

Data File : VW012362.D
Acq On : 30 Aug 2019 20:26
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 31 03:07:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145690	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128536	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	7.88	113	100371	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.32	98	402628	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.62	95	143937	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	64225	49.985	ug/l	97
3) Chloromethane	2.21	50	111467	55.995	ug/l	99
4) Vinyl Chloride	2.35	62	127209	52.210	ug/l	100
5) Bromomethane	2.73	94	61235	49.625	ug/l	96
6) Chloroethane	2.90	64	73747	53.655	ug/l	99
7) Trichlorofluoromethane	3.24	101	67436	55.120	ug/l	98
8) Diethyl Ether	3.67	74	62707	53.998	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	105888	50.918	ug/l	98
10) Methyl Iodide	4.26	142	150534	53.500	ug/l	99
11) Tert butyl alcohol	5.16	59	44892	300.717	ug/l	99
12) 1,1-Dichloroethene	4.04	96	109357	52.246	ug/l	96
13) Acrolein	3.89	56	34167	243.141	ug/l	99
14) Allyl chloride	4.66	41	242688	54.235	ug/l	100
15) Acrylonitrile	5.36	53	168275	292.349	ug/l	100
16) Acetone	4.12	43	162052	255.561	ug/l	99
17) Carbon Disulfide	4.37	76	319492	50.506	ug/l	97
18) Methyl Acetate	4.66	43	96539	61.468	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	190791	56.366	ug/l	98
20) Methylene Chloride	4.91	84	126624	52.822	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	120527	53.698	ug/l	99
22) Diisopropyl ether	6.31	45	461535	55.644	ug/l	97
23) Vinyl Acetate	6.25	43	1434336	280.995	ug/l	100
24) 1,1-Dichloroethane	6.21	63	245362	54.330	ug/l	99
25) 2-Butanone	7.16	43	243072	282.093	ug/l	100
26) 2,2-Dichloropropane	7.16	77	130615	51.097	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	130735	54.516	ug/l	99
28) Bromochloromethane	7.51	49	101025	51.324	ug/l	99
29) Tetrahydrofuran	7.52	42	157086	303.861	ug/l	100
30) Chloroform	7.67	83	224704	54.384	ug/l	99
31) Cyclohexane	7.95	56	214277	47.957	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	177148	54.197	ug/l	100
36) 1,1-Dichloropropene	8.08	75	181738	52.234	ug/l	100
37) Ethyl Acetate	7.24	43	106162	55.681	ug/l	100
38) Carbon Tetrachloride	8.06	117	159053	52.816	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	194864	49.853	ug/l	99
40) Benzene	8.32	78	505942	53.254	ug/l	98
41) Methacrylonitrile	7.48	41	67171	59.943	ug/l	96
42) 1,2-Dichloroethane	8.40	62	162328	54.517	ug/l	100
43) Isopropyl Acetate	8.42	43	200362	56.733	ug/l	100
44) Trichloroethene	9.09	130	122530	53.054	ug/l	96
45) 1,2-Dichloropropane	9.37	63	137266	53.685	ug/l	97
46) Dibromomethane	9.46	93	62390	54.842	ug/l	99
47) Bromodichloromethane	9.64	83	165150	54.546	ug/l	96
48) Methyl methacrylate	9.43	41	97624	58.079	ug/l	97
49) 1,4-Dioxane	9.45	88	19970	1146.657	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	530904	295.553	ug/l	99
52) Toluene	10.38	92	305797	53.579	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	169370	54.917	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	201161	54.019	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	87963	54.649	ug/l	98
56) Ethyl methacrylate	10.65	69	135170	57.700	ug/l	99
57) 1,3-Dichloropropane	10.93	76	168362	55.351	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	359704	299.182	ug/l	100
59) 2-Hexanone	10.97	43	365768	287.779	ug/l	100
60) Dibromochloromethane	11.13	129	99960	55.756	ug/l	99
61) 1,2-Dibromoethane	11.24	107	83318	55.562	ug/l	99
64) Tetrachloroethene	10.86	164	101786	52.888	ug/l	98
65) Chlorobenzene	11.66	112	305162	52.207	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	108225	53.073	ug/l	99
67) Ethyl Benzene	11.73	91	594161	52.768	ug/l	99
68) m/p-Xylenes	11.84	106	429737	105.953	ug/l	99
69) o-Xylene	12.16	106	201092	53.569	ug/l	100
70) Styrene	12.18	104	352510	54.252	ug/l	99
71) Bromoform	12.35	173	57276	56.376	ug/l #	98
73) Isopropylbenzene	12.46	105	558581	51.167	ug/l	99
74) N-amyl acetate	12.27	43	186683	56.600	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	106889	53.408	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	143191	100.916	ug/l #	100
77) Bromobenzene	12.74	156	123532	52.306	ug/l	99
78) n-propylbenzene	12.80	91	683861	51.313	ug/l	99
79) 2-Chlorotoluene	12.89	91	395432	52.261	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	477094	52.301	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35243	54.458	ug/l	98
82) 4-Chlorotoluene	12.99	91	410364	51.797	ug/l	100
83) tert-Butylbenzene	13.21	119	403779	52.255	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	478727	52.244	ug/l	100
85) sec-Butylbenzene	13.38	105	568279	51.333	ug/l	100
86) p-Isopropyltoluene	13.50	119	511192	51.706	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	237043	51.314	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	237843	51.854	ug/l	100
89) n-Butylbenzene	13.82	91	511510	52.027	ug/l	100
90) Hexachloroethane	14.09	117	88783	51.185	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	213668	52.726	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19343	57.330	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW083019\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	153842	54.934	ug/l	99
94) Hexachlorobutadiene	15.24	225	98602	53.322	ug/l	97
95) Naphthalene	15.36	128	291061	52.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	134637	55.103	ug/l	99

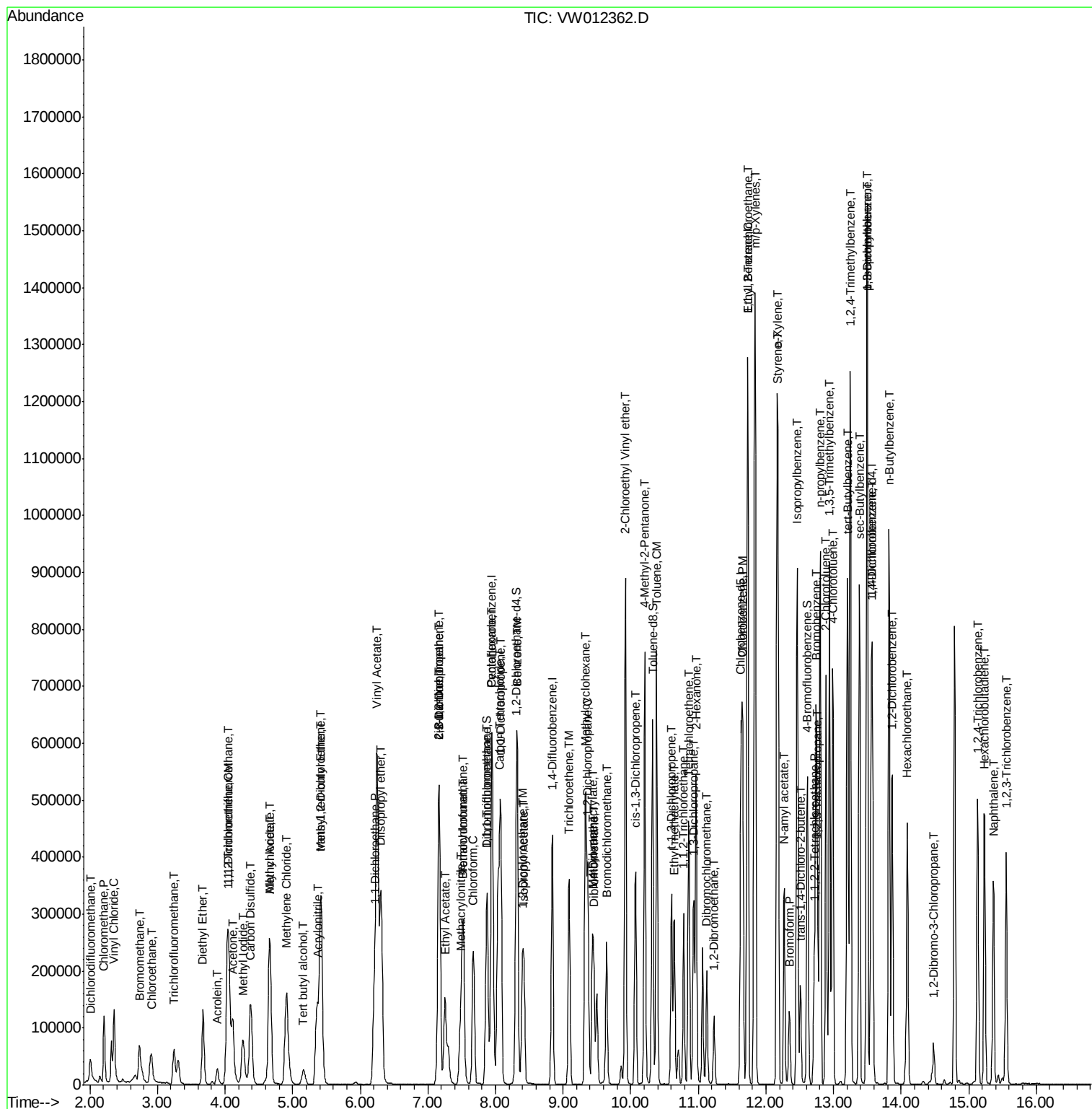
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012362.D

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Misc         : 5.00G/5ML/MSVOA_W/
ALS Vial     : 26 Sample Multip
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Instrument :
MSVOA_W
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

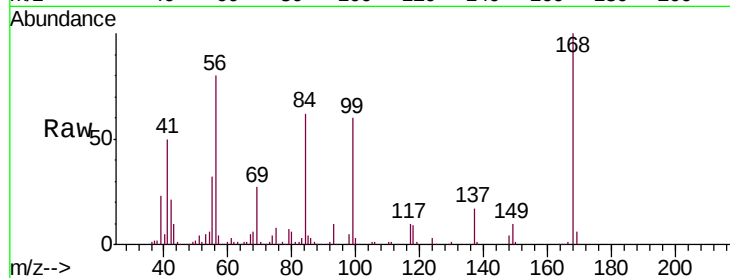
VSTDCCC050EC

Tgt Ion:168 Resp: 208675

Ion Ratio Lower Upper

168 100

99 60.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

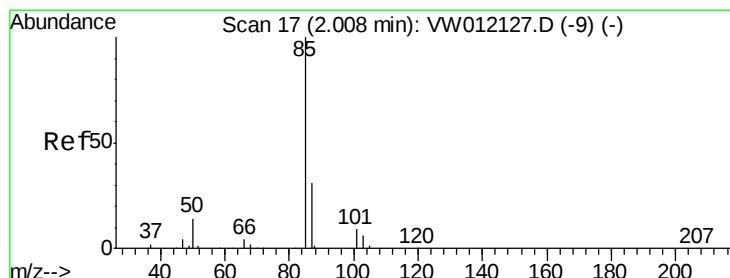
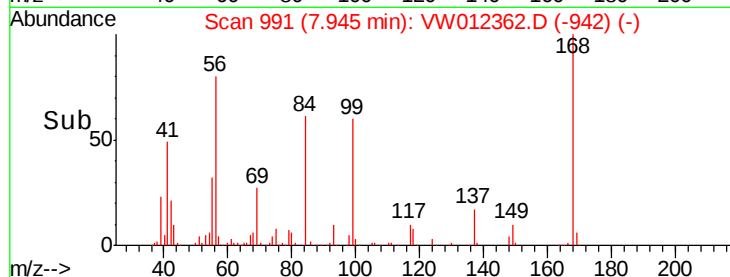
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 49.985 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012362.D

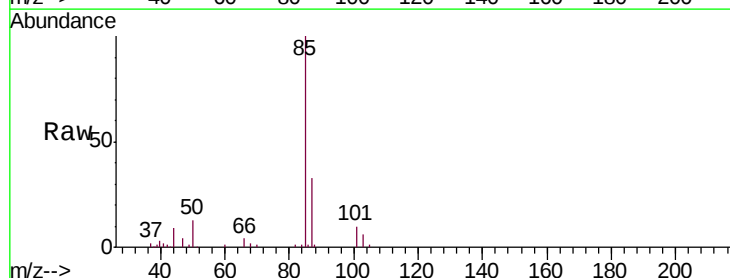
Acq: 30 Aug 2019 20:26

Tgt Ion: 85 Resp: 64225

Ion Ratio Lower Upper

85 100

87 33.1 15.6 46.8



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

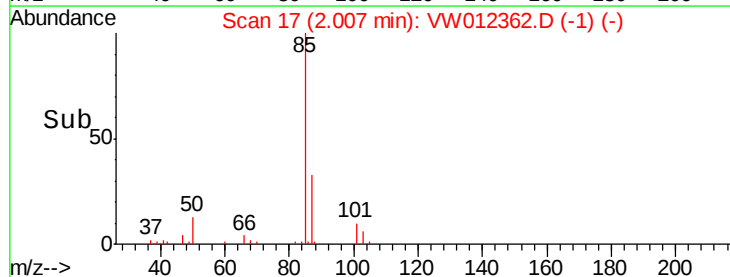
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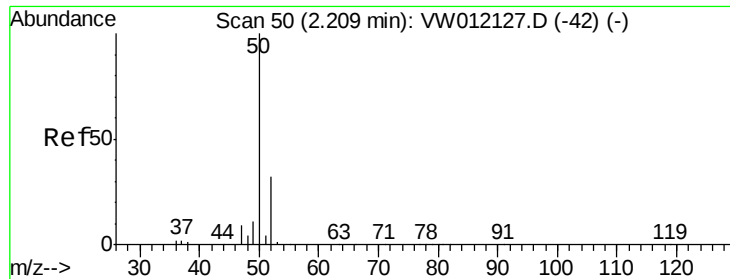
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 55.995 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

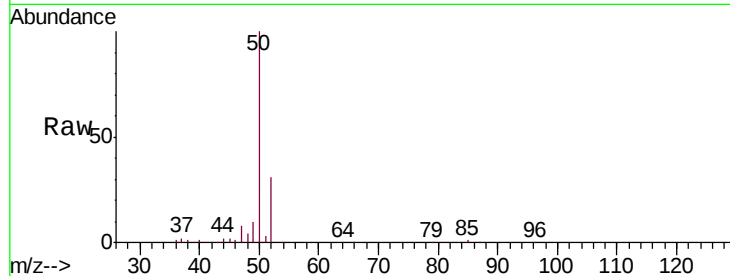
VSTDCCC050EC

Tgt Ion: 50 Resp: 111467

Ion Ratio Lower Upper

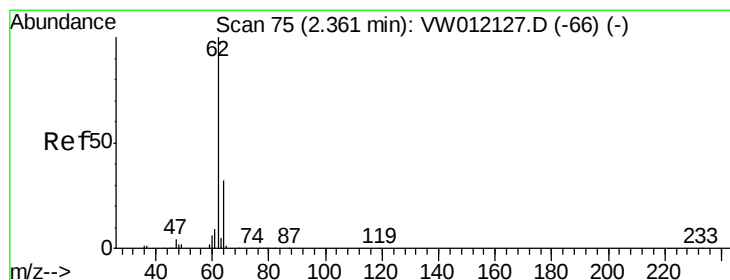
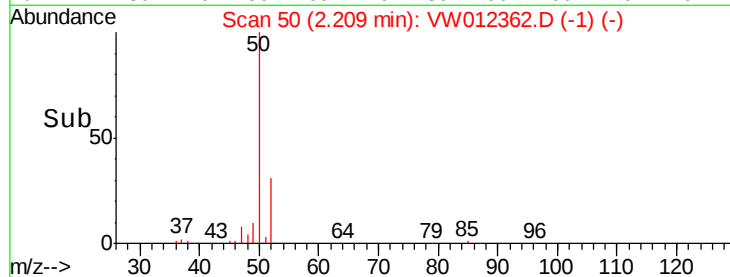
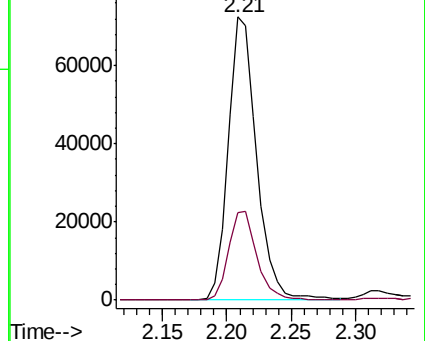
50 100

52 31.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 52.210 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012362.D

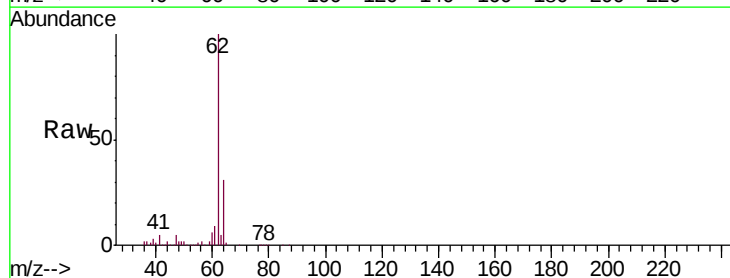
Acq: 30 Aug 2019 20:26

Tgt Ion: 62 Resp: 127209

Ion Ratio Lower Upper

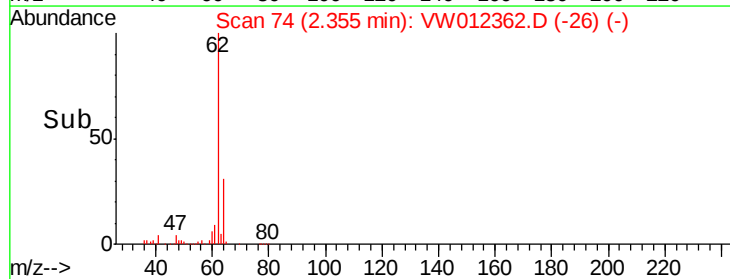
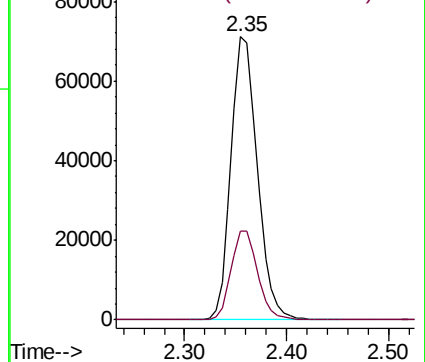
62 100

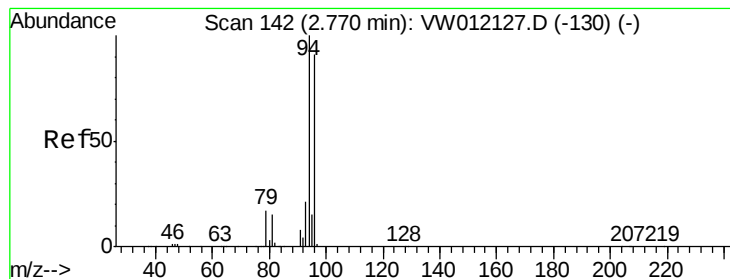
64 31.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 49.625 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

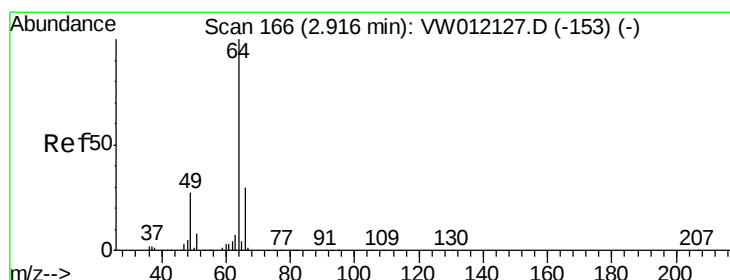
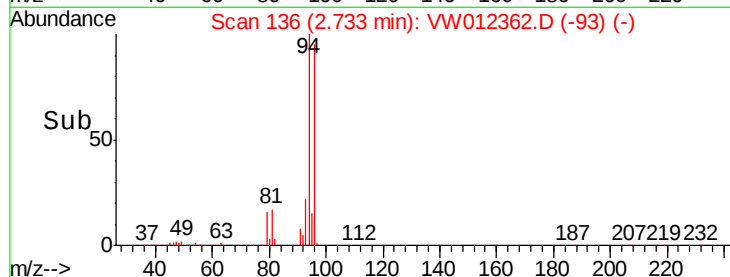
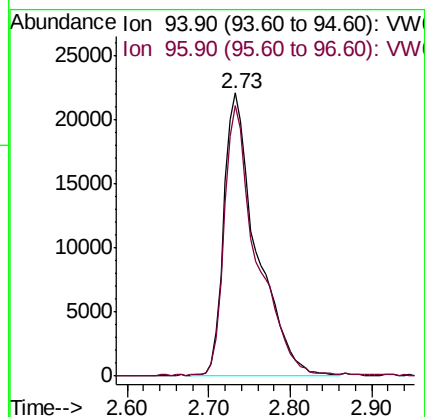
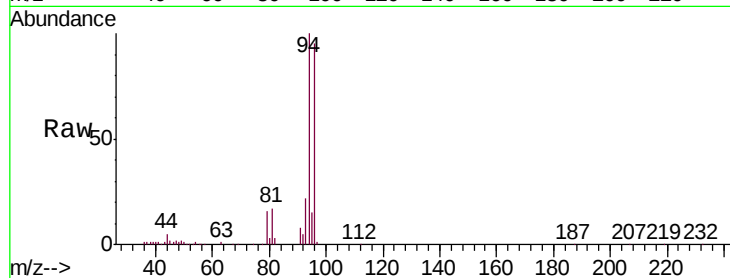
VSTDCCC050EC

Tgt Ion: 94 Resp: 61235

Ion Ratio Lower Upper

94 100

96 95.3 72.9 109.3



#6

Chloroethane

Concen: 53.655 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012362.D

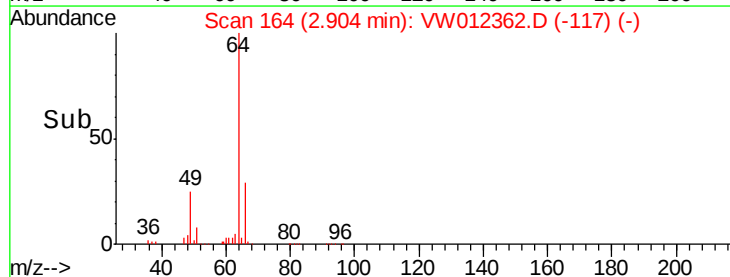
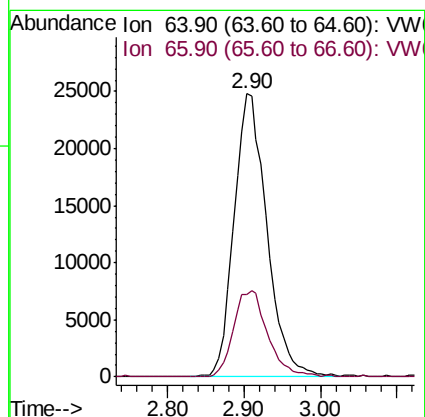
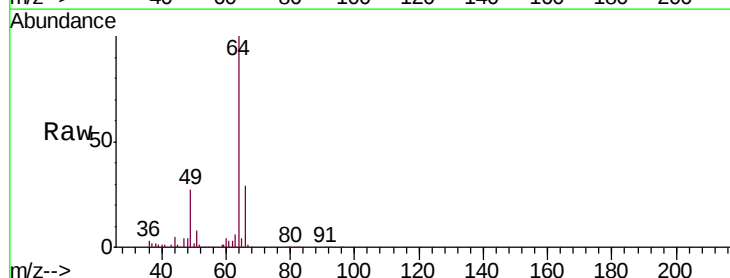
Acq: 30 Aug 2019 20:26

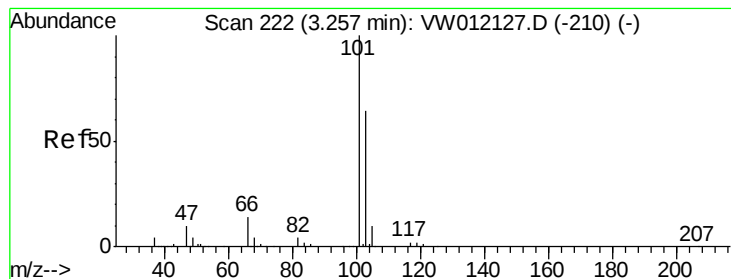
Tgt Ion: 64 Resp: 73747

Ion Ratio Lower Upper

64 100

66 29.2 23.8 35.8



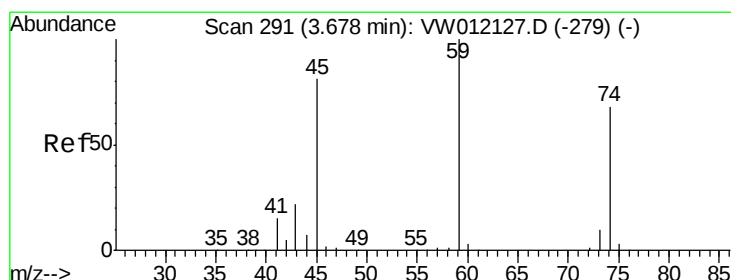
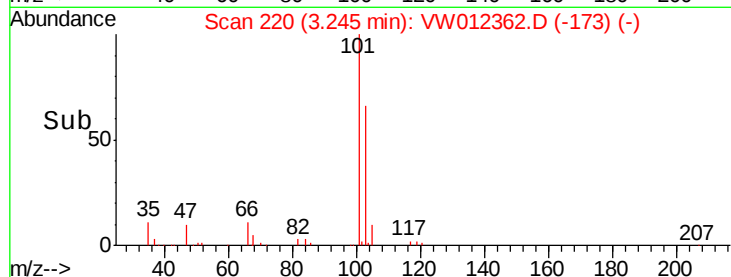
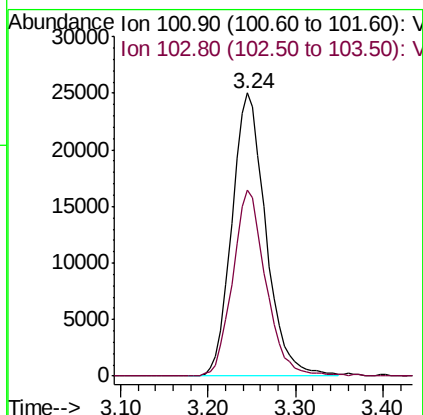
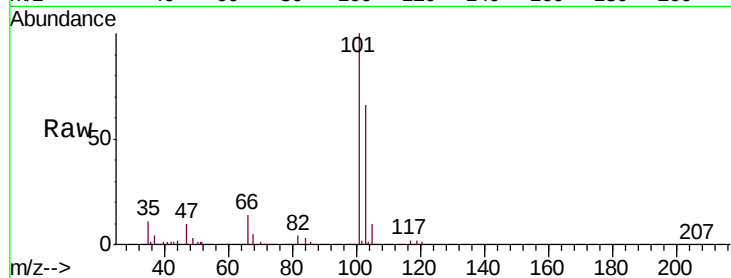


#7

Trichlorofluoromethane
 Concen: 55.120 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012362.D
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Instrument :
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 VSTDCCC050EC

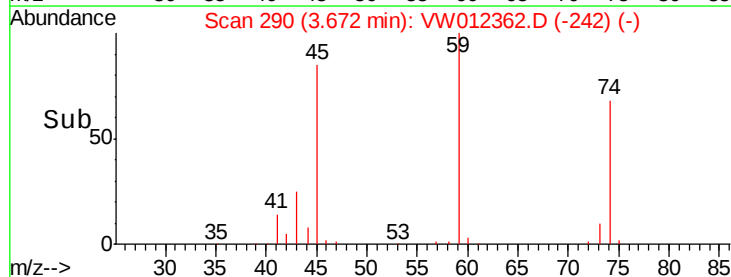
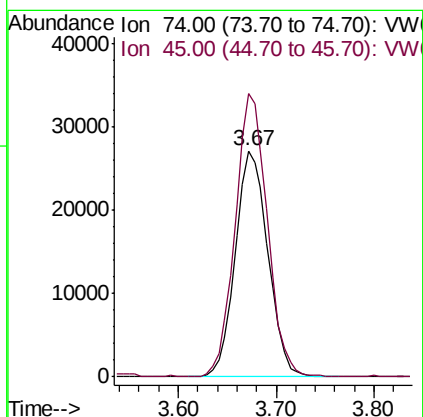
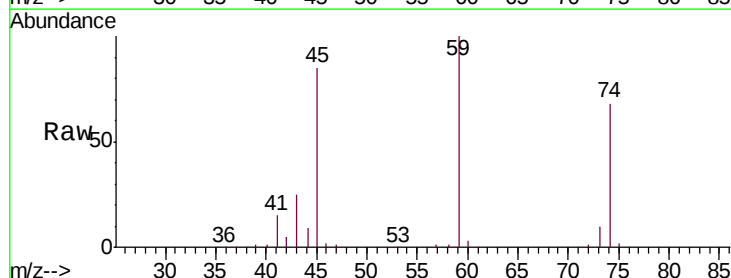
Tgt Ion:101 Resp: 67436
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.2 76.8

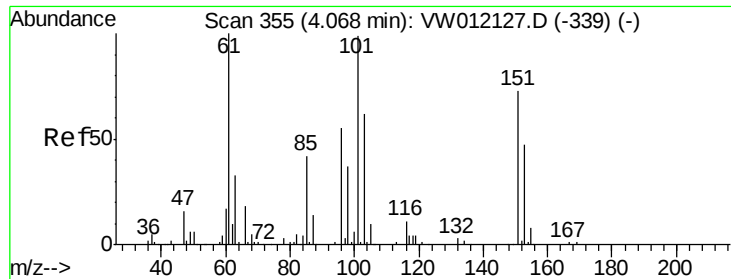


#8

Diethyl Ether
 Concen: 53.998 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion: 74 Resp: 62707
 Ion Ratio Lower Upper
 74 100
 45 123.9 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.918 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

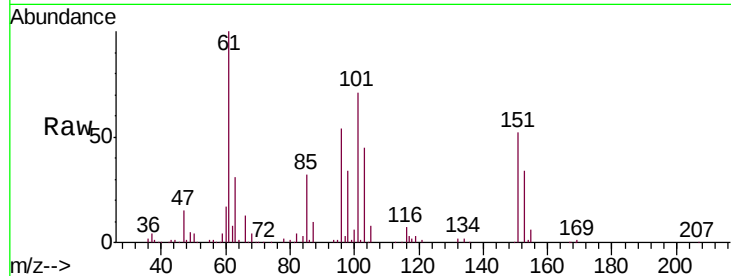
Tgt Ion:101 Resp: 105888

Ion Ratio Lower Upper

101 100

85 45.8 35.8 53.6

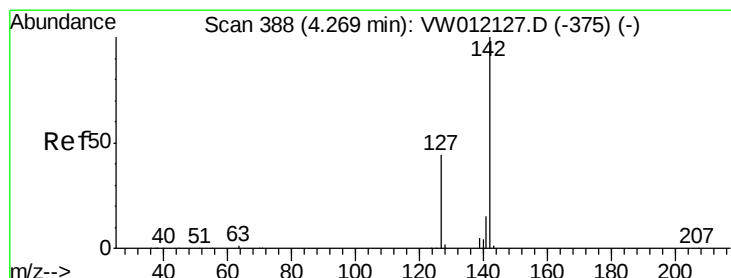
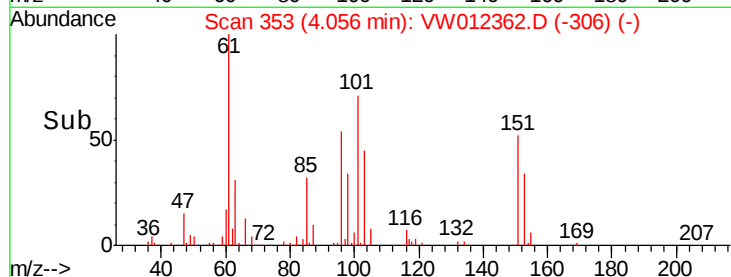
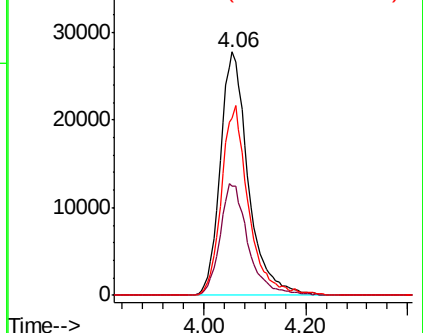
151 74.4 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.500 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

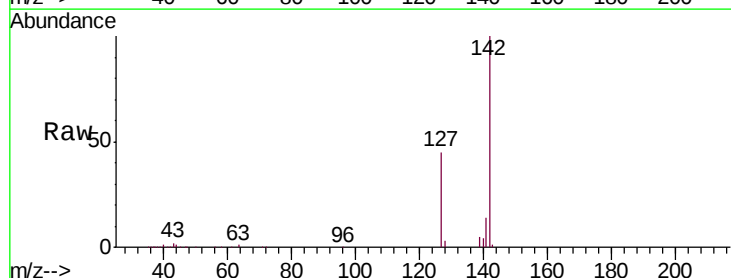
Tgt Ion:142 Resp: 150534

Ion Ratio Lower Upper

142 100

127 45.3 35.5 53.3

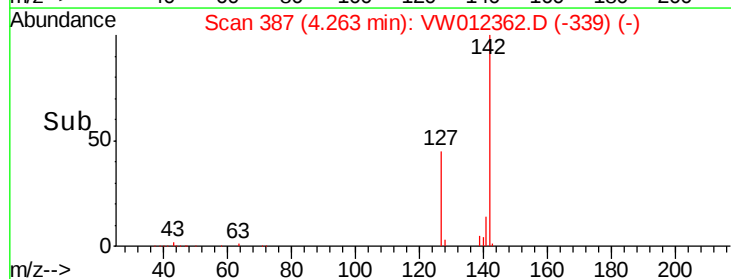
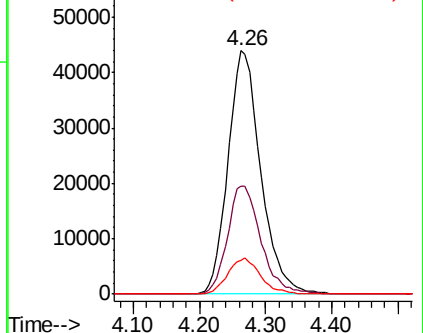
141 14.6 11.8 17.8

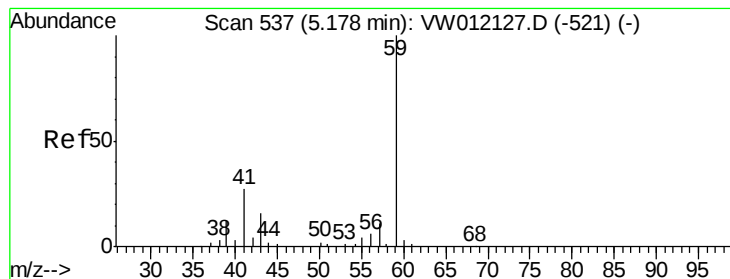


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



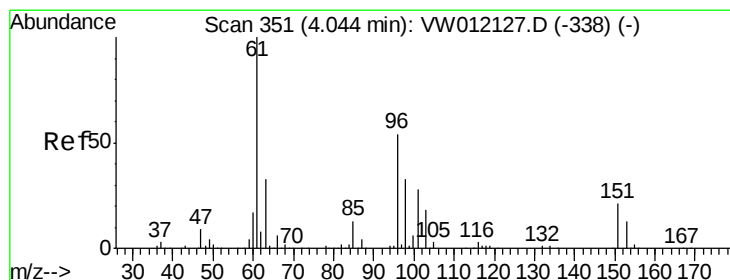
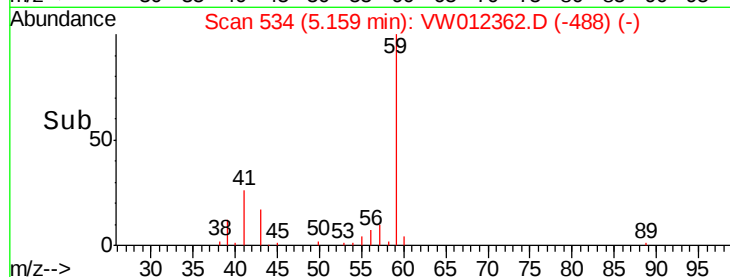
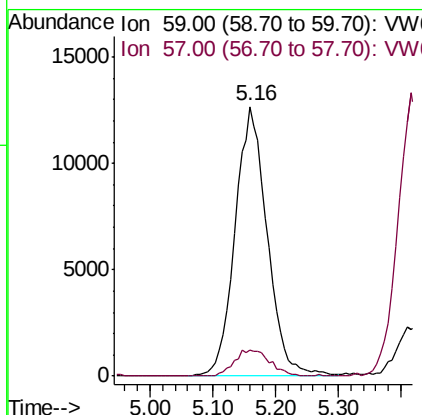
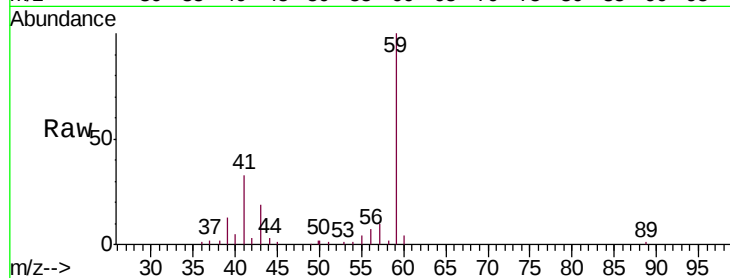


#11

Tert butyl alcohol
 Concen: 300.717 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

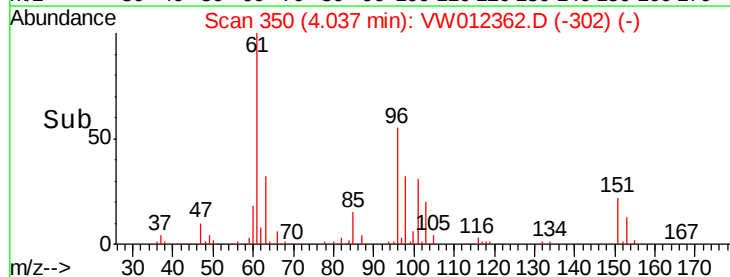
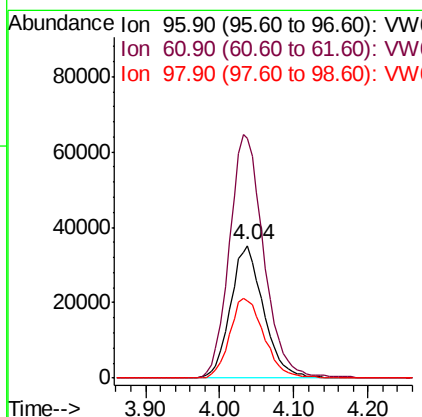
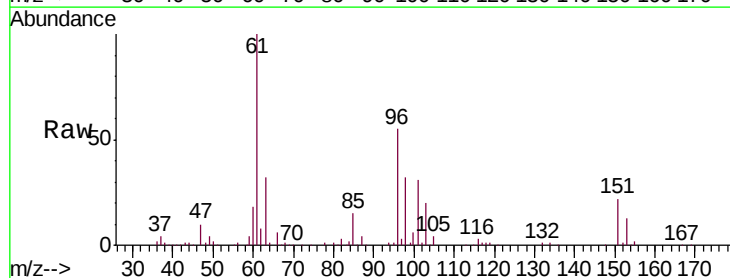
Tgt Ion: 59 Resp: 44892
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.0 13.4

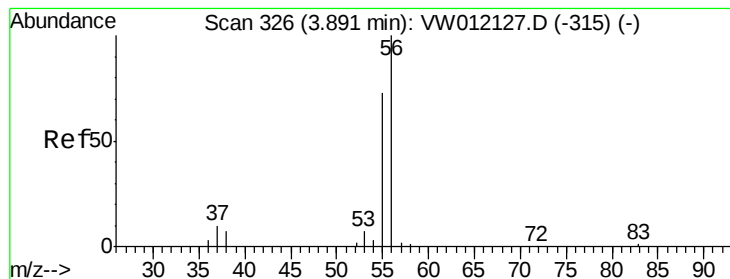


#12

1,1-Dichloroethene
 Concen: 52.246 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion: 96 Resp: 109357
 Ion Ratio Lower Upper
 96 100
 61 181.2 149.1 223.7
 98 58.1 49.4 74.2





#13

Acrolein

Concen: 243.141 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

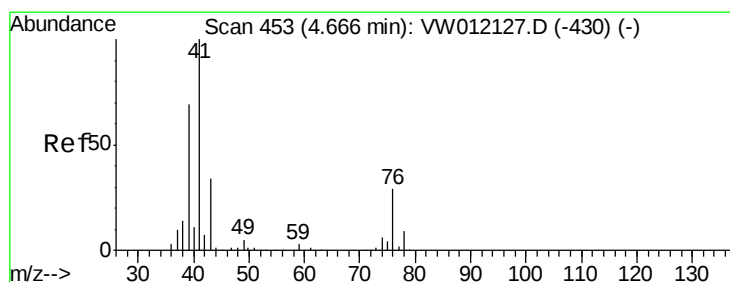
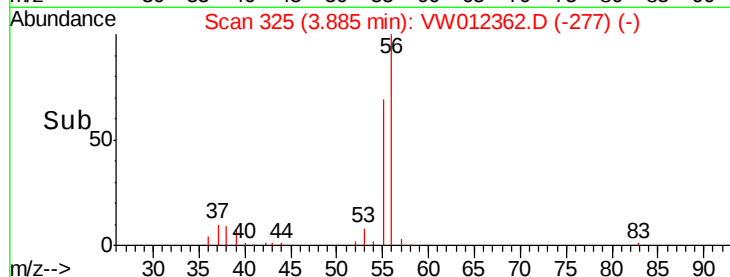
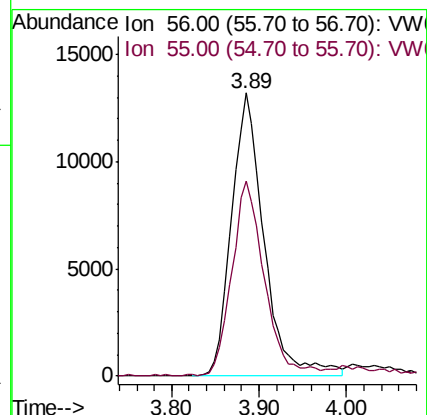
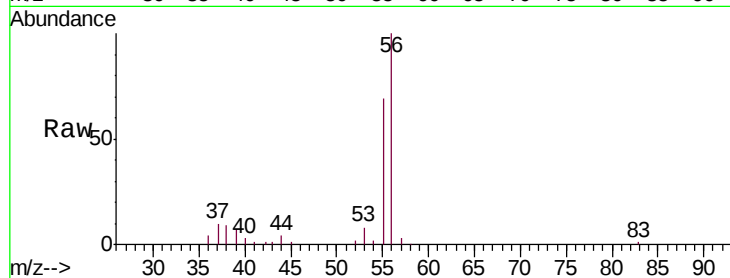
VSTDCCC050EC

Tgt Ion: 56 Resp: 34167

Ion Ratio Lower Upper

56 100

55 69.0 55.8 83.8



#14

Allyl chloride

Concen: 54.235 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

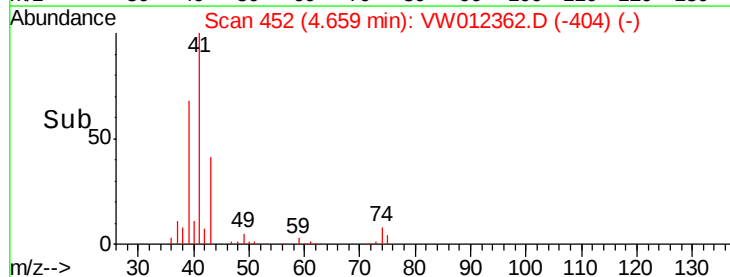
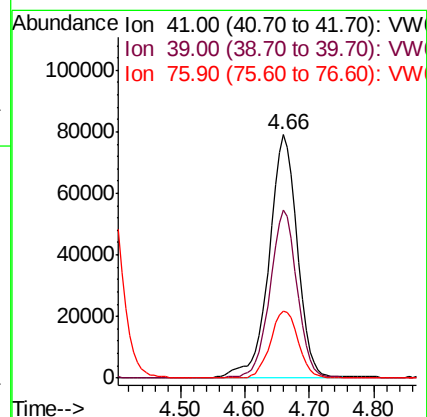
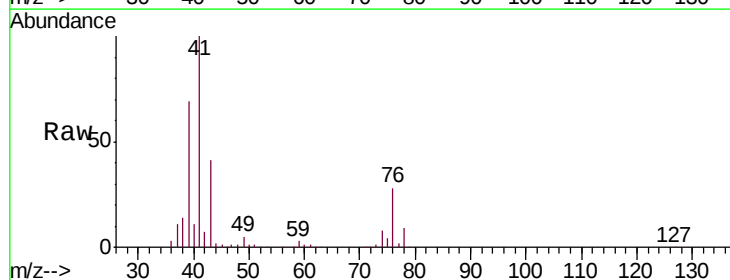
Tgt Ion: 41 Resp: 242688

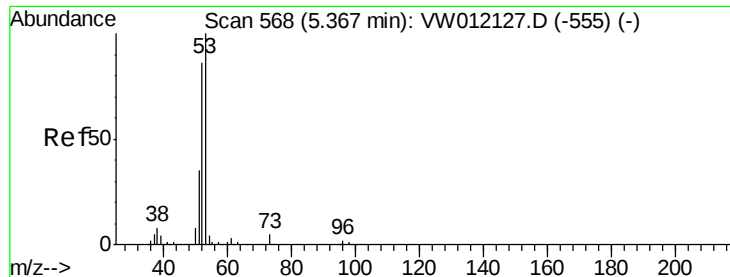
Ion Ratio Lower Upper

41 100

39 66.6 53.4 80.2

76 27.2 22.1 33.1





#15

Acrylonitrile

Concen: 292.349 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

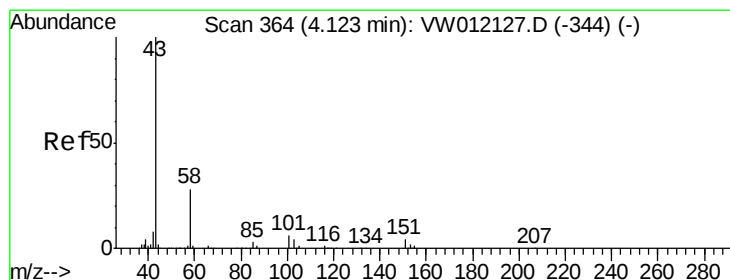
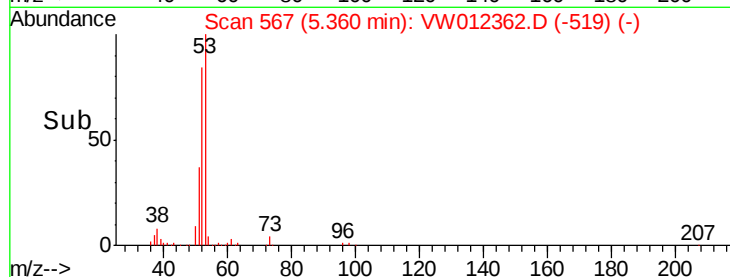
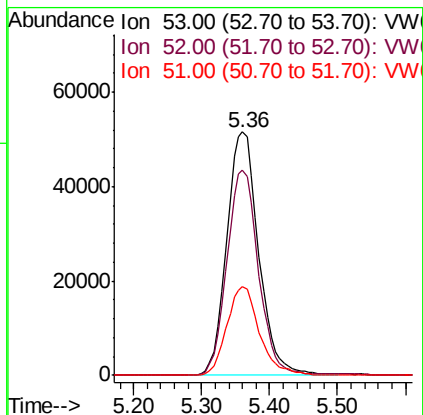
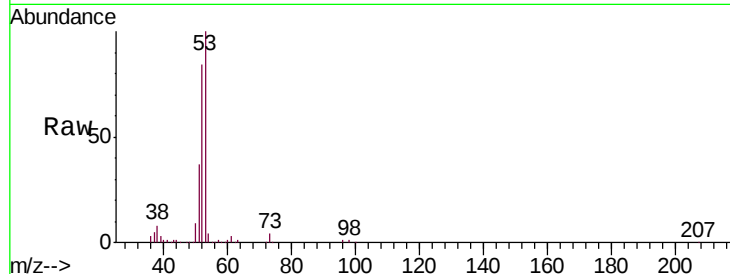
Tgt Ion: 53 Resp: 168275

Ion Ratio Lower Upper

53 100

52 83.1 66.7 100.1

51 37.4 30.1 45.1



#16

Acetone

Concen: 255.561 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012362.D

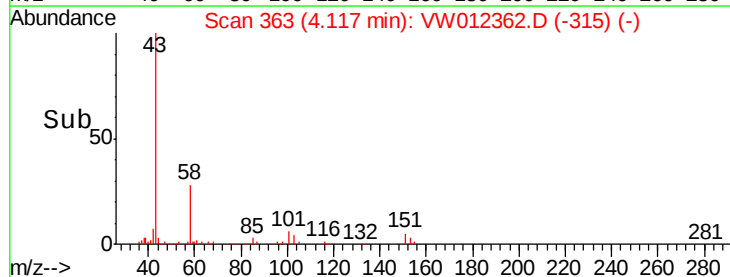
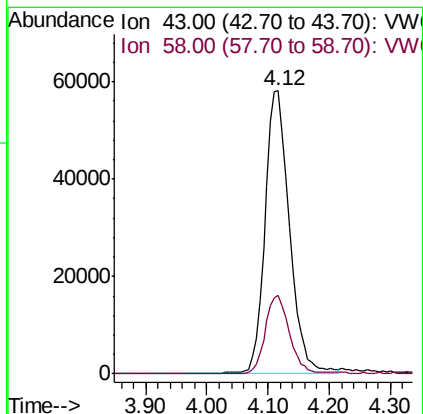
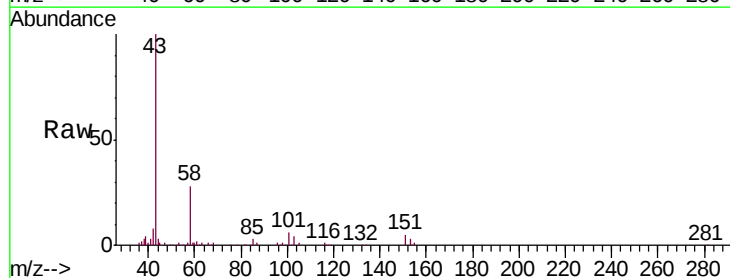
Acq: 30 Aug 2019 20:26

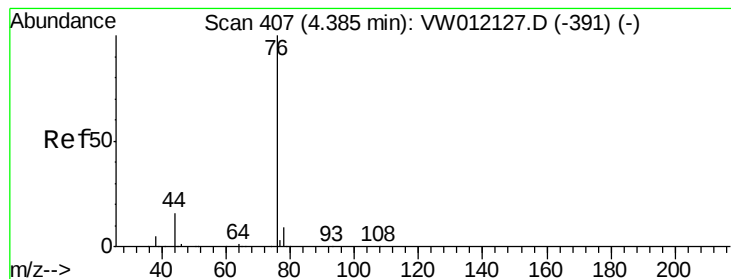
Tgt Ion: 43 Resp: 162052

Ion Ratio Lower Upper

43 100

58 27.4 22.4 33.6





#17

Carbon Disulfide

Concen: 50.506 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

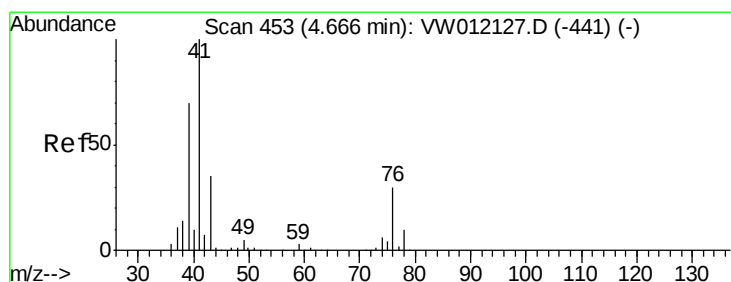
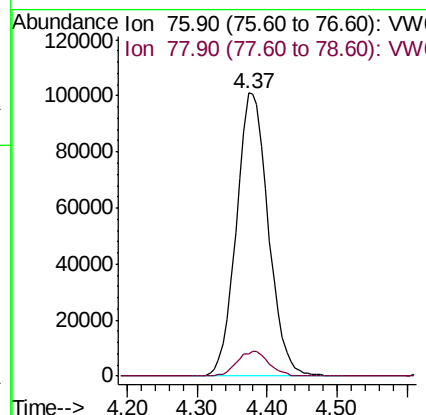
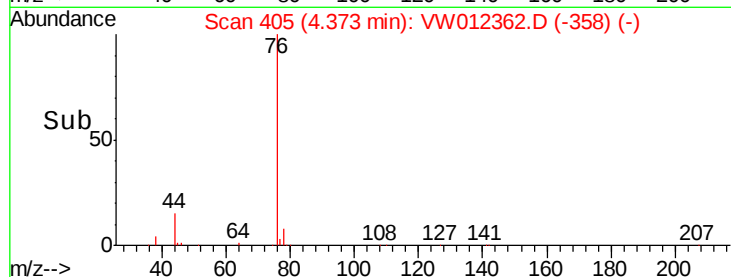
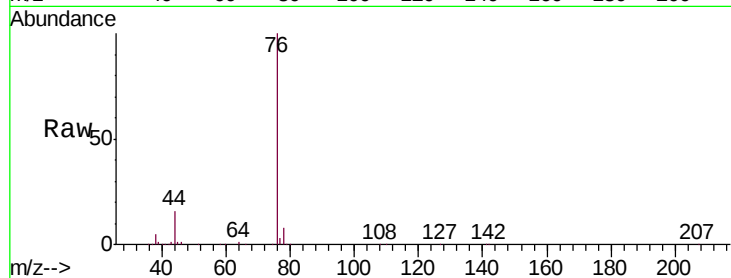
VSTDCCC050EC

Tgt Ion: 76 Resp: 319492

Ion Ratio Lower Upper

76 100

78 8.1 7.3 10.9



#18

Methyl Acetate

Concen: 61.468 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012362.D

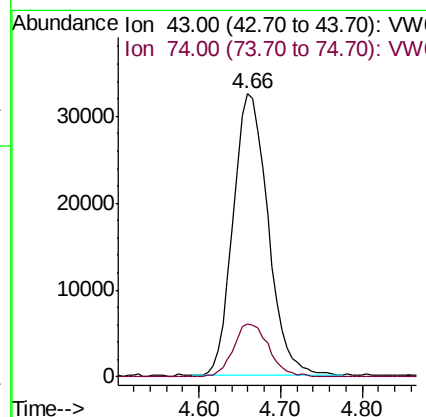
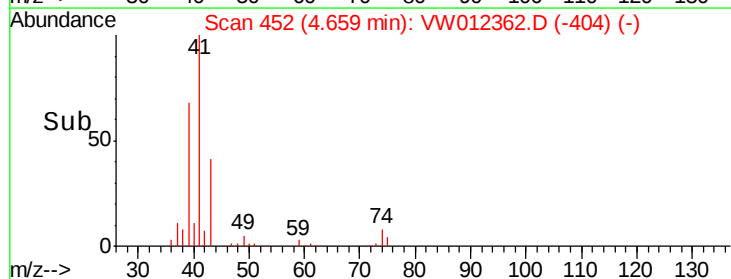
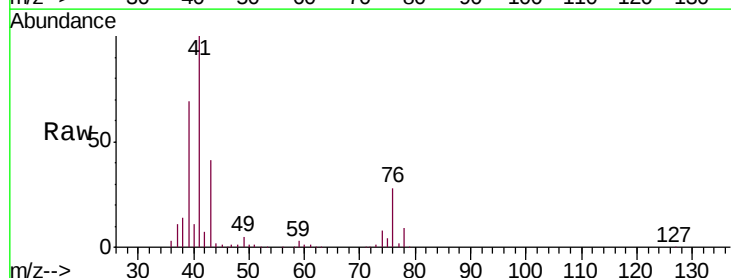
Acq: 30 Aug 2019 20:26

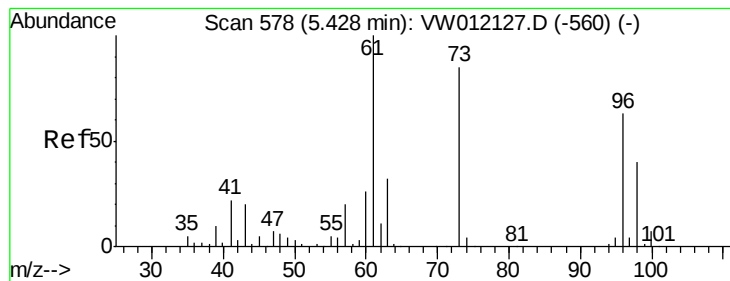
Tgt Ion: 43 Resp: 96539

Ion Ratio Lower Upper

43 100

74 19.1 15.7 23.5





#19

Methyl tert-butyl Ether

Concen: 56.366 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

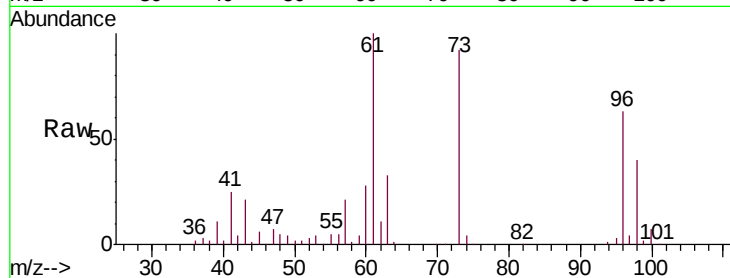
VSTDCCC050EC

Tgt Ion: 73 Resp: 190791

Ion Ratio Lower Upper

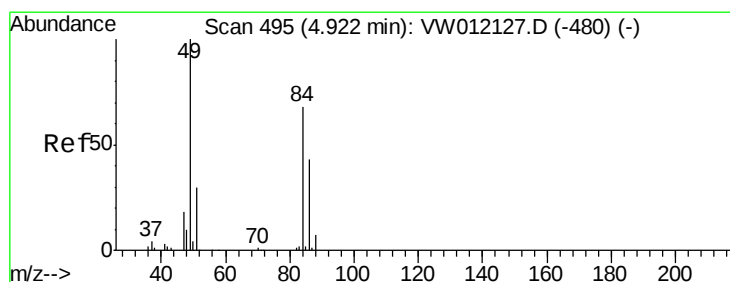
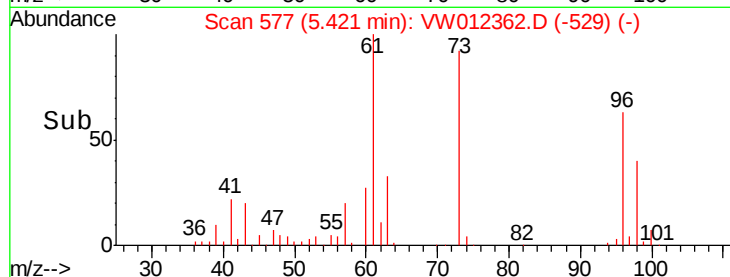
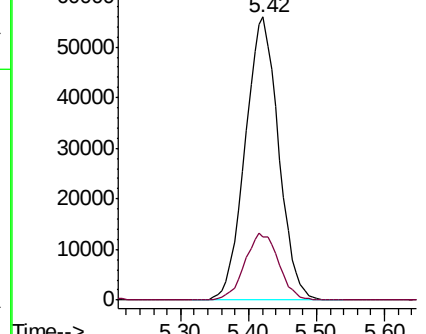
73 100

57 22.4 18.9 28.3



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 52.822 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Tgt Ion: 84 Resp: 126624

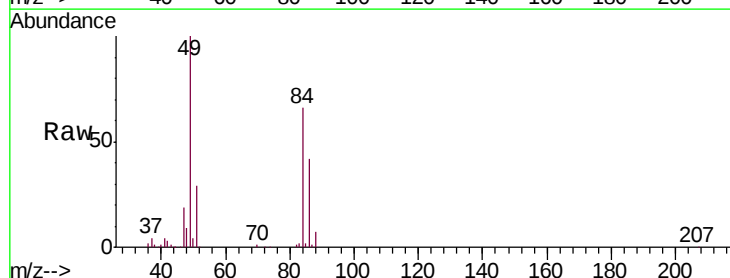
Ion Ratio Lower Upper

84 100

49 152.7 117.8 176.8

51 44.9 35.6 53.4

86 64.2 51.2 76.8

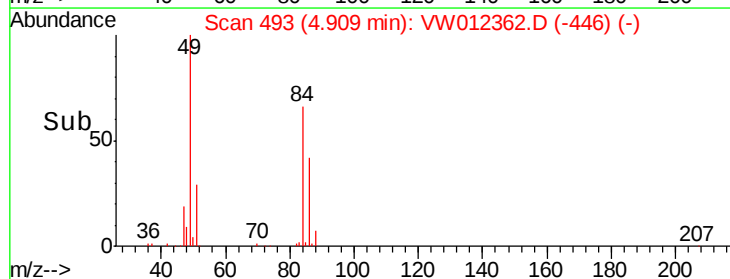
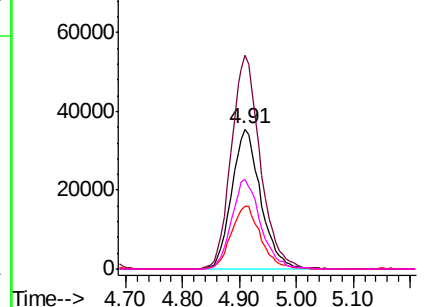


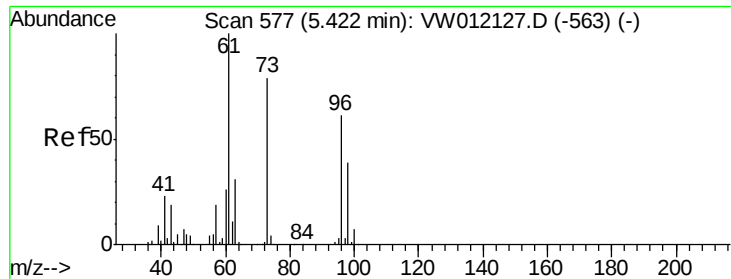
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 53.698 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

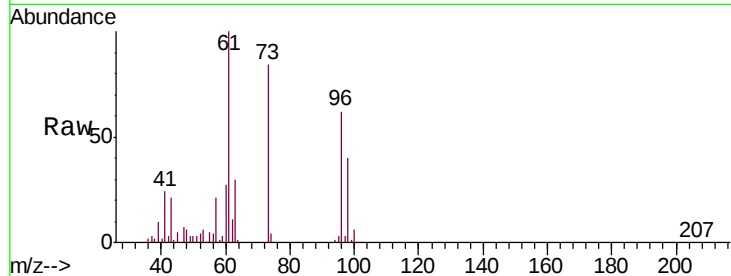
Tgt Ion: 96 Resp: 120527

Ion Ratio Lower Upper

96 100

61 162.4 131.4 197.0

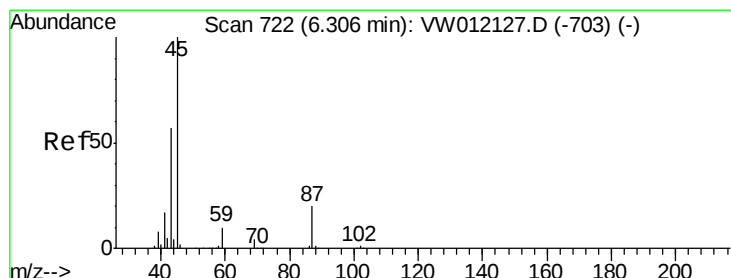
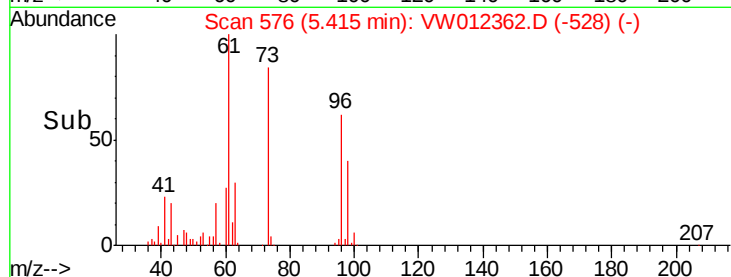
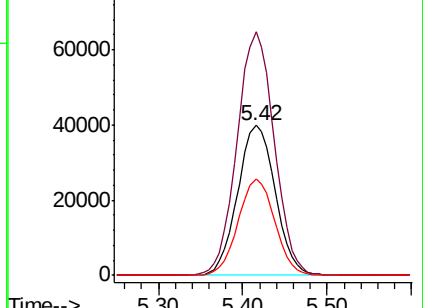
98 64.7 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 55.644 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Tgt Ion: 45 Resp: 461535

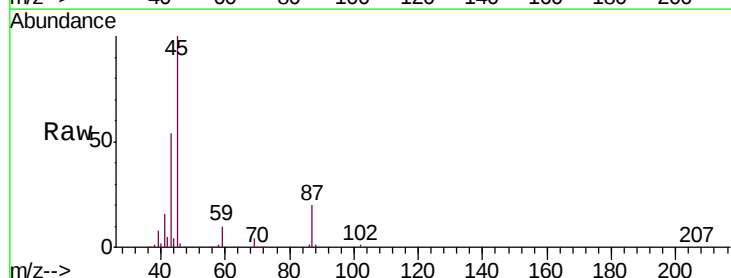
Ion Ratio Lower Upper

45 100

43 53.4 45.5 68.3

87 20.2 16.1 24.1

59 9.9 8.2 12.2

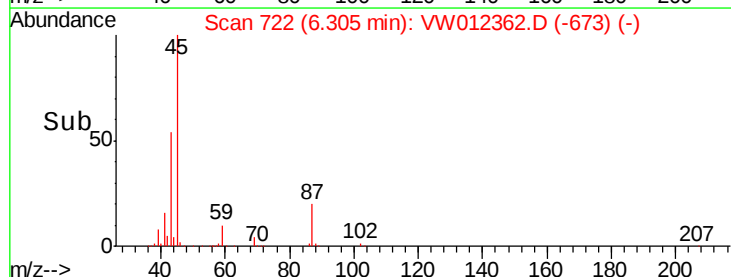
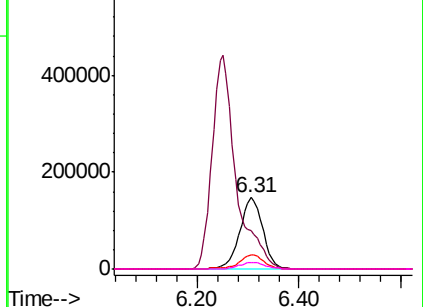


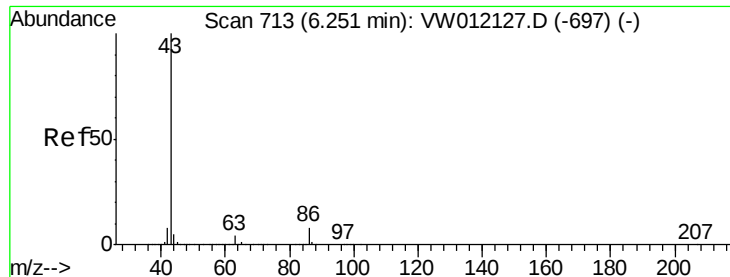
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 280.995 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

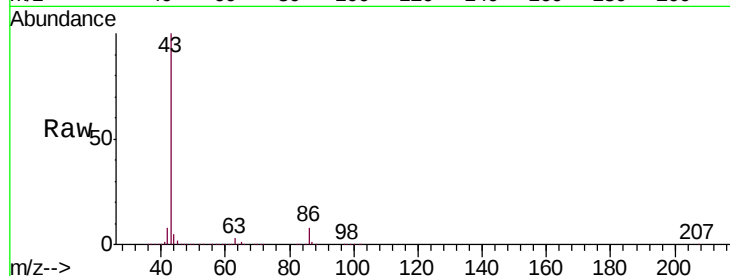
VSTDCCC050EC

Tgt Ion: 43 Resp: 1434336

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

500000

400000

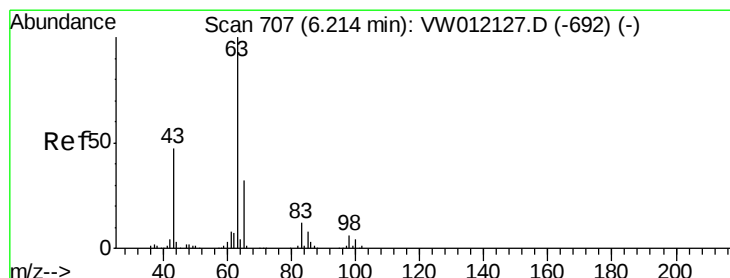
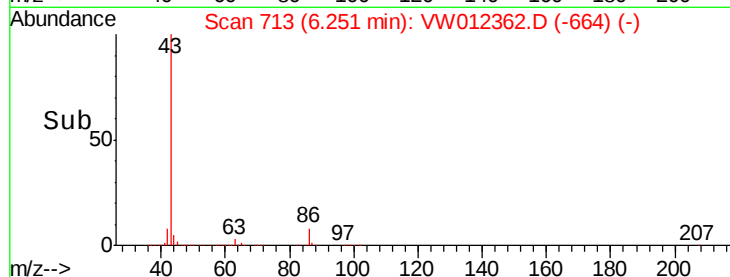
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 54.330 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

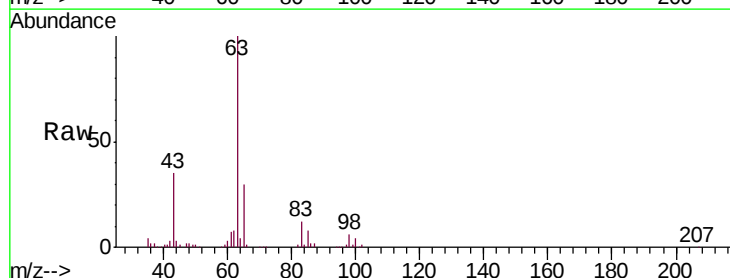
Tgt Ion: 63 Resp: 245362

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

100000

80000

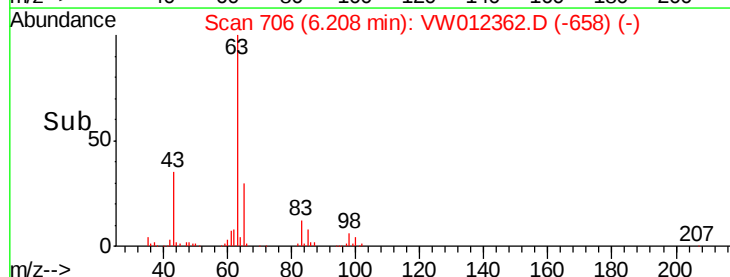
60000

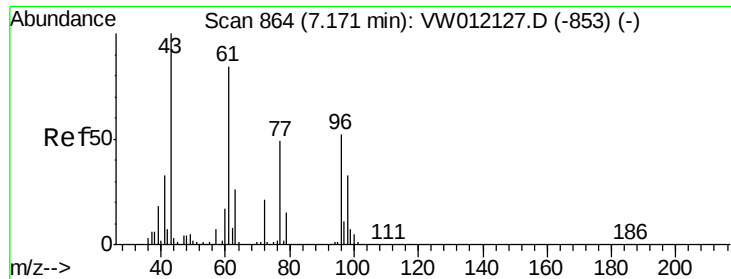
40000

20000

0

Time-->





#25

2-Butanone

Concen: 282.093 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

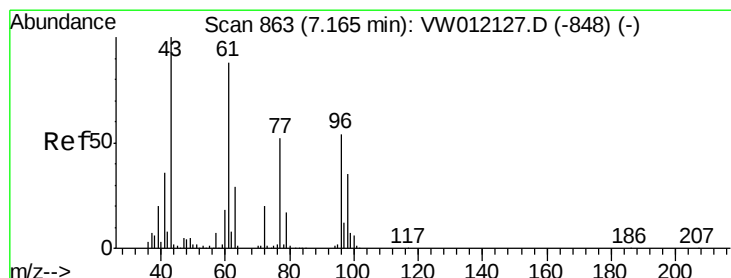
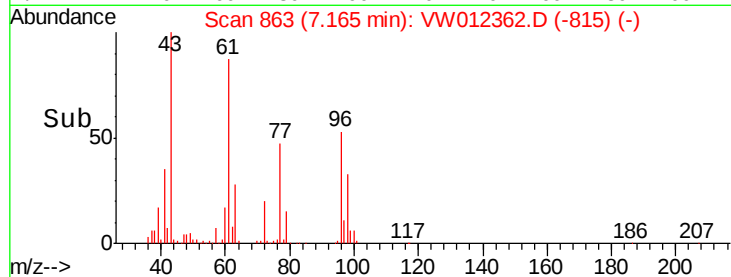
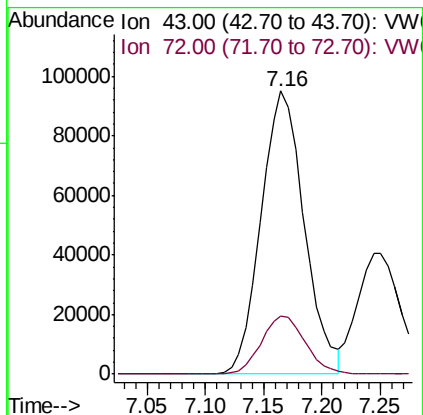
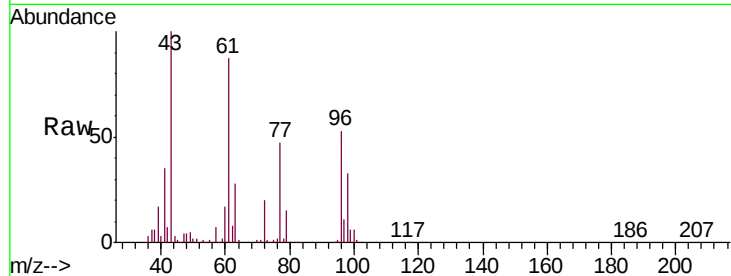
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 243072

Ion Ratio Lower Upper

43 100

72 20.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 51.097 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012362.D

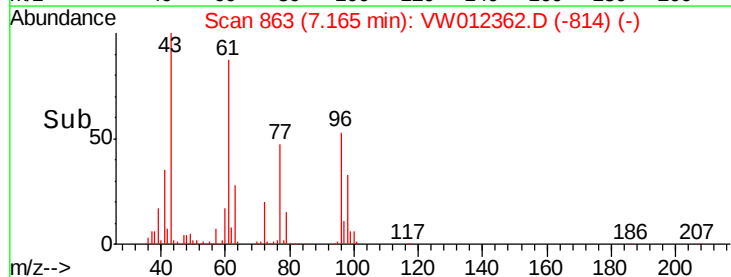
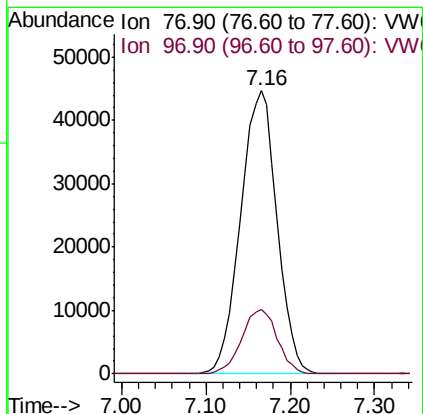
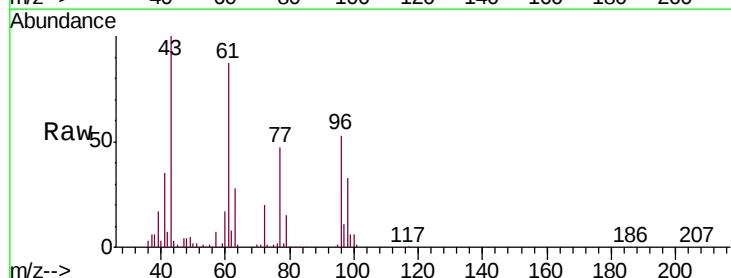
Acq: 30 Aug 2019 20:26

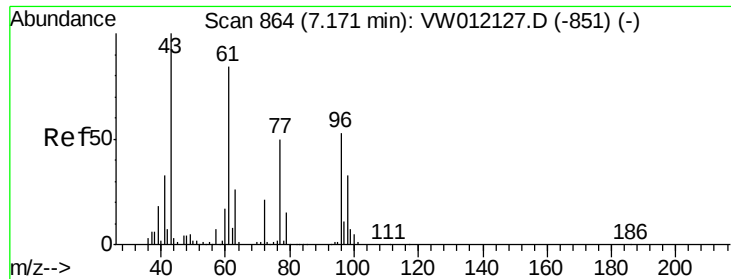
Tgt Ion: 77 Resp: 130615

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1



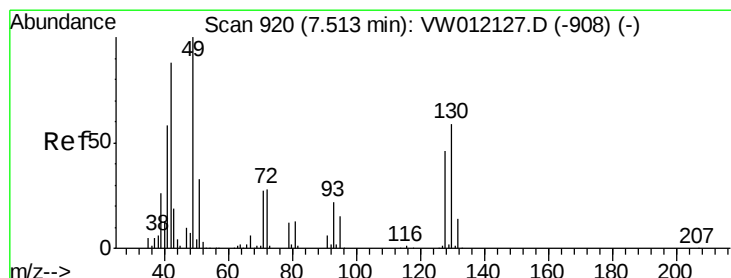
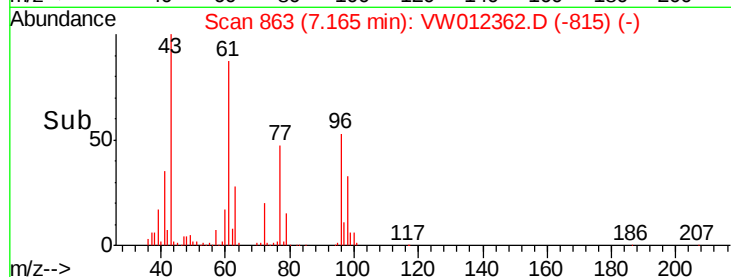
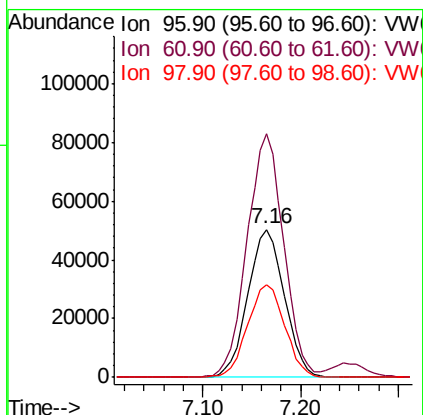
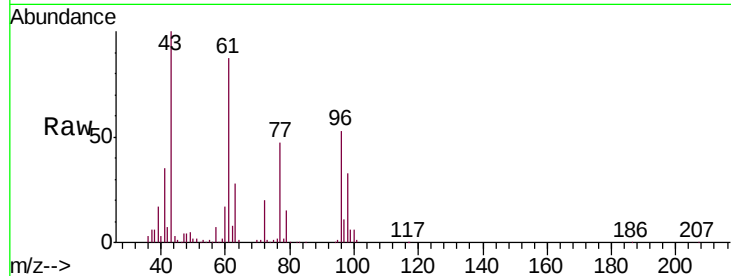


#27

cis-1,2-Dichloroethene
Concen: 54.516 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

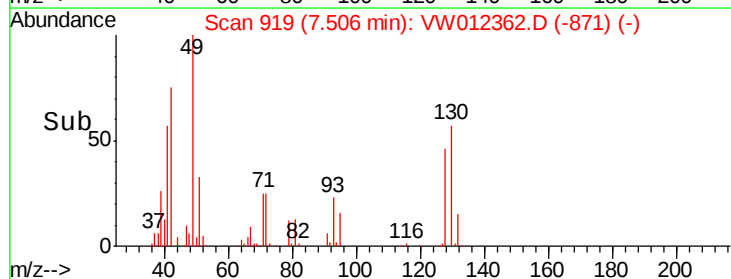
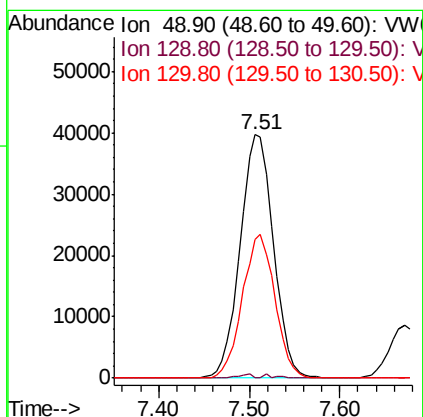
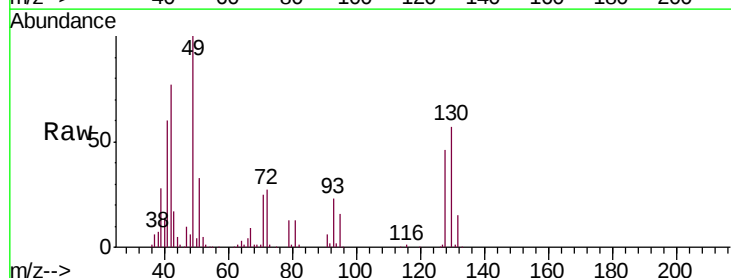
Tgt Ion: 96 Resp: 130735
Ion Ratio Lower Upper
96 100
61 164.7 0.0 326.6
98 63.9 0.0 127.4

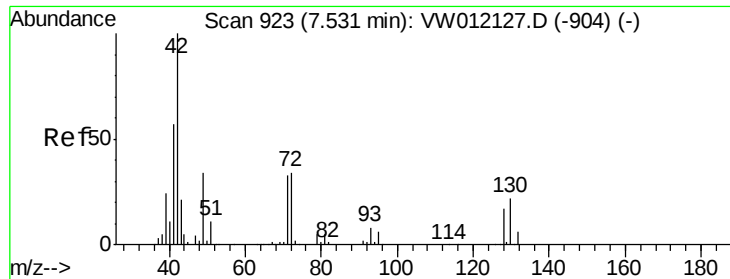


#28

Bromochloromethane
Concen: 51.324 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion: 49 Resp: 101025
Ion Ratio Lower Upper
49 100
129 0.5 0.0 1.4
130 57.7 45.5 68.3

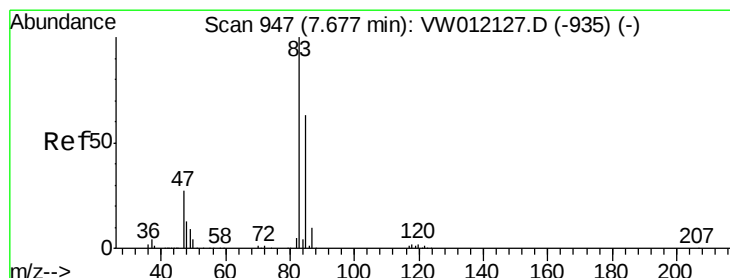
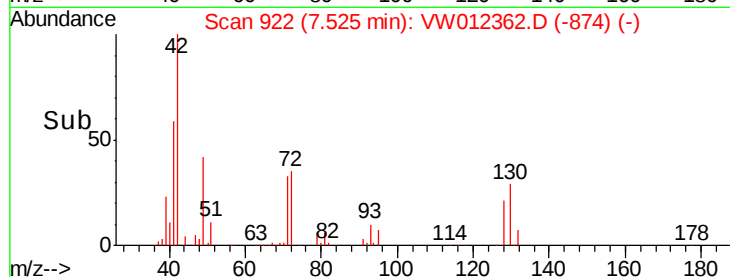
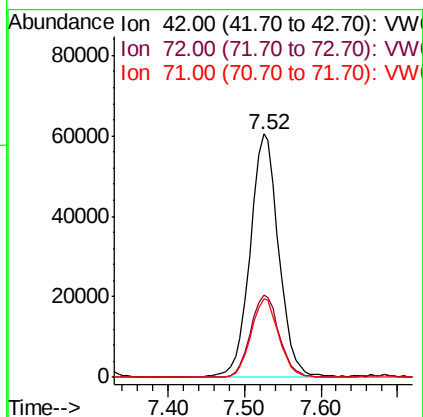
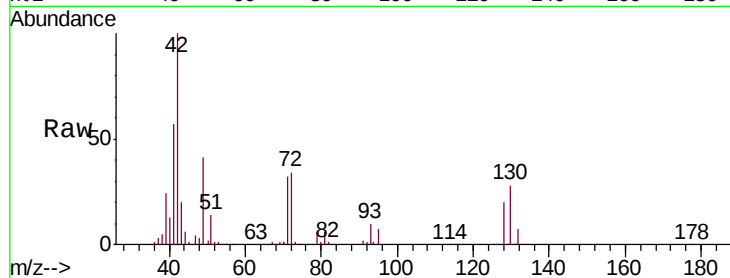




#29
Tetrahydrofuran
Concen: 303.861 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

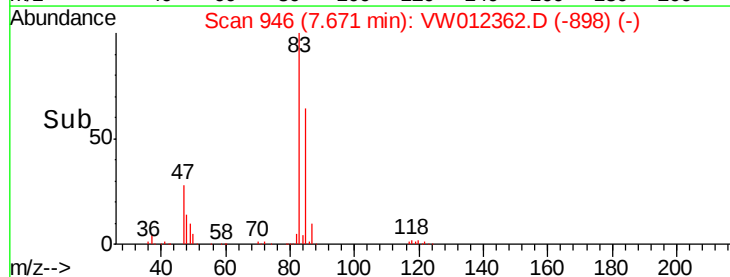
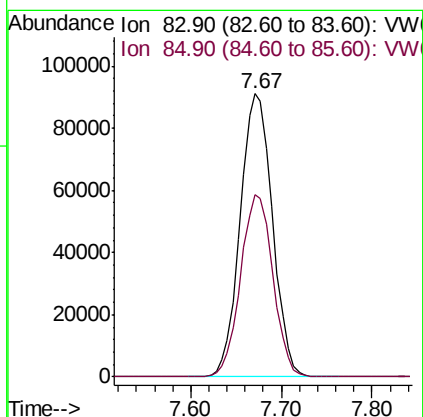
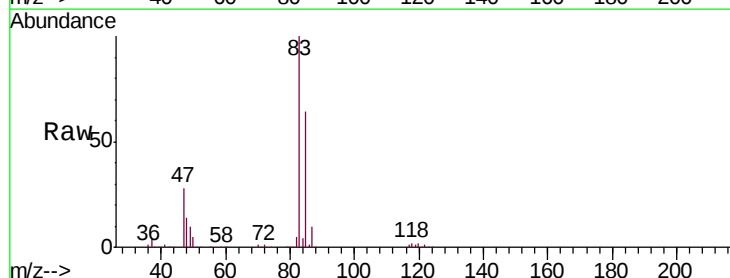
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

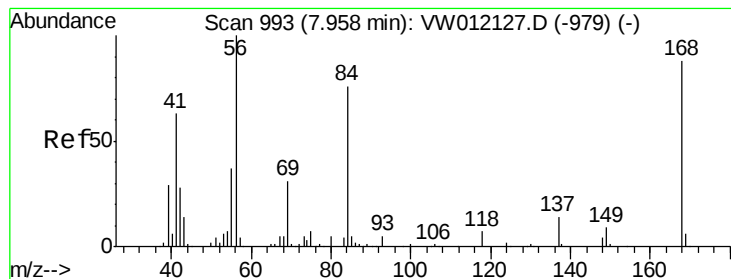
Tgt Ion: 42 Resp: 157086
Ion Ratio Lower Upper
42 100
72 34.0 27.3 40.9
71 31.8 25.5 38.3



#30
Chloroform
Concen: 54.384 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion: 83 Resp: 224704
Ion Ratio Lower Upper
83 100
85 64.4 50.6 76.0





#31

Cyclohexane

Concen: 47.957 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

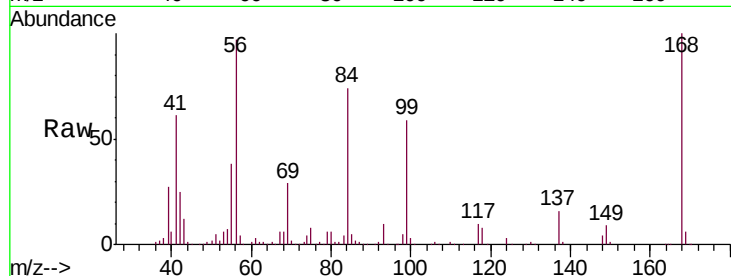
Tgt Ion: 56 Resp: 214277

Ion Ratio Lower Upper

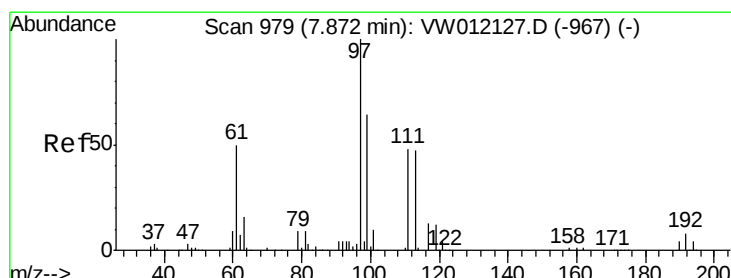
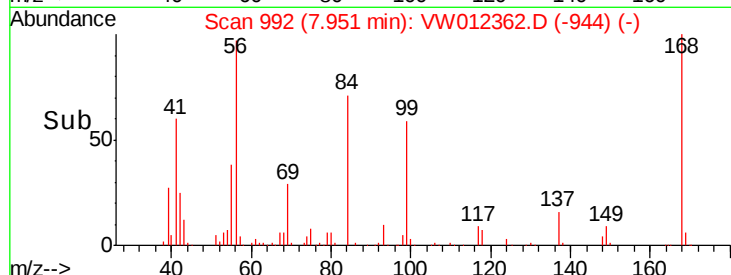
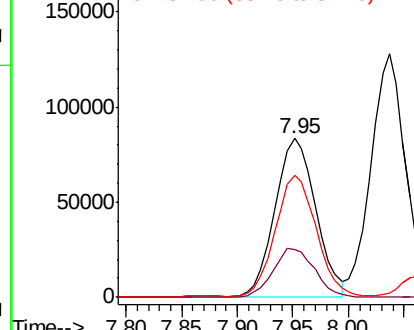
56 100

69 30.0 24.9 37.3

84 75.4 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 54.197 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

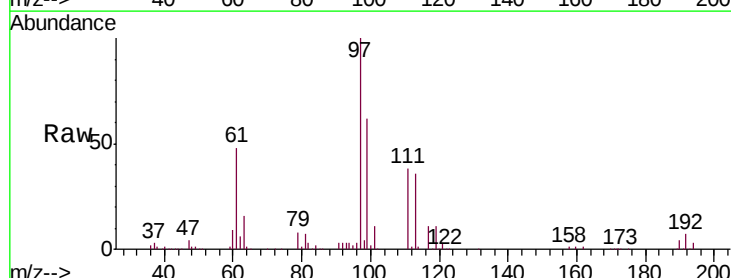
Tgt Ion: 97 Resp: 177148

Ion Ratio Lower Upper

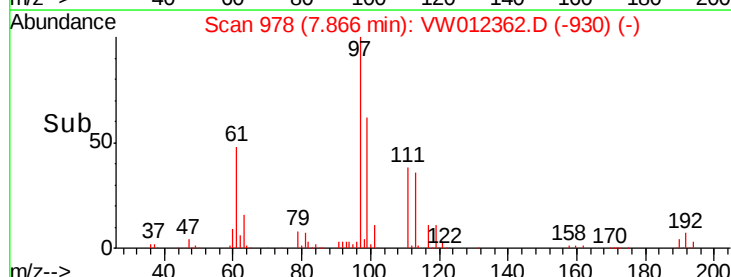
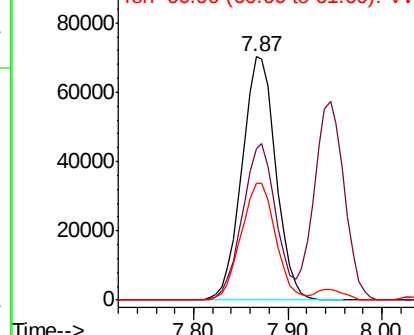
97 100

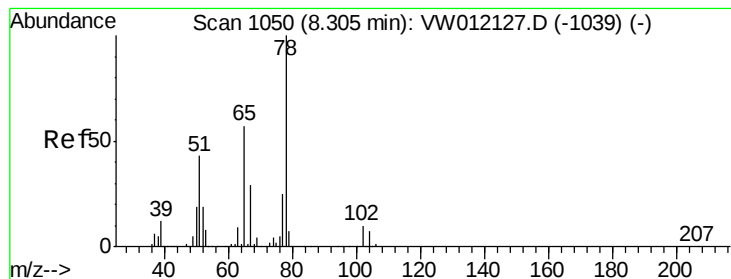
99 64.1 51.4 77.0

61 49.1 39.5 59.3



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





#33

1,2-Dichloroethane-d4

Concen: 51.816 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

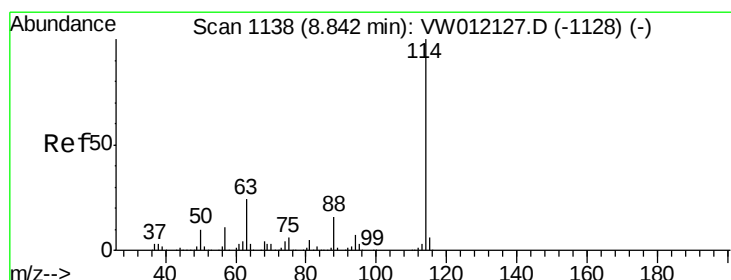
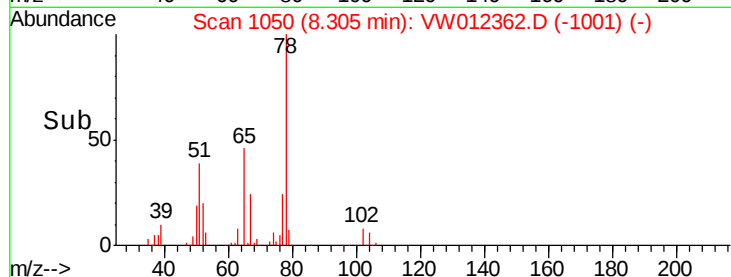
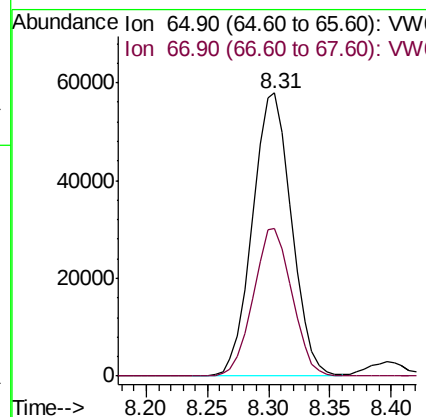
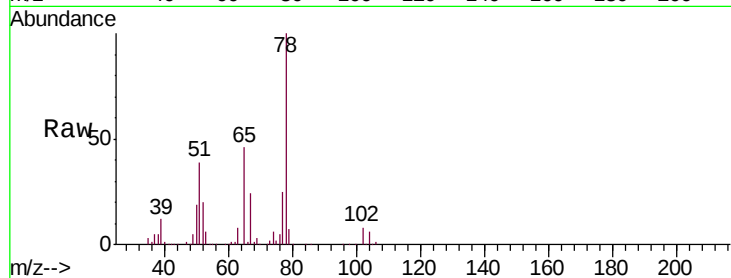
VSTDCCC050EC

Tgt Ion: 65 Resp: 128536

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

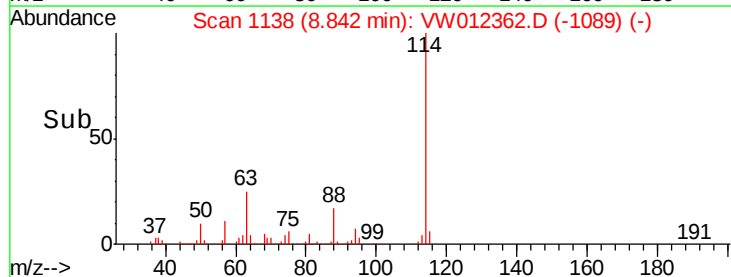
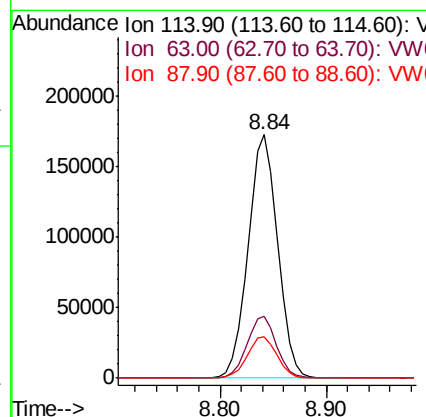
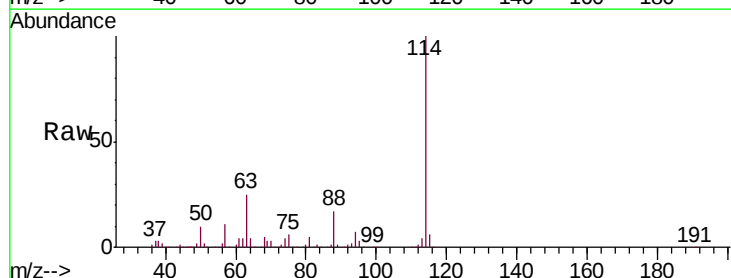
Tgt Ion: 114 Resp: 336692

Ion Ratio Lower Upper

114 100

63 25.3 0.0 48.6

88 16.9 0.0 32.2

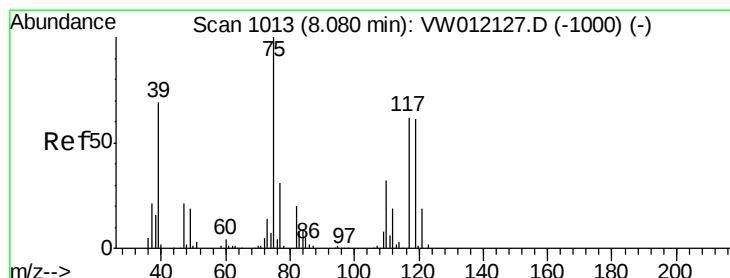
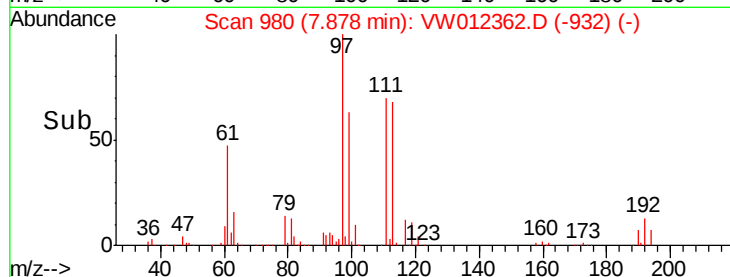
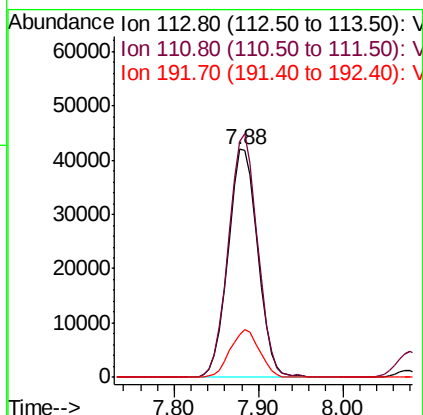
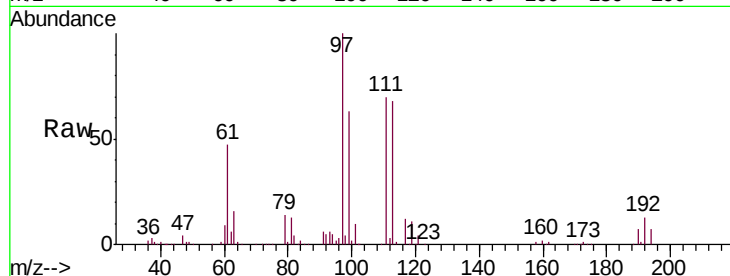




#35
 Dibromofluoromethane
 Concen: 49.943 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

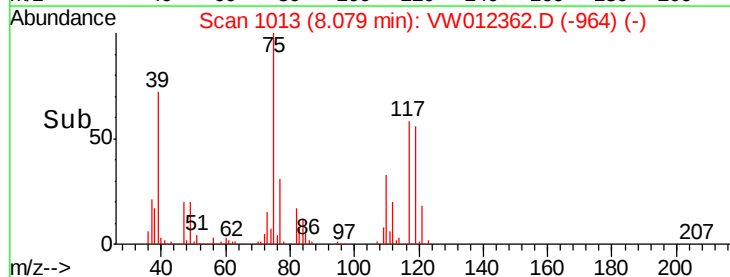
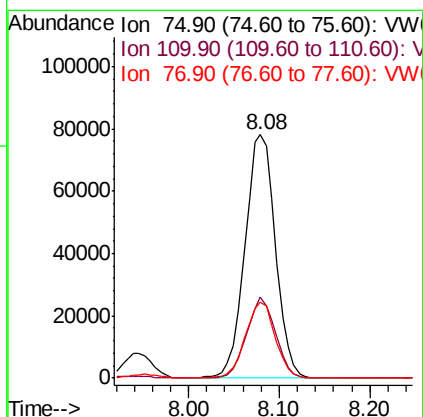
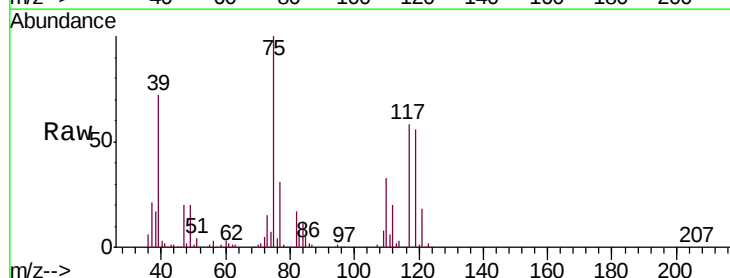
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

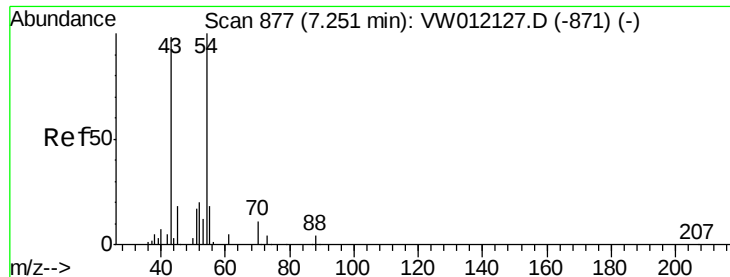
Tgt Ion: 113 Resp: 100371
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.7 124.1
 192 20.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 52.234 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion: 75 Resp: 181738
 Ion Ratio Lower Upper
 75 100
 110 31.5 15.6 46.8
 77 30.7 24.6 36.8

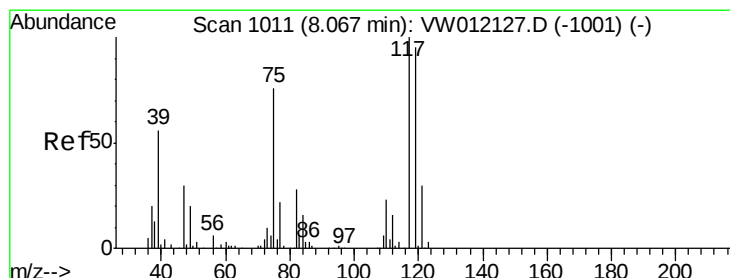
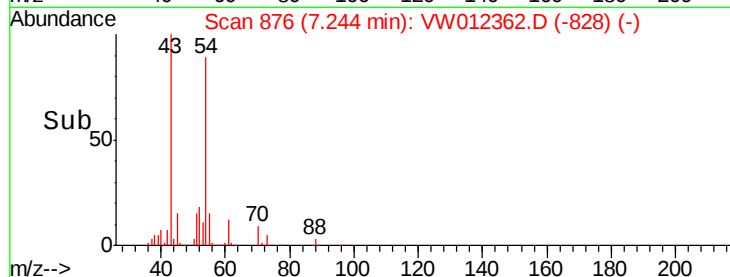
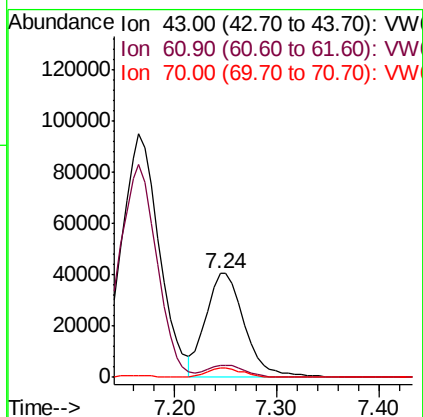
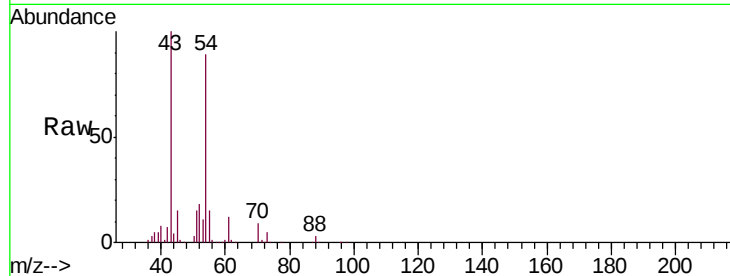




#37
Ethyl Acetate
Concen: 55.681 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

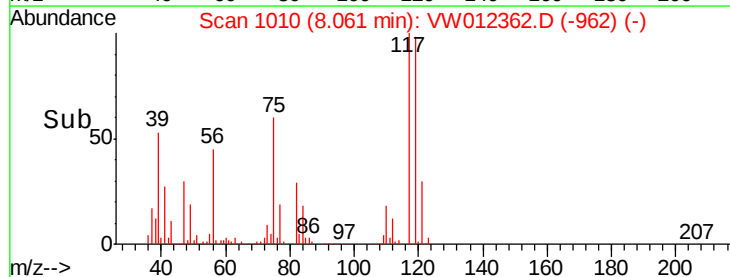
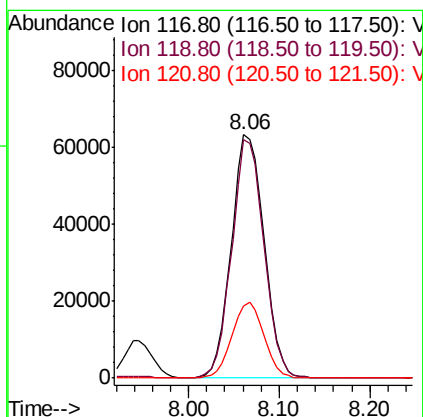
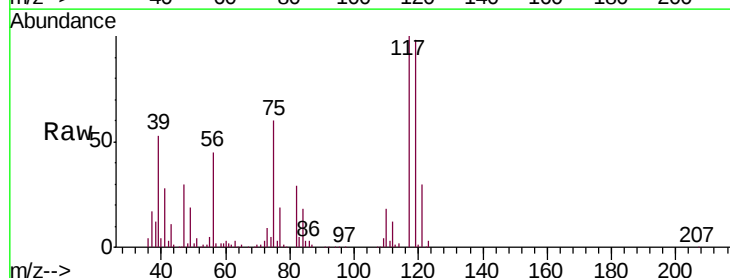
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

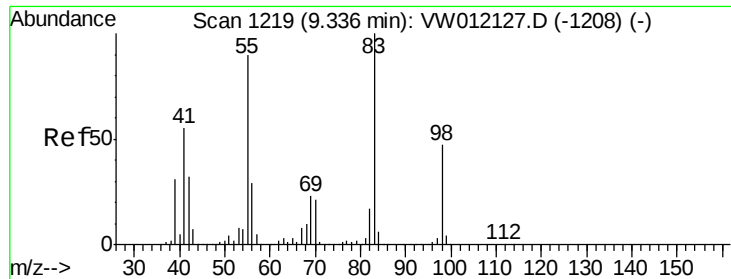
Tgt Ion: 43 Resp: 106162
Ion Ratio Lower Upper
43 100
61 11.2 9.2 13.8
70 8.7 6.9 10.3



#38
Carbon Tetrachloride
Concen: 52.816 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion: 117 Resp: 159053
Ion Ratio Lower Upper
117 100
119 98.0 76.2 114.2
121 29.7 23.8 35.8

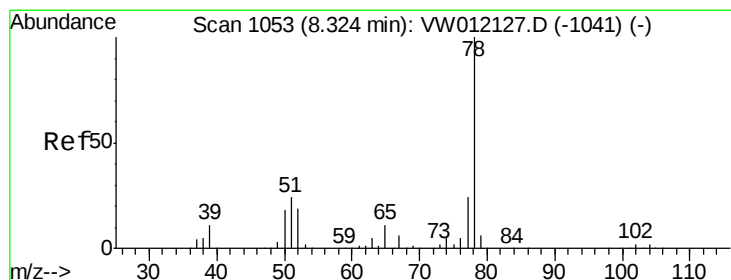
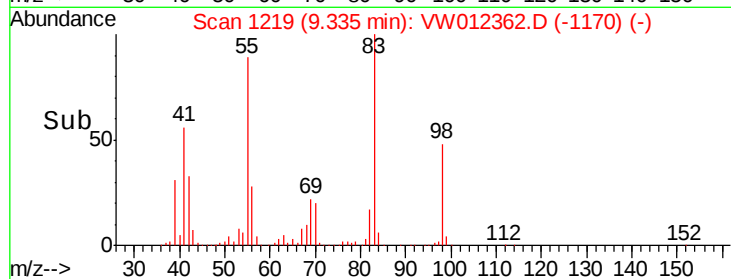
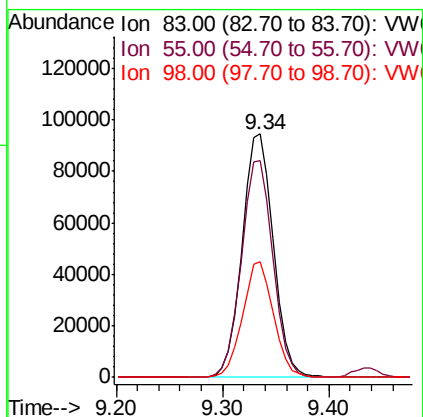
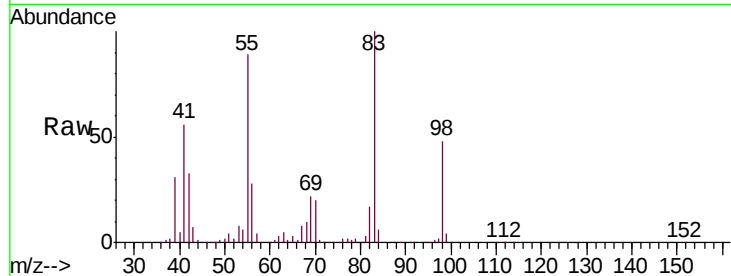




#39
Methylcyclohexane
Concen: 49.853 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

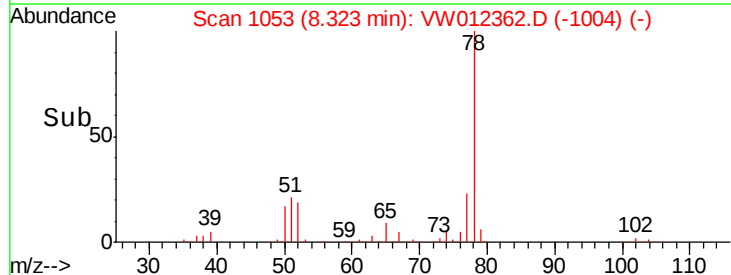
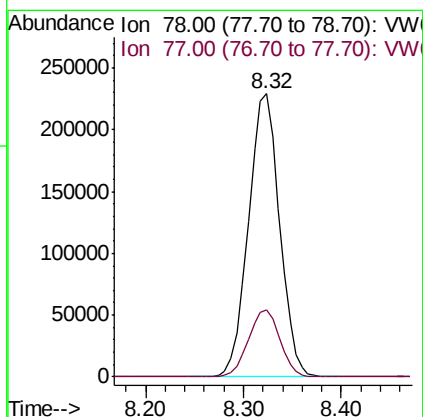
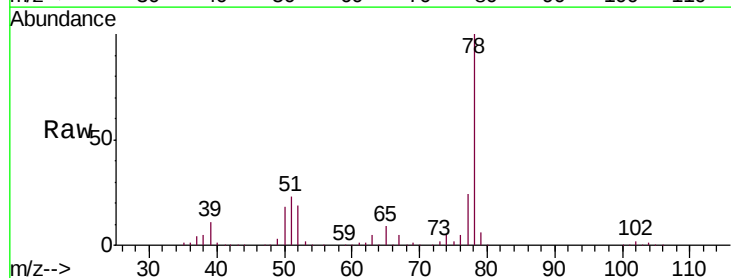
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 194864
Ion Ratio Lower Upper
83 100
55 88.9 71.8 107.8
98 47.6 37.8 56.8



#40
Benzene
Concen: 53.254 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion: 78 Resp: 505942
Ion Ratio Lower Upper
78 100
77 23.5 19.5 29.3

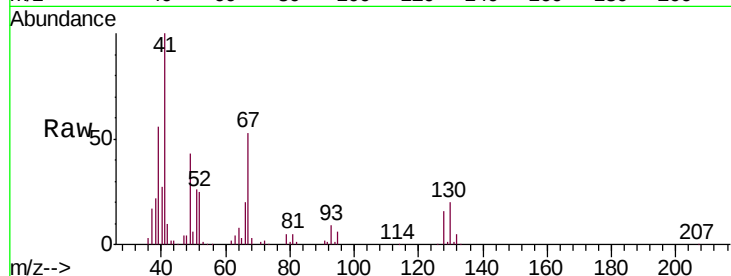




#41
Methacrylonitrile
Concen: 59.943 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	67171
Ion	Ratio	Lower	Upper
41	100		
39	54.3	45.8	68.8
67	54.8	46.2	69.4
52	25.3	21.0	31.6



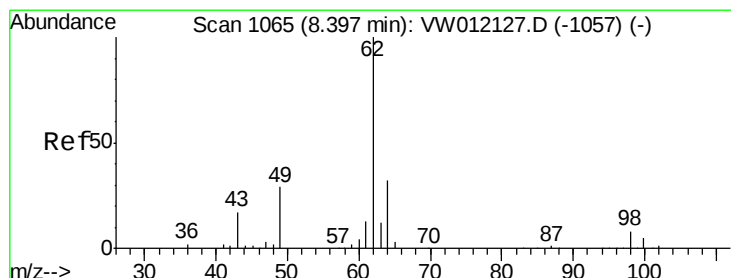
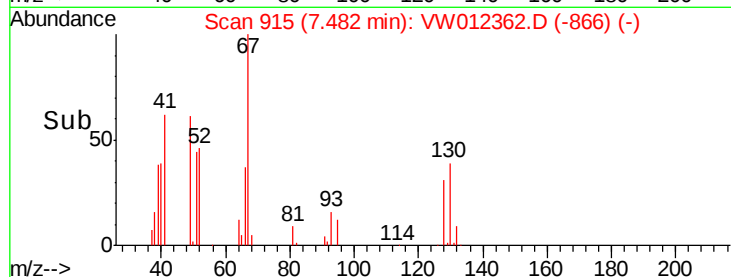
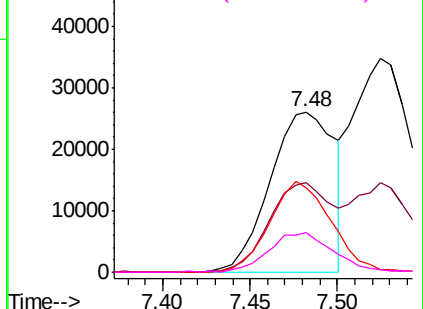
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

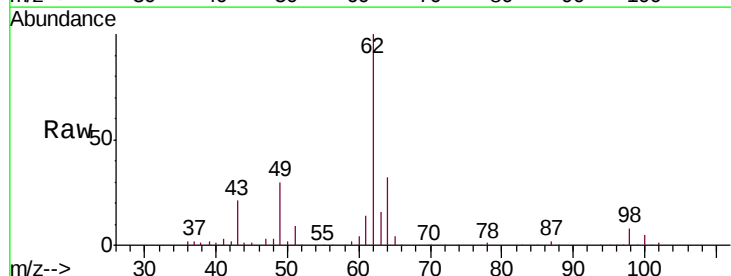
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 54.517 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

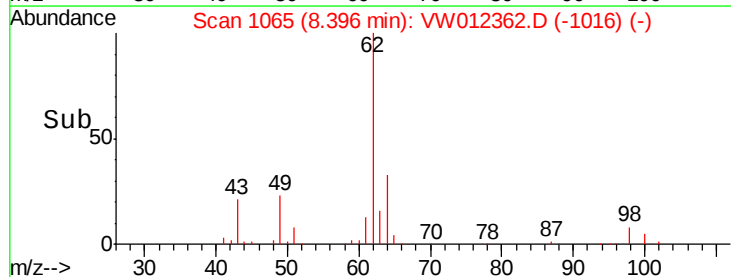
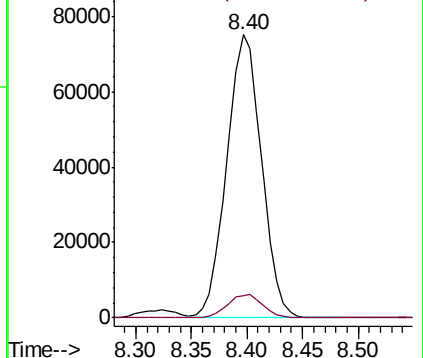
Tgt Ion:	62	Resp:	162328
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6

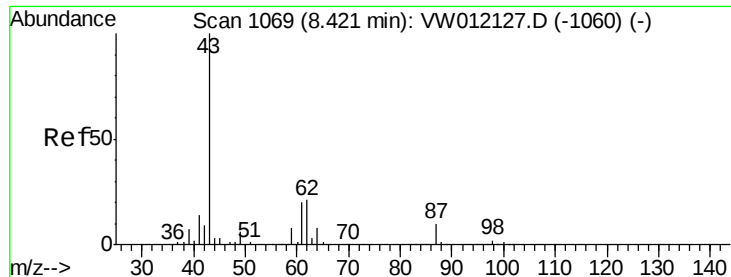


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 56.733 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

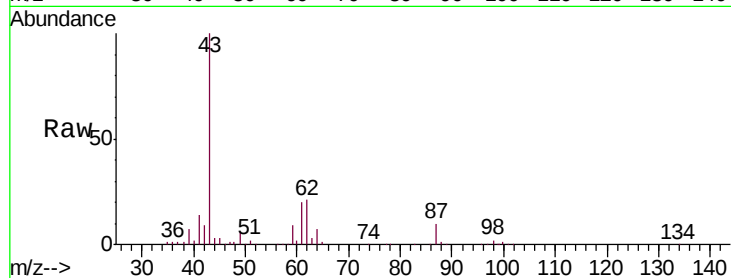
Tgt Ion: 43 Resp: 200362

Ion Ratio Lower Upper

43 100

61 26.3 21.1 31.7

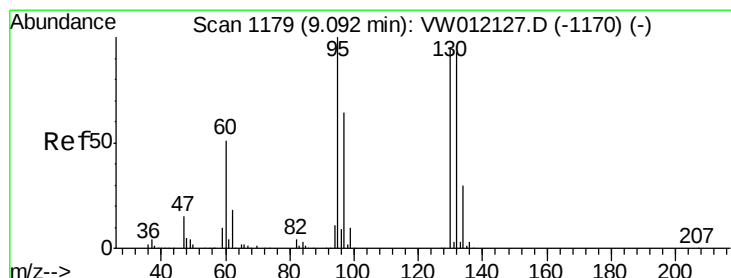
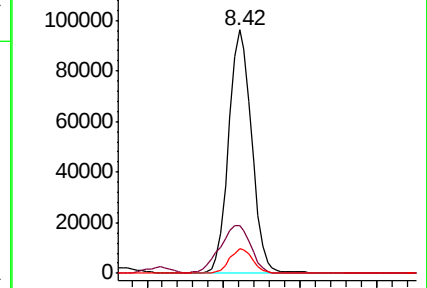
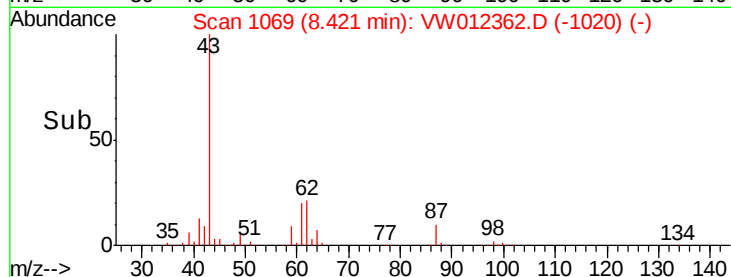
87 10.2 8.2 12.2



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: 53.054 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012362.D

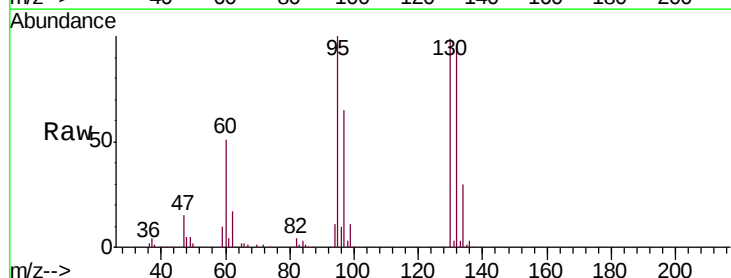
Acq: 30 Aug 2019 20:26

Tgt Ion: 130 Resp: 122530

Ion Ratio Lower Upper

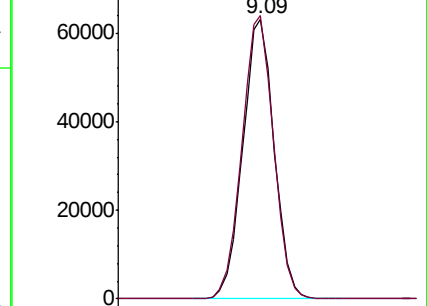
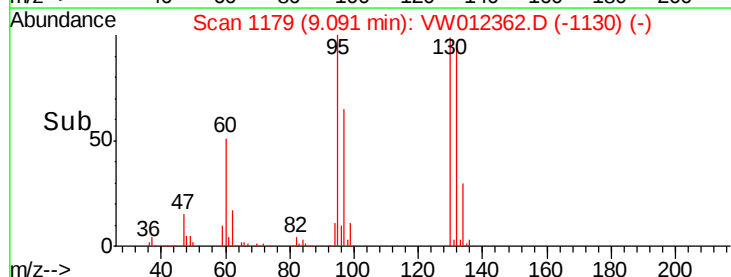
130 100

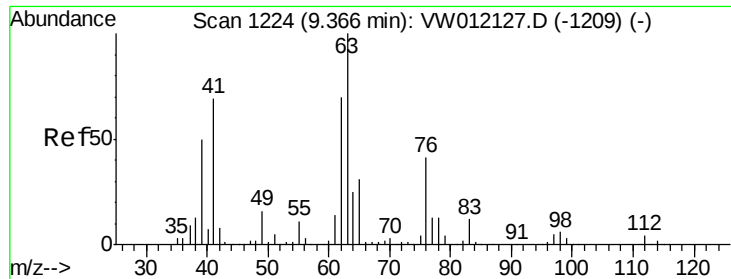
95 101.2 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

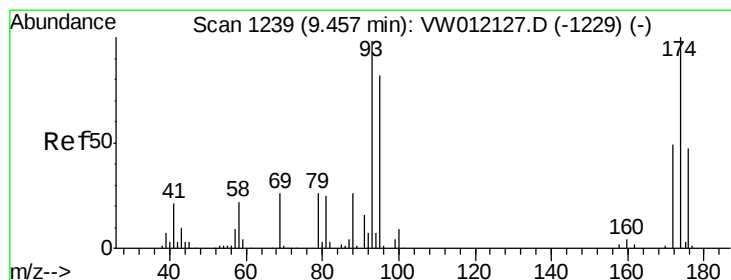
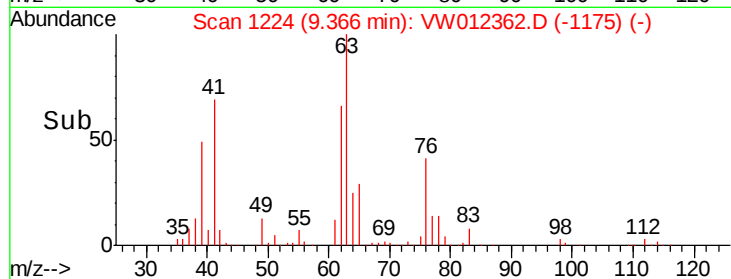
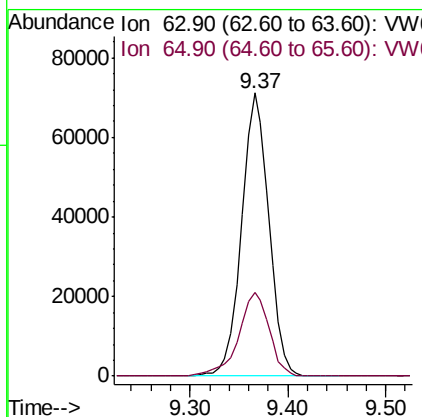
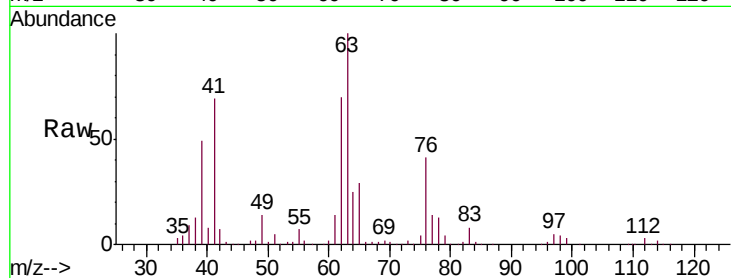




#45
 1,2-Dichloropropane
 Concen: 53.685 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

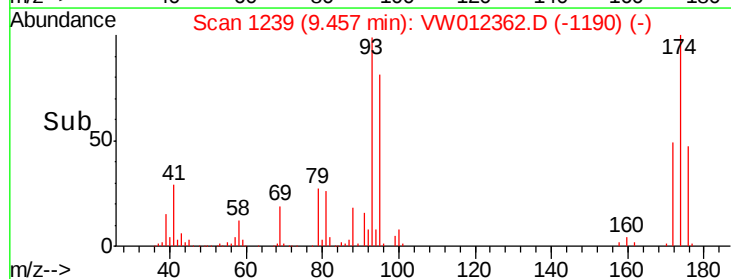
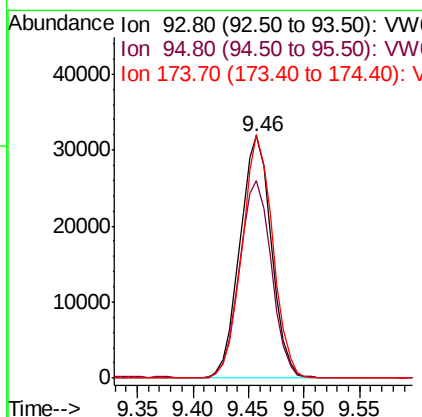
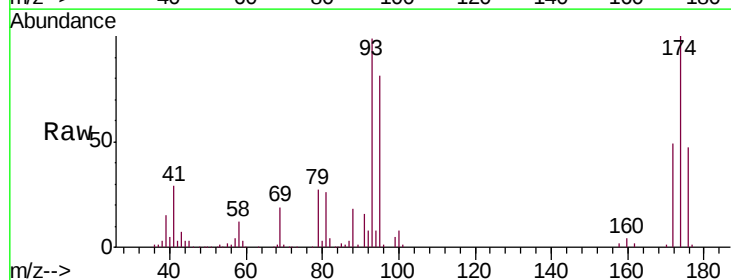
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 137266
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.0 37.4



#46
 Dibromomethane
 Concen: 54.842 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion: 93 Resp: 62390
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.2 100.8
 174 98.5 79.0 118.6





#47

Bromodichloromethane

Concen: 54.546 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

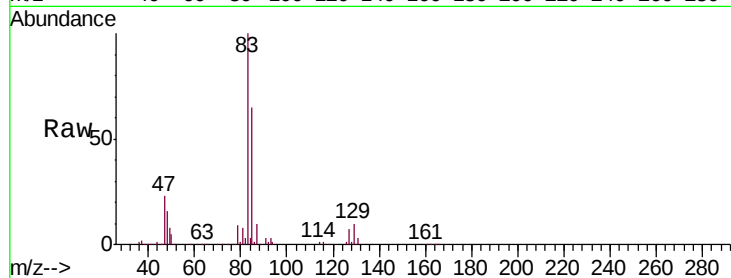
Tgt Ion: 83 Resp: 165150

Ion Ratio Lower Upper

83 100

85 65.0 49.4 74.2

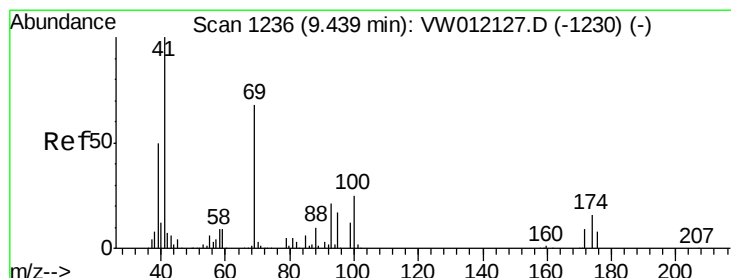
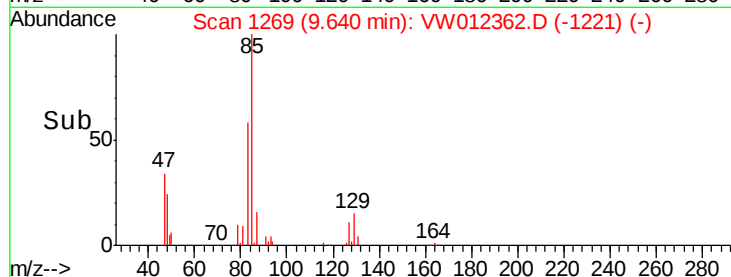
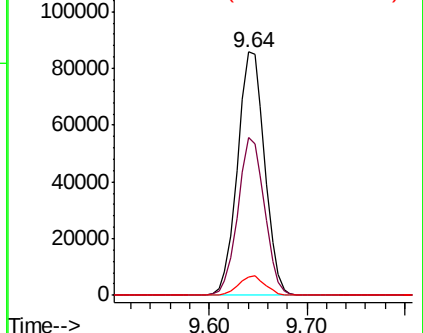
127 7.3 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 58.079 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

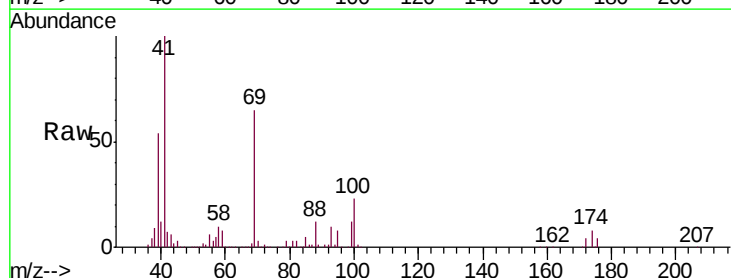
Tgt Ion: 41 Resp: 97624

Ion Ratio Lower Upper

41 100

69 70.9 56.7 85.1

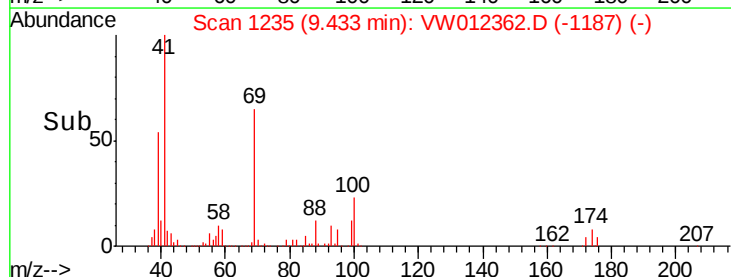
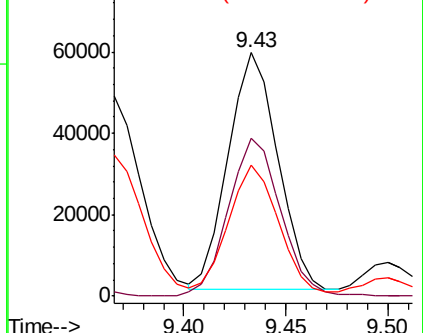
39 57.2 42.0 63.0

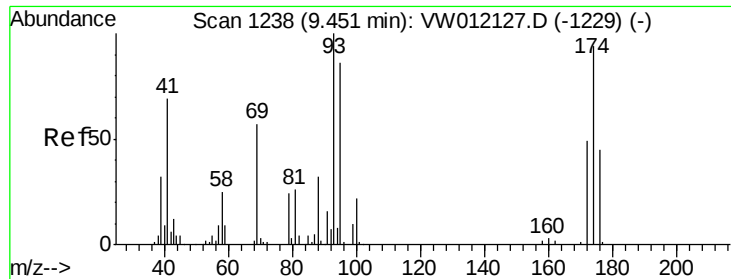


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

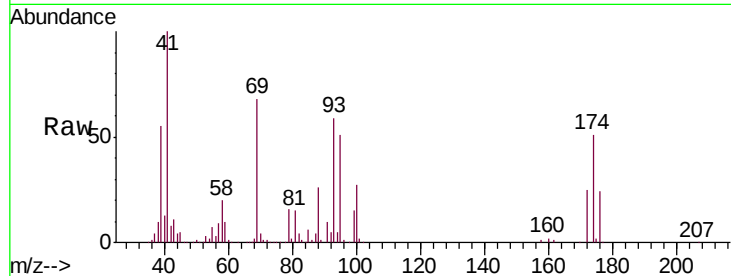




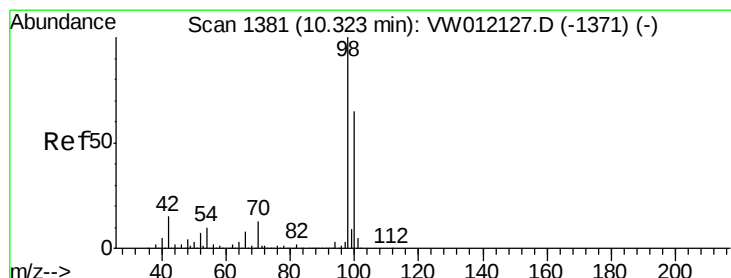
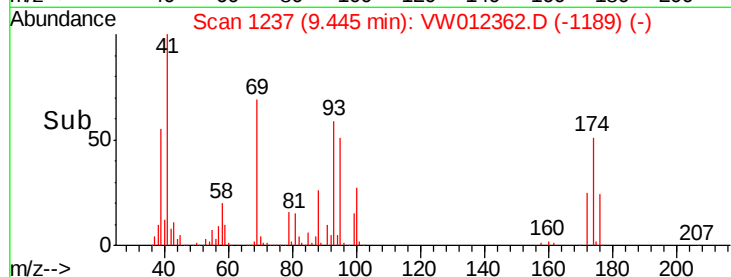
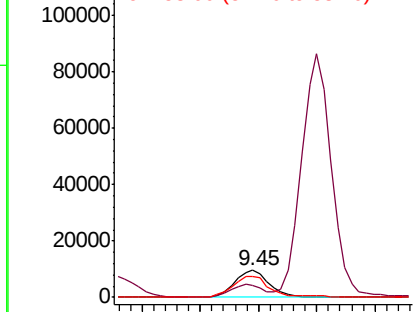
#49
1,4-Dioxane
Concen: 1146.657 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 19970
Ion Ratio Lower Upper
88 100
43 43.9 32.9 49.3
58 81.2 71.0 106.4

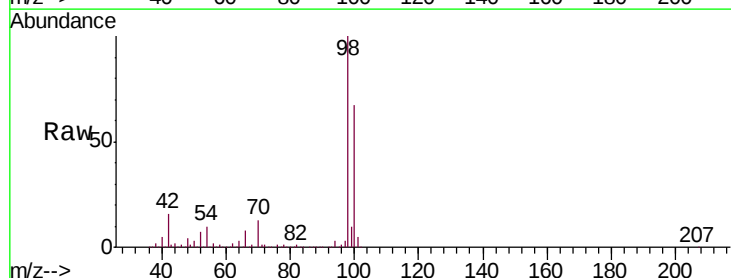


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

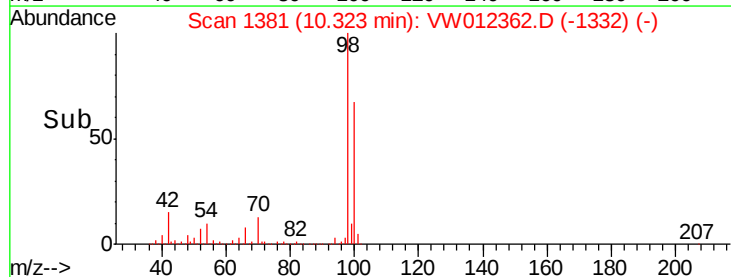
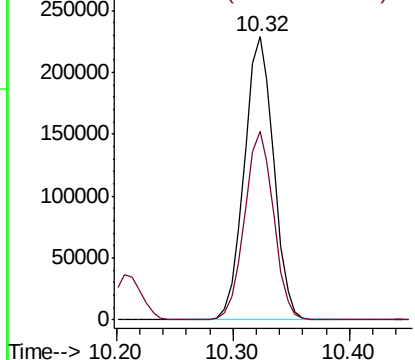


#50
Toluene-d8
Concen: 49.409 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion: 98 Resp: 402628
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



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

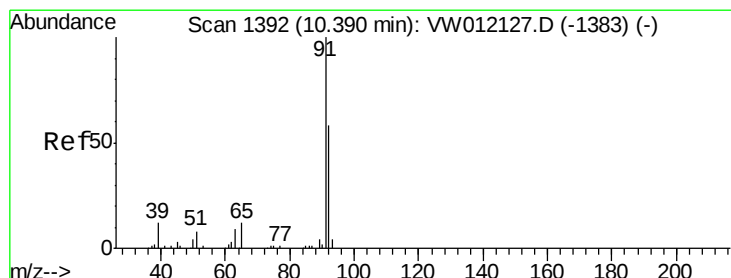
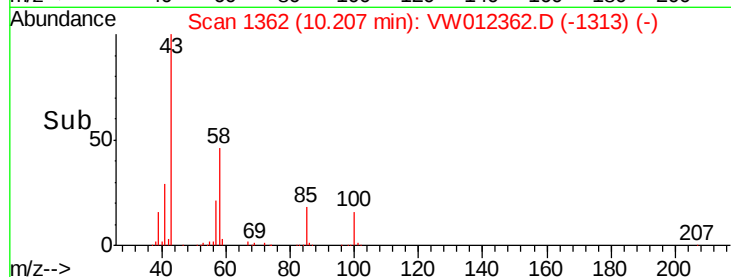
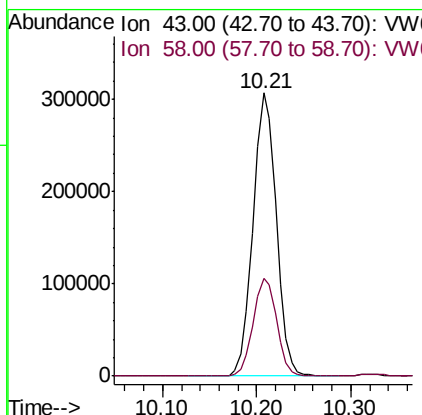
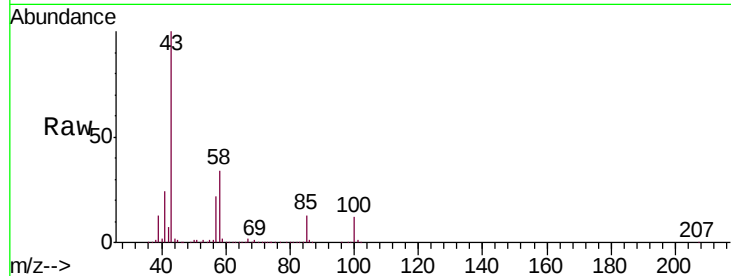




#51
 4-Methyl-2-Pentanone
 Concen: 295.553 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

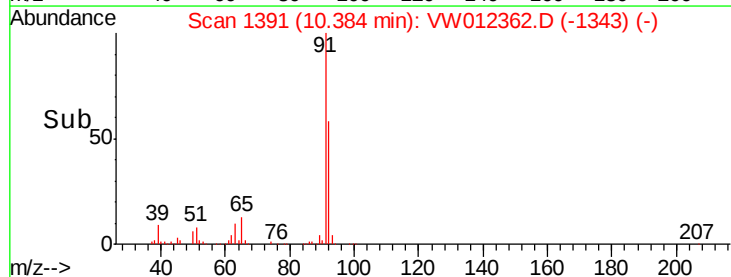
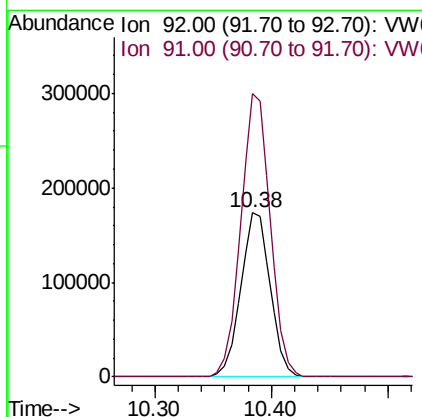
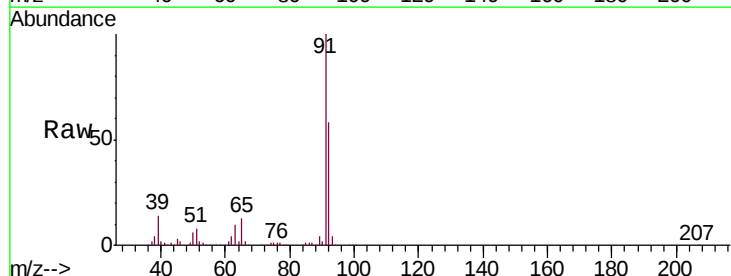
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 530904
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.2 42.2



#52
 Toluene
 Concen: 53.579 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion: 92 Resp: 305797
 Ion Ratio Lower Upper
 92 100
 91 172.4 136.6 204.8

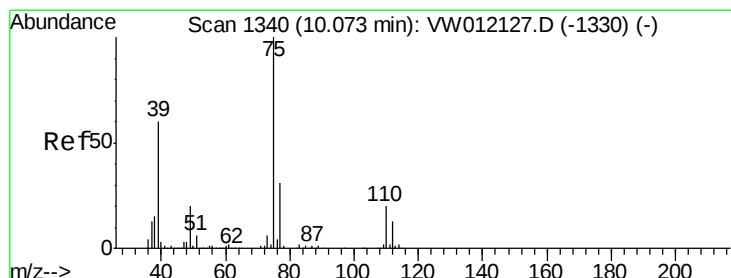
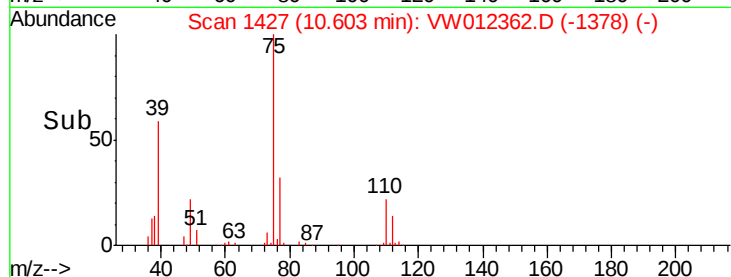
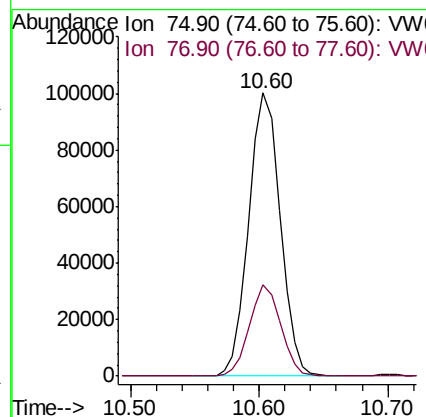
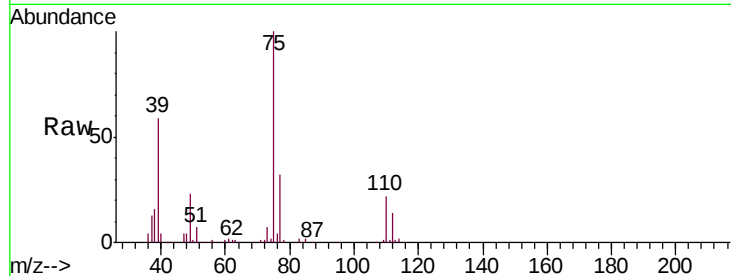




#53
 t-1,3-Dichloropropene
 Concen: 54.917 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

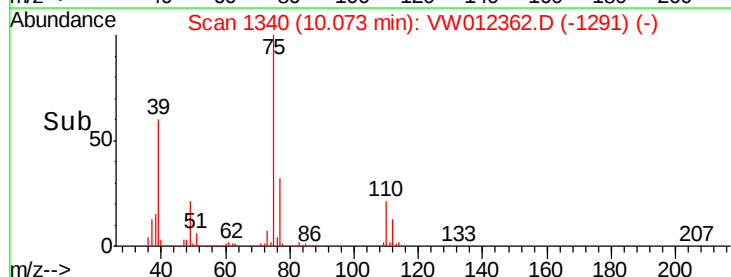
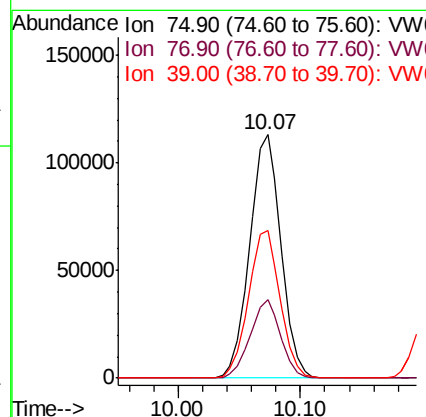
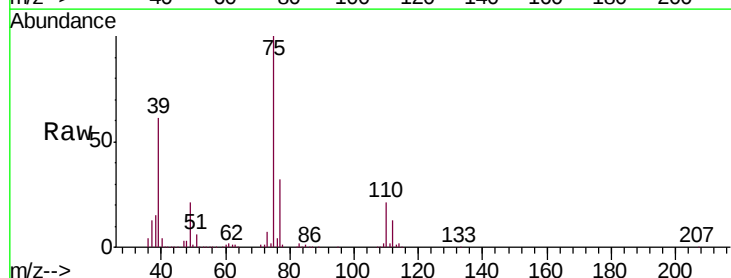
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

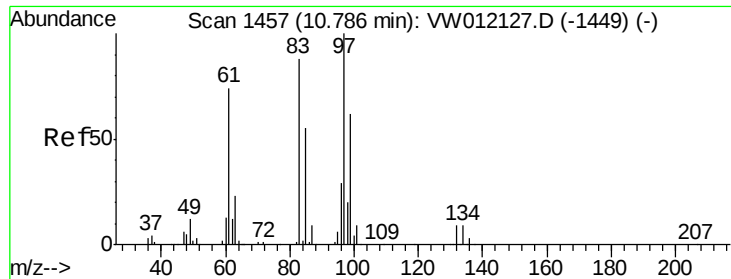
Tgt Ion: 75 Resp: 169370
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 54.019 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion: 75 Resp: 201161
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7
 39 60.5 48.3 72.5

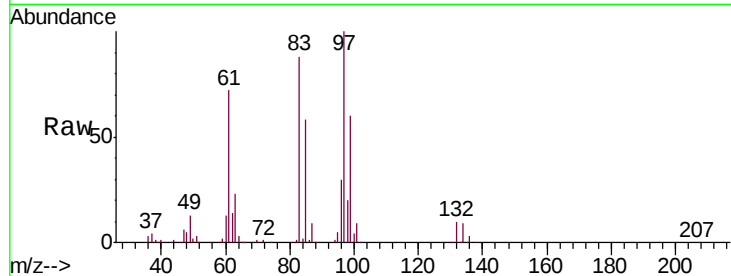




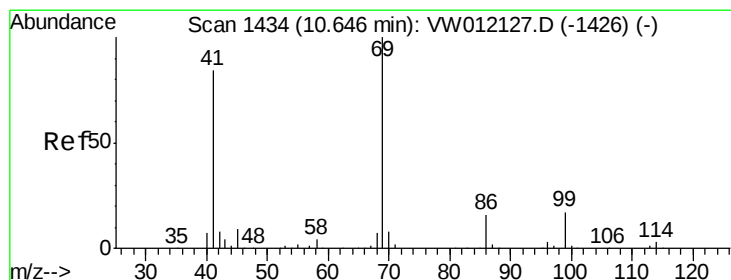
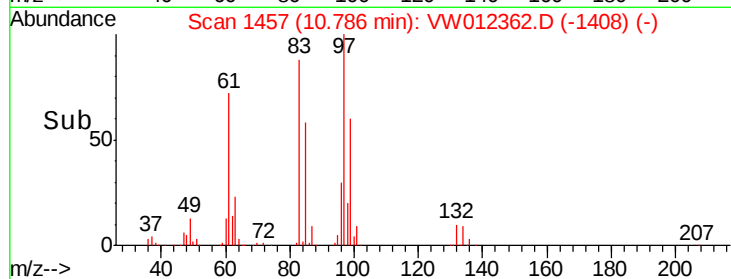
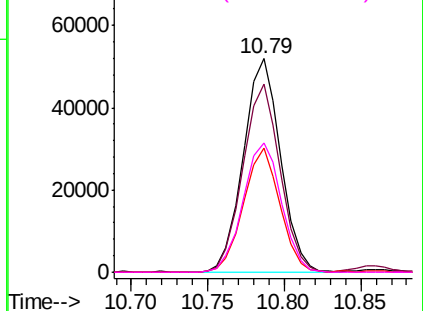
#55
 1,1,2-Trichloroethane
 Concen: 54.649 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	87963
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.8	106.2
85	57.9	43.8	65.8
99	60.3	49.8	74.6

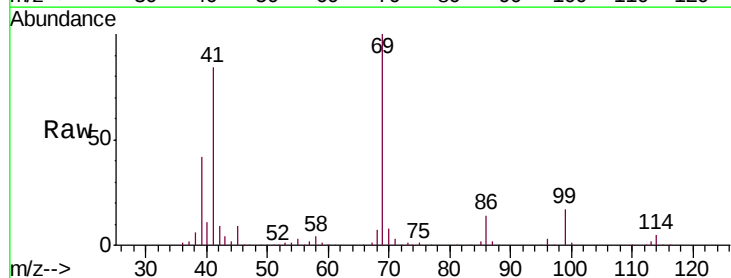


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

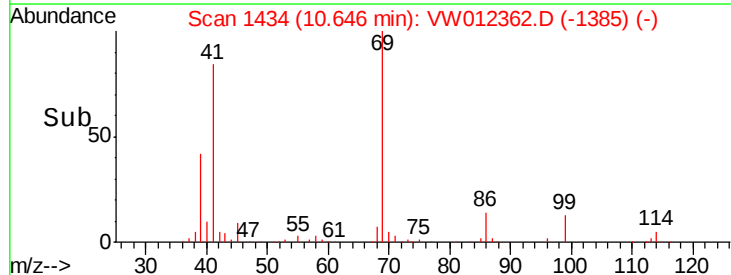
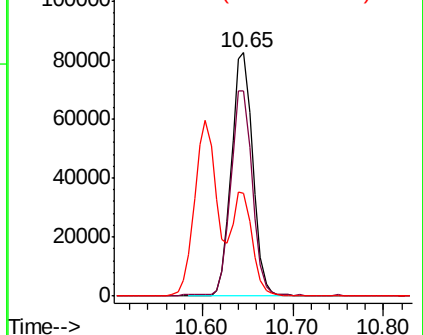


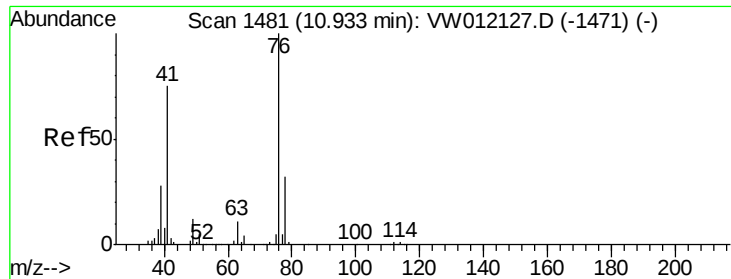
#56
 Ethyl methacrylate
 Concen: 57.700 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion:	69	Resp:	135170
Ion	Ratio	Lower	Upper
69	100		
41	84.5	66.5	99.7
39	37.9	31.0	46.4



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

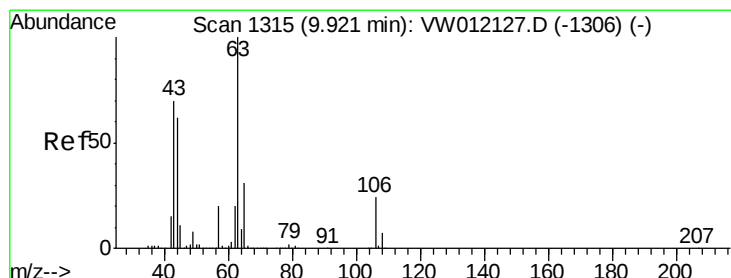
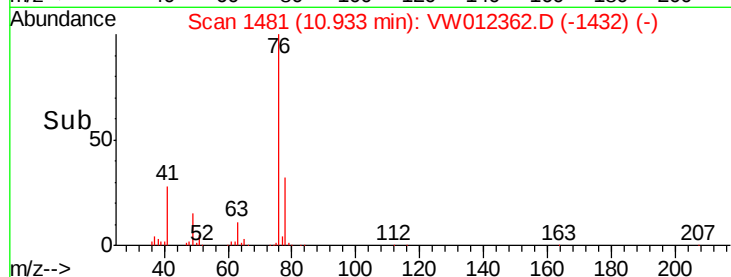
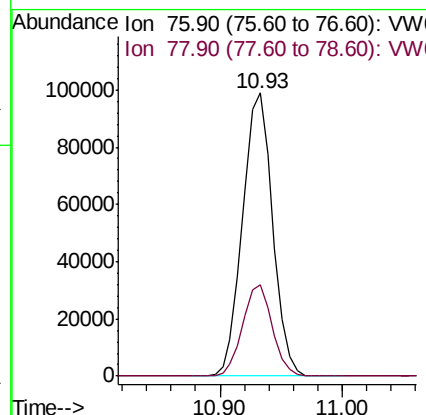
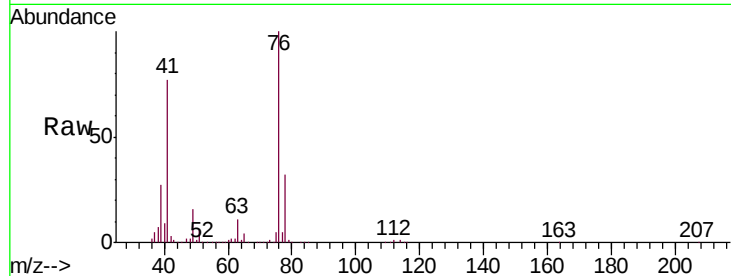




#57
 1,3-Dichloropropane
 Concen: 55.351 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

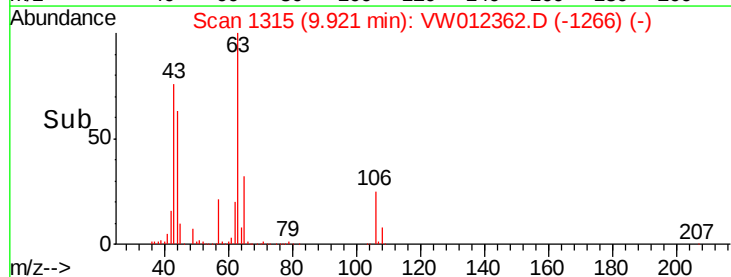
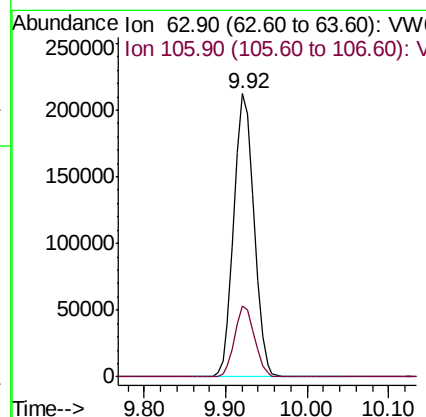
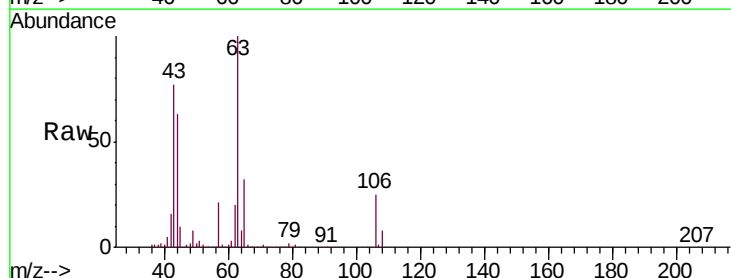
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 168362
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 299.182 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion: 63 Resp: 359704
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8

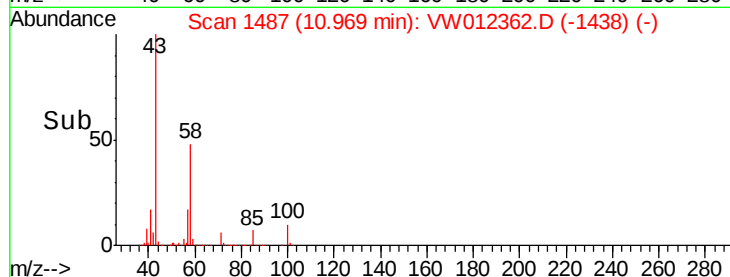
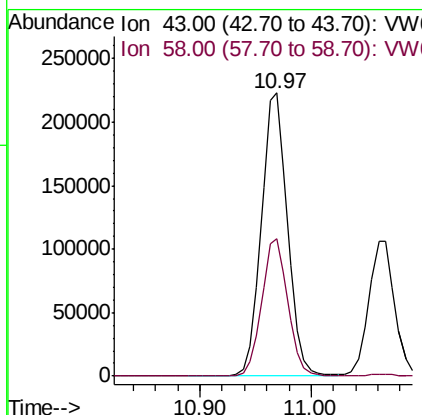
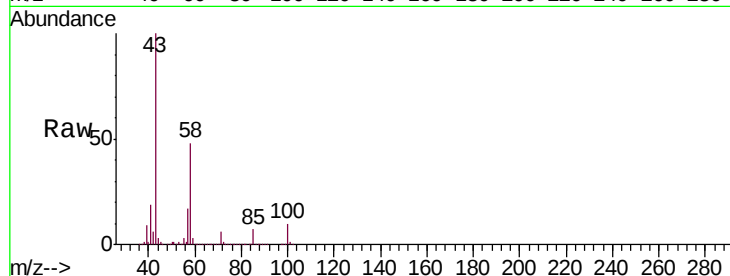




#59
2-Hexanone
Concen: 287.779 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

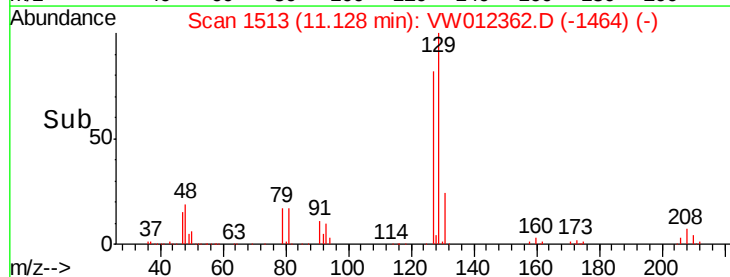
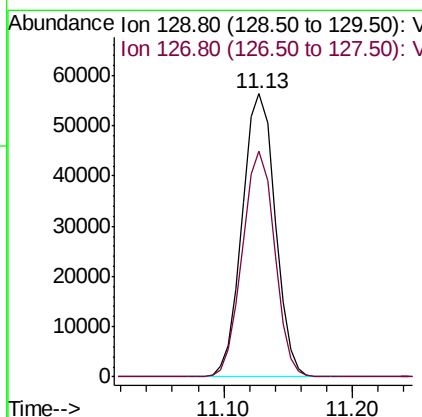
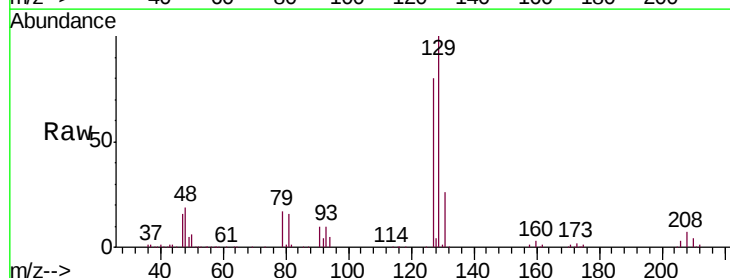
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 365768
Ion Ratio Lower Upper
43 100
58 48.5 24.3 72.9



#60
Dibromochloromethane
Concen: 55.756 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion: 129 Resp: 99960
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8

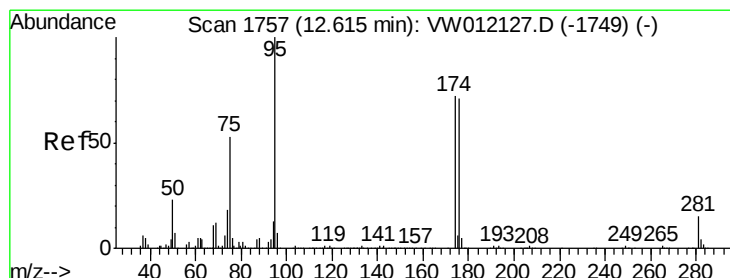
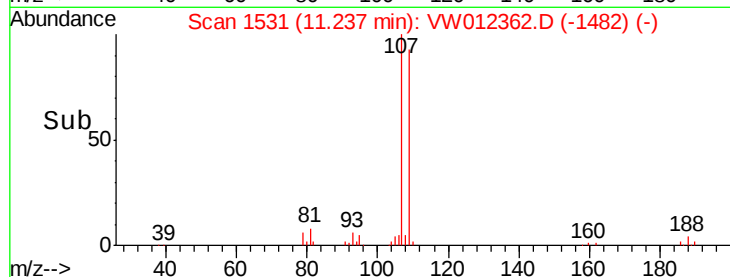
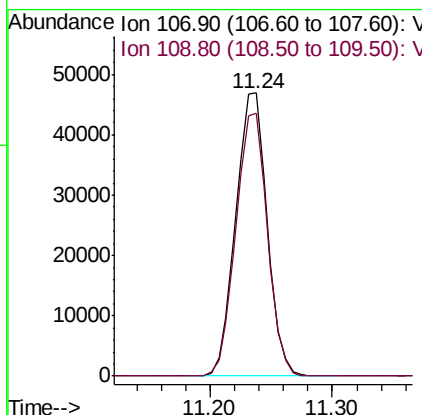
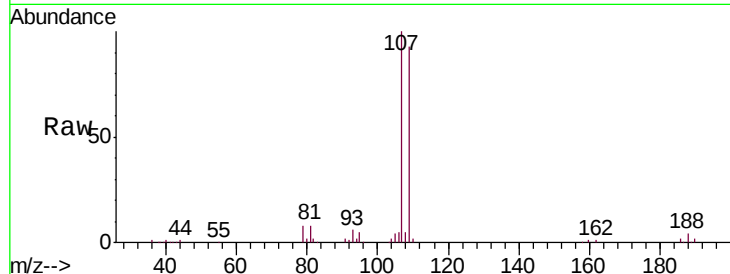




#61
 1,2-Dibromoethane
 Concen: 55.562 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

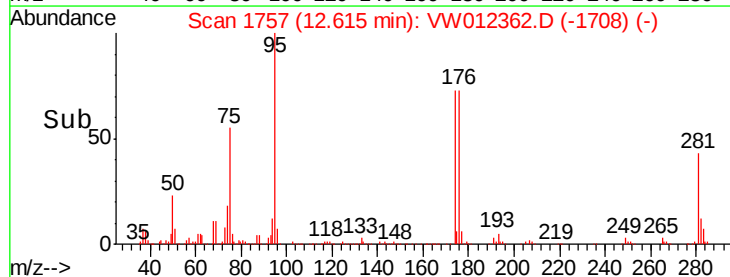
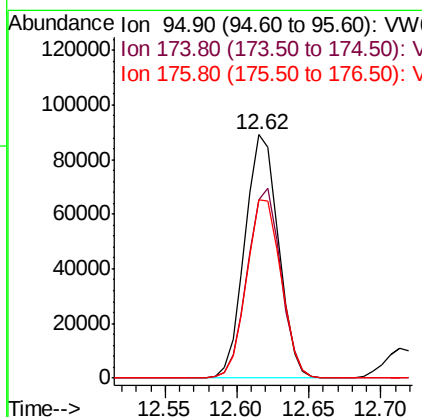
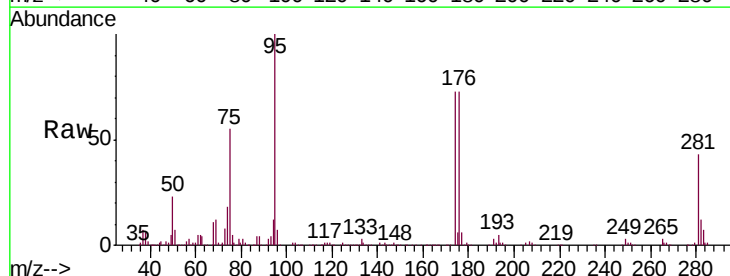
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

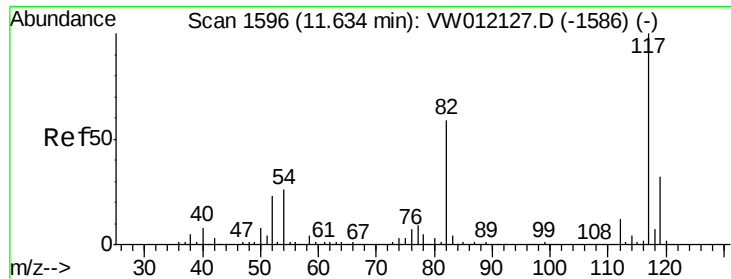
Tgt Ion: 107 Resp: 83318
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.109 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion: 95 Resp: 143937
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 150.8
 176 75.2 0.0 148.6

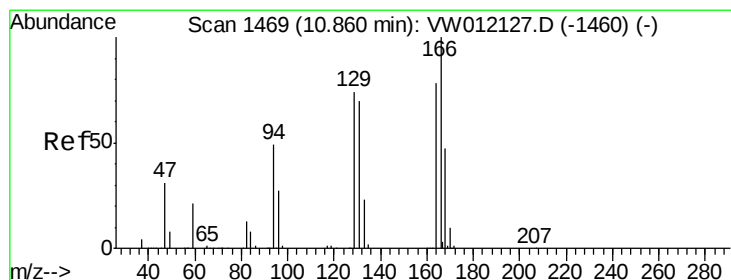
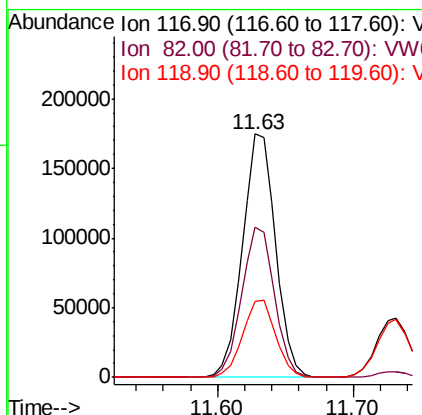
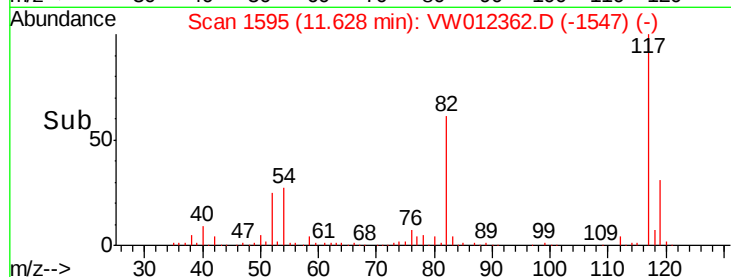
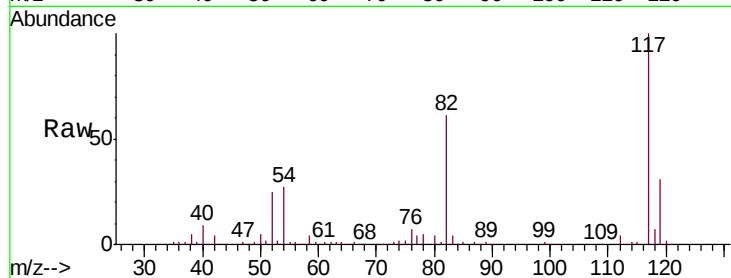




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

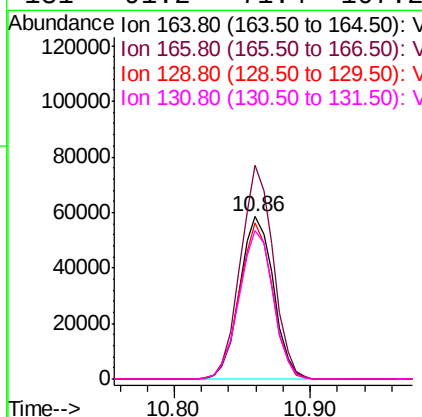
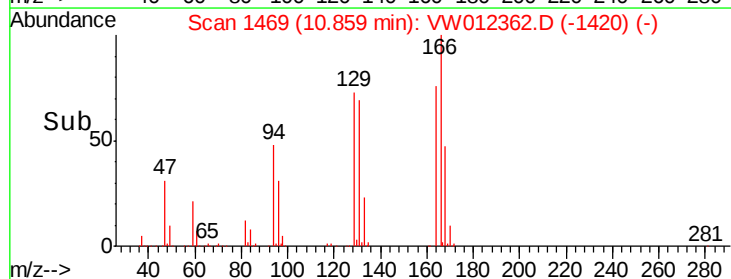
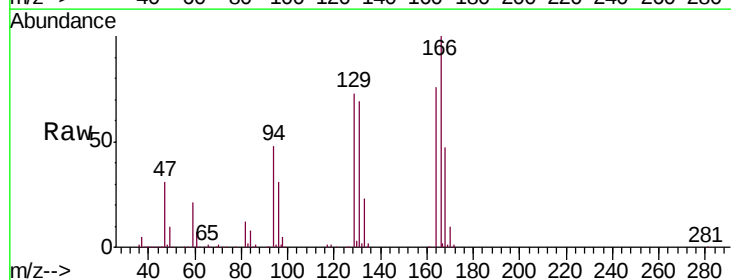
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

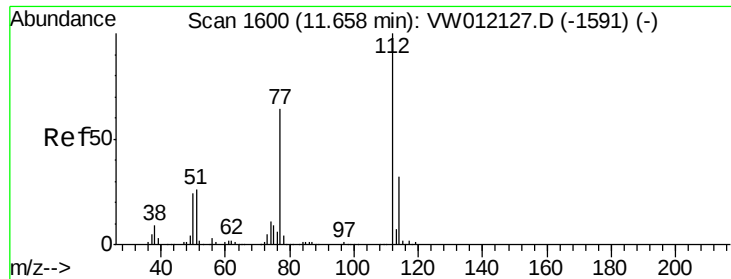
Tgt Ion:117 Resp: 296850
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 31.4 25.4 38.2



#64
Tetrachloroethene
Concen: 52.888 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion:164 Resp: 101786
Ion Ratio Lower Upper
164 100
166 131.7 102.4 153.6
129 96.2 75.8 113.6
131 91.2 71.4 107.2

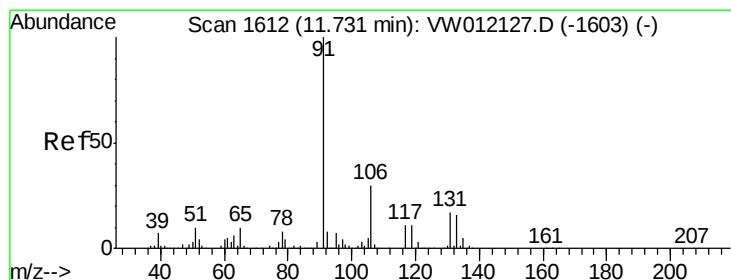
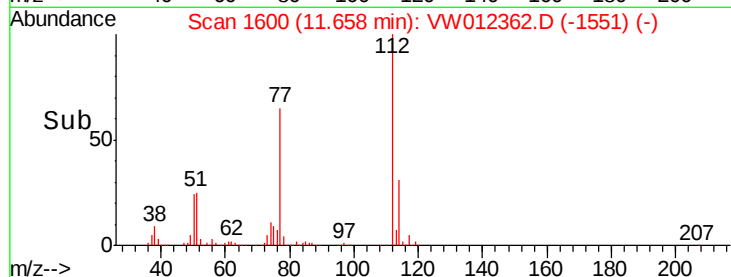
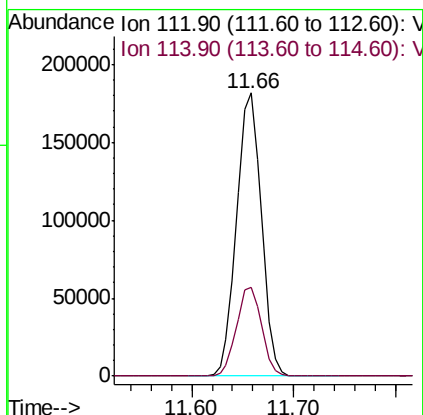
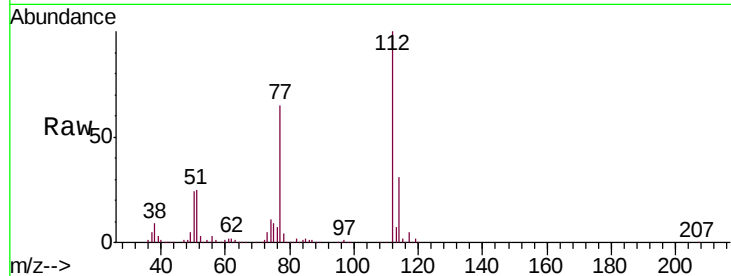




#65
Chlorobenzene
Concen: 52.207 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

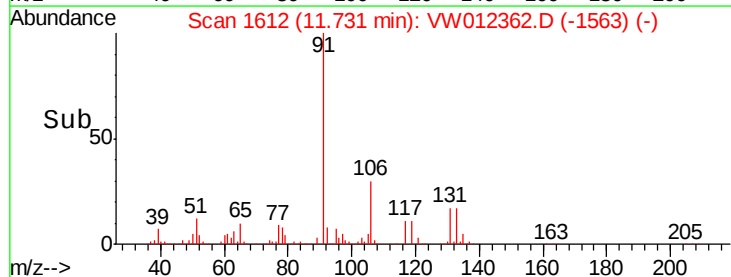
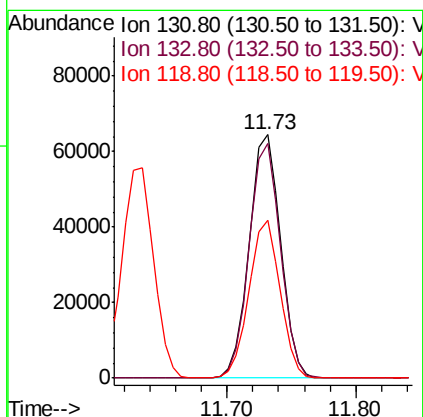
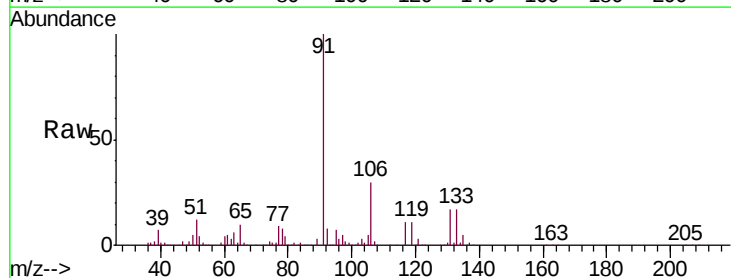
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 305162
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.073 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion:131 Resp: 108225
Ion Ratio Lower Upper
131 100
133 96.0 47.1 141.3
119 64.3 31.8 95.3

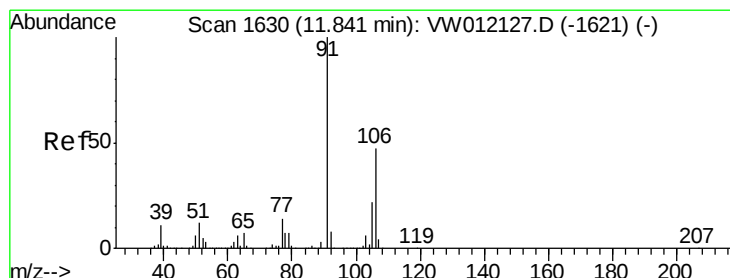
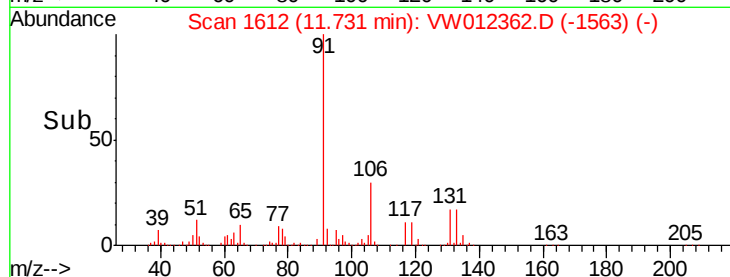
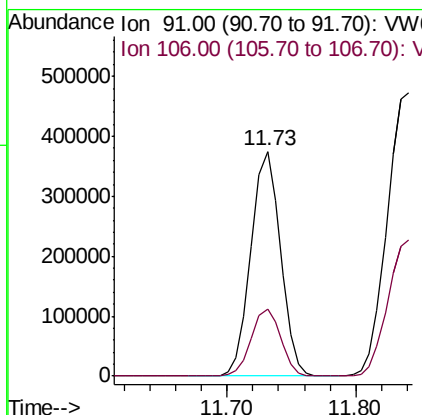
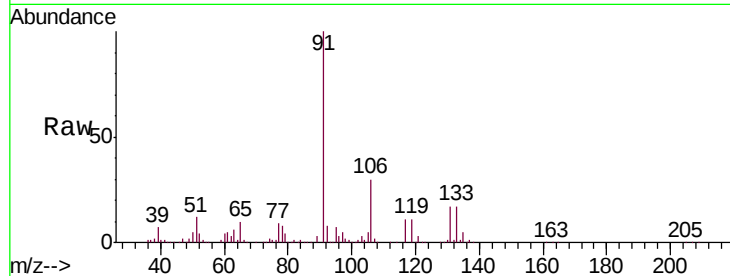




#67
Ethyl Benzene
Concen: 52.768 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

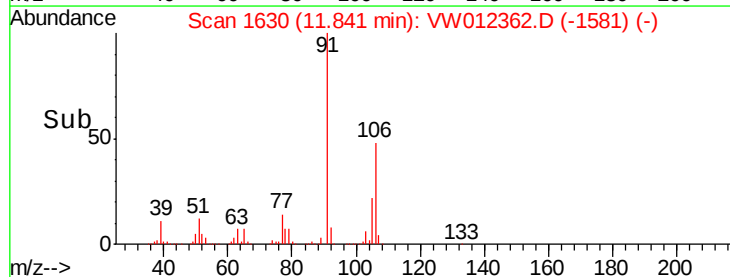
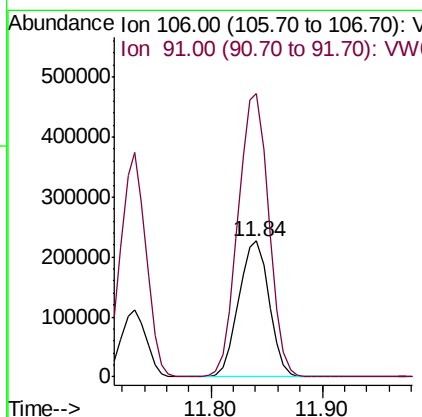
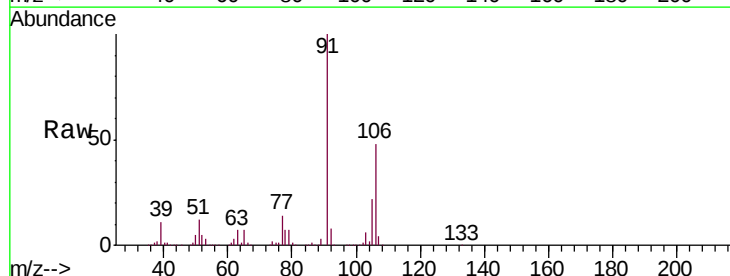
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 594161
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5



#68
m/p-Xylenes
Concen: 105.953 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion: 106 Resp: 429737
Ion Ratio Lower Upper
106 100
91 210.7 169.5 254.3

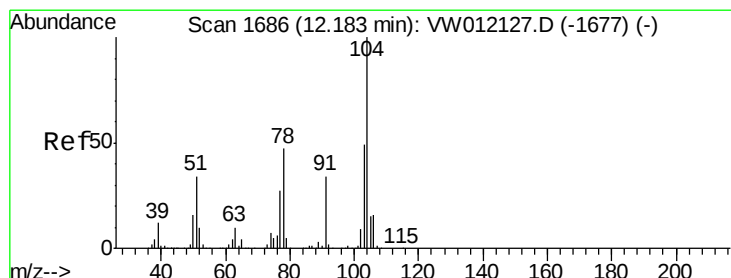
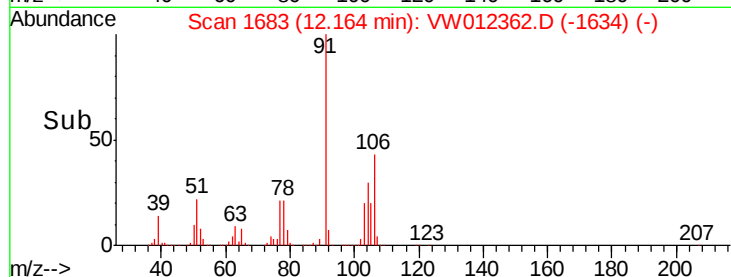
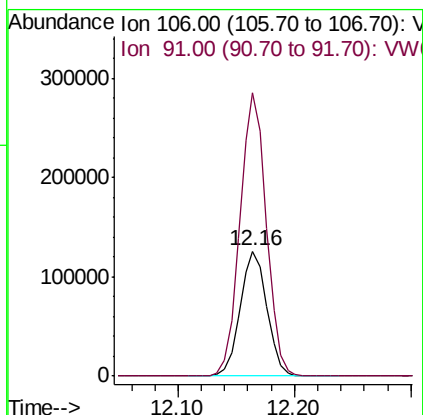
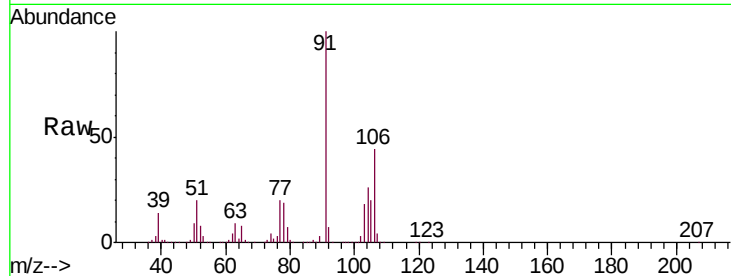




#69
o-Xylene
Concen: 53.569 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

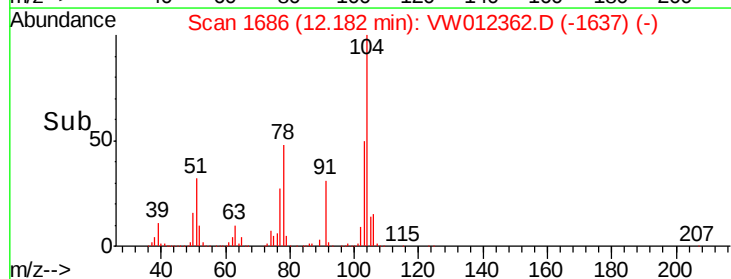
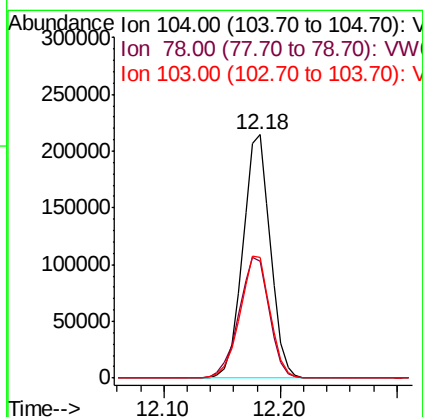
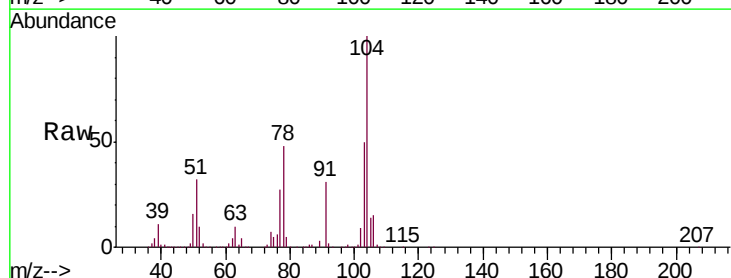
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

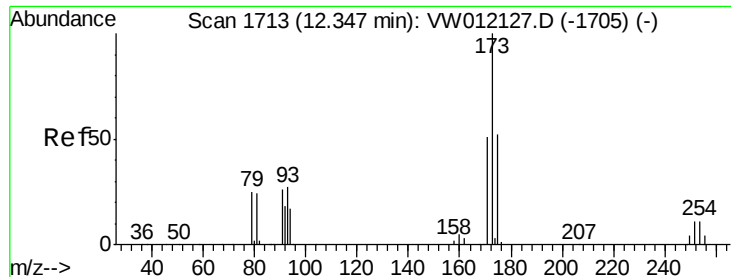
Tgt Ion:106 Resp: 201092
Ion Ratio Lower Upper
106 100
91 223.6 111.6 334.6



#70
Styrene
Concen: 54.252 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion:104 Resp: 352510
Ion Ratio Lower Upper
104 100
78 54.7 43.1 64.7
103 54.6 43.5 65.3





#71

Bromoform

Concen: 56.376 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

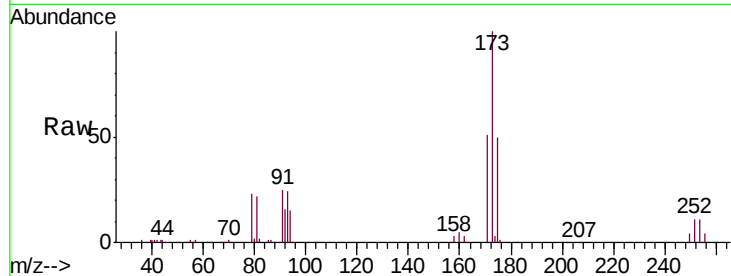
Tgt Ion:173 Resp: 57276

Ion Ratio Lower Upper

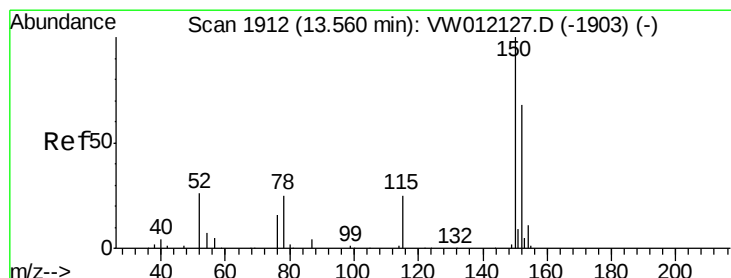
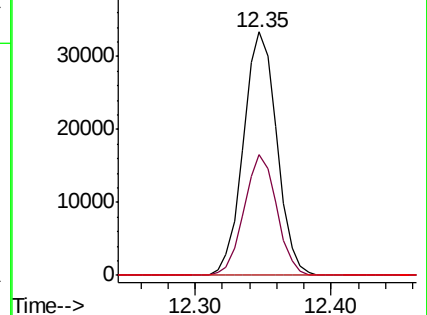
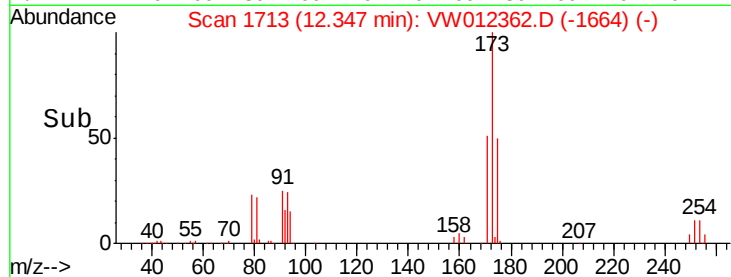
173 100

175 48.2 24.6 74.0

254 0.1 0.2 0.2#



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: VW012362.D

Acq: 30 Aug 2019 20:26

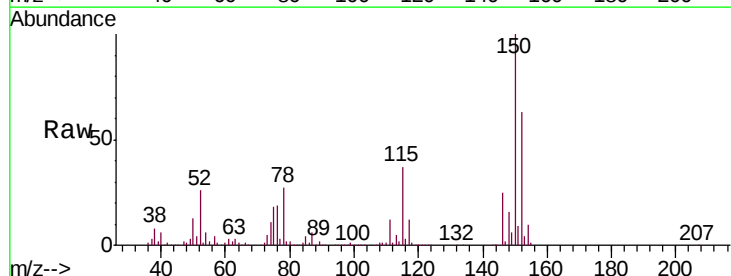
Tgt Ion:152 Resp: 145690

Ion Ratio Lower Upper

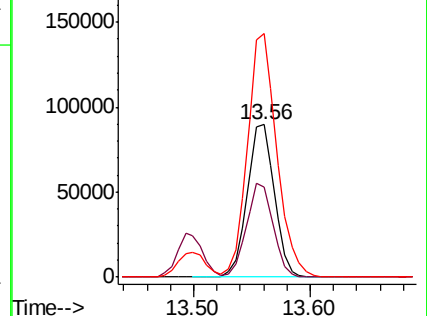
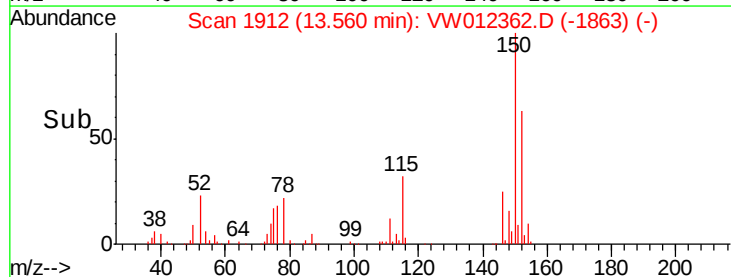
152 100

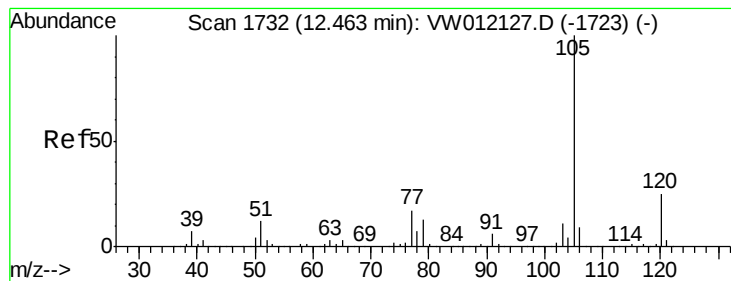
115 60.6 30.1 90.3

150 172.7 0.0 345.8



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: 51.167 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

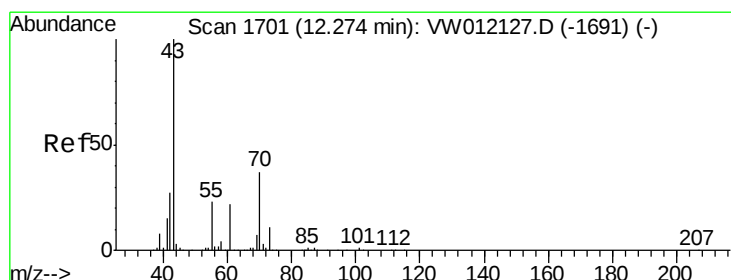
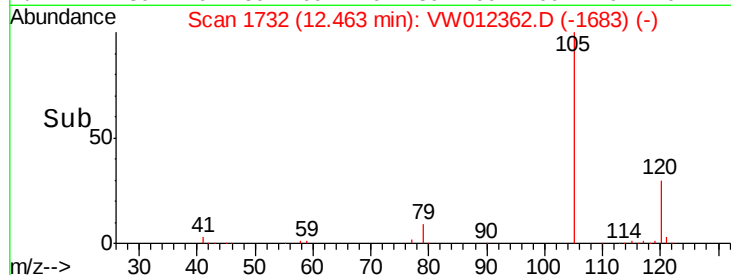
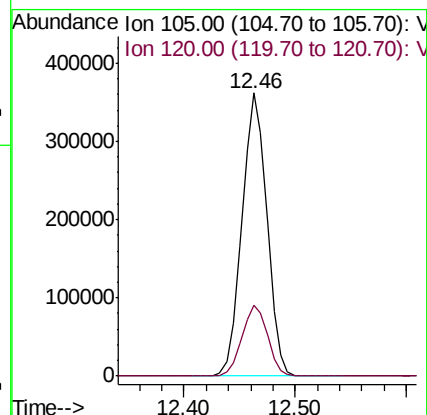
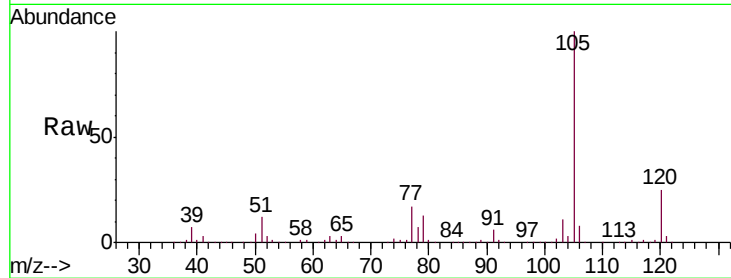
VSTDCCC050EC

Tgt Ion:105 Resp: 558581

Ion Ratio Lower Upper

105 100

120 25.5 12.5 37.5



#74

N-ethyl acetate

Concen: 56.600 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Tgt Ion: 43 Resp: 186683

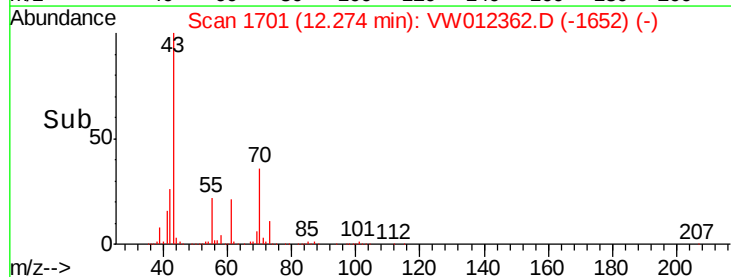
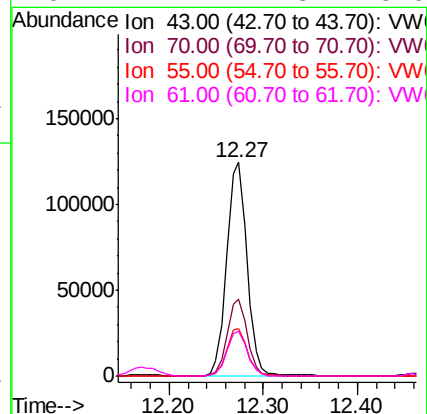
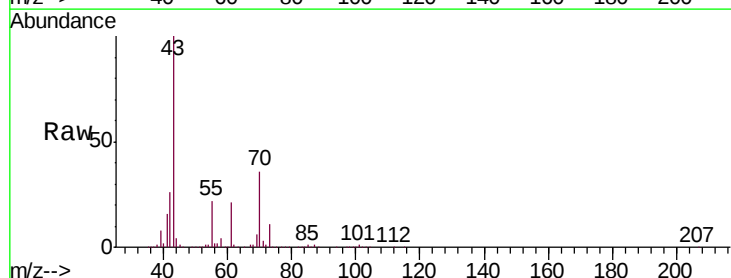
Ion Ratio Lower Upper

43 100

70 35.4 28.6 43.0

55 22.7 17.8 26.6

61 21.1 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.408 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

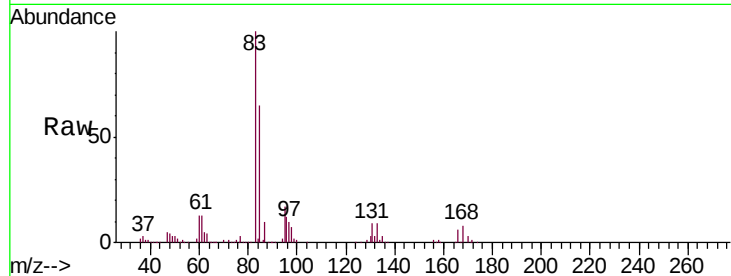
Tgt Ion: 83 Resp: 106889

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

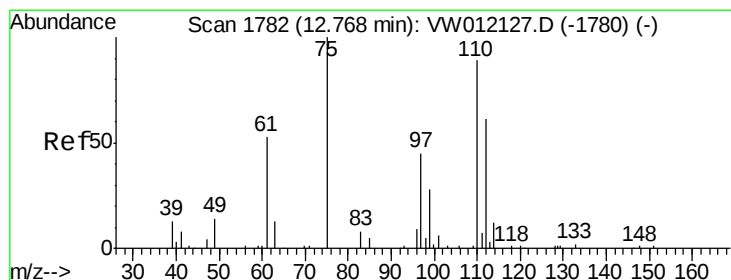
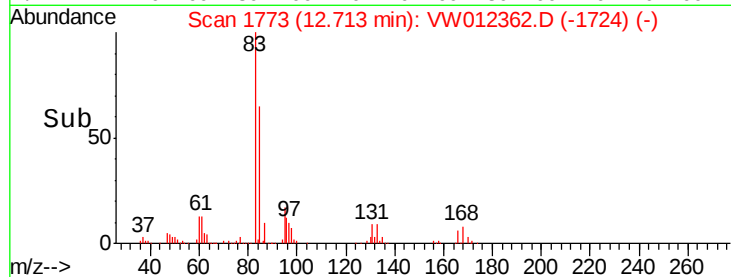
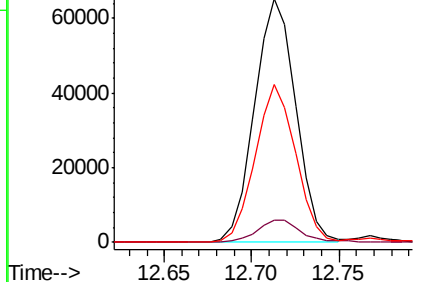
85 63.6 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 100.916 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012362.D

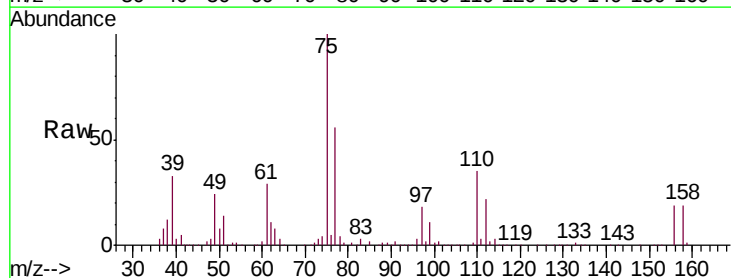
Acq: 30 Aug 2019 20:26

Tgt Ion: 75 Resp: 143191

Ion Ratio Lower Upper

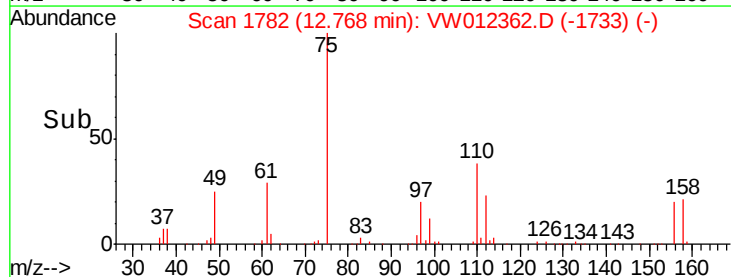
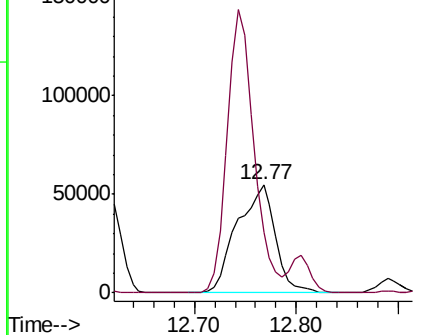
75 100

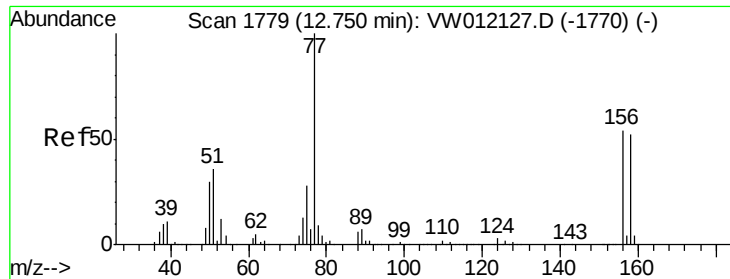
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.306 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

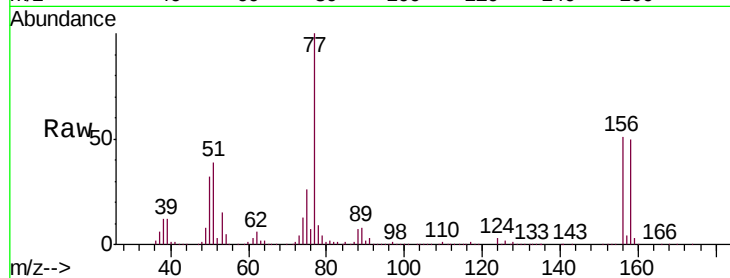
Tgt Ion:156 Resp: 123532

Ion Ratio Lower Upper

156 100

77 212.3 107.3 321.8

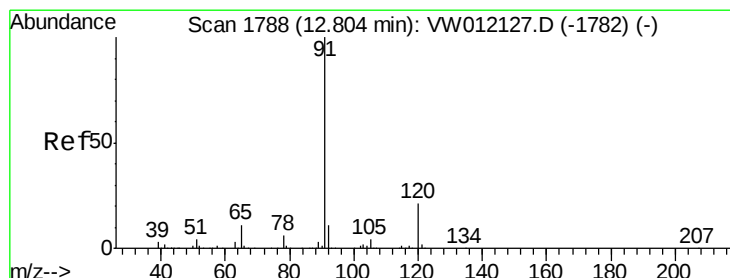
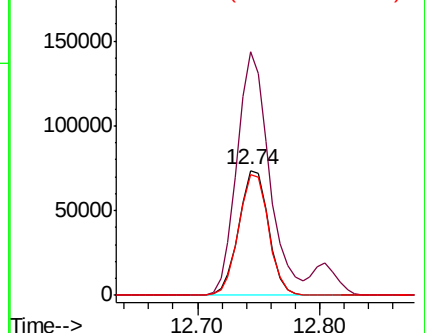
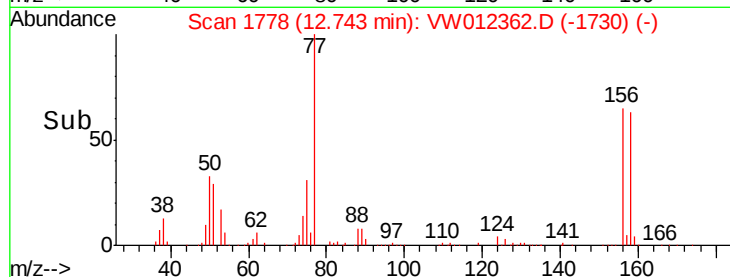
158 97.3 49.0 147.0



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: 51.313 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012362.D

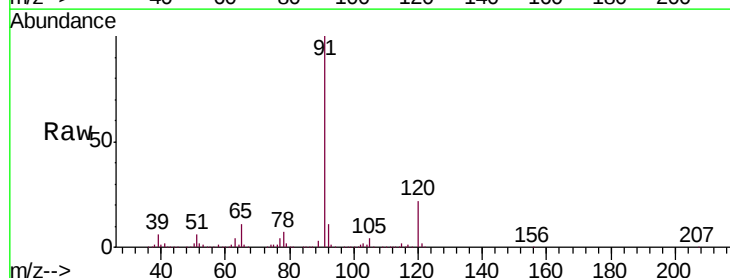
Acq: 30 Aug 2019 20:26

Tgt Ion: 91 Resp: 683861

Ion Ratio Lower Upper

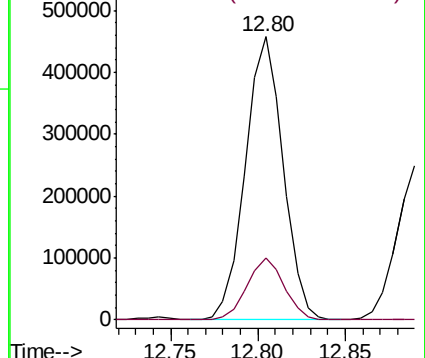
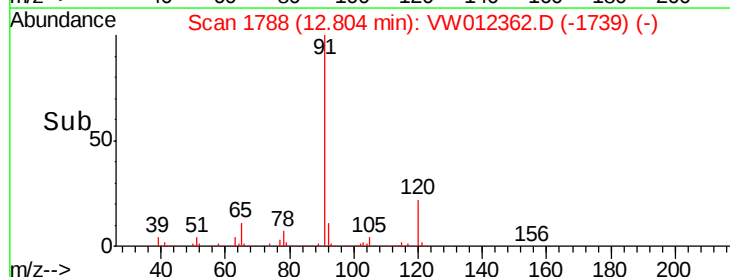
91 100

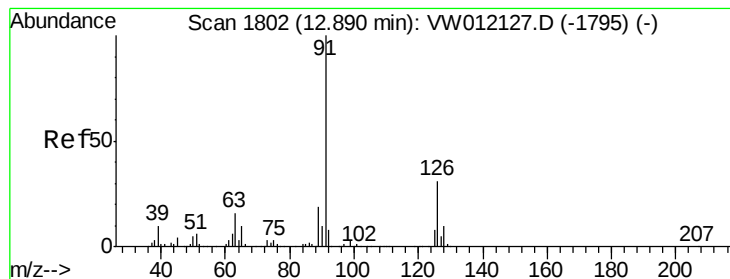
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.261 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

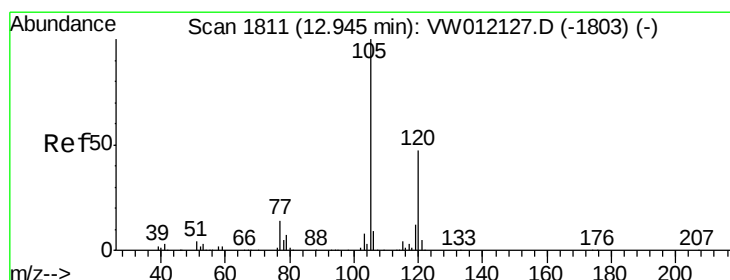
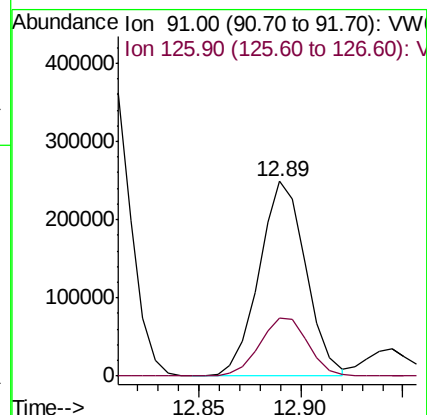
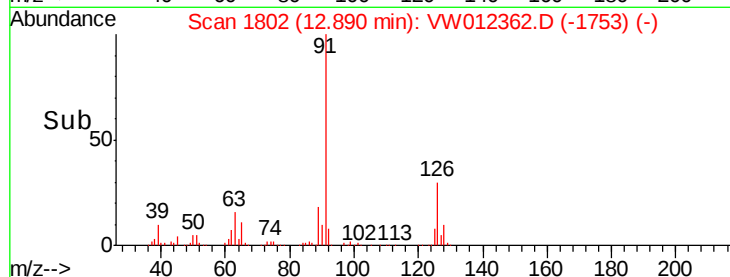
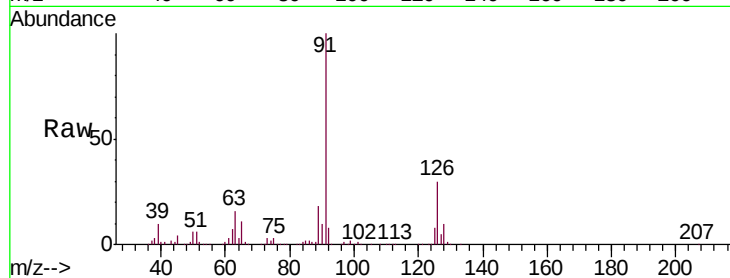
VSTDCCC050EC

Tgt Ion: 91 Resp: 395432

Ion Ratio Lower Upper

91 100

126 30.8 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 52.301 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012362.D

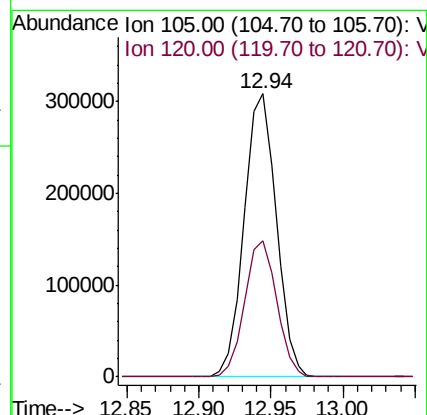
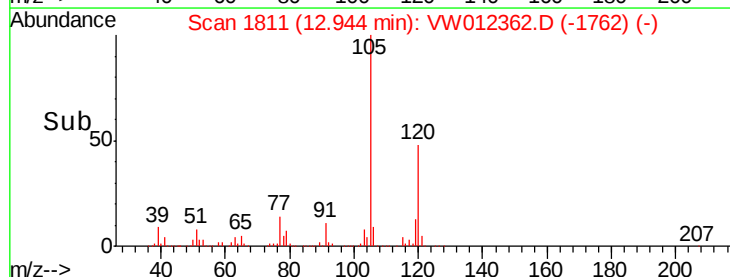
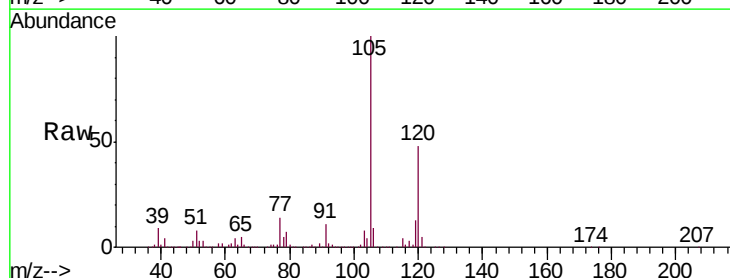
Acq: 30 Aug 2019 20:26

Tgt Ion: 105 Resp: 477094

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0

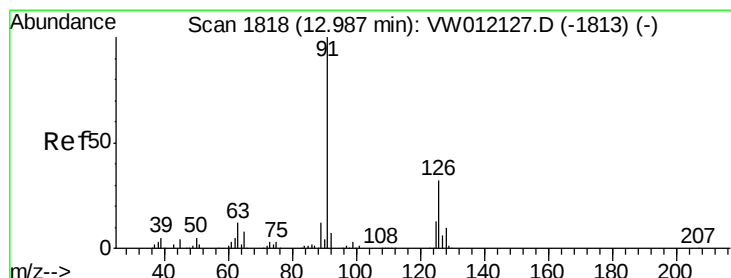
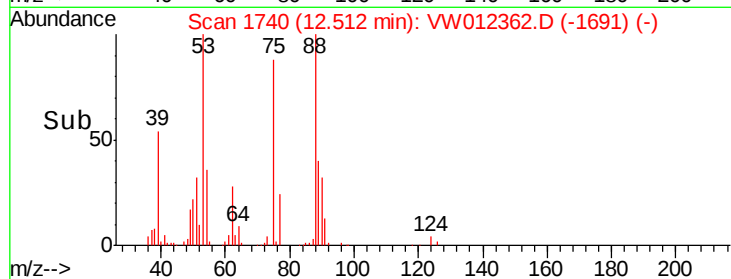
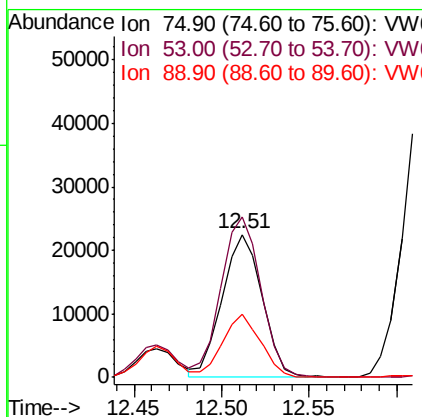
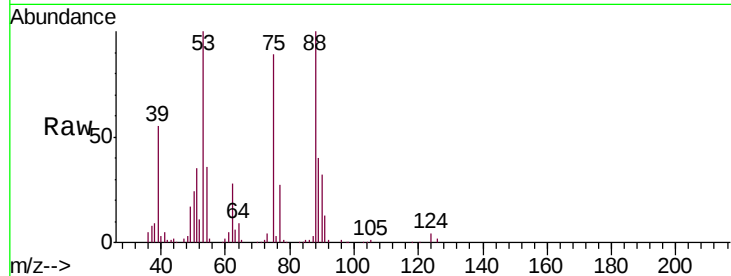




#81
trans-1,4-Dichloro-2-butene
Concen: 54.458 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

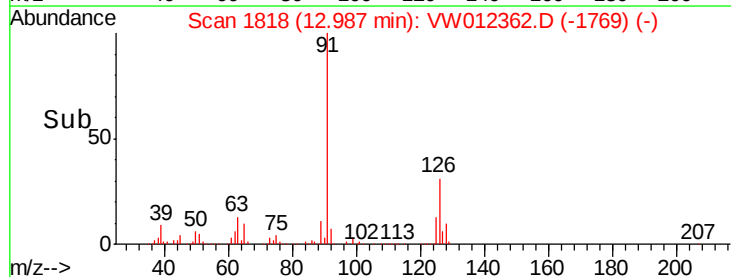
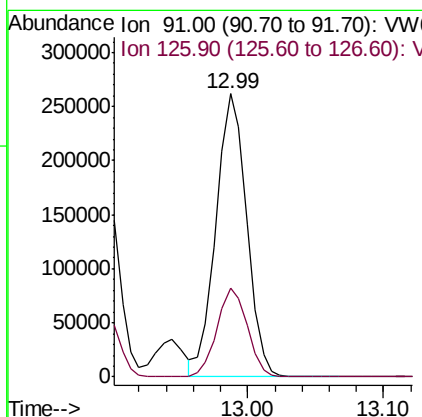
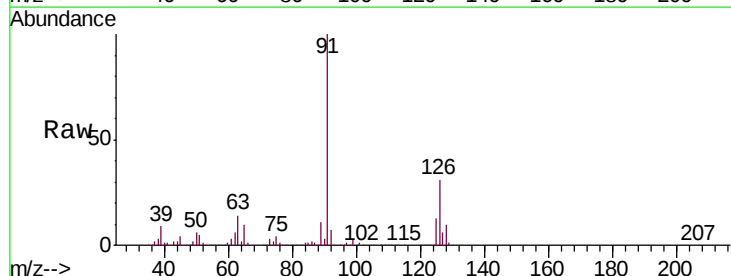
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

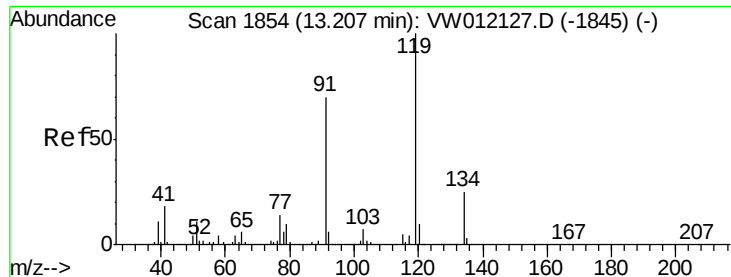
Tgt Ion: 75 Resp: 35243
Ion Ratio Lower Upper
75 100
53 113.7 89.4 134.0
89 42.5 34.5 51.7



#82
4-Chlorotoluene
Concen: 51.797 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion: 91 Resp: 410364
Ion Ratio Lower Upper
91 100
126 31.1 15.6 46.8

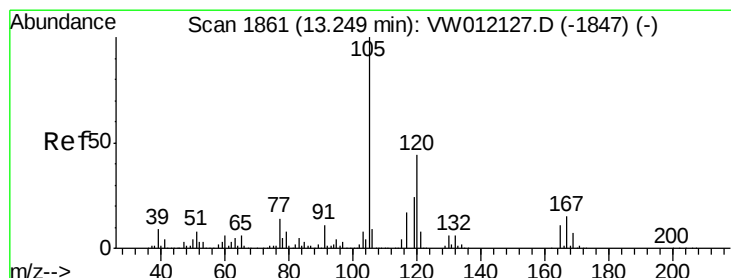
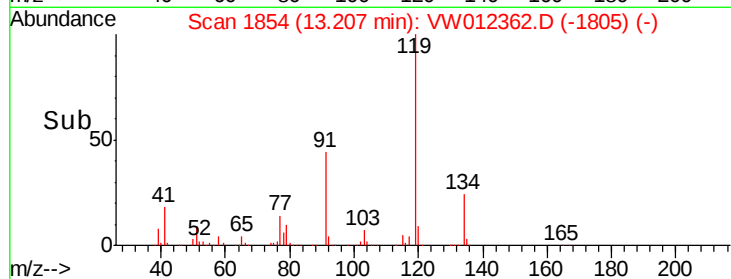
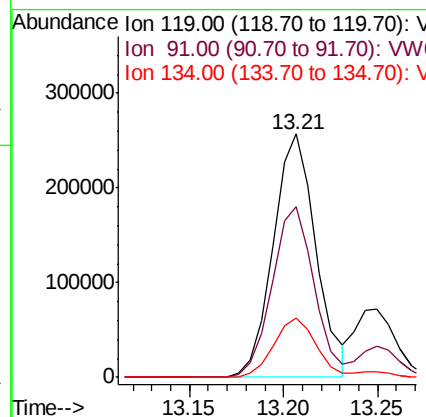
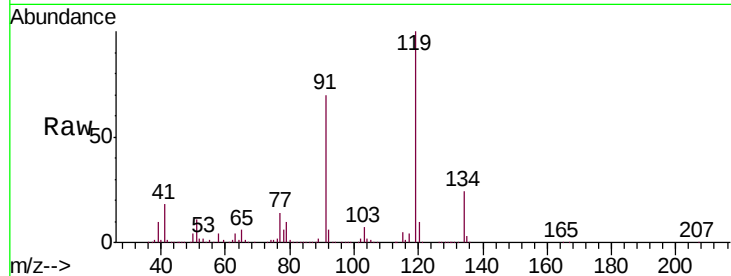




#83
 tert-Butylbenzene
 Concen: 52.255 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

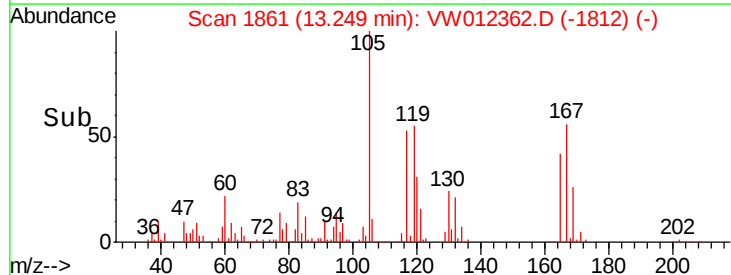
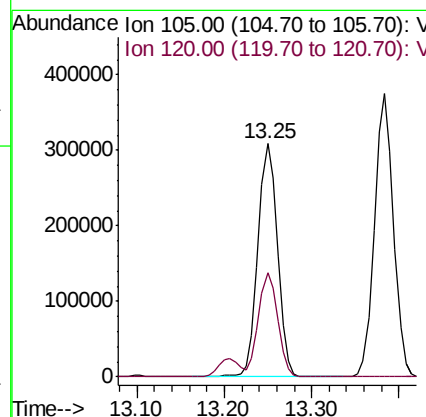
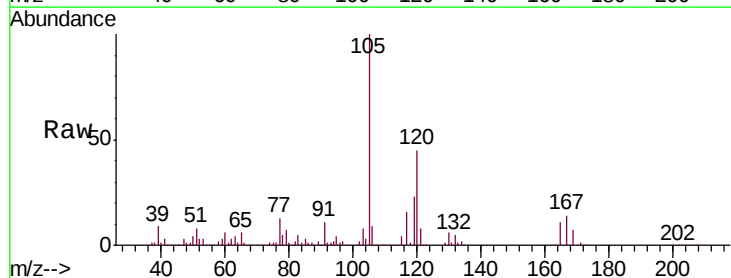
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

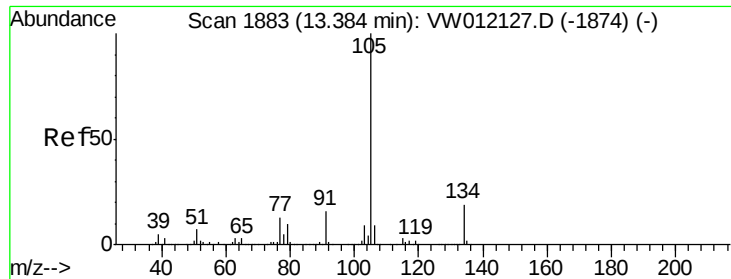
Tgt Ion:119 Resp: 403779
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.8 104.3
 134 24.3 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.244 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion:105 Resp: 478727
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.9 65.7

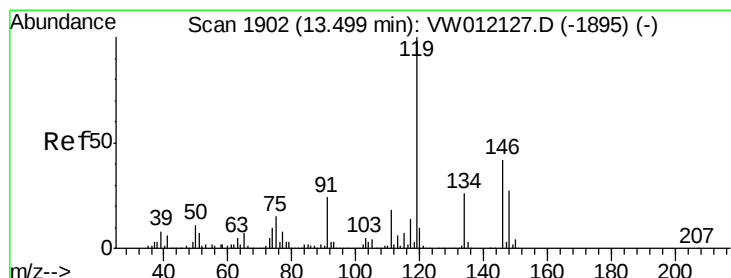
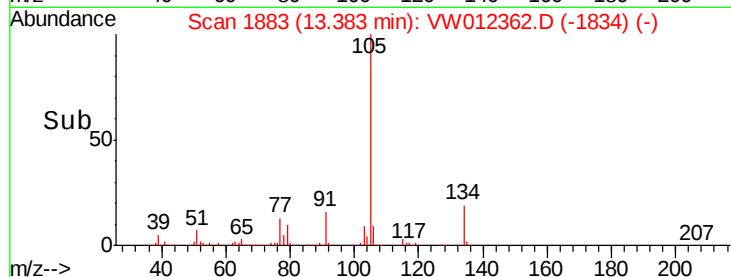
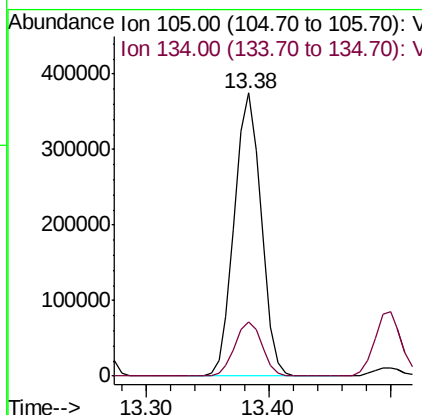
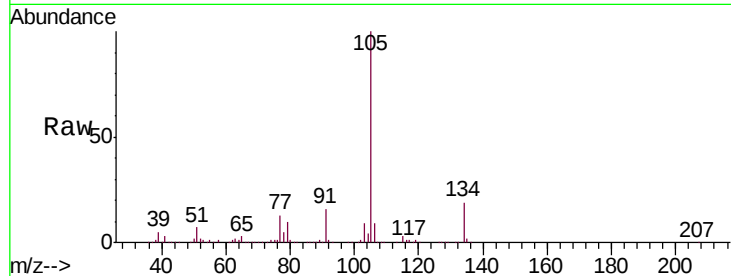




#85
 sec-Butylbenzene
 Concen: 51.333 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

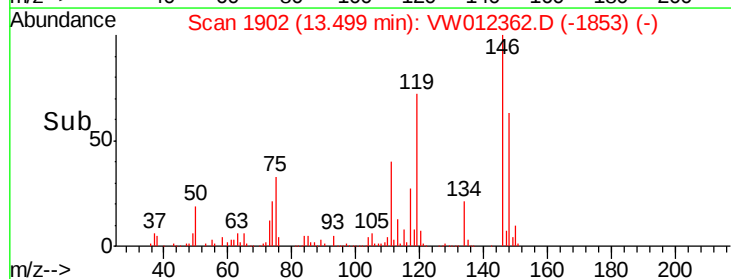
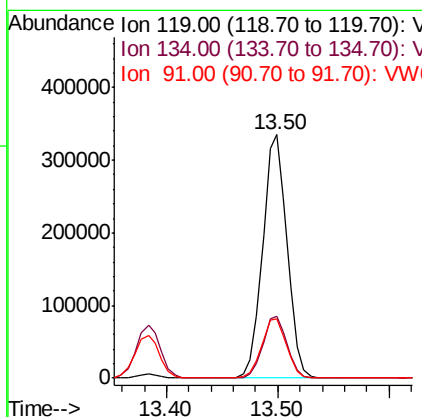
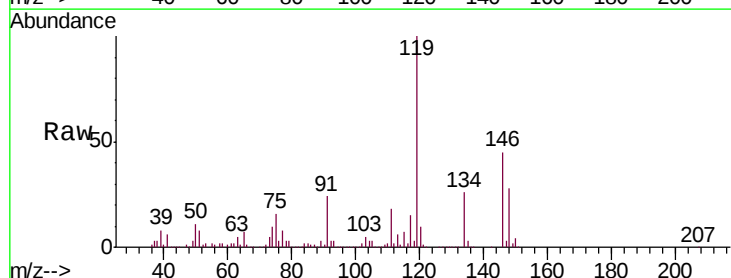
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 568279
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 51.706 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion:119 Resp: 511192
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 24.8 12.3 36.9

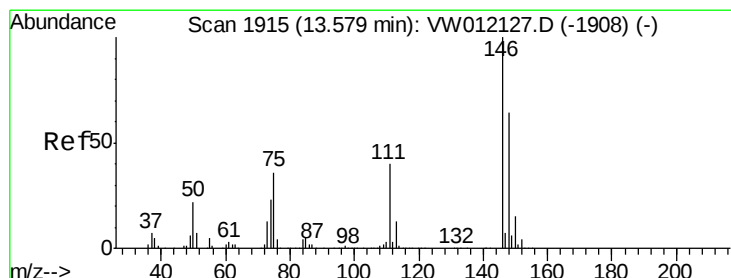
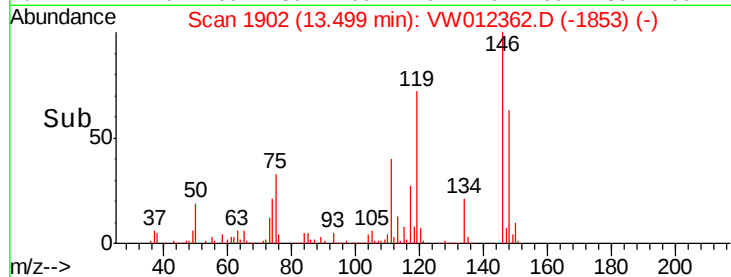
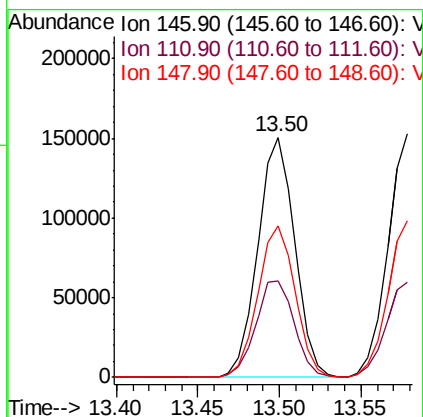
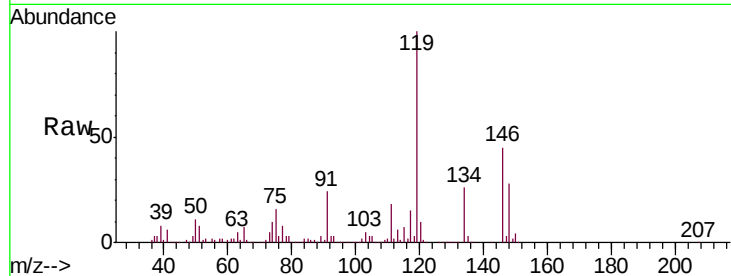




#87
 1,3-Dichlorobenzene
 Concen: 51.314 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

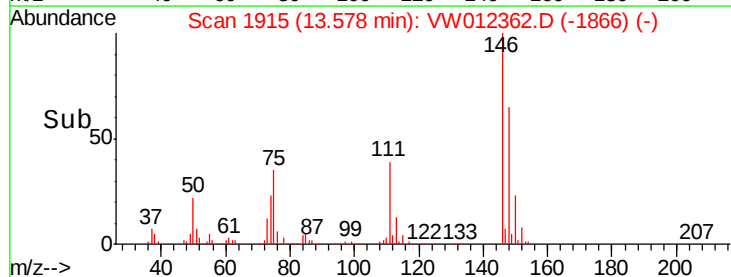
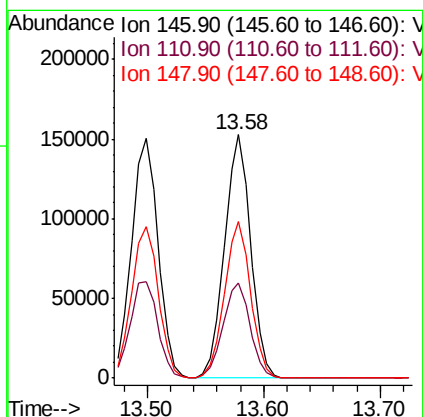
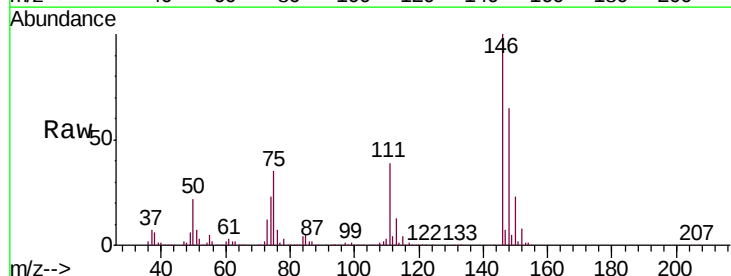
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

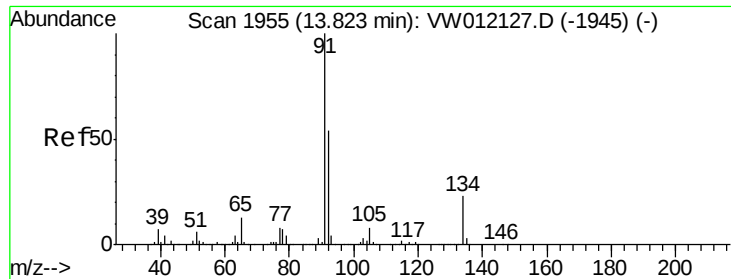
Tgt Ion:146 Resp: 237043
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.9 62.7
 148 63.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 51.854 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion:146 Resp: 237843
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.0 60.0
 148 64.1 32.1 96.3





#89

n-Butylbenzene

Concen: 52.027 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012362.D

Acq: 30 Aug 2019 20:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

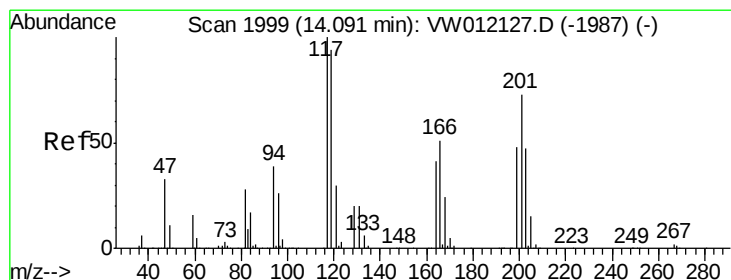
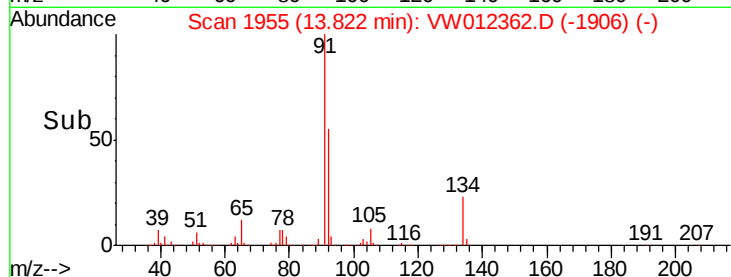
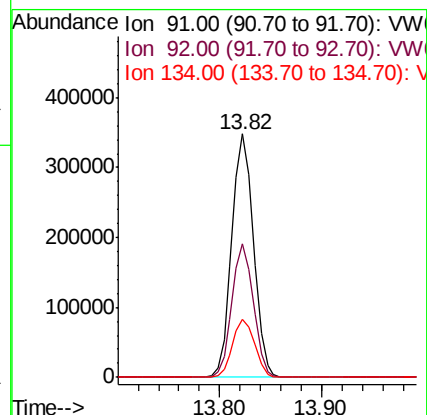
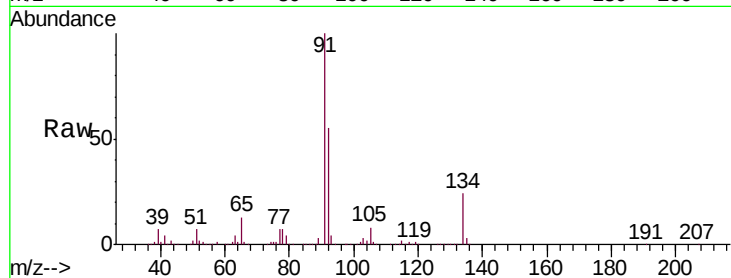
Tgt Ion: 91 Resp: 511510

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.2

134 24.2 12.2 36.4



#90

Hexachloroethane

Concen: 51.185 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012362.D

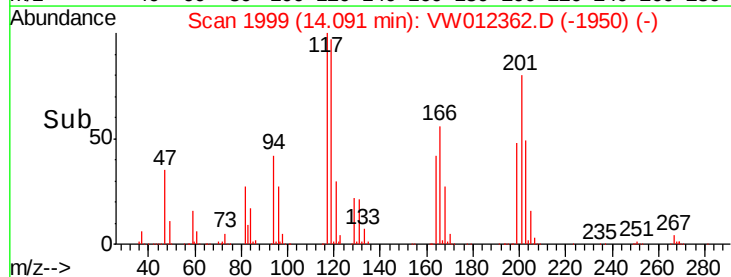
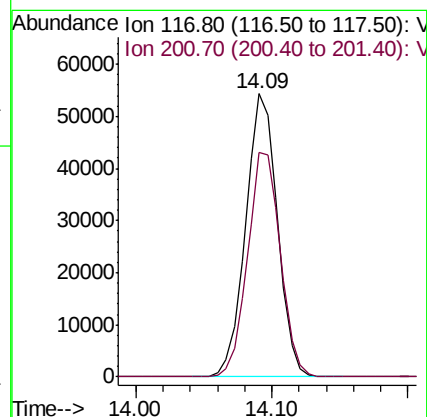
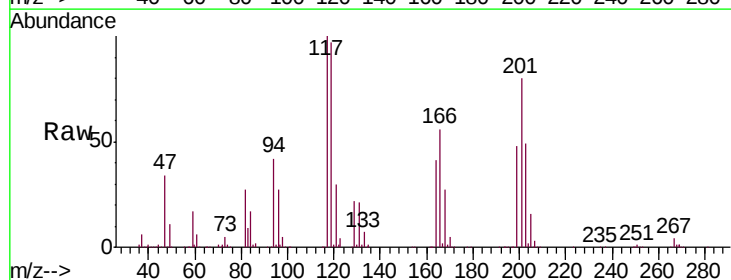
Acq: 30 Aug 2019 20:26

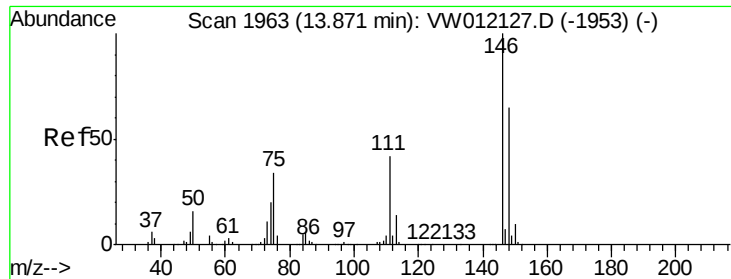
Tgt Ion: 117 Resp: 88783

Ion Ratio Lower Upper

117 100

201 81.7 38.6 115.7

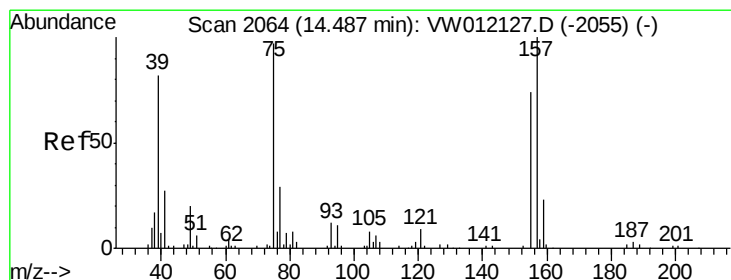
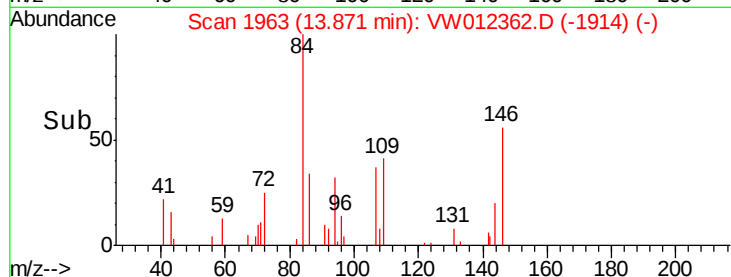
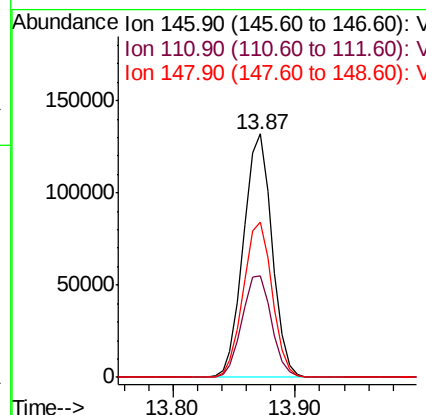
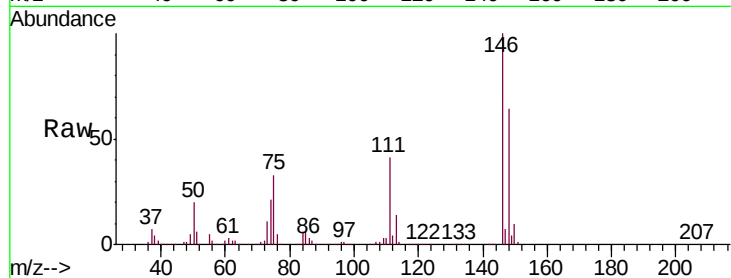




#91
 1,2-Dichlorobenzene
 Concen: 52.726 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

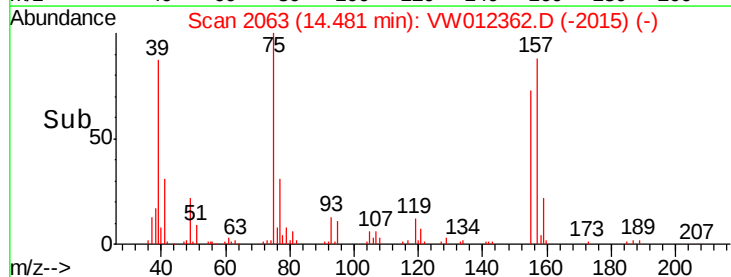
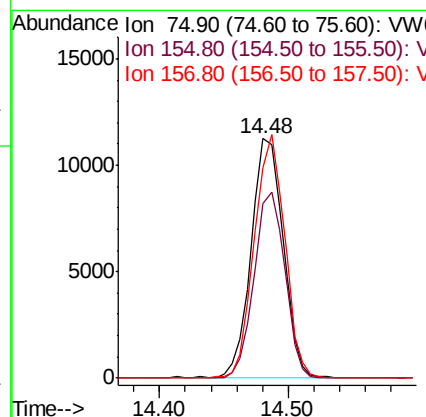
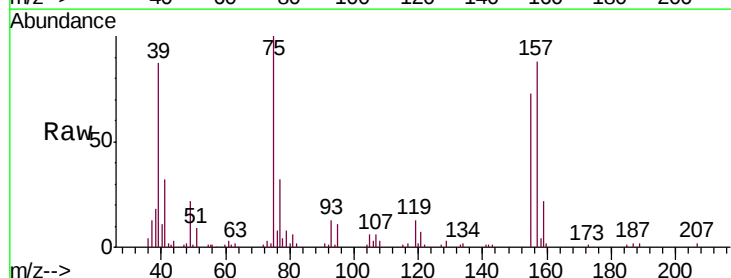
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

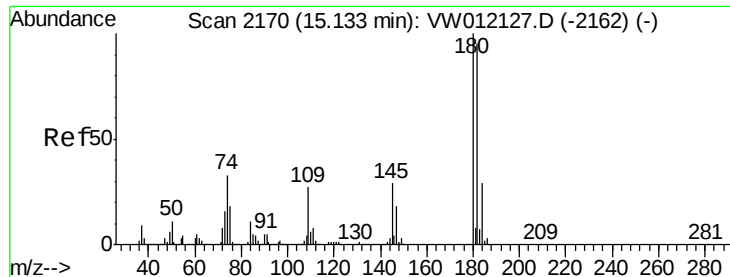
Tgt Ion: 146 Resp: 213668
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.2 63.6
 148 64.4 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.330 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion: 75 Resp: 19343
 Ion Ratio Lower Upper
 75 100
 155 74.2 37.5 112.3
 157 95.9 50.5 151.5

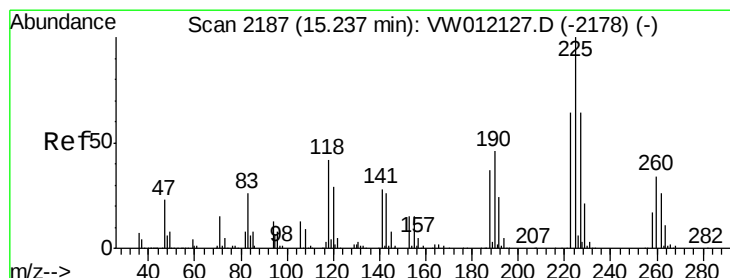
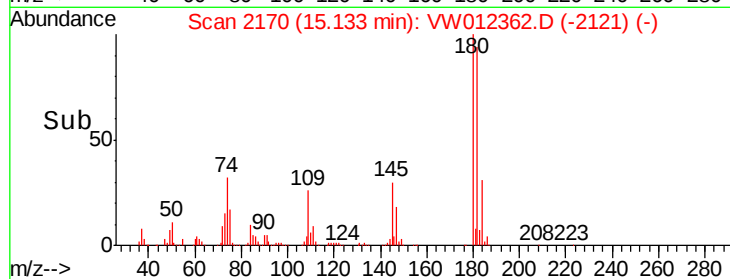
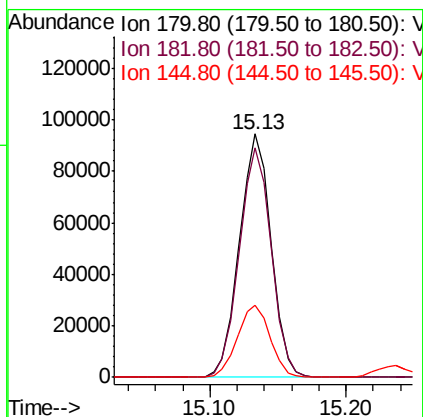
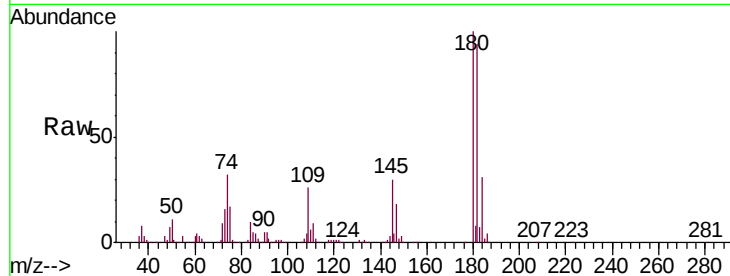




#93
 1,2,4-Trichlorobenzene
 Concen: 54.934 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

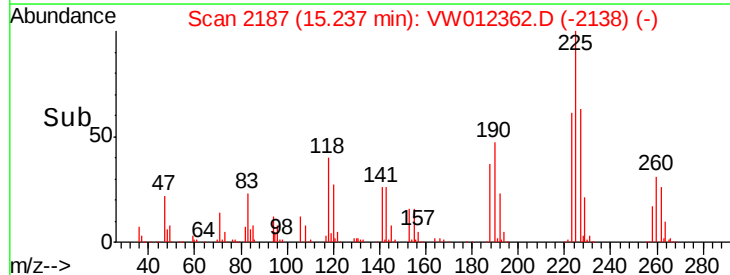
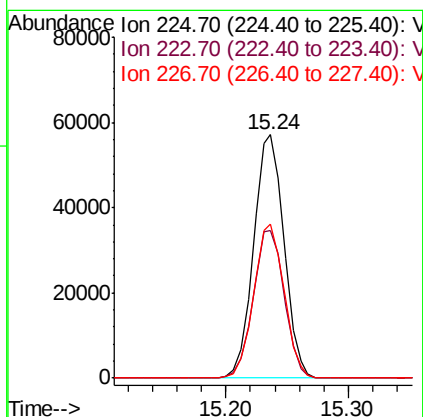
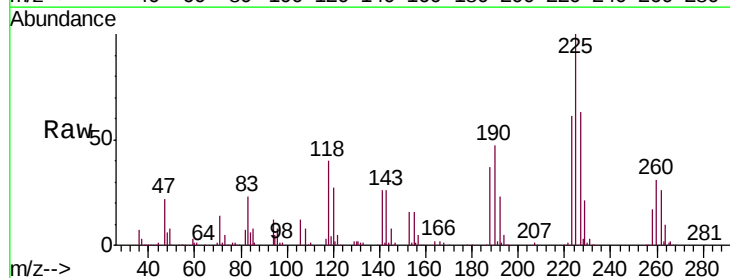
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

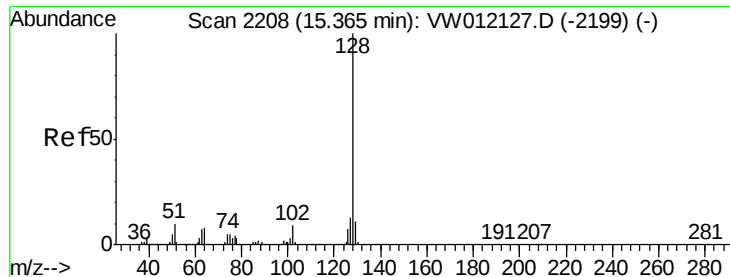
Tgt Ion:180 Resp: 153842
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.8 143.4
 145 30.4 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 53.322 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012362.D
 Acq: 30 Aug 2019 20:26

Tgt Ion:225 Resp: 98602
 Ion Ratio Lower Upper
 225 100
 223 62.3 32.3 96.8
 227 63.2 32.9 98.6

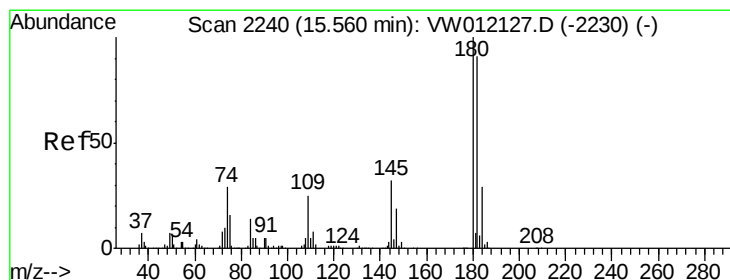
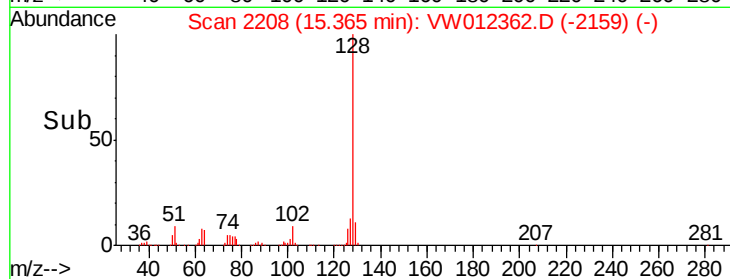
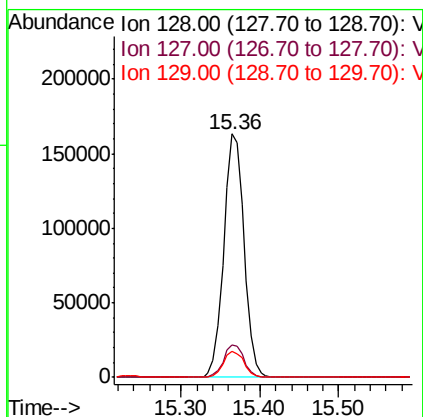
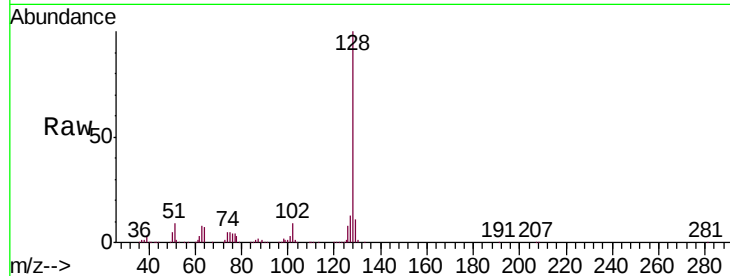




#95
Naphthalene
Concen: 52.709 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 291061
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 55.103 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012362.D
Acq: 30 Aug 2019 20:26

Tgt Ion:180 Resp: 134637
Ion Ratio Lower Upper
180 100
182 95.7 47.1 141.3
145 32.7 16.2 48.5

