

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012292.D
 Acq On : 29 Aug 2019 09:30
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 30 06:45:40 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	255564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	399610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163210	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	148893	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	7.88	113	122832	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.32	98	505712	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.62	95	176776	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	89889	57.123	ug/l	100
3) Chloromethane	2.21	50	125591	51.515	ug/l	99
4) Vinyl Chloride	2.36	62	161490	54.119	ug/l	99
5) Bromomethane	2.78	94	80636	53.359	ug/l	98
6) Chloroethane	2.92	64	93493	55.541	ug/l	97
7) Trichlorofluoromethane	3.26	101	89785	59.923	ug/l	97
8) Diethyl Ether	3.68	74	75450	53.051	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	136071	53.427	ug/l	98
10) Methyl Iodide	4.27	142	193778	56.233	ug/l	98
11) Tert butyl alcohol	5.18	59	44556	243.706	ug/l	100
12) 1,1-Dichloroethene	4.04	96	139046	54.242	ug/l	96
13) Acrolein	3.90	56	36678	213.121	ug/l	95
14) Allyl chloride	4.67	41	304692	55.598	ug/l	99
15) Acrylonitrile	5.36	53	184197	261.297	ug/l	99
16) Acetone	4.13	43	195982	252.364	ug/l	99
17) Carbon Disulfide	4.38	76	413720	53.403	ug/l	100
18) Methyl Acetate	4.67	43	94408	49.082	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	229185	55.286	ug/l	95
20) Methylene Chloride	4.91	84	146407	49.870	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	147629	53.705	ug/l	98
22) Diisopropyl ether	6.31	45	547012	53.850	ug/l	99
23) Vinyl Acetate	6.25	43	1710797	273.663	ug/l	100
24) 1,1-Dichloroethane	6.21	63	293087	52.991	ug/l	99
25) 2-Butanone	7.17	43	262507	248.754	ug/l	98
26) 2,2-Dichloropropane	7.16	77	173609	55.456	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	158631	54.012	ug/l	99
28) Bromochloromethane	7.51	49	121472	50.390	ug/l	# 97
29) Tetrahydrofuran	7.53	42	164001	259.033	ug/l	99
30) Chloroform	7.67	83	267129	52.790	ug/l	99
31) Cyclohexane	7.96	56	277874	50.780	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	215922	53.940	ug/l	99
36) 1,1-Dichloropropene	8.08	75	226926	54.952	ug/l	99
37) Ethyl Acetate	7.25	43	117749	52.034	ug/l	100
38) Carbon Tetrachloride	8.07	117	194046	54.291	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	257524	55.511	ug/l	98
40) Benzene	8.32	78	616053	54.634	ug/l	100
41) Methacrylonitrile	7.48	41	72011	54.144	ug/l	99
42) 1,2-Dichloroethane	8.40	62	187964	53.188	ug/l	99
43) Isopropyl Acetate	8.42	43	226834	54.116	ug/l	100
44) Trichloroethene	9.09	130	149162	54.416	ug/l	100
45) 1,2-Dichloropropane	9.37	63	164238	54.120	ug/l	100
46) Dibromomethane	9.46	93	71964	53.298	ug/l	99
47) Bromodichloromethane	9.64	83	194897	54.236	ug/l	100
48) Methyl methacrylate	9.43	41	109397	54.836	ug/l	99
49) 1,4-Dioxane	9.46	88	18691	904.242	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	566662	265.791	ug/l	100
52) Toluene	10.38	92	370170	54.646	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	205704	56.196	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	247804	56.067	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	102304	53.552	ug/l	98
56) Ethyl methacrylate	10.65	69	156818	56.401	ug/l	98
57) 1,3-Dichloropropane	10.93	76	195841	54.248	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	390737	273.824	ug/l	99
59) 2-Hexanone	10.97	43	405417	268.752	ug/l	99
60) Dibromochloromethane	11.13	129	116868	54.923	ug/l	100
61) 1,2-Dibromoethane	11.23	107	96739	54.355	ug/l	99
64) Tetrachloroethene	10.86	164	121208	53.953	ug/l	99
65) Chlorobenzene	11.66	112	369330	54.129	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	129745	54.508	ug/l	99
67) Ethyl Benzene	11.73	91	729061	55.469	ug/l	100
68) m/p-Xylenes	11.84	106	522169	110.291	ug/l	99
69) o-Xylene	12.16	106	243013	55.458	ug/l	99
70) Styrene	12.18	104	420282	55.412	ug/l	99
71) Bromoform	12.35	173	65013	54.820	ug/l #	99
73) Isopropylbenzene	12.46	105	684031	55.933	ug/l	99
74) N-amyl acetate	12.27	43	206282	55.829	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	119078	53.111	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	159923	100.609	ug/l #	100
77) Bromobenzene	12.75	156	147599	55.788	ug/l	97
78) n-propylbenzene	12.80	91	836126	56.004	ug/l	99
79) 2-Chlorotoluene	12.89	91	469187	55.353	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	574465	56.215	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40999	56.552	ug/l	96
82) 4-Chlorotoluene	12.99	91	486269	54.789	ug/l	100
83) tert-Butylbenzene	13.21	119	491834	56.818	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	568706	55.401	ug/l	99
85) sec-Butylbenzene	13.38	105	695767	56.102	ug/l	100
86) p-Isopropyltoluene	13.50	119	629177	56.808	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	284750	55.025	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	279337	54.363	ug/l	100
89) n-Butylbenzene	13.82	91	632076	57.389	ug/l	100
90) Hexachloroethane	14.09	117	107355	55.248	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	248777	54.799	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20271	53.631	ug/l	99

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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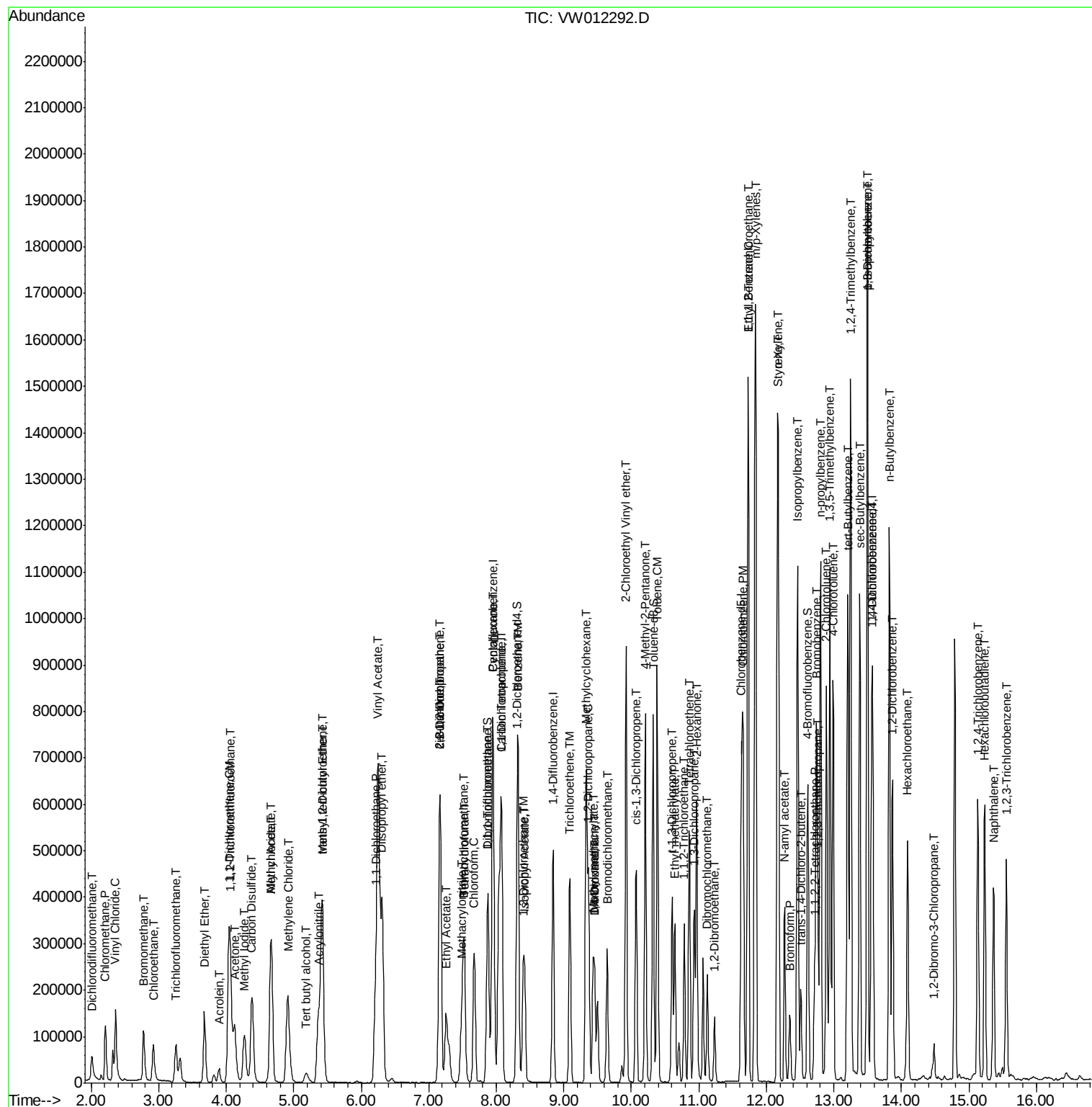
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	185752	59.208	ug/l	99
94) Hexachlorobutadiene	15.24	225	119876	57.868	ug/l	97
95) Naphthalene	15.36	128	342972	55.218	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	161360	58.951	ug/l	99

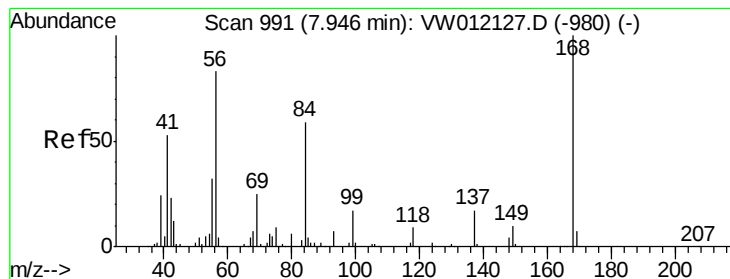
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

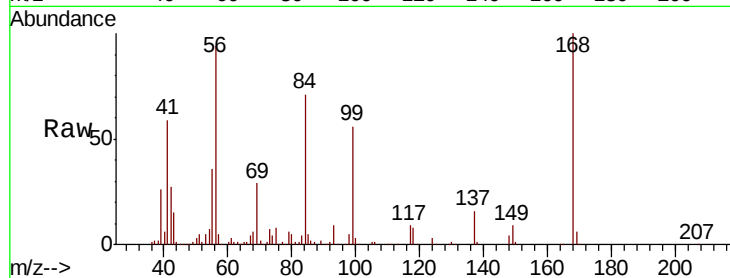
VSTDCCC050

Tgt Ion:168 Resp: 255564

Ion Ratio Lower Upper

168 100

99 55.6 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

120000

100000

80000

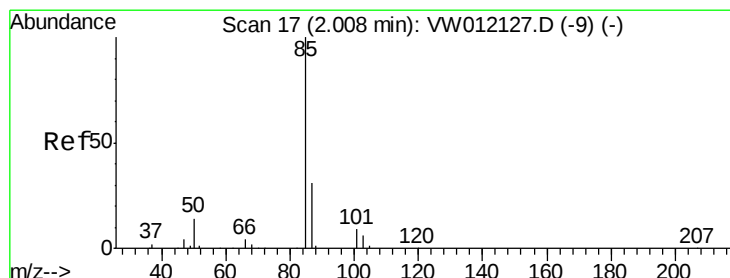
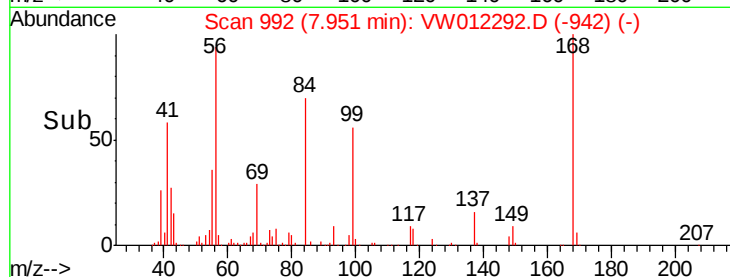
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 57.123 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012292.D

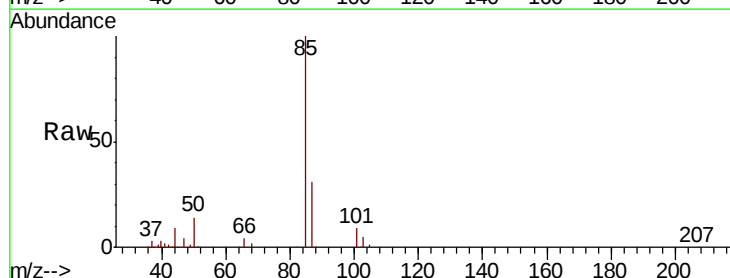
Acq: 29 Aug 2019 09:30

Tgt Ion: 85 Resp: 89889

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

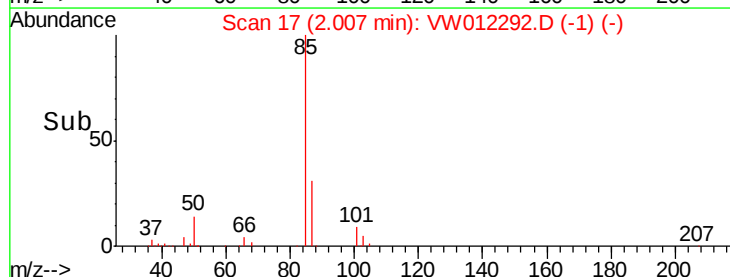
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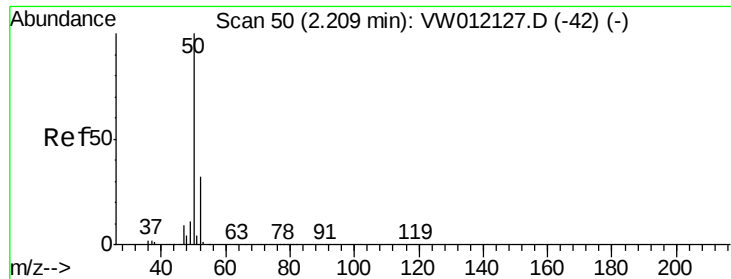
20000

10000

0

Time-->





#3

Chloromethane

Concen: 51.515 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

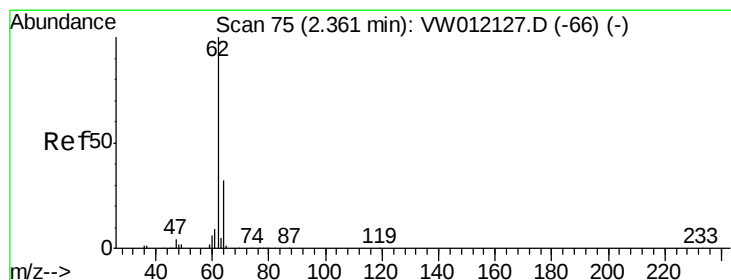
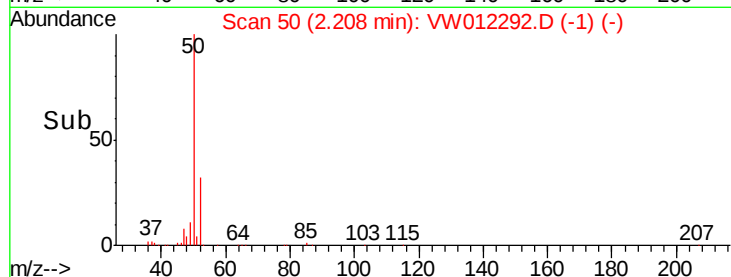
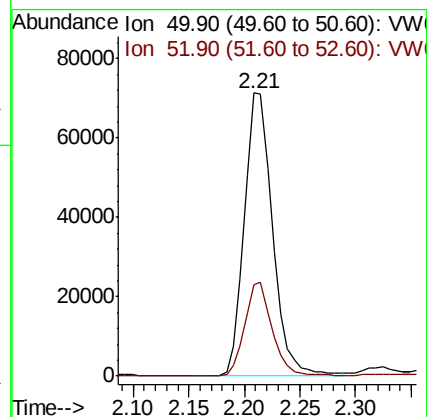
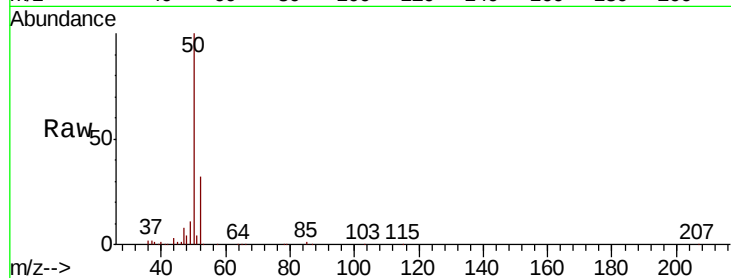
VSTDCCC050

Tgt Ion: 50 Resp: 125591

Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3



#4

Vinyl Chloride

Concen: 54.119 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012292.D

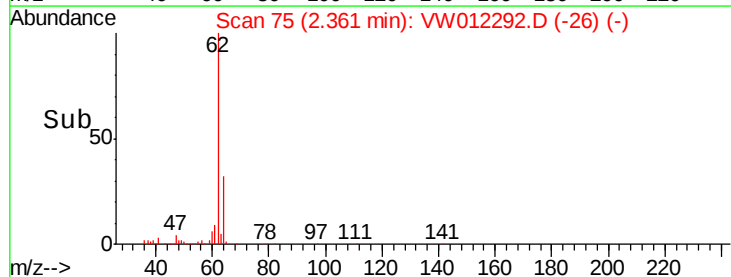
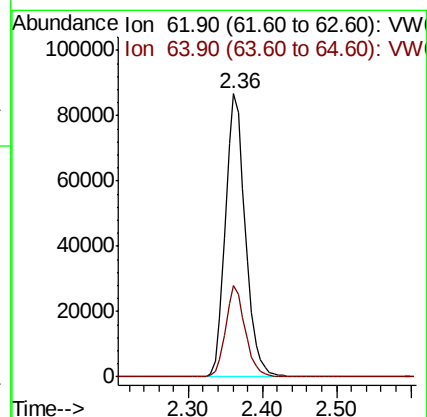
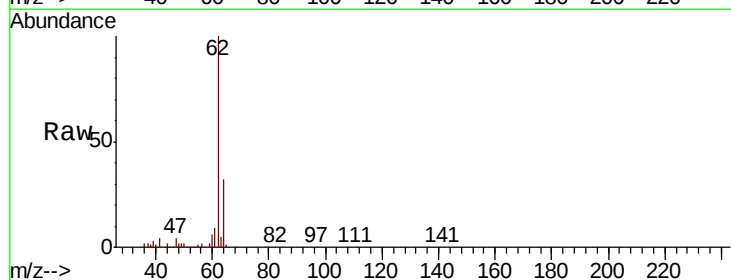
Acq: 29 Aug 2019 09:30

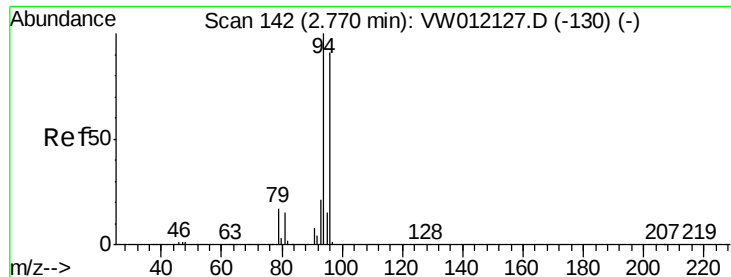
Tgt Ion: 62 Resp: 161490

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 53.359 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

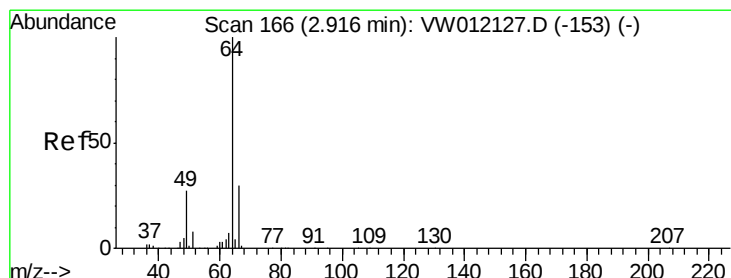
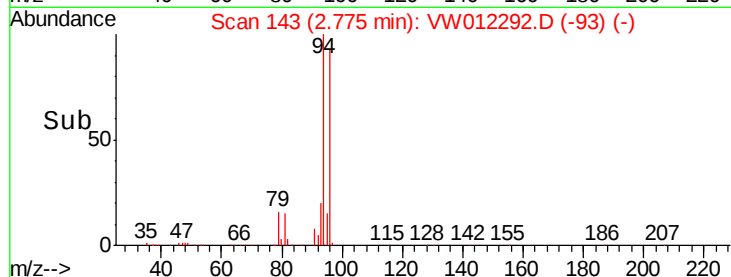
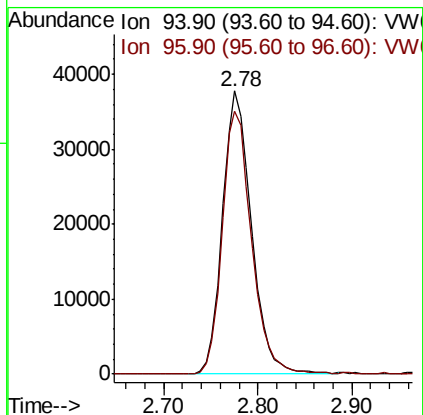
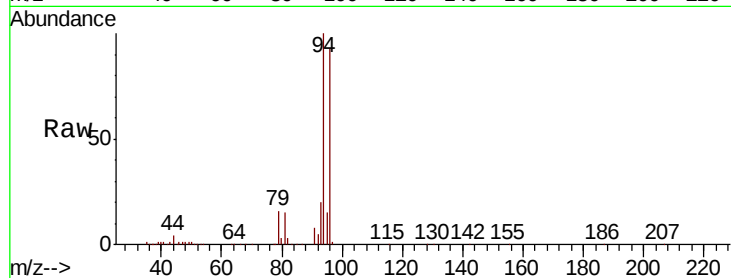
VSTDCCC050

Tgt Ion: 94 Resp: 80636

Ion Ratio Lower Upper

94 100

96 92.7 72.9 109.3



#6

Chloroethane

Concen: 55.541 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012292.D

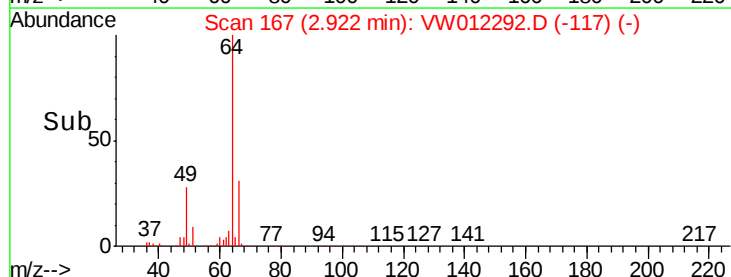
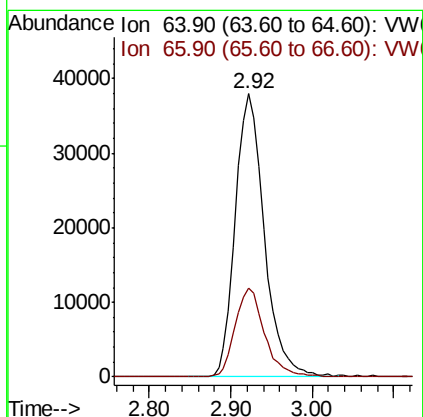
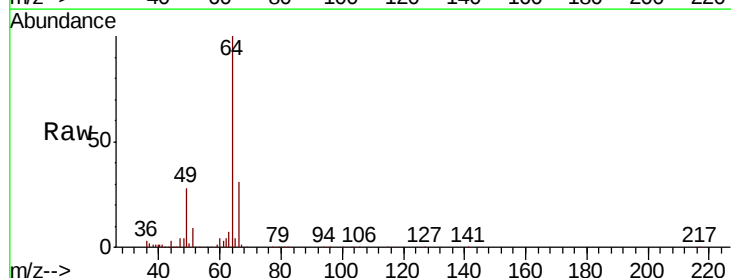
Acq: 29 Aug 2019 09:30

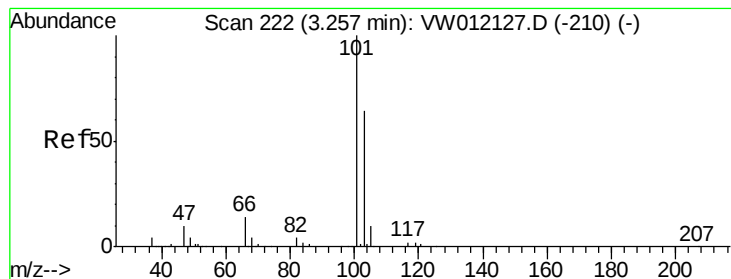
Tgt Ion: 64 Resp: 93493

Ion Ratio Lower Upper

64 100

66 31.2 23.8 35.8



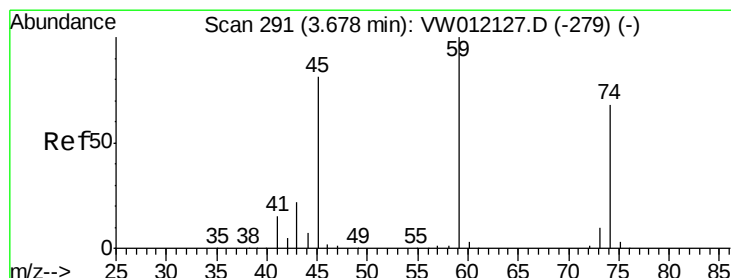
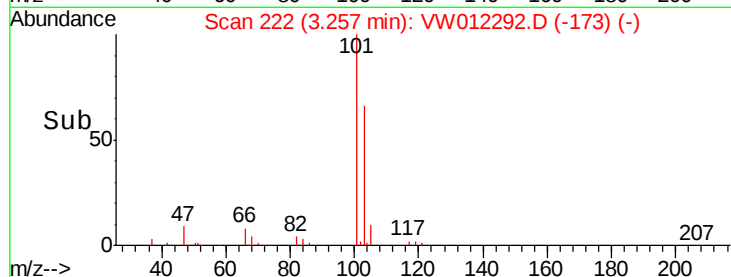
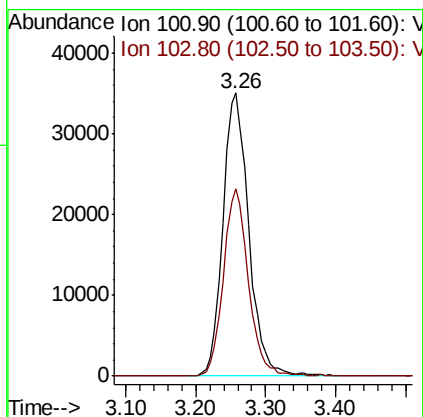
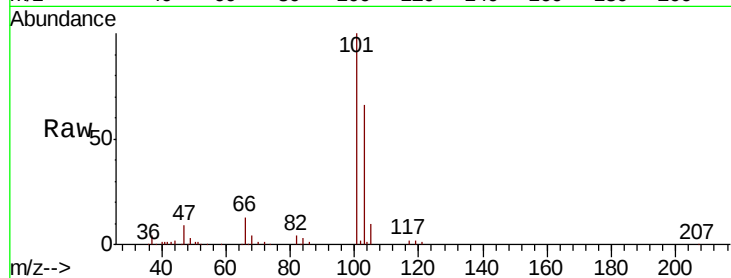


#7

Trichlorofluoromethane
 Concen: 59.923 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

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 VSTDCCC050

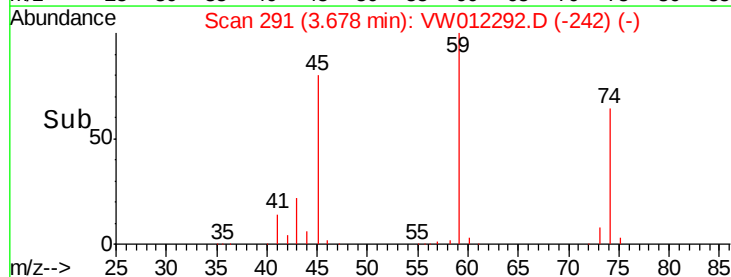
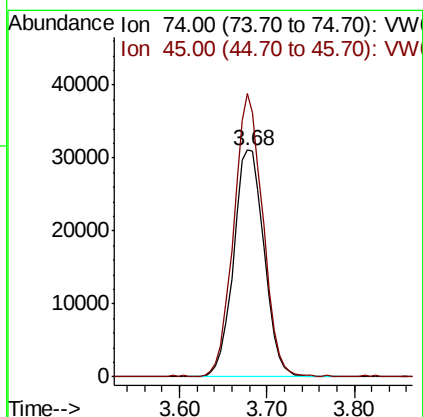
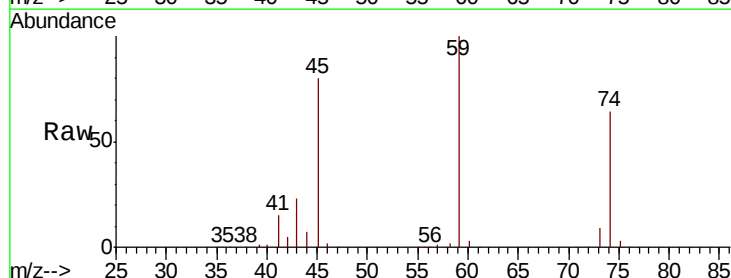
Tgt Ion:101 Resp: 89785
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.2 76.8

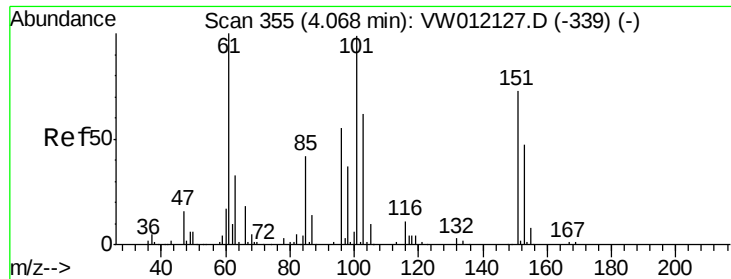


#8

Diethyl Ether
 Concen: 53.051 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion: 74 Resp: 75450
 Ion Ratio Lower Upper
 74 100
 45 118.1 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.427 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

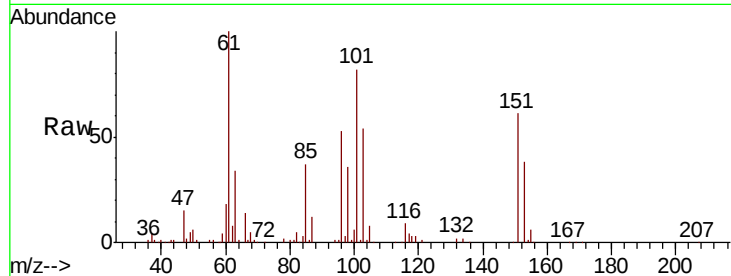
Tgt Ion:101 Resp: 136071

Ion Ratio Lower Upper

101 100

85 45.1 35.8 53.6

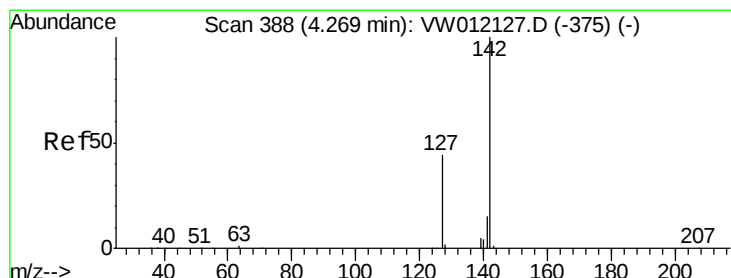
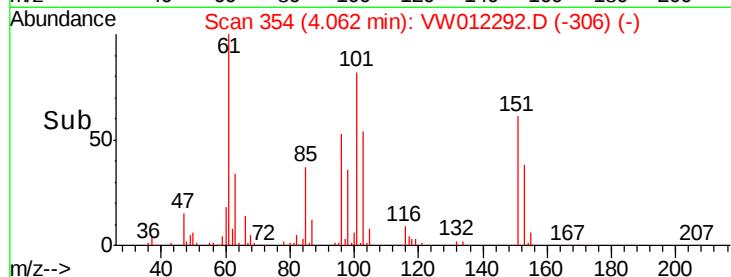
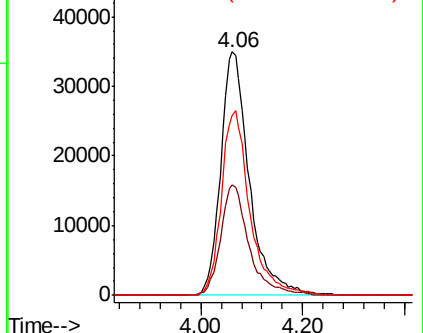
151 75.6 58.6 87.8



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: 56.233 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

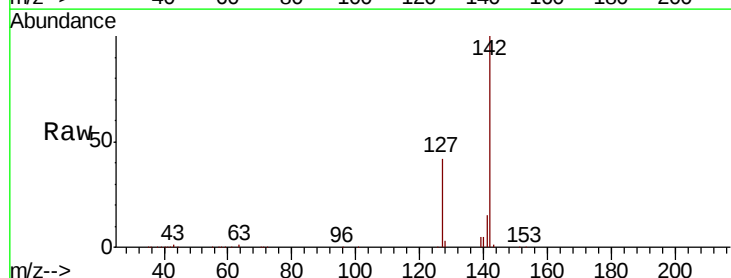
Tgt Ion:142 Resp: 193778

Ion Ratio Lower Upper

142 100

127 43.1 35.5 53.3

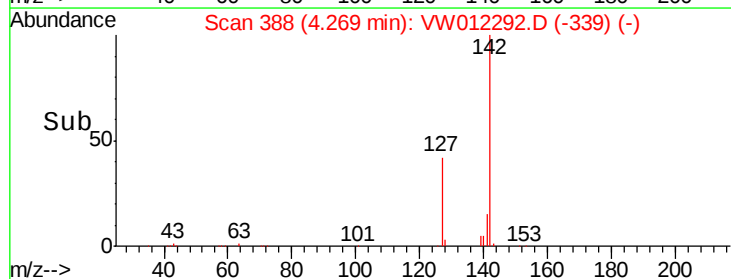
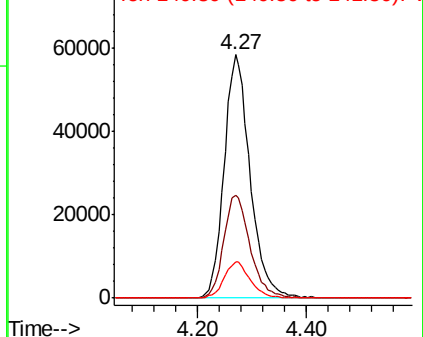
141 15.0 11.8 17.8

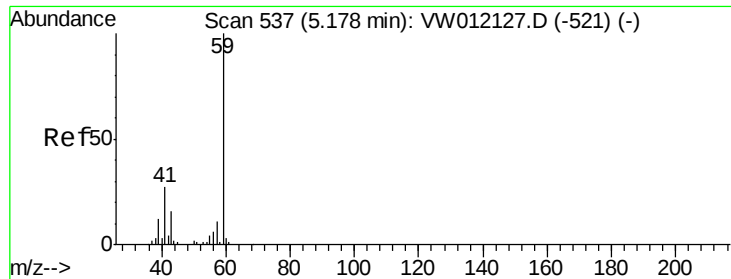


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



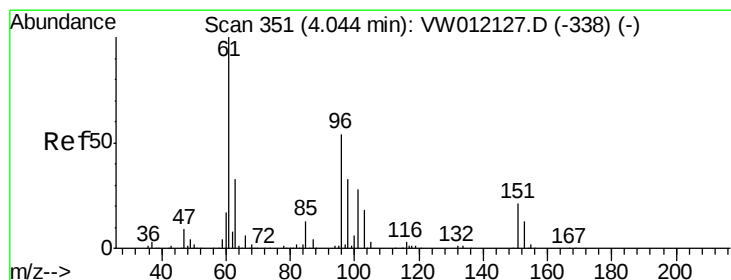
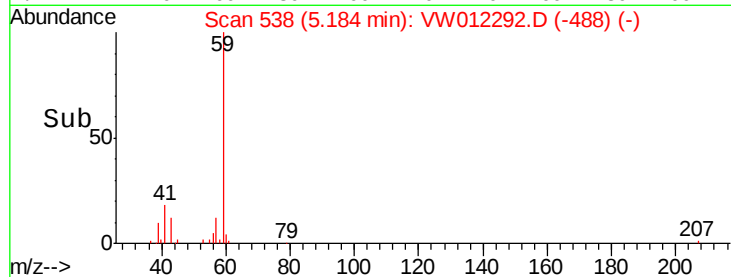
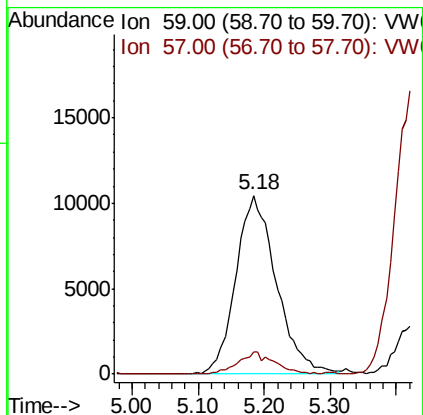
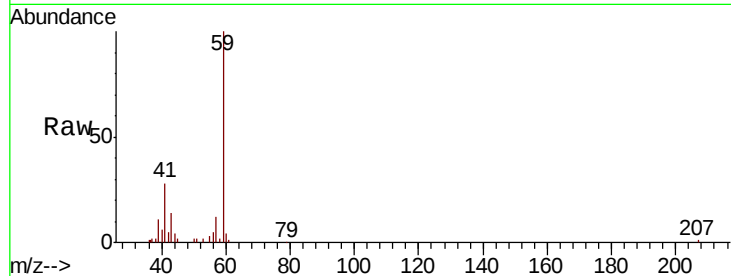


#11

Tert butyl alcohol
Concen: 243.706 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

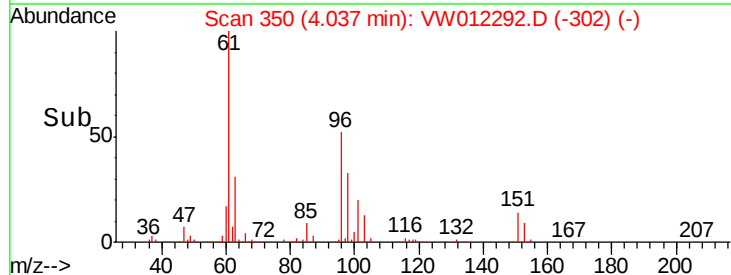
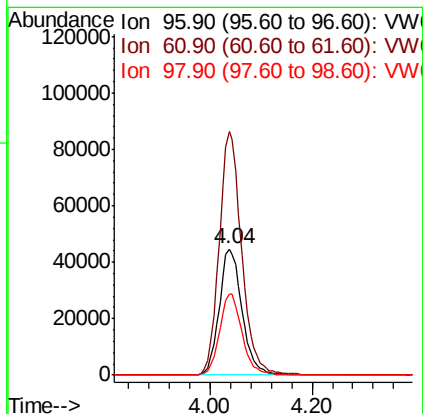
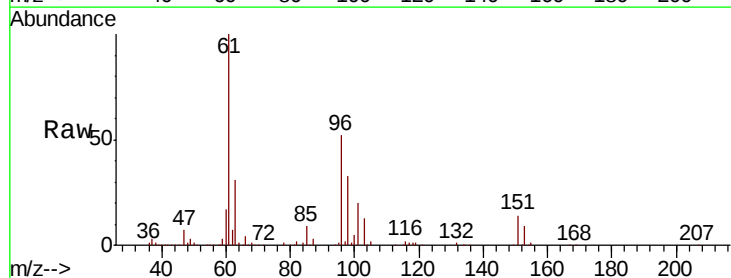
Tgt Ion: 59 Resp: 44556
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.4

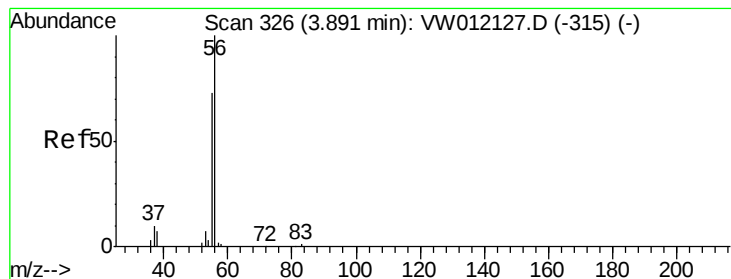


#12

1,1-Dichloroethene
Concen: 54.242 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion: 96 Resp: 139046
Ion Ratio Lower Upper
96 100
61 192.9 149.1 223.7
98 64.0 49.4 74.2





#13

Acrolein

Concen: 213.121 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

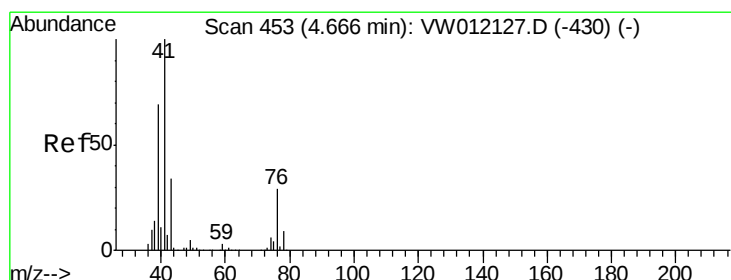
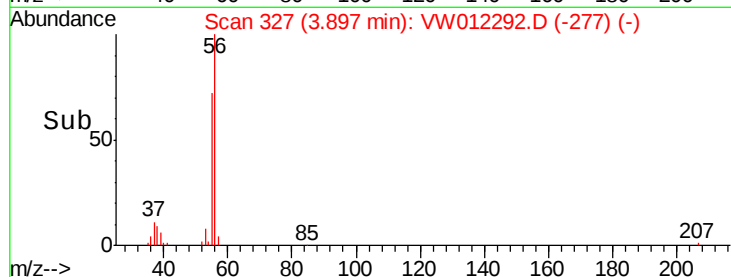
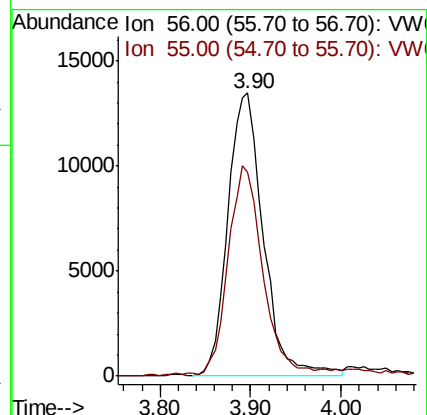
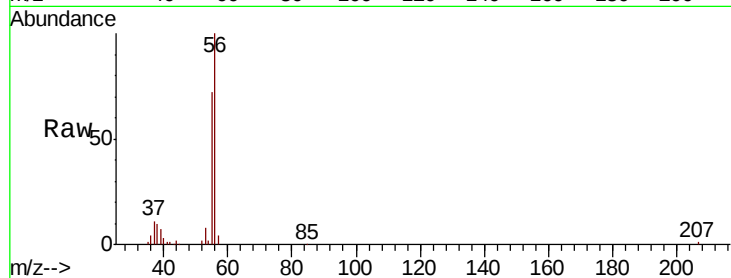
VSTDCCC050

Tgt Ion: 56 Resp: 36678

Ion Ratio Lower Upper

56 100

55 74.2 55.8 83.8



#14

Allyl chloride

Concen: 55.598 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

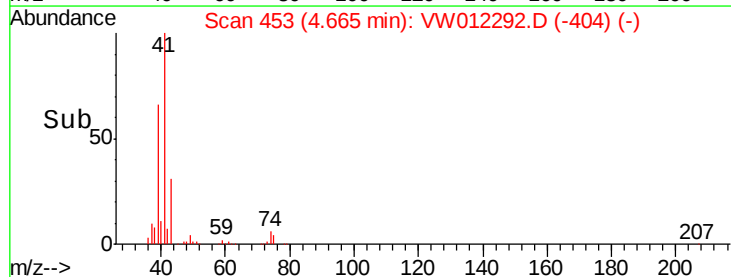
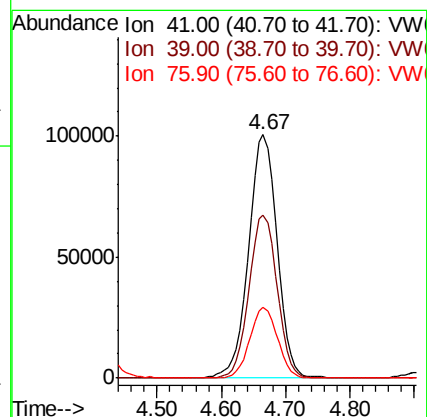
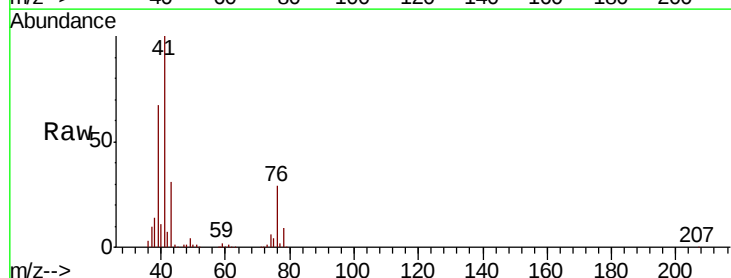
Tgt Ion: 41 Resp: 304692

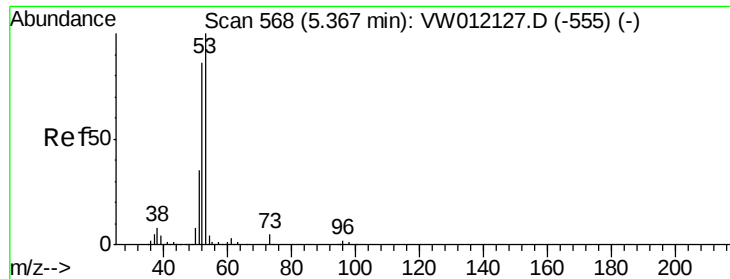
Ion Ratio Lower Upper

41 100

39 66.1 53.4 80.2

76 28.2 22.1 33.1





#15

Acrylonitrile

Concen: 261.297 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

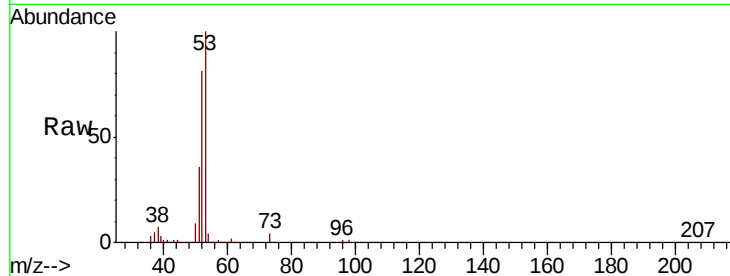
Tgt Ion: 53 Resp: 184197

Ion Ratio Lower Upper

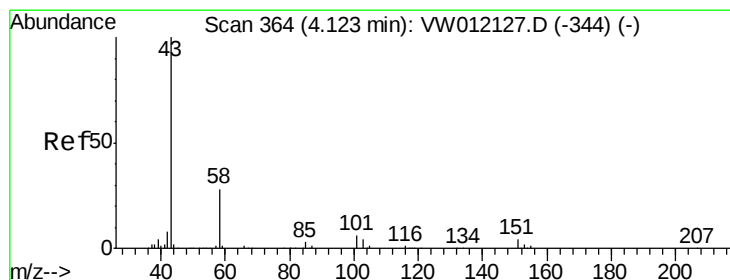
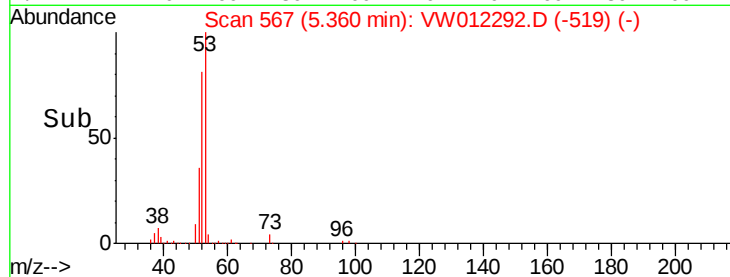
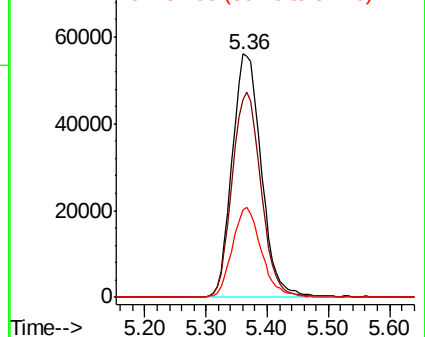
53 100

52 83.7 66.7 100.1

51 37.0 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 252.364 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012292.D

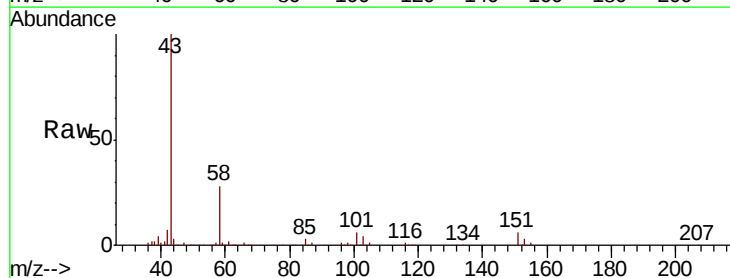
Acq: 29 Aug 2019 09:30

Tgt Ion: 43 Resp: 195982

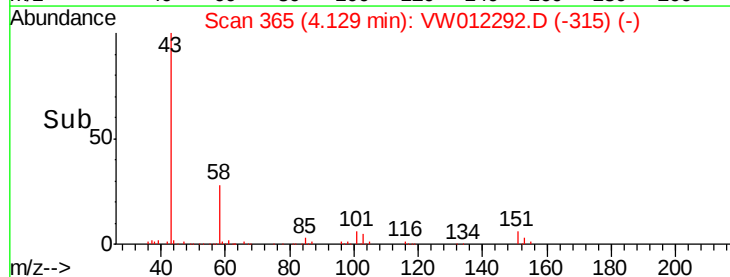
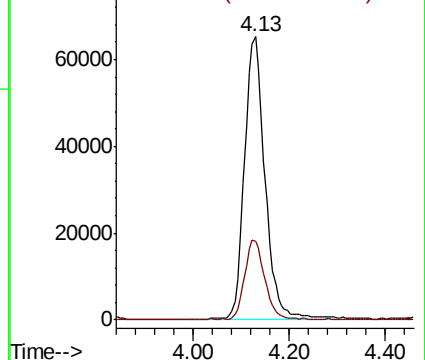
Ion Ratio Lower Upper

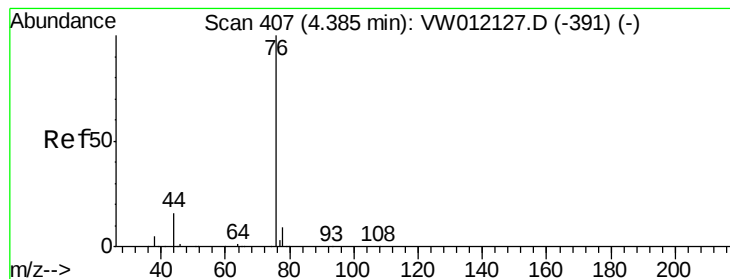
43 100

58 27.6 22.4 33.6



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





#17

Carbon Disulfide

Concen: 53.403 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

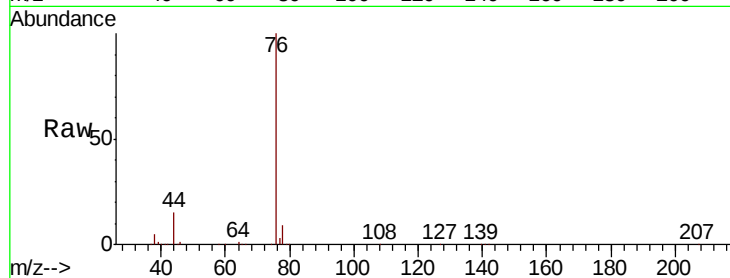
VSTDCCC050

Tgt Ion: 76 Resp: 413720

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

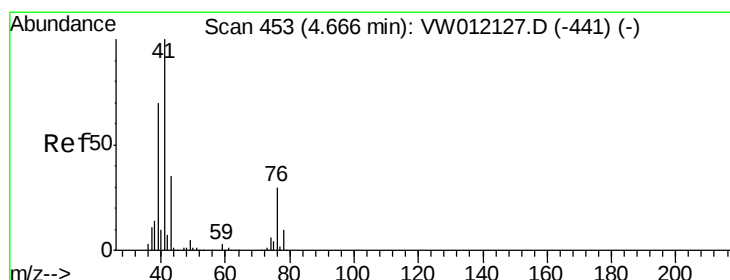
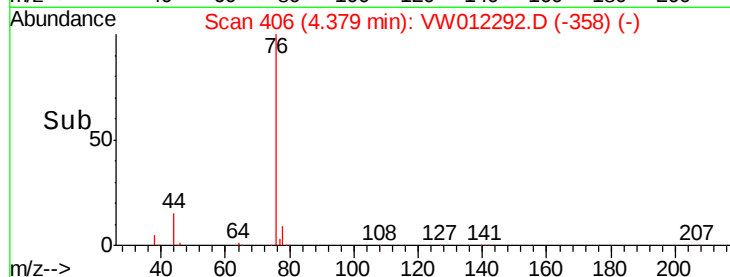
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.082 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012292.D

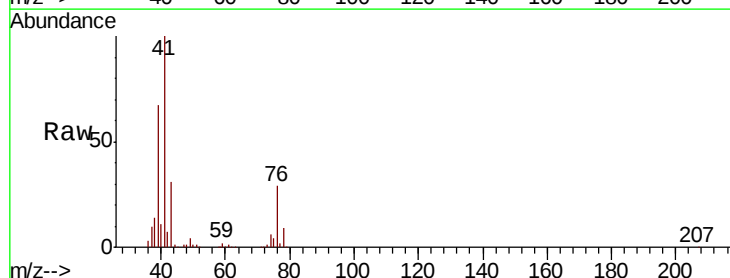
Acq: 29 Aug 2019 09:30

Tgt Ion: 43 Resp: 94408

Ion Ratio Lower Upper

43 100

74 19.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

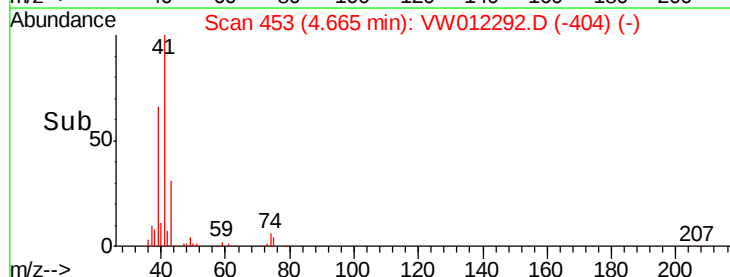
30000

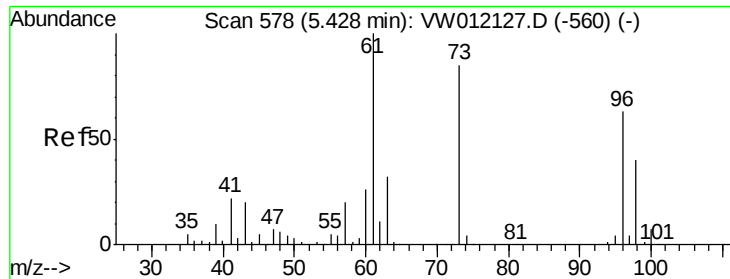
20000

10000

0

Time-->

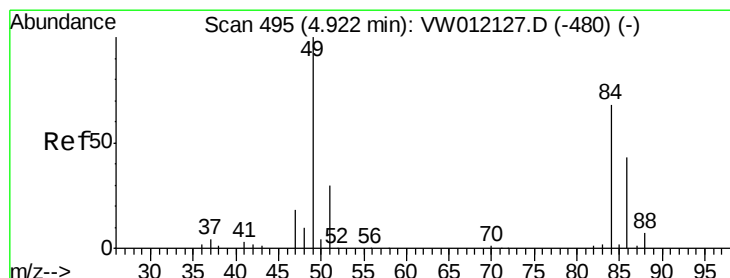
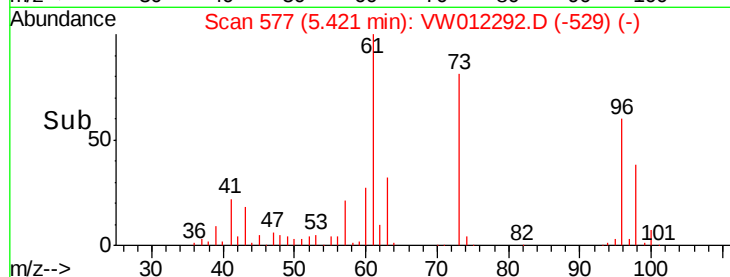
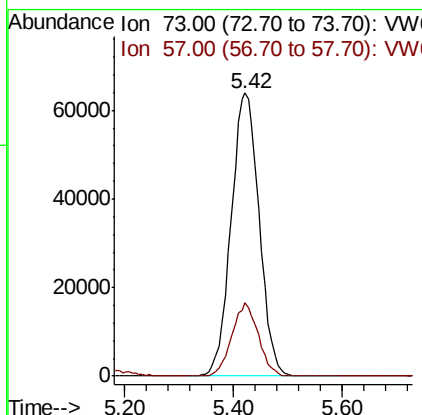
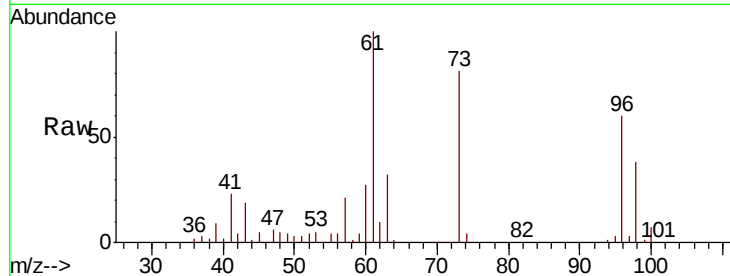




#19
Methyl tert-butyl Ether
Concen: 55.286 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

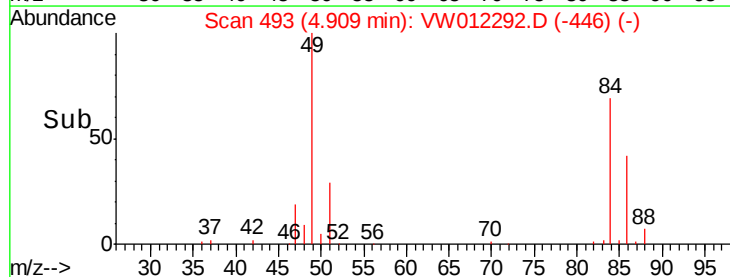
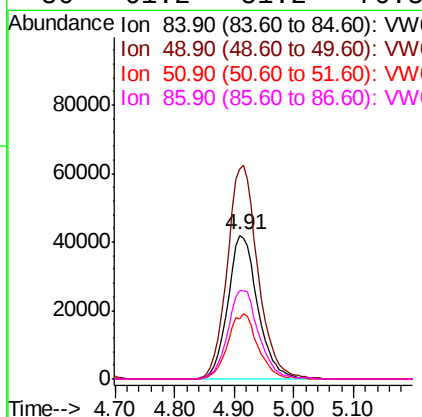
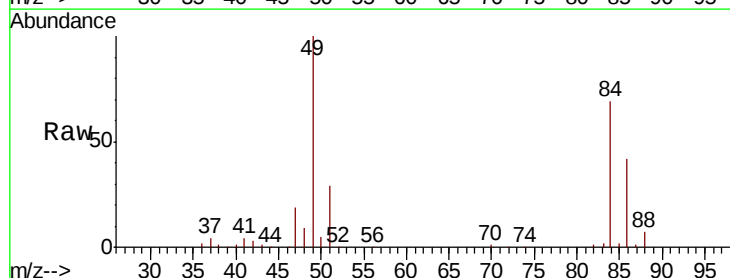
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

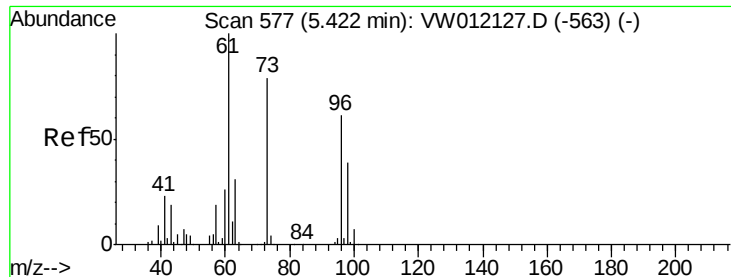
Tgt Ion: 73 Resp: 229185
Ion Ratio Lower Upper
73 100
57 25.9 18.9 28.3



#20
Methylene Chloride
Concen: 49.870 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion: 84 Resp: 146407
Ion Ratio Lower Upper
84 100
49 145.5 117.8 176.8
51 42.2 35.6 53.4
86 61.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 53.705 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

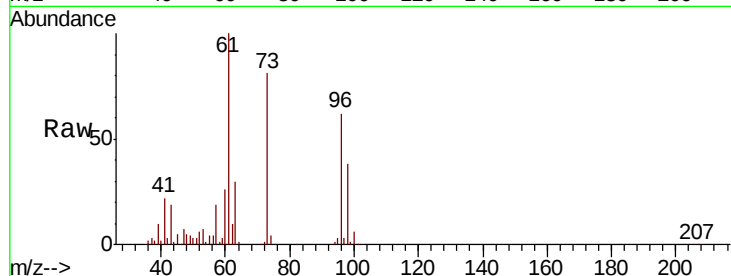
Tgt Ion: 96 Resp: 147629

Ion Ratio Lower Upper

96 100

61 161.2 131.4 197.0

98 61.9 51.4 77.0

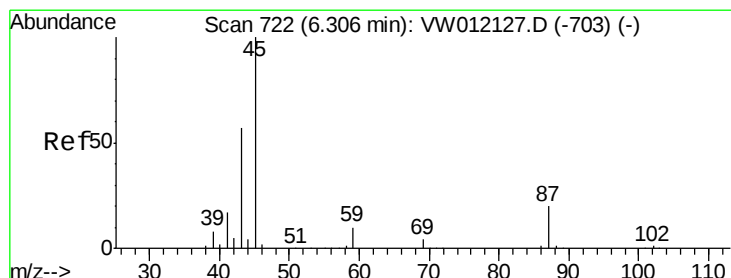
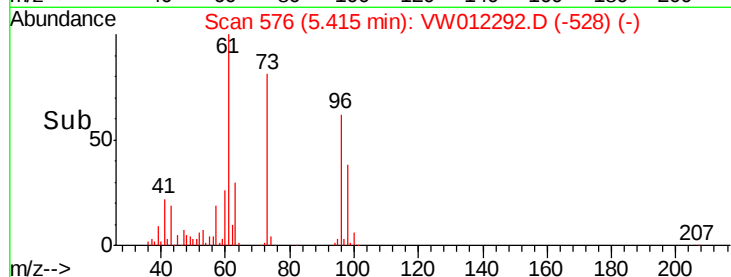
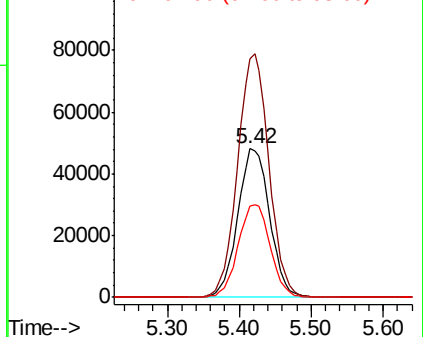


Abundance

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: 53.850 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Tgt Ion: 45 Resp: 547012

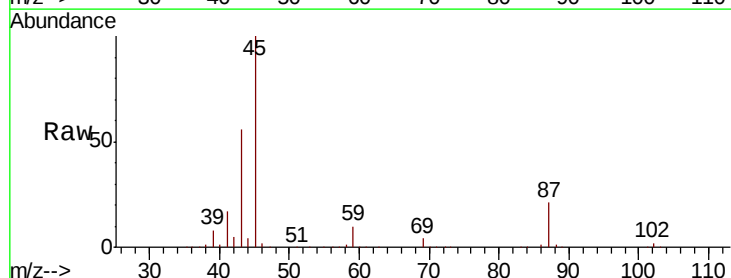
Ion Ratio Lower Upper

45 100

43 56.1 45.5 68.3

87 20.9 16.1 24.1

59 10.2 8.2 12.2



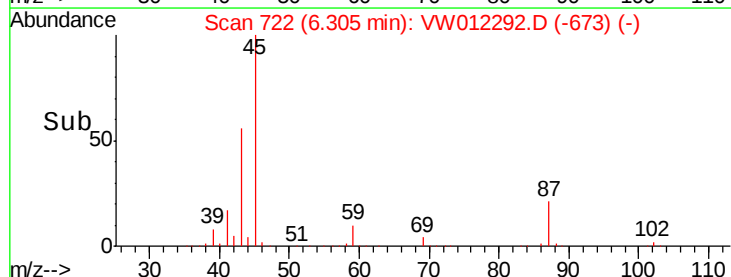
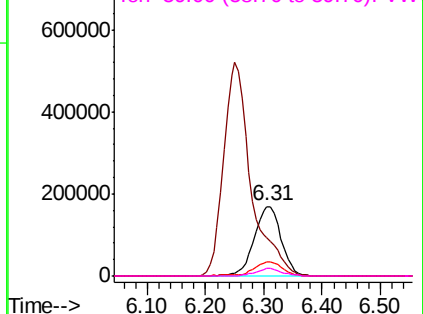
Abundance

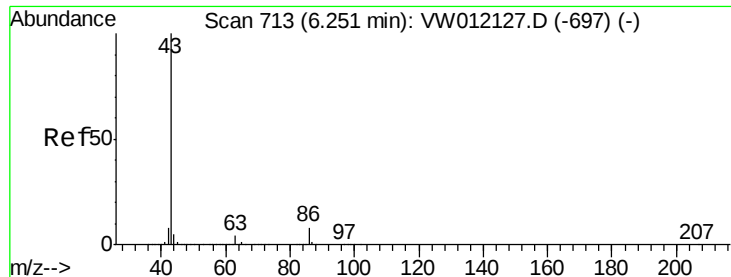
Ion 45.00 (44.70 to 45.70): VW

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: 273.663 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

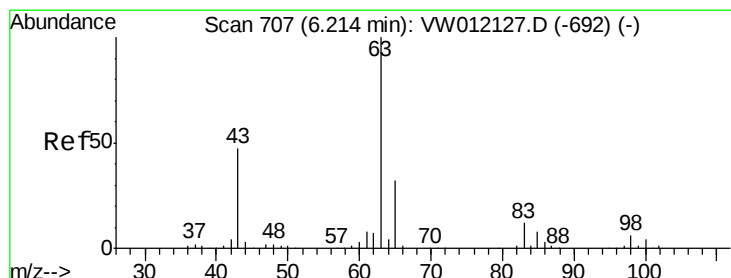
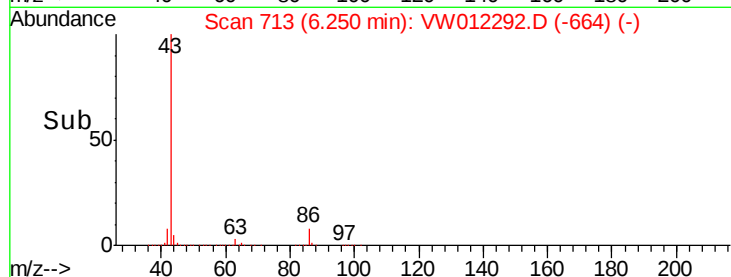
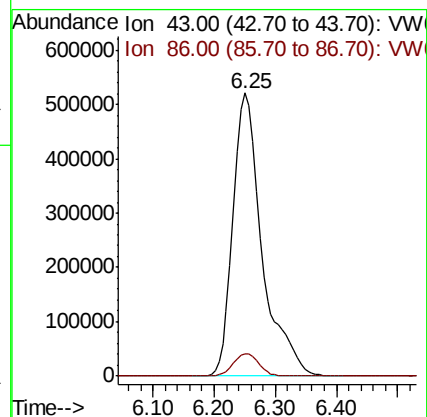
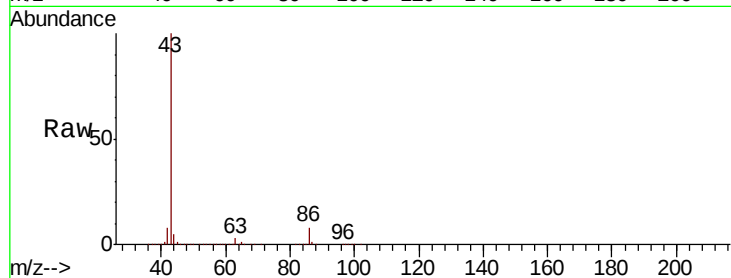
VSTDCCC050

Tgt Ion: 43 Resp: 1710797

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 52.991 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

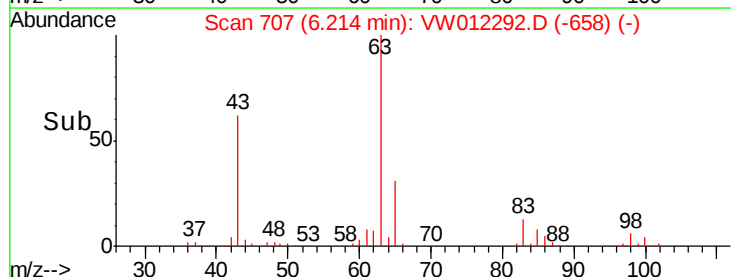
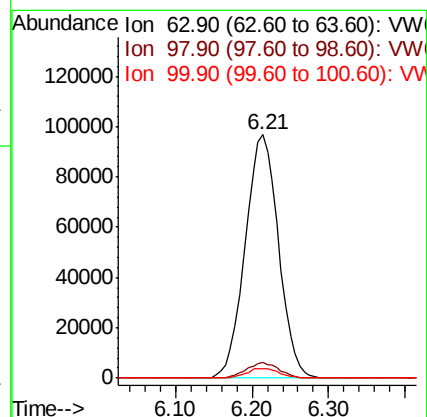
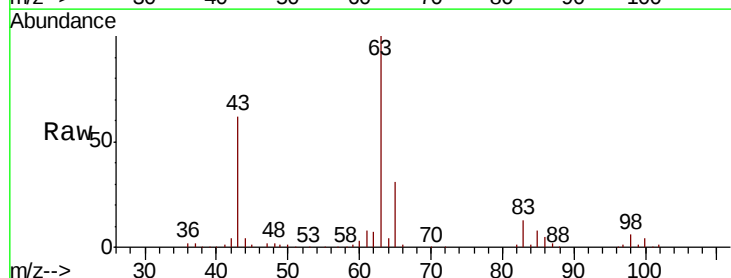
Tgt Ion: 63 Resp: 293087

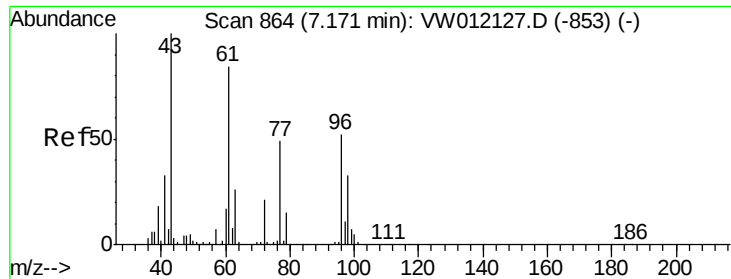
Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 248.754 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

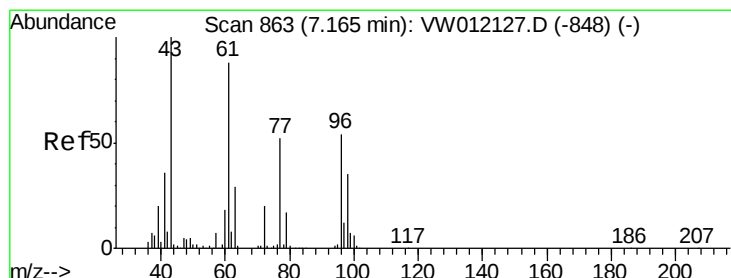
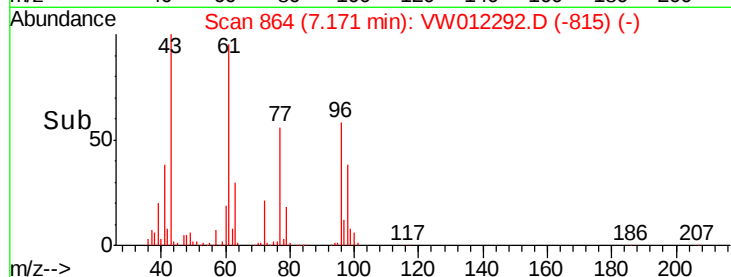
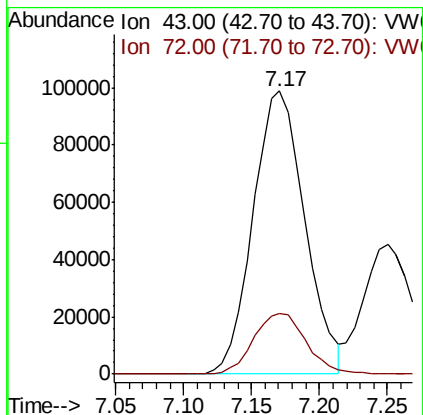
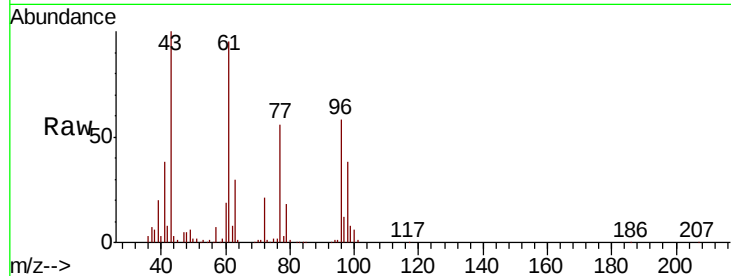
VSTDCCC050

Tgt Ion: 43 Resp: 262507

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 55.456 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012292.D

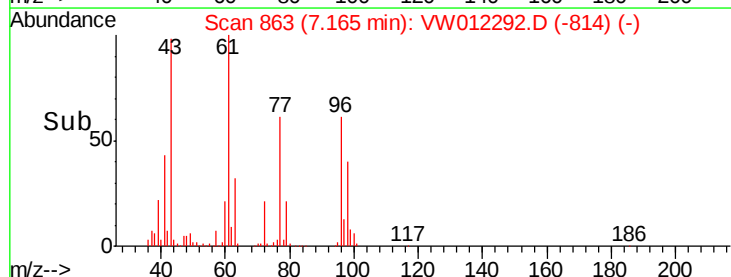
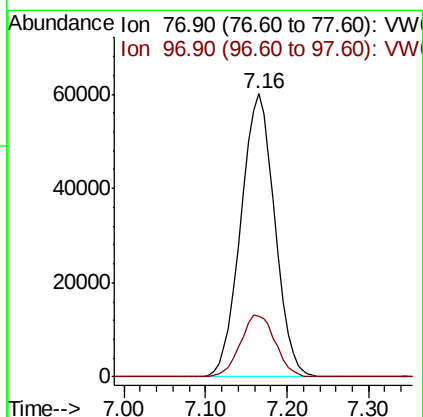
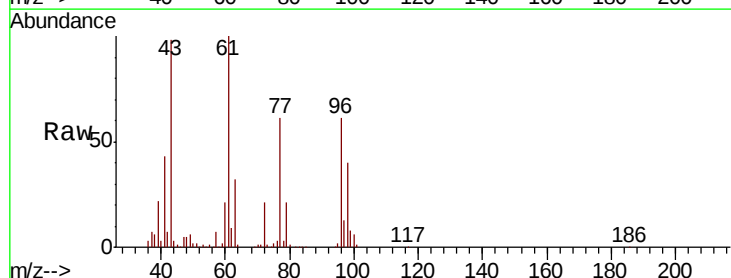
Acq: 29 Aug 2019 09:30

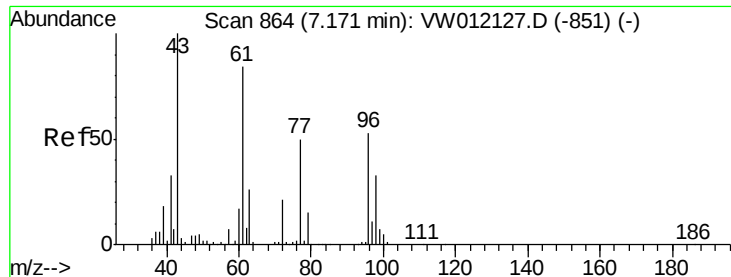
Tgt Ion: 77 Resp: 173609

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.1



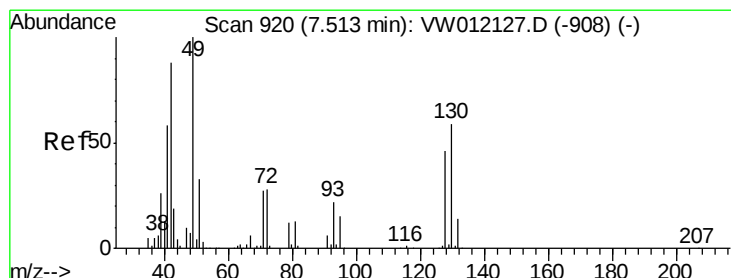
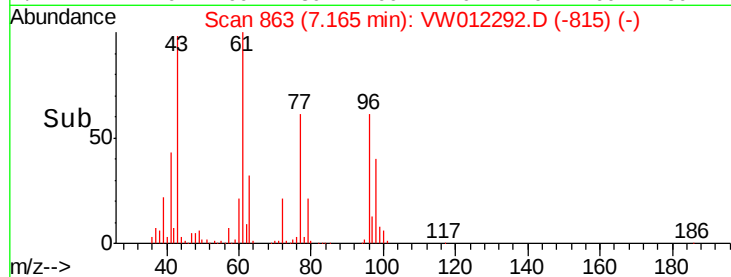
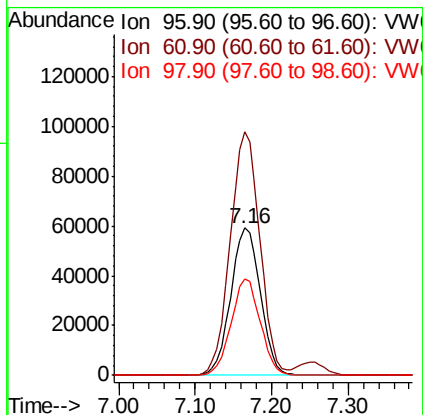
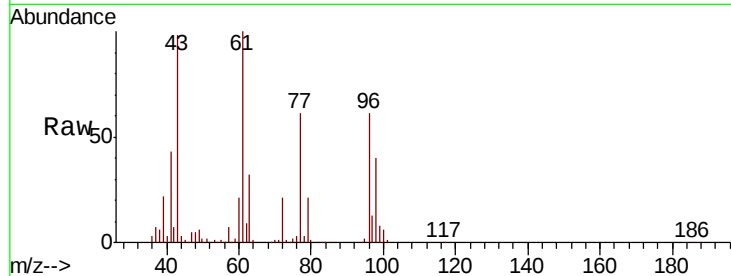


#27

cis-1,2-Dichloroethene
Concen: 54.012 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

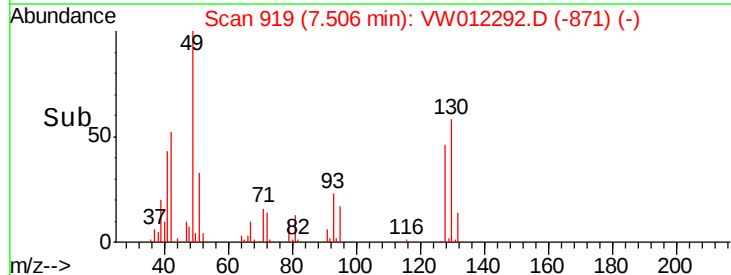
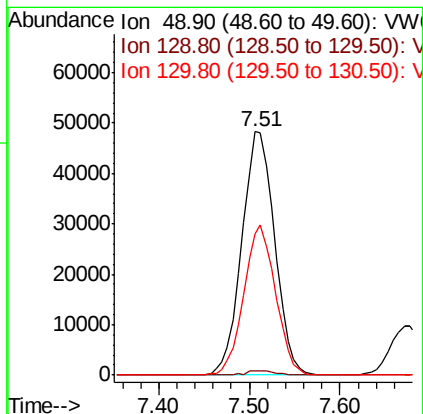
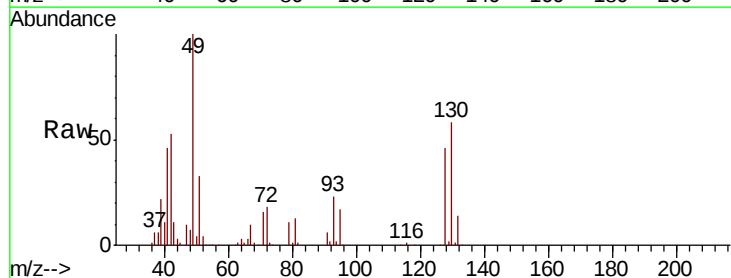
Tgt Ion: 96 Resp: 158631
Ion Ratio Lower Upper
96 100
61 164.6 0.0 326.6
98 64.5 0.0 127.4

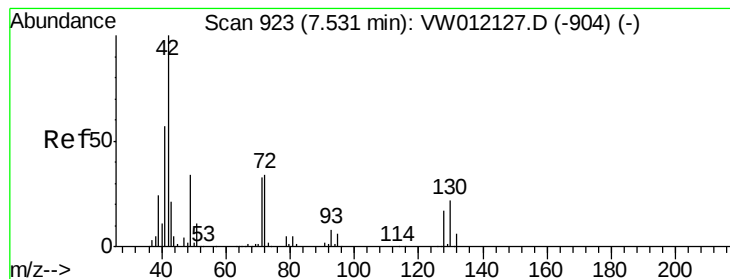


#28

Bromochloromethane
Concen: 50.390 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion: 49 Resp: 121472
Ion Ratio Lower Upper
49 100
129 1.5 0.0 1.4#
130 59.3 45.5 68.3





#29

Tetrahydrofuran

Concen: 259.033 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

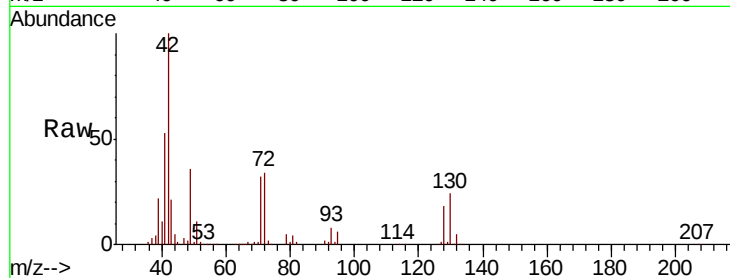
Tgt Ion: 42 Resp: 164001

Ion Ratio Lower Upper

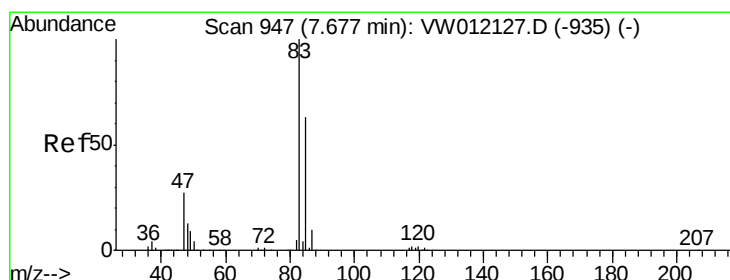
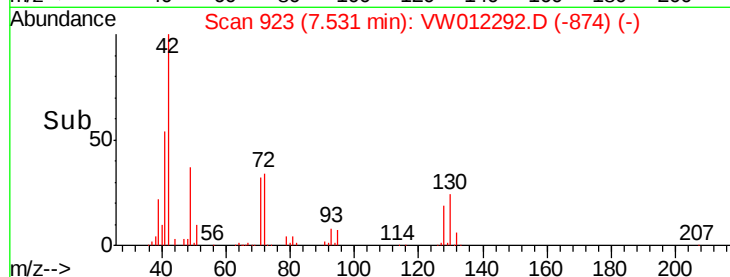
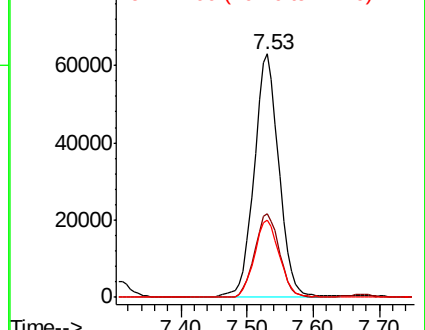
42 100

72 34.3 27.3 40.9

71 32.3 25.5 38.3



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



#30

Chloroform

Concen: 52.790 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012292.D

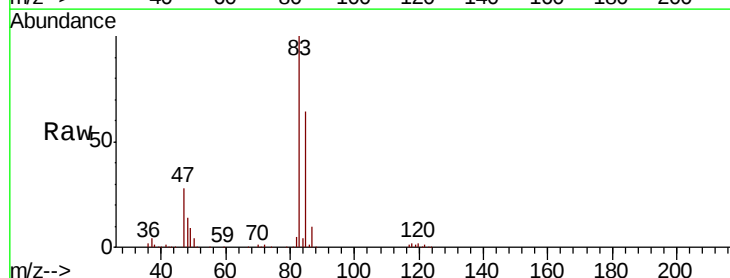
Acq: 29 Aug 2019 09:30

Tgt Ion: 83 Resp: 267129

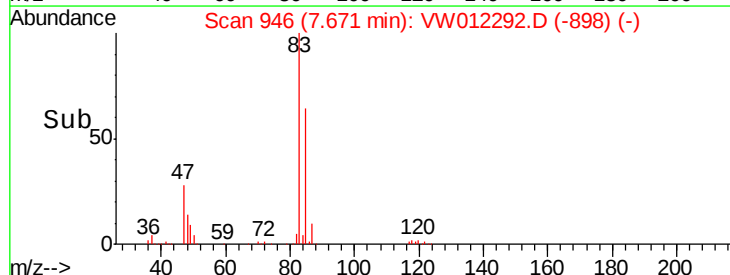
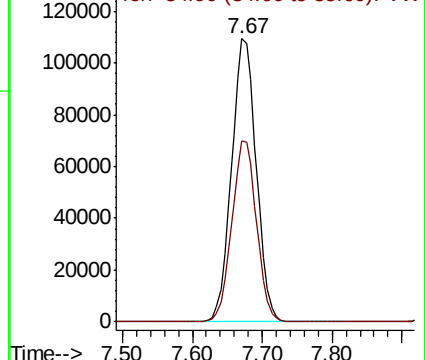
Ion Ratio Lower Upper

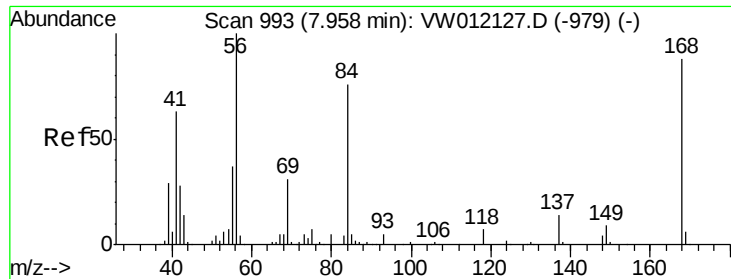
83 100

85 64.1 50.6 76.0



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

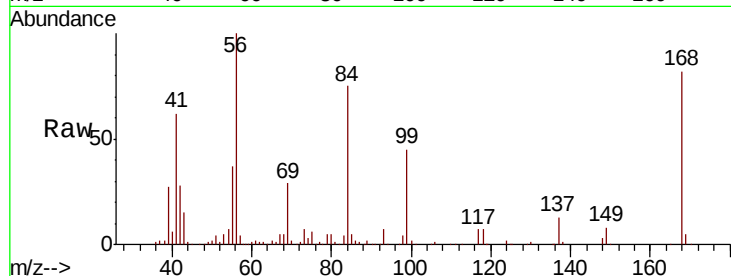




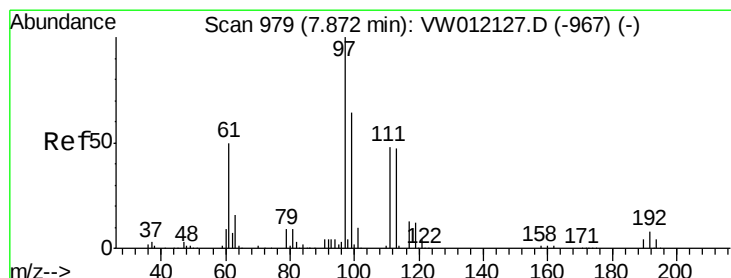
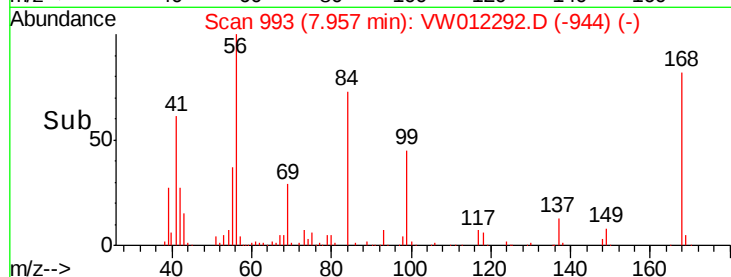
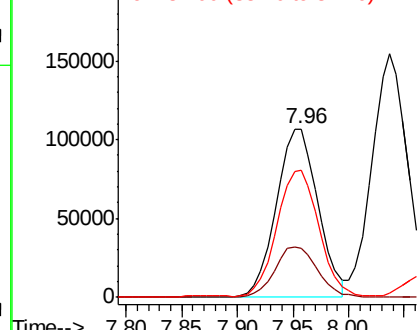
#31
Cyclohexane
Concen: 50.780 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 277874
Ion Ratio Lower Upper
56 100
69 29.3 24.9 37.3
84 74.3 60.6 90.8

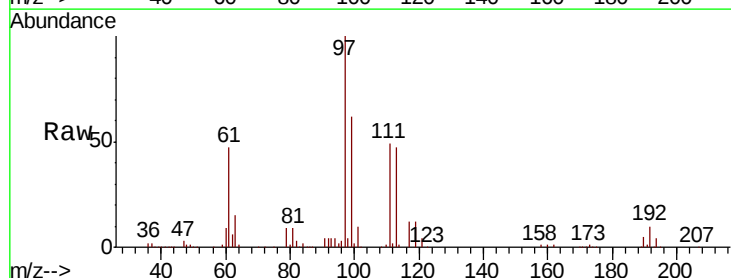


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

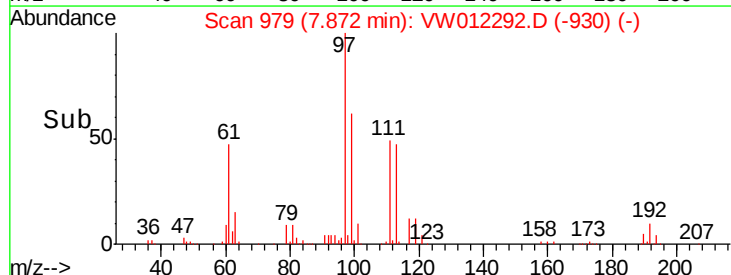
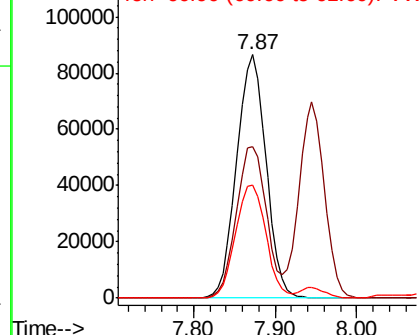


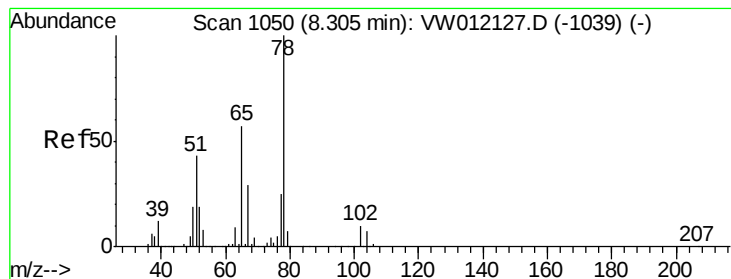
#32
1,1,1-Trichloroethane
Concen: 53.940 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion: 97 Resp: 215922
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 48.2 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: 49.010 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

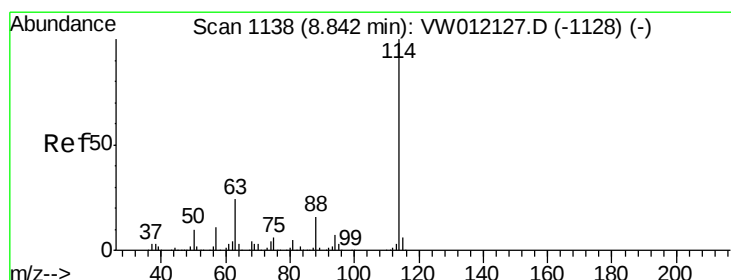
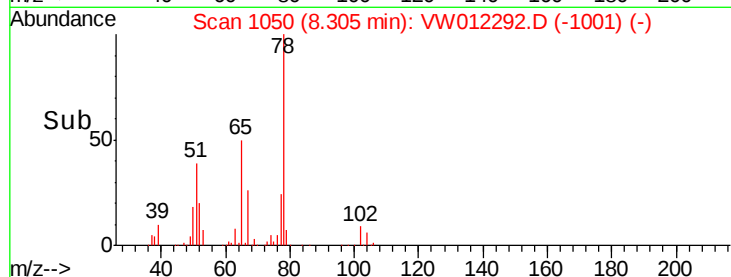
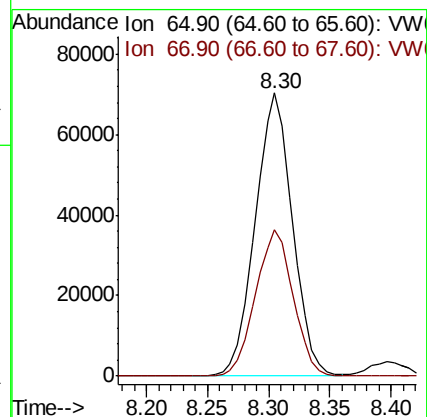
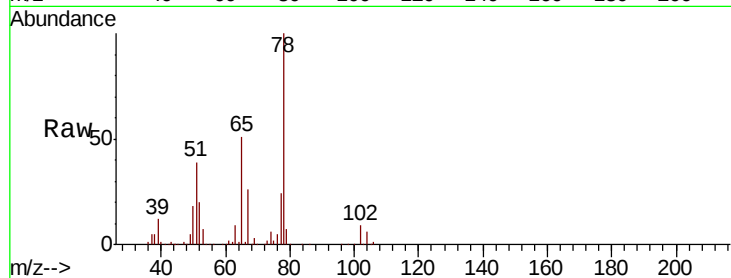
VSTDCCC050

Tgt Ion: 65 Resp: 148893

Ion Ratio Lower Upper

65 100

67 52.3 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: VW012292.D

Acq: 29 Aug 2019 09:30

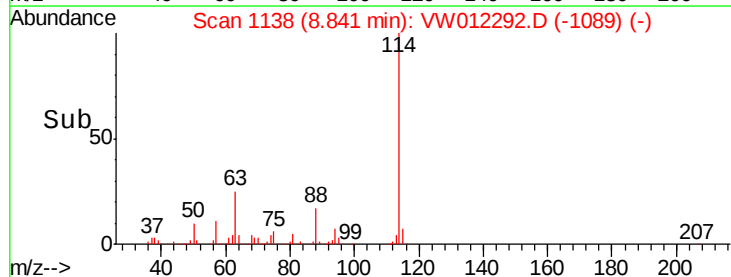
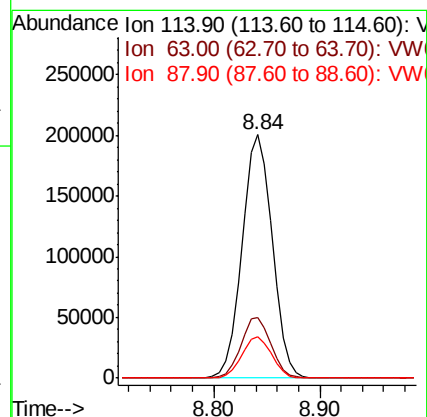
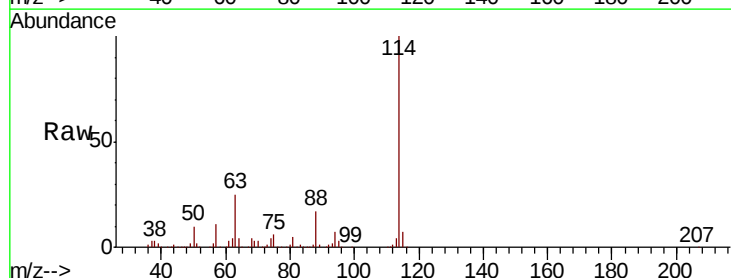
Tgt Ion: 114 Resp: 399610

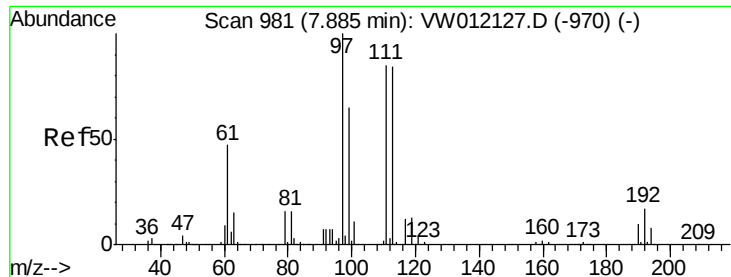
Ion Ratio Lower Upper

114 100

63 25.0 0.0 48.6

88 16.9 0.0 32.2

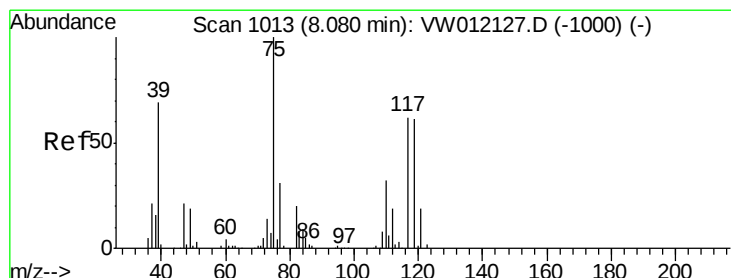
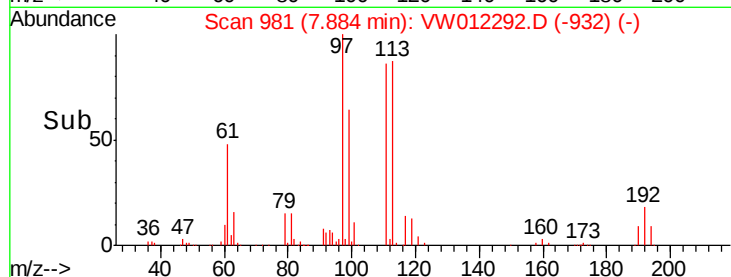
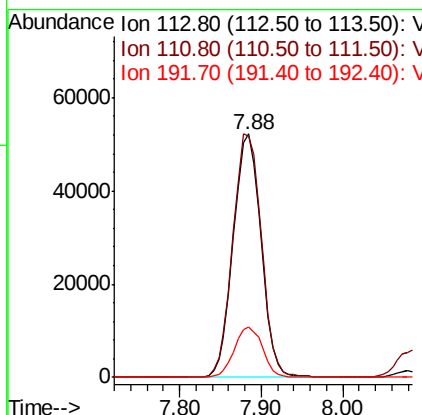
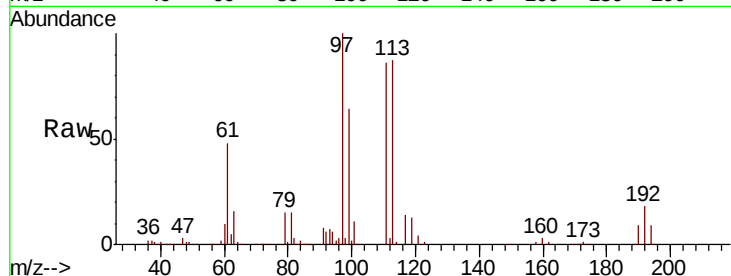




#35
 Dibromofluoromethane
 Concen: 51.496 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

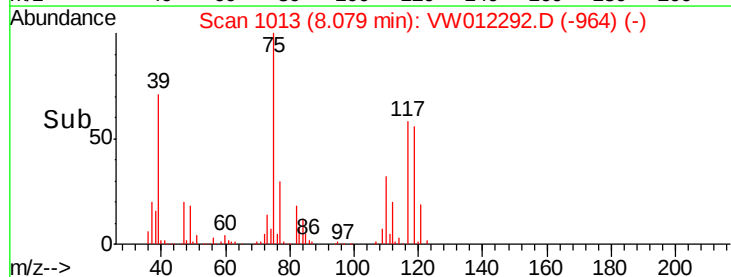
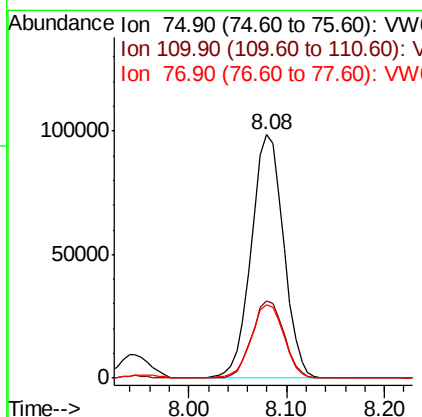
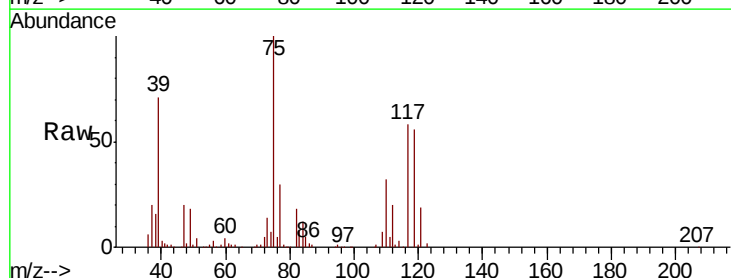
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

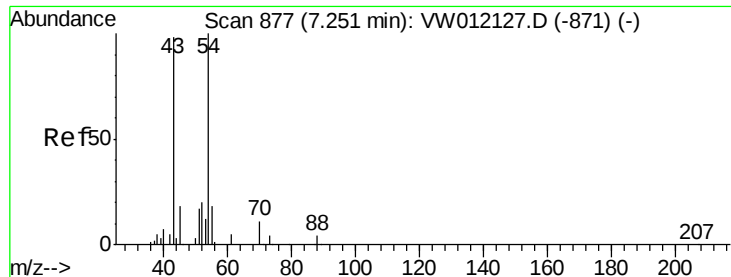
Tgt Ion: 113 Resp: 122832
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 20.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 54.952 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion: 75 Resp: 226926
 Ion Ratio Lower Upper
 75 100
 110 31.7 15.6 46.8
 77 30.8 24.6 36.8

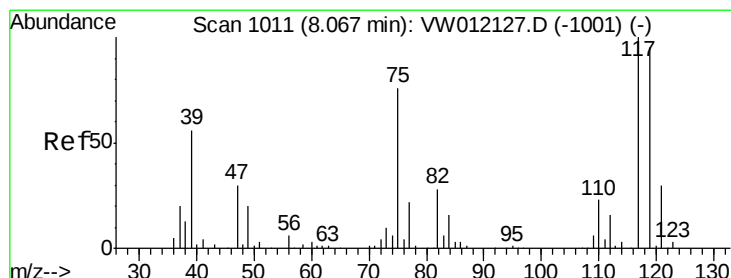
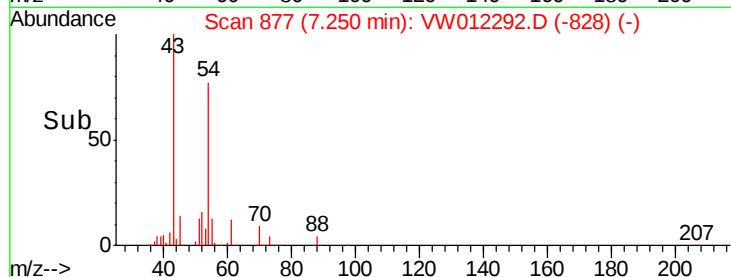
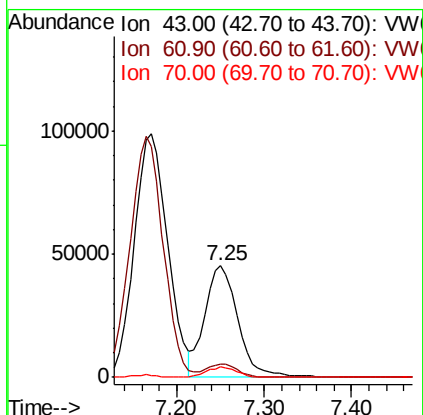
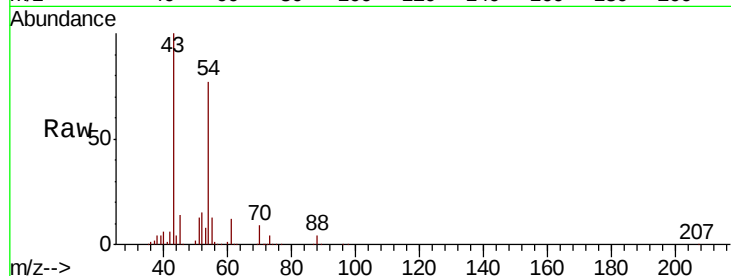




#37
Ethyl Acetate
Concen: 52.034 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

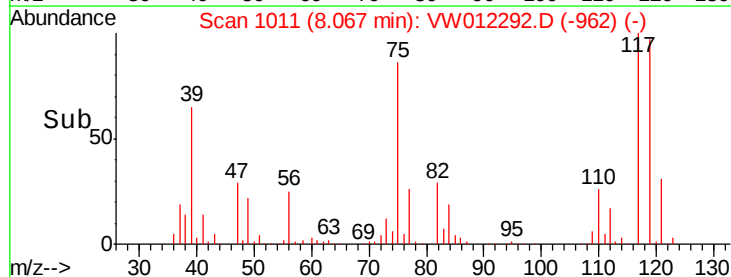
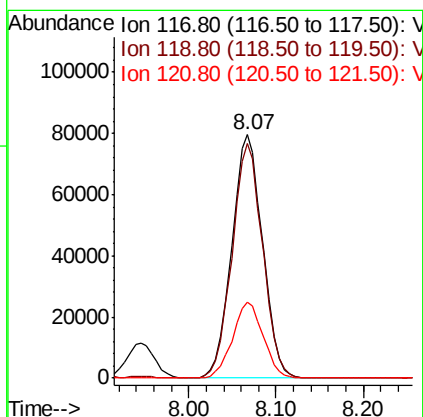
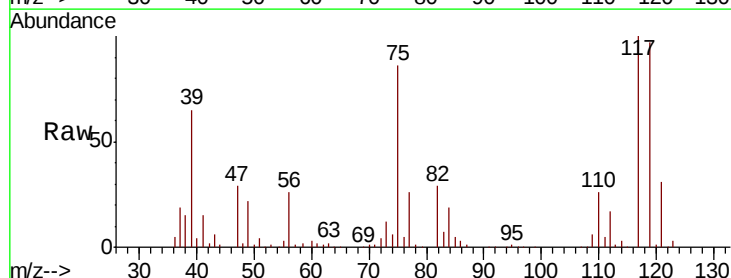
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

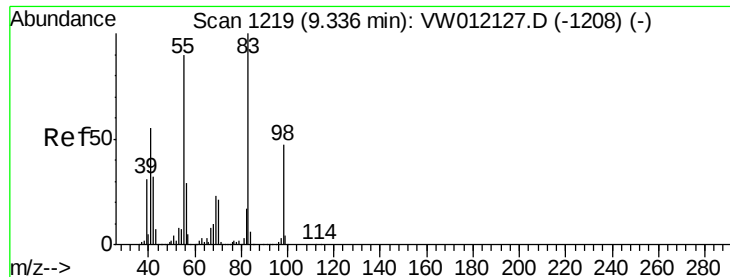
Tgt Ion: 43 Resp: 117749
Ion Ratio Lower Upper
43 100
61 11.5 9.2 13.8
70 8.7 6.9 10.3



#38
Carbon Tetrachloride
Concen: 54.291 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion: 117 Resp: 194046
Ion Ratio Lower Upper
117 100
119 96.5 76.2 114.2
121 31.2 23.8 35.8

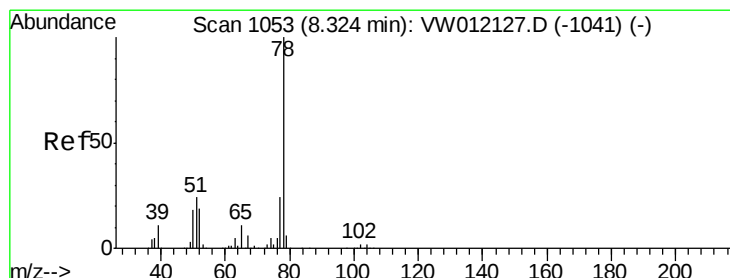
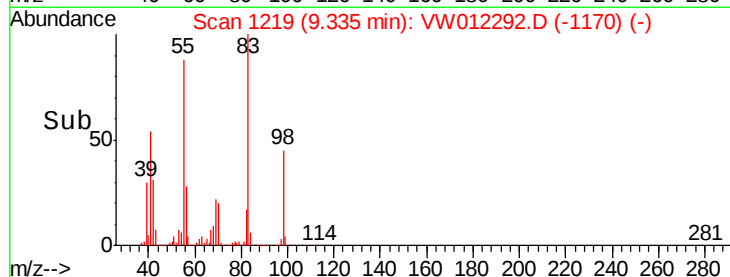
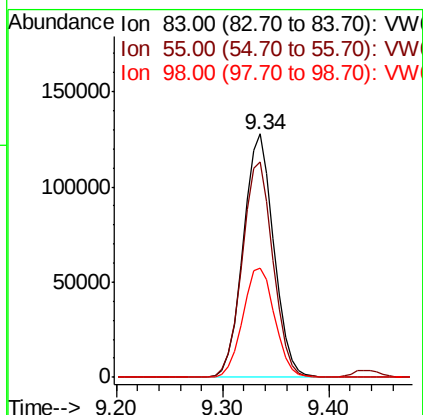
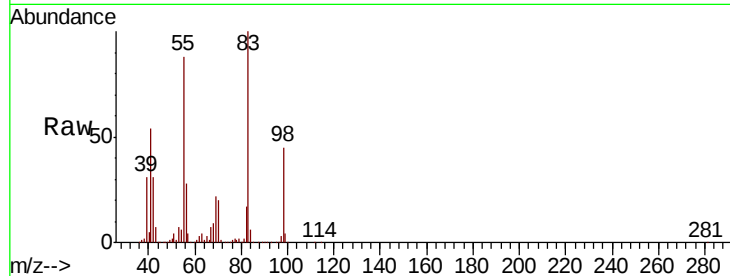




#39
Methylcyclohexane
Concen: 55.511 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

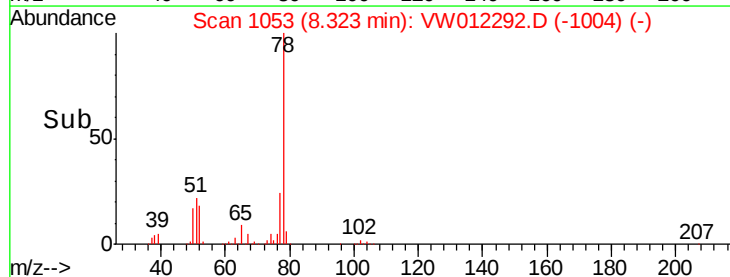
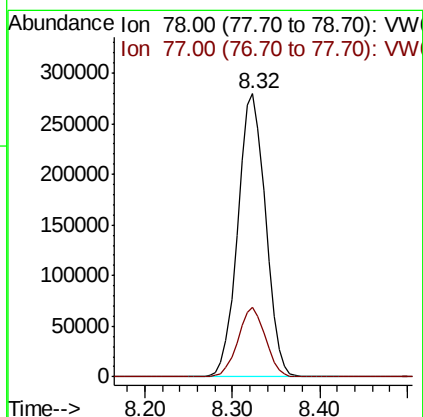
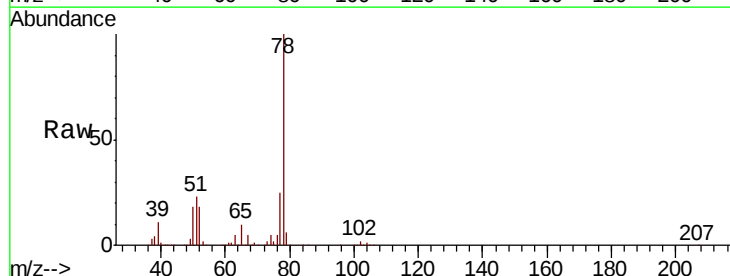
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

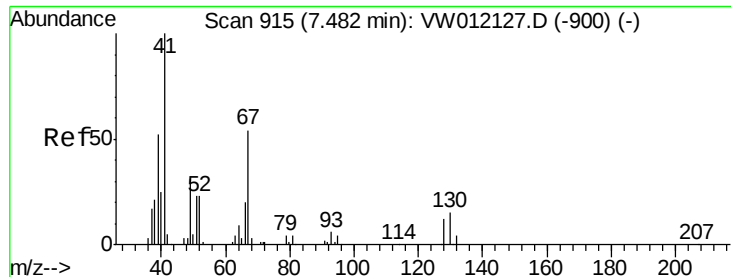
Tgt Ion: 83 Resp: 257524
Ion Ratio Lower Upper
83 100
55 88.4 71.8 107.8
98 44.9 37.8 56.8



#40
Benzene
Concen: 54.634 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion: 78 Resp: 616053
Ion Ratio Lower Upper
78 100
77 24.6 19.5 29.3

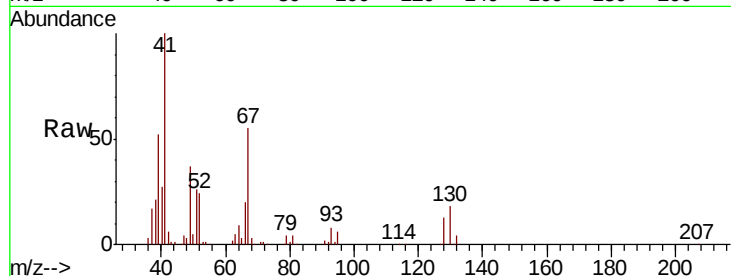




#41
Methacrylonitrile
Concen: 54.144 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	72011
Ion	Ratio	Lower	Upper
41	100		
39	58.2	45.8	68.8
67	58.4	46.2	69.4
52	26.1	21.0	31.6



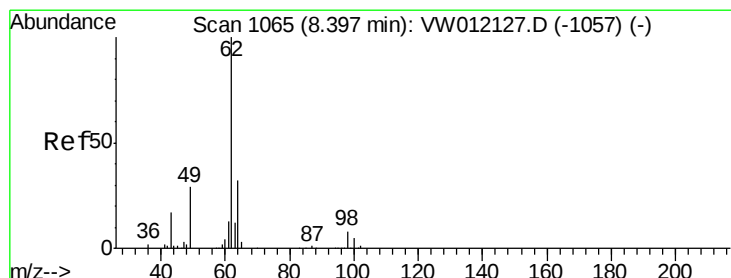
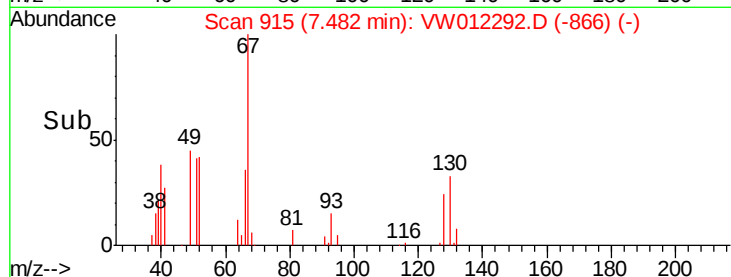
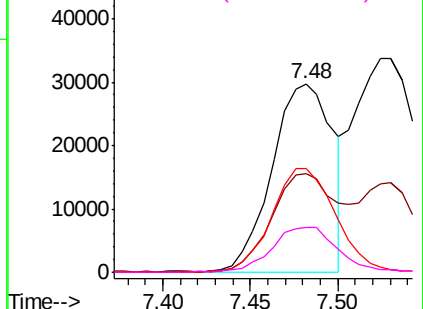
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

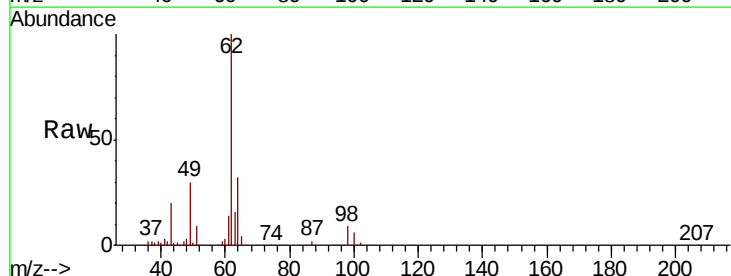
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 53.188 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

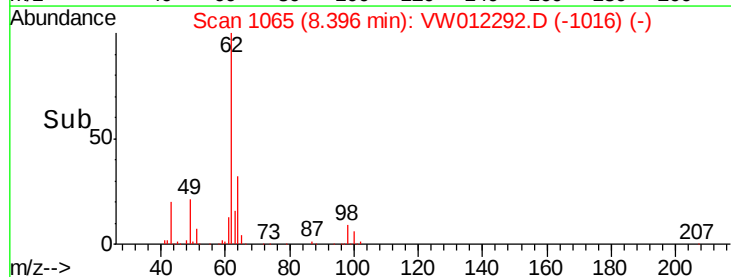
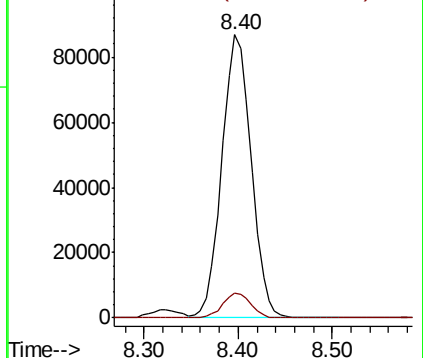
Tgt Ion:	62	Resp:	187964
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6

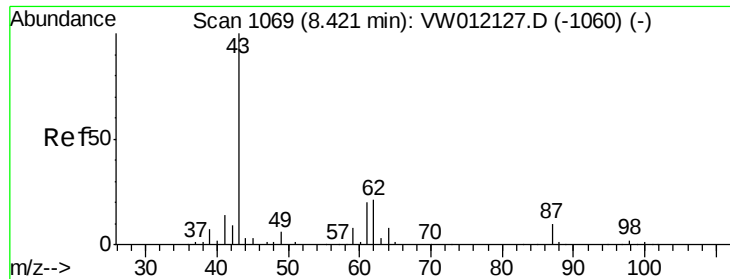


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 54.116 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

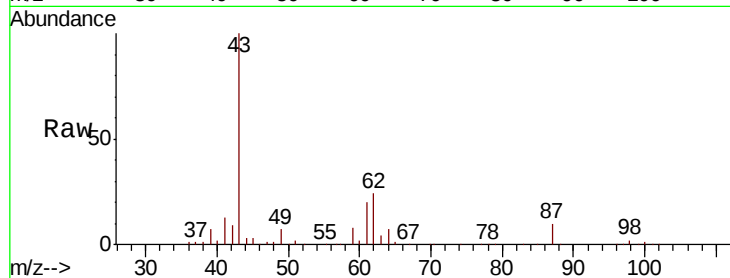
Tgt Ion: 43 Resp: 226834

Ion Ratio Lower Upper

43 100

61 26.6 21.1 31.7

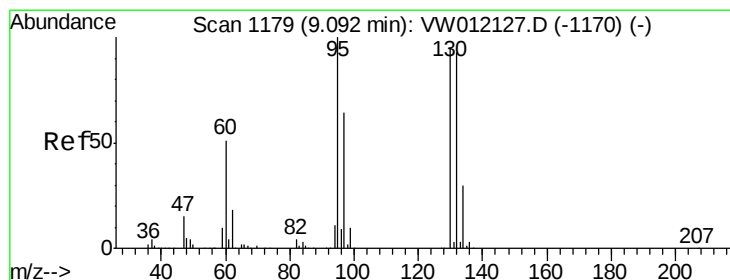
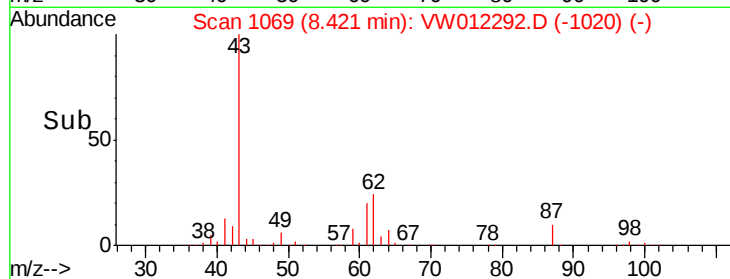
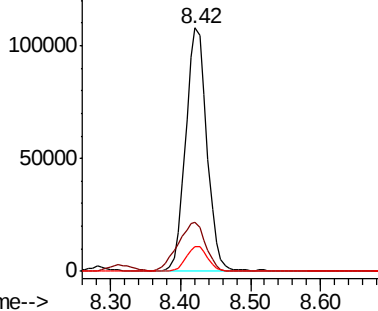
87 10.4 8.2 12.2



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: 54.416 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012292.D

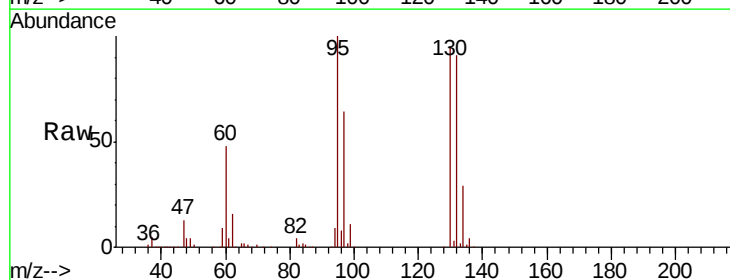
Acq: 29 Aug 2019 09:30

Tgt Ion: 130 Resp: 149162

Ion Ratio Lower Upper

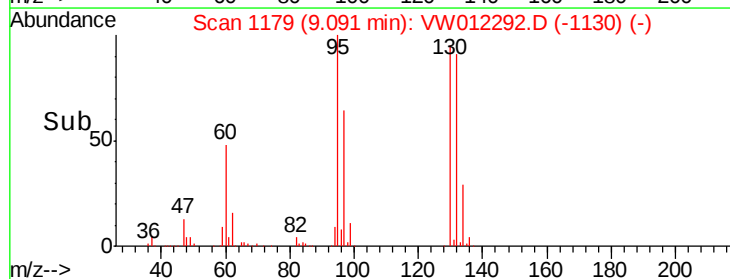
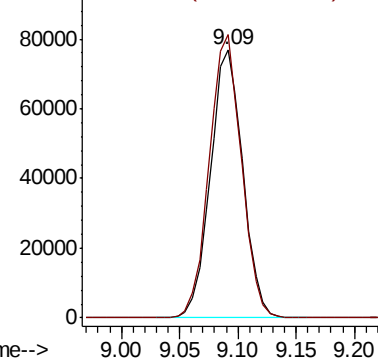
130 100

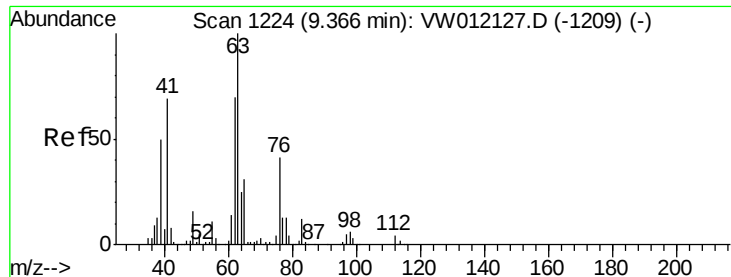
95 105.6 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

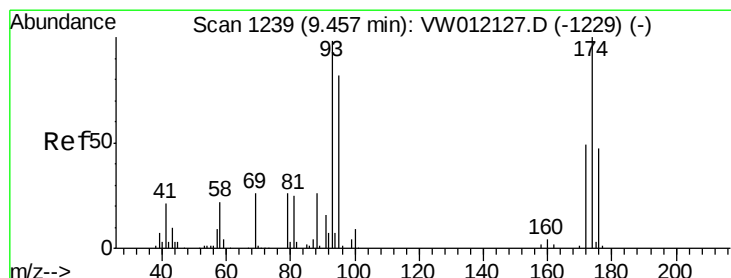
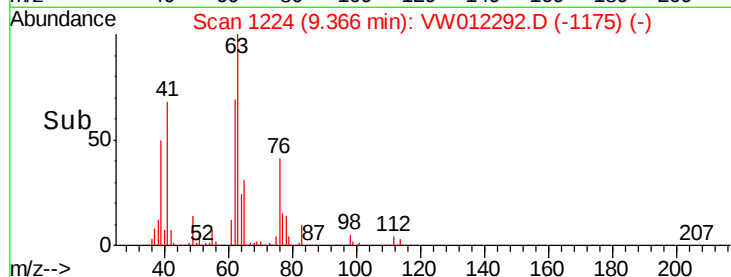
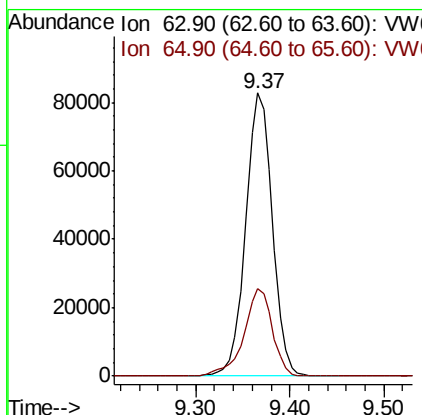
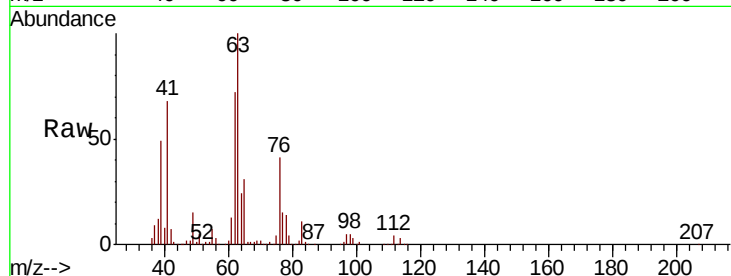




#45
 1,2-Dichloropropane
 Concen: 54.120 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

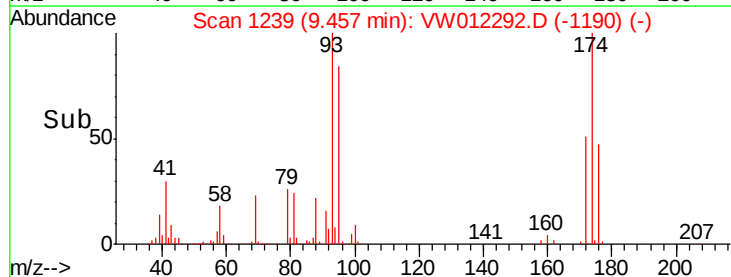
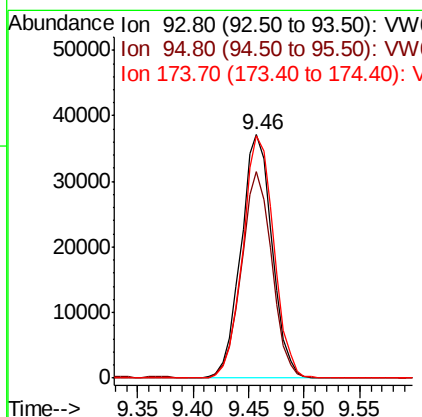
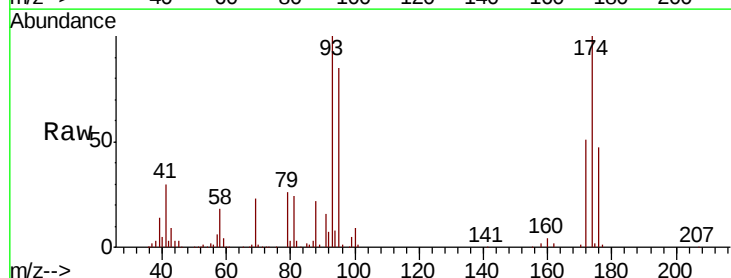
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

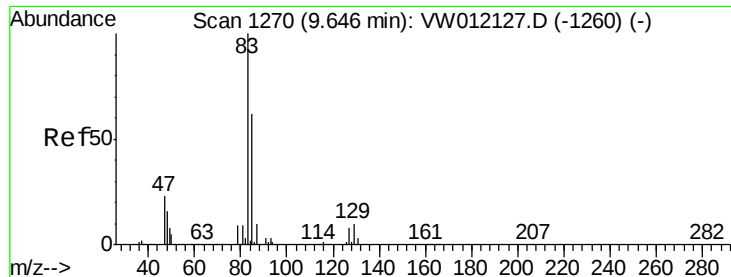
Tgt Ion: 63 Resp: 164238
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.4



#46
 Dibromomethane
 Concen: 53.298 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion: 93 Resp: 71964
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.2 100.8
 174 99.7 79.0 118.6





#47

Bromodichloromethane

Concen: 54.236 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

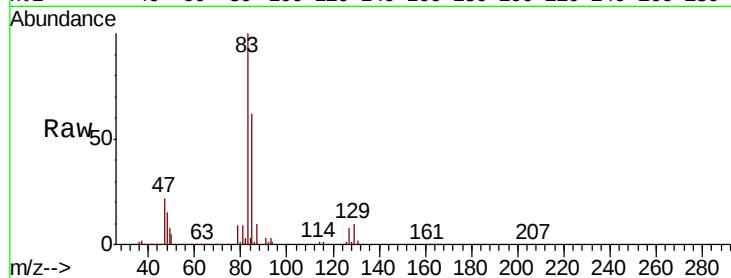
Tgt Ion: 83 Resp: 194897

Ion Ratio Lower Upper

83 100

85 62.0 49.4 74.2

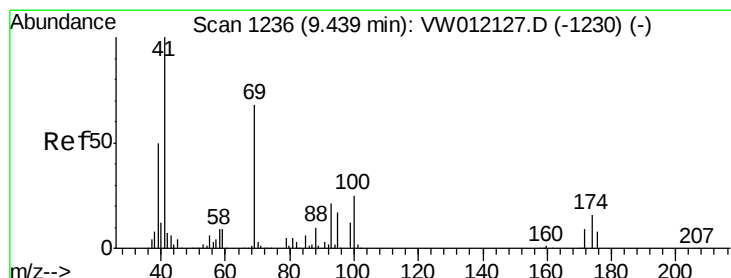
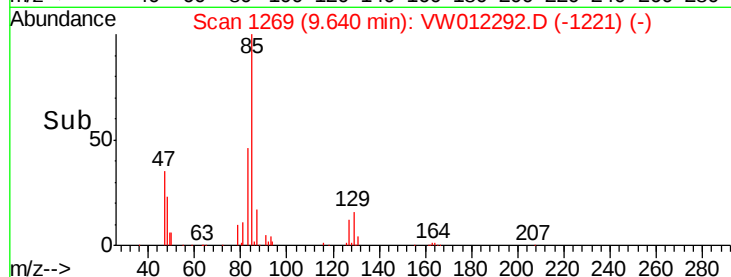
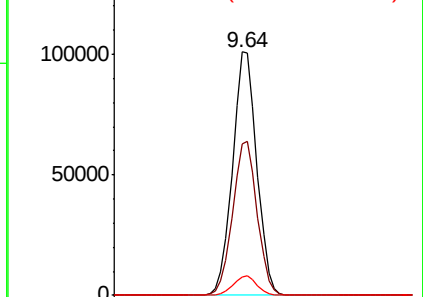
127 7.5 6.1 9.1



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: 54.836 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

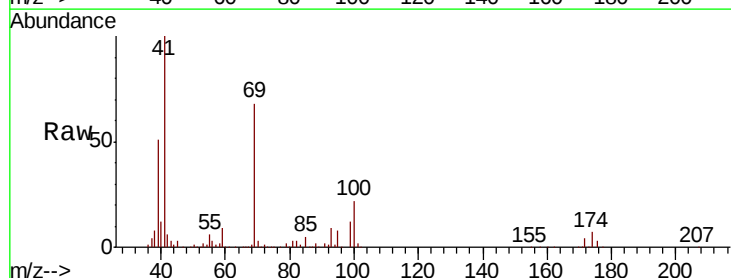
Tgt Ion: 41 Resp: 109397

Ion Ratio Lower Upper

41 100

69 70.7 56.7 85.1

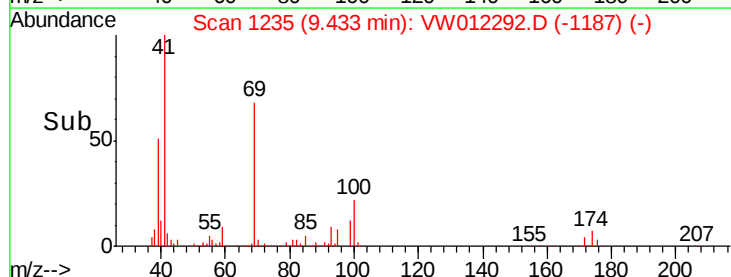
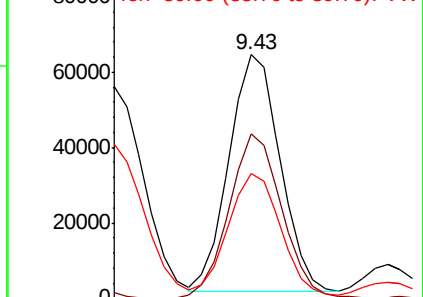
39 51.7 42.0 63.0

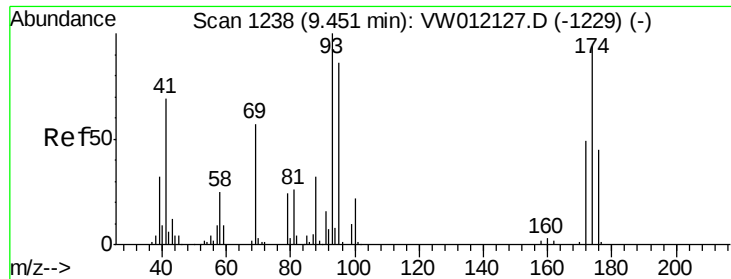


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

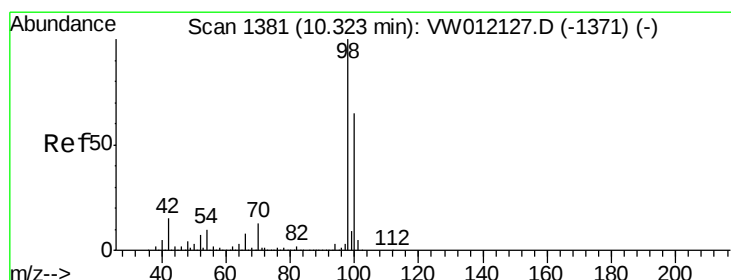
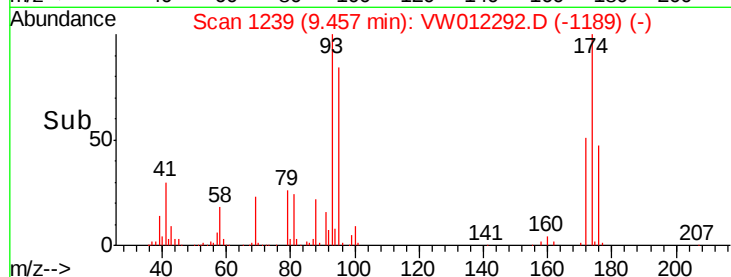
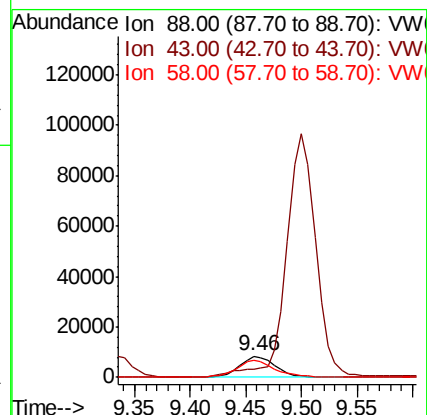
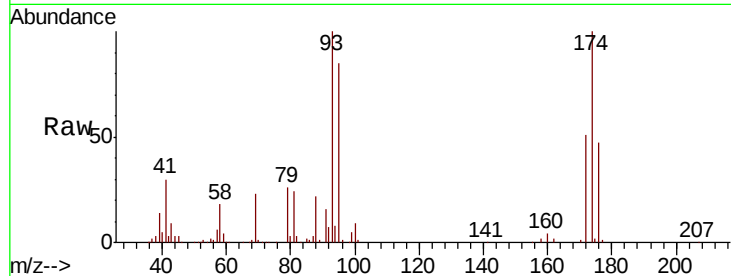




#49
1,4-Dioxane
Concen: 904.242 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

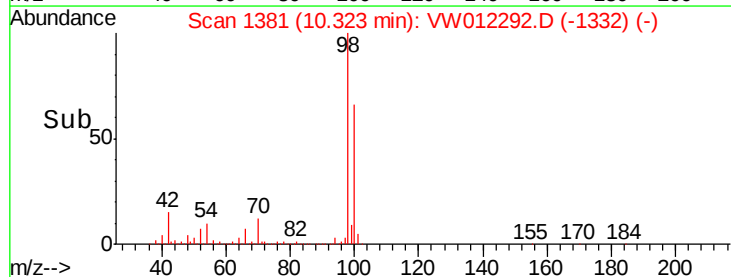
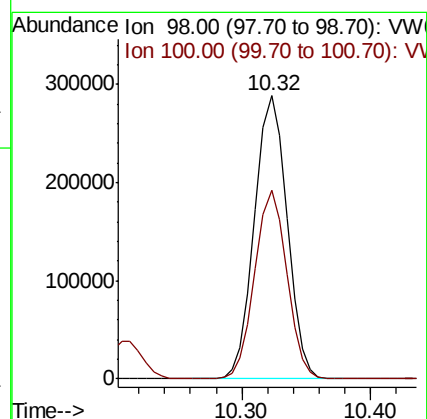
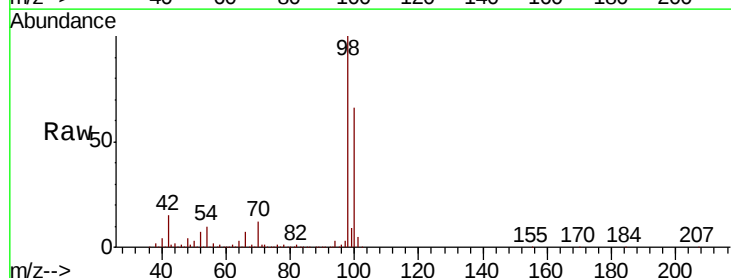
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

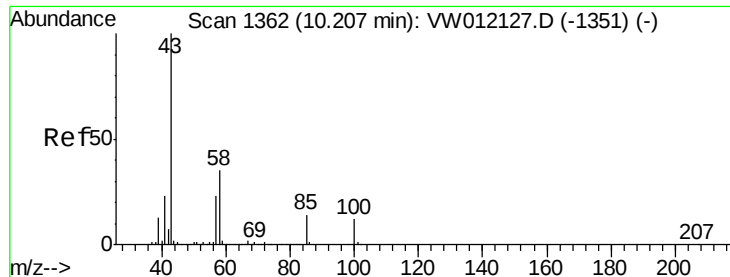
Tgt Ion: 88 Resp: 18691
Ion Ratio Lower Upper
88 100
43 0.0 32.9 49.3#
58 87.0 71.0 106.4



#50
Toluene-d8
Concen: 52.288 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion: 98 Resp: 505712
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6

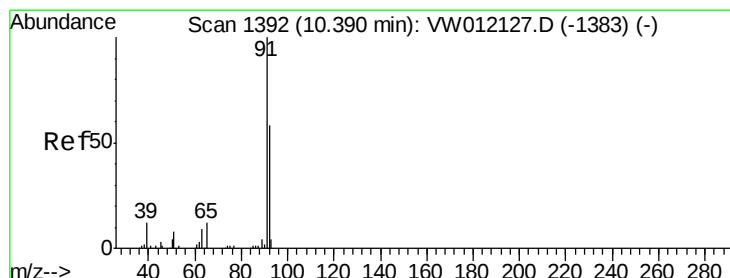
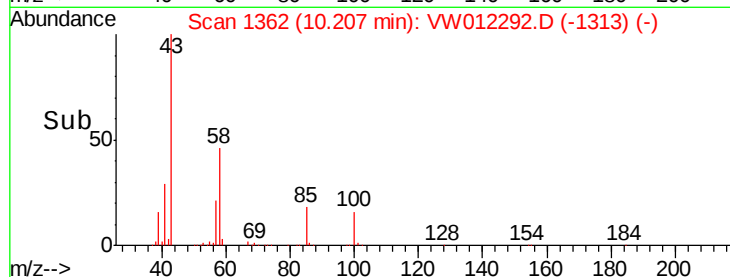
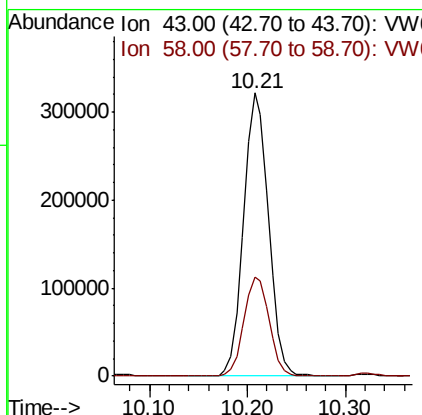
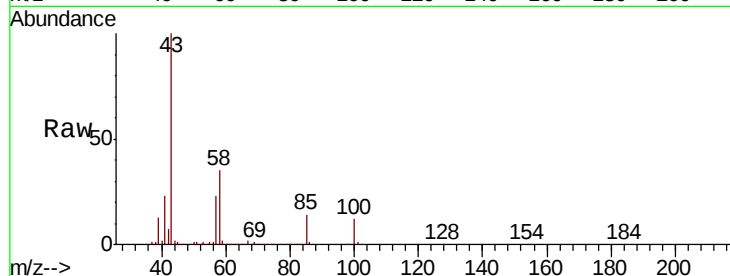




#51
 4-Methyl-2-Pentanone
 Concen: 265.791 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

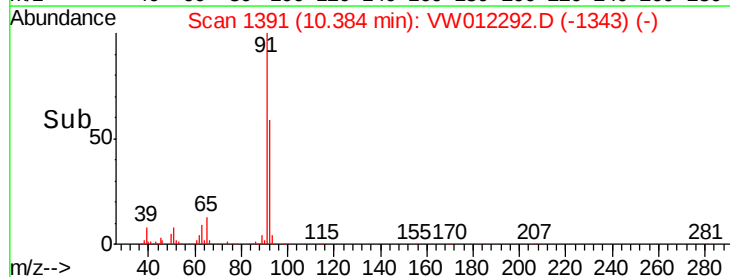
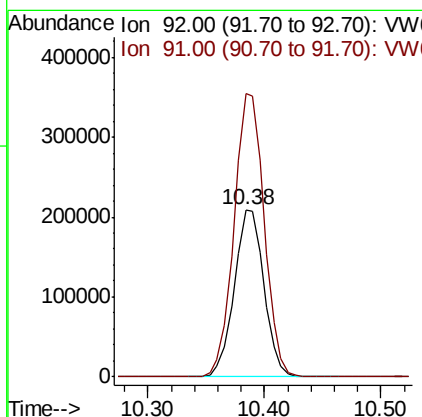
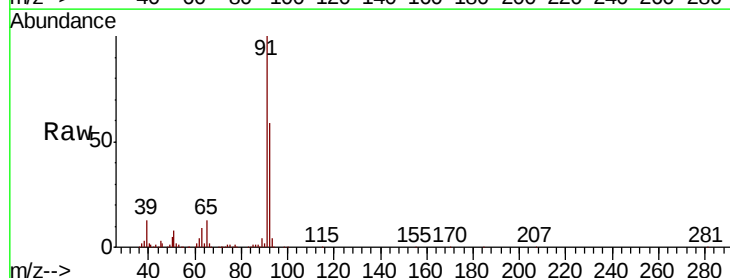
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

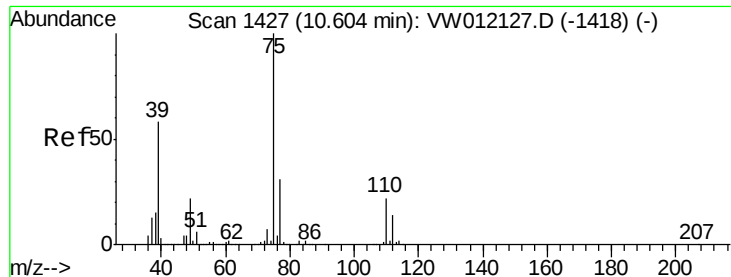
Tgt Ion: 43 Resp: 566662
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.2 42.2



#52
 Toluene
 Concen: 54.646 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion: 92 Resp: 370170
 Ion Ratio Lower Upper
 92 100
 91 172.4 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 56.196 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampled :

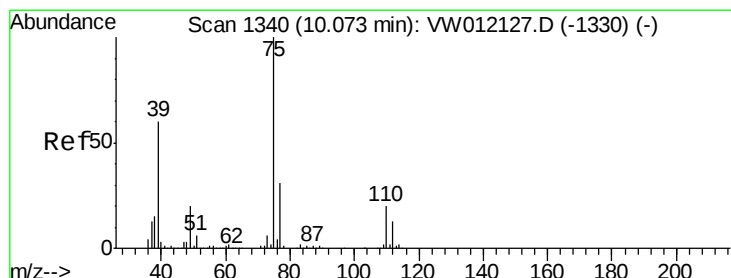
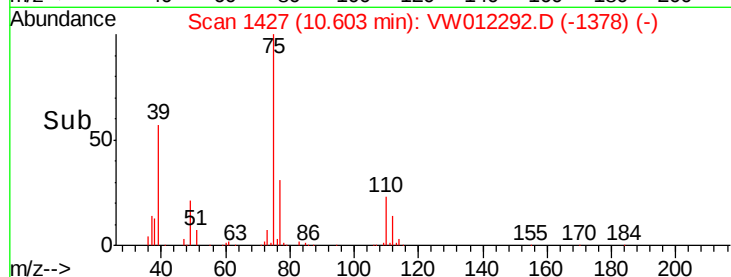
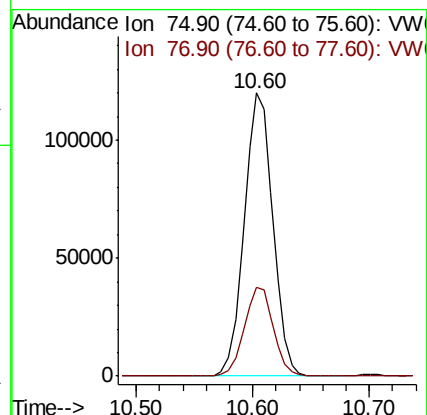
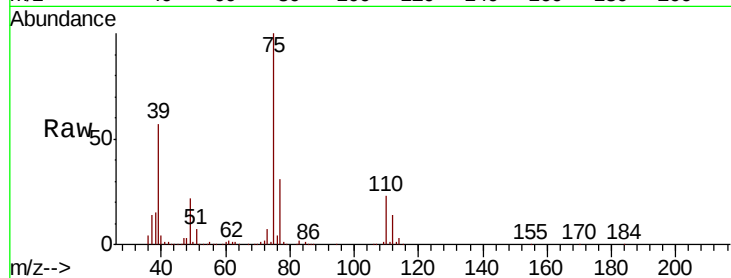
VSTDCCC050

Tgt Ion: 75 Resp: 205704

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 56.067 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

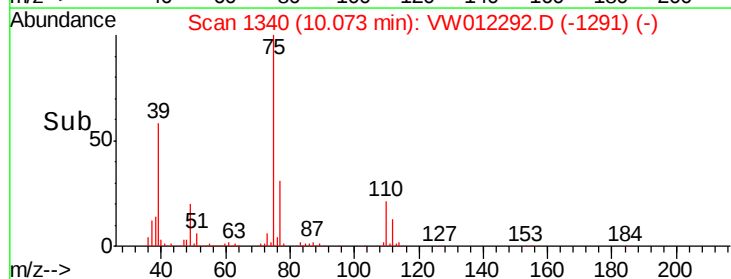
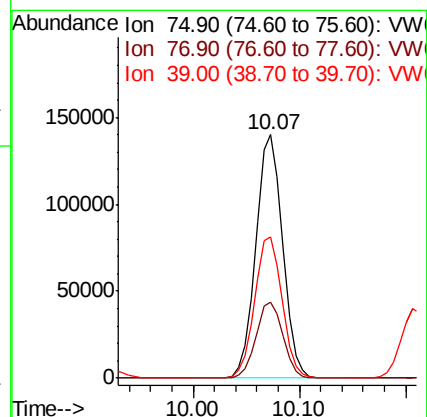
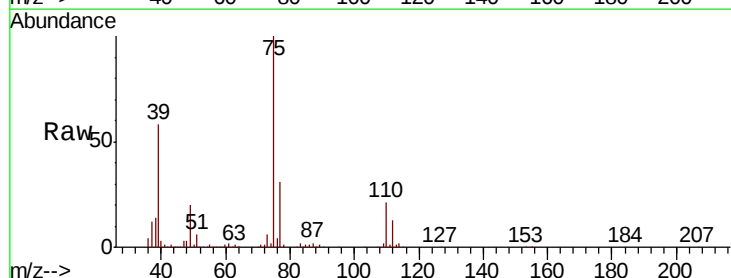
Tgt Ion: 75 Resp: 247804

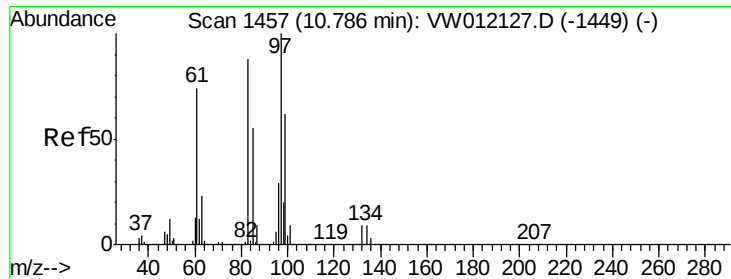
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 57.8 48.3 72.5

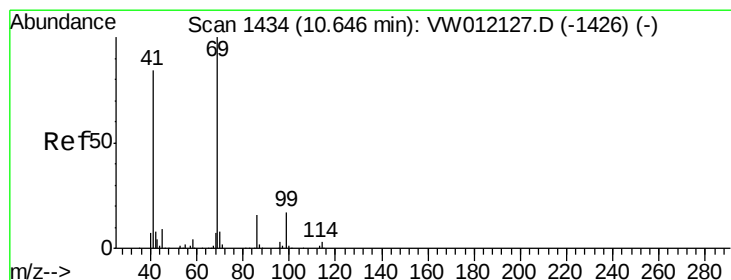
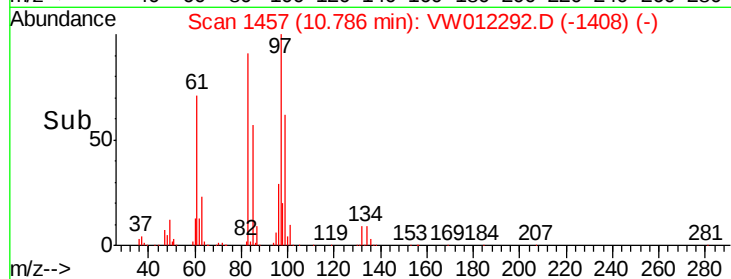
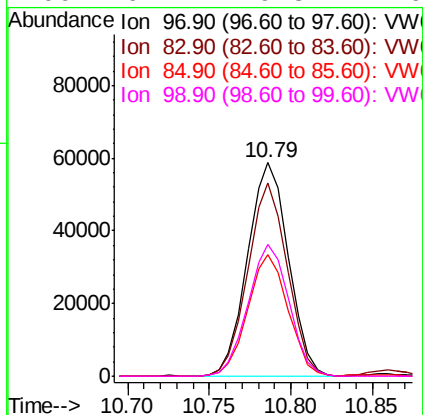
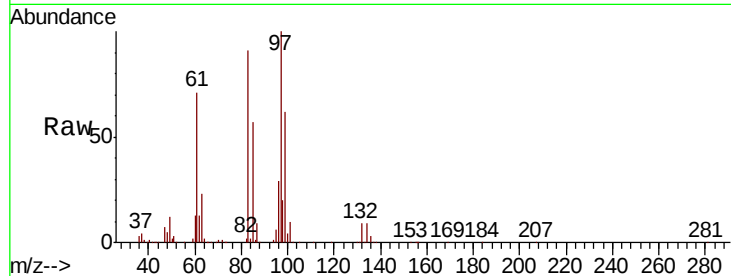




#55
 1,1,2-Trichloroethane
 Concen: 53.552 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

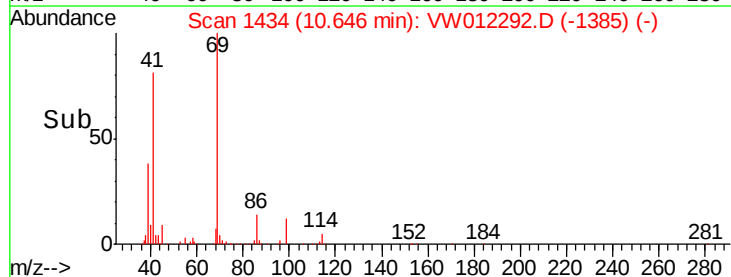
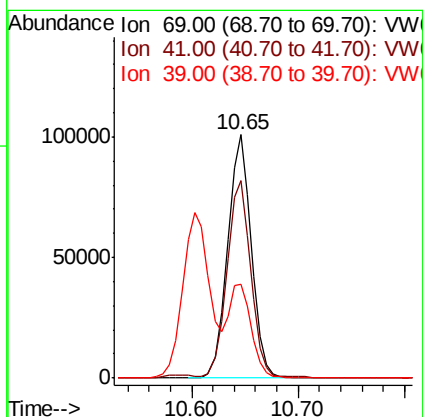
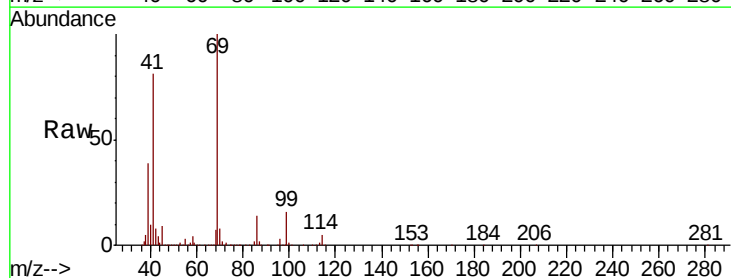
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

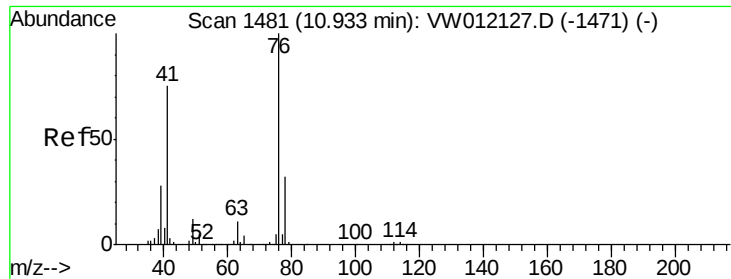
Tgt Ion:	97	Resp:	102304
Ion	Ratio	Lower	Upper
97	100		
83	90.7	70.8	106.2
85	56.8	43.8	65.8
99	61.7	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 56.401 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion:	69	Resp:	156818
Ion	Ratio	Lower	Upper
69	100		
41	82.1	66.5	99.7
39	36.5	31.0	46.4





#57

1,3-Dichloropropane

Concen: 54.248 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

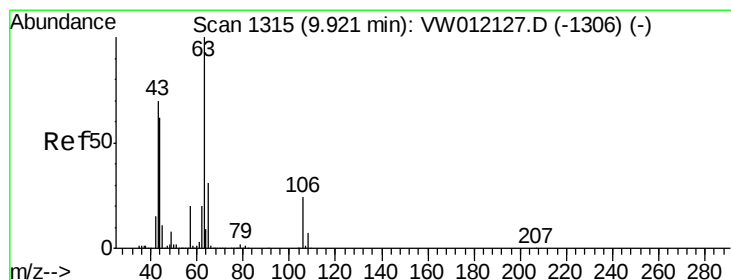
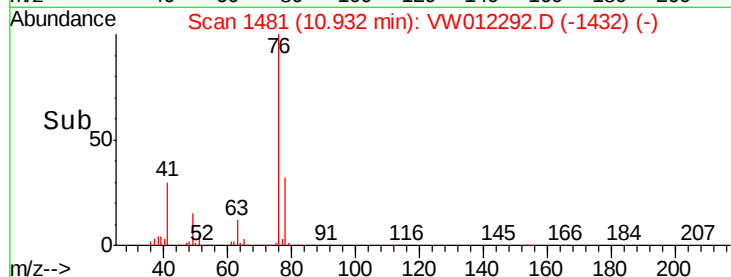
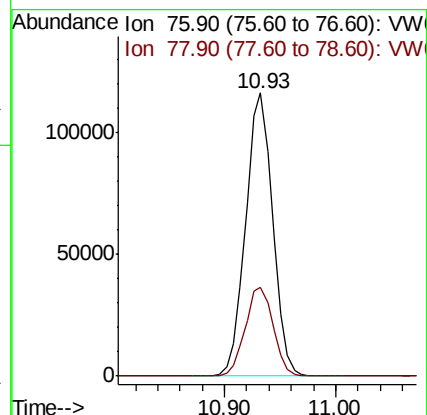
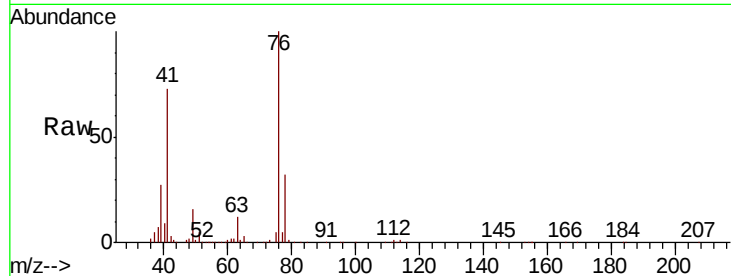
VSTDCCC050

Tgt Ion: 76 Resp: 195841

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 273.824 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012292.D

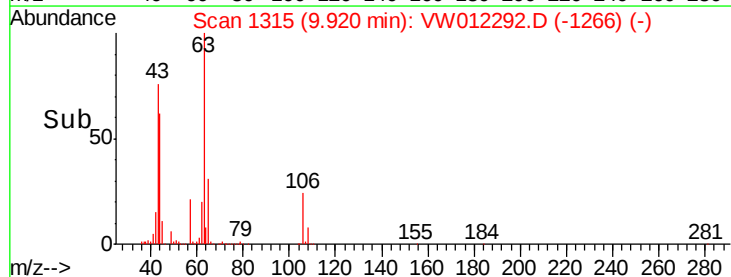
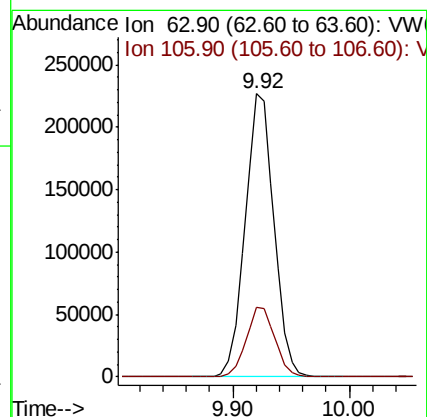
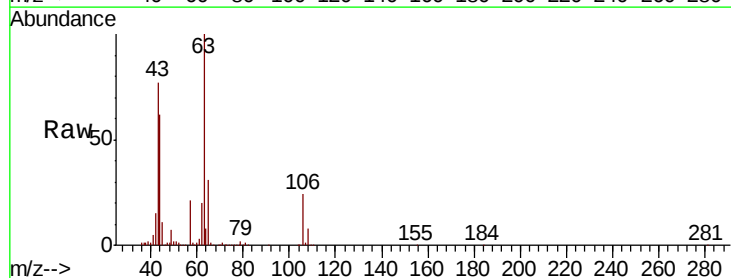
Acq: 29 Aug 2019 09:30

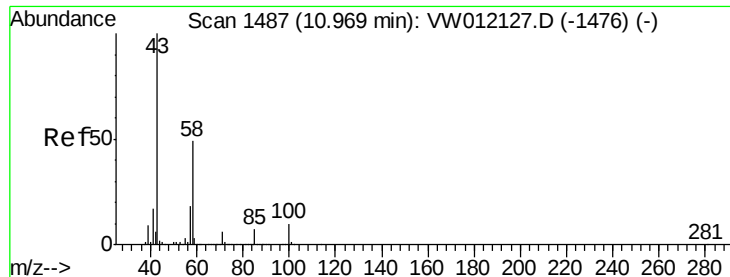
Tgt Ion: 63 Resp: 390737

Ion Ratio Lower Upper

63 100

106 24.4 19.8 29.8

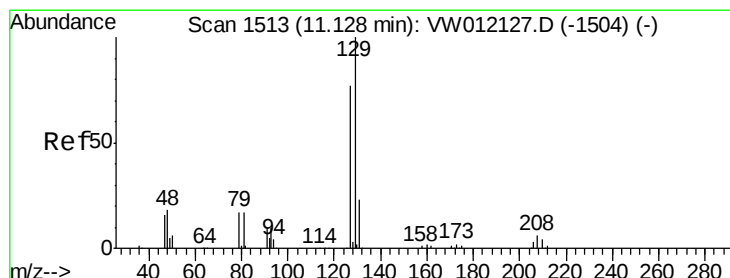
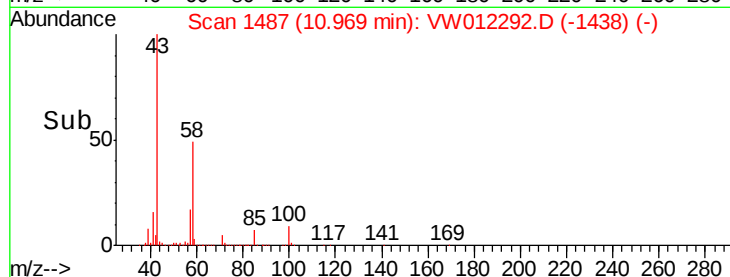
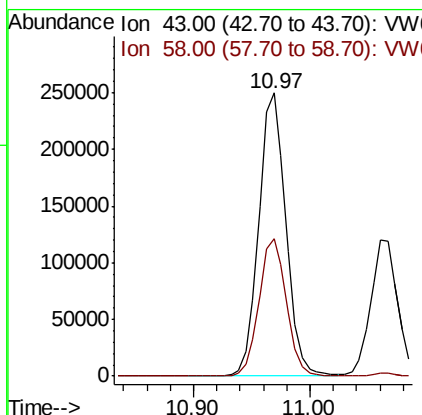
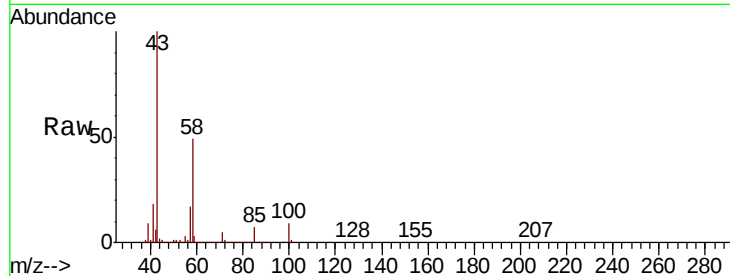




#59
2-Hexanone
Concen: 268.752 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

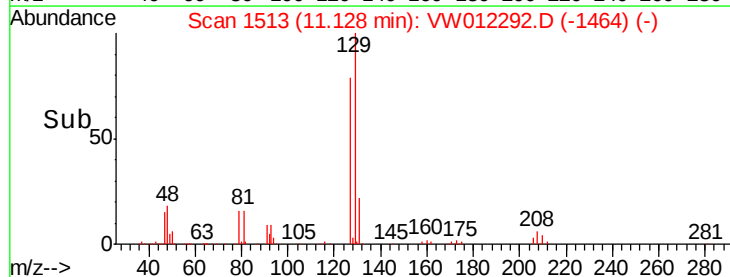
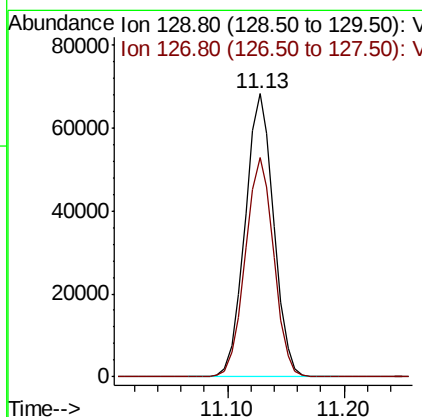
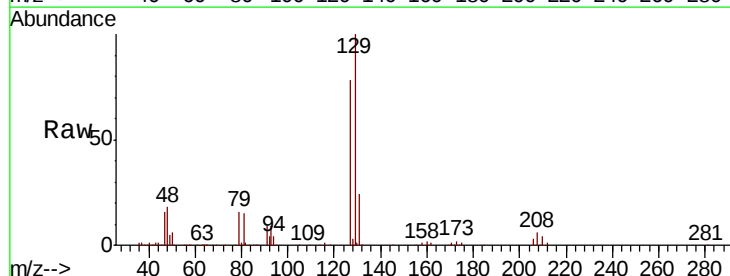
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

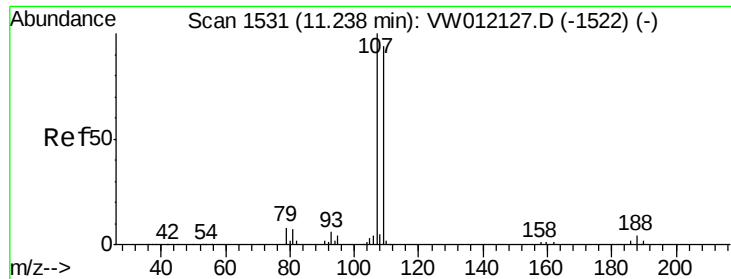
Tgt Ion: 43 Resp: 405417
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 54.923 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion: 129 Resp: 116868
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8

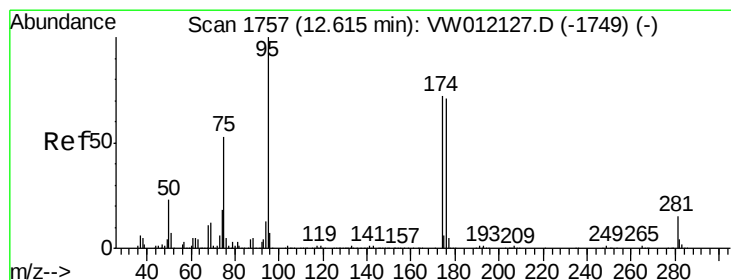
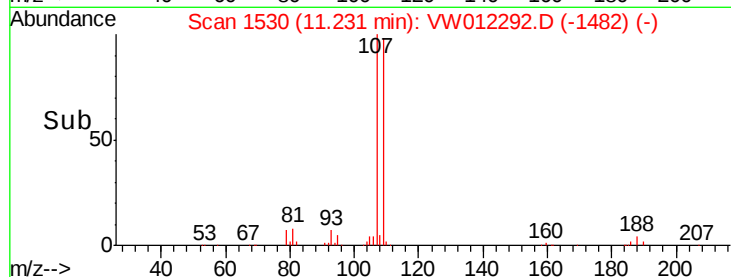
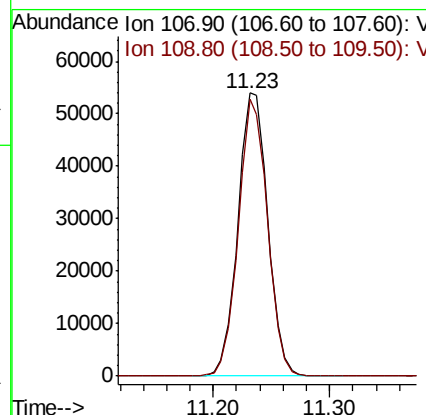
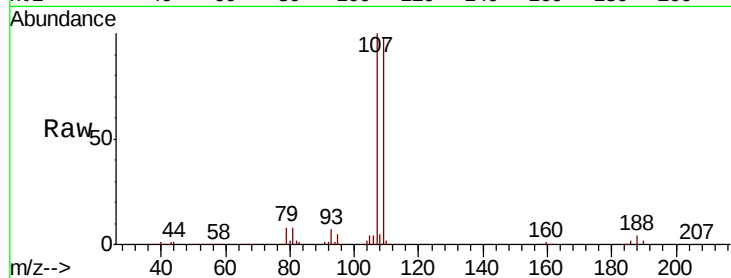




#61
 1,2-Dibromoethane
 Concen: 54.355 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

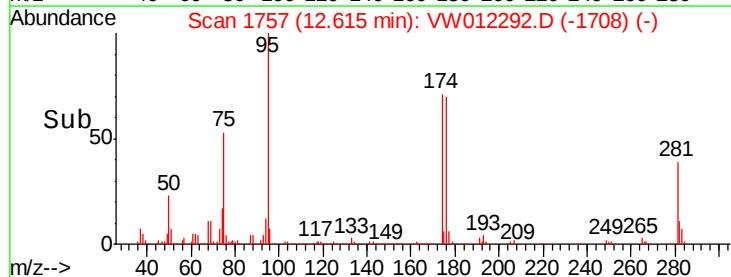
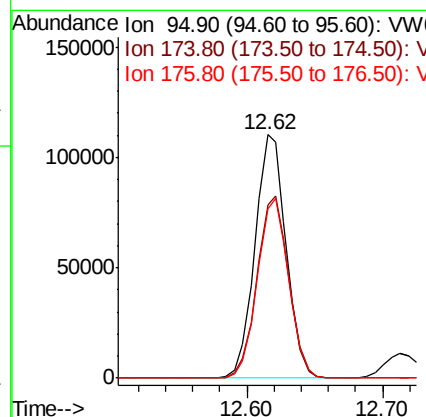
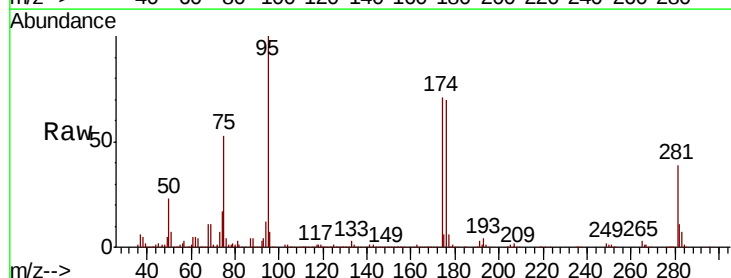
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

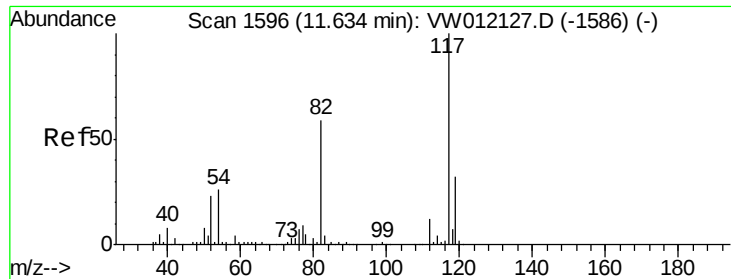
Tgt Ion: 107 Resp: 96739
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.852 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion: 95 Resp: 176776
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 150.8
 176 74.1 0.0 148.6

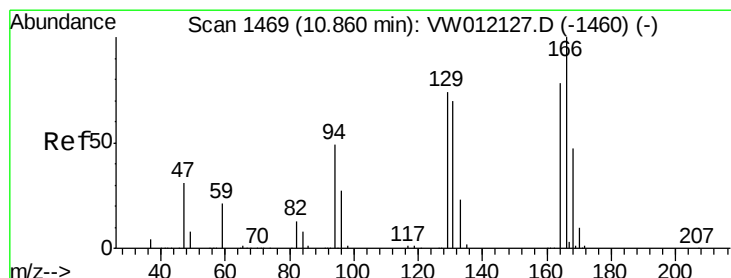
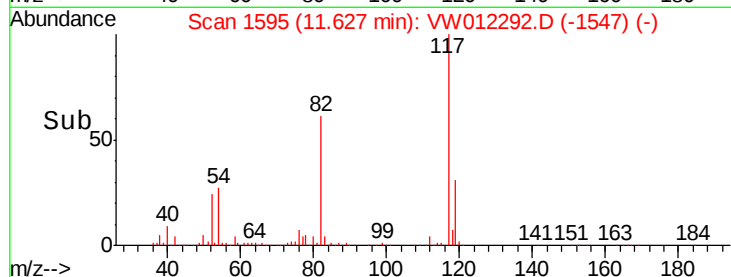
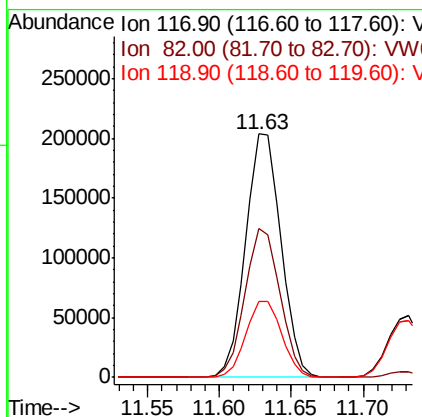
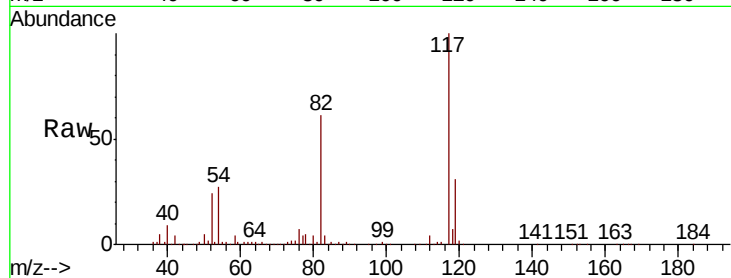




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

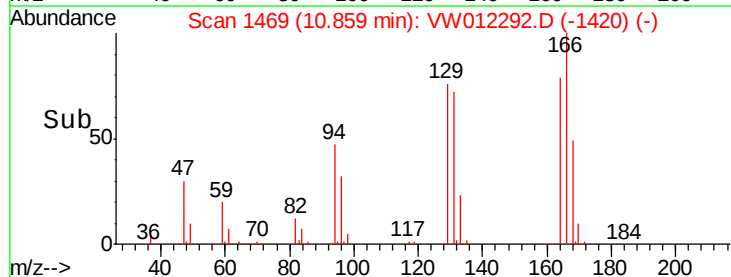
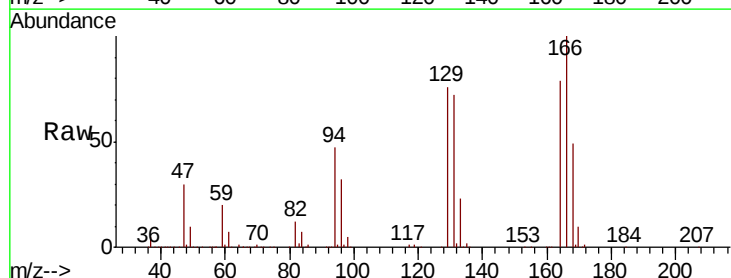
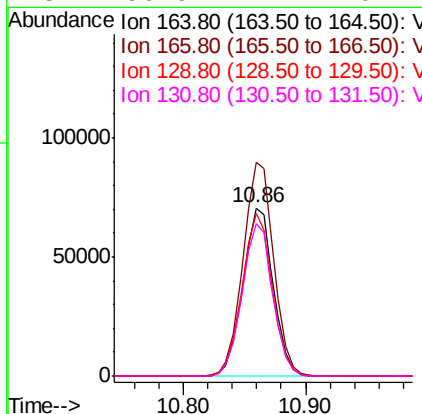
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

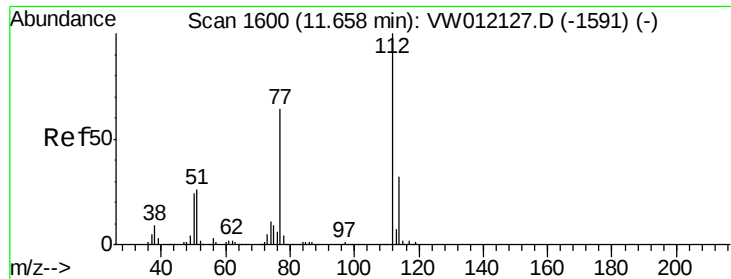
Tgt Ion:117 Resp: 346512
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 31.4 25.4 38.2



#64
Tetrachloroethene
Concen: 53.953 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion:164 Resp: 121208
Ion Ratio Lower Upper
164 100
166 127.1 102.4 153.6
129 96.4 75.8 113.6
131 90.9 71.4 107.2

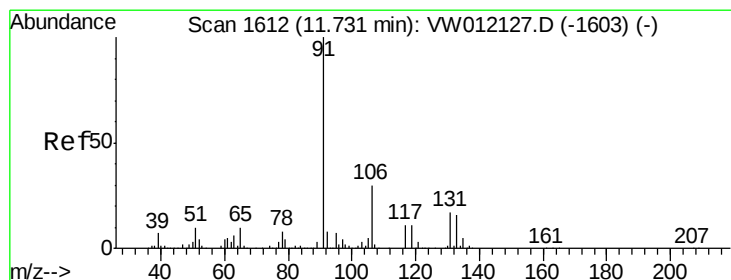
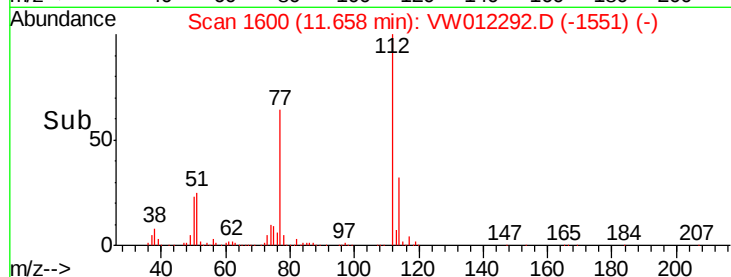
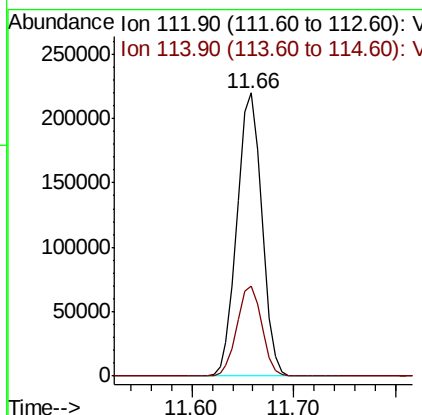
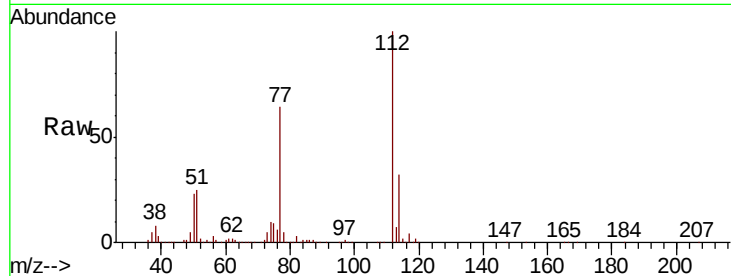




#65
Chlorobenzene
Concen: 54.129 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

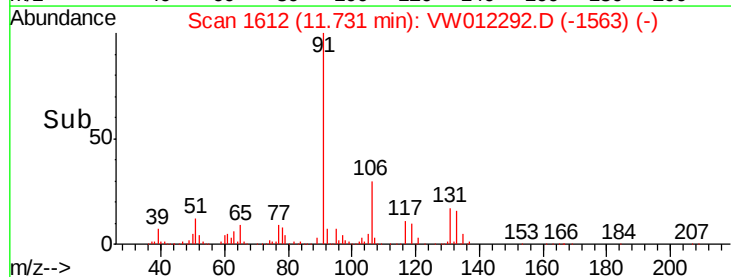
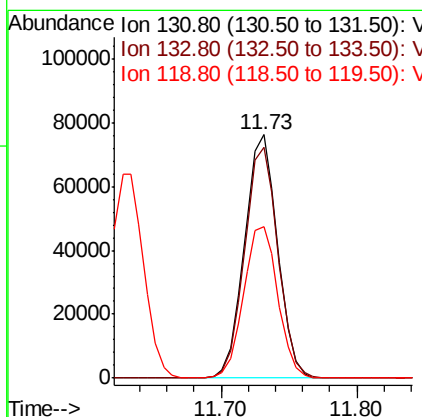
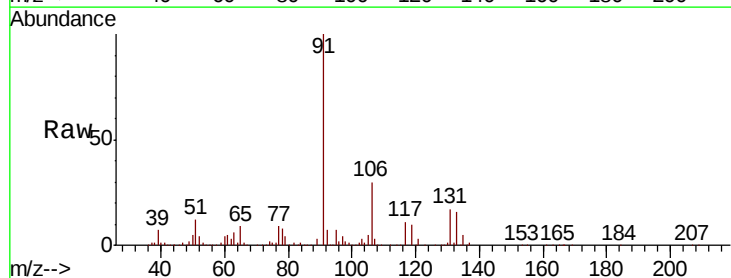
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

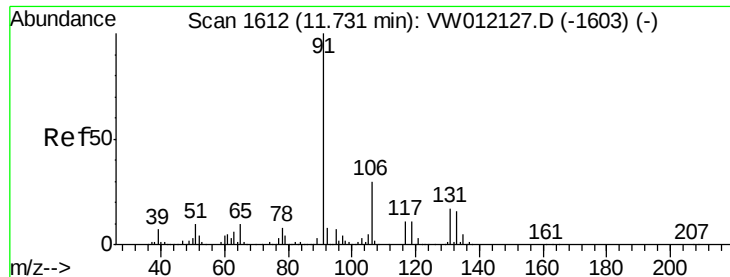
Tgt Ion:112 Resp: 369330
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.508 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion:131 Resp: 129745
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.3
119 64.3 31.8 95.3

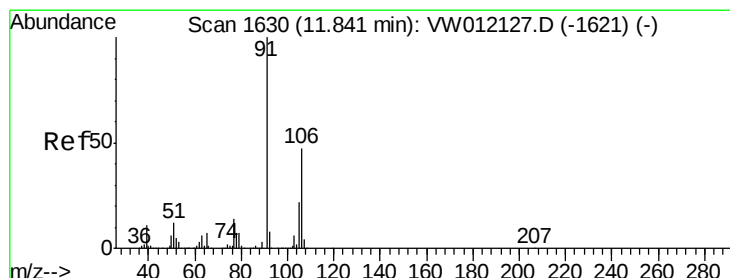
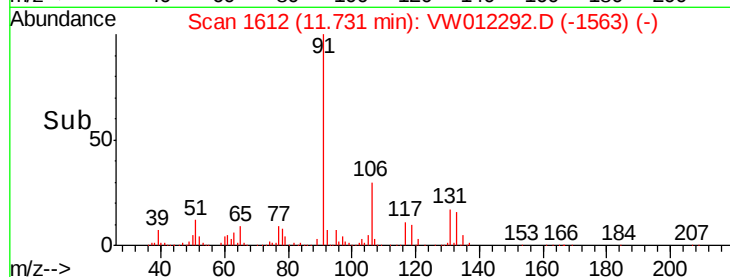
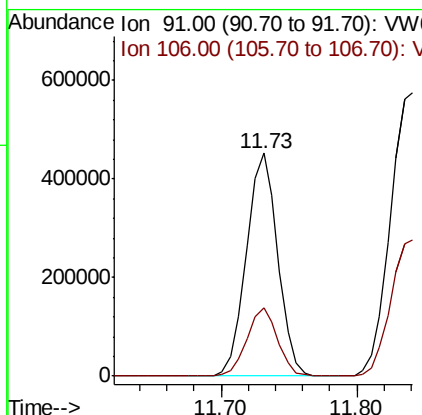
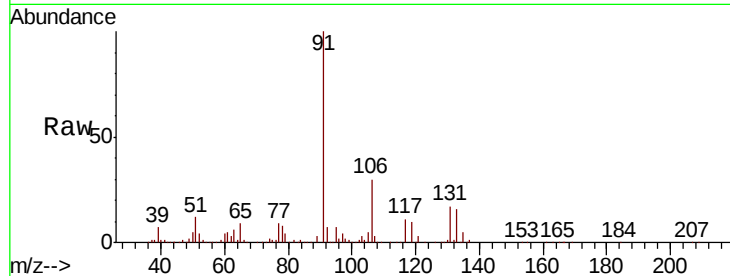




#67
Ethyl Benzene
Concen: 55.469 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

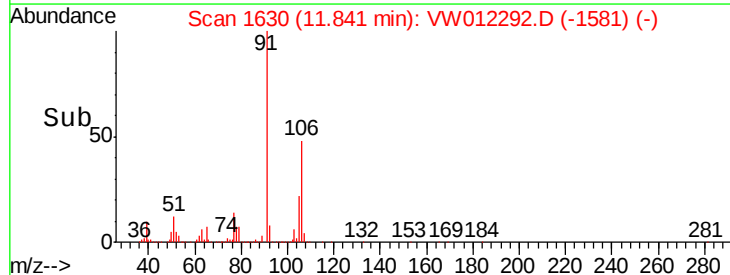
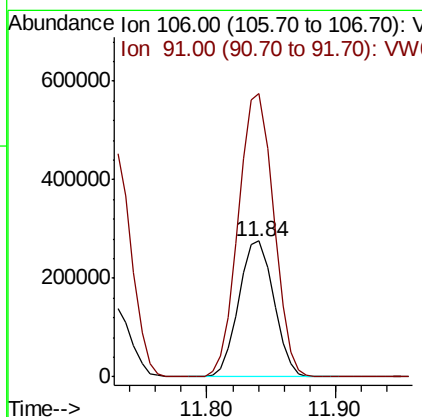
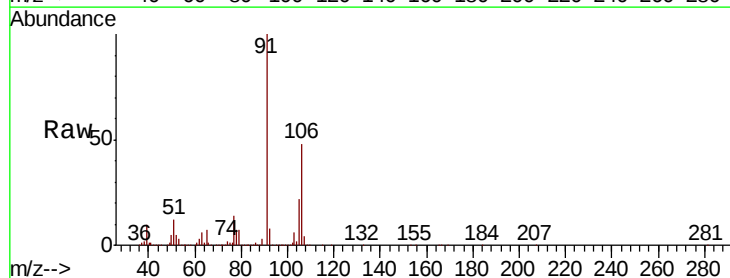
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

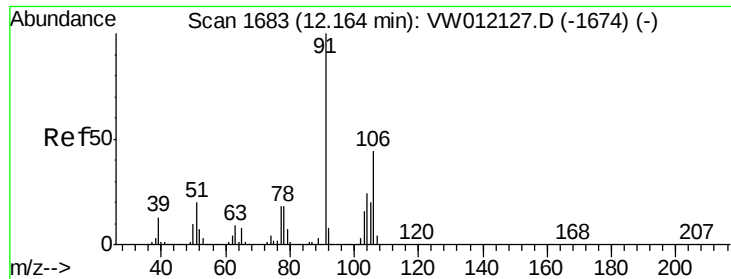
Tgt Ion: 91 Resp: 729061
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 110.291 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion: 106 Resp: 522169
Ion Ratio Lower Upper
106 100
91 209.8 169.5 254.3

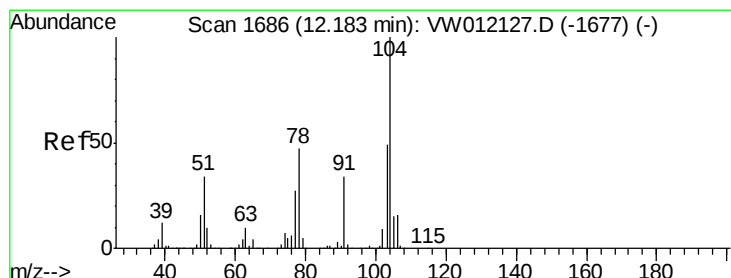
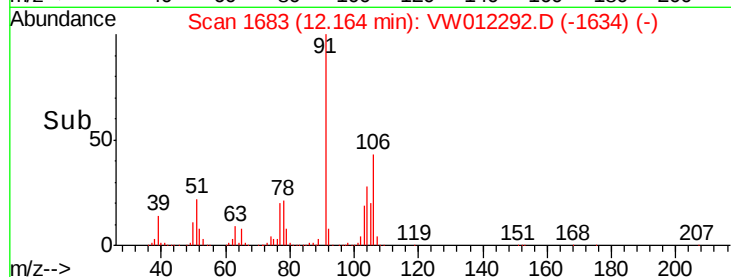
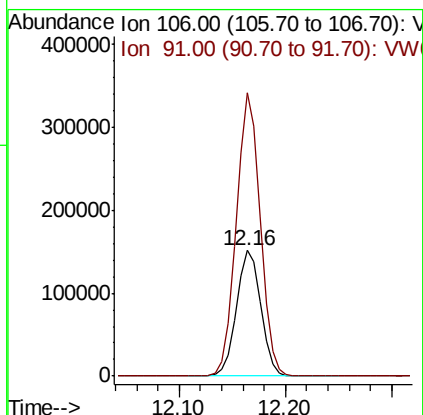
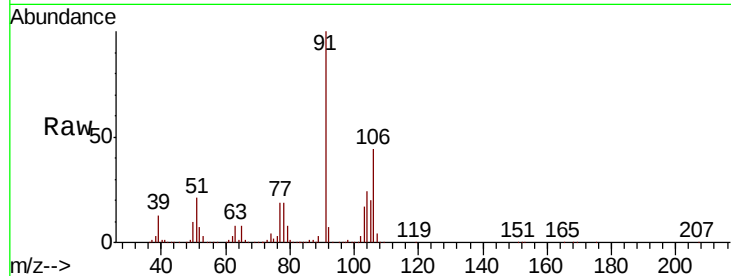




#69
o-Xylene
Concen: 55.458 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

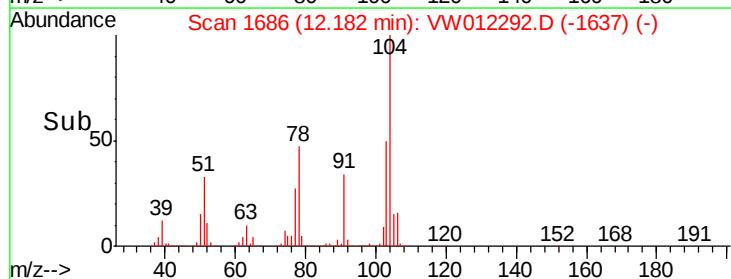
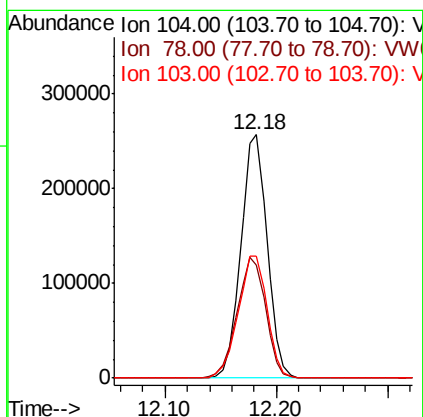
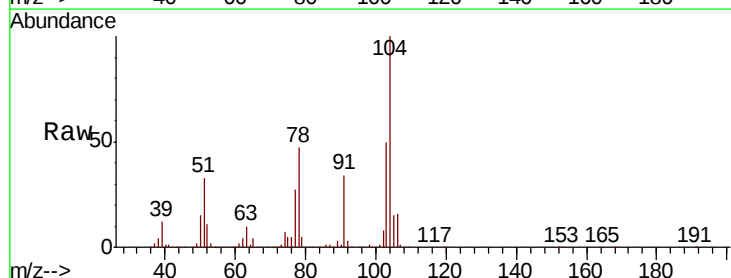
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

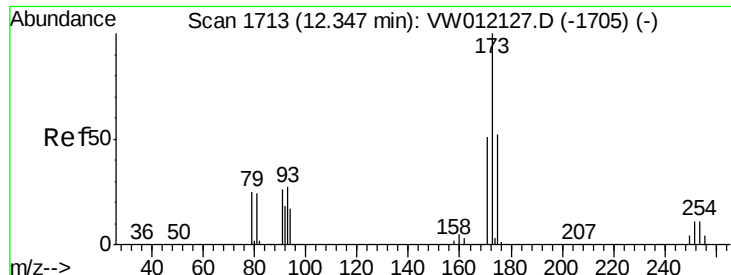
Tgt Ion:106 Resp: 243013
Ion Ratio Lower Upper
106 100
91 221.7 111.6 334.6



#70
Styrene
Concen: 55.412 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion:104 Resp: 420282
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 55.1 43.5 65.3





#71

Bromoform

Concen: 54.820 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

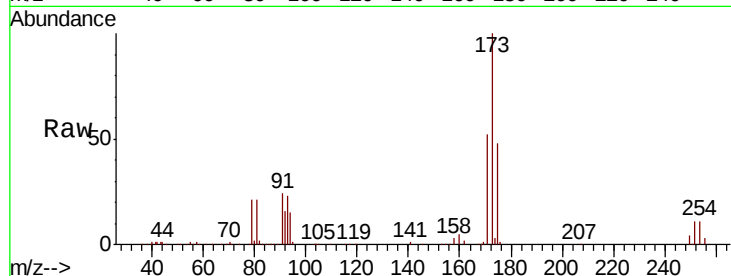
Tgt Ion:173 Resp: 65013

Ion Ratio Lower Upper

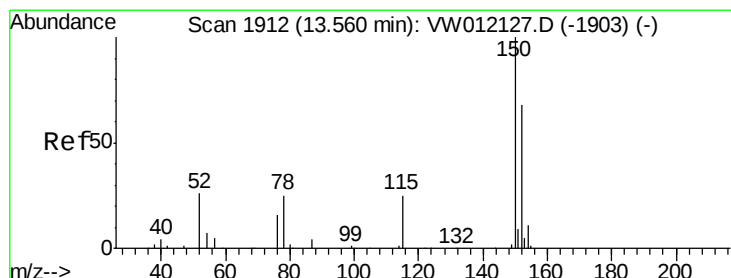
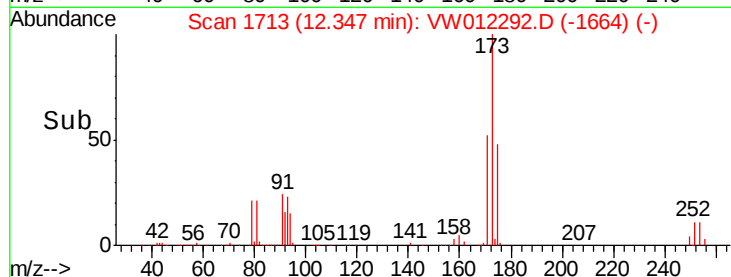
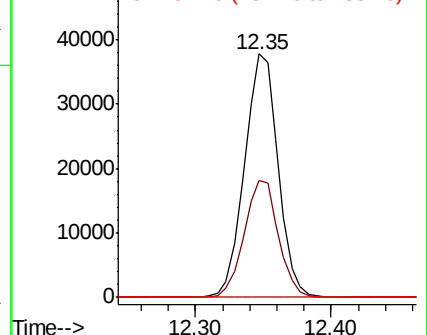
173 100

175 48.9 24.6 74.0

254 0.0 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: VW012292.D

Acq: 29 Aug 2019 09:30

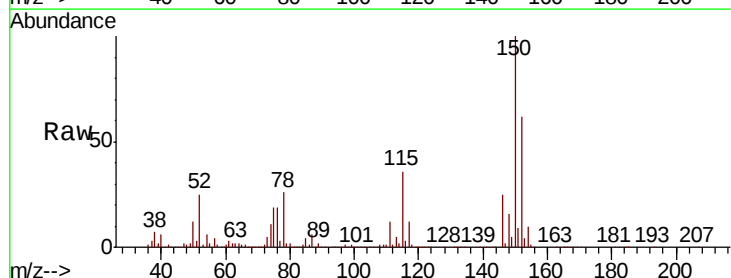
Tgt Ion:152 Resp: 163210

Ion Ratio Lower Upper

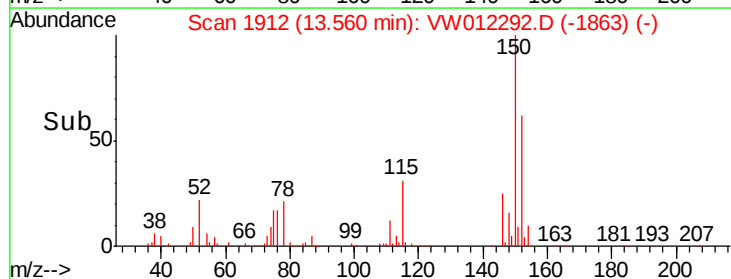
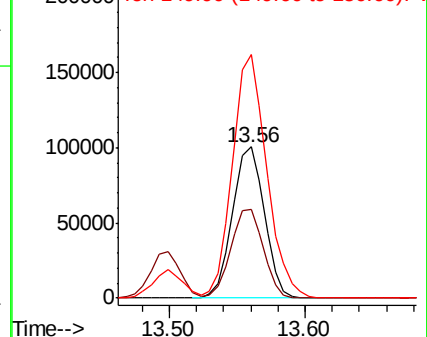
152 100

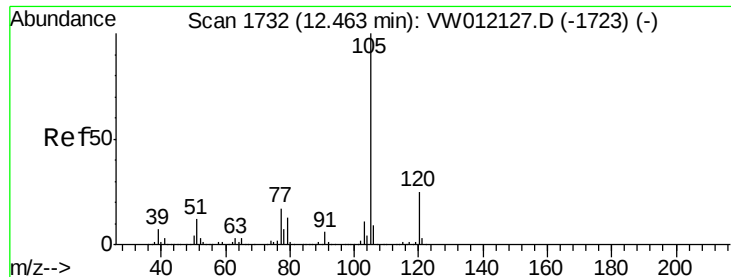
115 60.0 30.1 90.3

150 174.2 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: 55.933 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

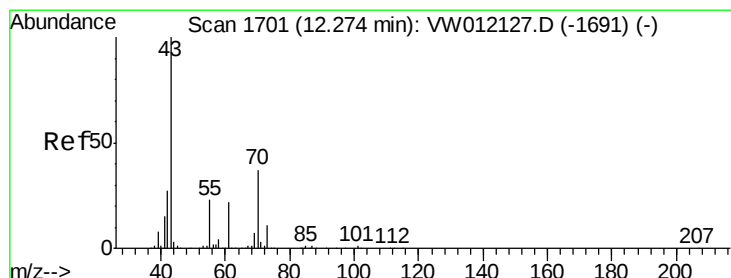
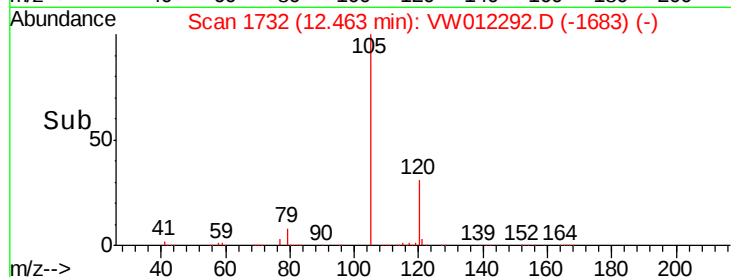
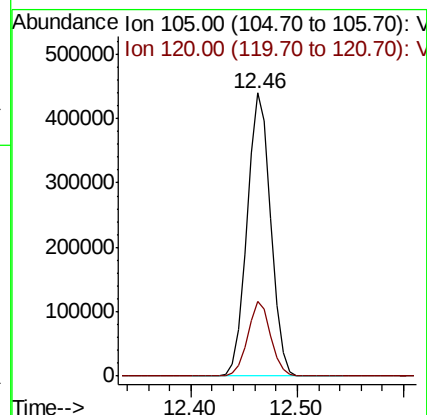
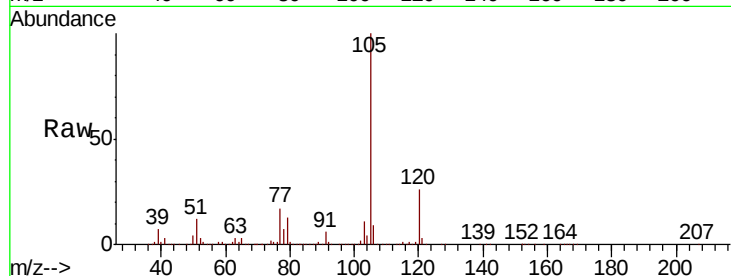
VSTDCCC050

Tgt Ion:105 Resp: 684031

Ion Ratio Lower Upper

105 100

120 25.6 12.5 37.5



#74

N-ethyl acetate

Concen: 55.829 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Tgt Ion: 43 Resp: 206282

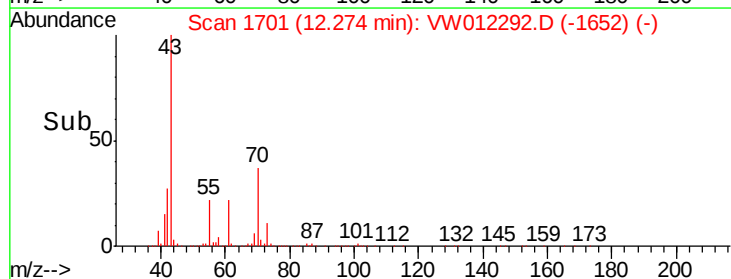
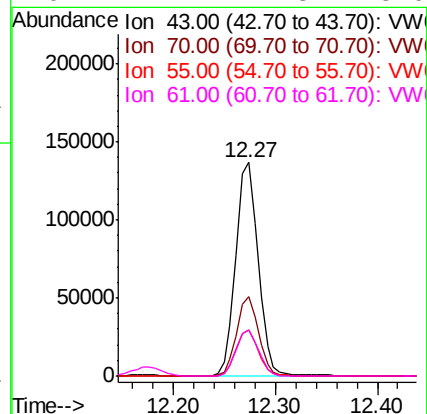
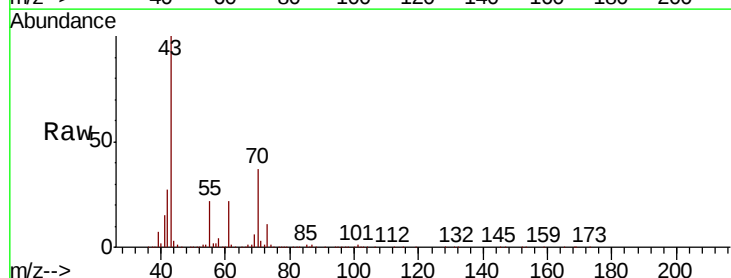
Ion Ratio Lower Upper

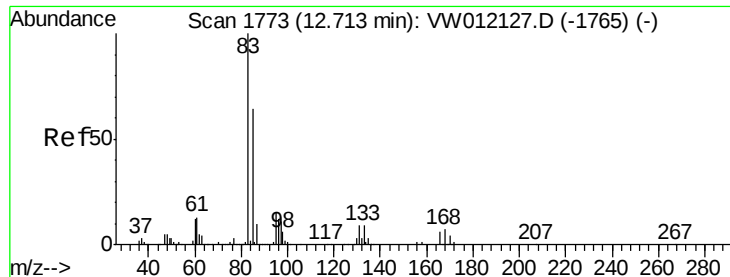
43 100

70 36.5 28.6 43.0

55 21.6 17.8 26.6

61 21.7 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.111 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

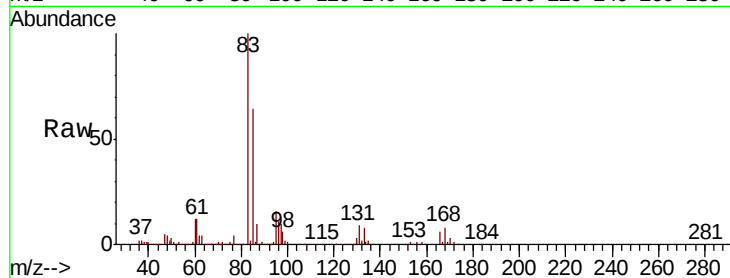
Tgt Ion: 83 Resp: 119078

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

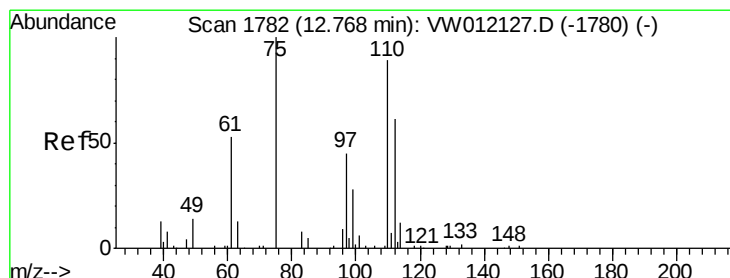
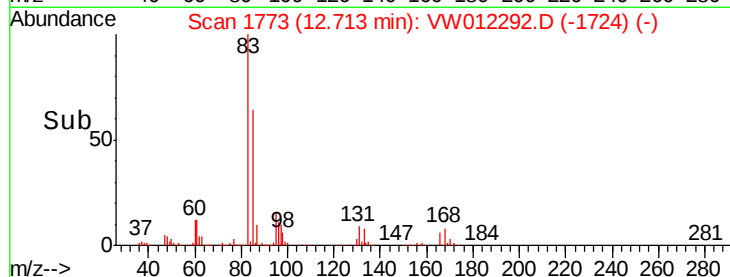
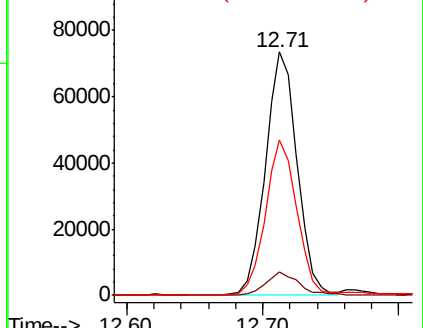
85 63.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 100.609 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012292.D

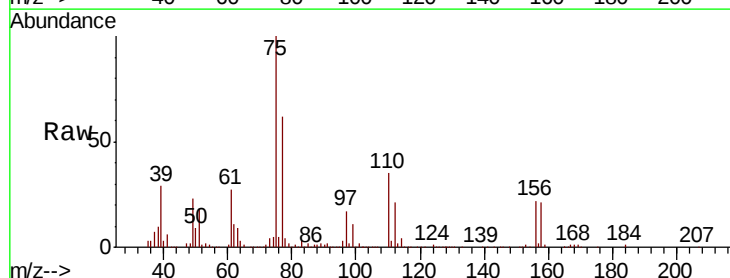
Acq: 29 Aug 2019 09:30

Tgt Ion: 75 Resp: 159923

Ion Ratio Lower Upper

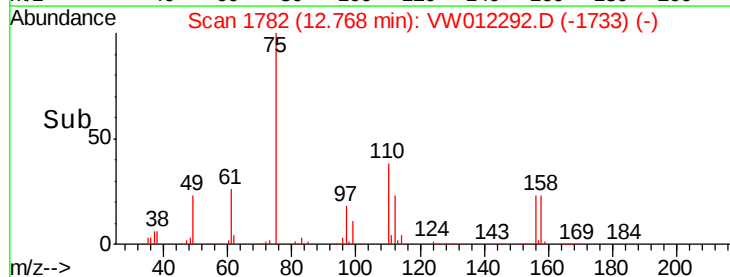
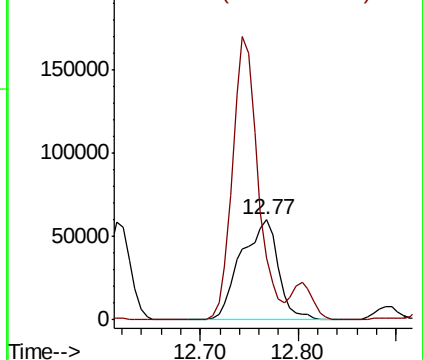
75 100

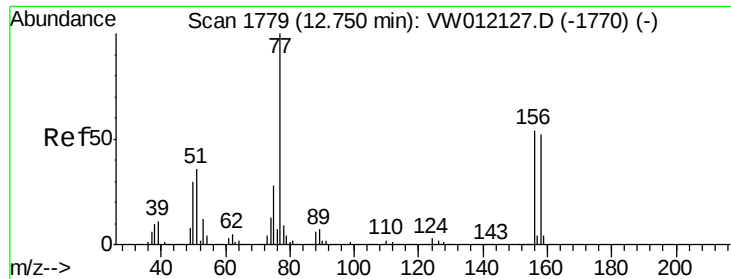
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.788 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

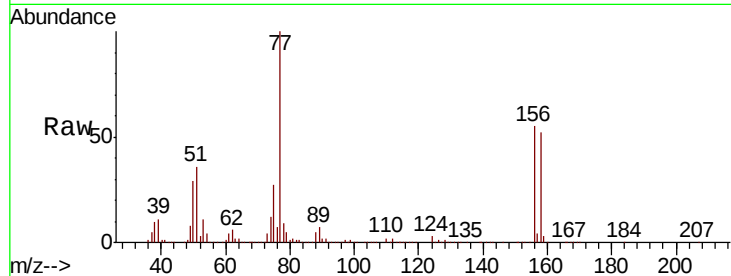
Tgt Ion:156 Resp: 147599

Ion Ratio Lower Upper

156 100

77 209.2 107.3 321.8

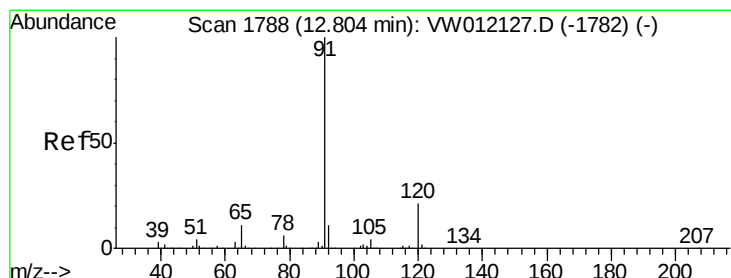
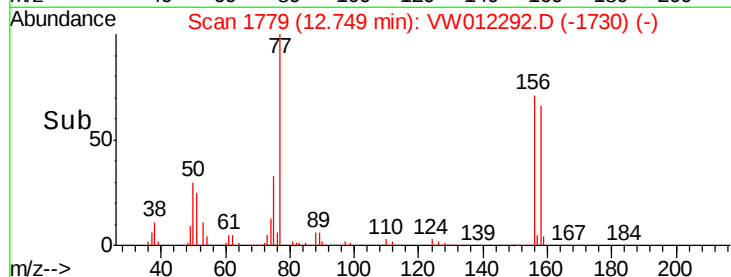
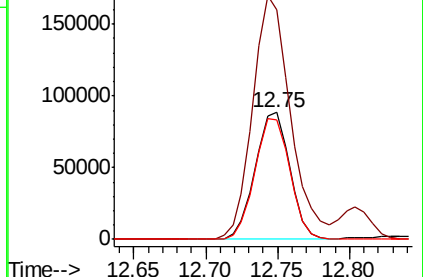
158 96.2 49.0 147.0



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: 56.004 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012292.D

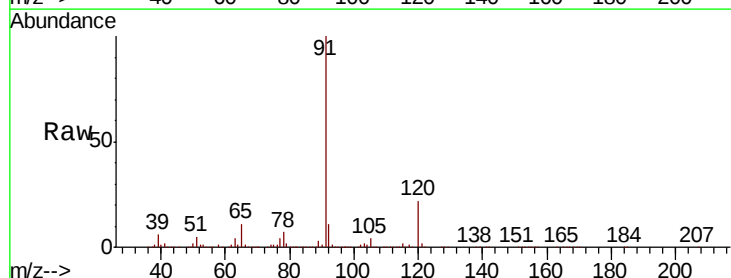
Acq: 29 Aug 2019 09:30

Tgt Ion: 91 Resp: 836126

Ion Ratio Lower Upper

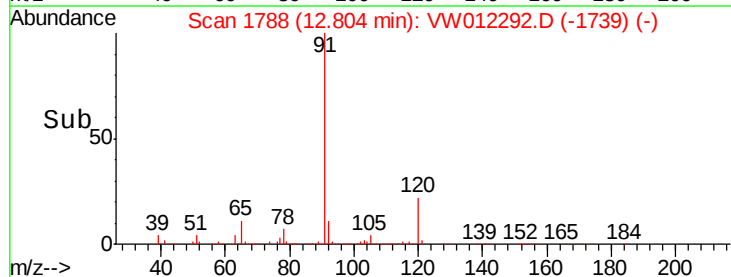
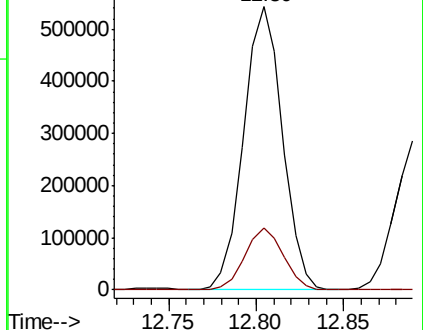
91 100

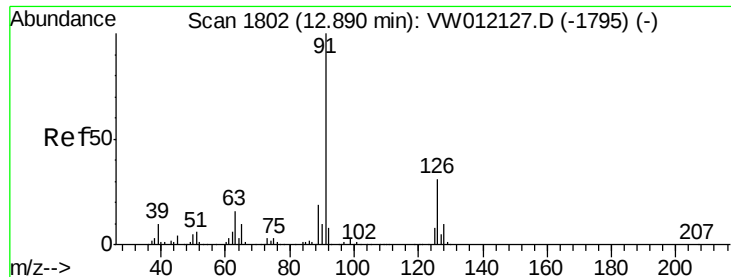
120 21.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.353 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

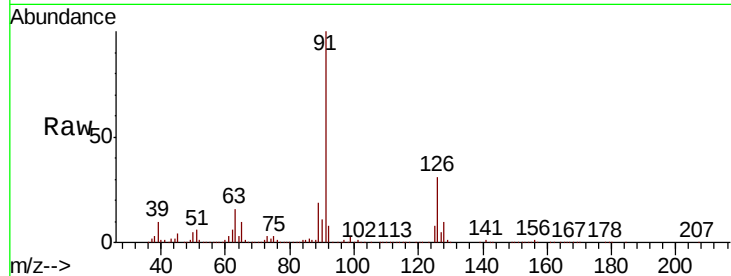
VSTDCCC050

Tgt Ion: 91 Resp: 469187

Ion Ratio Lower Upper

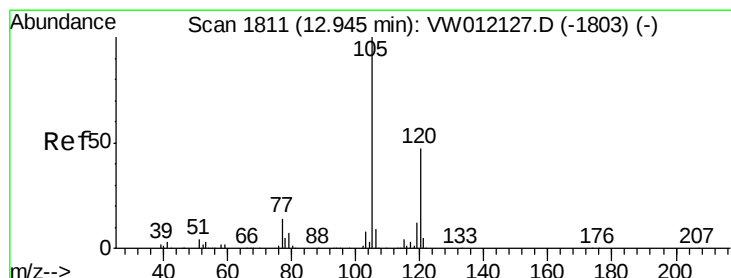
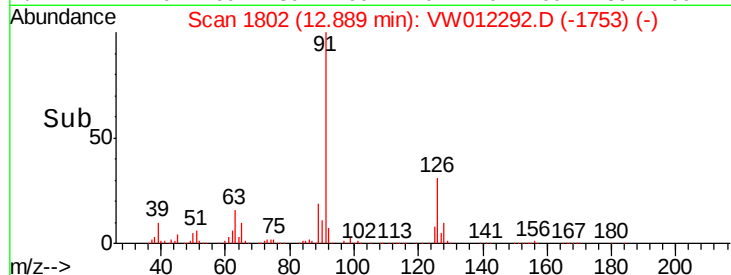
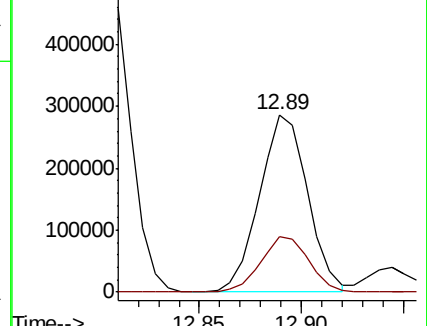
91 100

126 31.3 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.215 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012292.D

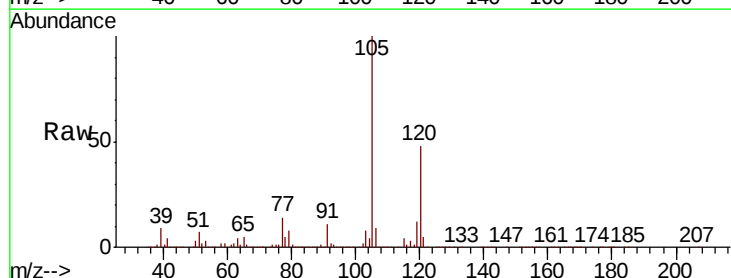
Acq: 29 Aug 2019 09:30

Tgt Ion: 105 Resp: 574465

Ion Ratio Lower Upper

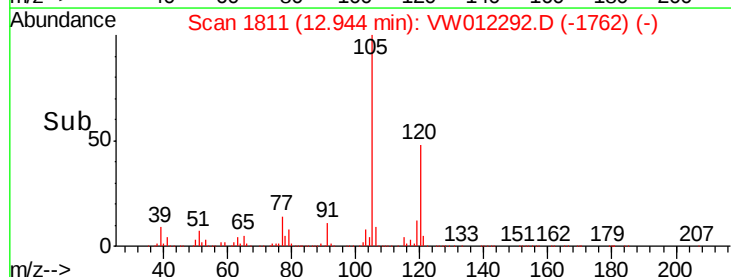
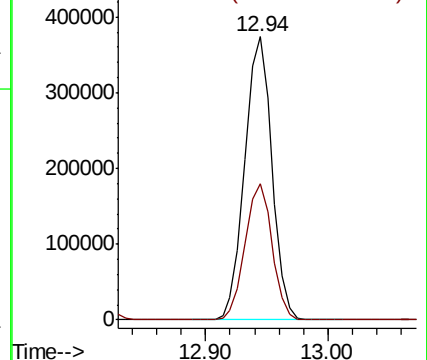
105 100

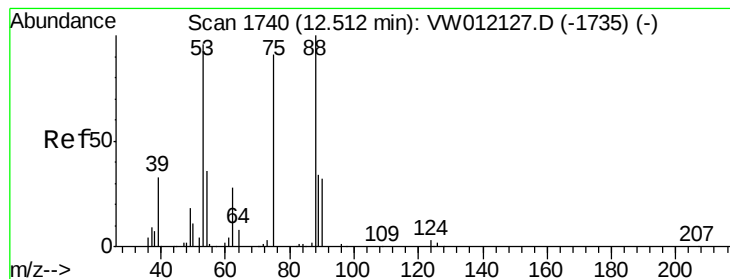
120 48.0 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 56.552 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

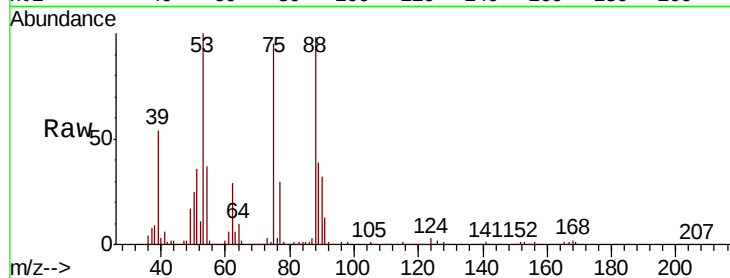
Tgt Ion: 75 Resp: 40999

Ion Ratio Lower Upper

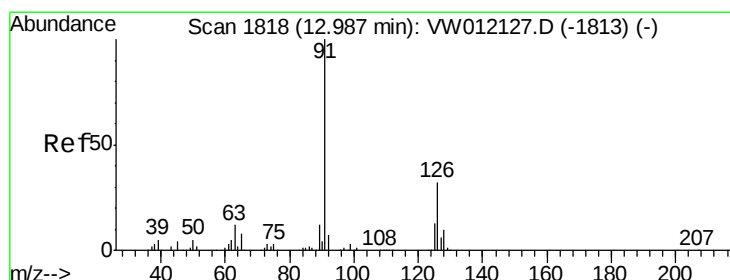
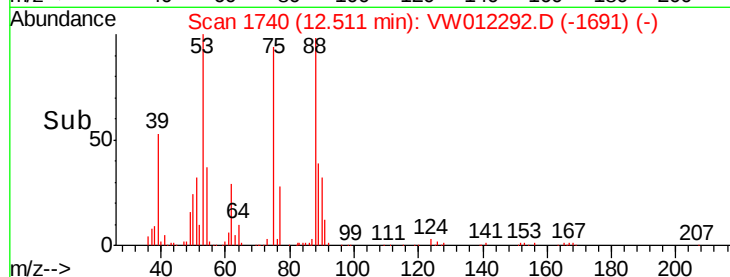
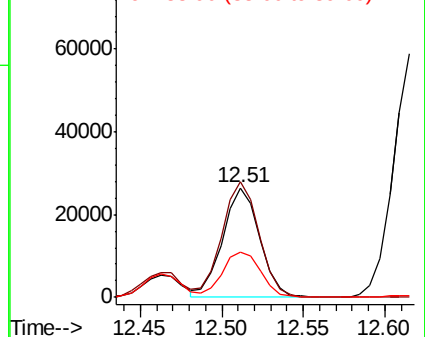
75 100

53 106.6 89.4 134.0

89 43.7 34.5 51.7



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 54.789 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012292.D

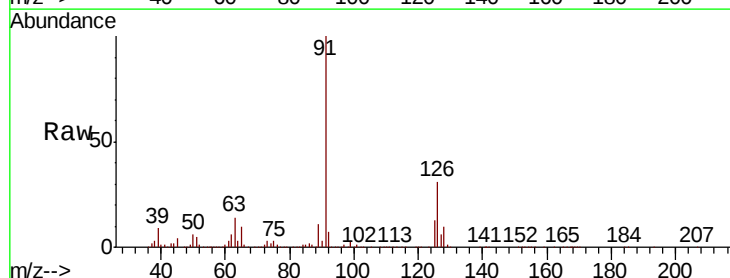
Acq: 29 Aug 2019 09:30

Tgt Ion: 91 Resp: 486269

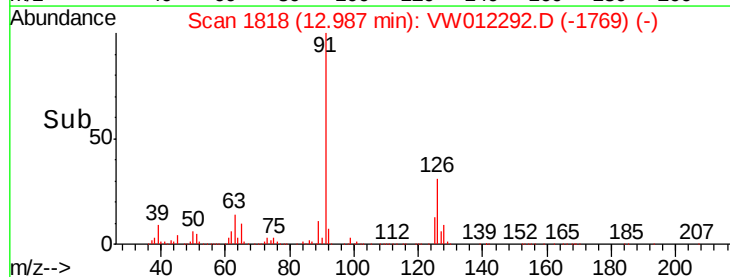
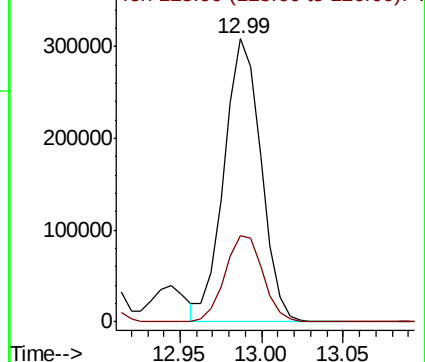
Ion Ratio Lower Upper

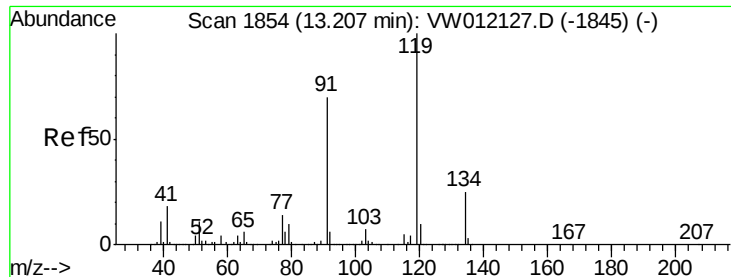
91 100

126 31.3 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

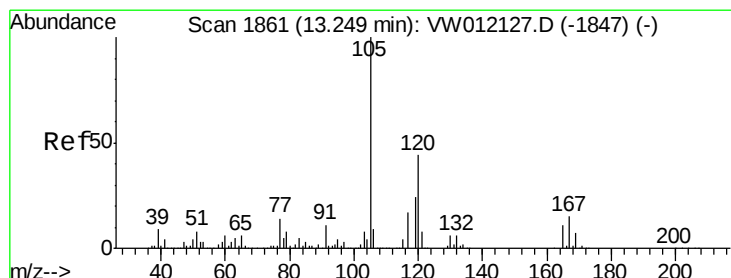
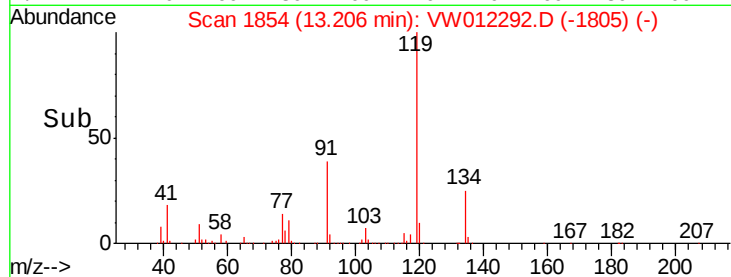
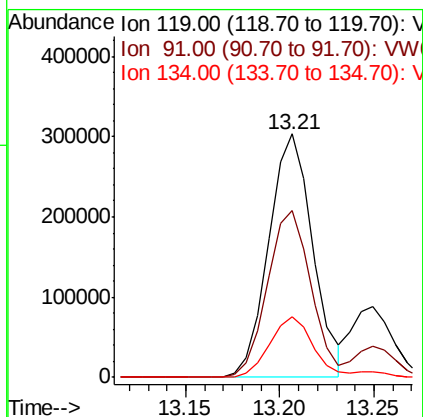
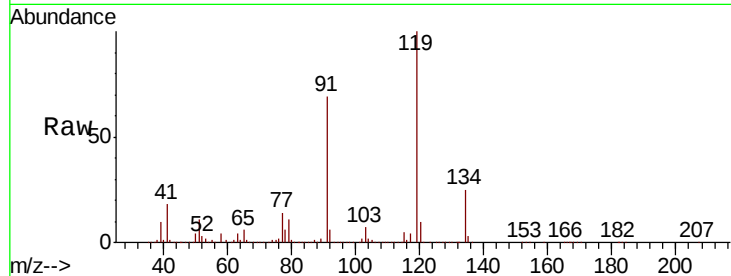




#83
 tert-Butylbenzene
 Concen: 56.818 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

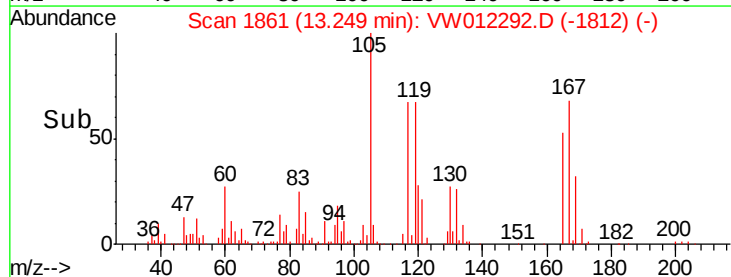
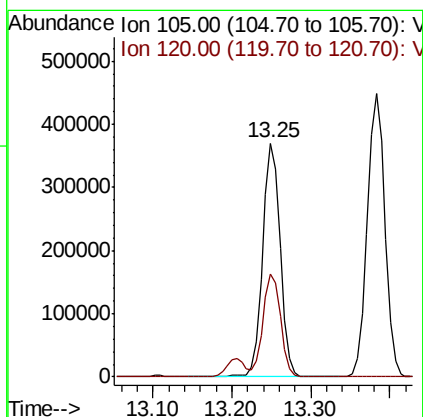
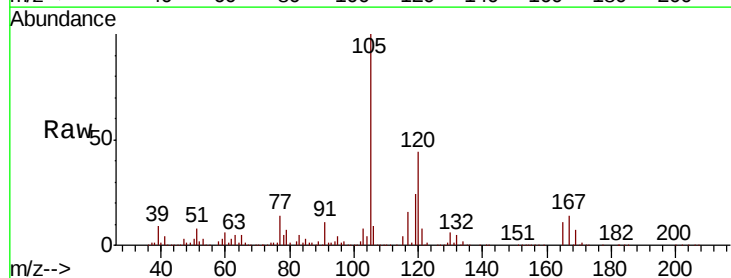
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

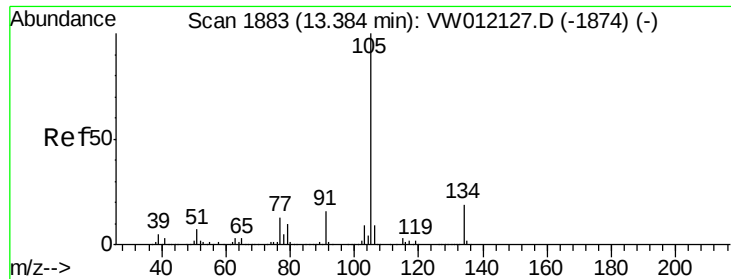
Tgt Ion:119 Resp: 491834
 Ion Ratio Lower Upper
 119 100
 91 67.7 34.8 104.3
 134 26.0 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.401 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion:105 Resp: 568706
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.9 65.7

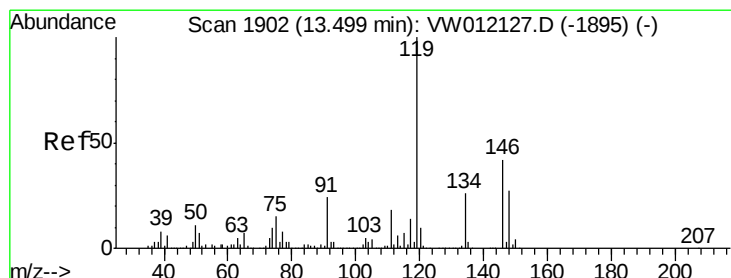
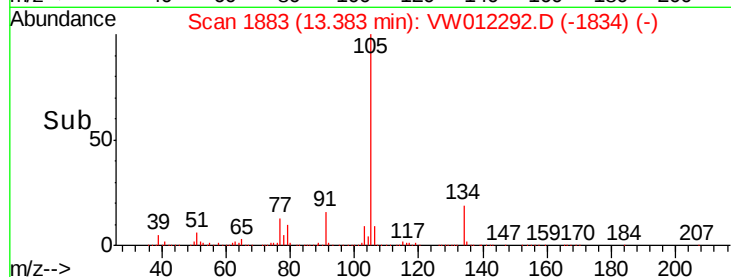
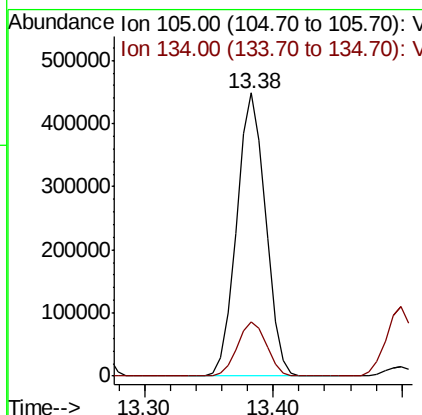
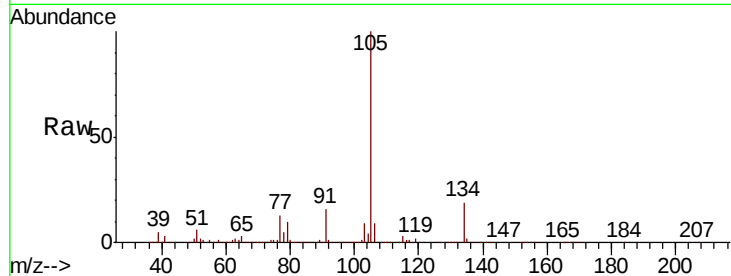




#85
 sec-Butylbenzene
 Concen: 56.102 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

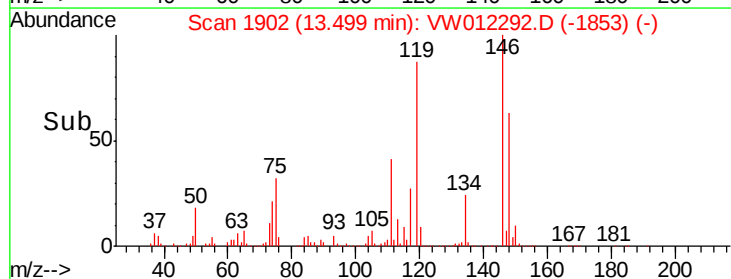
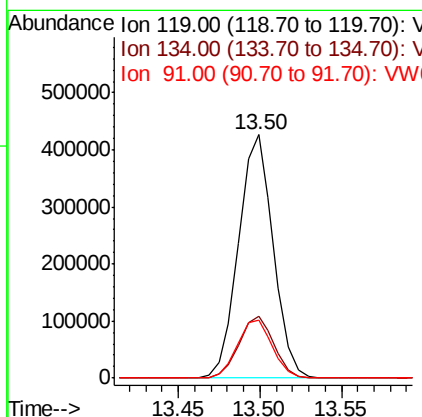
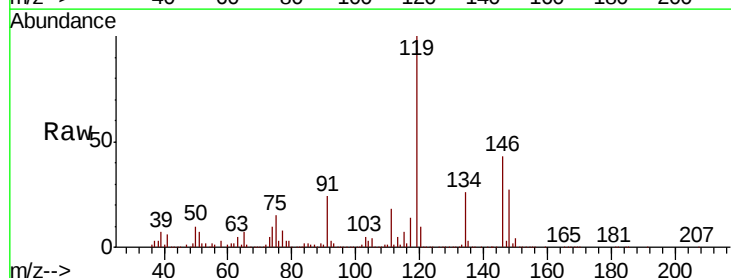
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

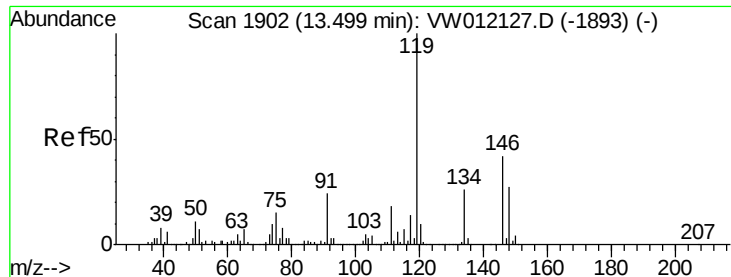
Tgt Ion:105 Resp: 695767
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 56.808 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion:119 Resp: 629177
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.3
 91 24.1 12.3 36.9

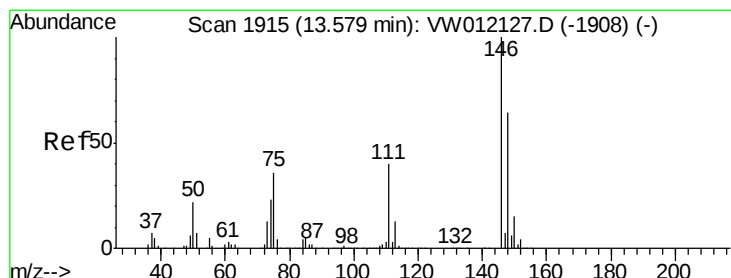
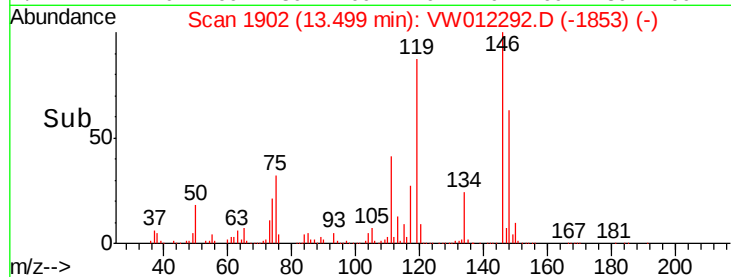
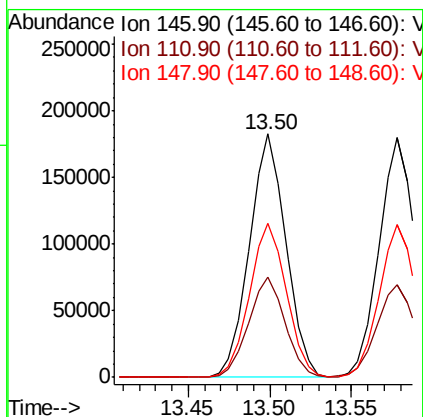
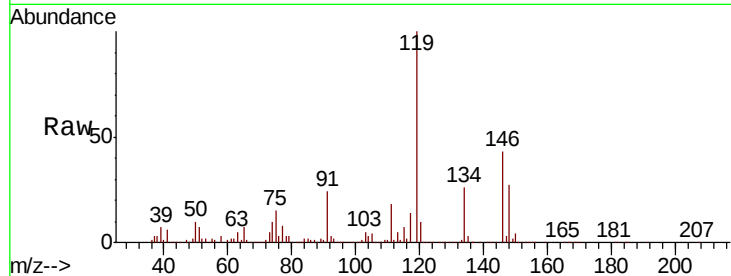




#87
 1,3-Dichlorobenzene
 Concen: 55.025 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

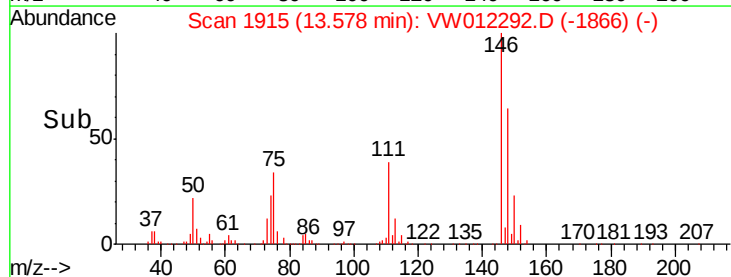
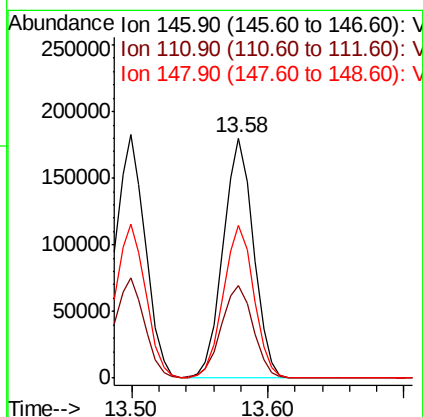
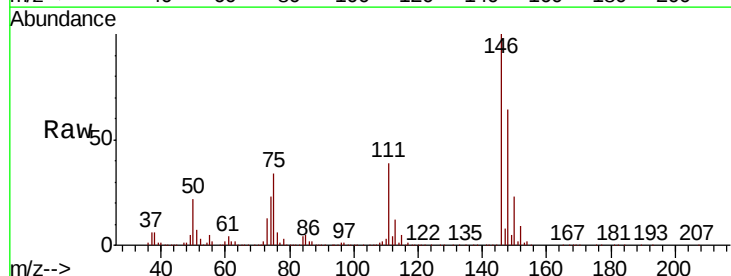
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

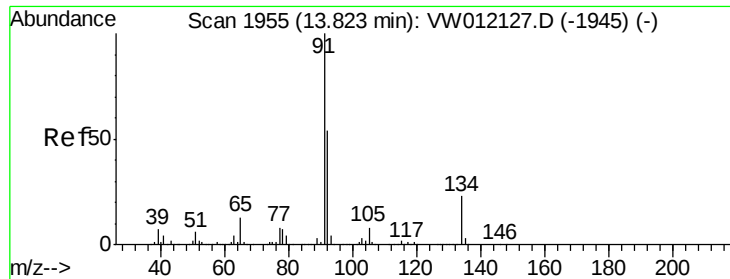
Tgt Ion:146 Resp: 284750
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.9 62.7
 148 63.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 54.363 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion:146 Resp: 279337
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 60.0
 148 63.9 32.1 96.3





#89

n-Butylbenzene

Concen: 57.389 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

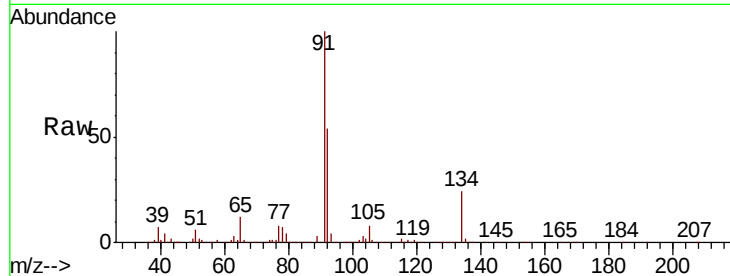
Tgt Ion: 91 Resp: 632076

Ion Ratio Lower Upper

91 100

92 54.5 27.1 81.2

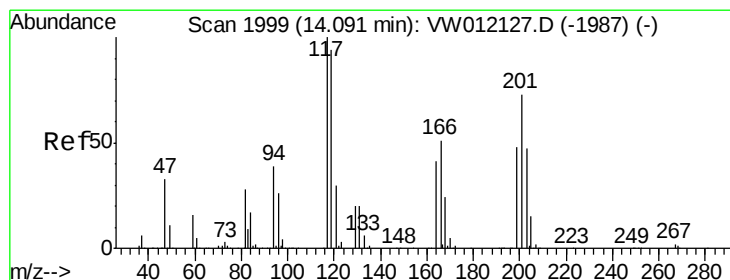
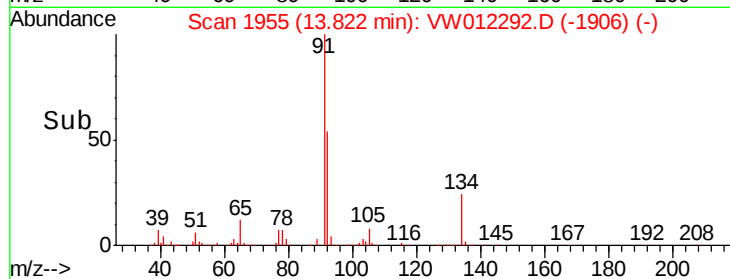
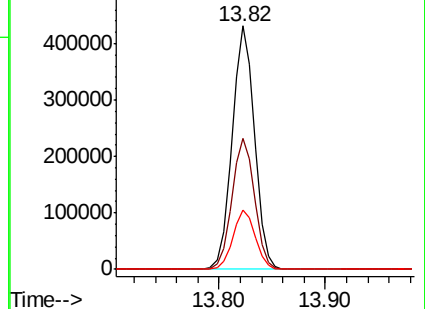
134 24.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.248 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012292.D

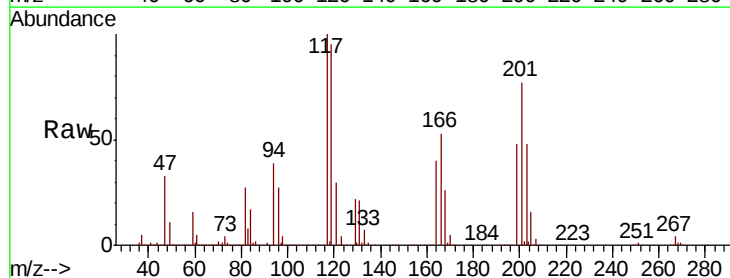
Acq: 29 Aug 2019 09:30

Tgt Ion: 117 Resp: 107355

Ion Ratio Lower Upper

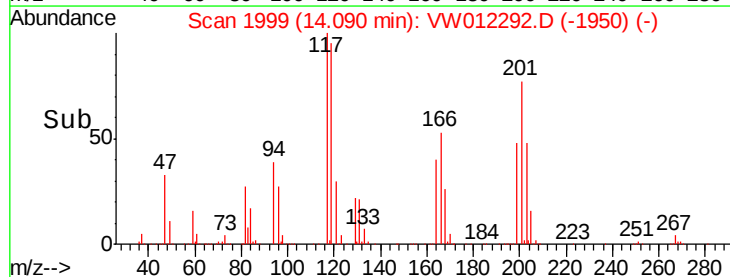
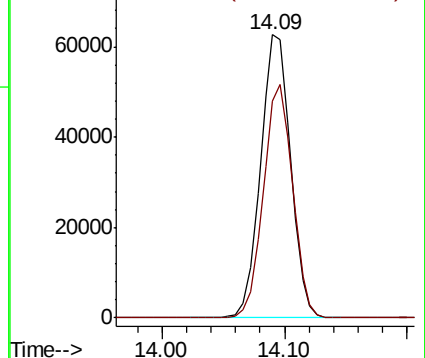
117 100

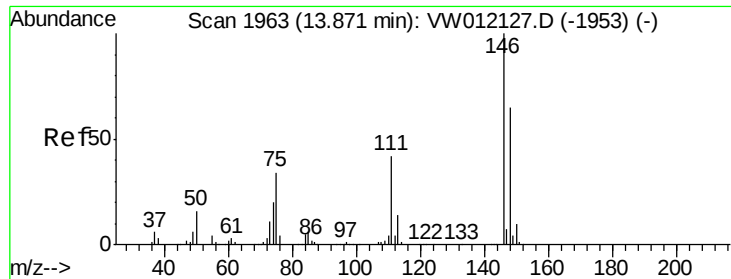
201 80.1 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 54.799 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

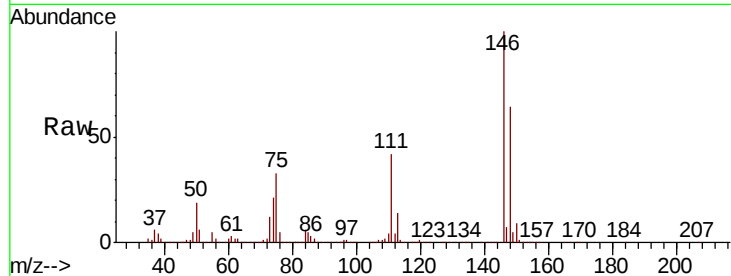
Tgt Ion:146 Resp: 248777

Ion Ratio Lower Upper

146 100

111 43.1 21.2 63.6

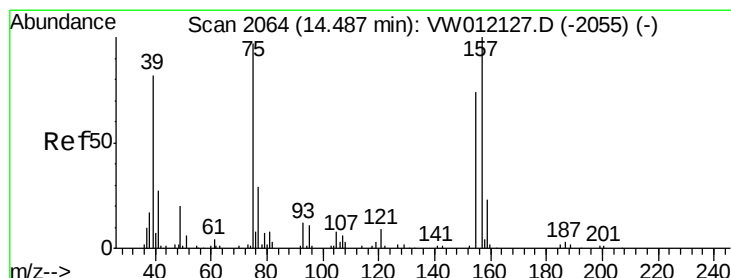
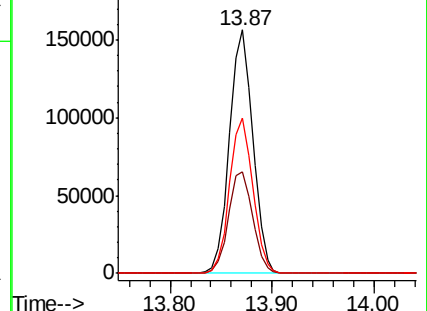
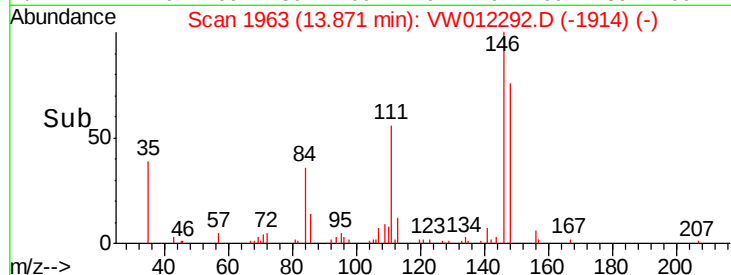
148 63.5 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.631 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

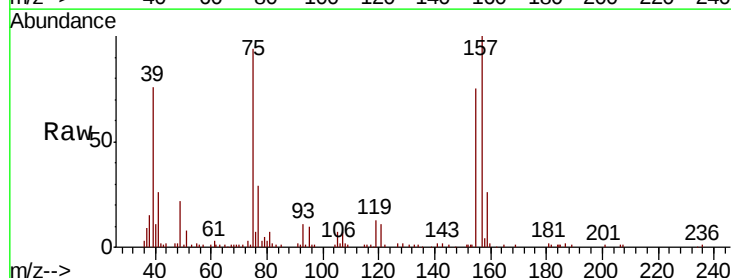
Tgt Ion: 75 Resp: 20271

Ion Ratio Lower Upper

75 100

155 76.8 37.5 112.3

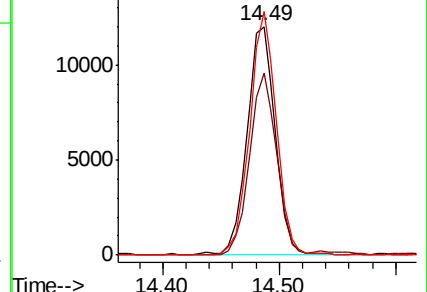
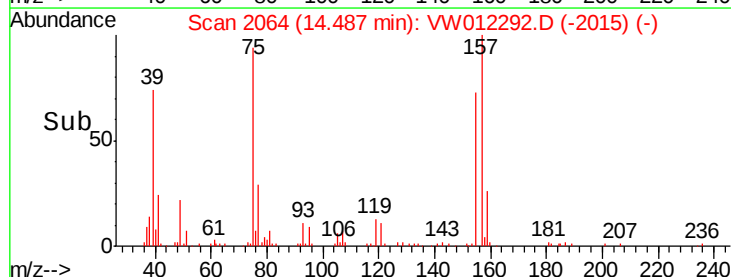
157 100.4 50.5 151.5

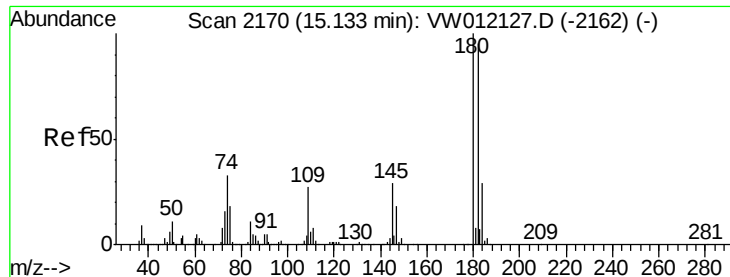


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

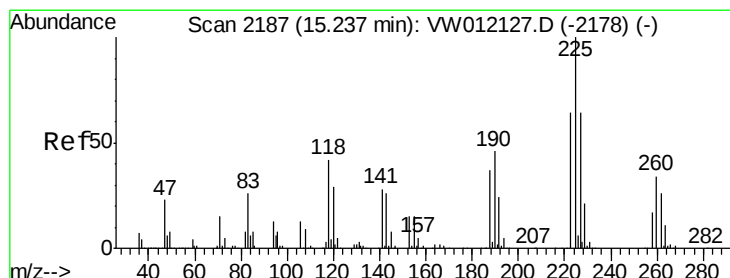
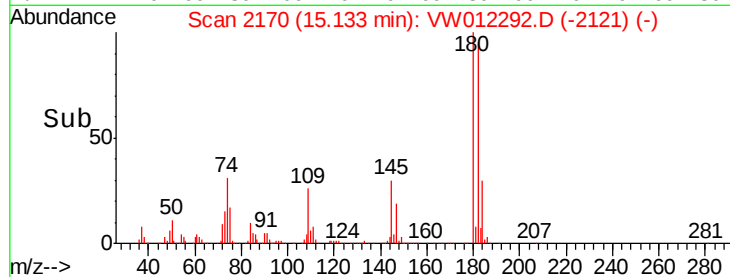
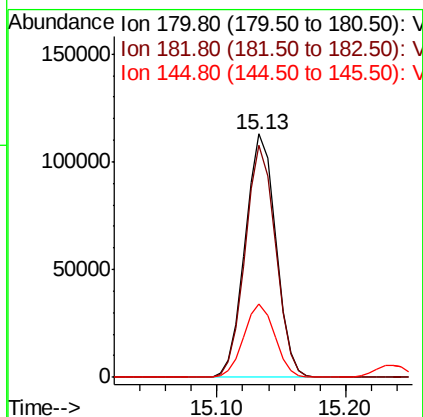
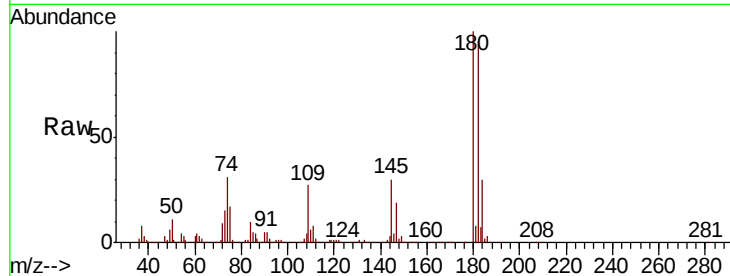




#93
 1,2,4-Trichlorobenzene
 Concen: 59.208 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

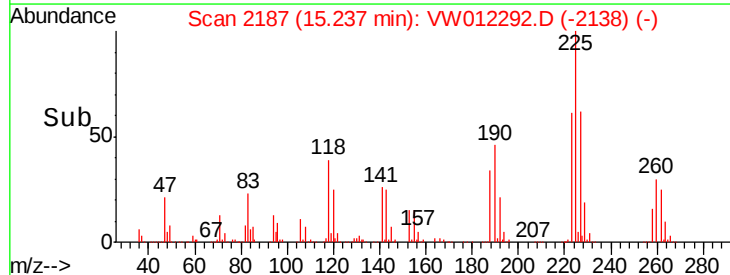
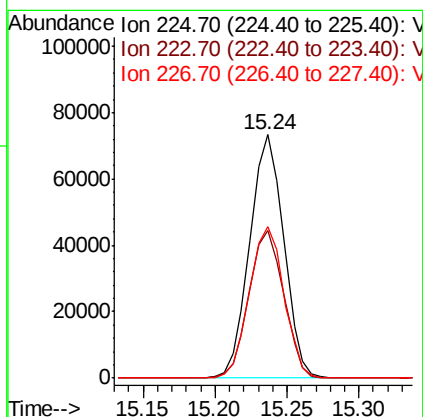
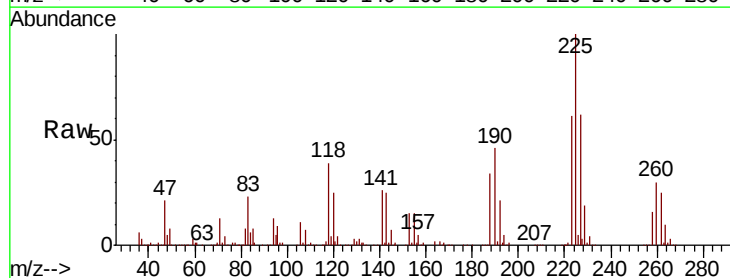
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

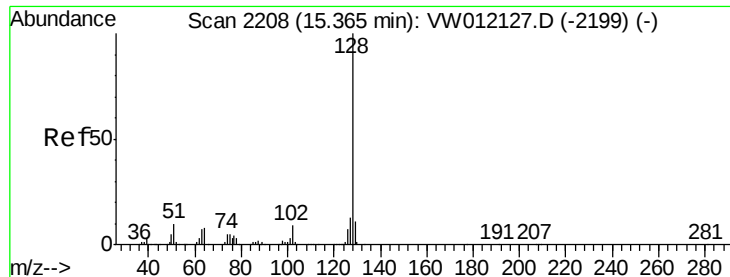
Tgt Ion:180 Resp: 185752
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.8 143.4
 145 30.6 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 57.868 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion:225 Resp: 119876
 Ion Ratio Lower Upper
 225 100
 223 61.9 32.3 96.8
 227 63.3 32.9 98.6

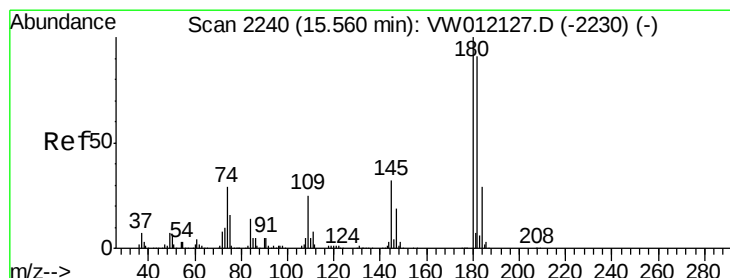
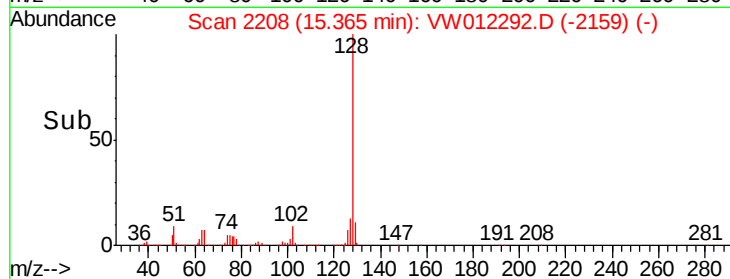
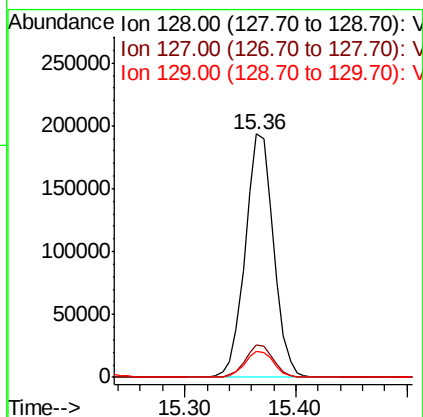
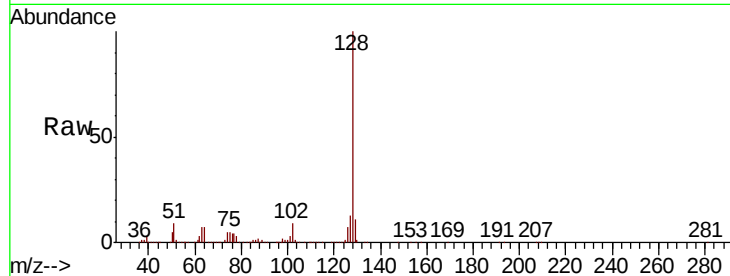




#95
Naphthalene
Concen: 55.218 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 342972
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 58.951 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion:180 Resp: 161360
Ion Ratio Lower Upper
180 100
182 95.4 47.1 141.3
145 32.8 16.2 48.5

