

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011529.D
 Acq On : 26 Jul 2019 20:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 27 05:33:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158692	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	131561	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
35) Dibromofluoromethane	7.88	113	106127	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	10.32	98	430361	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.62	95	154154	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52908	43.153	ug/l	99
3) Chloromethane	2.21	50	92477	43.498	ug/l	99
4) Vinyl Chloride	2.36	62	114033	44.552	ug/l	99
5) Bromomethane	2.76	94	55891	39.450	ug/l	99
6) Chloroethane	2.91	64	62822	42.968	ug/l	97
7) Trichlorofluoromethane	3.24	101	50594	44.230	ug/l	96
8) Diethyl Ether	3.68	74	61881	47.712	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	97167	44.779	ug/l	98
10) Methyl Iodide	4.27	142	144867	47.242	ug/l	100
11) Tert butyl alcohol	5.18	59	46222	247.777	ug/l	98
12) 1,1-Dichloroethene	4.04	96	104216	45.487	ug/l	97
13) Acrolein	3.89	56	39796	219.556	ug/l	99
14) Allyl chloride	4.67	41	224984	46.170	ug/l	100
15) Acrylonitrile	5.36	53	161933	250.117	ug/l	98
16) Acetone	4.12	43	152274	189.501	ug/l	99
17) Carbon Disulfide	4.38	76	315849	44.046	ug/l	100
18) Methyl Acetate	4.67	43	90718	50.254	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	177545	48.833	ug/l	98
20) Methylene Chloride	4.92	84	121995	44.021	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	116422	47.133	ug/l	99
22) Diisopropyl ether	6.31	45	448290	48.794	ug/l	97
23) Vinyl Acetate	6.25	43	1415545	245.203	ug/l	100
24) 1,1-Dichloroethane	6.21	63	233484	47.452	ug/l	100
25) 2-Butanone	7.17	43	244635	232.659	ug/l	98
26) 2,2-Dichloropropane	7.16	77	126116	41.677	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	129009	47.455	ug/l	99
28) Bromochloromethane	7.51	49	119598	54.761	ug/l	99
29) Tetrahydrofuran	7.52	42	151946	252.809	ug/l	100
30) Chloroform	7.68	83	214216	47.190	ug/l	99
31) Cyclohexane	7.95	56	205032	43.409	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	160720	46.490	ug/l	100
36) 1,1-Dichloropropene	8.08	75	173745	45.574	ug/l	100
37) Ethyl Acetate	7.25	43	105288	48.003	ug/l	99
38) Carbon Tetrachloride	8.07	117	146124	44.773	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011529.D
 Acq On : 26 Jul 2019 20:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Jul 27 05:33:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	191142	45.533	ug/l	100
40) Benzene	8.32	78	495781	46.427	ug/l	98
41) Methacrylonitrile	7.48	41	63842	48.692	ug/l	96
42) 1,2-Dichloroethane	8.40	62	157567	47.128	ug/l	100
43) Isopropyl Acetate	8.42	43	198163	49.126	ug/l	99
44) Trichloroethene	9.09	130	118610	46.213	ug/l	100
45) 1,2-Dichloropropane	9.37	63	135263	47.340	ug/l	97
46) Dibromomethane	9.46	93	61795	47.385	ug/l	99
47) Bromodichloromethane	9.65	83	159584	46.650	ug/l	99
48) Methyl methacrylate	9.43	41	96184	49.639	ug/l	100
49) 1,4-Dioxane	9.45	88	18383	973.535	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	523264	249.391	ug/l	100
52) Toluene	10.39	92	302329	46.881	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	168228	47.077	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	202714	47.710	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	87438	47.255	ug/l	99
56) Ethyl methacrylate	10.65	69	135220	49.940	ug/l	99
57) 1,3-Dichloropropane	10.93	76	169358	48.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	391262	318.260	ug/l	100
59) 2-Hexanone	10.97	43	356060	240.347	ug/l	99
60) Dibromochloromethane	11.13	129	98016	47.722	ug/l	100
61) 1,2-Dibromoethane	11.23	107	84114	48.036	ug/l	99
64) Tetrachloroethene	10.86	164	97266	45.546	ug/l	98
65) Chlorobenzene	11.66	112	303259	45.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	107111	46.633	ug/l	99
67) Ethyl Benzene	11.73	91	580852	46.251	ug/l	100
68) m/p-Xylenes	11.84	106	425097	93.075	ug/l	99
69) o-Xylene	12.16	106	200035	47.132	ug/l	99
70) Styrene	12.18	104	349099	47.573	ug/l	100
71) Bromoform	12.35	173	55486	47.380	ug/l #	98
73) Isopropylbenzene	12.46	105	545485	46.076	ug/l	100
74) N-amyl acetate	12.27	43	183427	49.489	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	106733	47.930	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	140900	83.912	ug/l #	100
77) Bromobenzene	12.74	156	122872	46.956	ug/l	99
78) n-propylbenzene	12.80	91	667040	46.297	ug/l	100
79) 2-Chlorotoluene	12.89	91	386661	46.583	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	465170	46.874	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34740	47.681	ug/l	98
82) 4-Chlorotoluene	12.99	91	397241	45.614	ug/l	99
83) tert-Butylbenzene	13.21	119	382830	46.131	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	467579	46.772	ug/l	99
85) sec-Butylbenzene	13.38	105	550061	46.453	ug/l	100
86) p-Isopropyltoluene	13.50	119	493536	45.937	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	238351	46.454	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	236527	46.342	ug/l	99
89) n-Butylbenzene	13.82	91	488630	45.574	ug/l	100
90) Hexachloroethane	14.09	117	87606	46.113	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	211347	46.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18552	48.855	ug/l	96

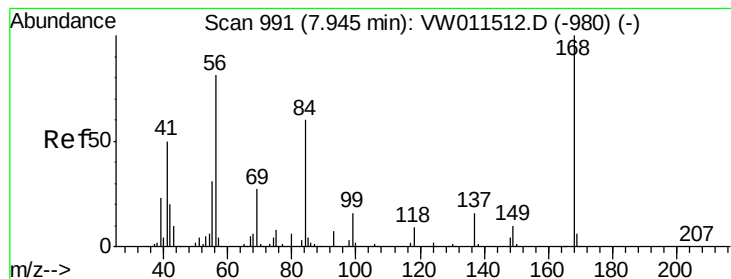
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
Data File : VW011529.D
Acq On : 26 Jul 2019 20:58
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5.0ML/MSVOA W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Jul 27 05:33:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	150512	47.061	ug/l	100
94) Hexachlorobutadiene	15.24	225	89566	44.907	ug/l	99
95) Naphthalene	15.37	128	282215	45.252	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	131492	46.904	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

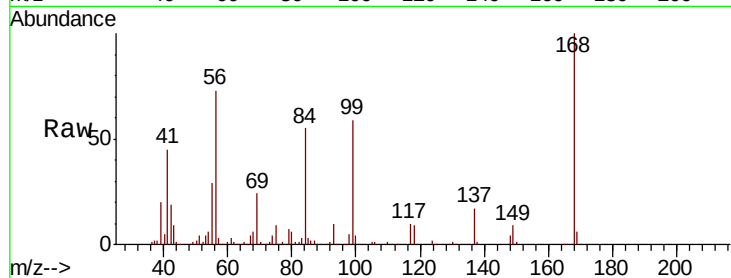
VSTDCCC050EC

Tot Ion:168 Resp: 219992

Ion Ratio Lower Upper

168 100

99 59.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

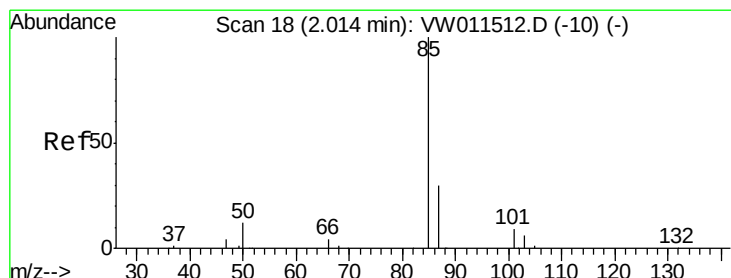
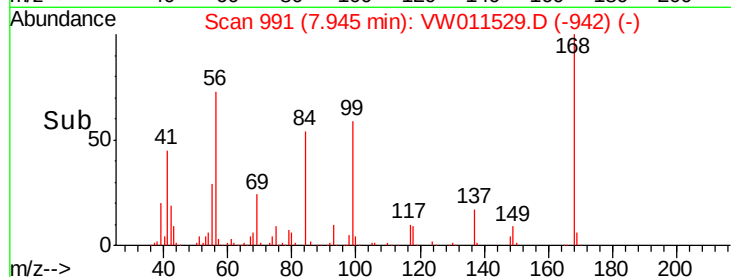
40000

20000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 43.153 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011529.D

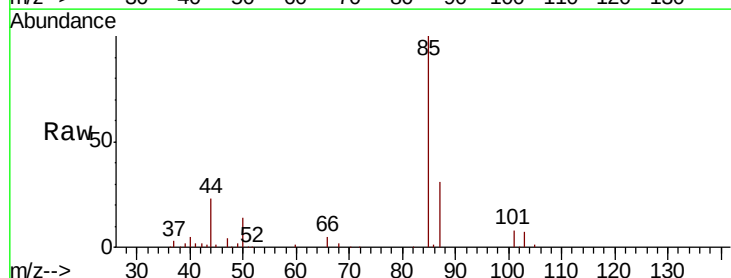
Acq: 26 Jul 2019 20:58

Tgt Ion: 85 Resp: 52908

Ion Ratio Lower Upper

85 100

87 30.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

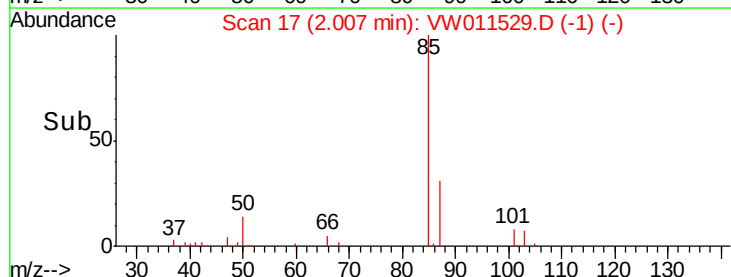
10000

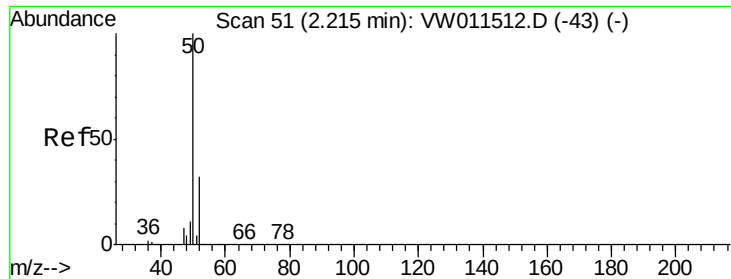
5000

0

Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 43.498 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

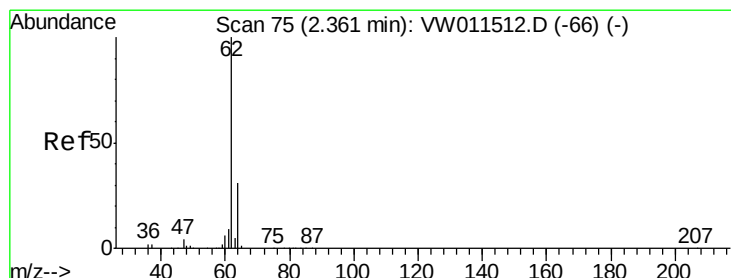
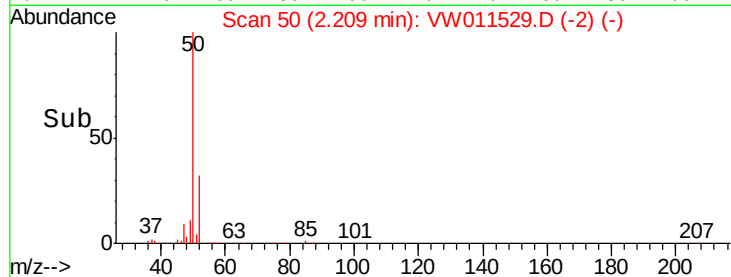
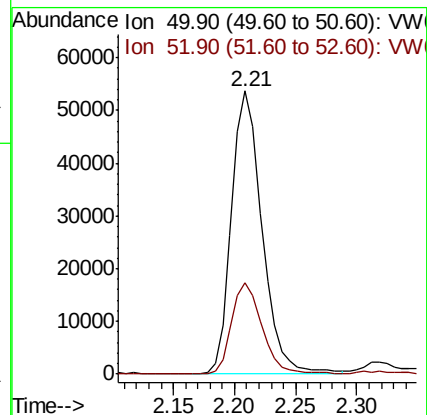
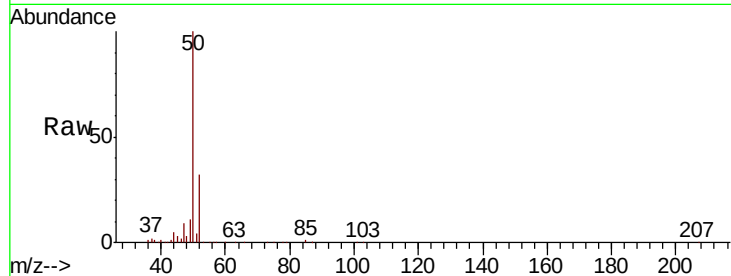
VSTDCCC050EC

Tot Ion: 50 Resp: 92477

Ion Ratio Lower Upper

50 100

52 32.4 25.4 38.2



#4

Vinyl Chloride

Concen: 44.552 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011529.D

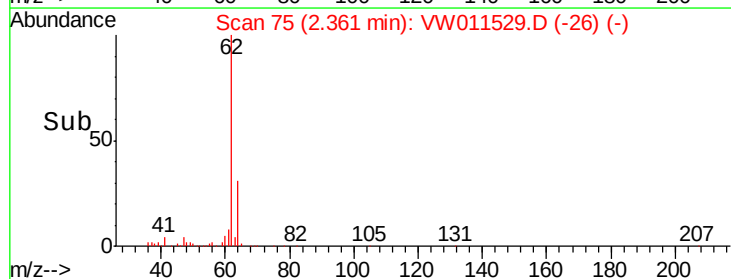
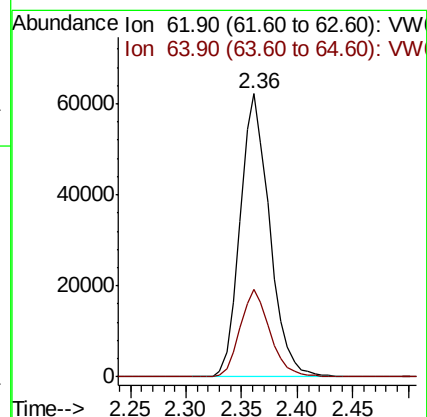
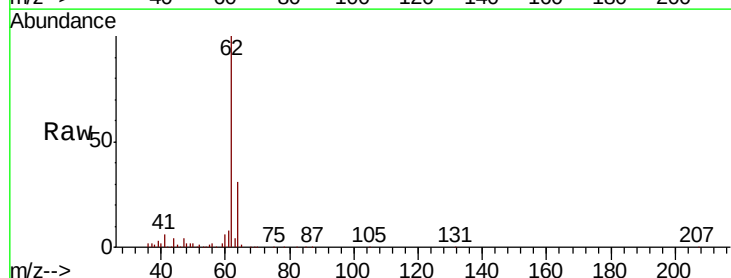
Acq: 26 Jul 2019 20:58

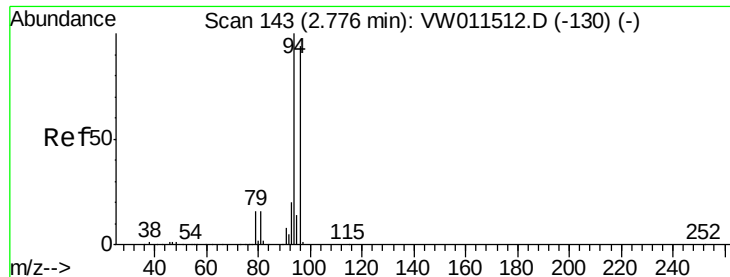
Tgt Ion: 62 Resp: 114033

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.4





#5

Bromomethane

Concen: 39.450 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

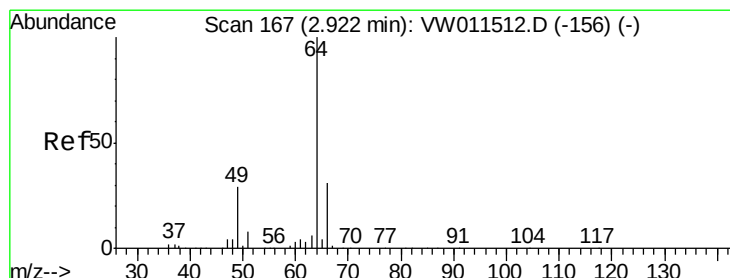
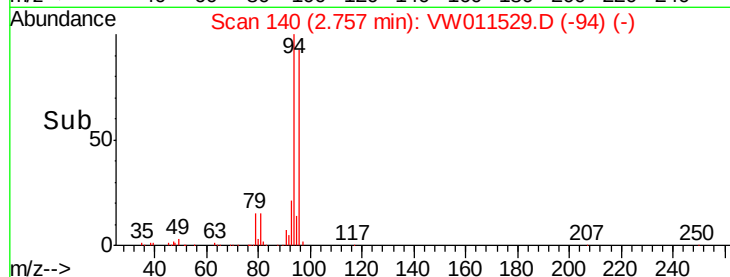
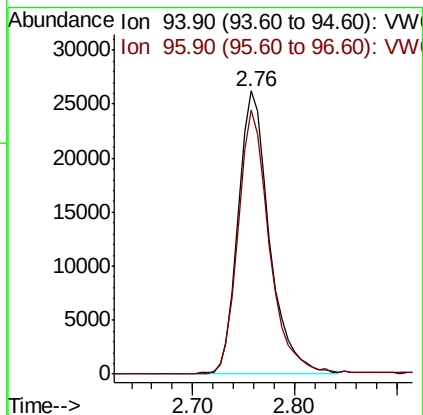
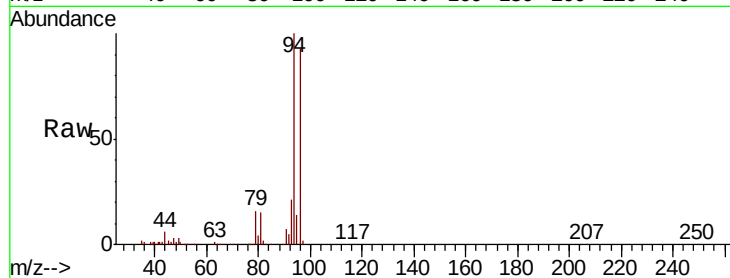
VSTDCCC050EC

Tot Ion: 94 Resp: 55891

Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.6



#6

Chloroethane

Concen: 42.968 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011529.D

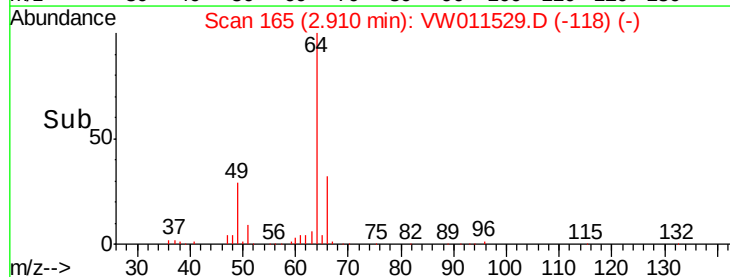
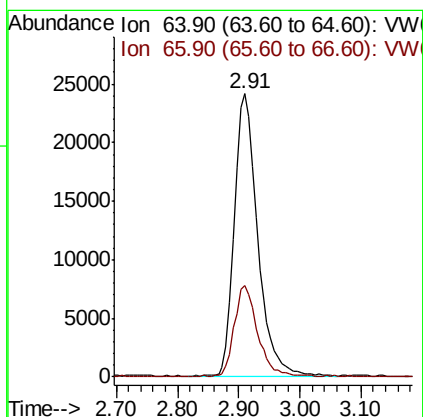
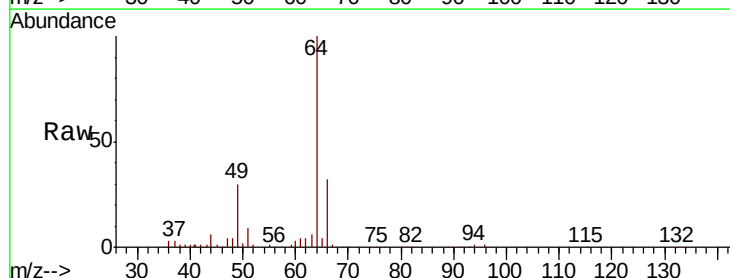
Acq: 26 Jul 2019 20:58

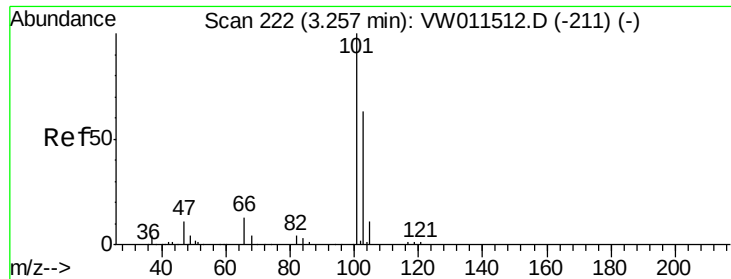
Tgt Ion: 64 Resp: 62822

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8



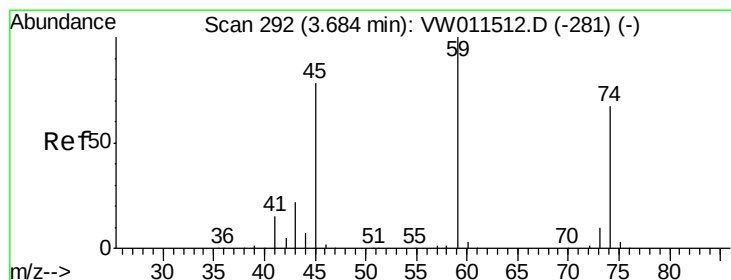
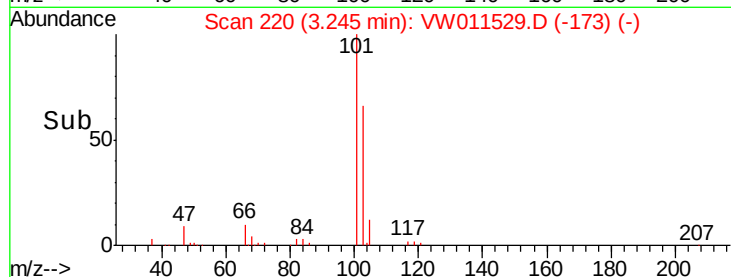
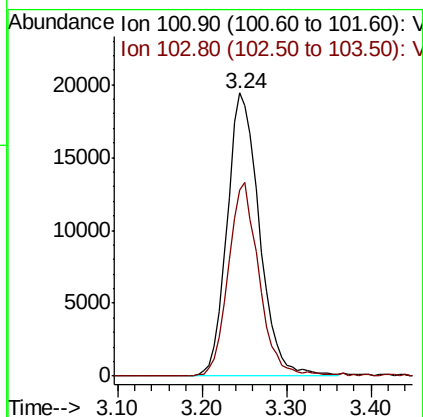
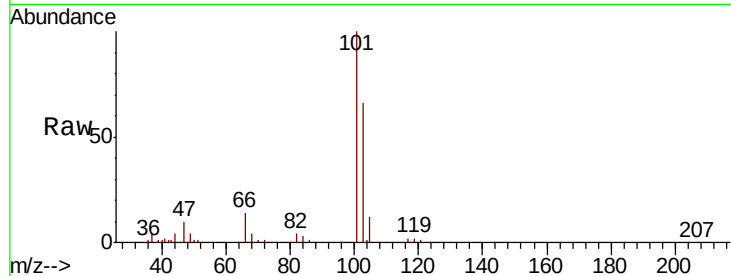


#7

Trichlorofluoromethane
 Concen: 44.230 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

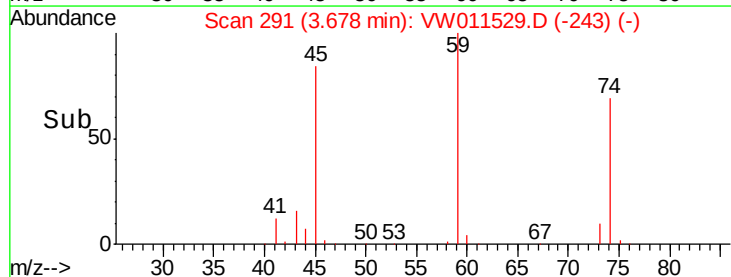
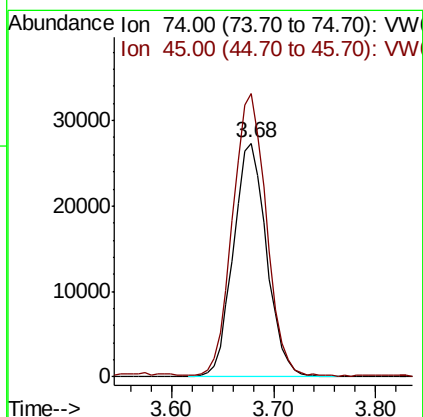
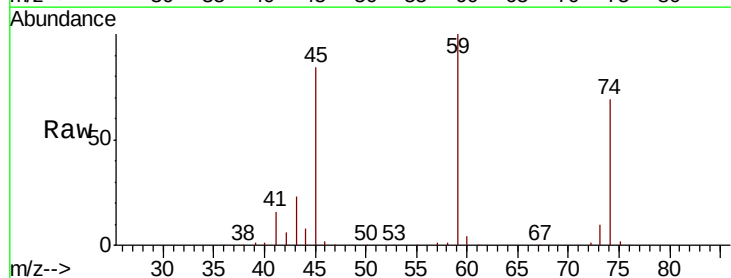
Tot Ion:101 Resp: 50594
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.2 75.4

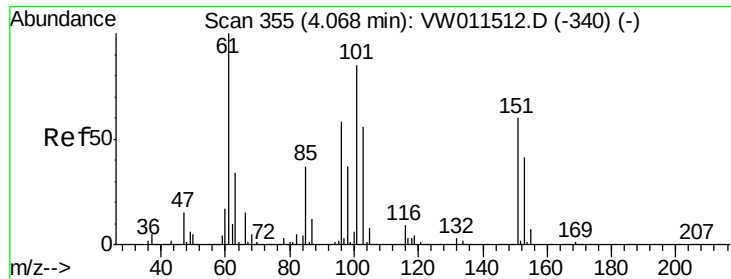


#8

Diethyl Ether
 Concen: 47.712 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion: 74 Resp: 61881
 Ion Ratio Lower Upper
 74 100
 45 122.3 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.779 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

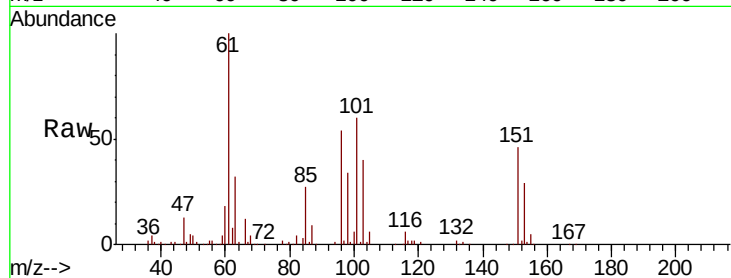
Tot Ion:101 Resp: 97167

Ion Ratio Lower Upper

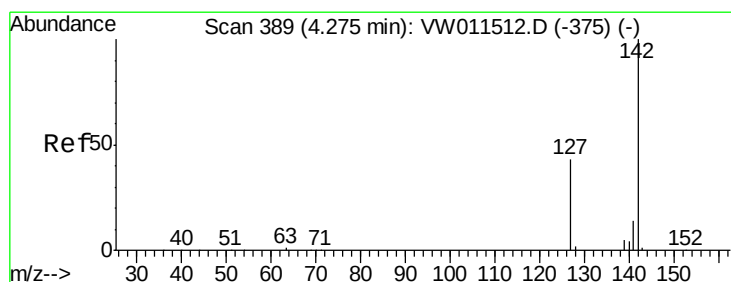
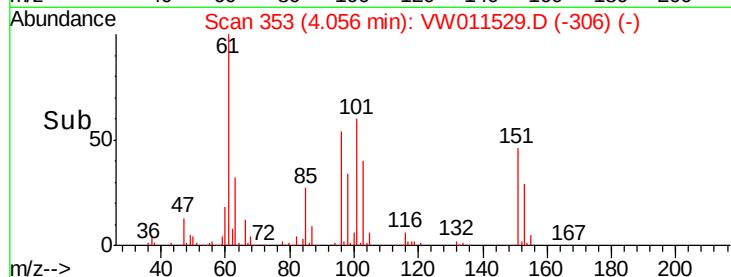
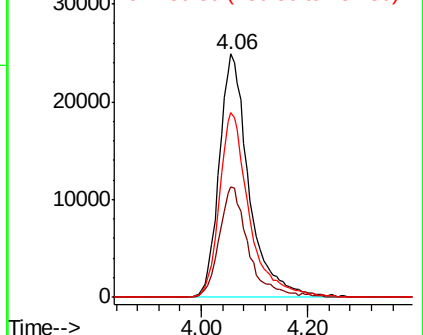
101 100

85 44.0 36.6 54.8

151 75.9 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.242 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

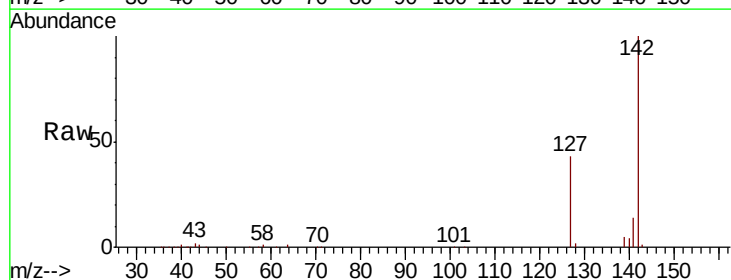
Tgt Ion:142 Resp: 144867

Ion Ratio Lower Upper

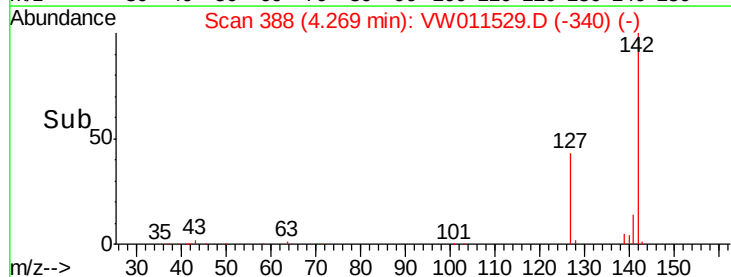
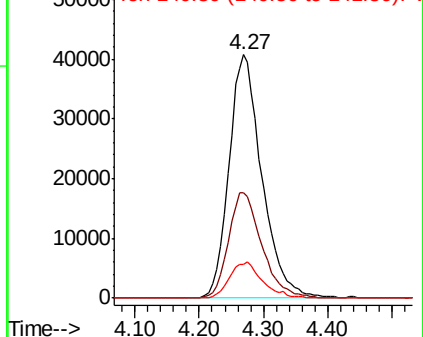
142 100

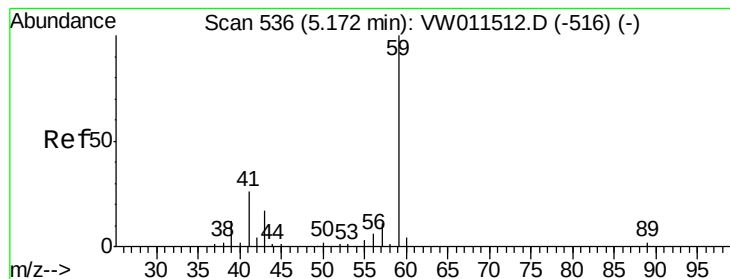
127 44.1 35.0 52.6

141 14.9 11.9 17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



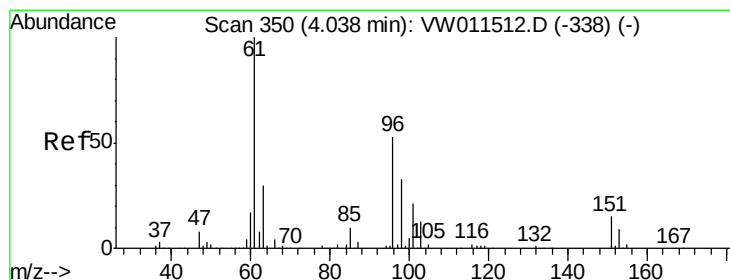
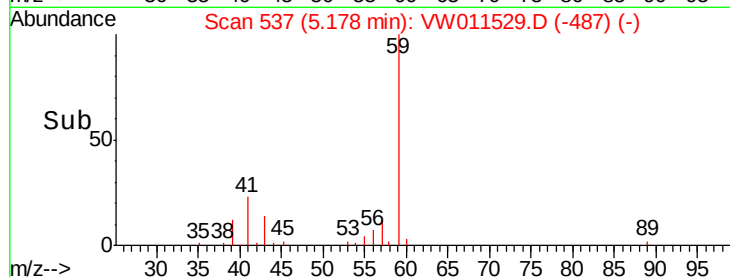
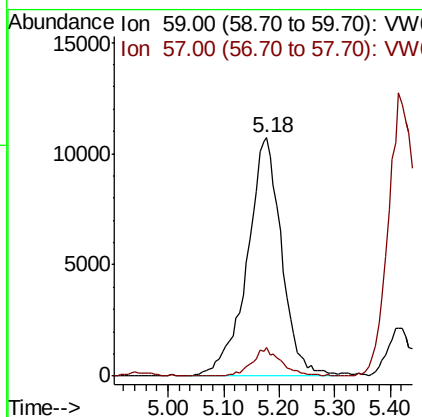
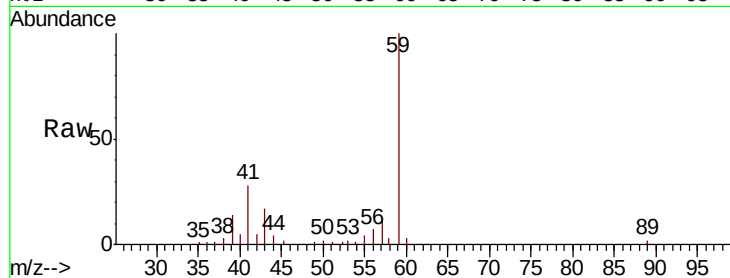


#11

Tert butyl alcohol
 Concen: 247.777 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

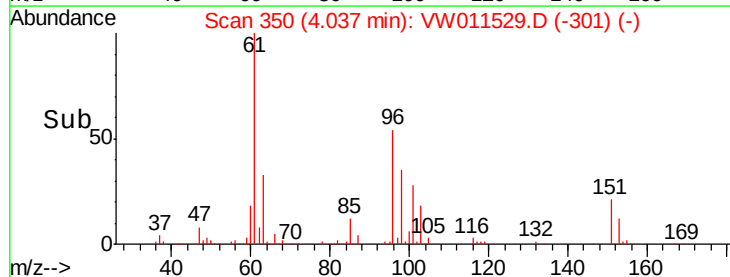
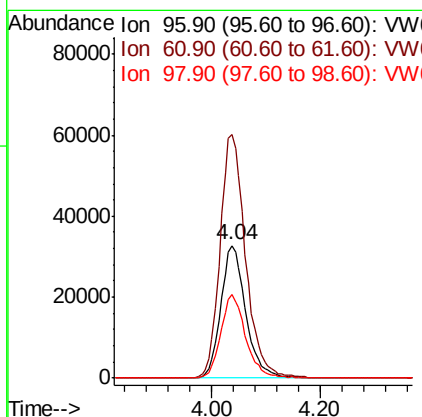
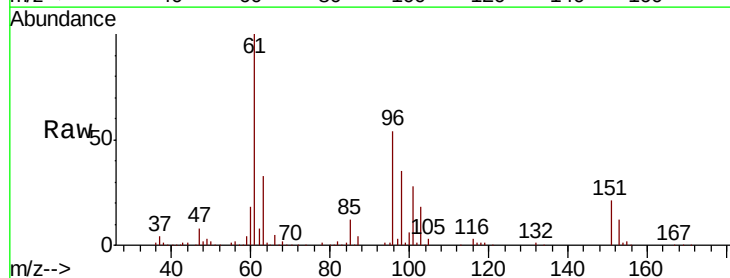
Tot Ion: 59 Resp: 46222
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.5 12.7

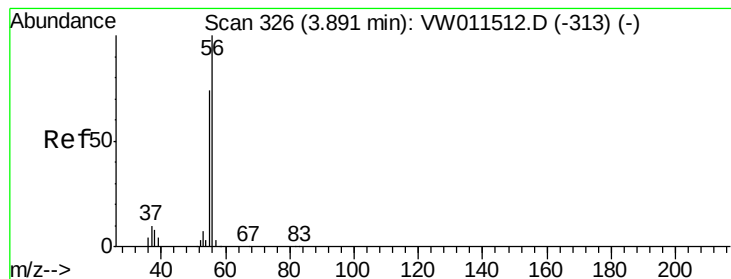


#12

1,1-Dichloroethene
 Concen: 45.487 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion: 96 Resp: 104216
 Ion Ratio Lower Upper
 96 100
 61 183.5 149.9 224.9
 98 63.5 49.1 73.7





#13

Acrolein

Concen: 219.556 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

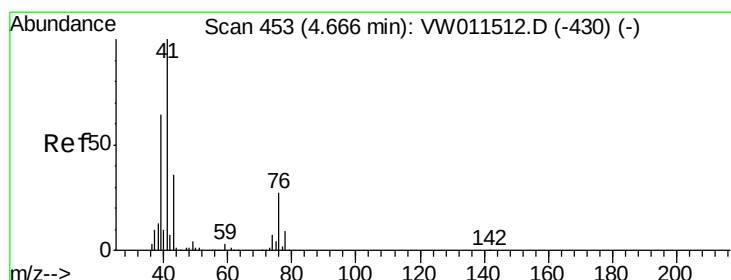
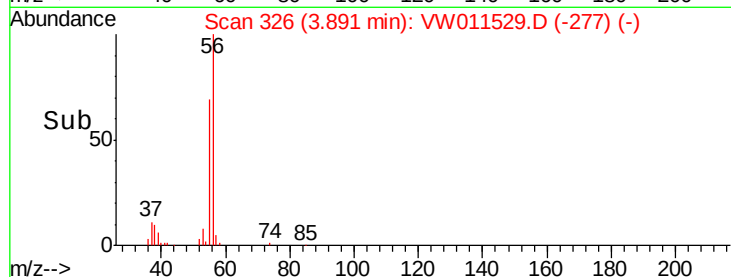
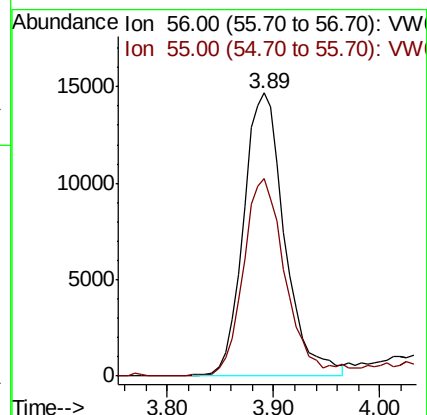
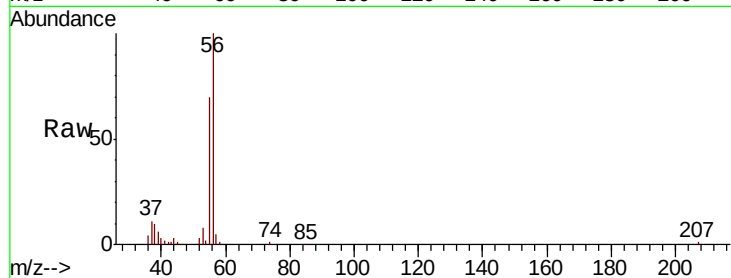
VSTDCCC050EC

Tot Ion: 56 Resp: 39796

Ion Ratio Lower Upper

56 100

55 71.2 56.0 84.0



#14

Allyl chloride

Concen: 46.170 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

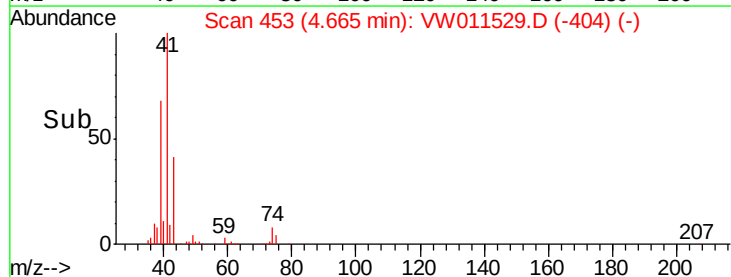
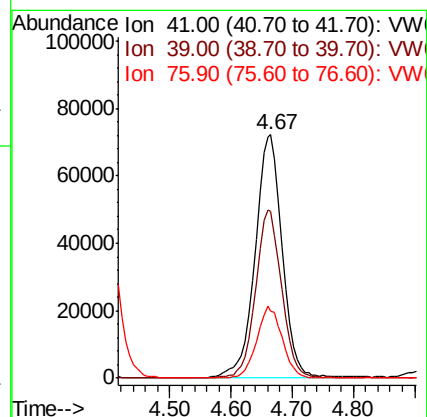
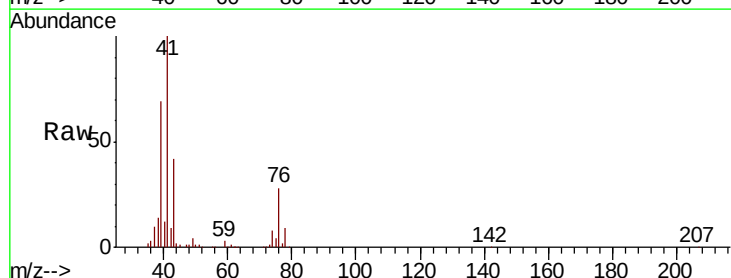
Tgt Ion: 41 Resp: 224984

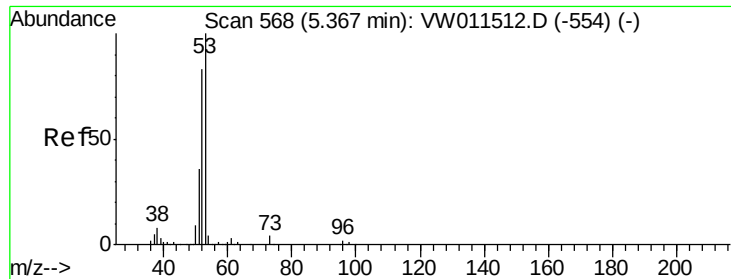
Ion Ratio Lower Upper

41 100

39 66.0 52.6 78.8

76 27.7 22.0 33.0





#15

Acrylonitrile

Concen: 250.117 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

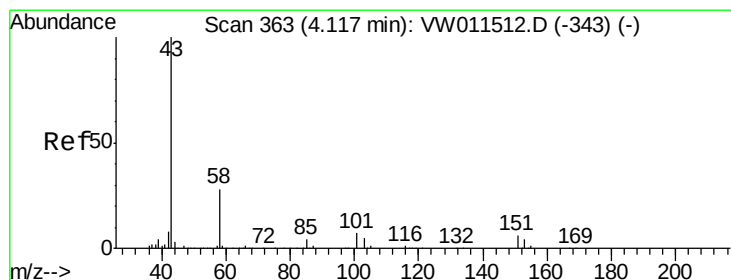
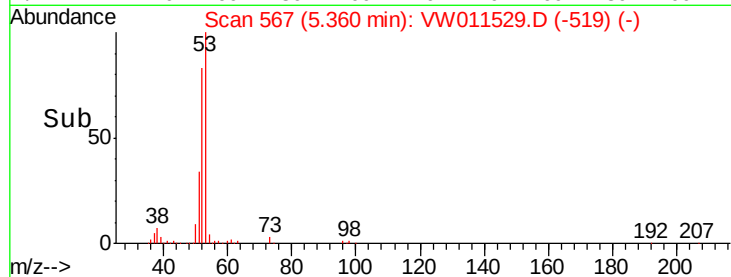
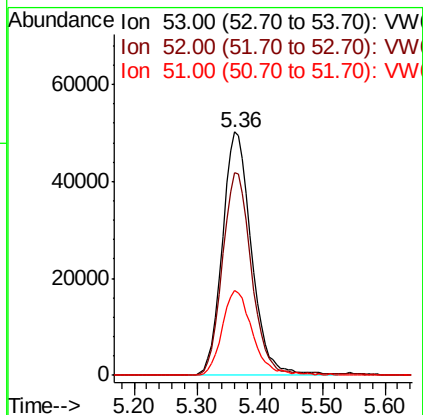
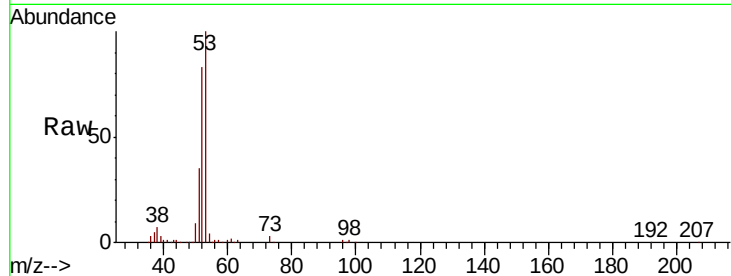
Tot Ion: 53 Resp: 161933

Ion Ratio Lower Upper

53 100

52 82.9 67.2 100.8

51 35.9 30.0 45.0



#16

Acetone

Concen: 189.501 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011529.D

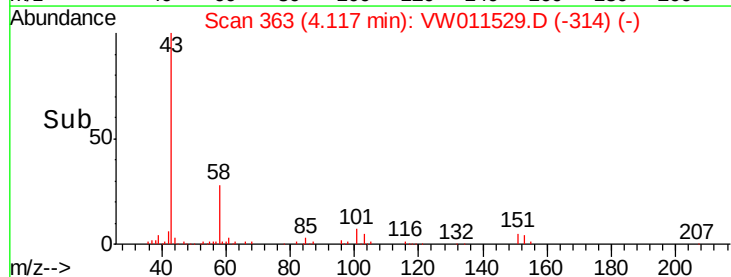
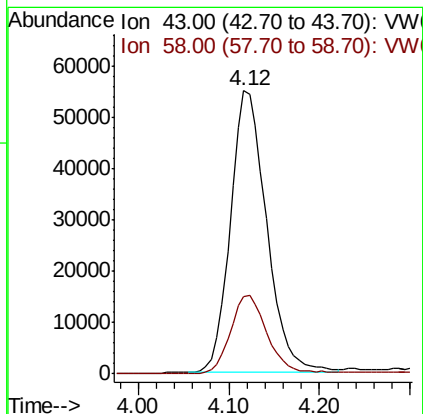
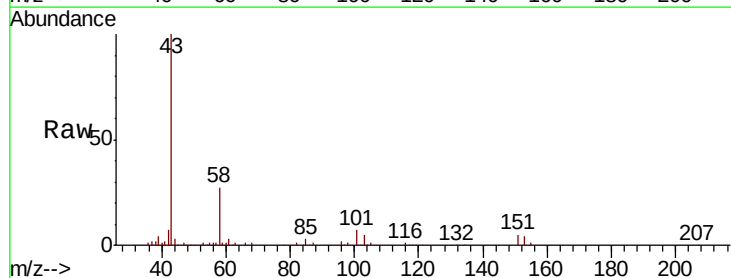
Acq: 26 Jul 2019 20:58

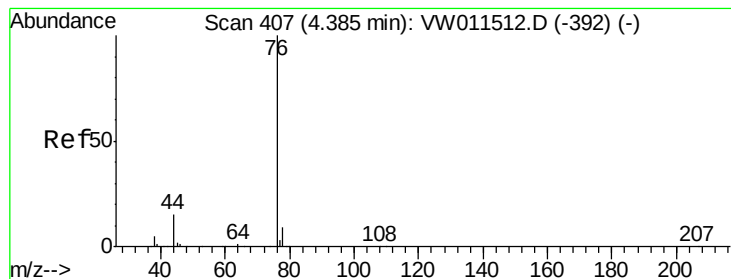
Tgt Ion: 43 Resp: 152274

Ion Ratio Lower Upper

43 100

58 27.4 22.3 33.5





#17

Carbon Disulfide

Concen: 44.046 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

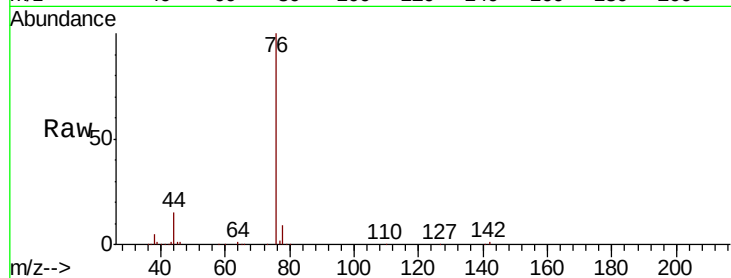
VSTDCCC050EC

Tot Ion: 76 Resp: 315849

Ion Ratio Lower Upper

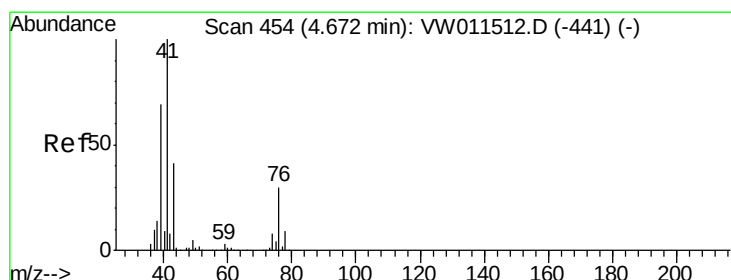
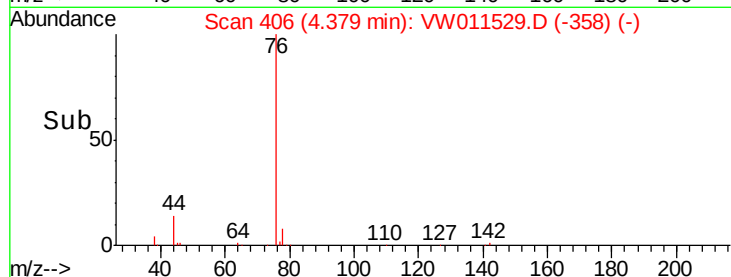
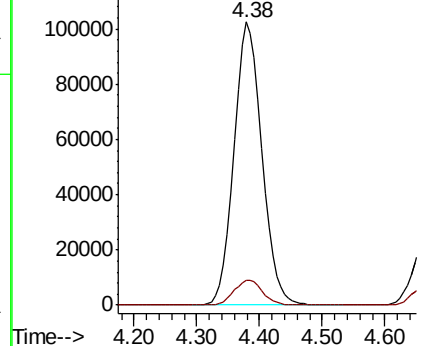
76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 50.254 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011529.D

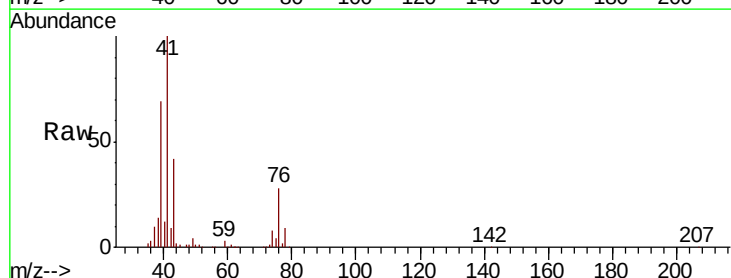
Acq: 26 Jul 2019 20:58

Tgt Ion: 43 Resp: 90718

Ion Ratio Lower Upper

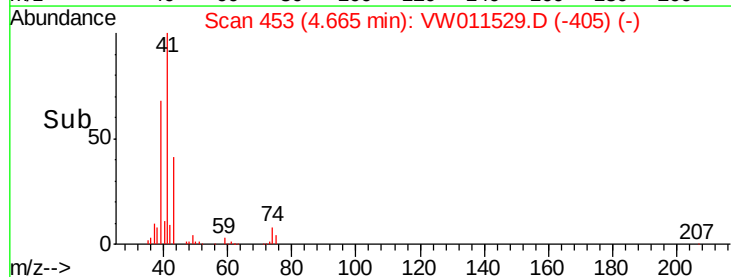
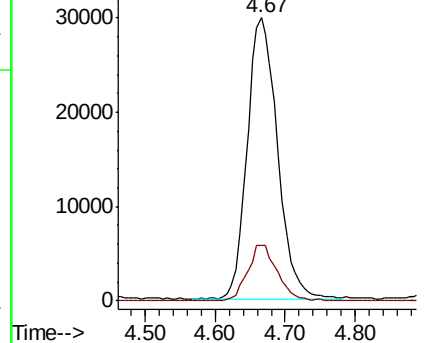
43 100

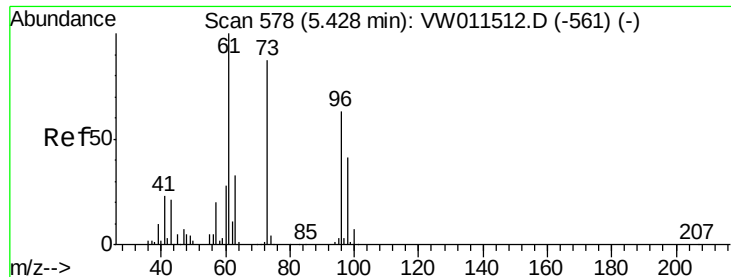
74 19.2 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

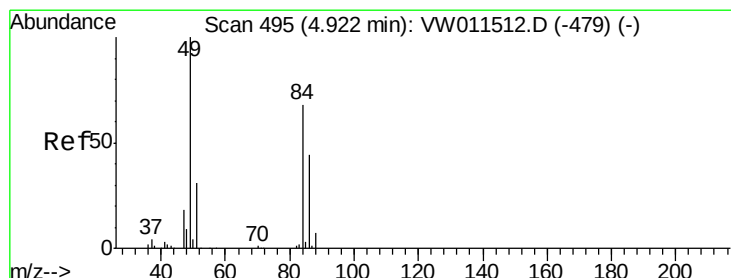
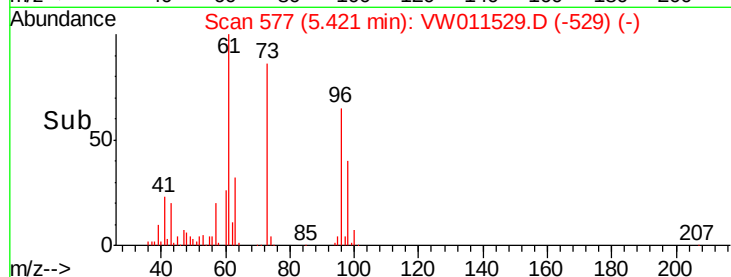
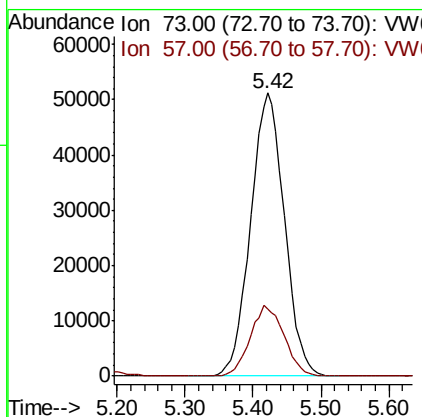
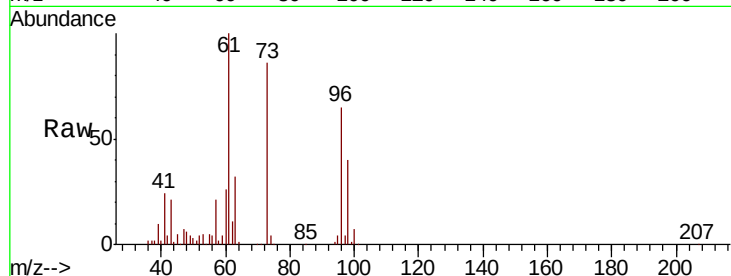




#19
Methyl tert-butyl Ether
Concen: 48.833 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

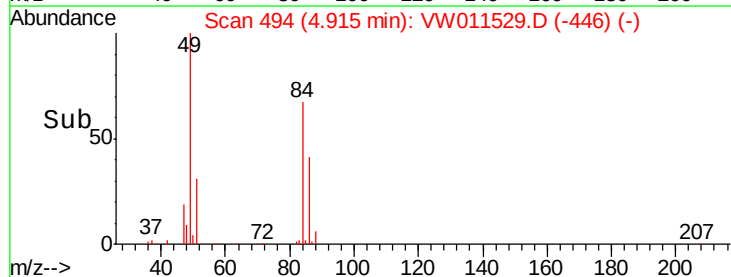
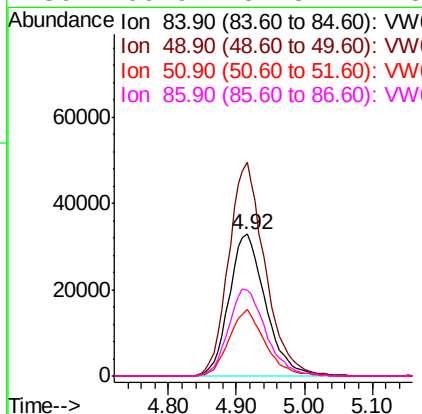
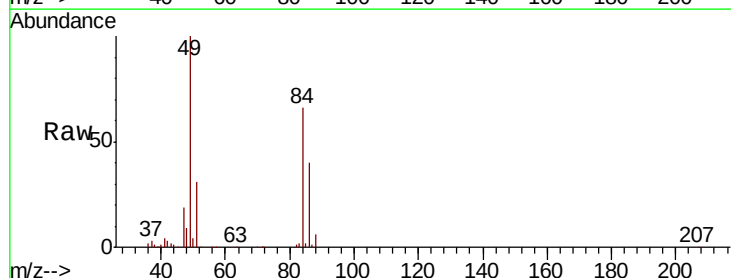
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

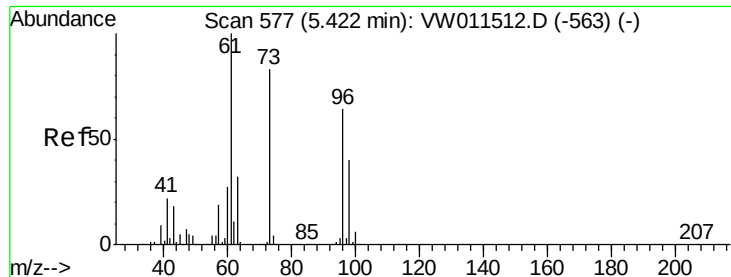
Tot Ion: 73 Resp: 177545
Ion Ratio Lower Upper
73 100
57 23.8 18.4 27.6



#20
Methylene Chloride
Concen: 44.021 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion: 84 Resp: 121995
Ion Ratio Lower Upper
84 100
49 150.9 117.8 176.6
51 46.7 37.0 55.4
86 60.9 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 47.133 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

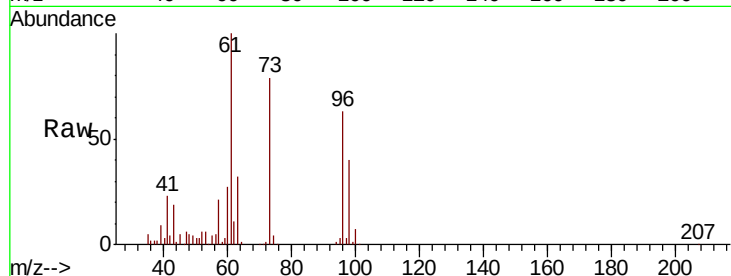
Tot Ion: 96 Resp: 116422

Ion Ratio Lower Upper

96 100

61 158.8 125.7 188.5

98 62.7 50.3 75.5

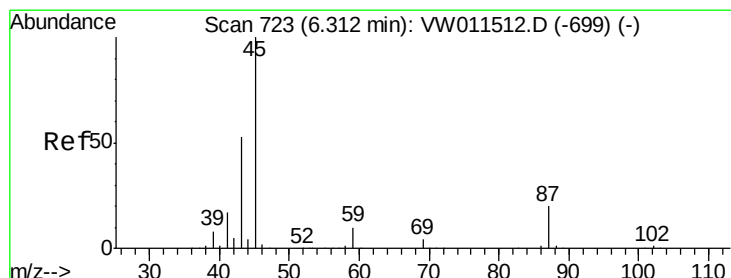
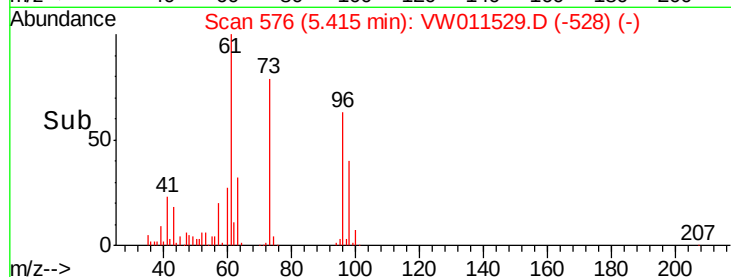
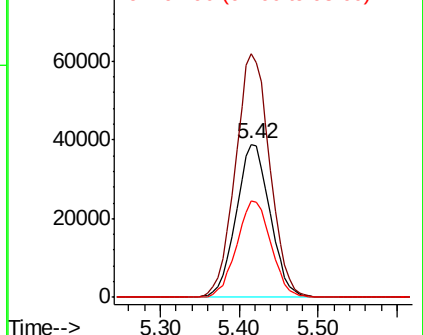


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 48.794 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion: 45 Resp: 448290

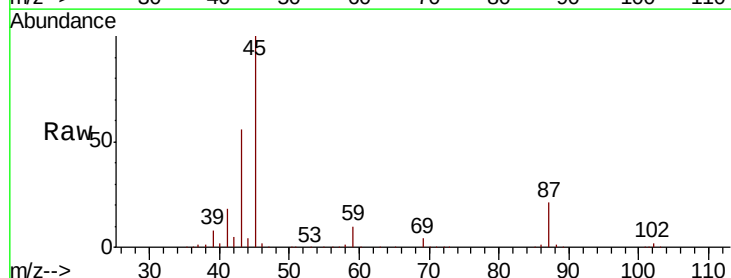
Ion Ratio Lower Upper

45 100

43 55.6 42.6 63.8

87 21.2 16.4 24.6

59 10.4 8.2 12.2



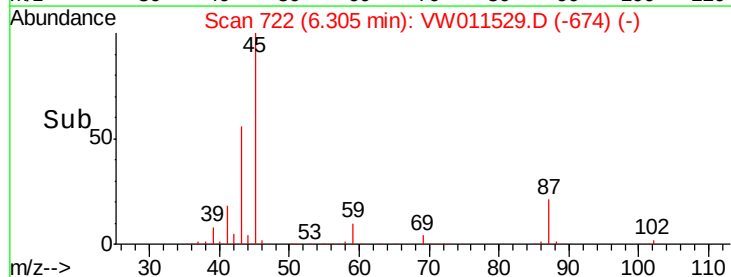
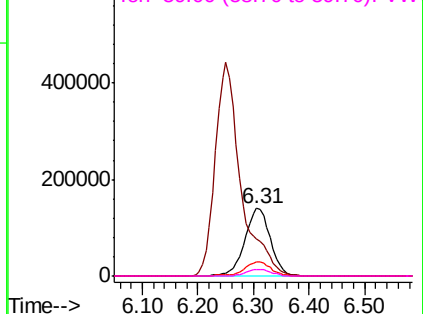
Abundance

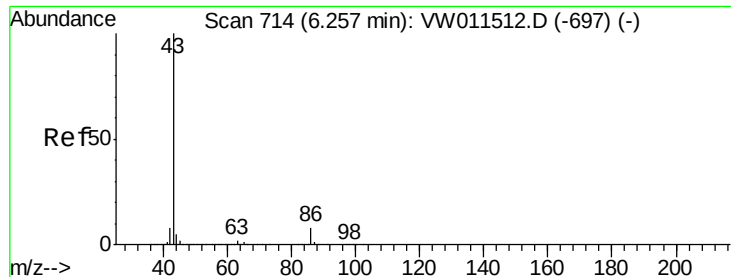
Ion 45.00 (44.70 to 45.70): VW

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: 245.203 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

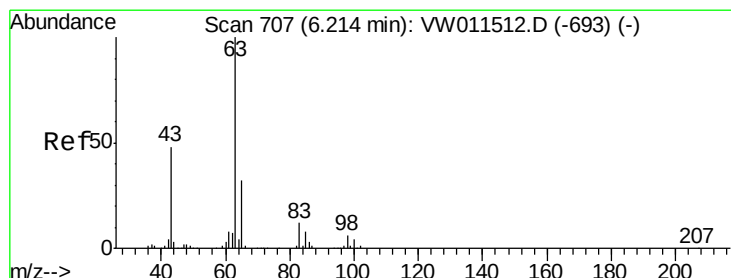
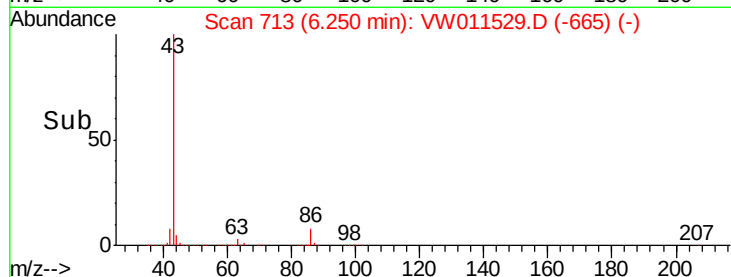
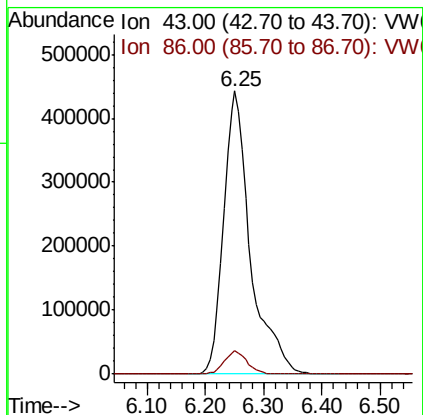
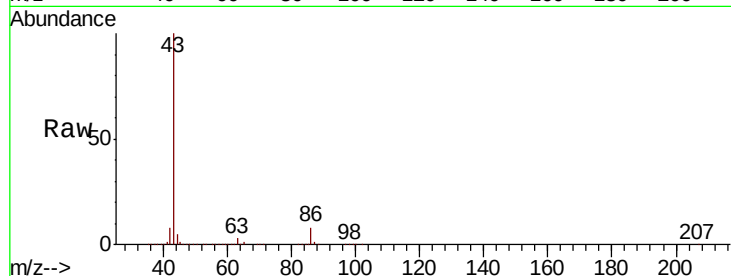
VSTDCCC050EC

Tot Ion: 43 Resp: 1415545

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



#24

1,1-Dichloroethane

Concen: 47.452 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

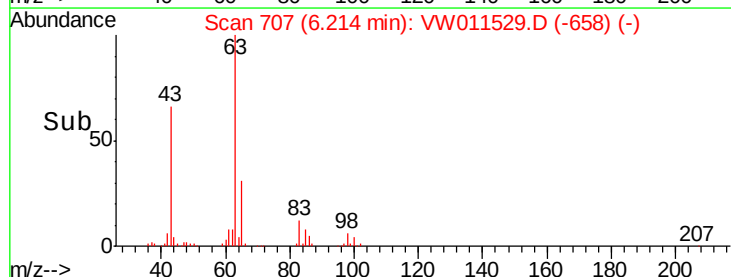
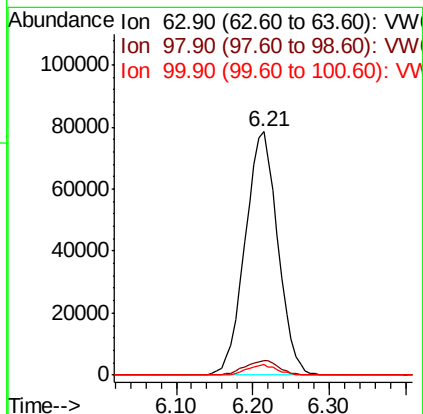
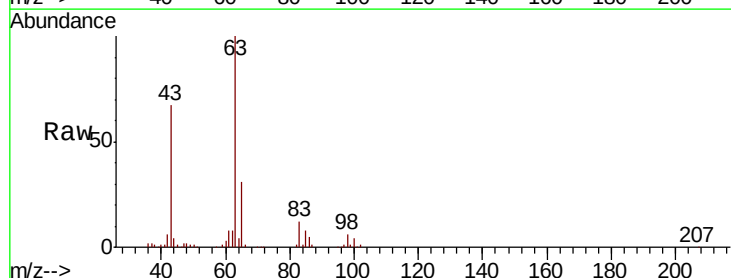
Tgt Ion: 63 Resp: 233484

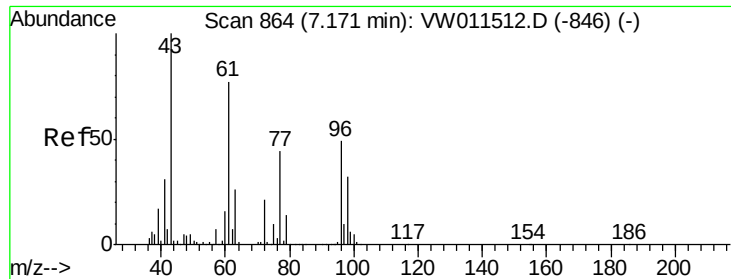
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 232.659 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

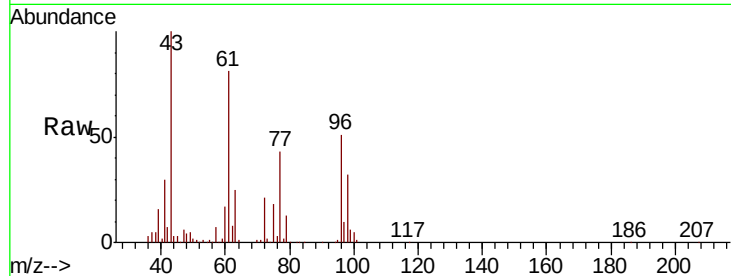
VSTDCCC050EC

Tot Ion: 43 Resp: 244635

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

100000

80000

60000

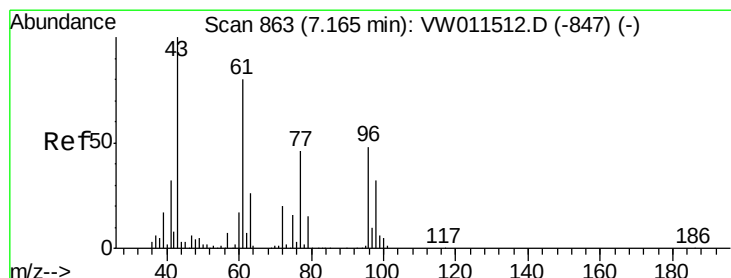
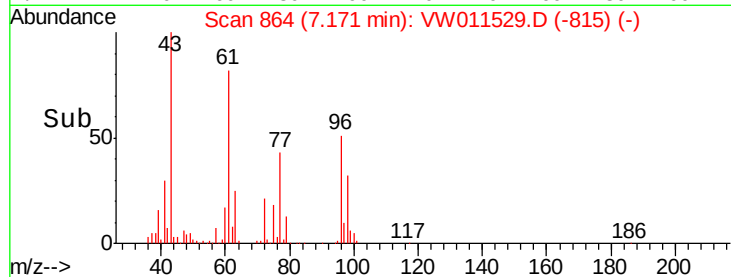
40000

20000

0

7.10 7.20

Time-->



#26

2,2-Dichloropropane

Concen: 41.677 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011529.D

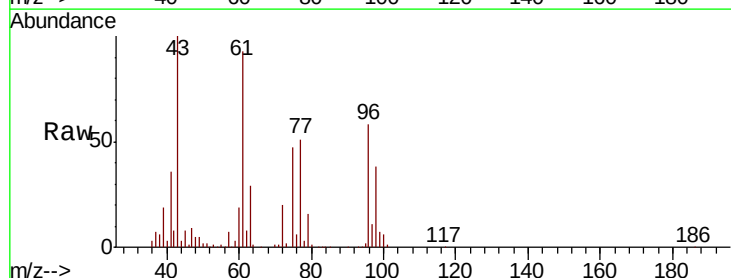
Acq: 26 Jul 2019 20:58

Tgt Ion: 77 Resp: 126116

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

40000

30000

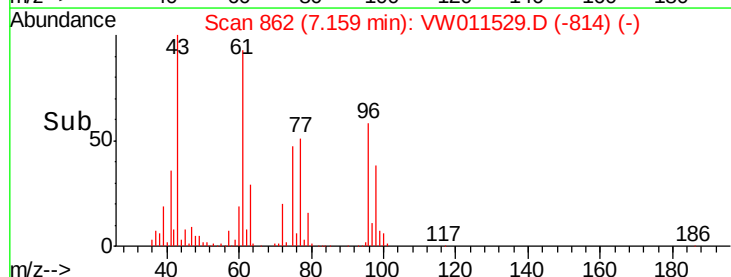
20000

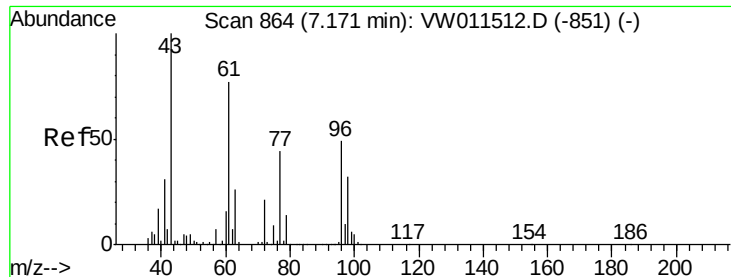
10000

0

7.00 7.10 7.20 7.30

Time-->



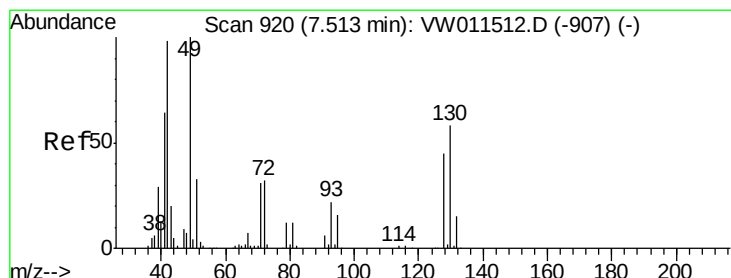
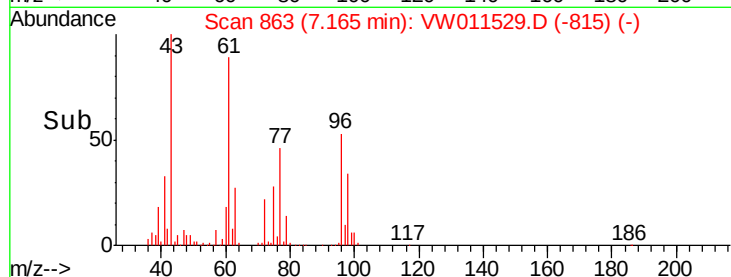
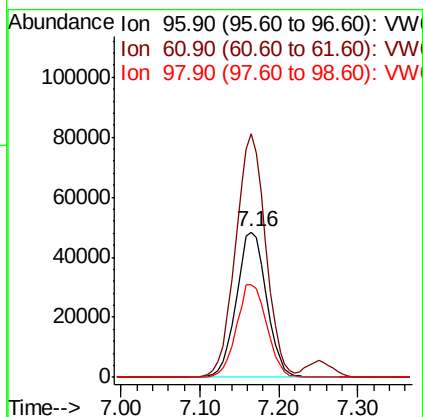
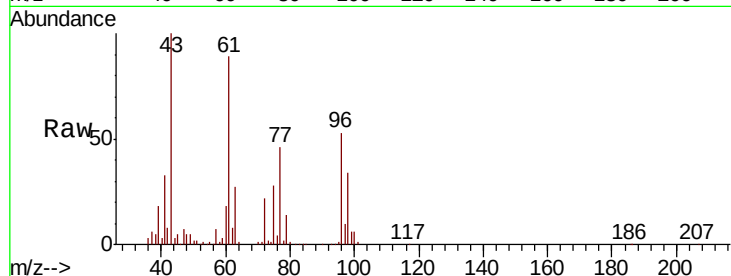


#27

cis-1,2-Dichloroethene
 Concen: 47.455 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

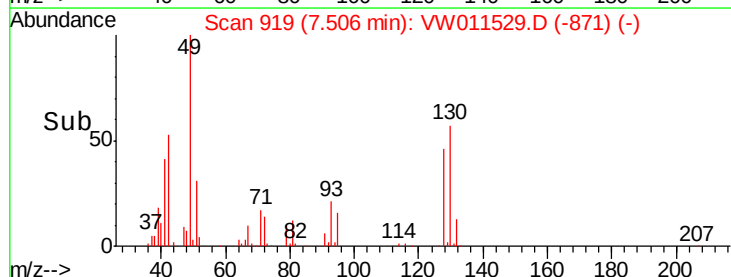
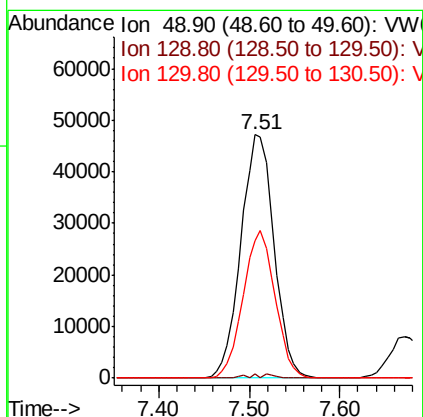
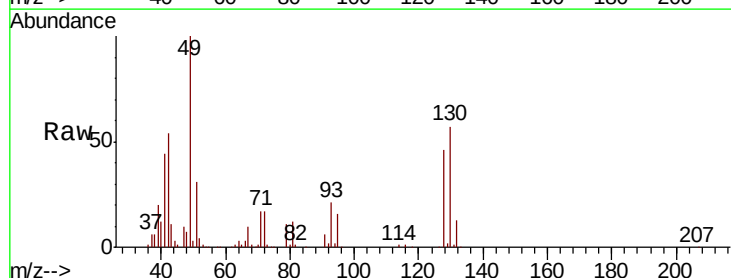
Tot Ion	96	Resp	129009
Ion	Ratio	Lower	Upper
96	100		
61	166.4	0.0	328.4
98	64.1	0.0	128.8

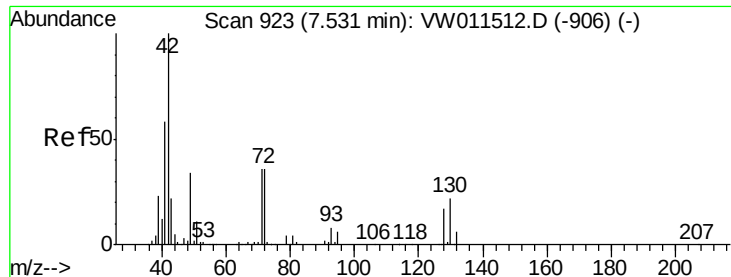


#28

Bromochloromethane
 Concen: 54.761 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	49	Resp	119598
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.0
130	58.5	46.3	69.5

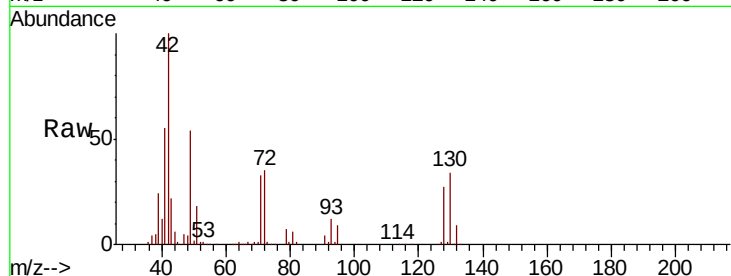




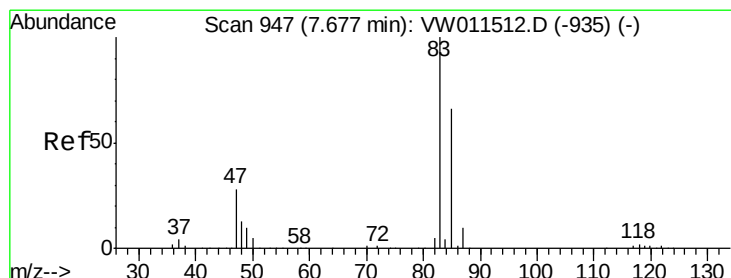
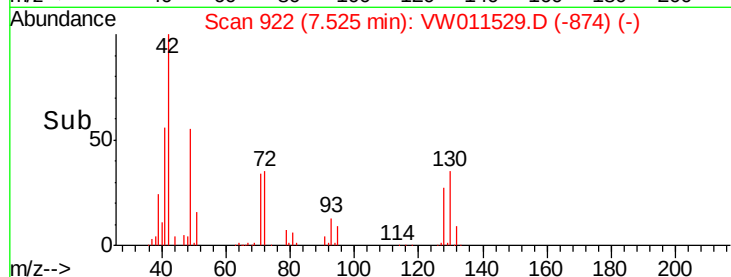
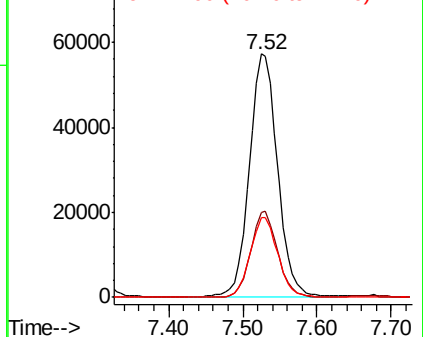
#29
Tetrahydrofuran
Concen: 252.809 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 151946
Ion Ratio Lower Upper
42 100
72 33.8 27.1 40.7
71 32.5 26.2 39.4

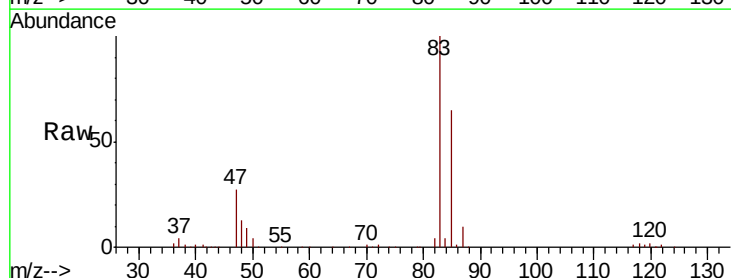


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

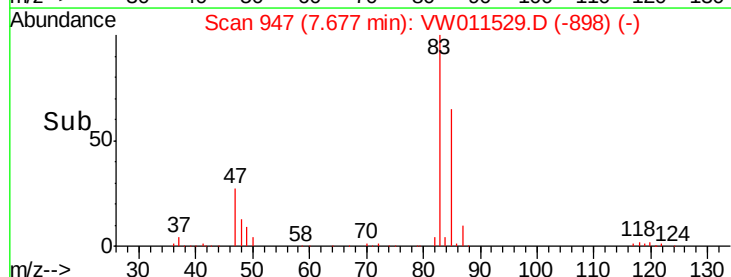
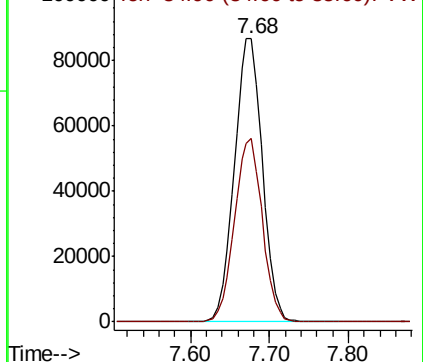


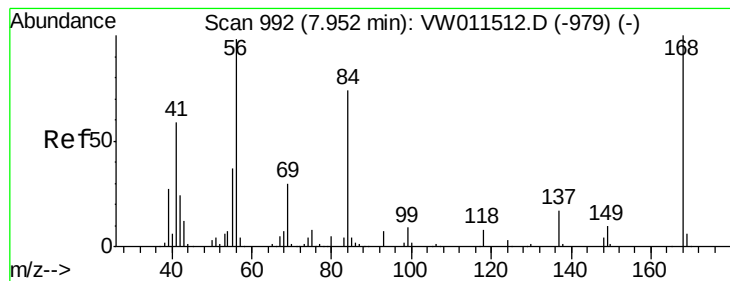
#30
Chloroform
Concen: 47.190 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion: 83 Resp: 214216
Ion Ratio Lower Upper
83 100
85 64.7 52.5 78.7



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





#31

Cyclohexane

Concen: 43.409 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

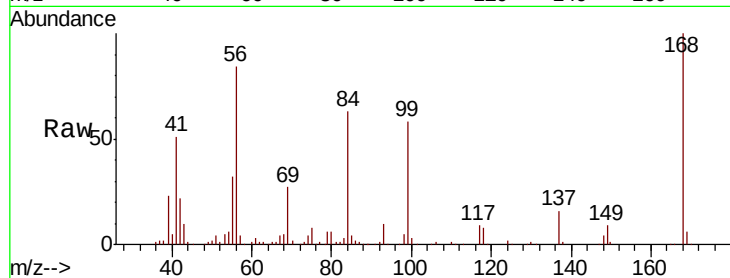
Tot Ion: 56 Resp: 205032

Ion Ratio Lower Upper

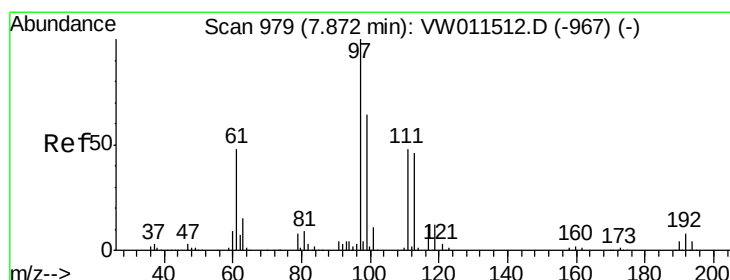
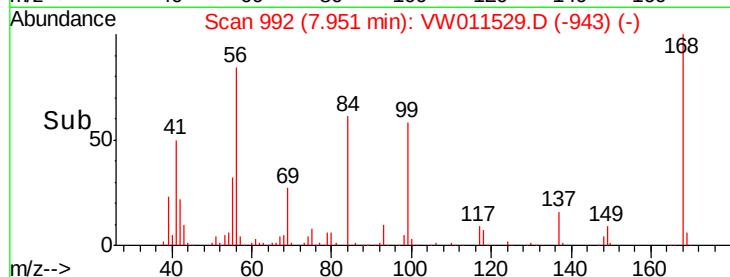
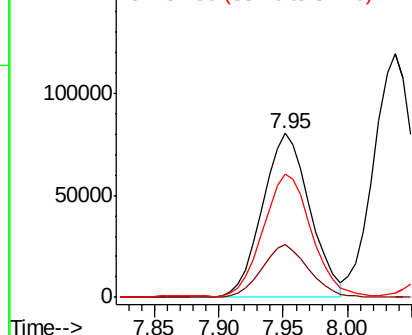
56 100

69 32.4 24.3 36.5

84 73.7 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 46.490 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

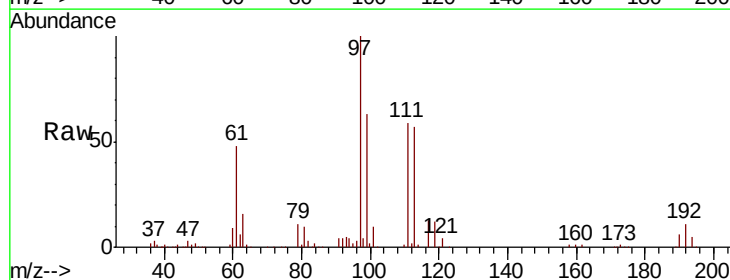
Tgt Ion: 97 Resp: 160720

Ion Ratio Lower Upper

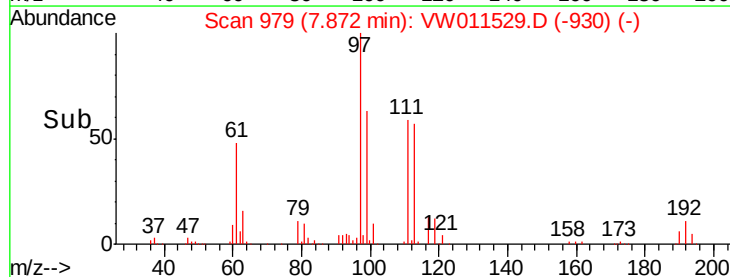
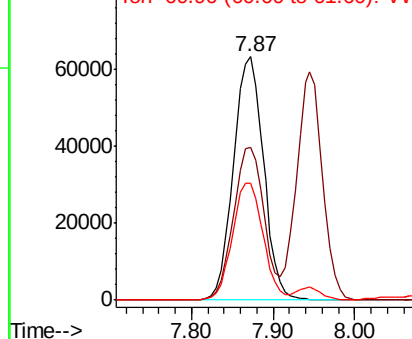
97 100

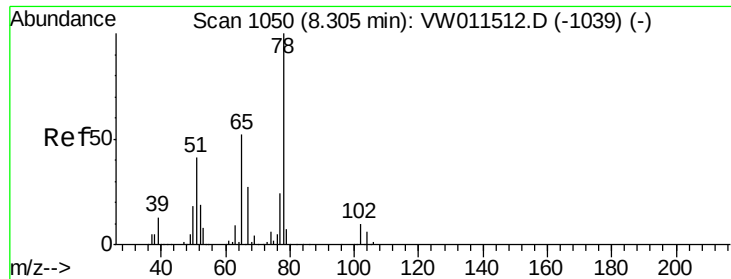
99 63.9 51.0 76.6

61 49.1 39.8 59.6



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

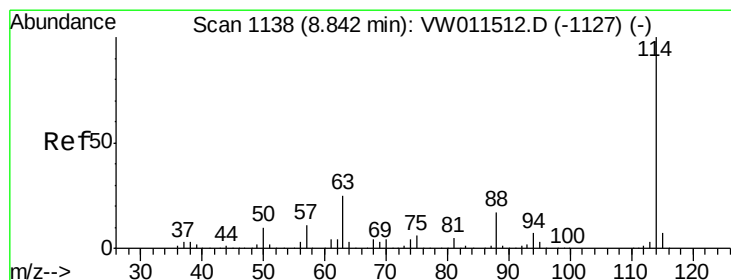
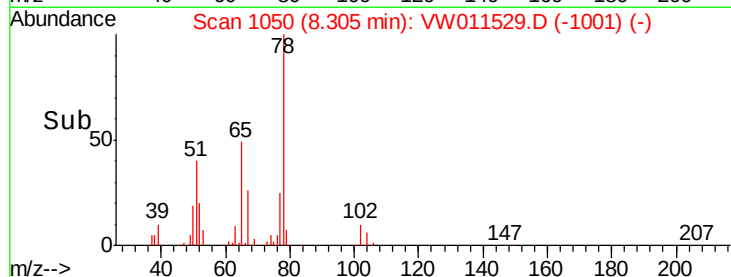
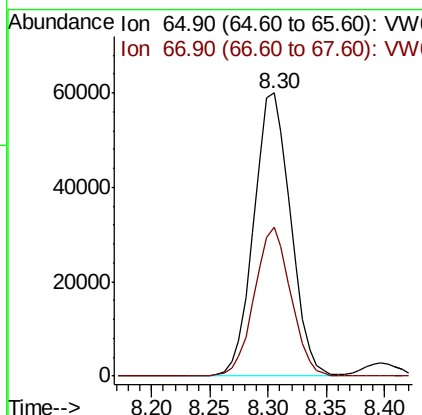
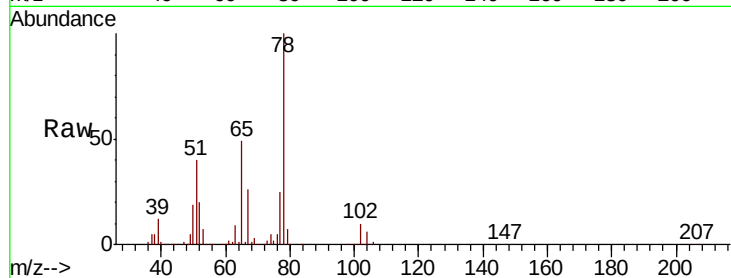




#33
 1,2-Dichloroethane-d4
 Concen: 52.080 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

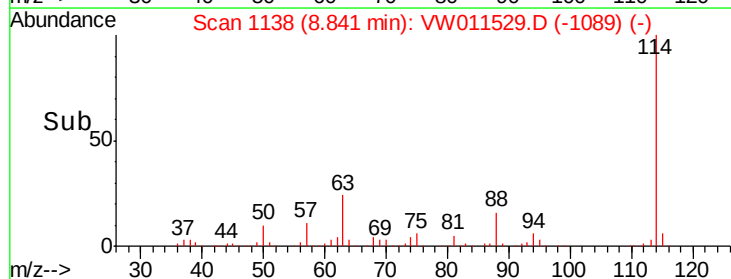
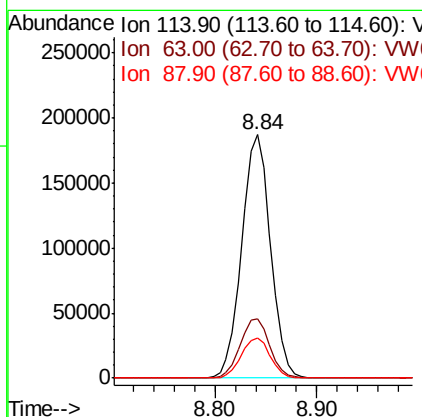
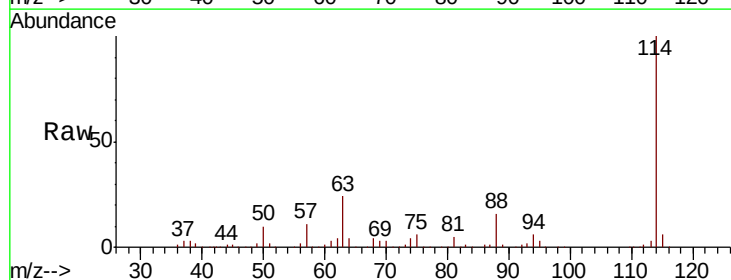
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

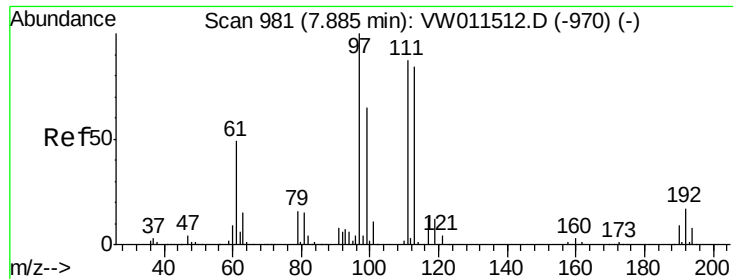
Tot Ion: 65 Resp: 131561
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion: 114 Resp: 366641
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.3 0.0 33.8

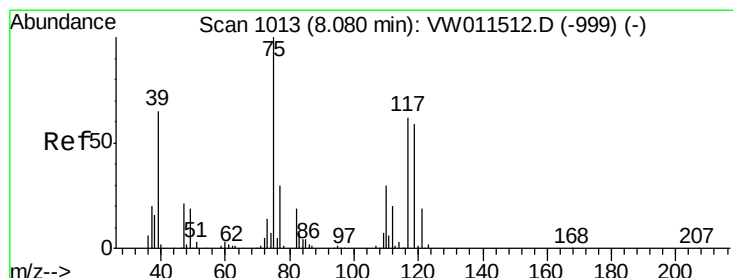
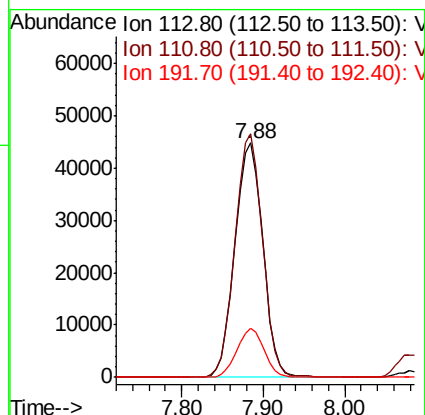
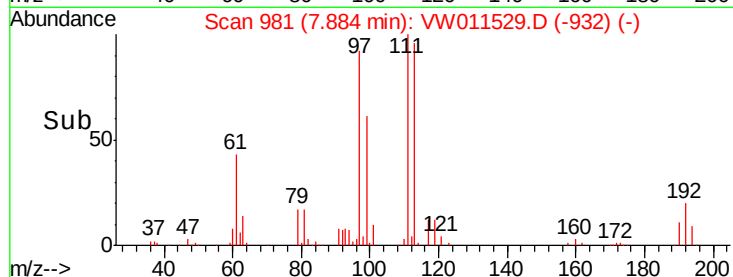
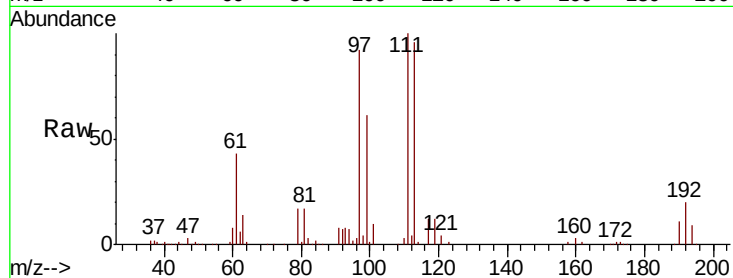




#35
 Dibromofluoromethane
 Concen: 51.595 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

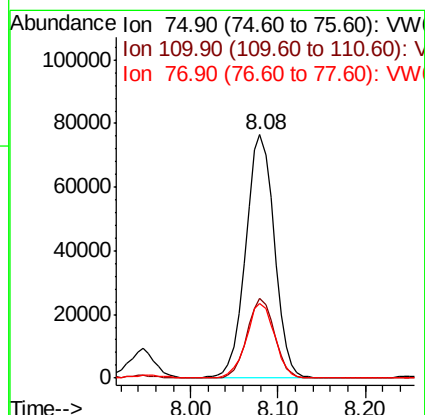
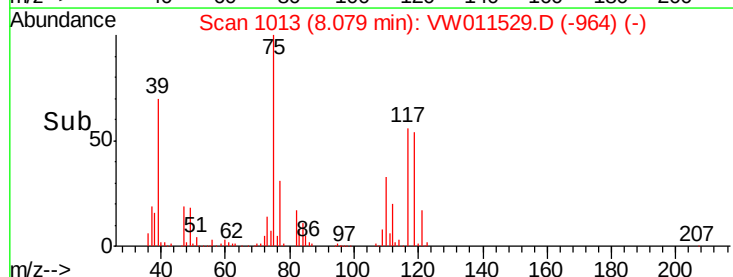
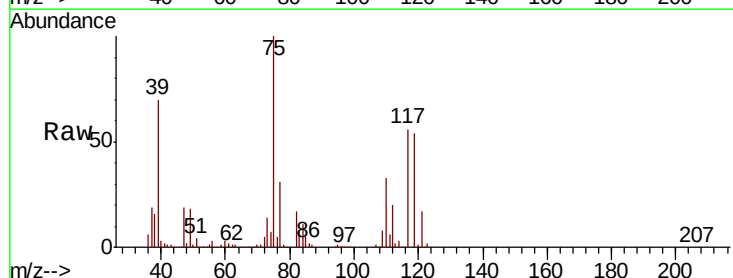
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

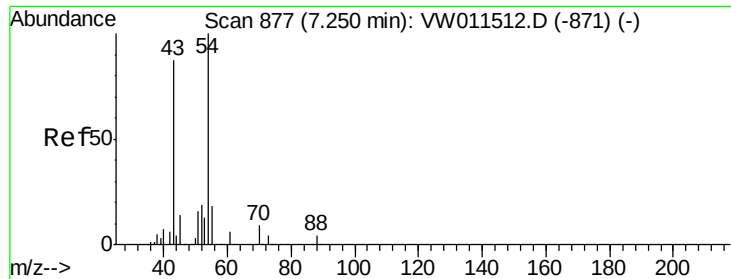
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	20.0	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 45.574 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.6	46.8
77	30.5	24.3	36.5

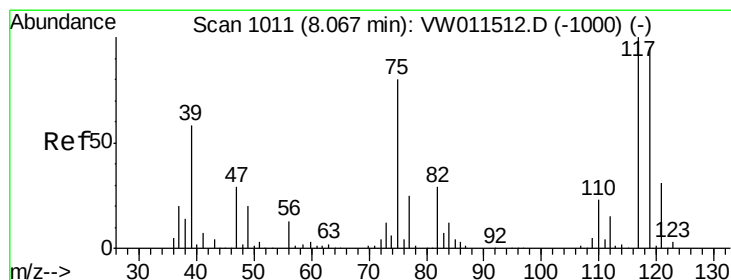
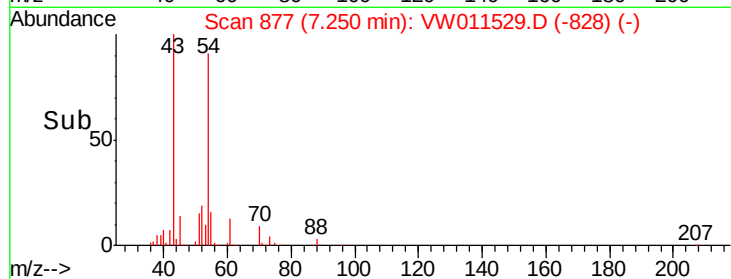
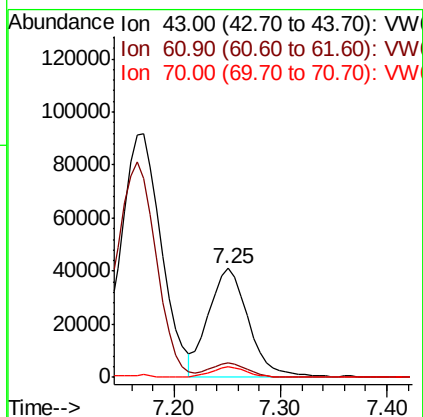
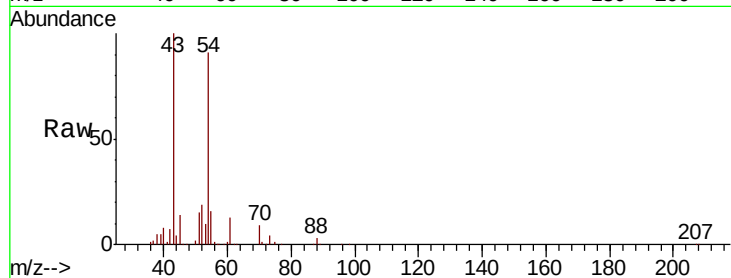




#37
Ethyl Acetate
Concen: 48.003 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

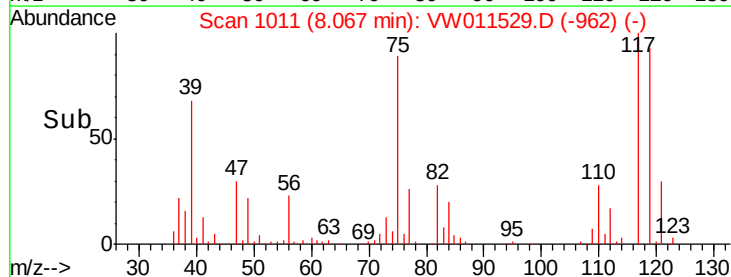
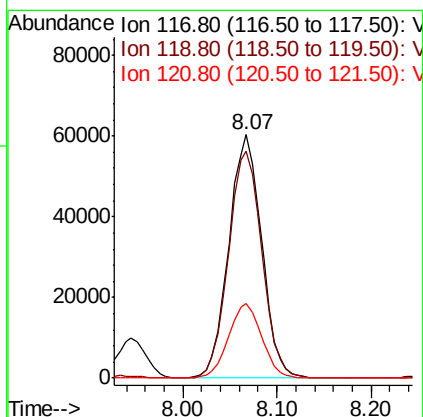
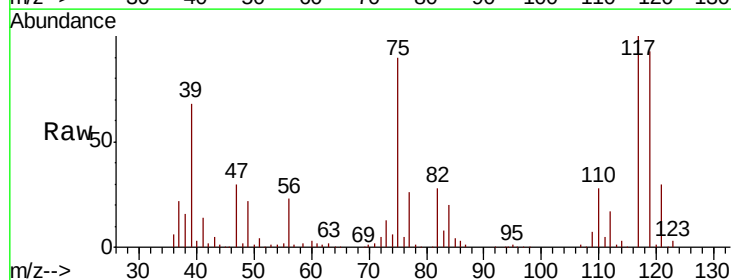
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

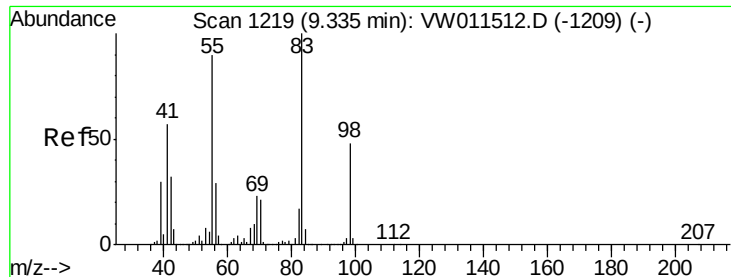
Tot Ion: 43 Resp: 105288
Ion Ratio Lower Upper
43 100
61 11.8 8.8 13.2
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 44.773 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion: 117 Resp: 146124
Ion Ratio Lower Upper
117 100
119 93.3 75.8 113.6
121 30.4 24.7 37.1

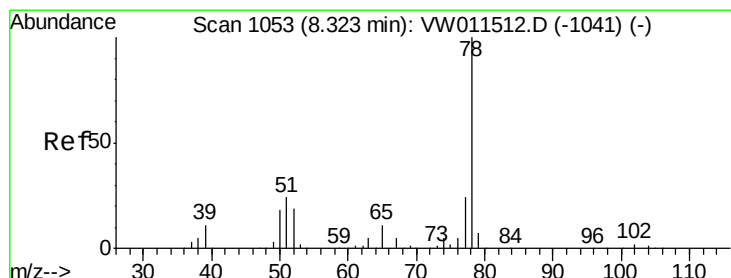
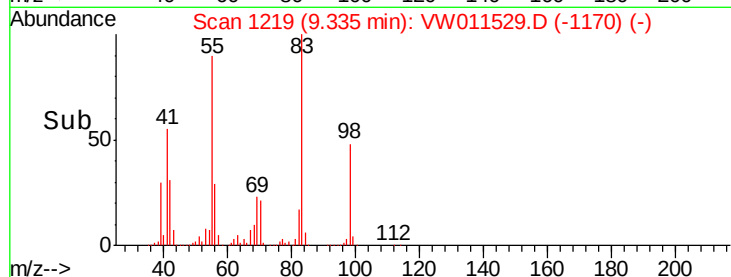
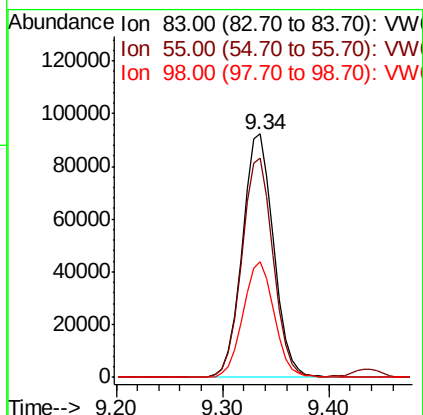
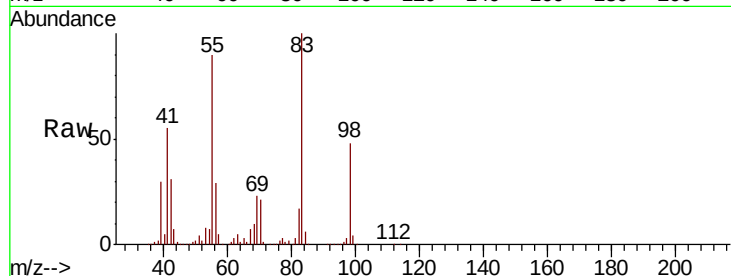




#39
Methylvlcyclohexane
Concen: 45.533 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

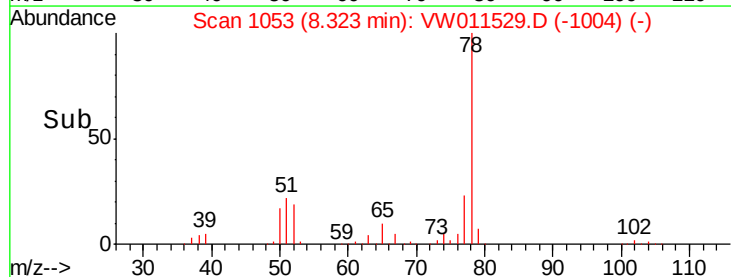
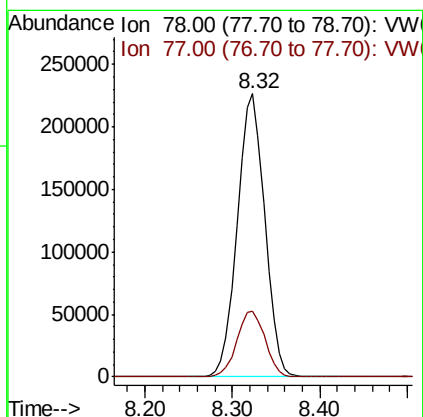
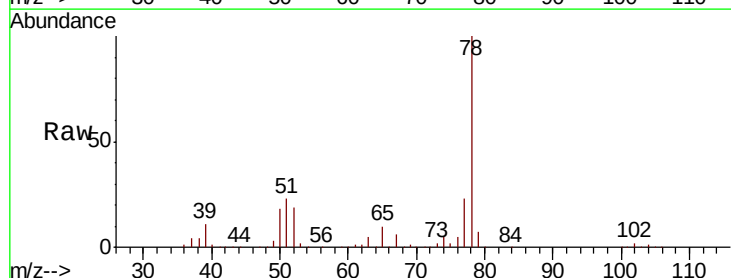
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

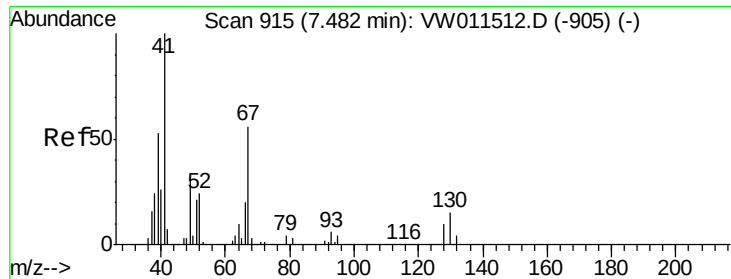
Tot Ion: 83 Resp: 191142
Ion Ratio Lower Upper
83 100
55 89.8 72.1 108.1
98 47.6 38.6 57.8



#40
Benzene
Concen: 46.427 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion: 78 Resp: 495781
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.0

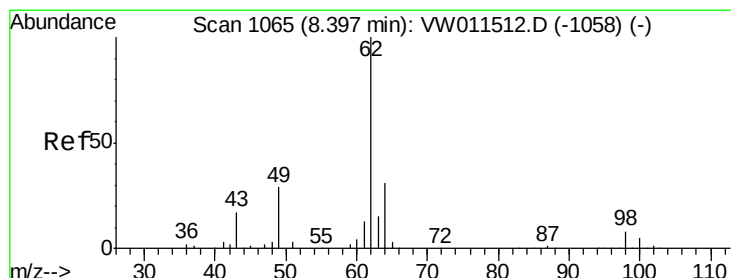
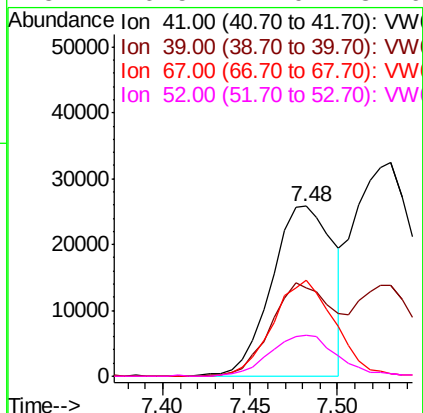
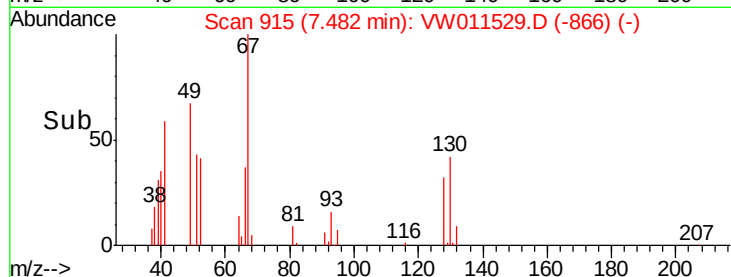
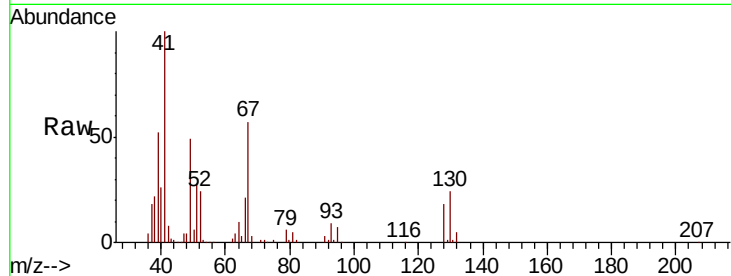




#41
Methacrylonitrile
Concen: 48.692 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

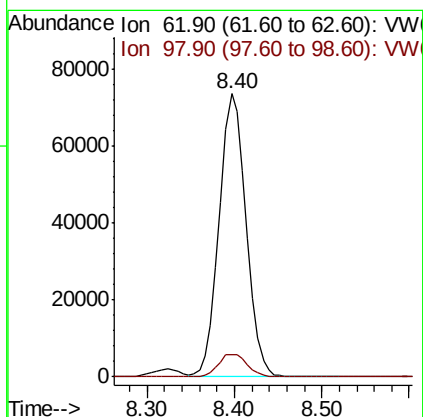
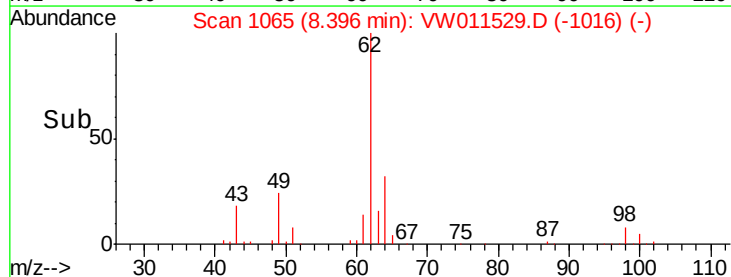
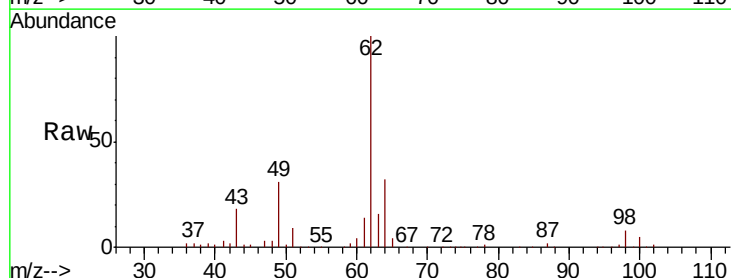
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

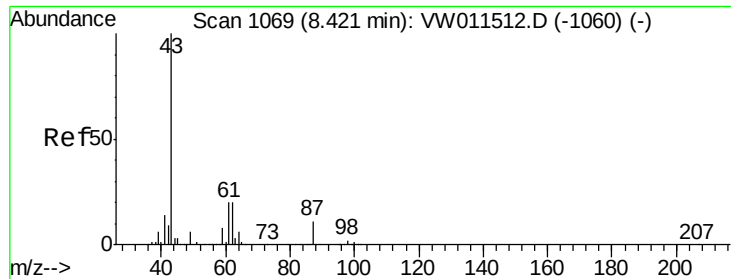
Tot Ion:	41	Resp:	63842
Ion	Ratio	Lower	Upper
41	100		
39	58.2	43.0	64.4
67	57.3	47.5	71.3
52	26.5	21.0	31.6



#42
1,2-Dichloroethane
Concen: 47.128 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion:	62	Resp:	157567
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 49.126 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

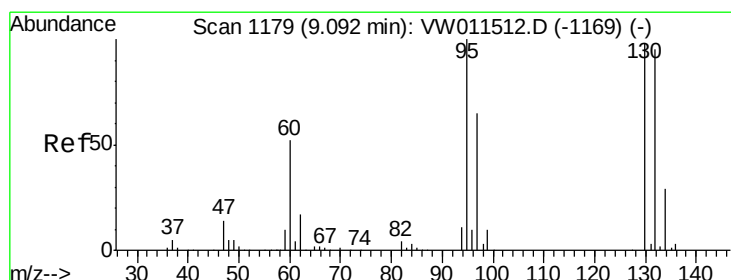
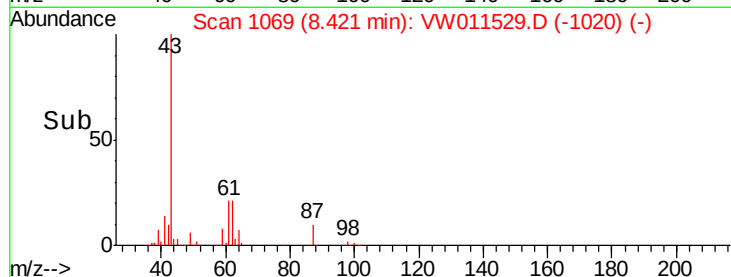
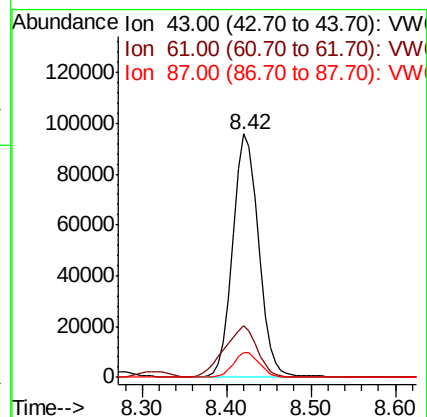
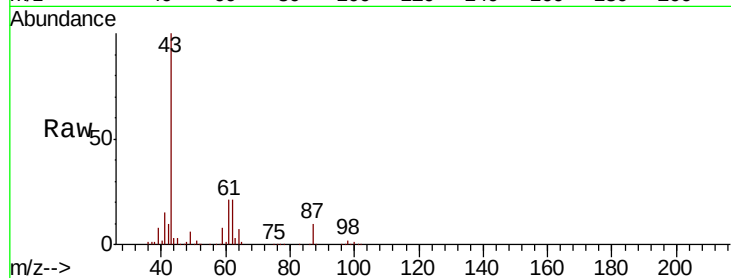
Tot Ion: 43 Resp: 198163

Ion Ratio Lower Upper

43 100

61 27.2 21.5 32.3

87 10.4 8.4 12.6



#44

Trichloroethene

Concen: 46.213 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011529.D

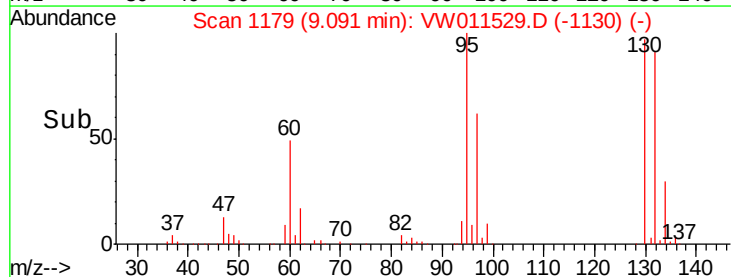
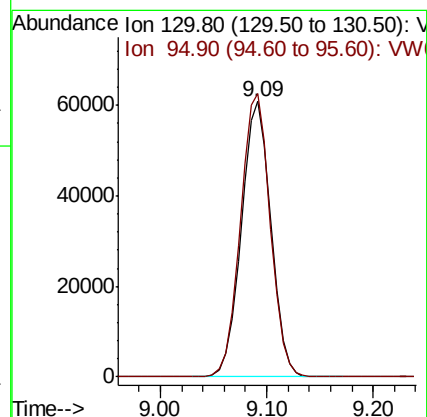
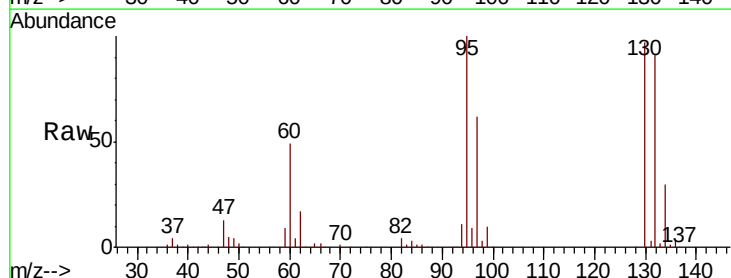
Acq: 26 Jul 2019 20:58

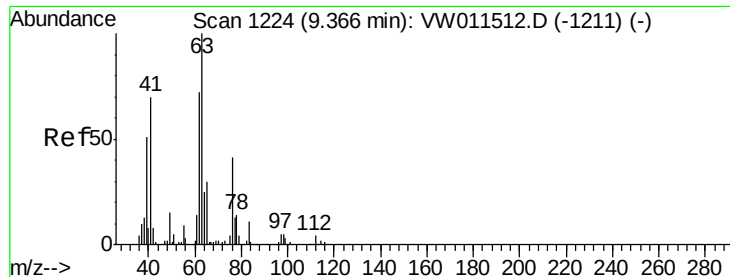
Tgt Ion: 130 Resp: 118610

Ion Ratio Lower Upper

130 100

95 102.7 0.0 204.8

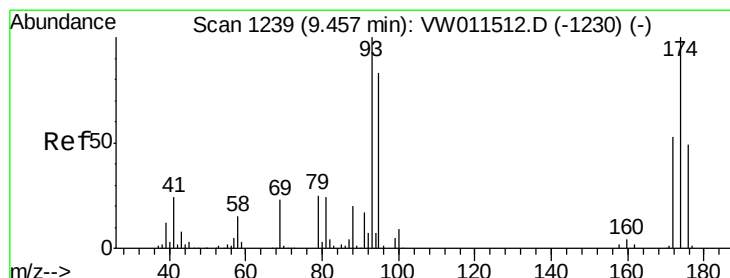
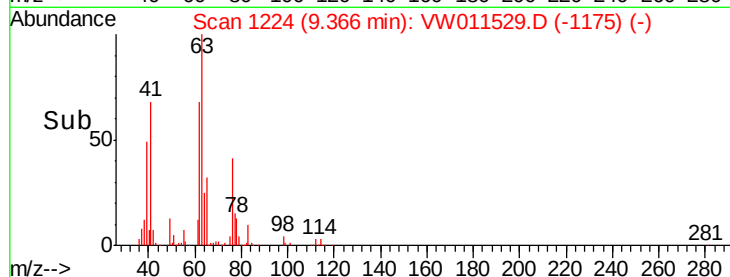
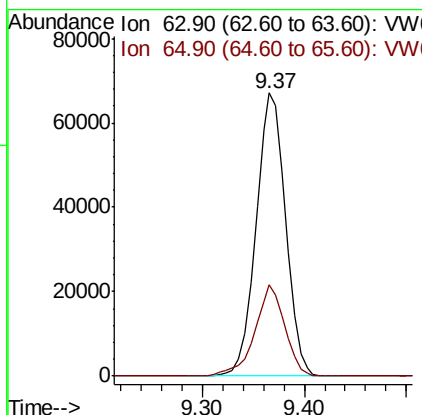
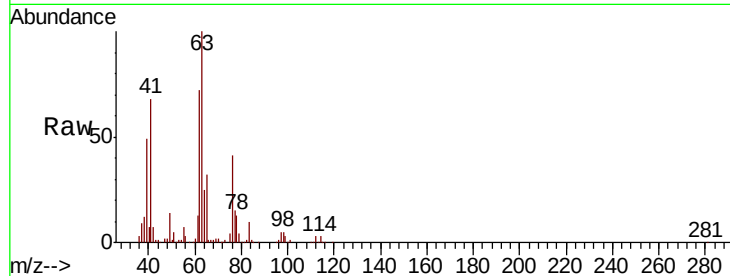




#45
 1,2-Dichloropropane
 Concen: 47.340 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

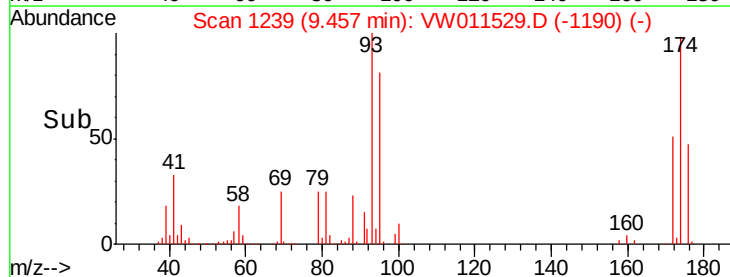
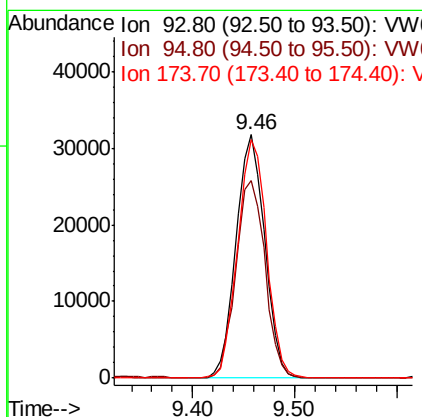
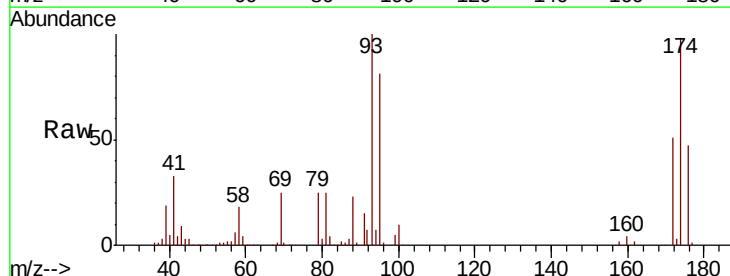
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

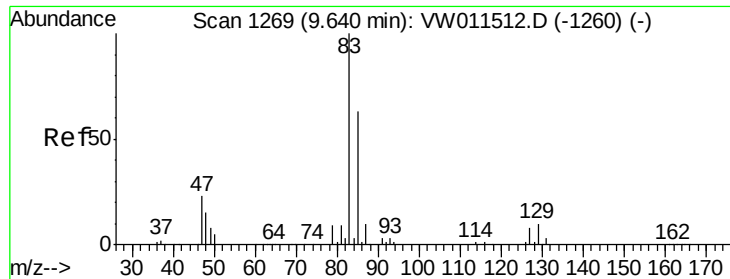
Tot Ion: 63 Resp: 135263
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.2 36.4



#46
 Dibromomethane
 Concen: 47.385 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion: 93 Resp: 61795
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.2
 174 99.0 78.2 117.4





#47

Bromodichloromethane

Concen: 46.650 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

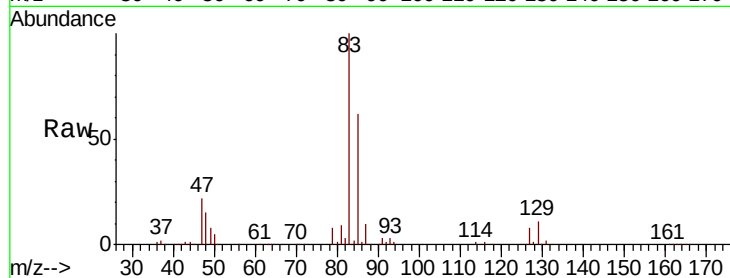
Tot Ion: 83 Resp: 159584

Ion Ratio Lower Upper

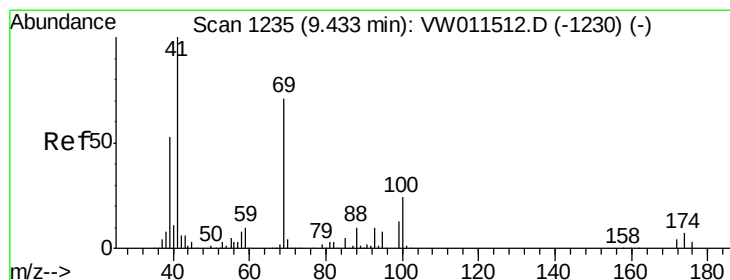
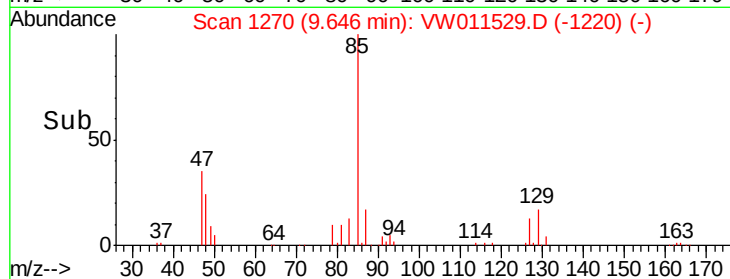
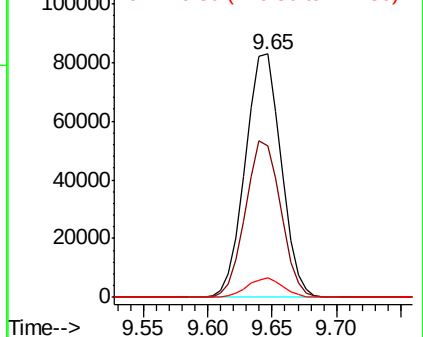
83 100

85 62.4 50.5 75.7

127 8.0 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 49.639 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

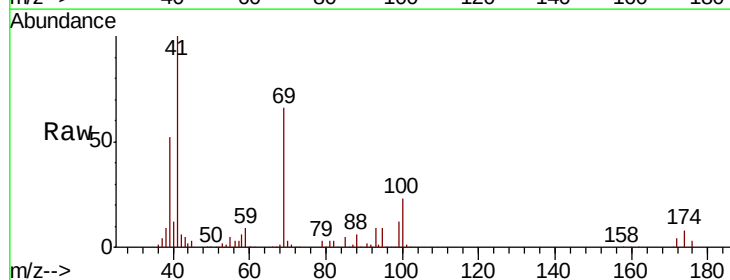
Tgt Ion: 41 Resp: 96184

Ion Ratio Lower Upper

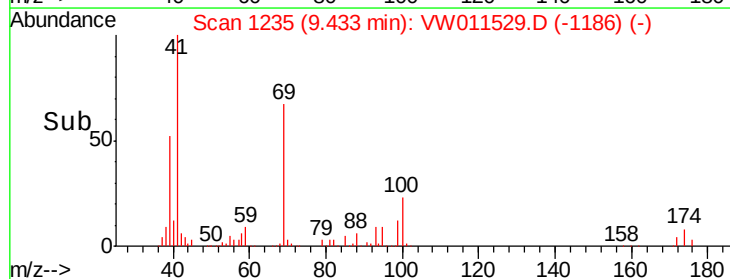
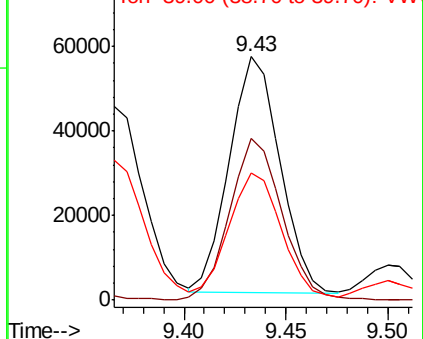
41 100

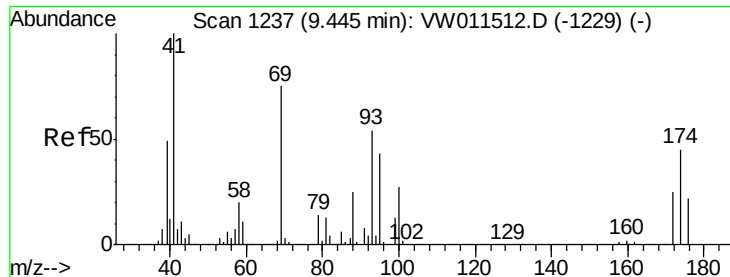
69 71.5 57.1 85.7

39 56.9 45.4 68.2



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





#49

1,4-Dioxane

Concen: 973.535 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

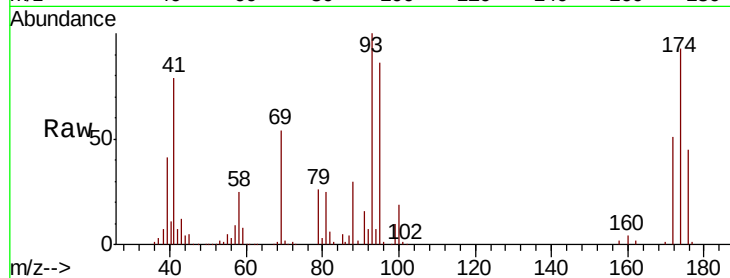
Tot Ion: 88 Resp: 18383

Ion Ratio Lower Upper

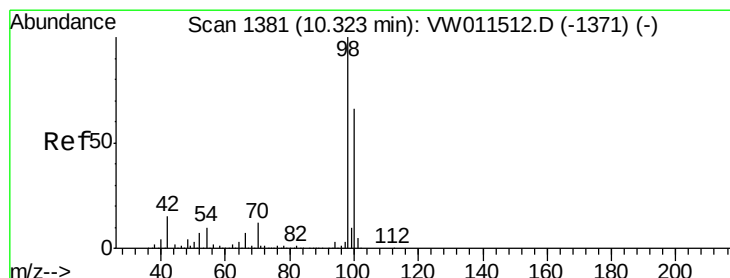
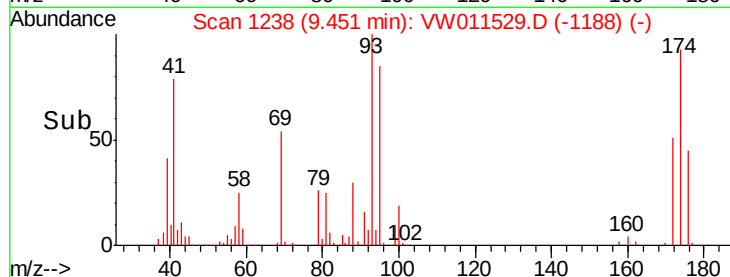
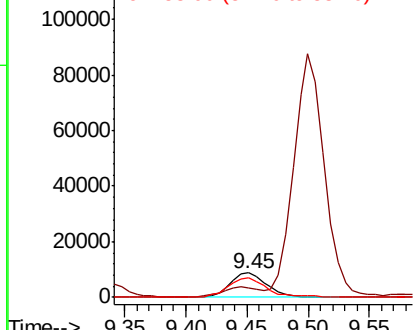
88 100

43 40.1 34.0 51.0

58 85.9 69.7 104.5



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.102 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011529.D

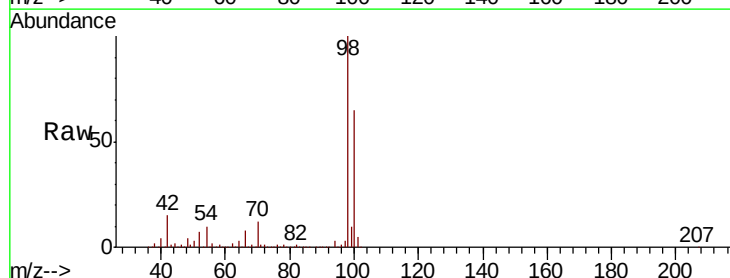
Acq: 26 Jul 2019 20:58

Tgt Ion: 98 Resp: 430361

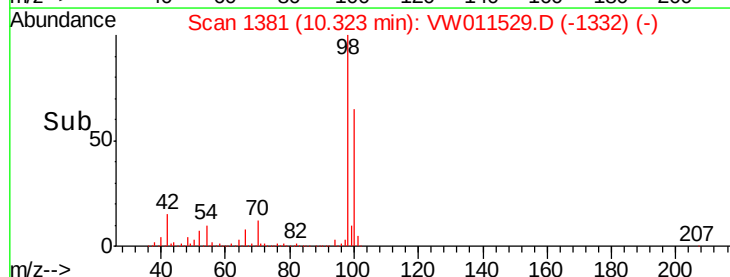
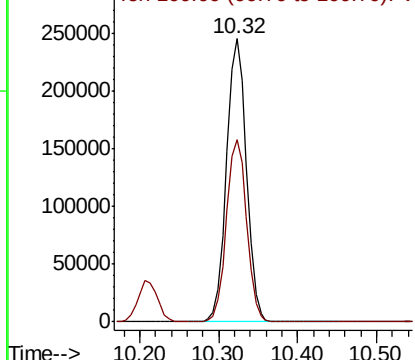
Ion Ratio Lower Upper

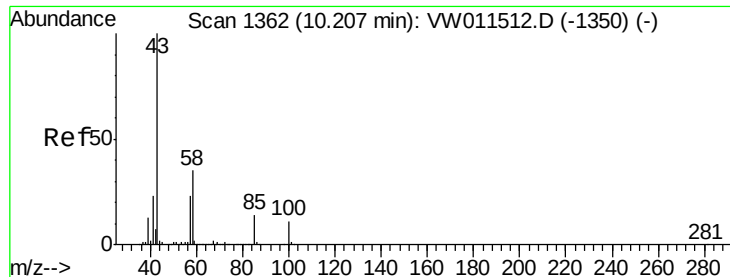
98 100

100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 249.391 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

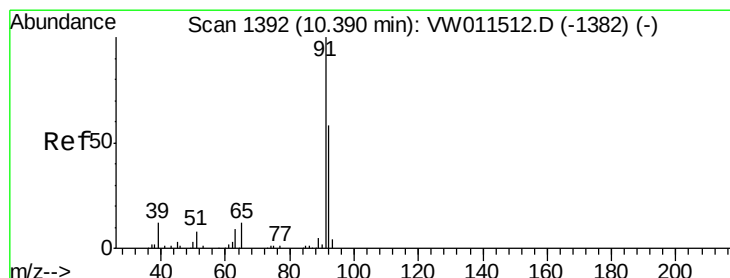
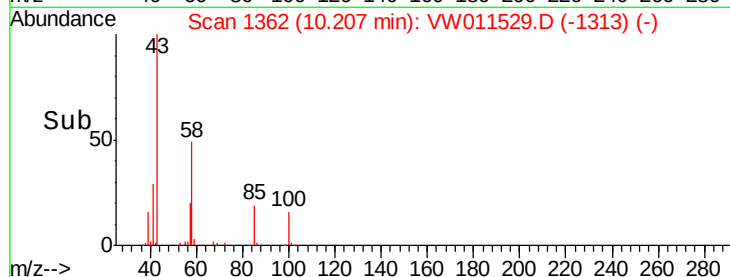
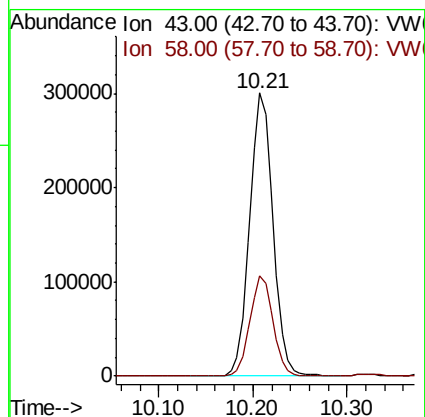
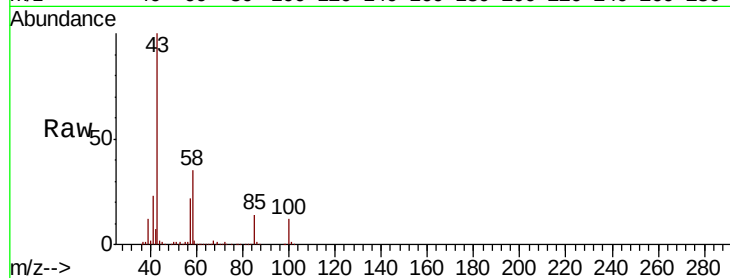
VSTDCCC050EC

Tot Ion: 43 Resp: 523264

Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2



#52

Toluene

Concen: 46.881 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011529.D

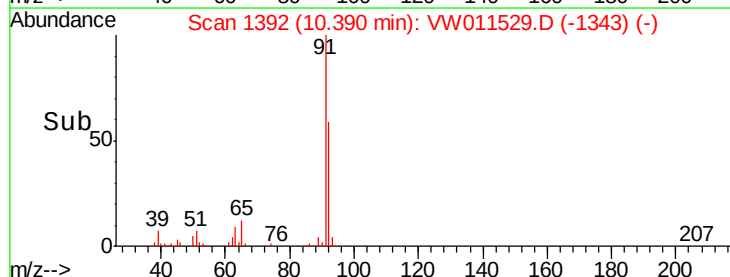
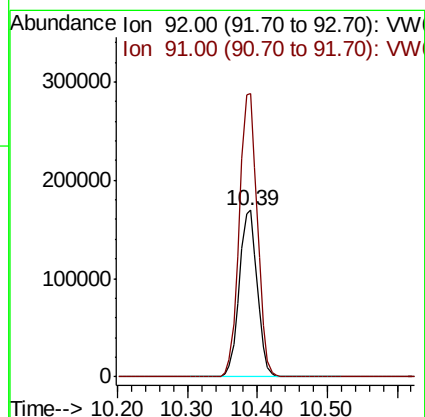
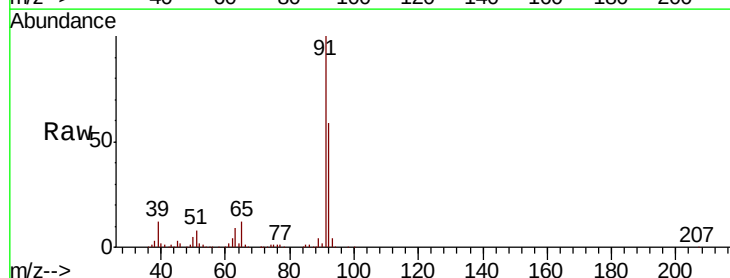
Acq: 26 Jul 2019 20:58

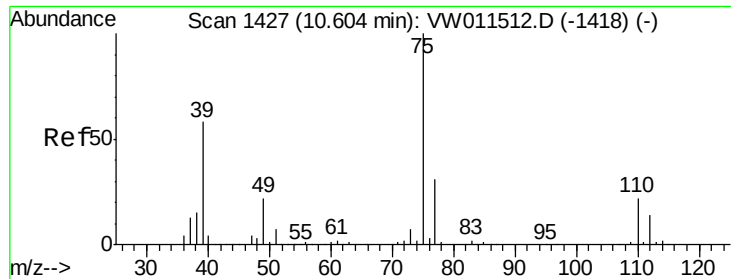
Tgt Ion: 92 Resp: 302329

Ion Ratio Lower Upper

92 100

91 170.1 136.7 205.1

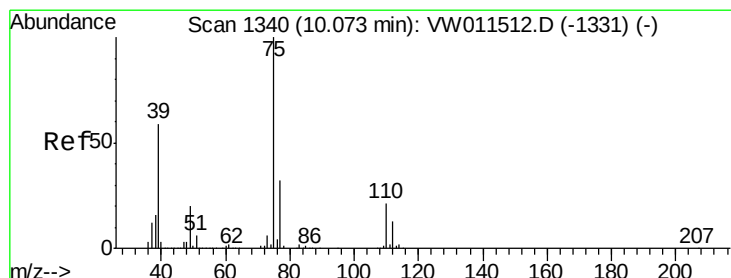
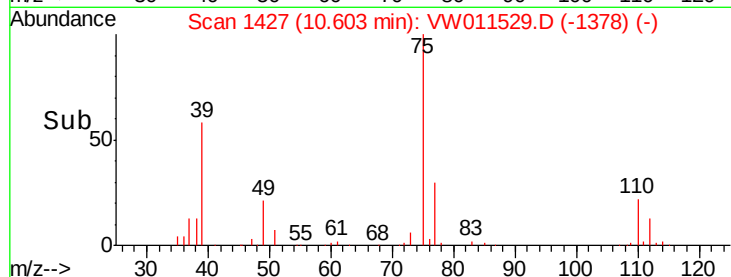
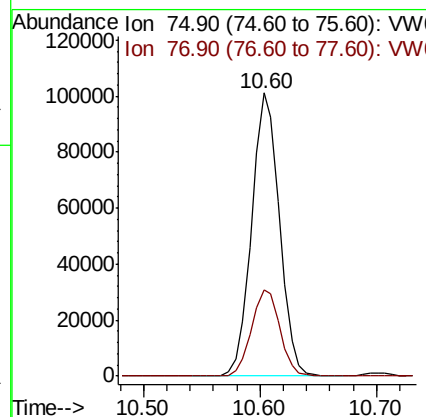
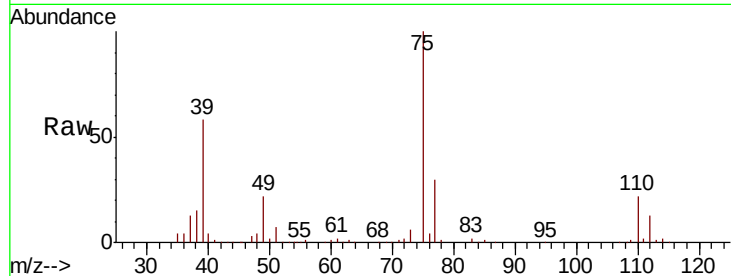




#53
 t-1,3-Dichloropropene
 Concen: 47.077 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

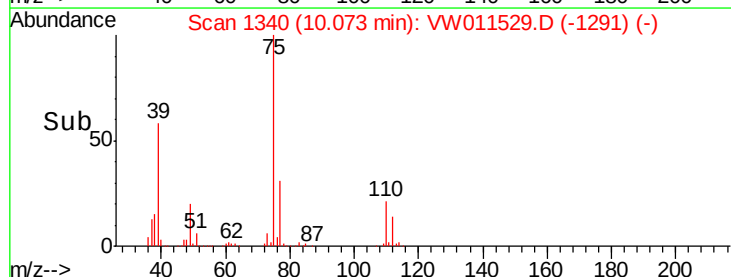
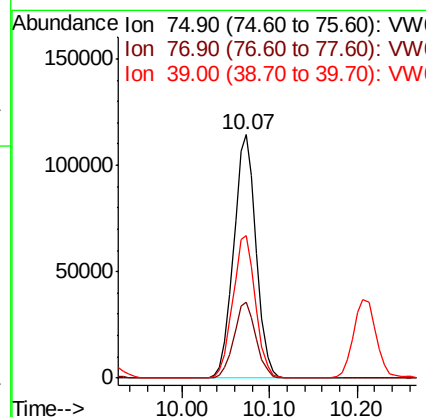
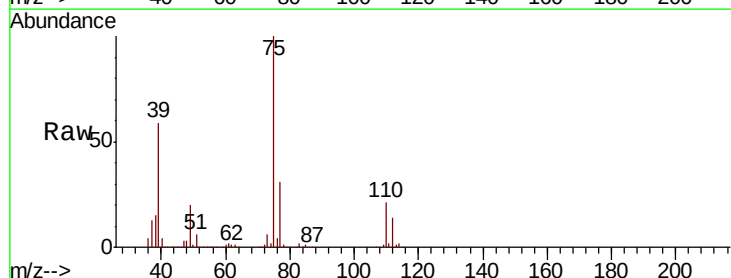
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

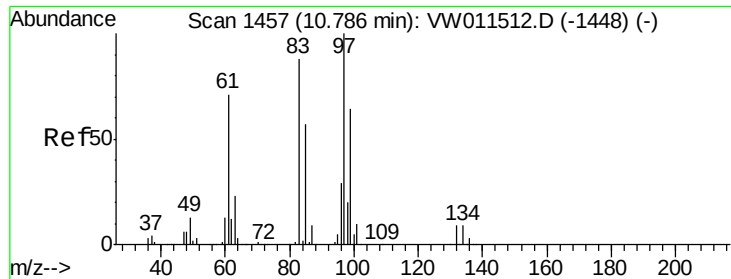
Tot Ion: 75 Resp: 168228
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 47.710 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion: 75 Resp: 202714
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.6 38.4
 39 58.6 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 47.255 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

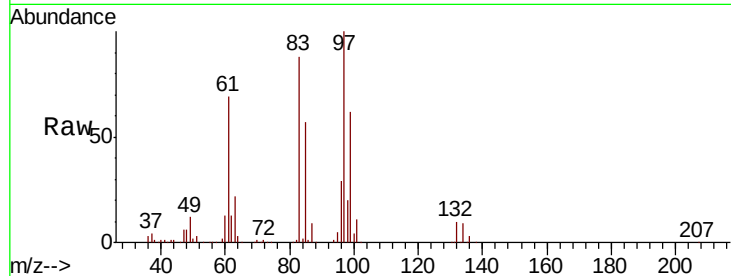
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 87438

Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.5	105.7
85	57.4	45.8	68.6
99	62.3	51.0	76.4

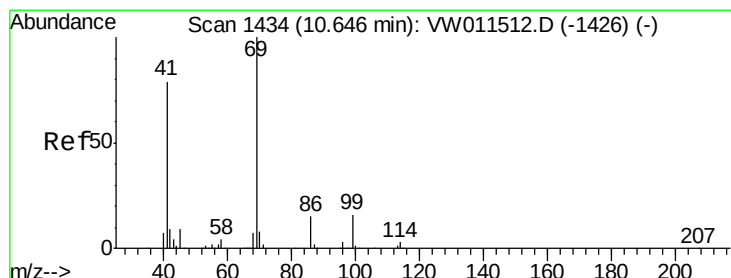
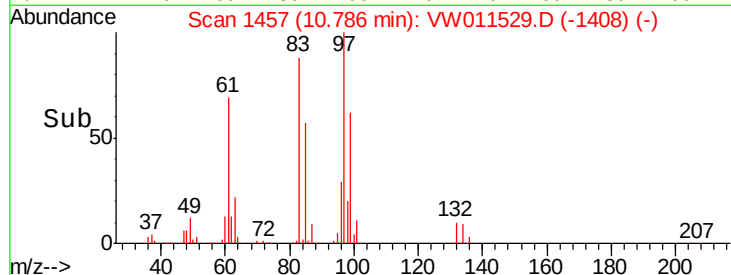


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 49.940 ug/l

RT: 10.65 min Scan# 1434

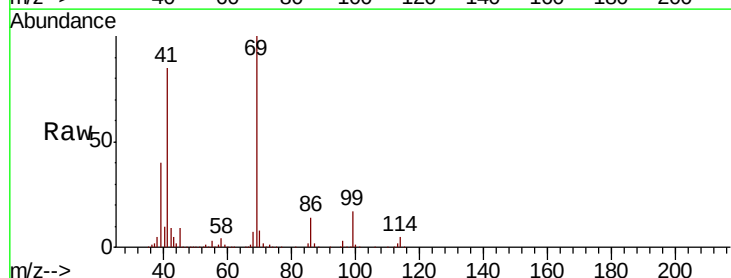
Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion: 69 Resp: 135220

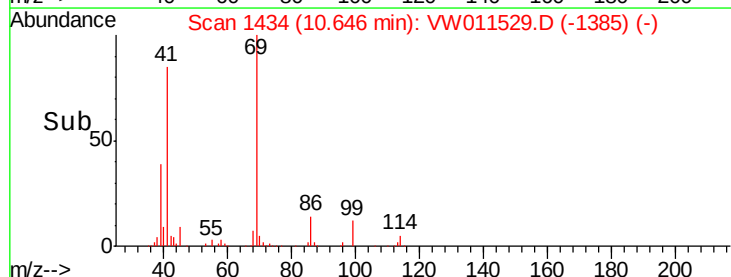
Ion	Ratio	Lower	Upper
69	100		
41	84.3	66.6	99.8
39	37.5	30.3	45.5

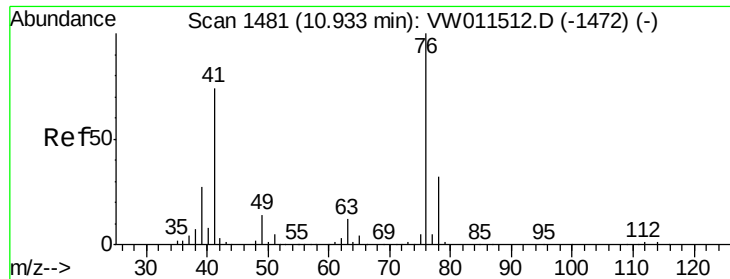


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 48.379 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

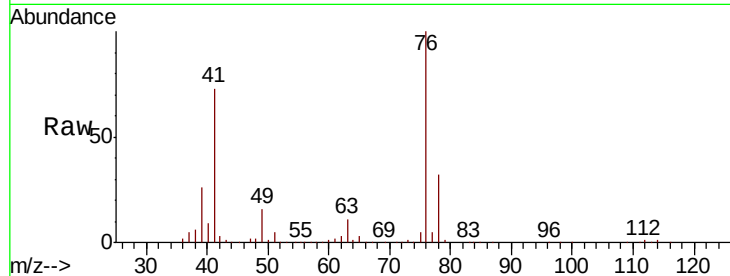
VSTDCCC050EC

Tot Ion: 76 Resp: 169358

Ion Ratio Lower Upper

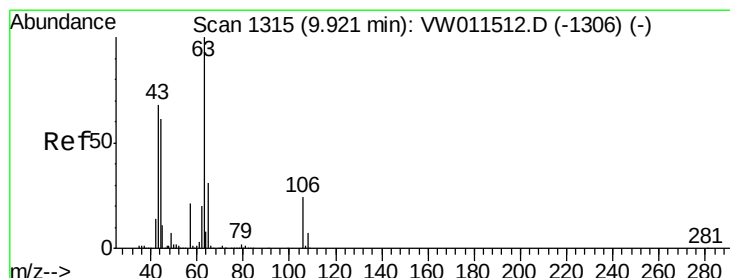
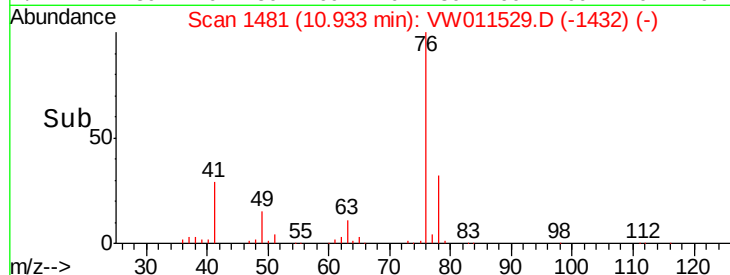
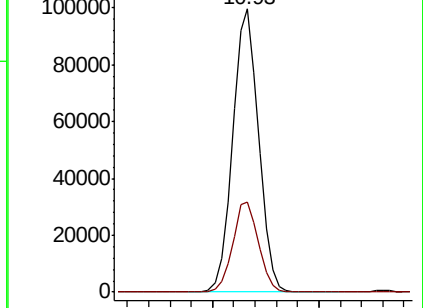
76 100

78 31.9 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 318.260 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011529.D

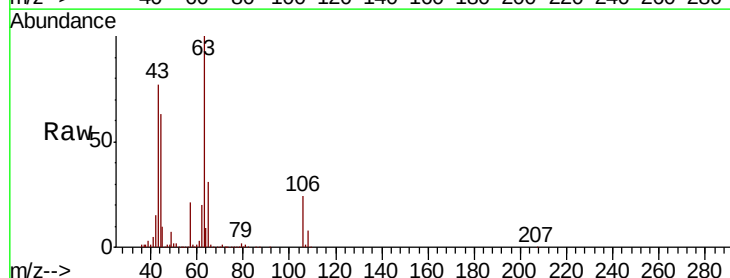
Acq: 26 Jul 2019 20:58

Tgt Ion: 63 Resp: 391262

Ion Ratio Lower Upper

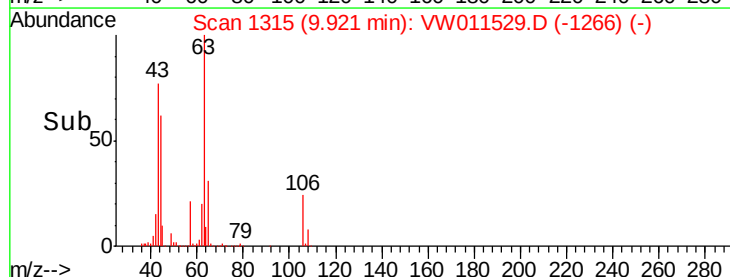
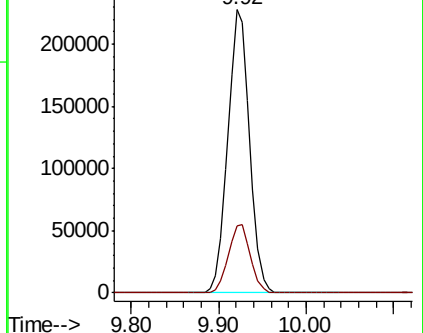
63 100

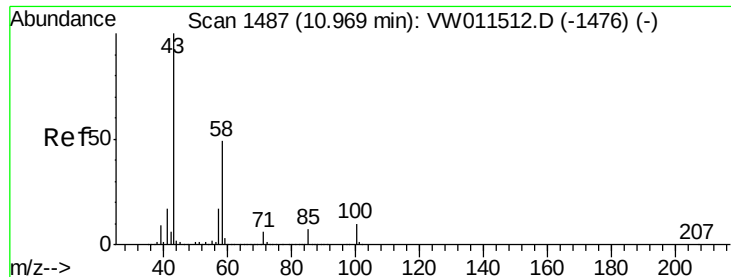
106 24.6 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

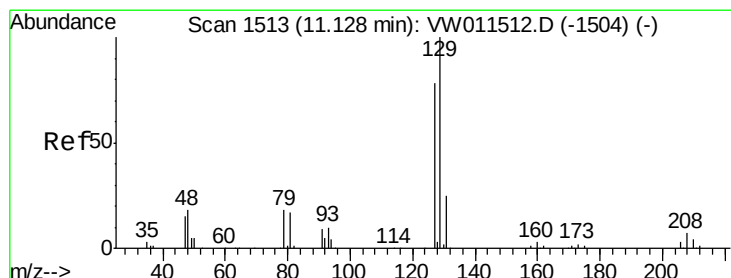
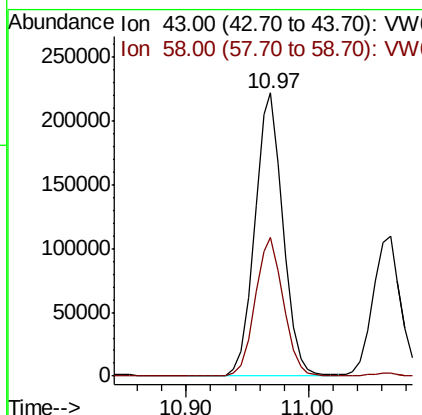
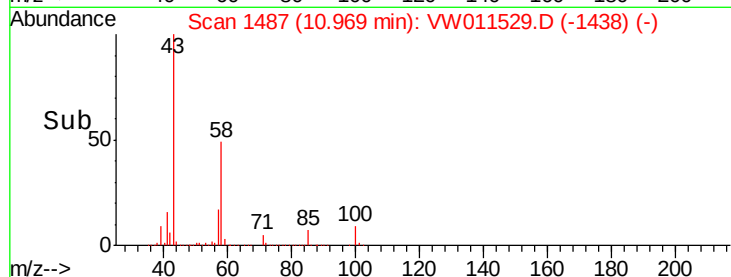
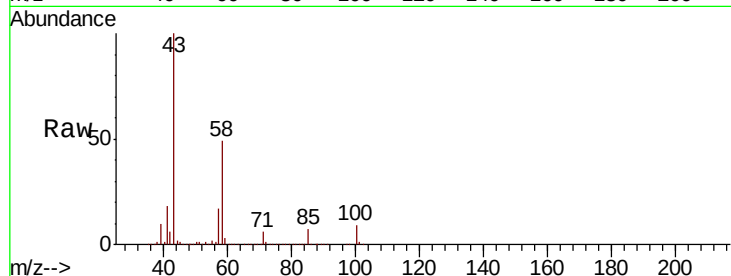




#59
2-Hexanone
Concen: 240.347 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

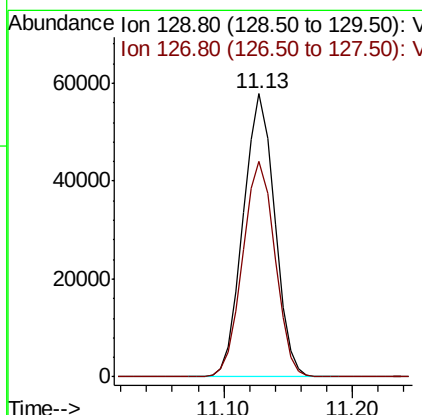
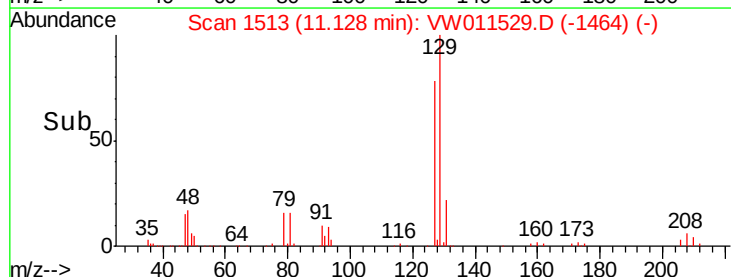
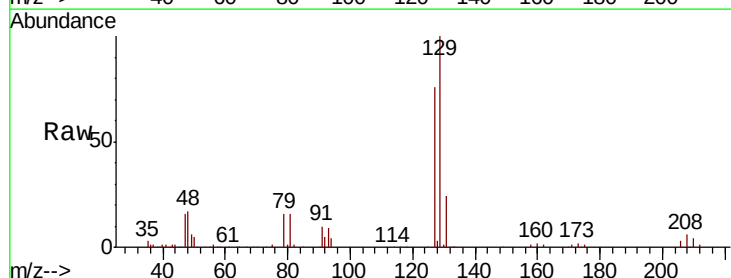
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

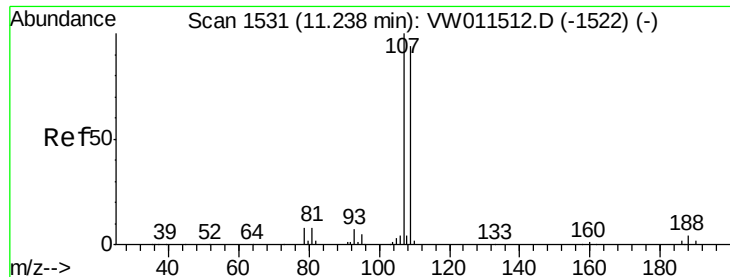
Tot Ion: 43 Resp: 356060
Ion Ratio Lower Upper
43 100
58 49.2 24.3 72.9



#60
Dibromochloromethane
Concen: 47.722 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion: 129 Resp: 98016
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7

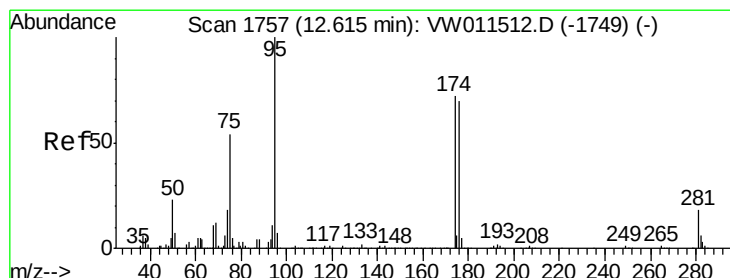
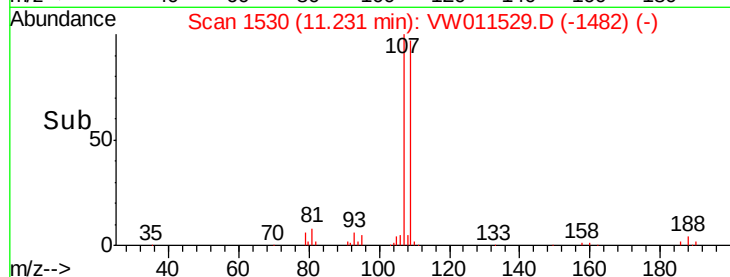
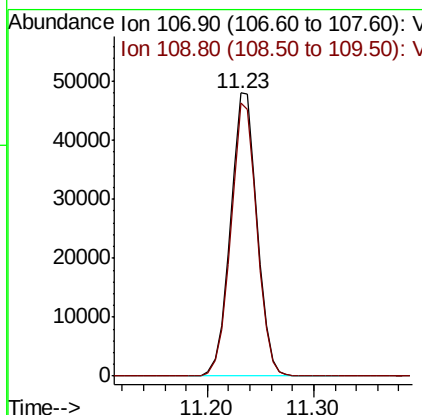
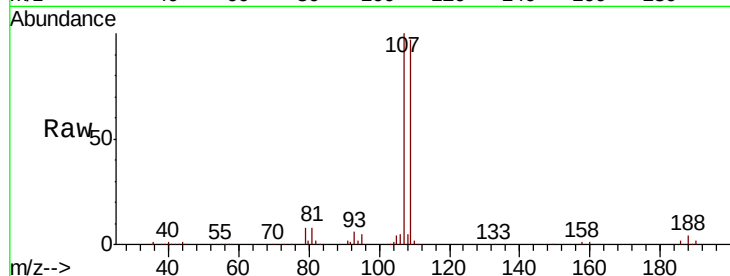




#61
 1,2-Dibromoethane
 Concen: 48.036 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

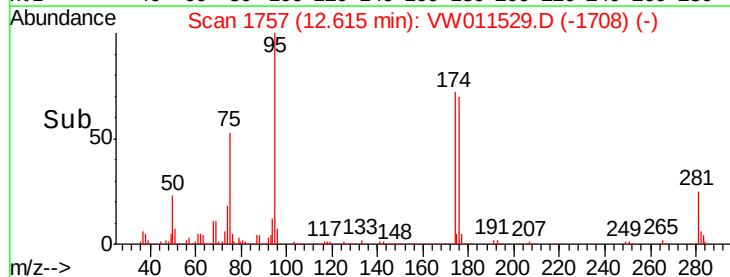
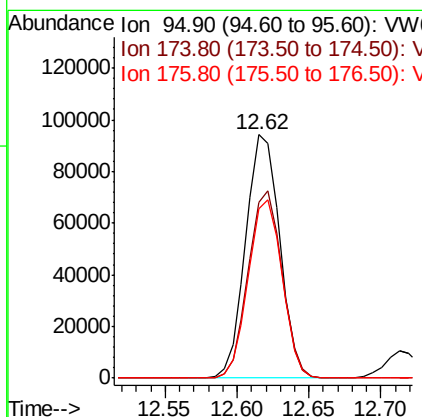
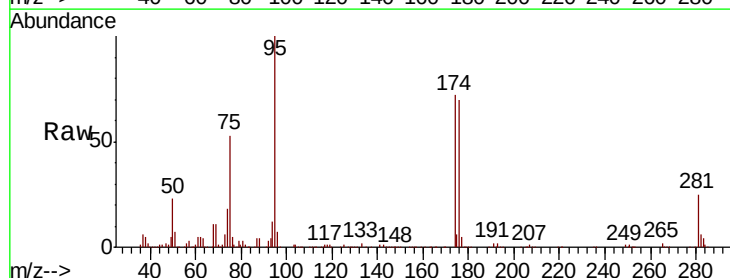
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

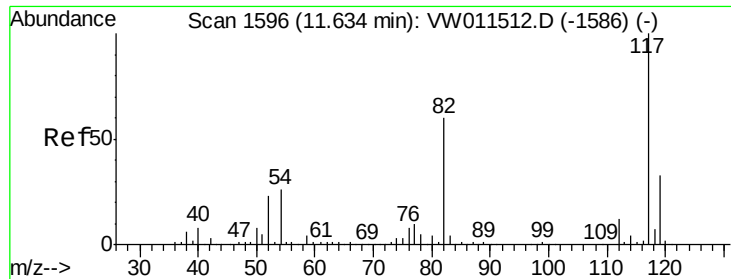
Tot Ion:107 Resp: 84114
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 51.342 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion: 95 Resp: 154154
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 150.2
 176 72.8 0.0 144.4

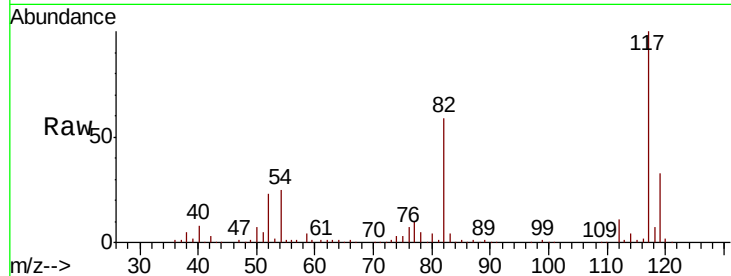




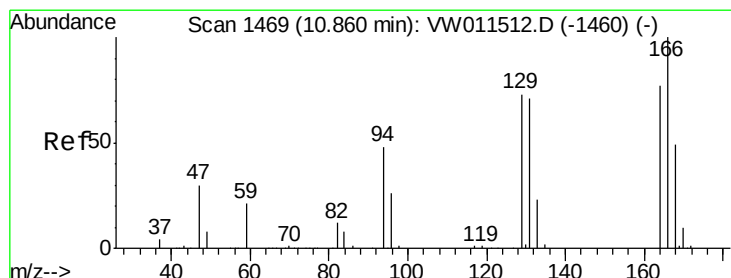
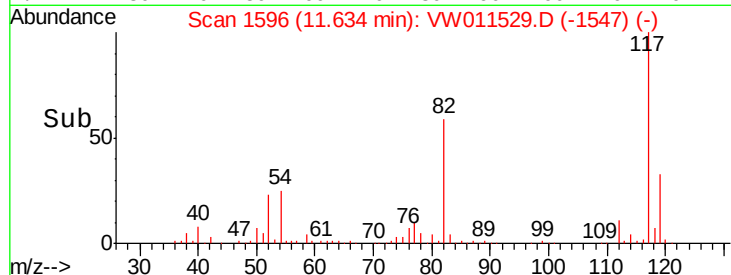
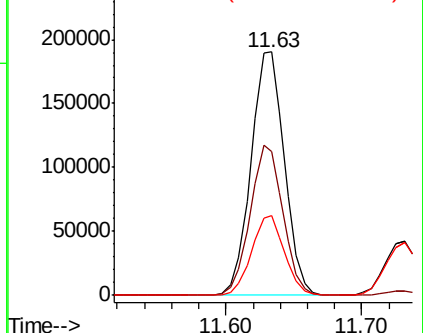
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 327988
Ion Ratio Lower Upper
117 100
82 59.2 47.9 71.9
119 32.7 26.2 39.2

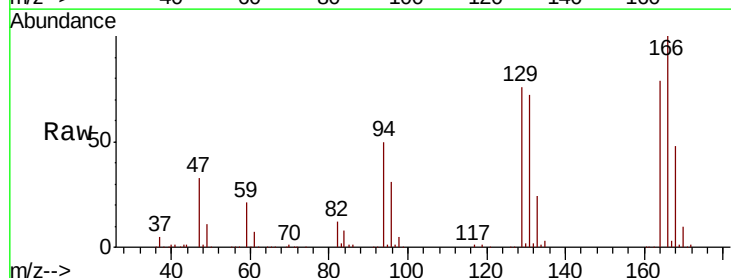


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

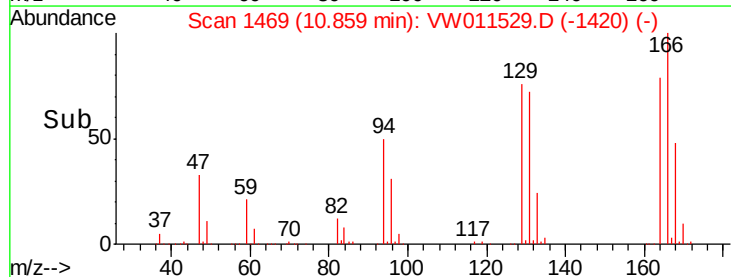
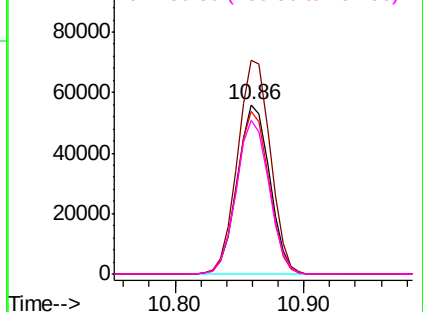


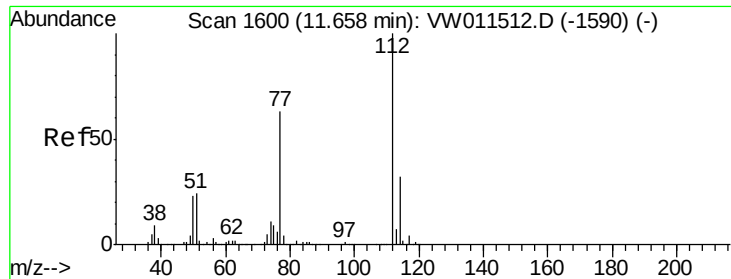
#64
Tetrachloroethene
Concen: 45.546 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion:164 Resp: 97266
Ion Ratio Lower Upper
164 100
166 126.2 103.5 155.3
129 96.4 75.2 112.8
131 90.7 73.4 110.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

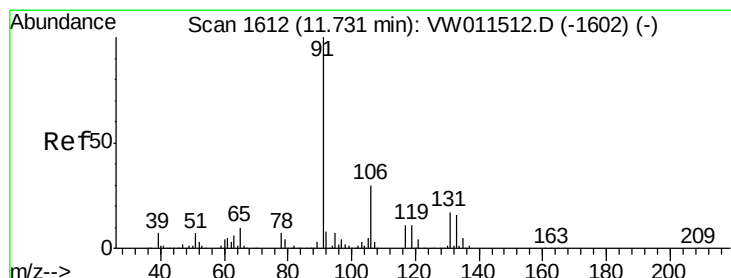
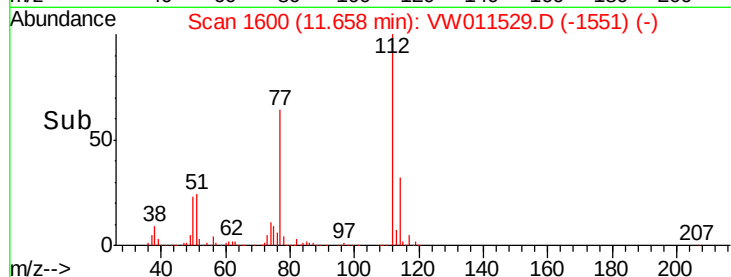
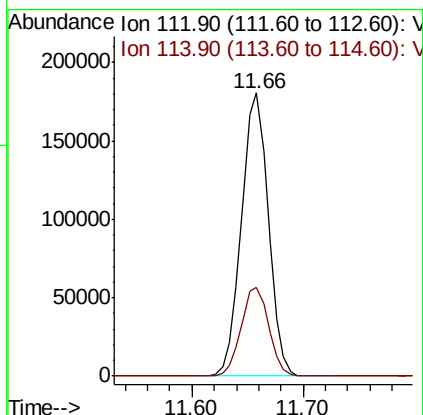
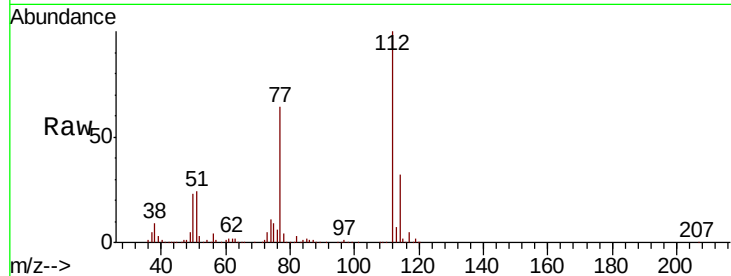




#65
Chlorobenzene
Concen: 45.989 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

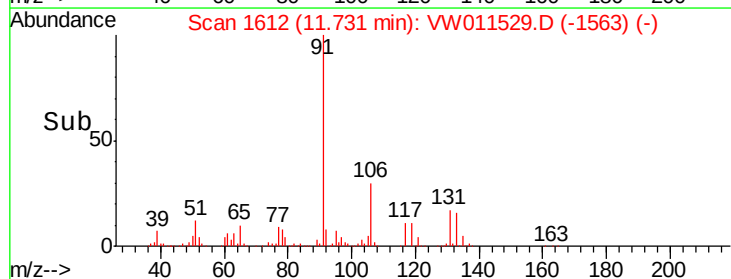
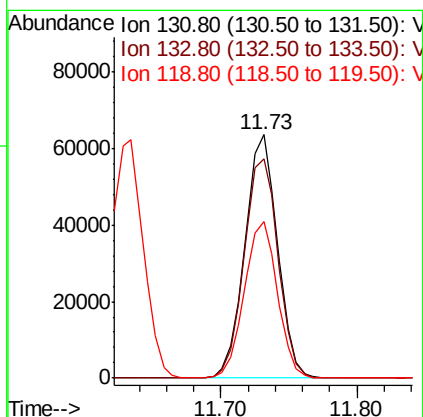
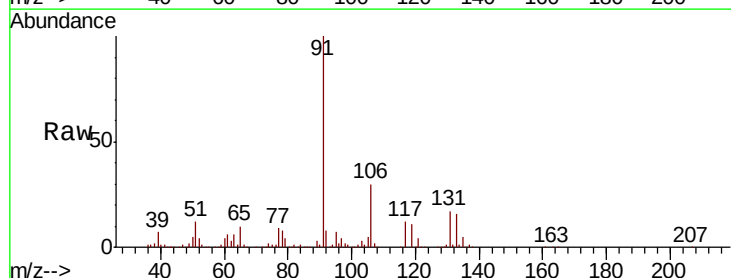
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

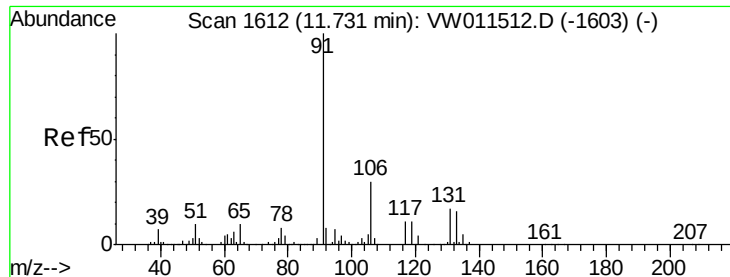
Tot Ion:112 Resp: 303259
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 46.633 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion:131 Resp: 107111
Ion Ratio Lower Upper
131 100
133 93.8 47.4 142.2
119 65.0 32.3 96.9

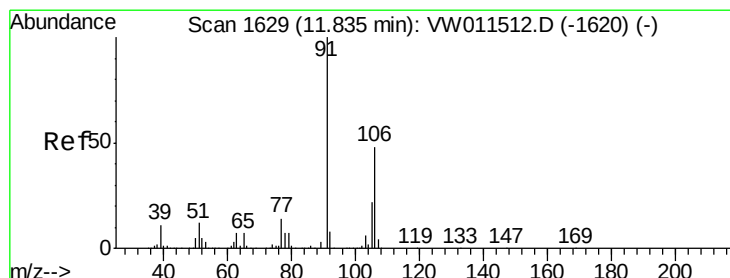
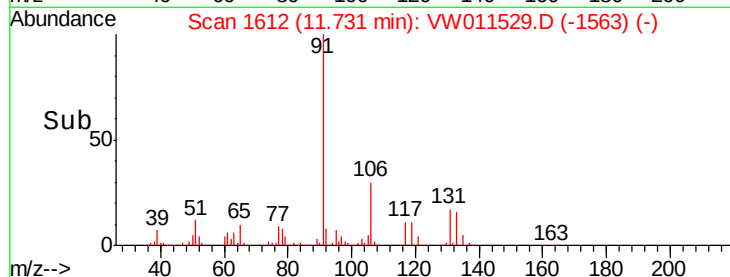
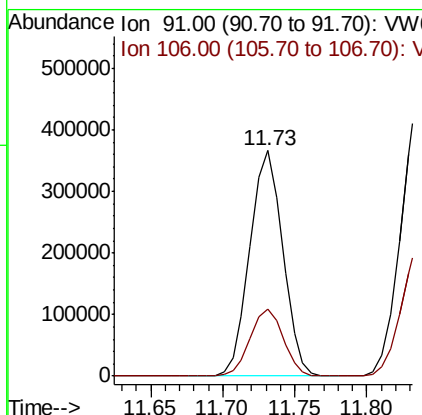
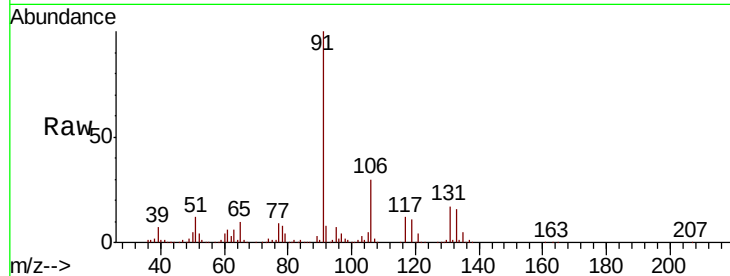




#67
Ethyl Benzene
Concen: 46.251 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

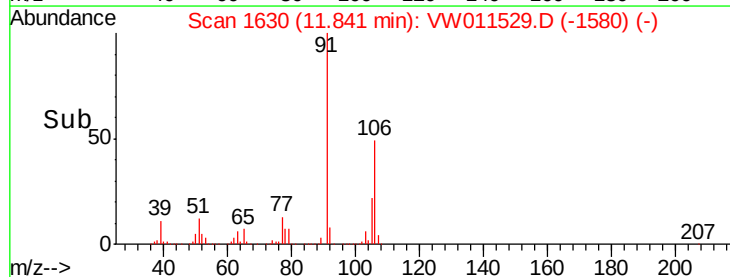
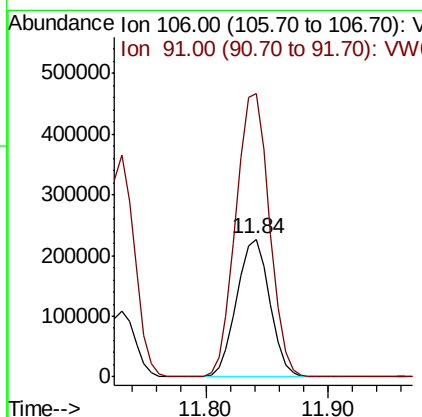
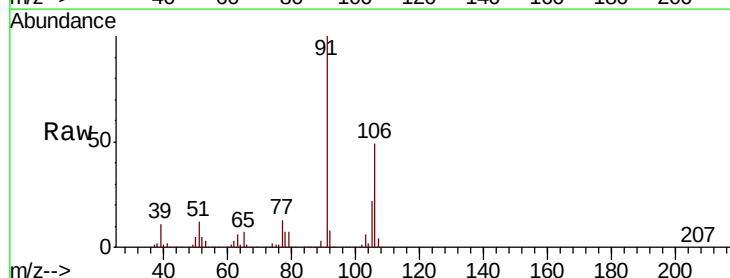
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

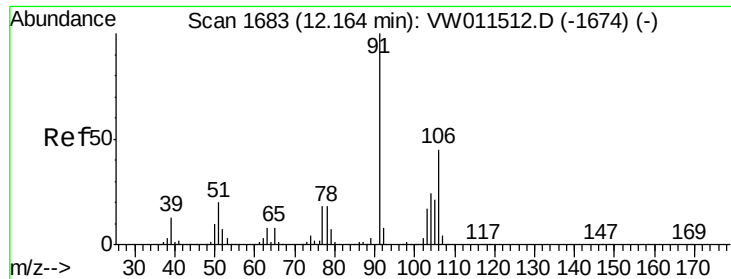
Tot Ion: 91 Resp: 580852
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6



#68
m/p-Xylenes
Concen: 93.075 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion: 106 Resp: 425097
Ion Ratio Lower Upper
106 100
91 209.0 168.2 252.2

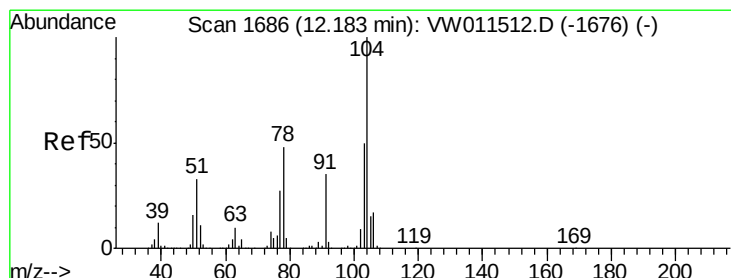
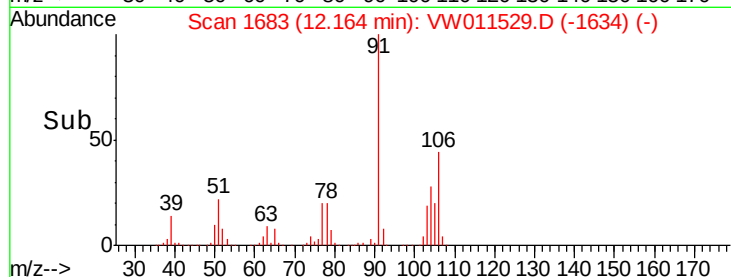
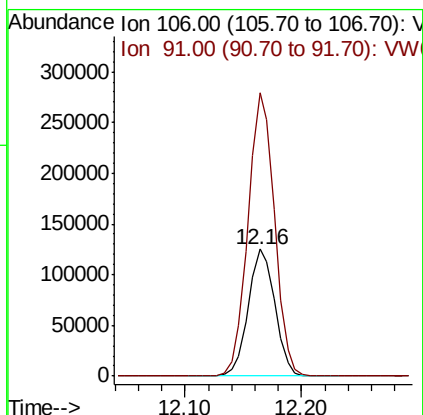
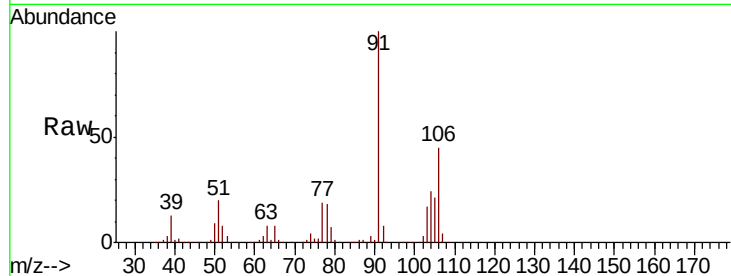




#69
o-Xylene
Concen: 47.132 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

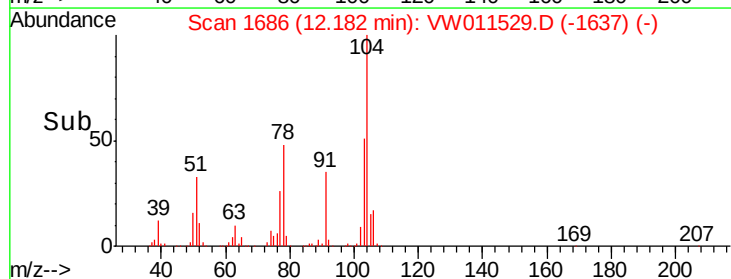
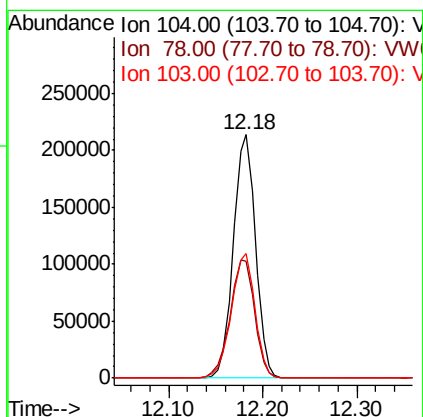
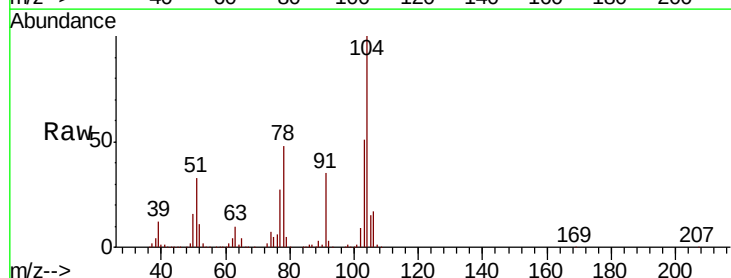
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

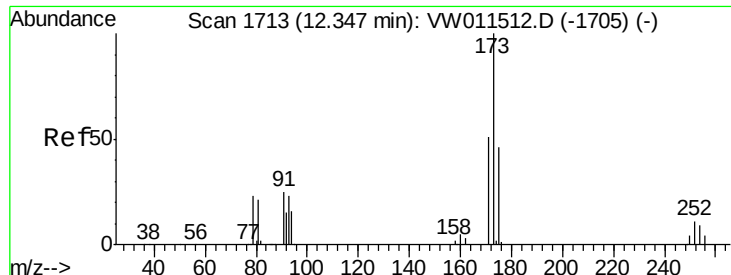
Tot Ion:106 Resp: 200035
Ion Ratio Lower Upper
106 100
91 222.0 110.5 331.5



#70
Styrene
Concen: 47.573 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion:104 Resp: 349099
Ion Ratio Lower Upper
104 100
78 53.9 43.4 65.0
103 54.8 43.9 65.9





#71

Bromoform

Concen: 47.380 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

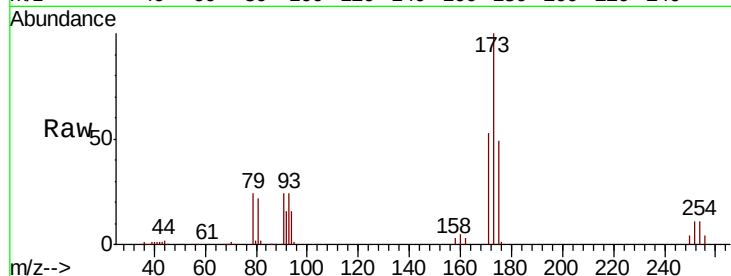
Tot Ion:173 Resp: 55486

Ion Ratio Lower Upper

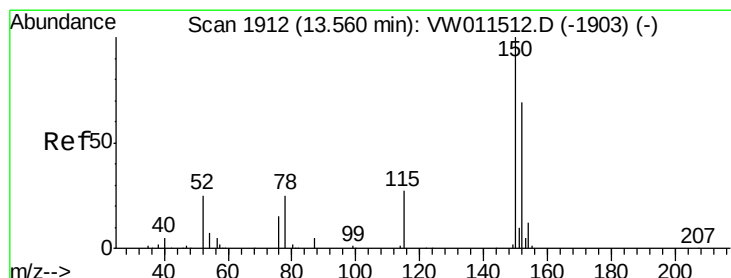
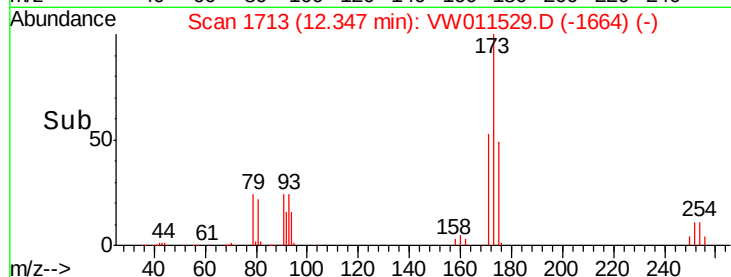
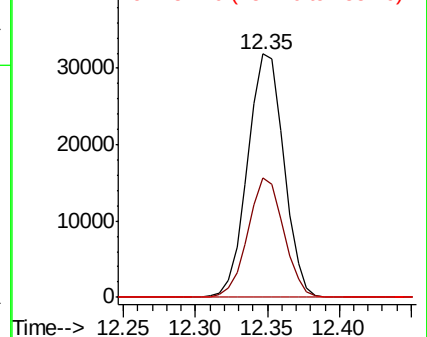
173 100

175 48.6 23.6 71.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

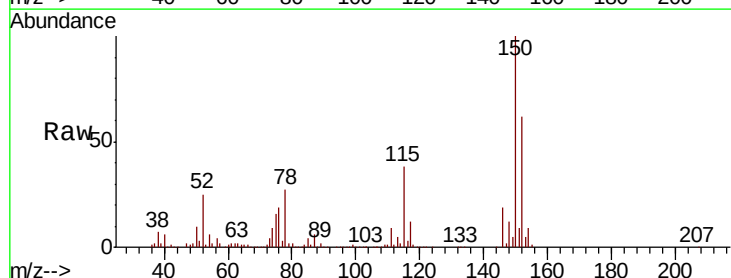
Tgt Ion:152 Resp: 158692

Ion Ratio Lower Upper

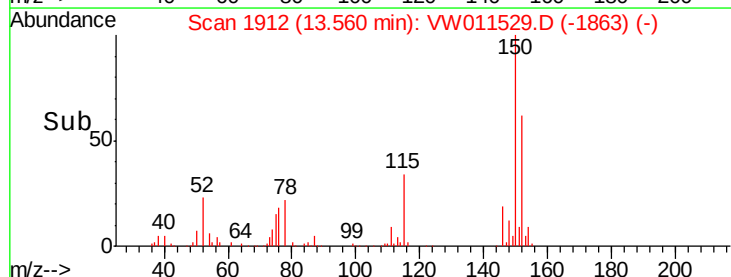
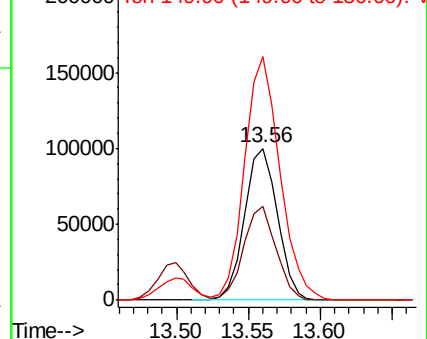
152 100

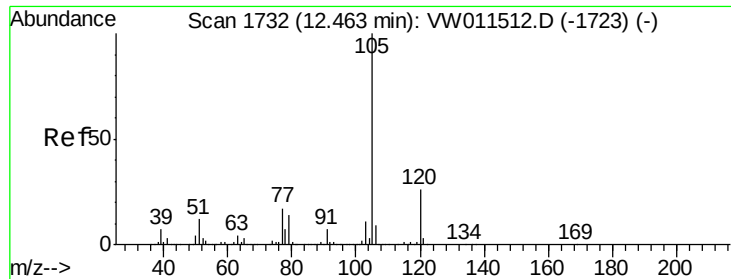
115 60.6 30.5 91.5

150 172.2 0.0 352.6



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





#73

Isopropylbenzene

Concen: 46.076 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

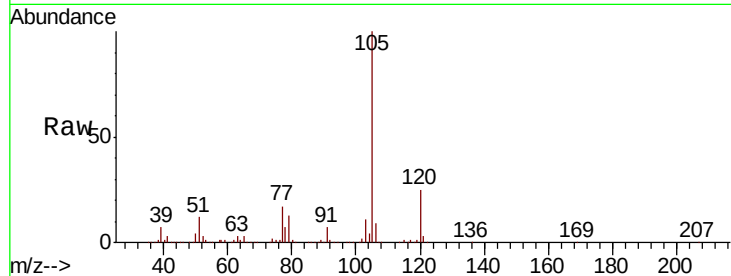
VSTDCCC050EC

Tot Ion:105 Resp: 545485

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

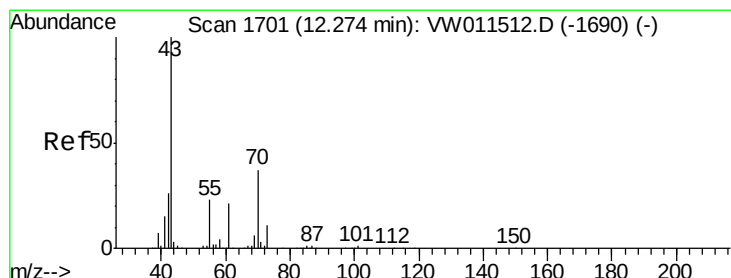
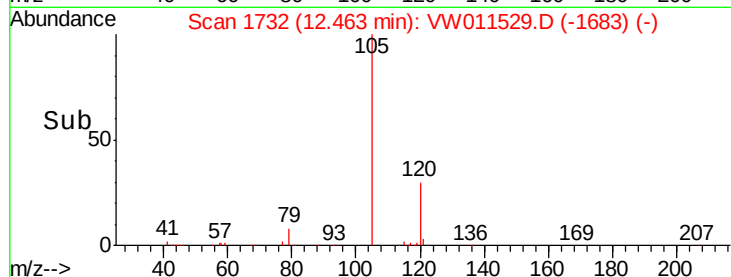
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.489 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion: 43 Resp: 183427

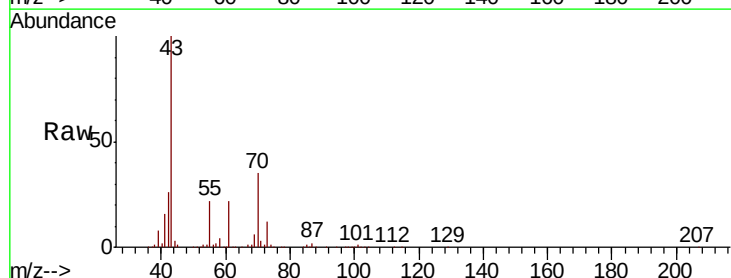
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 21.7 17.8 26.8

61 21.4 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

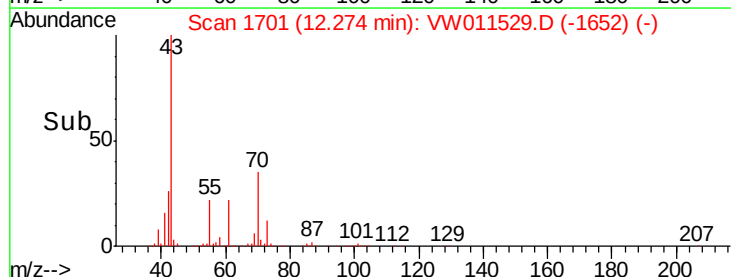
150000

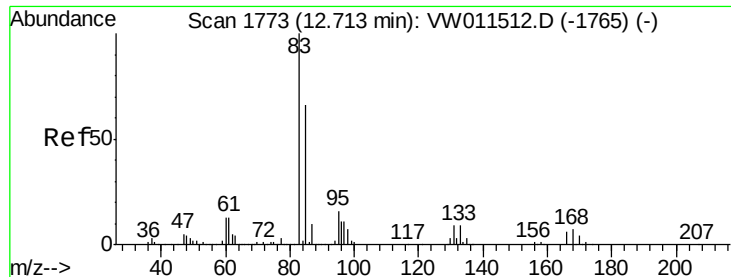
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.930 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

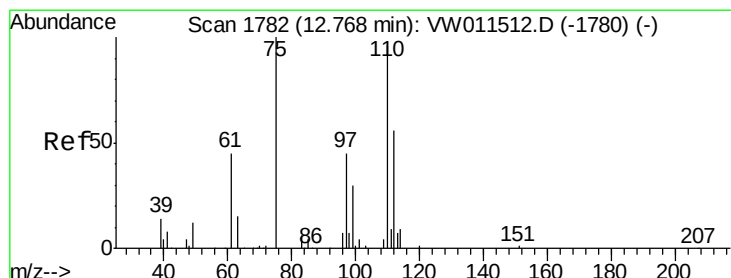
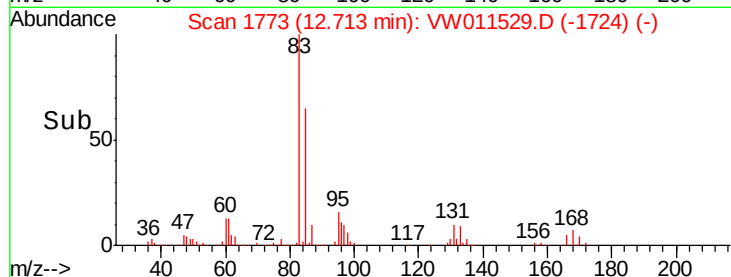
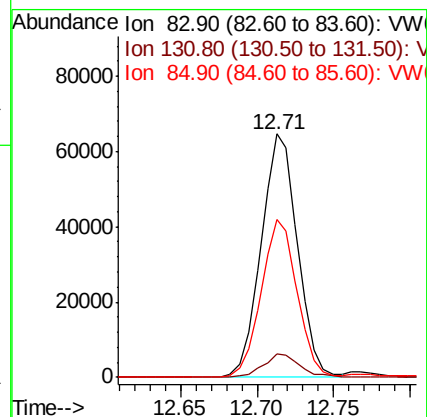
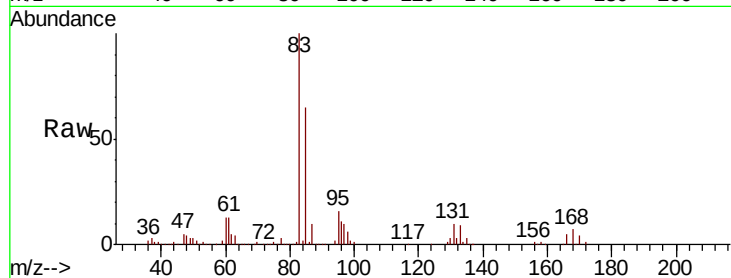
Tot Ion: 83 Resp: 106733

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

85 64.3 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 83.912 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011529.D

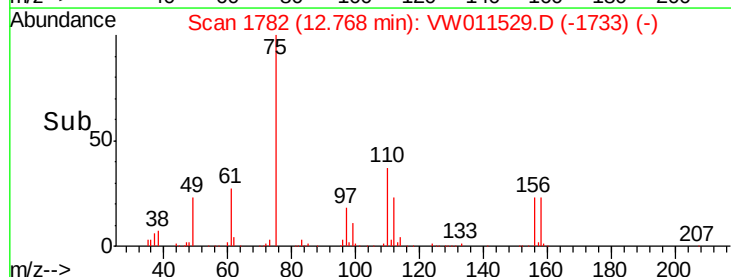
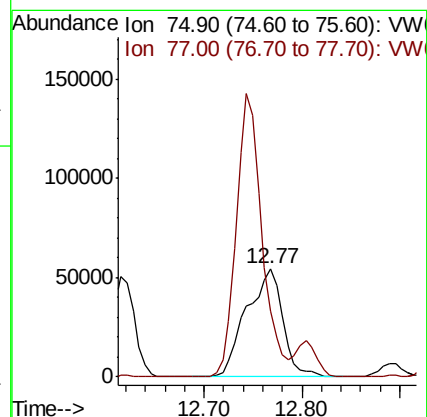
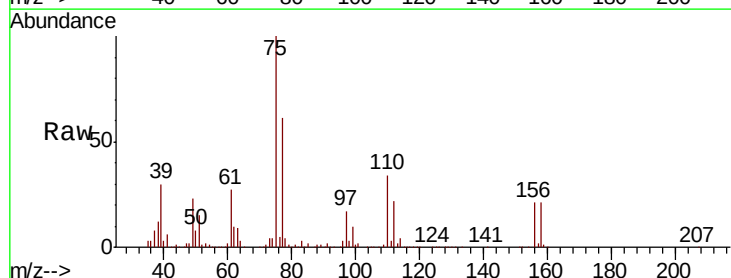
Acq: 26 Jul 2019 20:58

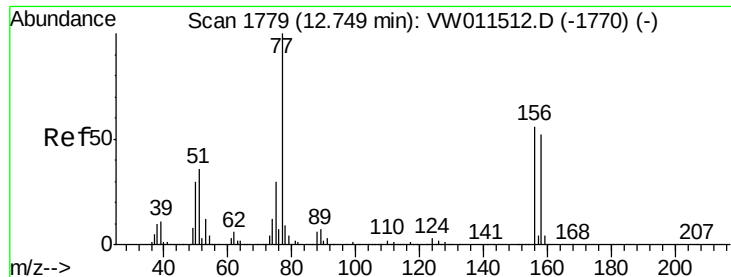
Tgt Ion: 75 Resp: 140900

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.956 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

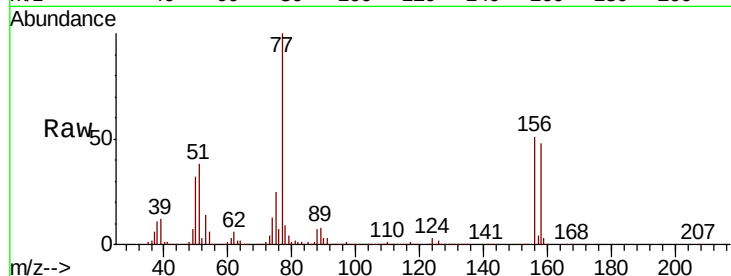
Tot Ion:156 Resp: 122872

Ion Ratio Lower Upper

156 100

77 211.9 106.5 319.4

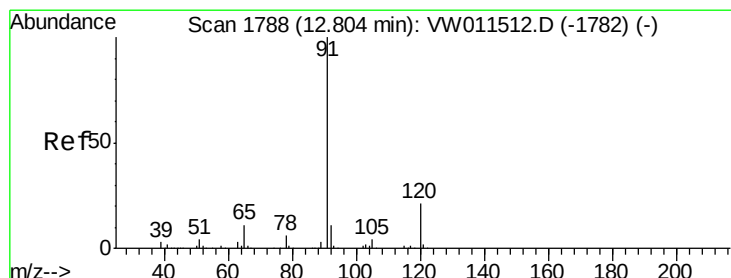
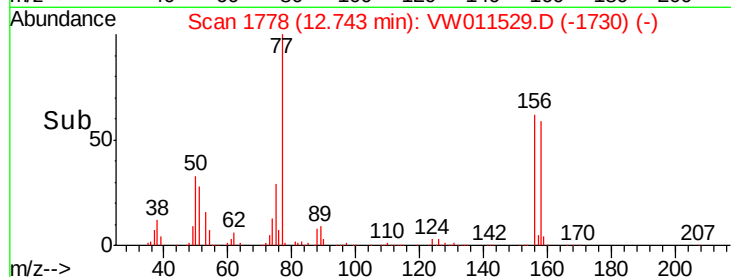
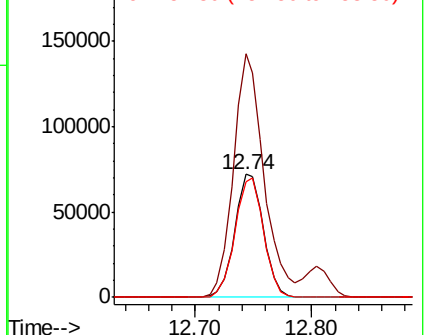
158 97.3 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.297 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011529.D

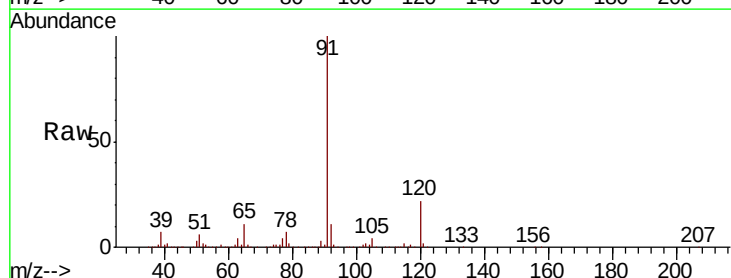
Acq: 26 Jul 2019 20:58

Tgt Ion: 91 Resp: 667040

Ion Ratio Lower Upper

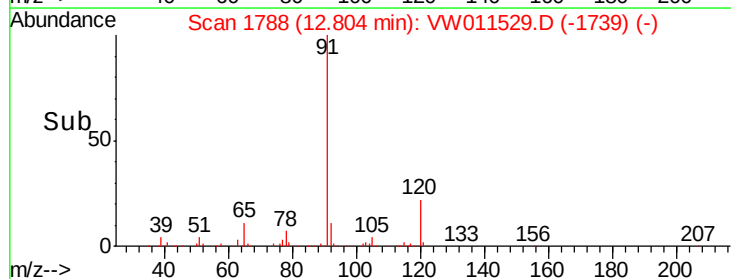
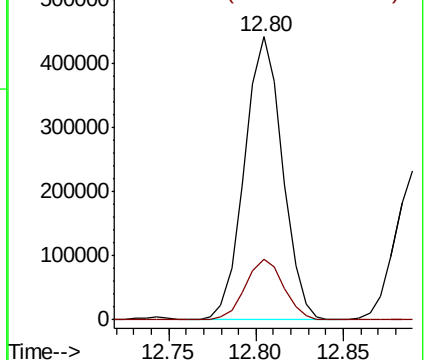
91 100

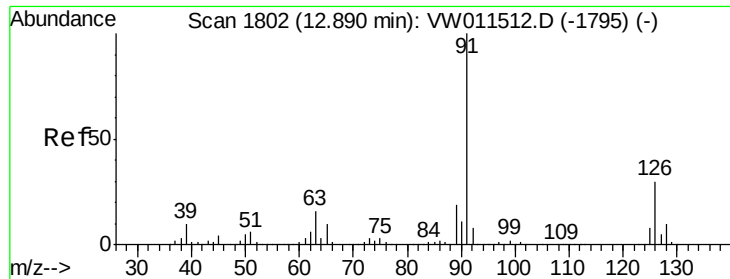
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

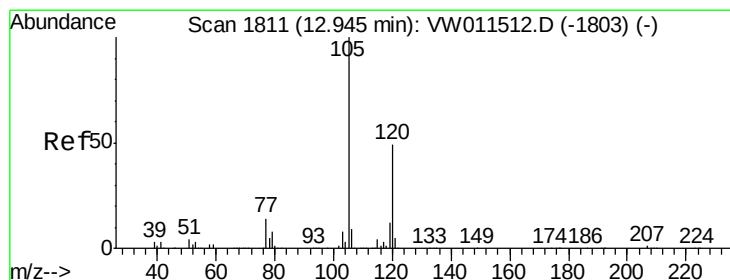
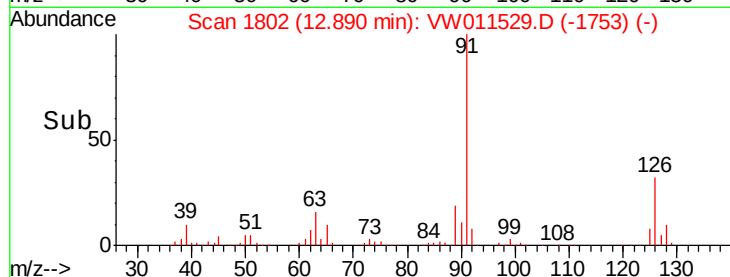
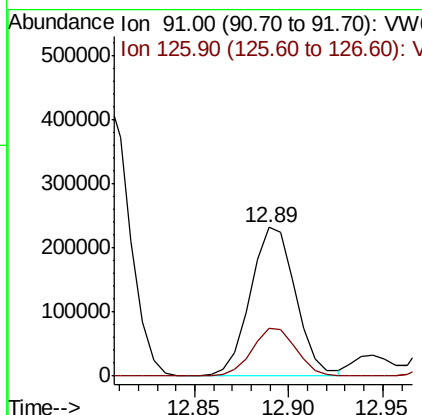
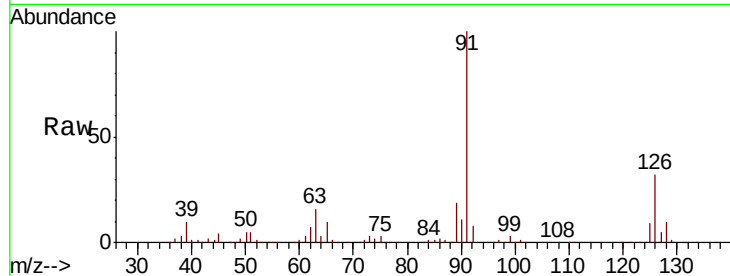




#79
 2-Chlorotoluene
 Concen: 46.583 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

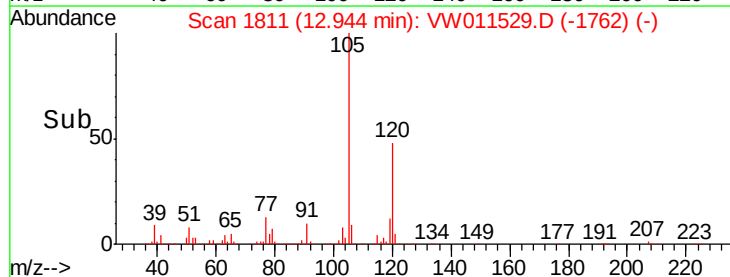
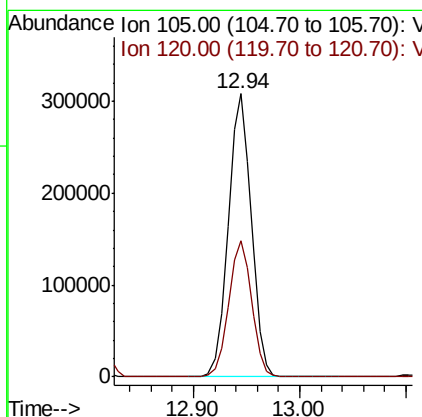
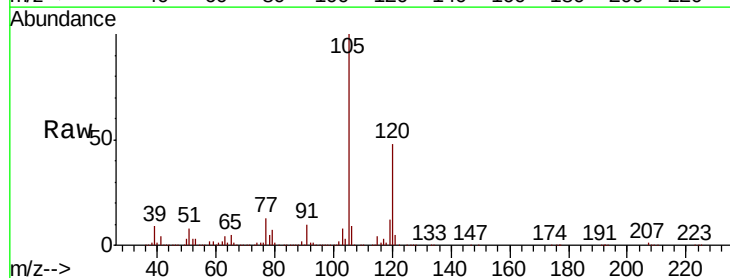
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

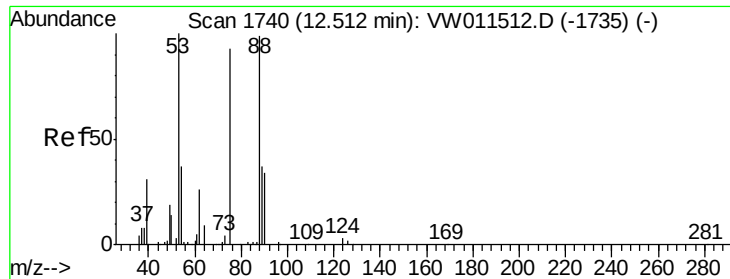
Tot Ion: 91 Resp: 386661
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 46.874 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion: 105 Resp: 465170
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.3

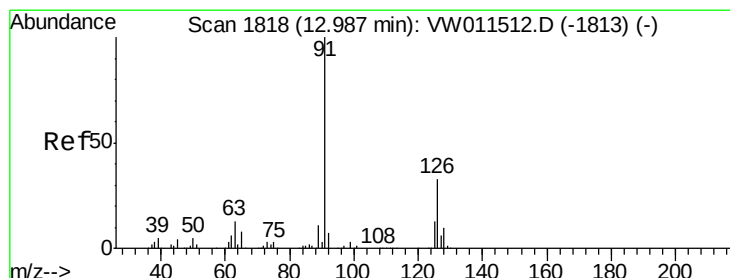
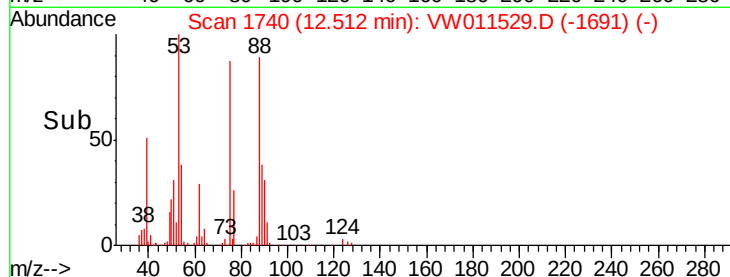
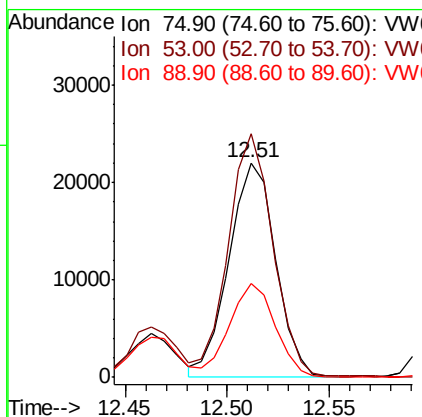
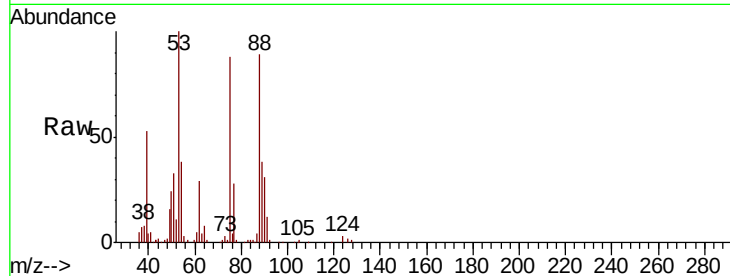




#81
trans-1,4-Dichloro-2-butene
Concen: 47.681 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

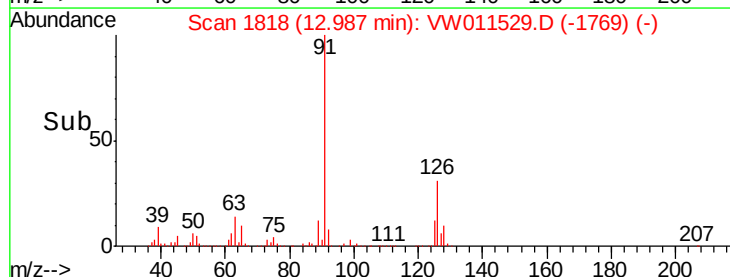
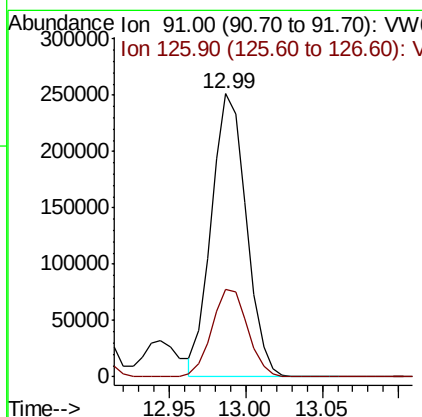
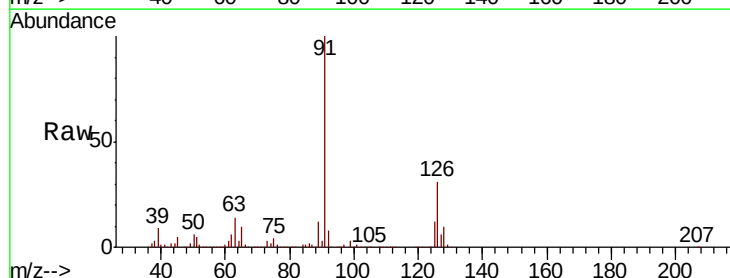
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

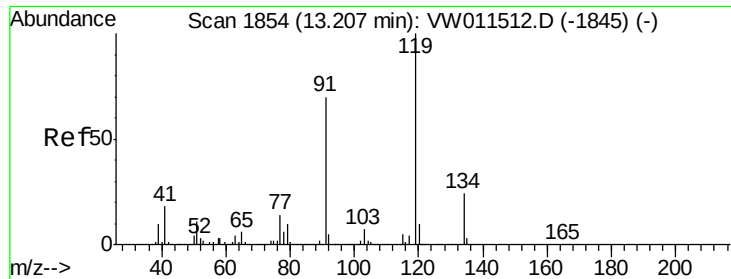
Tot Ion: 75 Resp: 34740
Ion Ratio Lower Upper
75 100
53 108.5 88.0 132.0
89 42.8 35.3 52.9



#82
4-Chlorotoluene
Concen: 45.614 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion: 91 Resp: 397241
Ion Ratio Lower Upper
91 100
126 31.8 15.6 46.8

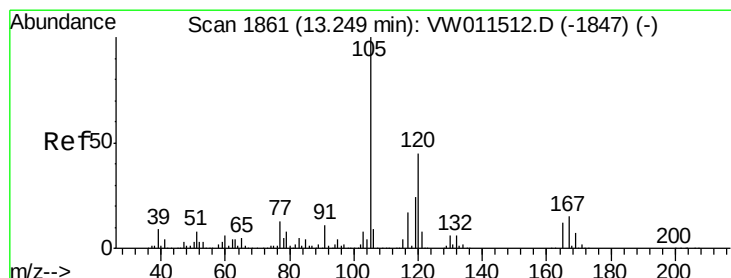
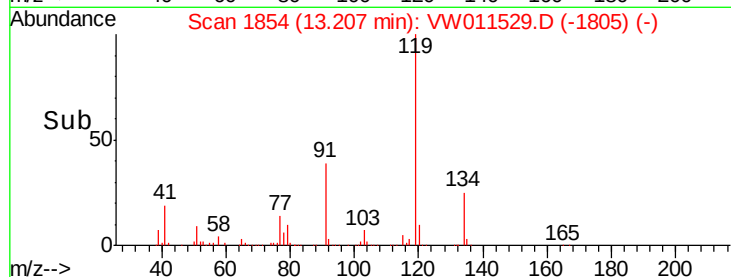
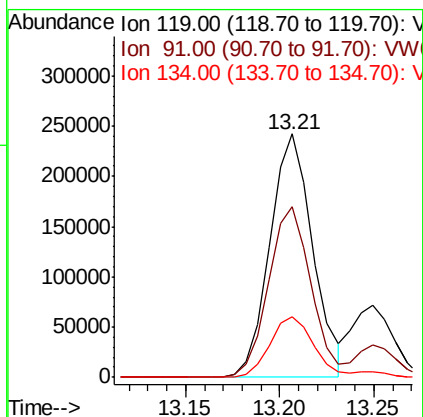
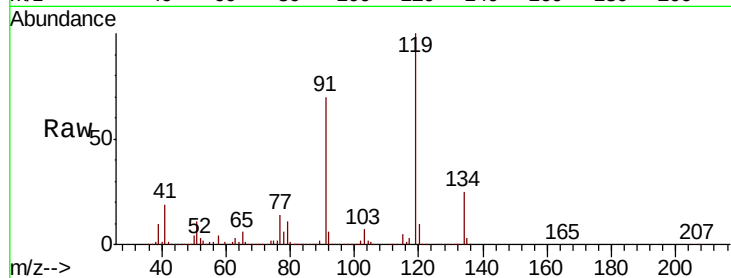




#83
tert-Butylbenzene
Concen: 46.131 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

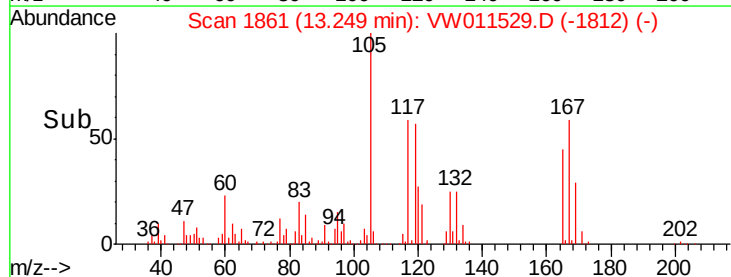
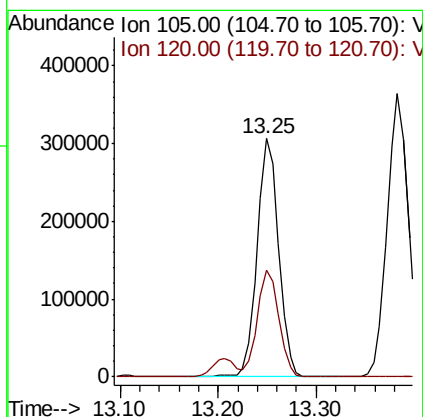
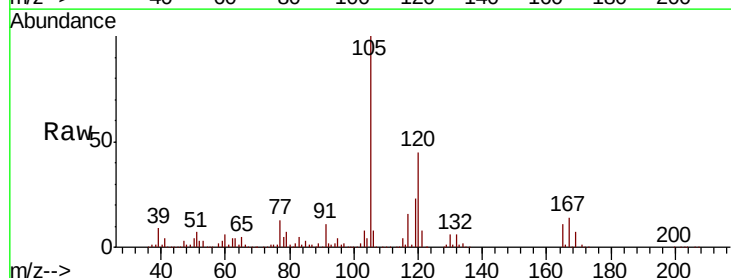
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

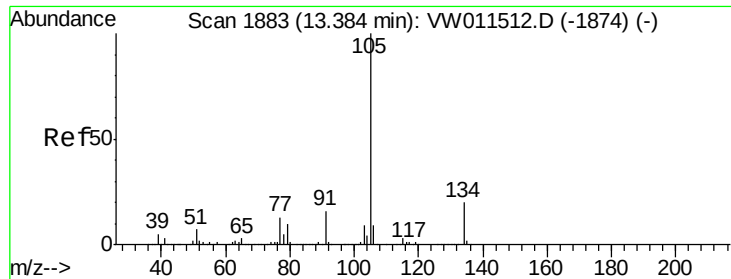
Tot Ion:119 Resp: 382830
Ion Ratio Lower Upper
119 100
91 69.0 34.5 103.6
134 25.3 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 46.772 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion:105 Resp: 467579
Ion Ratio Lower Upper
105 100
120 44.6 22.1 66.5

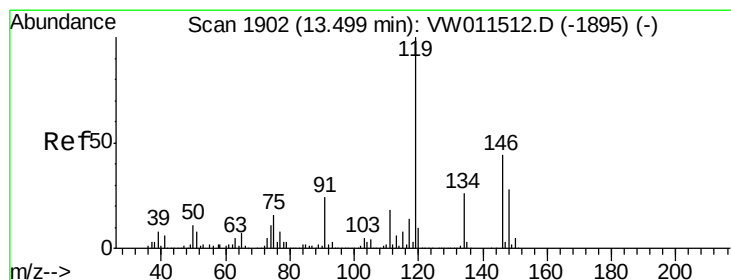
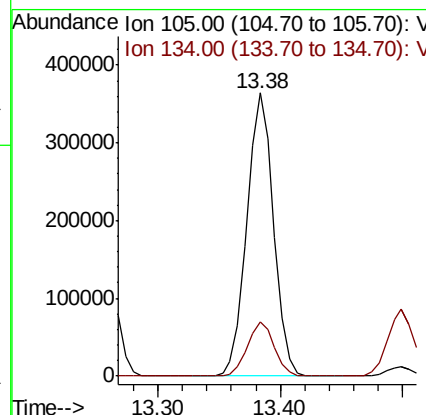
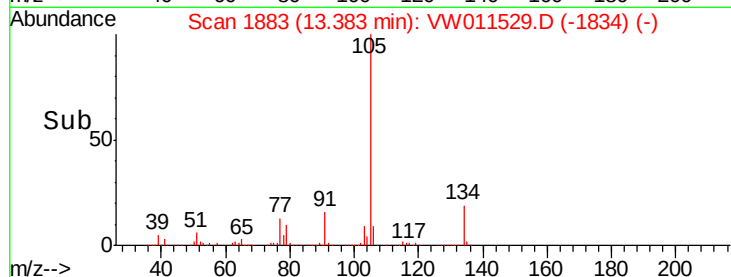
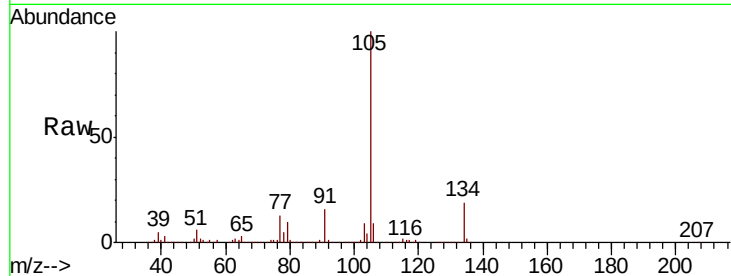




#85
 sec-Butylbenzene
 Concen: 46.453 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

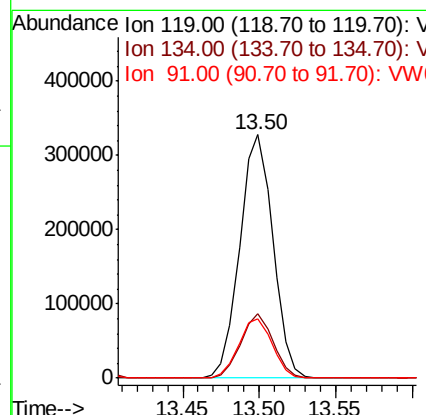
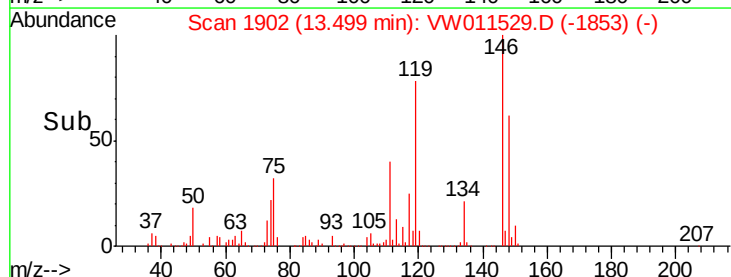
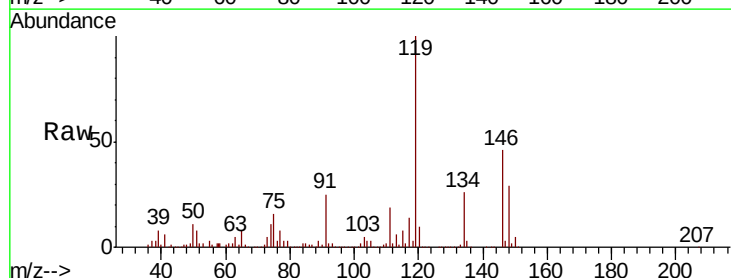
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

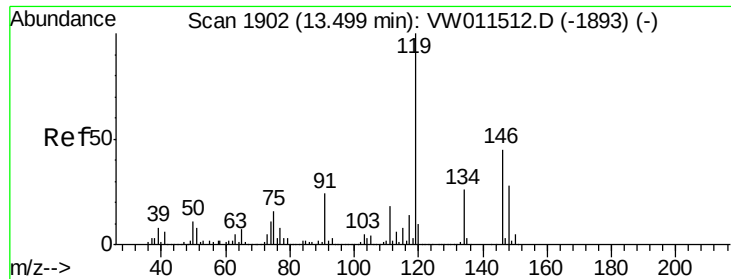
Tot Ion:105 Resp: 550061
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 45.937 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion:119 Resp: 493536
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 24.5 12.1 36.3

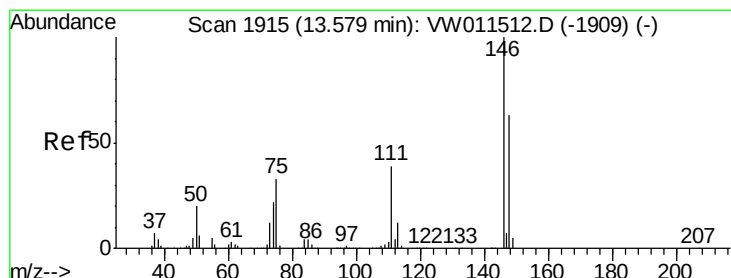
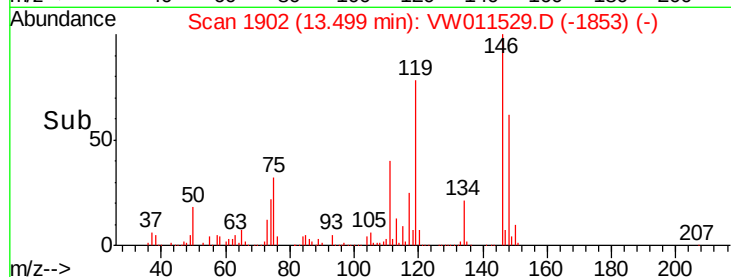
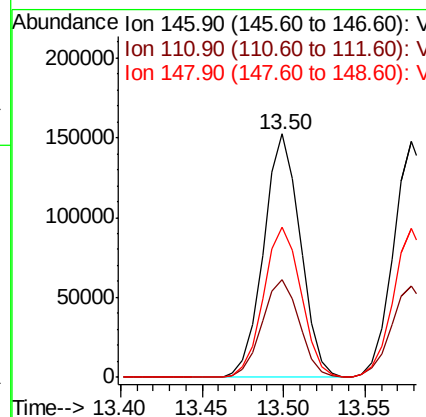
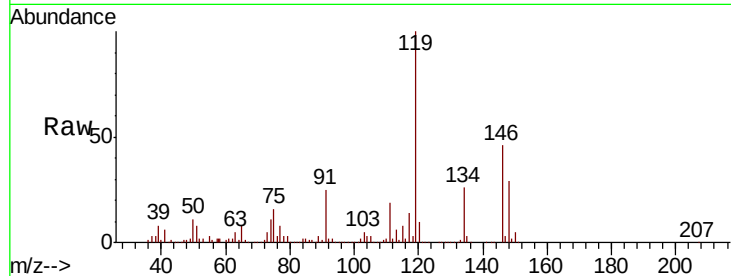




#87
 1,3-Dichlorobenzene
 Concen: 46.454 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

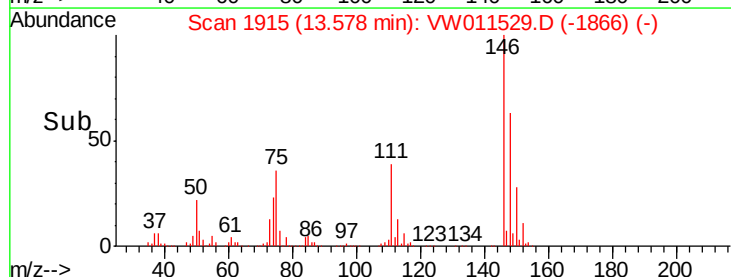
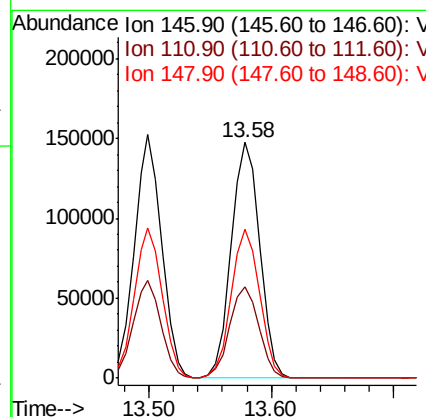
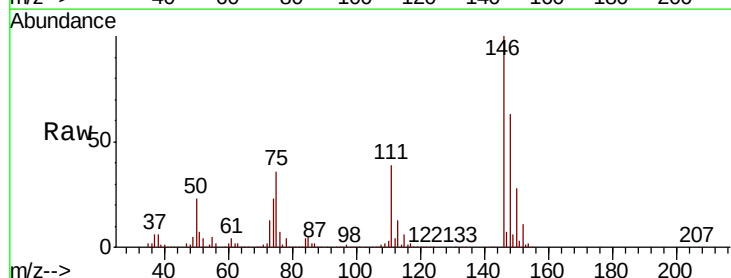
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

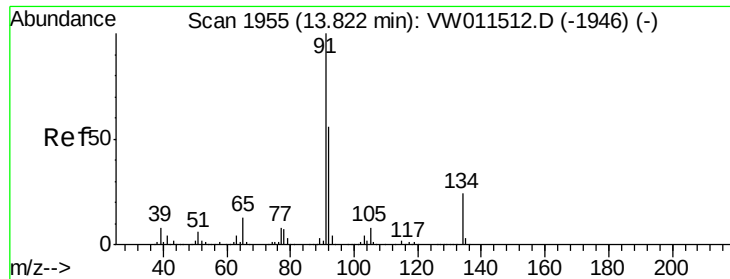
Tot Ion:146 Resp: 238351
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.5 61.6
 148 63.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 46.342 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion:146 Resp: 236527
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.1 60.2
 148 62.8 31.9 95.9

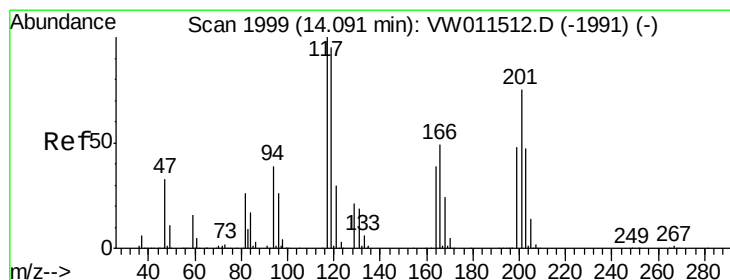
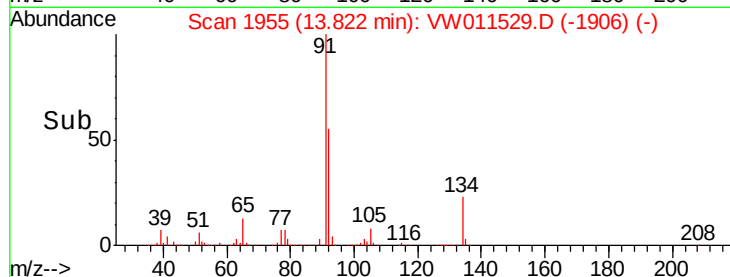
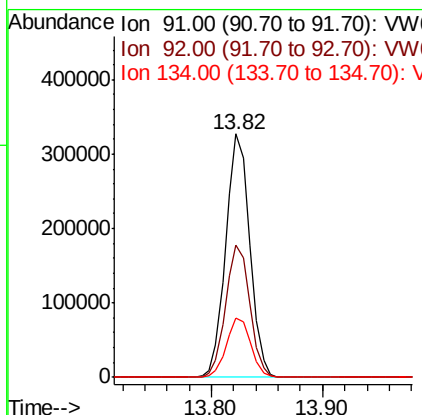
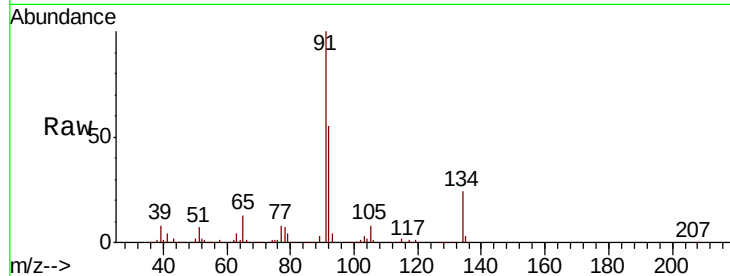




#89
n-Butylbenzene
Concen: 45.574 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

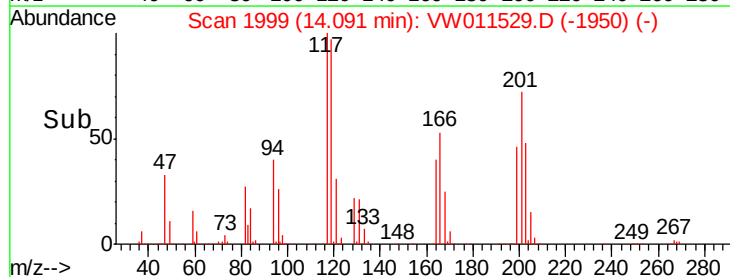
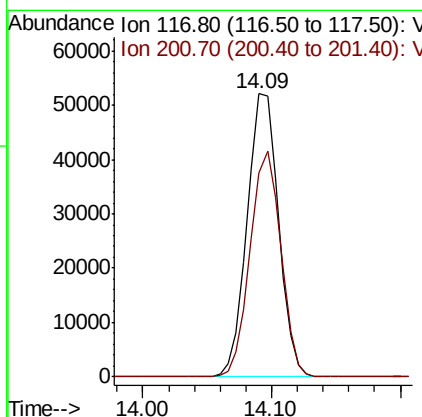
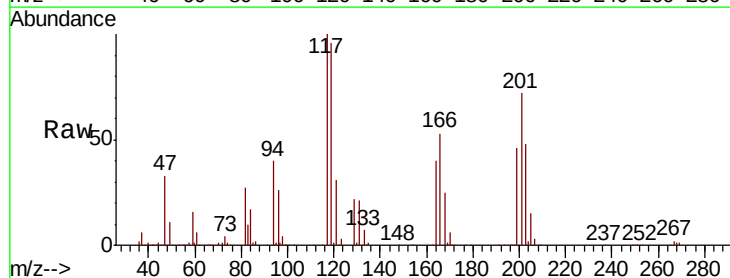
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

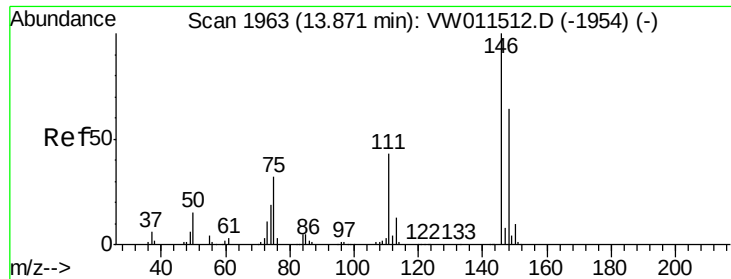
Tot Ion: 91 Resp: 488630
Ion Ratio Lower Upper
91 100
92 54.6 27.5 82.4
134 24.5 12.2 36.6



#90
Hexachloroethane
Concen: 46.113 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion: 117 Resp: 87606
Ion Ratio Lower Upper
117 100
201 78.1 39.4 118.2

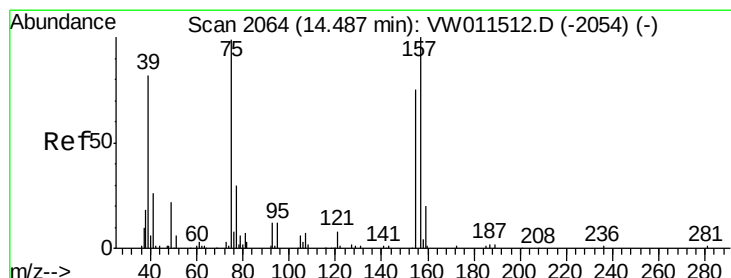
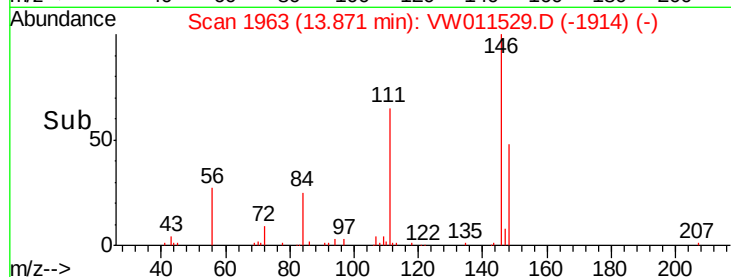
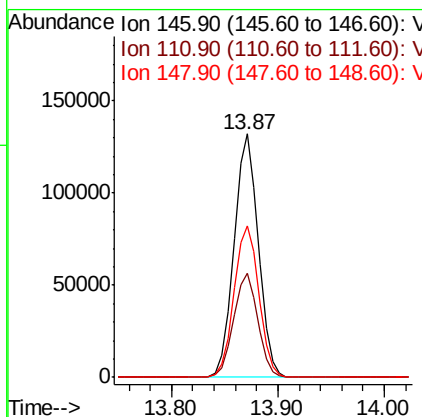
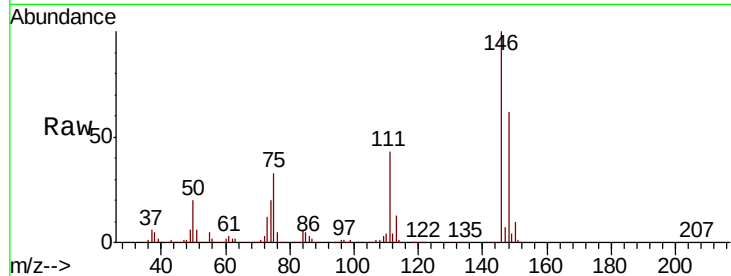




#91
 1,2-Dichlorobenzene
 Concen: 46.573 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

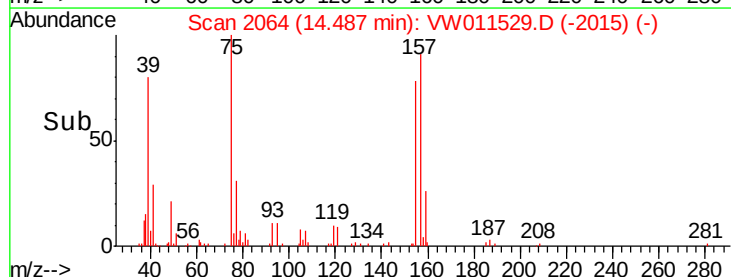
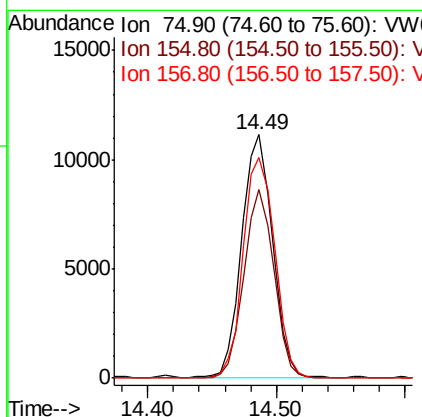
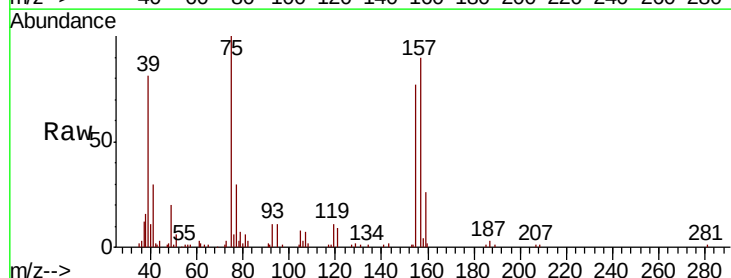
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

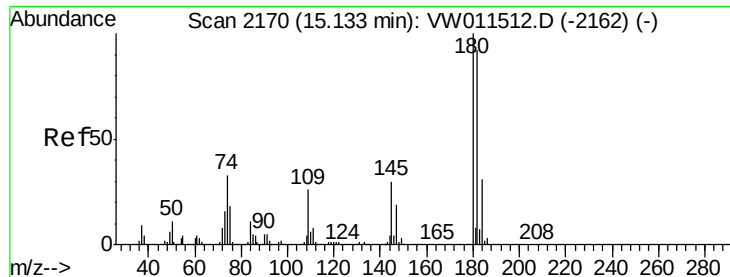
Tot Ion:146 Resp: 211347
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.6 65.0
 148 63.7 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.855 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion: 75 Resp: 18552
 Ion Ratio Lower Upper
 75 100
 155 74.6 38.2 114.6
 157 92.1 48.9 146.7

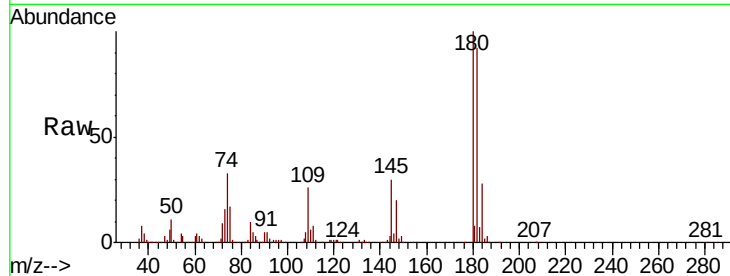




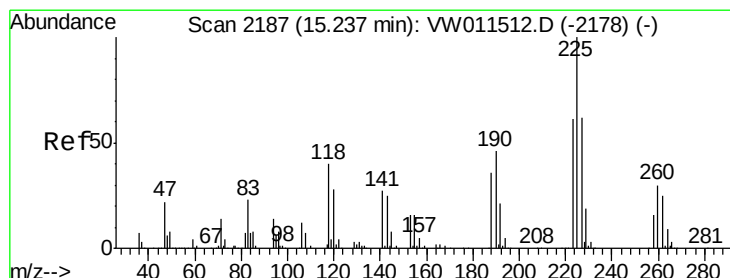
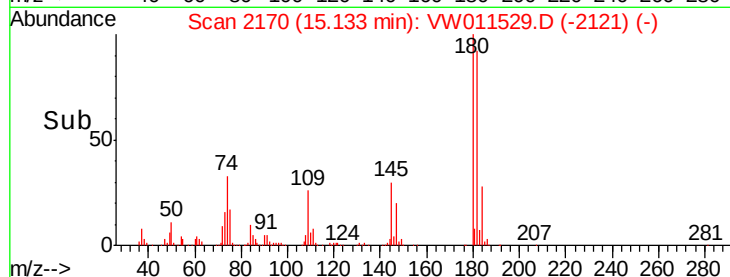
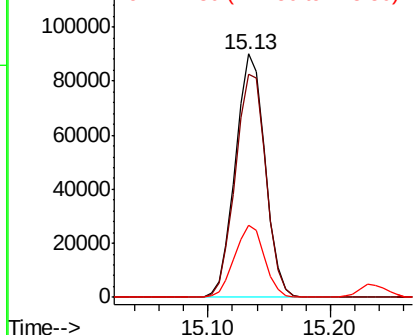
#93
 1,2,4-Trichlorobenzene
 Concen: 47.061 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 150512
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.4 142.2
 145 29.9 15.4 46.1

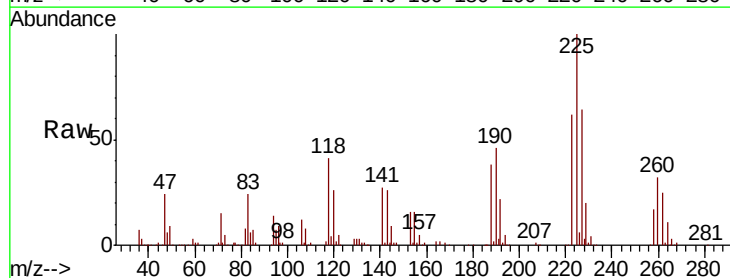


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

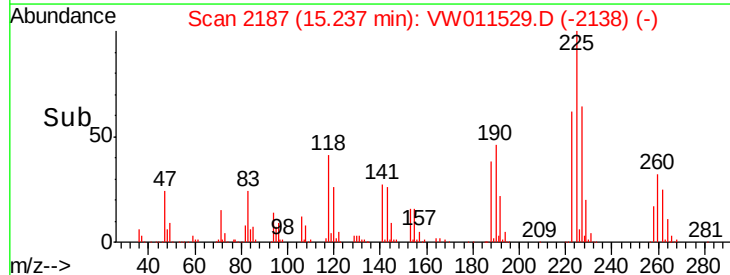
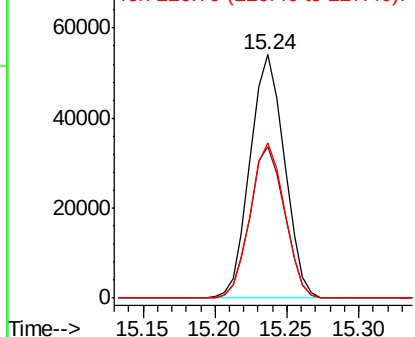


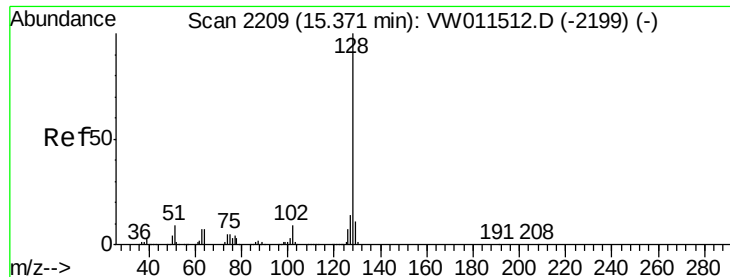
#94
 Hexachlorobutadiene
 Concen: 44.907 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion:225 Resp: 89566
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.8 92.3
 227 63.5 31.6 94.7



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

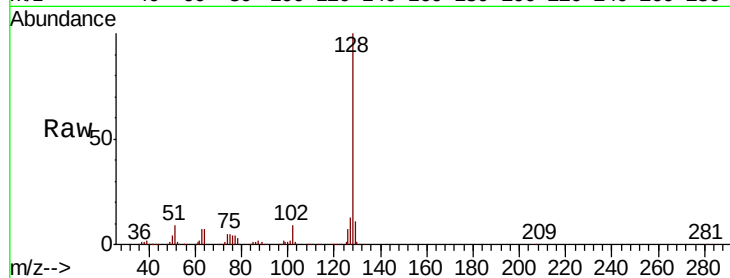




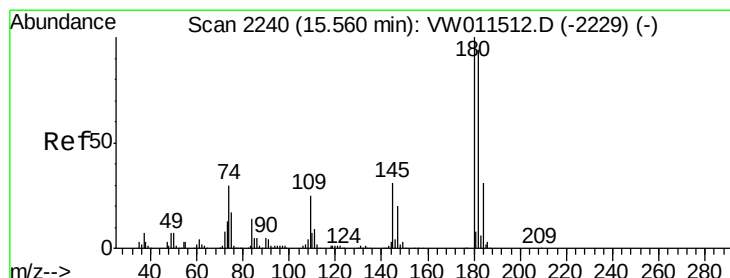
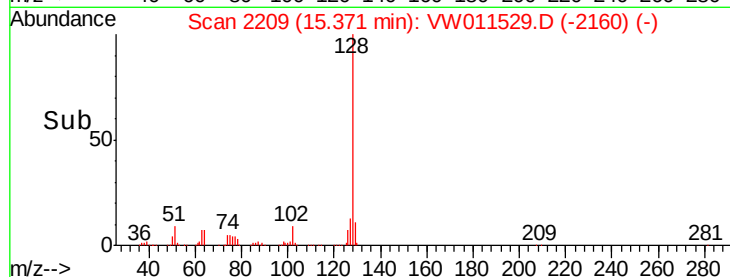
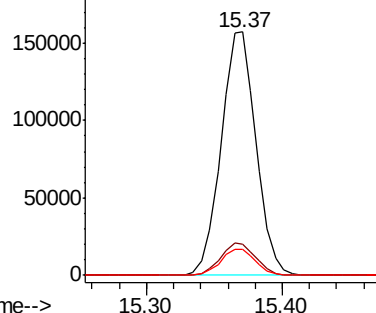
#95
Naphthalene
Concen: 45.252 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 282215
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.0 8.6 13.0

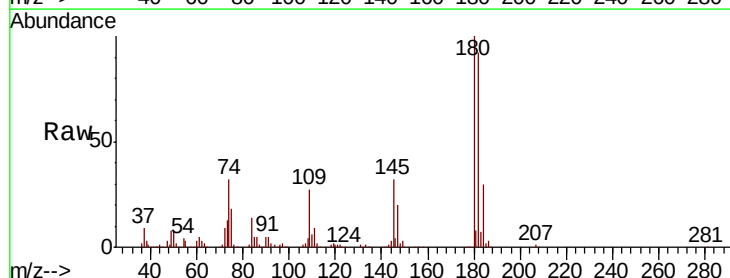


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 46.904 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion:180 Resp: 131492
Ion Ratio Lower Upper
180 100
182 95.3 47.4 142.2
145 31.6 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

