

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011996.D
 Acq On : 19 Aug 2019 17:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 19 19:19:20 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	264507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	423559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	179852	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	153884	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
35) Dibromofluoromethane	7.88	113	128065	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
50) Toluene-d8	10.32	98	519389	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	12.62	95	186510	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	68477	46.452	ug/l	93
3) Chloromethane	2.21	50	114257	44.698	ug/l	97
4) Vinyl Chloride	2.36	62	148603	48.288	ug/l	100
5) Bromomethane	2.78	94	79660	46.765	ug/l	98
6) Chloroethane	2.92	64	87385	49.710	ug/l	94
7) Trichlorofluoromethane	3.25	101	75803	55.115	ug/l	98
8) Diethyl Ether	3.68	74	77278	49.556	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	136861	52.457	ug/l	99
10) Methyl Iodide	4.27	142	185693	50.364	ug/l	99
11) Tert butyl alcohol	5.17	59	54604	243.112	ug/l	100
12) 1,1-Dichloroethene	4.04	96	137400	49.878	ug/l	96
13) Acrolein	3.89	56	46985	215.593	ug/l	99
14) Allyl chloride	4.67	41	297918	50.848	ug/l	99
15) Acrylonitrile	5.37	53	197214	253.347	ug/l	98
16) Acetone	4.12	43	220242	227.958	ug/l	97
17) Carbon Disulfide	4.38	76	403275	46.774	ug/l	100
18) Methyl Acetate	4.67	43	105102	48.424	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	226401	51.791	ug/l	99
20) Methylene Chloride	4.92	84	152613	45.801	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	146373	49.285	ug/l	96
22) Diisopropyl ether	6.31	45	563621	51.023	ug/l	99
23) Vinyl Acetate	6.25	43	1769924	254.992	ug/l	99
24) 1,1-Dichloroethane	6.21	63	295727	49.987	ug/l	100
25) 2-Butanone	7.17	43	293561	232.204	ug/l	99
26) 2,2-Dichloropropane	7.17	77	170585	46.885	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	163145	49.912	ug/l	98
28) Bromochloromethane	7.51	49	137030	52.183	ug/l	98
29) Tetrahydrofuran	7.52	42	182524	252.576	ug/l	100
30) Chloroform	7.68	83	268906	49.268	ug/l	98
31) Cyclohexane	7.95	56	274862	48.400	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	215964	51.956	ug/l	99
36) 1,1-Dichloropropene	8.08	75	227773	51.717	ug/l	99
37) Ethyl Acetate	7.25	43	127446	50.297	ug/l	98
38) Carbon Tetrachloride	8.07	117	196319	52.069	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011996.D
 Acq On : 19 Aug 2019 17:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 19 19:19:20 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	257999	53.200	ug/l	99
40) Benzene	8.32	78	628133	50.916	ug/l	100
41) Methacrylonitrile	7.48	41	76828	50.722	ug/l	97
42) 1,2-Dichloroethane	8.40	62	194033	50.236	ug/l	100
43) Isopropyl Acetate	8.42	43	240673	51.647	ug/l	100
44) Trichloroethene	9.09	130	155782	52.539	ug/l	96
45) 1,2-Dichloropropane	9.37	63	170481	51.648	ug/l	100
46) Dibromomethane	9.46	93	76539	50.804	ug/l	99
47) Bromodichloromethane	9.65	83	205494	51.999	ug/l	100
48) Methyl methacrylate	9.43	41	116462	52.027	ug/l	99
49) 1,4-Dioxane	9.45	88	24852	1139.262	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	621912	256.576	ug/l	99
52) Toluene	10.39	92	384537	51.616	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	215819	52.279	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	256642	52.286	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	110210	51.558	ug/l	98
56) Ethyl methacrylate	10.65	69	168563	53.889	ug/l	98
57) 1,3-Dichloropropane	10.93	76	206556	51.076	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	439723	309.614	ug/l	99
59) 2-Hexanone	10.97	43	442877	258.777	ug/l	98
60) Dibromochloromethane	11.13	129	124479	52.461	ug/l	99
61) 1,2-Dibromoethane	11.24	107	103981	51.402	ug/l	99
64) Tetrachloroethene	10.86	164	125457	52.161	ug/l	98
65) Chlorobenzene	11.66	112	386368	52.024	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	138425	53.510	ug/l	99
67) Ethyl Benzene	11.73	91	750304	53.046	ug/l	100
68) m/p-Xylenes	11.84	106	544449	105.843	ug/l	99
69) o-Xylene	12.17	106	256061	53.569	ug/l	99
70) Styrene	12.18	104	442104	53.493	ug/l	100
71) Bromoform	12.35	173	71483	54.196	ug/l #	99
73) Isopropylbenzene	12.46	105	715031	53.291	ug/l	100
74) N-amyl acetate	12.27	43	228019	54.282	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	131401	52.065	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	177280	93.156	ug/l #	100
77) Bromobenzene	12.75	156	154926	52.240	ug/l	99
78) n-propylbenzene	12.80	91	870554	53.313	ug/l	100
79) 2-Chlorotoluene	12.89	91	491725	52.271	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	600378	53.381	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	45397	54.977	ug/l	96
82) 4-Chlorotoluene	12.99	91	510460	51.718	ug/l	99
83) tert-Butylbenzene	13.21	119	513287	54.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	599208	52.887	ug/l	100
85) sec-Butylbenzene	13.38	105	736782	54.901	ug/l	100
86) p-Isopropyltoluene	13.50	119	662071	54.373	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	301035	51.769	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	301694	52.155	ug/l	100
89) n-Butylbenzene	13.82	91	662724	54.539	ug/l	100
90) Hexachloroethane	14.10	117	118092	54.847	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	269080	52.319	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22569	52.440	ug/l	99

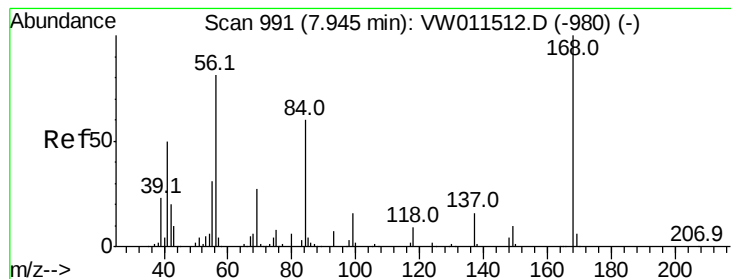
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
Data File : VW011996.D
Acq On : 19 Aug 2019 17:52
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 19 19:19:20 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	193998	53.521	ug/l	99
94) Hexachlorobutadiene	15.24	225	124571	55.110	ug/l	98
95) Naphthalene	15.37	128	357680	50.360	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	169147	53.237	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

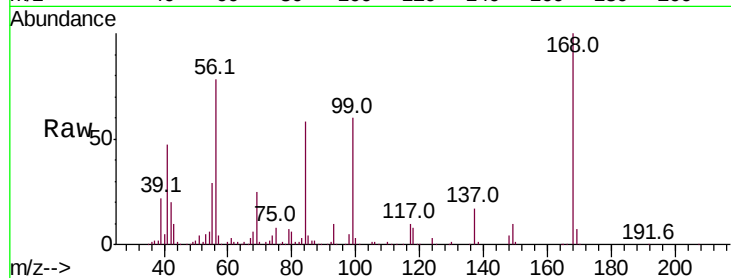
VSTDCCC050

Tot Ion:168 Resp: 264507

Ion Ratio Lower Upper

168 100

99 60.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

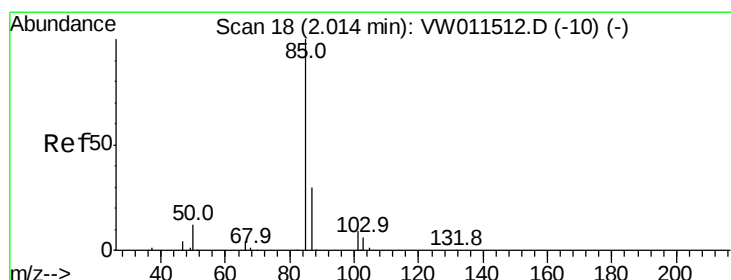
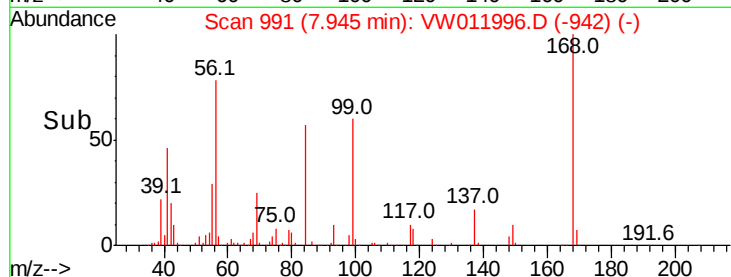
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 46.452 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011996.D

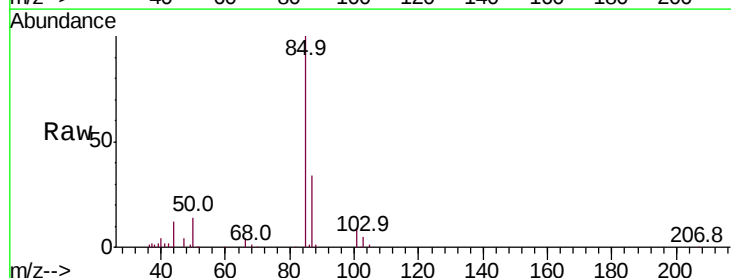
Acq: 19 Aug 2019 17:52

Tgt Ion: 85 Resp: 68477

Ion Ratio Lower Upper

85 100

87 34.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

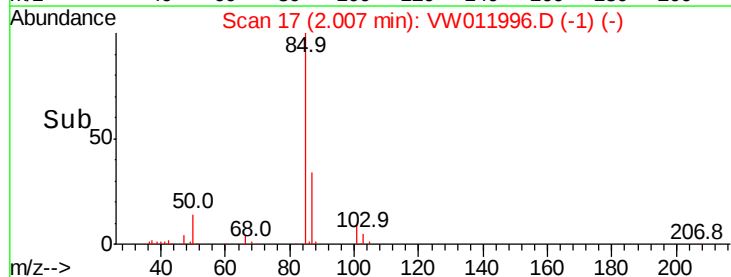
10000

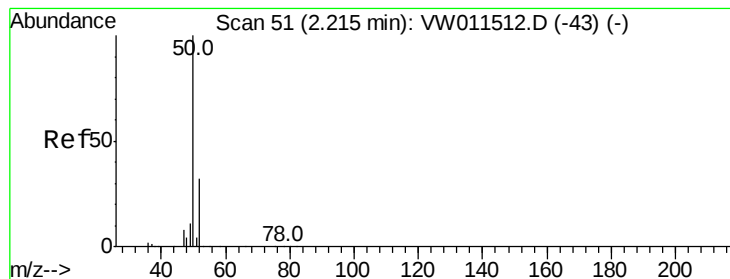
5000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 44.698 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

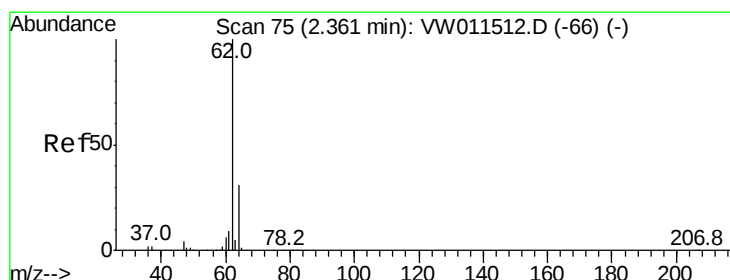
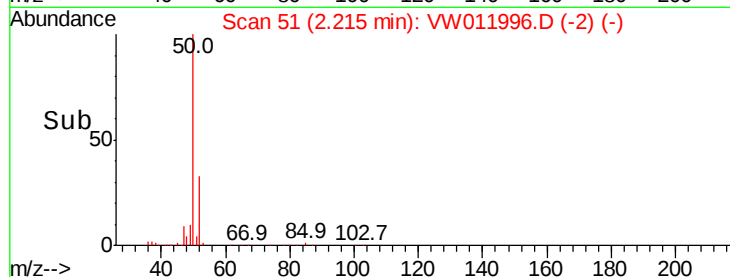
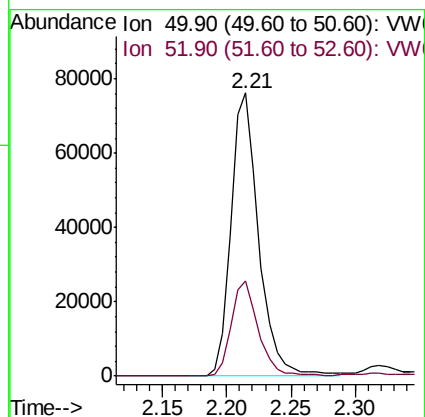
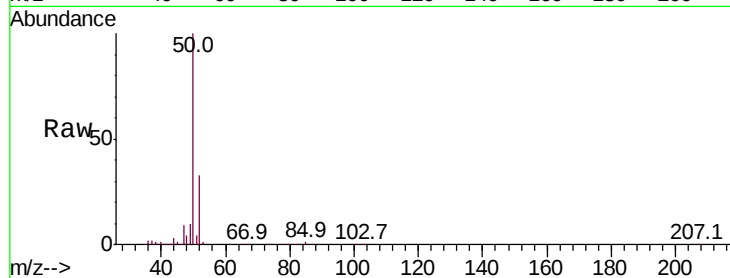
VSTDCCC050

Tot Ion: 50 Resp: 114257

Ion Ratio Lower Upper

50 100

52 33.5 25.4 38.2



#4

Vinyl Chloride

Concen: 48.288 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011996.D

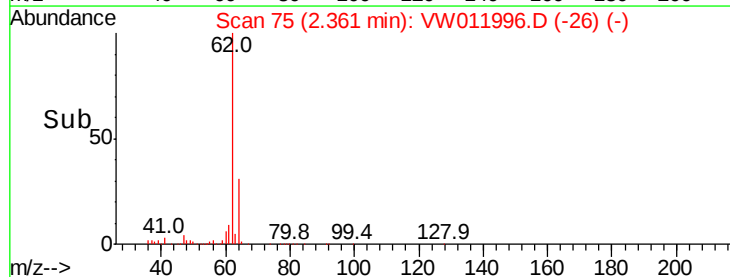
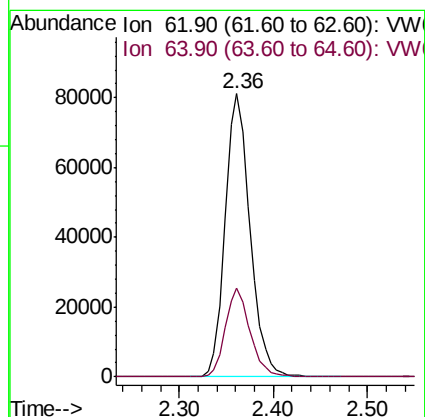
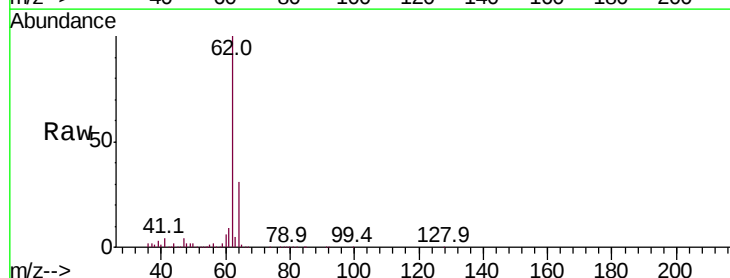
Acq: 19 Aug 2019 17:52

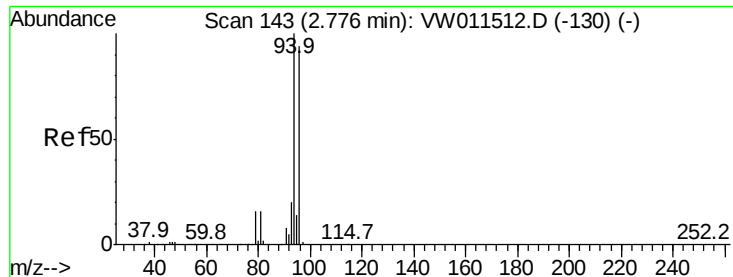
Tgt Ion: 62 Resp: 148603

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.4





#5

Bromomethane

Concen: 46.765 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

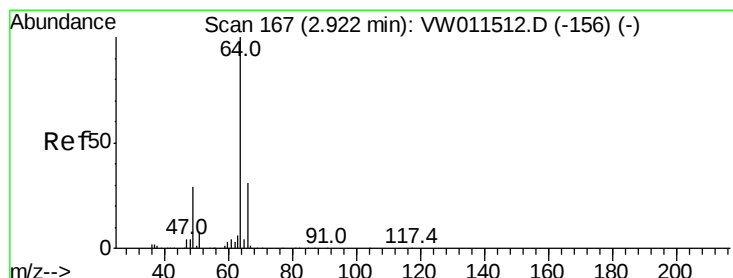
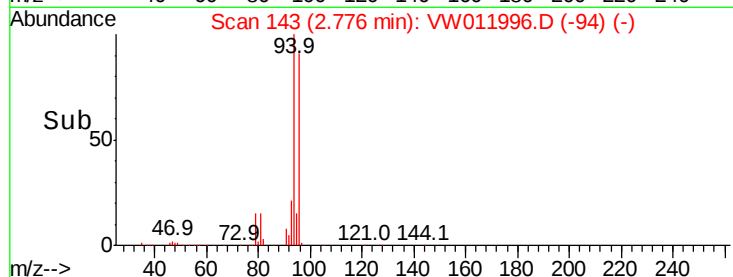
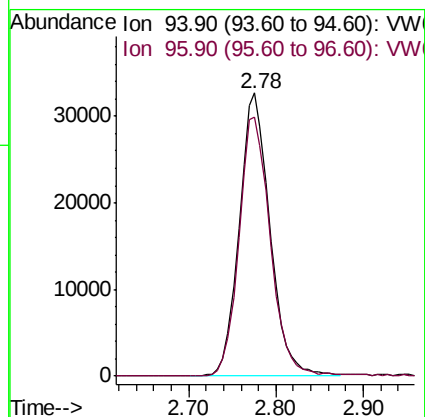
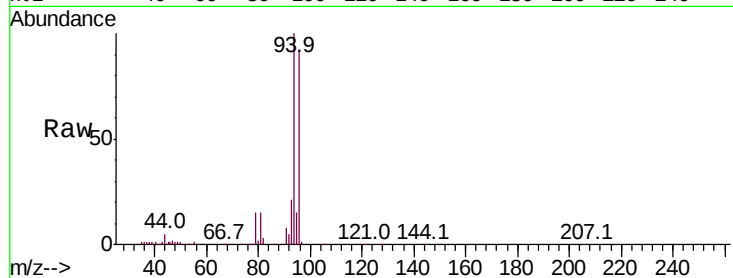
VSTDCCC050

Tot Ion: 94 Resp: 79660

Ion Ratio Lower Upper

94 100

96 91.6 75.0 112.6



#6

Chloroethane

Concen: 49.710 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011996.D

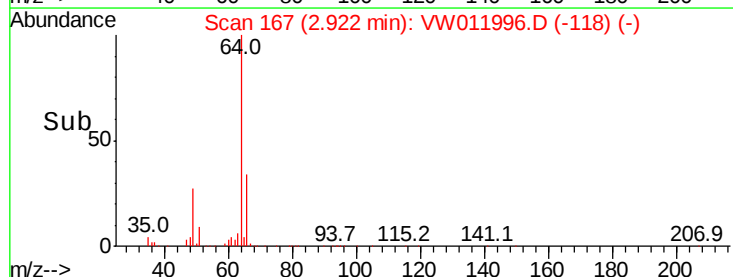
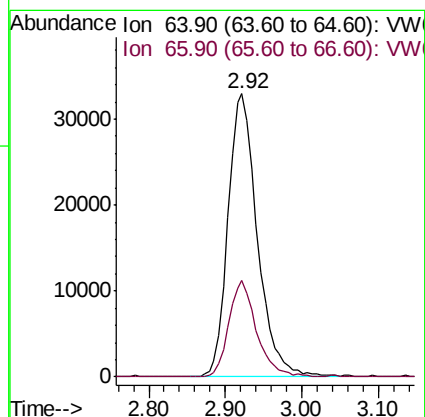
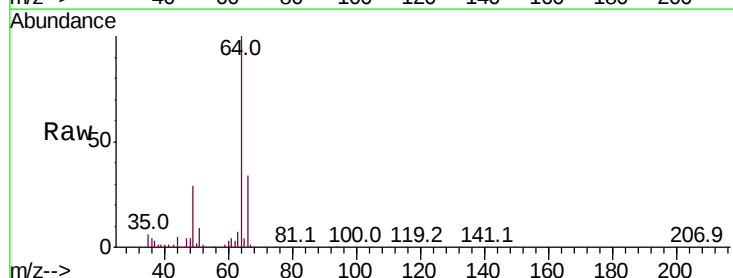
Acq: 19 Aug 2019 17:52

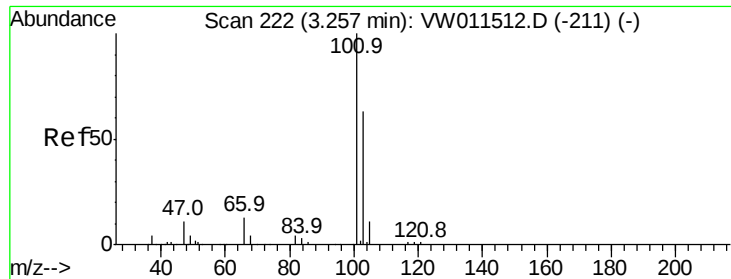
Tgt Ion: 64 Resp: 87385

Ion Ratio Lower Upper

64 100

66 33.8 24.6 36.8





#7

Trichlorofluoromethane

Concen: 55.115 ug/l

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

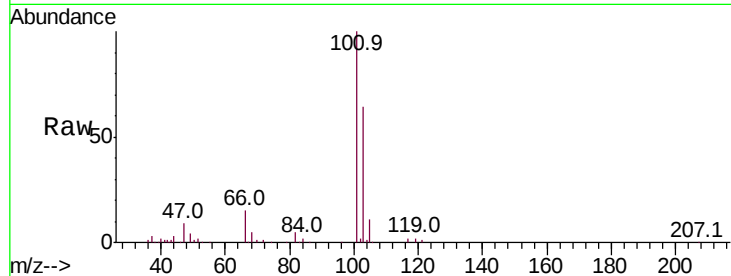
VSTDCCC050

Tot Ion:101 Resp: 75803

Ion Ratio Lower Upper

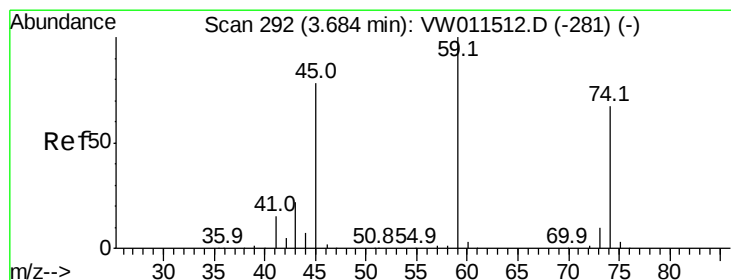
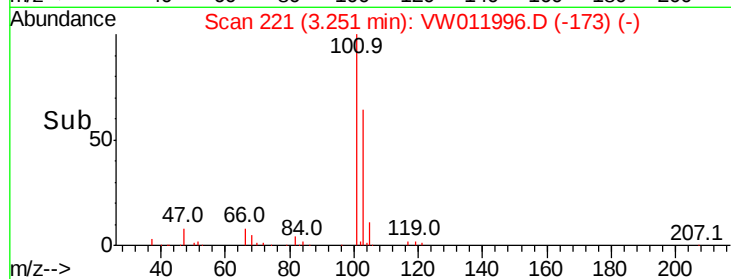
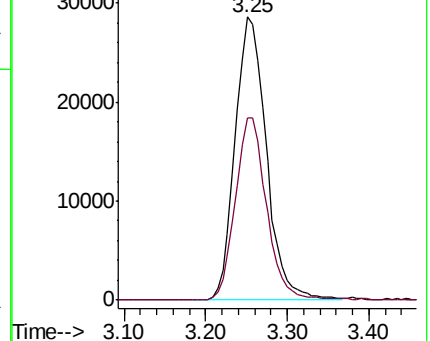
101 100

103 64.2 50.2 75.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 49.556 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW011996.D

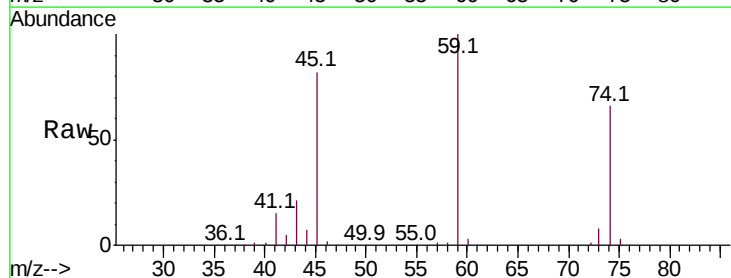
Acq: 19 Aug 2019 17:52

Tgt Ion: 74 Resp: 77278

Ion Ratio Lower Upper

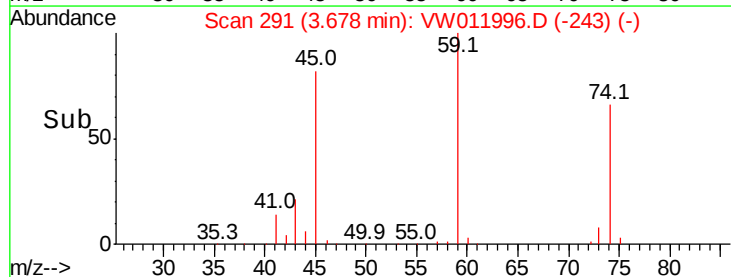
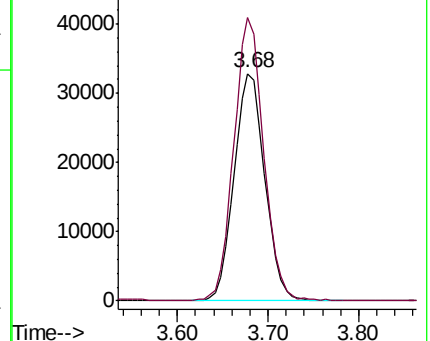
74 100

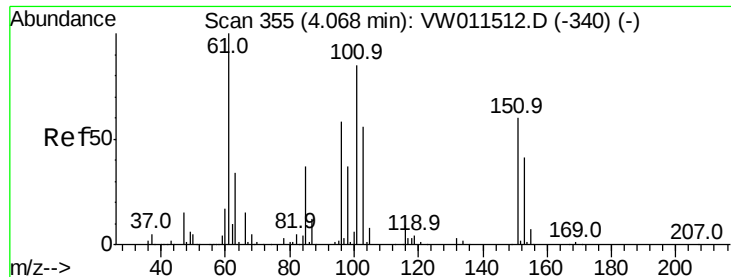
45 119.6 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.457 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

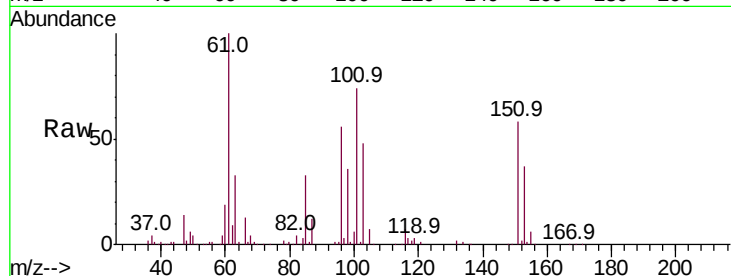
Tot Ion:101 Resp: 136861

Ion Ratio Lower Upper

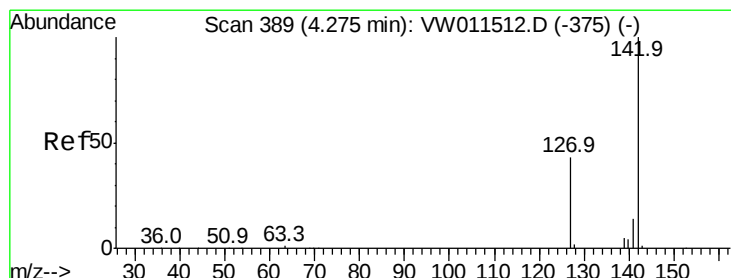
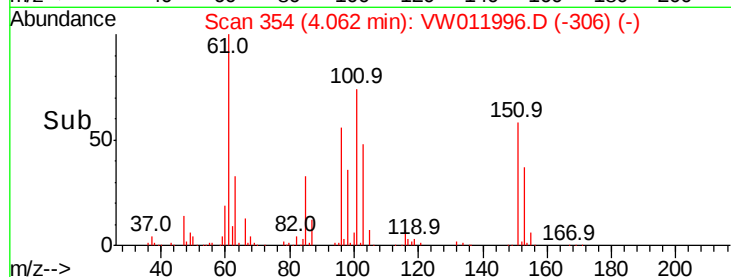
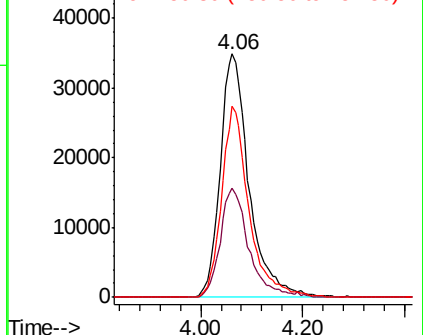
101 100

85 44.9 36.6 54.8

151 74.7 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: 50.364 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

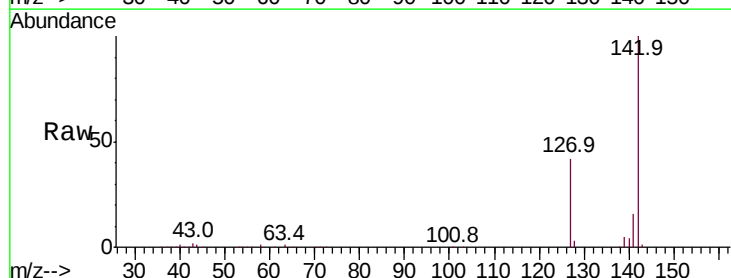
Tgt Ion:142 Resp: 185693

Ion Ratio Lower Upper

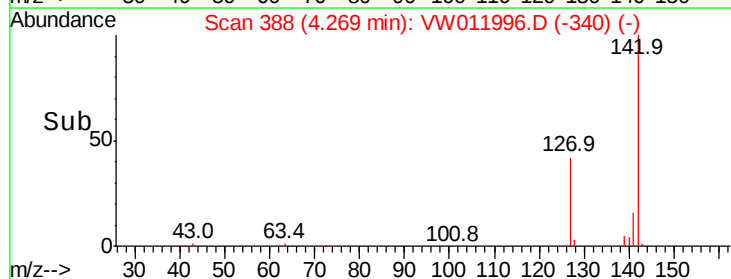
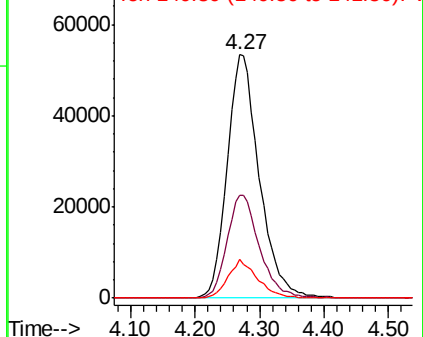
142 100

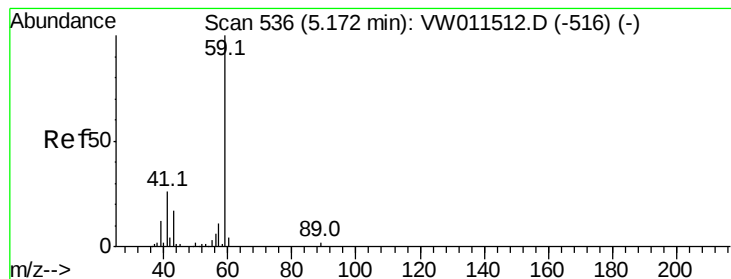
127 42.7 35.0 52.6

141 14.6 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



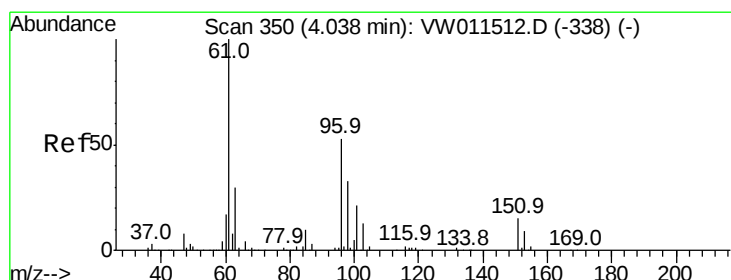
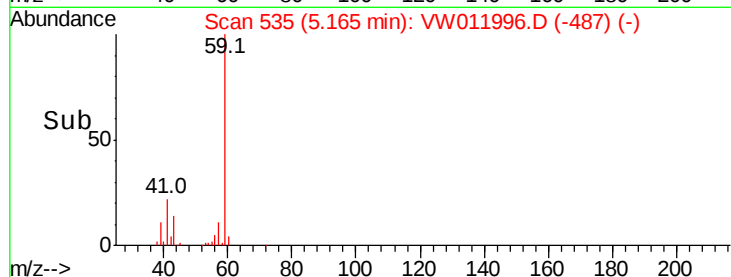
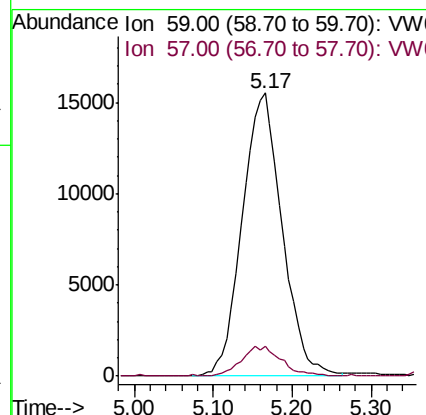
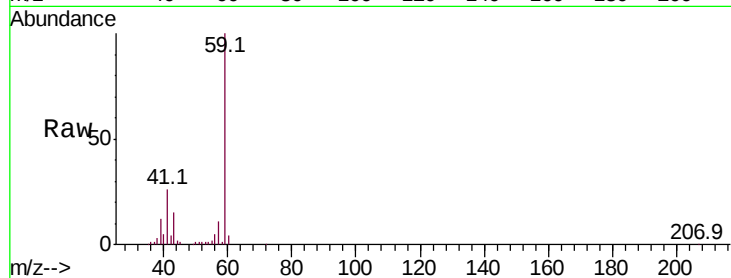


#11

Tert butyl alcohol
Concen: 243.112 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

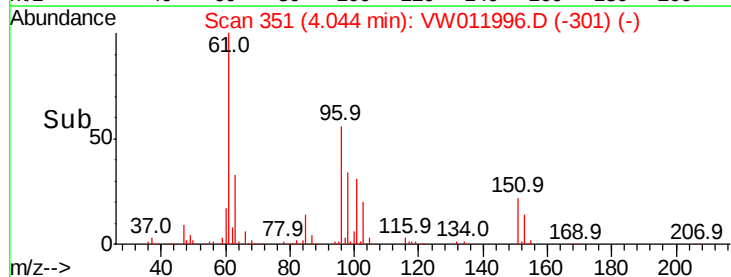
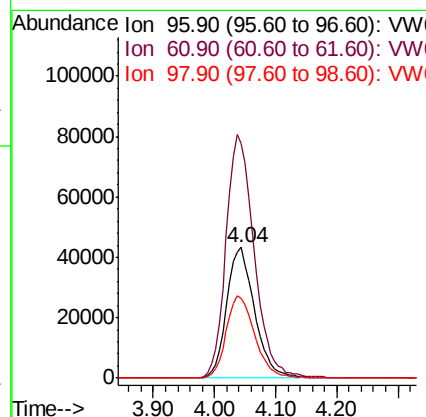
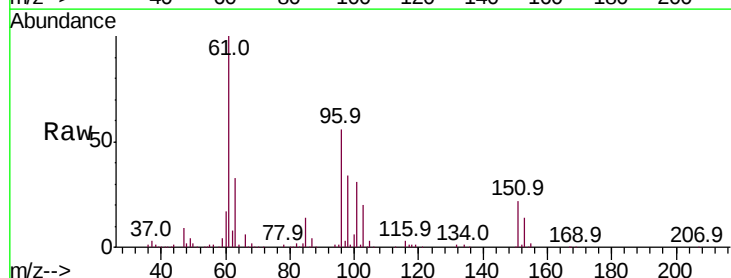
Tot Ion: 59 Resp: 54604
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

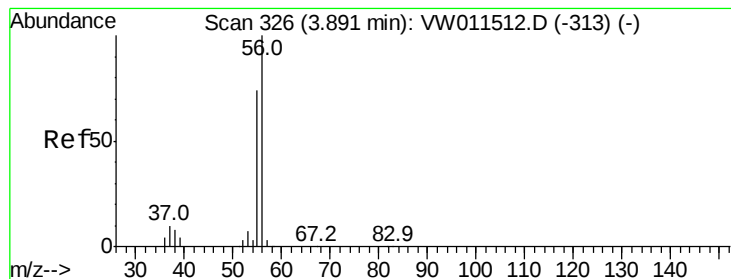


#12

1,1-Dichloroethene
Concen: 49.878 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Tgt Ion: 96 Resp: 137400
Ion Ratio Lower Upper
96 100
61 179.6 149.9 224.9
98 61.3 49.1 73.7





#13

Acrolein

Concen: 215.593 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

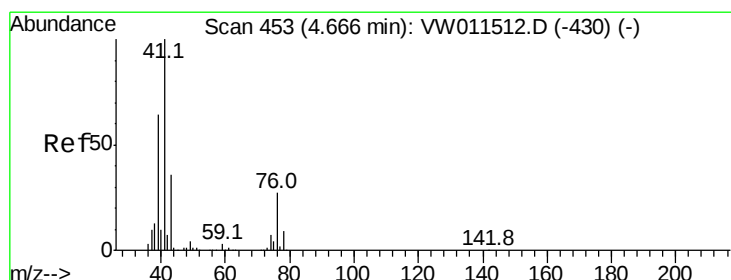
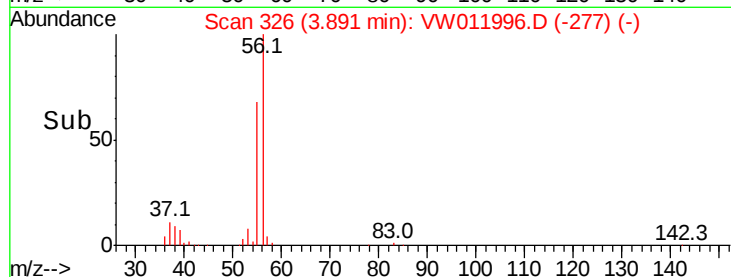
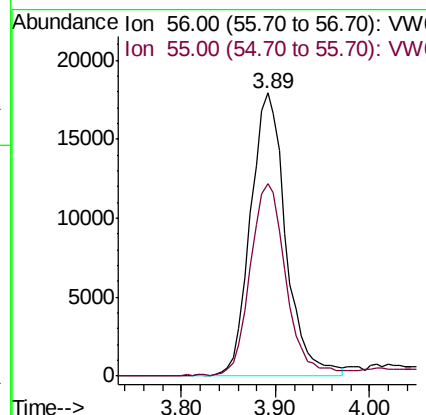
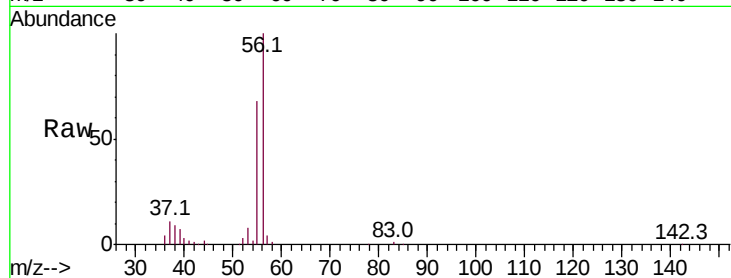
VSTDCCC050

Tot Ion: 56 Resp: 46985

Ion Ratio Lower Upper

56 100

55 68.9 56.0 84.0



#14

Allyl chloride

Concen: 50.848 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

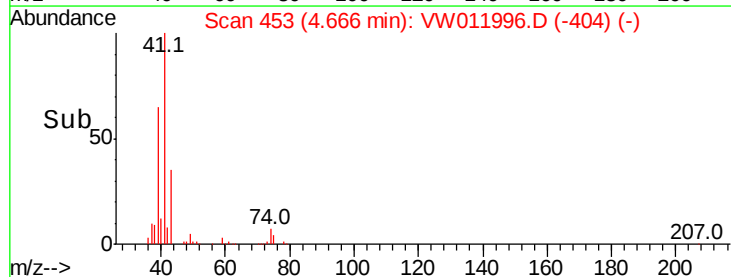
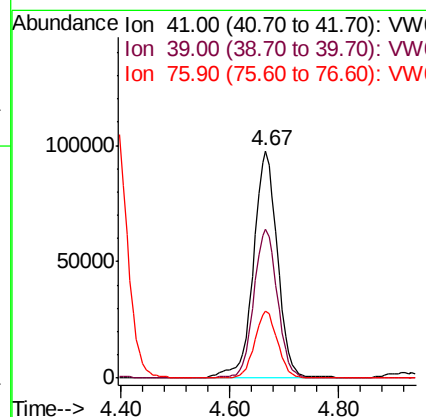
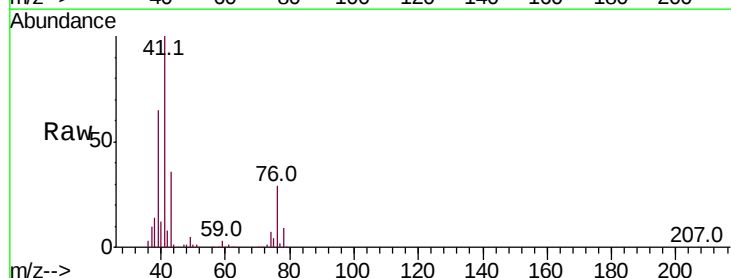
Tgt Ion: 41 Resp: 297918

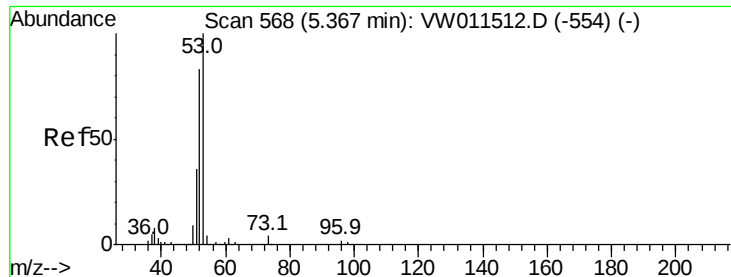
Ion Ratio Lower Upper

41 100

39 64.5 52.6 78.8

76 27.9 22.0 33.0





#15

Acrylonitrile

Concen: 253.347 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

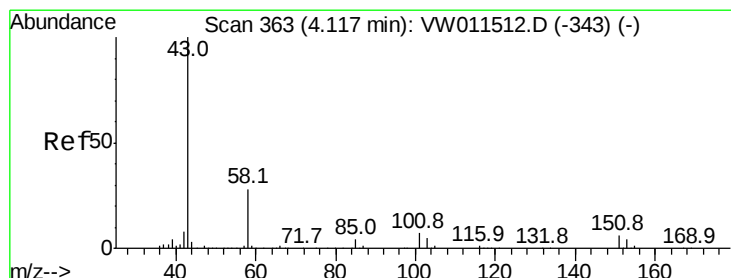
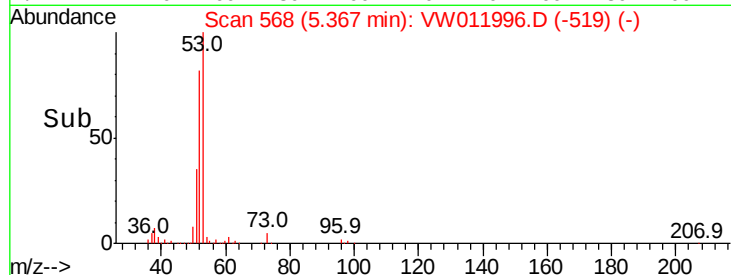
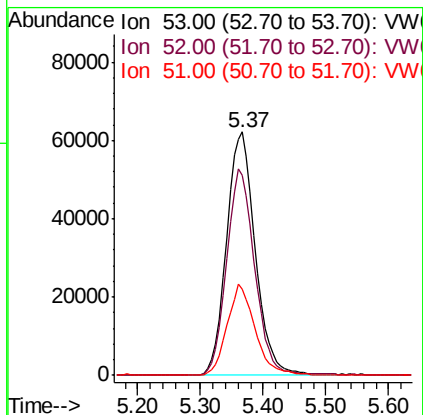
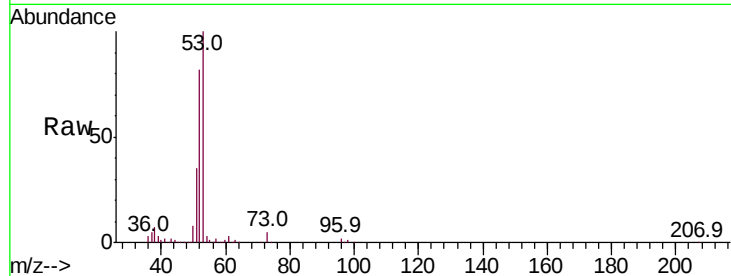
Tot Ion: 53 Resp: 197214

Ion Ratio Lower Upper

53 100

52 82.6 67.2 100.8

51 36.5 30.0 45.0



#16

Acetone

Concen: 227.958 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011996.D

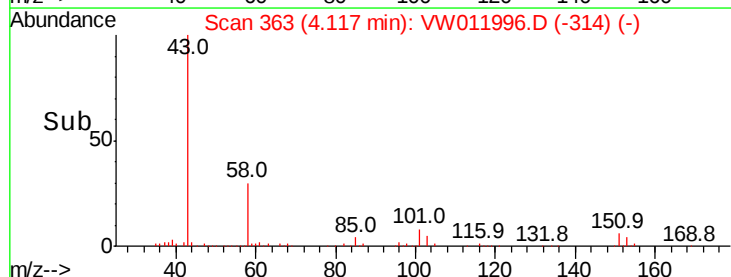
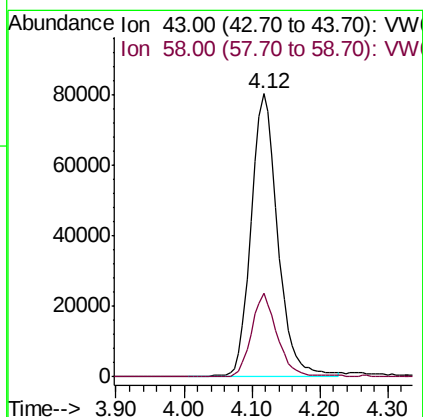
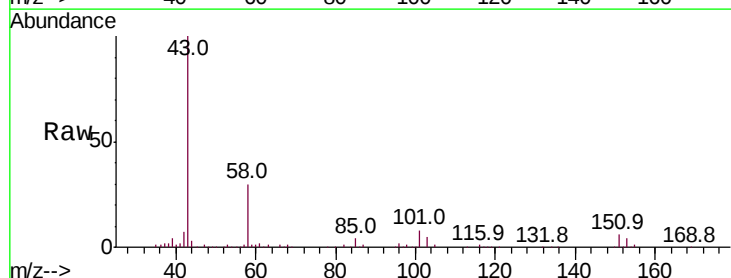
Acq: 19 Aug 2019 17:52

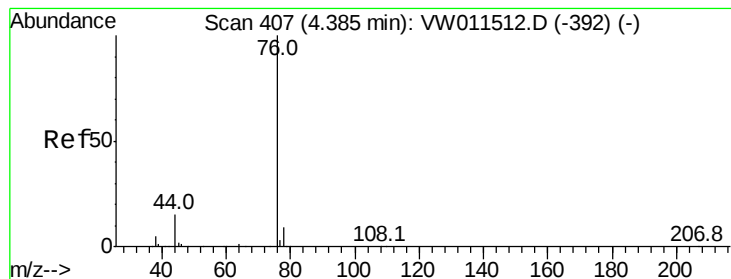
Tgt Ion: 43 Resp: 220242

Ion Ratio Lower Upper

43 100

58 29.4 22.3 33.5





#17

Carbon Disulfide

Concen: 46.774 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

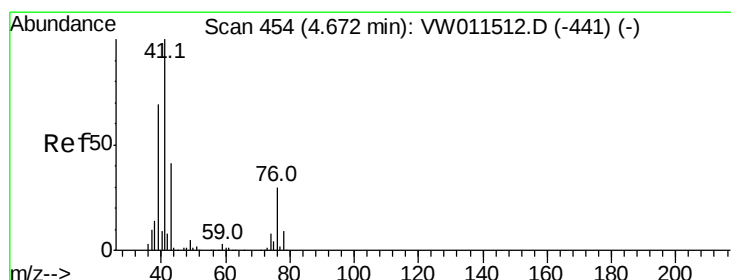
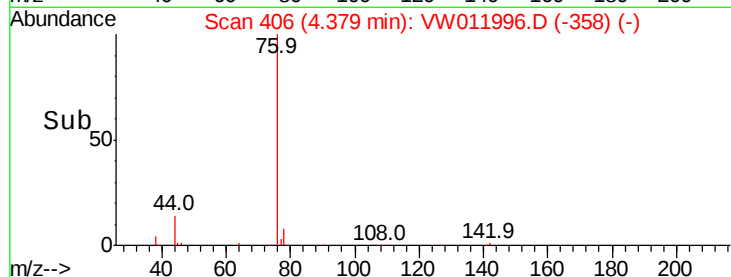
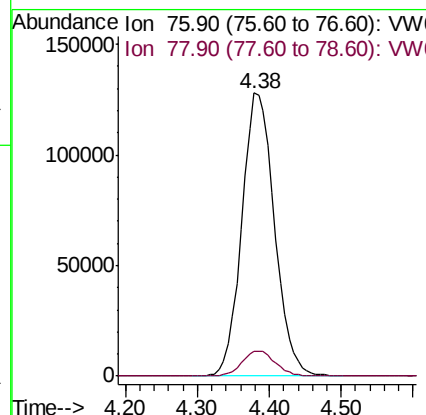
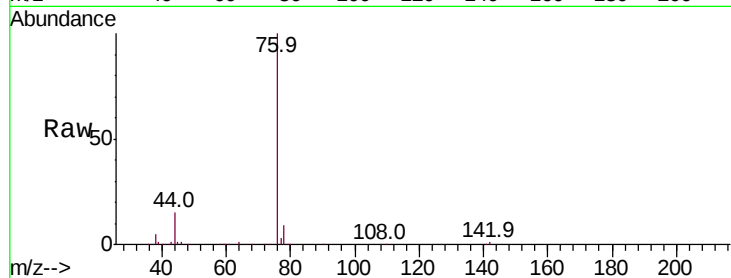
VSTDCCC050

Tot Ion: 76 Resp: 403275

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



#18

Methyl Acetate

Concen: 48.424 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011996.D

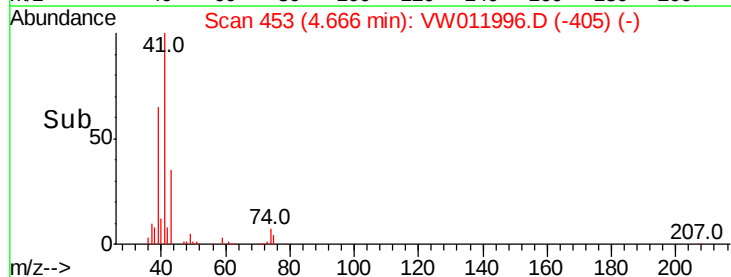
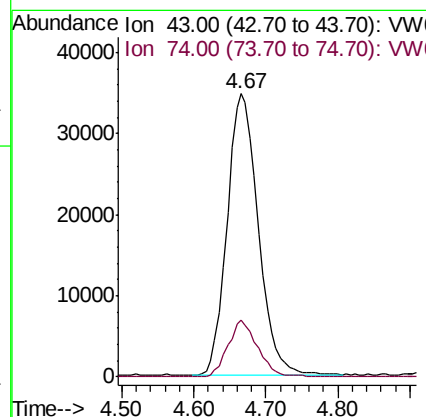
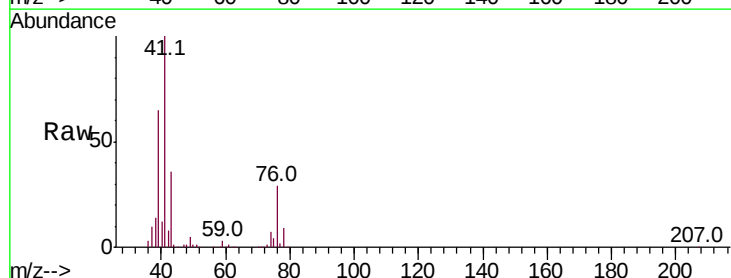
Acq: 19 Aug 2019 17:52

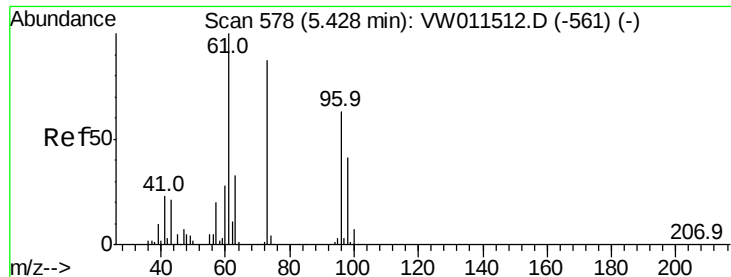
Tgt Ion: 43 Resp: 105102

Ion Ratio Lower Upper

43 100

74 19.1 15.9 23.9



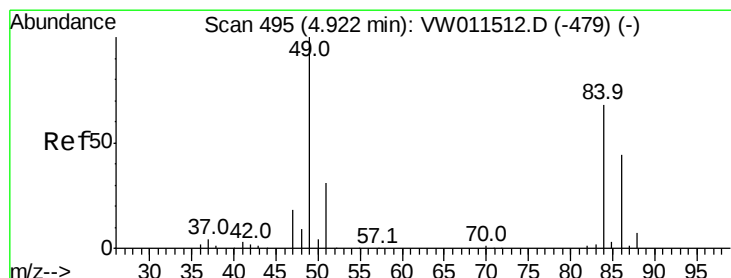
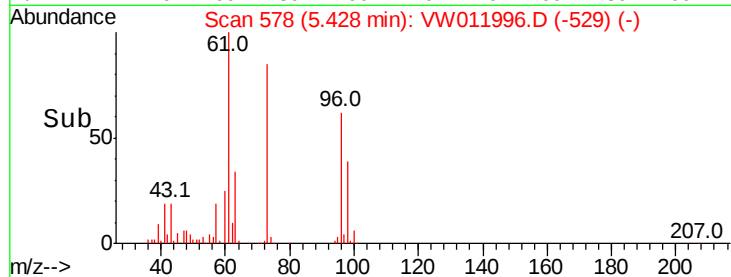
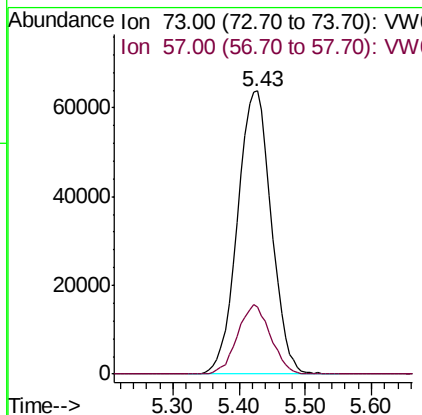
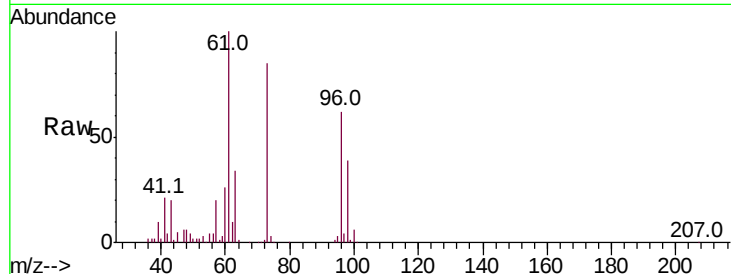


#19

Methyl tert-butyl Ether
 Concen: 51.791 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

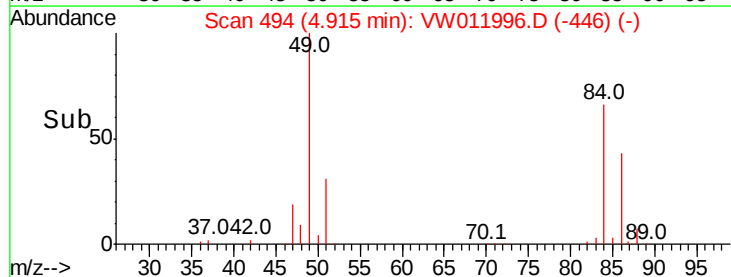
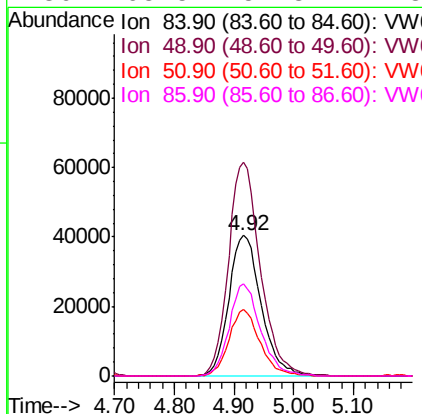
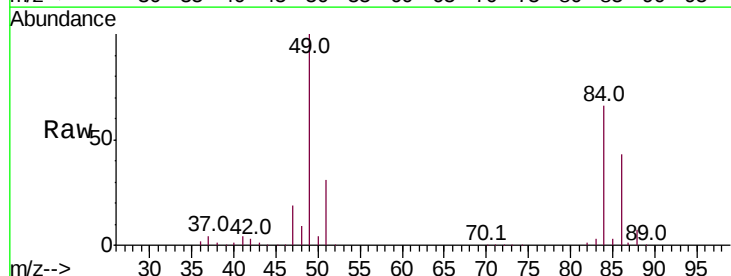
Tot Ion: 73 Resp: 226401
 Ion Ratio Lower Upper
 73 100
 57 23.7 18.4 27.6

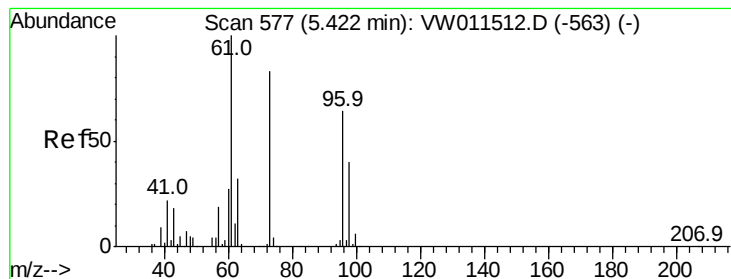


#20

Methylene Chloride
 Concen: 45.801 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

Tgt Ion: 84 Resp: 152613
 Ion Ratio Lower Upper
 84 100
 49 151.7 117.8 176.6
 51 46.9 37.0 55.4
 86 65.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 49.285 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

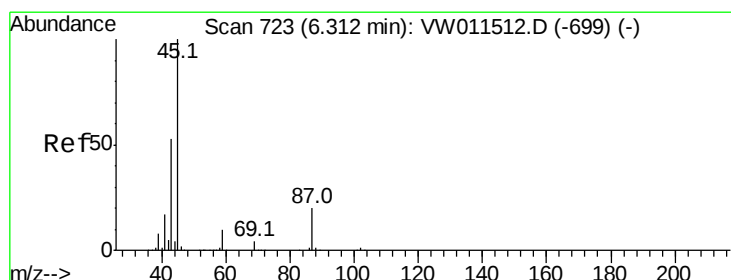
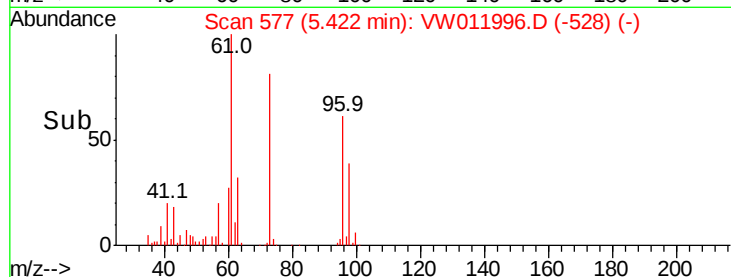
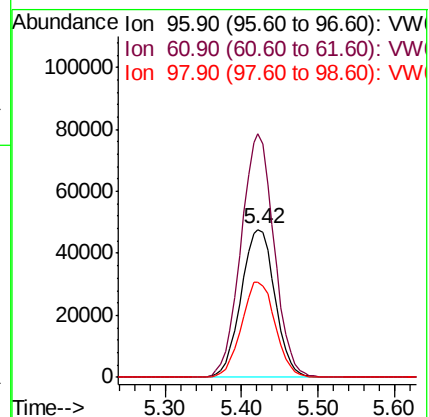
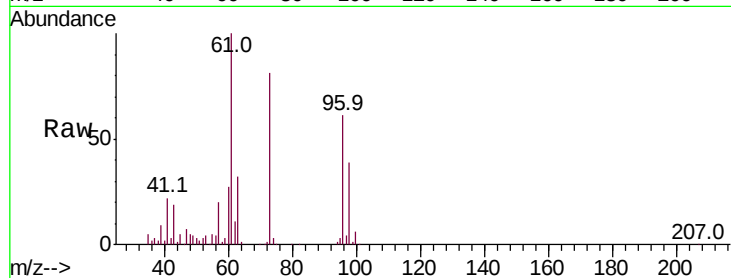
Tot Ion: 96 Resp: 146373

Ion Ratio Lower Upper

96 100

61 164.4 125.7 188.5

98 63.9 50.3 75.5



#22

Diisopropyl ether

Concen: 51.023 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Tgt Ion: 45 Resp: 563621

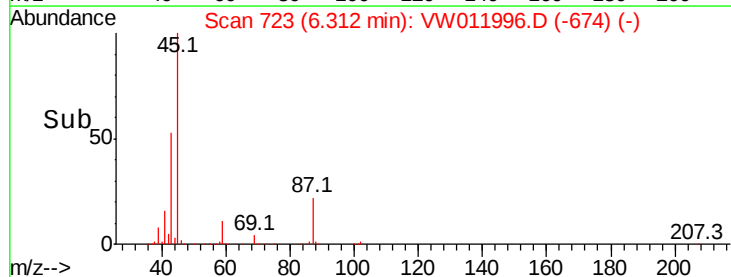
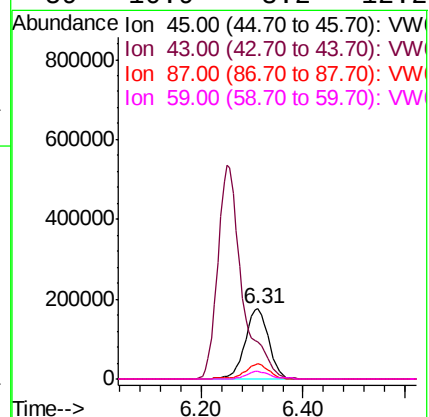
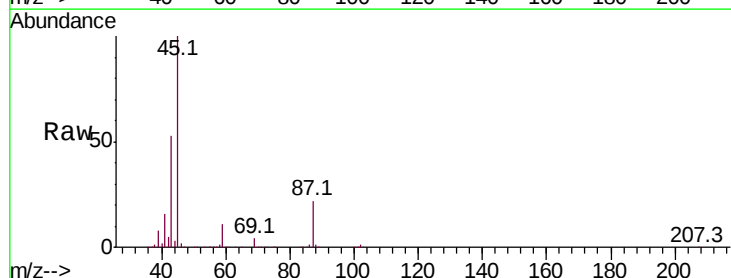
Ion Ratio Lower Upper

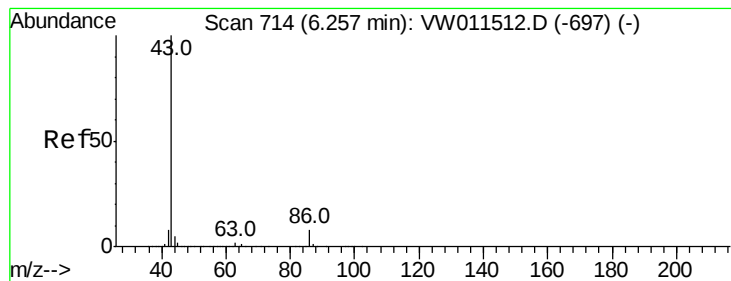
45 100

43 52.5 42.6 63.8

87 21.7 16.4 24.6

59 10.9 8.2 12.2





#23

Vinyl Acetate

Concen: 254.992 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

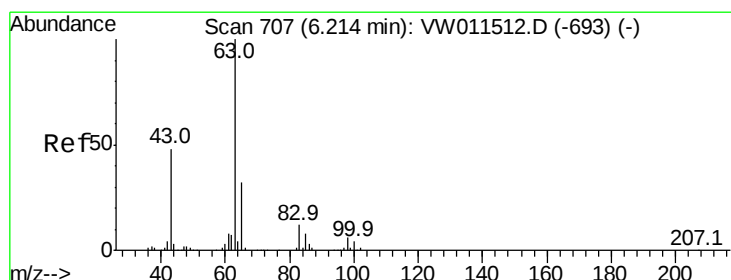
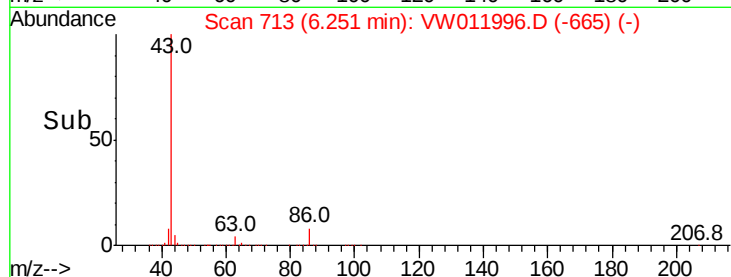
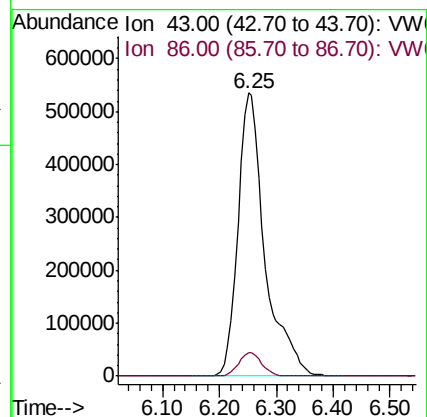
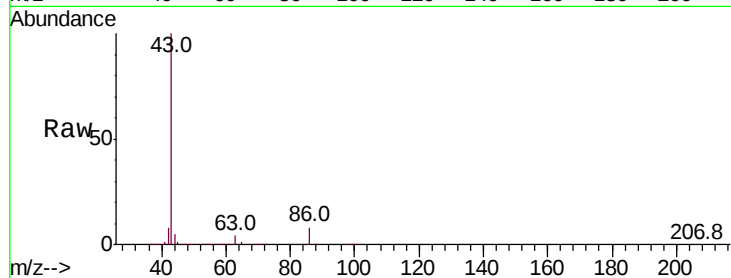
VSTDCCC050

Tot Ion: 43 Resp: 1769924

Ion Ratio Lower Upper

43 100

86 8.5 6.5 9.7



#24

1,1-Dichloroethane

Concen: 49.987 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

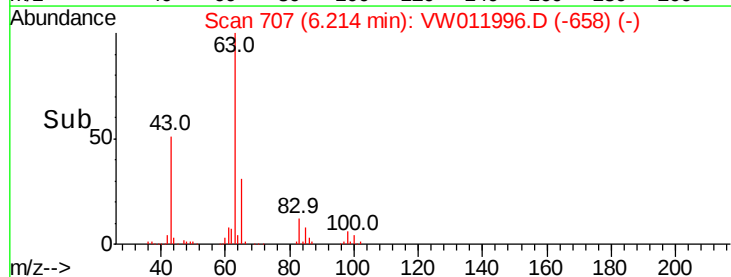
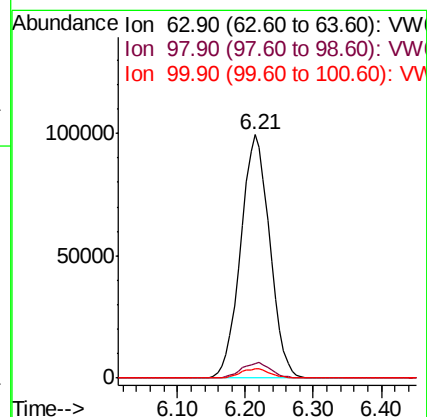
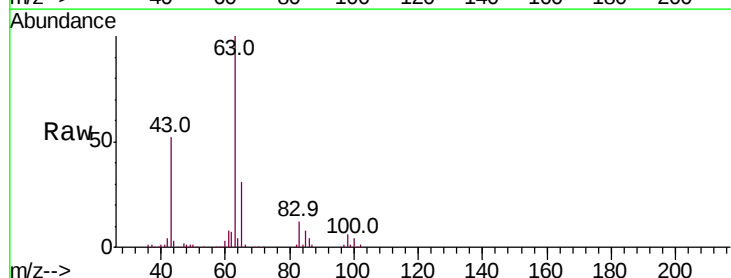
Tgt Ion: 63 Resp: 295727

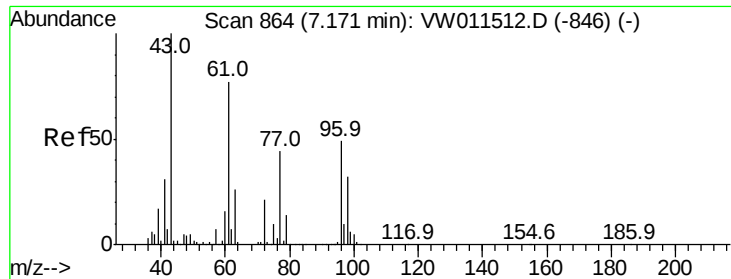
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 232.204 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

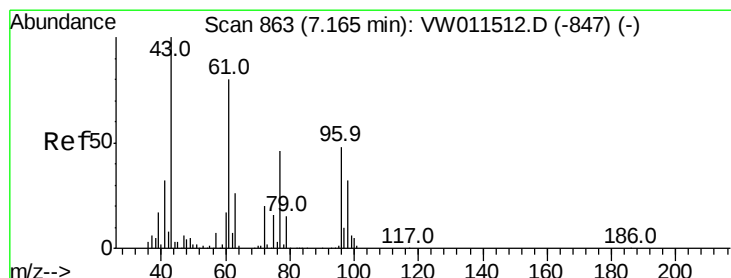
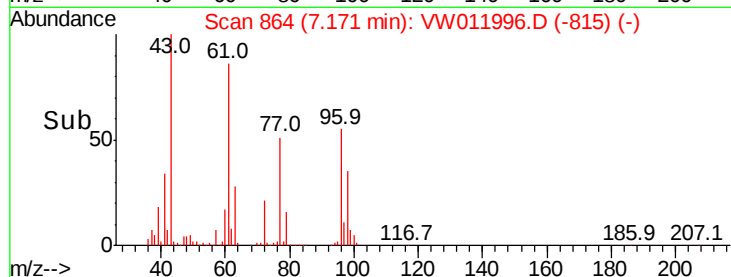
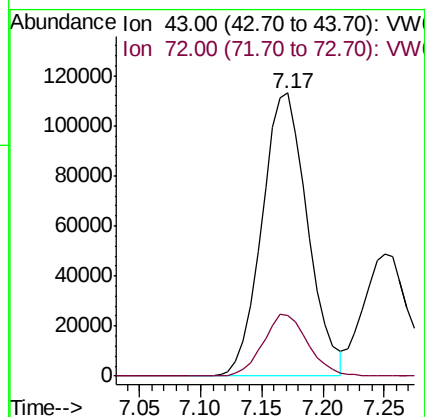
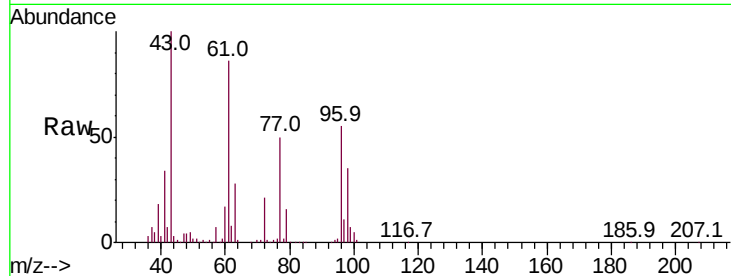
VSTDCCC050

Tot Ion: 43 Resp: 293561

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 46.885 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011996.D

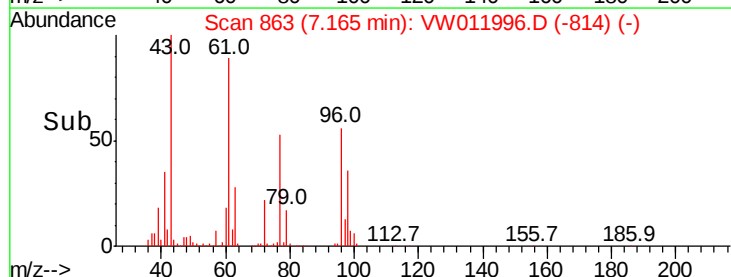
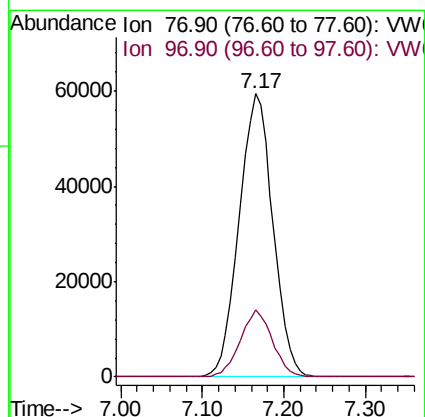
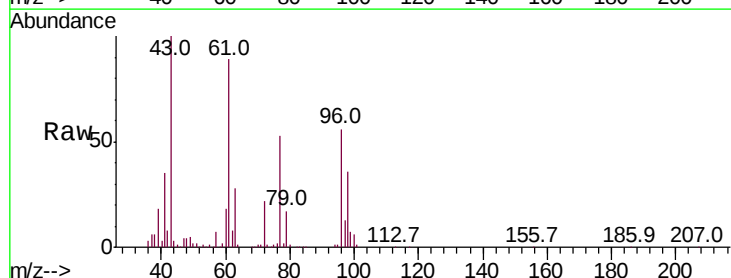
Acq: 19 Aug 2019 17:52

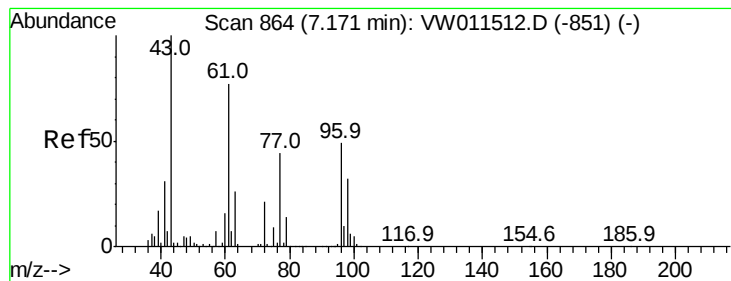
Tgt Ion: 77 Resp: 170585

Ion Ratio Lower Upper

77 100

97 22.5 10.8 32.4



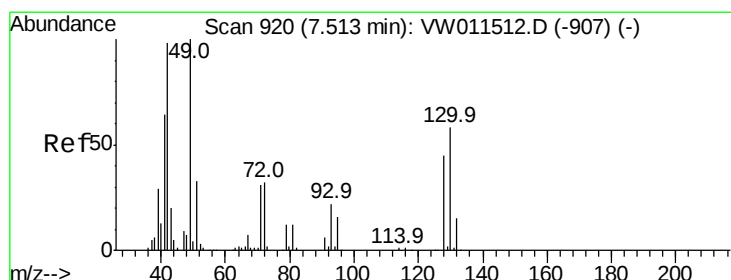
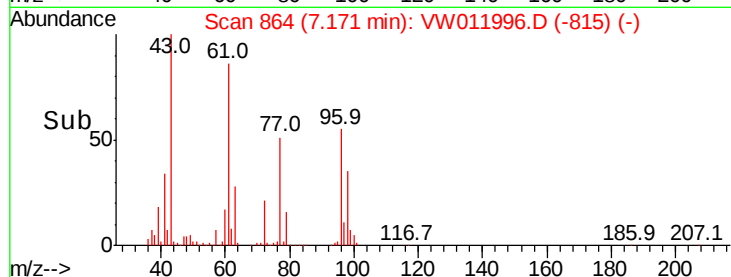
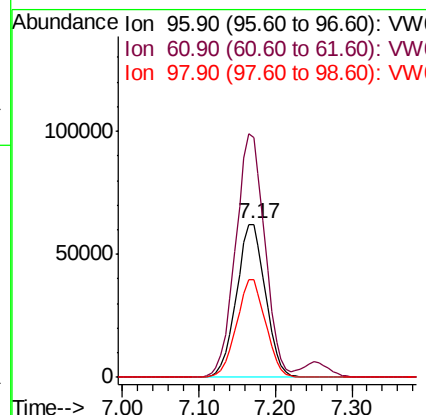
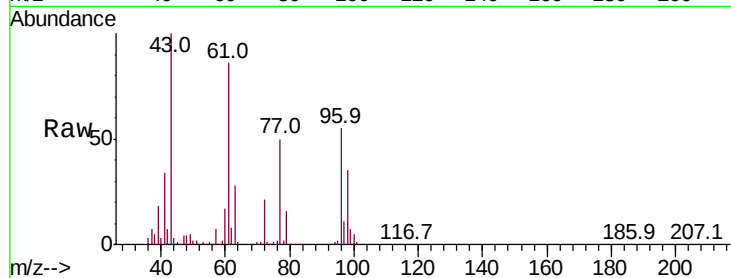


#27

cis-1,2-Dichloroethene
 Concen: 49.912 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

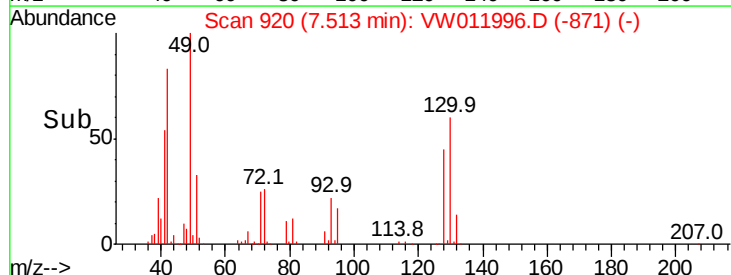
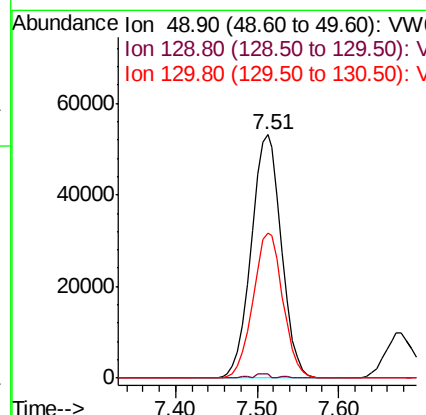
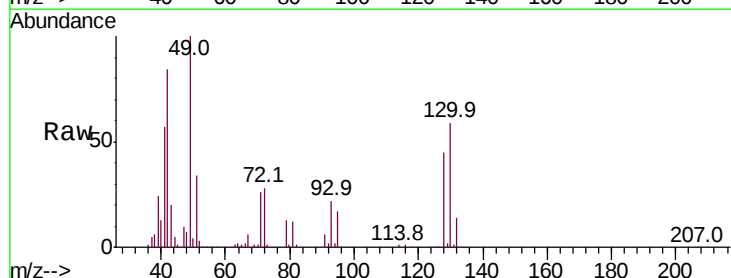
Tot Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	328.4
98	64.1	0.0	128.8

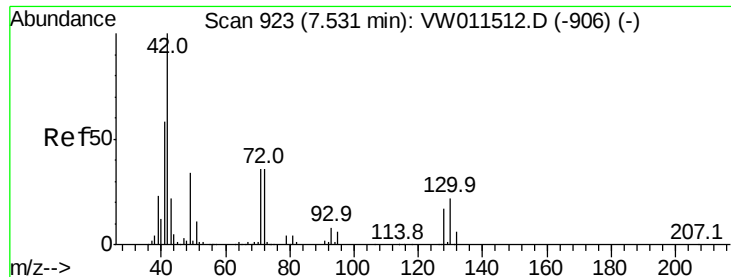


#28

Bromochloromethane
 Concen: 52.183 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.0
130	59.0	46.3	69.5

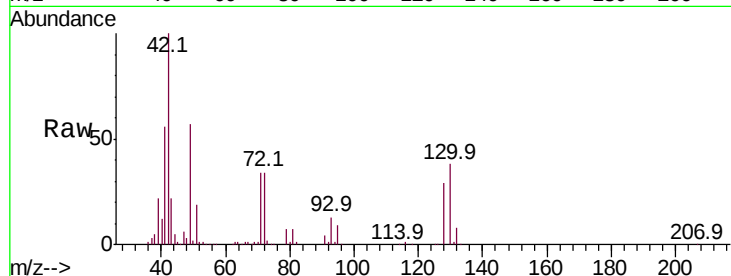




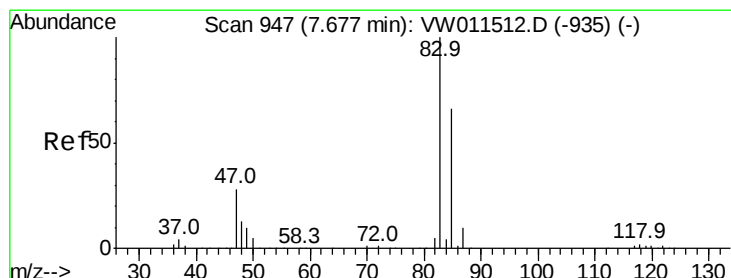
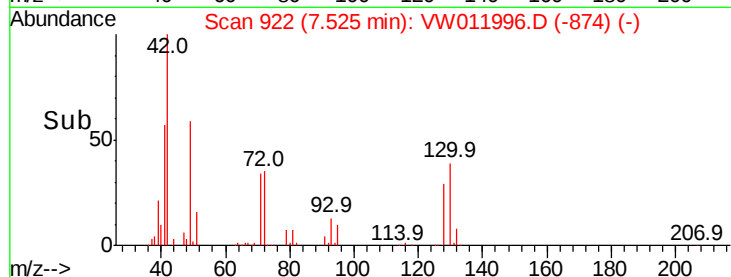
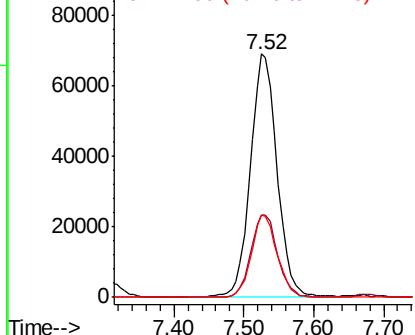
#29
Tetrahydrofuran
Concen: 252.576 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 182524
Ion Ratio Lower Upper
42 100
72 34.0 27.1 40.7
71 32.6 26.2 39.4

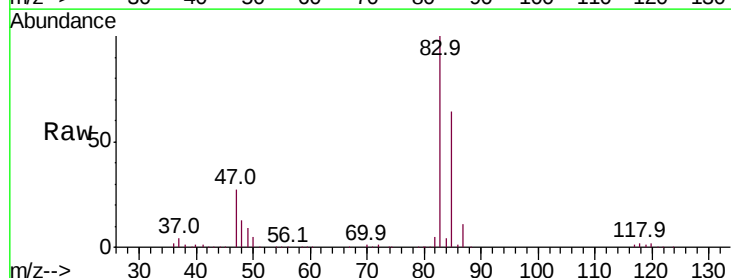


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

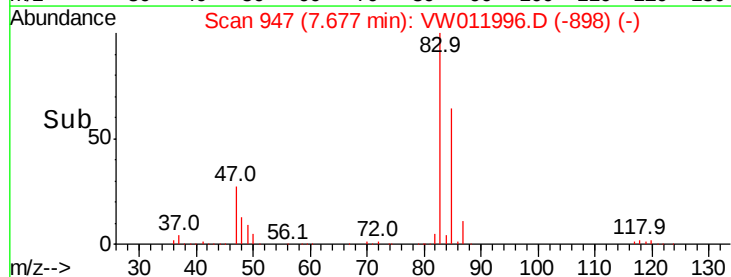
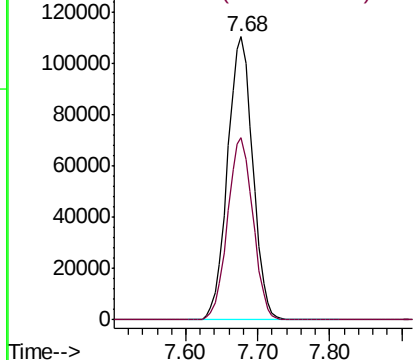


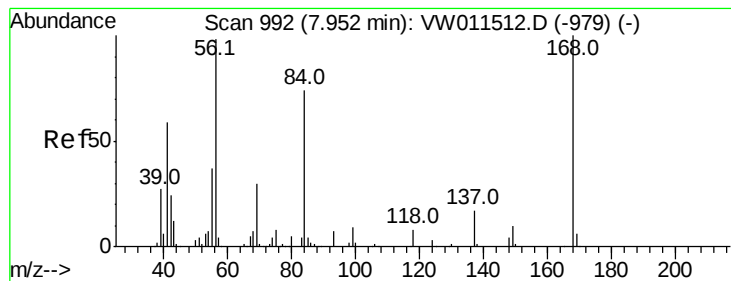
#30
Chloroform
Concen: 49.268 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Tgt Ion: 83 Resp: 268906
Ion Ratio Lower Upper
83 100
85 64.2 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: 48.400 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

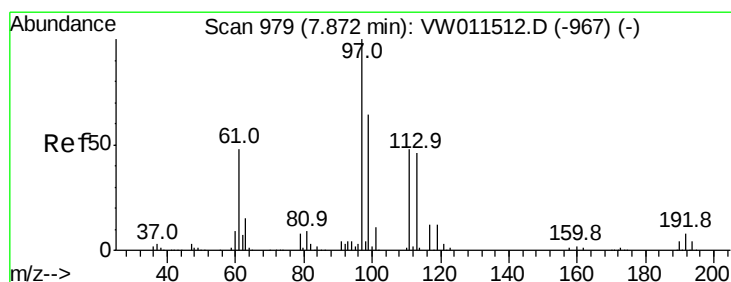
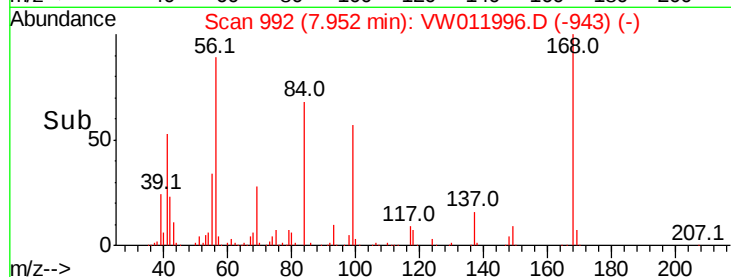
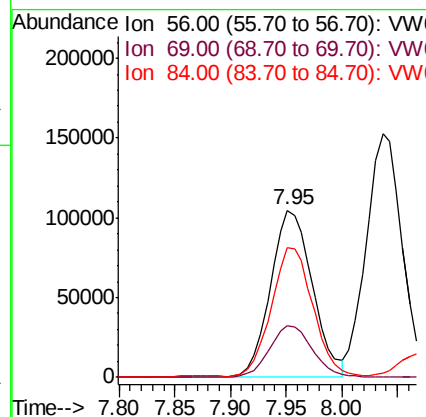
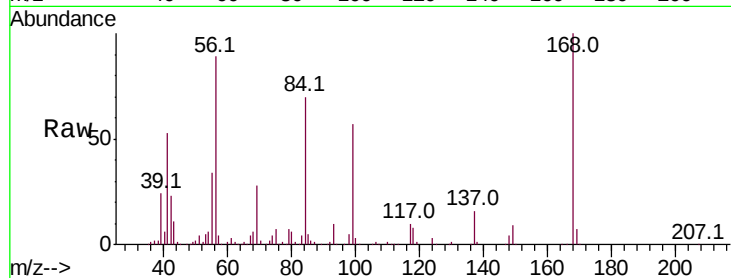
Tot Ion: 56 Resp: 274862

Ion Ratio Lower Upper

56 100

69 30.8 24.3 36.5

84 76.5 60.4 90.6



#32

1,1,1-Trichloroethane

Concen: 51.956 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

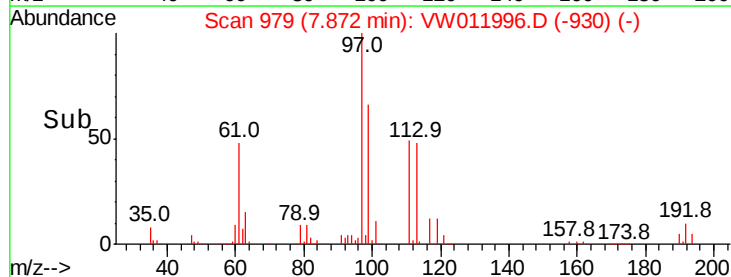
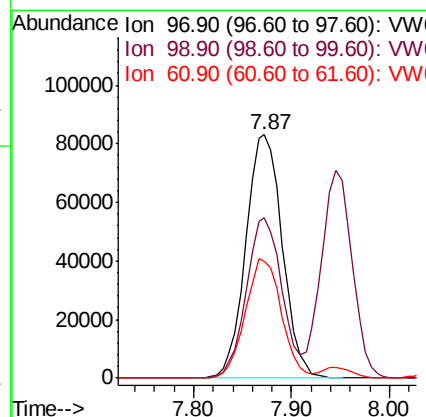
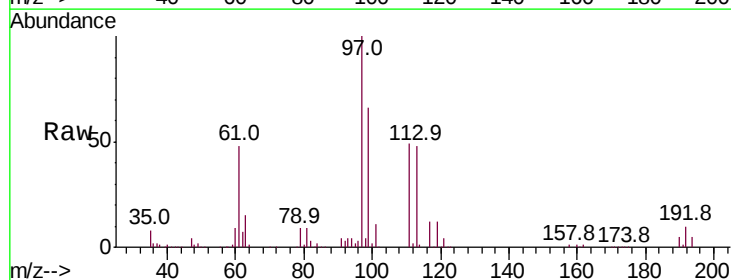
Tgt Ion: 97 Resp: 215964

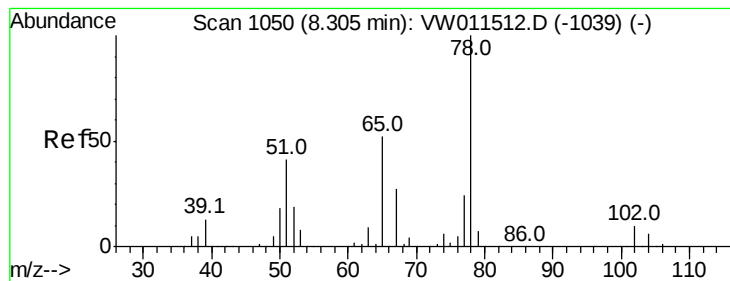
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 48.4 39.8 59.6





#33

1,2-Dichloroethane-d4

Concen: 50.665 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

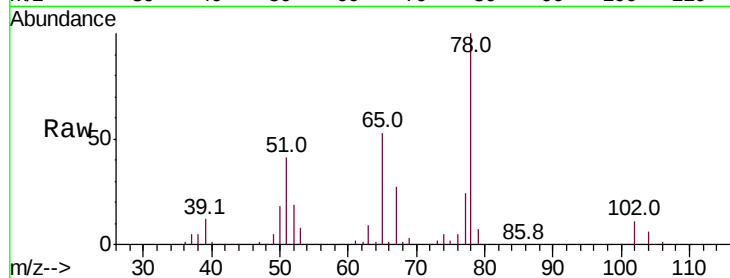
VSTDCCC050

Tot Ion: 65 Resp: 153884

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

80000

60000

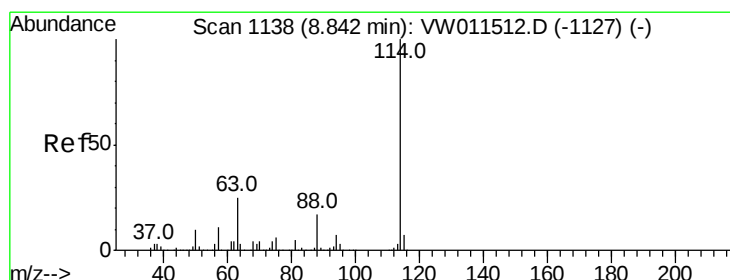
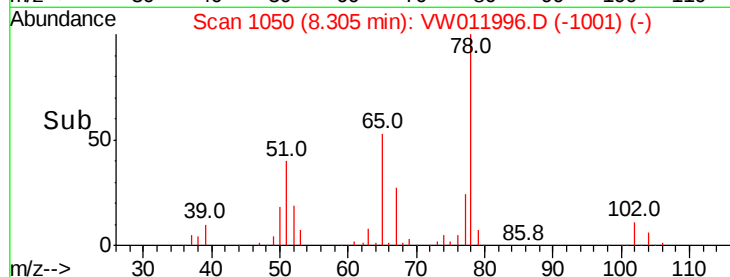
40000

20000

0

Time-->

8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

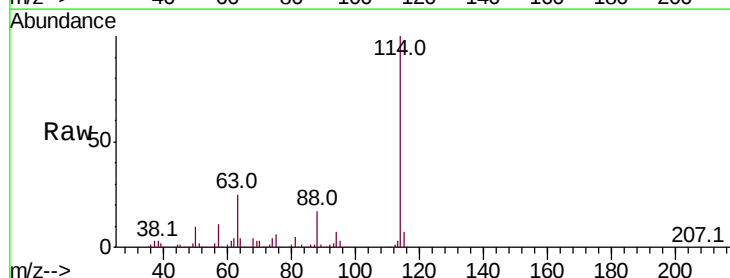
Tgt Ion:114 Resp: 423559

Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

88 16.6 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

250000

200000

150000

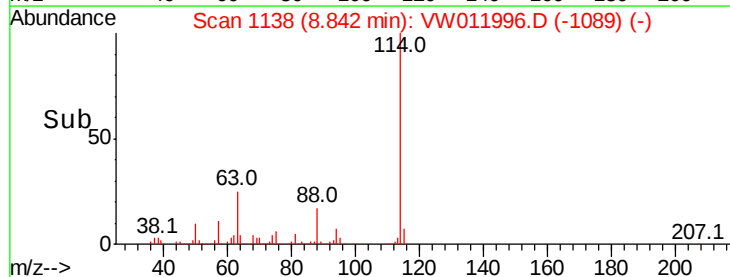
100000

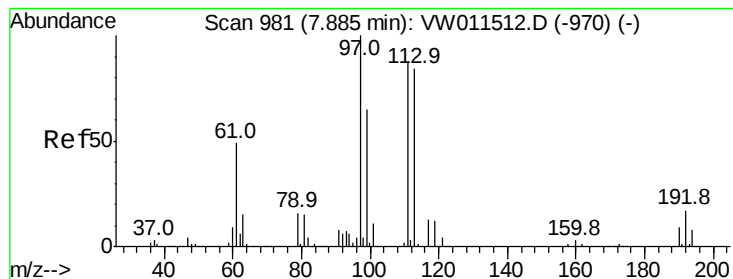
50000

0

Time-->

8.70 8.80 8.90





#35

Dibromofluoromethane

Concen: 53.894 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

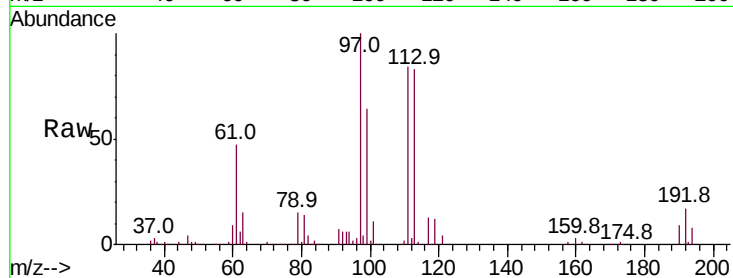
Tot Ion:113 Resp: 128065

Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

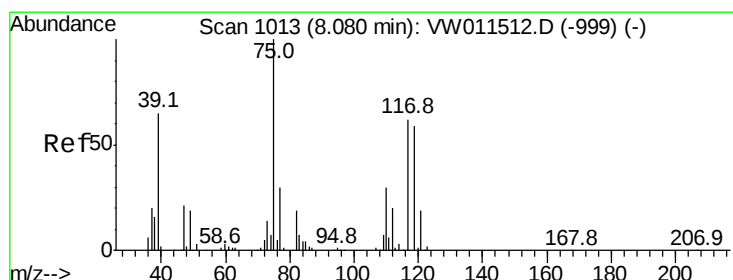
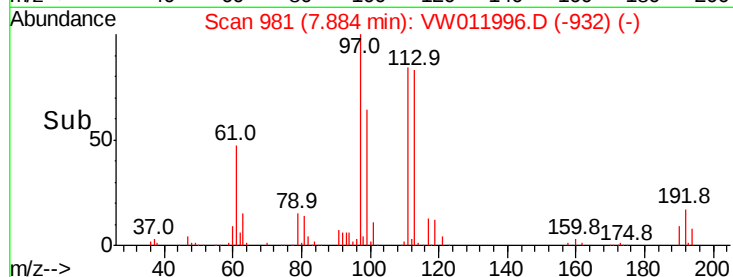
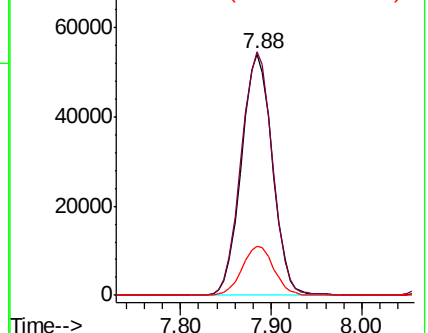
192 20.7 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.717 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

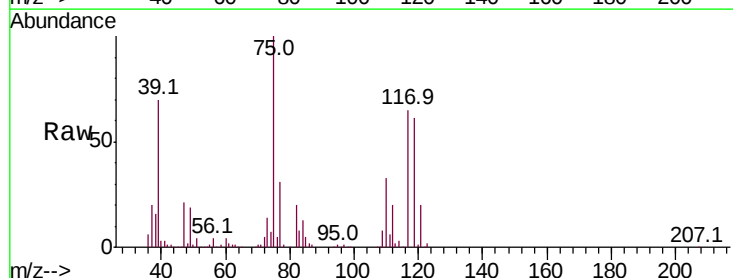
Tgt Ion: 75 Resp: 227773

Ion Ratio Lower Upper

75 100

110 31.9 15.6 46.8

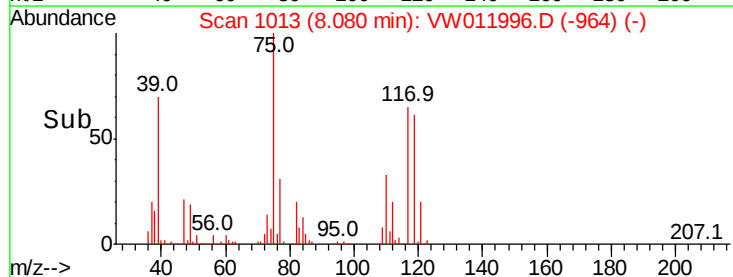
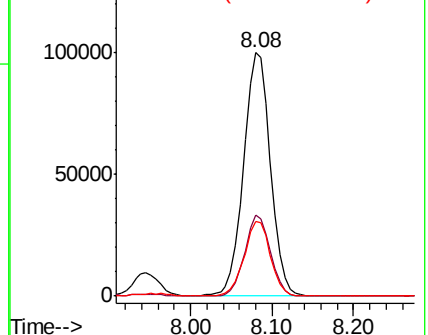
77 30.6 24.3 36.5

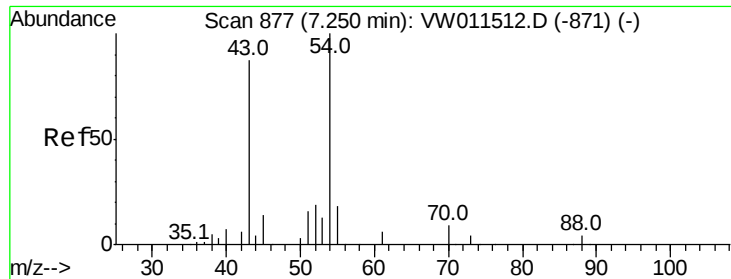


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

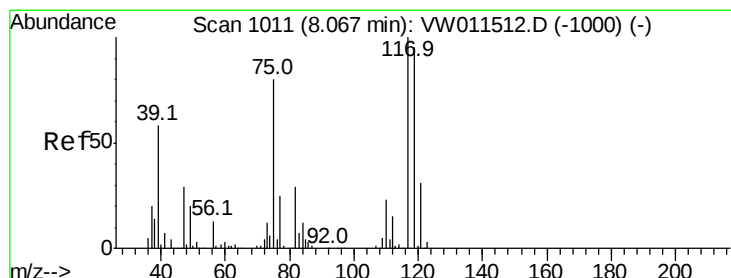
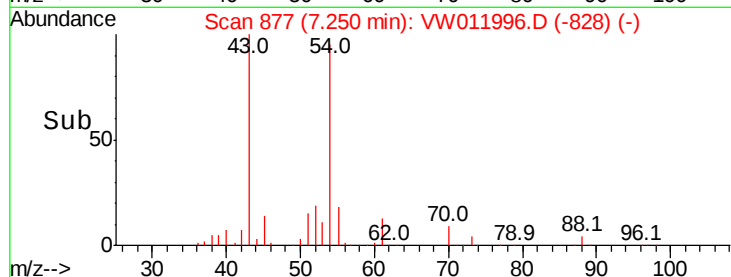
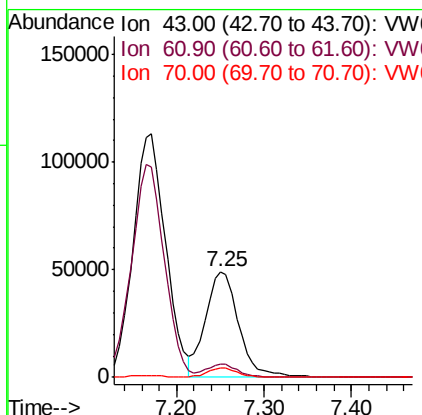
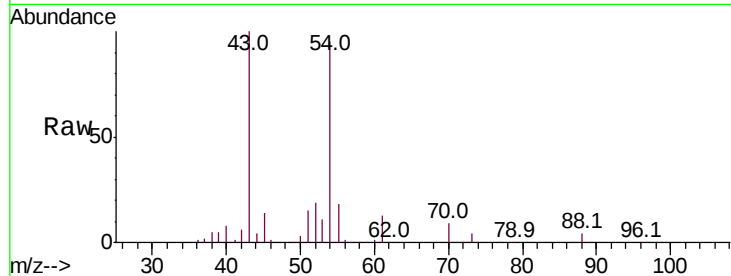




#37
Ethyl Acetate
Concen: 50.297 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

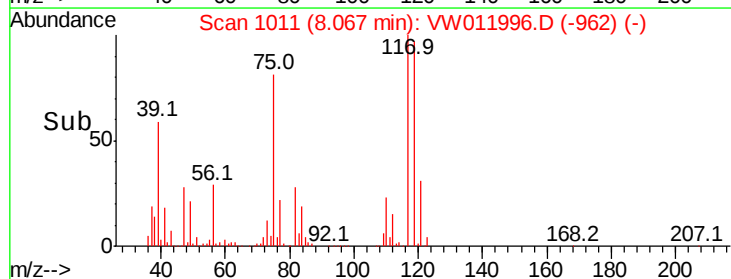
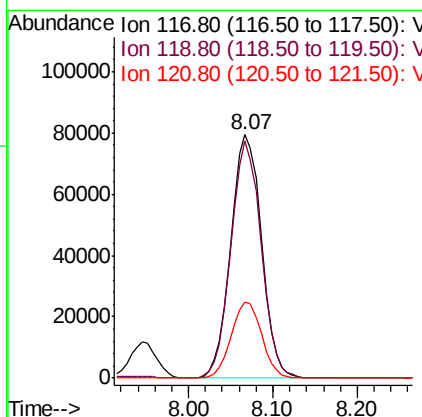
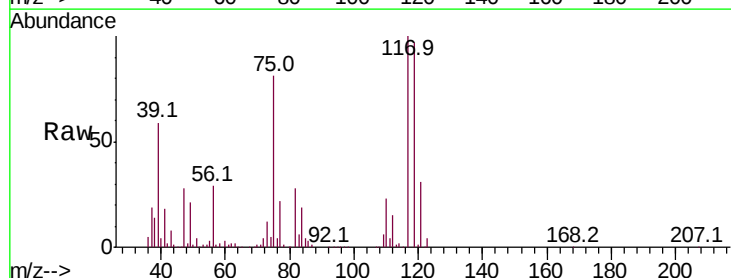
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

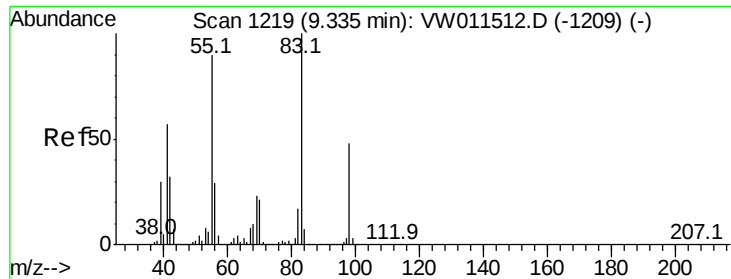
Tot Ion: 43 Resp: 127446
Ion Ratio Lower Upper
43 100
61 12.2 8.8 13.2
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 52.069 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Tgt Ion: 117 Resp: 196319
Ion Ratio Lower Upper
117 100
119 97.4 75.8 113.6
121 30.9 24.7 37.1

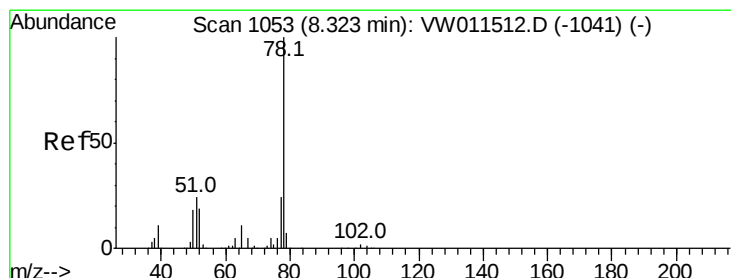
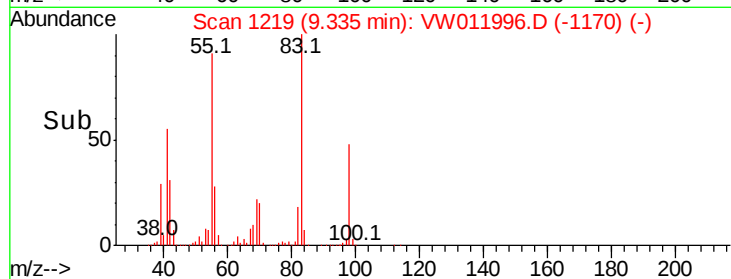
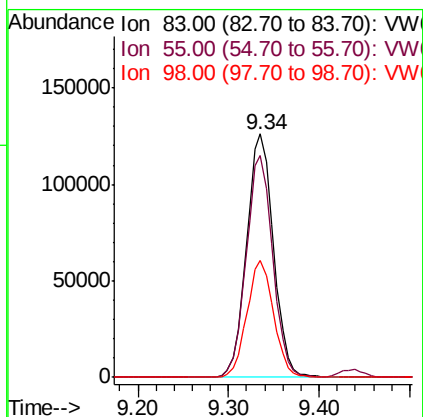
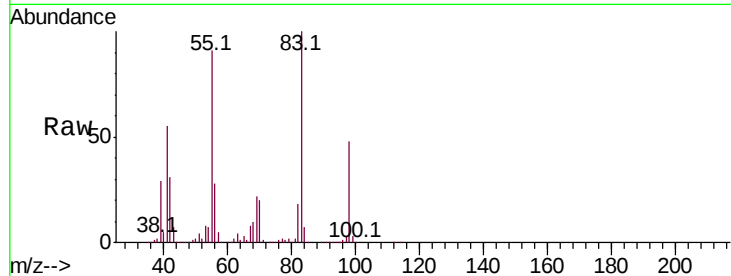




#39
Methvlcvclohexane
Concen: 53.200 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

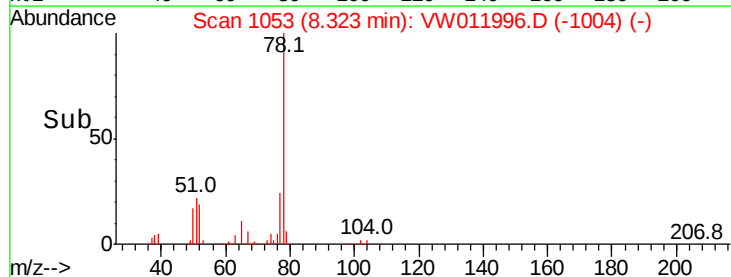
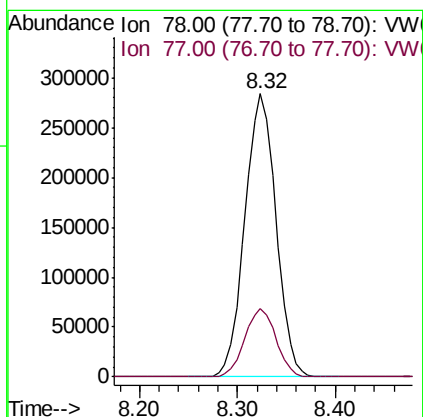
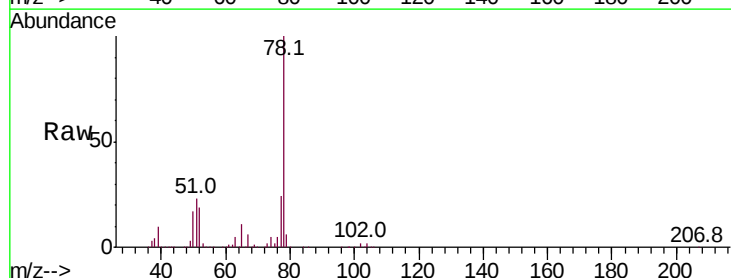
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

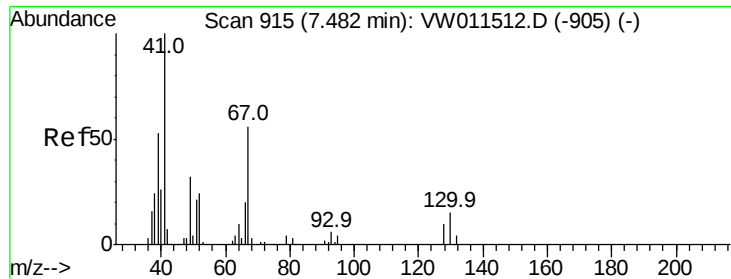
Tot Ion: 83 Resp: 257999
Ion Ratio Lower Upper
83 100
55 91.3 72.1 108.1
98 48.0 38.6 57.8



#40
Benzene
Concen: 50.916 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Tgt Ion: 78 Resp: 628133
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

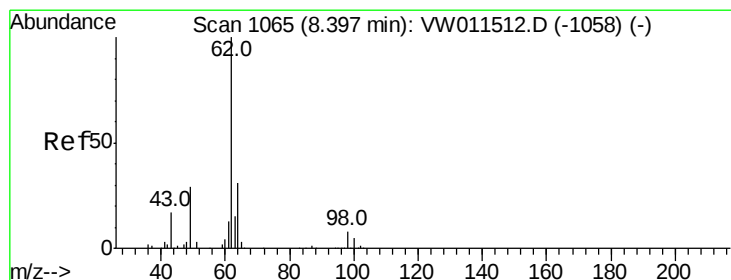
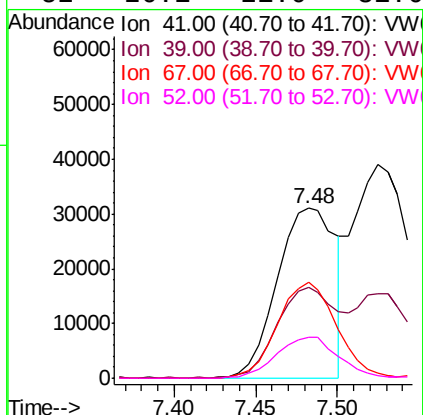
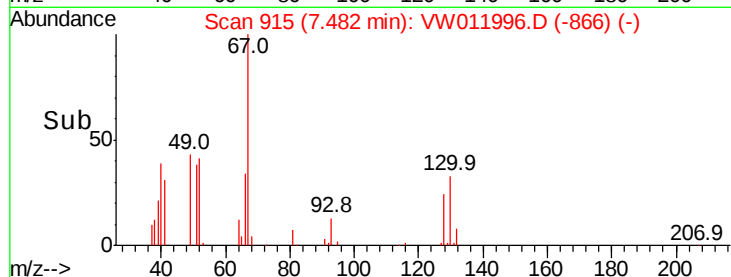
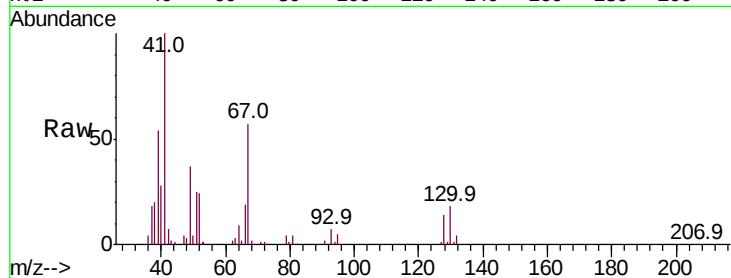




#41
Methacrylonitrile
Concen: 50.722 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

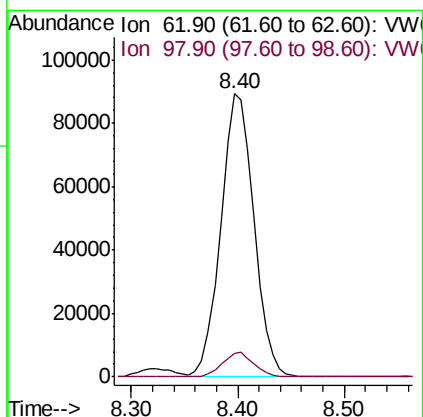
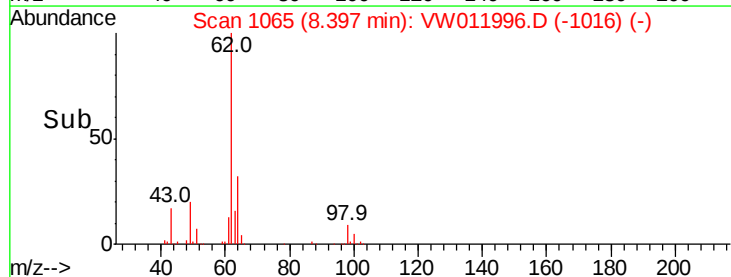
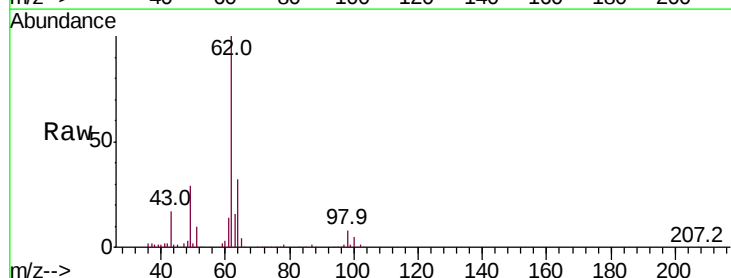
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

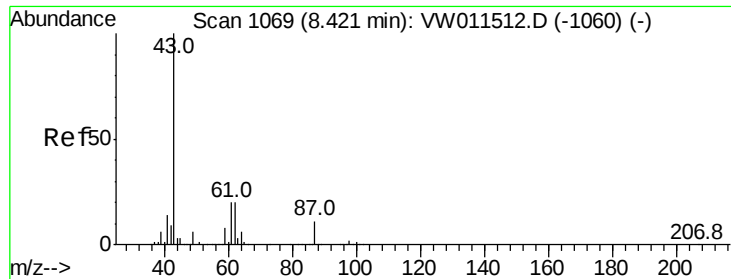
Tot Ion:	41	Resp:	76828
Ion	Ratio	Lower	Upper
41	100		
39	57.5	43.0	64.4
67	58.0	47.5	71.3
52	26.1	21.0	31.6



#42
1,2-Dichloroethane
Concen: 50.236 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Tgt Ion:	62	Resp:	194033
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 51.647 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

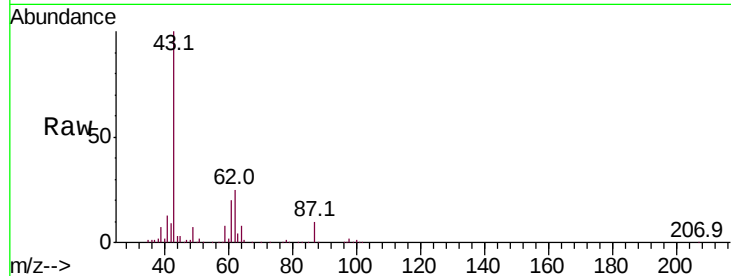
Tot Ion: 43 Resp: 240673

Ion Ratio Lower Upper

43 100

61 26.8 21.5 32.3

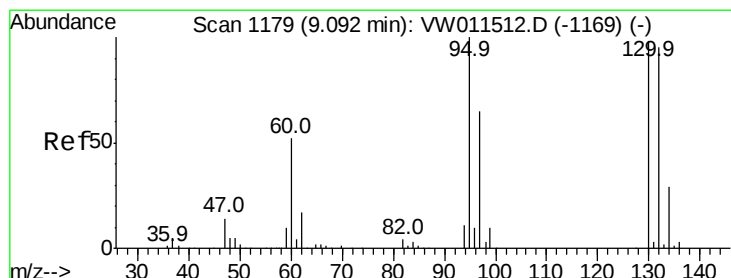
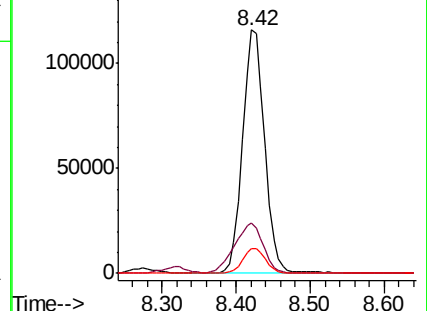
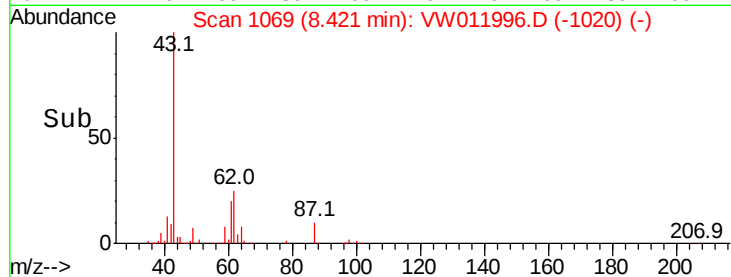
87 10.5 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.539 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011996.D

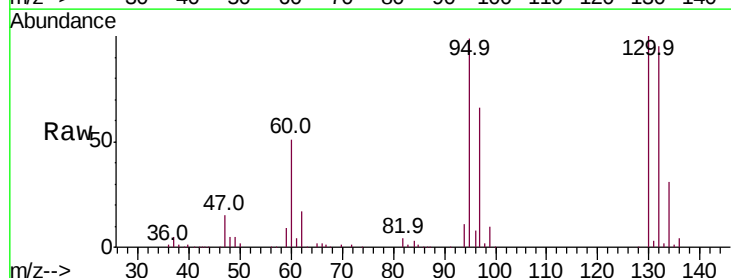
Acq: 19 Aug 2019 17:52

Tgt Ion: 130 Resp: 155782

Ion Ratio Lower Upper

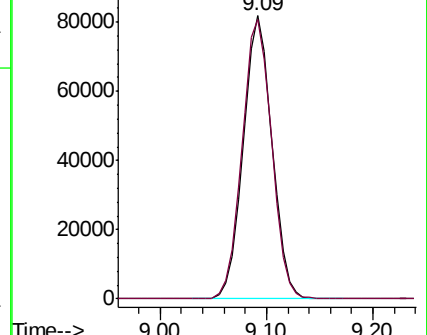
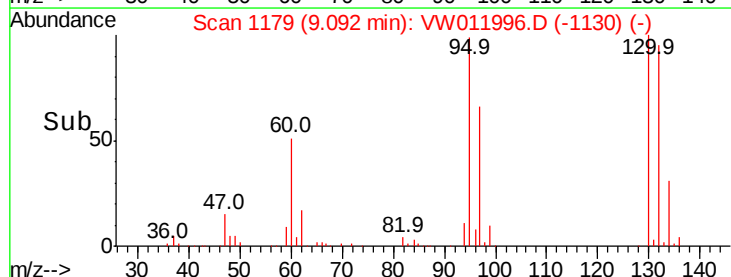
130 100

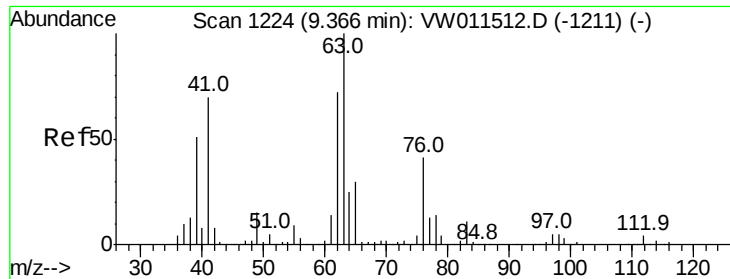
95 98.7 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 51.648 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

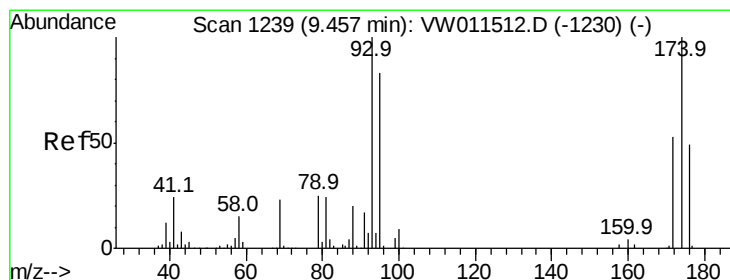
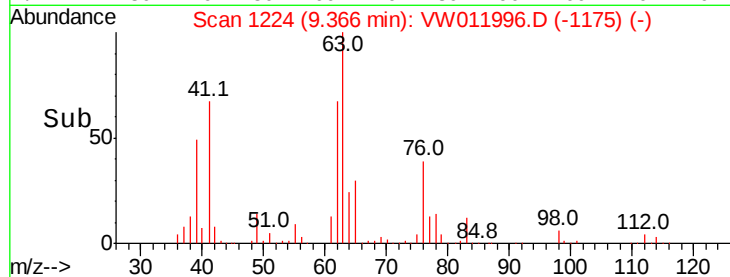
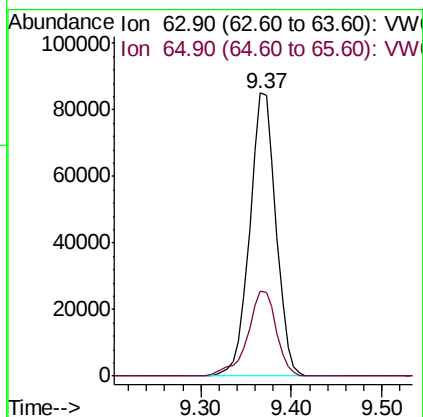
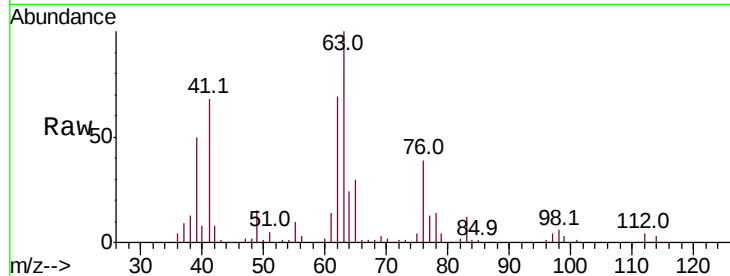
VSTDCCC050

Tot Ion: 63 Resp: 170481

Ion Ratio Lower Upper

63 100

65 30.1 24.2 36.4



#46

Dibromomethane

Concen: 50.804 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

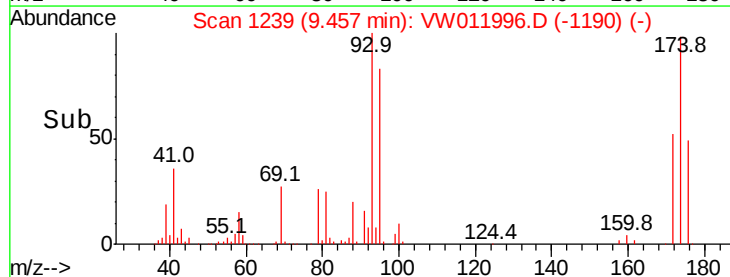
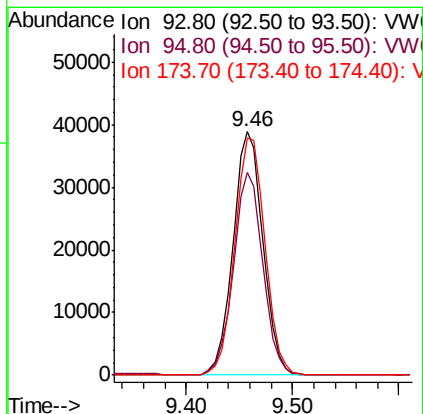
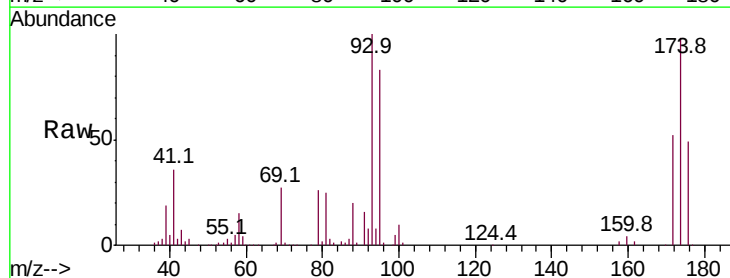
Tgt Ion: 93 Resp: 76539

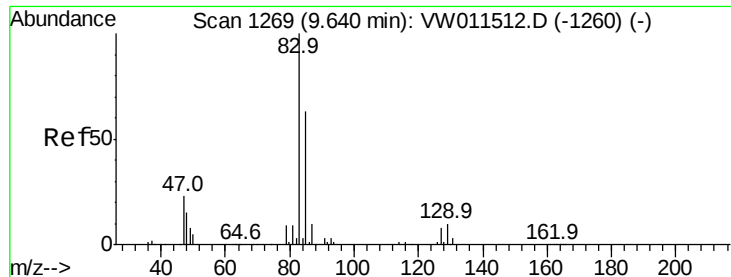
Ion Ratio Lower Upper

93 100

95 82.3 66.2 99.2

174 98.8 78.2 117.4





#47

Bromodichloromethane

Concen: 51.999 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

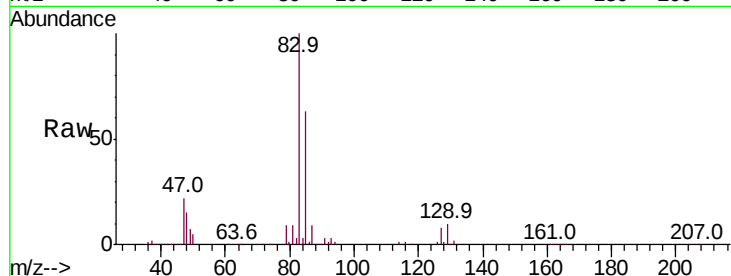
Tot Ion: 83 Resp: 205494

Ion Ratio Lower Upper

83 100

85 63.2 50.5 75.7

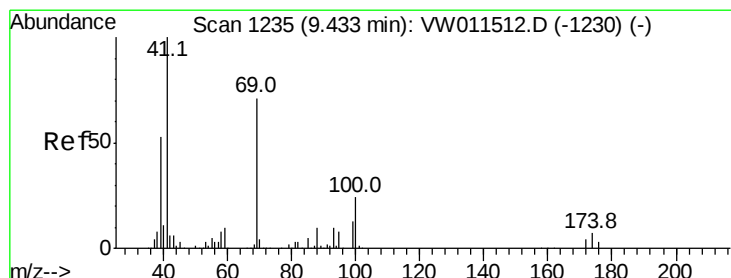
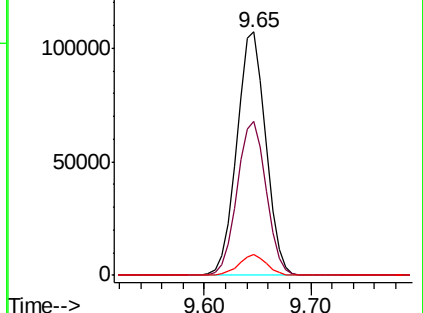
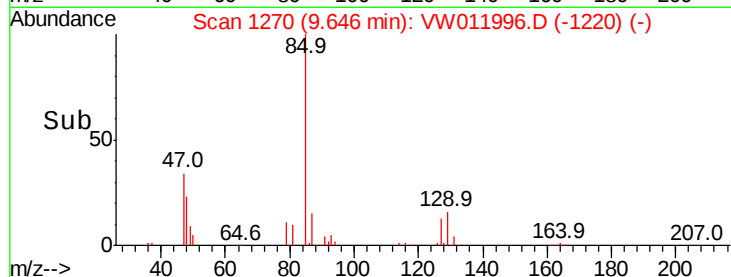
127 8.3 6.4 9.6



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): V



#48

Methyl methacrylate

Concen: 52.027 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

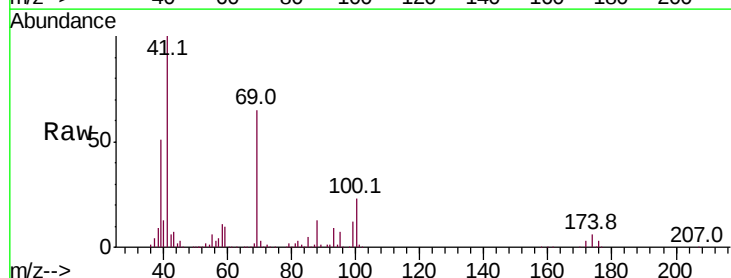
Tgt Ion: 41 Resp: 116462

Ion Ratio Lower Upper

41 100

69 73.3 57.1 85.7

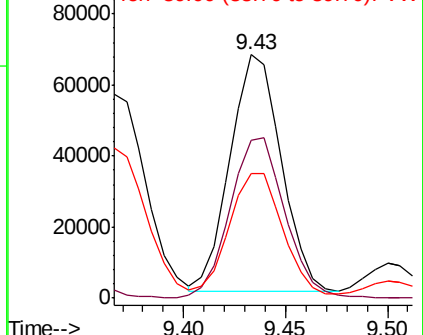
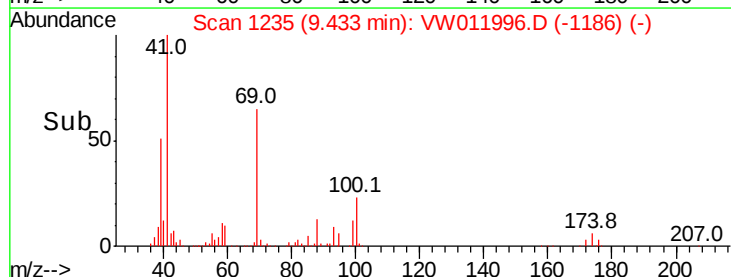
39 56.4 45.4 68.2

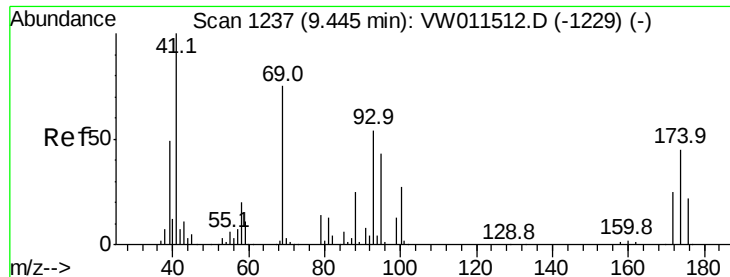


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1139.262 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

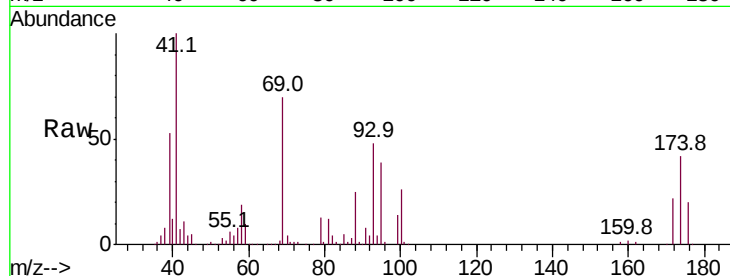
Tot Ion: 88 Resp: 24852

Ion Ratio Lower Upper

88 100

43 41.4 34.0 51.0

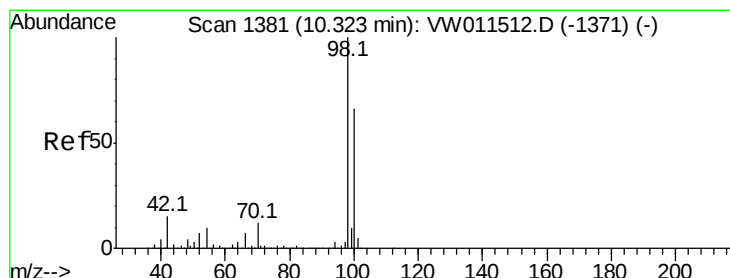
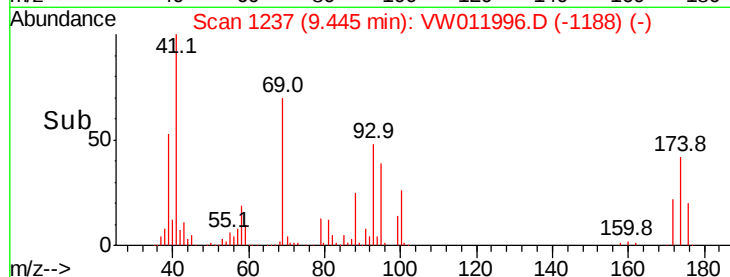
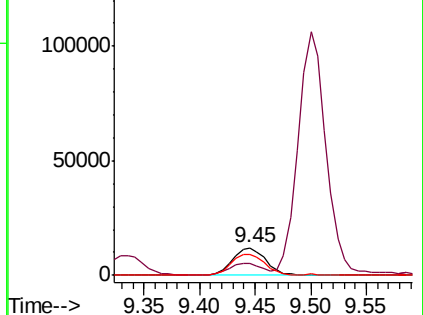
58 80.4 69.7 104.5



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: 53.385 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011996.D

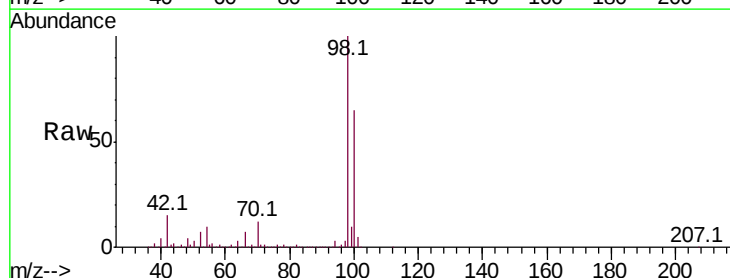
Acq: 19 Aug 2019 17:52

Tgt Ion: 98 Resp: 519389

Ion Ratio Lower Upper

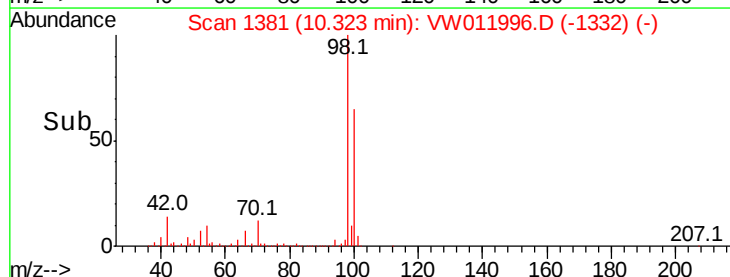
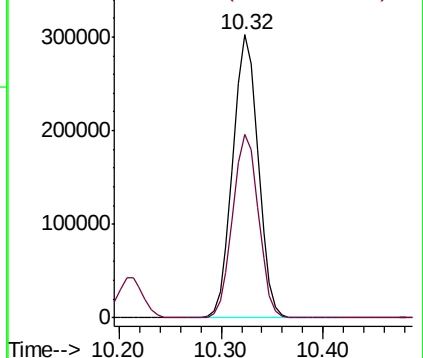
98 100

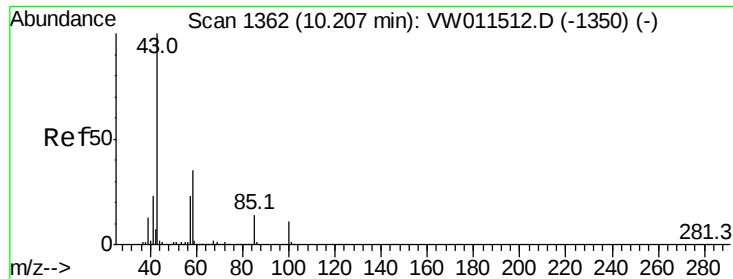
100 65.9 52.7 79.1



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: 256.576 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

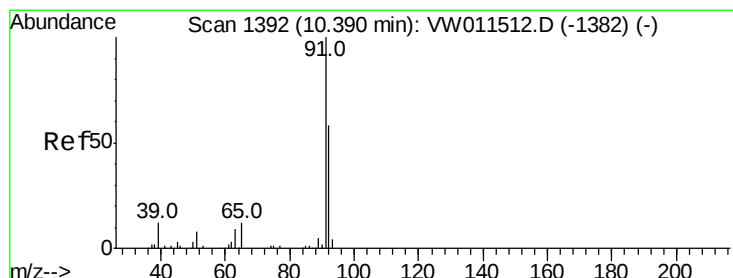
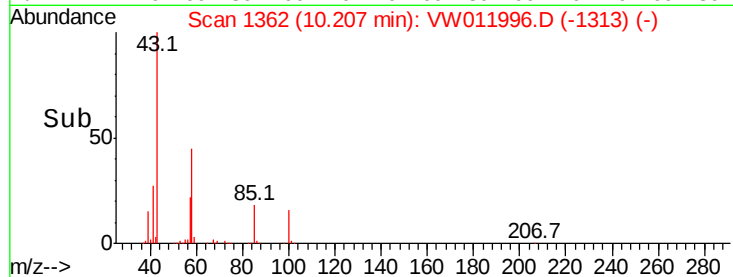
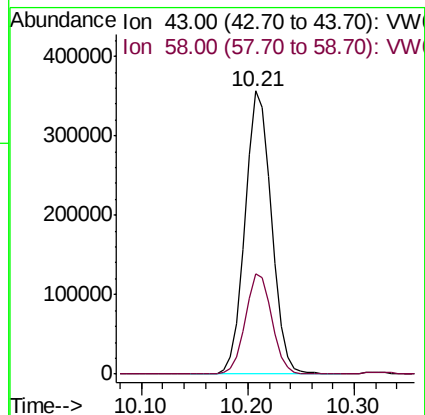
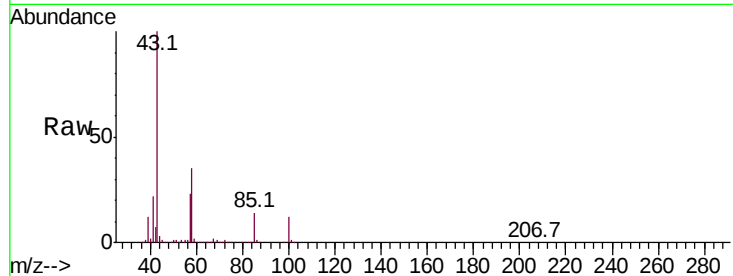
VSTDCCC050

Tot Ion: 43 Resp: 621912

Ion Ratio Lower Upper

43 100

58 35.8 28.2 42.2



#52

Toluene

Concen: 51.616 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011996.D

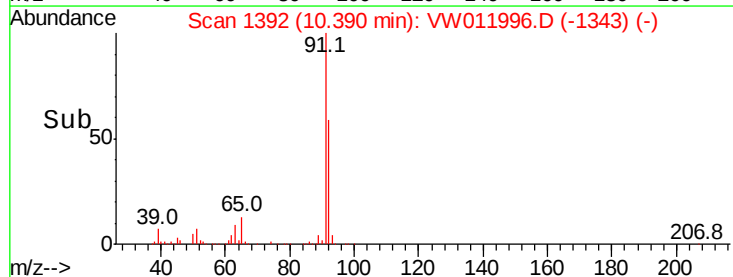
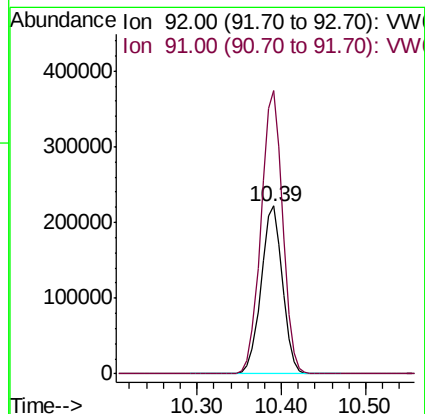
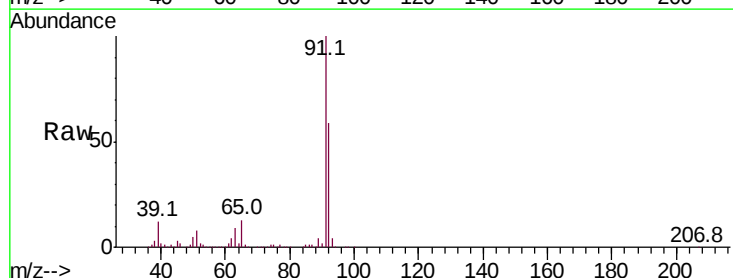
Acq: 19 Aug 2019 17:52

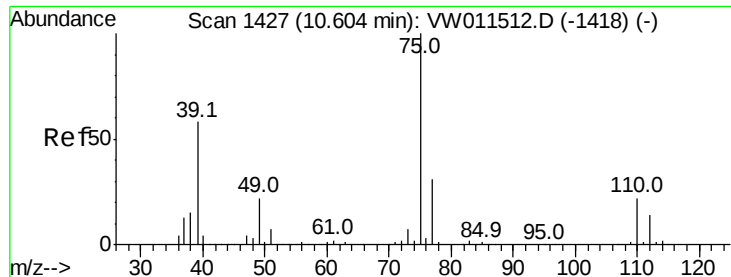
Tgt Ion: 92 Resp: 384537

Ion Ratio Lower Upper

92 100

91 170.6 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 52.279 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampled :

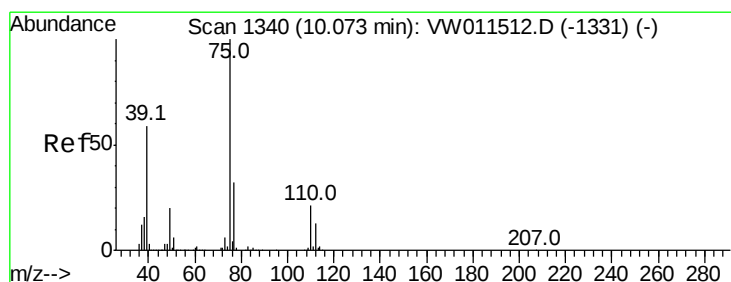
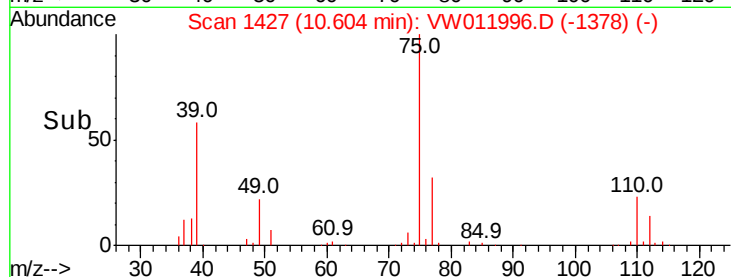
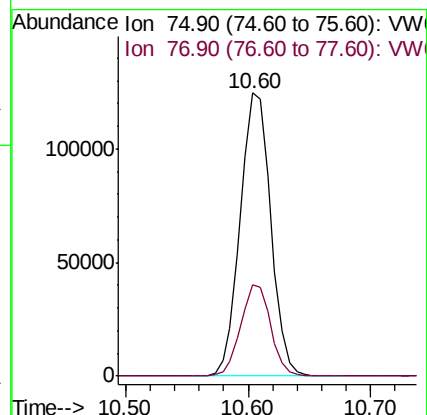
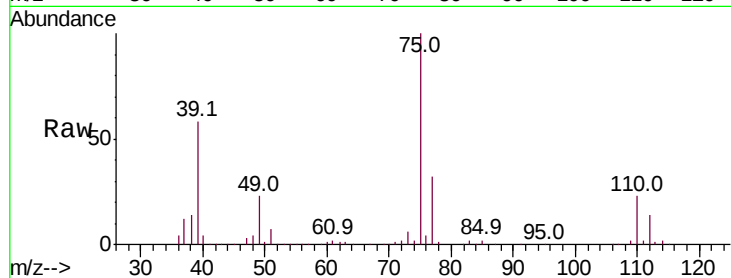
VSTDCCC050

Tot Ion: 75 Resp: 215819

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 52.286 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

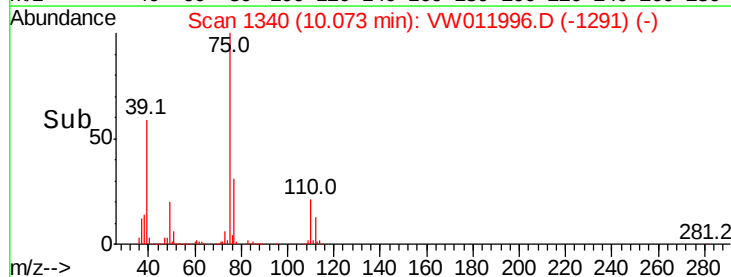
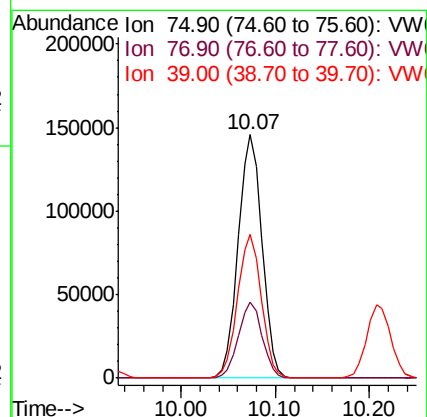
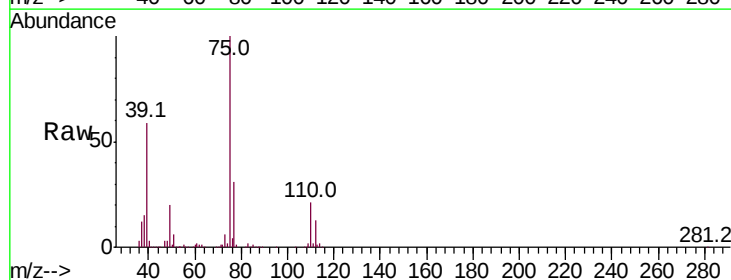
Tgt Ion: 75 Resp: 256642

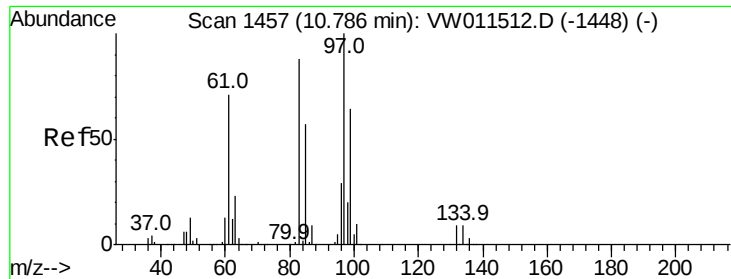
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 59.2 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 51.558 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

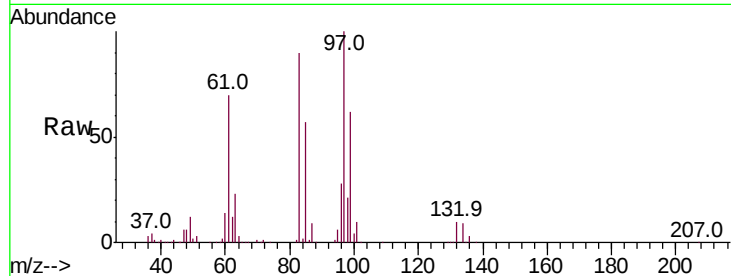
MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 110210

Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.5	105.7
85	56.9	45.8	68.6
99	62.2	51.0	76.4



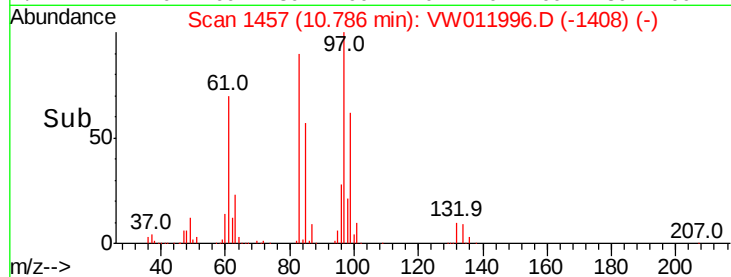
Abundance

Ion 96.90 (96.60 to 97.60): VW

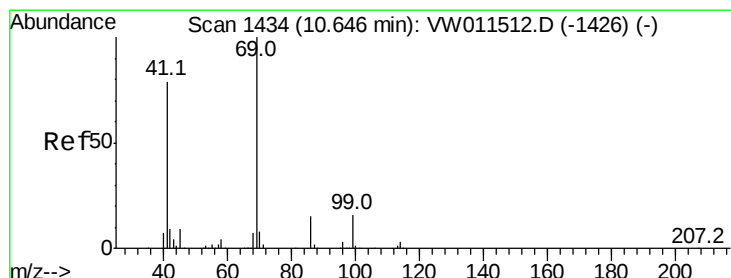
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



Time-->



#56

Ethyl methacrylate

Concen: 53.889 ug/l

RT: 10.65 min Scan# 1434

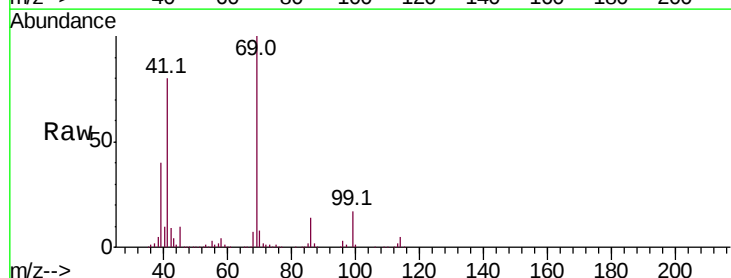
Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Tgt Ion: 69 Resp: 168563

Ion	Ratio	Lower	Upper
69	100		
41	81.0	66.6	99.8
39	37.7	30.3	45.5

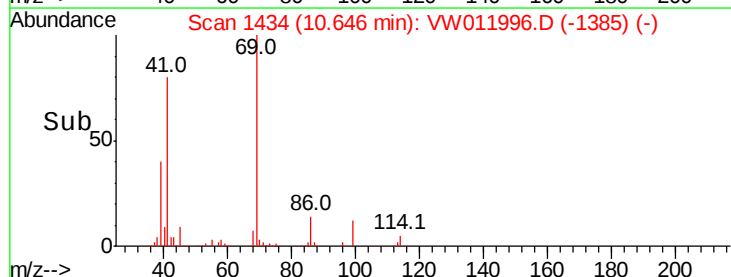


Abundance

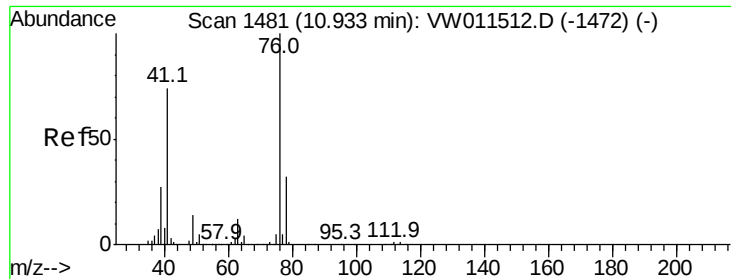
Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



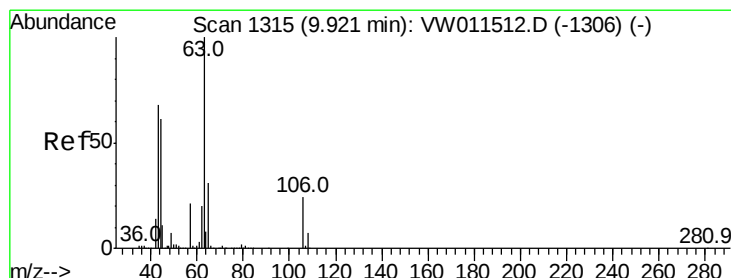
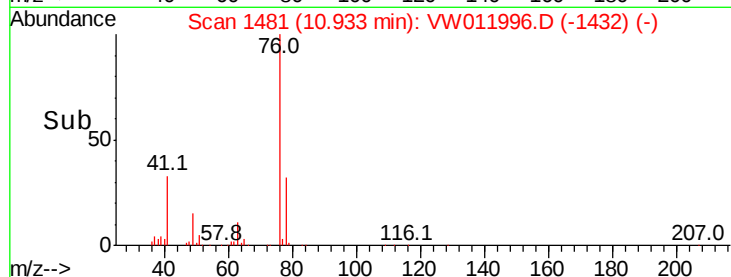
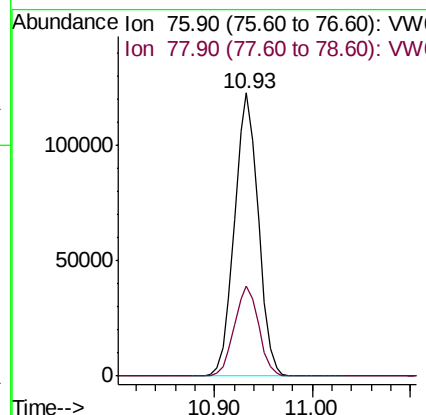
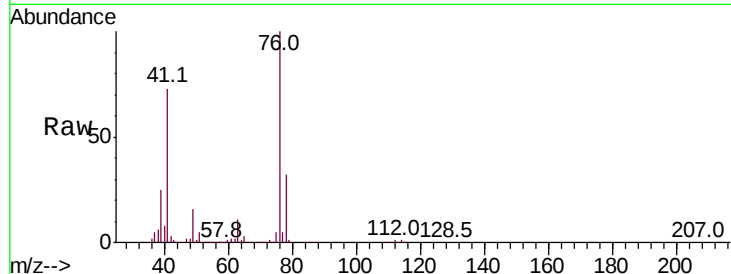
Time-->



#57
 1,3-Dichloropropane
 Concen: 51.076 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

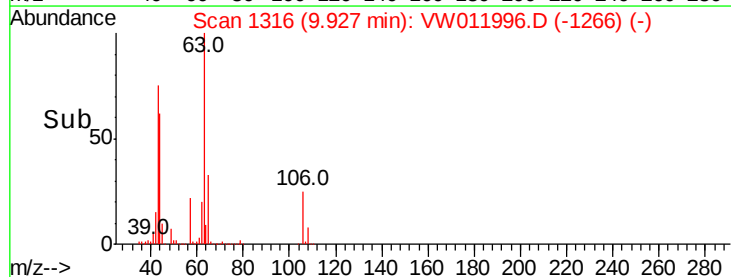
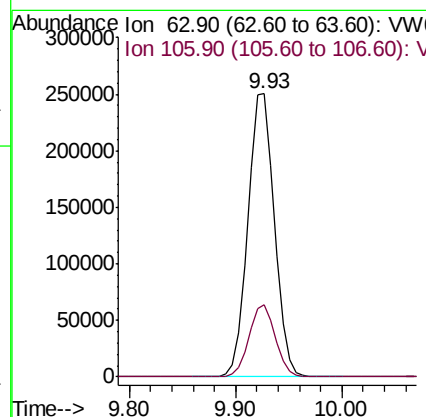
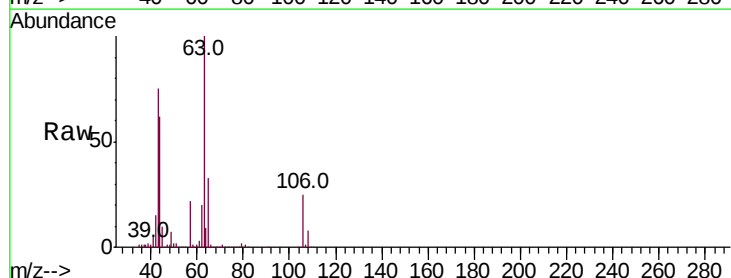
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

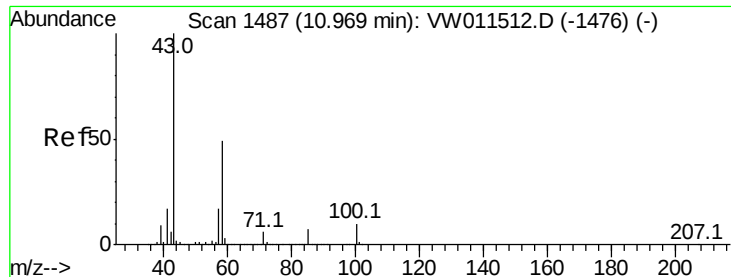
Tot Ion: 76 Resp: 206556
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 309.614 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

Tgt Ion: 63 Resp: 439723
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.7 29.5

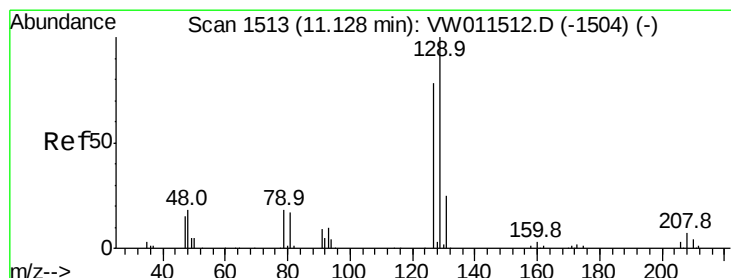
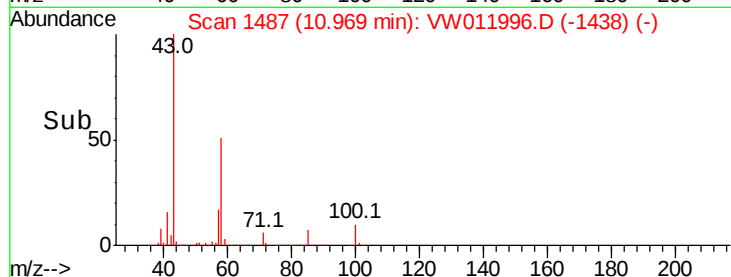
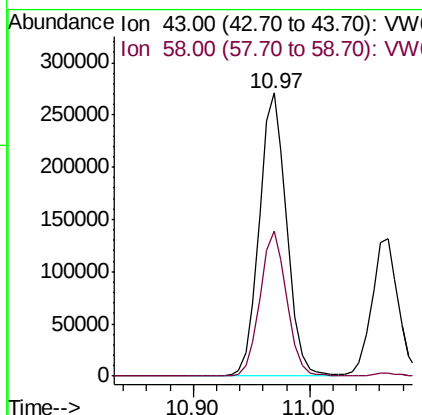
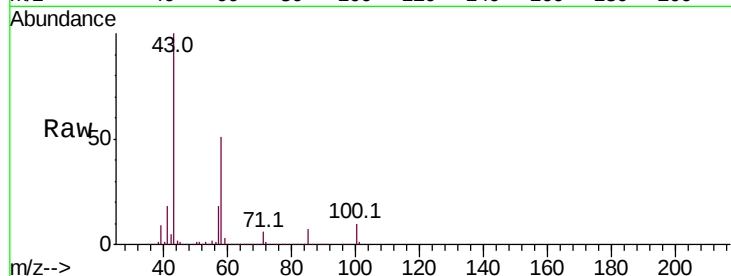




#59
2-Hexanone
Concen: 258.777 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

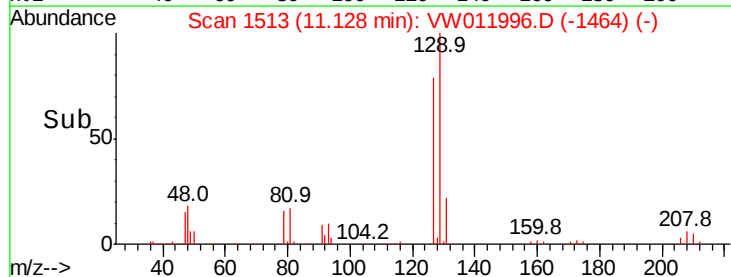
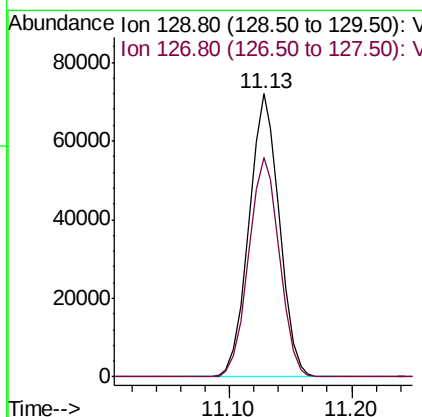
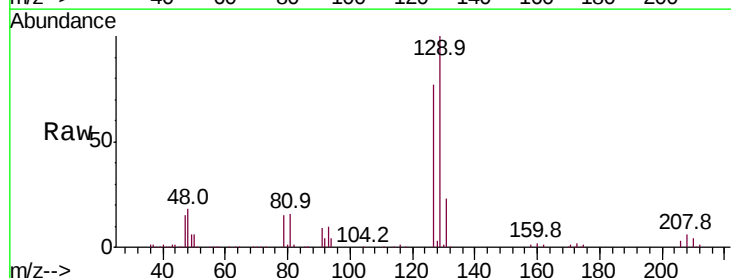
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

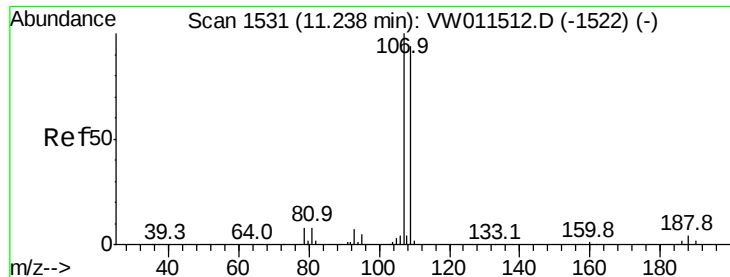
Tot Ion: 43 Resp: 442877
Ion Ratio Lower Upper
43 100
58 50.0 24.3 72.9



#60
Dibromochloromethane
Concen: 52.461 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Tgt Ion: 129 Resp: 124479
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7

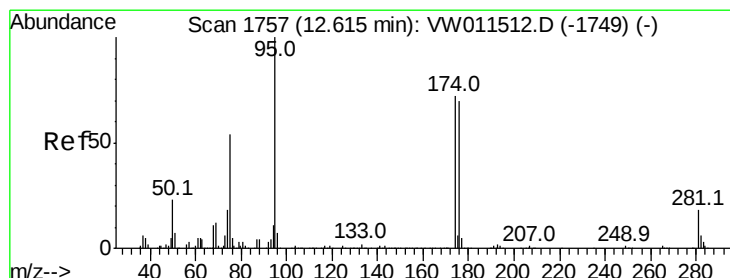
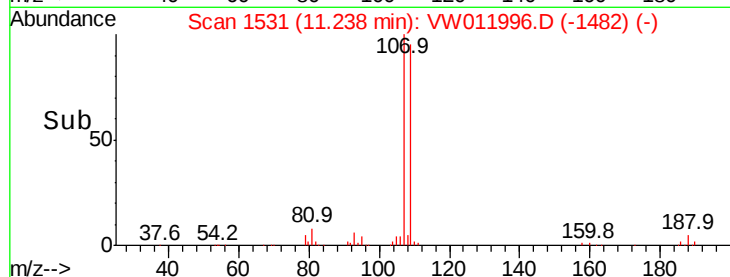
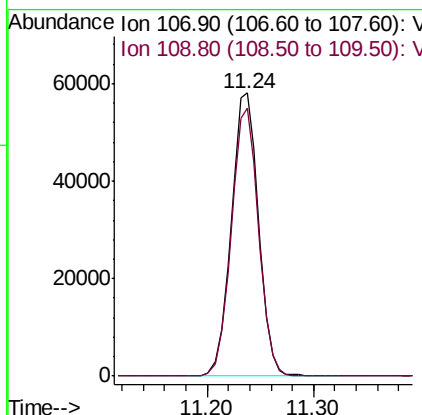
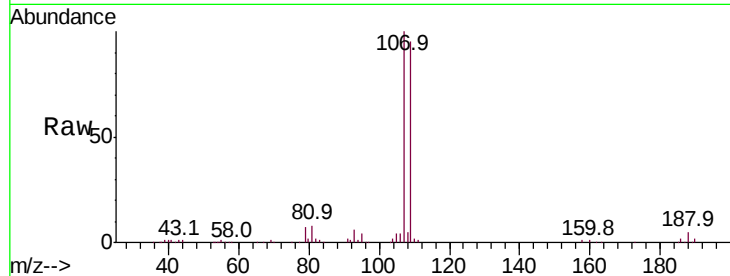




#61
 1,2-Dibromoethane
 Concen: 51.402 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

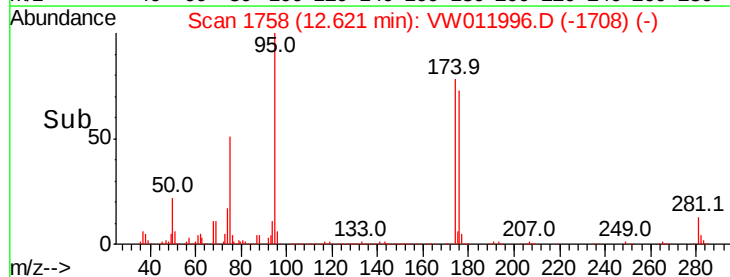
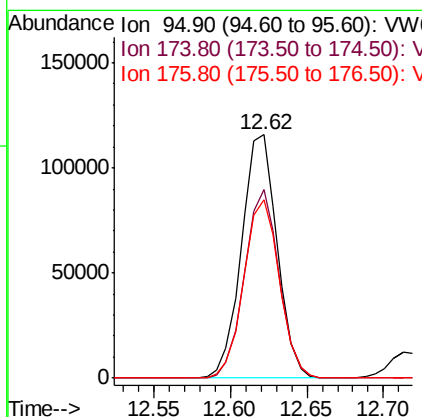
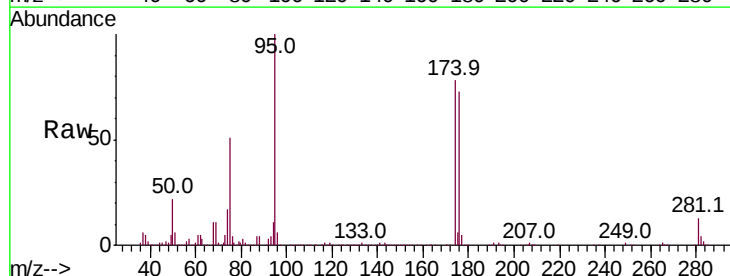
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

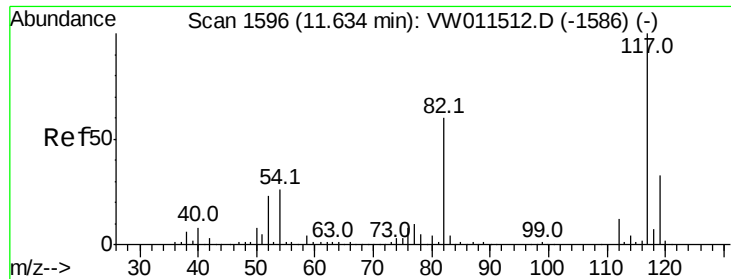
Tot Ion:107 Resp: 103981
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.771 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

Tgt Ion: 95 Resp: 186510
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 150.2
 176 73.7 0.0 144.4

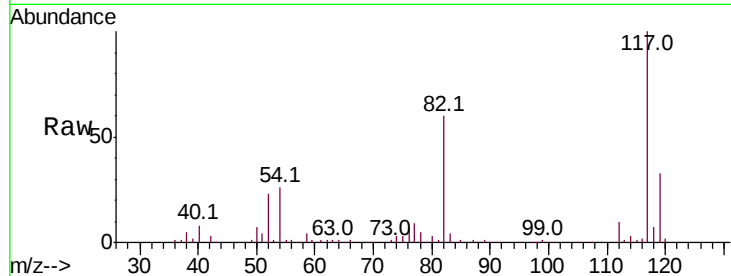




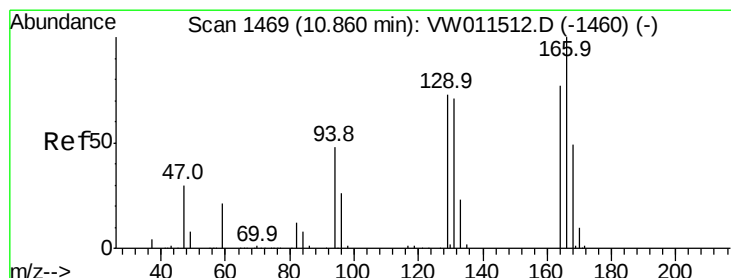
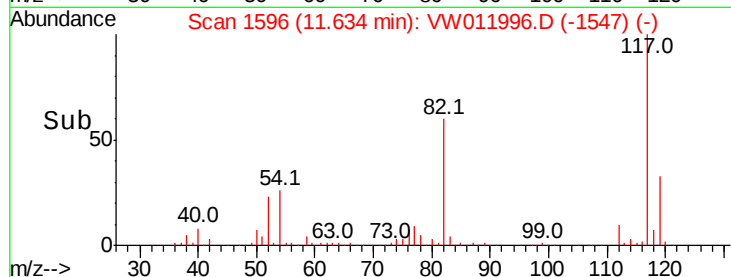
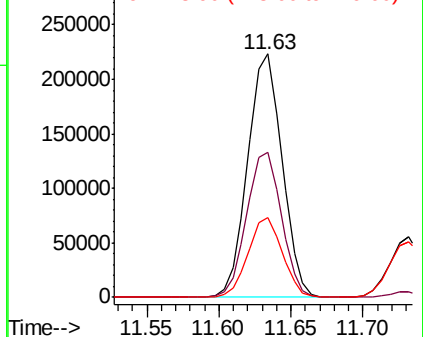
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 369402
Ion Ratio Lower Upper
117 100
82 59.6 47.9 71.9
119 32.5 26.2 39.2

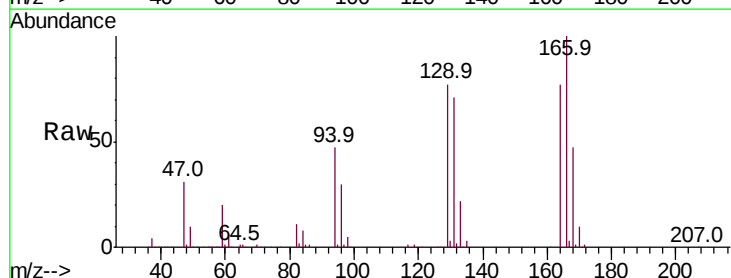


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

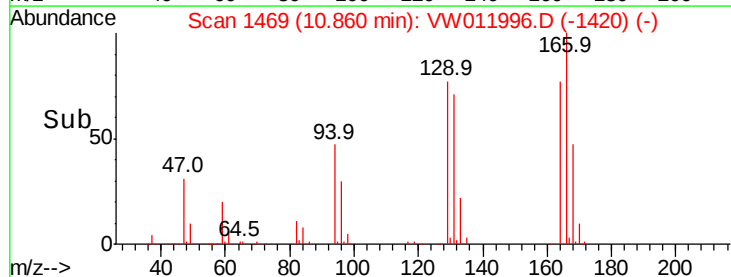
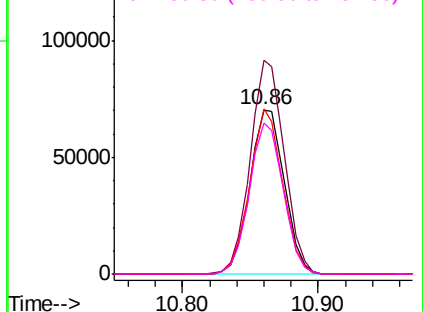


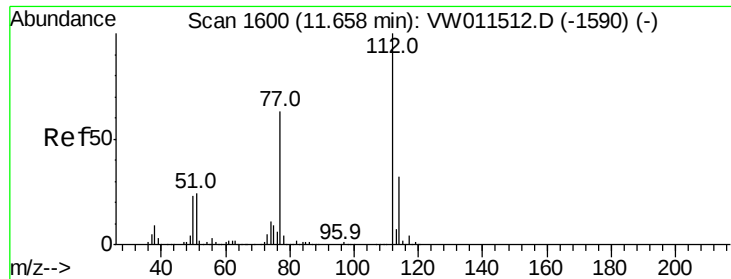
#64
Tetrachloroethene
Concen: 52.161 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Tgt Ion:164 Resp: 125457
Ion Ratio Lower Upper
164 100
166 130.1 103.5 155.3
129 100.2 75.2 112.8
131 92.0 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: 52.024 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

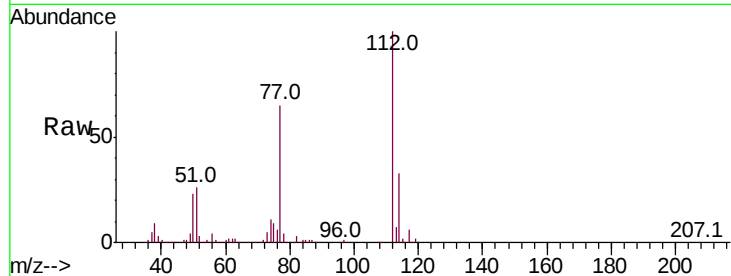
VSTDCCC050

Tot Ion:112 Resp: 386368

Ion Ratio Lower Upper

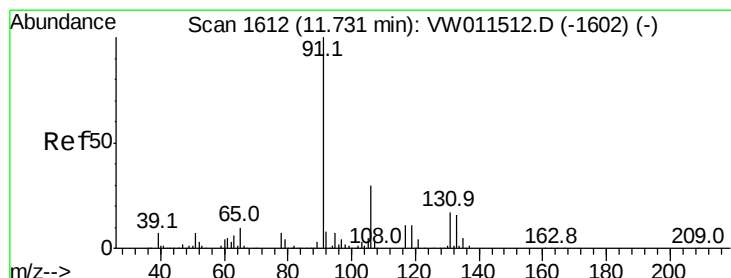
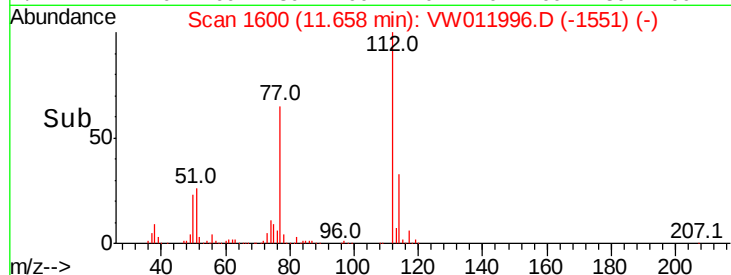
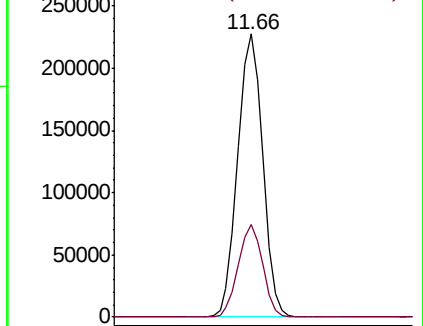
112 100

114 32.7 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.510 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

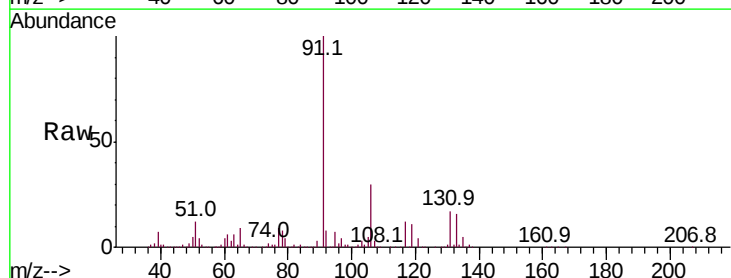
Tgt Ion:131 Resp: 138425

Ion Ratio Lower Upper

131 100

133 93.9 47.4 142.2

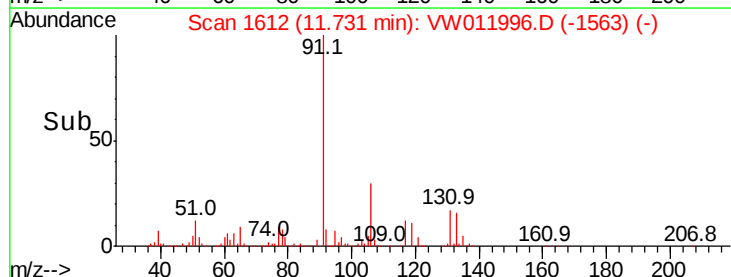
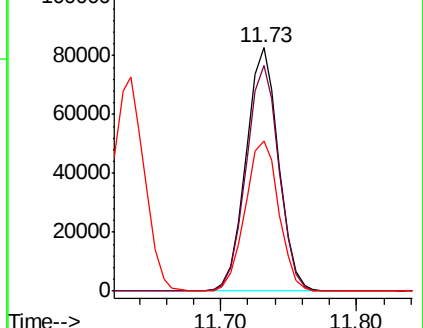
119 63.9 32.3 96.9

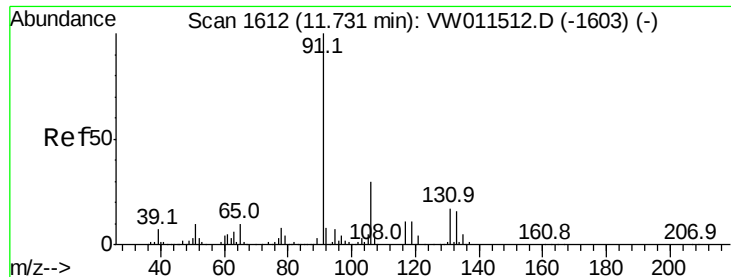


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.046 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

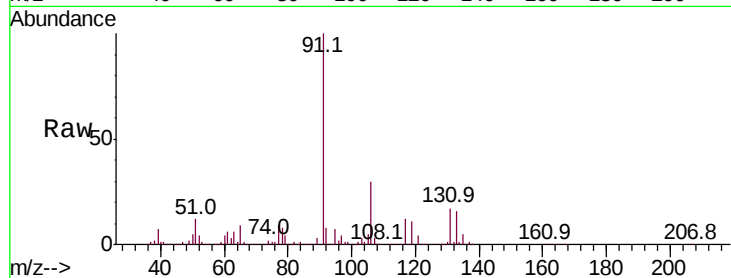
VSTDCCC050

Tot Ion: 91 Resp: 750304

Ion Ratio Lower Upper

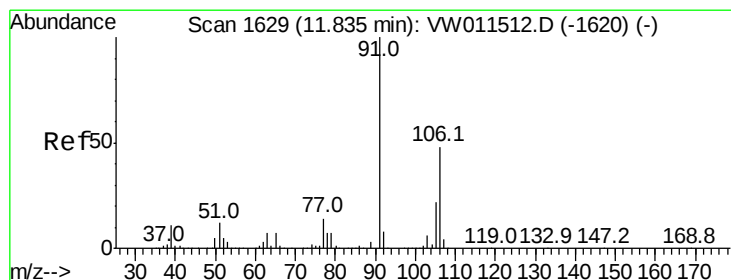
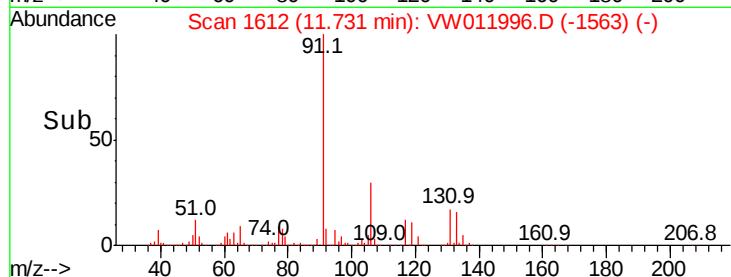
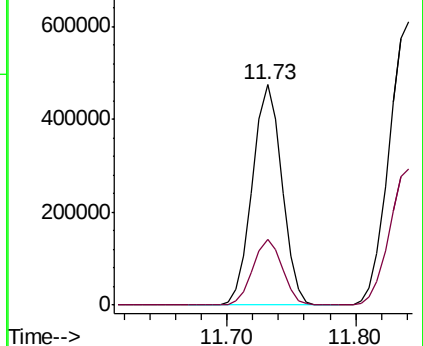
91 100

106 29.7 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 105.843 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011996.D

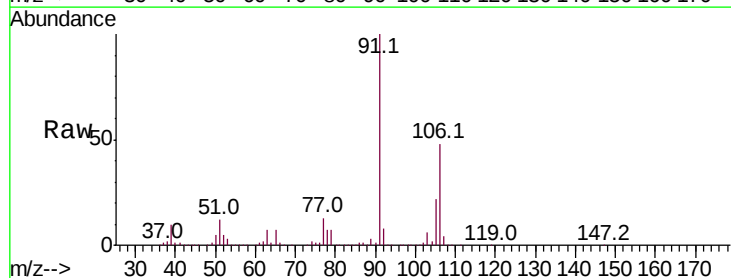
Acq: 19 Aug 2019 17:52

Tgt Ion:106 Resp: 544449

Ion Ratio Lower Upper

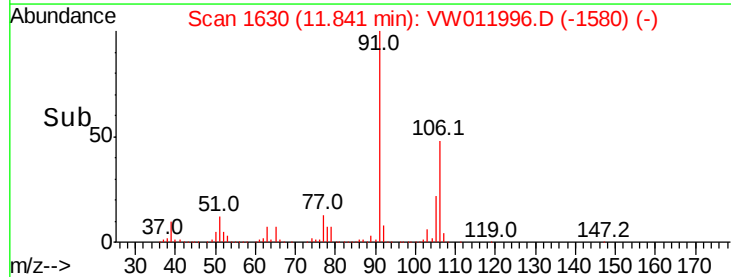
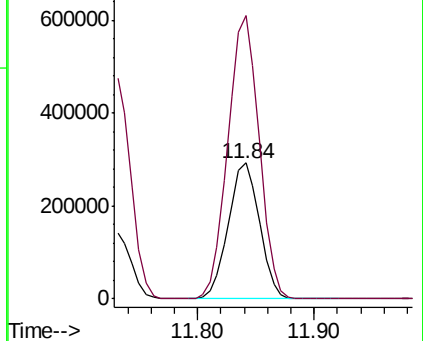
106 100

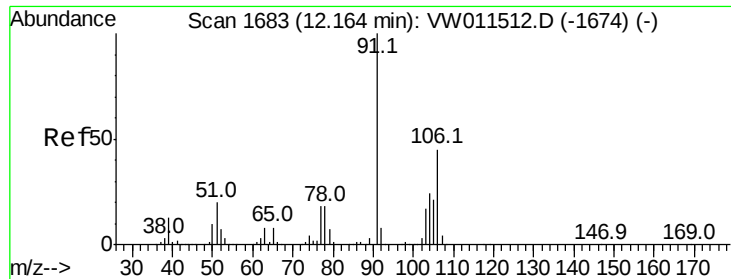
91 208.8 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

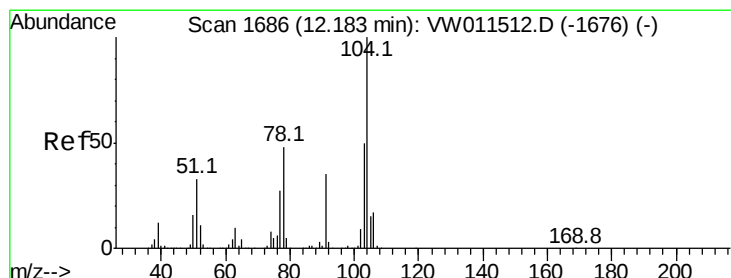
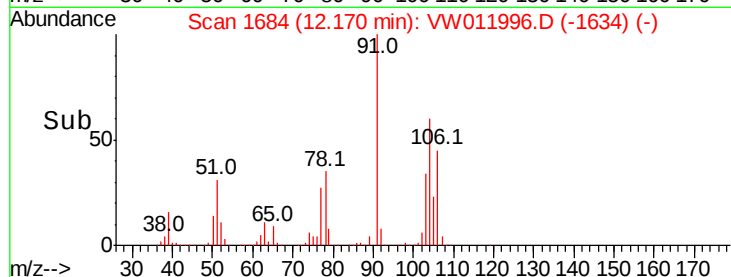
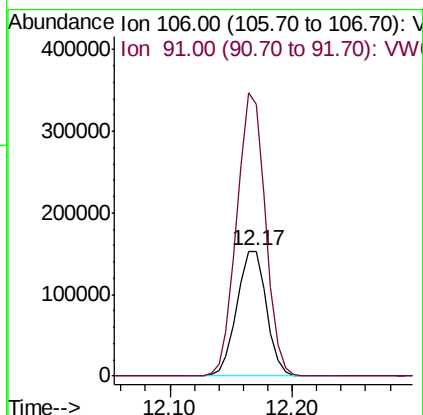
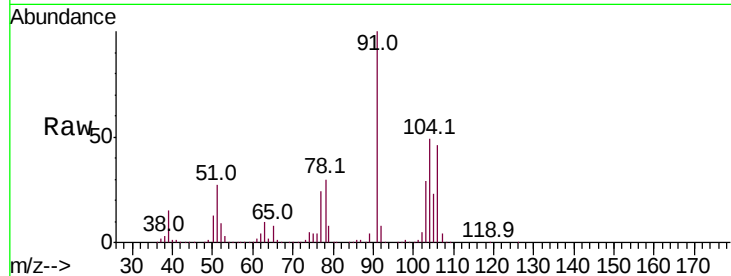




#69
o-Xylene
Concen: 53.569 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

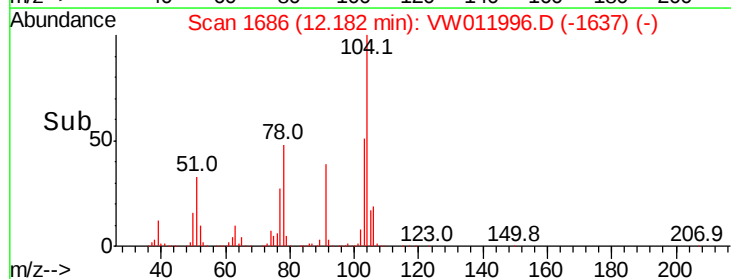
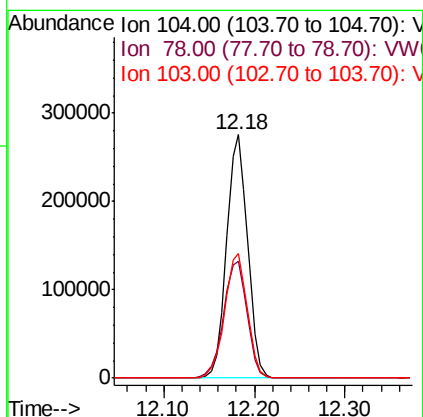
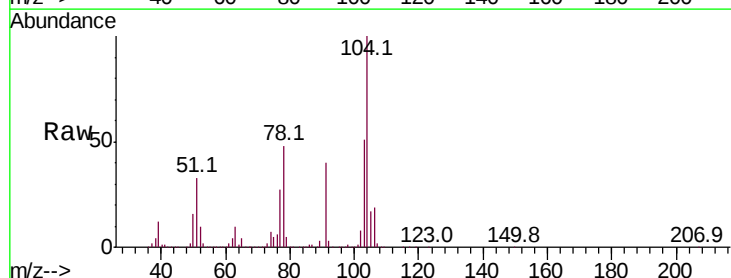
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

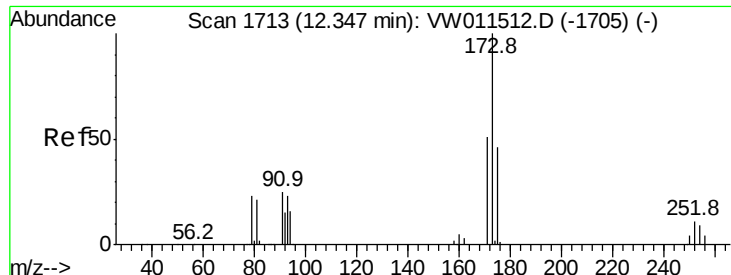
Tot Ion:106 Resp: 256061
Ion Ratio Lower Upper
106 100
91 219.6 110.5 331.5



#70
Styrene
Concen: 53.493 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Tgt Ion:104 Resp: 442104
Ion Ratio Lower Upper
104 100
78 53.8 43.4 65.0
103 55.0 43.9 65.9

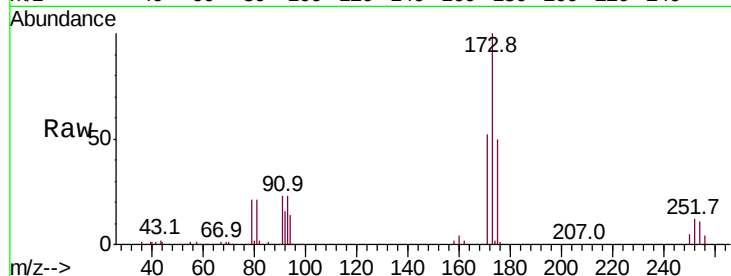




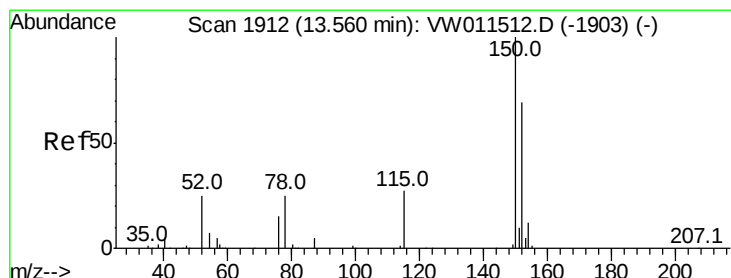
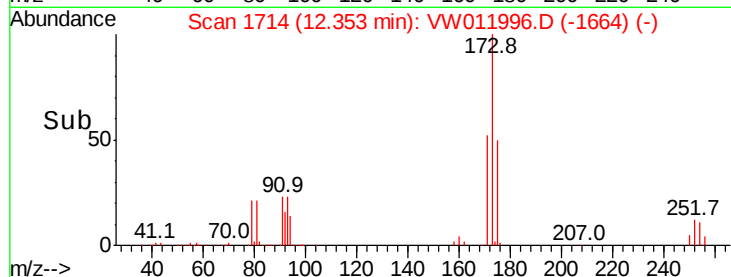
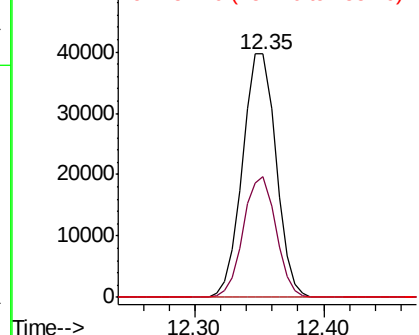
#71
Bromoform
Concen: 54.196 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 71483
Ion Ratio Lower Upper
173 100
175 48.2 23.6 71.0
254 0.2 0.1 0.1#

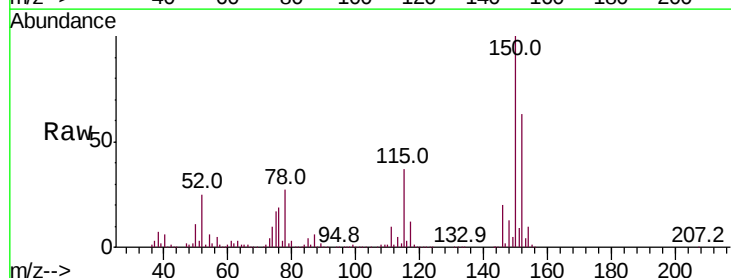


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

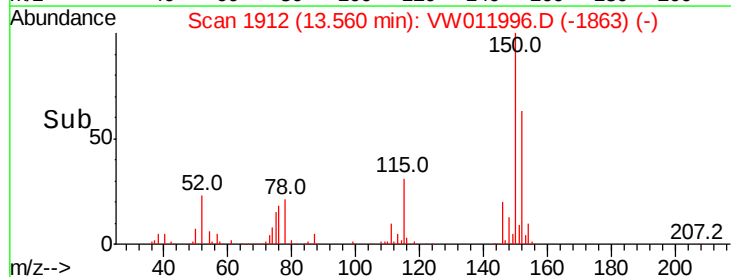
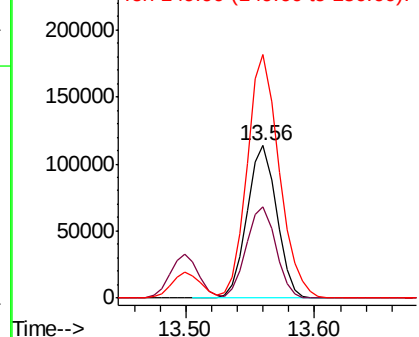


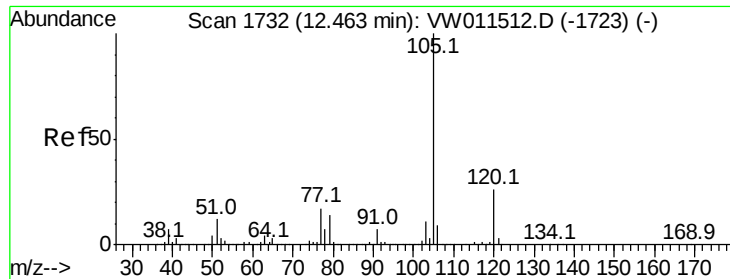
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Tgt Ion:152 Resp: 179852
Ion Ratio Lower Upper
152 100
115 59.8 30.5 91.5
150 172.7 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: 53.291 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

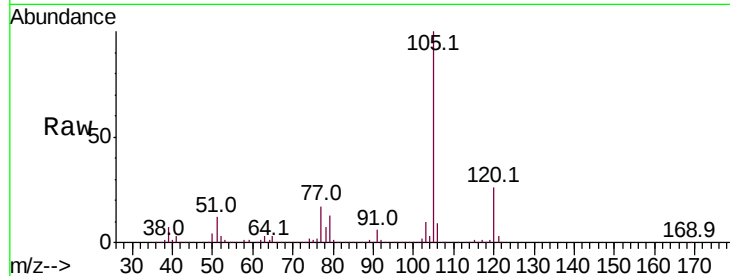
VSTDCCC050

Tot Ion:105 Resp: 715031

Ion Ratio Lower Upper

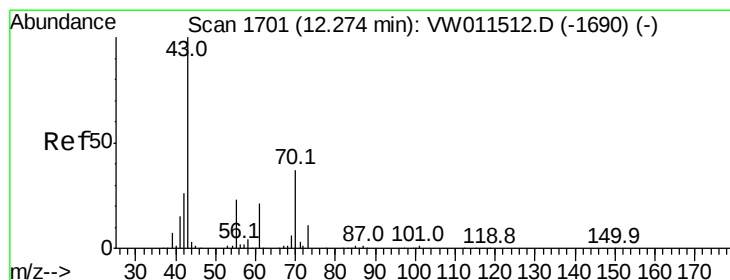
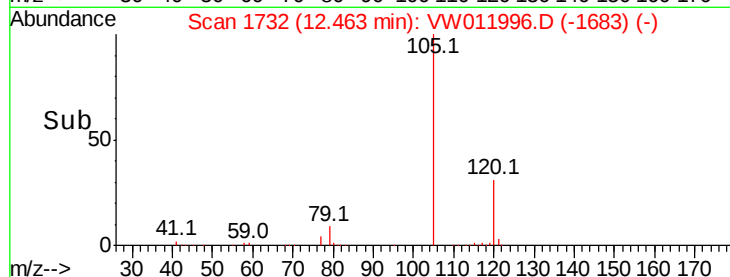
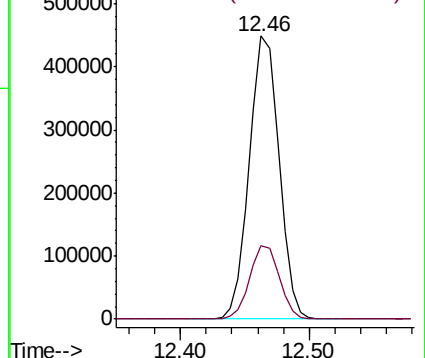
105 100

120 25.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.282 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Tgt Ion: 43 Resp: 228019

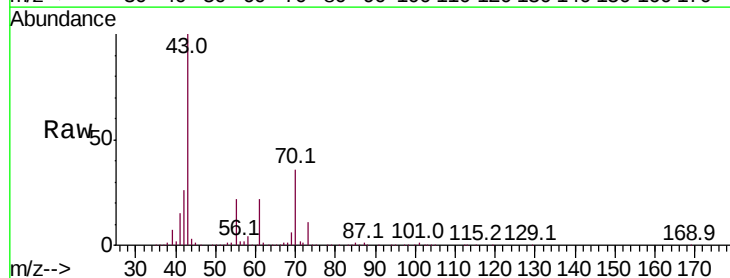
Ion Ratio Lower Upper

43 100

70 36.4 28.6 43.0

55 22.6 17.8 26.8

61 21.6 17.0 25.6

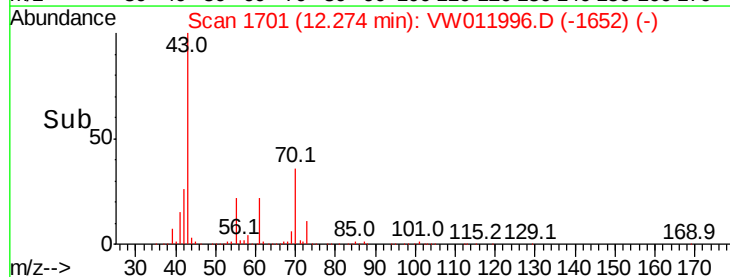
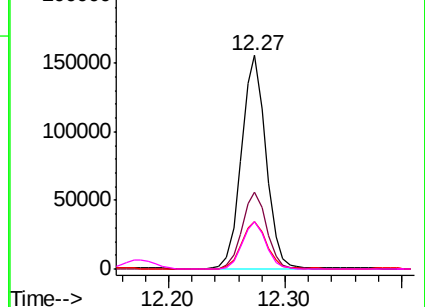


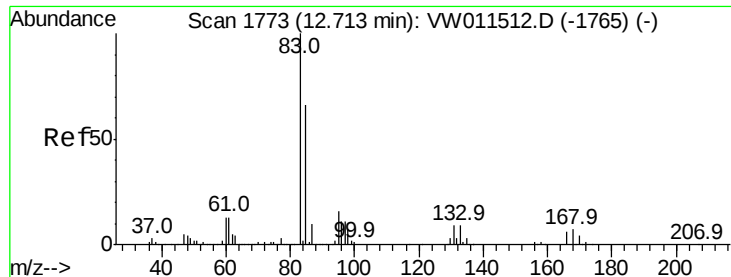
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 52.065 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

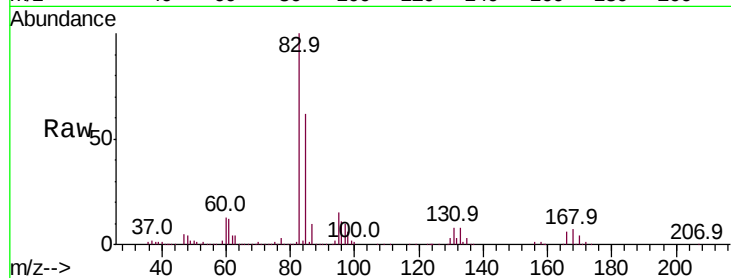
Tot Ion: 83 Resp: 131401

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.6

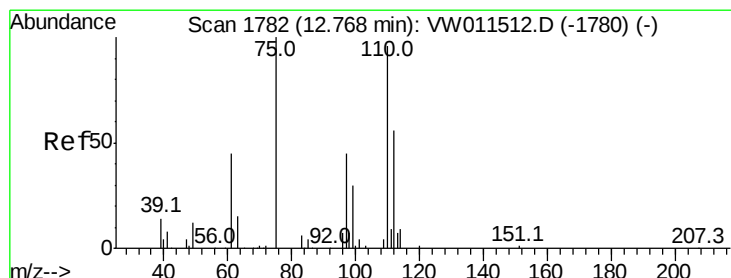
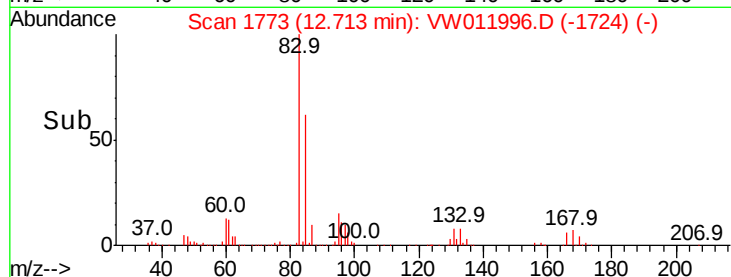
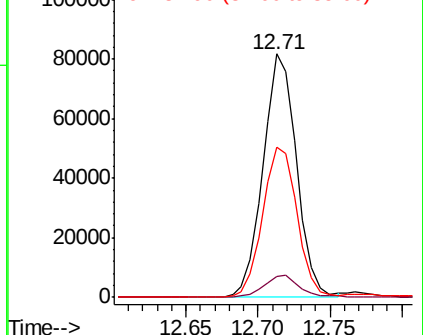
85 63.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 93.156 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011996.D

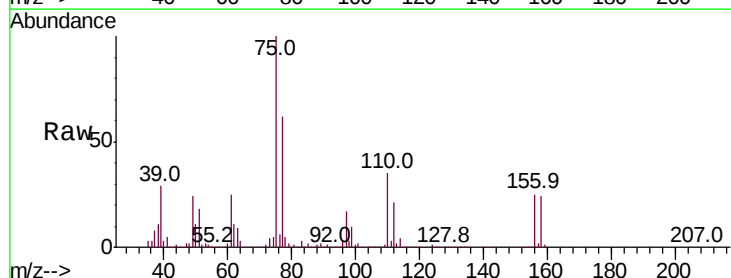
Acq: 19 Aug 2019 17:52

Tgt Ion: 75 Resp: 177280

Ion Ratio Lower Upper

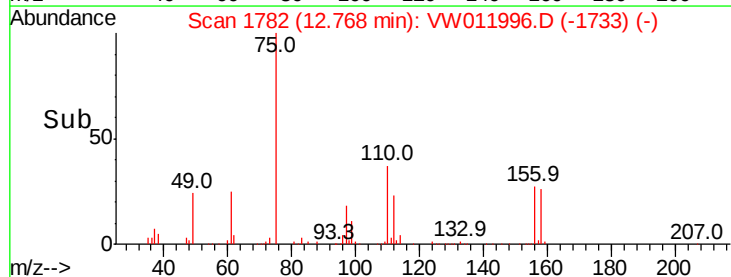
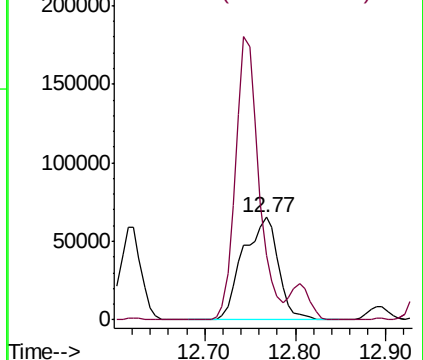
75 100

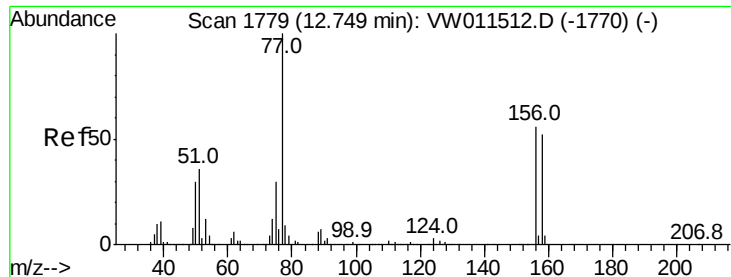
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.240 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

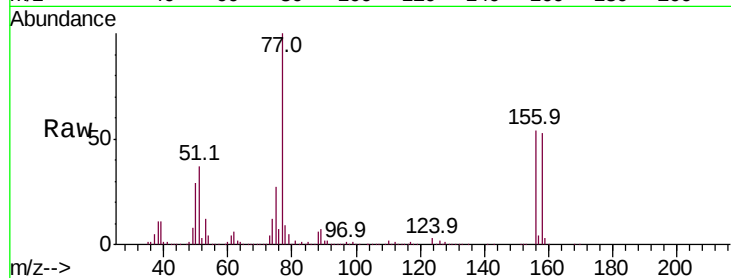
Tot Ion:156 Resp: 154926

Ion Ratio Lower Upper

156 100

77 210.3 106.5 319.4

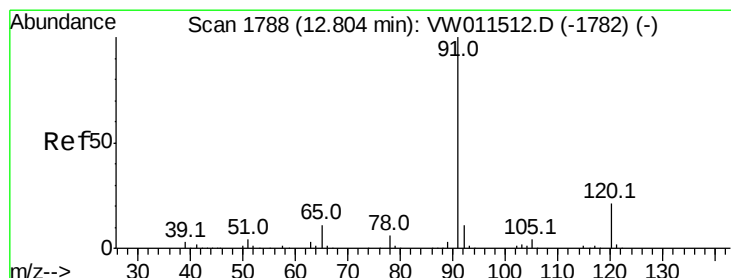
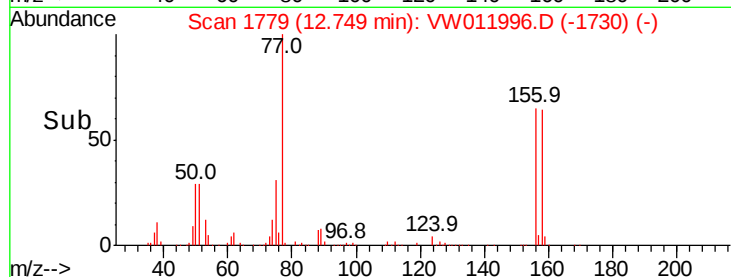
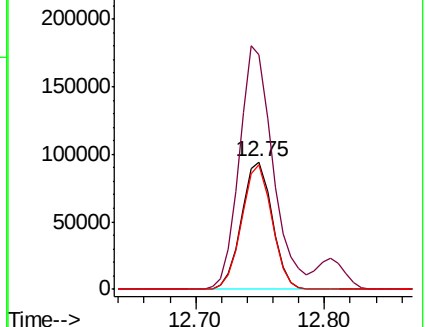
158 96.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.313 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011996.D

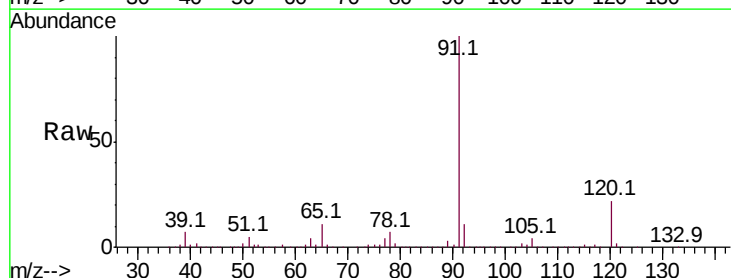
Acq: 19 Aug 2019 17:52

Tgt Ion: 91 Resp: 870554

Ion Ratio Lower Upper

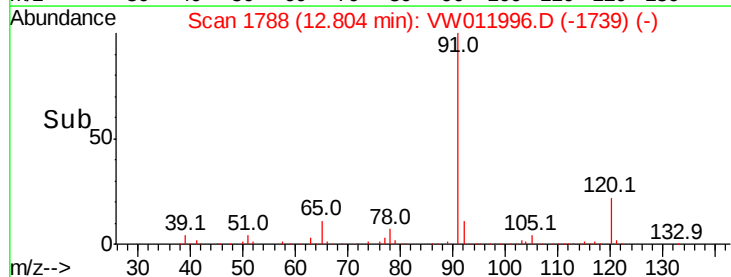
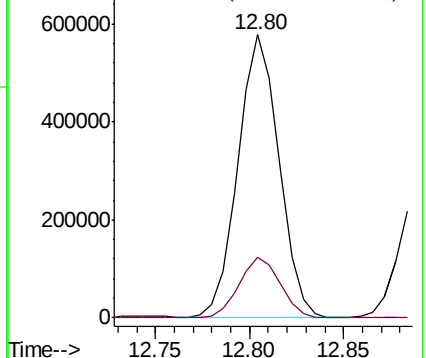
91 100

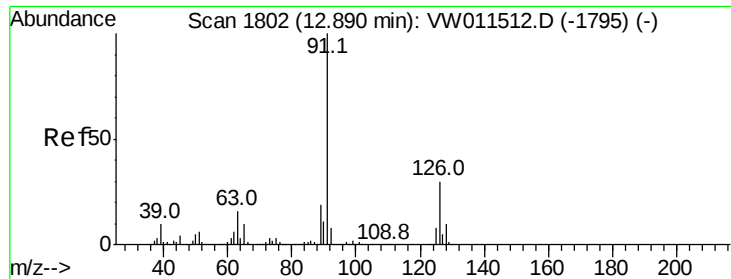
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.30): VW

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 52.271 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

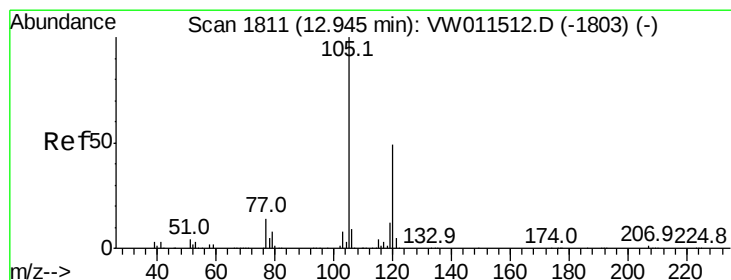
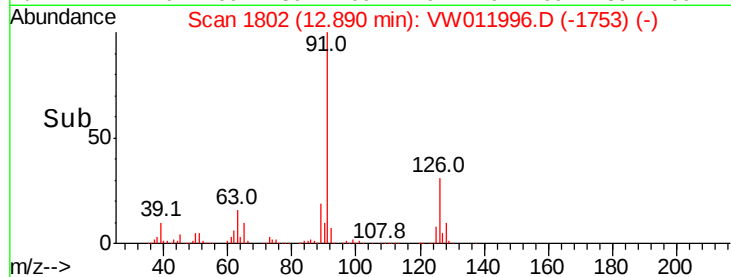
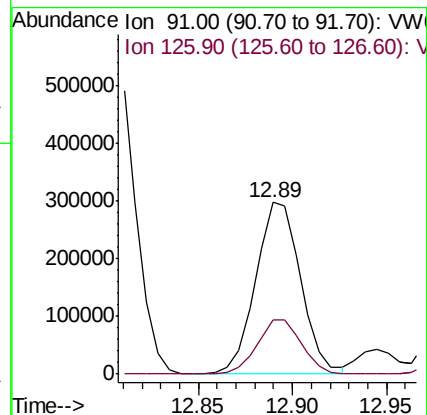
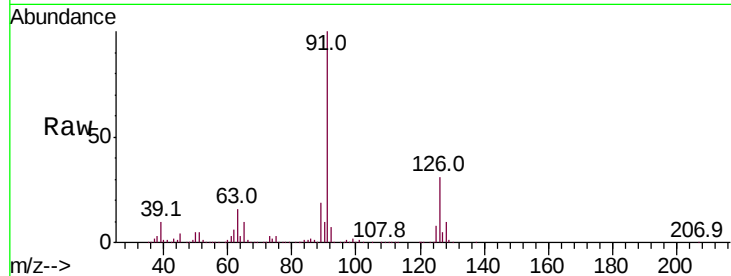
VSTDCCC050

Tot Ion: 91 Resp: 491725

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 53.381 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011996.D

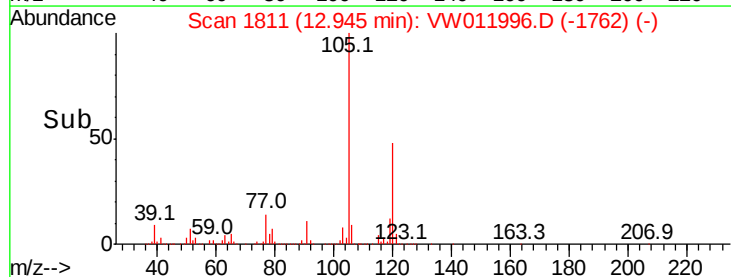
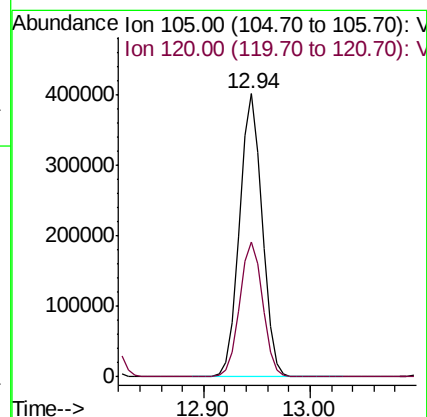
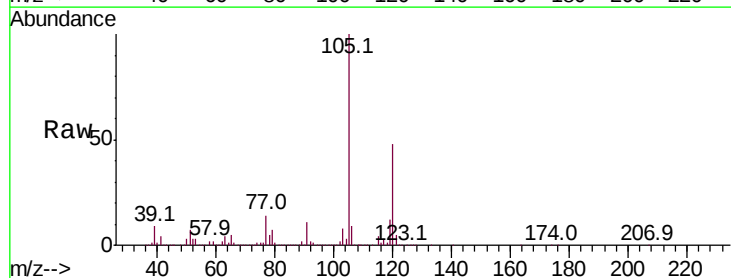
Acq: 19 Aug 2019 17:52

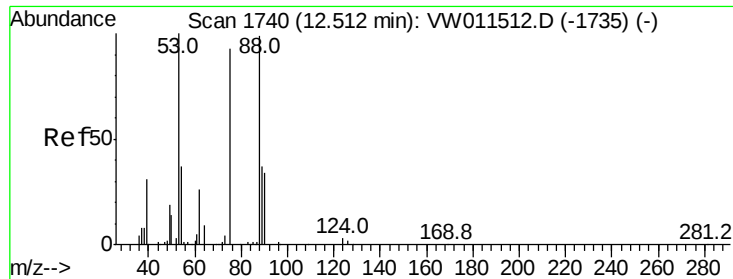
Tgt Ion:105 Resp: 600378

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 54.977 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

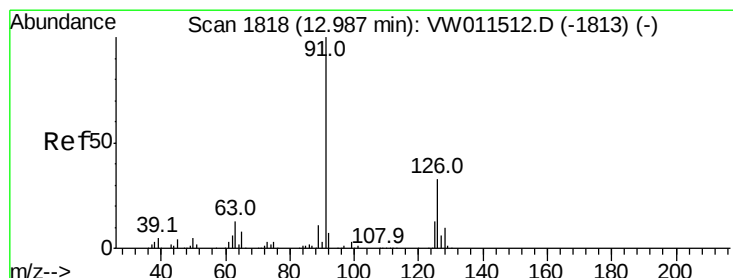
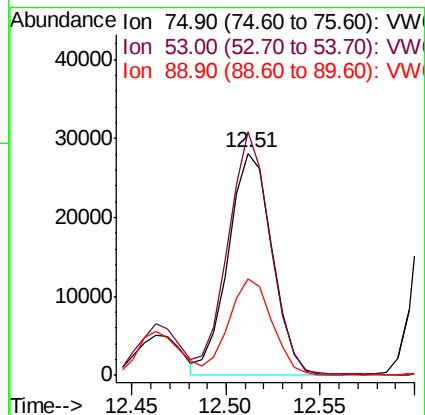
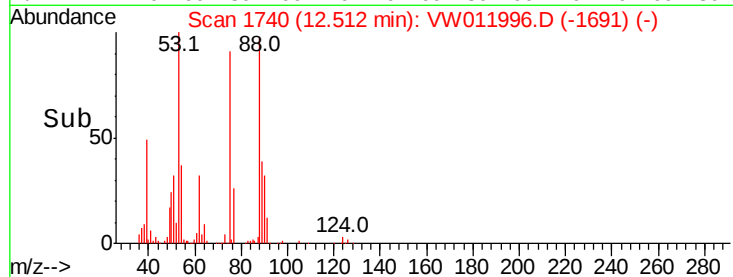
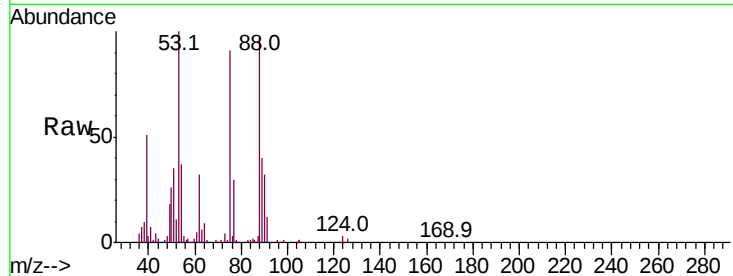
Tot Ion: 75 Resp: 45397

Ion Ratio Lower Upper

75 100

53 105.1 88.0 132.0

89 42.8 35.3 52.9



#82

4-Chlorotoluene

Concen: 51.718 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011996.D

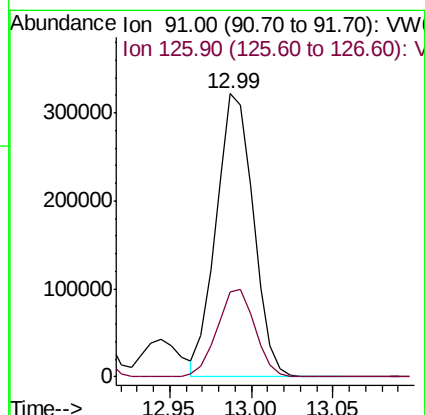
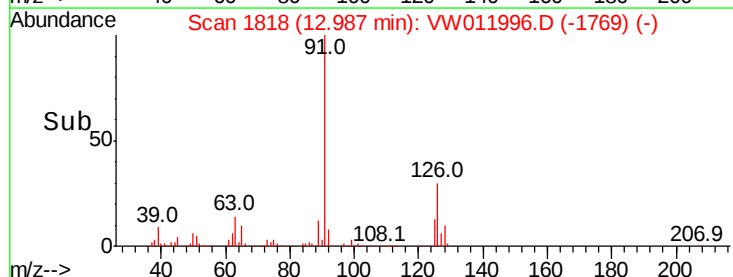
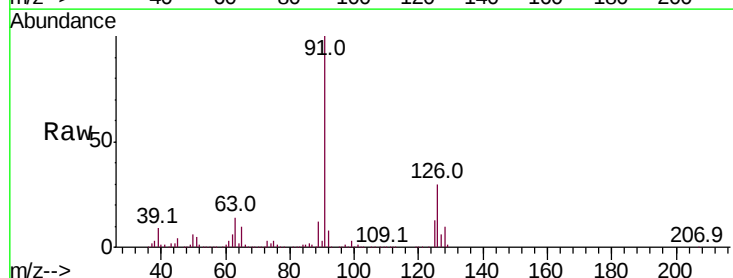
Acq: 19 Aug 2019 17:52

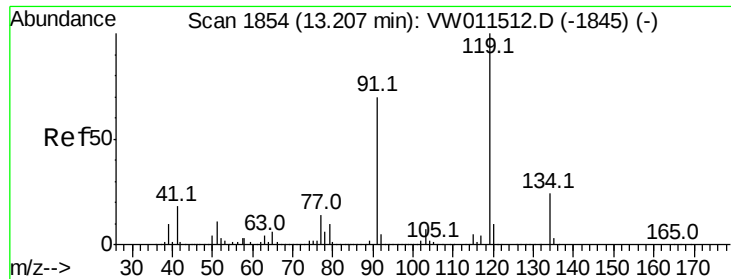
Tgt Ion: 91 Resp: 510460

Ion Ratio Lower Upper

91 100

126 31.7 15.6 46.8

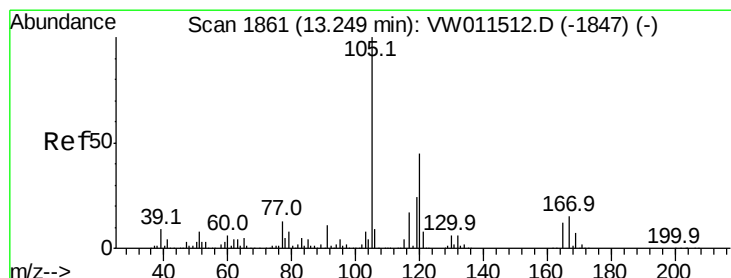
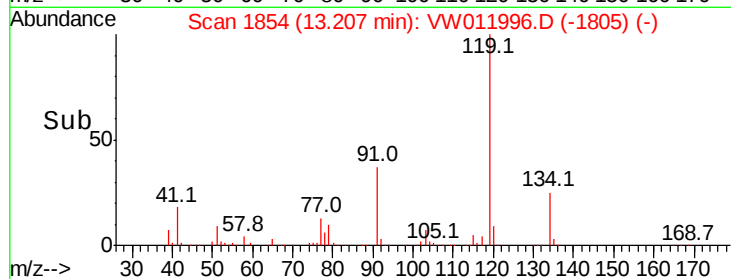
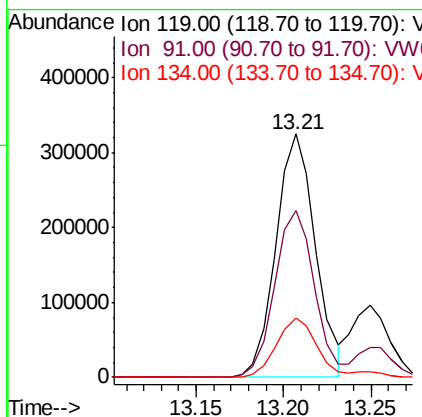
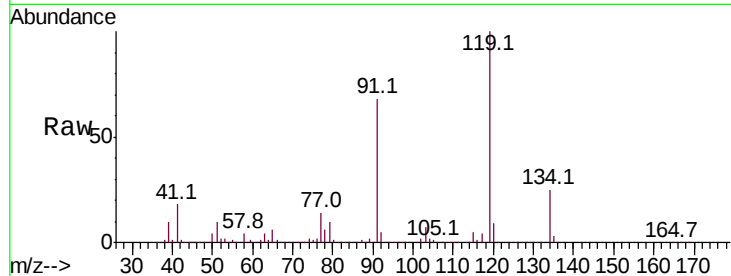




#83
tert-Butylbenzene
Concen: 54.574 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

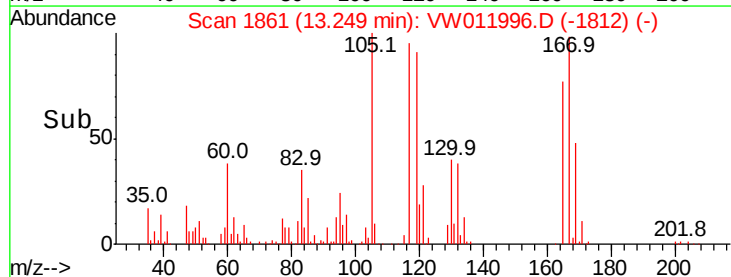
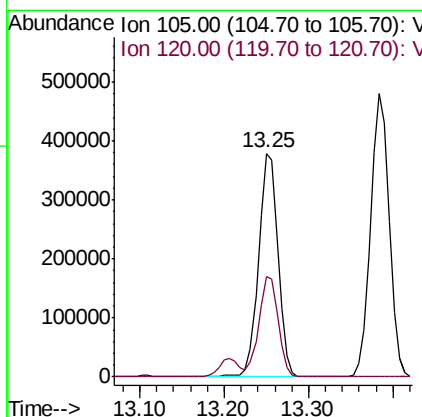
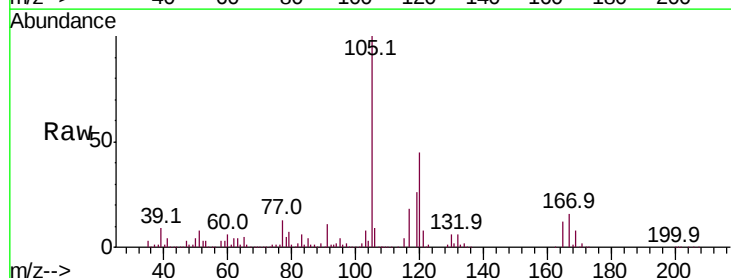
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

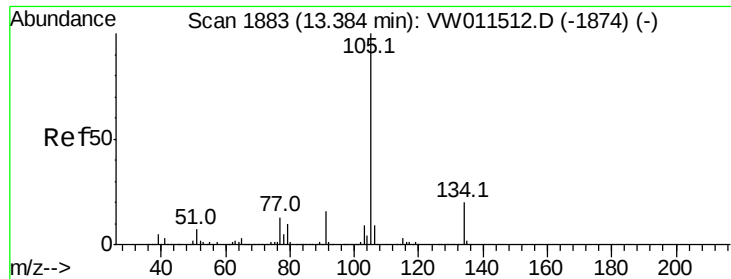
Tot Ion:119 Resp: 513287
Ion Ratio Lower Upper
119 100
91 69.7 34.5 103.6
134 24.7 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 52.887 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011996.D
Acq: 19 Aug 2019 17:52

Tgt Ion:105 Resp: 599208
Ion Ratio Lower Upper
105 100
120 44.5 22.1 66.5

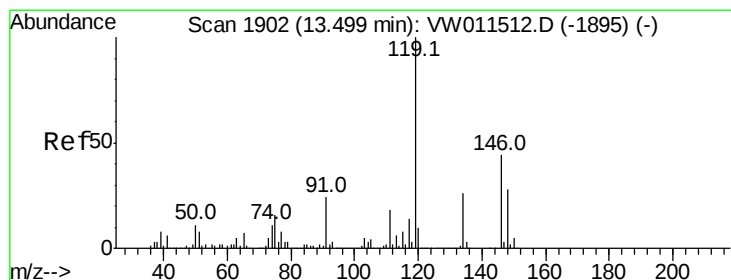
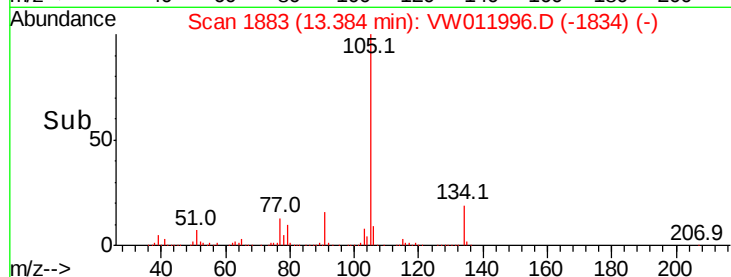
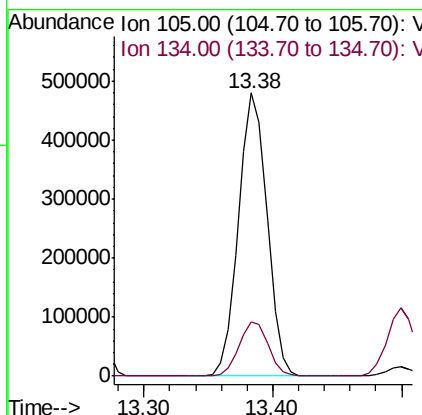
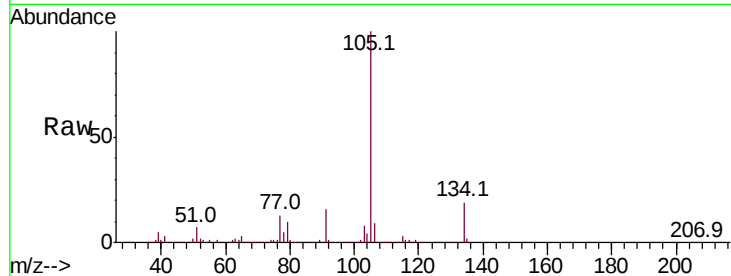




#85
 sec-Butylbenzene
 Concen: 54.901 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

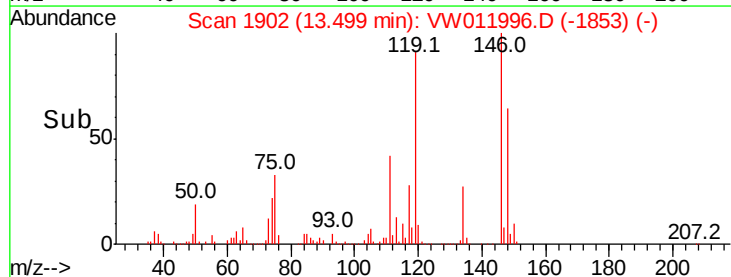
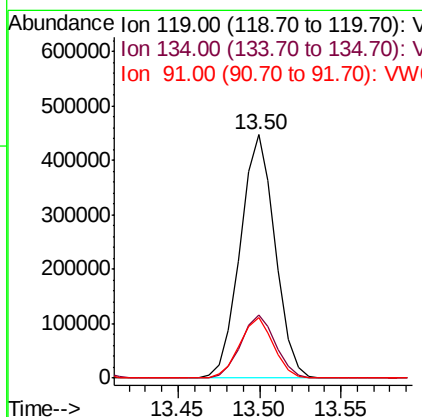
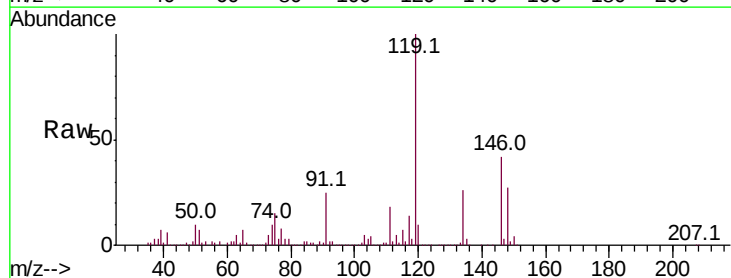
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

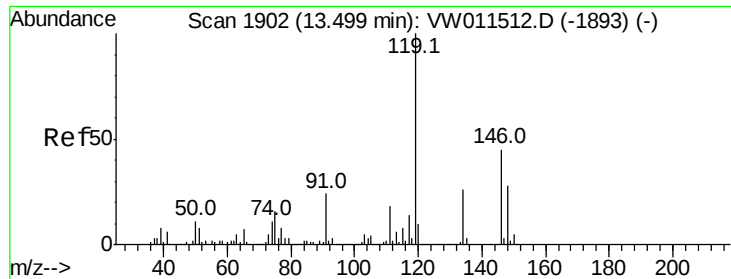
Tot Ion:105 Resp: 736782
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 54.373 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

Tgt Ion:119 Resp: 662071
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.4
 91 24.2 12.1 36.3

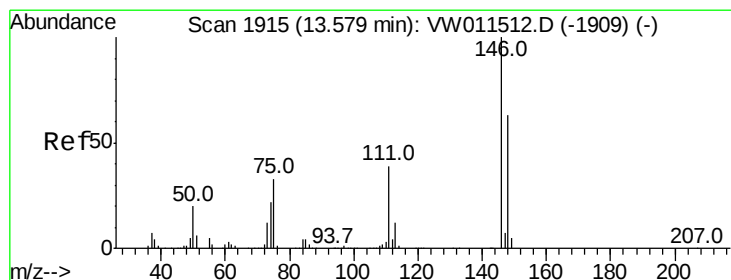
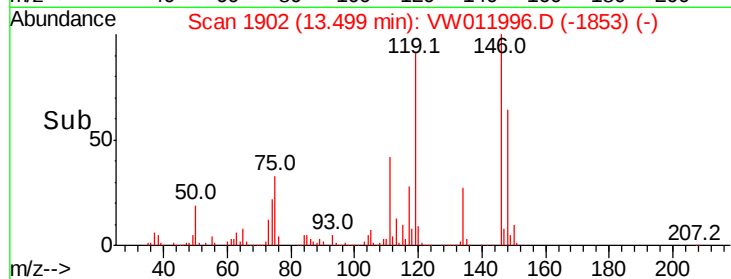
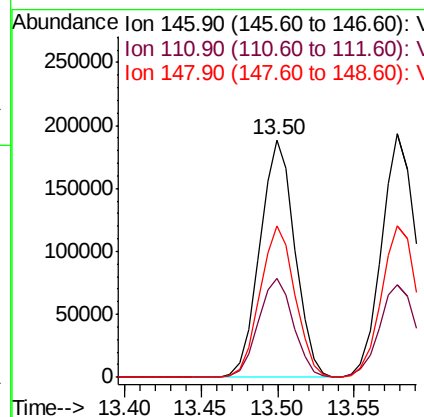
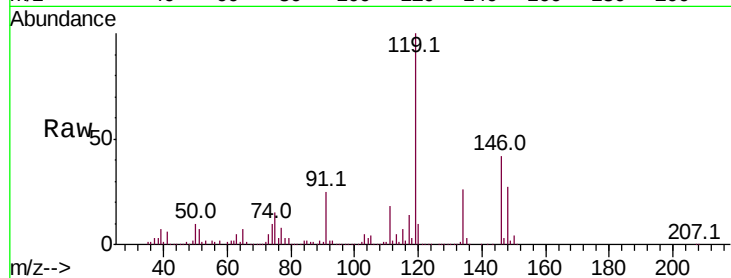




#87
 1,3-Dichlorobenzene
 Concen: 51.769 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

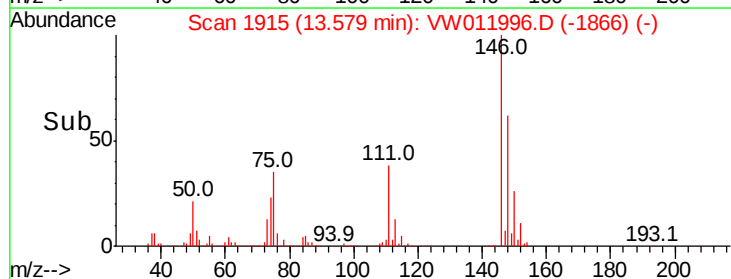
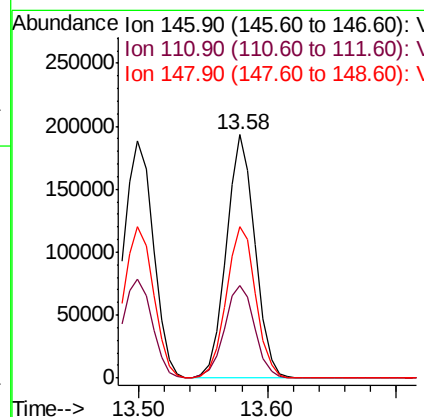
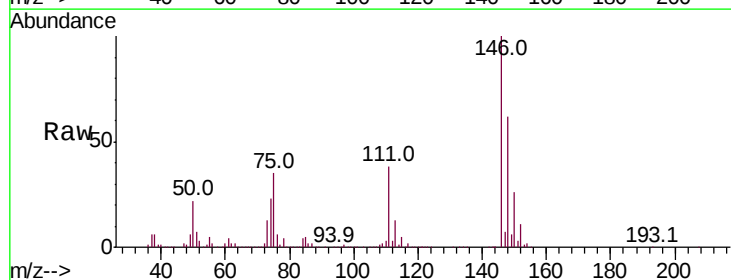
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

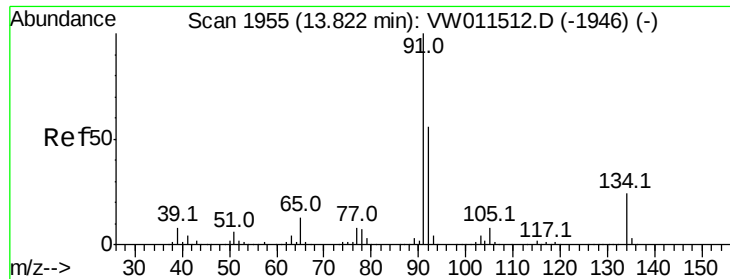
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.5	61.6
148	64.0	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.155 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	63.9	31.9	95.9





#89

n-Butylbenzene

Concen: 54.539 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

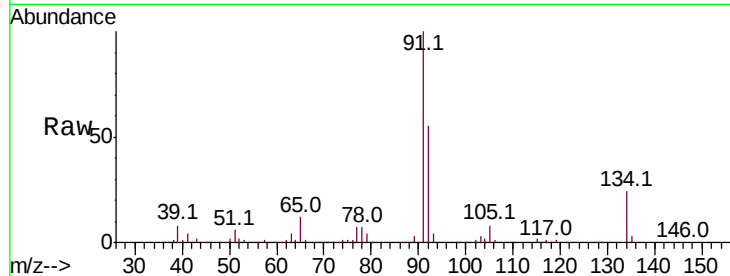
Tot Ion: 91 Resp: 662724

Ion Ratio Lower Upper

91 100

92 54.8 27.5 82.4

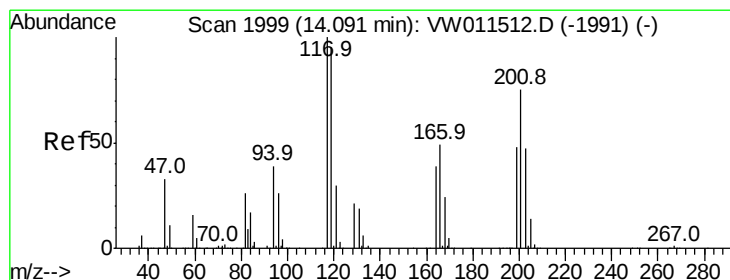
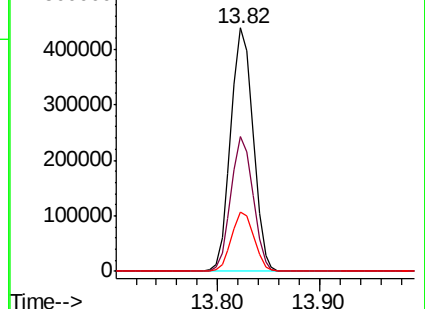
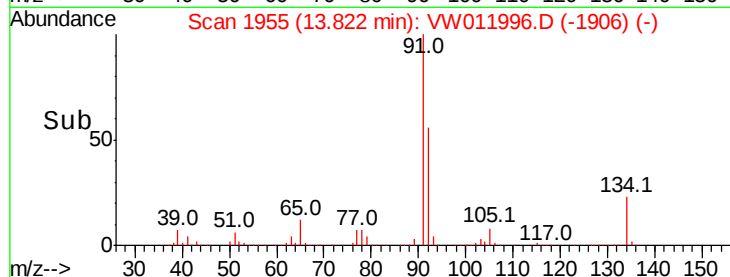
134 24.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.847 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW011996.D

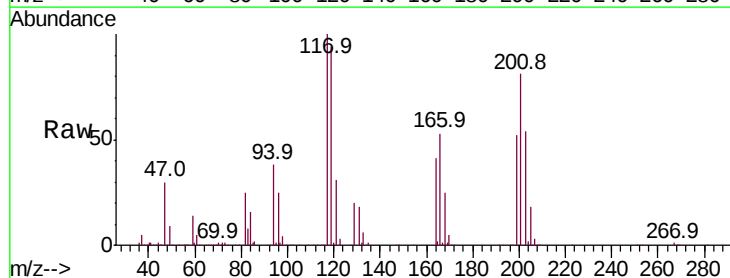
Acq: 19 Aug 2019 17:52

Tgt Ion: 117 Resp: 118092

Ion Ratio Lower Upper

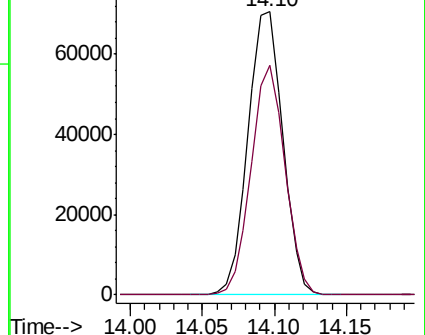
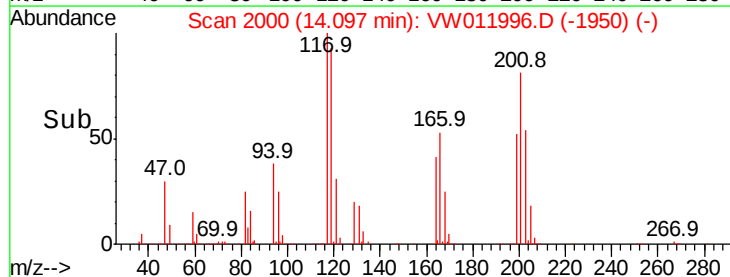
117 100

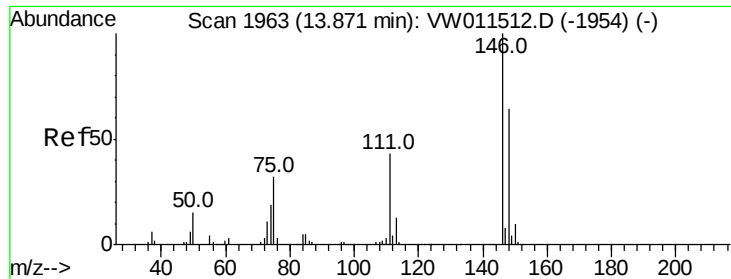
201 79.1 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

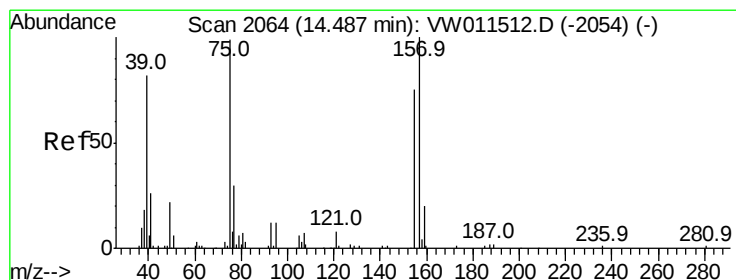
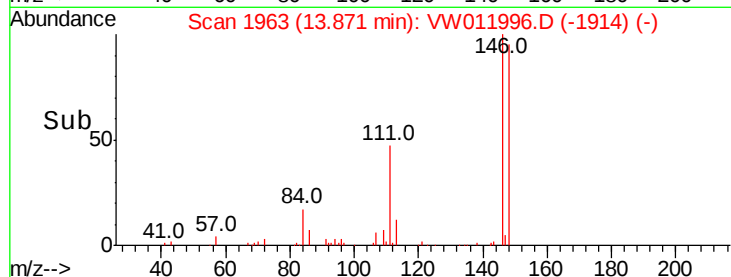
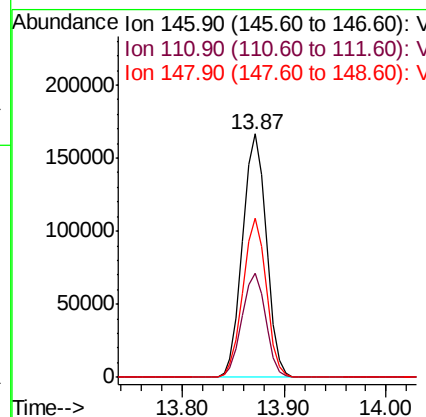
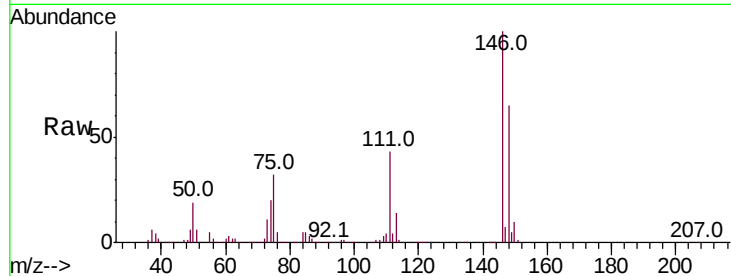




#91
 1,2-Dichlorobenzene
 Concen: 52.319 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

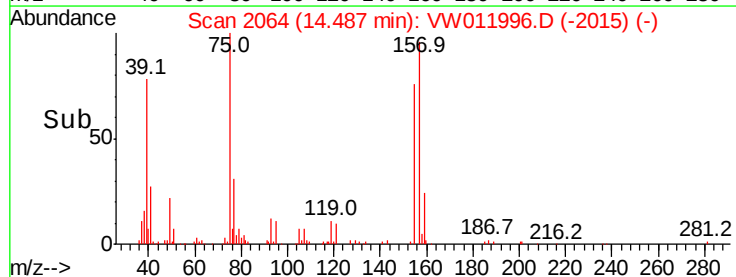
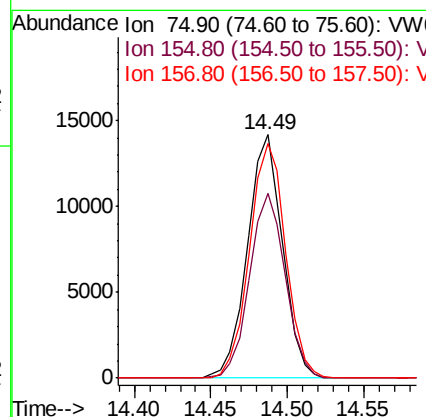
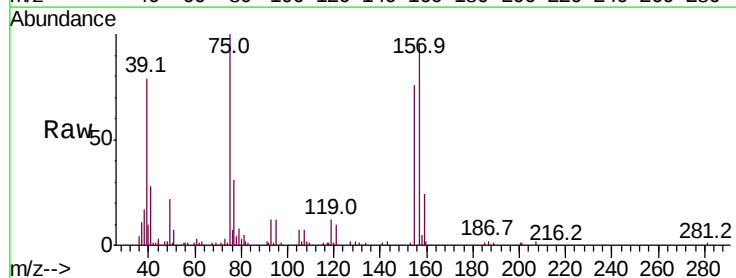
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

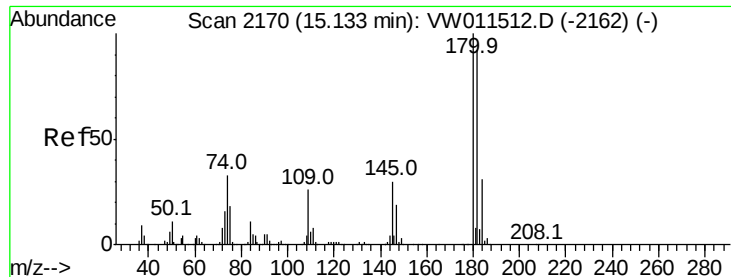
Tot Ion:146 Resp: 269080
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.6 65.0
 148 64.0 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.440 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

Tgt Ion: 75 Resp: 22569
 Ion Ratio Lower Upper
 75 100
 155 77.2 38.2 114.6
 157 99.5 48.9 146.7

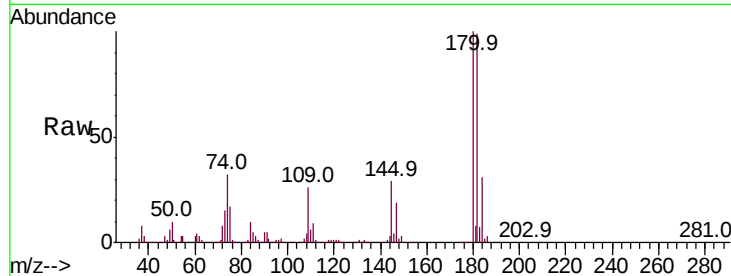




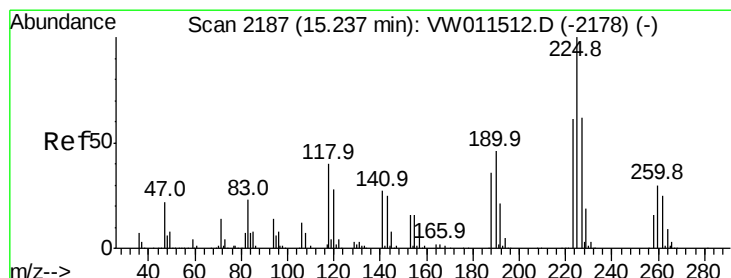
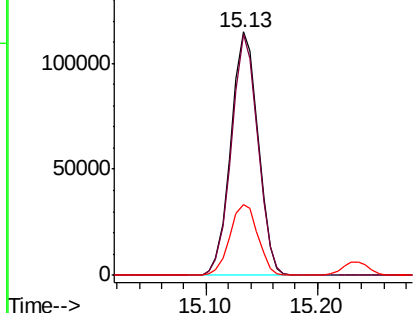
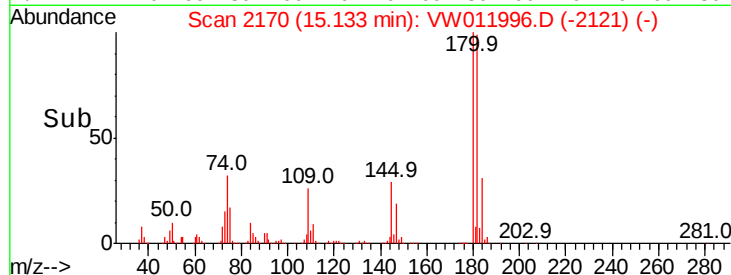
#93
 1,2,4-Trichlorobenzene
 Concen: 53.521 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.2
145	30.1	15.4	46.1

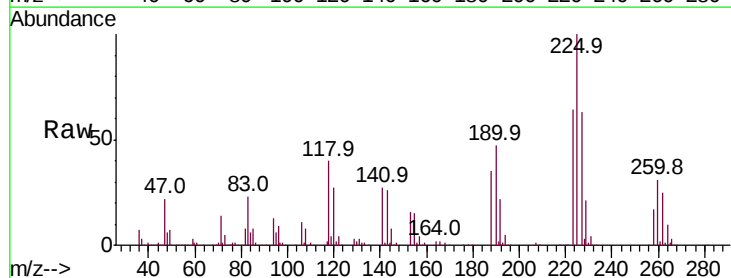


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

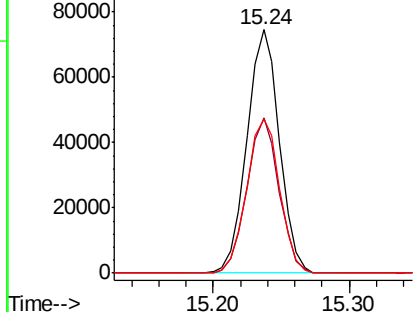
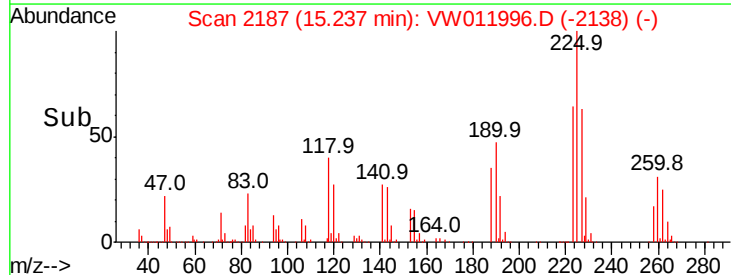


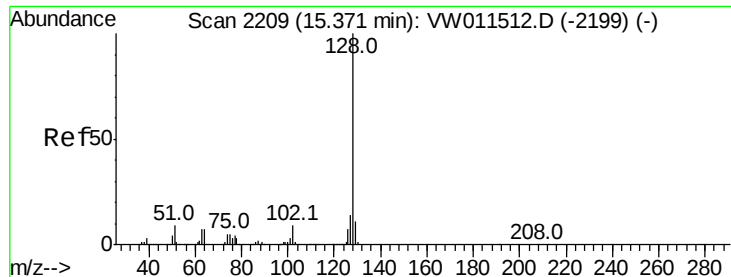
#94
 Hexachlorobutadiene
 Concen: 55.110 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011996.D
 Acq: 19 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.3
227	64.5	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: 50.360 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

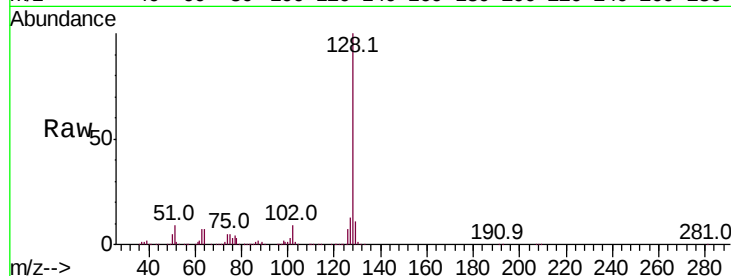
Tot Ion:128 Resp: 357680

Ion Ratio Lower Upper

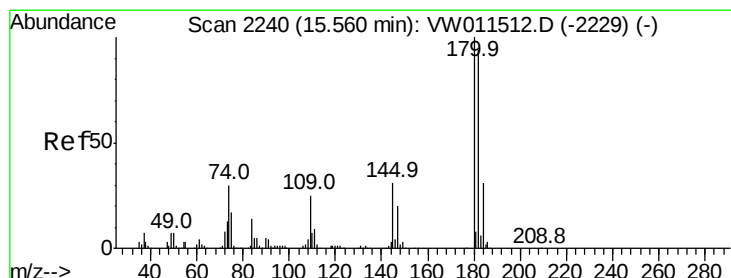
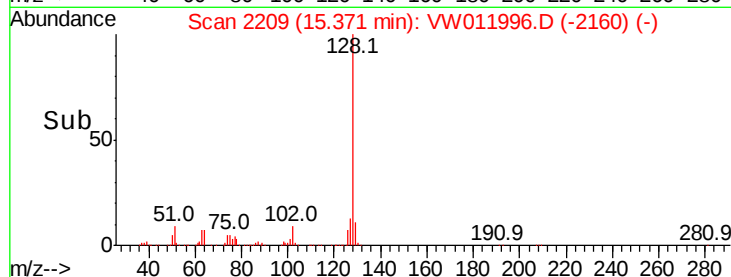
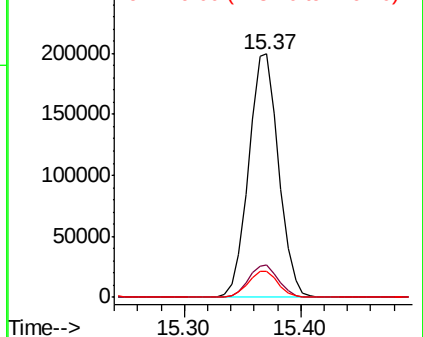
128 100

127 13.3 10.6 16.0

129 10.7 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: 53.237 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011996.D

Acq: 19 Aug 2019 17:52

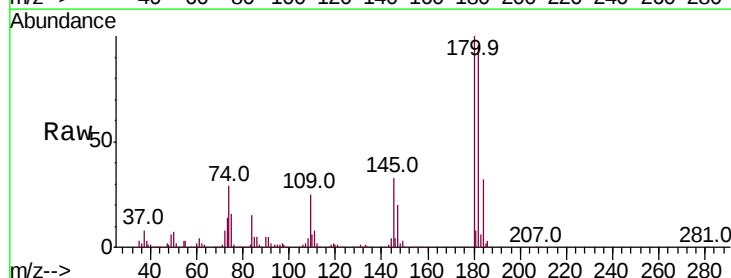
Tgt Ion:180 Resp: 169147

Ion Ratio Lower Upper

180 100

182 95.6 47.4 142.2

145 32.3 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

