

Data File : VW012016.D
Acq On : 20 Aug 2019 02:56
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.05G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 20 05:17:32 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	246498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	156082	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
35) Dibromofluoromethane	7.88	113	129345	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
50) Toluene-d8	10.32	98	527796	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
62) 4-Bromofluorobenzene	12.62	95	184818	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	62315	45.361	ug/l	93
3) Chloromethane	2.21	50	110449	46.365	ug/l	100
4) Vinyl Chloride	2.36	62	140786	49.090	ug/l	98
5) Bromomethane	2.76	94	67327	42.412	ug/l	96
6) Chloroethane	2.91	64	81907	49.998	ug/l	99
7) Trichlorofluoromethane	3.25	101	65151	50.831	ug/l	99
8) Diethyl Ether	3.68	74	77819	53.549	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	125103	51.453	ug/l	99
10) Methyl Iodide	4.27	142	180256	52.461	ug/l	99
11) Tert butyl alcohol	5.19	59	49754	237.276	ug/l	100
12) 1,1-Dichloroethene	4.04	96	132200	51.496	ug/l	97
13) Acrolein	3.89	56	37697	185.612	ug/l	99
14) Allyl chloride	4.67	41	281002	51.464	ug/l	99
15) Acrylonitrile	5.37	53	201122	277.243	ug/l	98
16) Acetone	4.13	43	165562	183.882	ug/l	98
17) Carbon Disulfide	4.39	76	372692	46.384	ug/l	100
18) Methyl Acetate	4.67	43	113438	56.083	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	228550	56.102	ug/l	97
20) Methylene Chloride	4.92	84	150470	48.457	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	145688	52.639	ug/l	94
22) Diisopropyl ether	6.31	45	556150	54.025	ug/l	99
23) Vinyl Acetate	6.25	43	1722464	266.285	ug/l	100
24) 1,1-Dichloroethane	6.21	63	296476	53.775	ug/l	99
25) 2-Butanone	7.17	43	281045	238.545	ug/l	98
26) 2,2-Dichloropropane	7.17	77	144204	42.530	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	163123	53.552	ug/l	97
28) Bromochloromethane	7.51	49	144000	58.844	ug/l	99
29) Tetrahydrofuran	7.53	42	183882	273.046	ug/l	99
30) Chloroform	7.67	83	268891	52.865	ug/l	97
31) Cyclohexane	7.95	56	256533	48.473	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	207928	53.678	ug/l	99
36) 1,1-Dichloropropene	8.08	75	218262	50.920	ug/l	99
37) Ethyl Acetate	7.25	43	126239	51.190	ug/l	98
38) Carbon Tetrachloride	8.07	117	185655	50.595	ug/l	99

Data File : VW012016.D
Acq On : 20 Aug 2019 02:56
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.05G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 20 05:17:32 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	244351	51.771	ug/l	99
40) Benzene	8.32	78	619480	51.596	ug/l	100
41) Methacrylonitrile	7.48	41	74375	50.453	ug/l	96
42) 1,2-Dichloroethane	8.40	62	191332	50.899	ug/l	99
43) Isopropyl Acetate	8.42	43	243884	53.774	ug/l	99
44) Trichloroethene	9.09	130	151023	52.335	ug/l	100
45) 1,2-Dichloropropane	9.37	63	169702	52.825	ug/l	99
46) Dibromomethane	9.46	93	75444	51.453	ug/l	98
47) Bromodichloromethane	9.65	83	202623	52.682	ug/l	100
48) Methyl methacrylate	9.44	41	118315	54.308	ug/l	99
49) 1,4-Dioxane	9.46	88	22905	1078.875	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	629887	267.010	ug/l	99
52) Toluene	10.39	92	377635	52.083	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	205885	51.244	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	245666	51.426	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	109112	52.448	ug/l	98
56) Ethyl methacrylate	10.65	69	168556	55.368	ug/l	99
57) 1,3-Dichloropropane	10.93	76	206628	52.498	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	436697	315.937	ug/l	99
59) 2-Hexanone	10.97	43	424513	254.866	ug/l	98
60) Dibromochloromethane	11.13	129	121719	52.709	ug/l	99
61) 1,2-Dibromoethane	11.24	107	103054	52.345	ug/l	99
64) Tetrachloroethene	10.86	164	129022	55.227	ug/l	100
65) Chlorobenzene	11.66	112	381017	52.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	135447	53.905	ug/l	100
67) Ethyl Benzene	11.73	91	730500	53.171	ug/l	100
68) m/p-Xylenes	11.84	106	526062	105.289	ug/l	100
69) o-Xylene	12.16	106	250399	53.931	ug/l	99
70) Styrene	12.18	104	434468	54.122	ug/l	99
71) Bromoform	12.35	173	69261	54.062	ug/l	97
73) Isopropylbenzene	12.46	105	690027	56.008	ug/l	100
74) N-amyl acetate	12.27	43	224896	58.306	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	131502	56.745	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	171748	98.286	ug/l #	100
77) Bromobenzene	12.75	156	152588	56.034	ug/l	99
78) n-propylbenzene	12.80	91	829926	55.351	ug/l	100
79) 2-Chlorotoluene	12.89	91	476349	55.146	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	577498	55.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41193	54.329	ug/l	98
82) 4-Chlorotoluene	12.99	91	484090	53.414	ug/l	99
83) tert-Butylbenzene	13.21	119	495019	57.319	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	575542	55.323	ug/l	100
85) sec-Butylbenzene	13.38	105	693371	56.267	ug/l	100
86) p-Isopropyltoluene	13.50	119	616092	55.103	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	288596	54.049	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	282118	53.114	ug/l	100
89) n-Butylbenzene	13.82	91	598913	53.677	ug/l	100
90) Hexachloroethane	14.09	117	111950	56.624	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	258317	54.699	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22365	56.594	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081919\
Quantitation Report (Not Reviewed)

Data File : VW012016.D
Acq On : 20 Aug 2019 02:56
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.05G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

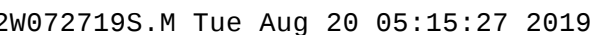
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 20 05:17:32 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	181785	54.618	ug/l	99
94) Hexachlorobutadiene	15.24	225	113019	54.452	ug/l	99
95) Naphthalene	15.36	128	360811	55.122	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	164035	56.226	ug/l	99

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

Quant Time: Aug 20 05:17:32 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

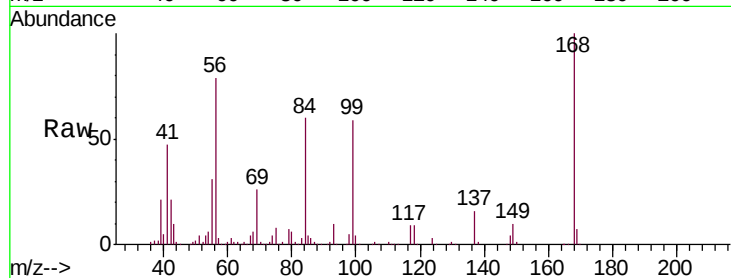
VSTDCCC050EC

Tgt Ion:168 Resp: 246498

Ion Ratio Lower Upper

168 100

99 58.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

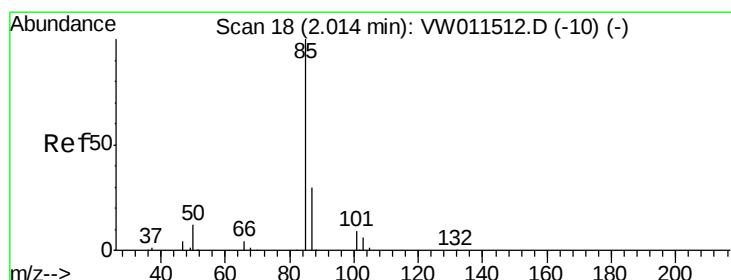
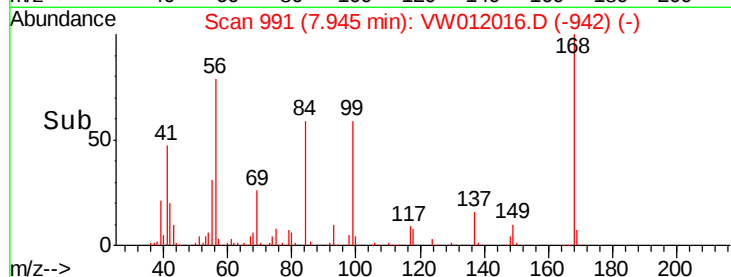
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.361 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012016.D

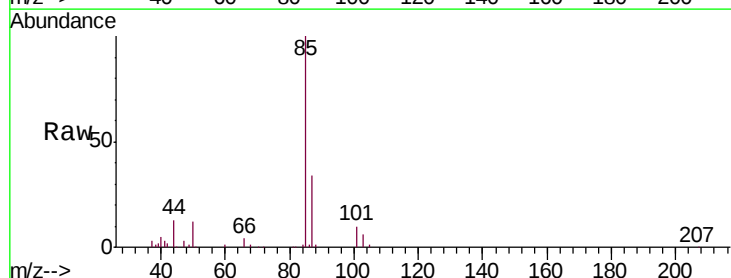
Acq: 20 Aug 2019 02:56

Tgt Ion: 85 Resp: 62315

Ion Ratio Lower Upper

85 100

87 34.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

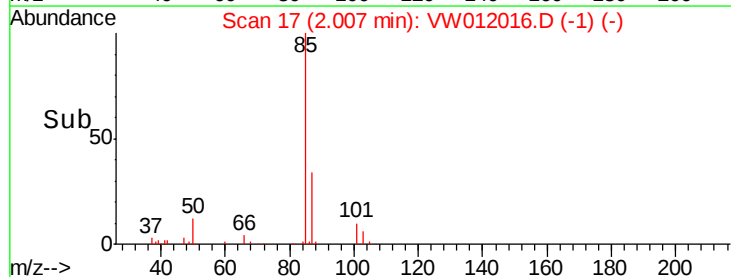
10000

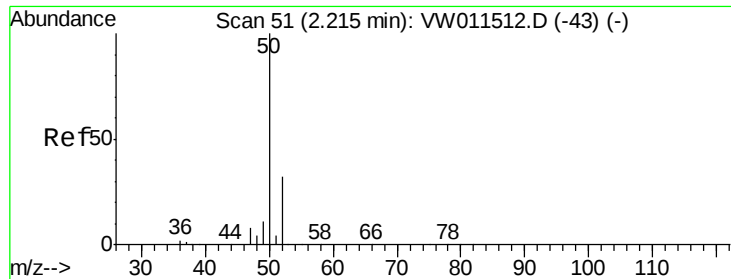
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 46.365 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

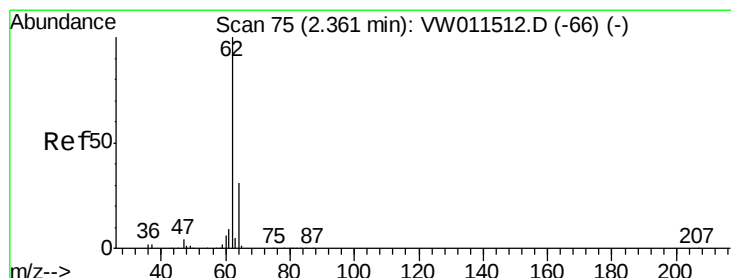
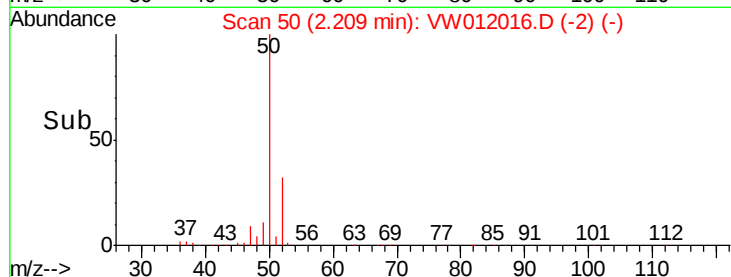
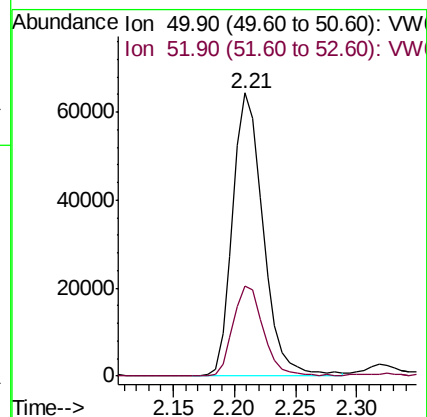
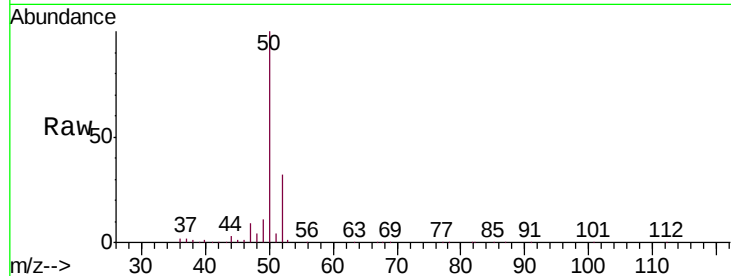
VSTDCCC050EC

Tgt Ion: 50 Resp: 110449

Ion Ratio Lower Upper

50 100

52 31.6 25.4 38.2



#4

Vinyl Chloride

Concen: 49.090 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012016.D

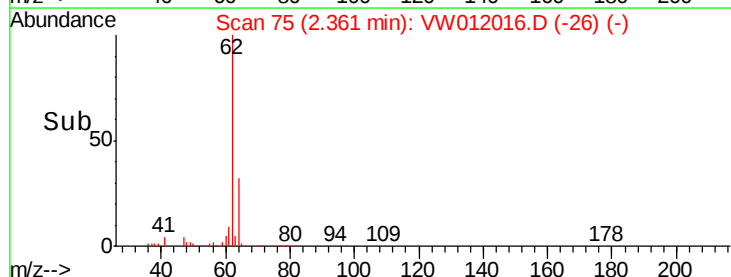
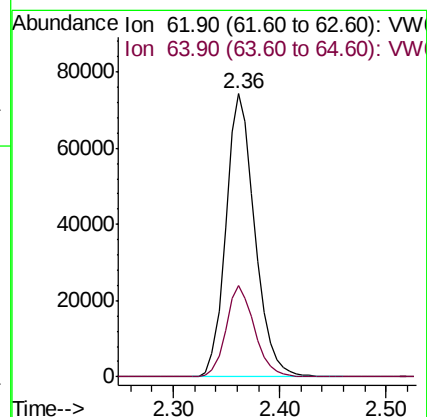
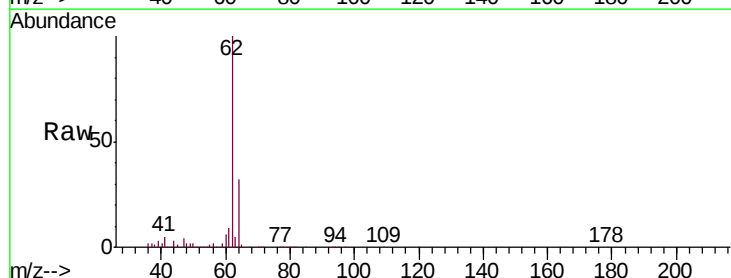
Acq: 20 Aug 2019 02:56

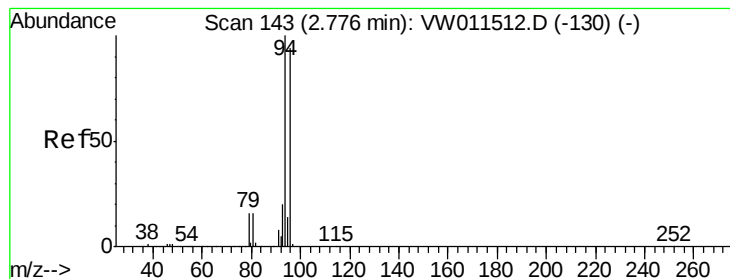
Tgt Ion: 62 Resp: 140786

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 42.412 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

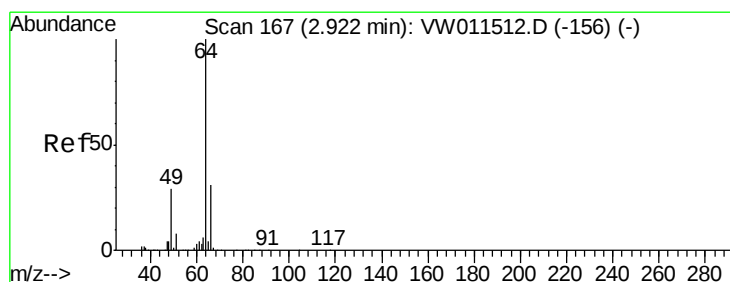
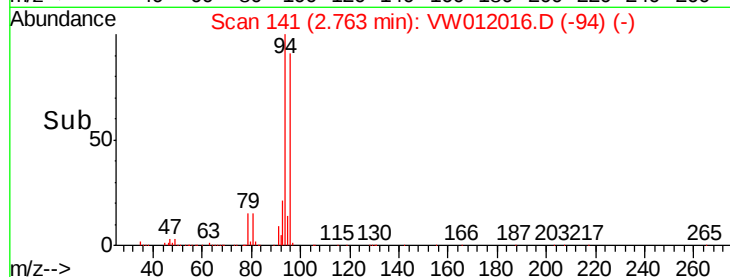
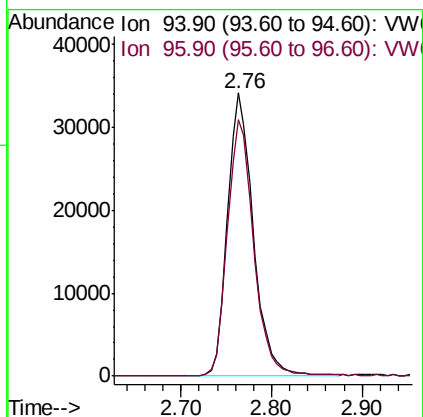
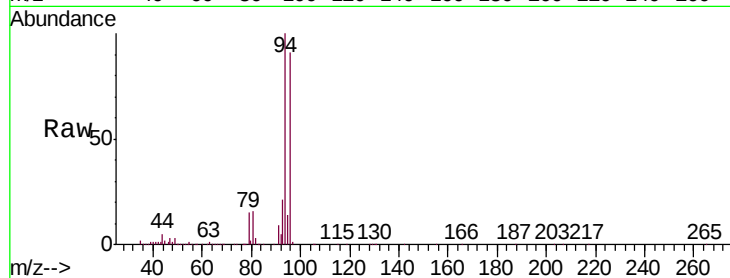
VSTDCCC050EC

Tgt Ion: 94 Resp: 67327

Ion Ratio Lower Upper

94 100

96 90.3 75.0 112.6



#6

Chloroethane

Concen: 49.998 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012016.D

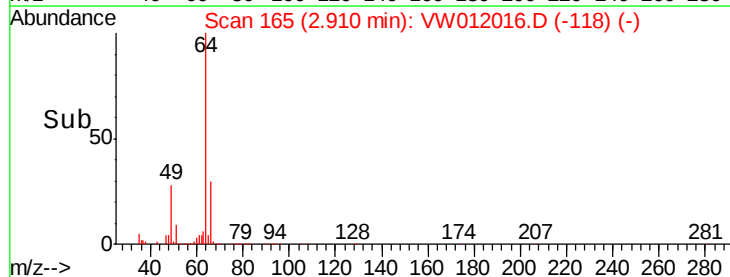
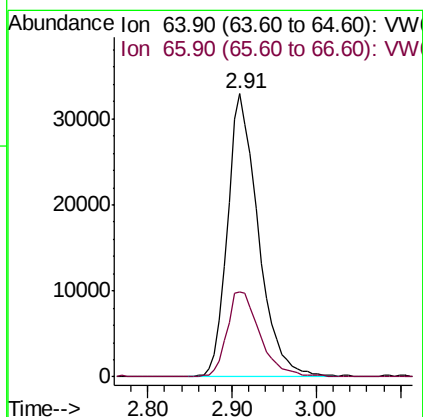
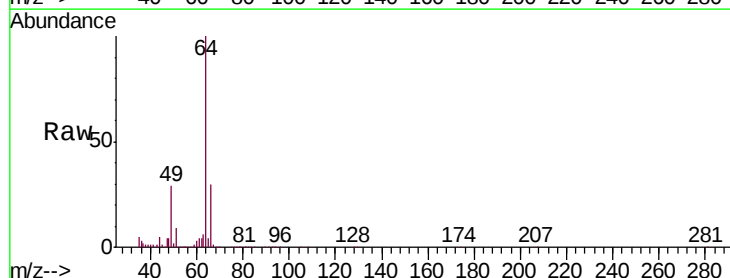
Acq: 20 Aug 2019 02:56

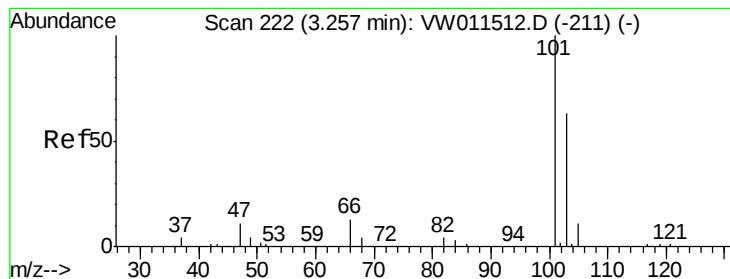
Tgt Ion: 64 Resp: 81907

Ion Ratio Lower Upper

64 100

66 30.0 24.6 36.8



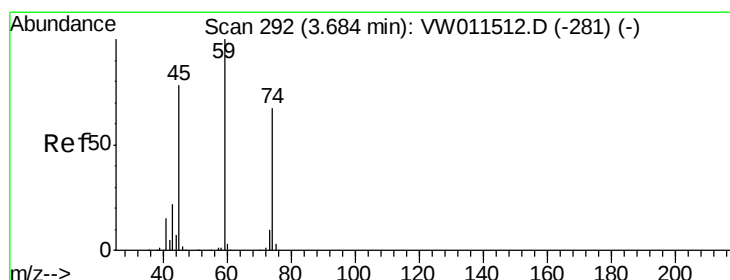
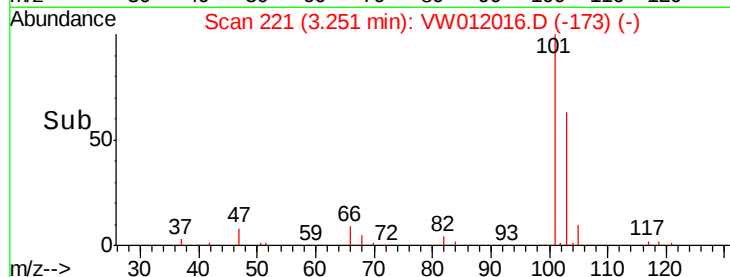
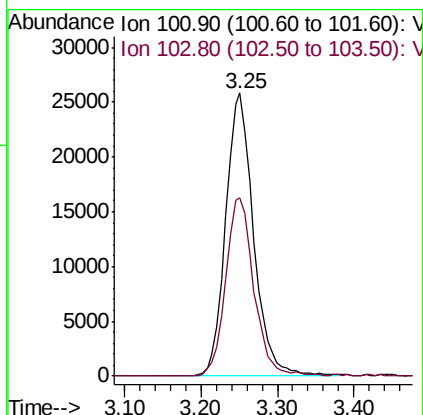
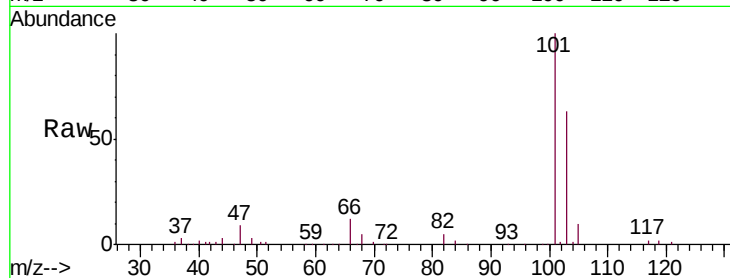


#7

Trichlorofluoromethane
Concen: 50.831 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

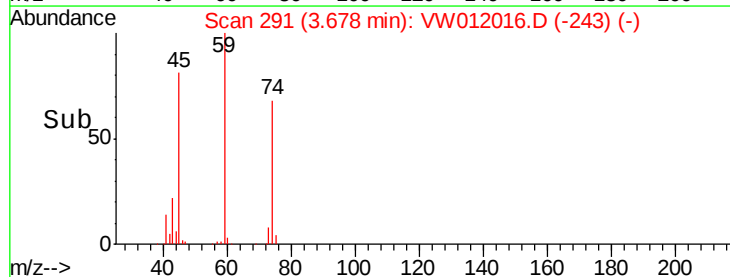
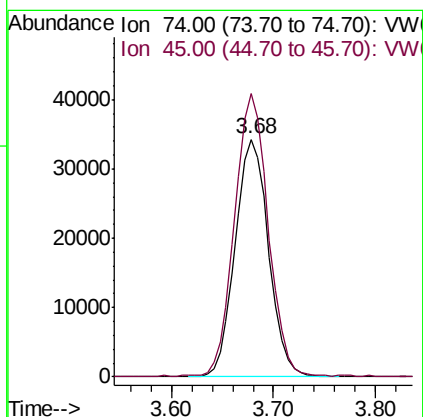
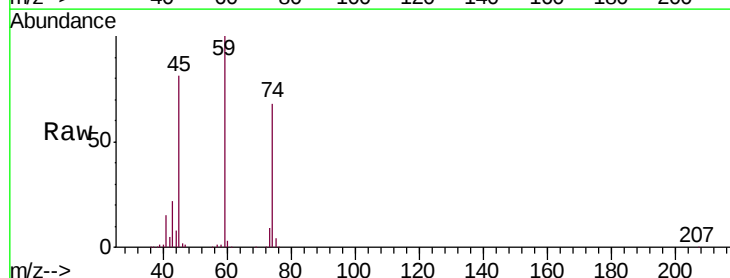
Tgt Ion:101 Resp: 65151
Ion Ratio Lower Upper
101 100
103 63.2 50.2 75.4

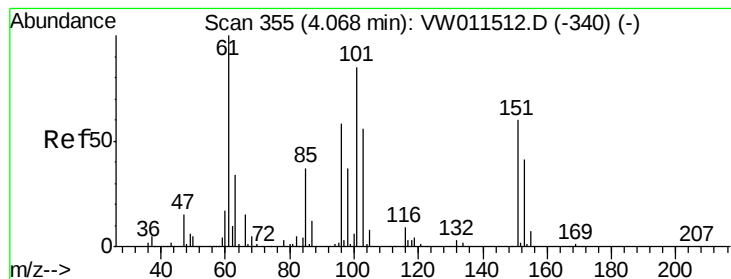


#8

Diethyl Ether
Concen: 53.549 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion: 74 Resp: 77819
Ion Ratio Lower Upper
74 100
45 118.7 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.453 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

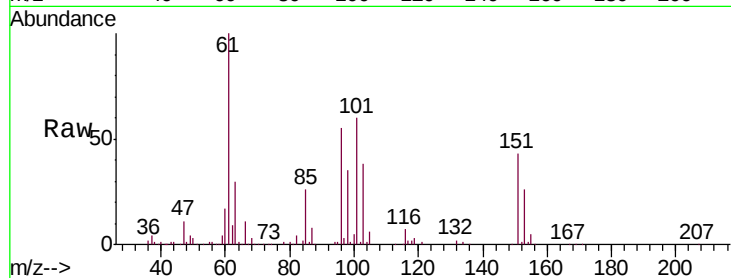
Tgt Ion:101 Resp: 125103

Ion Ratio Lower Upper

101 100

85 44.2 36.6 54.8

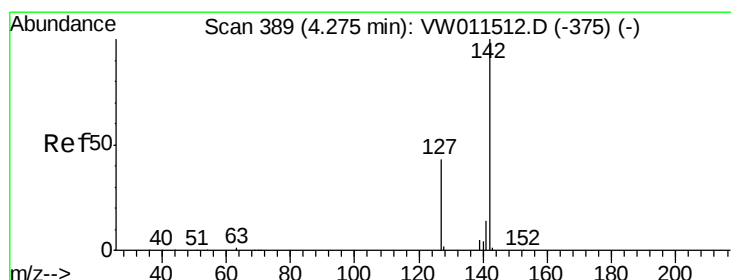
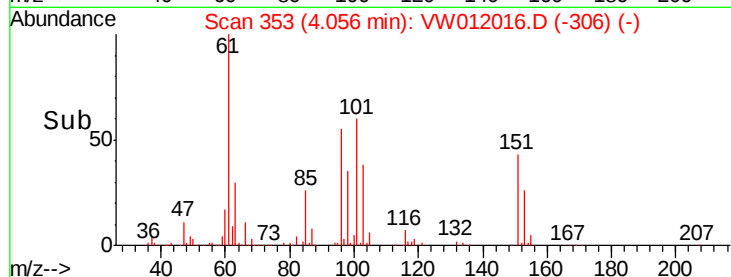
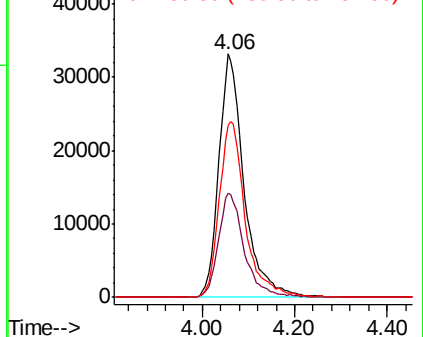
151 74.8 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.461 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

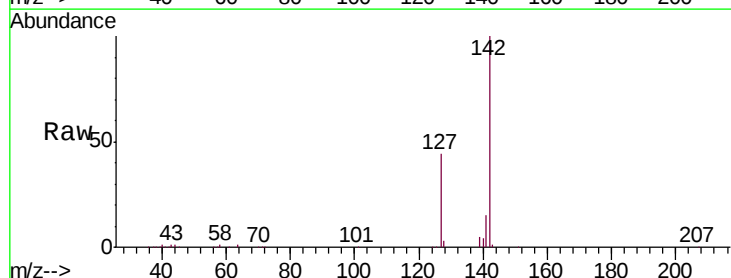
Tgt Ion:142 Resp: 180256

Ion Ratio Lower Upper

142 100

127 43.4 35.0 52.6

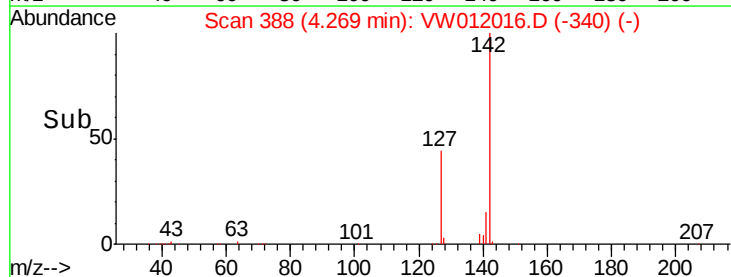
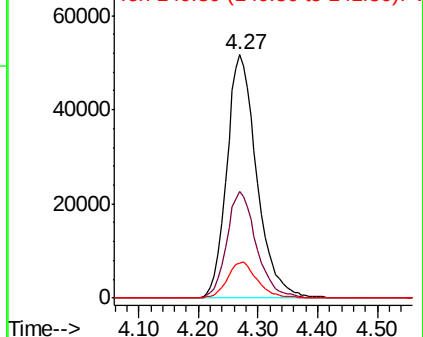
141 14.8 11.9 17.9

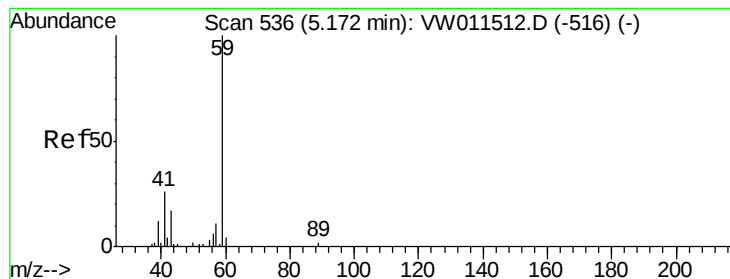


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



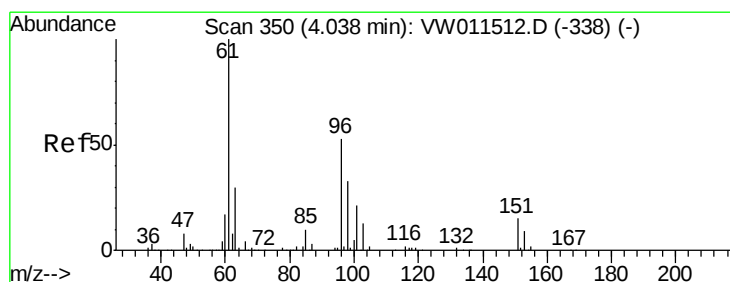
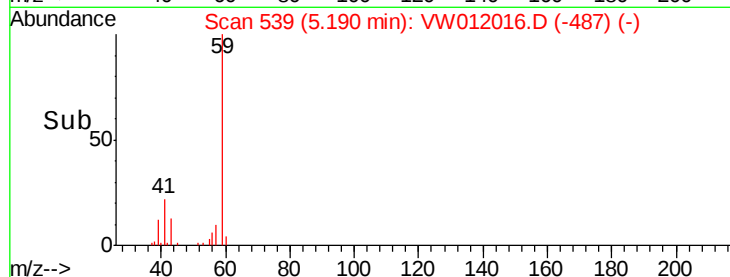
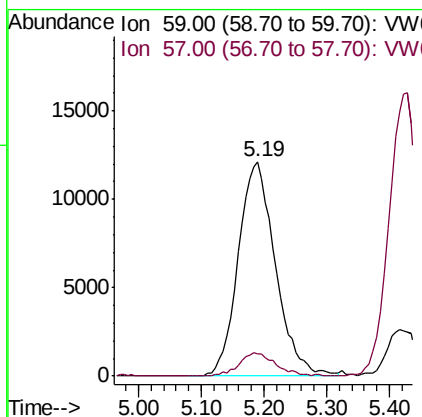
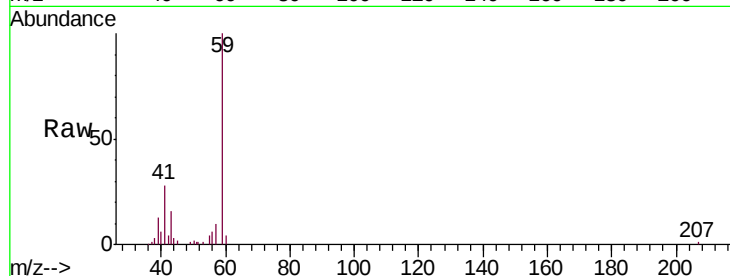


#11

Tert butyl alcohol
 Concen: 237.276 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

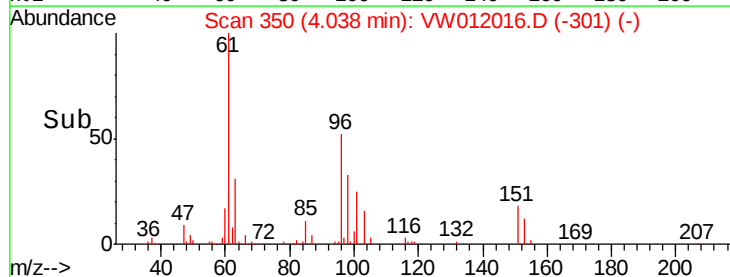
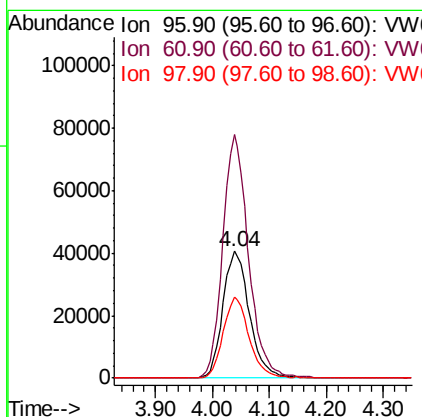
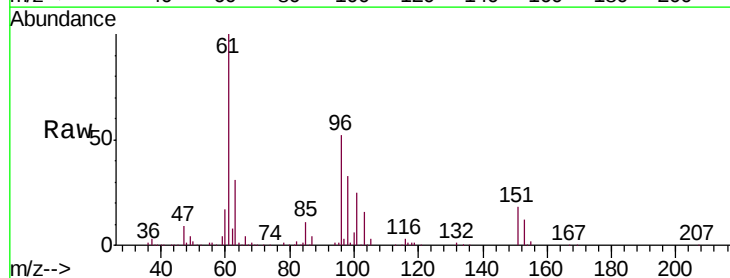
Tgt Ion: 59 Resp: 49754
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

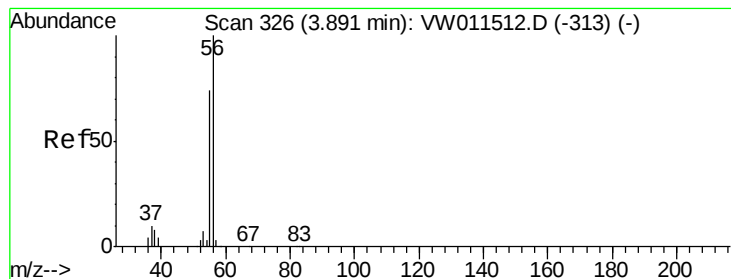


#12

1,1-Dichloroethene
 Concen: 51.496 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 96 Resp: 132200
 Ion Ratio Lower Upper
 96 100
 61 191.9 149.9 224.9
 98 63.8 49.1 73.7





#13

Acrolein

Concen: 185.612 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

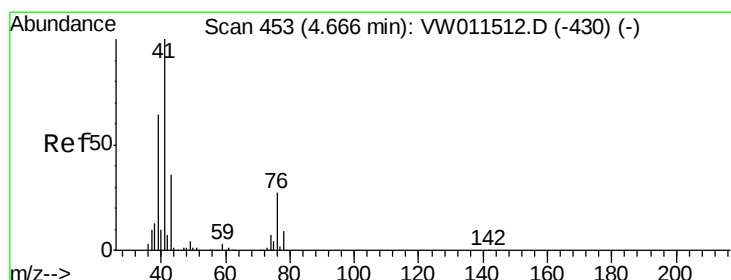
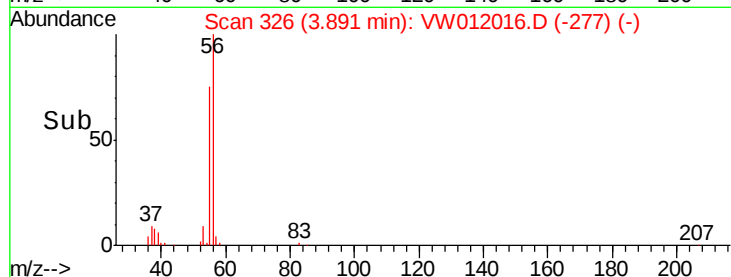
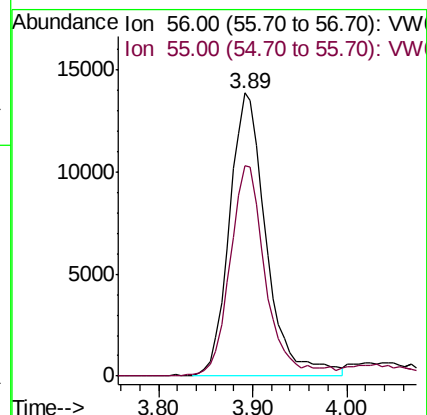
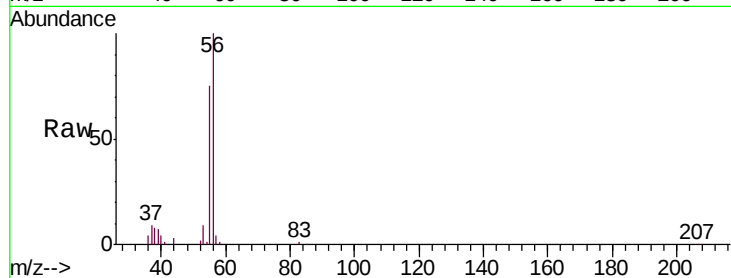
VSTDCCC050EC

Tgt Ion: 56 Resp: 37697

Ion Ratio Lower Upper

56 100

55 71.2 56.0 84.0



#14

Allyl chloride

Concen: 51.464 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

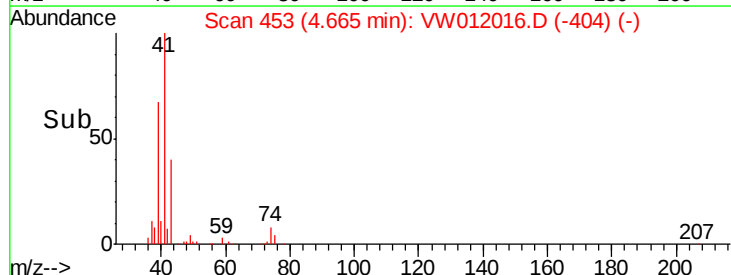
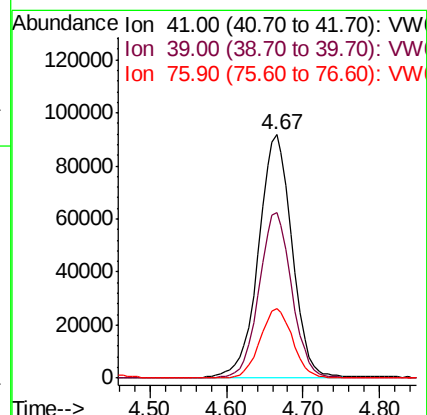
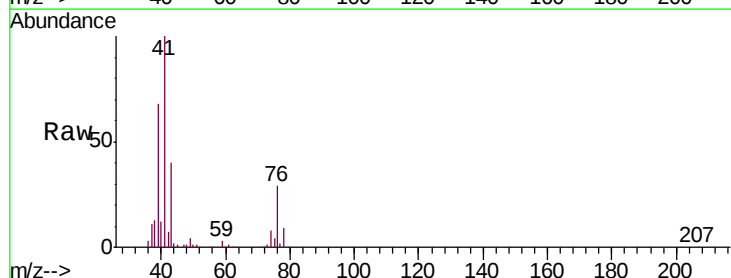
Tgt Ion: 41 Resp: 281002

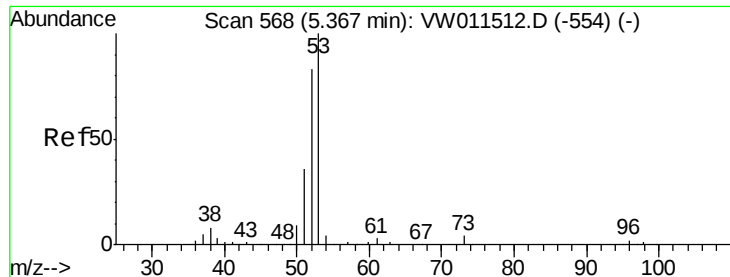
Ion Ratio Lower Upper

41 100

39 66.5 52.6 78.8

76 27.7 22.0 33.0





#15

Acrylonitrile

Concen: 277.243 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

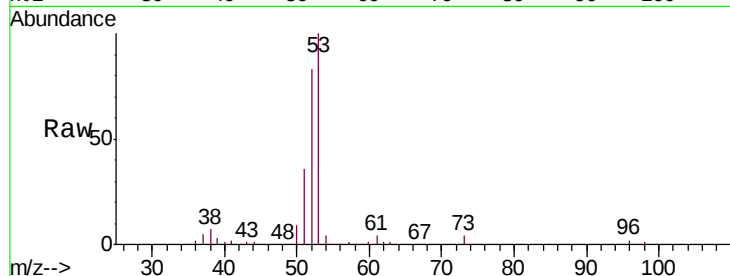
Tgt Ion: 53 Resp: 201122

Ion Ratio Lower Upper

53 100

52 81.7 67.2 100.8

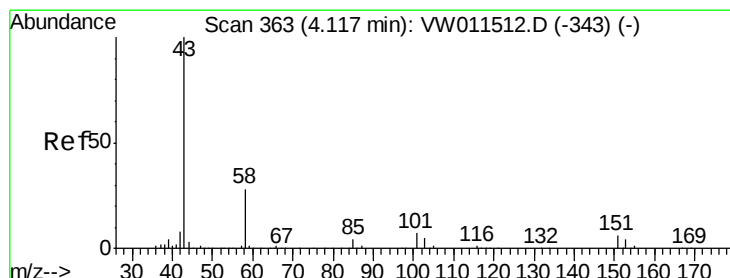
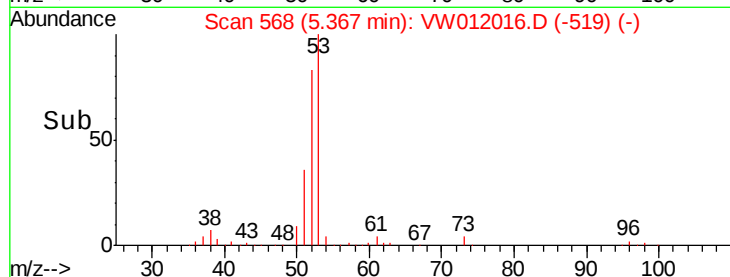
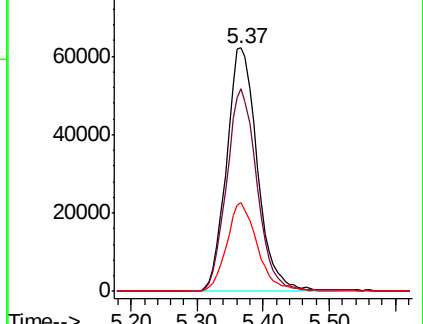
51 36.3 30.0 45.0



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 183.882 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012016.D

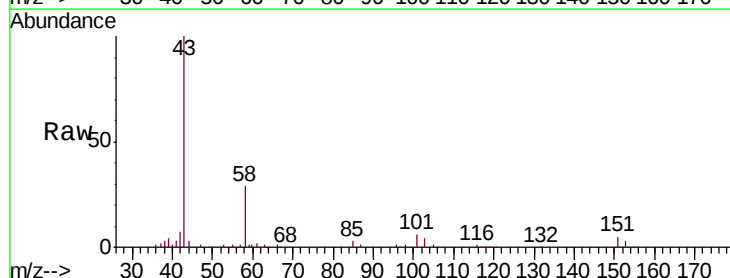
Acq: 20 Aug 2019 02:56

Tgt Ion: 43 Resp: 165562

Ion Ratio Lower Upper

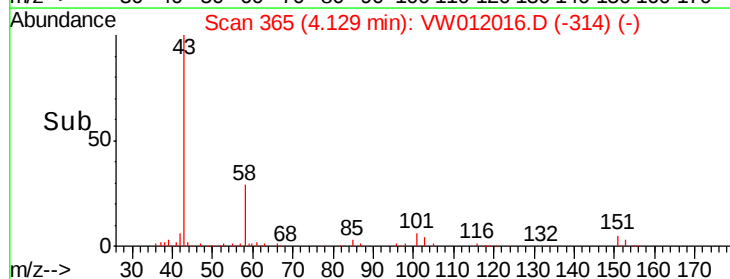
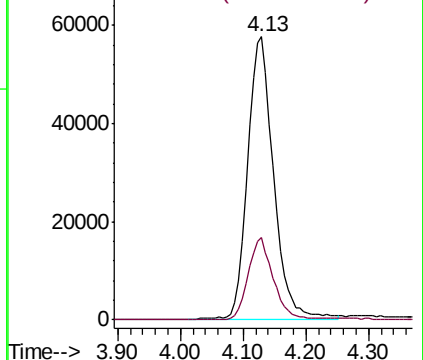
43 100

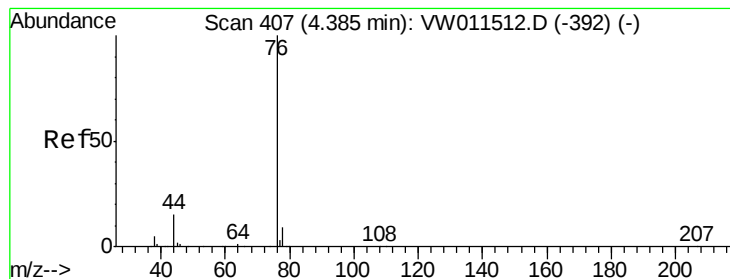
58 29.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 46.384 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

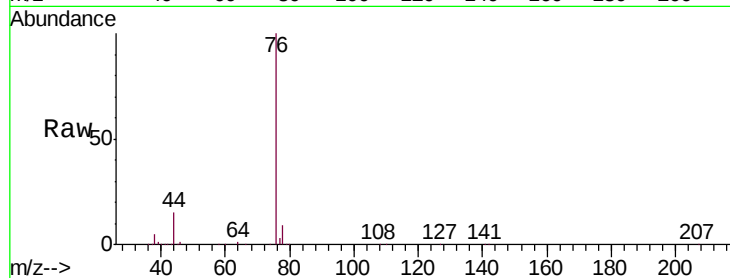
VSTDCCC050EC

Tgt Ion: 76 Resp: 372692

Ion Ratio Lower Upper

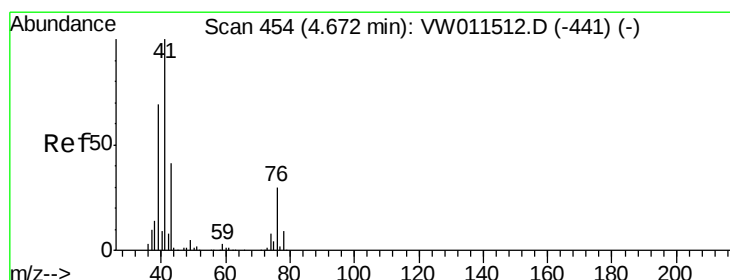
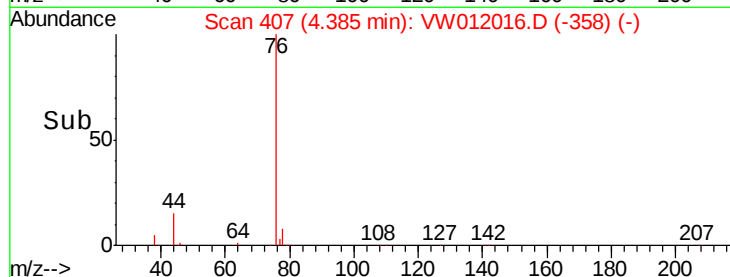
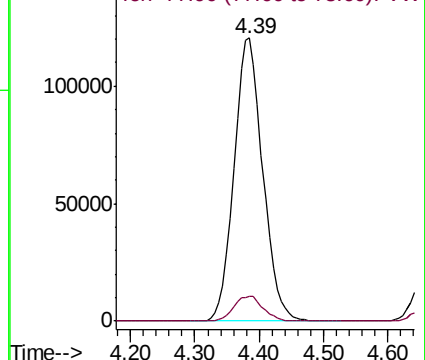
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 56.083 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012016.D

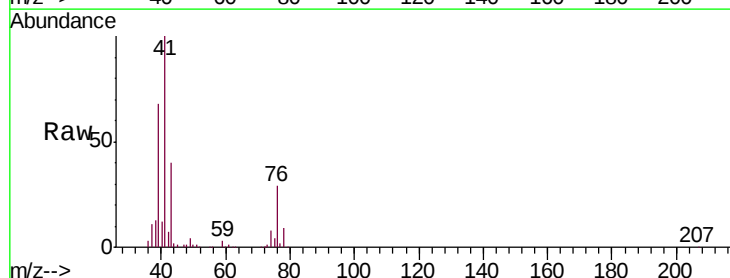
Acq: 20 Aug 2019 02:56

Tgt Ion: 43 Resp: 113438

Ion Ratio Lower Upper

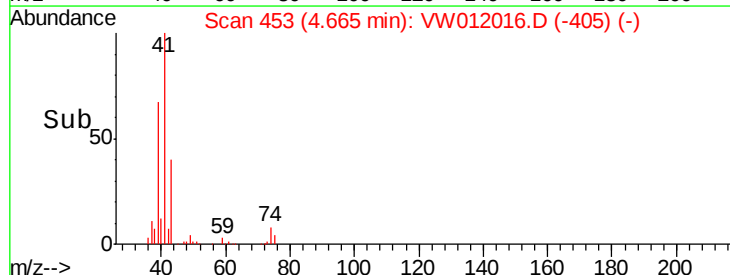
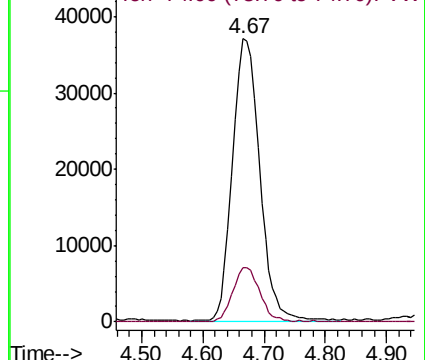
43 100

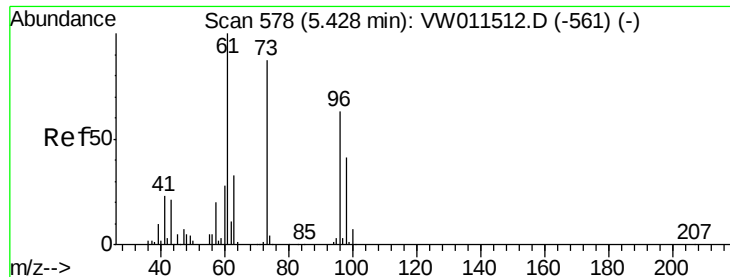
74 19.2 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

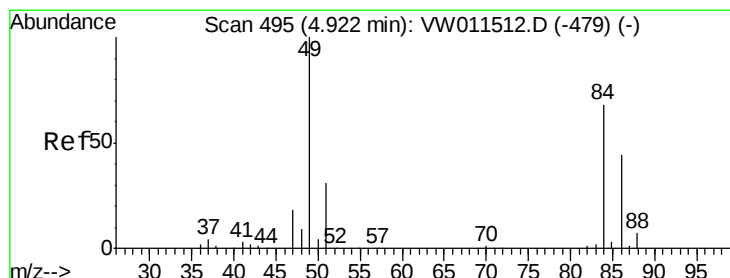
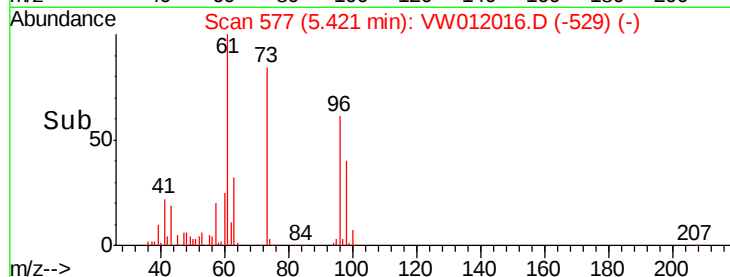
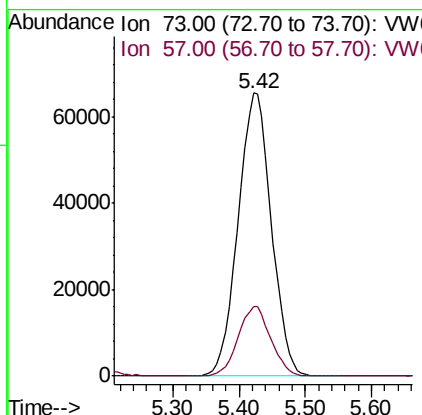
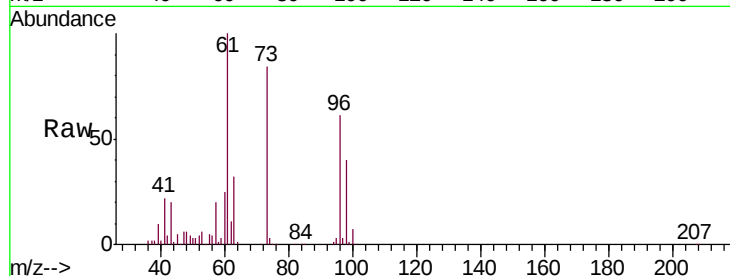




#19
Methyl tert-butyl Ether
Concen: 56.102 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

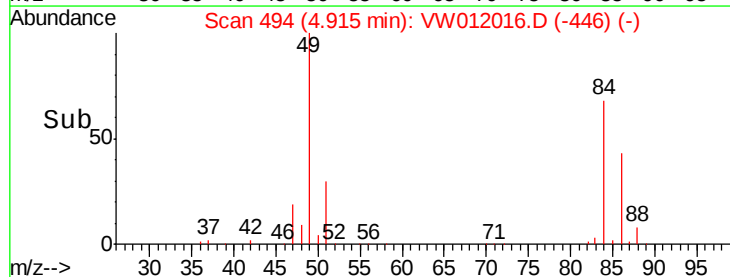
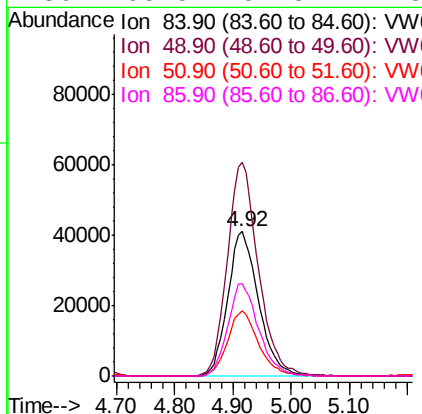
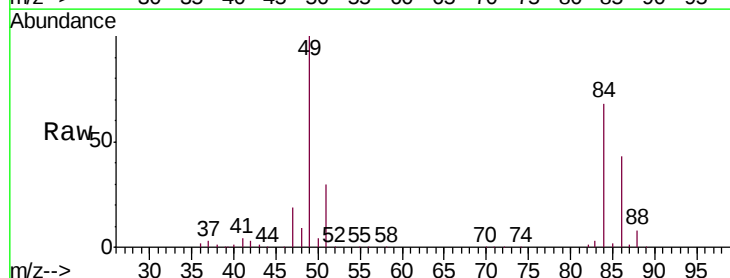
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

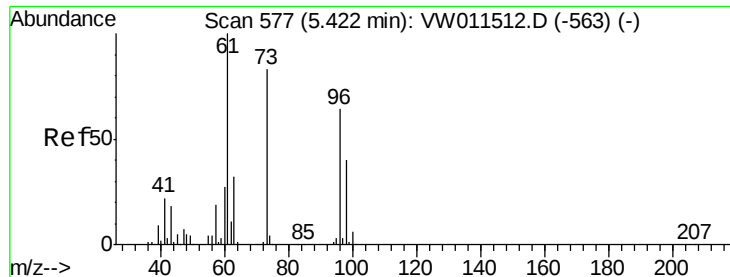
Tgt Ion: 73 Resp: 228550
Ion Ratio Lower Upper
73 100
57 24.4 18.4 27.6



#20
Methylene Chloride
Concen: 48.457 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion: 84 Resp: 150470
Ion Ratio Lower Upper
84 100
49 147.7 117.8 176.6
51 45.0 37.0 55.4
86 63.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 52.639 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

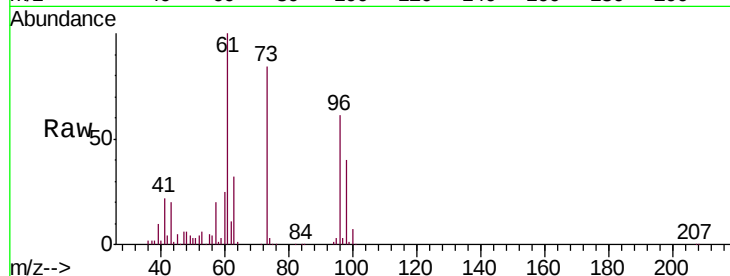
Tgt Ion: 96 Resp: 145688

Ion Ratio Lower Upper

96 100

61 165.0 125.7 188.5

98 66.2 50.3 75.5

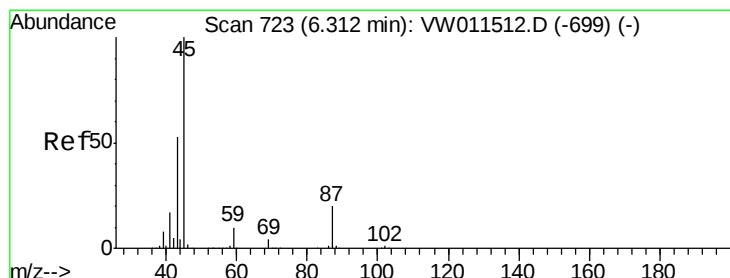
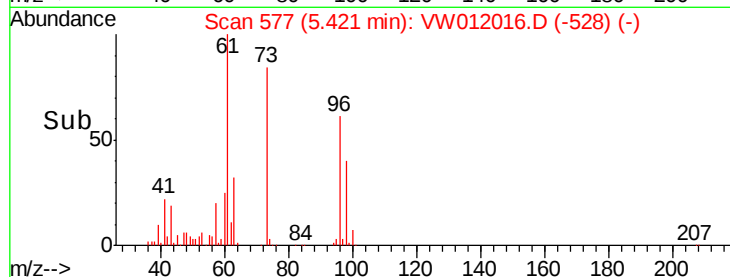
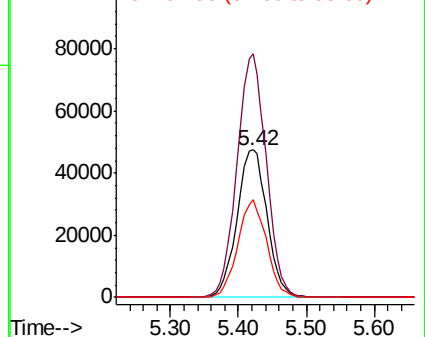


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.025 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Tgt Ion: 45 Resp: 556150

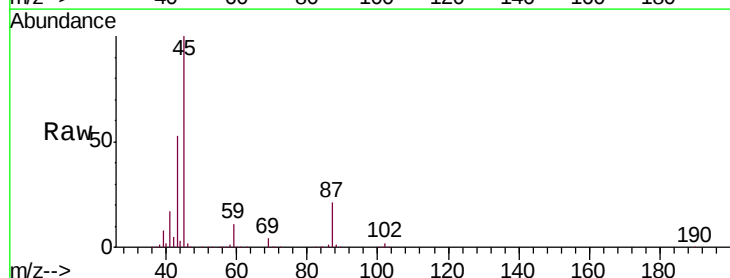
Ion Ratio Lower Upper

45 100

43 52.6 42.6 63.8

87 21.0 16.4 24.6

59 10.6 8.2 12.2



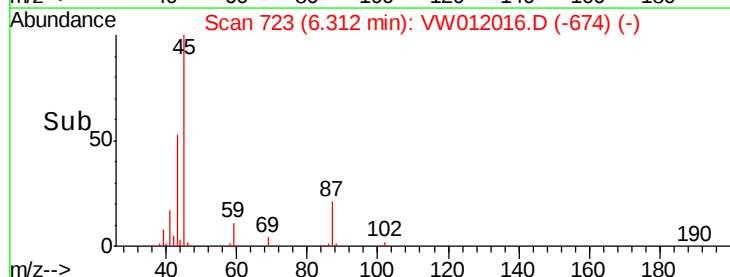
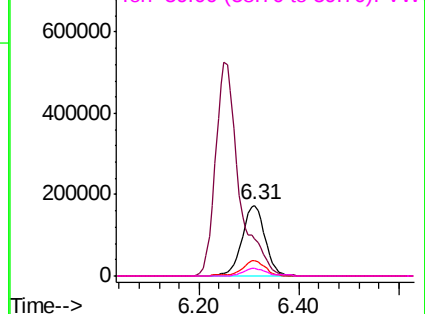
Abundance

Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

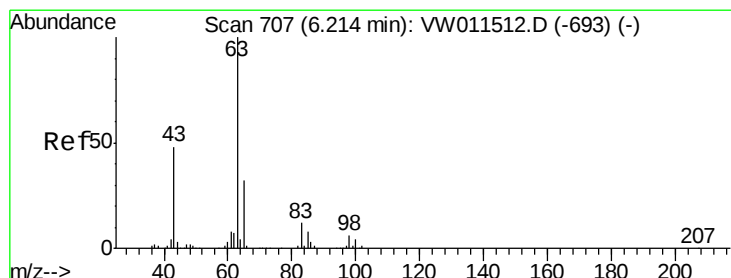
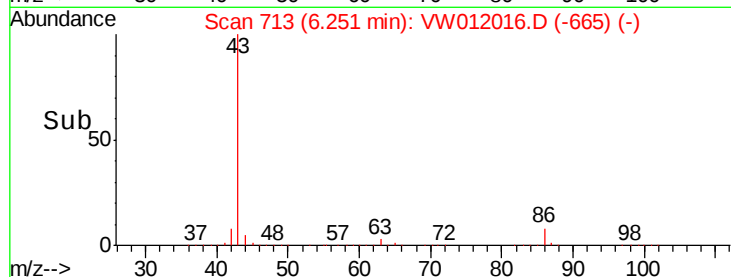
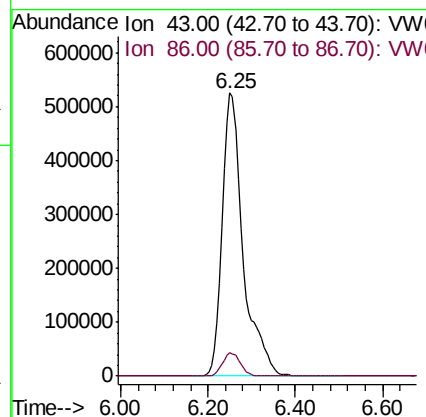
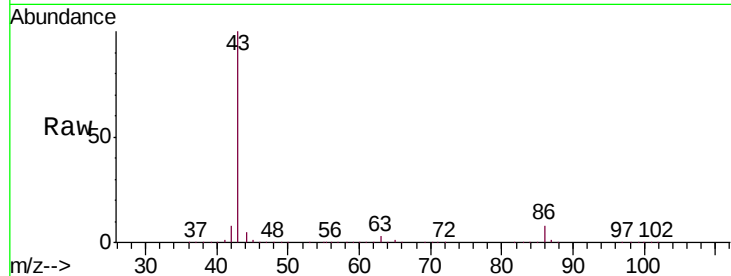




#23
 Vinyl Acetate
 Concen: 266.285 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

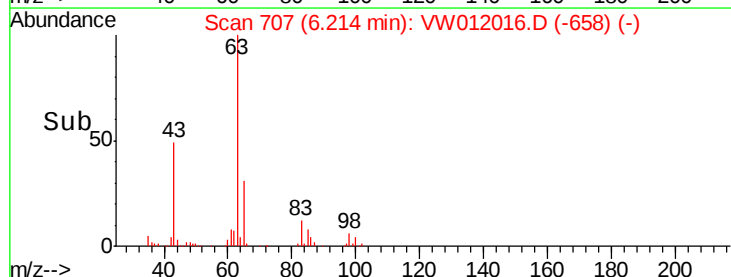
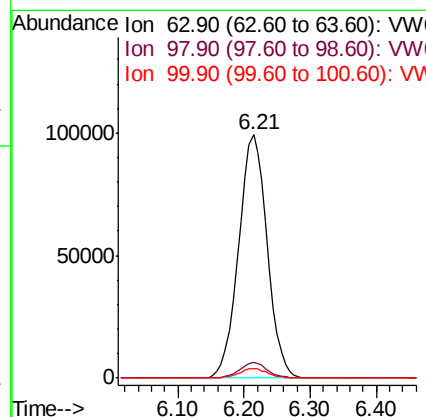
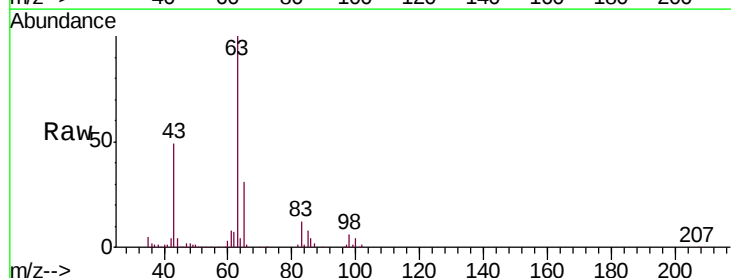
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

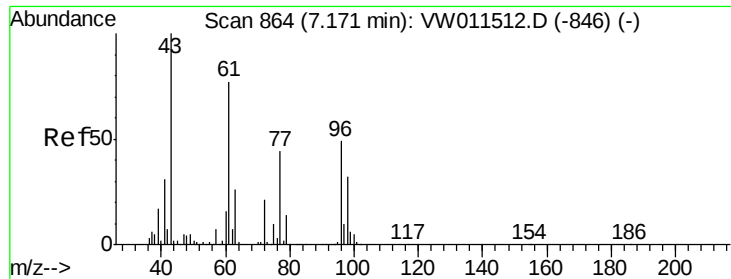
Tgt Ion: 43 Resp: 1722464
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 53.775 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 63 Resp: 296476
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.8
 100 3.8 2.1 6.3





#25

2-Butanone

Concen: 238.545 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

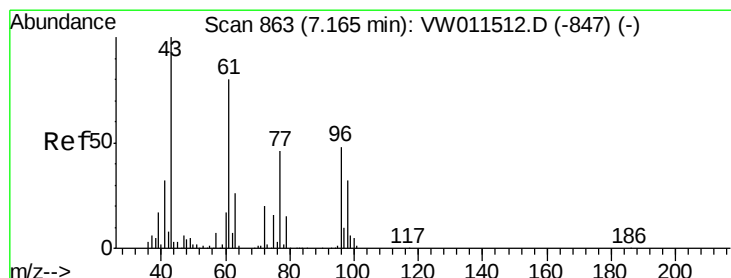
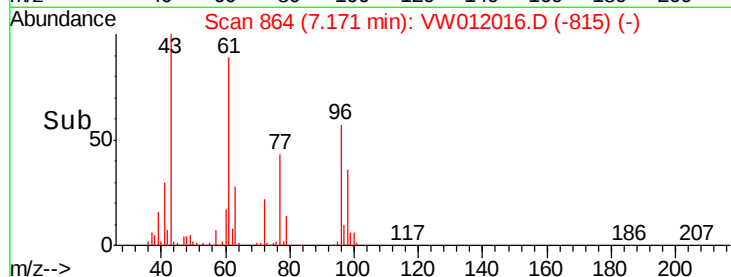
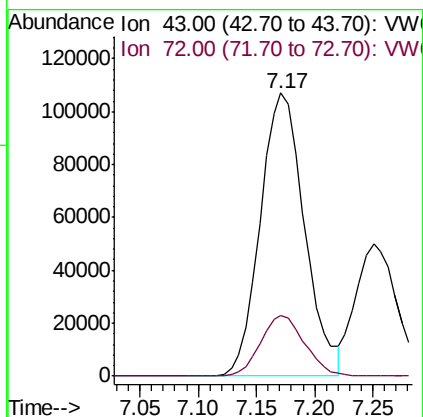
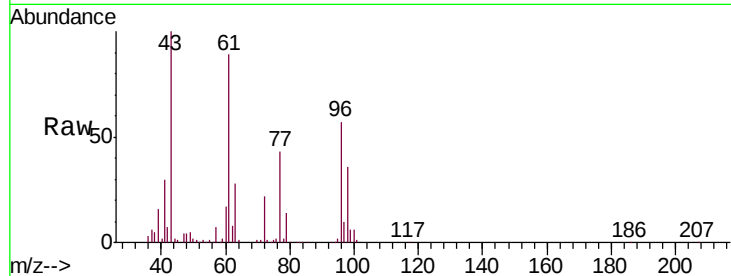
VSTDCCC050EC

Tgt Ion: 43 Resp: 281045

Ion Ratio Lower Upper

43 100

72 21.6 16.6 24.8



#26

2,2-Dichloropropane

Concen: 42.530 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012016.D

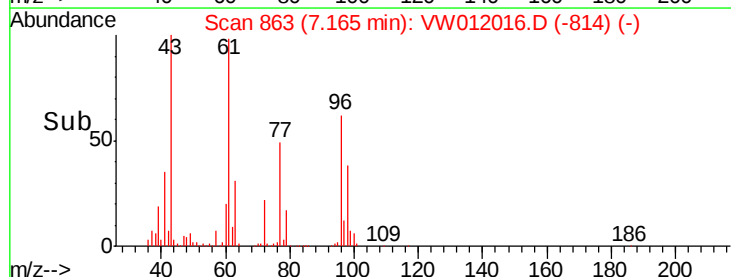
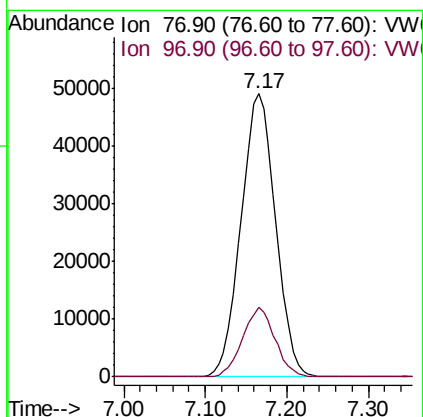
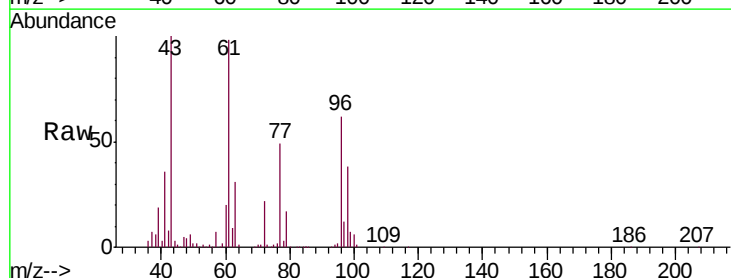
Acq: 20 Aug 2019 02:56

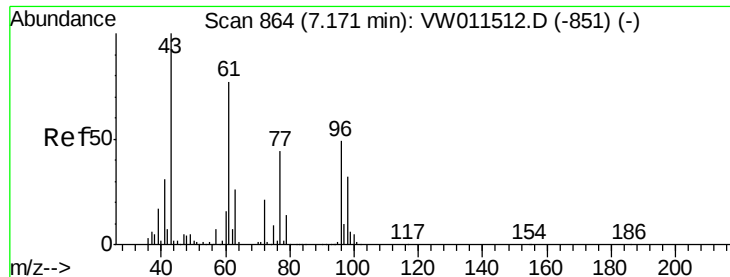
Tgt Ion: 77 Resp: 144204

Ion Ratio Lower Upper

77 100

97 23.2 10.8 32.4



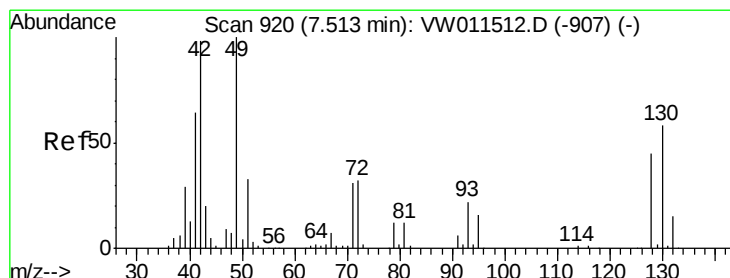
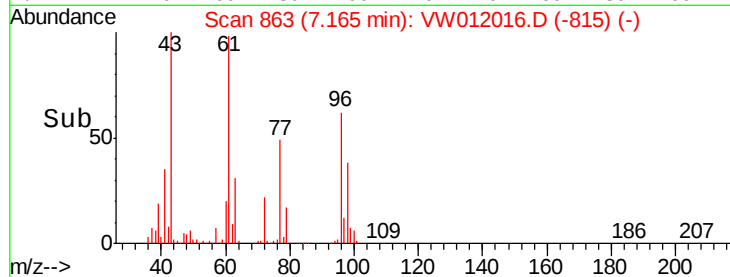
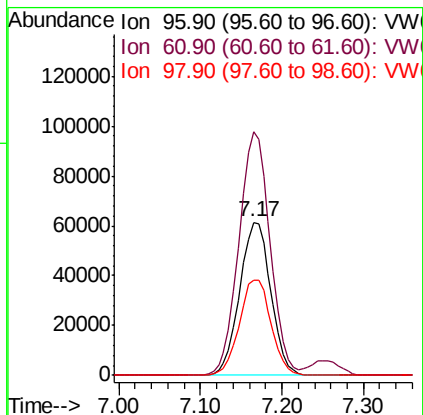
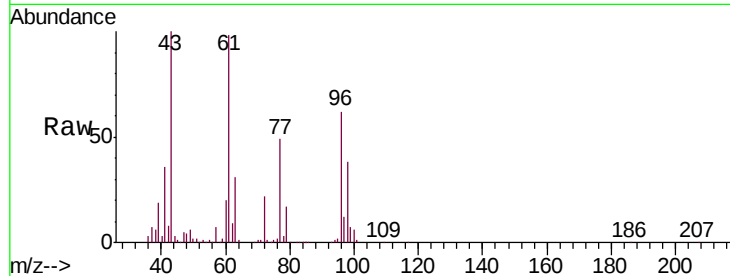


#27

cis-1,2-Dichloroethene
 Concen: 53.552 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

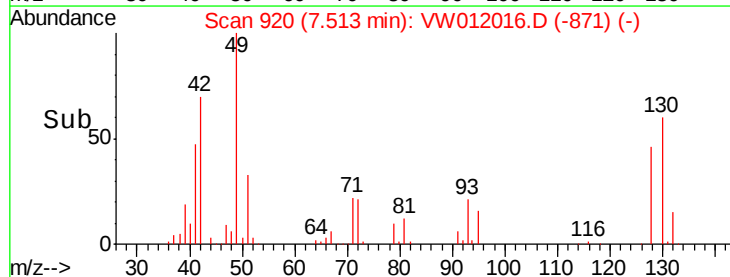
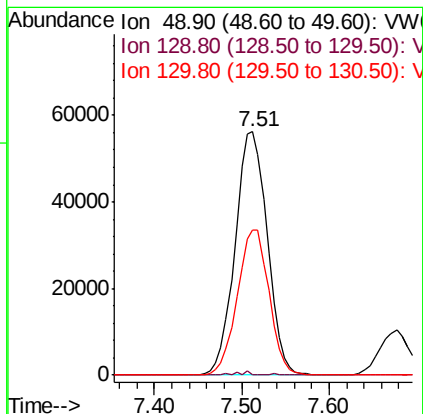
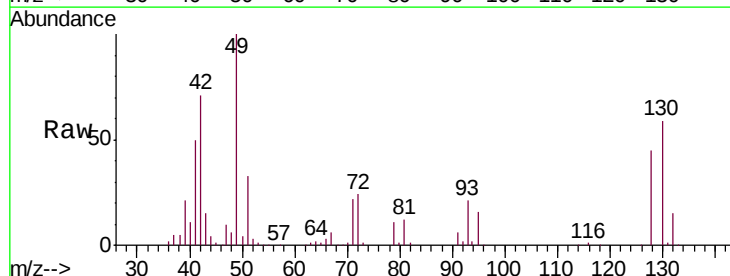
Tgt Ion: 96 Resp: 163123
 Ion Ratio Lower Upper
 96 100
 61 158.8 0.0 328.4
 98 63.3 0.0 128.8

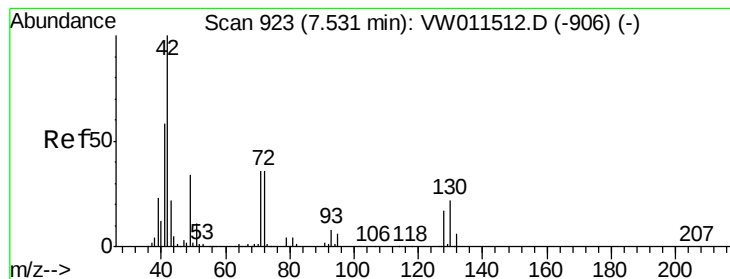


#28

Bromochloromethane
 Concen: 58.844 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 49 Resp: 144000
 Ion Ratio Lower Upper
 49 100
 129 0.5 0.0 1.0
 130 58.8 46.3 69.5





#29

Tetrahydrofuran

Concen: 273.046 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

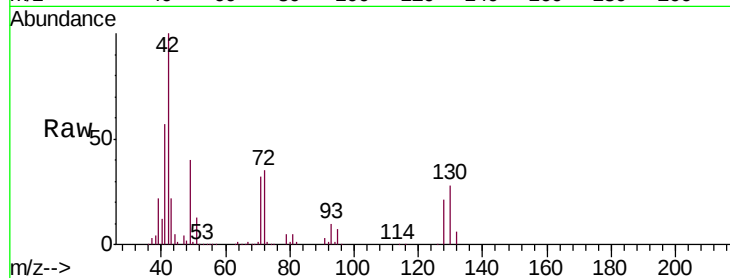
Tgt Ion: 42 Resp: 183882

Ion Ratio Lower Upper

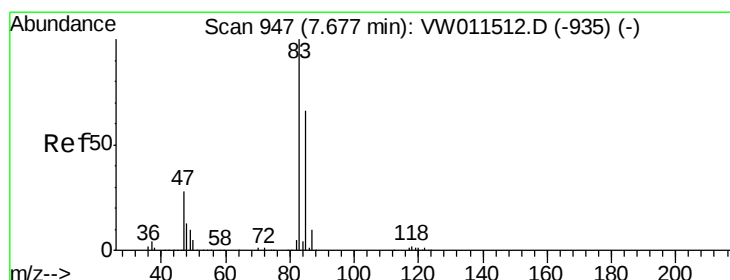
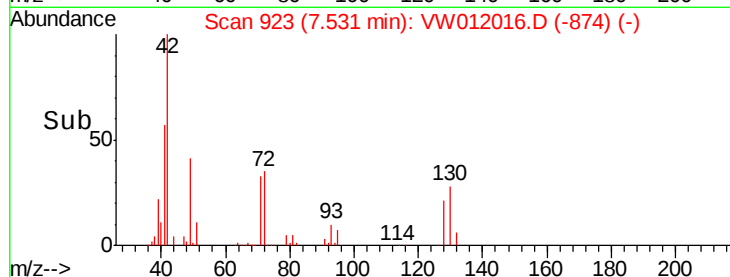
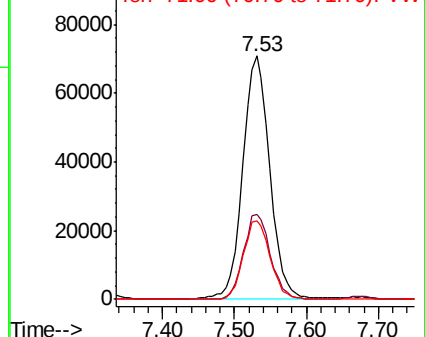
42 100

72 34.9 27.1 40.7

71 32.3 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: 52.865 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012016.D

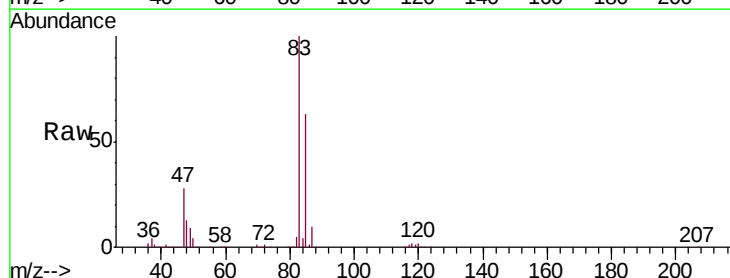
Acq: 20 Aug 2019 02:56

Tgt Ion: 83 Resp: 268891

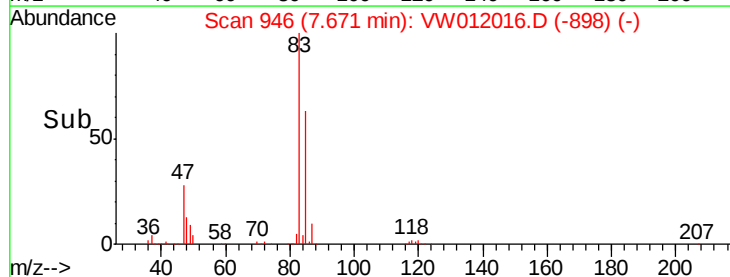
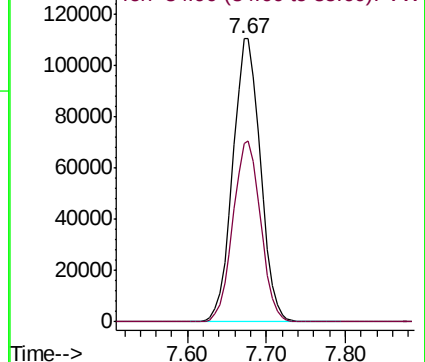
Ion Ratio Lower Upper

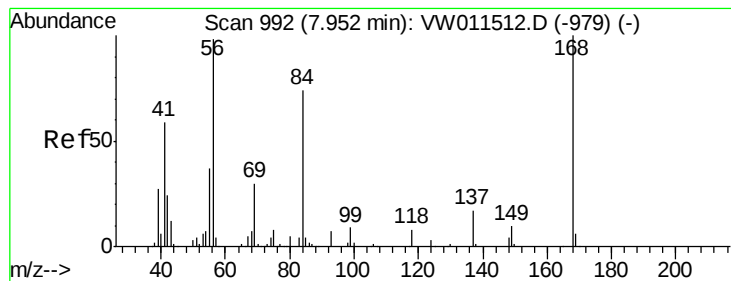
83 100

85 63.2 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: 48.473 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

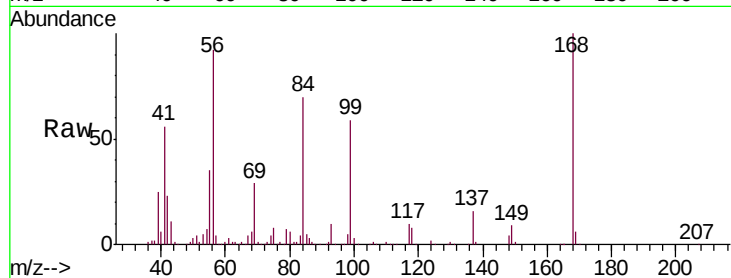
Tgt Ion: 56 Resp: 256533

Ion Ratio Lower Upper

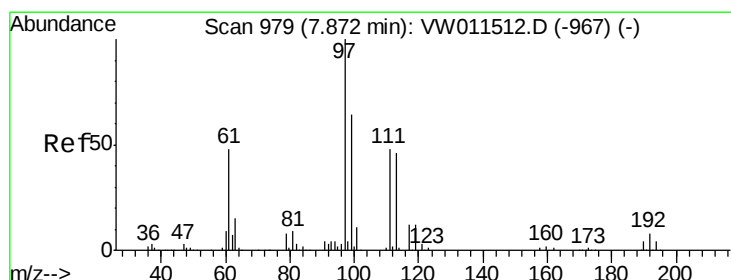
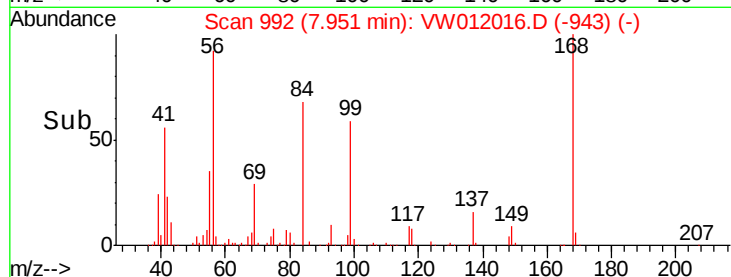
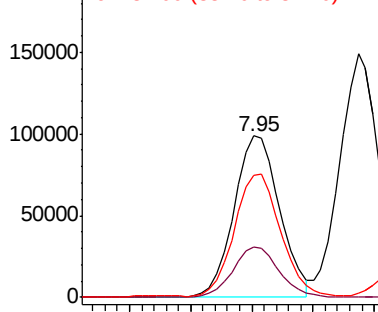
56 100

69 31.5 24.3 36.5

84 74.3 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 53.678 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

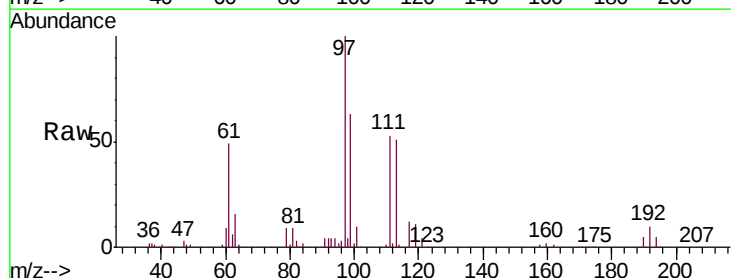
Tgt Ion: 97 Resp: 207928

Ion Ratio Lower Upper

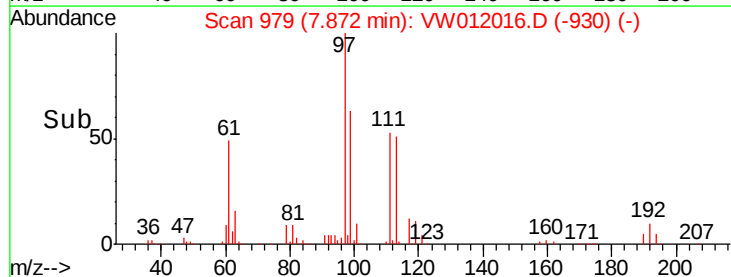
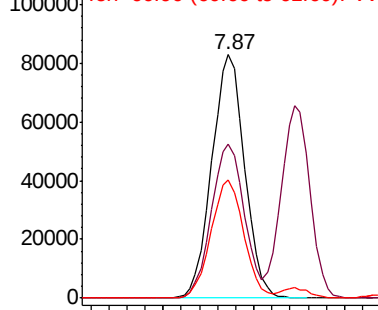
97 100

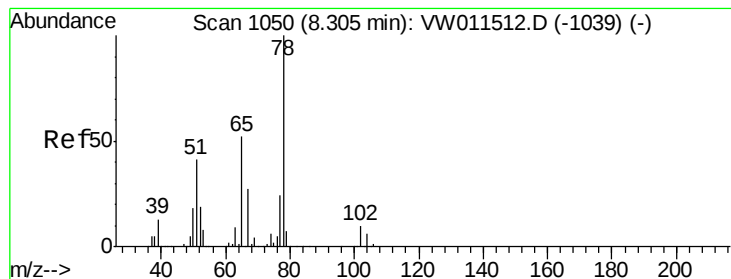
99 63.5 51.0 76.6

61 48.6 39.8 59.6



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





#33

1,2-Dichloroethane-d4

Concen: 55.143 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

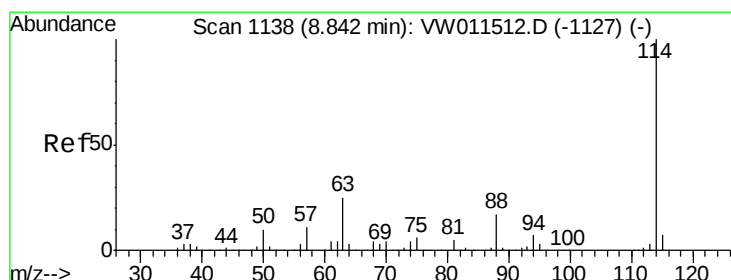
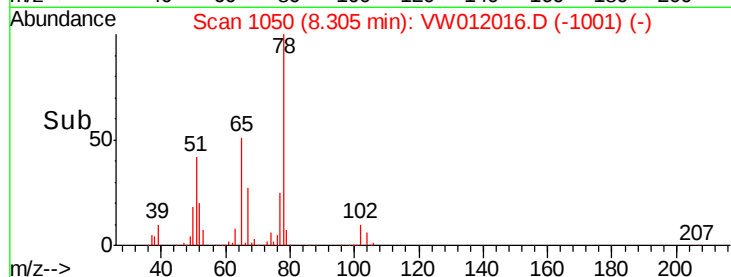
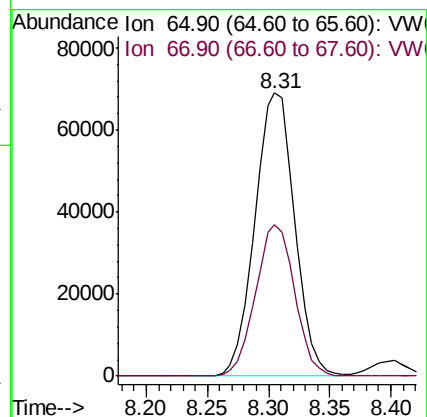
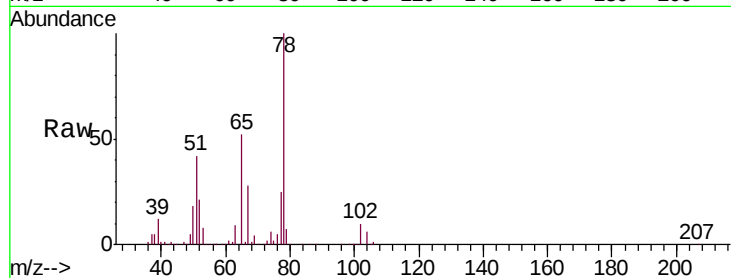
VSTDCCC050EC

Tgt Ion: 65 Resp: 156082

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

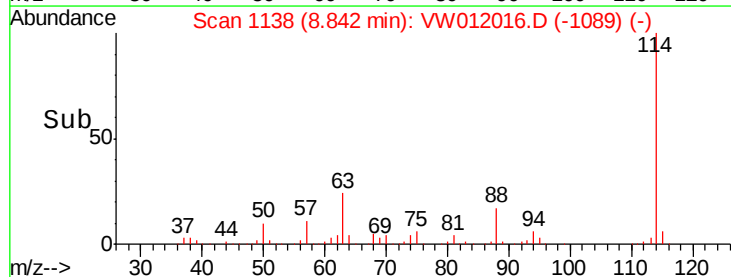
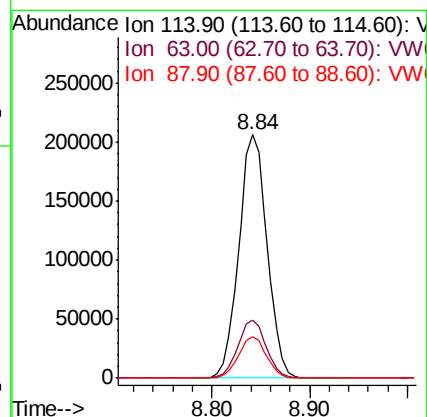
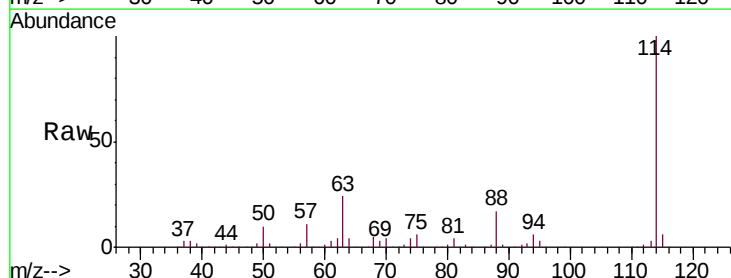
Tgt Ion: 114 Resp: 412226

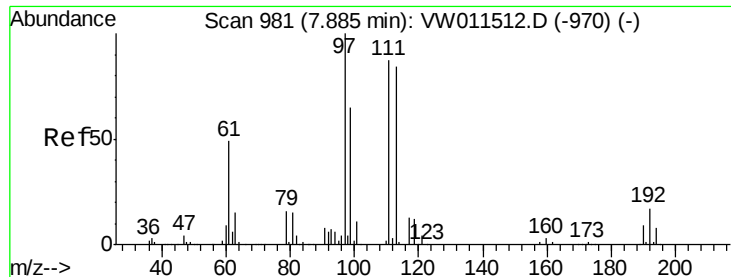
Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.2

88 17.0 0.0 33.8

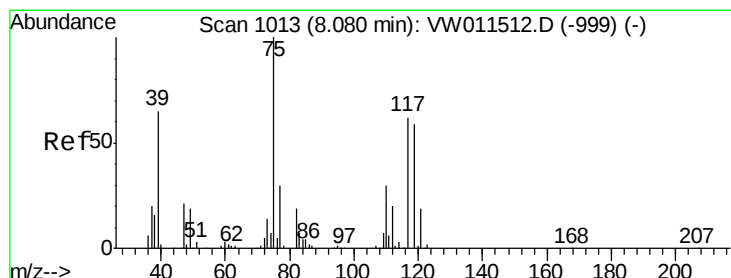
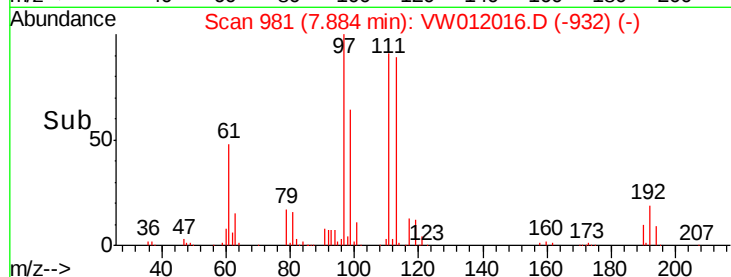
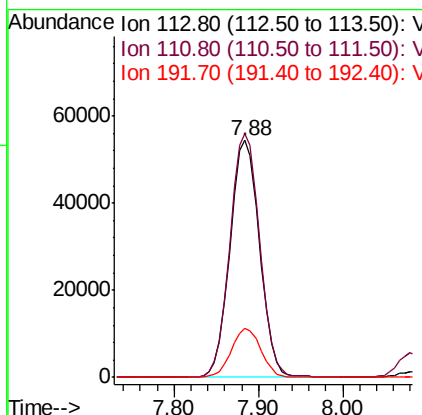
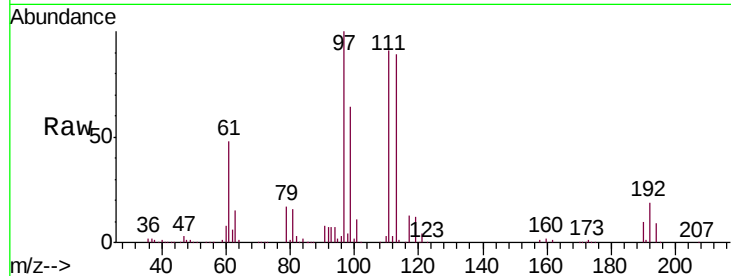




#35
 Dibromofluoromethane
 Concen: 55.929 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

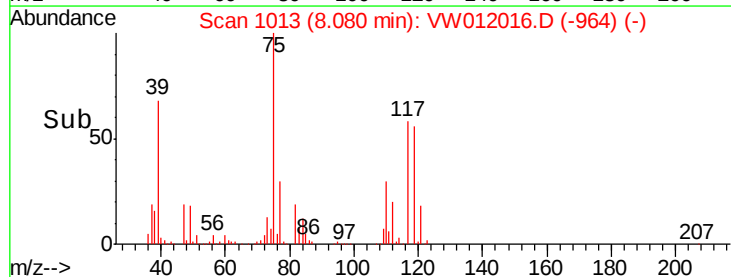
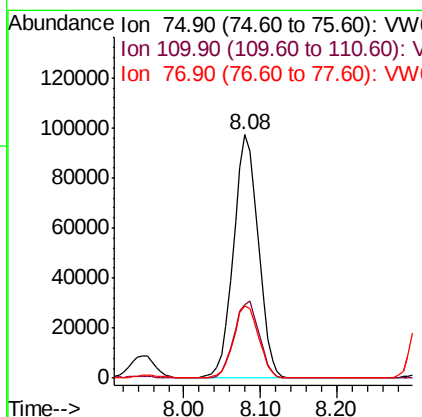
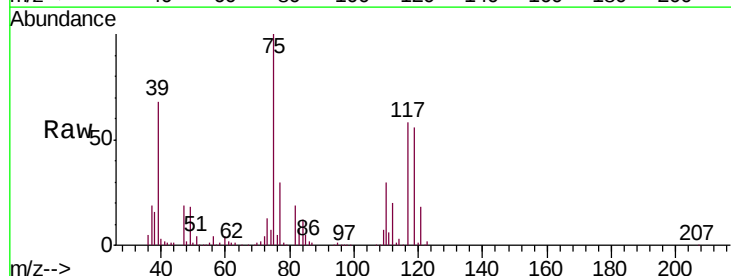
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

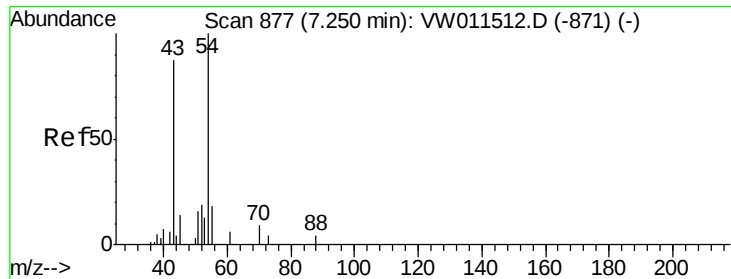
Tgt Ion:113 Resp: 129345
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 20.5 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 50.920 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 75 Resp: 218262
 Ion Ratio Lower Upper
 75 100
 110 32.1 15.6 46.8
 77 30.5 24.3 36.5

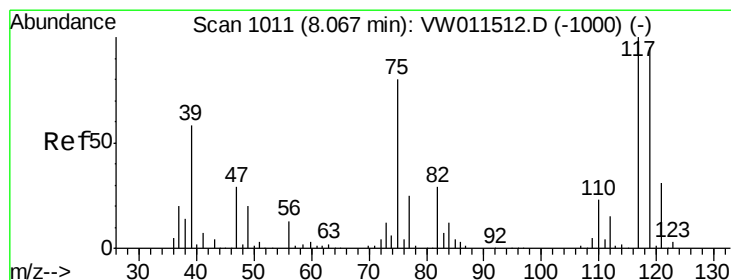
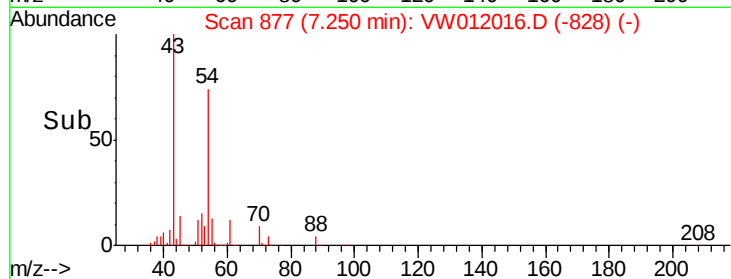
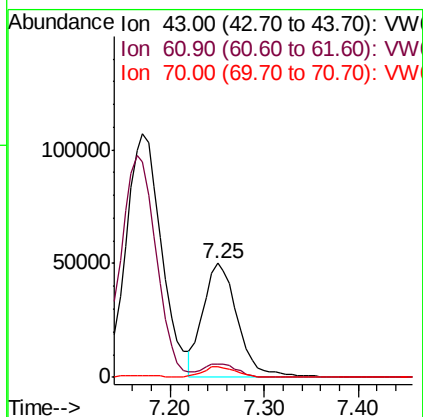
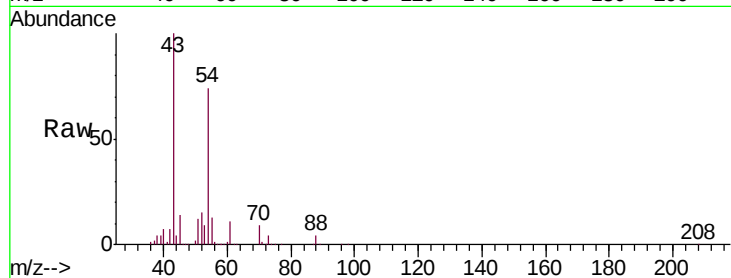




#37
Ethyl Acetate
Concen: 51.190 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

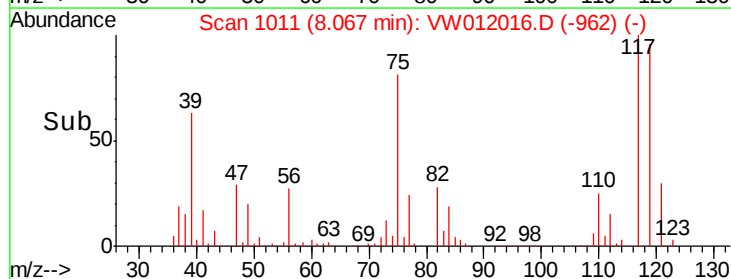
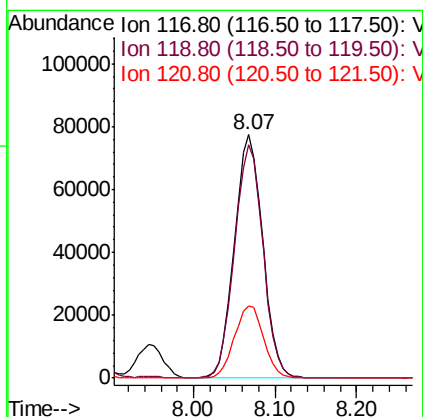
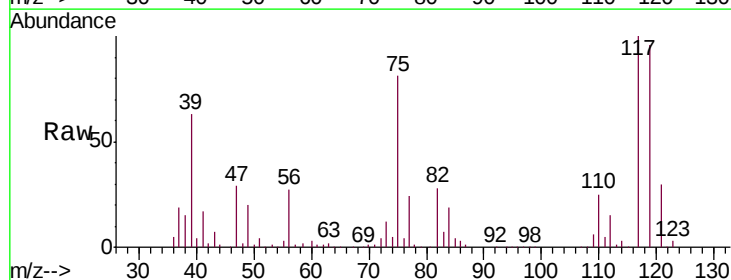
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

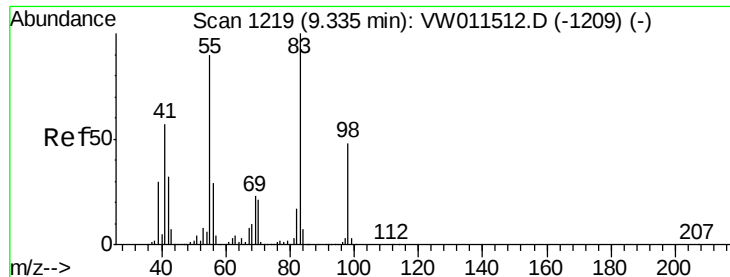
Tgt Ion: 43 Resp: 126239
Ion Ratio Lower Upper
43 100
61 12.4 8.8 13.2
70 8.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 50.595 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion: 117 Resp: 185655
Ion Ratio Lower Upper
117 100
119 95.8 75.8 113.6
121 29.6 24.7 37.1

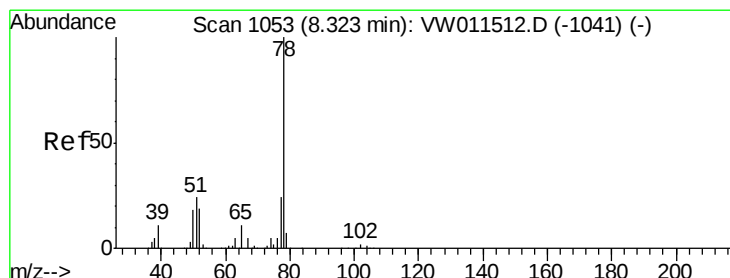
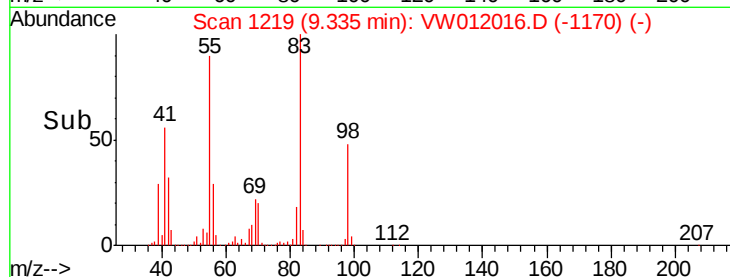
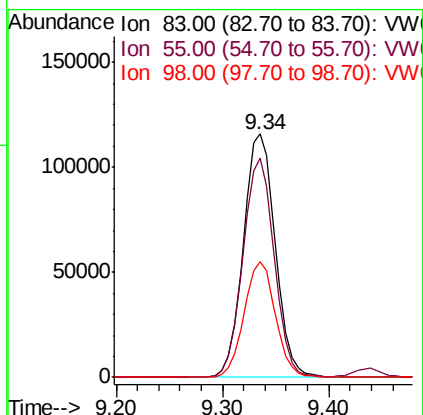
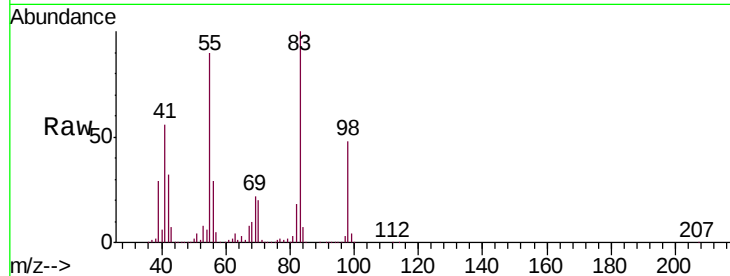




#39
Methylcyclohexane
Concen: 51.771 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

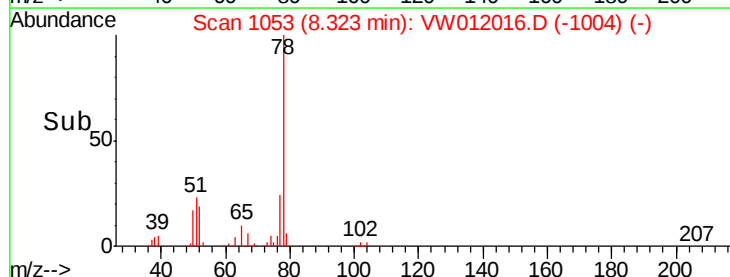
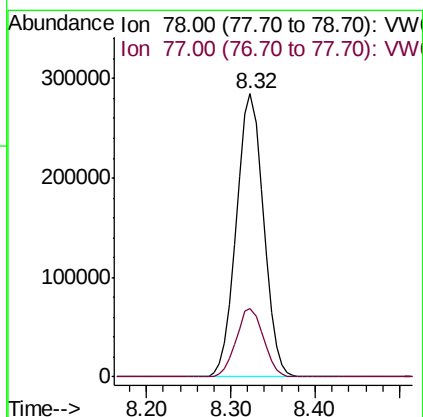
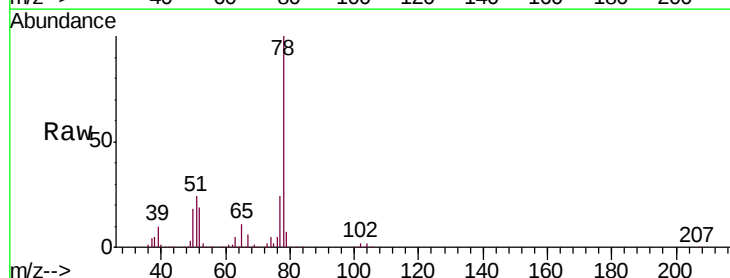
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

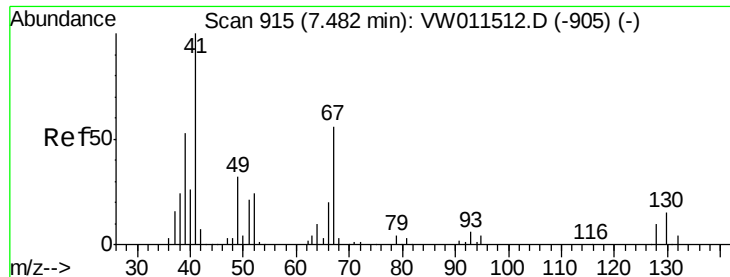
Tgt Ion: 83 Resp: 244351
Ion Ratio Lower Upper
83 100
55 89.7 72.1 108.1
98 47.6 38.6 57.8



#40
Benzene
Concen: 51.596 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion: 78 Resp: 619480
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.0

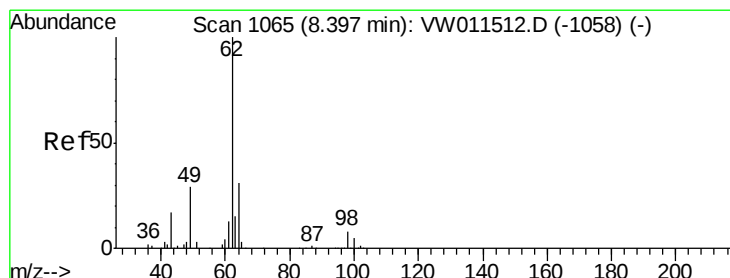
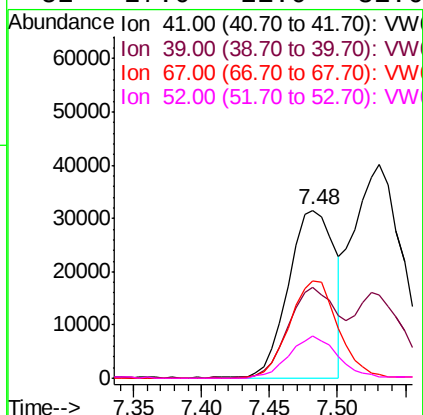
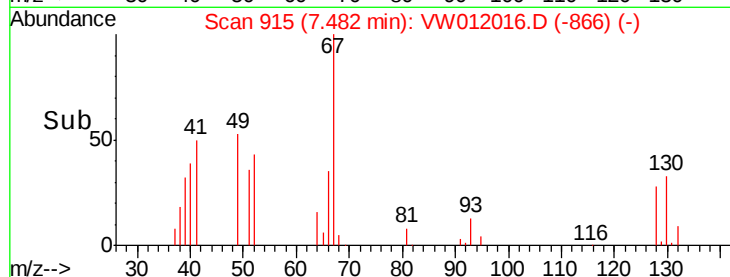
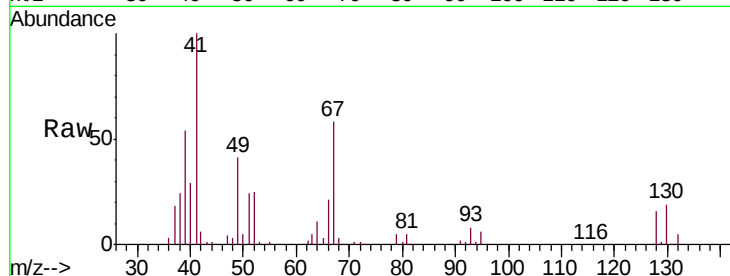




#41
Methacrylonitrile
Concen: 50.453 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

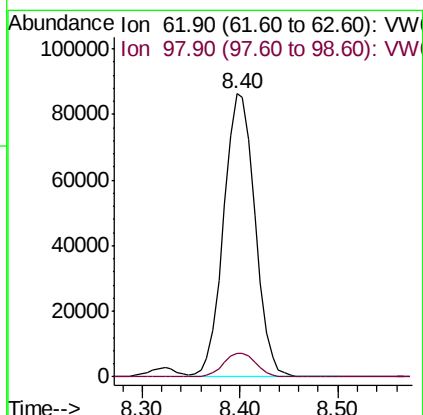
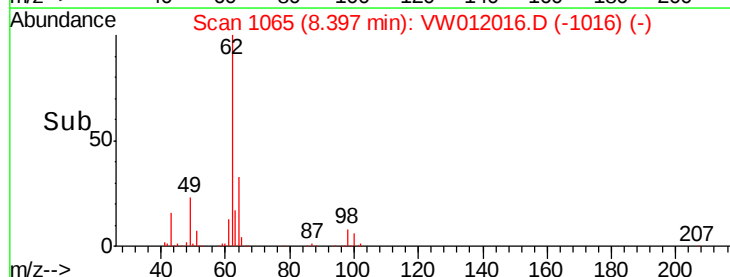
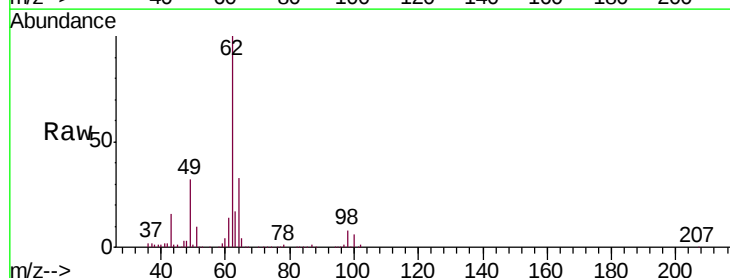
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

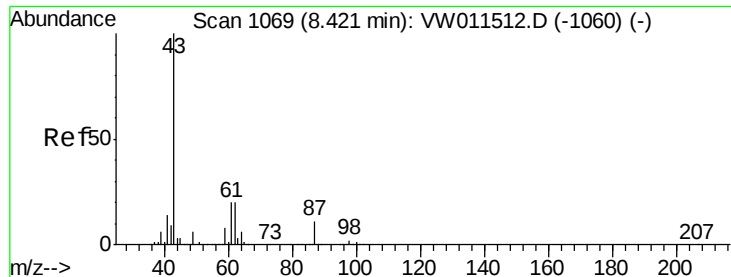
Tgt Ion:	41	Resp:	74375
Ion	Ratio	Lower	Upper
41	100		
39	58.7	43.0	64.4
67	61.1	47.5	71.3
52	27.0	21.0	31.6



#42
1,2-Dichloroethane
Concen: 50.899 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion:	62	Resp:	191332
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.8





#43

Isopropyl Acetate

Concen: 53.774 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

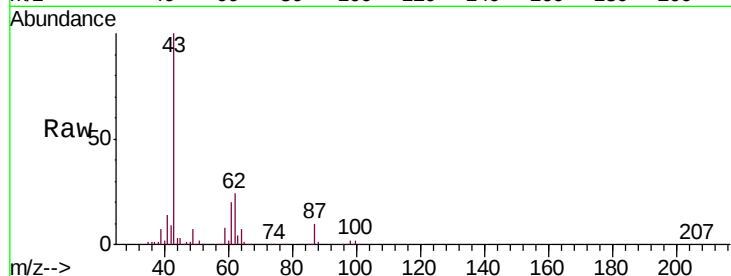
Tgt Ion: 43 Resp: 243884

Ion Ratio Lower Upper

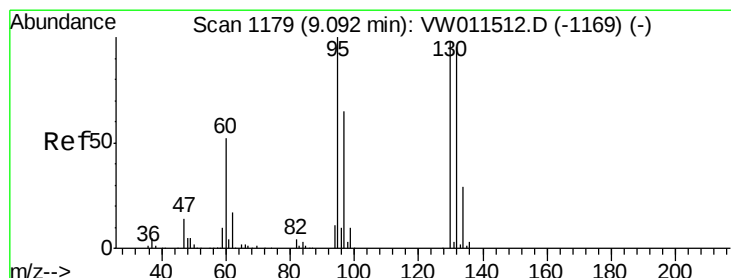
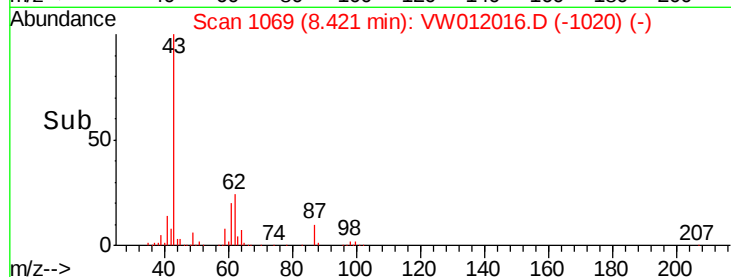
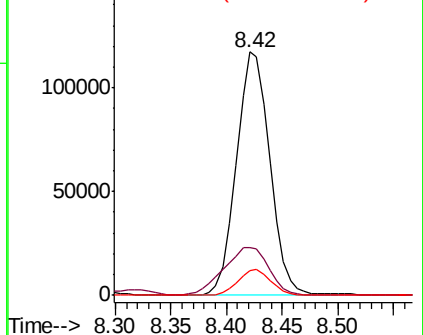
43 100

61 26.5 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: 52.335 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012016.D

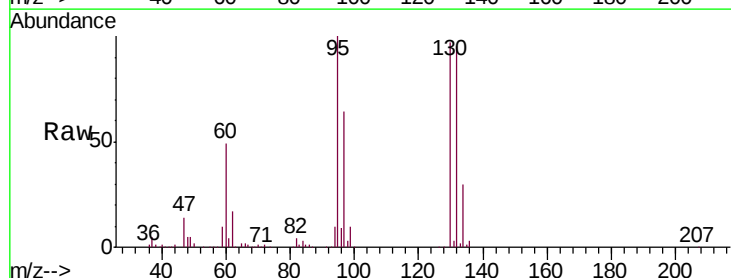
Acq: 20 Aug 2019 02:56

Tgt Ion: 130 Resp: 151023

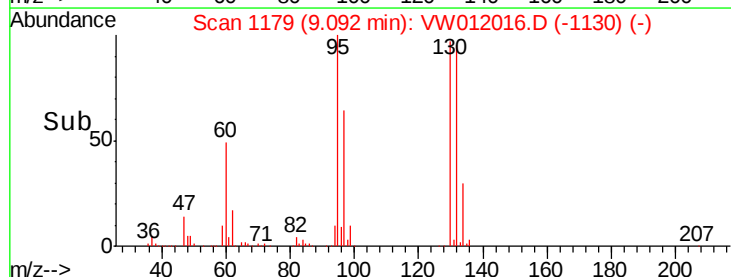
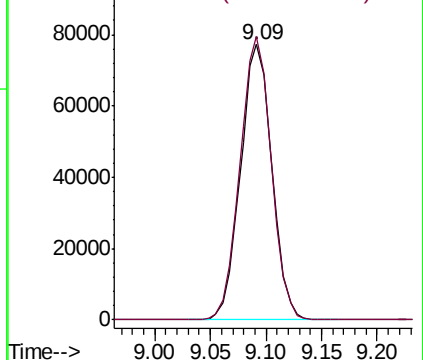
Ion Ratio Lower Upper

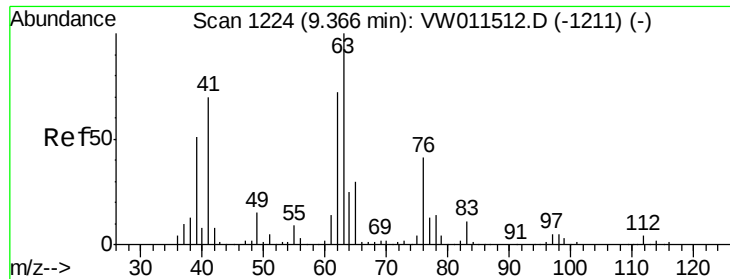
130 100

95 102.8 0.0 204.8



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

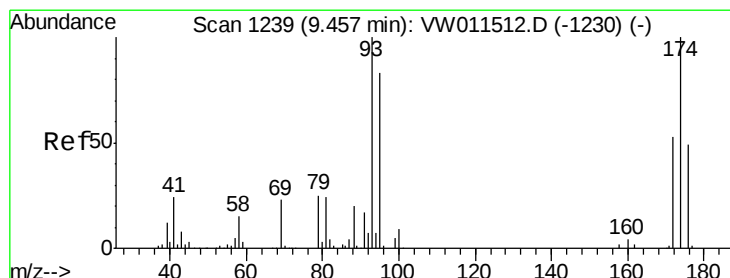
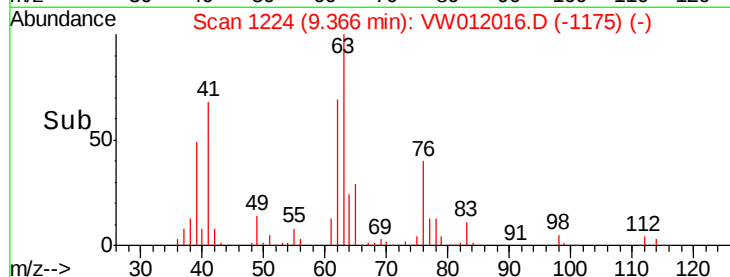
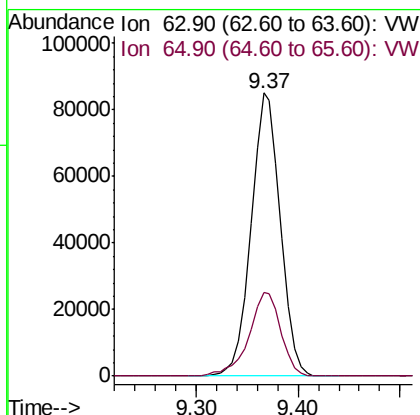
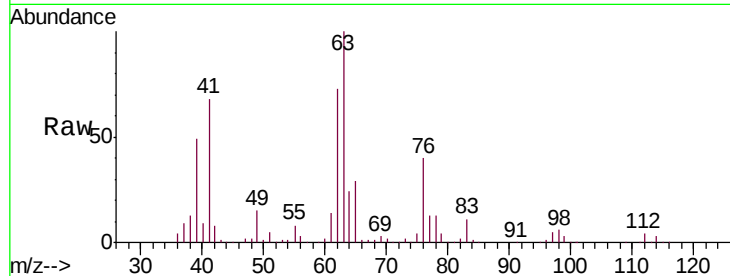




#45
 1,2-Dichloropropane
 Concen: 52.825 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

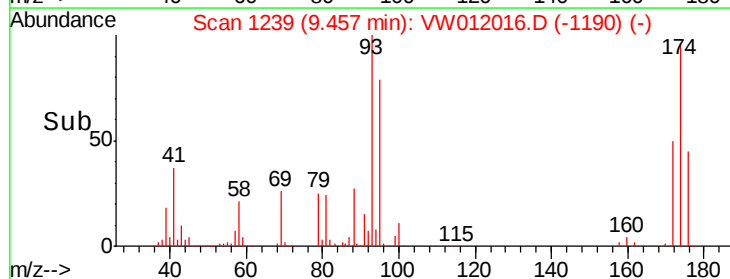
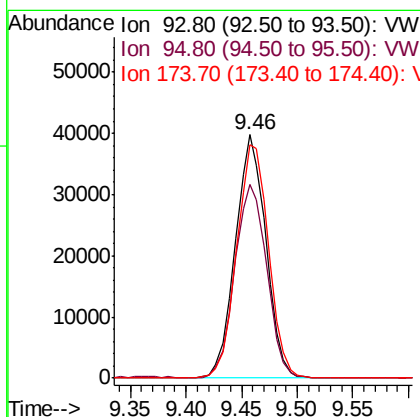
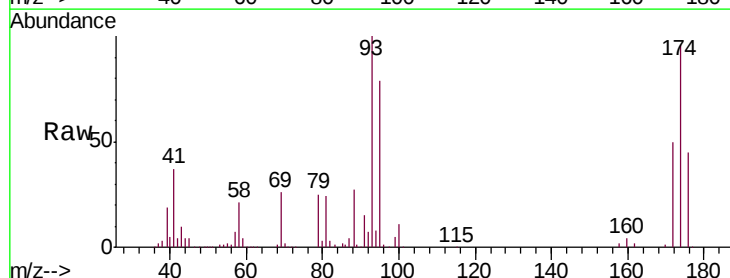
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

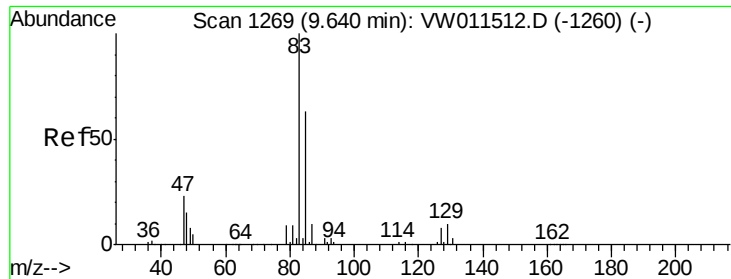
Tgt Ion: 63 Resp: 169702
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.2 36.4



#46
 Dibromomethane
 Concen: 51.453 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 93 Resp: 75444
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.2
 174 100.4 78.2 117.4

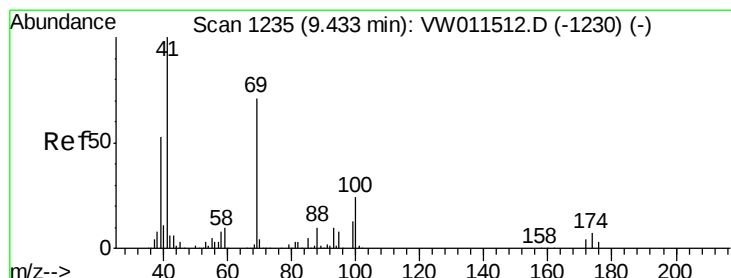
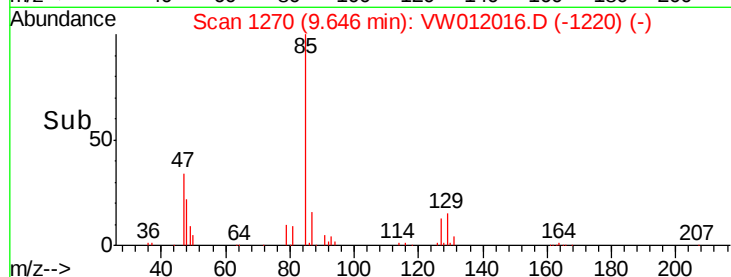
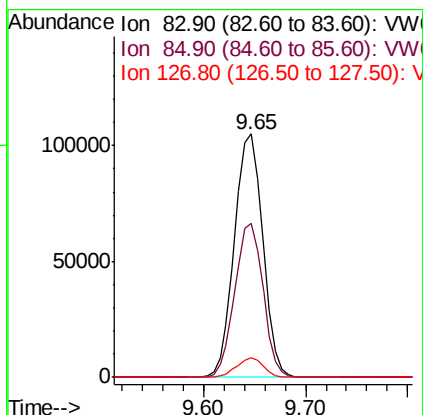
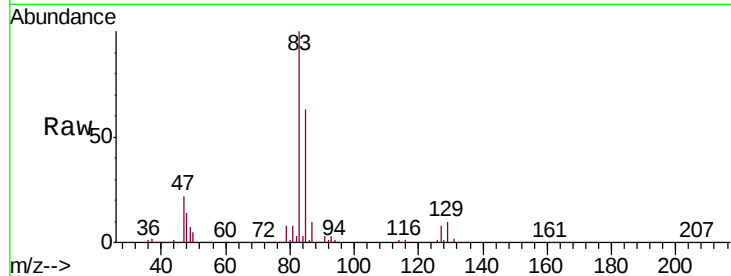




#47
 Bromodichloromethane
 Concen: 52.682 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

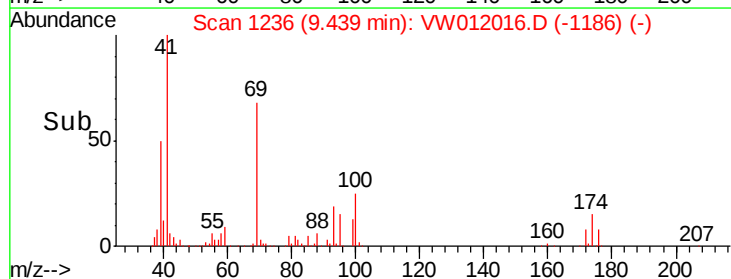
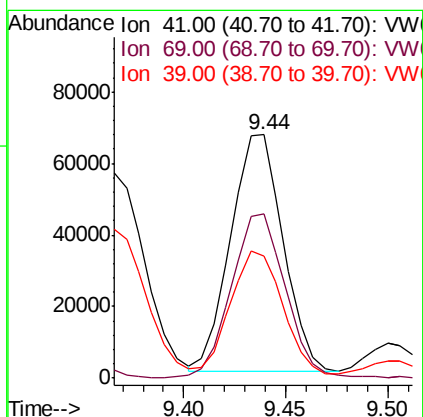
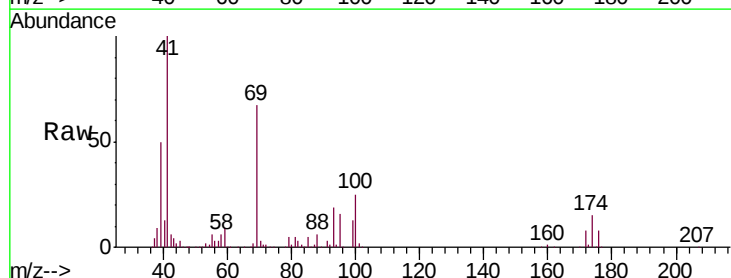
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

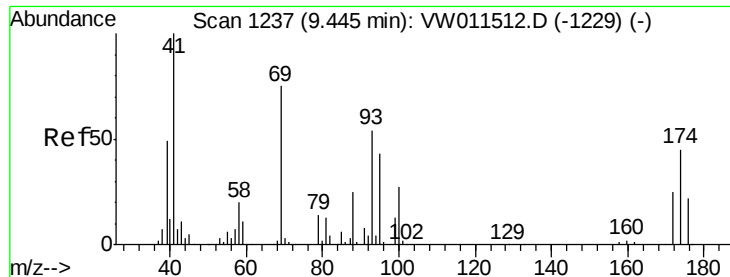
Tgt Ion: 83 Resp: 202623
 Ion Ratio Lower Upper
 83 100
 85 63.1 50.5 75.7
 127 8.0 6.4 9.6



#48
 Methyl methacrylate
 Concen: 54.308 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 41 Resp: 118315
 Ion Ratio Lower Upper
 41 100
 69 71.3 57.1 85.7
 39 55.3 45.4 68.2

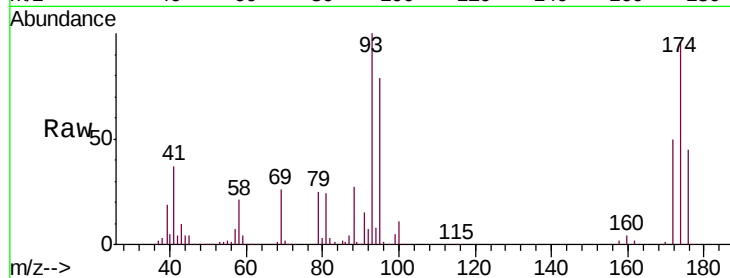




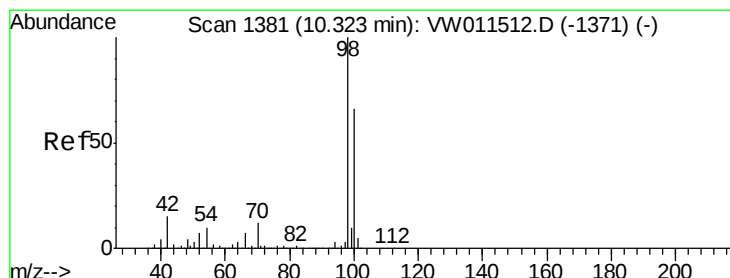
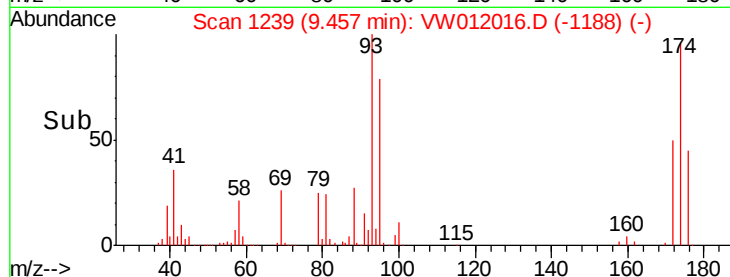
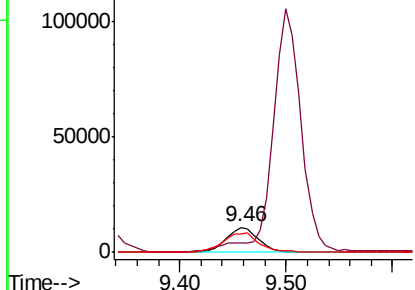
#49
1,4-Dioxane
Concen: 1078.875 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 22905
Ion Ratio Lower Upper
88 100
43 0.0 34.0 51.0#
58 87.4 69.7 104.5

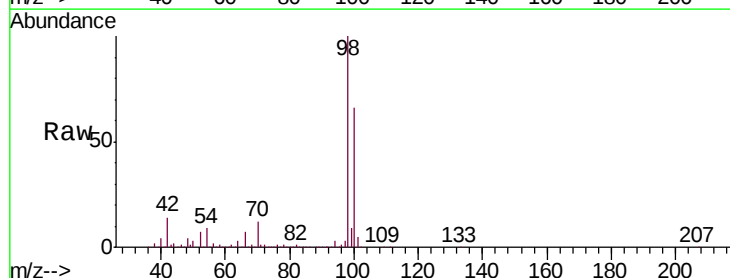


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

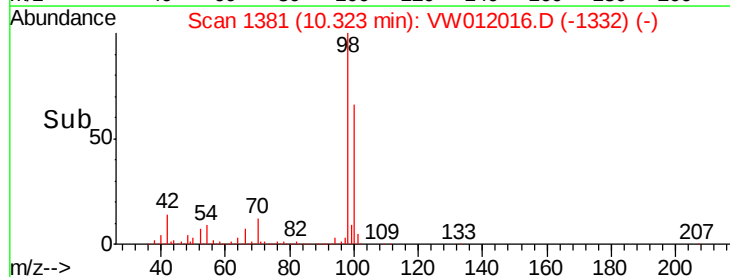
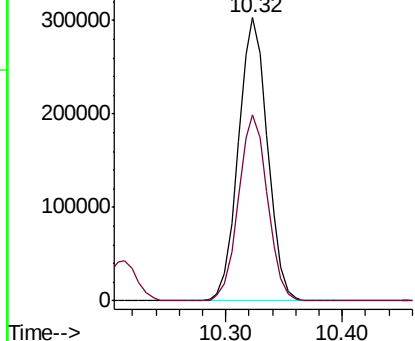


#50
Toluene-d8
Concen: 55.741 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion: 98 Resp: 527796
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



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

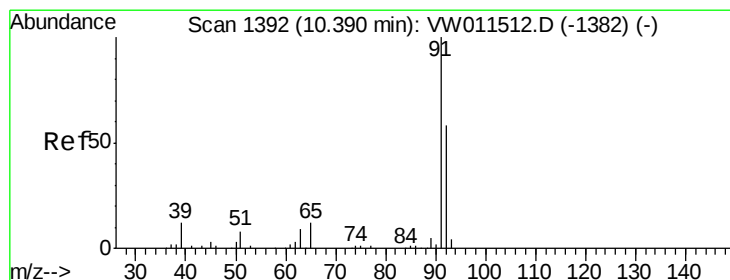
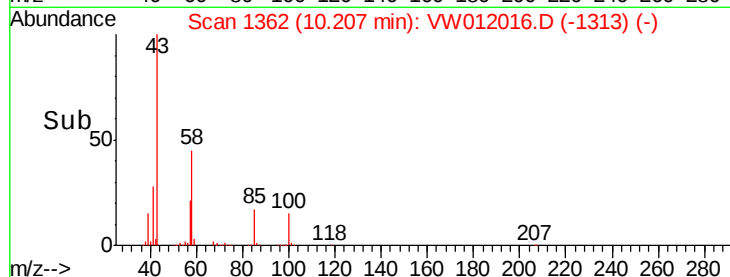
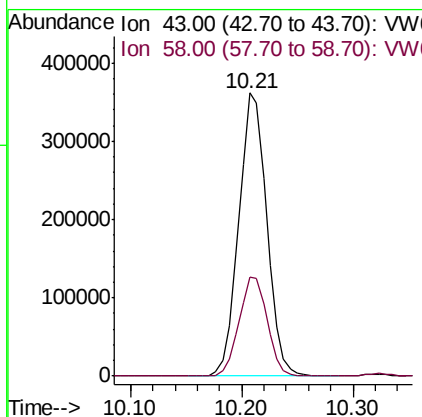
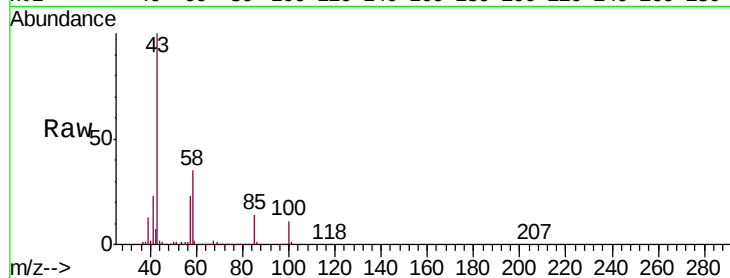




#51
 4-Methyl-2-Pentanone
 Concen: 267.010 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

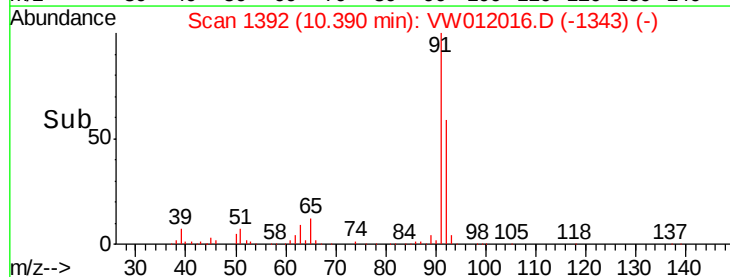
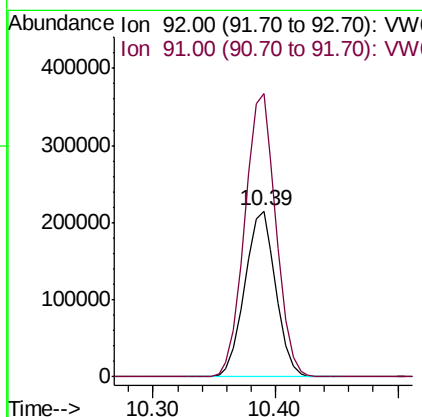
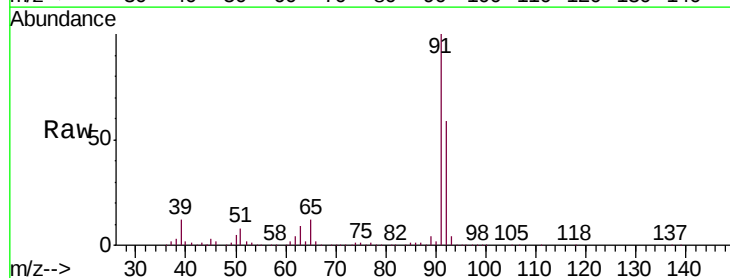
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

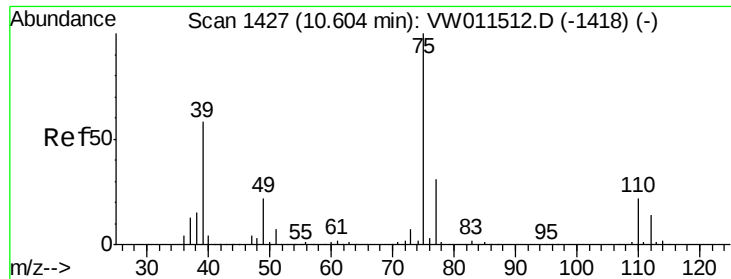
Tgt Ion: 43 Resp: 629887
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.2 42.2



#52
 Toluene
 Concen: 52.083 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 92 Resp: 377635
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.7 205.1

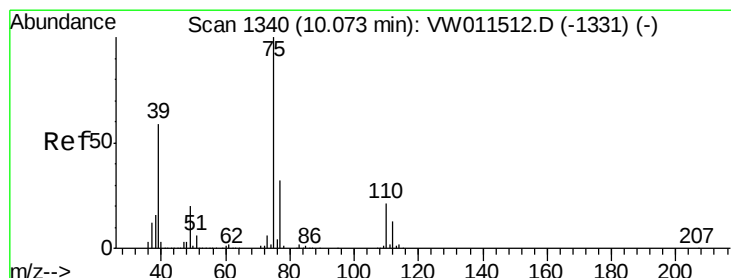
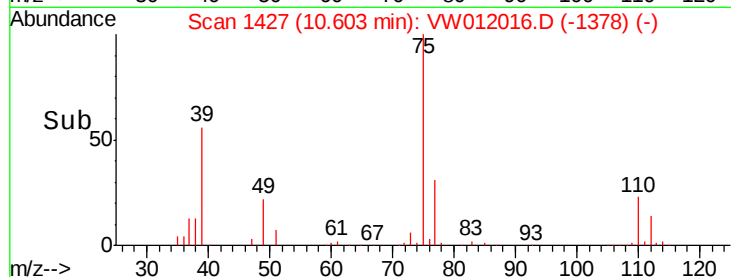
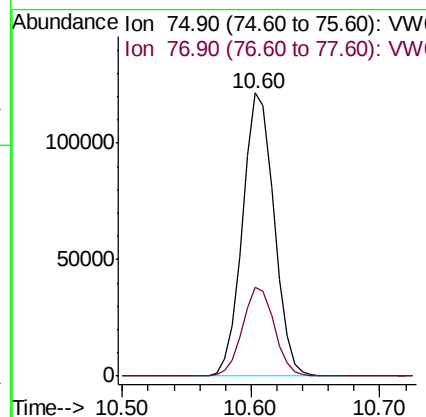
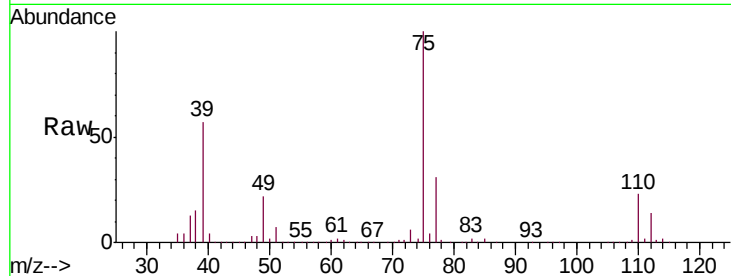




#53
t-1,3-Dichloropropene
Concen: 51.244 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

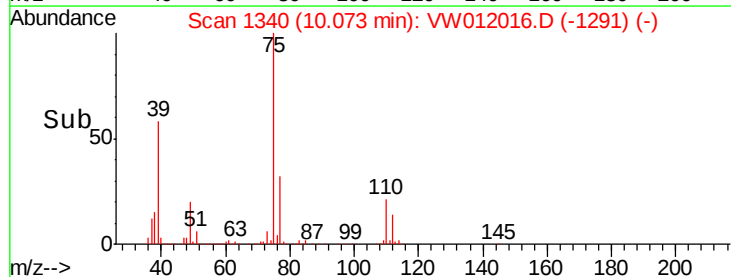
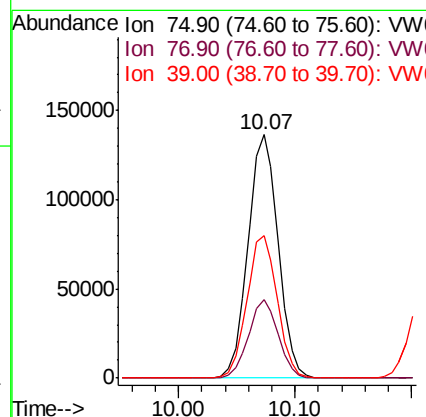
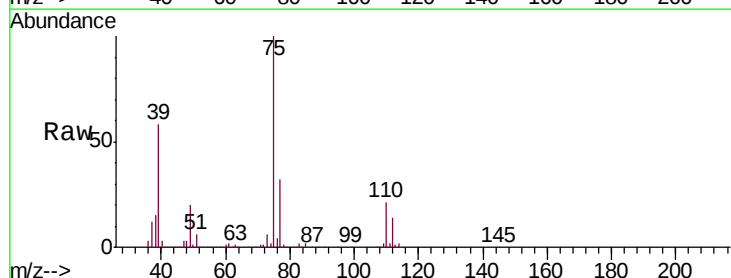
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

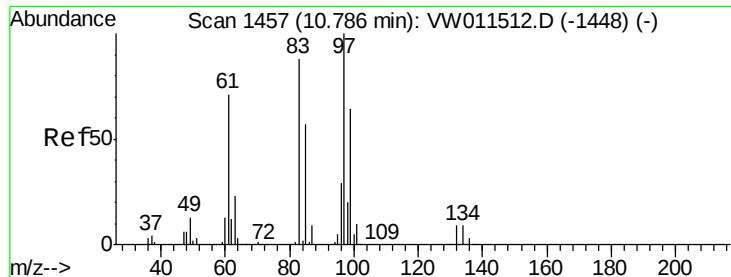
Tgt Ion: 75 Resp: 205885
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 51.426 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion: 75 Resp: 245666
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4
39 58.3 47.0 70.4

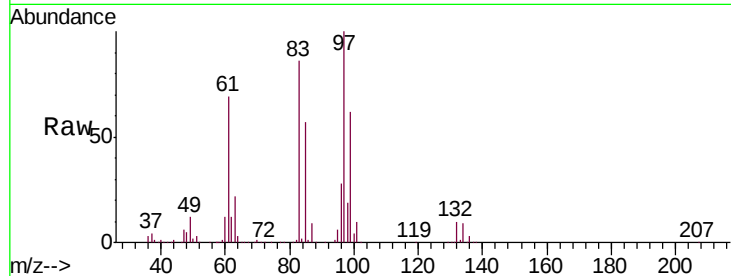




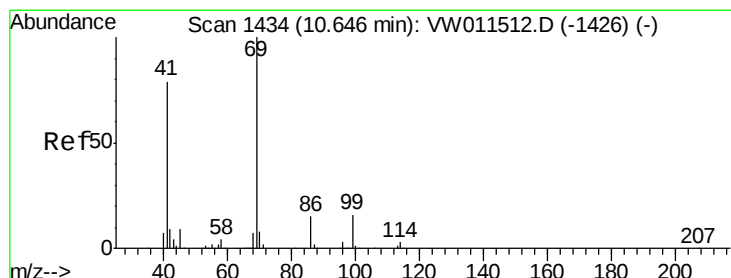
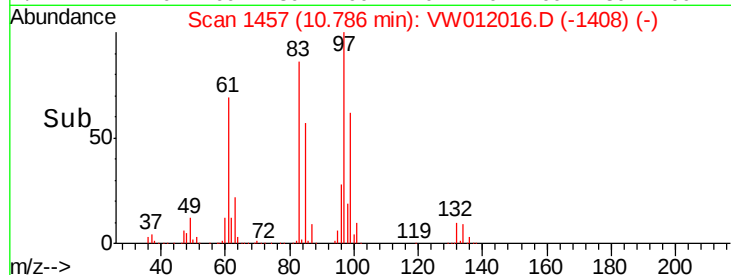
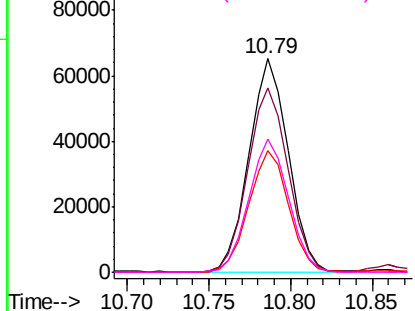
#55
 1,1,2-Trichloroethane
 Concen: 52.448 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	109112
Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.5	105.7
85	56.9	45.8	68.6
99	62.2	51.0	76.4

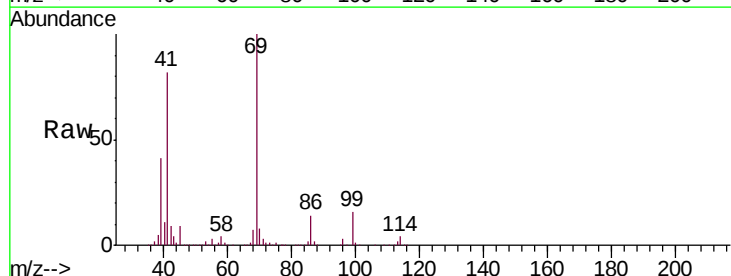


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

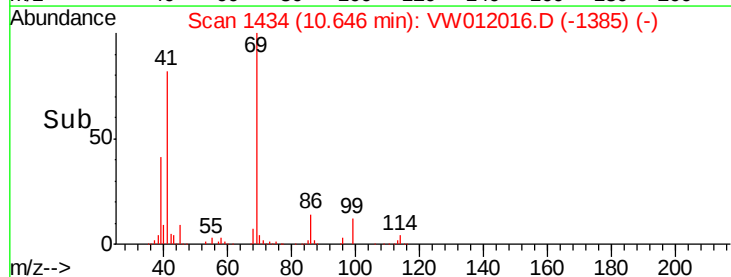
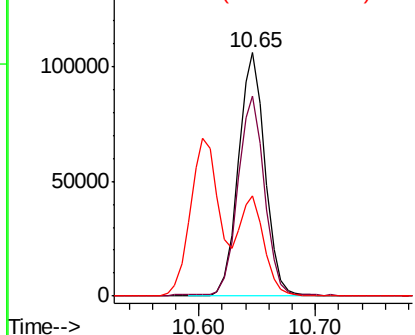


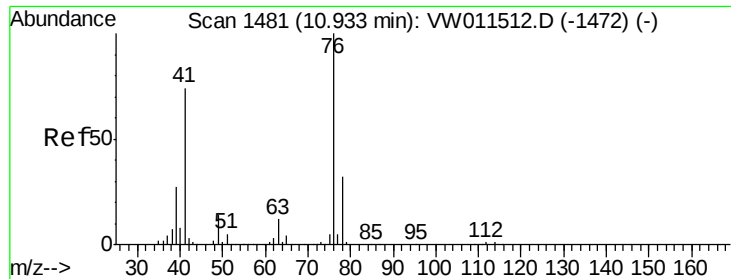
#56
 Ethyl methacrylate
 Concen: 55.368 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion:	69	Resp:	168556
Ion	Ratio	Lower	Upper
69	100		
41	82.4	66.6	99.8
39	37.8	30.3	45.5



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

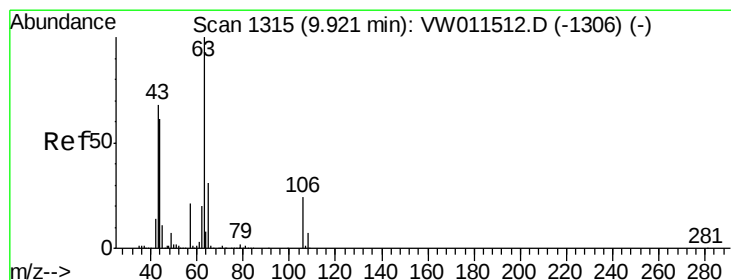
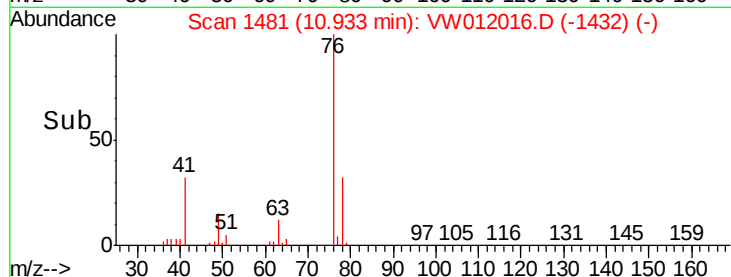
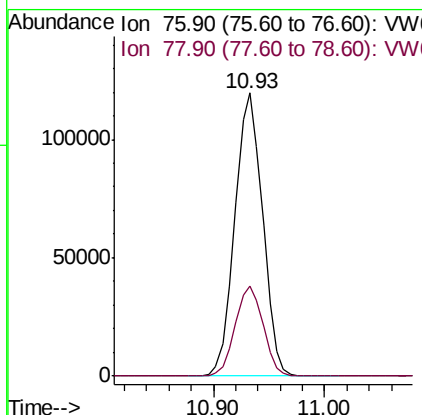
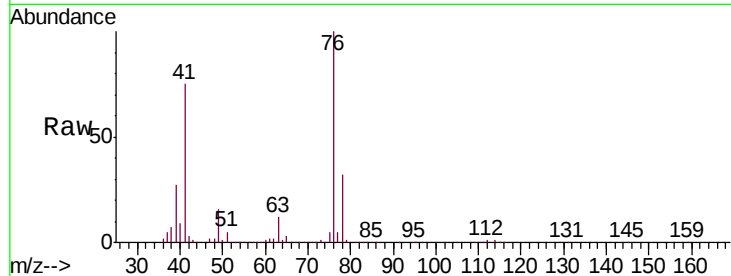




#57
 1,3-Dichloropropane
 Concen: 52.498 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

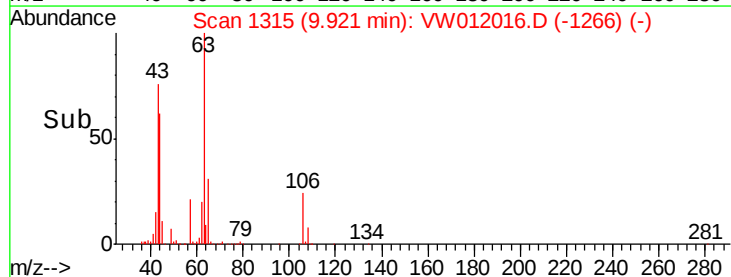
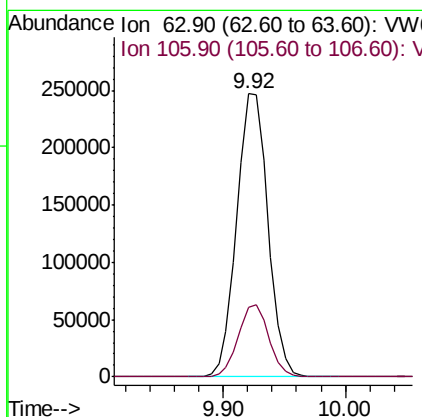
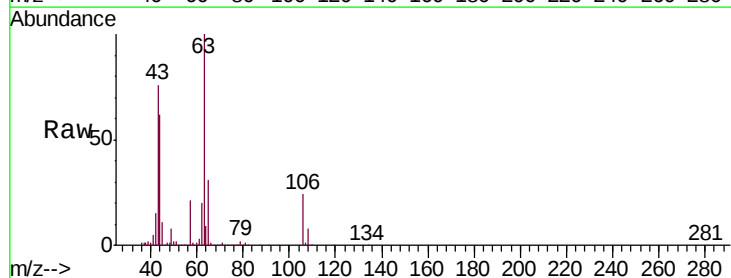
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 206628
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 315.937 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 63 Resp: 436697
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.7 29.5

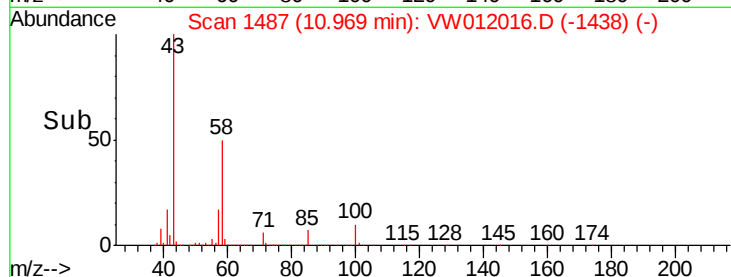
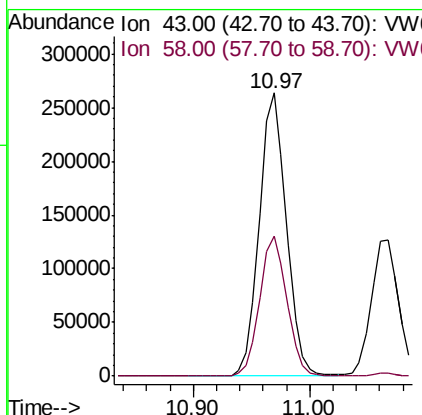
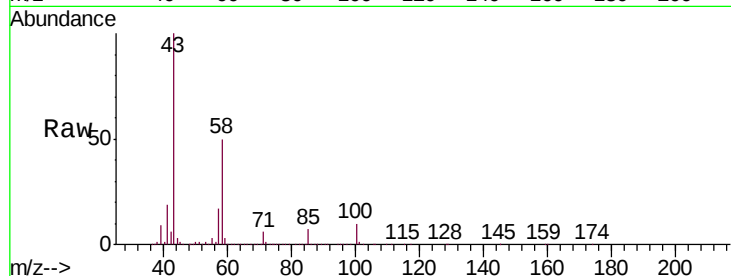




#59
2-Hexanone
Concen: 254.866 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

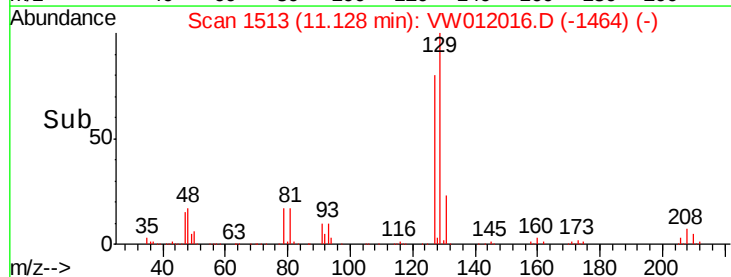
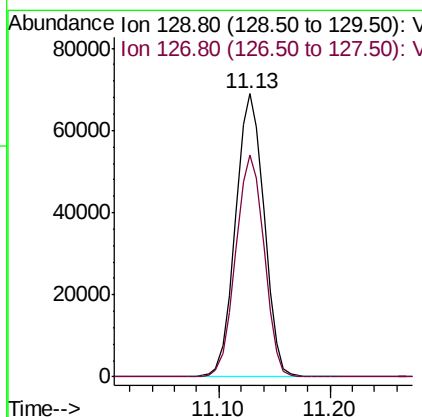
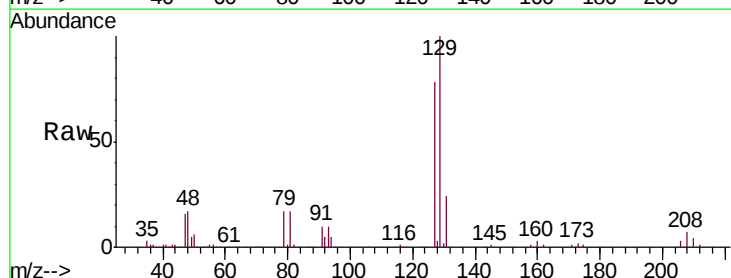
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 424513
Ion Ratio Lower Upper
43 100
58 49.9 24.3 72.9



#60
Dibromochloromethane
Concen: 52.709 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion: 129 Resp: 121719
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7

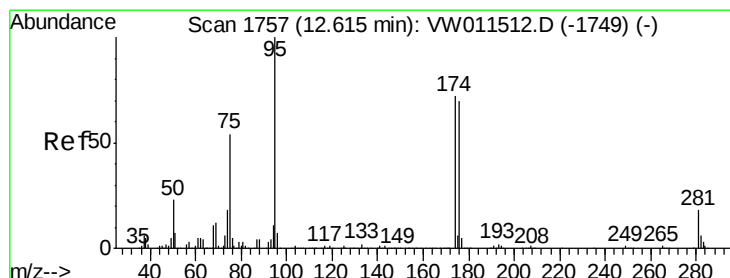
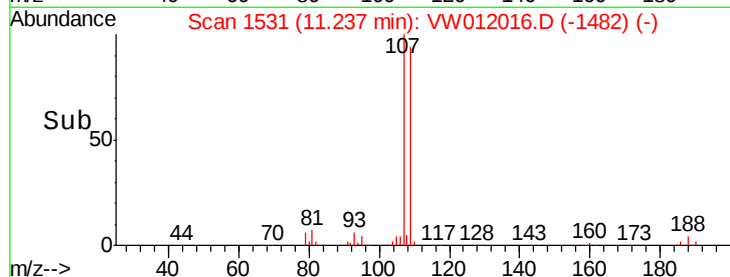
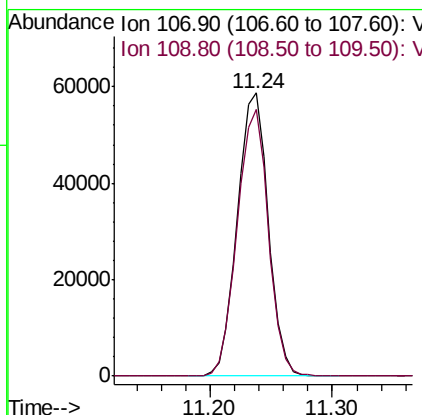
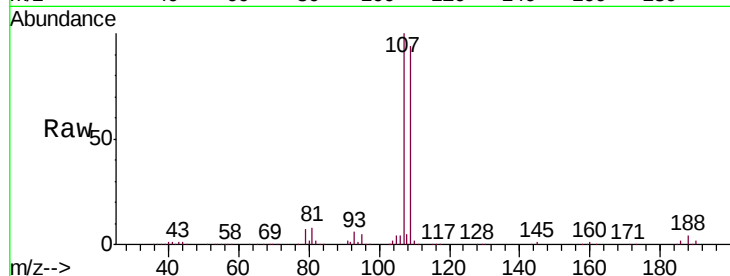




#61
 1,2-Dibromoethane
 Concen: 52.345 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

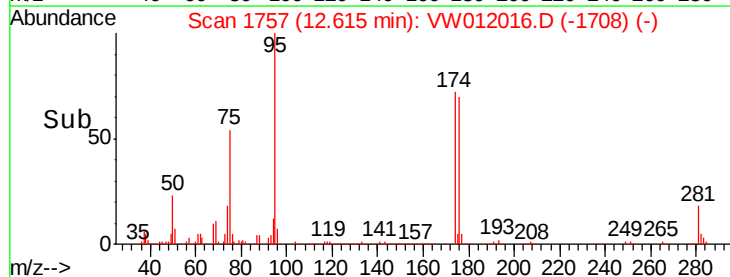
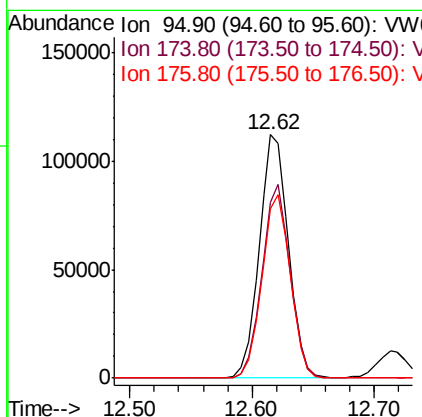
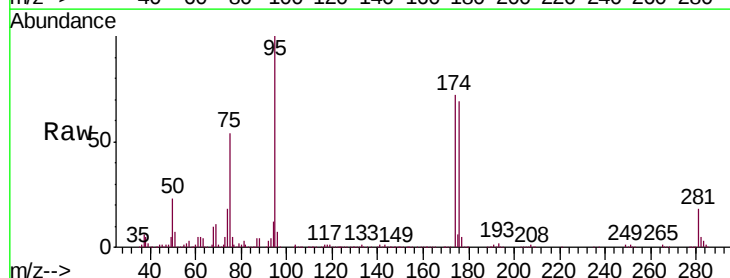
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

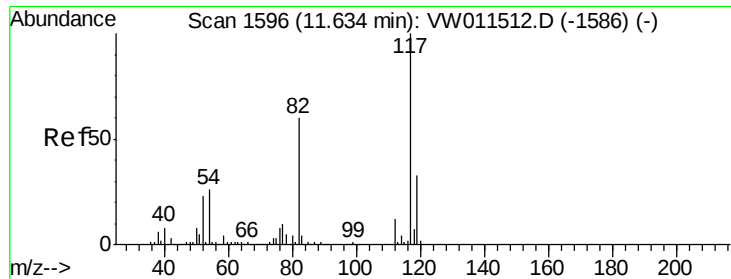
Tgt Ion: 107 Resp: 103054
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 54.748 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 95 Resp: 184818
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 150.2
 176 73.7 0.0 144.4

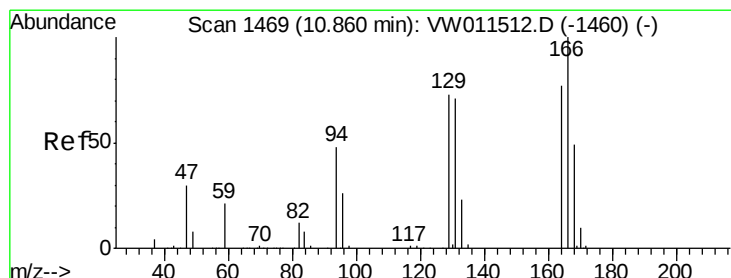
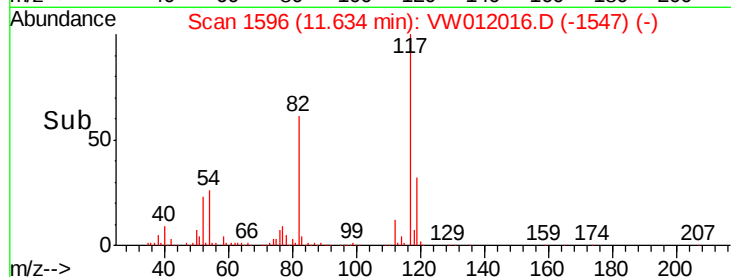
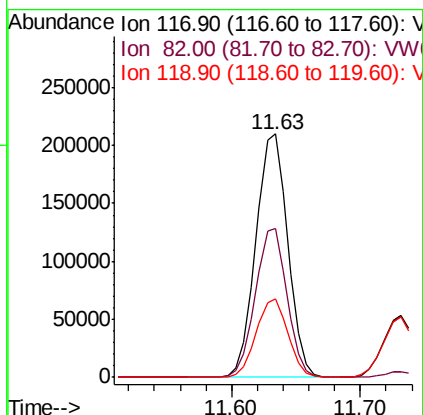
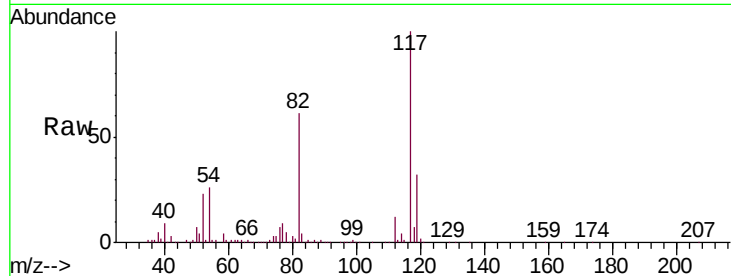




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

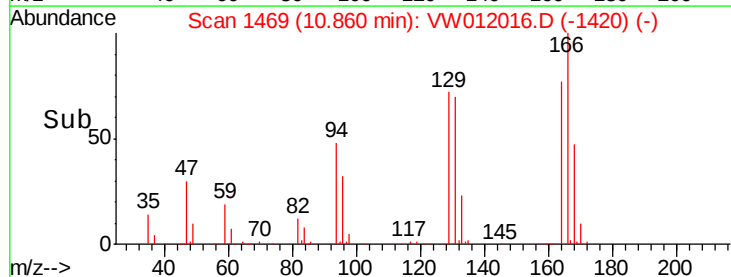
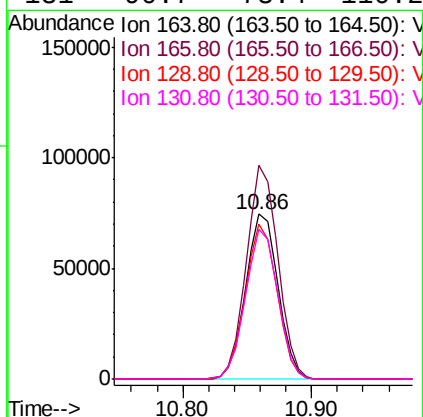
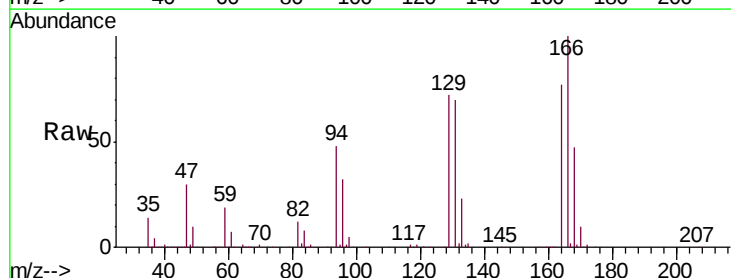
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

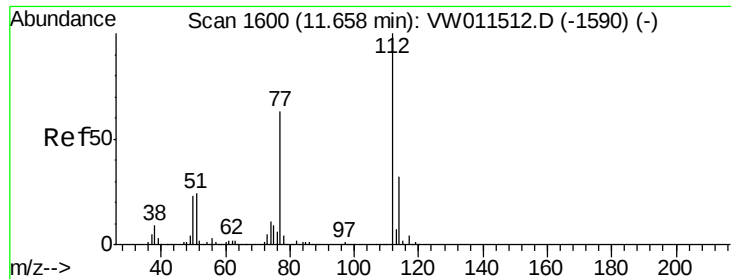
Tgt Ion:117 Resp: 358805
Ion Ratio Lower Upper
117 100
82 61.0 47.9 71.9
119 32.0 26.2 39.2



#64
Tetrachloroethene
Concen: 55.227 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion:164 Resp: 129022
Ion Ratio Lower Upper
164 100
166 129.5 103.5 155.3
129 93.7 75.2 112.8
131 90.7 73.4 110.2

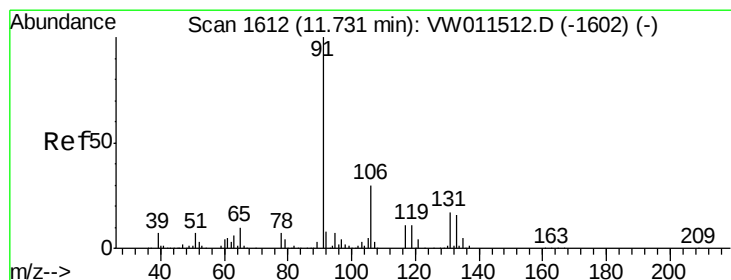
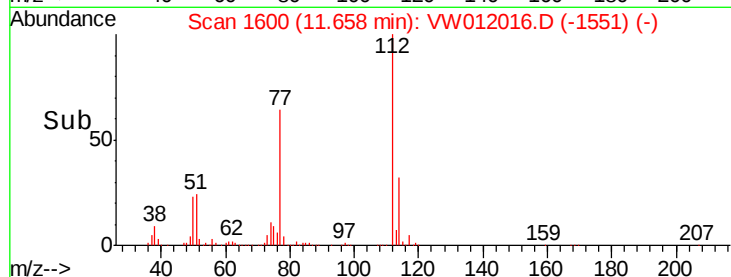
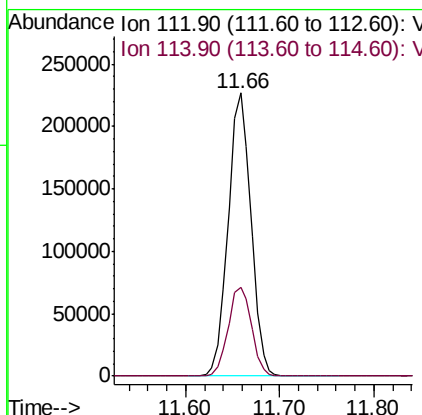
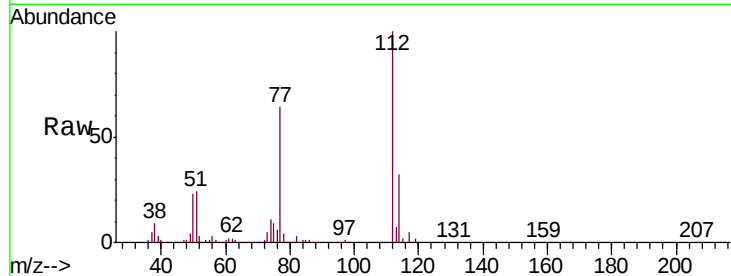




#65
Chlorobenzene
Concen: 52.819 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

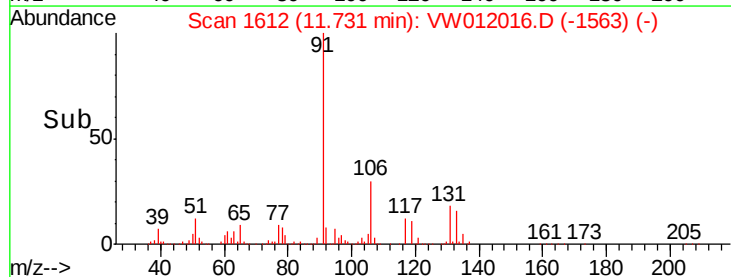
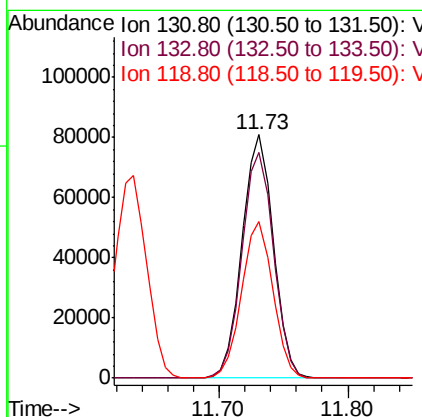
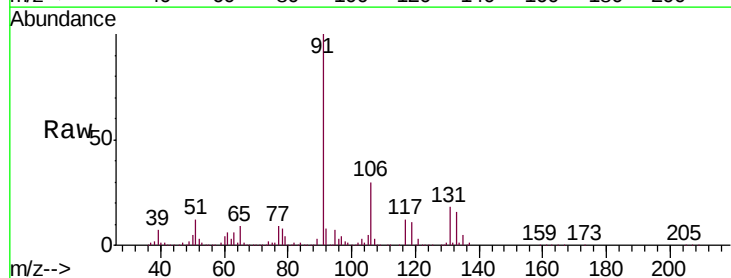
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 381017
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.905 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion:131 Resp: 135447
Ion Ratio Lower Upper
131 100
133 94.1 47.4 142.2
119 64.6 32.3 96.9

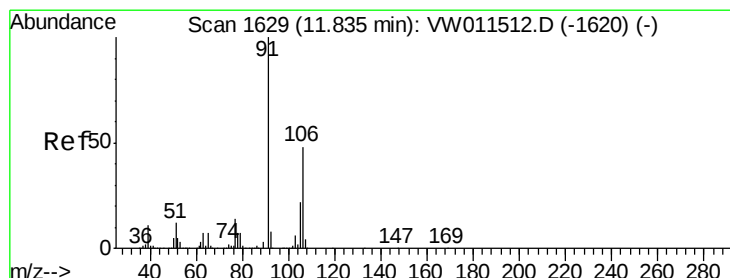
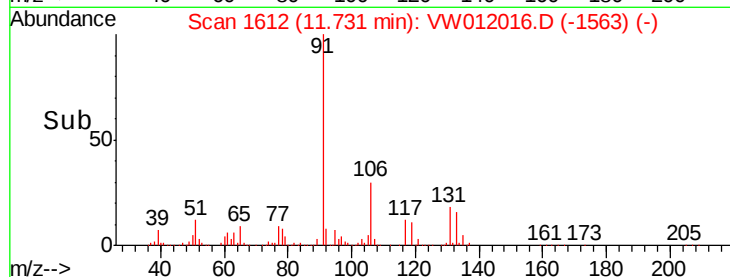
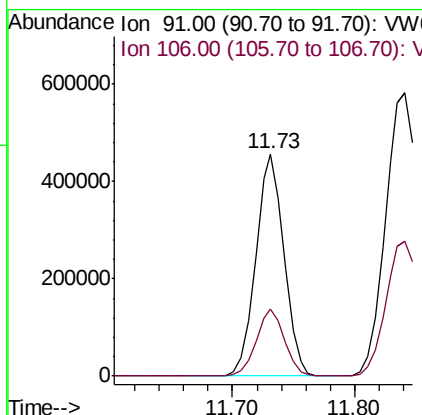
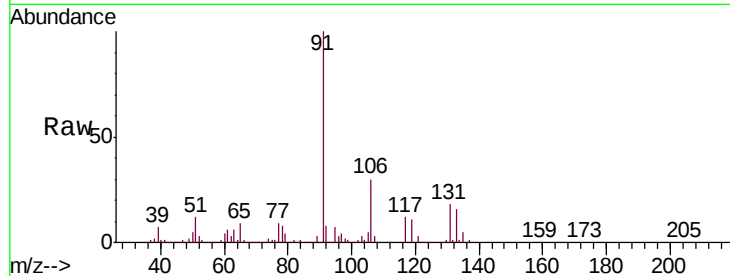




#67
Ethyl Benzene
Concen: 53.171 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

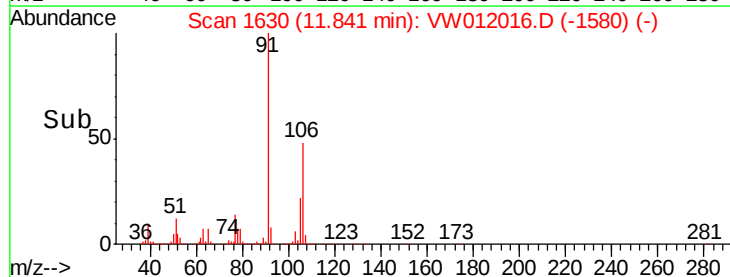
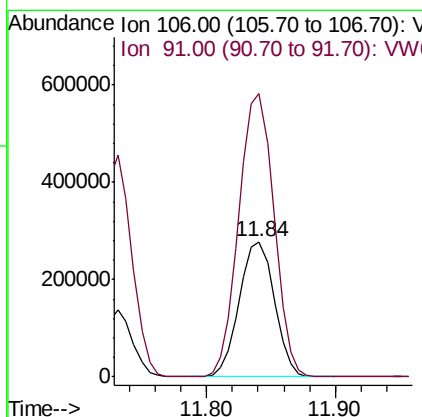
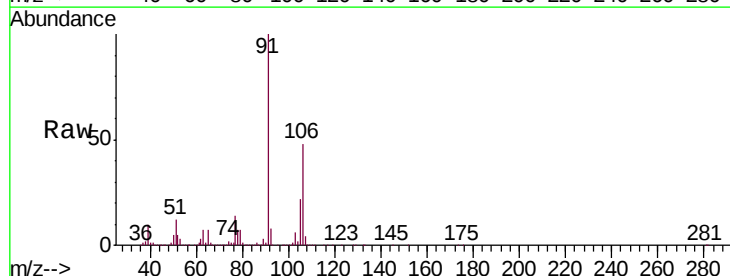
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

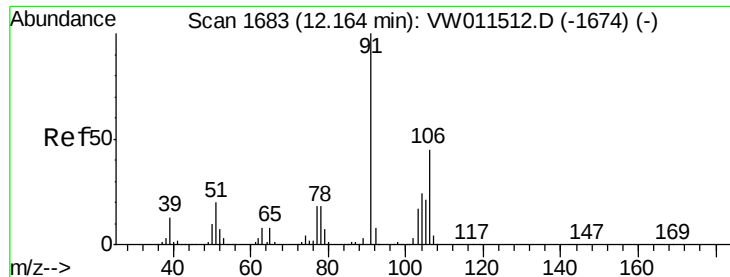
Tgt Ion: 91 Resp: 730500
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.6



#68
m/p-Xylenes
Concen: 105.289 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion: 106 Resp: 526062
Ion Ratio Lower Upper
106 100
91 210.0 168.2 252.2

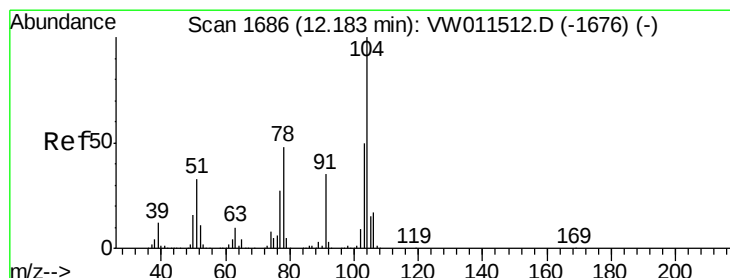
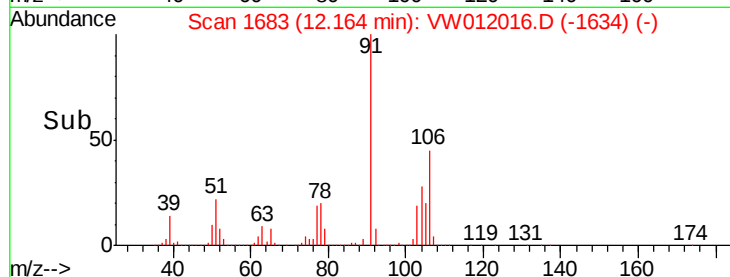
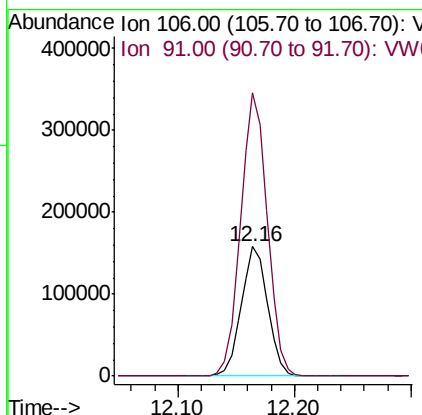
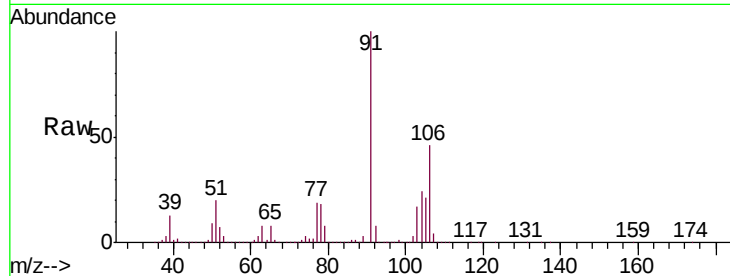




#69
o-Xylene
Concen: 53.931 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

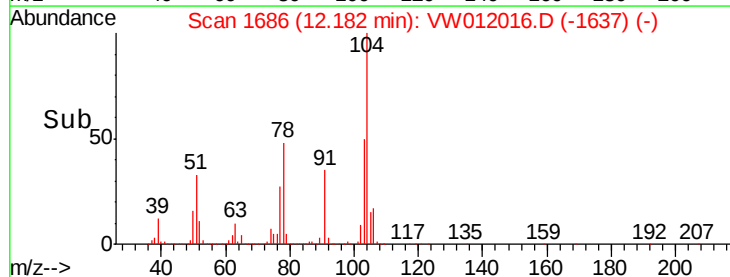
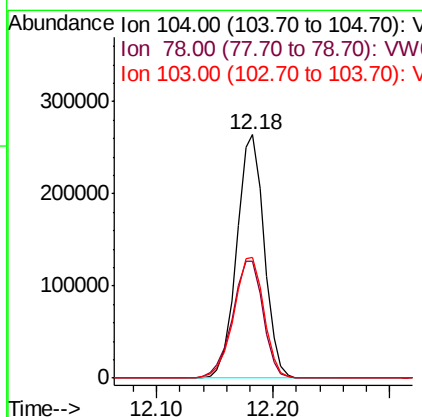
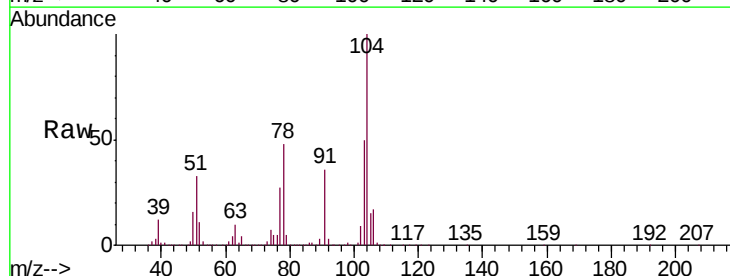
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 250399
Ion Ratio Lower Upper
106 100
91 220.1 110.5 331.5



#70
Styrene
Concen: 54.122 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion:104 Resp: 434468
Ion Ratio Lower Upper
104 100
78 53.5 43.4 65.0
103 54.4 43.9 65.9

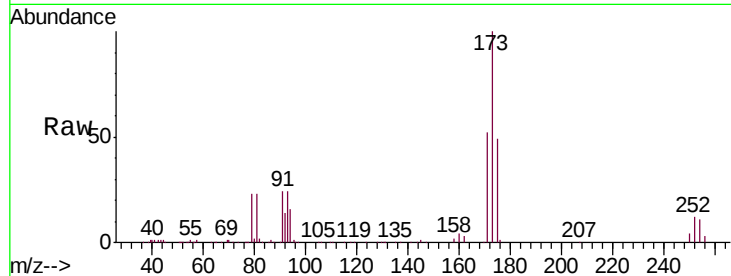




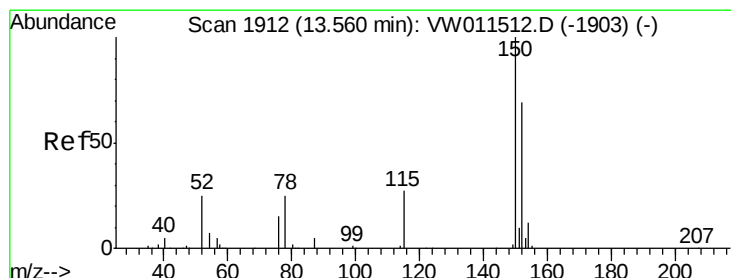
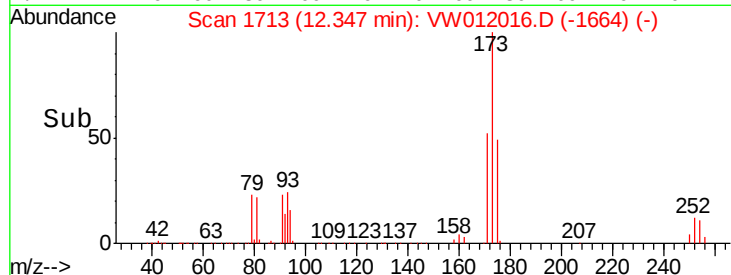
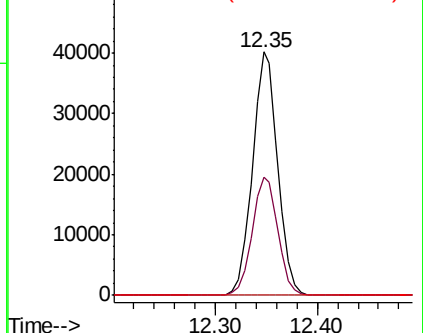
#71
Bromoform
Concen: 54.062 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 69261
Ion Ratio Lower Upper
173 100
175 49.6 23.6 71.0
254 0.1 0.1 0.1

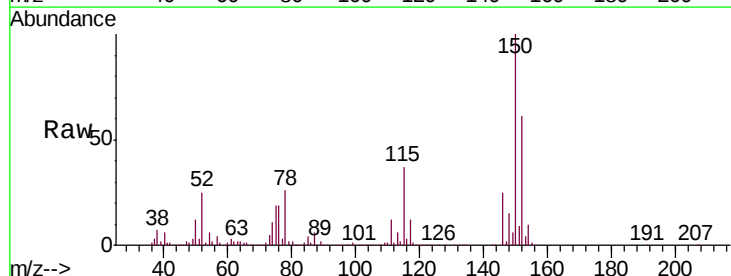


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

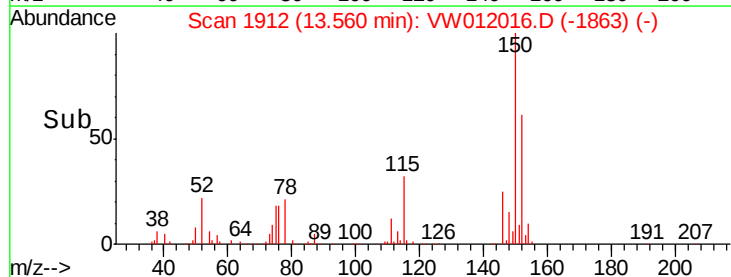
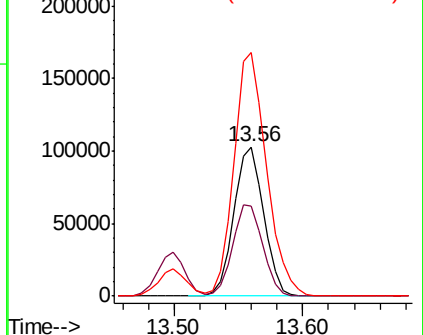


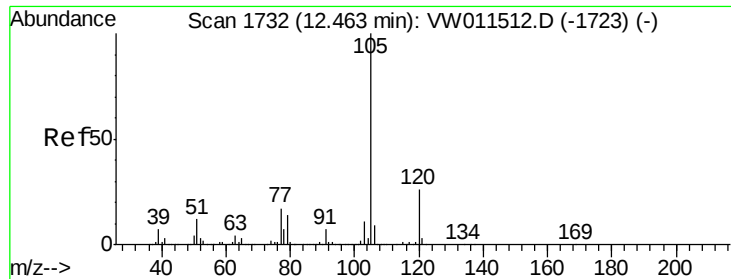
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion:152 Resp: 165145
Ion Ratio Lower Upper
152 100
115 61.9 30.5 91.5
150 178.7 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: 56.008 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

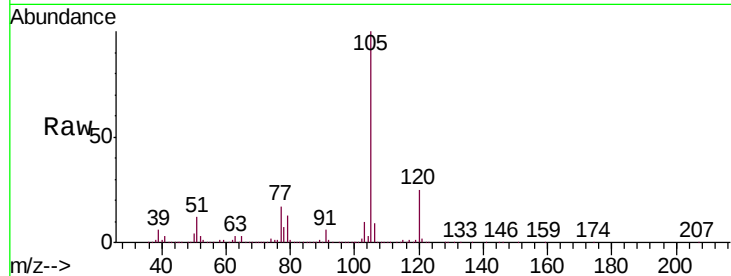
VSTDCCC050EC

Tgt Ion: 105 Resp: 690027

Ion Ratio Lower Upper

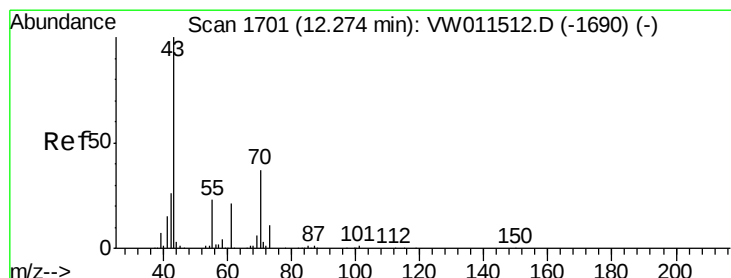
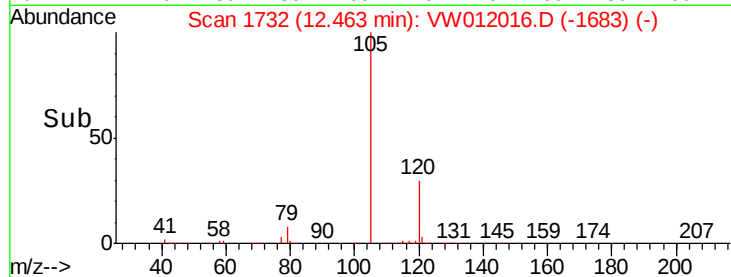
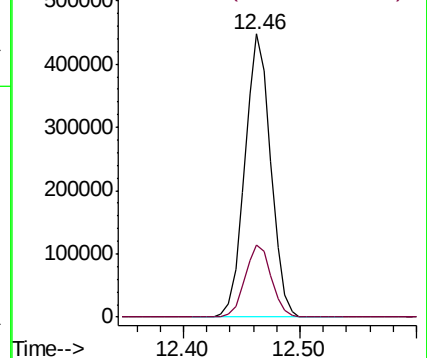
105 100

120 25.8 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: 58.306 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Tgt Ion: 43 Resp: 224896

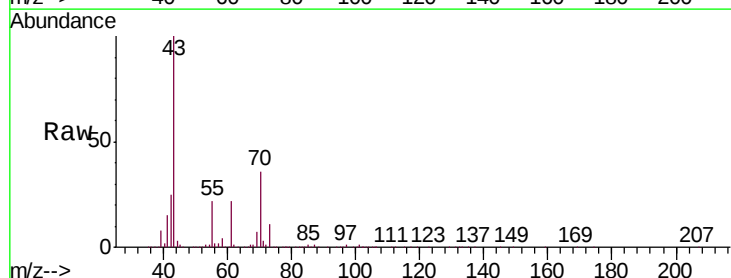
Ion Ratio Lower Upper

43 100

70 36.5 28.6 43.0

55 22.6 17.8 26.8

61 21.9 17.0 25.6

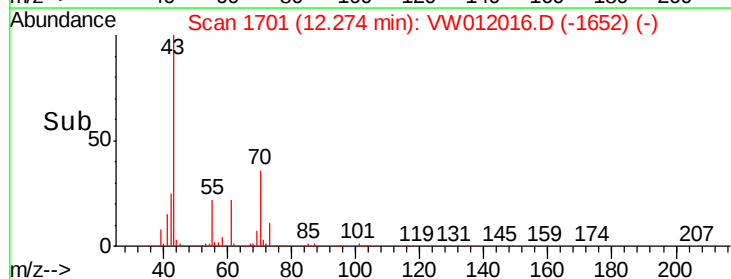
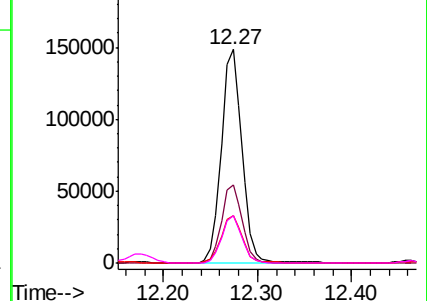


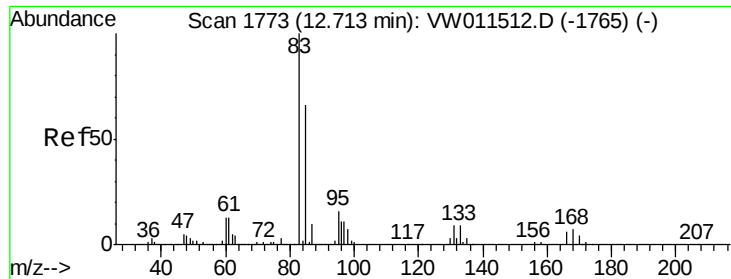
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 56.745 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

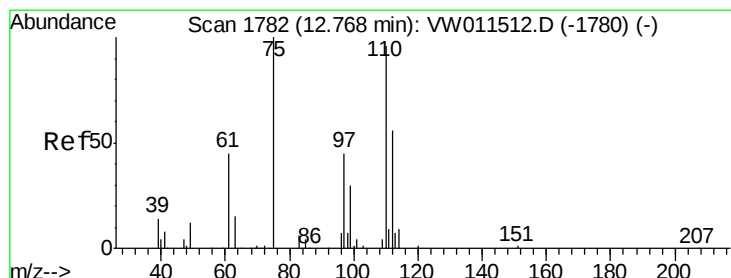
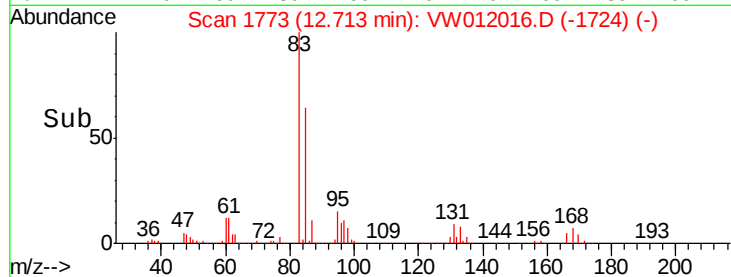
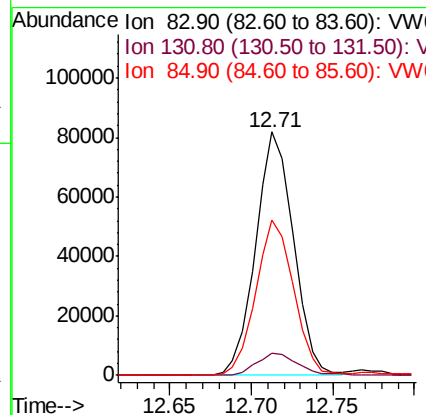
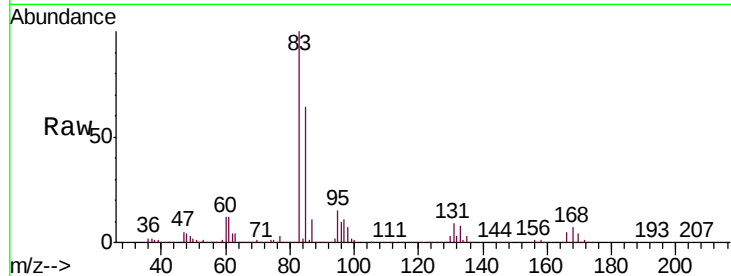
Tgt Ion: 83 Resp: 131502

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.6

85 64.2 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 98.286 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012016.D

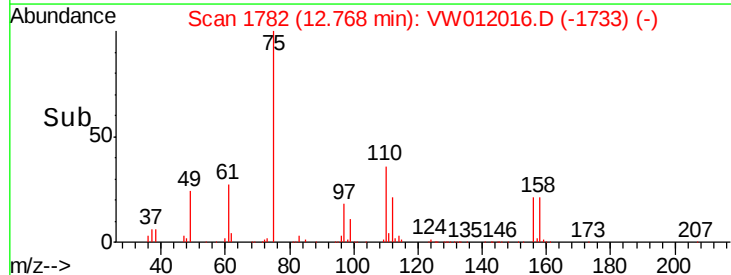
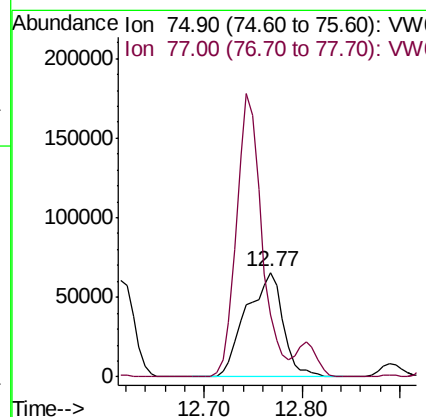
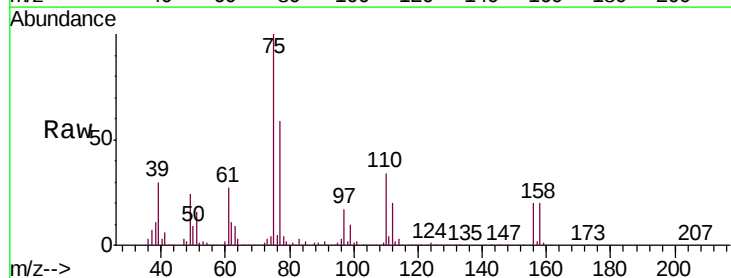
Acq: 20 Aug 2019 02:56

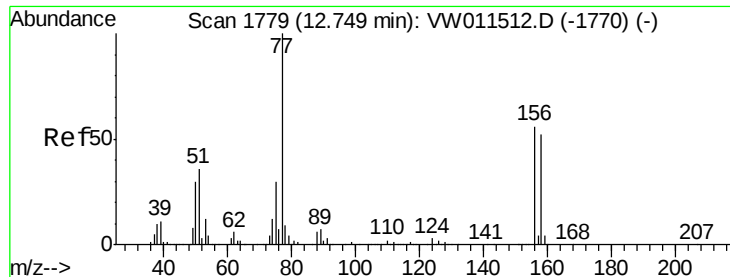
Tgt Ion: 75 Resp: 171748

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 56.034 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

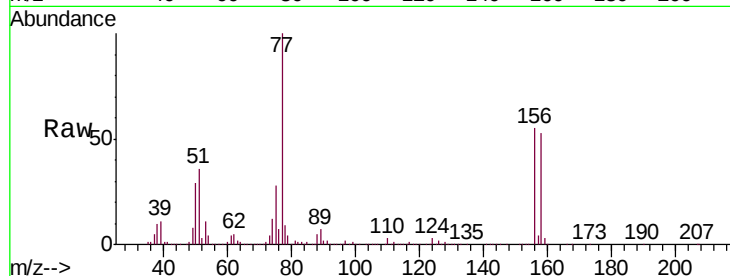
Tgt Ion:156 Resp: 152588

Ion Ratio Lower Upper

156 100

77 210.2 106.5 319.4

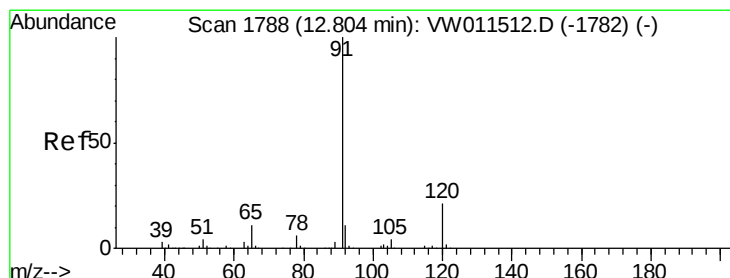
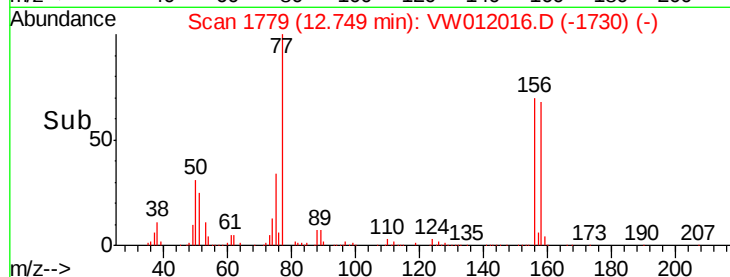
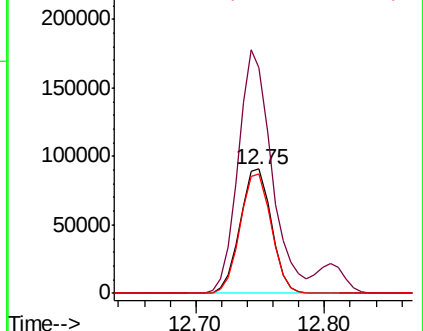
158 95.7 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.351 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012016.D

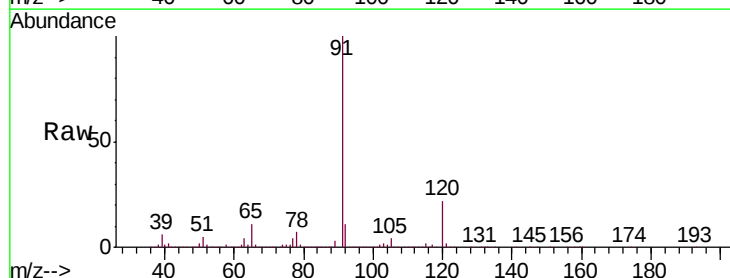
Acq: 20 Aug 2019 02:56

Tgt Ion: 91 Resp: 829926

Ion Ratio Lower Upper

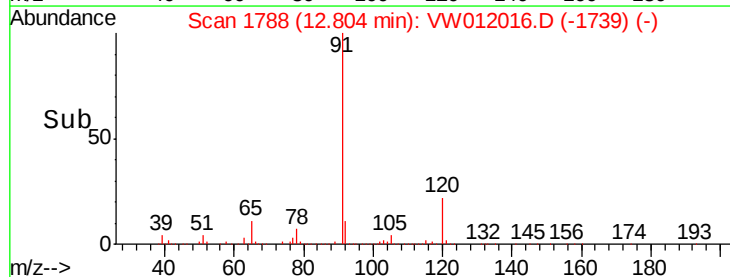
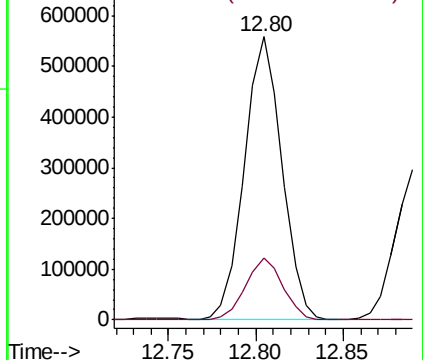
91 100

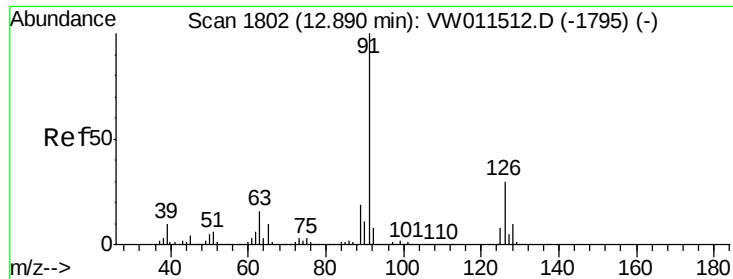
120 21.9 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

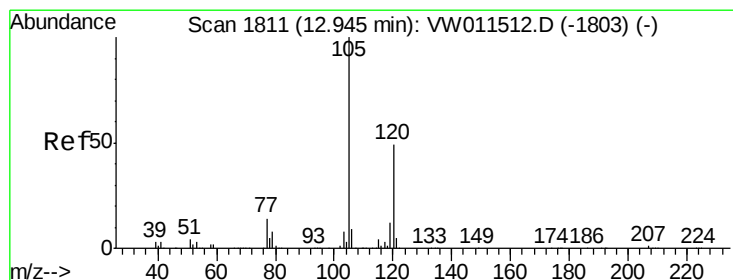
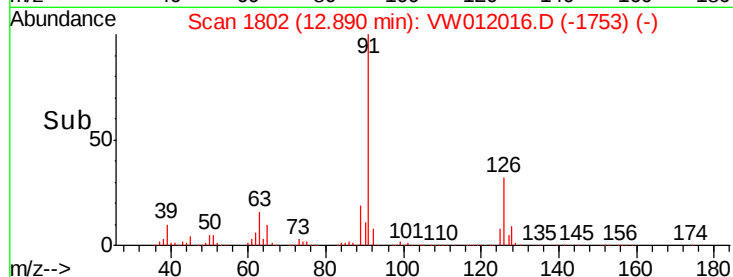
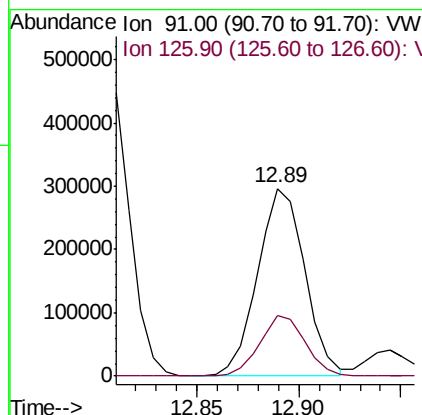
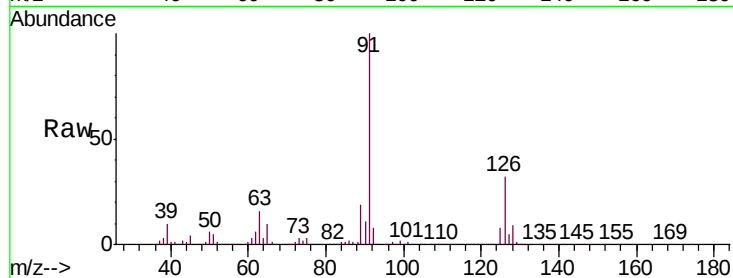




#79
 2-Chlorotoluene
 Concen: 55.146 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

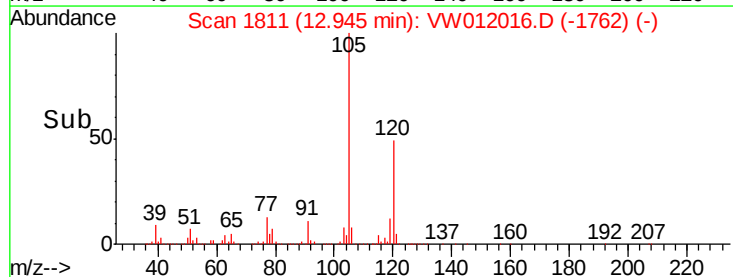
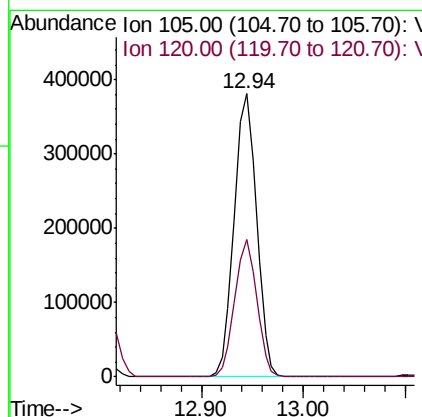
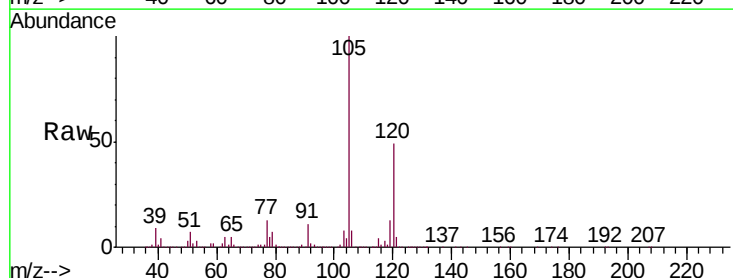
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 476349
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 55.919 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 105 Resp: 577498
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 54.329 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

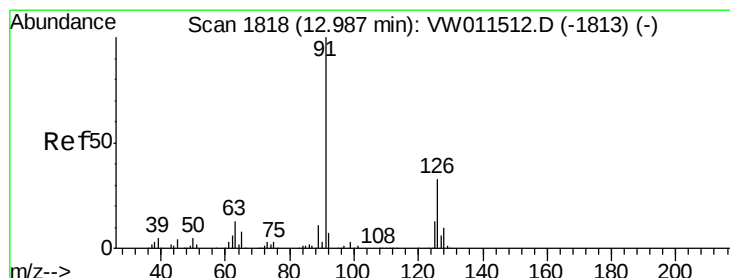
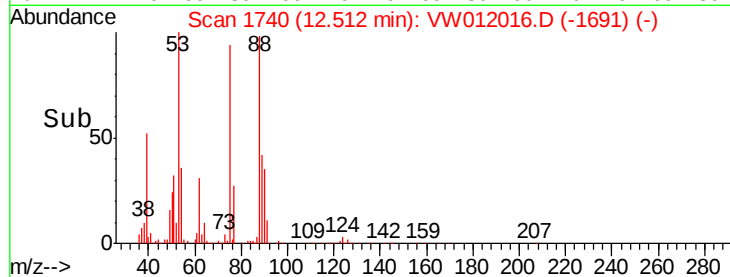
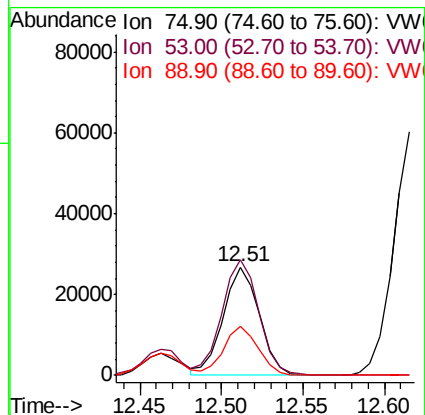
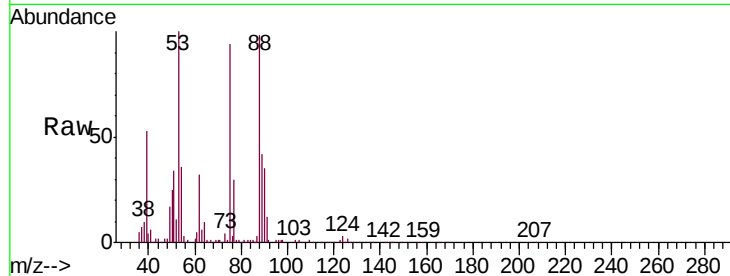
Tgt Ion: 75 Resp: 41193

Ion Ratio Lower Upper

75 100

53 108.2 88.0 132.0

89 43.3 35.3 52.9



#82

4-Chlorotoluene

Concen: 53.414 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012016.D

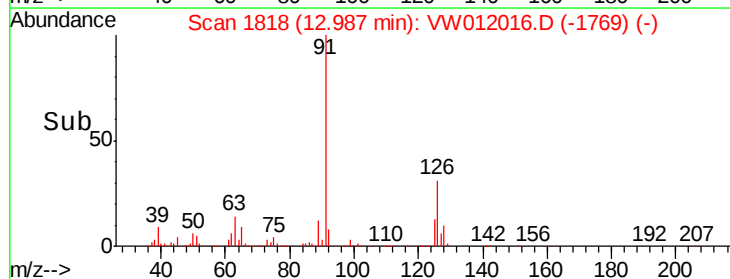
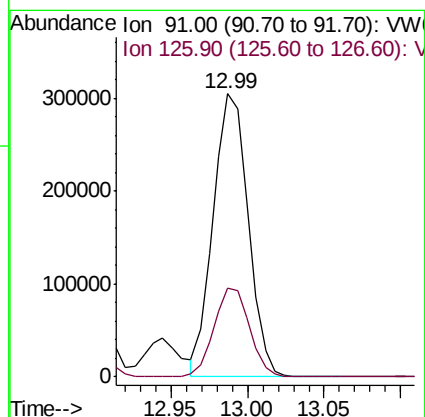
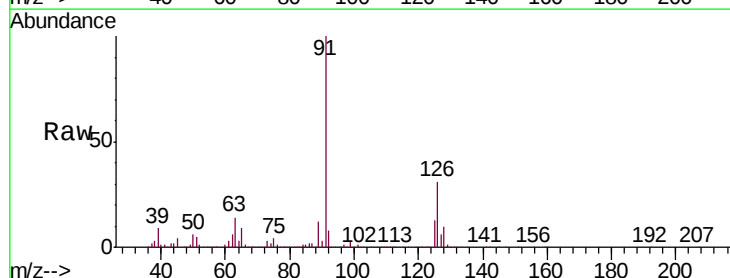
Acq: 20 Aug 2019 02:56

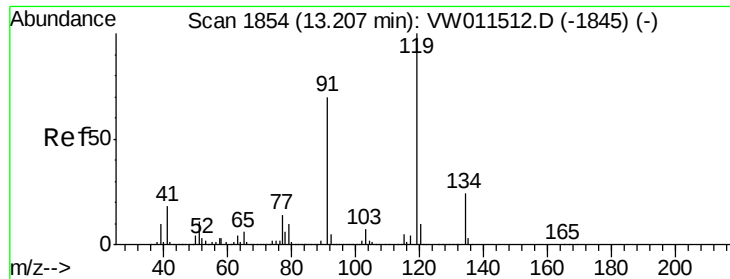
Tgt Ion: 91 Resp: 484090

Ion Ratio Lower Upper

91 100

126 32.0 15.6 46.8

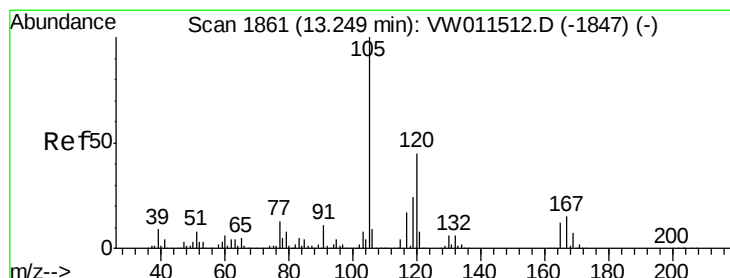
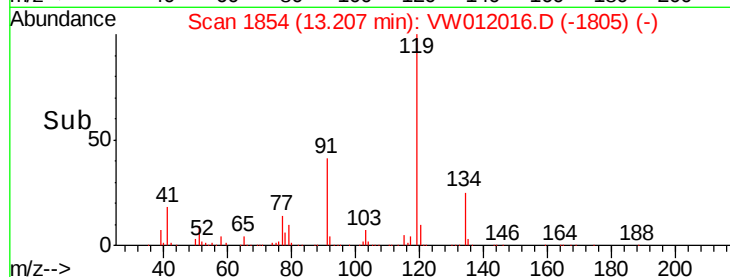
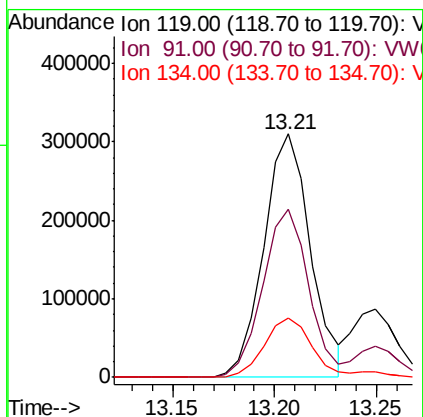
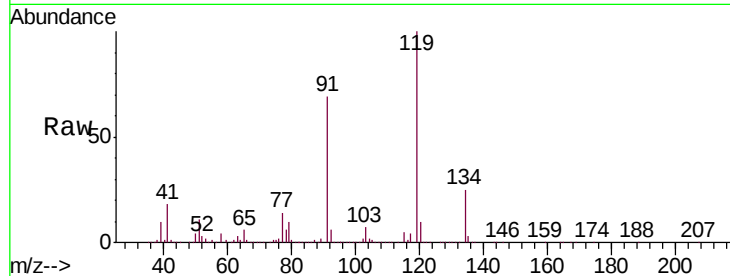




#83
tert-Butylbenzene
Concen: 57.319 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

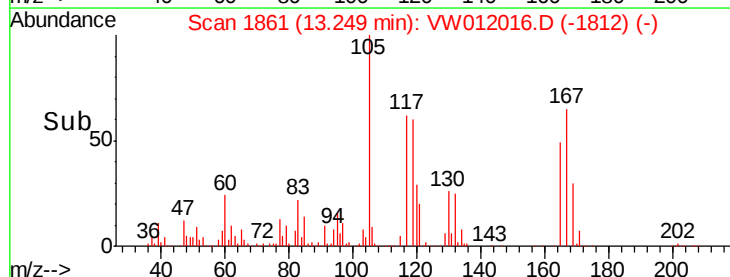
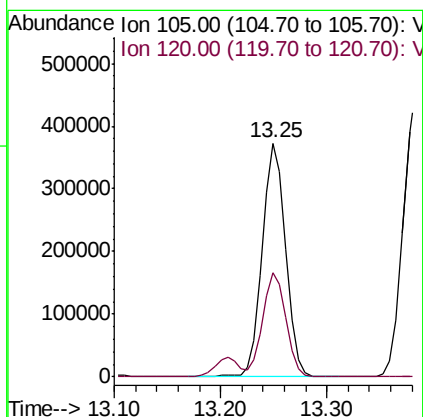
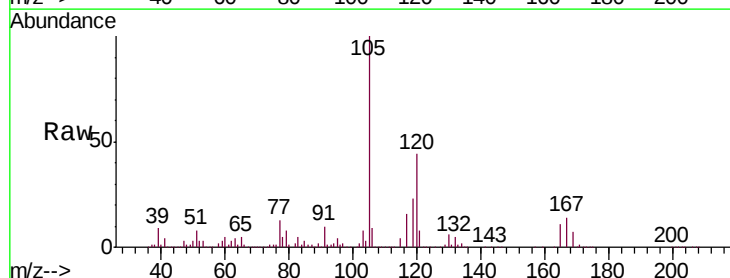
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

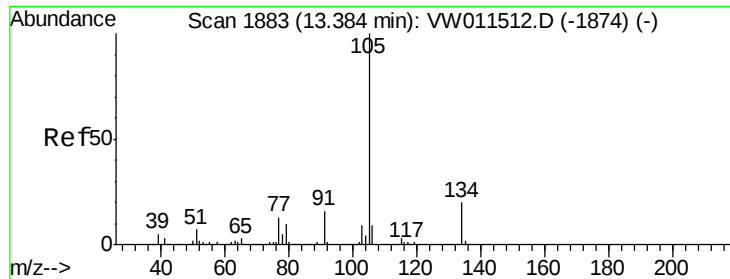
Tgt Ion:119 Resp: 495019
Ion Ratio Lower Upper
119 100
91 67.9 34.5 103.6
134 26.4 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 55.323 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion:105 Resp: 575542
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.5

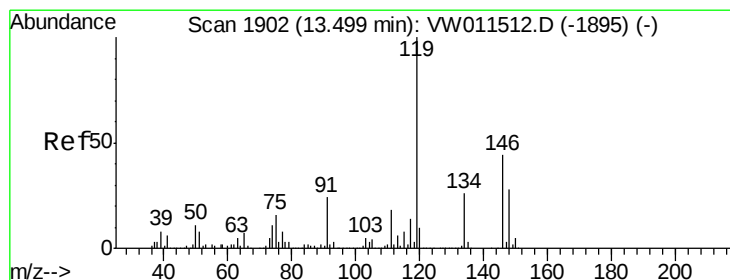
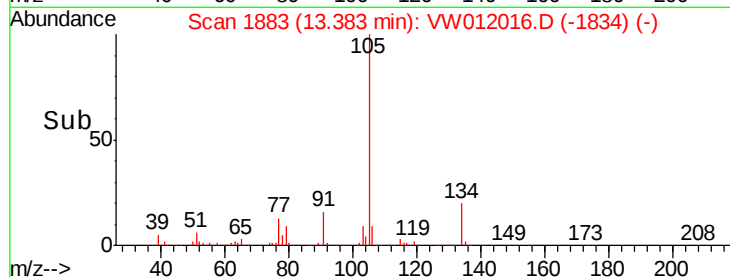
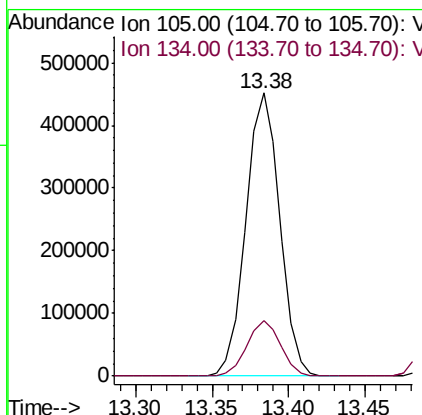
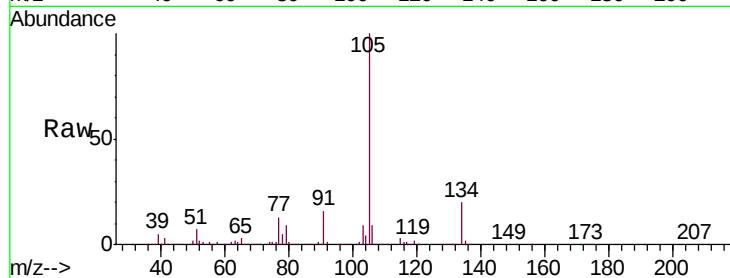




#85
 sec-Butylbenzene
 Concen: 56.267 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

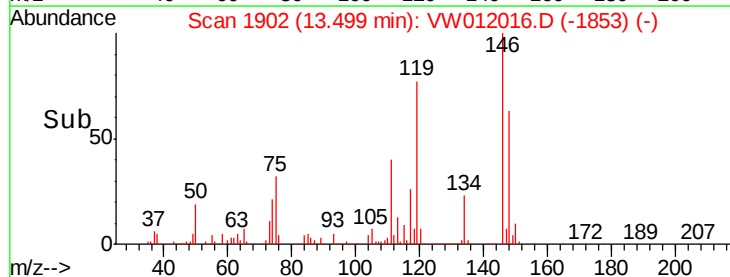
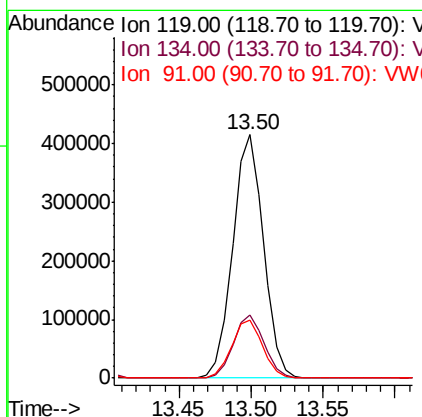
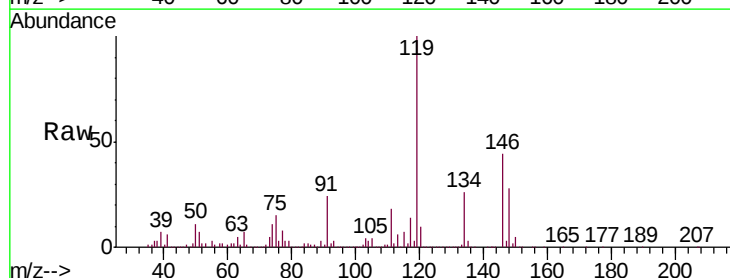
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

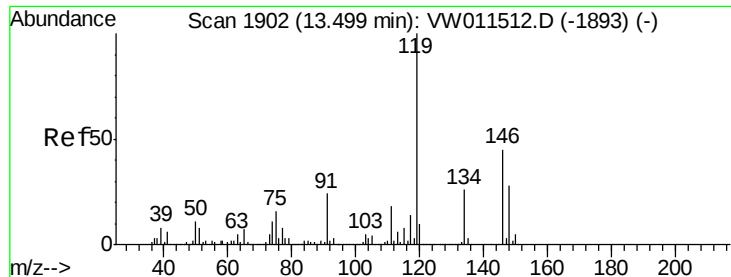
Tgt Ion:105 Resp: 693371
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 55.103 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion:119 Resp: 616092
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.4
 91 24.1 12.1 36.3

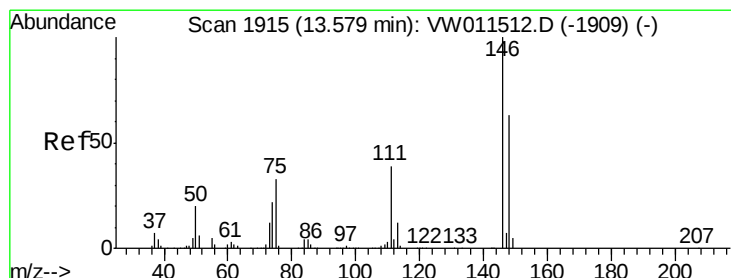
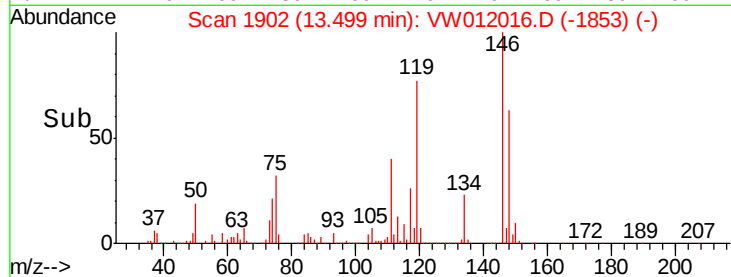
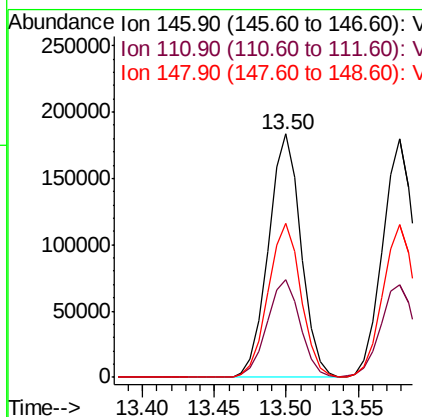
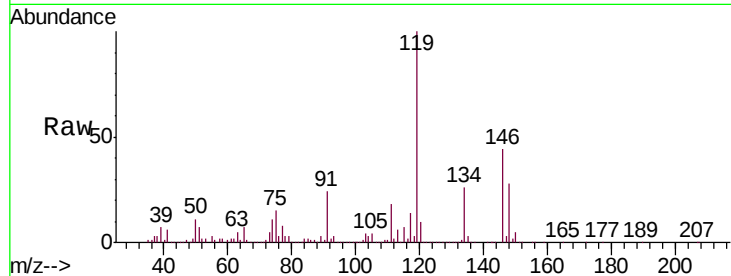




#87
 1,3-Dichlorobenzene
 Concen: 54.049 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

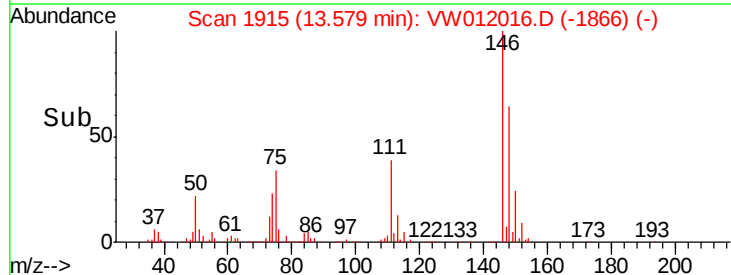
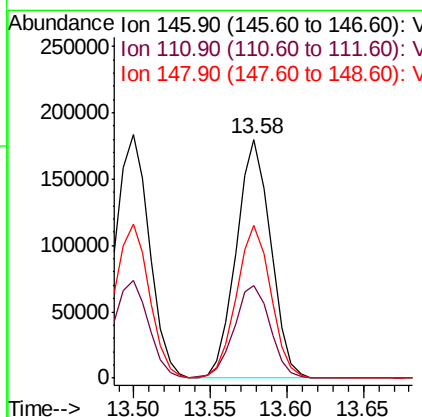
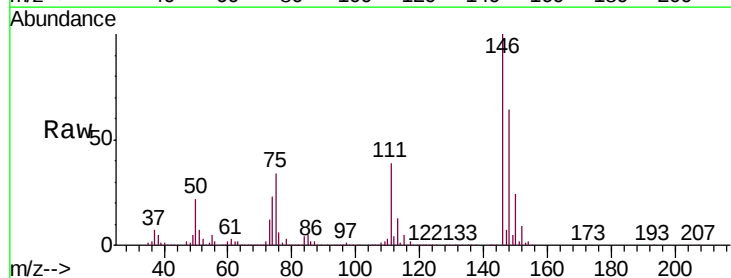
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

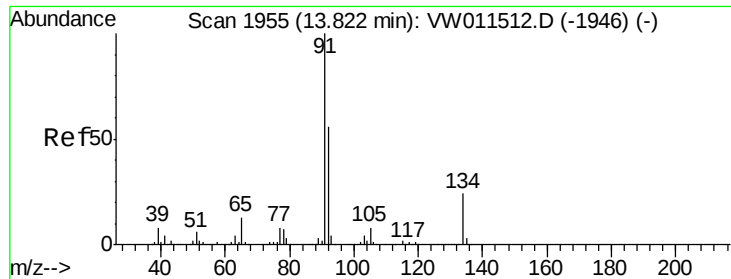
Tgt Ion:146 Resp: 288596
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.5 61.6
 148 63.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 53.114 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion:146 Resp: 282118
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.1 60.2
 148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 53.677 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

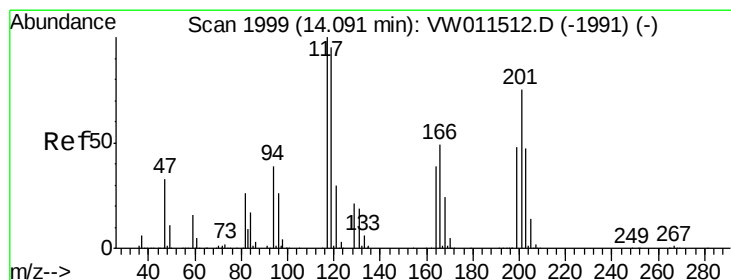
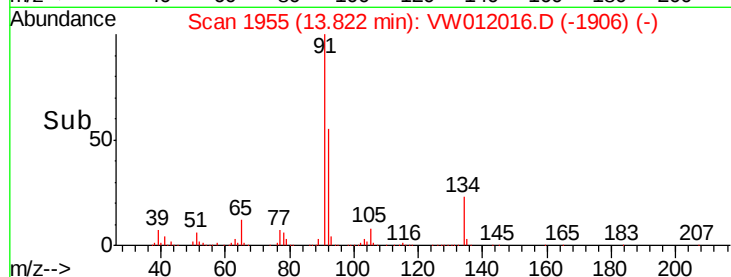
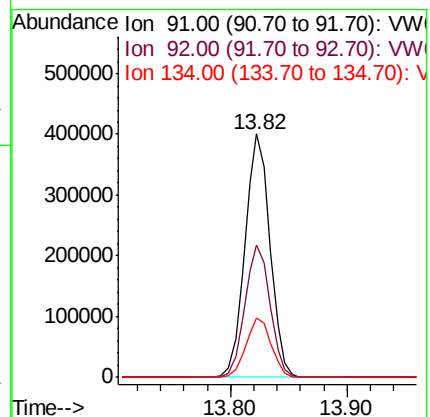
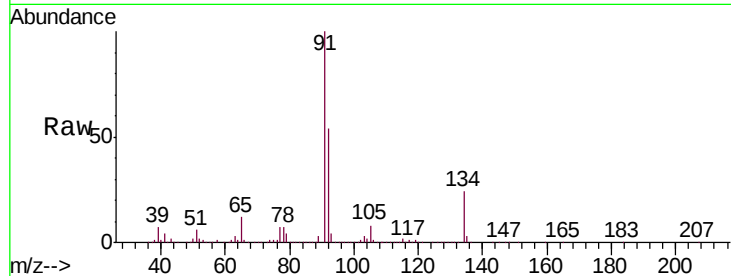
Tgt Ion: 91 Resp: 598913

Ion Ratio Lower Upper

91 100

92 54.7 27.5 82.4

134 24.6 12.2 36.6



#90

Hexachloroethane

Concen: 56.624 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012016.D

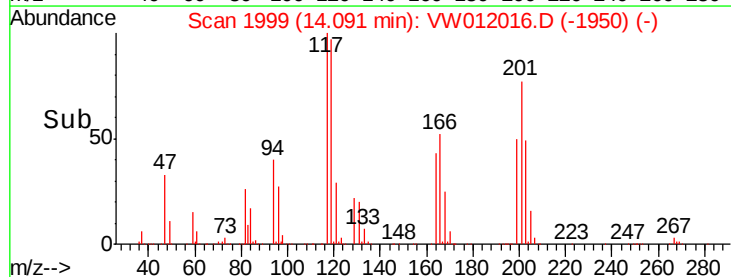
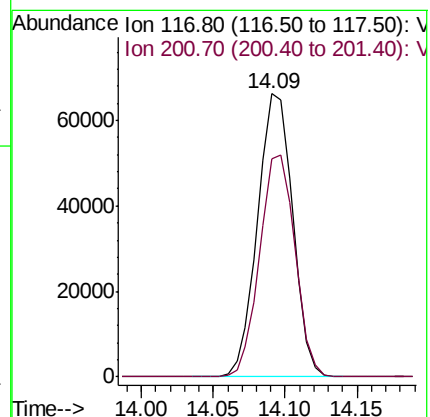
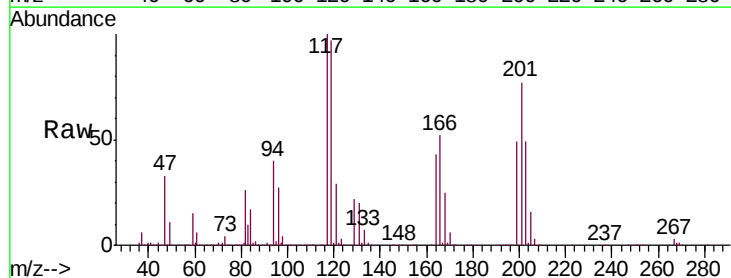
Acq: 20 Aug 2019 02:56

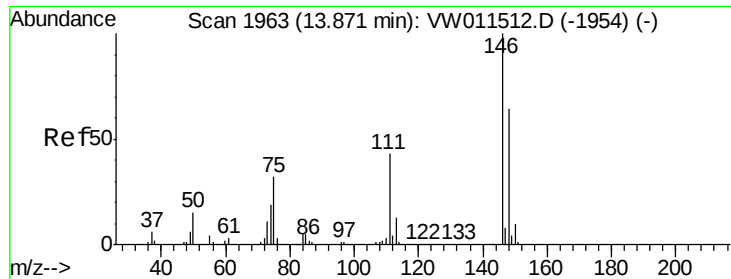
Tgt Ion: 117 Resp: 111950

Ion Ratio Lower Upper

117 100

201 78.7 39.4 118.2

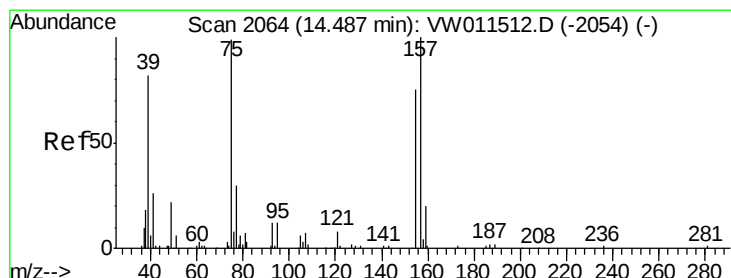
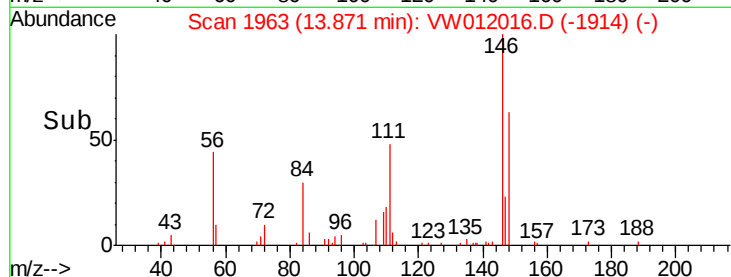
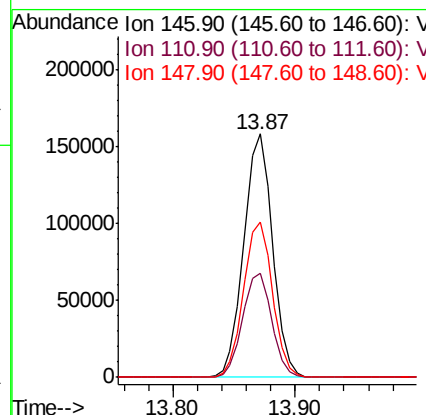
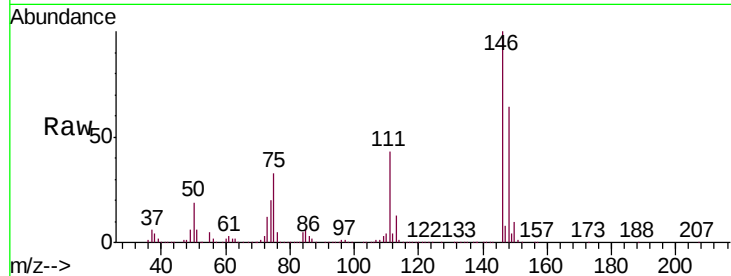




#91
 1,2-Dichlorobenzene
 Concen: 54.699 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

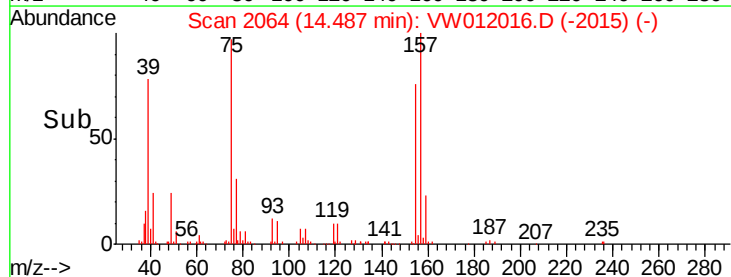
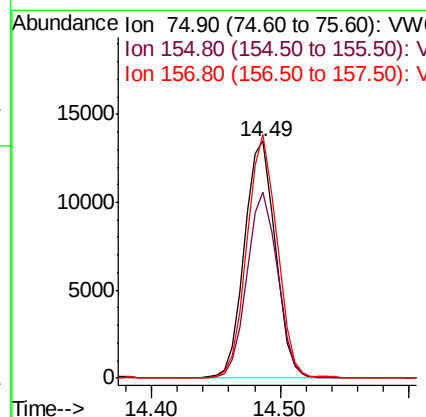
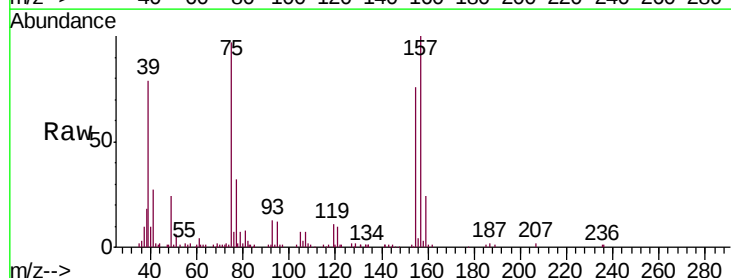
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

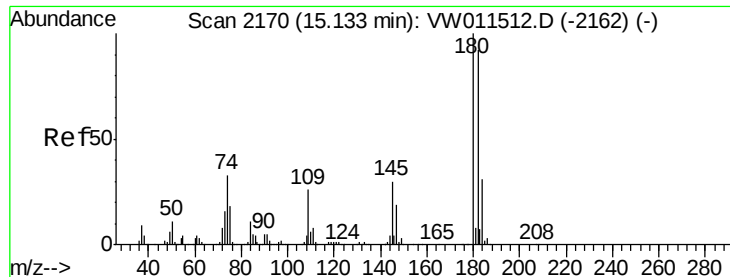
Tgt Ion: 146 Resp: 258317
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.6 65.0
 148 64.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.594 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 75 Resp: 22365
 Ion Ratio Lower Upper
 75 100
 155 77.5 38.2 114.6
 157 100.2 48.9 146.7

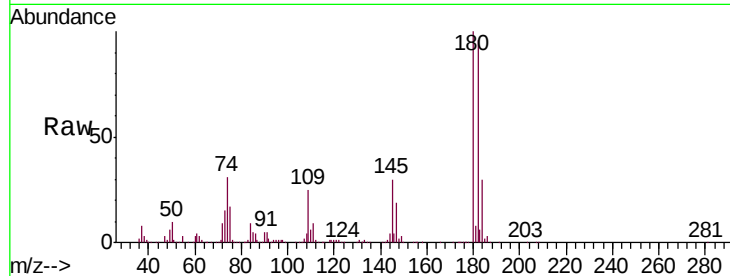




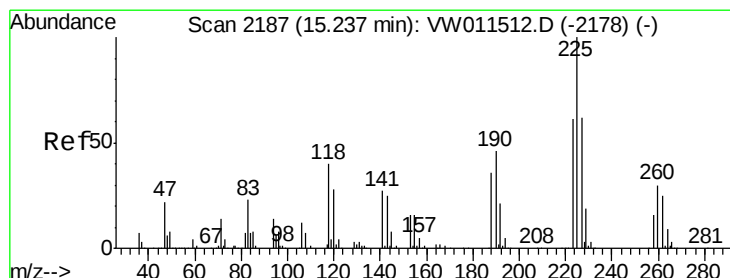
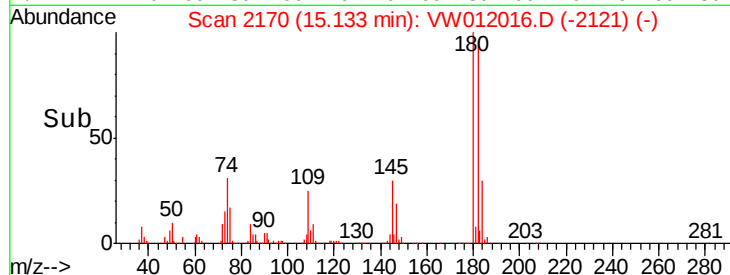
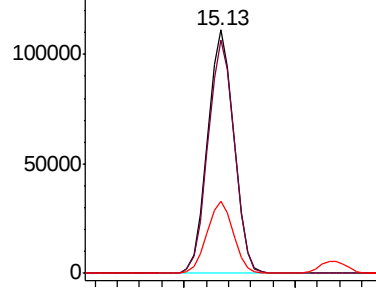
#93
 1,2,4-Trichlorobenzene
 Concen: 54.618 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 181785
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.4 142.2
 145 29.7 15.4 46.1

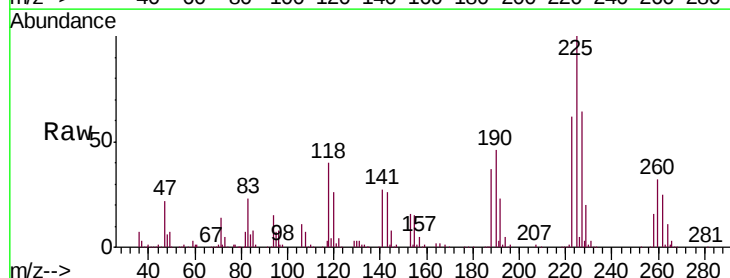


Abundance Ion 179.80 (179.50 to 180.50): V
 150000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

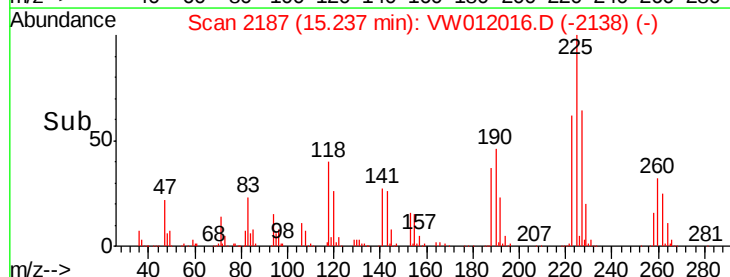
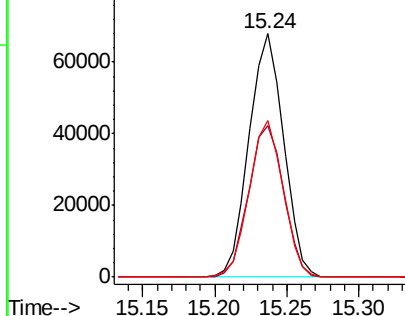


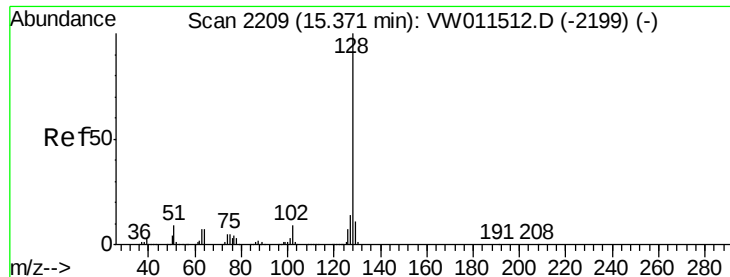
#94
 Hexachlorobutadiene
 Concen: 54.452 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion:225 Resp: 113019
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.8 92.3
 227 63.0 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 80000 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

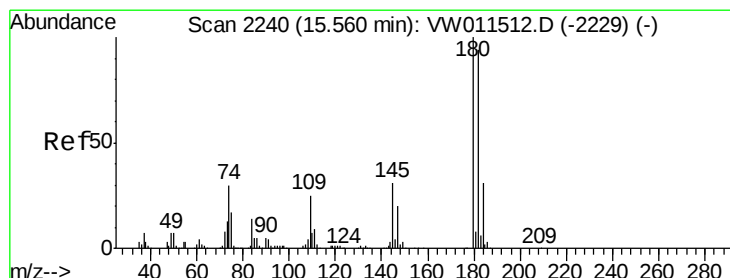
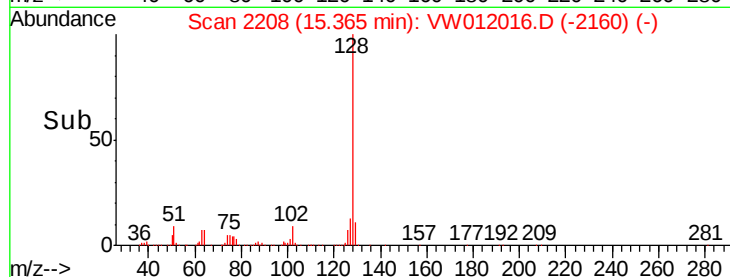
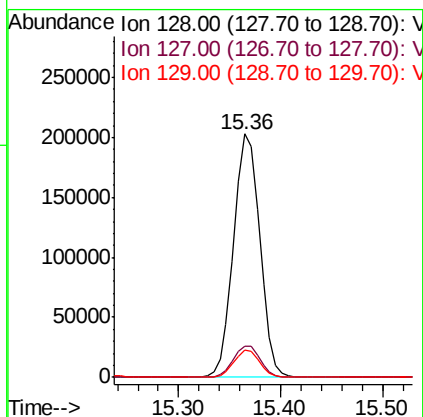
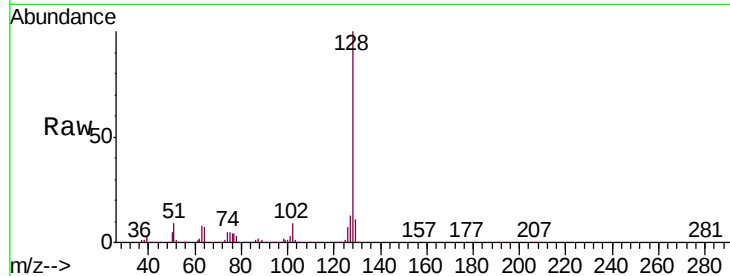




#95
Naphthalene
Concen: 55.122 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 360811
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 56.226 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion:180 Resp: 164035
Ion Ratio Lower Upper
180 100
182 93.8 47.4 142.2
145 31.1 15.9 47.7

