

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011229.D
 Acq On : 11 Jul 2019 15:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 12 08:32:32 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	196206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	127110	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
35) Dibromofluoromethane	7.88	113	102667	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
50) Toluene-d8	10.32	98	422100	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
62) 4-Bromofluorobenzene	12.62	95	153628	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	75893	51.864	ug/l	100
3) Chloromethane	2.21	50	103127	54.693	ug/l	98
4) Vinyl Chloride	2.36	62	134855	54.643	ug/l	97
5) Bromomethane	2.75	94	62483	50.385	ug/l	98
6) Chloroethane	2.90	64	71868	54.065	ug/l	98
7) Trichlorofluoromethane	3.23	101	47789	54.508	ug/l	99
8) Diethyl Ether	3.67	74	65808	54.248	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	115880	55.180	ug/l	98
10) Methyl Iodide	4.26	142	158990	55.045	ug/l	99
11) Tert butyl alcohol	5.17	59	42413	232.361	ug/l	99
12) 1,1-Dichloroethene	4.03	96	120556	55.310	ug/l	96
13) Acrolein	3.89	56	53033	364.870	ug/l	99
14) Allyl chloride	4.65	41	230006	57.868	ug/l	99
15) Acrylonitrile	5.35	53	158814	257.057	ug/l	99
16) Acetone	4.11	43	153271	258.378	ug/l	98
17) Carbon Disulfide	4.37	76	342477	51.828	ug/l	99
18) Methyl Acetate	4.66	43	78729	46.573	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	176645	53.412	ug/l	100
20) Methylene Chloride	4.90	84	130700	55.851	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	125164	55.264	ug/l	97
22) Diisopropyl ether	6.31	45	485618	56.805	ug/l	97
23) Vinyl Acetate	6.24	43	1488648	281.375	ug/l	100
24) 1,1-Dichloroethane	6.21	63	251798	56.091	ug/l	99
25) 2-Butanone	7.17	43	234468	251.798	ug/l	99
26) 2,2-Dichloropropane	7.15	77	117943	50.544	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	136913	56.040	ug/l	99
28) Bromochloromethane	7.51	49	109440	53.616	ug/l	100
29) Tetrahydrofuran	7.52	42	151937	248.841	ug/l	99
30) Chloroform	7.67	83	230575	55.462	ug/l	99
31) Cyclohexane	7.95	56	252101	52.788	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	171676	54.285	ug/l	100
36) 1,1-Dichloropropene	8.07	75	191386	56.034	ug/l	100
37) Ethyl Acetate	7.24	43	101877	49.644	ug/l	99
38) Carbon Tetrachloride	8.06	117	160035	55.272	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	236170	57.049	ug/l	99
40) Benzene	8.32	78	534281	56.602	ug/l	100
41) Methacrylonitrile	7.48	41	60124	51.226	ug/l	98
42) 1,2-Dichloroethane	8.40	62	167250	54.621	ug/l	99
43) Isopropyl Acetate	8.42	43	198515	51.237	ug/l	99
44) Trichloroethene	9.09	130	127604	56.177	ug/l	98
45) 1,2-Dichloropropane	9.37	63	144617	56.577	ug/l	100
46) Dibromomethane	9.45	93	64780	53.950	ug/l	99
47) Bromodichloromethane	9.64	83	170296	55.430	ug/l	98
48) Methyl methacrylate	9.43	41	96173	51.596	ug/l	98
49) 1,4-Dioxane	9.44	88	22668	1131.006	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	514453	254.189	ug/l	100
52) Toluene	10.38	92	328816	57.426	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	175894	53.786	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	212017	55.080	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	92938	54.559	ug/l	97
56) Ethyl methacrylate	10.65	69	138064	53.236	ug/l	98
57) 1,3-Dichloropropane	10.93	76	175178	54.383	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	330391	274.796	ug/l	99
59) 2-Hexanone	10.97	43	354723	252.728	ug/l	100
60) Dibromochloromethane	11.13	129	102491	54.869	ug/l	99
61) 1,2-Dibromoethane	11.23	107	86270	53.466	ug/l	100
64) Tetrachloroethene	10.86	164	105534	54.250	ug/l	96
65) Chlorobenzene	11.66	112	330726	56.425	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	114940	55.694	ug/l	99
67) Ethyl Benzene	11.73	91	641967	57.213	ug/l	100
68) m/p-Xylenes	11.84	106	465607	114.678	ug/l	99
69) o-Xylene	12.16	106	217930	56.950	ug/l	99
70) Styrene	12.18	104	378734	57.347	ug/l	100
71) Bromoform	12.35	173	54976	50.102	ug/l #	99
73) Isopropylbenzene	12.46	105	603351	56.160	ug/l	100
74) N-amyl acetate	12.27	43	193062	51.598	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	109915	49.910	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	144033	86.723	ug/l #	100
77) Bromobenzene	12.75	156	130661	54.193	ug/l	99
78) n-propylbenzene	12.80	91	745780	56.352	ug/l	100
79) 2-Chlorotoluene	12.89	91	422317	55.453	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	513999	56.315	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33706	45.902	ug/l	98
82) 4-Chlorotoluene	12.99	91	439716	55.434	ug/l	100
83) tert-Butylbenzene	13.21	119	430316	56.532	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	514993	56.193	ug/l	100
85) sec-Butylbenzene	13.38	105	619369	56.390	ug/l	99
86) p-Isopropyltoluene	13.50	119	561018	56.948	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	260247	56.102	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	254949	54.579	ug/l	98
89) n-Butylbenzene	13.82	91	571210	58.123	ug/l	99
90) Hexachloroethane	14.10	117	97884	54.374	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	229691	54.579	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18214	46.627	ug/l	98

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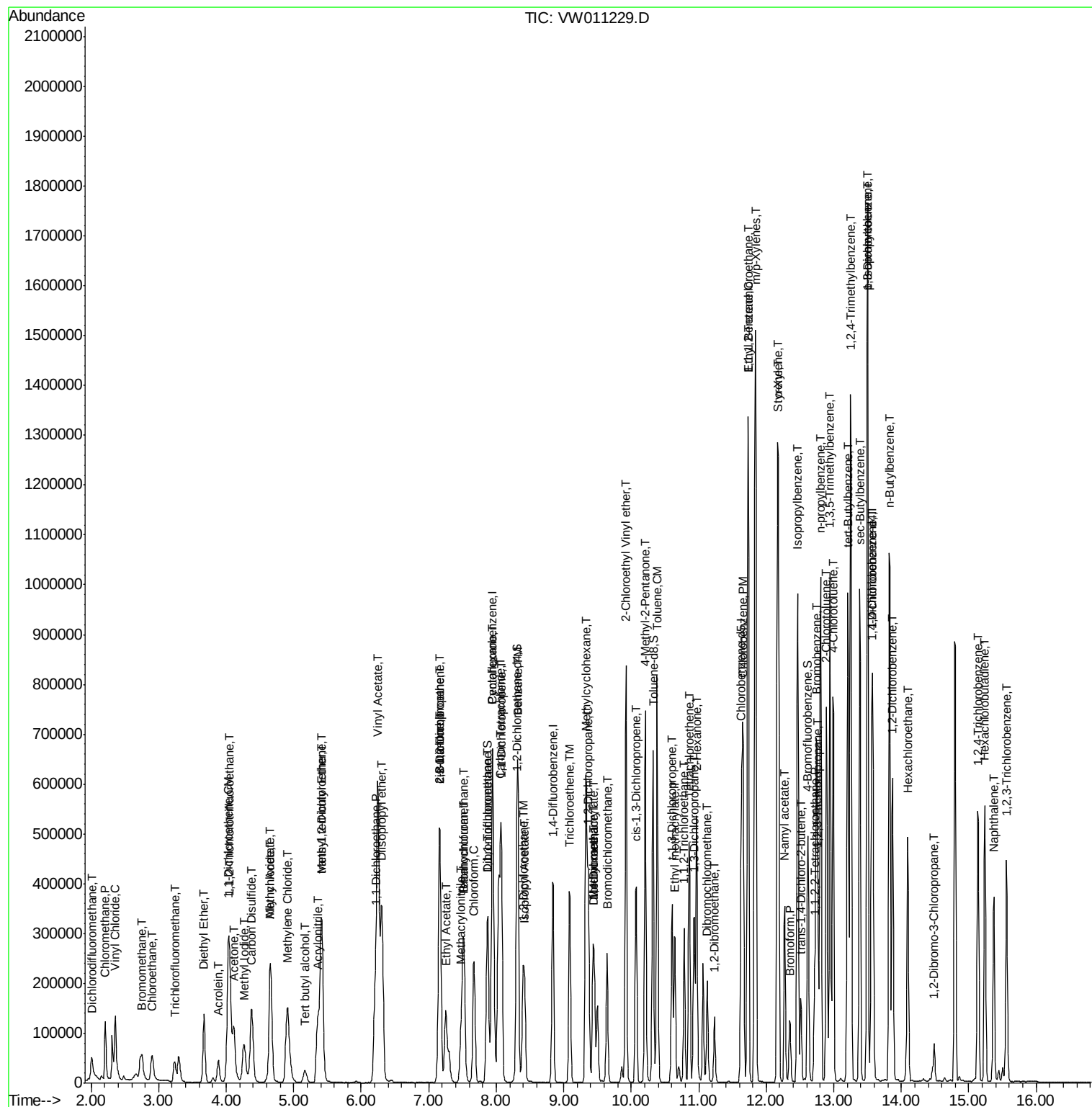
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	168550	58.148	ug/l	99
94) Hexachlorobutadiene	15.24	225	103517	58.170	ug/l	100
95) Naphthalene	15.37	128	306000	55.090	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	145796	56.992	ug/l	100

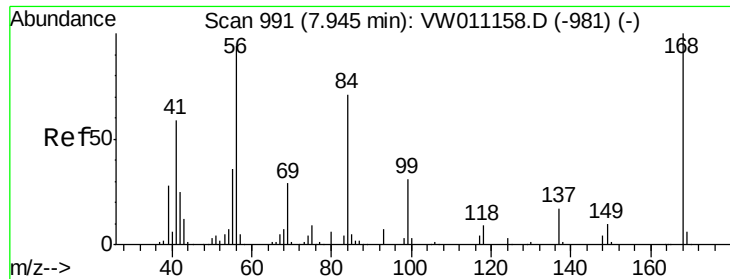
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011229.D

Acq: 11 Jul 2019 15:29

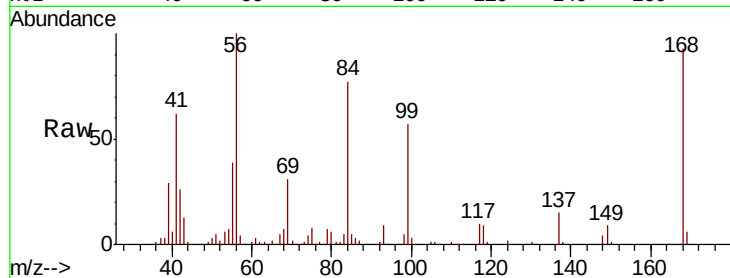
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 196206

Ion Ratio Lower Upper

168 100

99 61.2 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

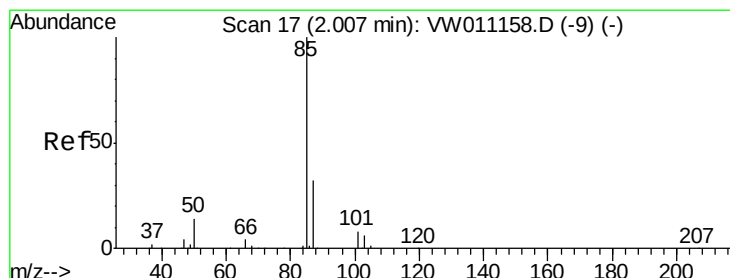
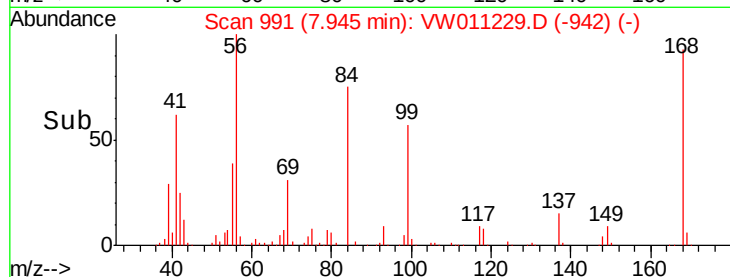
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 51.864 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011229.D

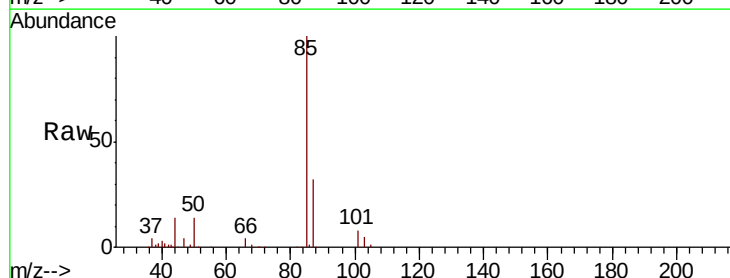
Acq: 11 Jul 2019 15:29

Tgt Ion: 85 Resp: 75893

Ion Ratio Lower Upper

85 100

87 31.9 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

30000

25000

20000

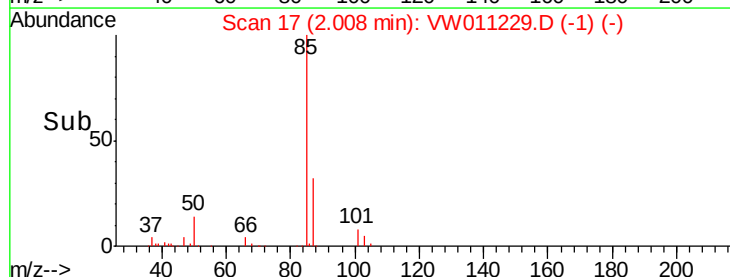
15000

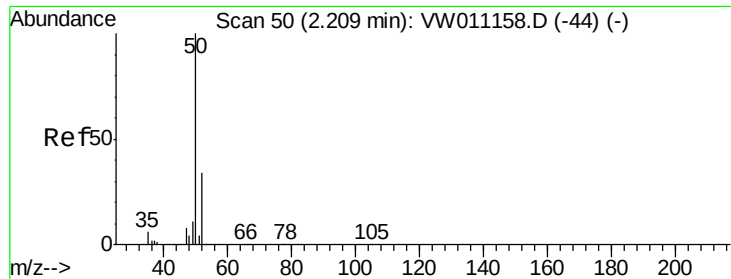
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 54.693 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

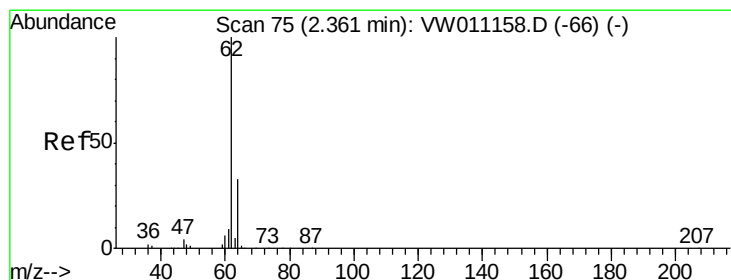
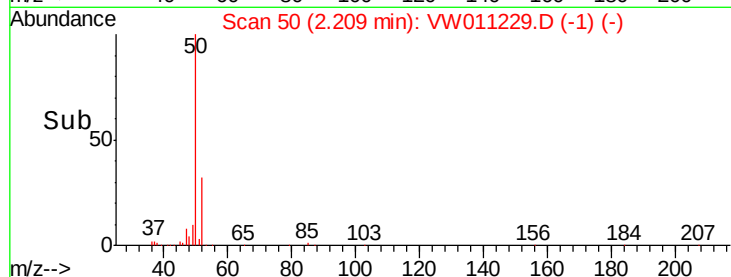
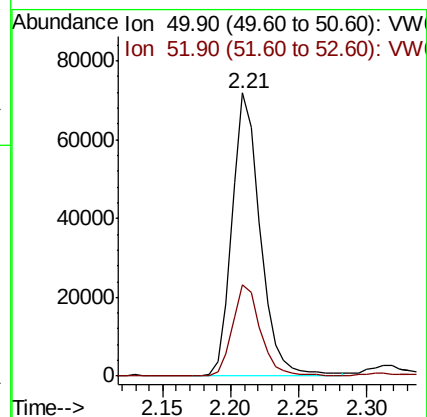
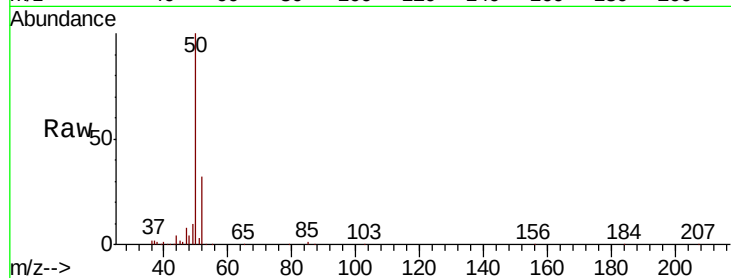
VSTDCCC050EC

Tot Ion: 50 Resp: 103127

Ion Ratio Lower Upper

50 100

52 32.4 26.9 40.3



#4

Vinyl Chloride

Concen: 54.643 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011229.D

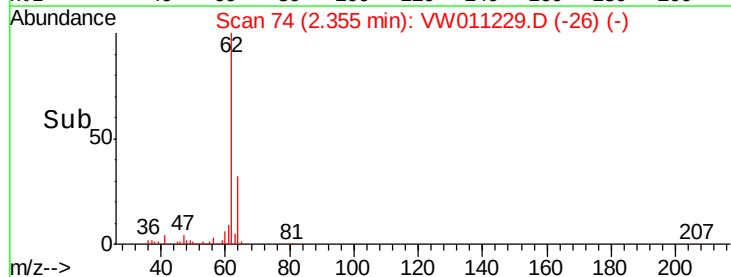
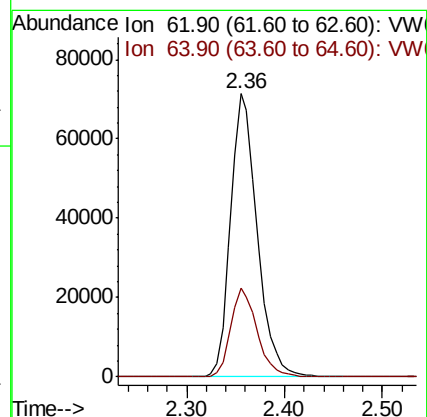
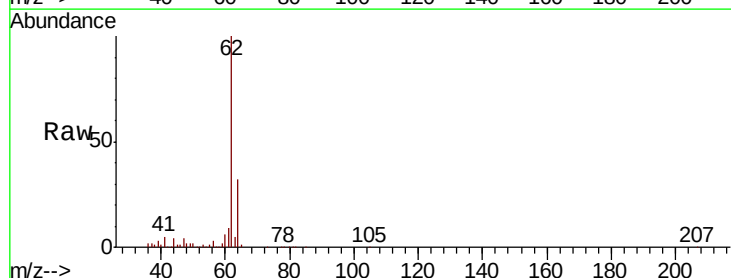
Acq: 11 Jul 2019 15:29

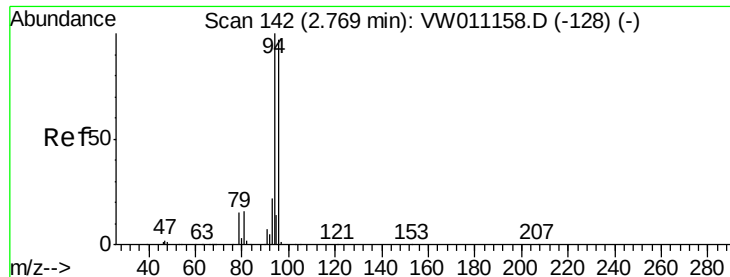
Tgt Ion: 62 Resp: 134855

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 50.385 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

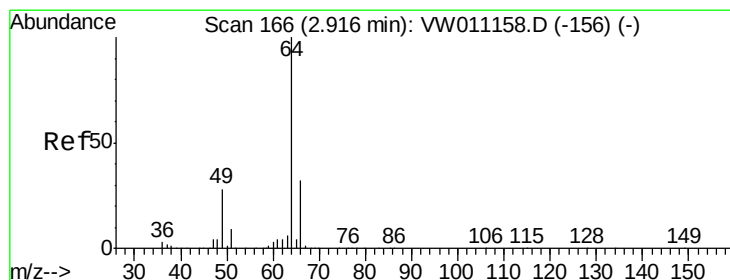
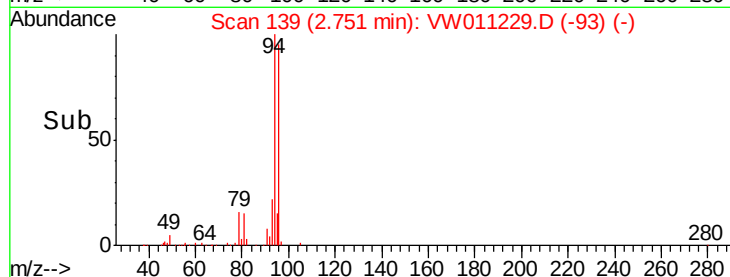
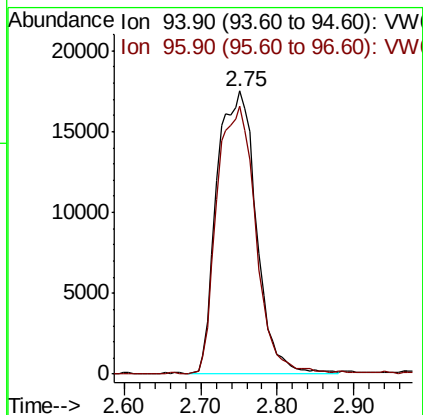
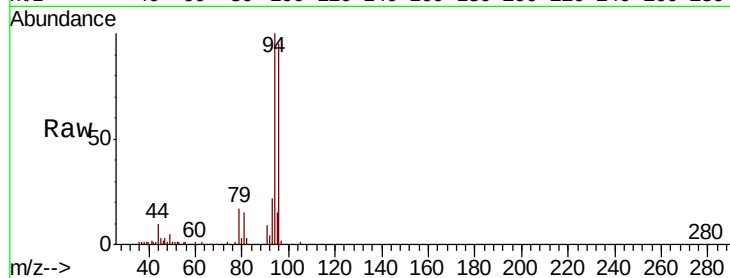
VSTDCCC050EC

Tot Ion: 94 Resp: 62483

Ion Ratio Lower Upper

94 100

96 94.6 77.4 116.0



#6

Chloroethane

Concen: 54.065 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW011229.D

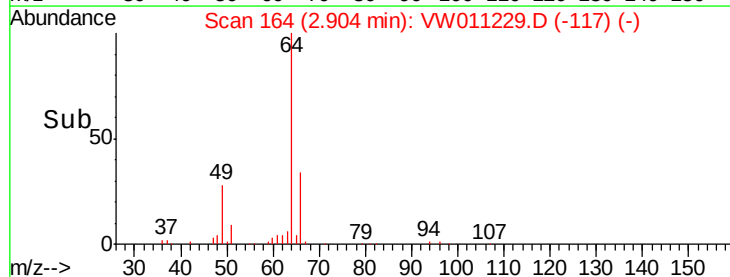
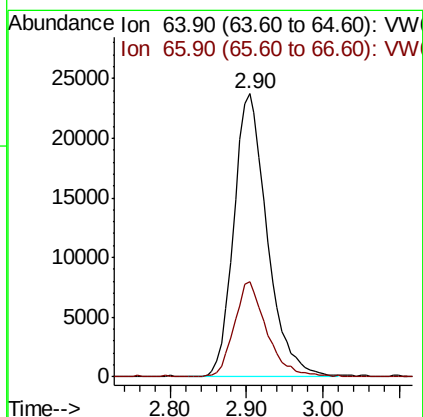
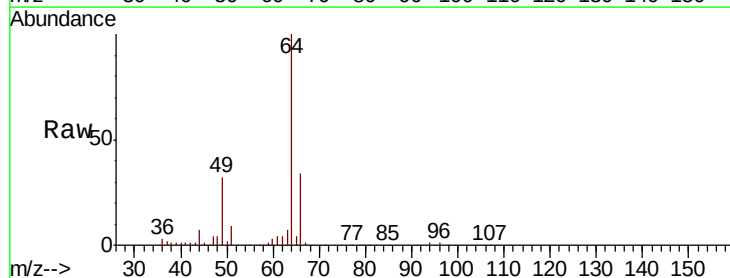
Acq: 11 Jul 2019 15:29

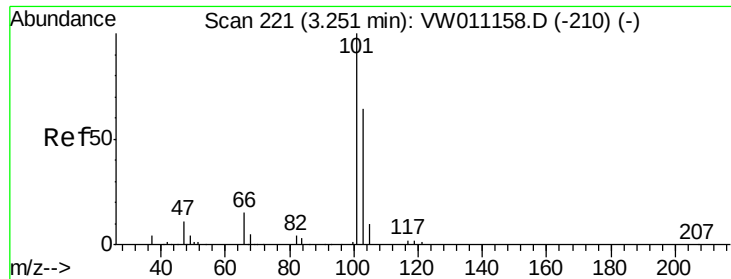
Tgt Ion: 64 Resp: 71868

Ion Ratio Lower Upper

64 100

66 33.6 25.8 38.8



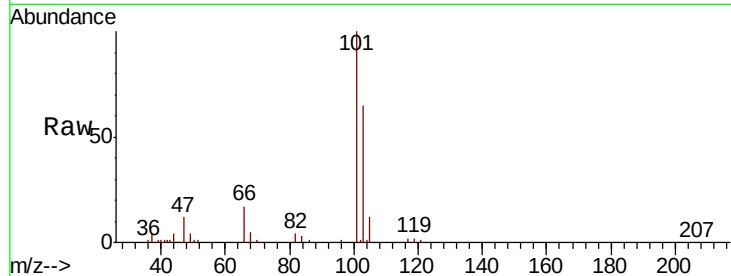


#7

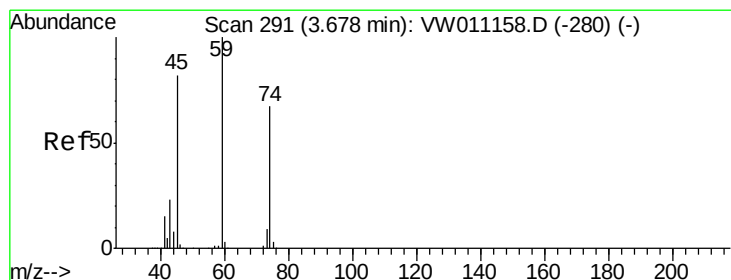
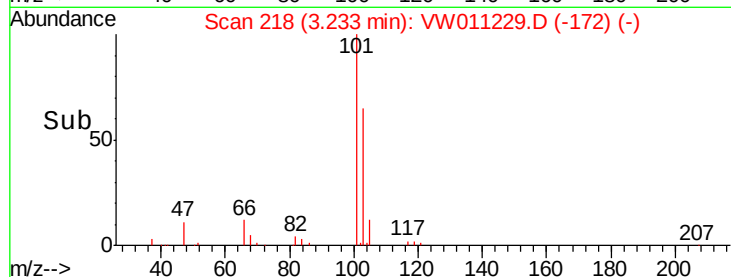
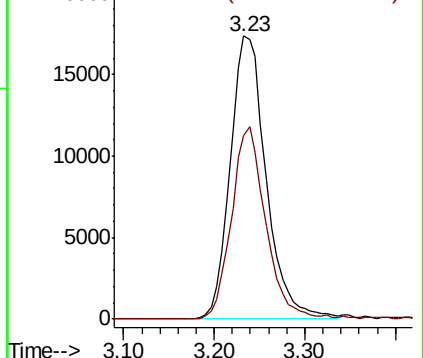
Trichlorofluoromethane
 Concen: 54.508 ug/l
 RT: 3.23 min Scan# 218
 Delta R.T. -0.02 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Instrument :
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 VSTDCCC050EC

Tot Ion:101 Resp: 47789
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.3 76.9



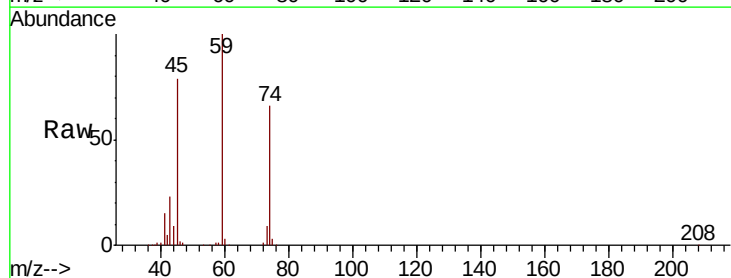
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



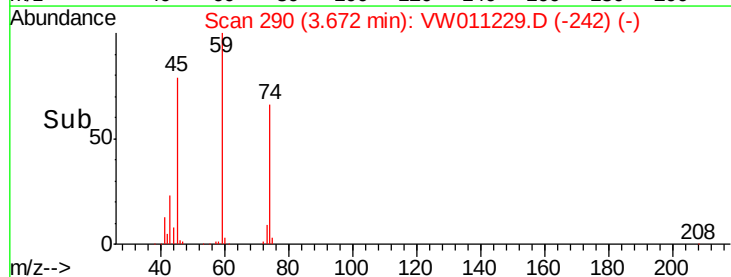
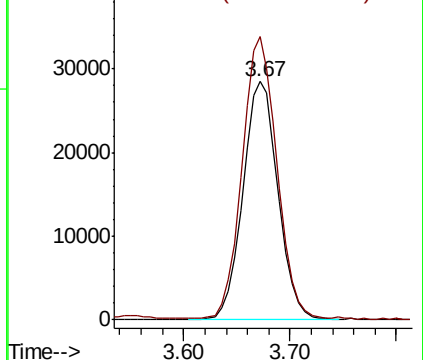
#8

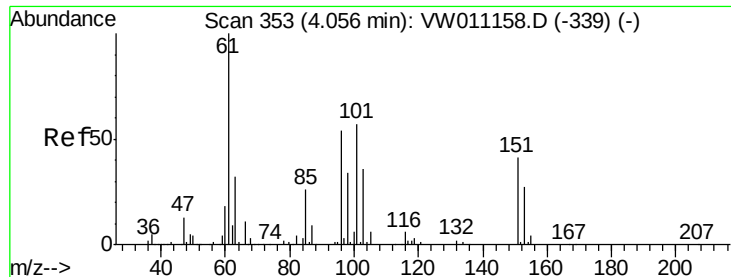
Diethyl Ether
 Concen: 54.248 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011229.D
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Tgt Ion: 74 Resp: 65808
 Ion Ratio Lower Upper
 74 100
 45 118.3 59.9 179.7



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.180 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

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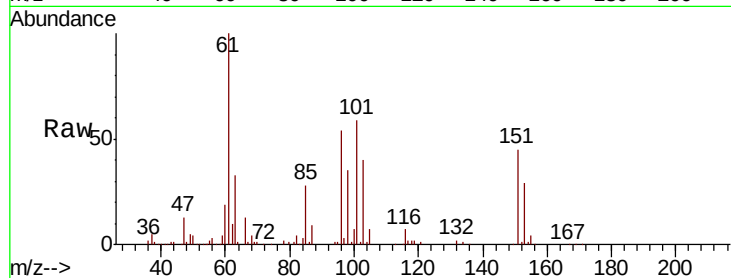
Tot Ion:101 Resp: 115880

Ion Ratio Lower Upper

101 100

85 44.9 36.5 54.7

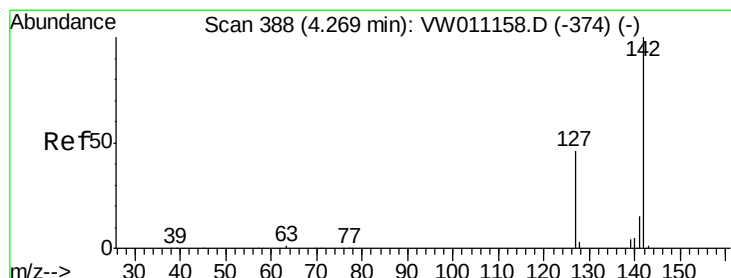
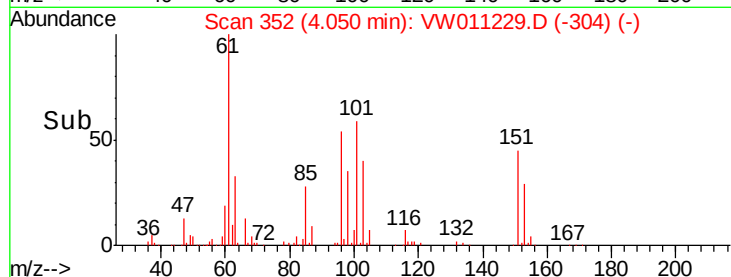
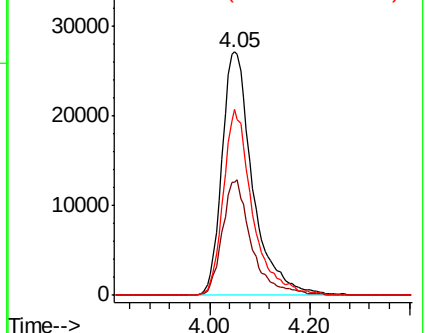
151 72.1 59.1 88.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.045 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

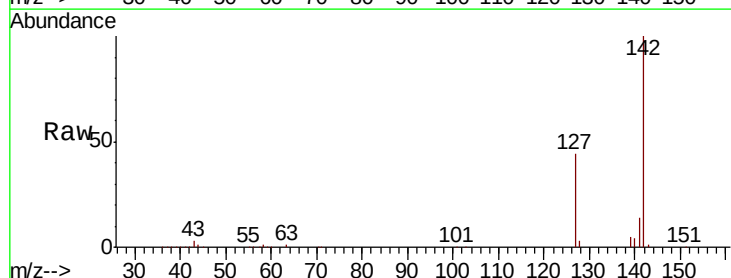
Tgt Ion:142 Resp: 158990

Ion Ratio Lower Upper

142 100

127 45.1 35.7 53.5

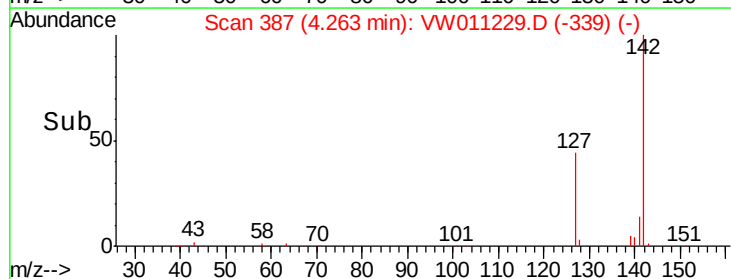
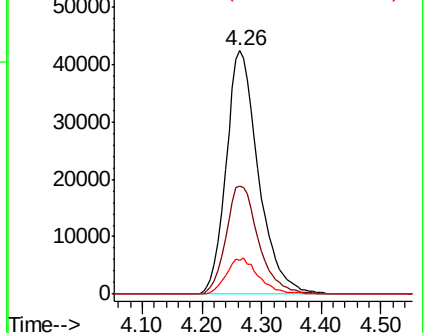
141 15.0 11.5 17.3

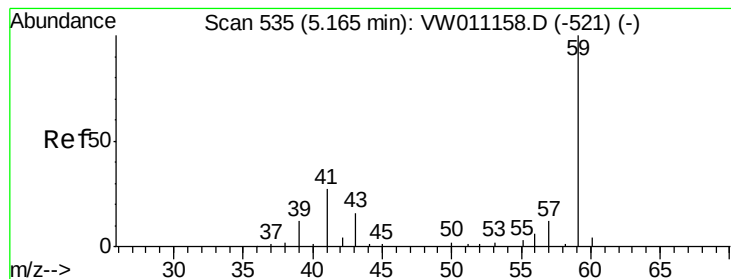


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



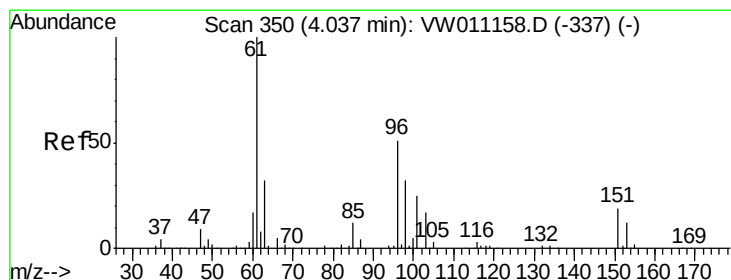
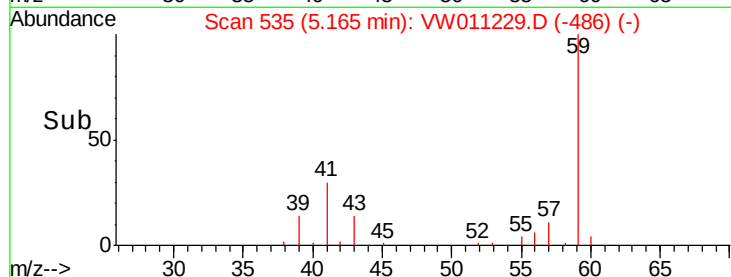
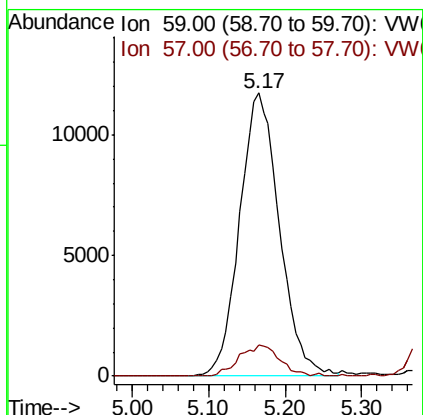
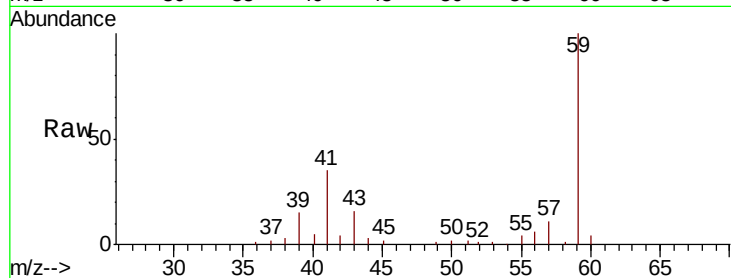


#11

Tert butyl alcohol
 Concen: 232.361 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

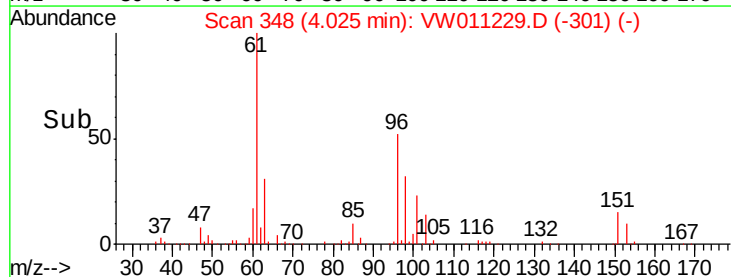
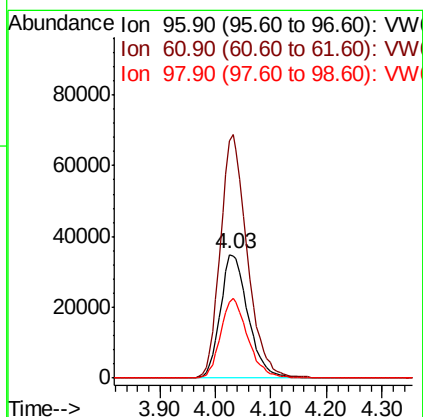
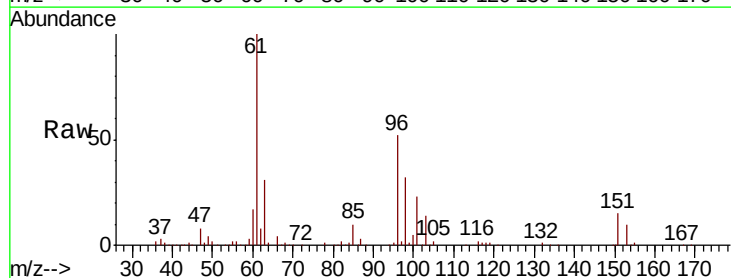
Tot Ion: 59 Resp: 42413
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.0 13.6

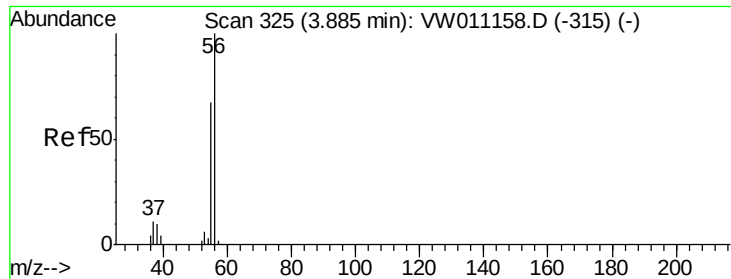


#12

1,1-Dichloroethene
 Concen: 55.310 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion: 96 Resp: 120556
 Ion Ratio Lower Upper
 96 100
 61 191.8 157.7 236.5
 98 60.9 50.9 76.3





#13

Acrolein

Concen: 364.870 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

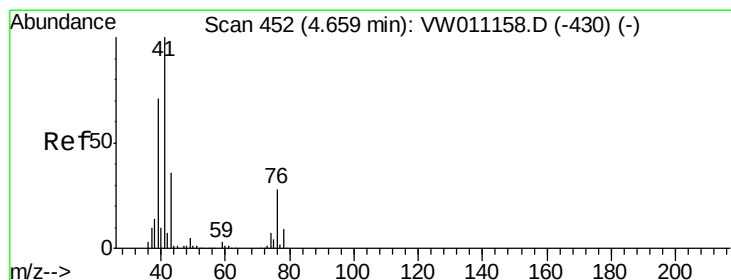
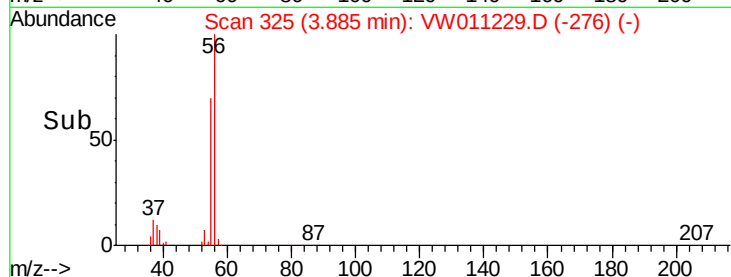
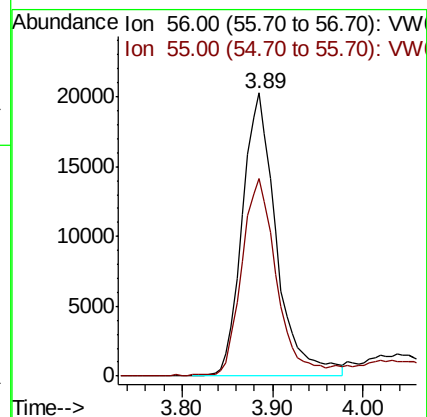
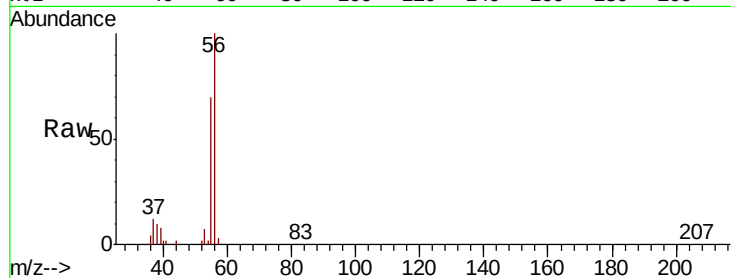
VSTDCCC050EC

Tot Ion: 56 Resp: 53033

Ion Ratio Lower Upper

56 100

55 70.0 56.4 84.6



#14

Allyl chloride

Concen: 57.868 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

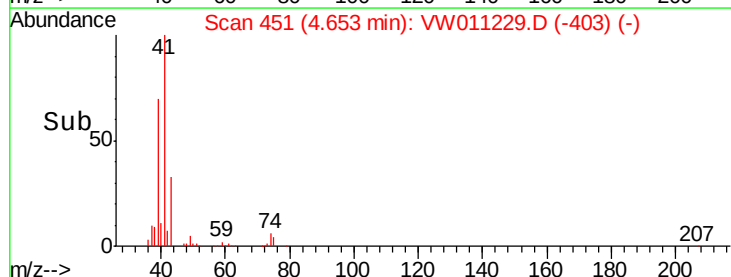
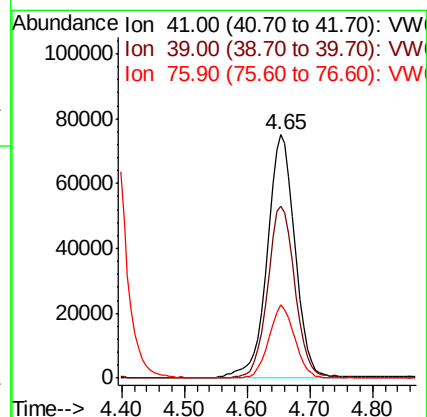
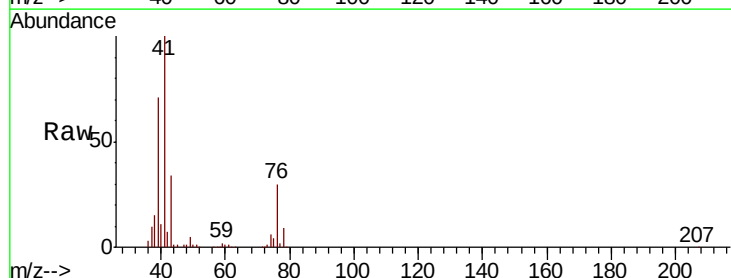
Tgt Ion: 41 Resp: 230006

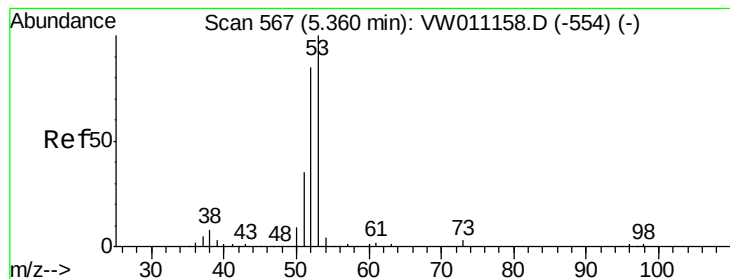
Ion Ratio Lower Upper

41 100

39 69.8 55.1 82.7

76 28.1 22.5 33.7





#15

Acrylonitrile

Concen: 257.057 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

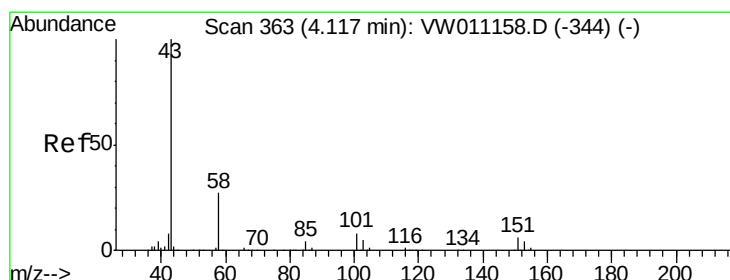
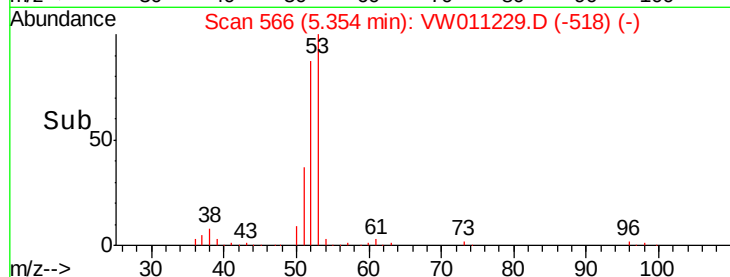
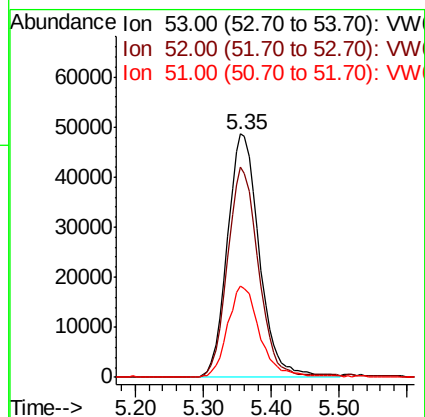
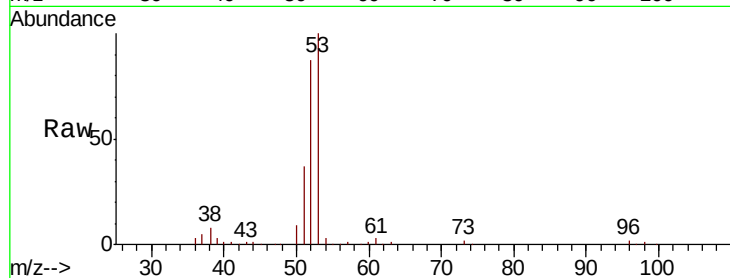
Tot Ion: 53 Resp: 158814

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.4

51 37.6 29.1 43.7



#16

Acetone

Concen: 258.378 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW011229.D

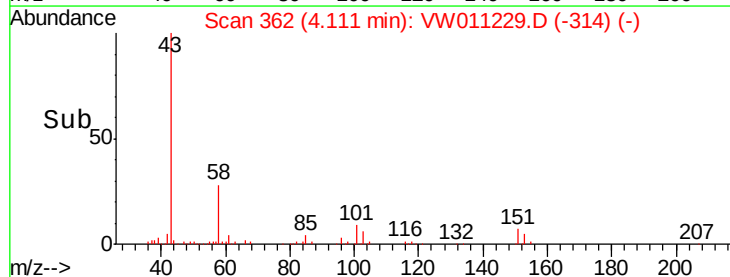
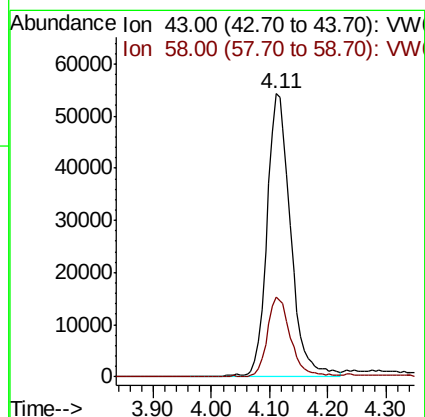
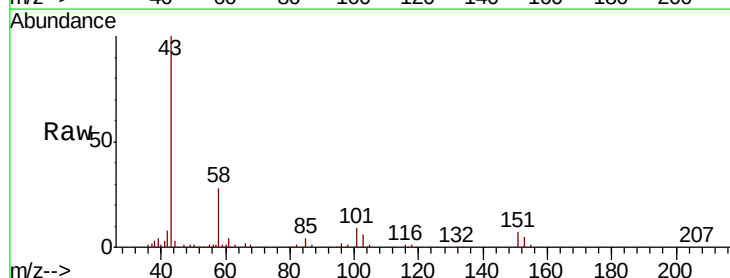
Acq: 11 Jul 2019 15:29

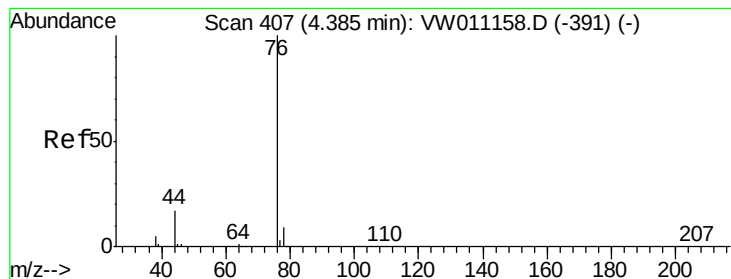
Tgt Ion: 43 Resp: 153271

Ion Ratio Lower Upper

43 100

58 28.0 21.8 32.6





#17

Carbon Disulfide

Concen: 51.828 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

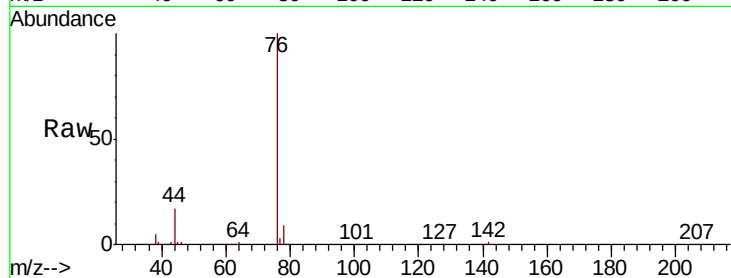
VSTDCCC050EC

Tot Ion: 76 Resp: 342477

Ion Ratio Lower Upper

76 100

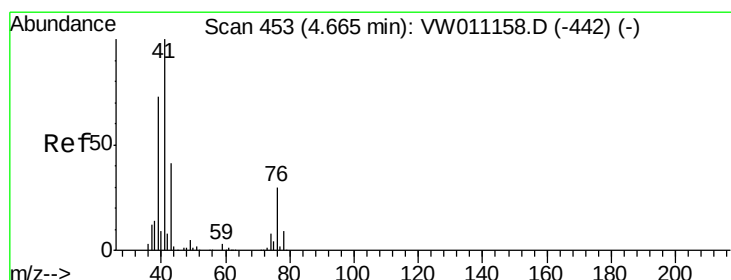
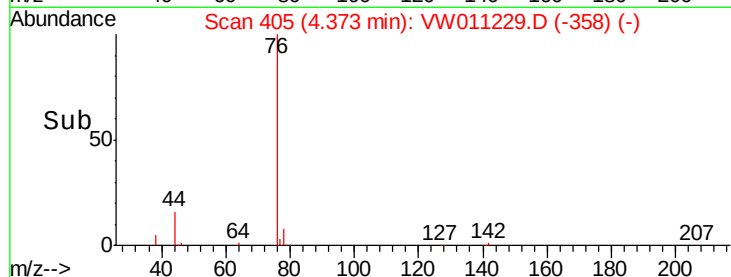
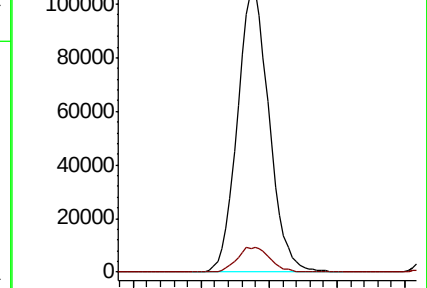
78 8.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37



#18

Methyl Acetate

Concen: 46.573 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011229.D

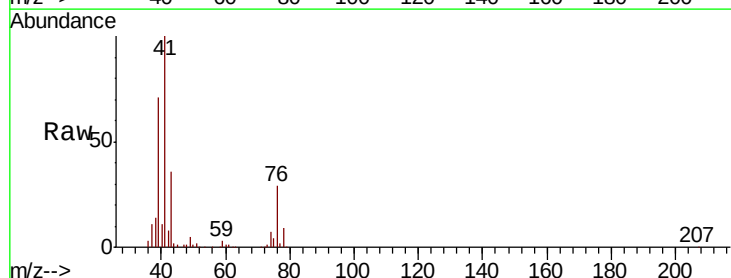
Acq: 11 Jul 2019 15:29

Tgt Ion: 43 Resp: 78729

Ion Ratio Lower Upper

43 100

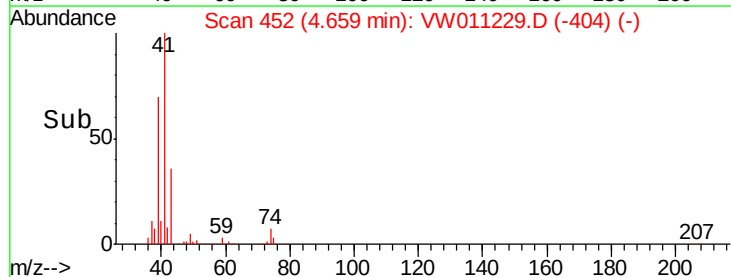
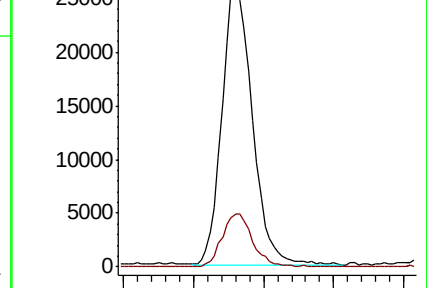
74 19.0 15.7 23.5

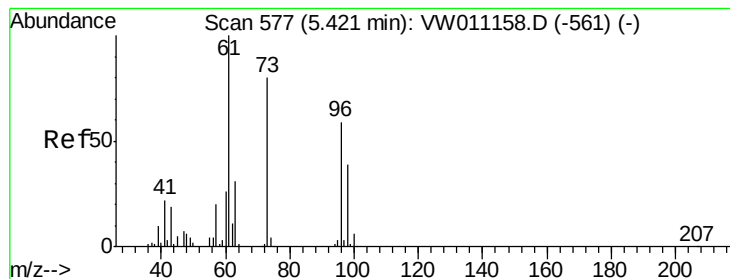


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.66





#19

Methyl tert-butyl Ether

Concen: 53.412 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

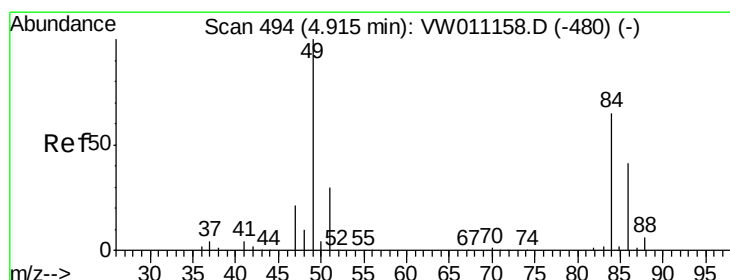
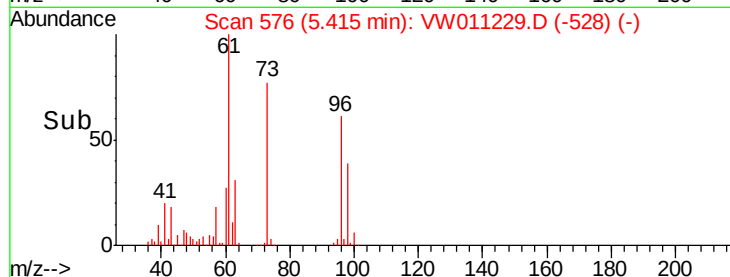
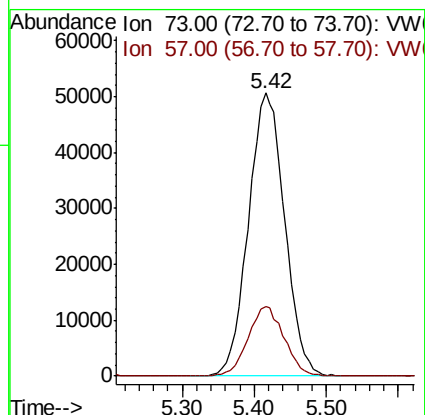
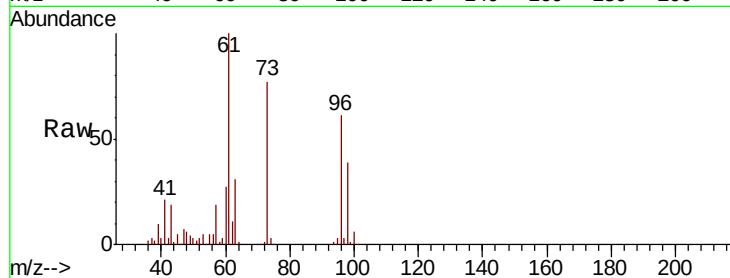
VSTDCCC050EC

Tot Ion: 73 Resp: 176645

Ion Ratio Lower Upper

73 100

57 24.4 19.7 29.5



#20

Methylene Chloride

Concen: 55.851 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Tgt Ion: 84 Resp: 130700

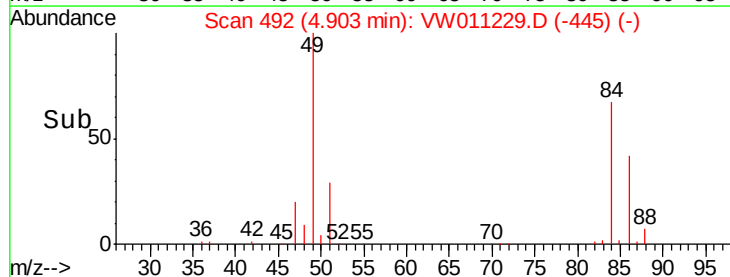
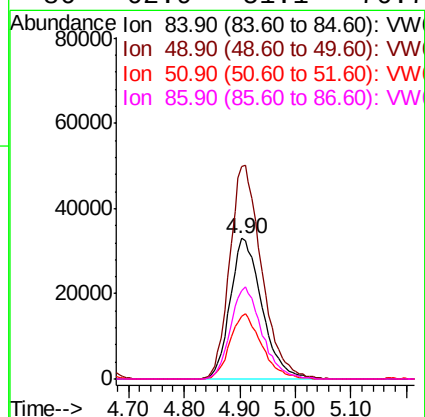
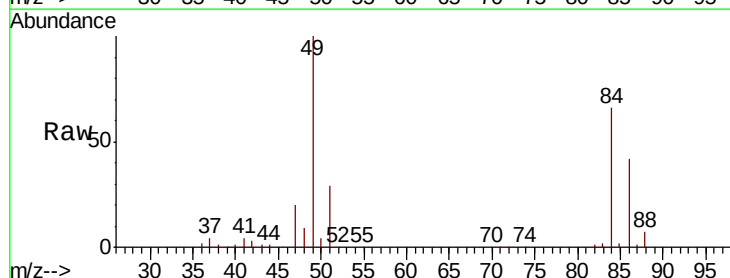
Ion Ratio Lower Upper

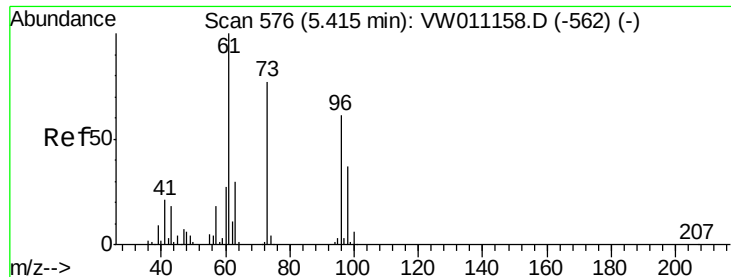
84 100

49 151.2 123.8 185.6

51 44.4 37.4 56.2

86 62.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 55.264 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

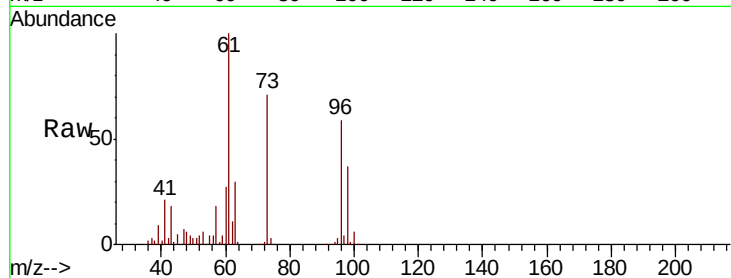
Tot Ion: 96 Resp: 125164

Ion Ratio Lower Upper

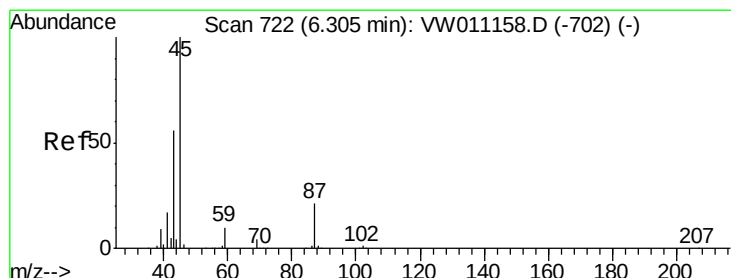
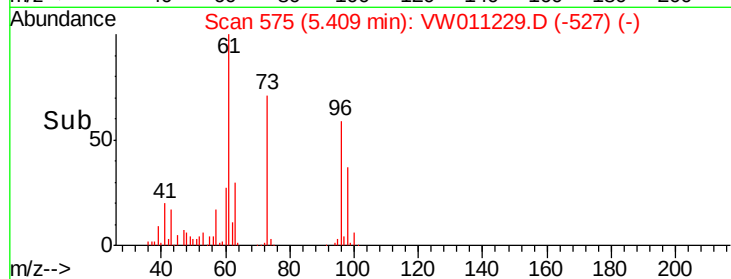
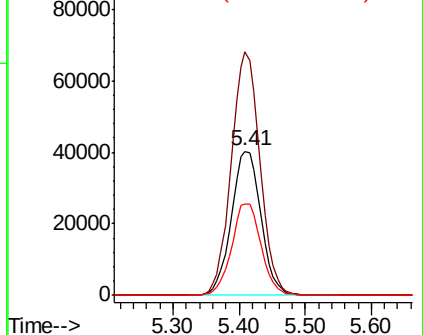
96 100

61 169.1 132.2 198.2

98 63.0 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: 56.805 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Tgt Ion: 45 Resp: 485618

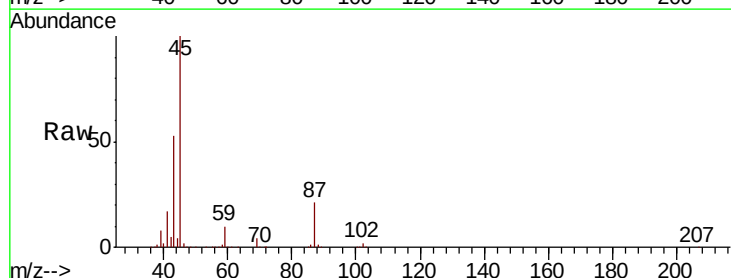
Ion Ratio Lower Upper

45 100

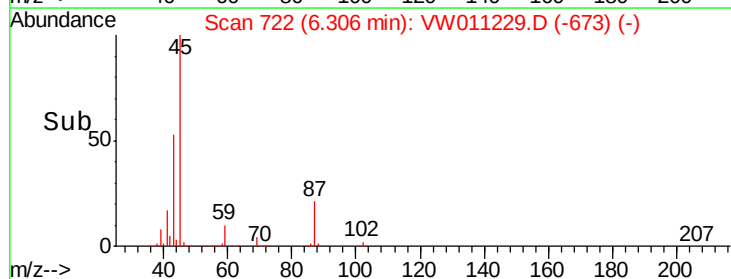
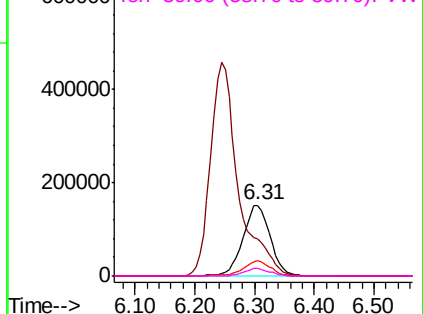
43 52.2 44.6 66.8

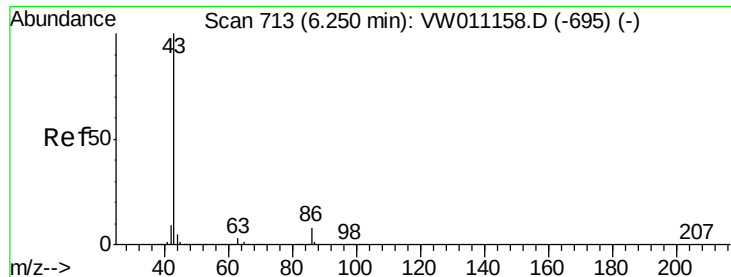
87 21.1 17.3 25.9

59 10.1 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: 281.375 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

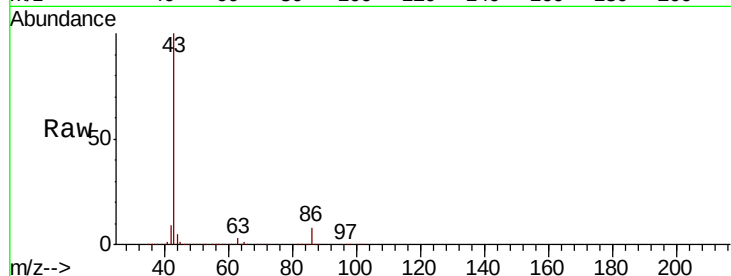
VSTDCCC050EC

Tot Ion: 43 Resp: 1488648

Ion Ratio Lower Upper

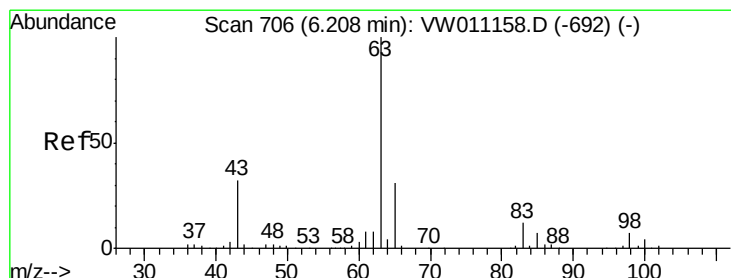
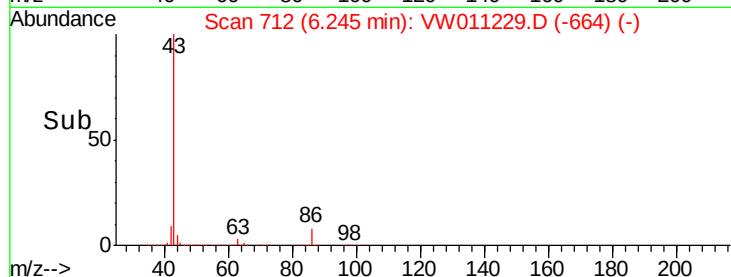
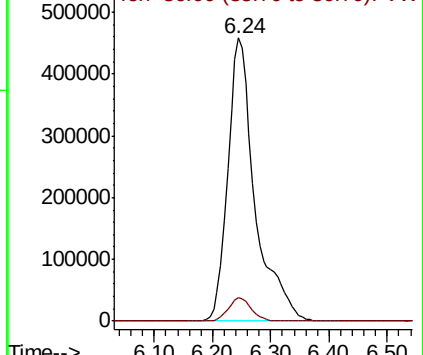
43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 56.091 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

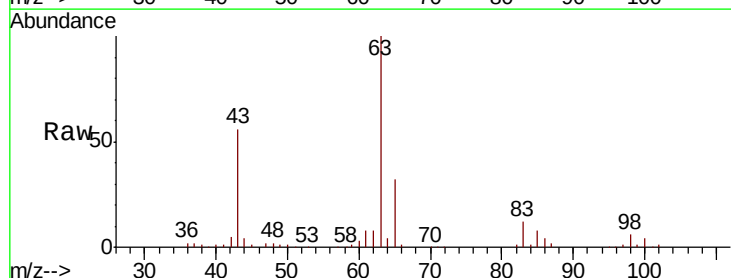
Tgt Ion: 63 Resp: 251798

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.9

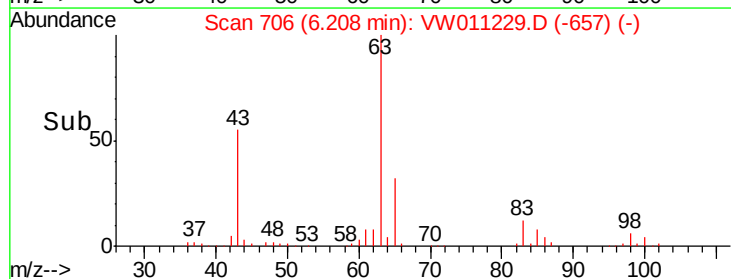
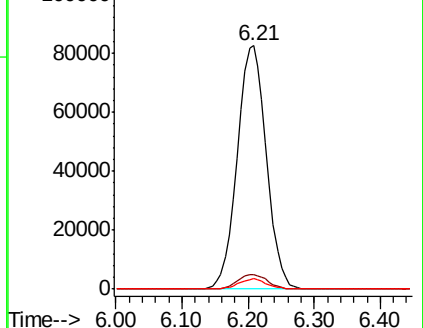
100 4.1 2.1 6.2

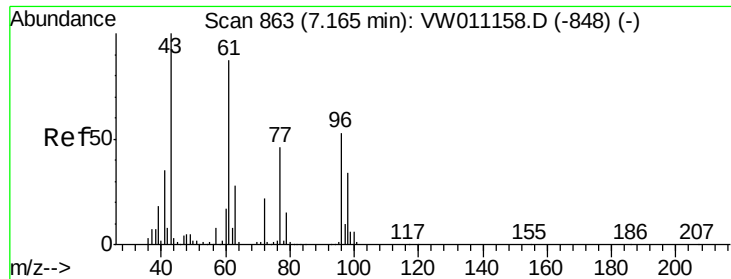


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 251.798 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

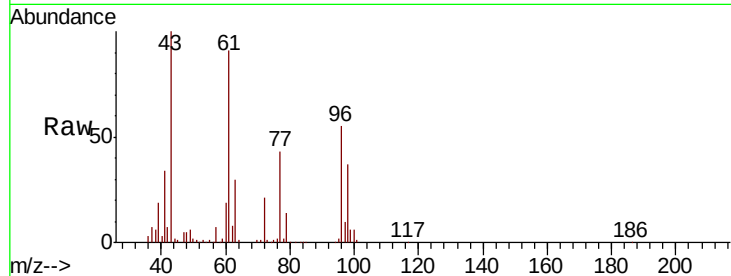
VSTDCCC050EC

Tot Ion: 43 Resp: 234468

Ion Ratio Lower Upper

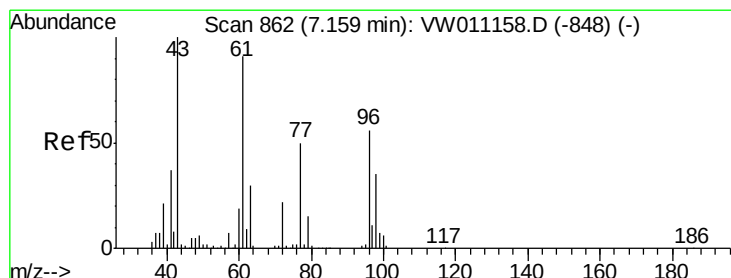
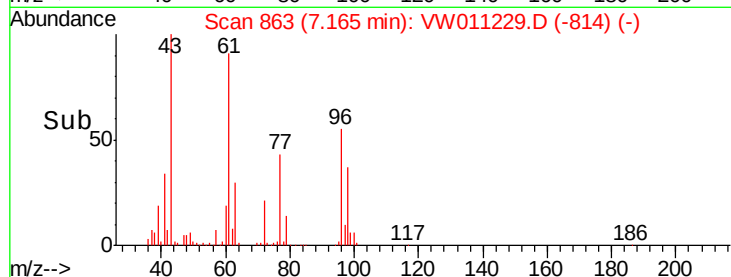
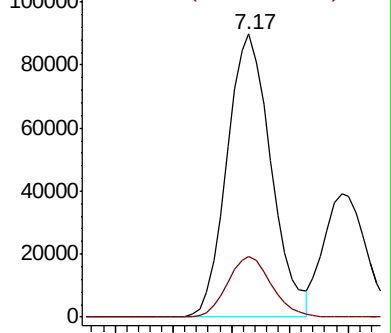
43 100

72 21.3 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 50.544 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW011229.D

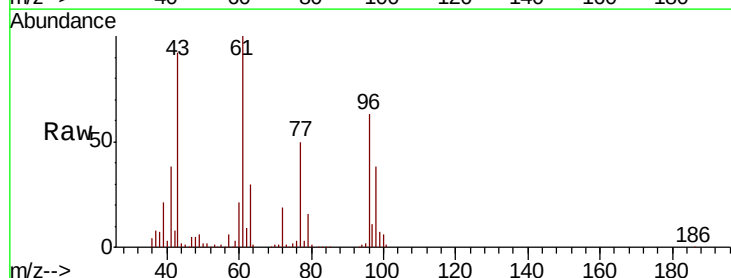
Acq: 11 Jul 2019 15:29

Tgt Ion: 77 Resp: 117943

Ion Ratio Lower Upper

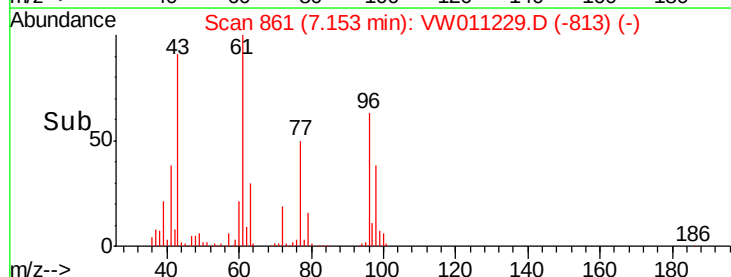
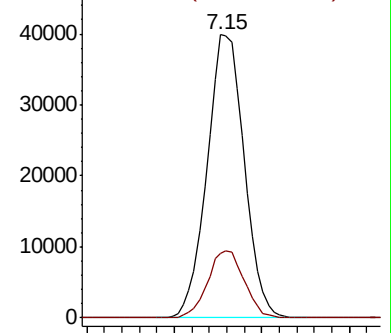
77 100

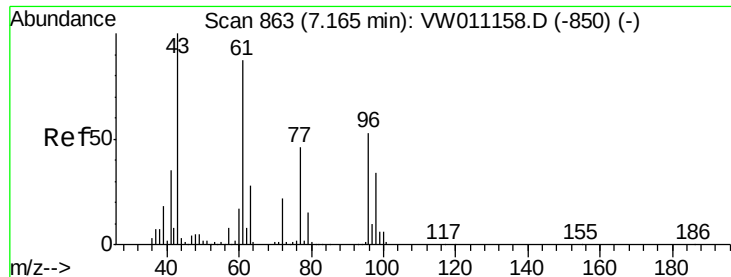
97 23.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



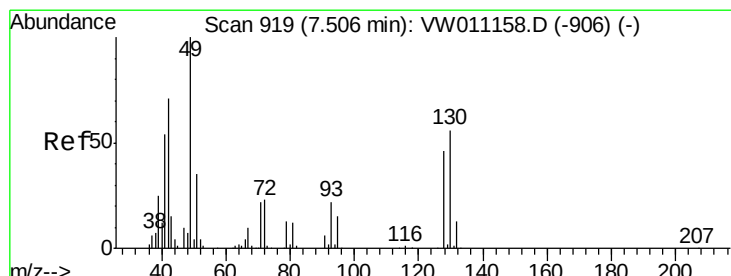
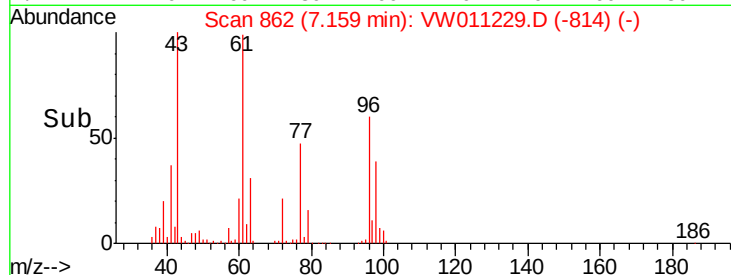
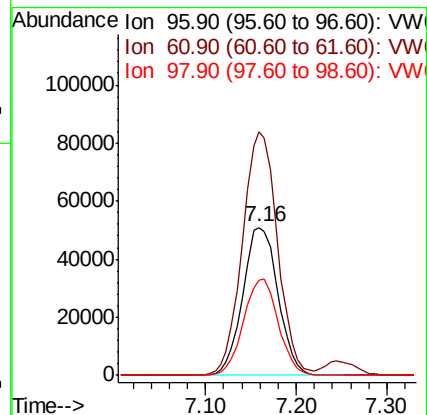
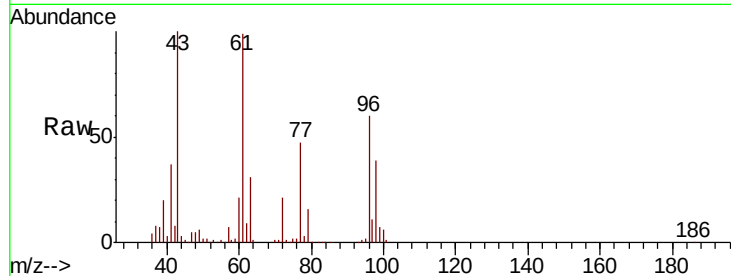


#27

cis-1,2-Dichloroethene
 Concen: 56.040 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

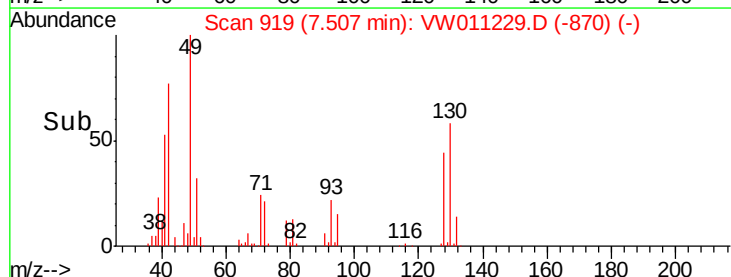
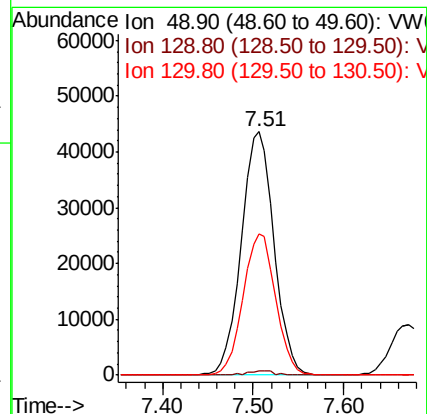
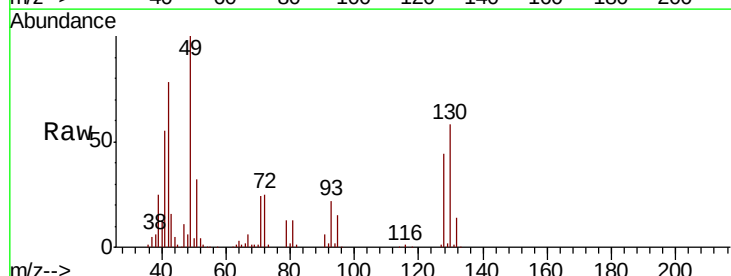
Tot Ion: 96 Resp: 136913
 Ion Ratio Lower Upper
 96 100
 61 163.9 0.0 325.6
 98 64.3 0.0 128.2

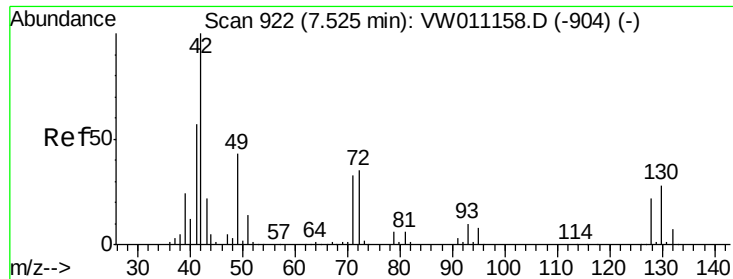


#28

Bromochloromethane
 Concen: 53.616 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion: 49 Resp: 109440
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 1.4
 130 57.5 45.8 68.8

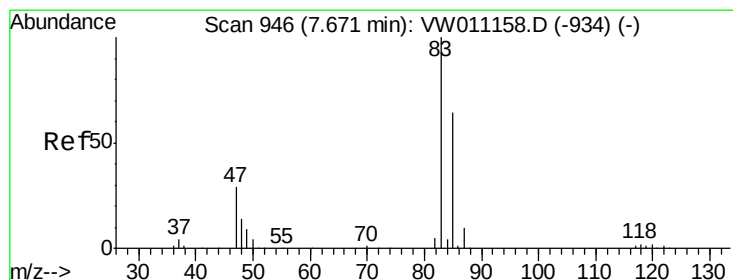
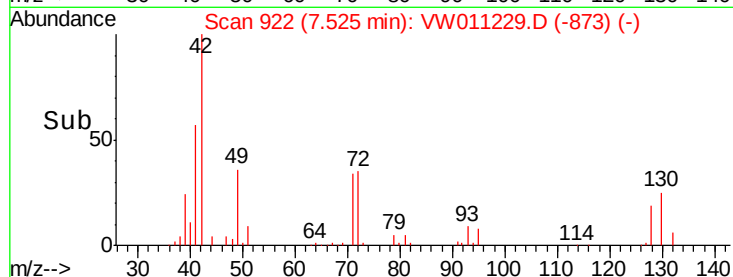
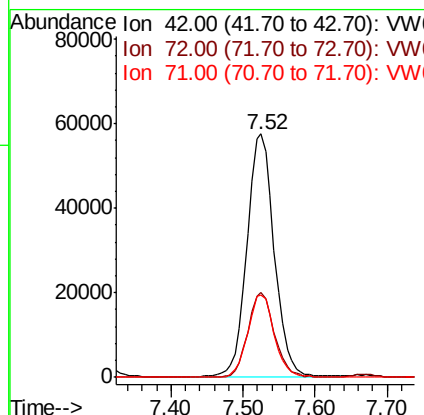
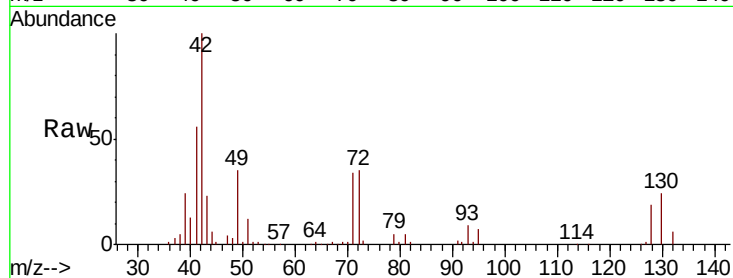




#29
Tetrahydrofuran
Concen: 248.841 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

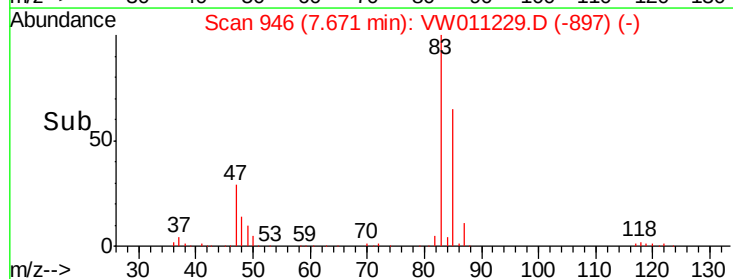
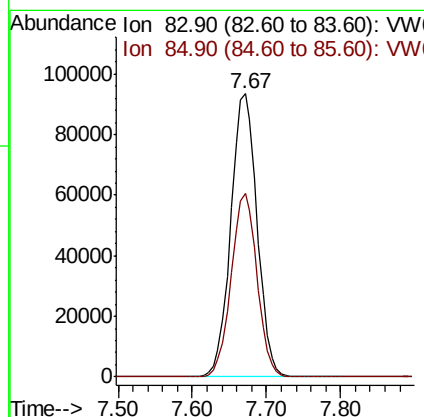
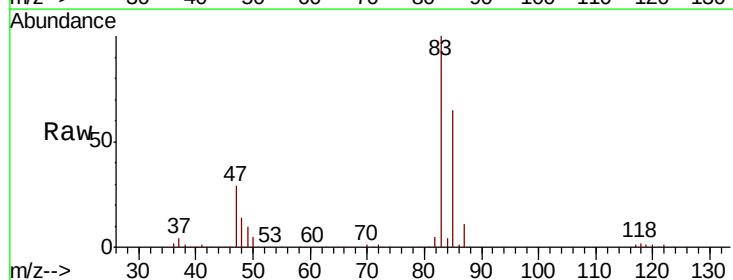
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

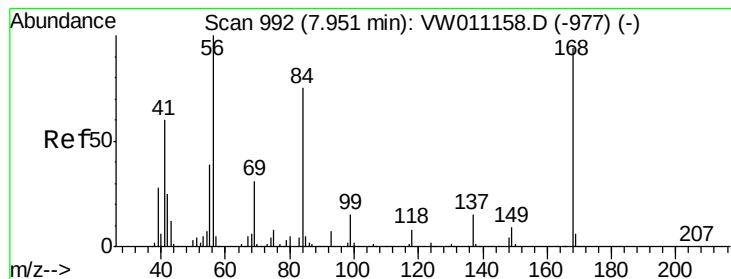
Tot Ion: 42 Resp: 151937
Ion Ratio Lower Upper
42 100
72 34.0 27.4 41.2
71 32.8 25.9 38.9



#30
Chloroform
Concen: 55.462 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Tgt Ion: 83 Resp: 230575
Ion Ratio Lower Upper
83 100
85 65.0 51.4 77.2





#31

Cyclohexane

Concen: 52.788 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

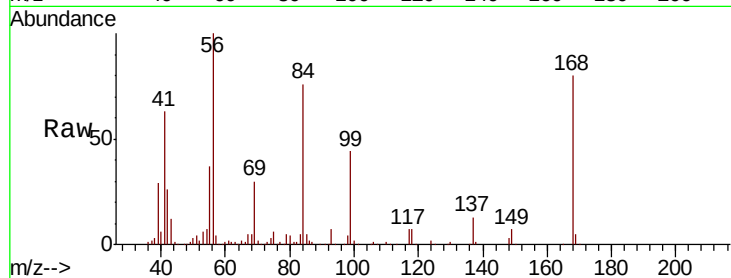
Tot Ion: 56 Resp: 252101

Ion Ratio Lower Upper

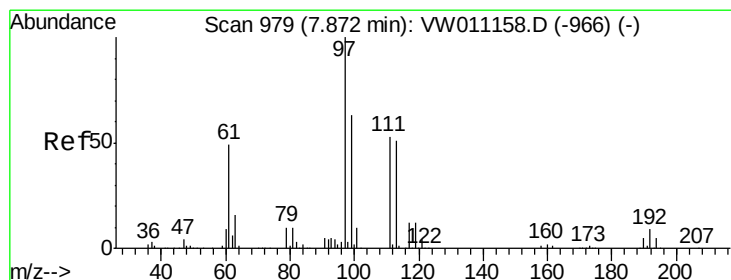
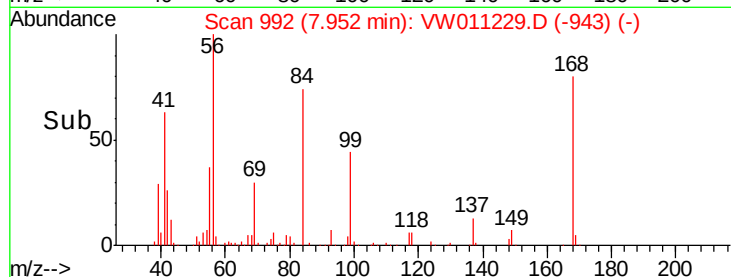
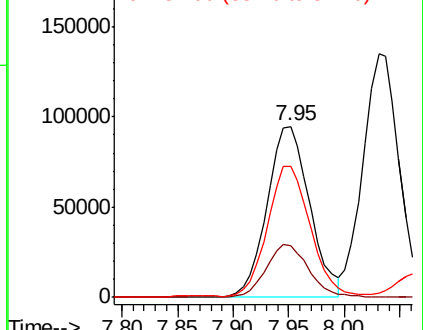
56 100

69 30.1 24.6 36.8

84 75.2 60.1 90.1



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



#32

1,1,1-Trichloroethane

Concen: 54.285 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

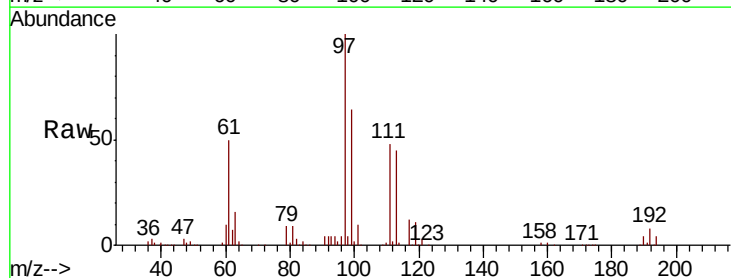
Tgt Ion: 97 Resp: 171676

Ion Ratio Lower Upper

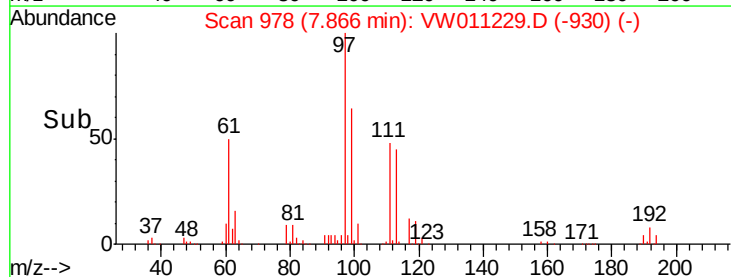
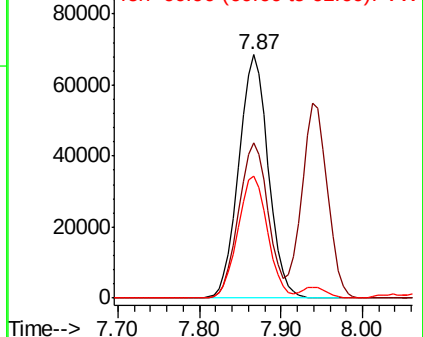
97 100

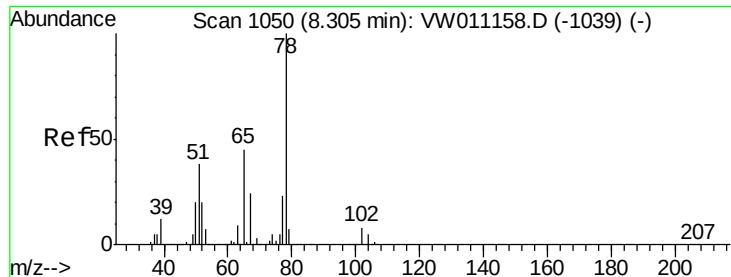
99 63.6 51.0 76.4

61 50.9 40.4 60.6



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

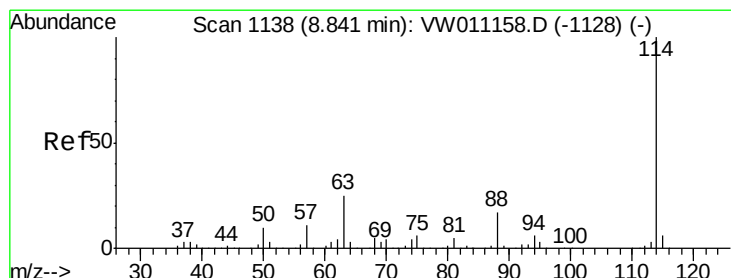
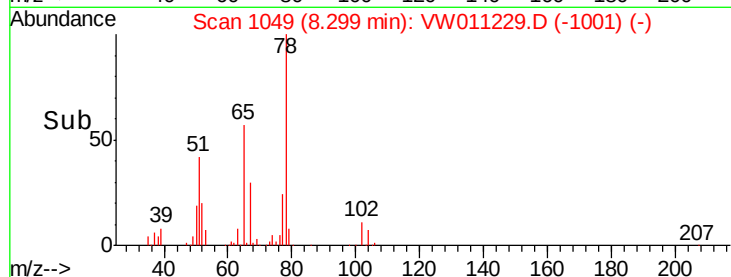
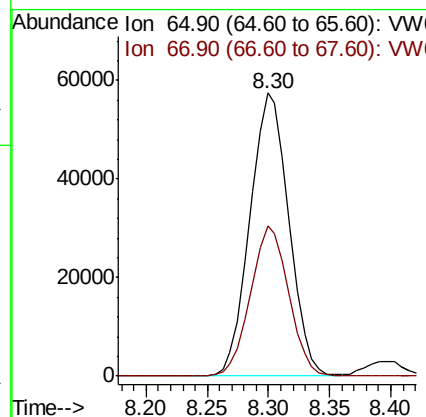
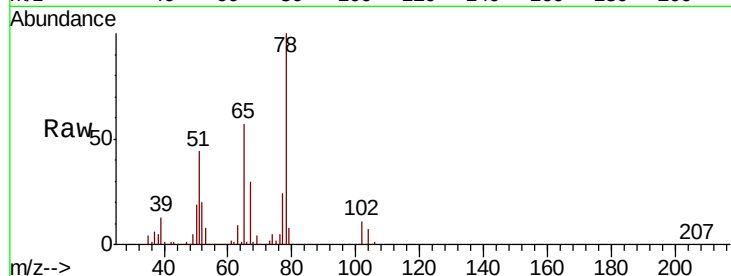




#33
 1,2-Dichloroethane-d4
 Concen: 51.558 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

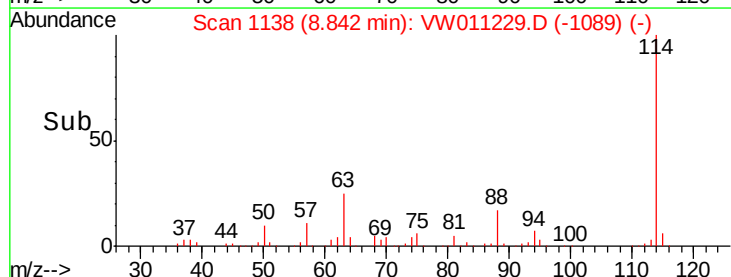
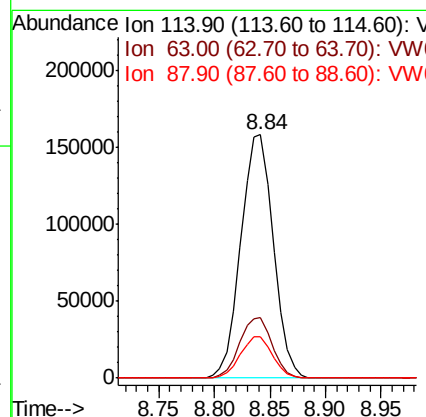
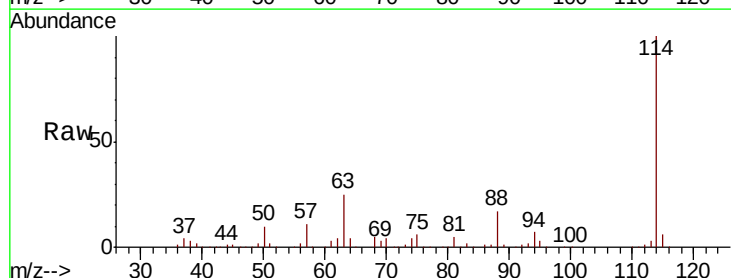
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

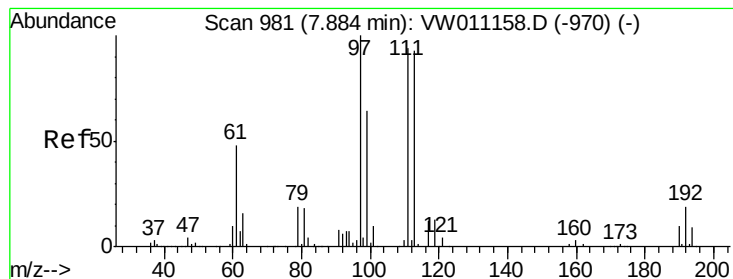
Tot Ion: 65 Resp: 127110
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion: 114 Resp: 320736
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.8
 88 17.1 0.0 34.2





#35

Dibromofluoromethane

Concen: 53.704 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

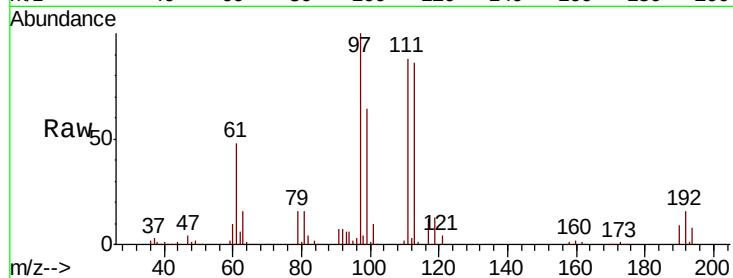
Tot Ion:113 Resp: 102667

Ion Ratio Lower Upper

113 100

111 104.4 82.4 123.6

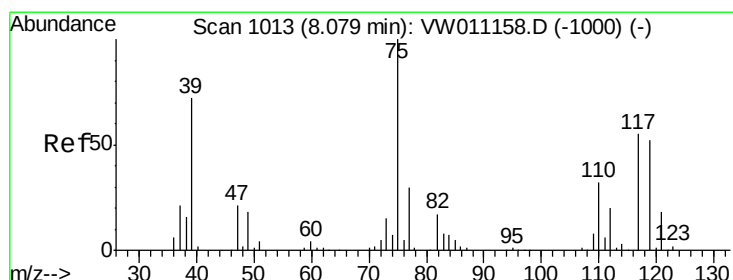
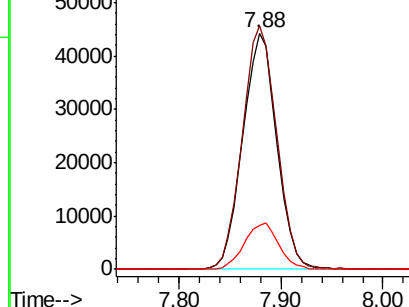
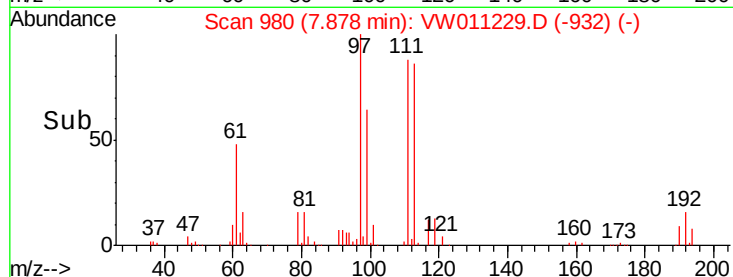
192 19.8 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 56.034 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

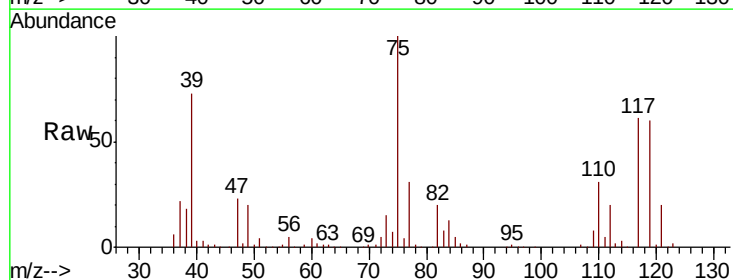
Tgt Ion: 75 Resp: 191386

Ion Ratio Lower Upper

75 100

110 31.4 15.9 47.6

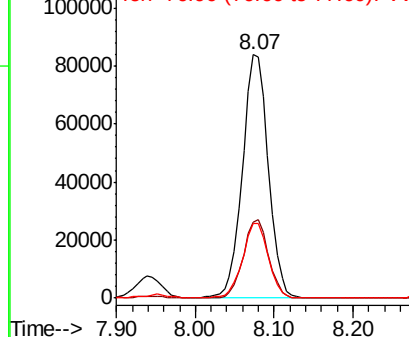
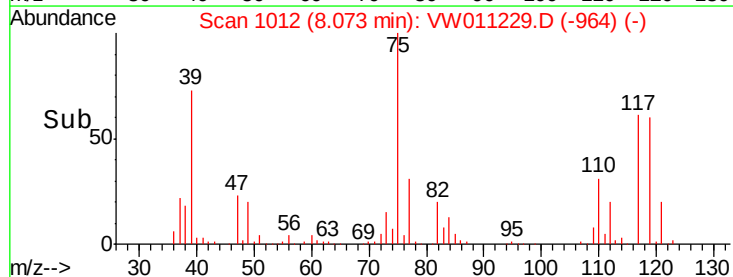
77 30.7 24.6 36.8

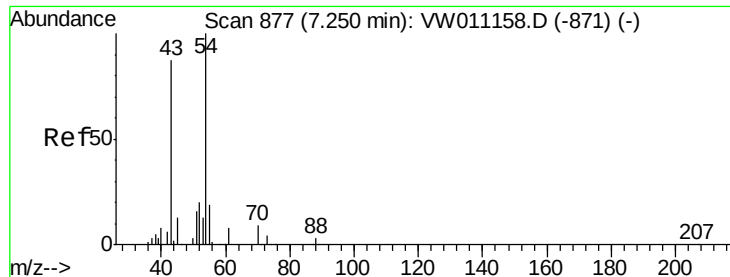


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

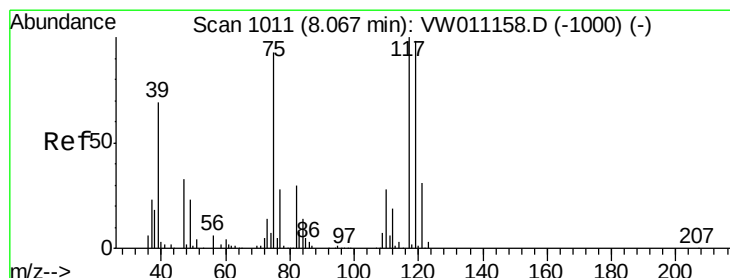
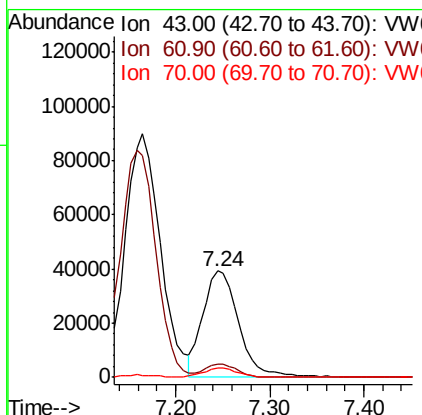
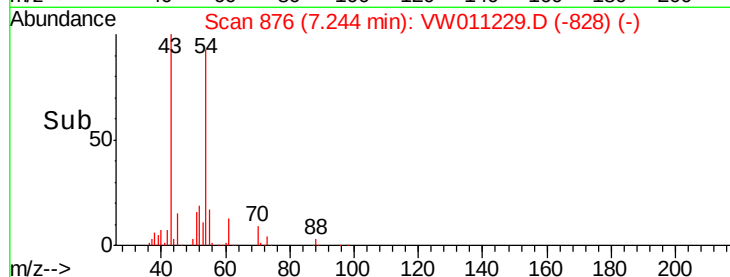
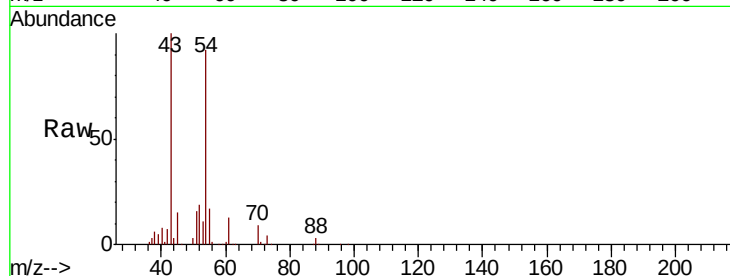




#37
Ethyl Acetate
Concen: 49.644 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

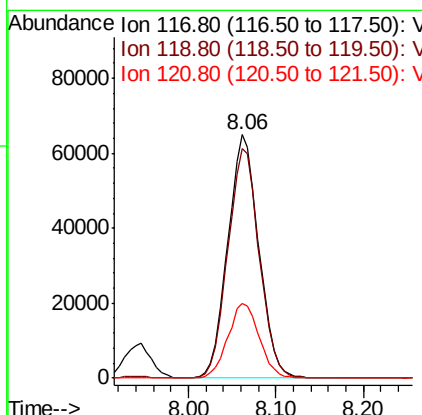
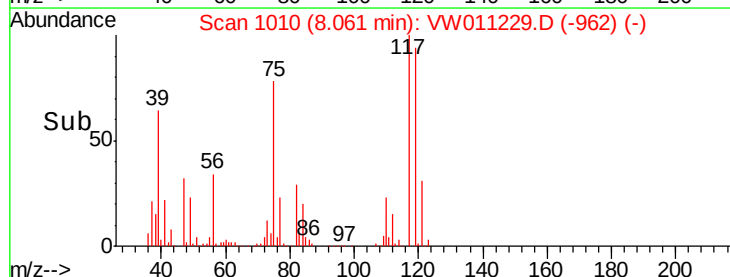
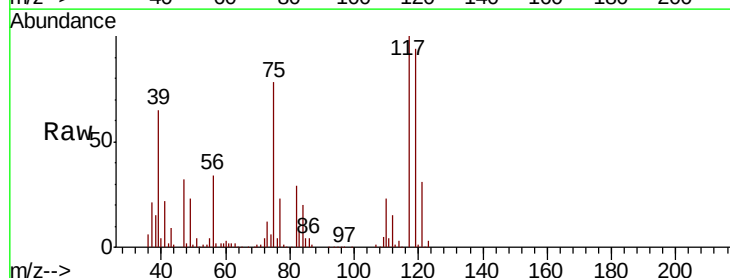
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

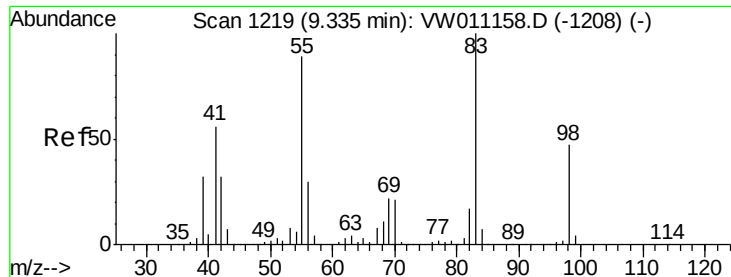
Tot Ion: 43 Resp: 101877
Ion Ratio Lower Upper
43 100
61 11.9 9.5 14.3
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 55.272 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Tgt Ion: 117 Resp: 160035
Ion Ratio Lower Upper
117 100
119 94.2 78.1 117.1
121 30.9 25.1 37.7

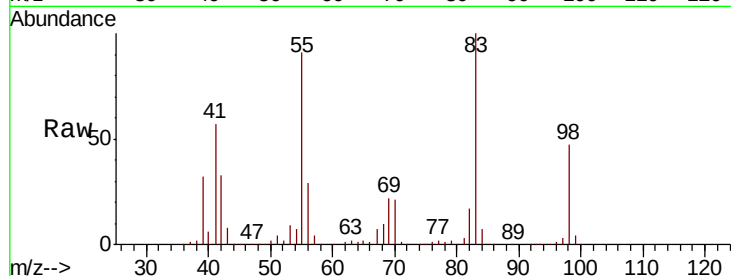




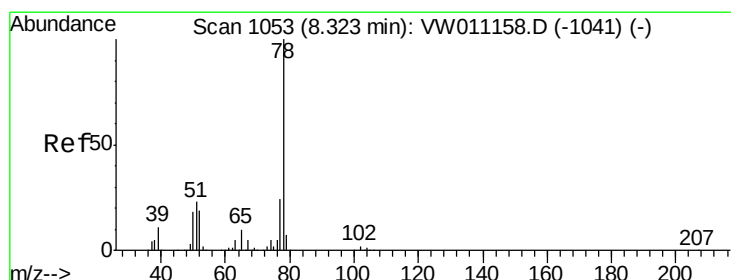
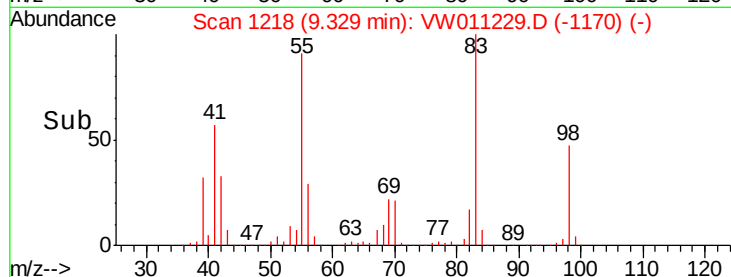
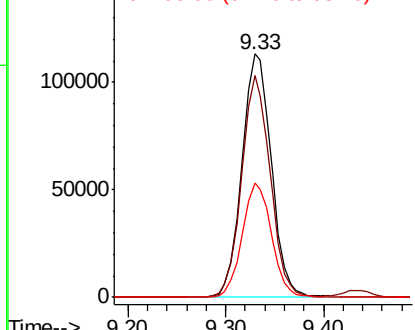
#39
Methylvlcyclohexane
Concen: 57.049 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 236170
Ion Ratio Lower Upper
83 100
55 90.9 71.2 106.8
98 47.0 37.5 56.3

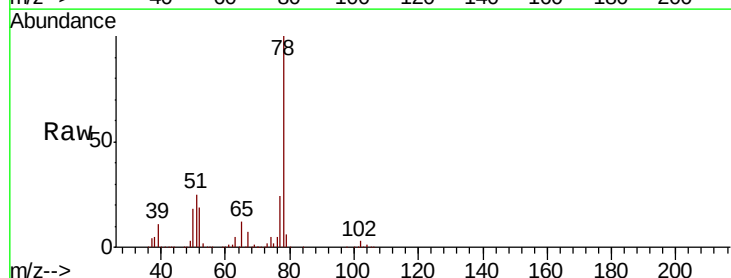


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

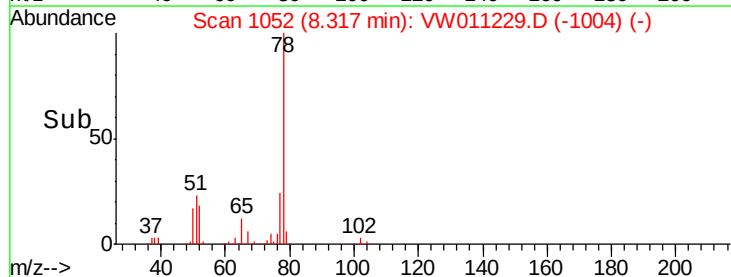
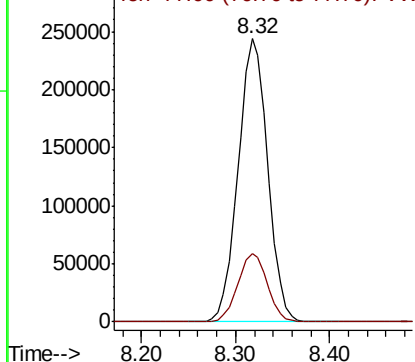


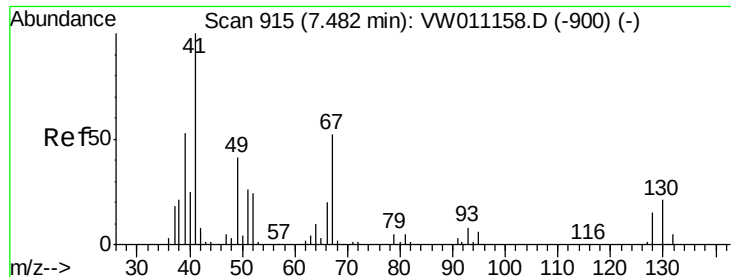
#40
Benzene
Concen: 56.602 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Tgt Ion: 78 Resp: 534281
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 51.226 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 60124

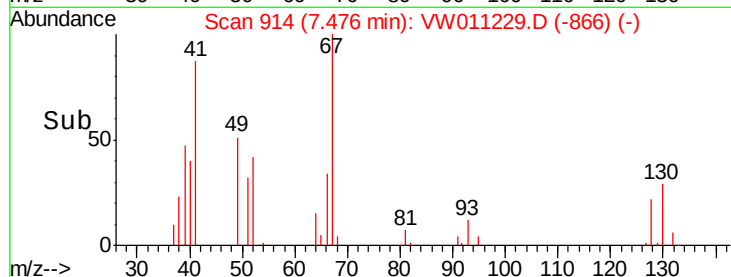
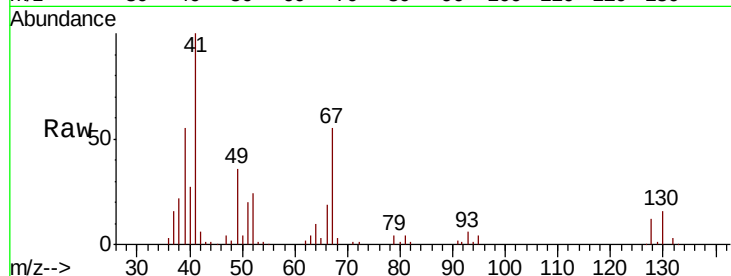
Ion Ratio Lower Upper

41 100

39 60.3 48.0 72.0

67 59.4 49.7 74.5

52 27.4 23.4 35.0

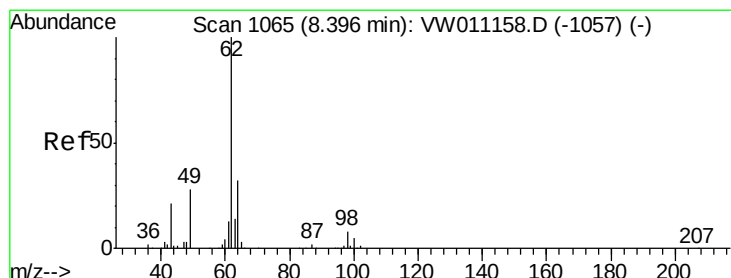
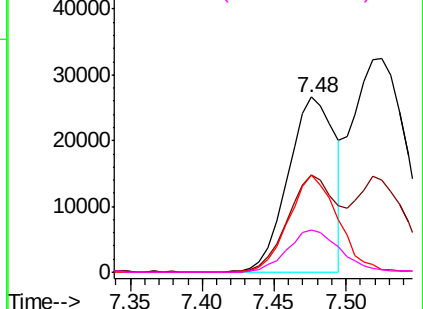


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 54.621 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011229.D

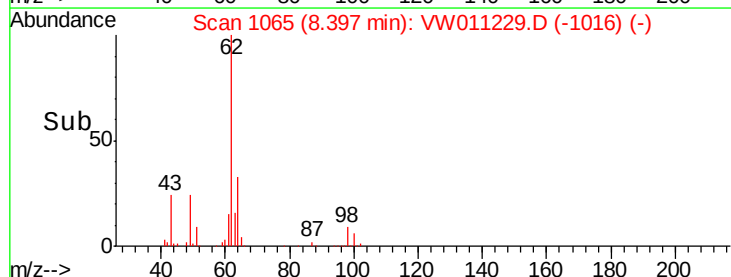
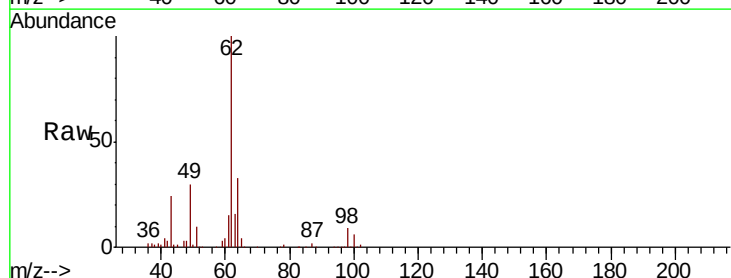
Acq: 11 Jul 2019 15:29

Tgt Ion: 62 Resp: 167250

Ion Ratio Lower Upper

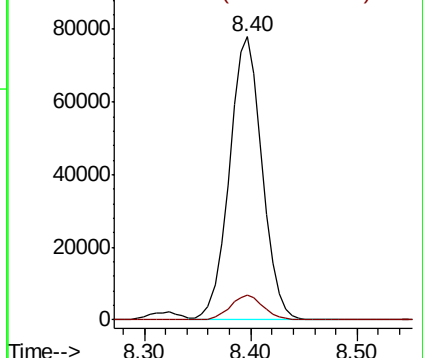
62 100

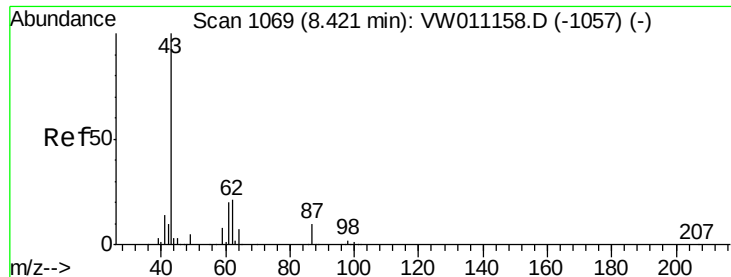
98 8.7 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 51.237 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

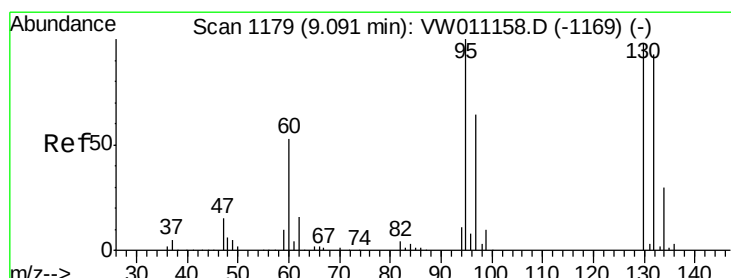
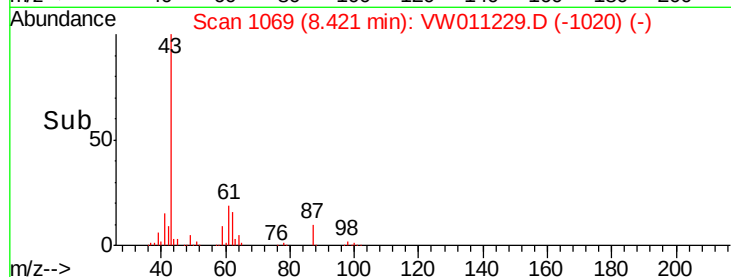
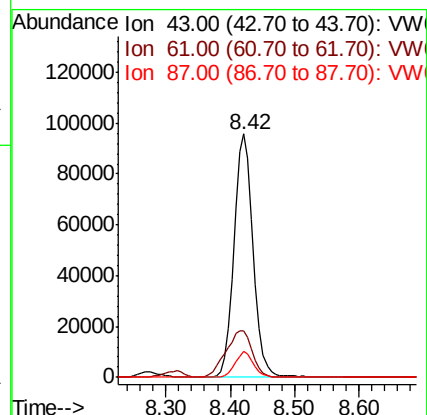
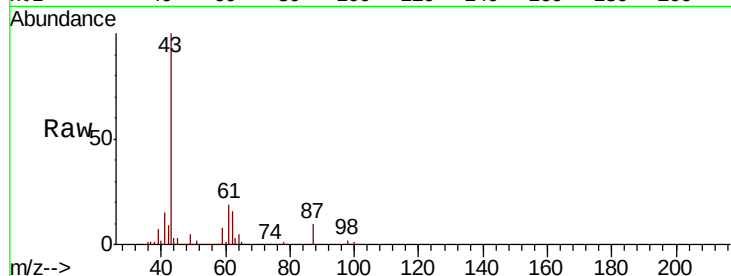
Tot Ion: 43 Resp: 198515

Ion Ratio Lower Upper

43 100

61 26.6 20.7 31.1

87 10.2 8.1 12.1



#44

Trichloroethene

Concen: 56.177 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011229.D

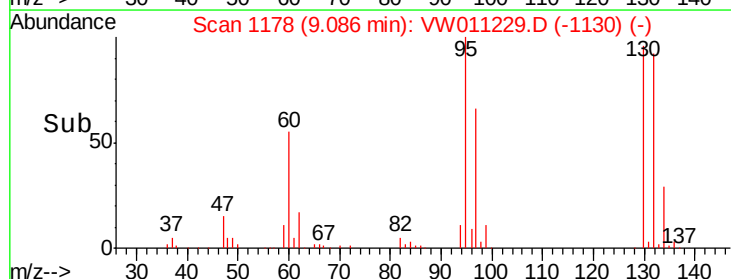
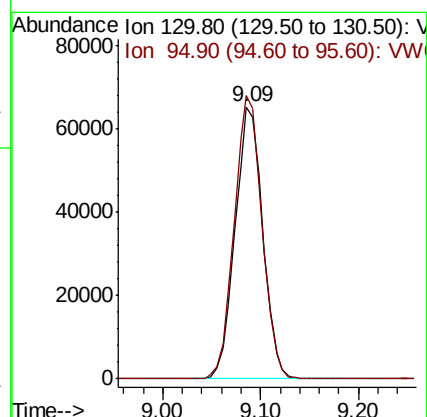
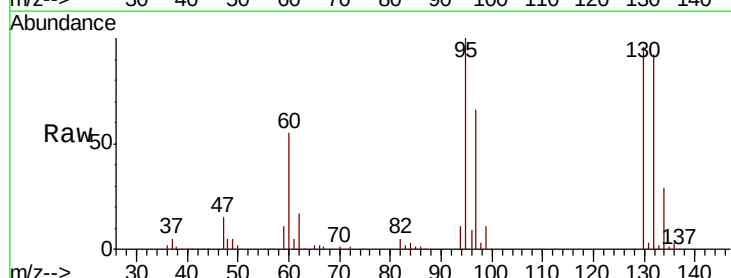
Acq: 11 Jul 2019 15:29

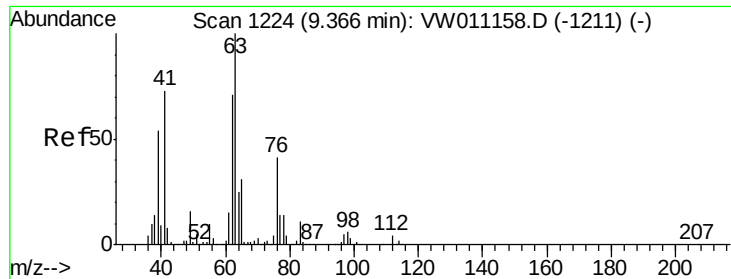
Tgt Ion: 130 Resp: 127604

Ion Ratio Lower Upper

130 100

95 103.9 0.0 203.6

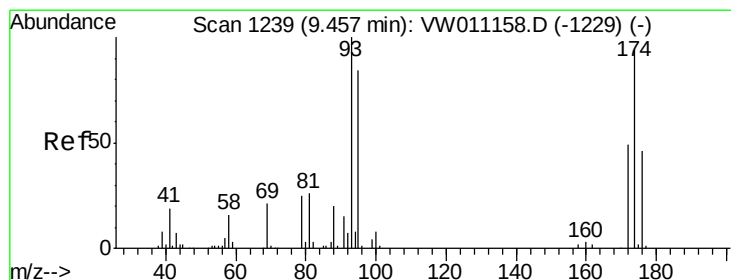
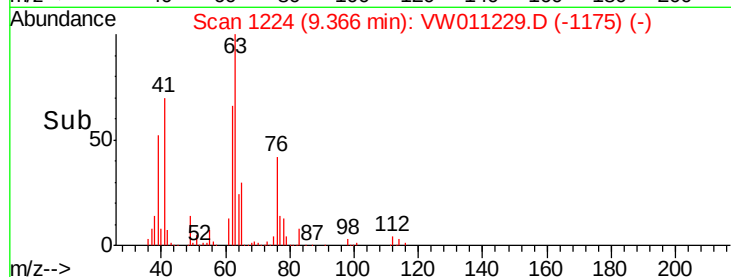
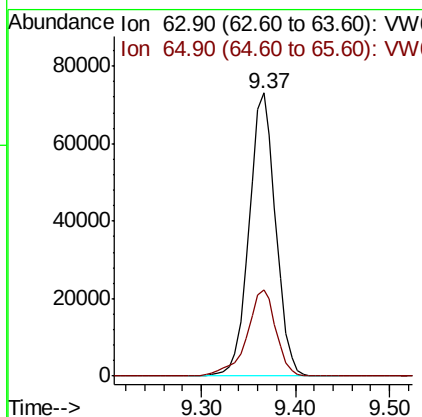
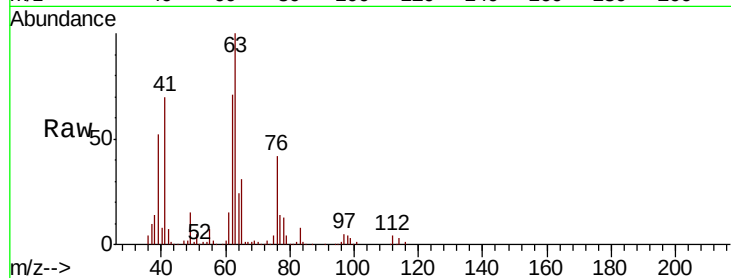




#45
 1,2-Dichloropropane
 Concen: 56.577 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

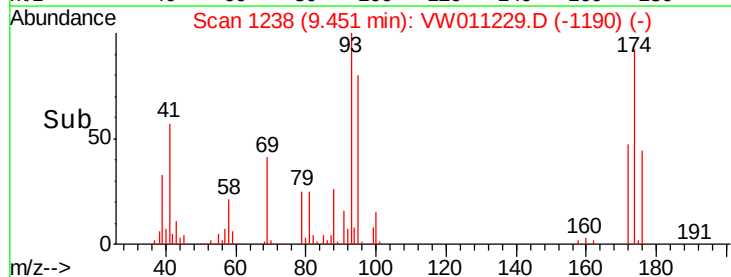
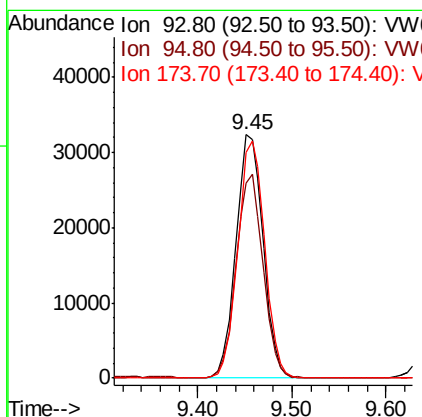
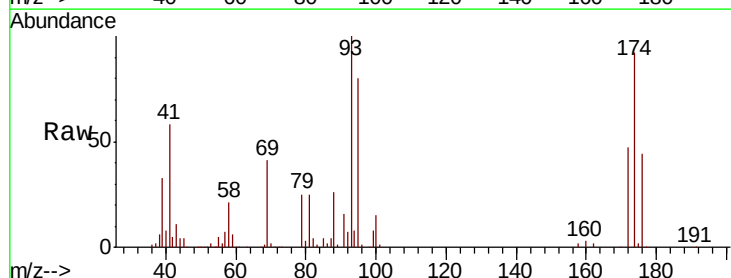
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

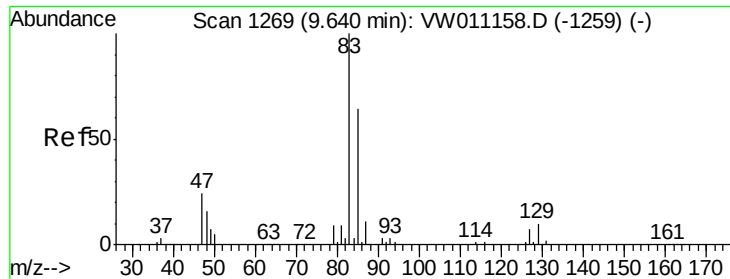
Tot Ion: 63 Resp: 144617
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6



#46
 Dibromomethane
 Concen: 53.950 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion: 93 Resp: 64780
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.2 100.8
 174 96.3 76.3 114.5





#47

Bromodichloromethane

Concen: 55.430 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

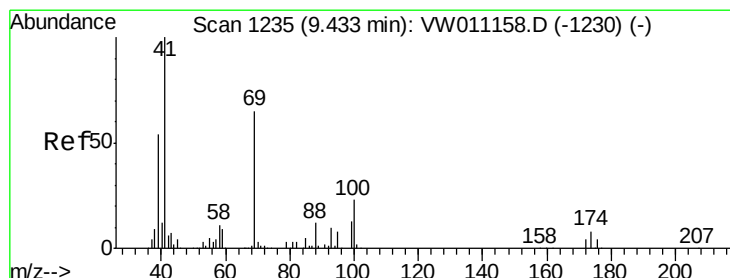
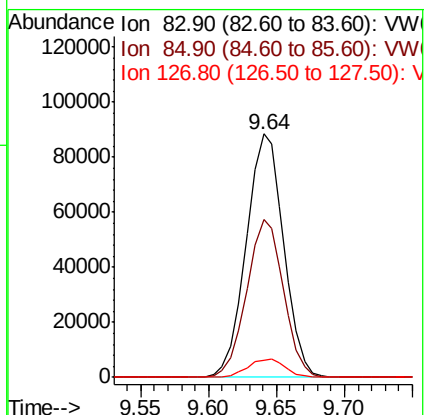
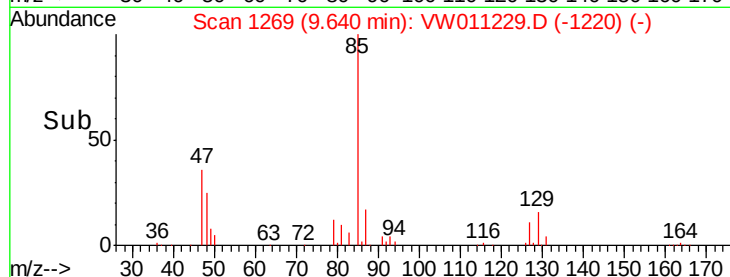
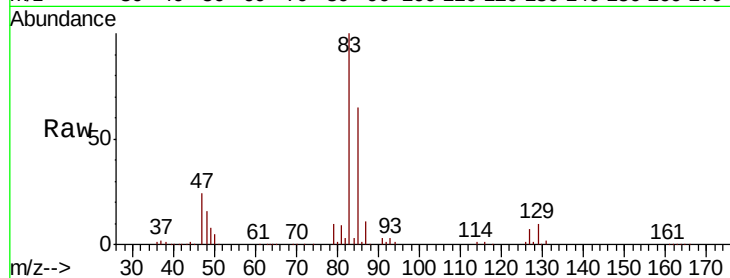
Tot Ion: 83 Resp: 170296

Ion Ratio Lower Upper

83 100

85 65.0 51.0 76.4

127 6.9 6.0 9.0



#48

Methyl methacrylate

Concen: 51.596 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

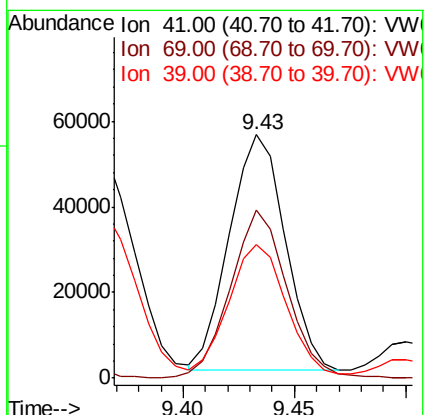
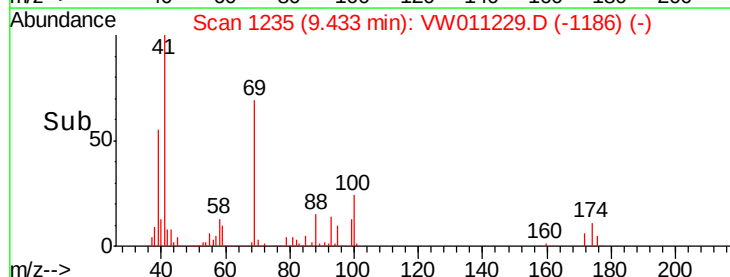
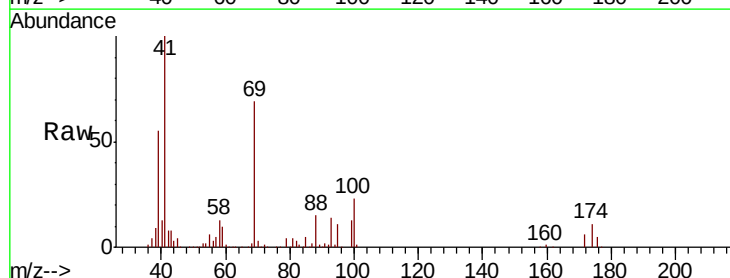
Tgt Ion: 41 Resp: 96173

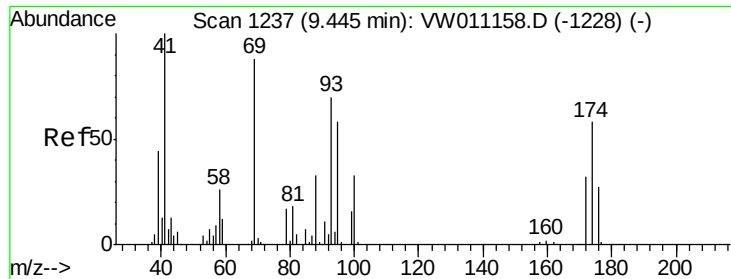
Ion Ratio Lower Upper

41 100

69 71.7 56.0 84.0

39 55.1 43.5 65.3

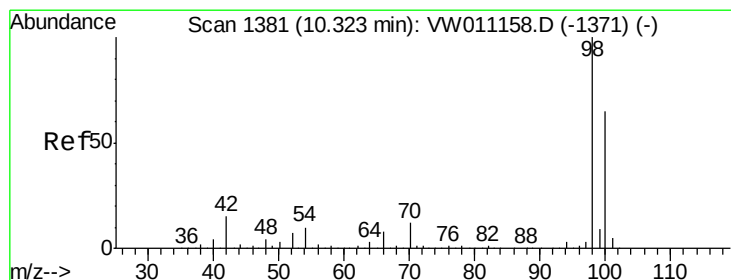
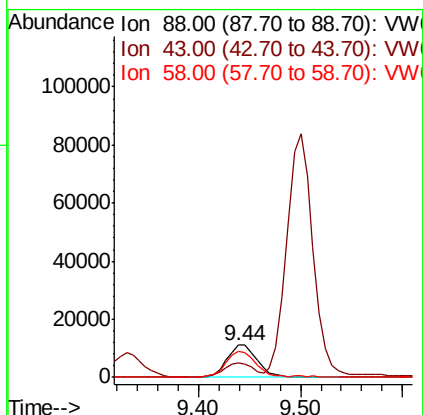
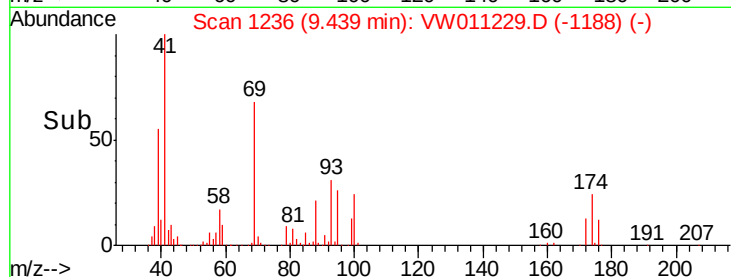
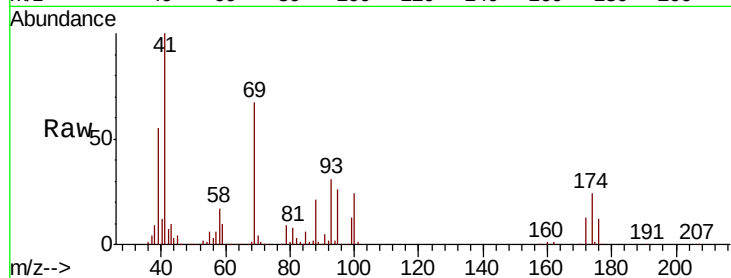




#49
1,4-Dioxane
Concen: 1131.006 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

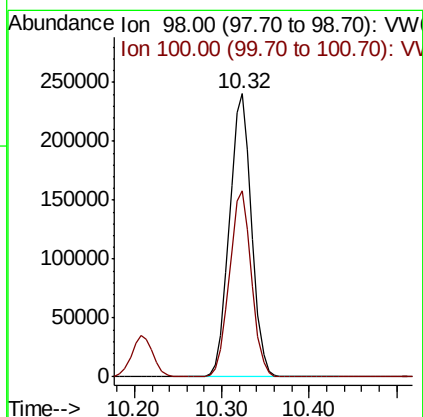
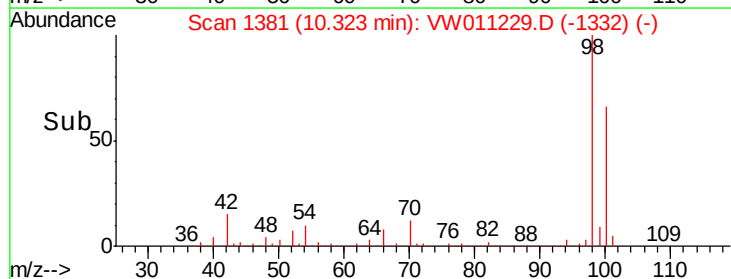
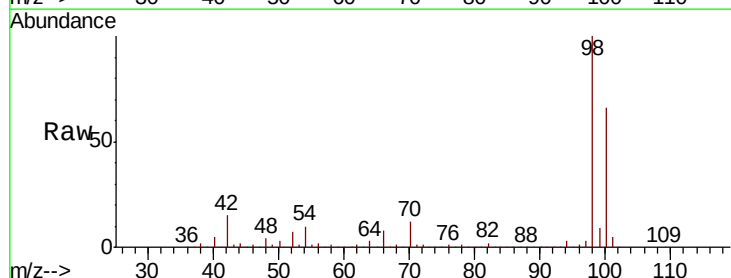
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

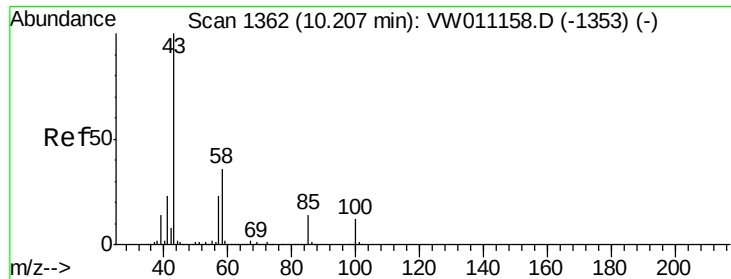
Tot Ion: 88 Resp: 22668
Ion Ratio Lower Upper
88 100
43 42.3 33.4 50.0
58 80.9 64.5 96.7



#50
Toluene-d8
Concen: 54.623 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Tgt Ion: 98 Resp: 422100
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

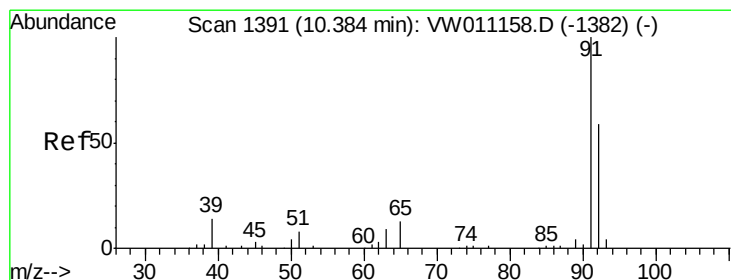
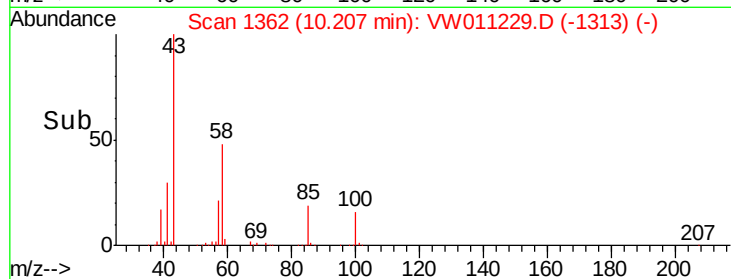
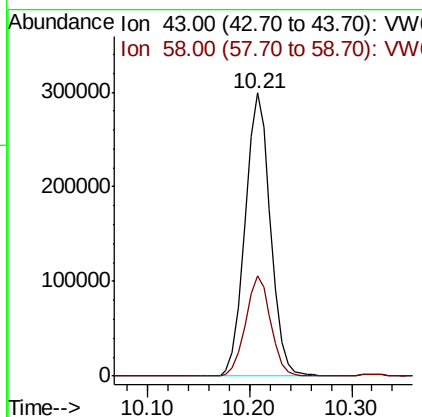
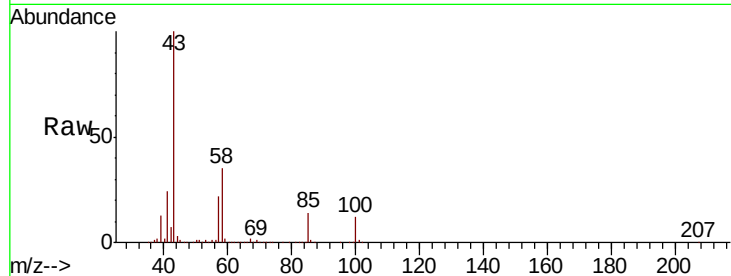




#51
 4-Methyl-2-Pentanone
 Concen: 254.189 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

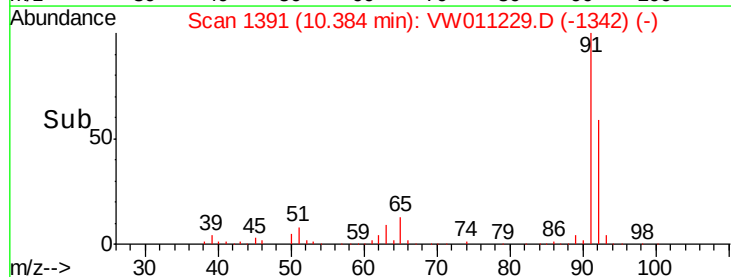
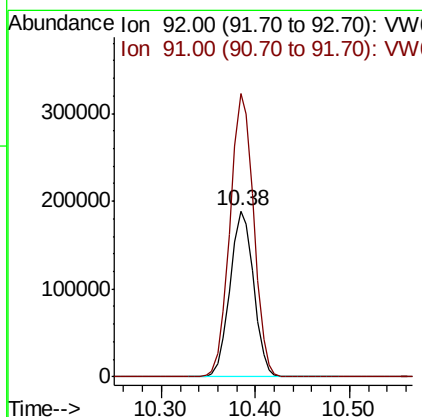
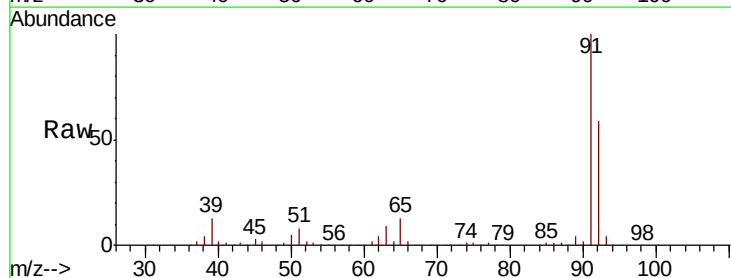
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

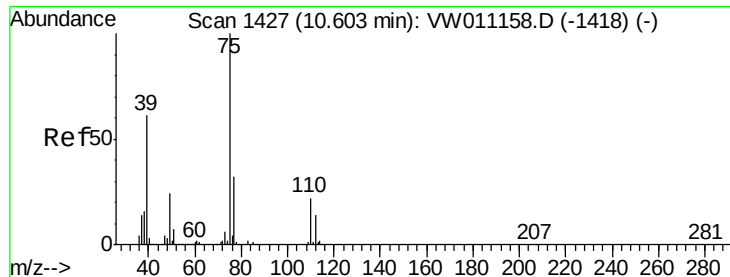
Tot Ion: 43 Resp: 514453
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.2 42.2



#52
 Toluene
 Concen: 57.426 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion: 92 Resp: 328816
 Ion Ratio Lower Upper
 92 100
 91 171.2 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 53.786 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

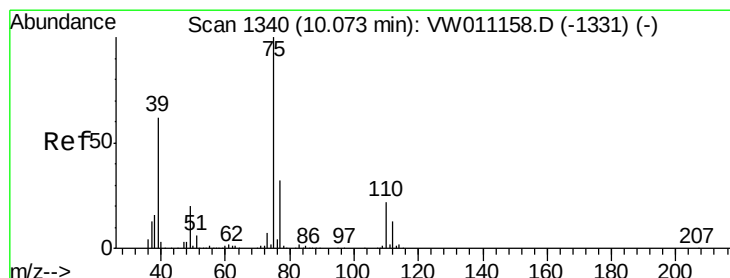
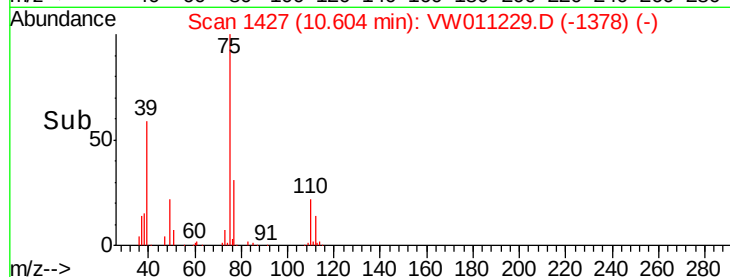
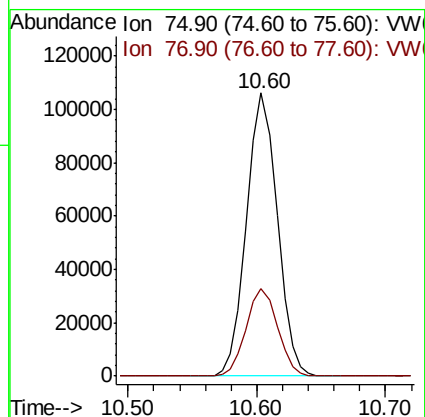
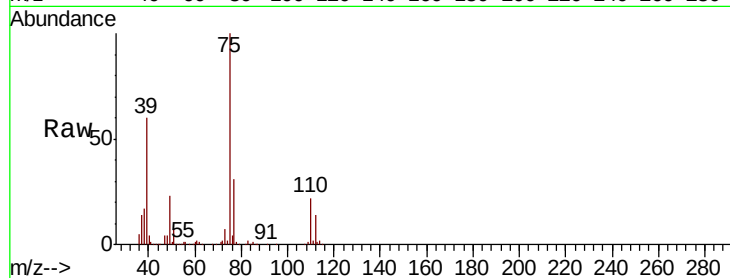
VSTDCCC050EC

Tot Ion: 75 Resp: 175894

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 55.080 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

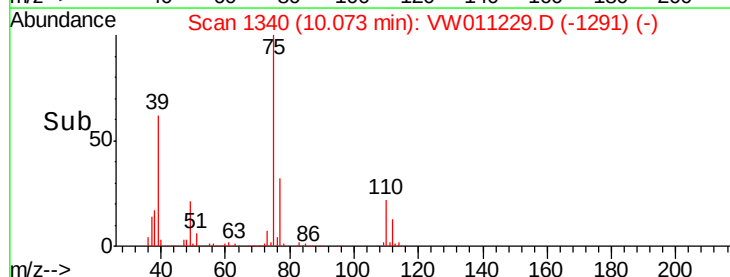
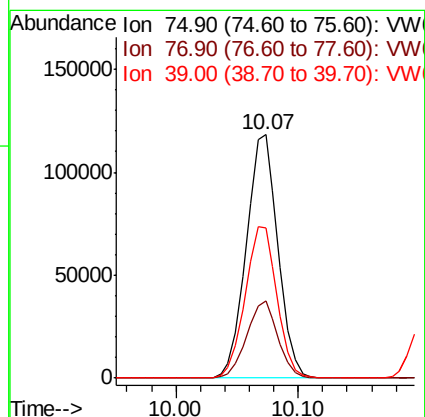
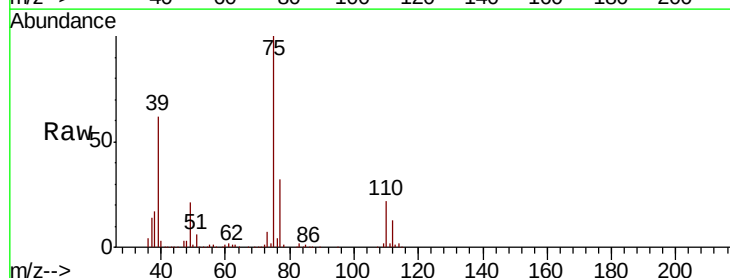
Tgt Ion: 75 Resp: 212017

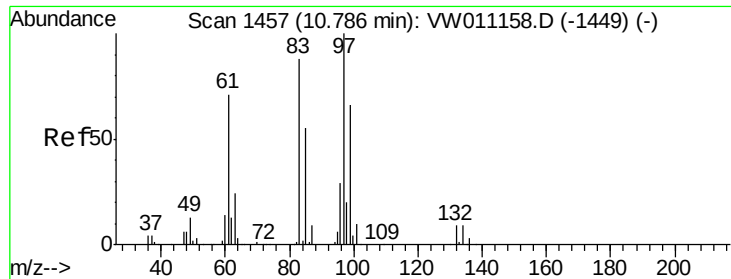
Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

39 61.5 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 54.559 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 92938

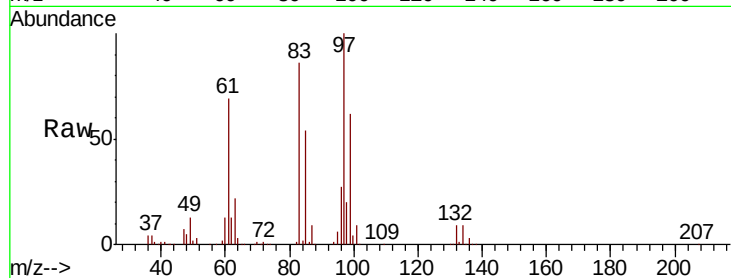
Ion Ratio Lower Upper

97 100

83 86.0 70.2 105.4

85 53.8 44.2 66.2

99 62.3 52.6 79.0



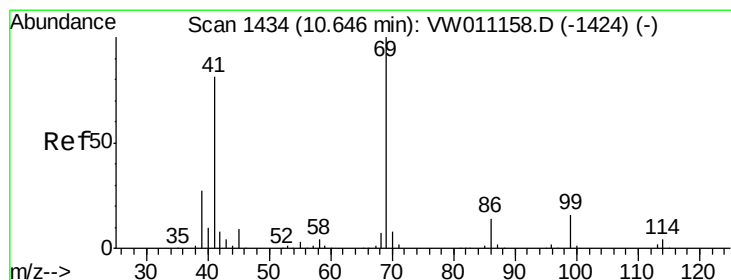
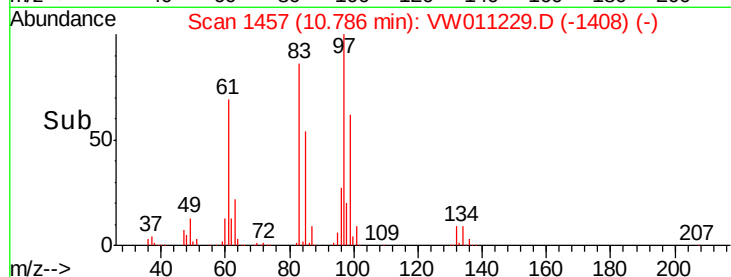
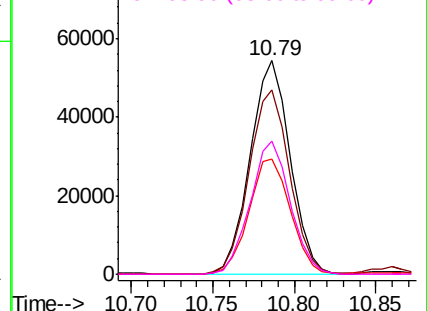
Abundance

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: 53.236 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

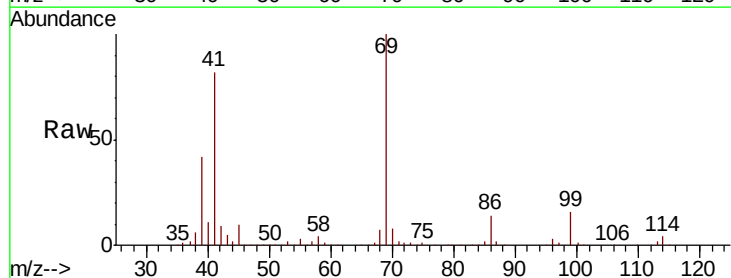
Tgt Ion: 69 Resp: 138064

Ion Ratio Lower Upper

69 100

41 84.0 66.5 99.7

39 38.2 32.5 48.7

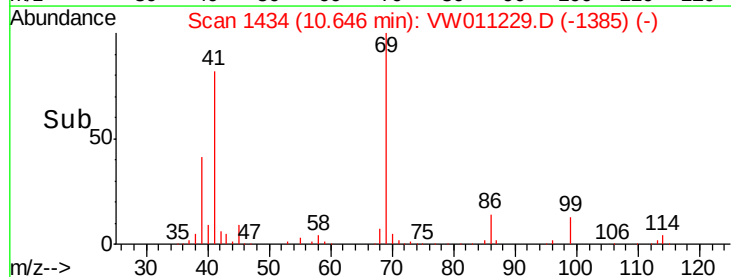
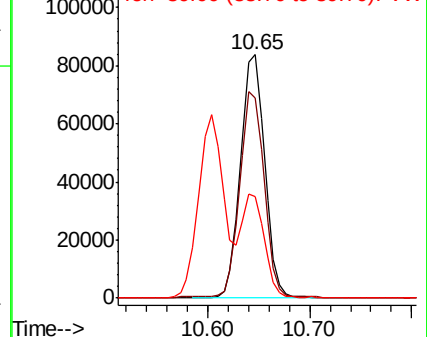


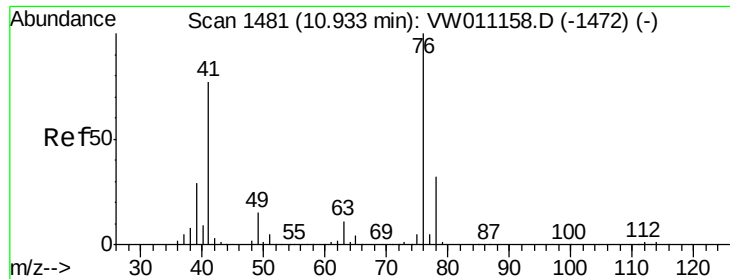
Abundance

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

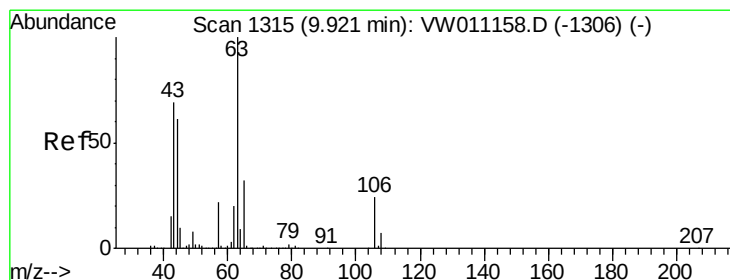
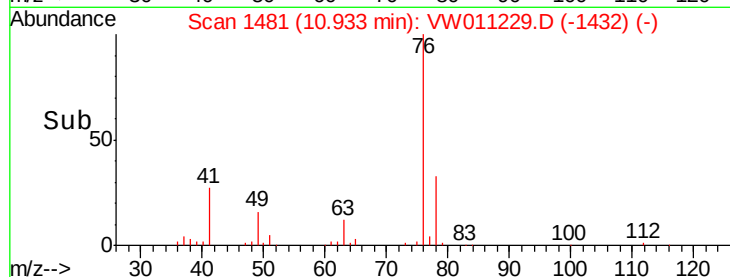
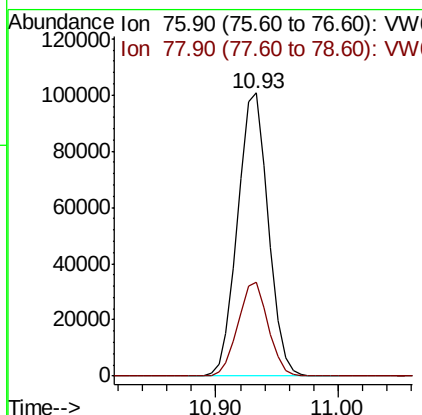
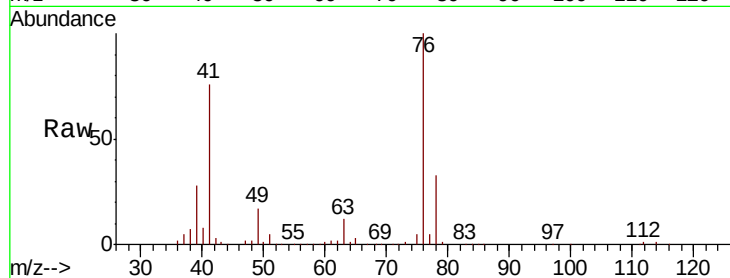




#57
 1,3-Dichloropropane
 Concen: 54.383 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

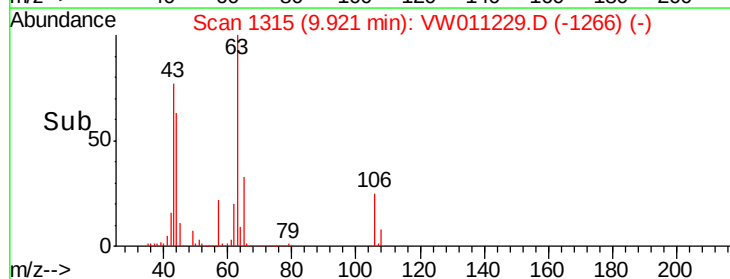
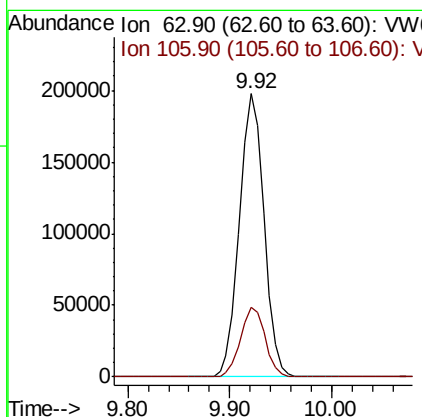
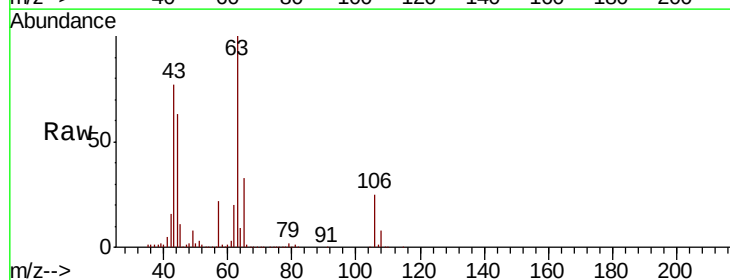
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

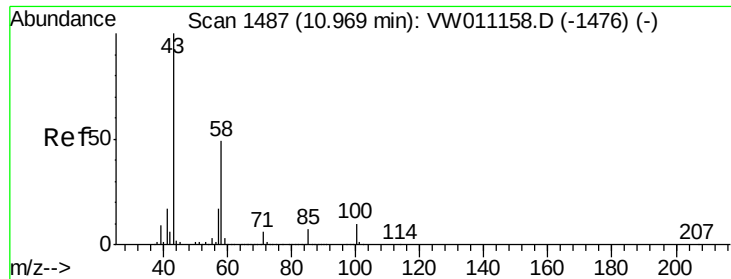
Tot Ion: 76 Resp: 175178
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.796 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion: 63 Resp: 330391
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.4 29.0

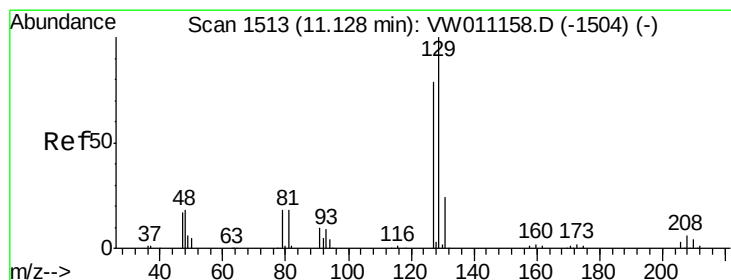
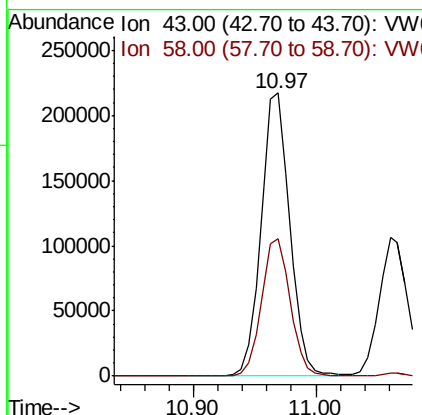
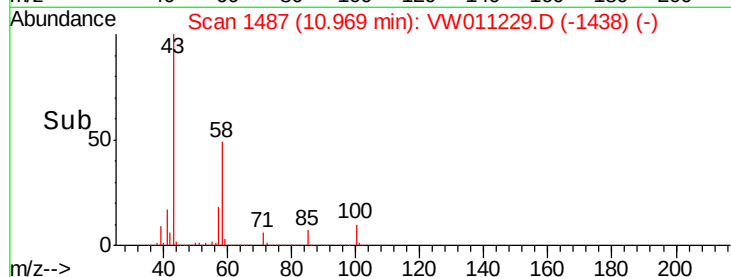
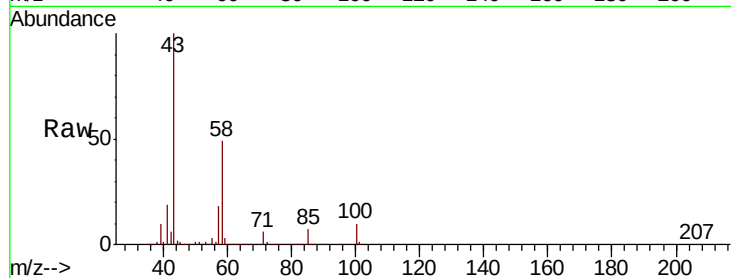




#59
2-Hexanone
Concen: 252.728 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

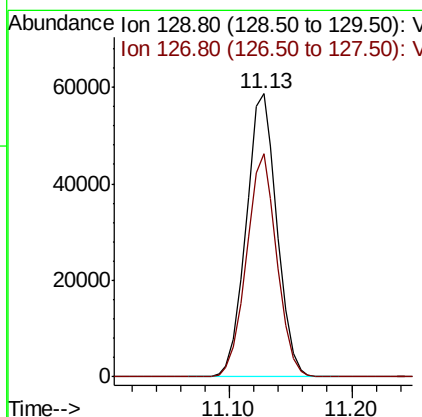
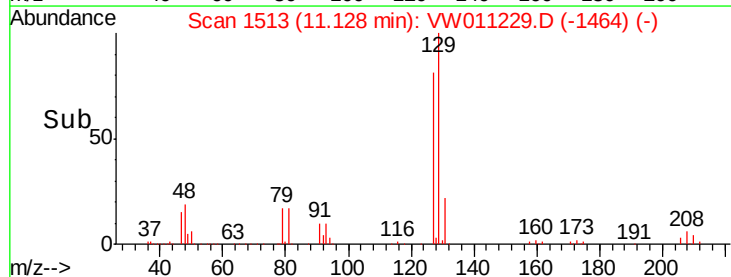
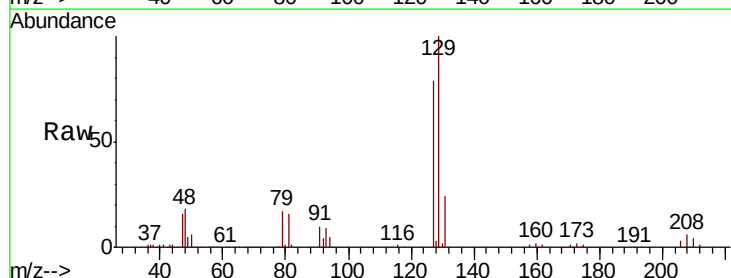
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

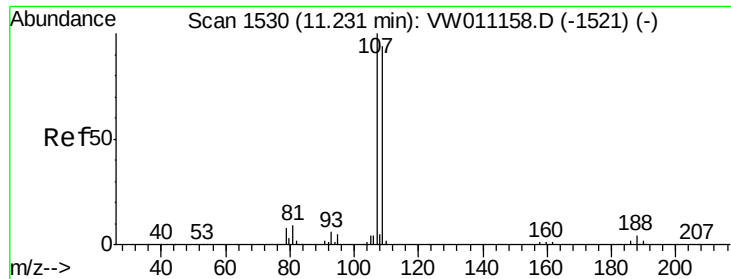
Tot Ion: 43 Resp: 354723
Ion Ratio Lower Upper
43 100
58 48.8 24.4 73.4



#60
Dibromochloromethane
Concen: 54.869 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Tgt Ion:129 Resp: 102491
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3

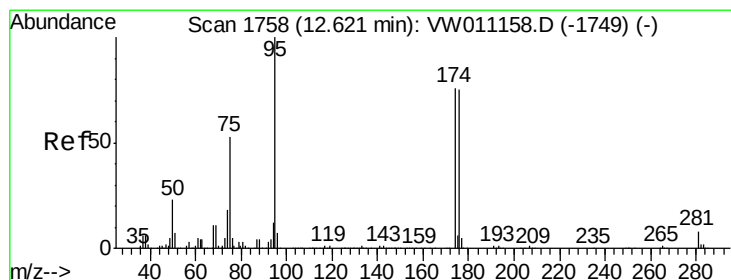
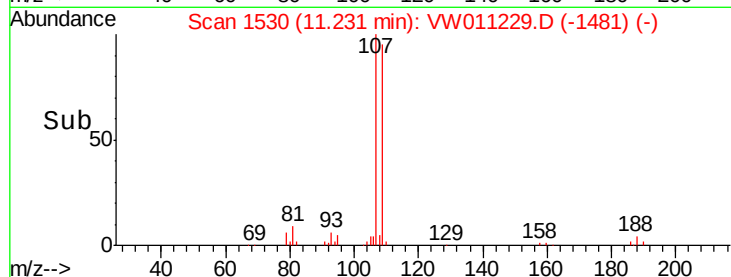
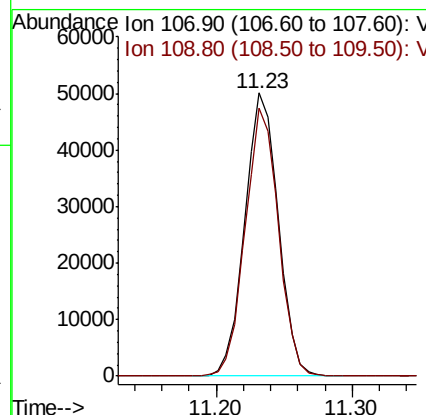
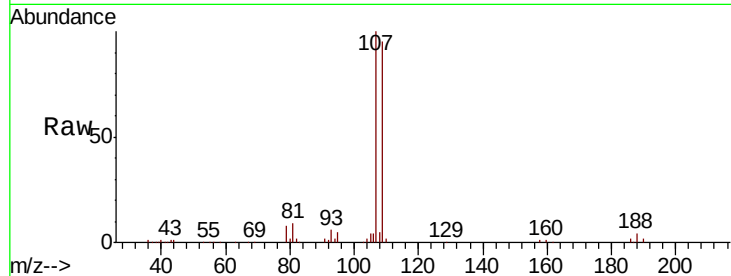




#61
 1,2-Dibromoethane
 Concen: 53.466 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

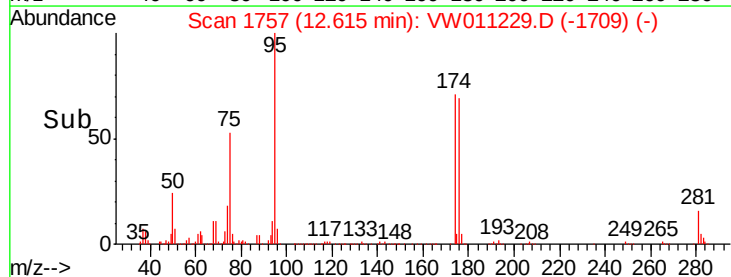
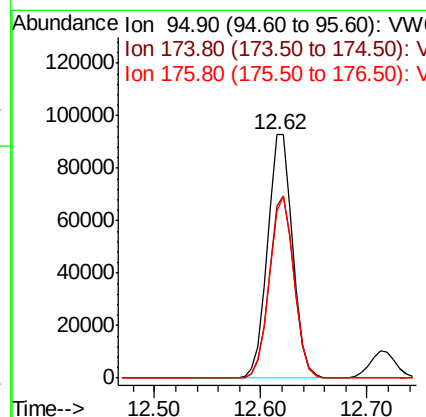
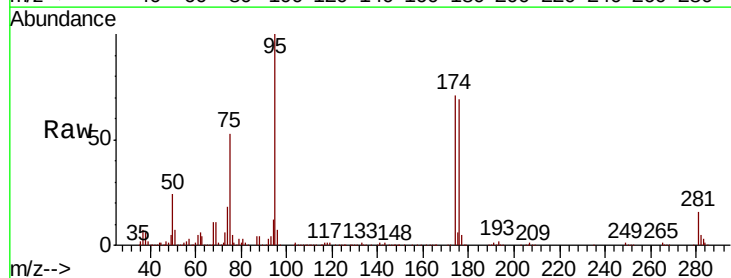
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

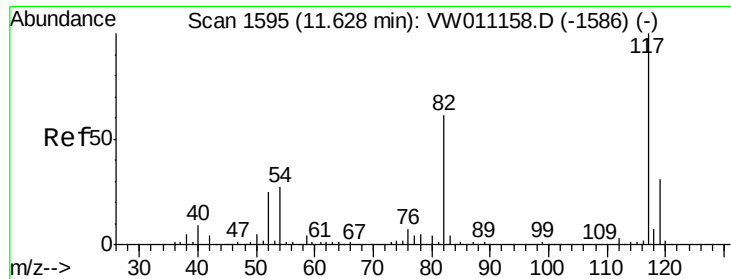
Tot Ion:107 Resp: 86270
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 54.240 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion: 95 Resp: 153628
 Ion Ratio Lower Upper
 95 100
 174 73.8 0.0 147.6
 176 72.6 0.0 144.6

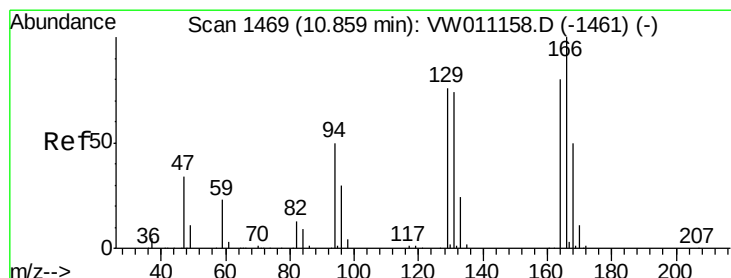
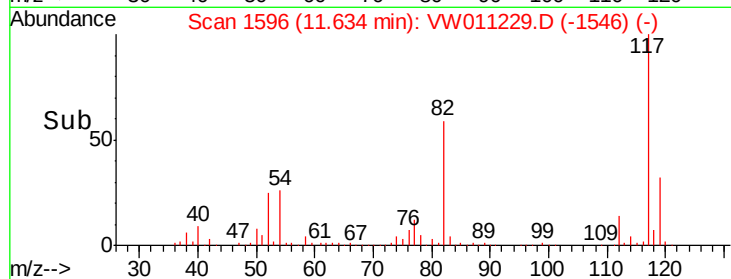
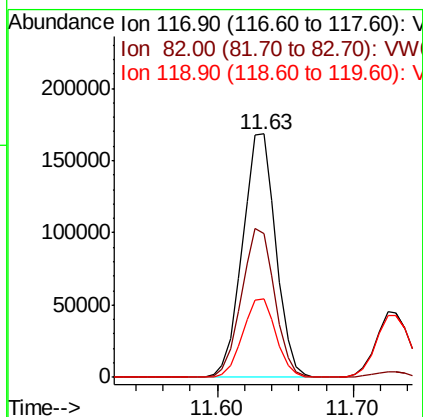
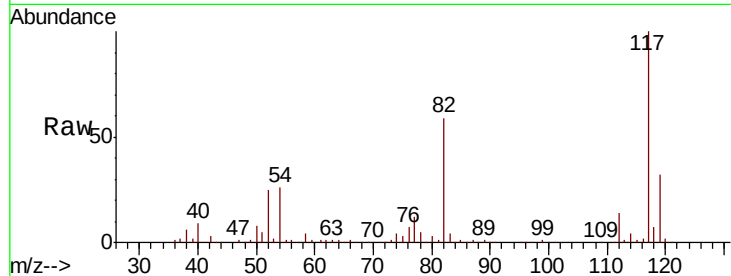




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

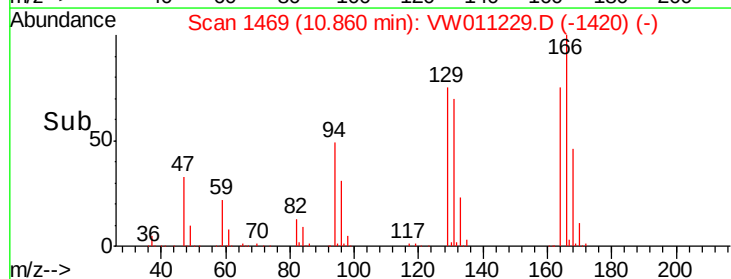
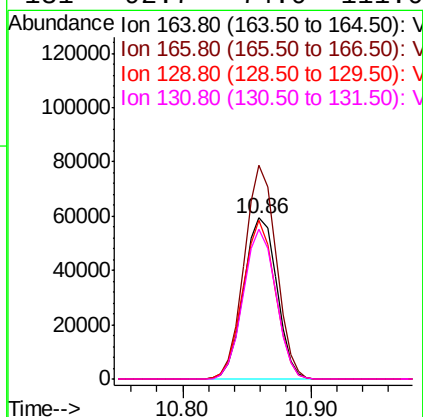
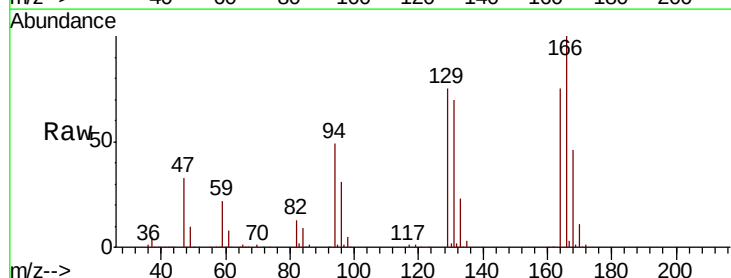
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

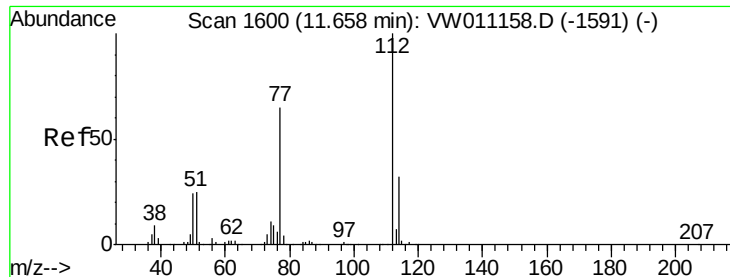
Tot Ion:117 Resp: 288293
Ion Ratio Lower Upper
117 100
82 59.0 48.9 73.3
119 32.0 25.0 37.6



#64
Tetrachloroethene
Concen: 54.250 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Tgt Ion:164 Resp: 105534
Ion Ratio Lower Upper
164 100
166 132.6 99.7 149.5
129 98.8 76.2 114.2
131 92.7 74.0 111.0

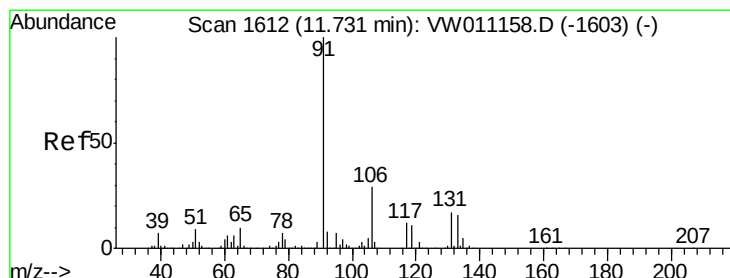
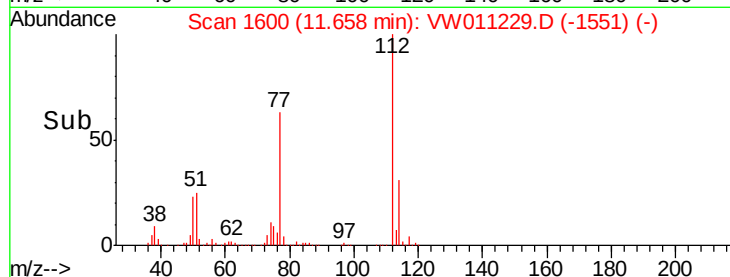
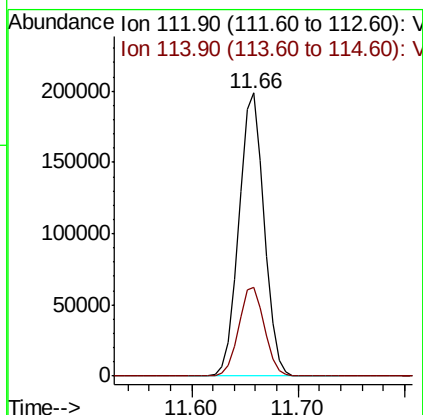
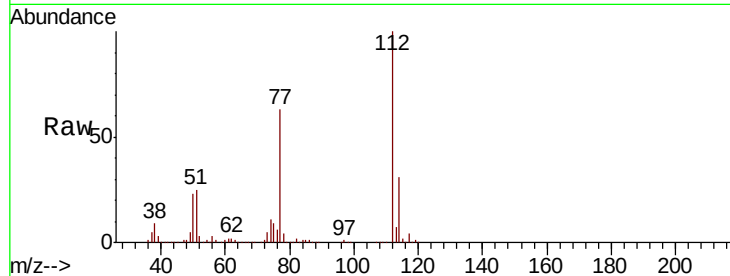




#65
Chlorobenzene
Concen: 56.425 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

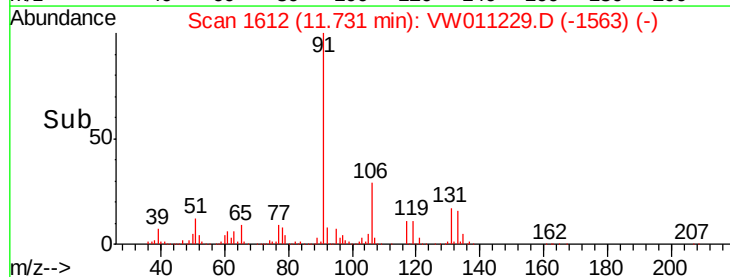
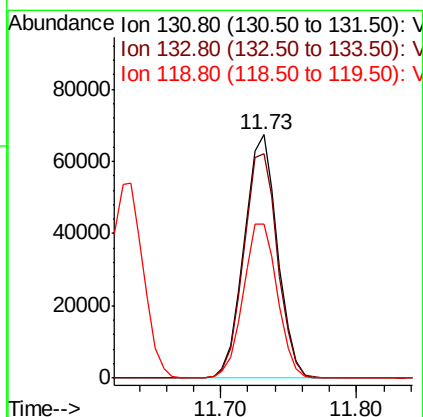
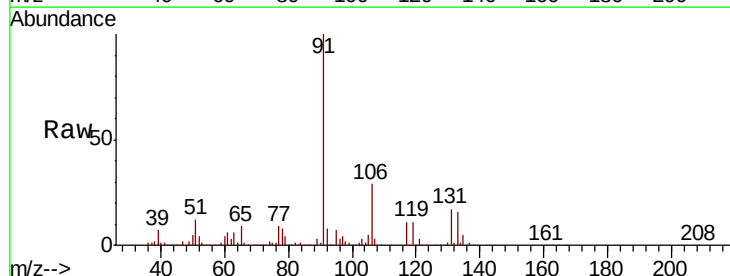
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

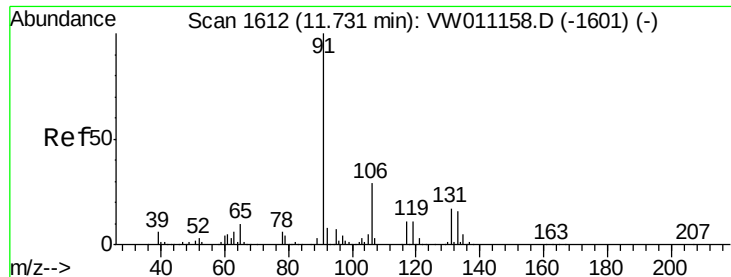
Tot Ion:112 Resp: 330726
Ion Ratio Lower Upper
112 100
114 31.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 55.694 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Tgt Ion:131 Resp: 114940
Ion Ratio Lower Upper
131 100
133 94.6 47.9 143.8
119 65.3 33.1 99.2

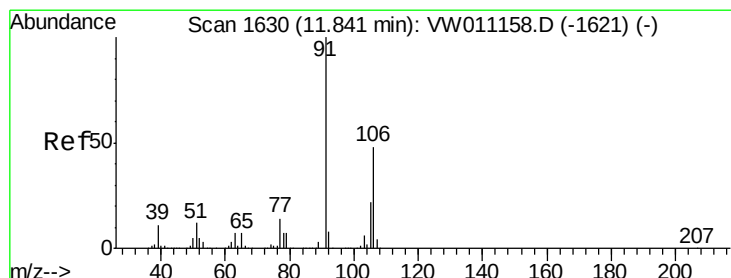
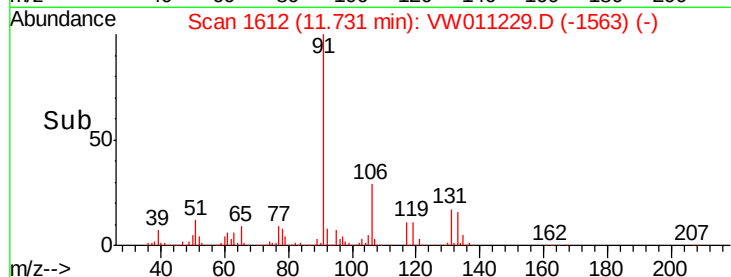
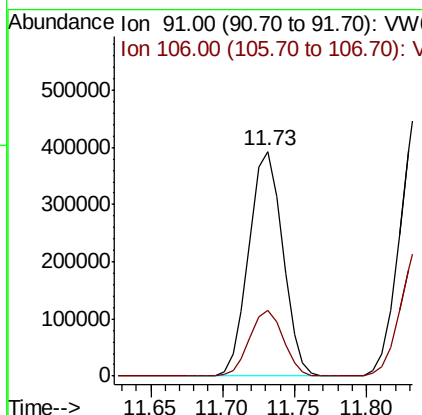
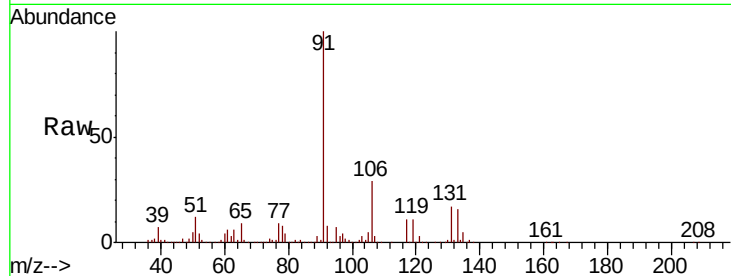




#67
Ethyl Benzene
Concen: 57.213 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

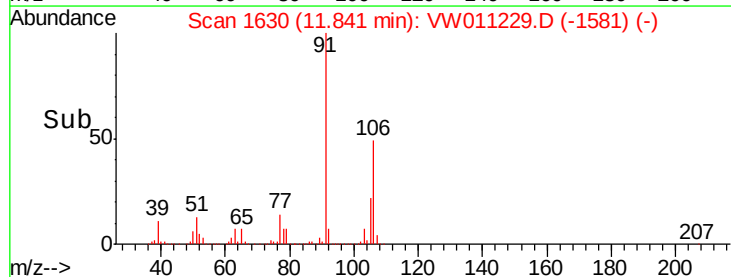
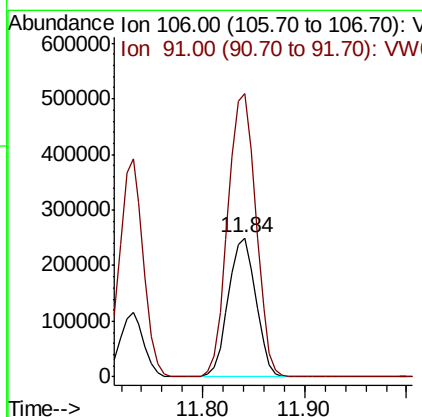
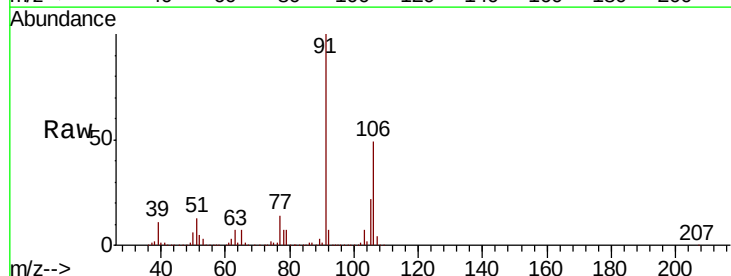
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

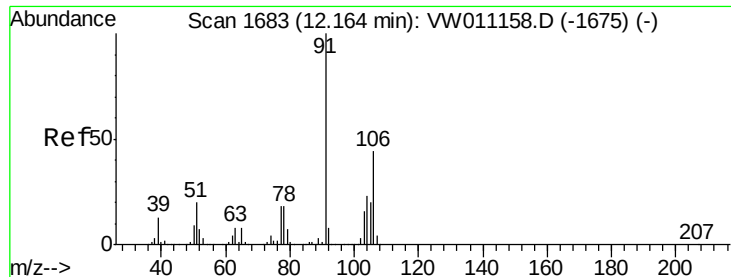
Tot Ion: 91 Resp: 641967
Ion Ratio Lower Upper
91 100
106 29.5 23.5 35.3



#68
m/p-Xylenes
Concen: 114.678 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Tgt Ion: 106 Resp: 465607
Ion Ratio Lower Upper
106 100
91 208.5 167.7 251.5

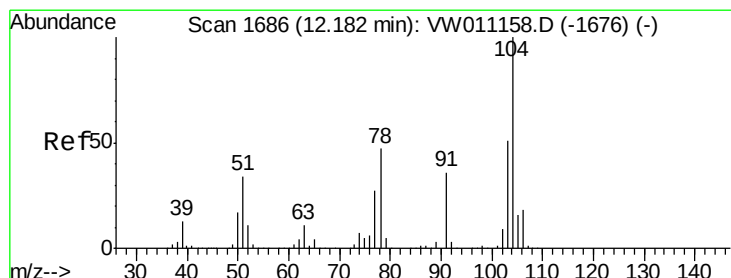
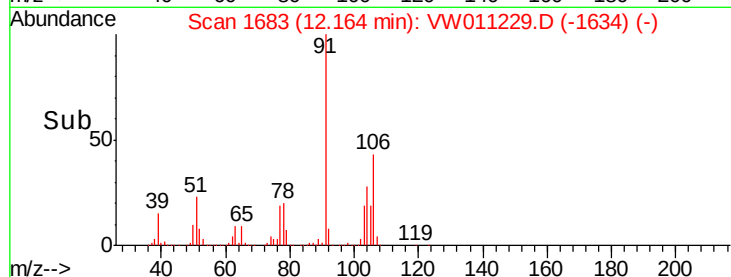
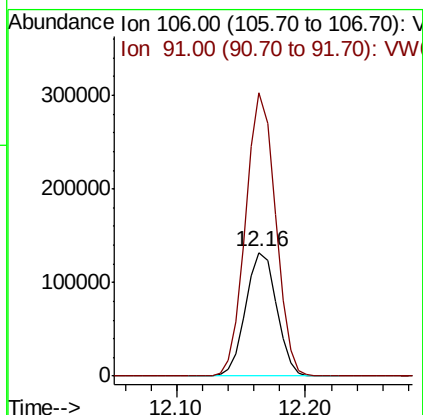
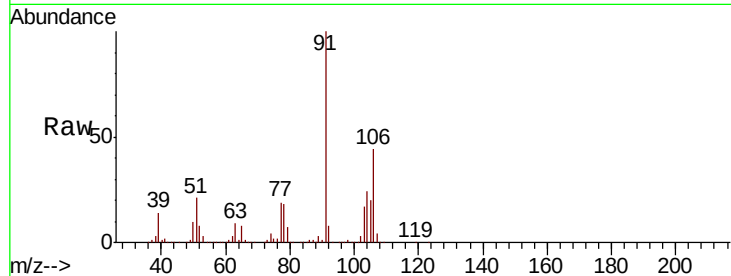




#69
o-Xylene
Concen: 56.950 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

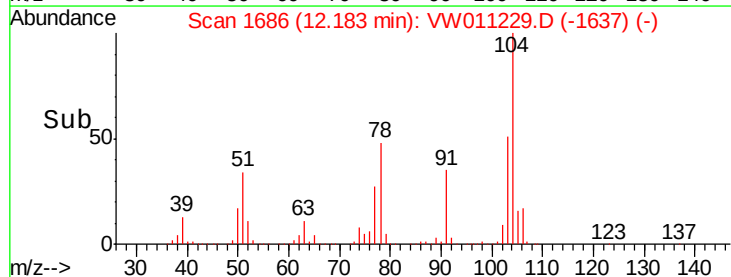
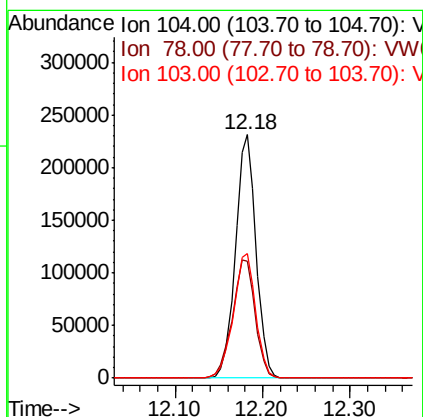
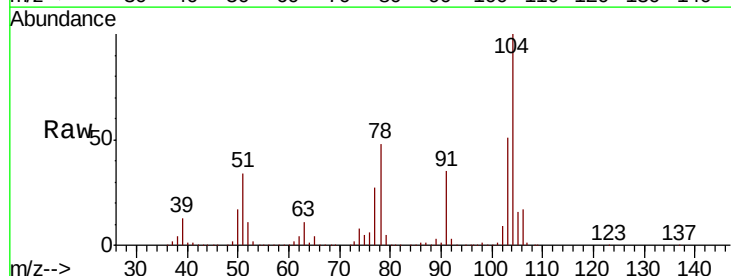
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

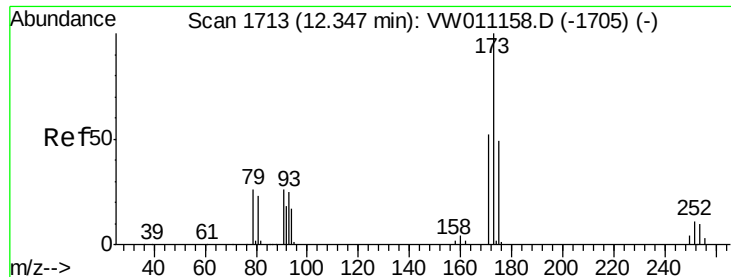
Tot Ion:106 Resp: 217930
Ion Ratio Lower Upper
106 100
91 223.2 110.7 332.1



#70
Styrene
Concen: 57.347 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Tgt Ion:104 Resp: 378734
Ion Ratio Lower Upper
104 100
78 54.1 43.1 64.7
103 55.4 44.1 66.1





#71

Bromoform

Concen: 50.102 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

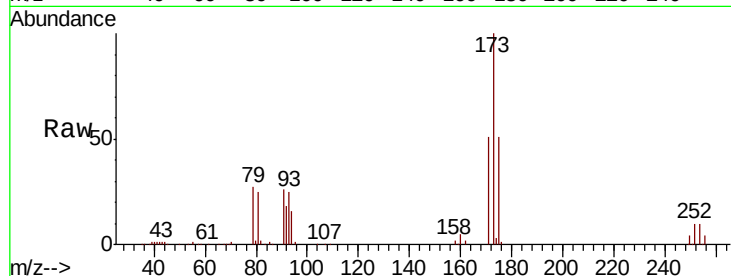
Tot Ion:173 Resp: 54976

Ion Ratio Lower Upper

173 100

175 48.9 24.8 74.3

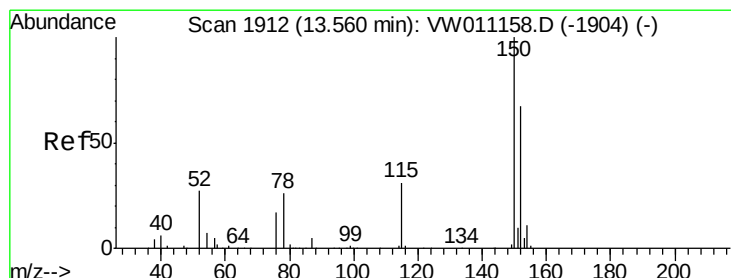
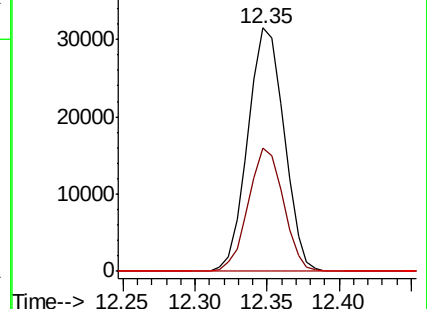
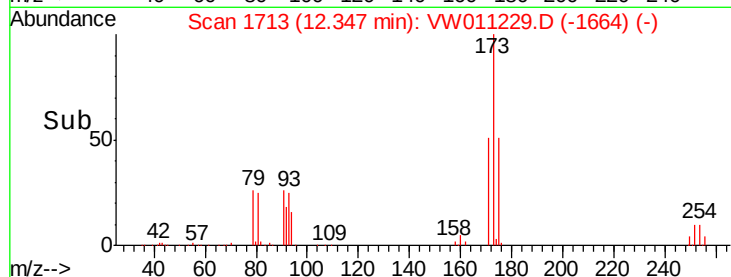
254 0.1 0.0 0.0#



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: VW011229.D

Acq: 11 Jul 2019 15:29

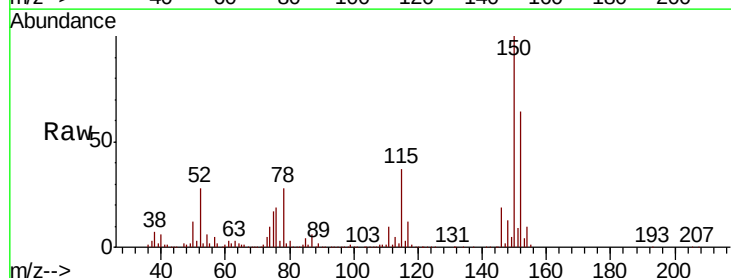
Tgt Ion:152 Resp: 143718

Ion Ratio Lower Upper

152 100

115 59.2 30.1 90.3

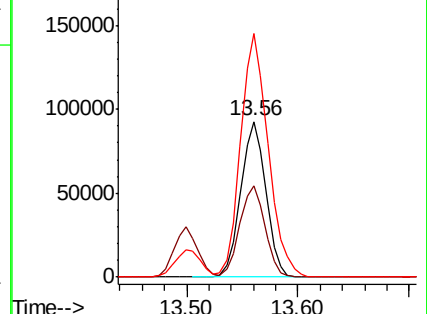
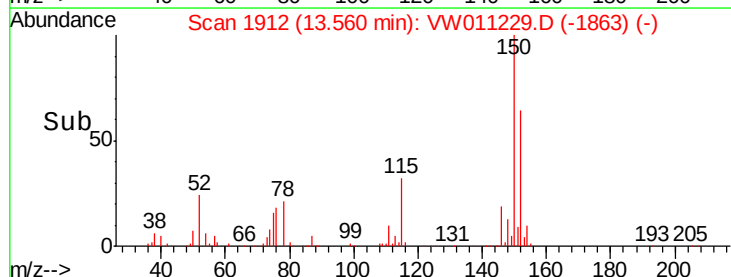
150 172.9 0.0 346.0

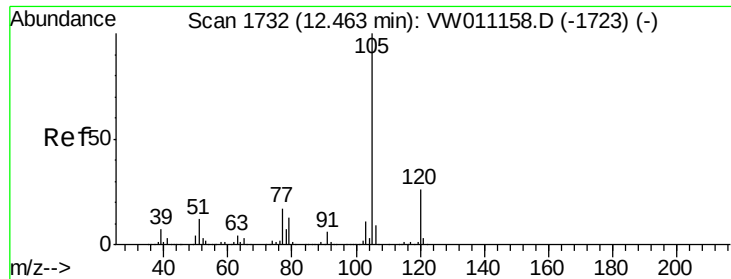


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.160 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

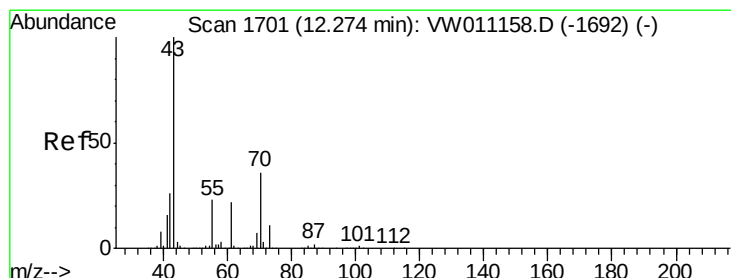
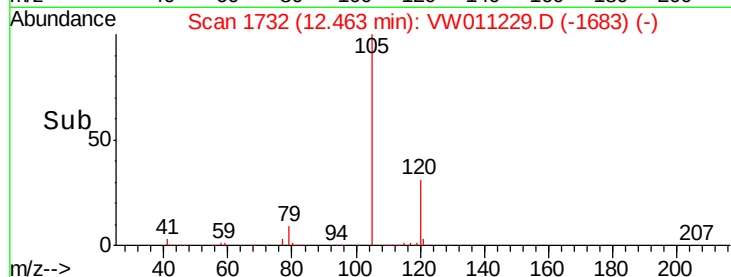
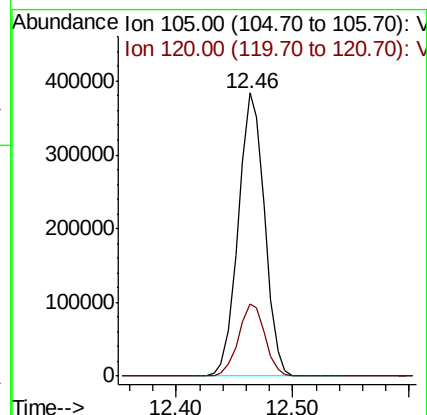
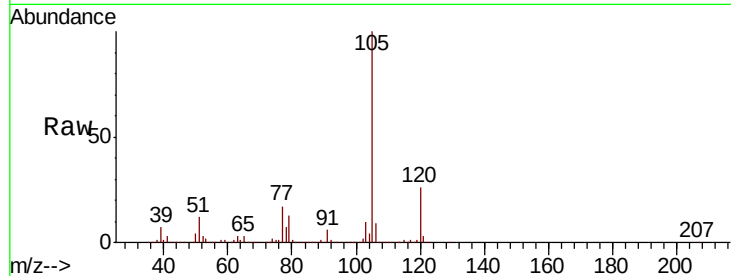
VSTDCCC050EC

Tot Ion:105 Resp: 603351

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3



#74

N-ethyl acetate

Concen: 51.598 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Tgt Ion: 43 Resp: 193062

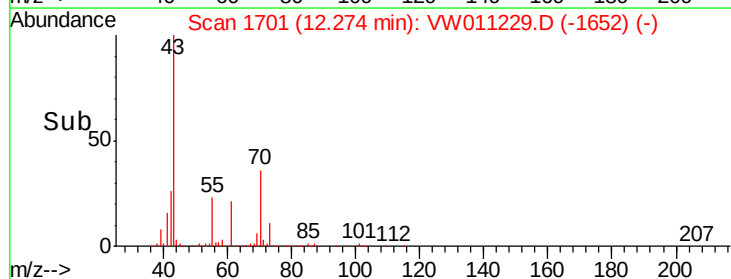
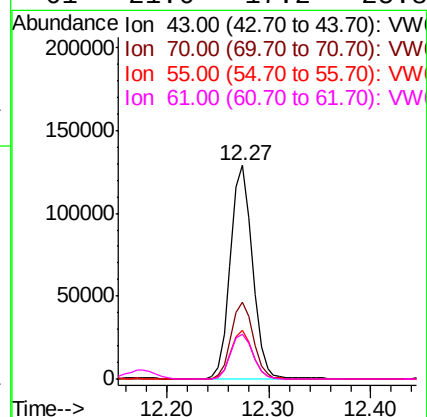
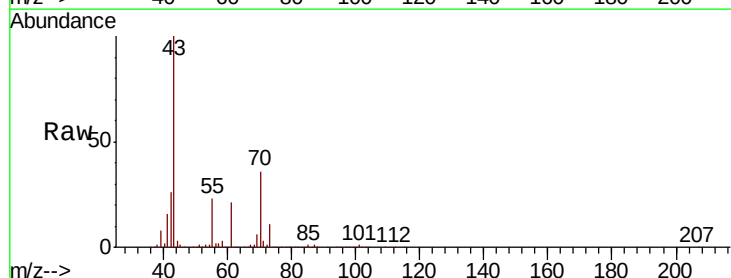
Ion Ratio Lower Upper

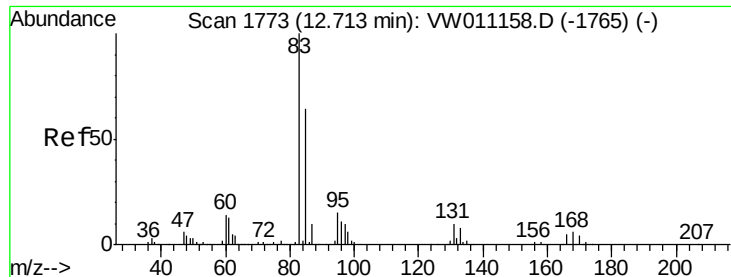
43 100

70 36.2 28.5 42.7

55 22.5 18.1 27.1

61 21.6 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.910 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

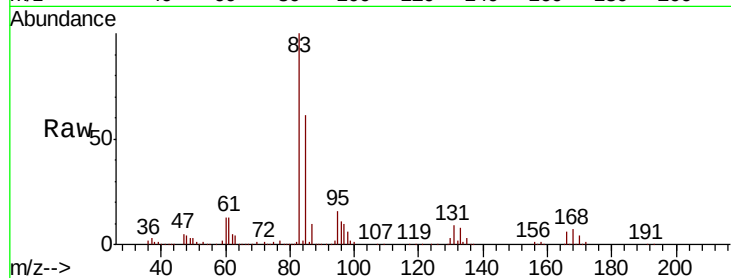
Tot Ion: 83 Resp: 109915

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

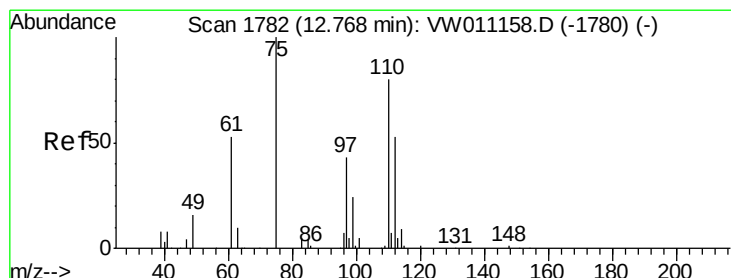
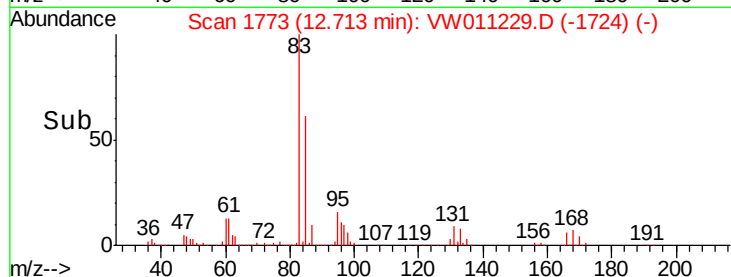
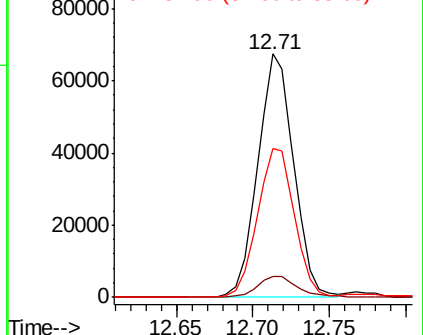
85 63.2 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 86.723 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011229.D

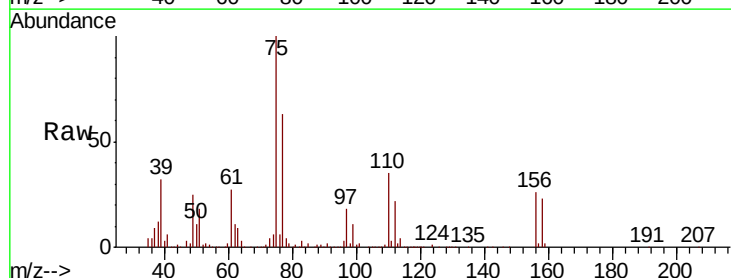
Acq: 11 Jul 2019 15:29

Tgt Ion: 75 Resp: 144033

Ion Ratio Lower Upper

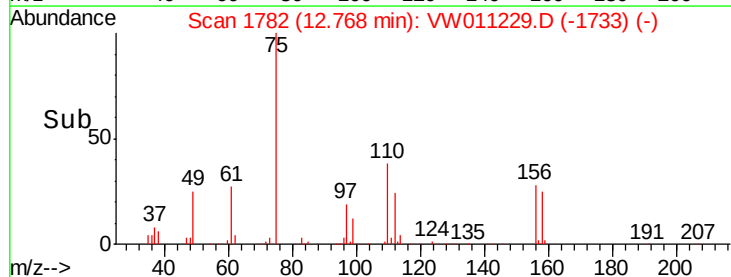
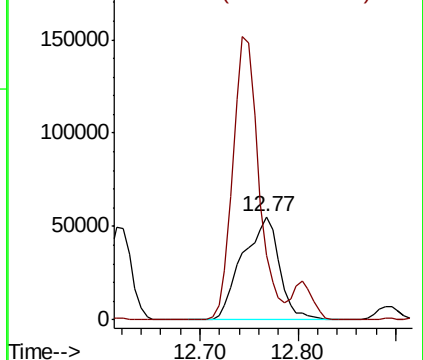
75 100

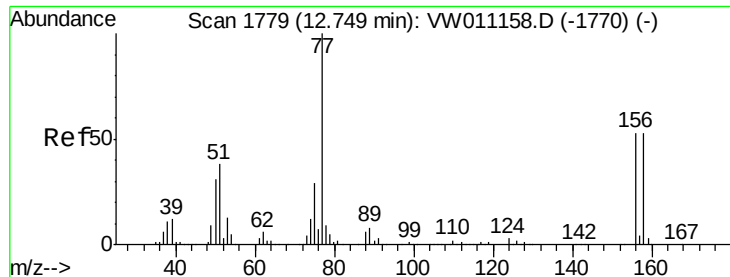
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

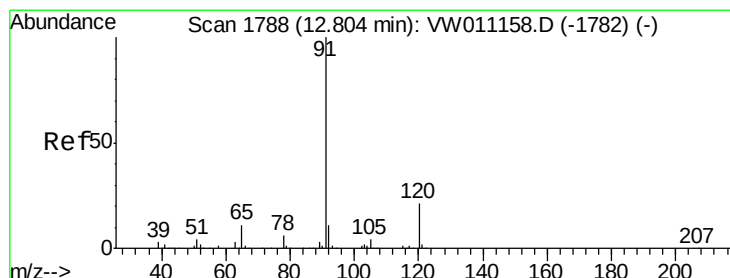
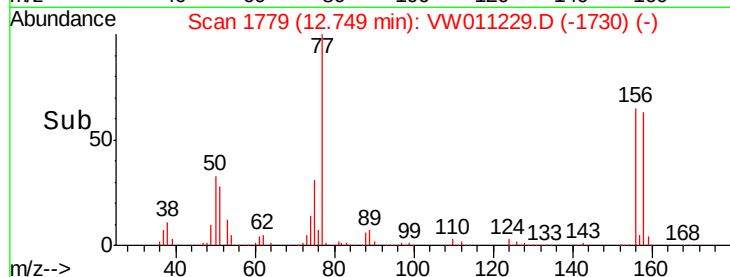
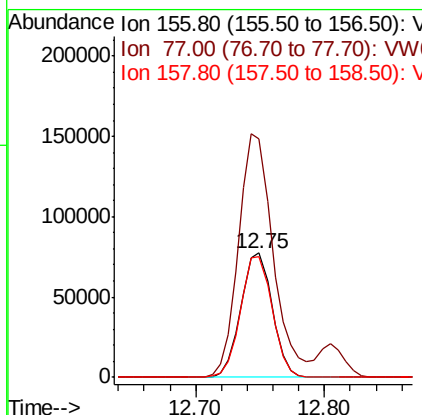
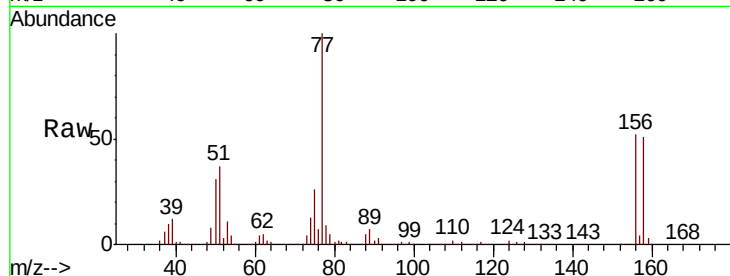




#77
Bromobenzene
Concen: 54.193 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

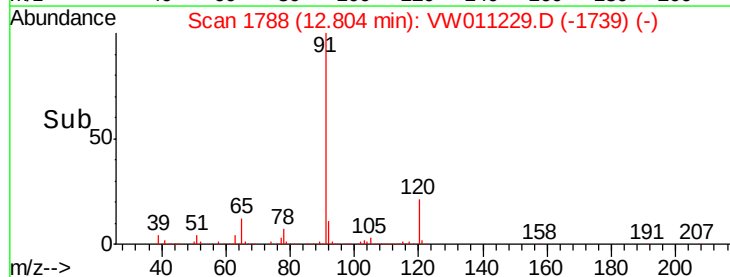
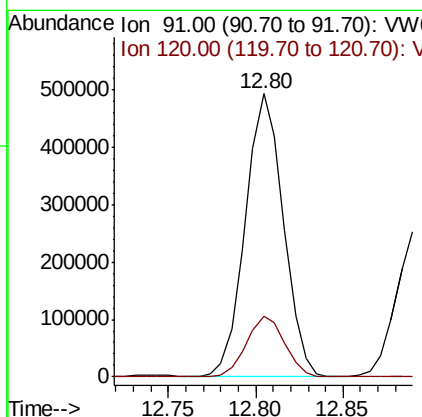
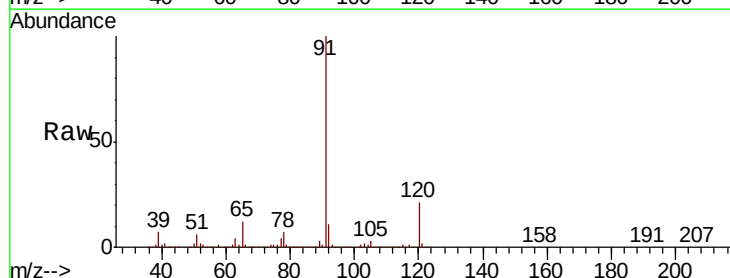
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

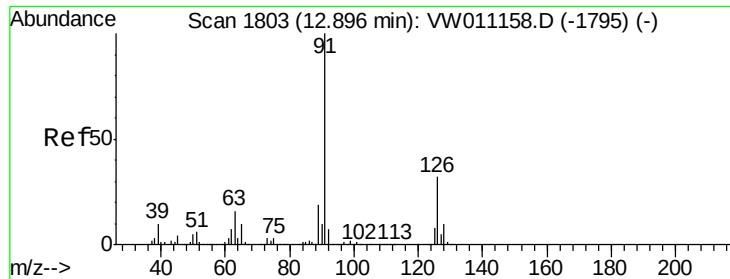
Tot Ion:156 Resp: 130661
Ion Ratio Lower Upper
156 100
77 215.3 109.0 327.0
158 97.5 48.8 146.3



#78
n-propylbenzene
Concen: 56.352 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Tgt Ion: 91 Resp: 745780
Ion Ratio Lower Upper
91 100
120 21.5 10.8 32.3

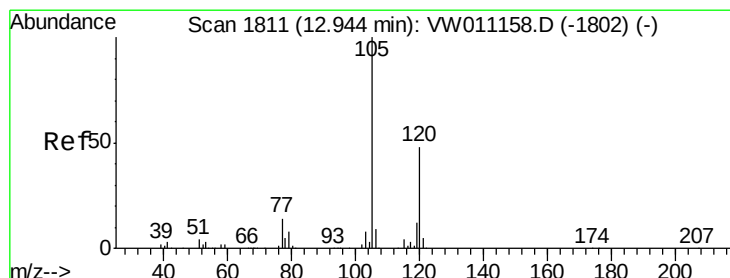
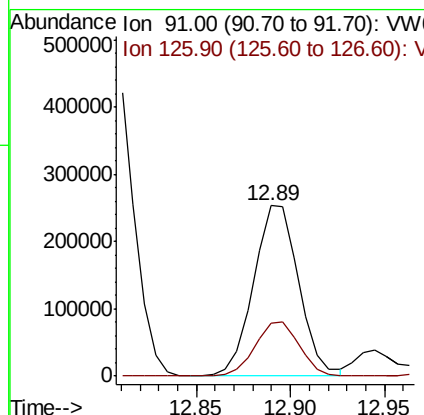
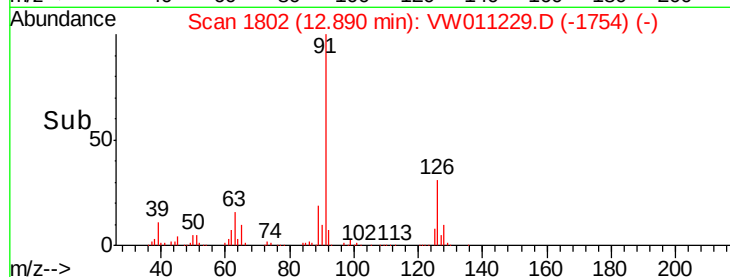
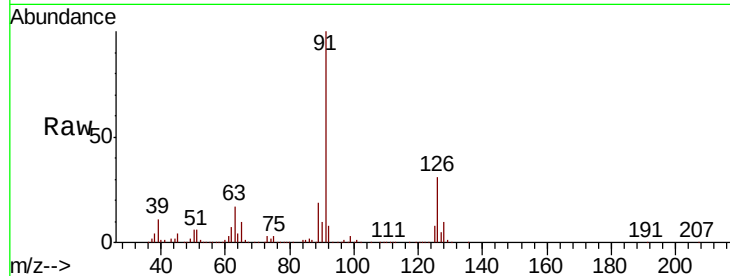




#79
 2-Chlorotoluene
 Concen: 55.453 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

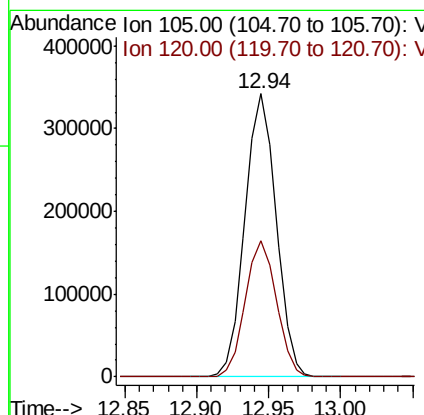
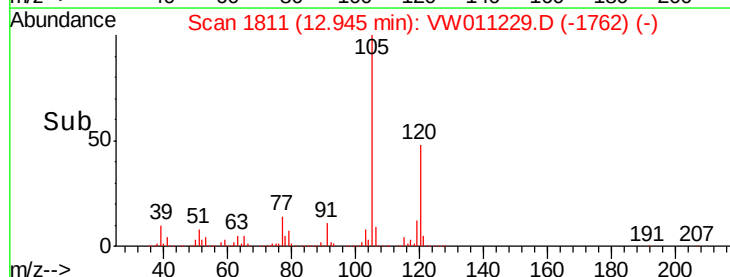
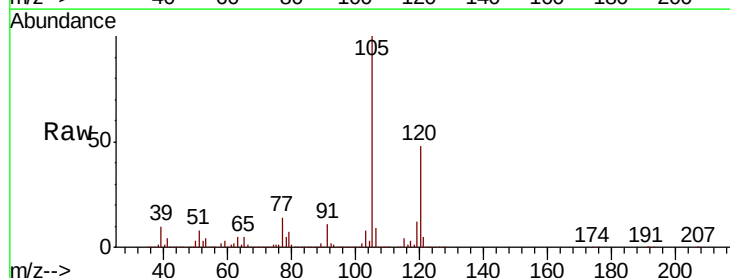
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

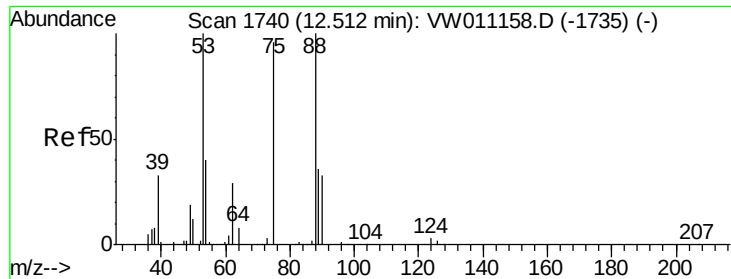
Tot Ion: 91 Resp: 422317
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 56.315 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion: 105 Resp: 513999
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 45.902 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

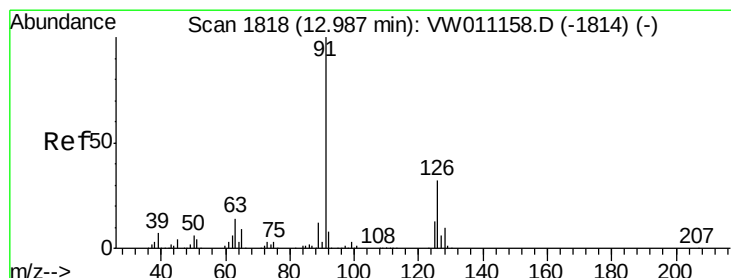
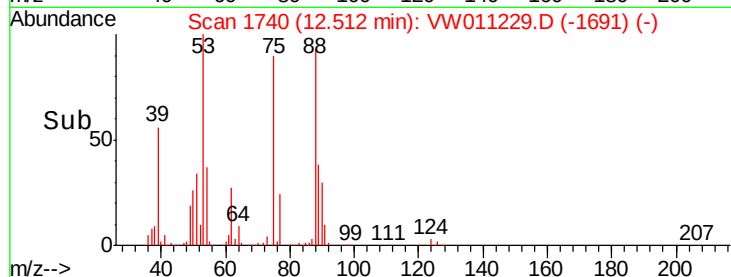
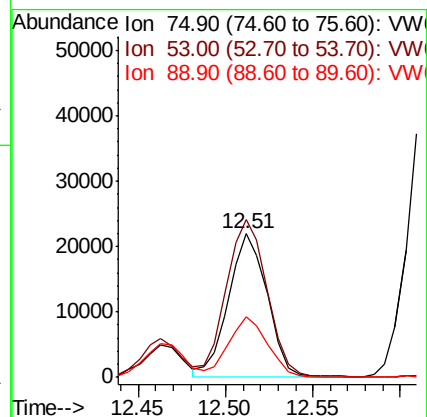
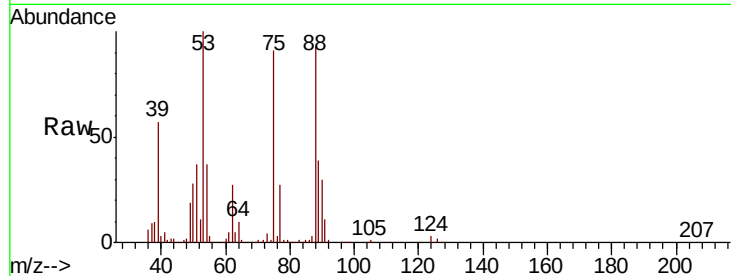
Tot Ion: 75 Resp: 33706

Ion Ratio Lower Upper

75 100

53 114.3 89.8 134.6

89 42.5 34.3 51.5



#82

4-Chlorotoluene

Concen: 55.434 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011229.D

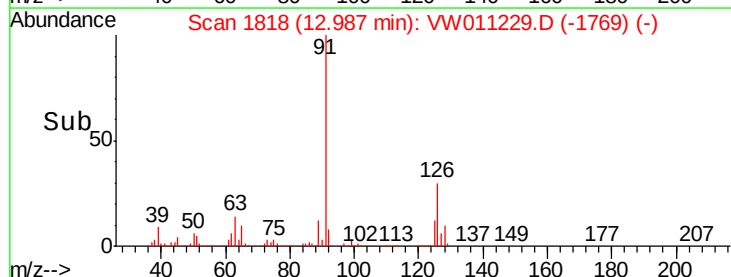
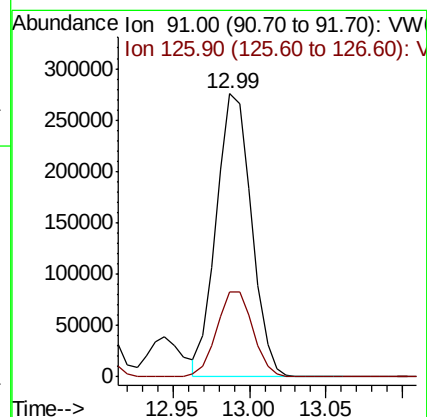
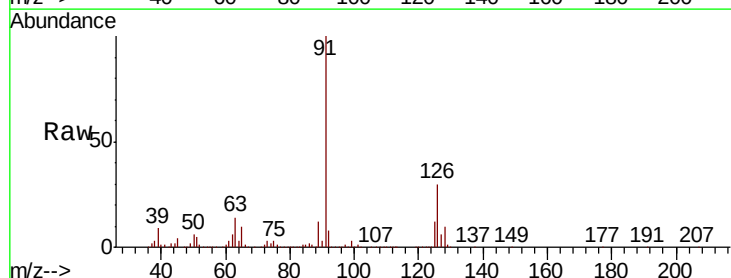
Acq: 11 Jul 2019 15:29

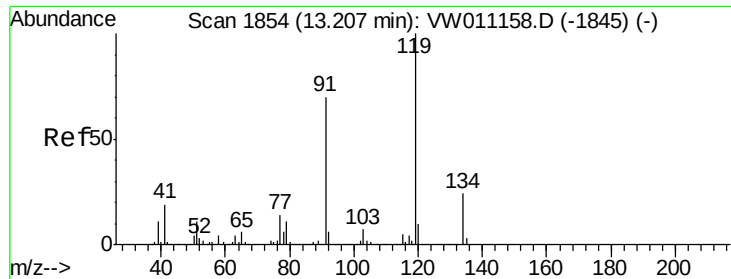
Tgt Ion: 91 Resp: 439716

Ion Ratio Lower Upper

91 100

126 31.2 15.7 47.1

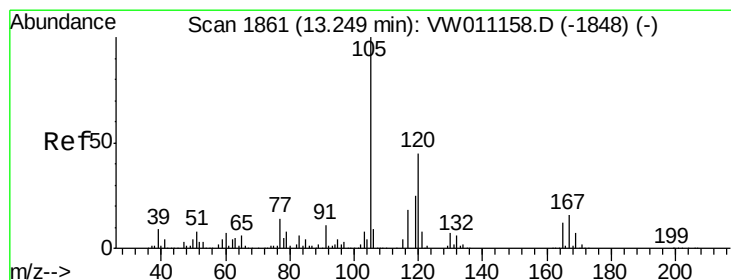
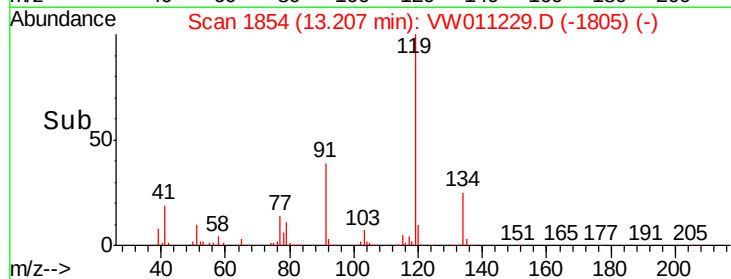
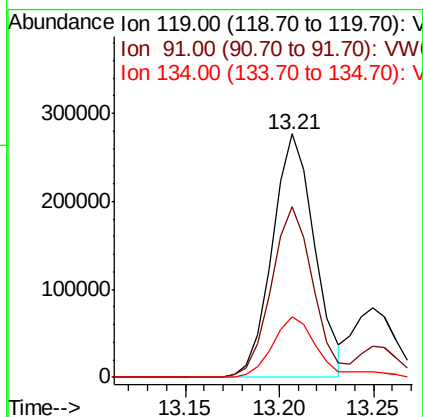
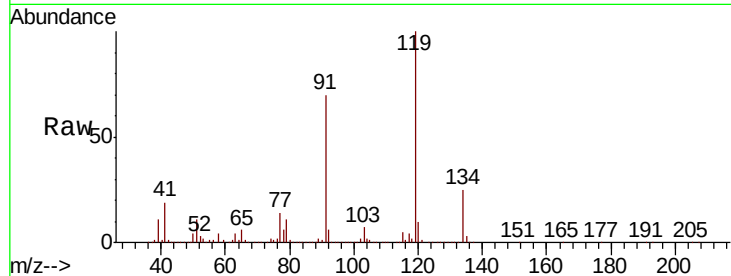




#83
 tert-Butylbenzene
 Concen: 56.532 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

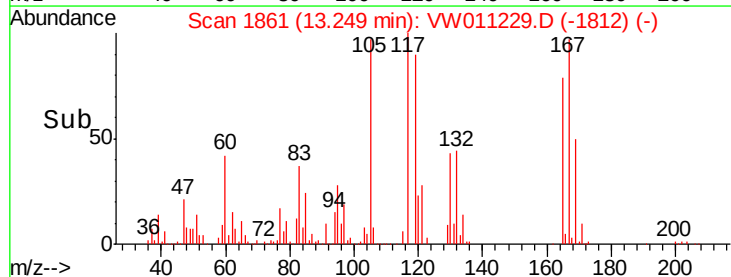
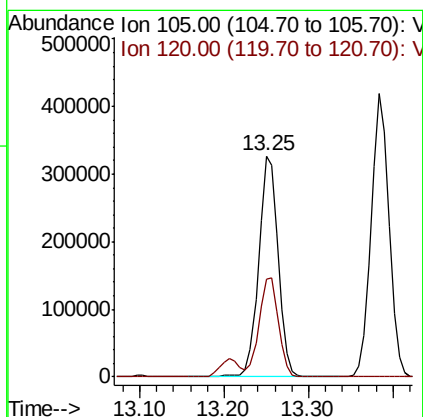
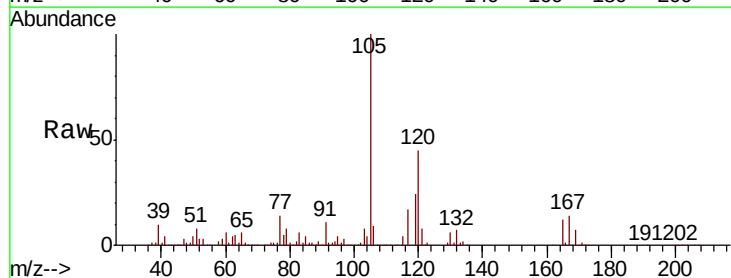
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

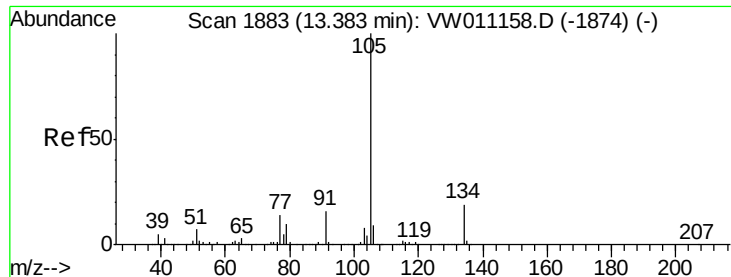
Tot Ion:119 Resp: 430316
 Ion Ratio Lower Upper
 119 100
 91 69.9 35.4 106.3
 134 24.9 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 56.193 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion:105 Resp: 514993
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.3 66.9

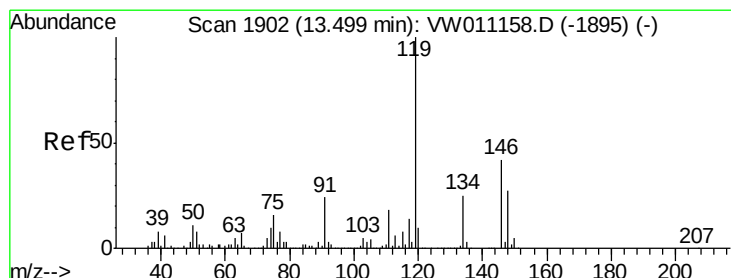
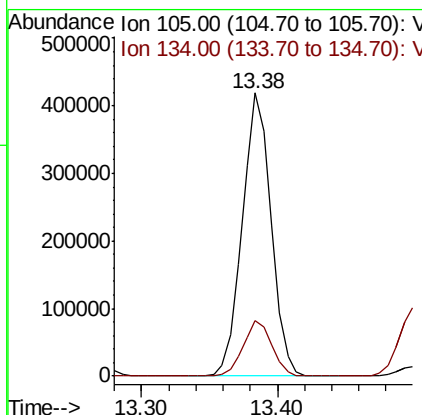
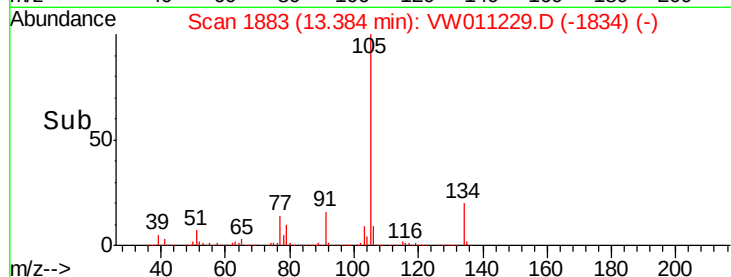
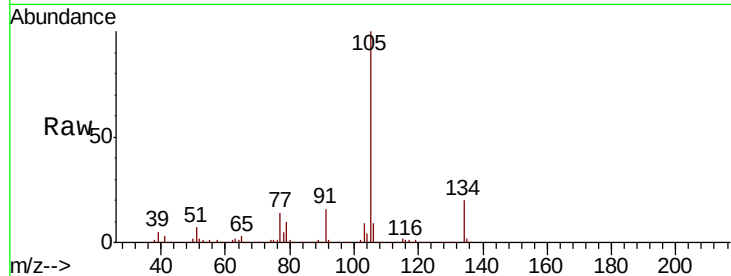




#85
 sec-Butylbenzene
 Concen: 56.390 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

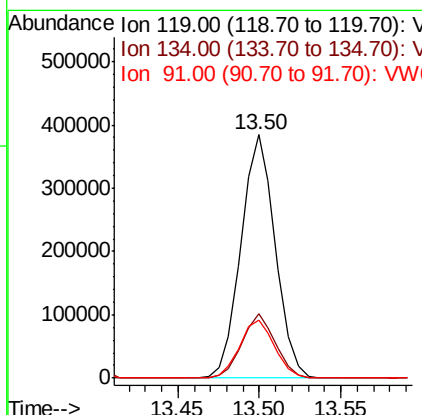
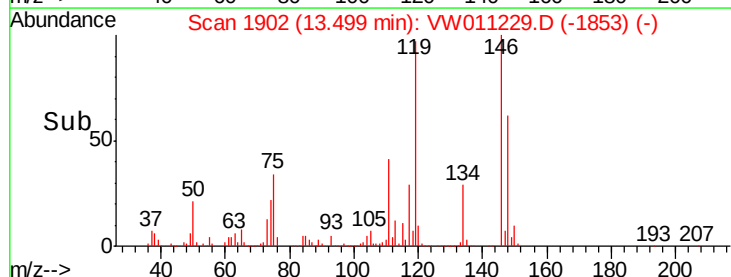
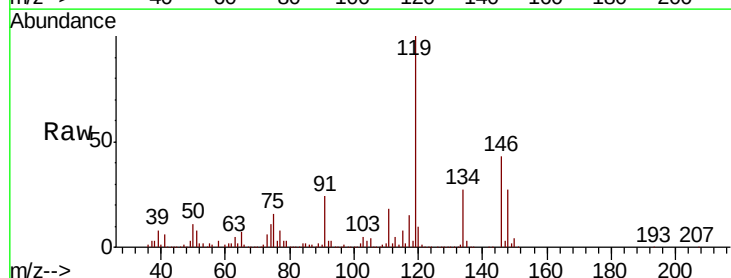
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

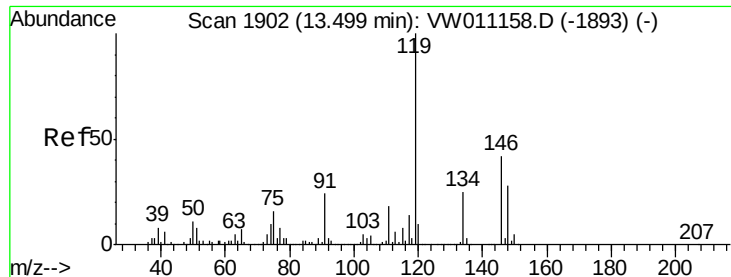
Tot Ion:105 Resp: 619369
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 56.948 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion:119 Resp: 561018
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 24.3 12.3 36.8

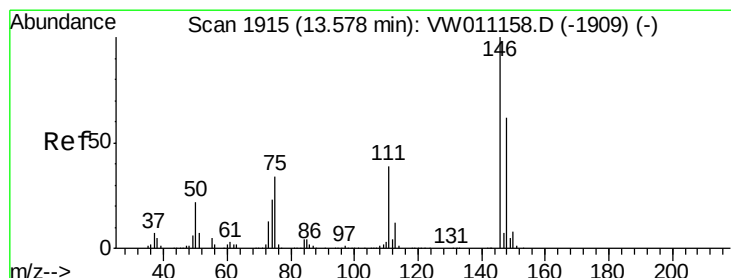
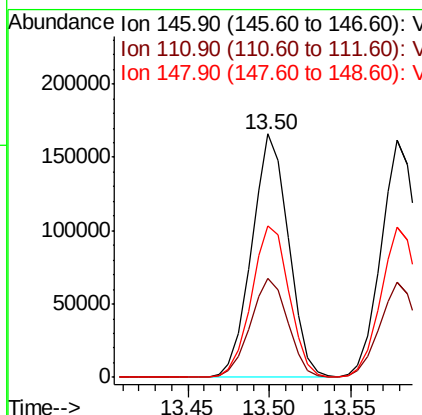
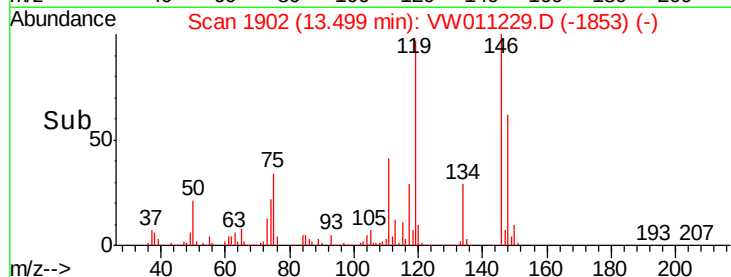
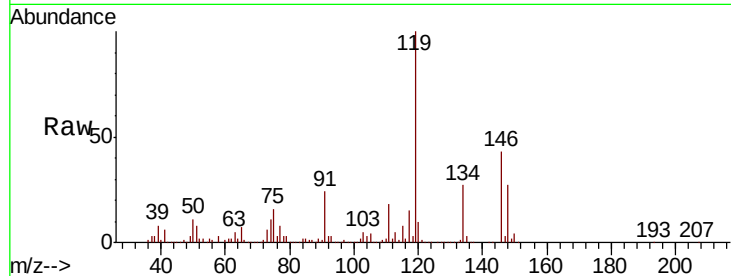




#87
 1,3-Dichlorobenzene
 Concen: 56.102 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

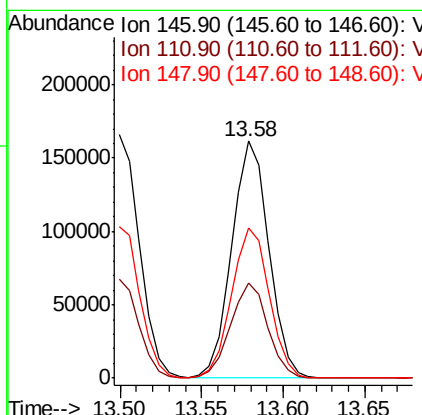
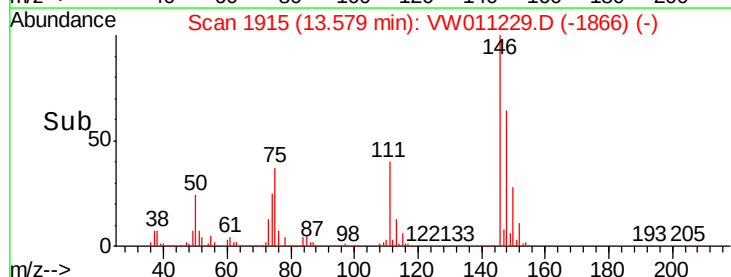
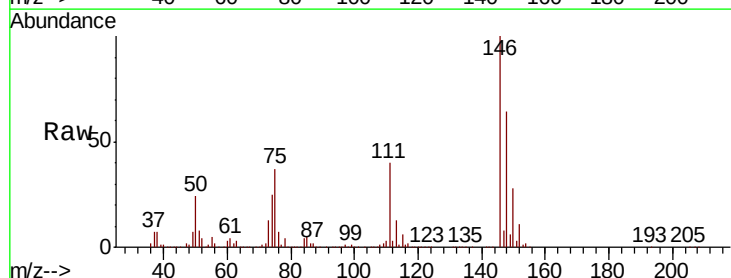
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

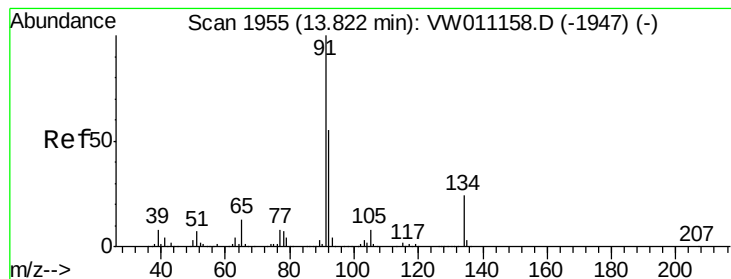
Tot Ion:146 Resp: 260247
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.1 63.1
 148 63.7 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 54.579 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion:146 Resp: 254949
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.9 59.7
 148 64.6 31.5 94.5





#89

n-Butylbenzene

Concen: 58.123 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011229.D

Acq: 11 Jul 2019 15:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

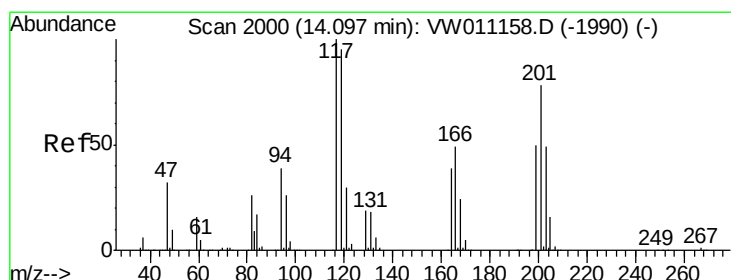
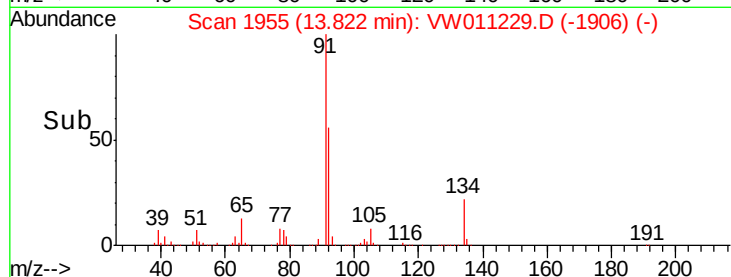
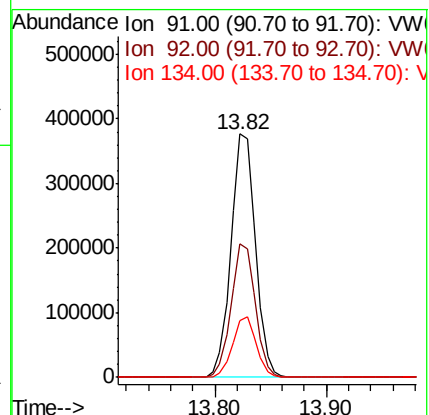
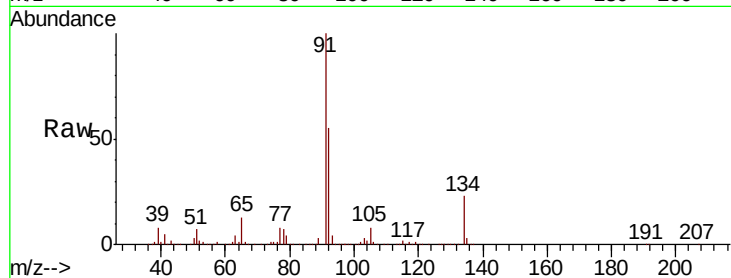
Tot Ion: 91 Resp: 571210

Ion Ratio Lower Upper

91 100

92 54.4 26.9 80.7

134 24.1 12.2 36.4



#90

Hexachloroethane

Concen: 54.374 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011229.D

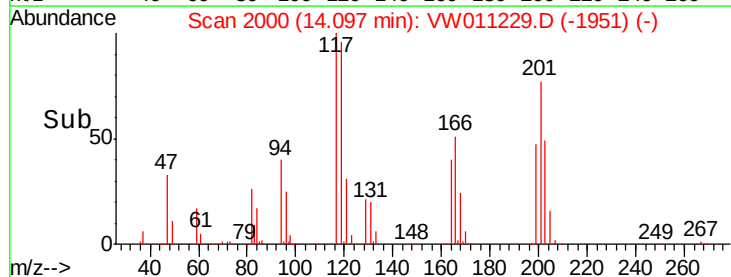
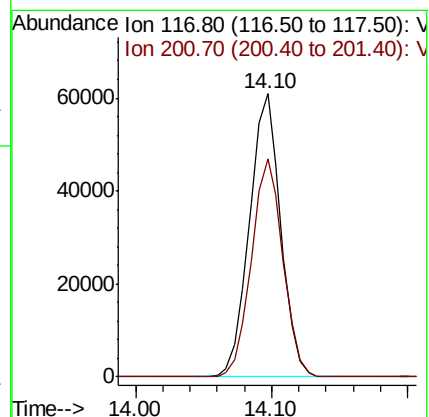
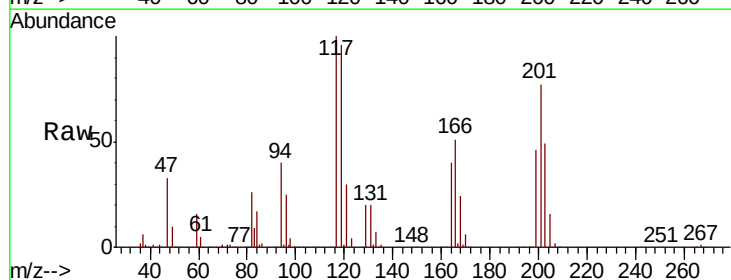
Acq: 11 Jul 2019 15:29

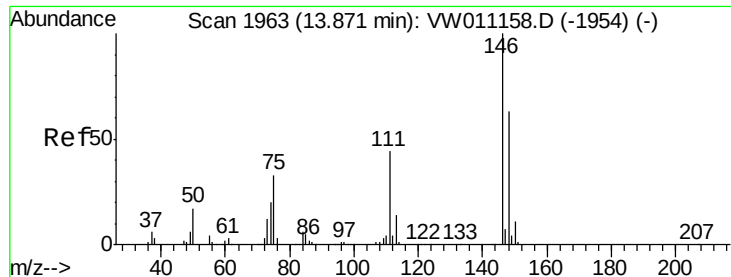
Tgt Ion: 117 Resp: 97884

Ion Ratio Lower Upper

117 100

201 77.6 38.3 114.8

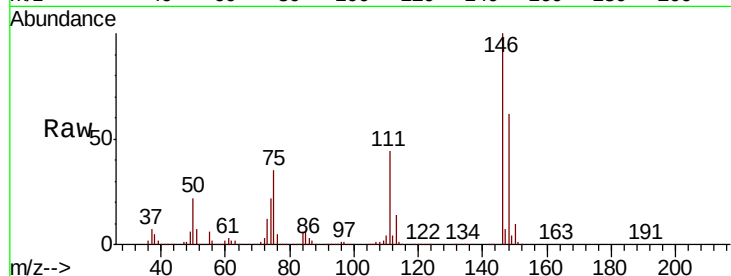




#91
 1,2-Dichlorobenzene
 Concen: 54.579 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	64.2	31.9	95.5

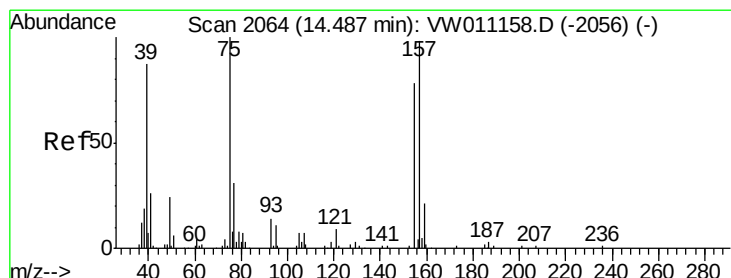
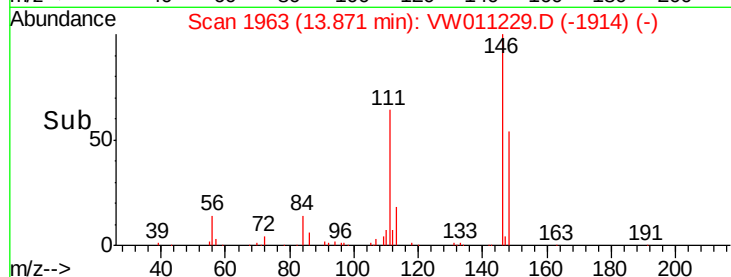
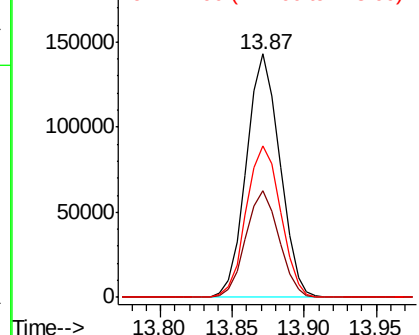


Abundance

Ion 145.90 (145.60 to 146.60): V

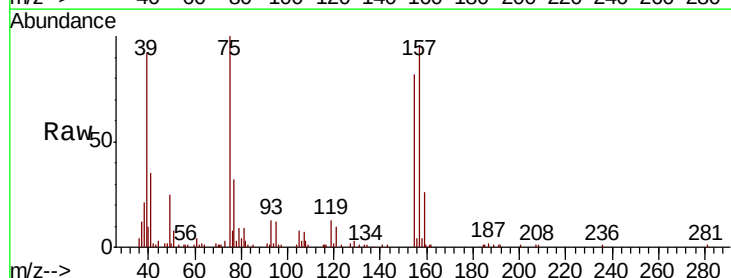
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.627 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	37.1	111.3
157	95.1	48.5	145.6

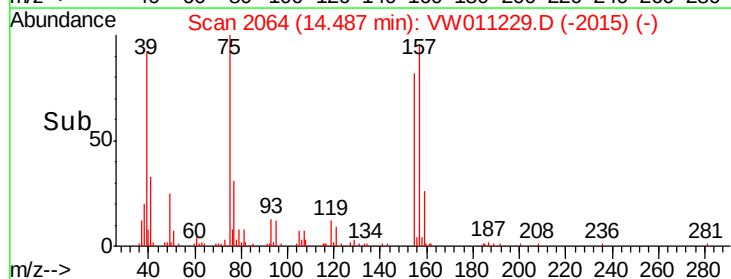
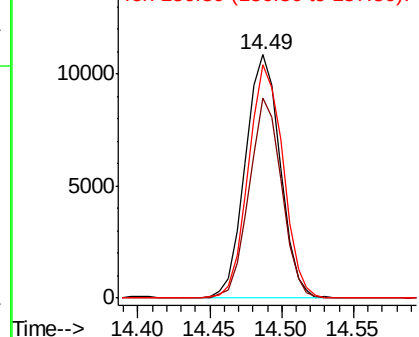


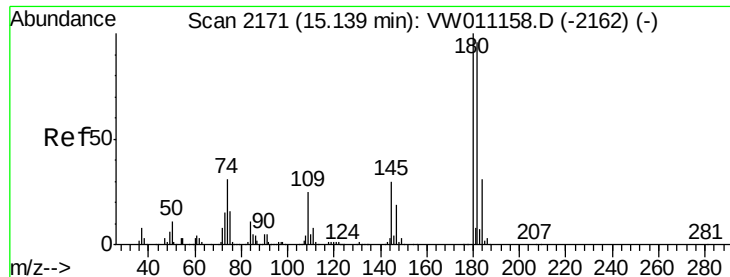
Abundance

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

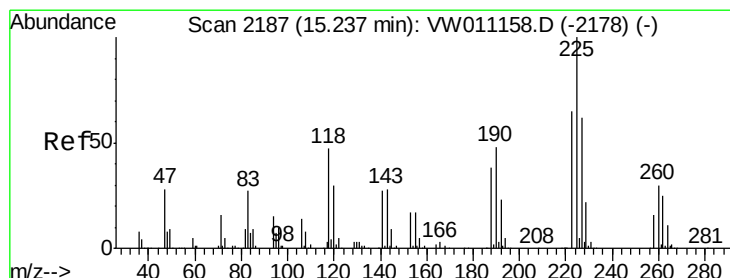
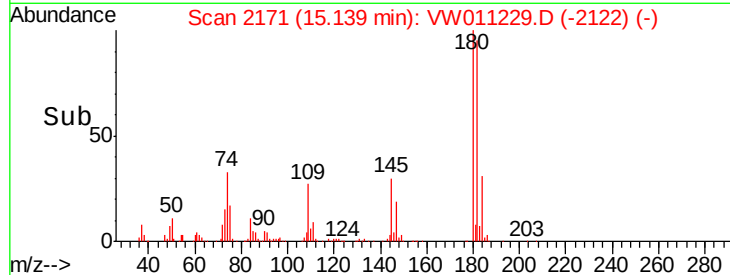
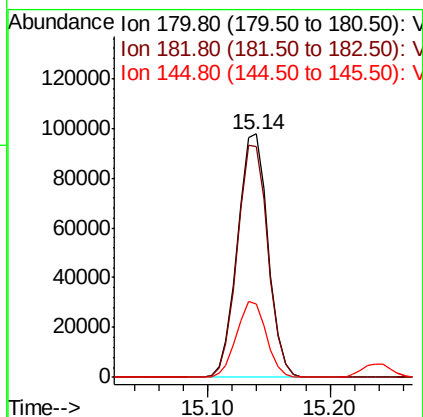
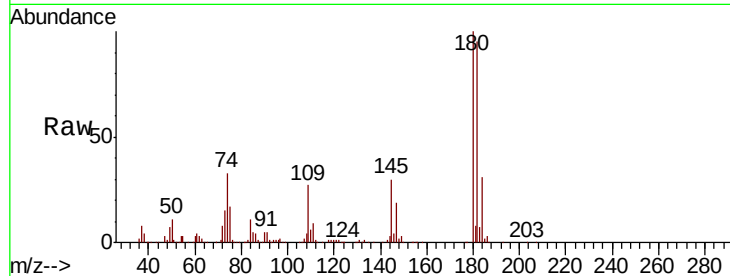




#93
 1,2,4-Trichlorobenzene
 Concen: 58.148 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

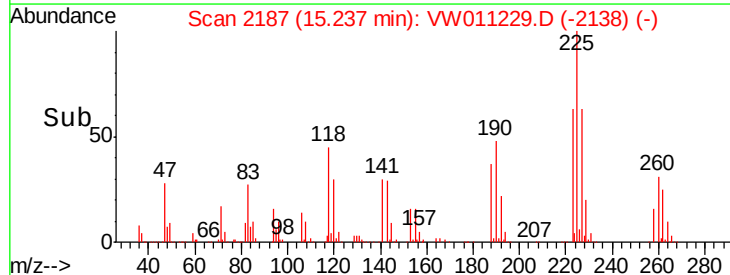
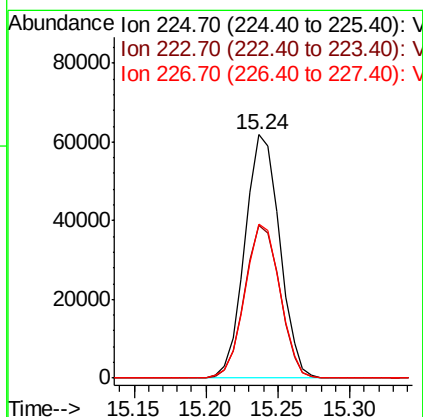
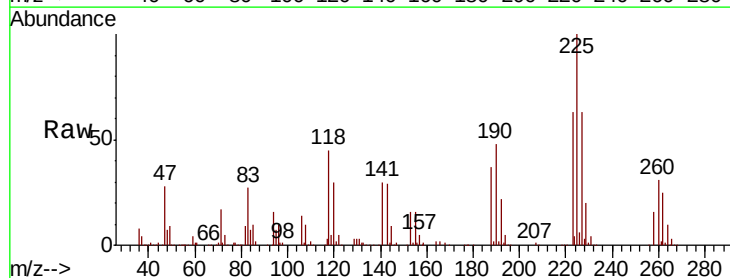
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

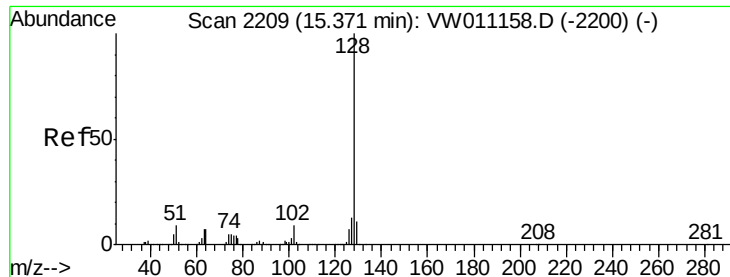
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.3	144.9
145	30.5	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 58.170 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011229.D
 Acq: 11 Jul 2019 15:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.6	95.0
227	63.6	32.0	96.0

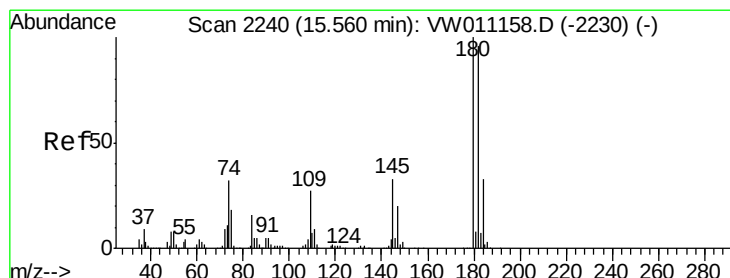
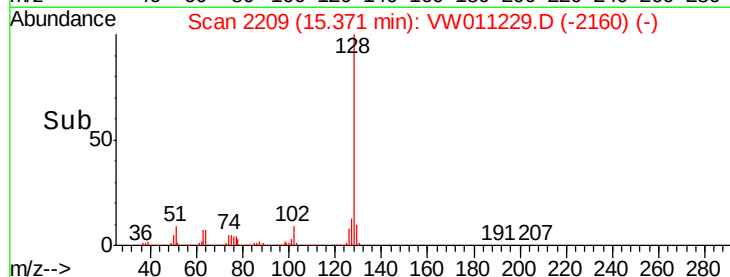
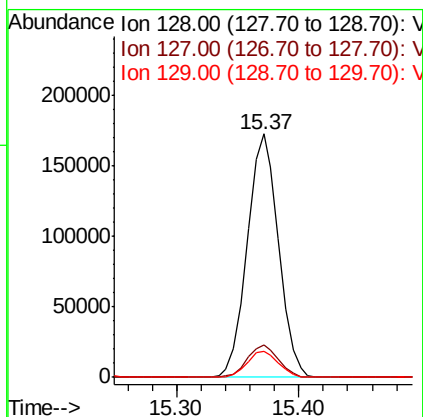
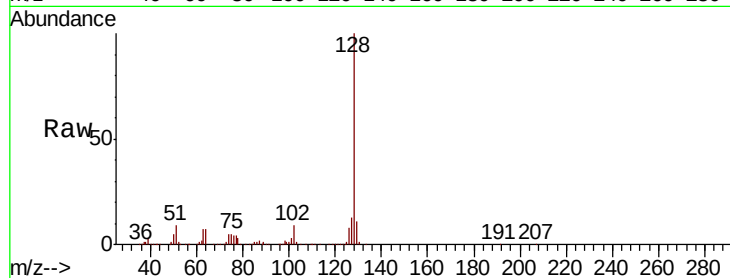




#95
Naphthalene
Concen: 55.090 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 306000
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 56.992 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011229.D
Acq: 11 Jul 2019 15:29

Tgt Ion:180 Resp: 145796
Ion Ratio Lower Upper
180 100
182 95.3 47.6 142.8
145 32.4 16.5 49.5

