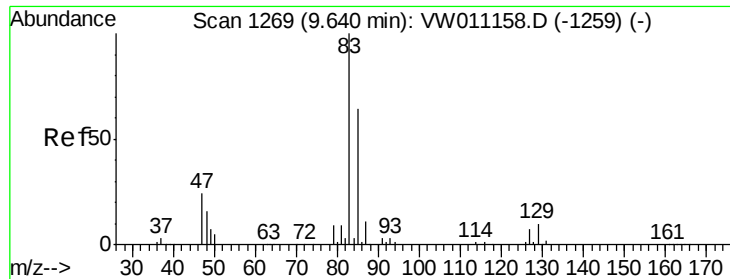
Ion Ratio Lower Upper

93 100

95 82.7 67.2 100.8

174 97.5 76.3 114.5

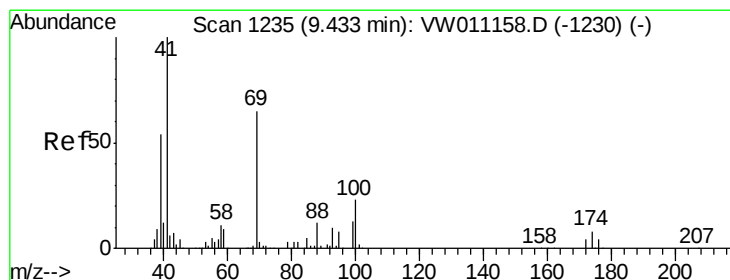
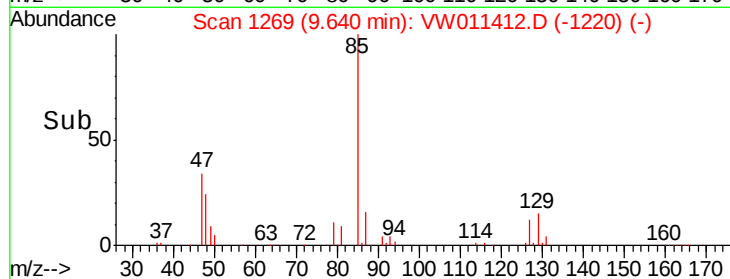
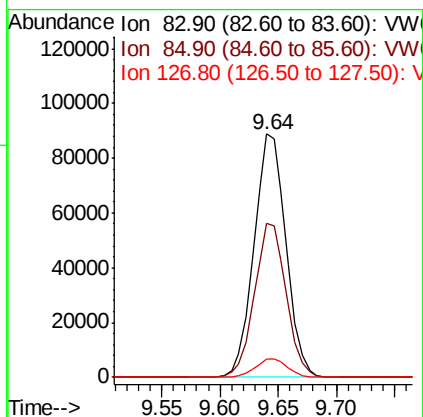
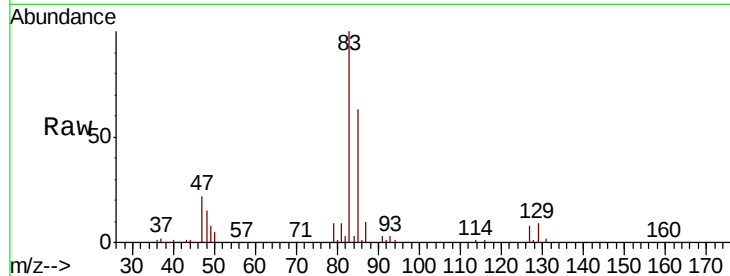




#47
Bromodichloromethane
Concen: 56.775 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

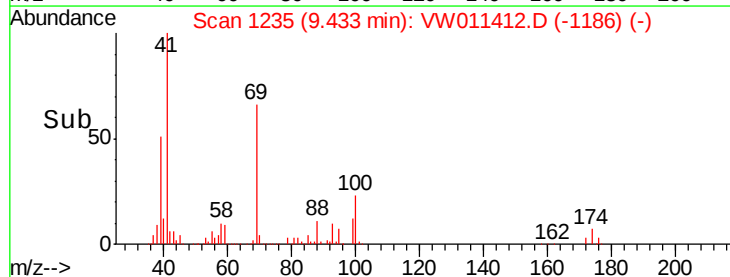
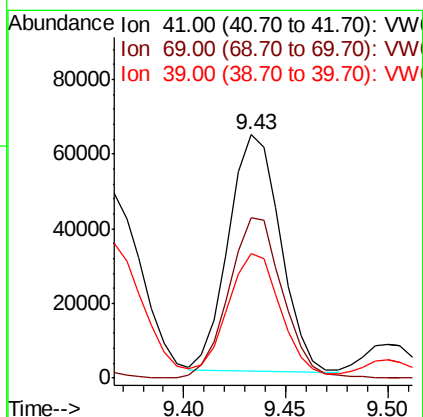
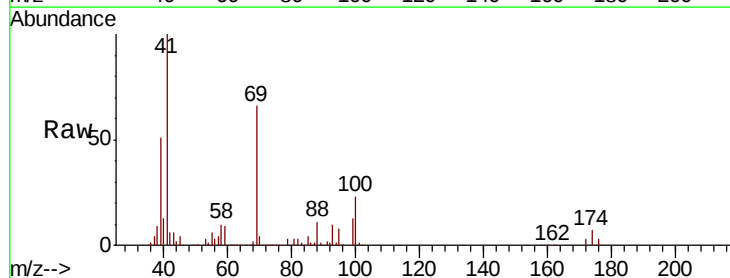
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

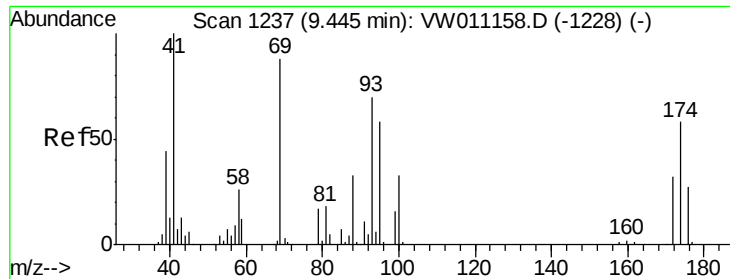
Tot Ion: 83 Resp: 169677
Ion Ratio Lower Upper
83 100
85 63.4 51.0 76.4
127 7.6 6.0 9.0



#48
Methyl methacrylate
Concen: 61.570 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 41 Resp: 111638
Ion Ratio Lower Upper
41 100
69 70.8 56.0 84.0
39 50.5 43.5 65.3

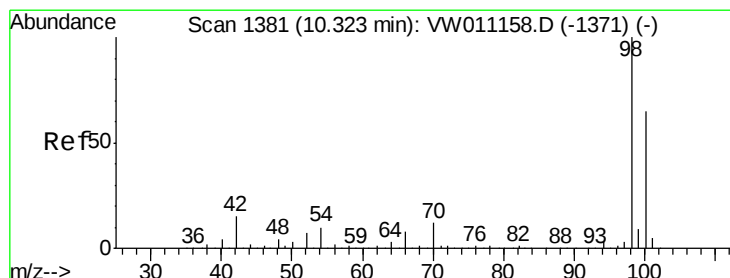
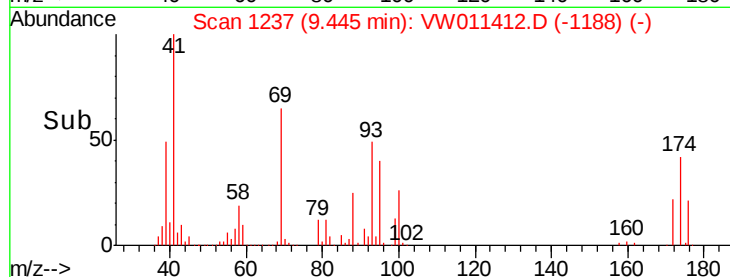
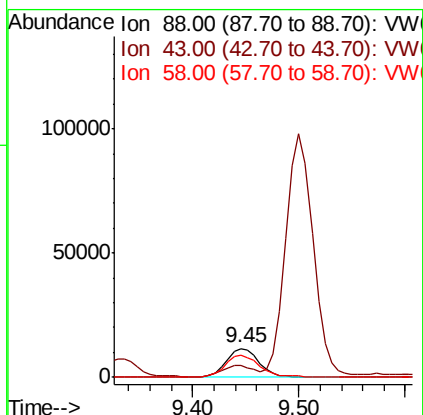
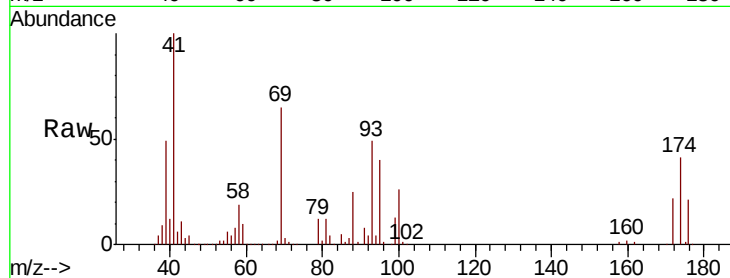




#49
 1,4-Dioxane
 Concen: 1282.812 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

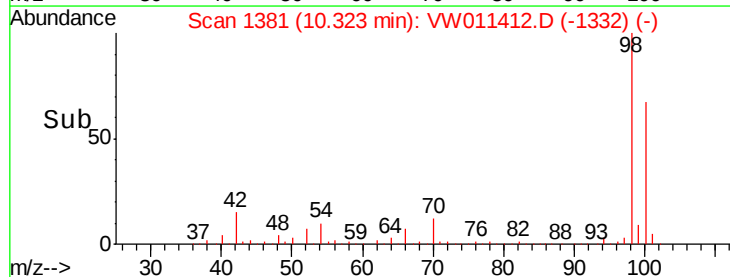
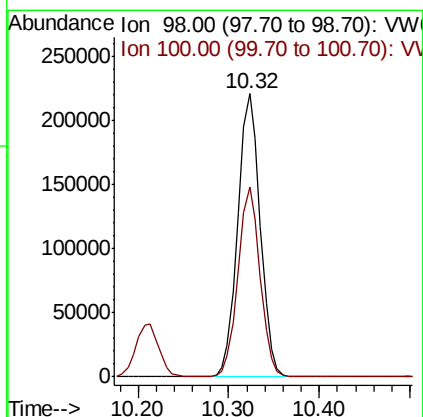
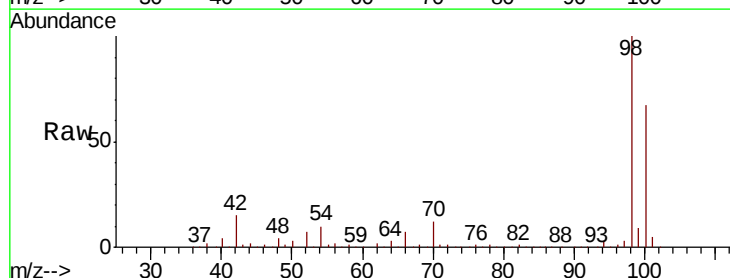
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

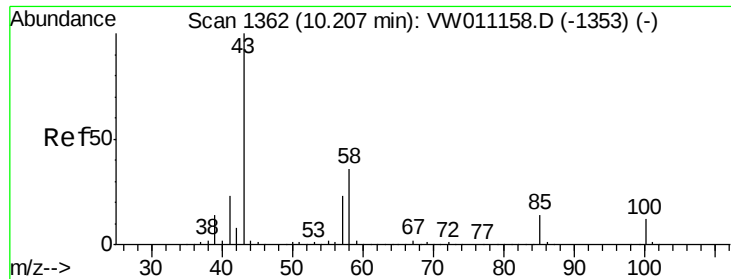
Tot Ion: 88 Resp: 25010
 Ion Ratio Lower Upper
 88 100
 43 37.6 33.4 50.0
 58 82.5 64.5 96.7



#50
 Toluene-d8
 Concen: 50.267 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Tgt Ion: 98 Resp: 377854
 Ion Ratio Lower Upper
 98 100
 100 65.8 52.4 78.6

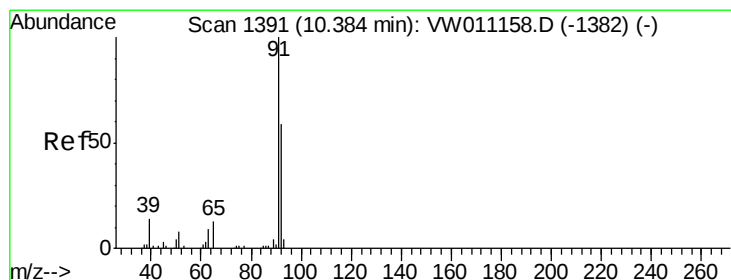
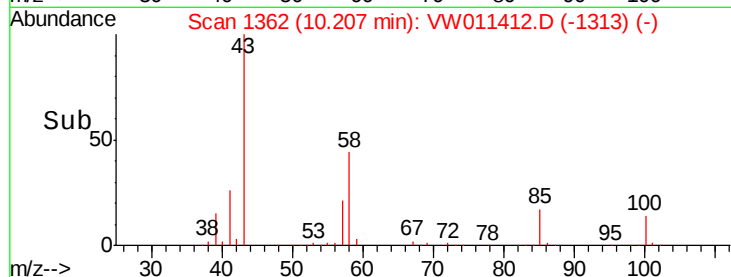
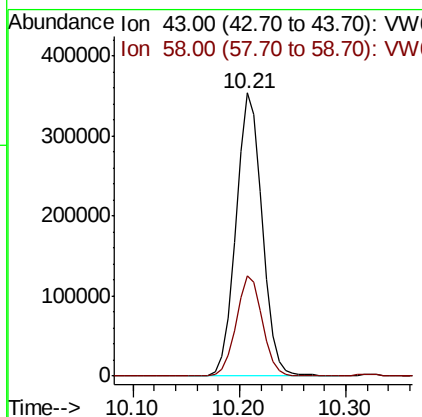
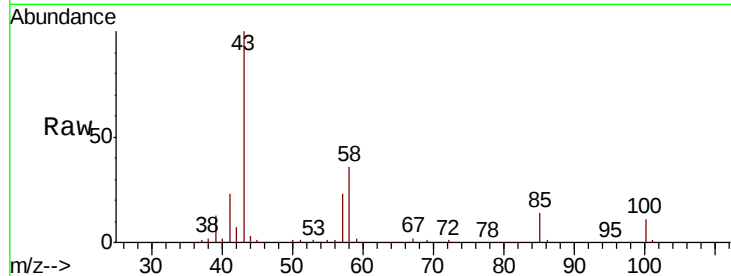




#51
4-Methyl-2-Pentanone
Concen: 310.953 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

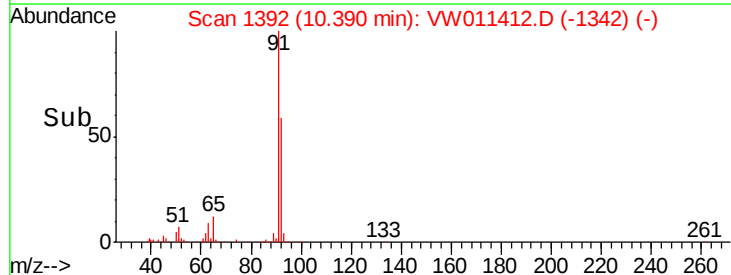
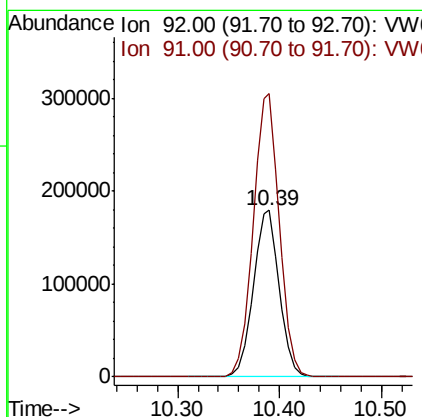
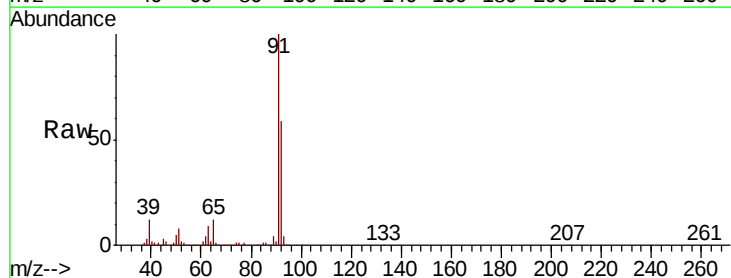
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

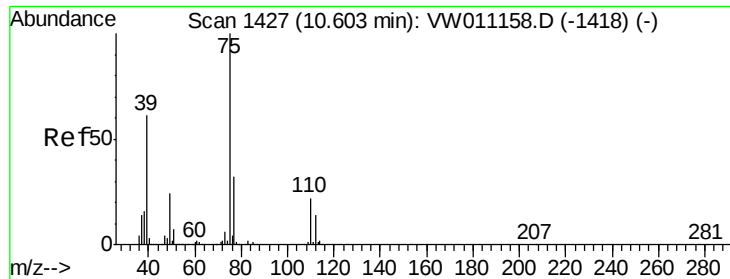
Tot Ion: 43 Resp: 612190
Ion Ratio Lower Upper
43 100
58 35.5 28.2 42.2



#52
Toluene
Concen: 56.811 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 92 Resp: 316433
Ion Ratio Lower Upper
92 100
91 171.5 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 53.742 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

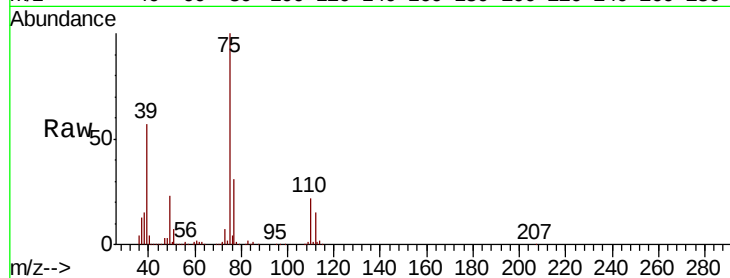
VSTDCCC050EC

Tot Ion: 75 Resp: 170960

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

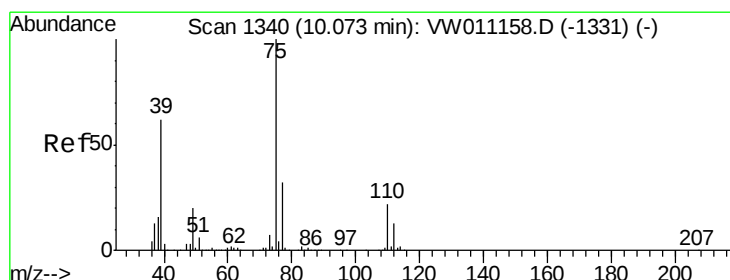
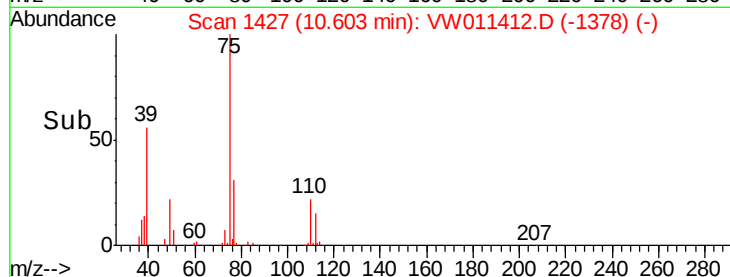
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 53.616 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

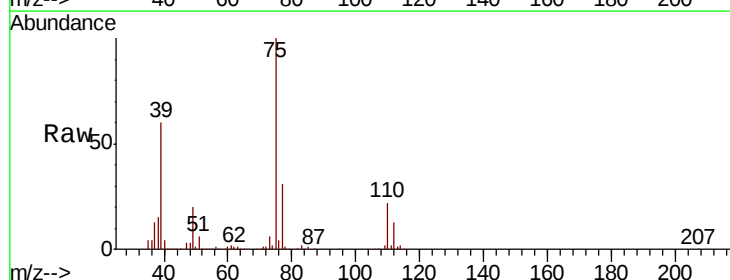
Tgt Ion: 75 Resp: 200758

Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5

39 59.7 49.8 74.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

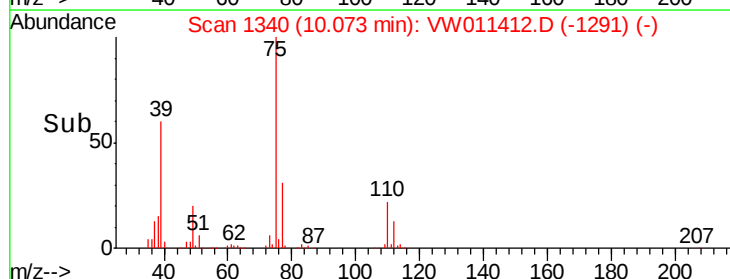
150000

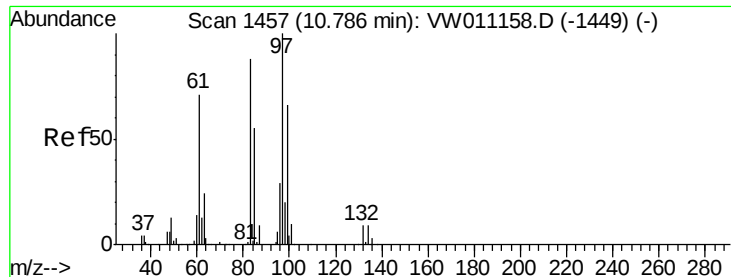
100000

50000

0

Time--> 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 57.937 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 96002

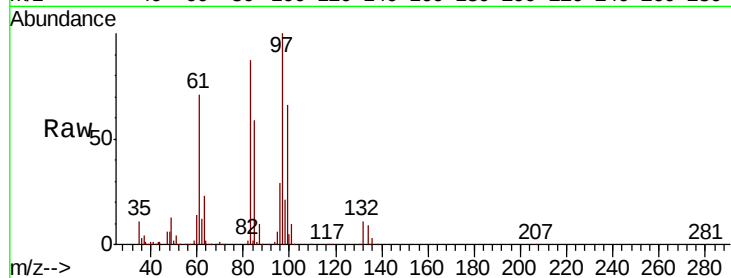
Ion Ratio Lower Upper

97 100

83 87.5 70.2 105.4

85 58.7 44.2 66.2

99 66.5 52.6 79.0



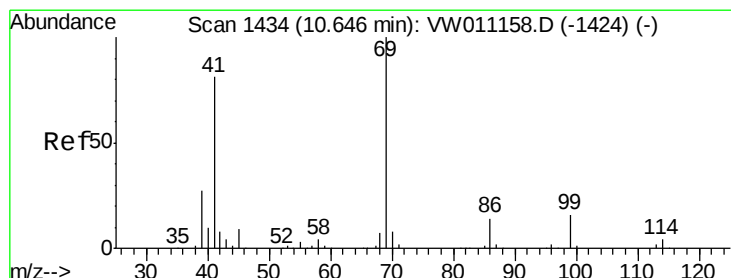
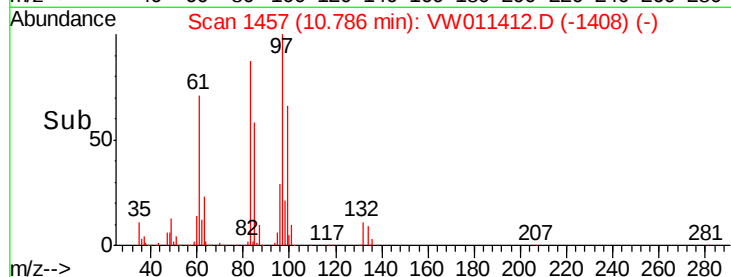
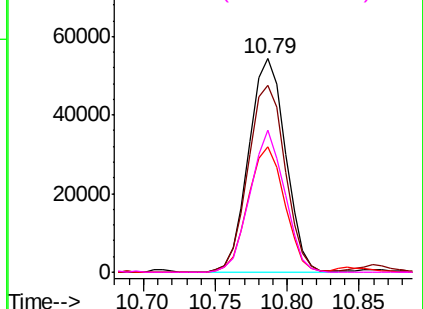
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 59.997 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

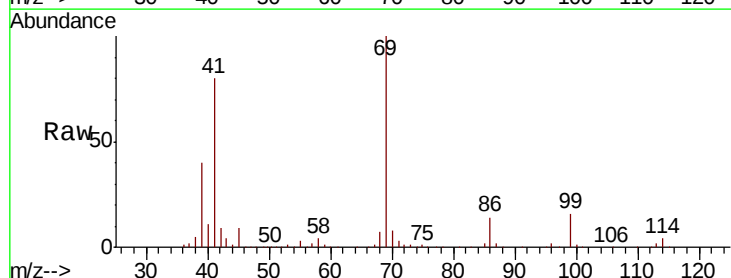
Tgt Ion: 69 Resp: 151358

Ion Ratio Lower Upper

69 100

41 83.2 66.5 99.7

39 37.2 32.5 48.7

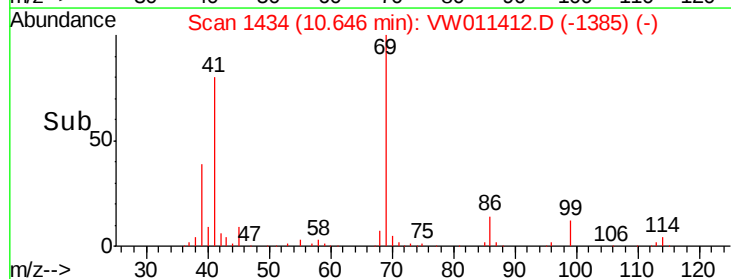
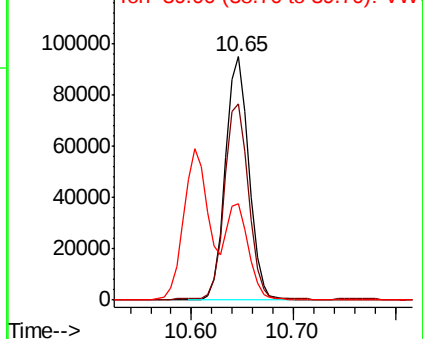


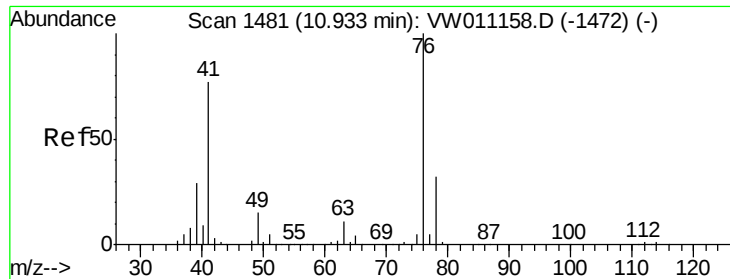
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

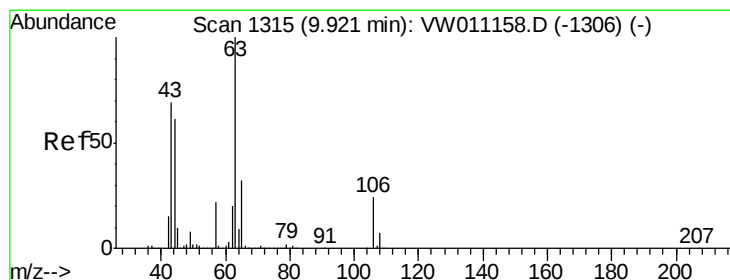
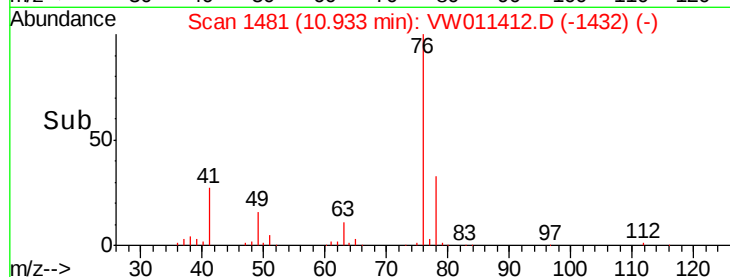
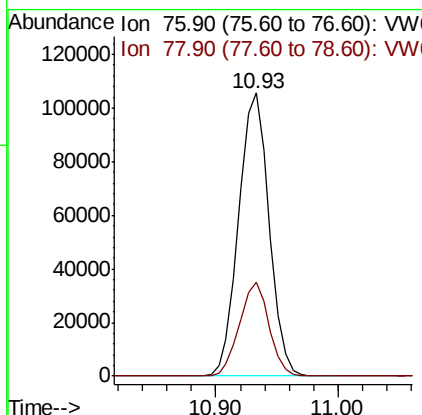
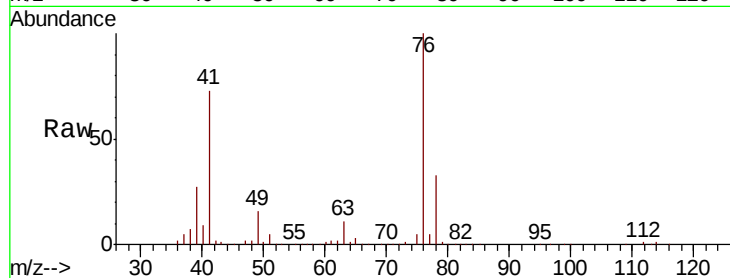




#57
 1,3-Dichloropropane
 Concen: 58.091 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

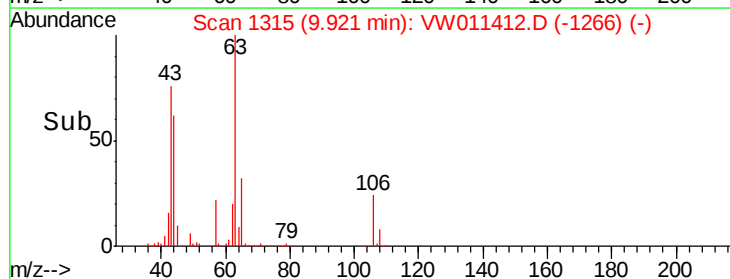
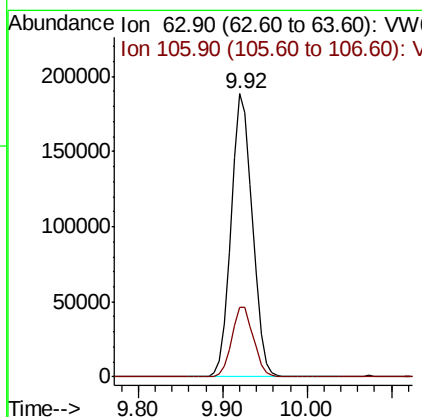
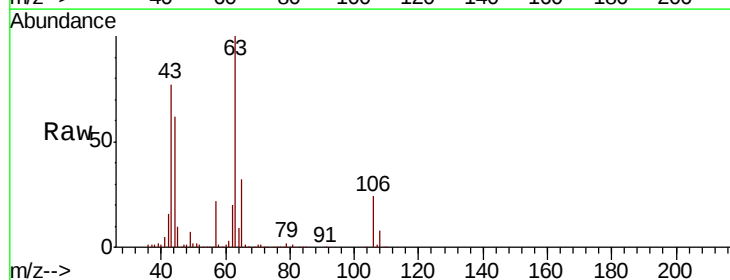
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

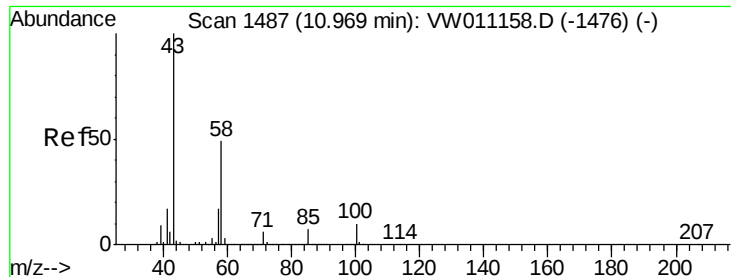
Tot Ion: 76 Resp: 182024
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.012 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Tgt Ion: 63 Resp: 322811
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.4 29.0

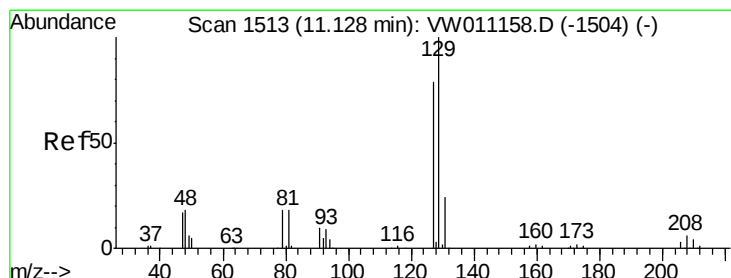
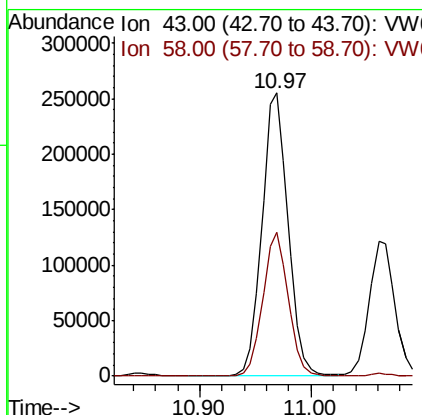
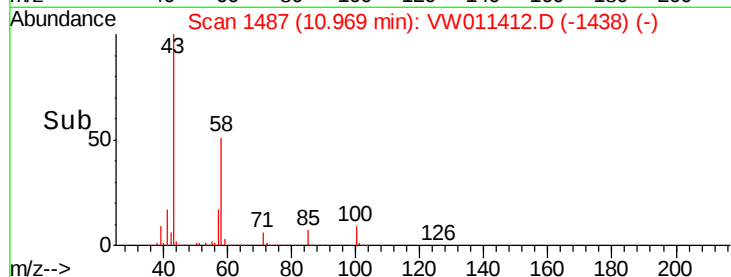
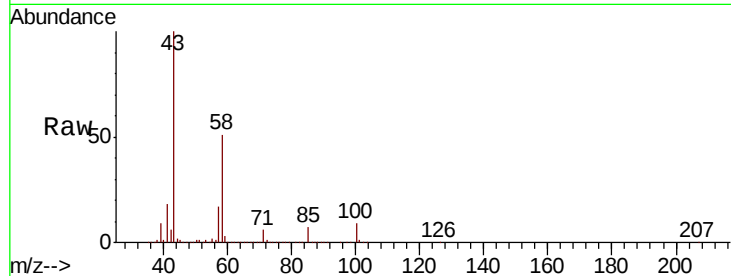




#59
2-Hexanone
Concen: 305.559 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

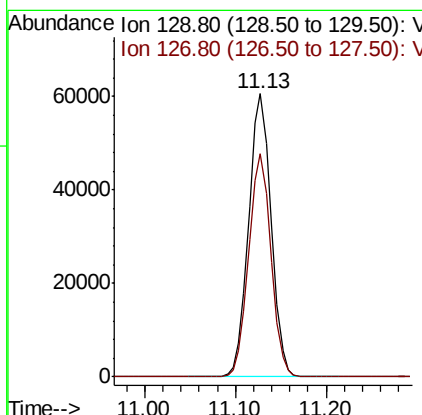
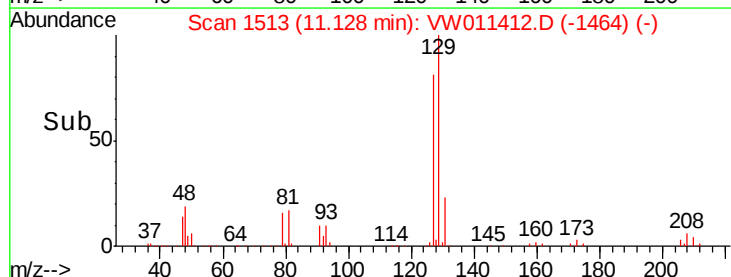
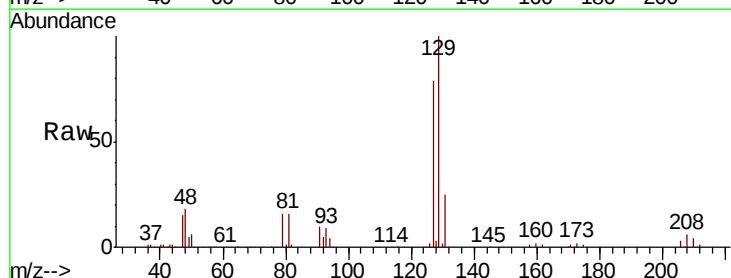
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

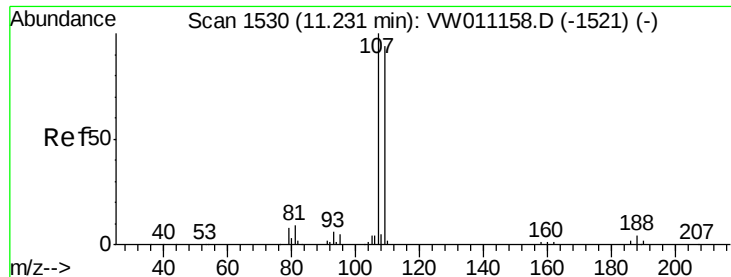
Tot Ion: 43 Resp: 417189
Ion Ratio Lower Upper
43 100
58 49.6 24.4 73.4



#60
Dibromochloromethane
Concen: 57.488 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 129 Resp: 104458
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 58.980 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

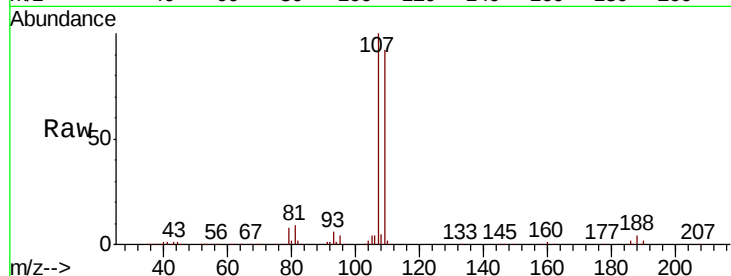
VSTDCCC050EC

Tot Ion:107 Resp: 92574

Ion Ratio Lower Upper

107 100

109 93.8 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

60000

50000

40000

30000

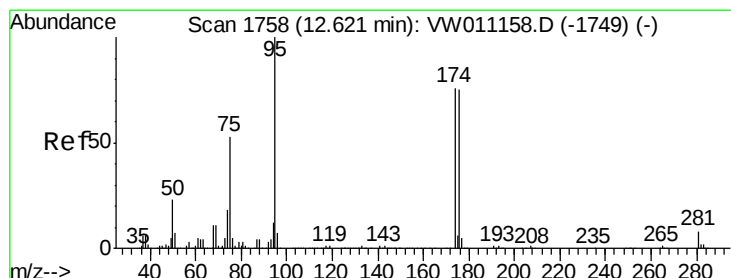
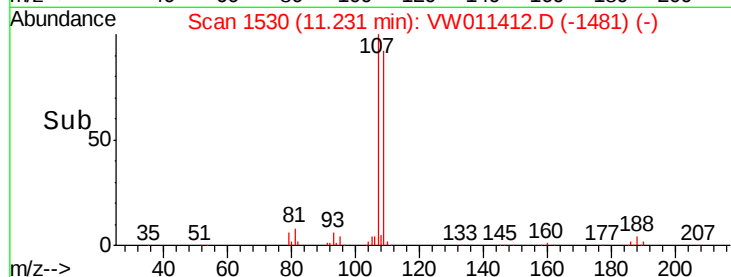
20000

10000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 50.112 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

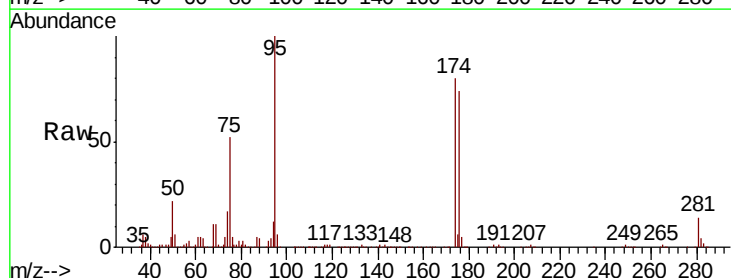
Tgt Ion: 95 Resp: 138070

Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.6

176 71.6 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

100000

80000

60000

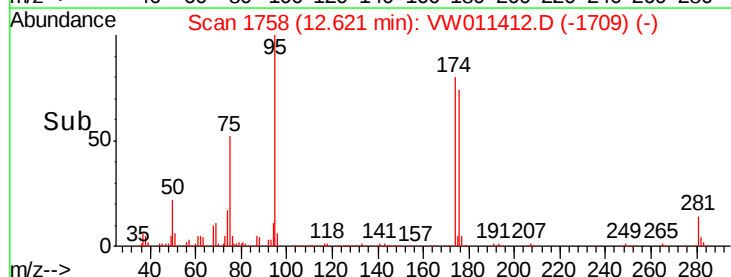
40000

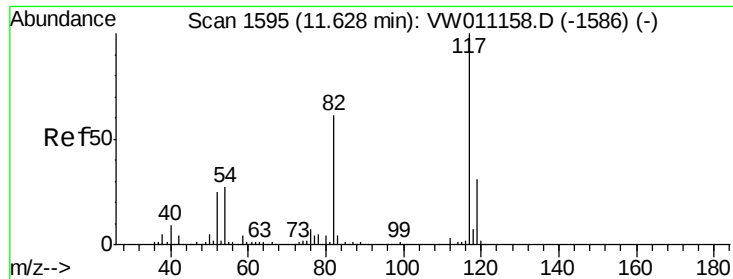
20000

0

Time-->

12.50 12.60 12.70

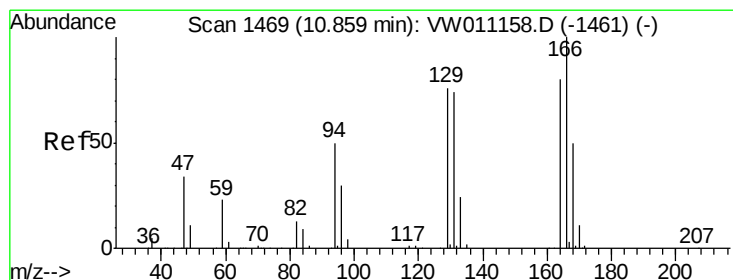
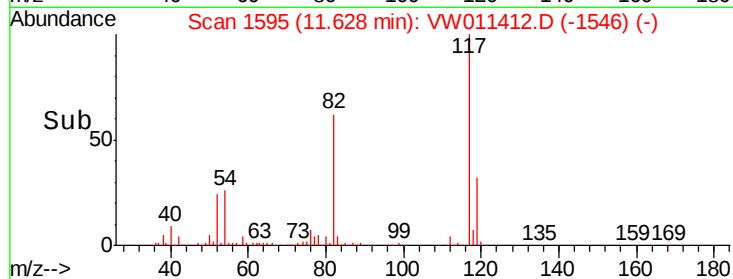
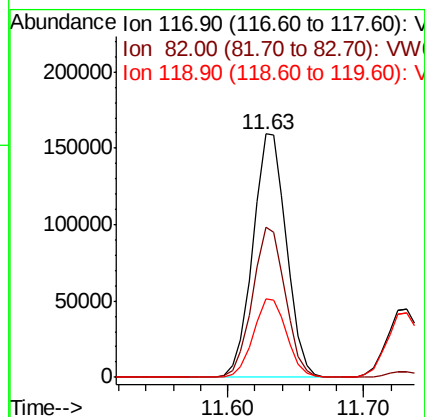
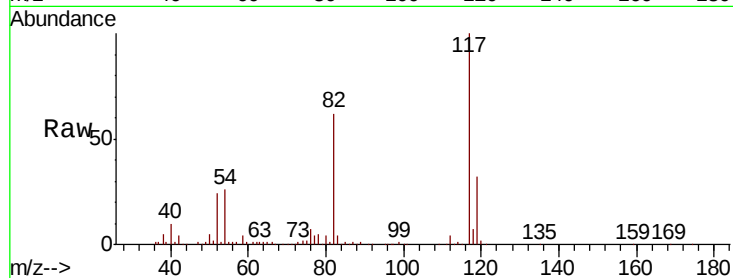




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

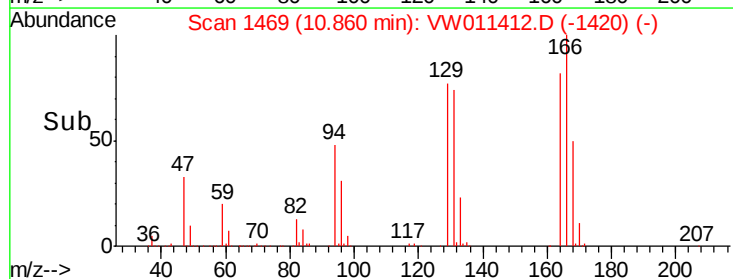
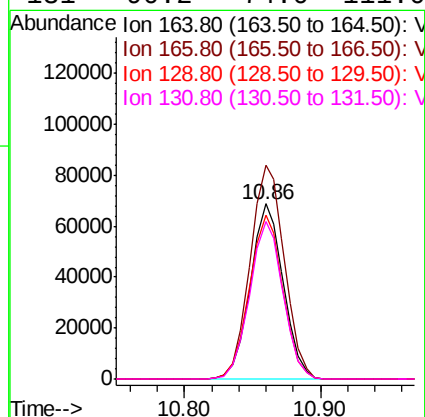
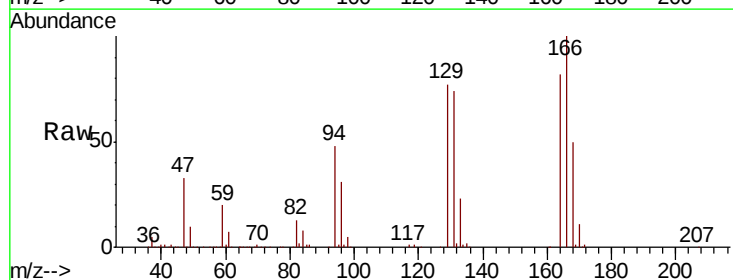
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

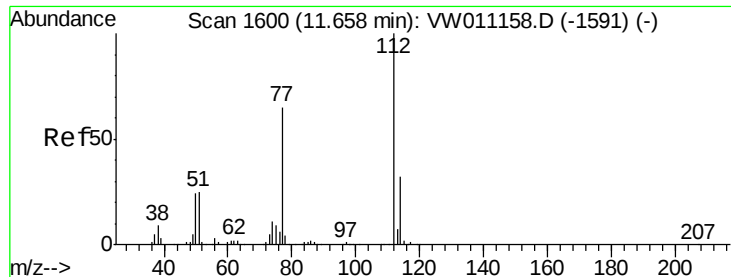
Tot Ion:117 Resp: 275470
Ion Ratio Lower Upper
117 100
82 61.8 48.9 73.3
119 32.3 25.0 37.6



#64
Tetrachloroethene
Concen: 62.828 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion:164 Resp: 116786
Ion Ratio Lower Upper
164 100
166 122.2 99.7 149.5
129 93.9 76.2 114.2
131 90.2 74.0 111.0

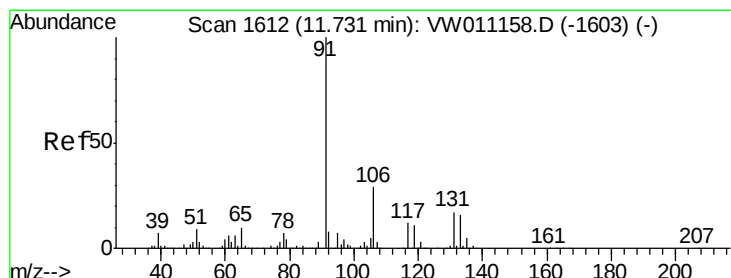
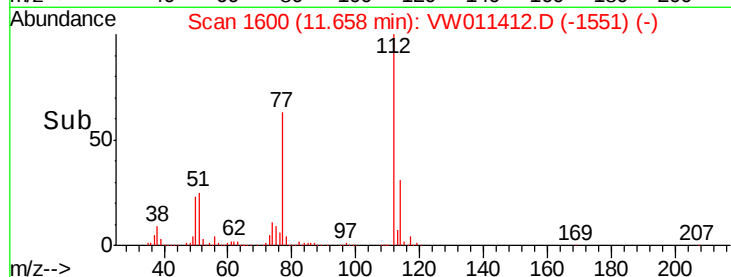
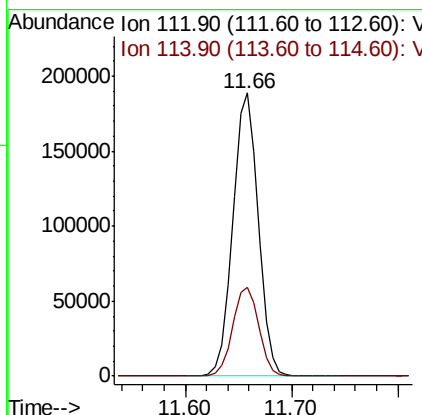
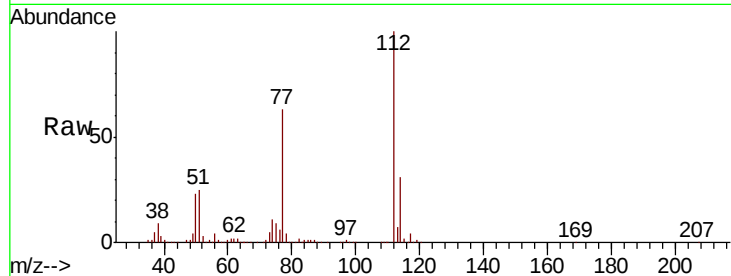




#65
Chlorobenzene
Concen: 56.364 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

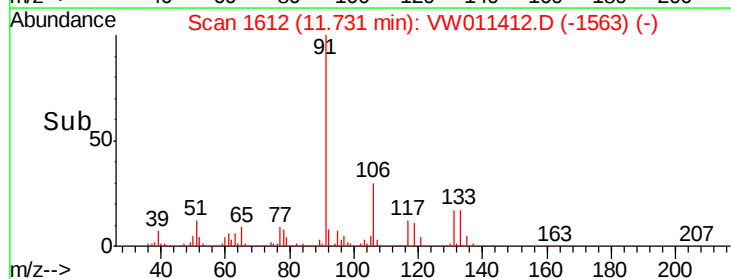
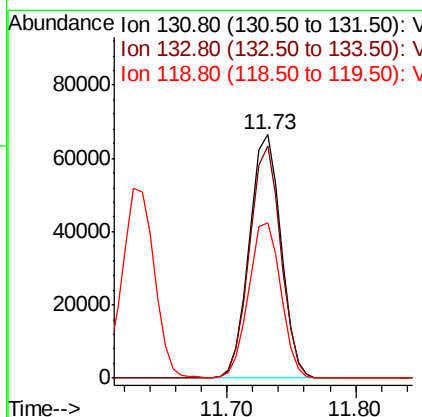
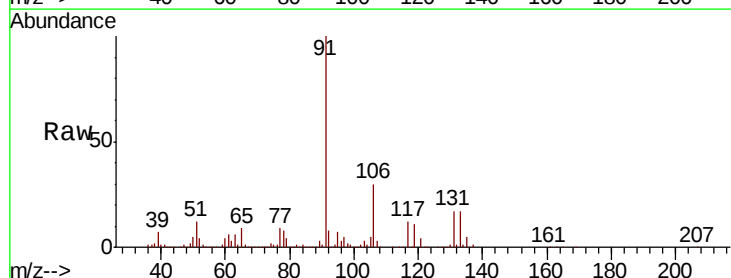
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

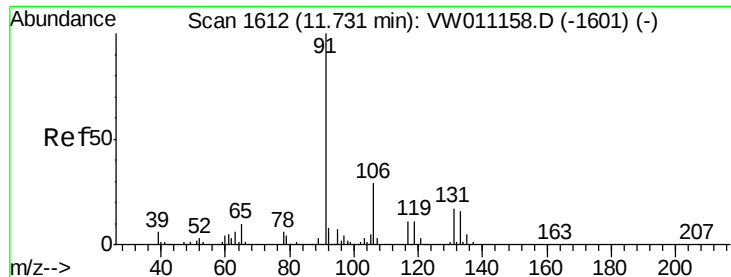
Tot Ion:112 Resp: 315674
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 57.110 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion:131 Resp: 112619
Ion Ratio Lower Upper
131 100
133 94.5 47.9 143.8
119 65.3 33.1 99.2

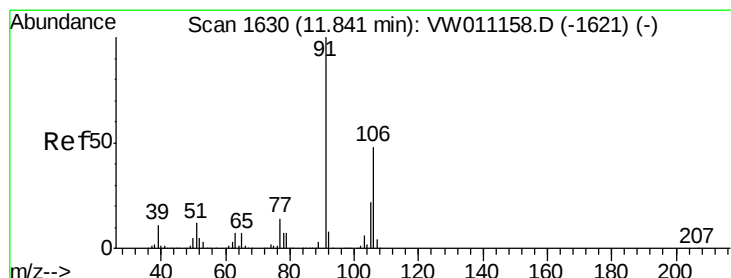
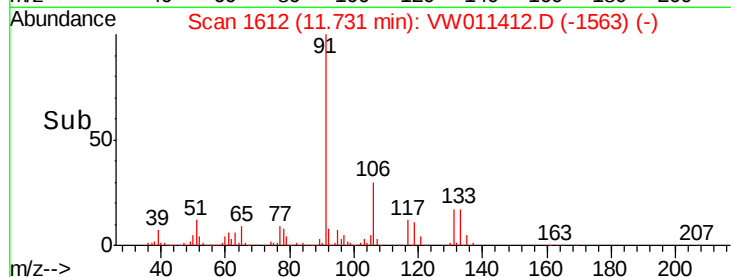
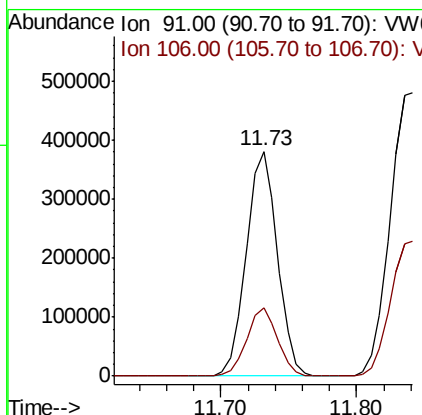
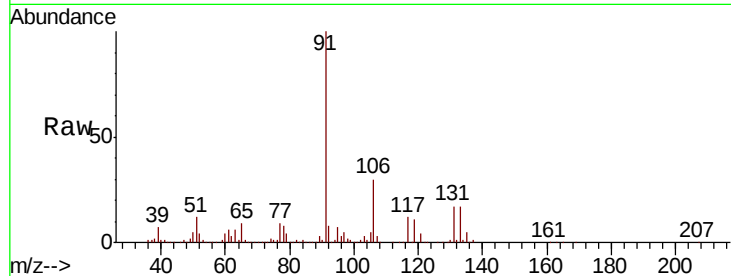




#67
Ethyl Benzene
Concen: 57.049 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

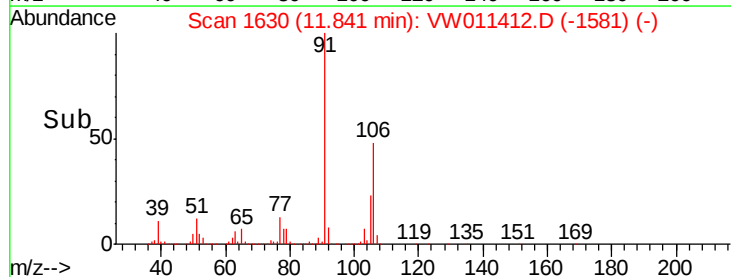
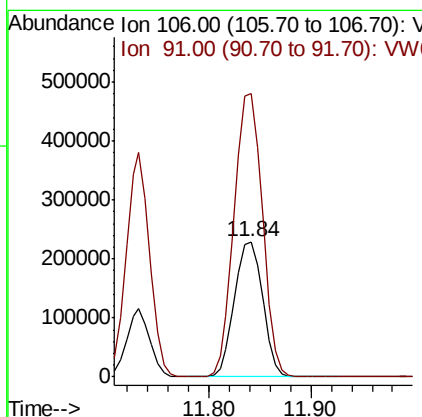
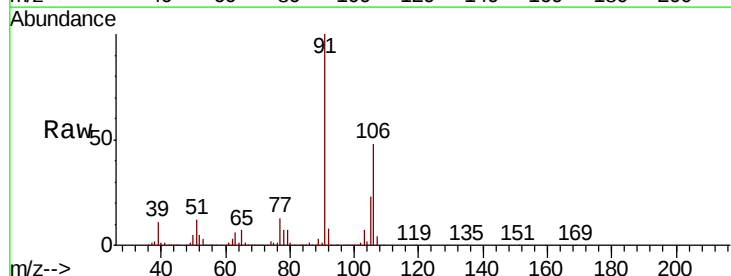
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

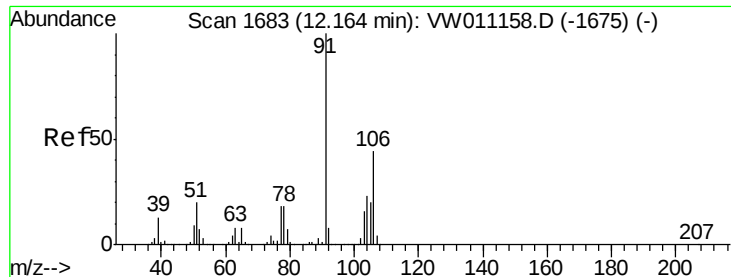
Tot Ion: 91 Resp: 611655
Ion Ratio Lower Upper
91 100
106 30.4 23.5 35.3



#68
m/p-Xylenes
Concen: 113.338 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 106 Resp: 439697
Ion Ratio Lower Upper
106 100
91 210.3 167.7 251.5

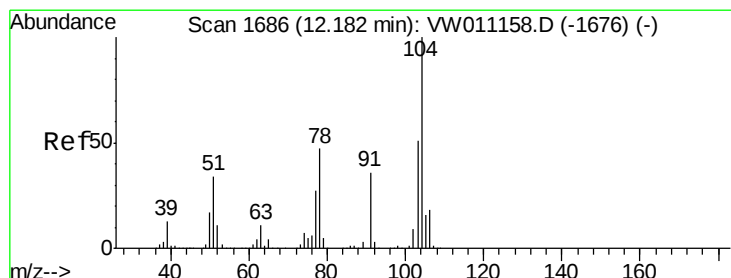
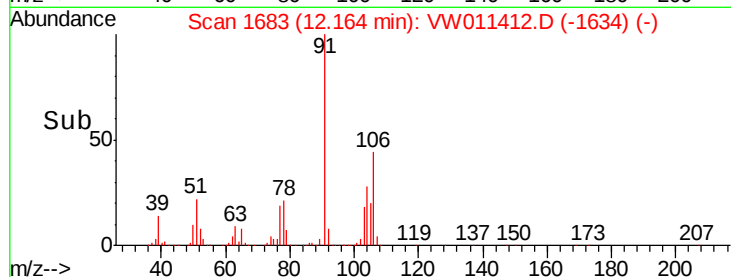
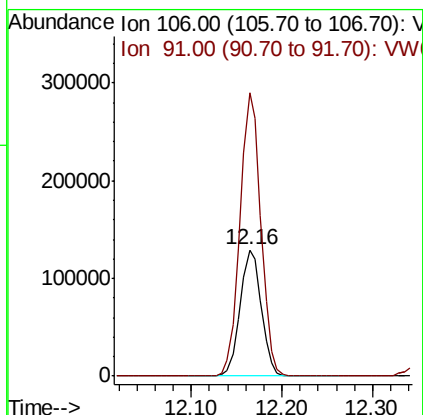
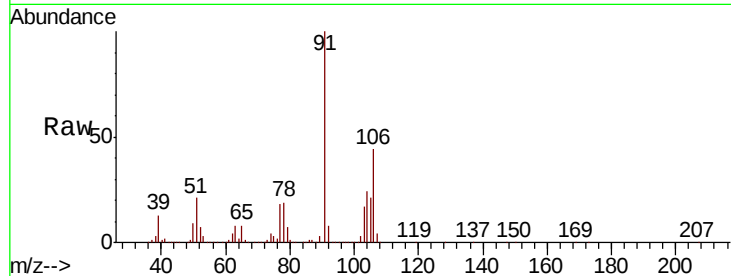




#69
o-Xylene
Concen: 57.209 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

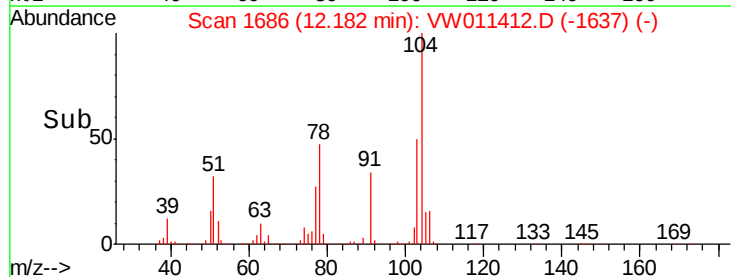
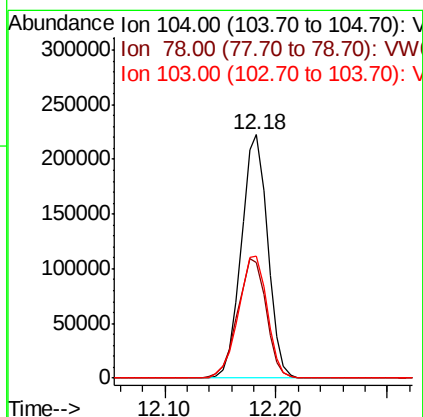
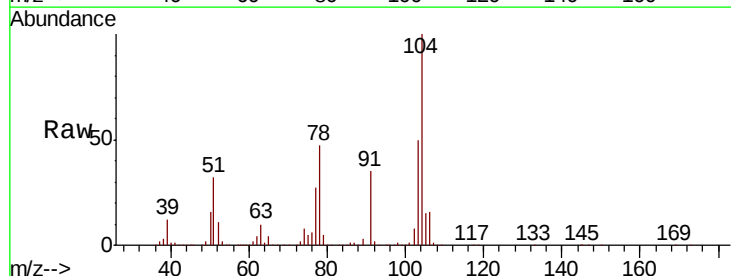
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

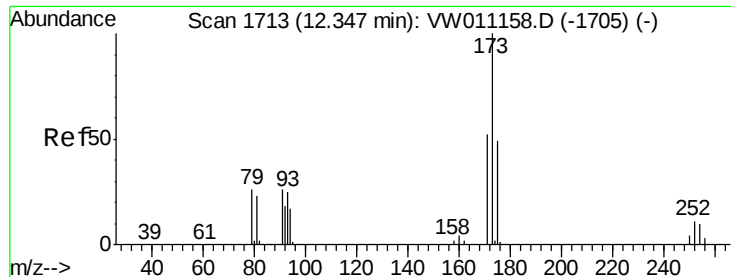
Tot Ion:106 Resp: 209184
Ion Ratio Lower Upper
106 100
91 220.6 110.7 332.1



#70
Styrene
Concen: 57.940 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion:104 Resp: 365632
Ion Ratio Lower Upper
104 100
78 53.3 43.1 64.7
103 54.7 44.1 66.1





#71

Bromoform

Concen: 58.475 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

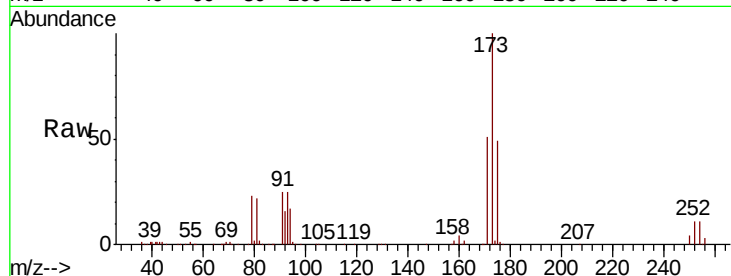
Tot Ion:173 Resp: 61309

Ion Ratio Lower Upper

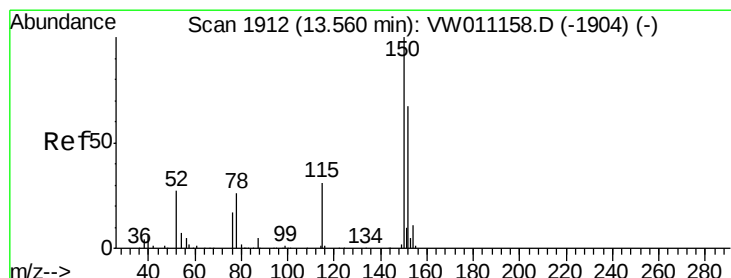
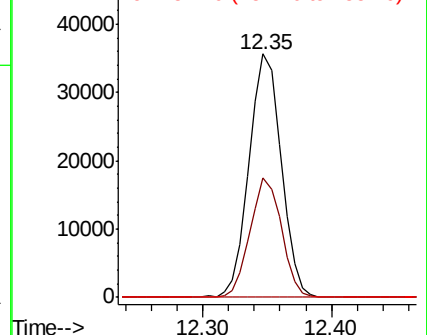
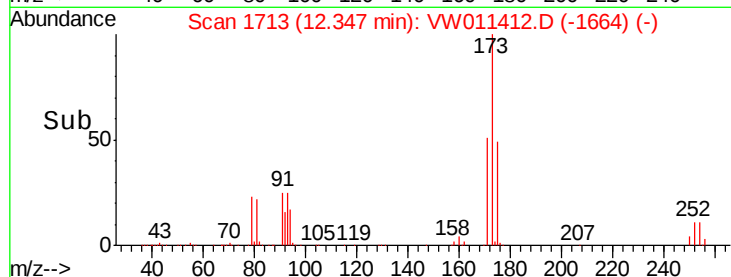
173 100

175 48.1 24.8 74.3

254 0.1 0.0 0.0#



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: VW011412.D

Acq: 20 Jul 2019 08:49

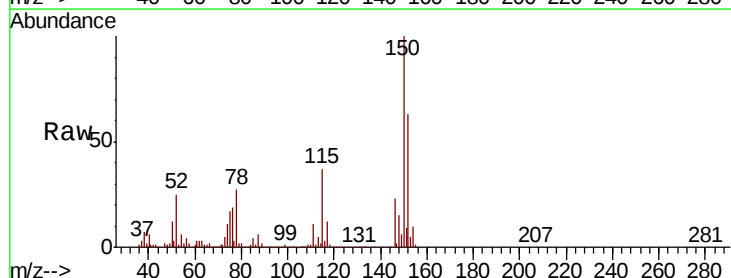
Tgt Ion:152 Resp: 132145

Ion Ratio Lower Upper

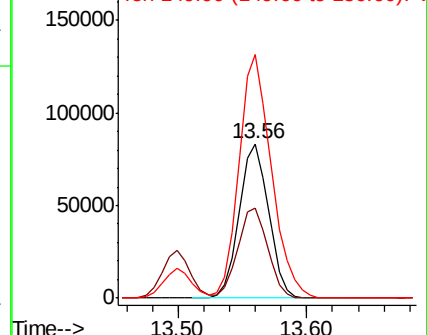
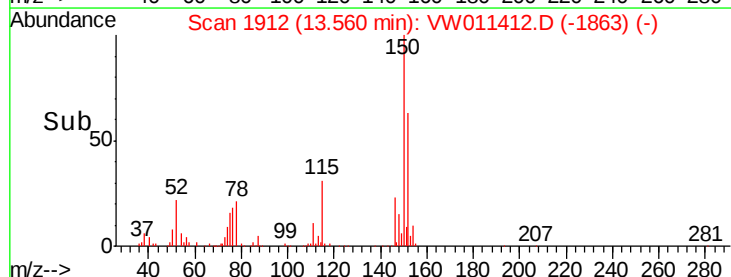
152 100

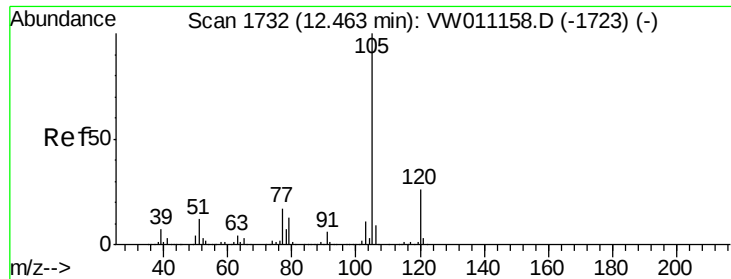
115 59.3 30.1 90.3

150 173.1 0.0 346.0



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





#73

Isopropylbenzene

Concen: 58.617 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

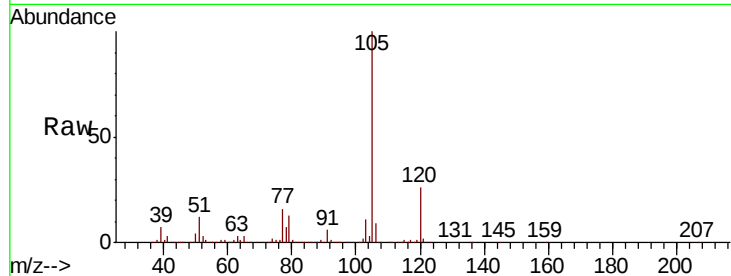
VSTDCCC050EC

Tot Ion:105 Resp: 579042

Ion Ratio Lower Upper

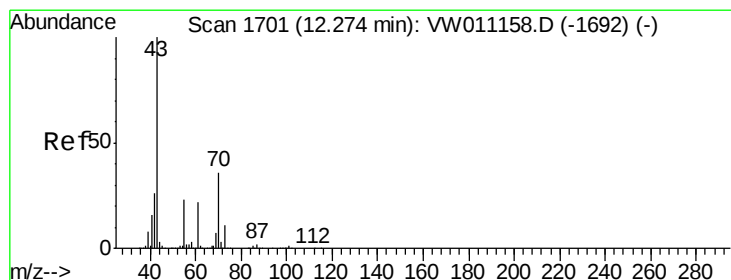
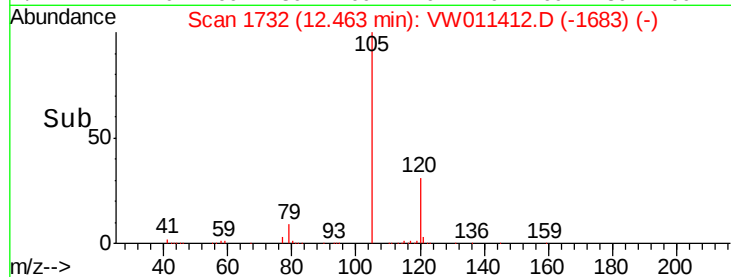
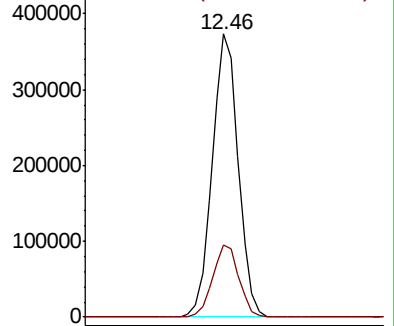
105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.056 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion: 43 Resp: 199733

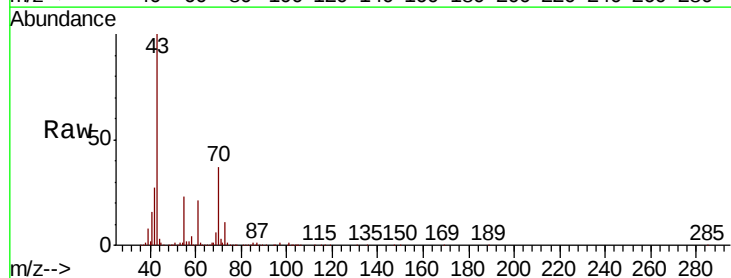
Ion Ratio Lower Upper

43 100

70 36.6 28.5 42.7

55 22.6 18.1 27.1

61 21.7 17.2 25.8

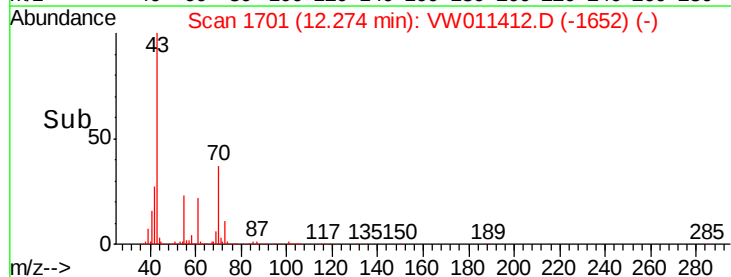
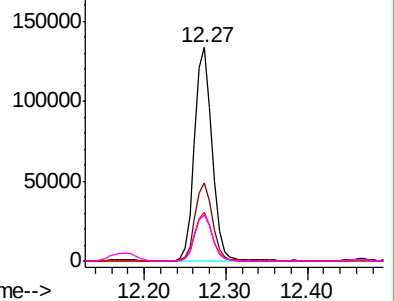


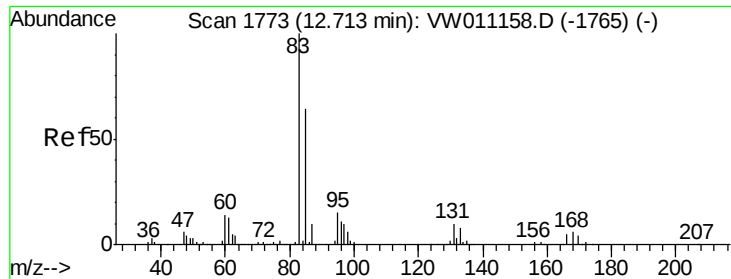
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 59.927 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

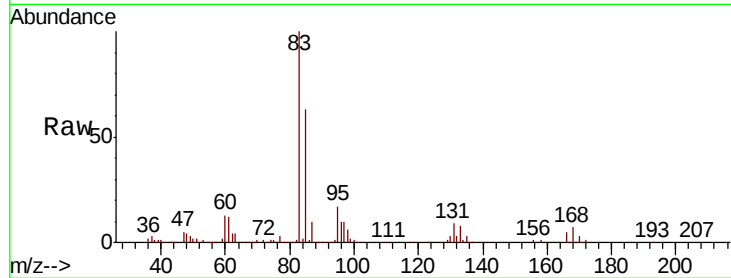
Tot Ion: 83 Resp: 121346

Ion Ratio Lower Upper

83 100

131 9.7 5.0 15.0

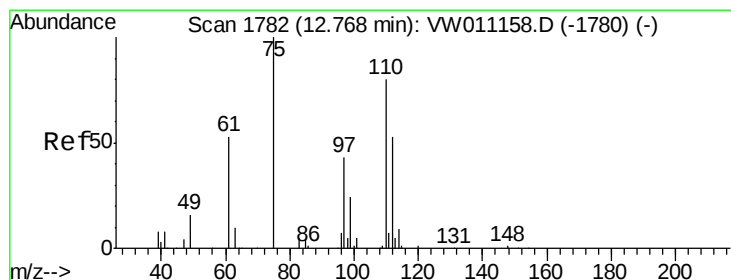
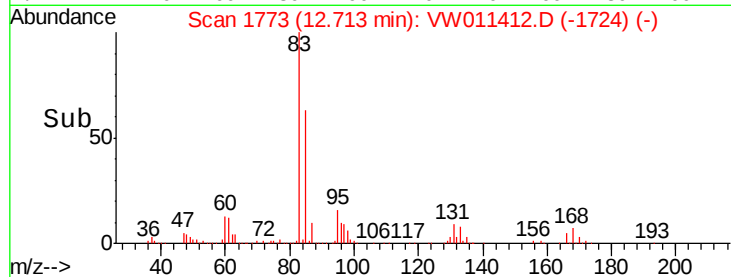
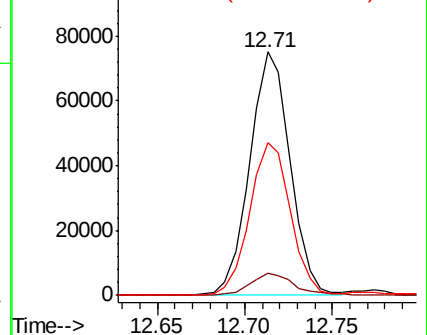
85 63.6 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 101.165 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011412.D

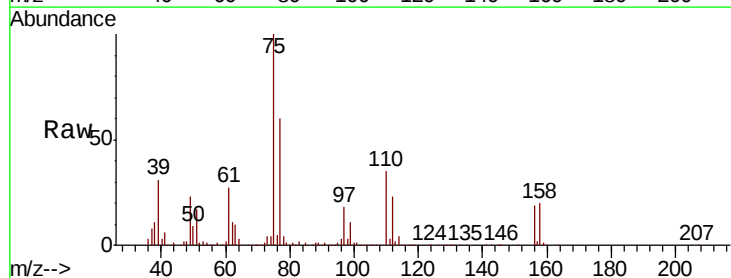
Acq: 20 Jul 2019 08:49

Tgt Ion: 75 Resp: 154489

Ion Ratio Lower Upper

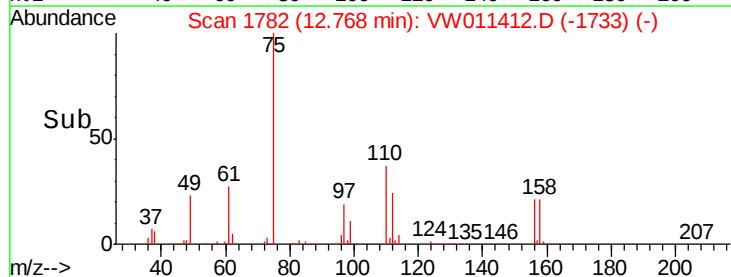
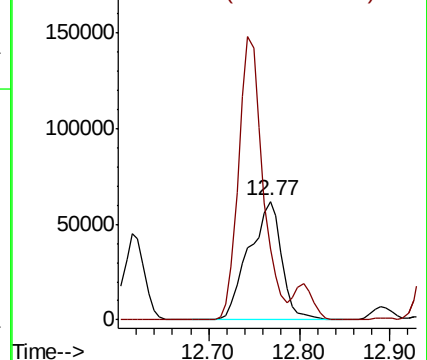
75 100

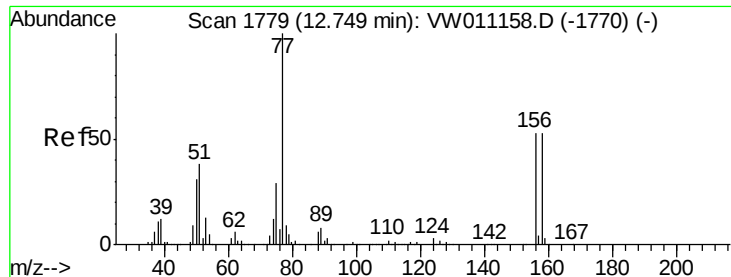
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 57.858 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

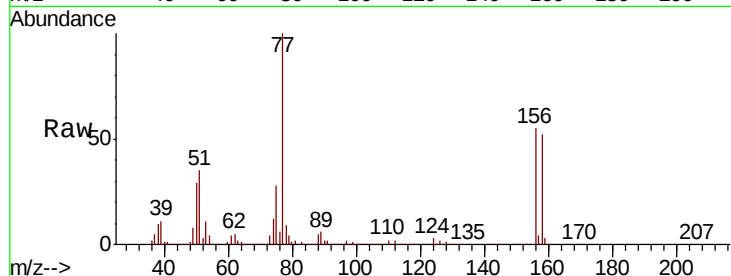
Tot Ion:156 Resp: 128264

Ion Ratio Lower Upper

156 100

77 215.5 109.0 327.0

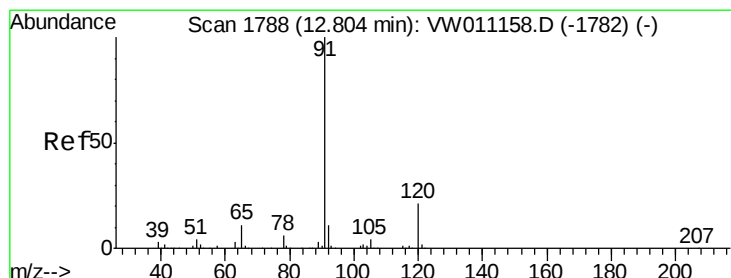
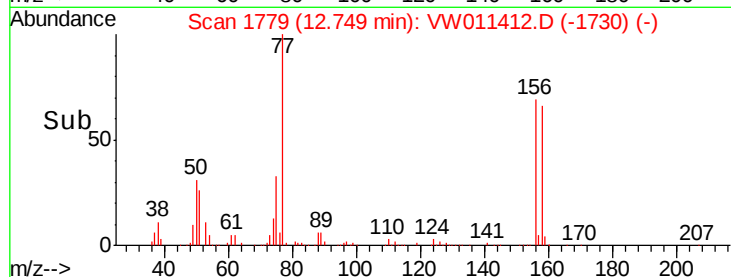
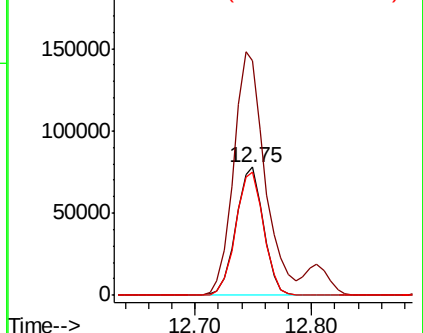
158 97.6 48.8 146.3



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: 57.181 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011412.D

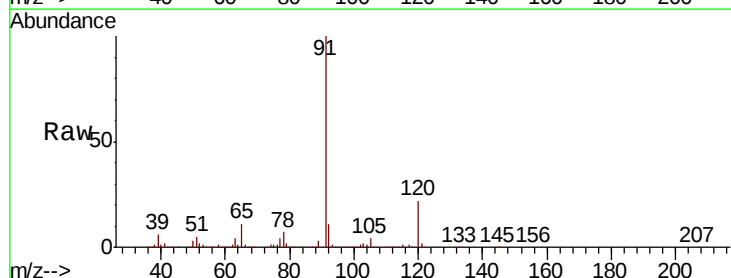
Acq: 20 Jul 2019 08:49

Tgt Ion: 91 Resp: 695820

Ion Ratio Lower Upper

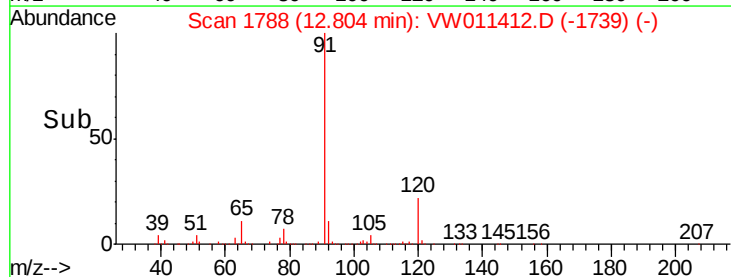
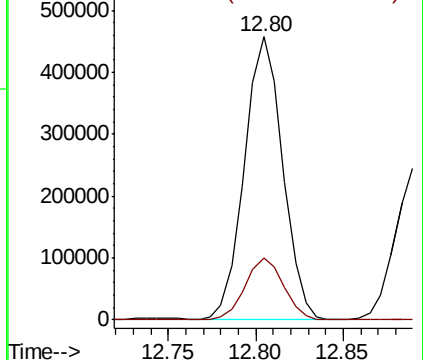
91 100

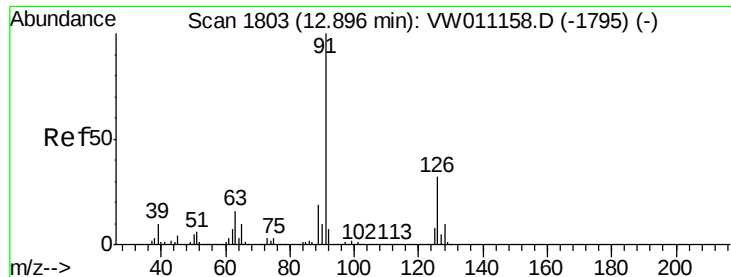
120 21.8 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.773 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

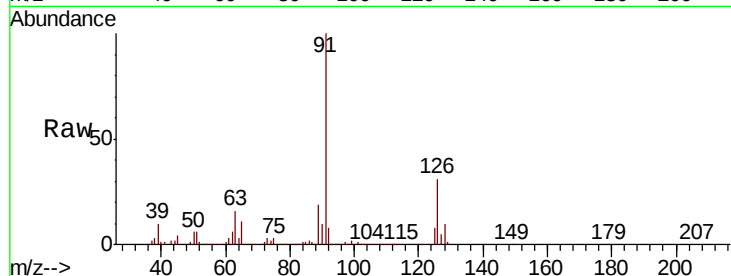
VSTDCCC050EC

Tot Ion: 91 Resp: 397554

Ion Ratio Lower Upper

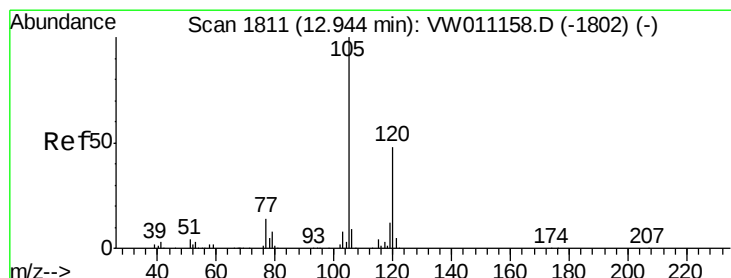
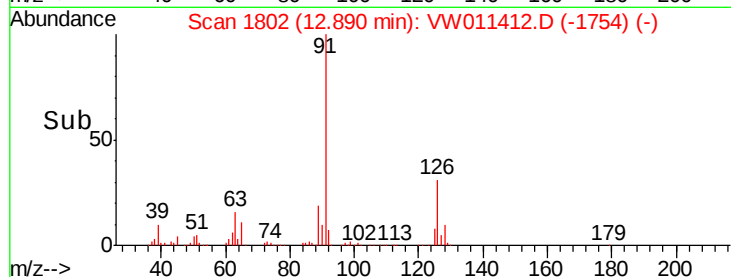
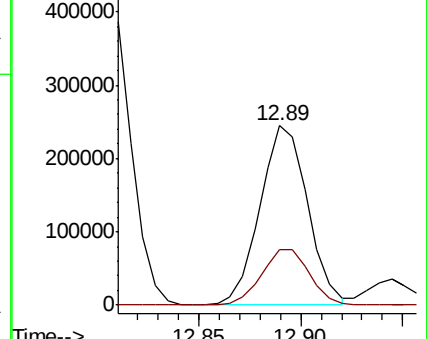
91 100

126 31.4 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.068 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011412.D

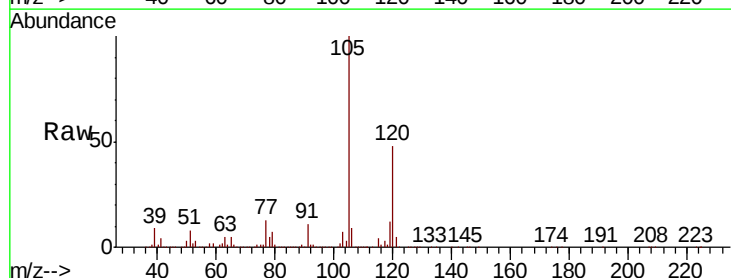
Acq: 20 Jul 2019 08:49

Tgt Ion:105 Resp: 487312

Ion Ratio Lower Upper

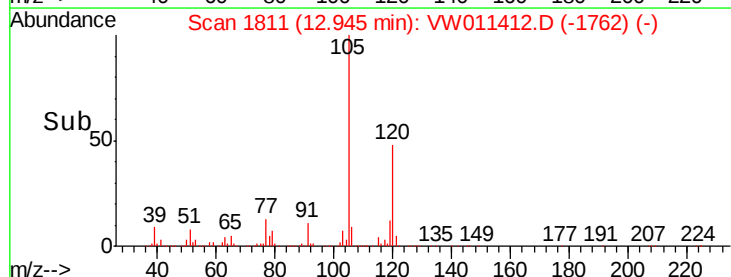
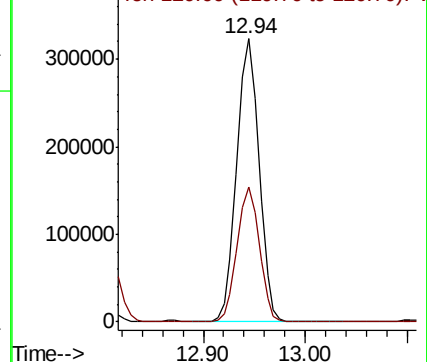
105 100

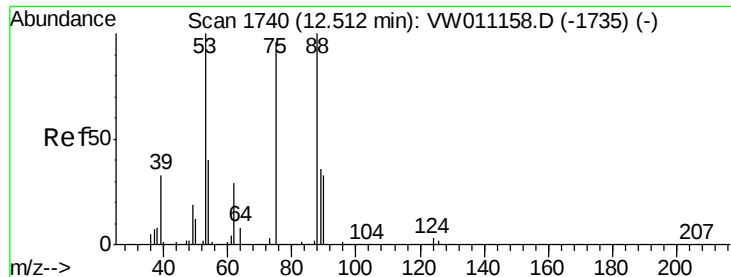
120 47.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.328 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

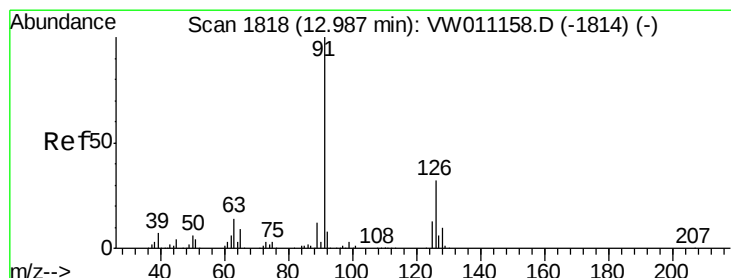
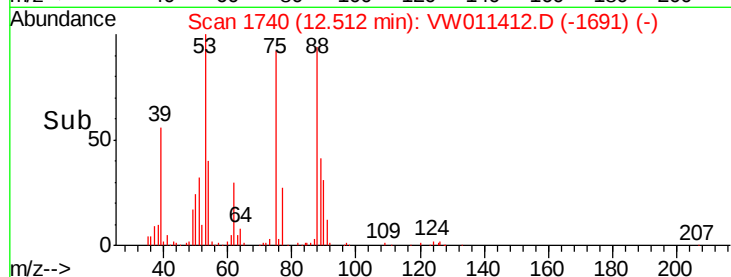
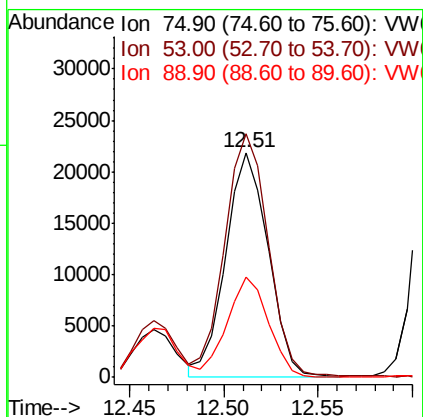
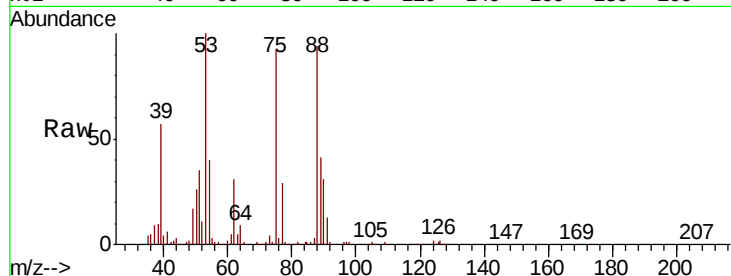
Tot Ion: 75 Resp: 33980

Ion Ratio Lower Upper

75 100

53 111.3 89.8 134.6

89 43.8 34.3 51.5



#82

4-Chlorotoluene

Concen: 56.583 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011412.D

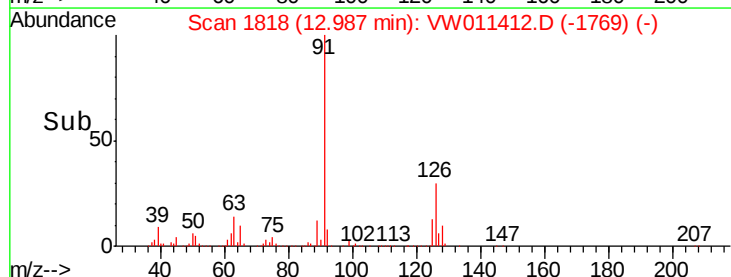
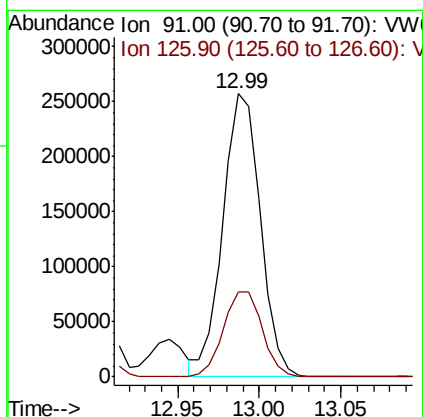
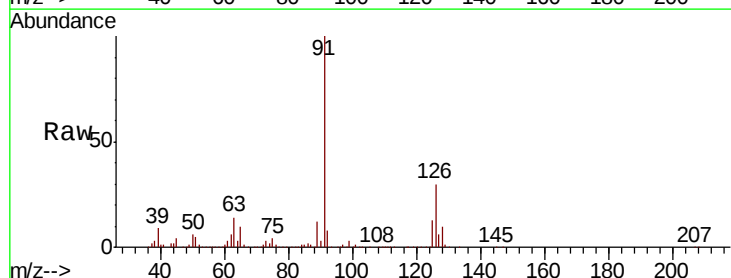
Acq: 20 Jul 2019 08:49

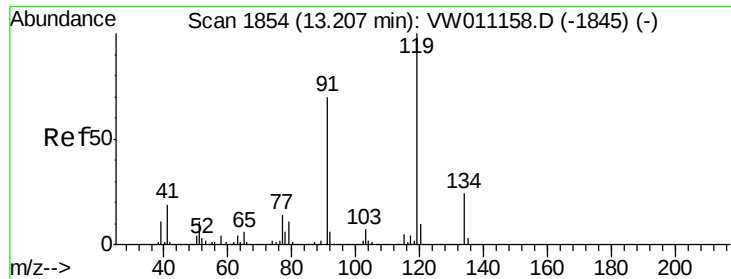
Tgt Ion: 91 Resp: 412690

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.1





#83

tert-Butylbenzene

Concen: 58.858 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

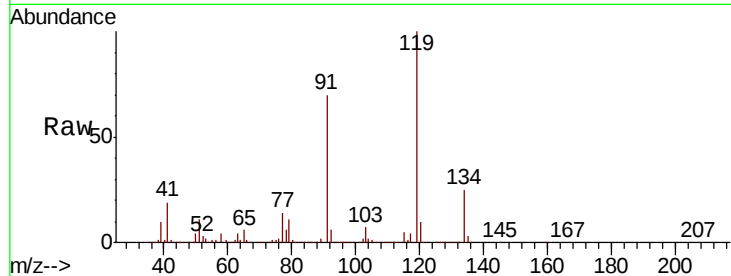
Tot Ion:119 Resp: 411944

Ion Ratio Lower Upper

119 100

91 68.4 35.4 106.3

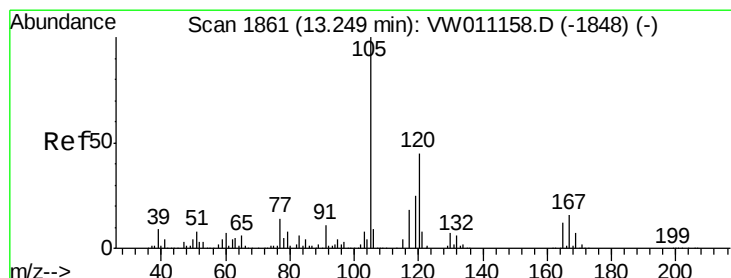
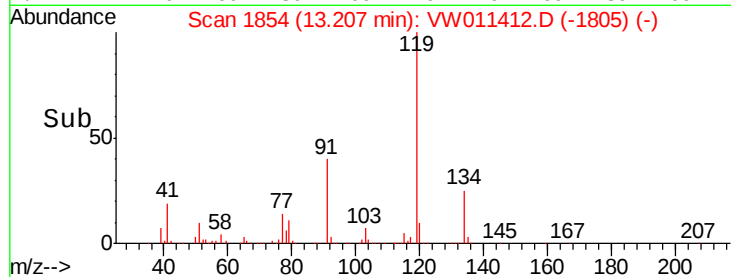
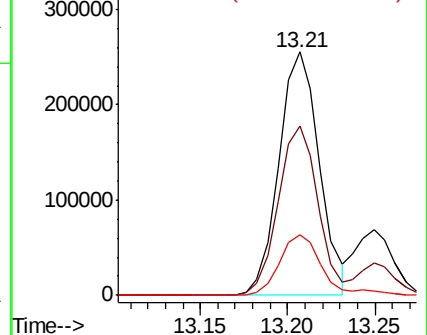
134 26.4 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 57.167 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW011412.D

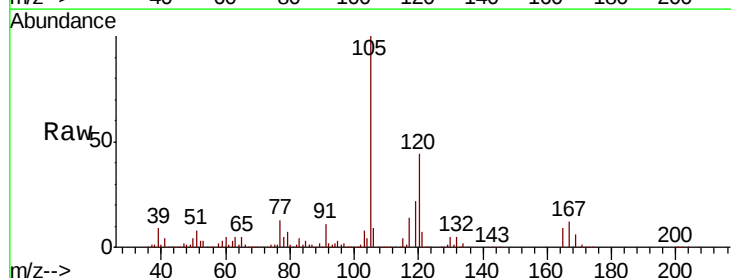
Acq: 20 Jul 2019 08:49

Tgt Ion:105 Resp: 481733

Ion Ratio Lower Upper

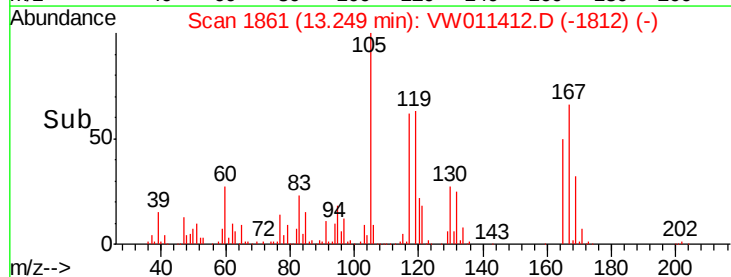
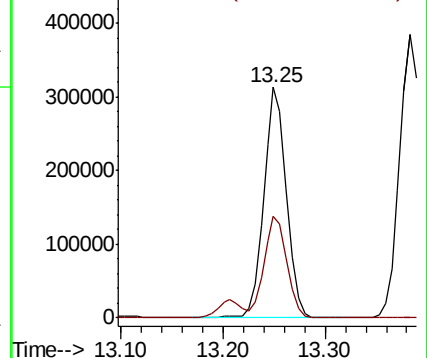
105 100

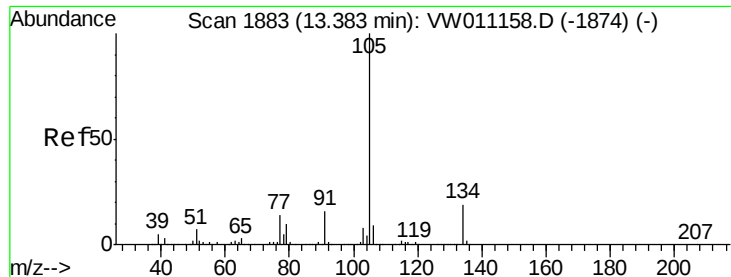
120 44.4 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 57.384 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

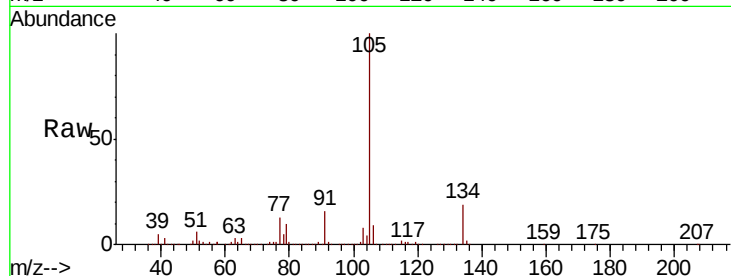
VSTDCCC050EC

Tot Ion:105 Resp: 579534

Ion Ratio Lower Upper

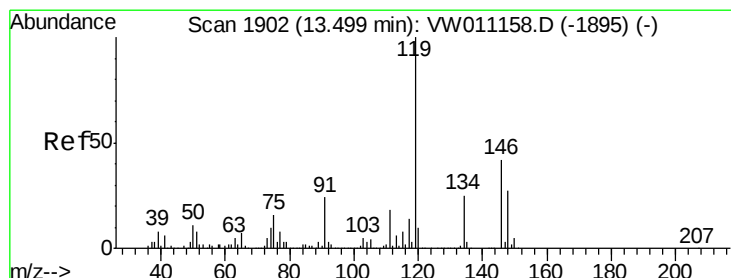
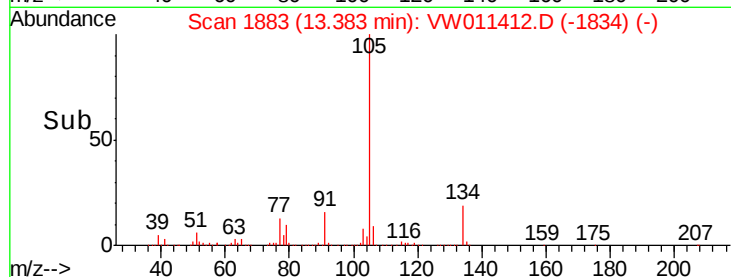
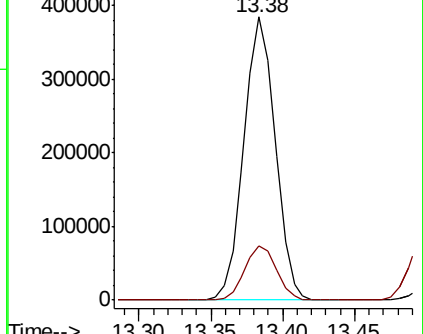
105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.212 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

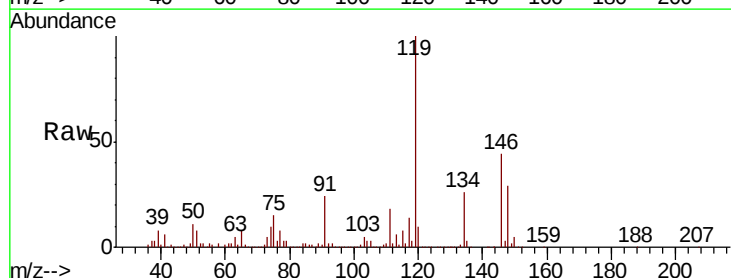
Tgt Ion:119 Resp: 518238

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

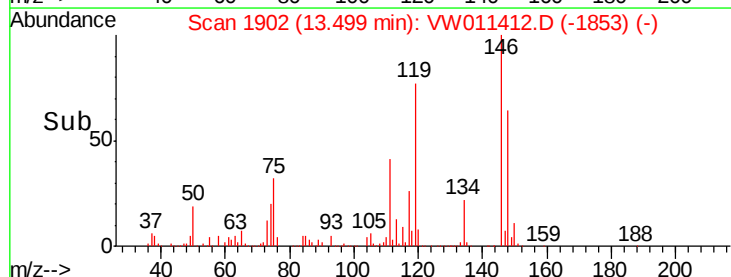
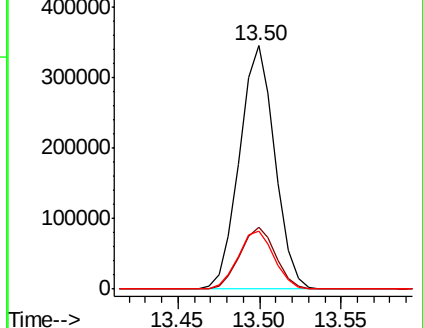
91 24.1 12.3 36.8

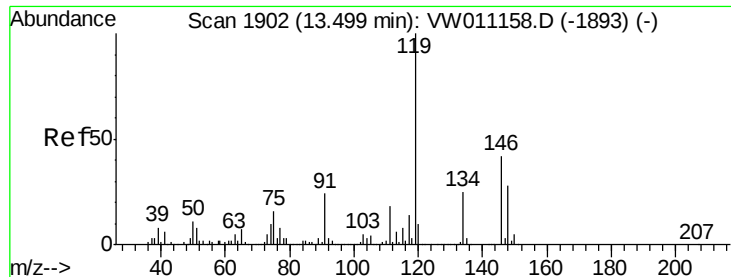


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

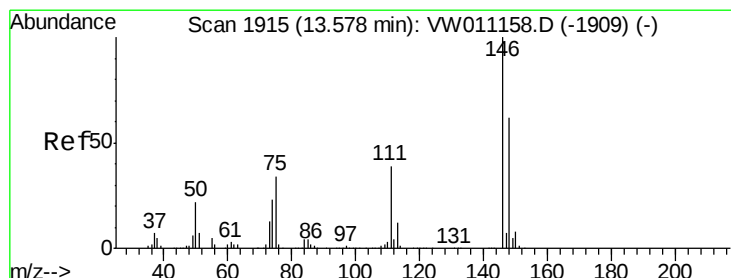
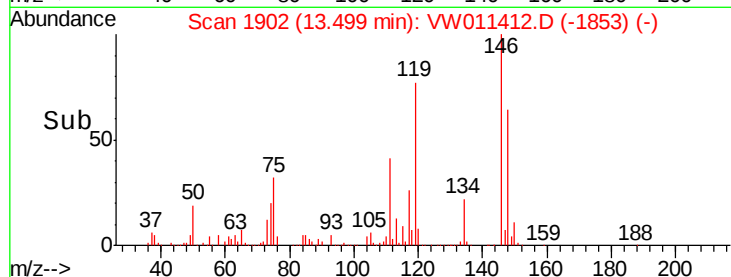
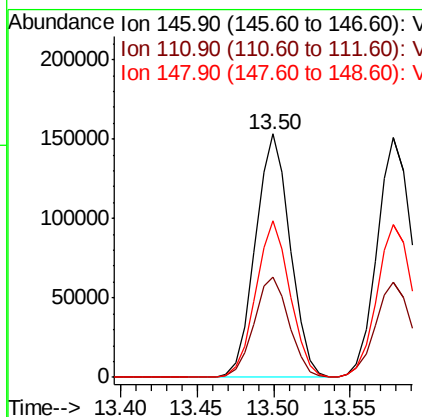
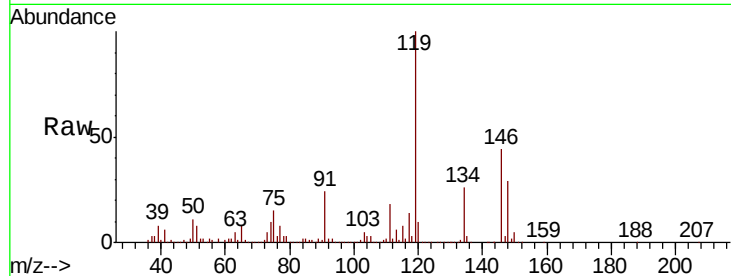




#87
 1,3-Dichlorobenzene
 Concen: 56.797 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

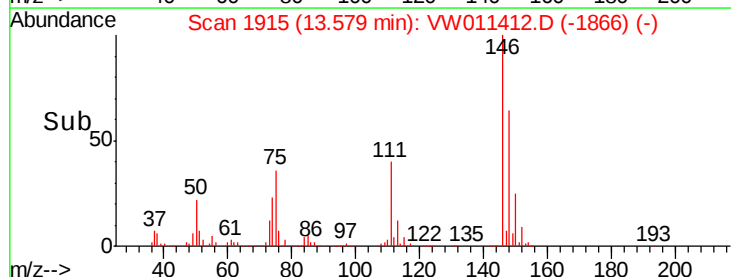
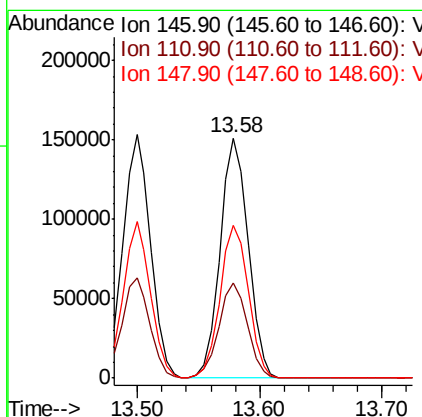
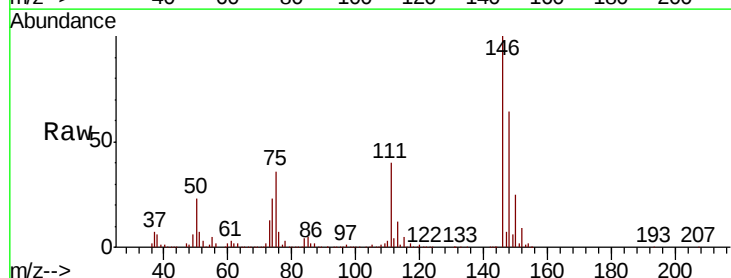
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

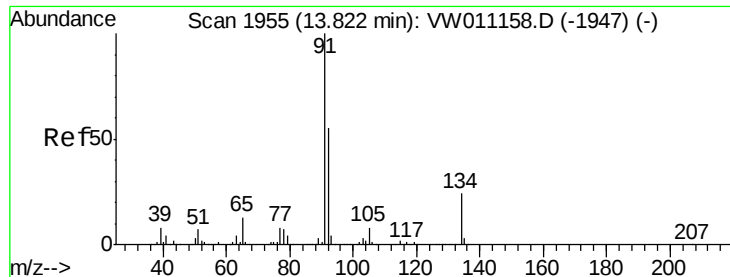
Tot Ion:146 Resp: 242256
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.1 63.1
 148 63.2 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 55.911 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Tgt Ion:146 Resp: 240141
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.9 59.7
 148 64.3 31.5 94.5





#89

n-Butylbenzene

Concen: 55.508 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

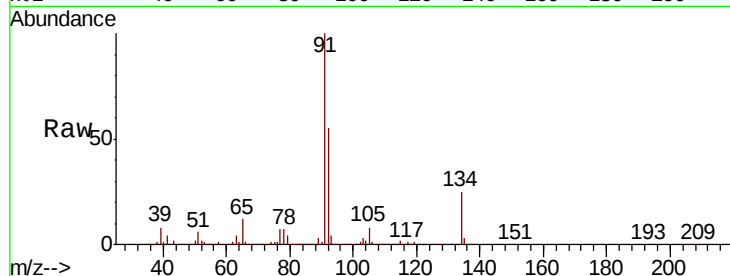
Tot Ion: 91 Resp: 501583

Ion Ratio Lower Upper

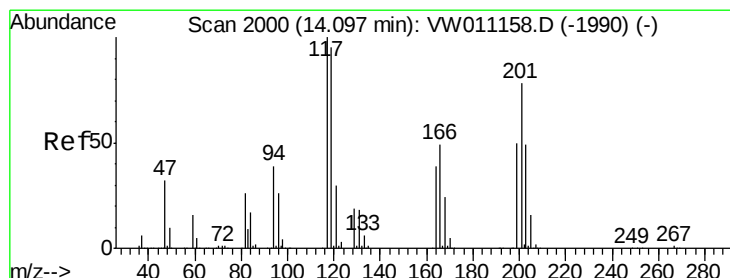
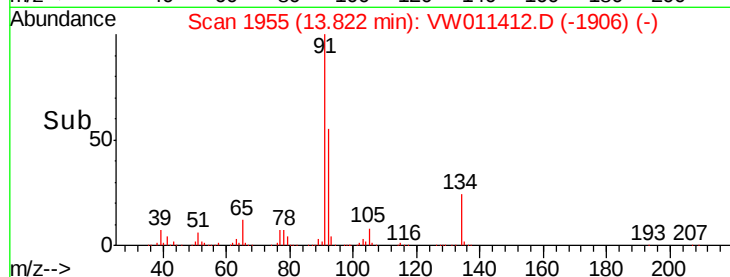
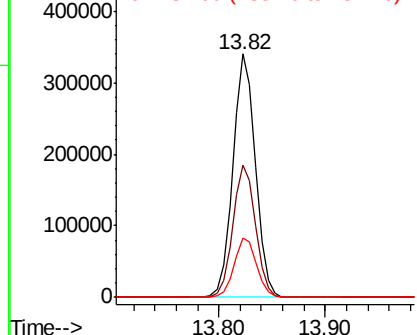
91 100

92 54.7 26.9 80.7

134 24.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 56.592 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011412.D

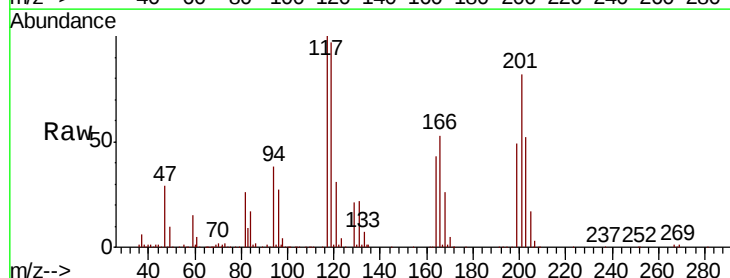
Acq: 20 Jul 2019 08:49

Tgt Ion: 117 Resp: 93674

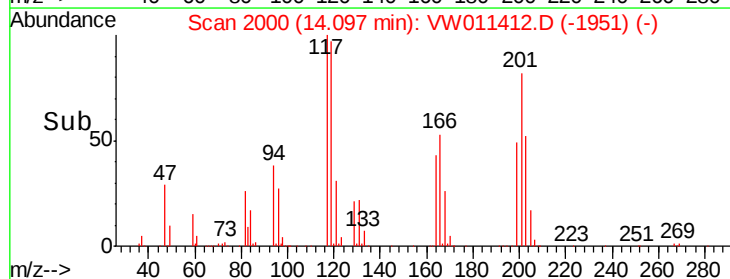
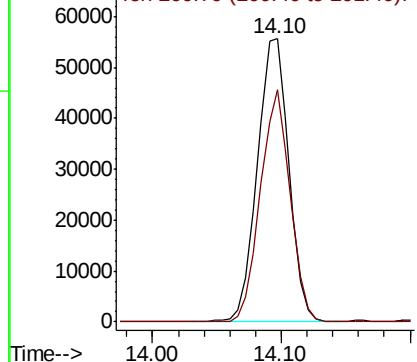
Ion Ratio Lower Upper

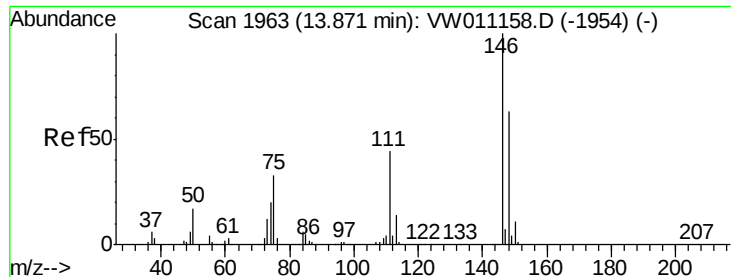
117 100

201 77.6 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 57.224 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

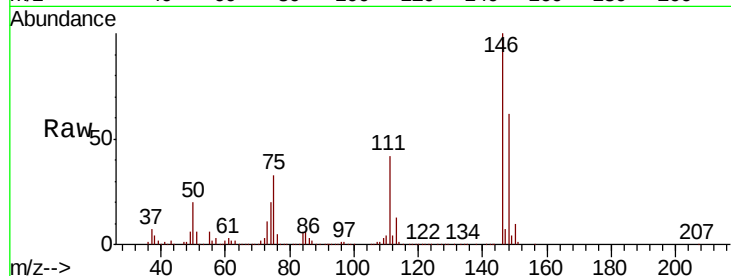
Tot Ion:146 Resp: 221429

Ion Ratio Lower Upper

146 100

111 42.7 21.6 65.0

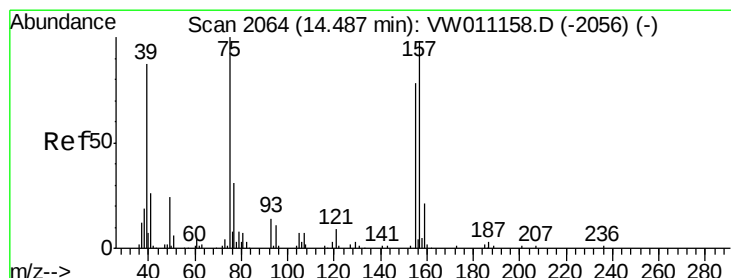
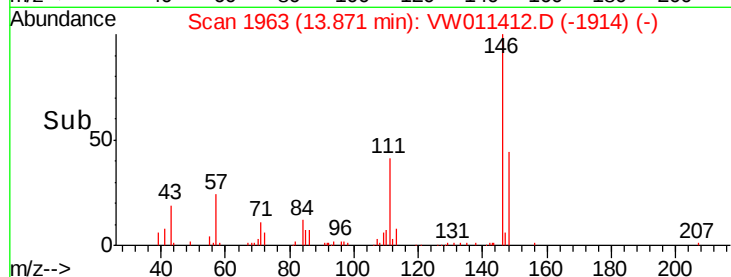
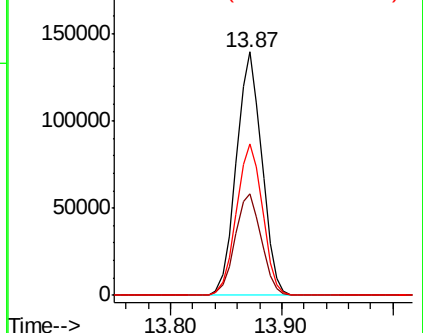
148 63.6 31.9 95.5



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: 59.339 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

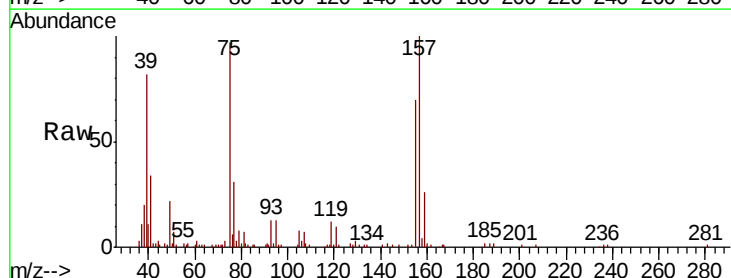
Tgt Ion: 75 Resp: 21313

Ion Ratio Lower Upper

75 100

155 74.0 37.1 111.3

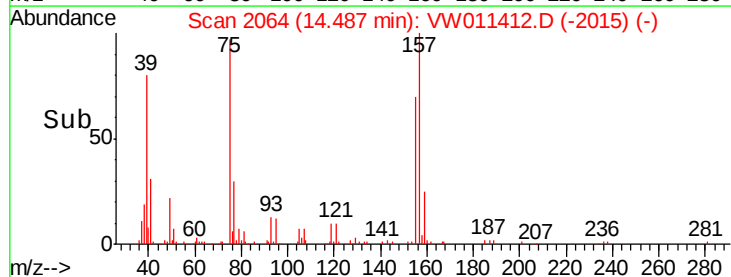
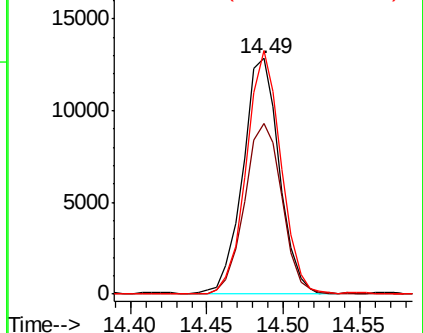
157 97.9 48.5 145.6

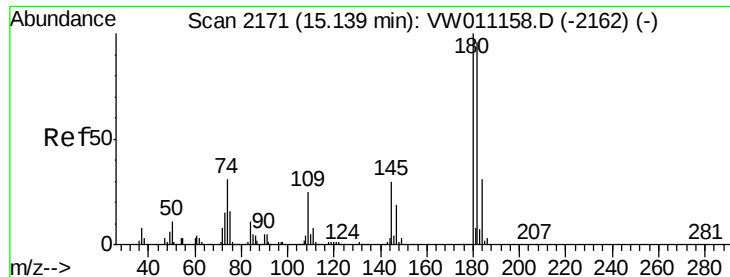


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

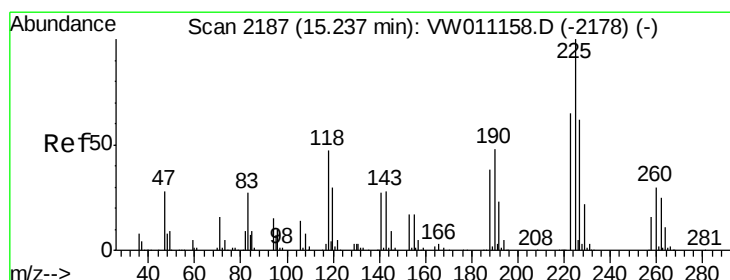
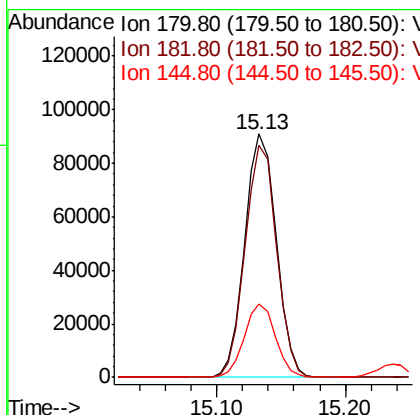
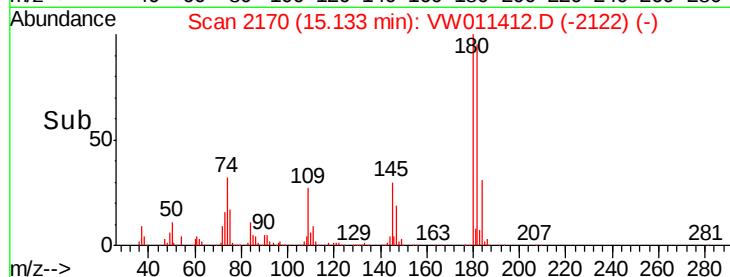
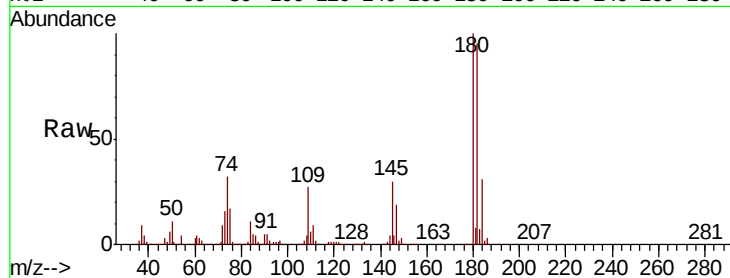




#93
 1,2,4-Trichlorobenzene
 Concen: 57.691 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

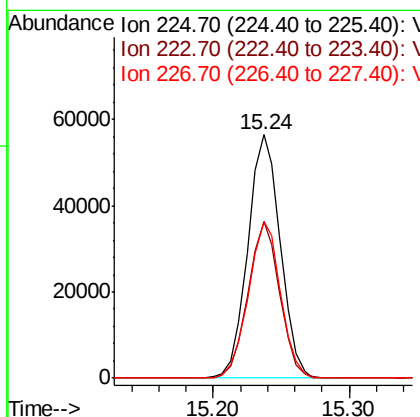
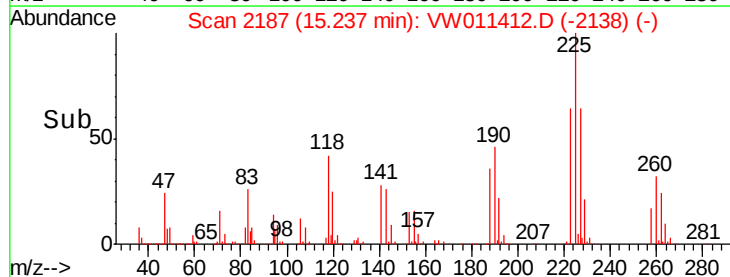
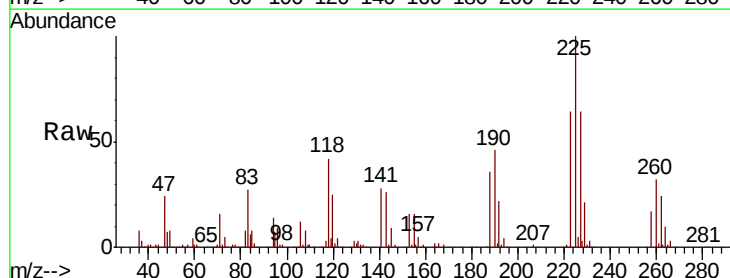
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

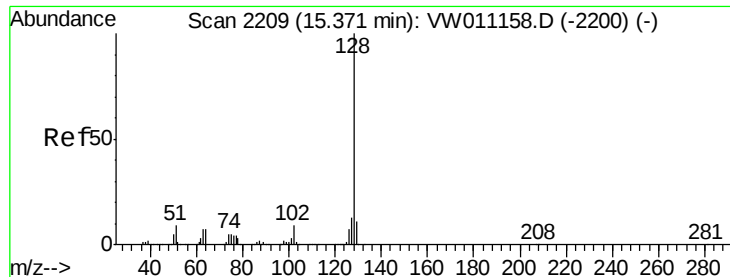
Tot Ion:180 Resp: 153759
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.3 144.9
 145 29.9 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 57.706 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Tgt Ion:225 Resp: 94423
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.6 95.0
 227 63.8 32.0 96.0

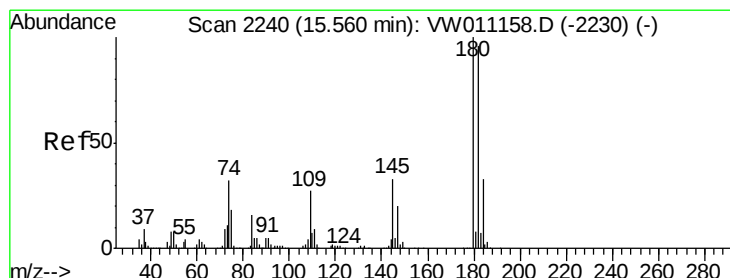
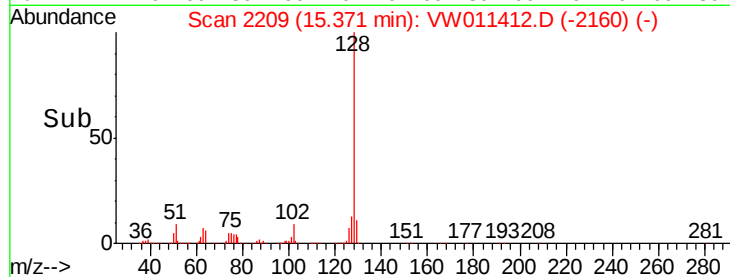
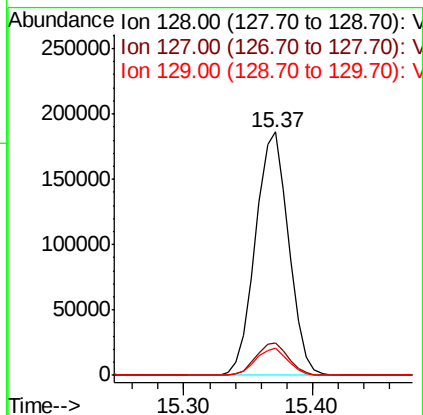
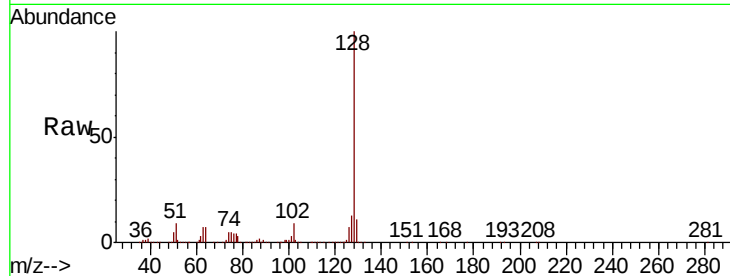




#95
Naphthalene
Concen: 64.923 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 331581
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 59.222 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion:180 Resp: 139302
Ion Ratio Lower Upper
180 100
182 95.4 47.6 142.8
145 32.7 16.5 49.5

