

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012436.D
 Acq On : 01 Sep 2019 08:22
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 02 01:19:18 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	185730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	309992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136731	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	121116	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	7.88	113	93527	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.32	98	362080	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.62	95	130419	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	49406	43.202	ug/l	98
3) Chloromethane	2.21	50	90536	51.099	ug/l	99
4) Vinyl Chloride	2.36	62	103310	47.639	ug/l	97
5) Bromomethane	2.72	94	50699	46.163	ug/l	96
6) Chloroethane	2.88	64	62823	51.354	ug/l	93
7) Trichlorofluoromethane	3.23	101	53397	49.037	ug/l	99
8) Diethyl Ether	3.67	74	55858	54.043	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	88132	47.615	ug/l	99
10) Methyl Iodide	4.26	142	133463	53.292	ug/l	98
11) Tert butyl alcohol	5.17	59	40022	301.214	ug/l	99
12) 1,1-Dichloroethene	4.03	96	86090	46.211	ug/l	94
13) Acrolein	3.88	56	18056	144.365	ug/l	95
14) Allyl chloride	4.66	41	205922	51.704	ug/l	99
15) Acrylonitrile	5.36	53	149704	292.215	ug/l	99
16) Acetone	4.11	43	133935	237.314	ug/l	96
17) Carbon Disulfide	4.37	76	249316	44.282	ug/l	99
18) Methyl Acetate	4.66	43	92040	65.843	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	183315	60.847	ug/l	99
20) Methylene Chloride	4.90	84	112114	52.547	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	102293	51.204	ug/l	99
22) Diisopropyl ether	6.31	45	422351	57.211	ug/l	97
23) Vinyl Acetate	6.25	43	1229090	270.533	ug/l	100
24) 1,1-Dichloroethane	6.21	63	216625	53.892	ug/l	99
25) 2-Butanone	7.17	43	209954	273.760	ug/l	99
26) 2,2-Dichloropropane	7.17	77	101515	44.620	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	115172	53.960	ug/l	99
28) Bromochloromethane	7.51	49	91035	51.963	ug/l	99
29) Tetrahydrofuran	7.52	42	138777	301.608	ug/l	99
30) Chloroform	7.67	83	206144	56.056	ug/l	99
31) Cyclohexane	7.95	56	167206	42.045	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	155826	53.564	ug/l	100
36) 1,1-Dichloropropene	8.08	75	151791	47.384	ug/l	99
37) Ethyl Acetate	7.25	43	94606	53.894	ug/l	100
38) Carbon Tetrachloride	8.07	117	137217	49.490	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	154408	42.906	ug/l	98
40) Benzene	8.32	78	448993	51.330	ug/l	100
41) Methacrylonitrile	7.48	41	60910	59.037	ug/l	97
42) 1,2-Dichloroethane	8.40	62	156690	57.156	ug/l	100
43) Isopropyl Acetate	8.42	43	176908	54.407	ug/l	100
44) Trichloroethene	9.09	130	106879	50.263	ug/l	98
45) 1,2-Dichloropropane	9.37	63	123088	52.286	ug/l	98
46) Dibromomethane	9.46	93	58248	55.611	ug/l	98
47) Bromodichloromethane	9.64	83	152686	54.773	ug/l	98
48) Methyl methacrylate	9.43	41	87968	56.842	ug/l	96
49) 1,4-Dioxane	9.45	88	18491	1153.183	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	469479	283.869	ug/l	99
52) Toluene	10.38	92	272284	51.816	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	148931	52.449	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	175119	51.076	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	82310	55.542	ug/l	98
56) Ethyl methacrylate	10.65	69	121277	56.229	ug/l	99
57) 1,3-Dichloropropane	10.93	76	152426	54.428	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	293300	264.963	ug/l	100
59) 2-Hexanone	10.97	43	316773	270.697	ug/l	100
60) Dibromochloromethane	11.13	129	92487	56.031	ug/l	99
61) 1,2-Dibromoethane	11.24	107	76960	55.743	ug/l	99
64) Tetrachloroethene	10.87	164	95965	52.819	ug/l	96
65) Chlorobenzene	11.66	112	278747	50.515	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	102355	53.170	ug/l	99
67) Ethyl Benzene	11.73	91	533954	50.232	ug/l	98
68) m/p-Xylenes	11.83	106	385354	100.643	ug/l	100
69) o-Xylene	12.16	106	180494	50.932	ug/l	97
70) Styrene	12.18	104	320074	52.181	ug/l	98
71) Bromoform	12.35	173	52665	54.910	ug/l	# 99
73) Isopropylbenzene	12.46	105	501694	48.968	ug/l	100
74) N-amyl acetate	12.27	43	159419	51.501	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	96994	51.639	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	67295m	50.535	ug/l	
77) Bromobenzene	12.74	156	114460	51.640	ug/l	98
78) n-propylbenzene	12.80	91	605121	48.380	ug/l	99
79) 2-Chlorotoluene	12.89	91	354207	49.880	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	436380	50.973	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	28564	47.030	ug/l	97
82) 4-Chlorotoluene	12.99	91	371161	49.918	ug/l	100
83) tert-Butylbenzene	13.21	119	363140	50.075	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	439217	51.073	ug/l	99
85) sec-Butylbenzene	13.38	105	498642	47.994	ug/l	100
86) p-Isopropyltoluene	13.50	119	457134	49.268	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	220364	50.829	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	218863	50.843	ug/l	99
89) n-Butylbenzene	13.82	91	438251	47.497	ug/l	100
90) Hexachloroethane	14.09	117	81312	49.949	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	198338	52.150	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17429	55.042	ug/l	95

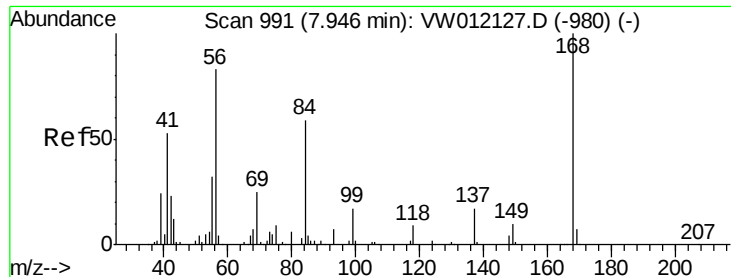
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	135844	51.685	ug/l	99
94) Hexachlorobutadiene	15.24	225	89439	51.536	ug/l	99
95) Naphthalene	15.36	128	257483	49.931	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	122531	53.434	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

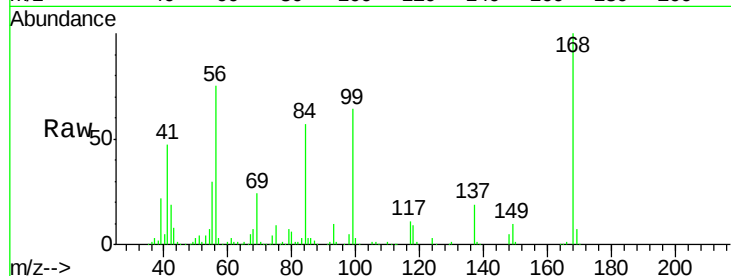
VSTDCCC050EC

Tot Ion:168 Resp: 185730

Ion Ratio Lower Upper

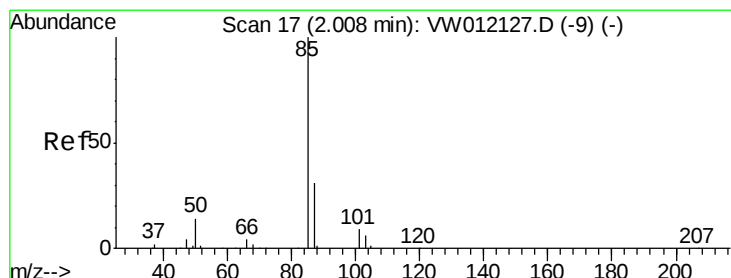
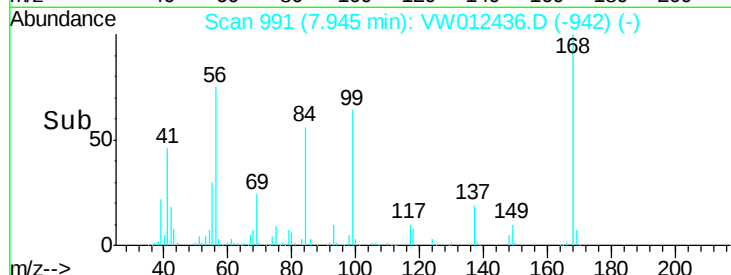
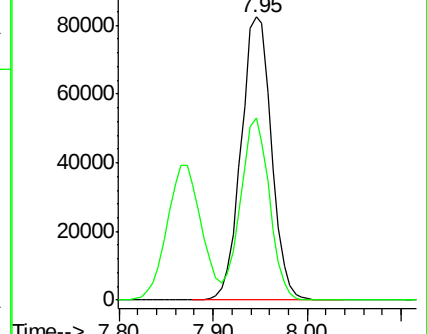
168 100

99 64.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.202 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012436.D

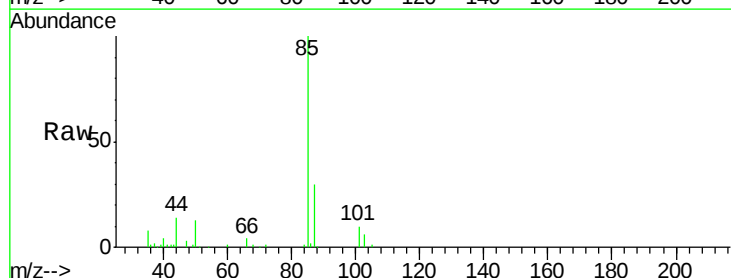
Acq: 01 Sep 2019 08:22

Tgt Ion: 85 Resp: 49406

Ion Ratio Lower Upper

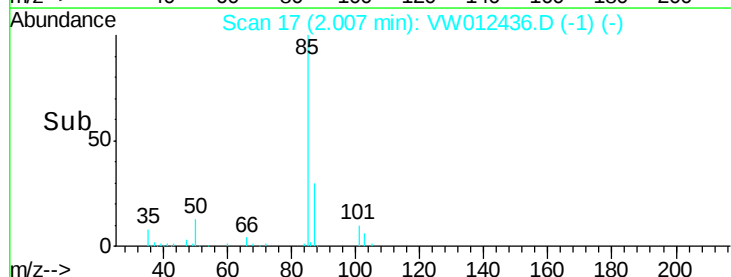
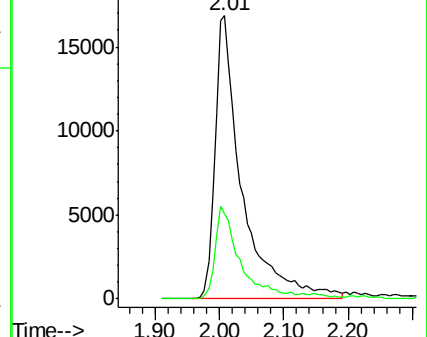
85 100

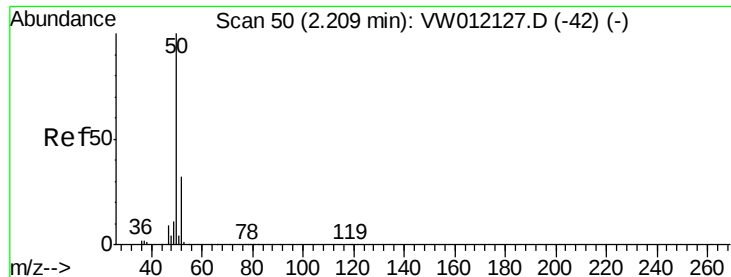
87 29.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 51.099 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

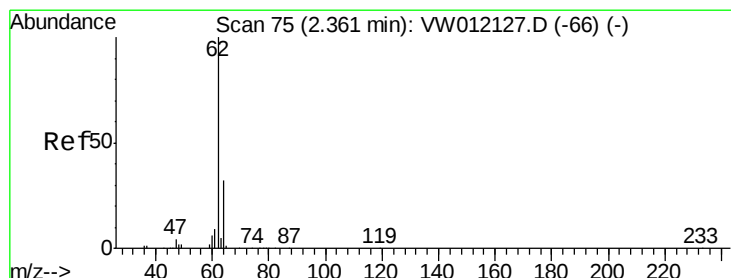
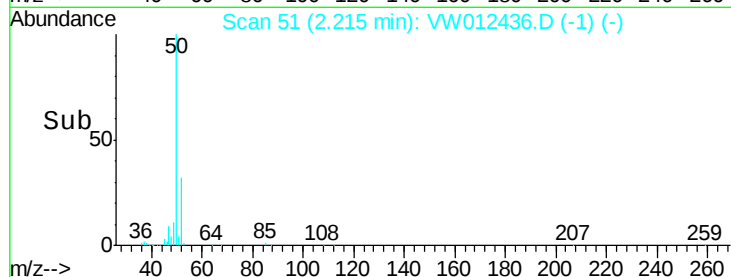
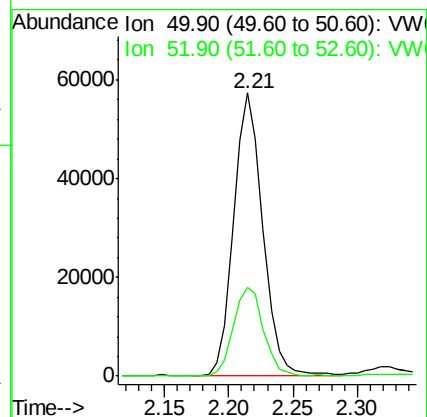
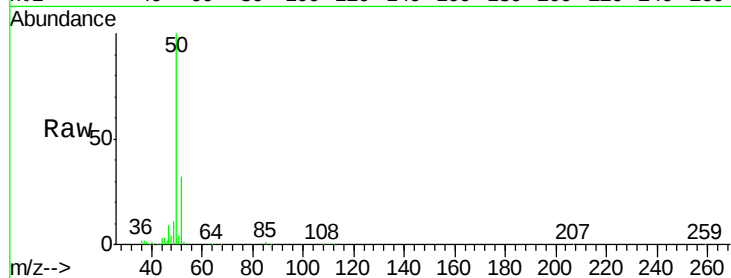
VSTDCCC050EC

Tot Ion: 50 Resp: 90536

Ion Ratio Lower Upper

50 100

52 31.6 25.5 38.3



#4

Vinyl Chloride

Concen: 47.639 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012436.D

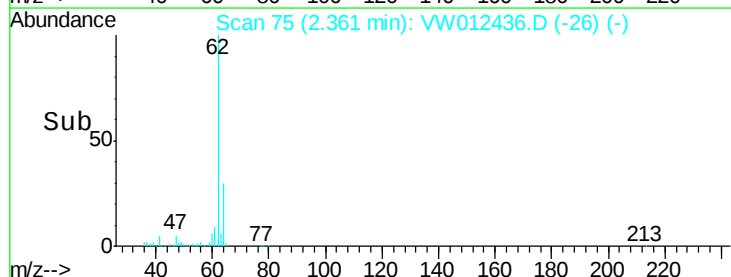
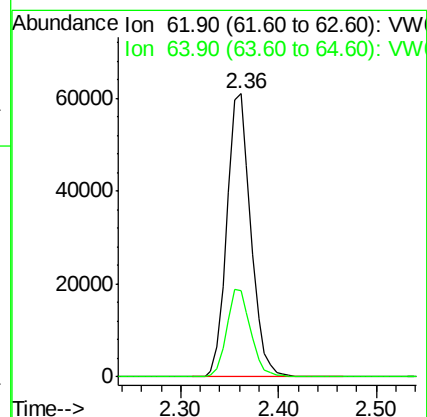
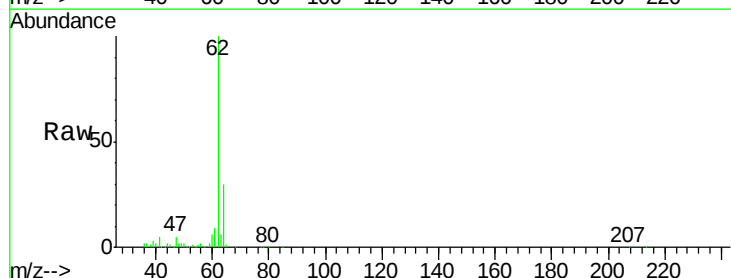
Acq: 01 Sep 2019 08:22

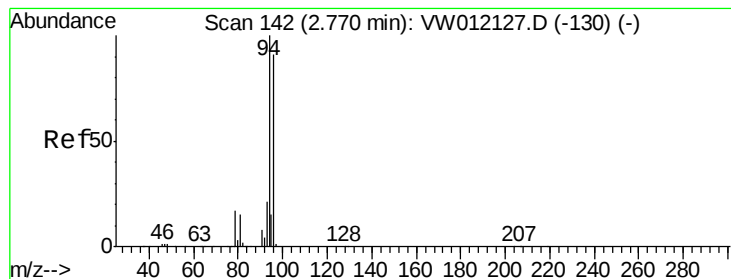
Tgt Ion: 62 Resp: 103310

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9





#5

Bromomethane

Concen: 46.163 ug/l

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

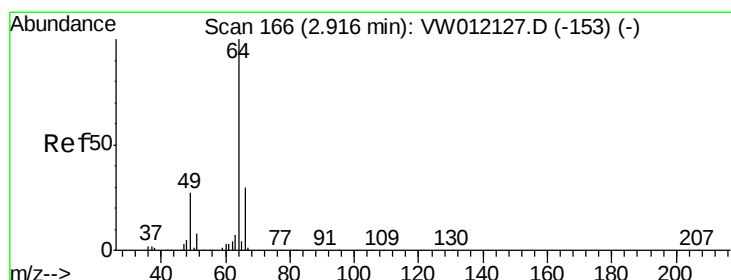
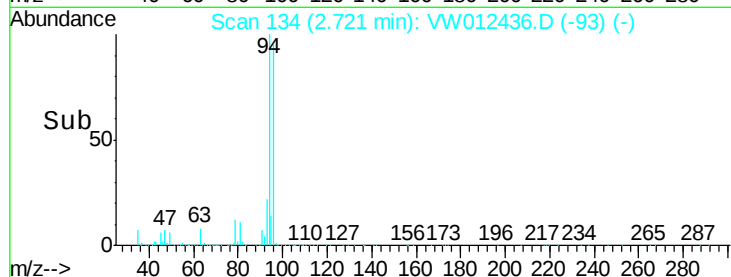
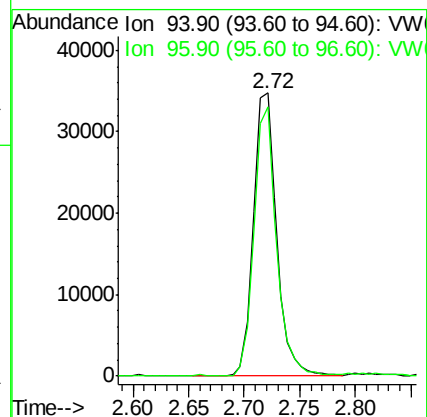
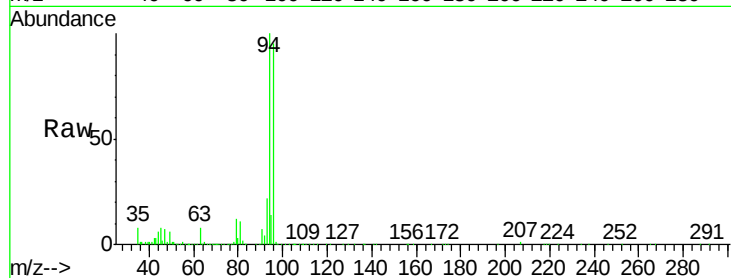
VSTDCCC050EC

Tot Ion: 94 Resp: 50699

Ion Ratio Lower Upper

94 100

96 94.6 72.9 109.3



#6

Chloroethane

Concen: 51.354 ug/l

RT: 2.88 min Scan# 160

Delta R.T. -0.04 min

Lab File: VW012436.D

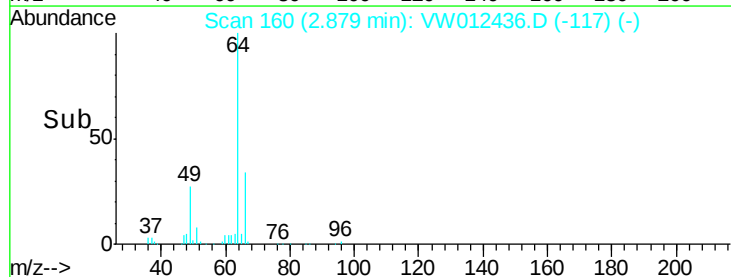
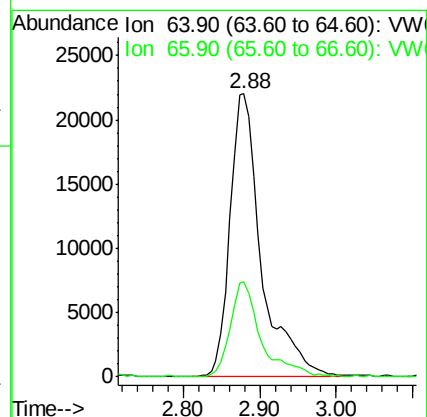
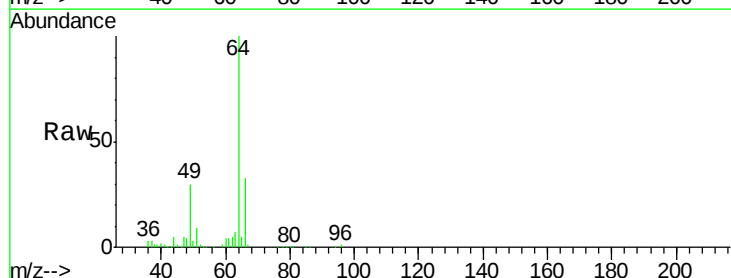
Acq: 01 Sep 2019 08:22

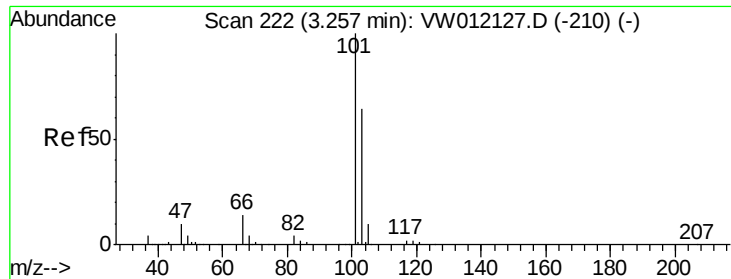
Tgt Ion: 64 Resp: 62823

Ion Ratio Lower Upper

64 100

66 33.5 23.8 35.8



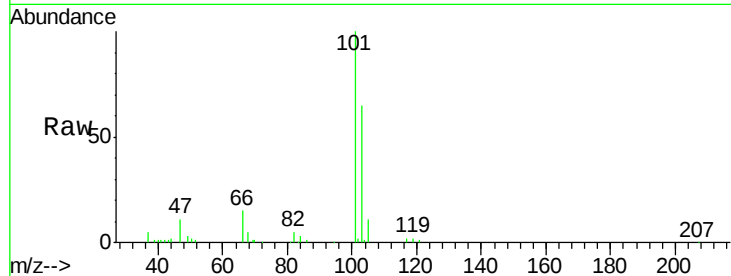


#7

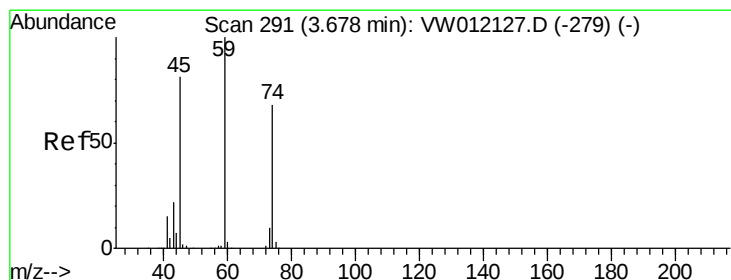
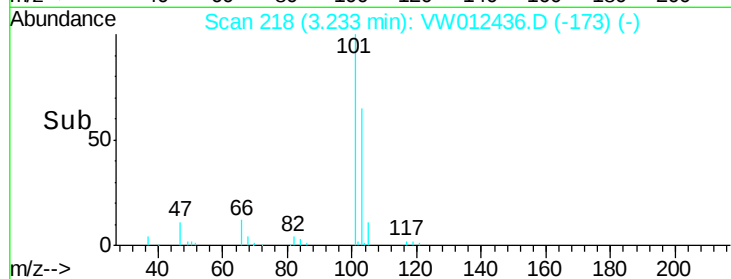
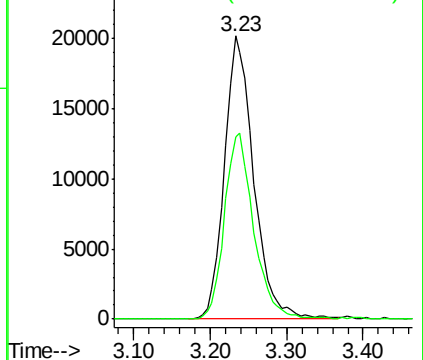
Trichlorofluoromethane
Concen: 49.037 ug/l
RT: 3.23 min Scan# 218
Delta R.T. -0.02 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 53397
Ion Ratio Lower Upper
101 100
103 64.6 51.2 76.8



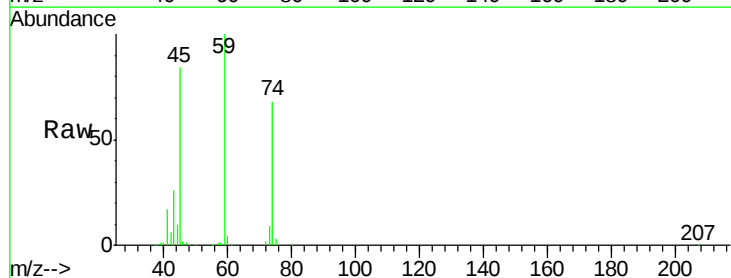
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



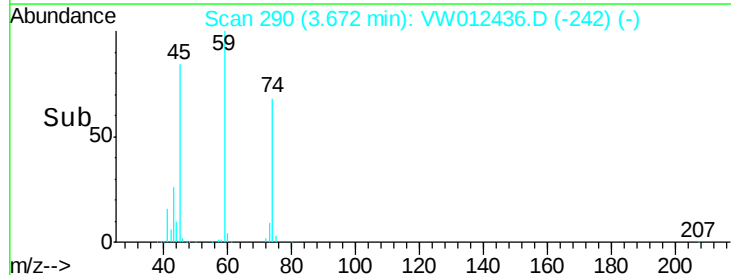
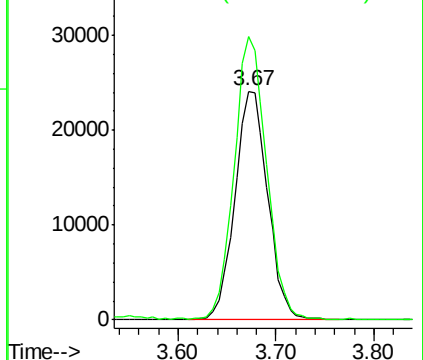
#8

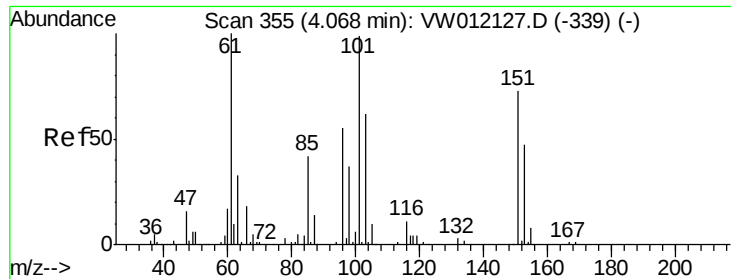
Diethyl Ether
Concen: 54.043 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion: 74 Resp: 55858
Ion Ratio Lower Upper
74 100
45 122.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.615 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

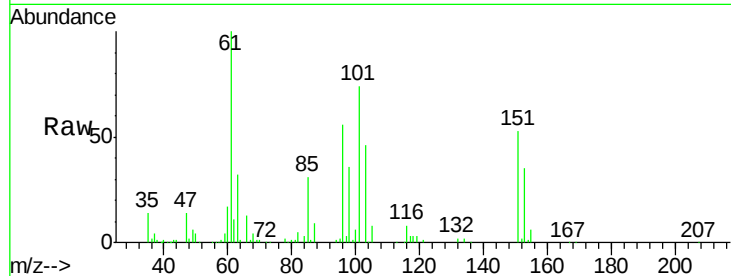
Tot Ion:101 Resp: 88132

Ion Ratio Lower Upper

101 100

85 45.1 35.8 53.6

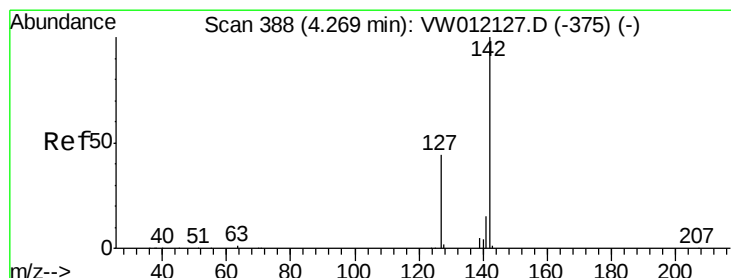
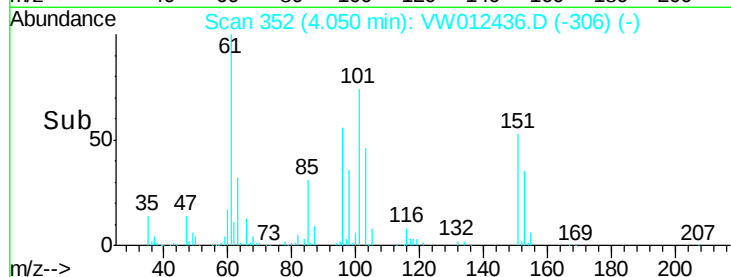
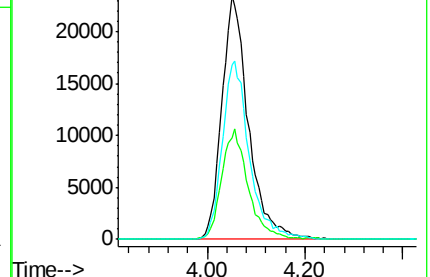
151 74.5 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.292 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

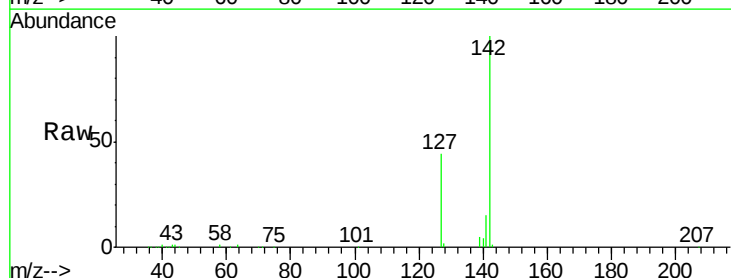
Tgt Ion:142 Resp: 133463

Ion Ratio Lower Upper

142 100

127 46.4 35.5 53.3

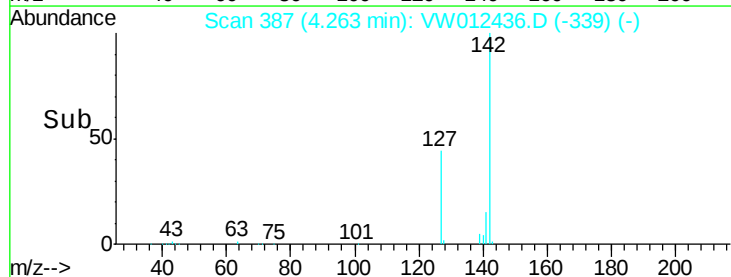
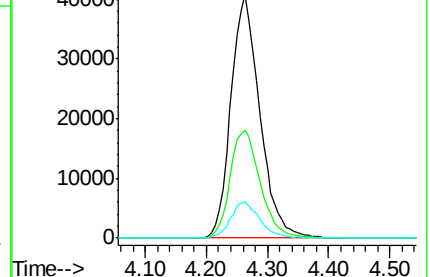
141 15.1 11.8 17.8

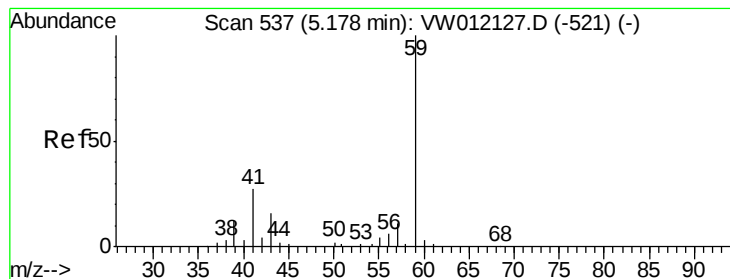


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



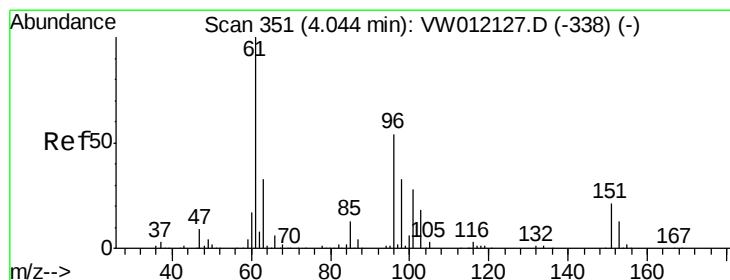
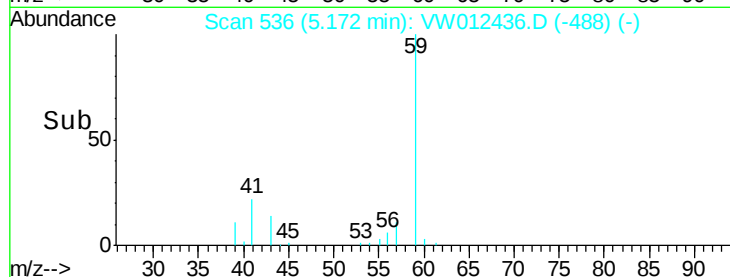
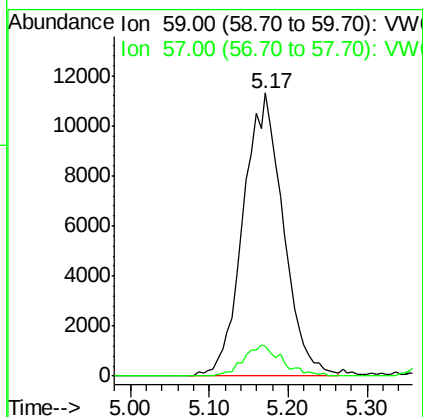
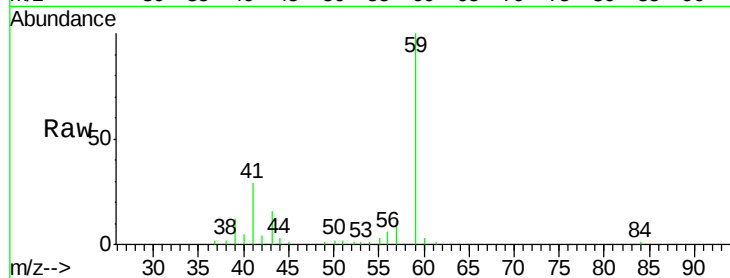


#11

Tert butyl alcohol
 Concen: 301.214 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

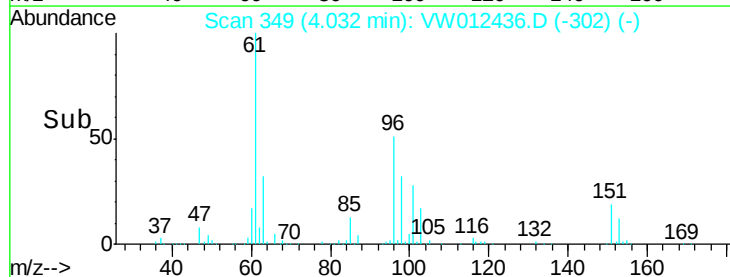
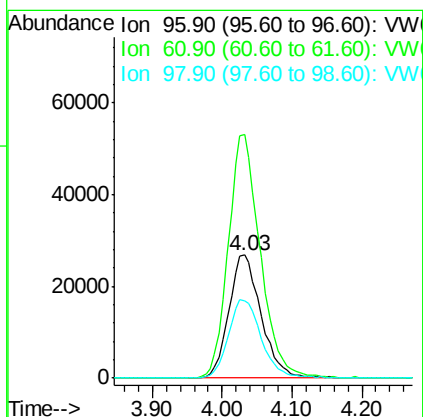
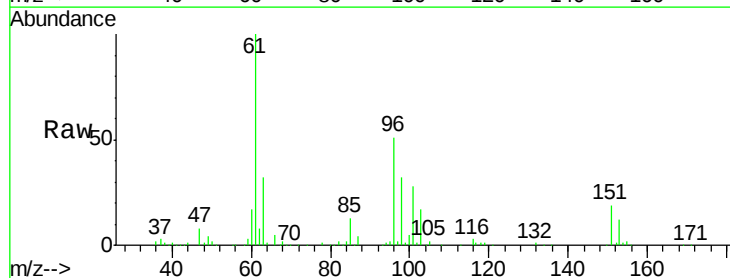
Tot Ion: 59 Resp: 40022
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.0 13.4

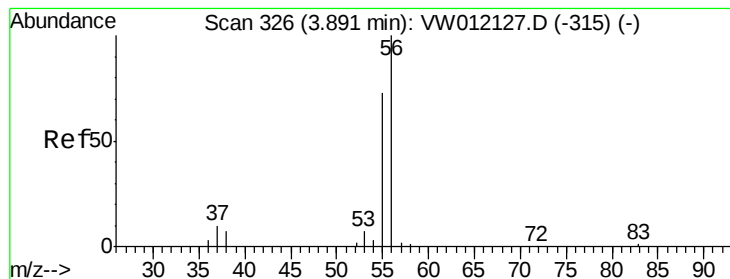


#12

1,1-Dichloroethene
 Concen: 46.211 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Tgt Ion: 96 Resp: 86090
 Ion Ratio Lower Upper
 96 100
 61 197.9 149.1 223.7
 98 62.6 49.4 74.2





#13

Acrolein

Concen: 144.365 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

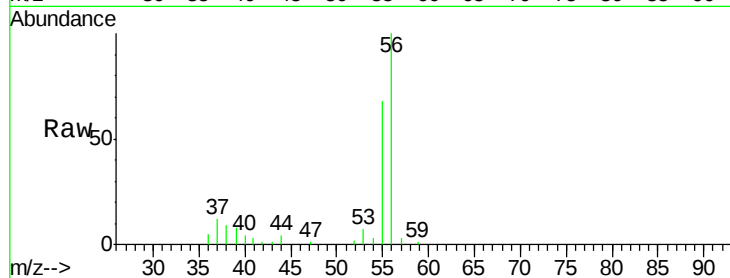
VSTDCCC050EC

Tot Ion: 56 Resp: 18056

Ion Ratio Lower Upper

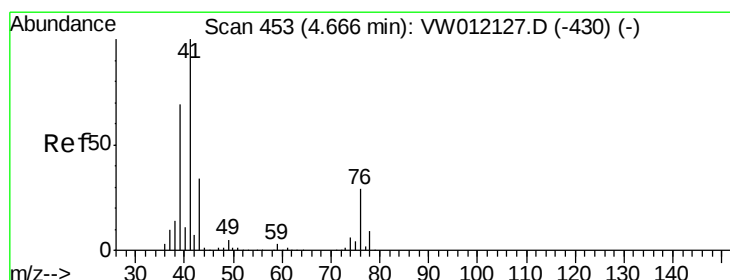
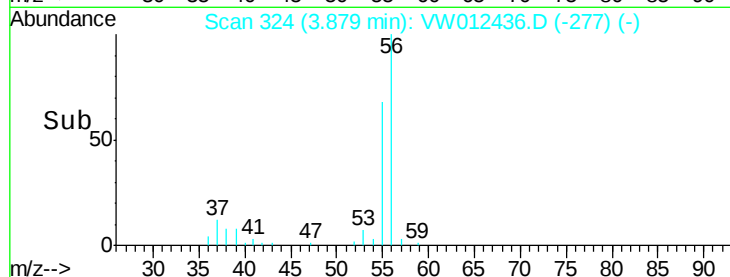
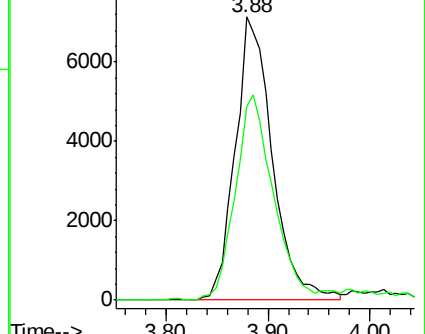
56 100

55 73.6 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 51.704 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

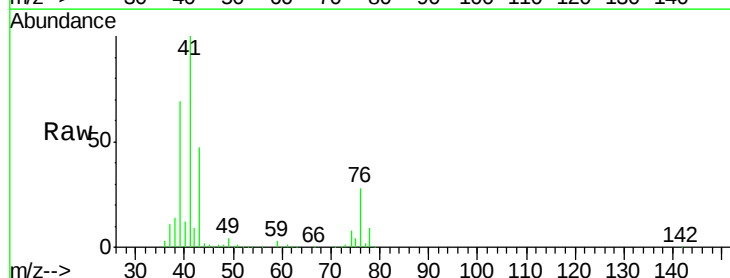
Tgt Ion: 41 Resp: 205922

Ion Ratio Lower Upper

41 100

39 67.3 53.4 80.2

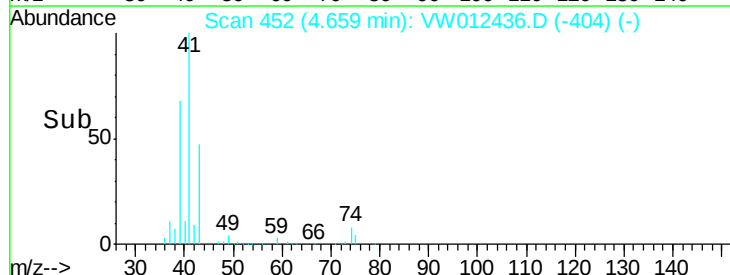
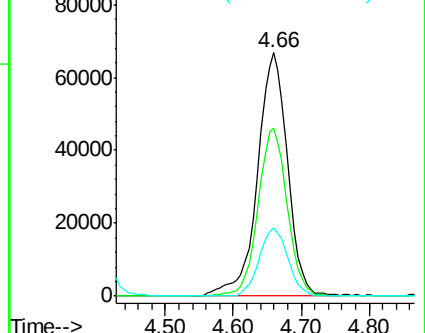
76 26.8 22.1 33.1

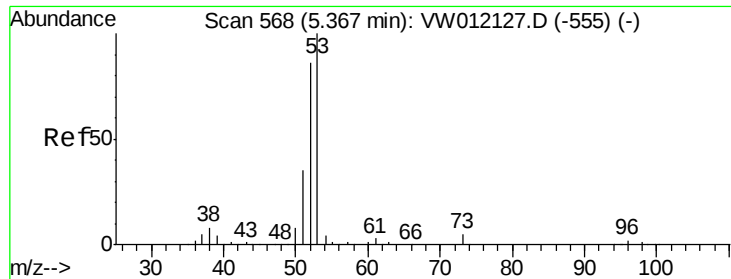


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 292.215 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

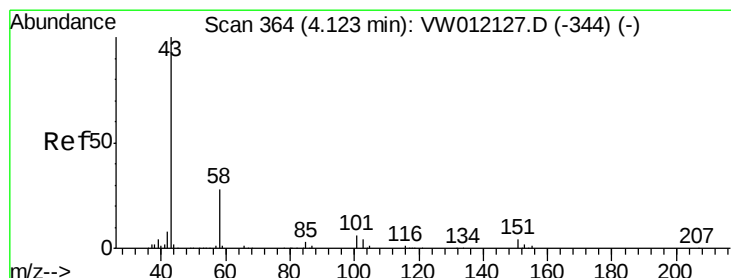
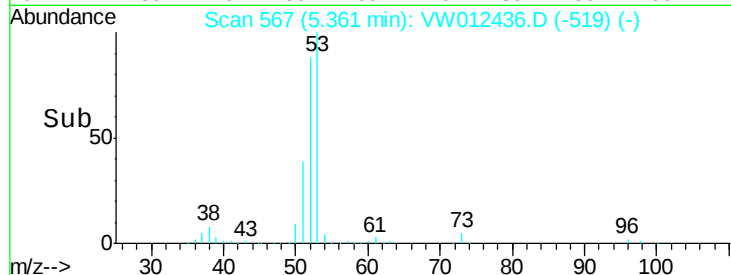
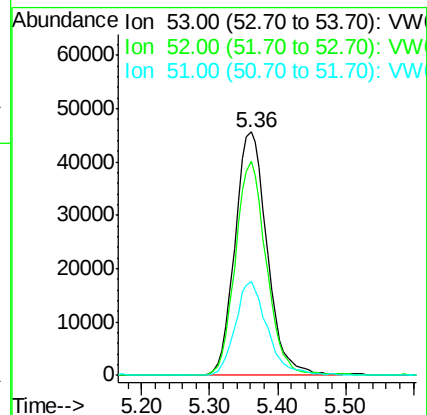
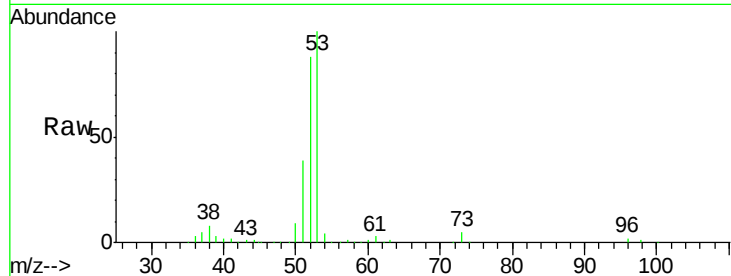
Tot Ion: 53 Resp: 149704

Ion Ratio Lower Upper

53 100

52 84.7 66.7 100.1

51 38.3 30.1 45.1



#16

Acetone

Concen: 237.314 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW012436.D

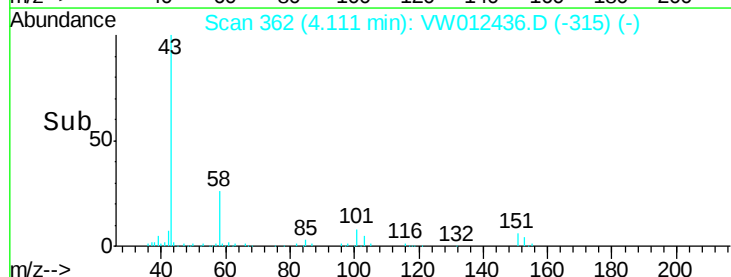
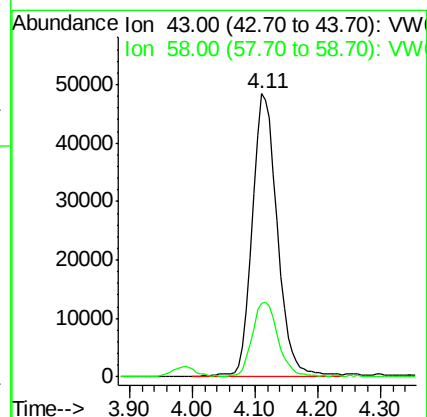
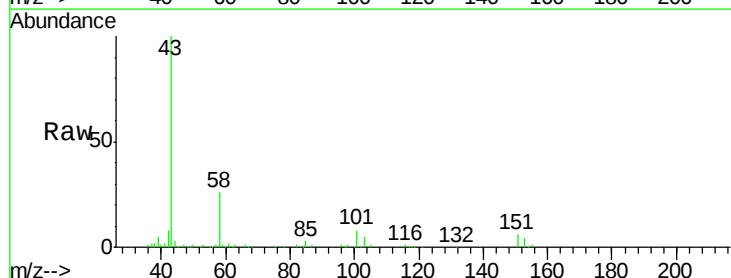
Acq: 01 Sep 2019 08:22

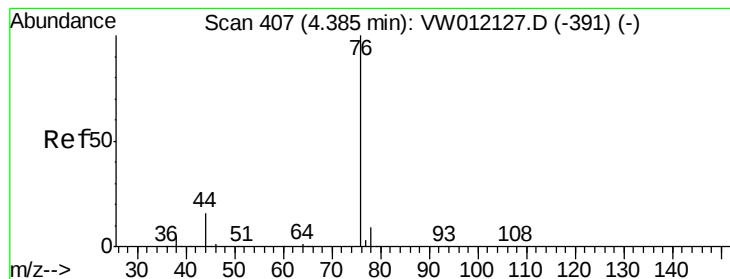
Tgt Ion: 43 Resp: 133935

Ion Ratio Lower Upper

43 100

58 25.7 22.4 33.6





#17

Carbon Disulfide

Concen: 44.282 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

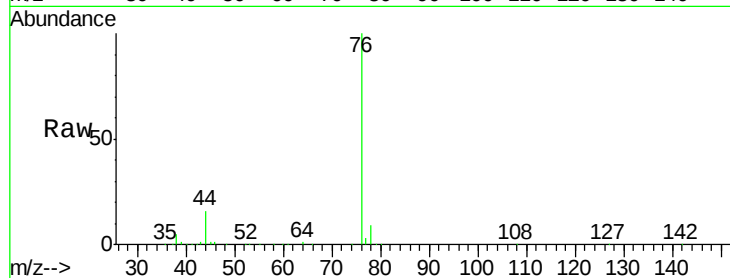
VSTDCCC050EC

Tot Ion: 76 Resp: 249316

Ion Ratio Lower Upper

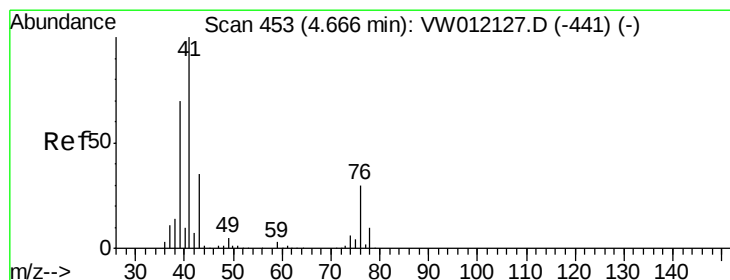
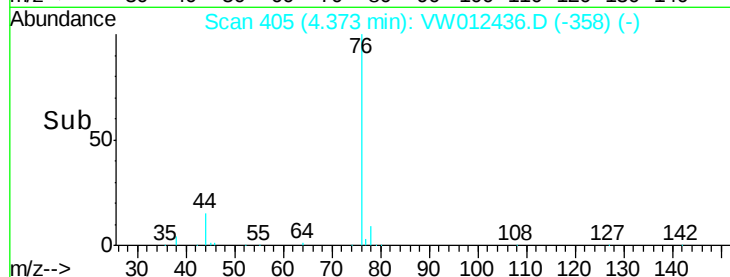
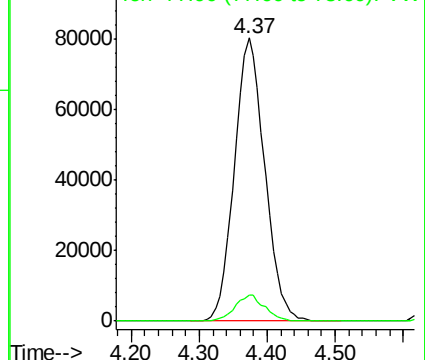
76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 65.843 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012436.D

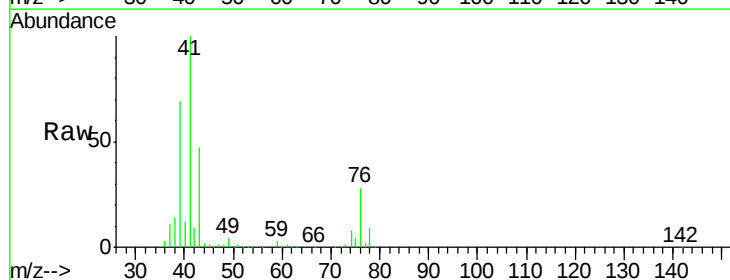
Acq: 01 Sep 2019 08:22

Tgt Ion: 43 Resp: 92040

Ion Ratio Lower Upper

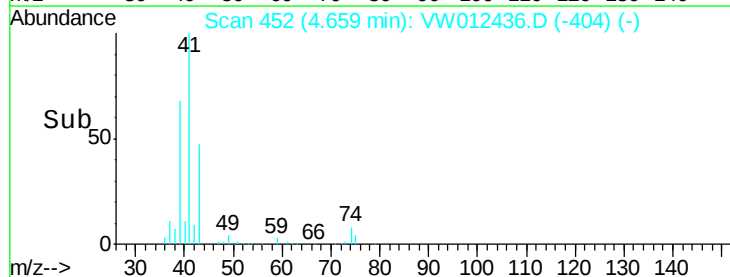
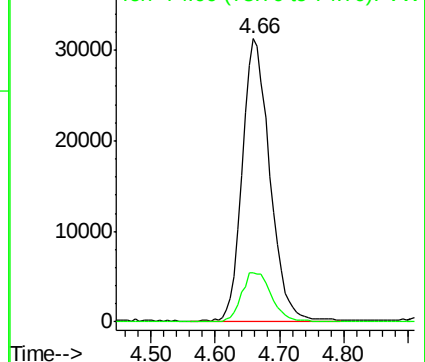
43 100

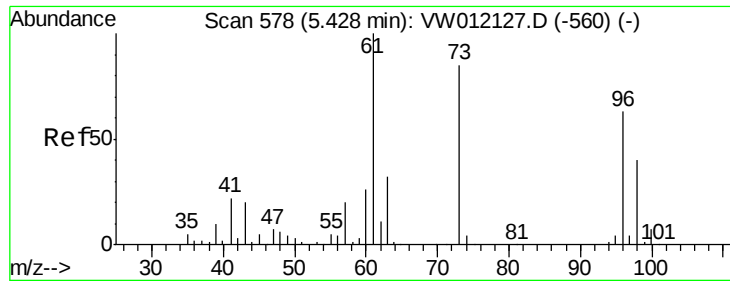
74 19.0 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

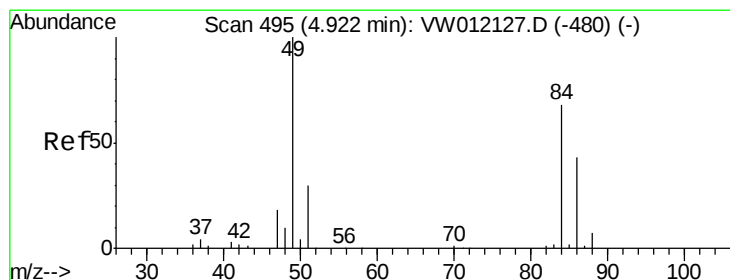
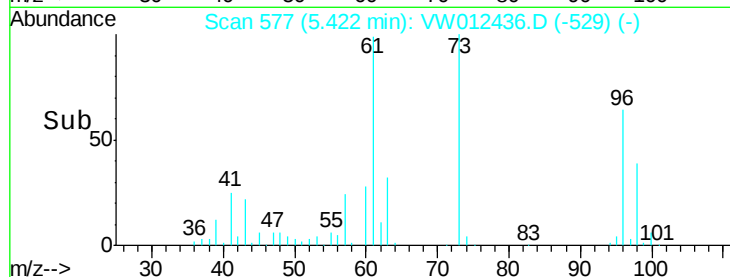
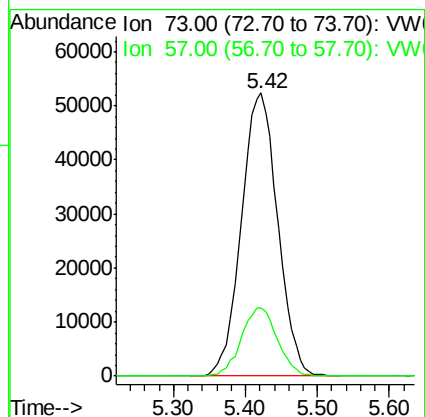
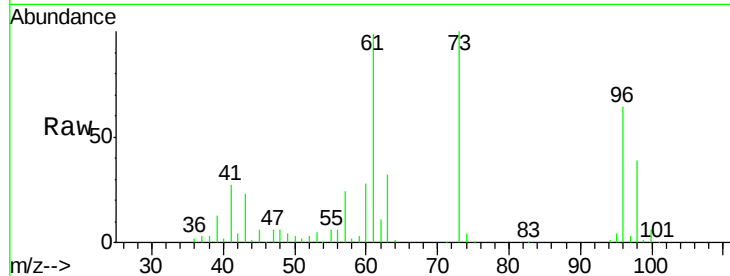




#19
Methvl tert-butvl Ether
Concen: 60.847 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

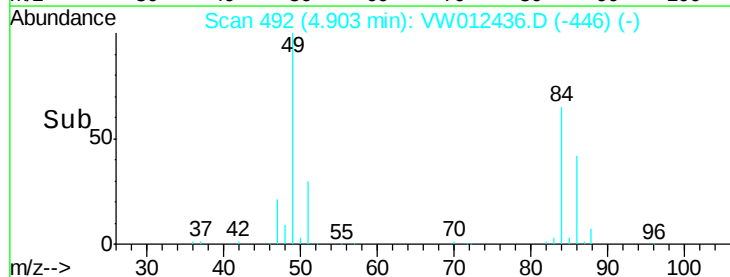
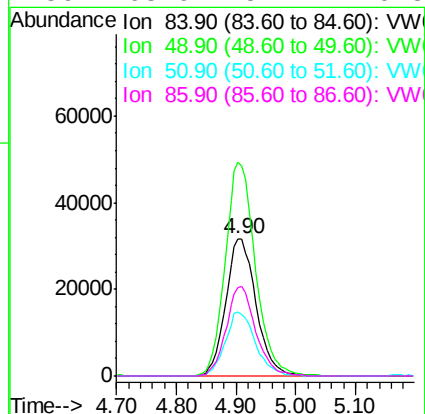
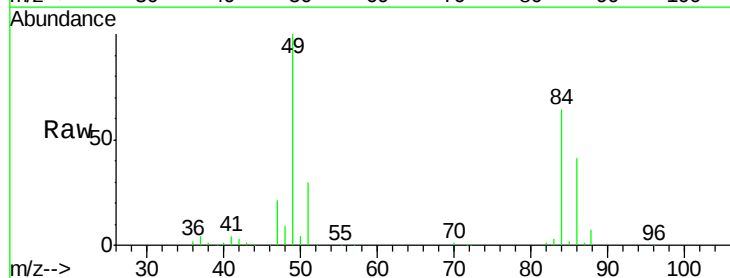
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

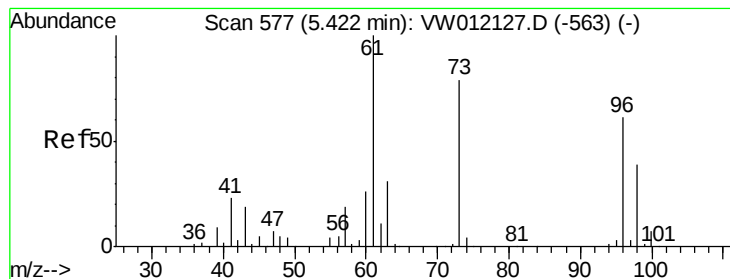
Tot Ion: 73 Resp: 183315
Ion Ratio Lower Upper
73 100
57 24.1 18.9 28.3



#20
Methylene Chloride
Concen: 52.547 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion: 84 Resp: 112114
Ion Ratio Lower Upper
84 100
49 155.5 117.8 176.8
51 46.7 35.6 53.4
86 63.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 51.204 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

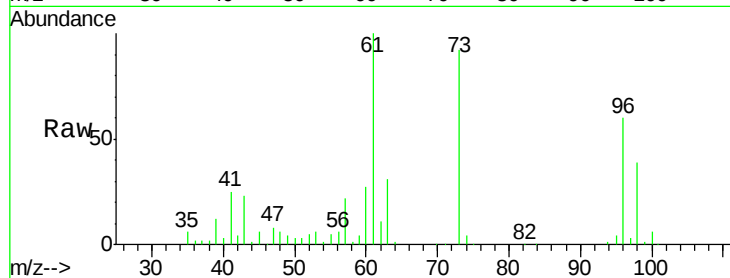
Tot Ion: 96 Resp: 102293

Ion Ratio Lower Upper

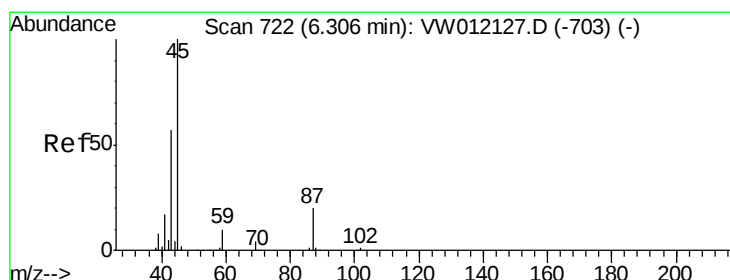
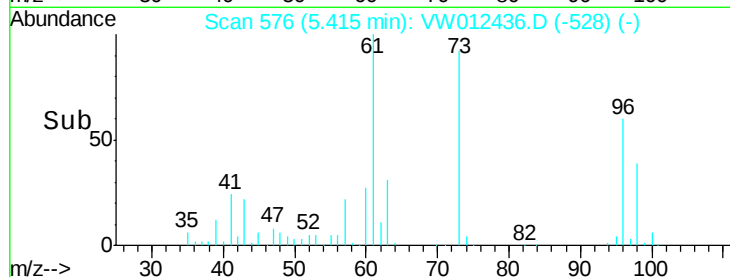
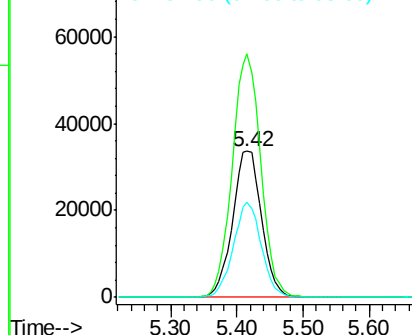
96 100

61 166.3 131.4 197.0

98 65.0 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: 57.211 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Tgt Ion: 45 Resp: 422351

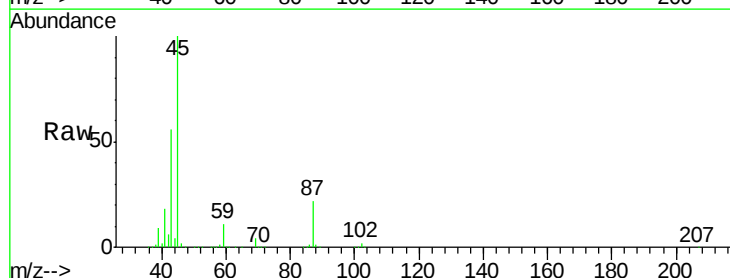
Ion Ratio Lower Upper

45 100

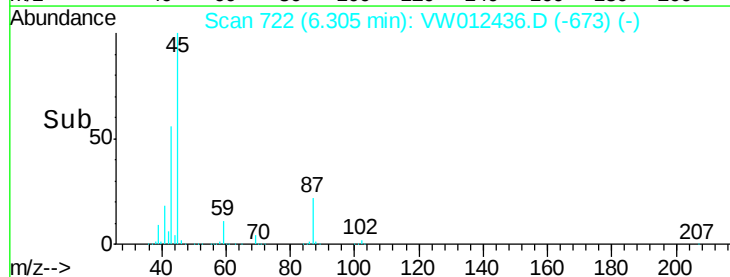
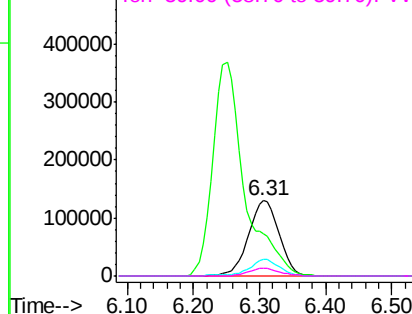
43 55.1 45.5 68.3

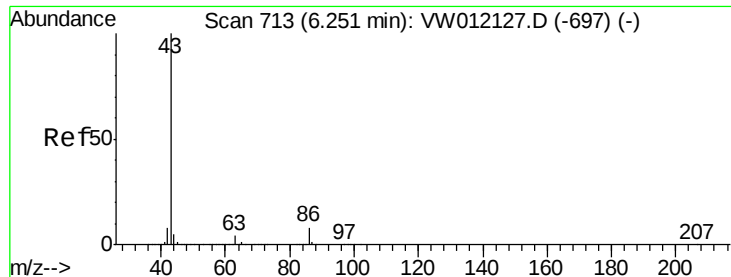
87 21.6 16.1 24.1

59 10.9 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 270.533 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

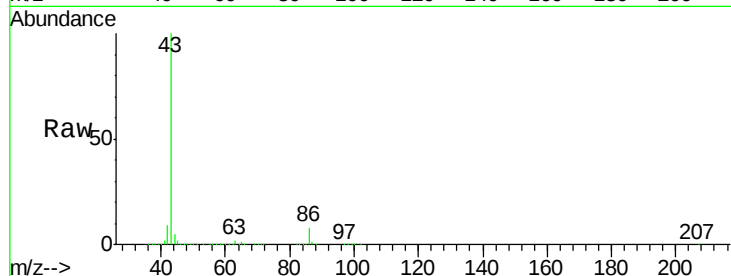
VSTDCCC050EC

Tot Ion: 43 Resp: 1229090

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

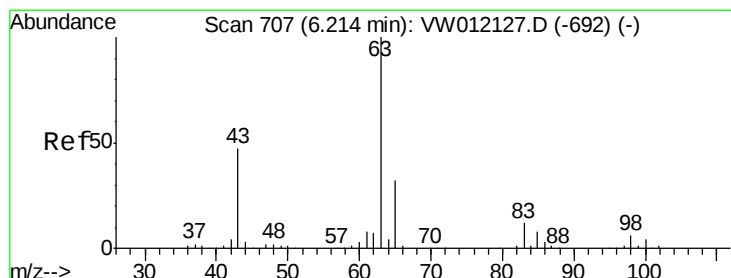
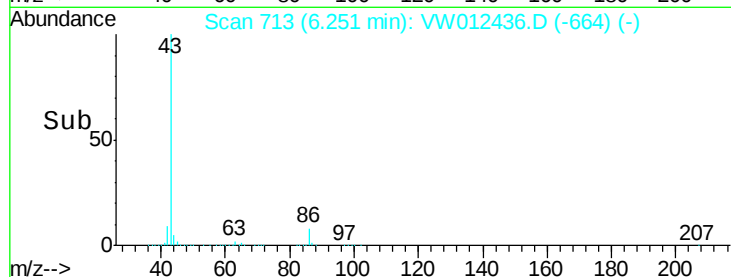
300000

200000

100000

0

Time--> 6.00 6.20 6.40 6.60



#24

1,1-Dichloroethane

Concen: 53.892 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

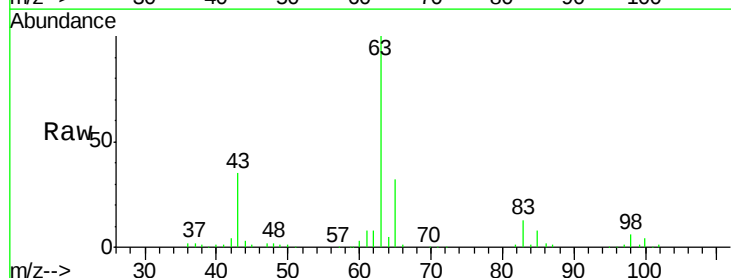
Tgt Ion: 63 Resp: 216625

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

100000

80000

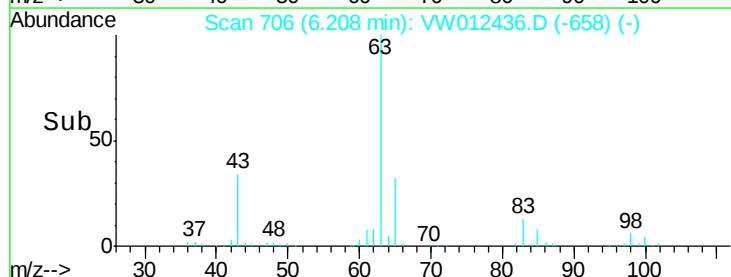
60000

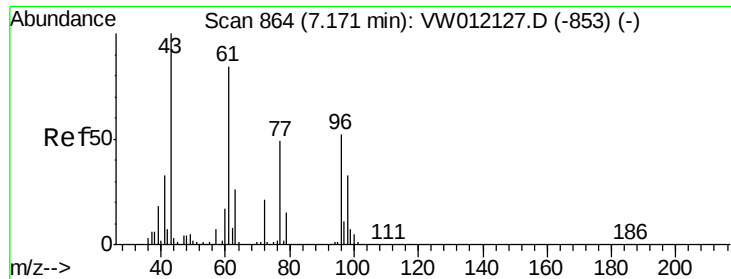
40000

20000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 273.760 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

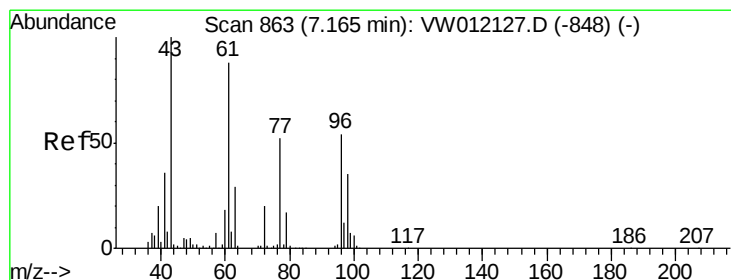
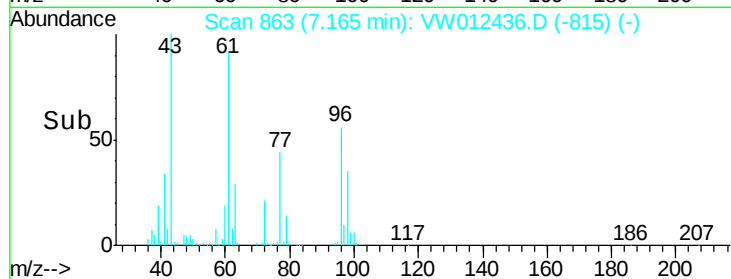
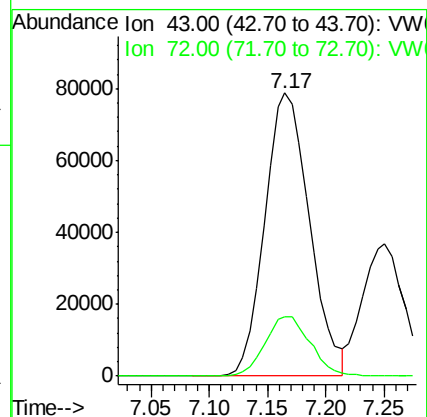
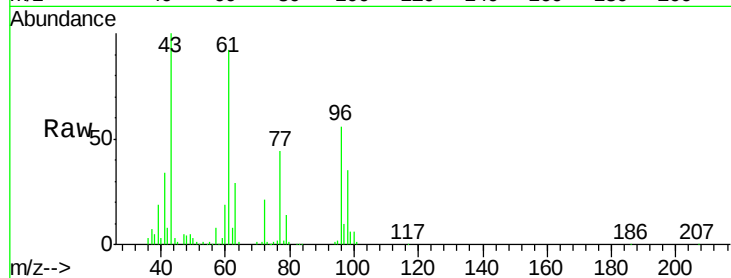
VSTDCCC050EC

Tot Ion: 43 Resp: 209954

Ion Ratio Lower Upper

43 100

72 21.1 16.6 24.8



#26

2,2-Dichloropropane

Concen: 44.620 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012436.D

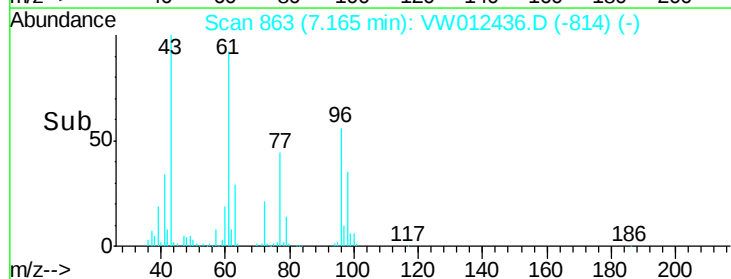
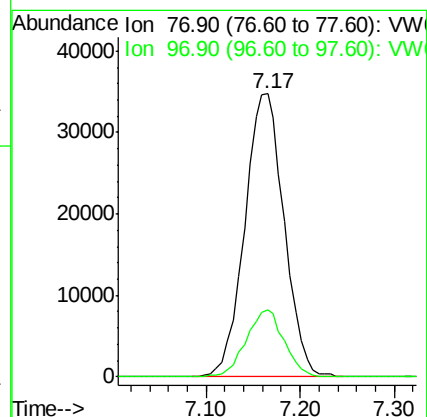
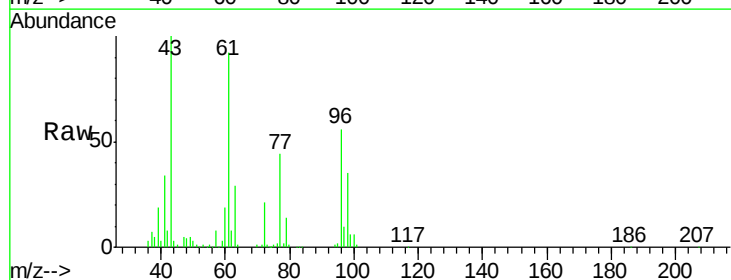
Acq: 01 Sep 2019 08:22

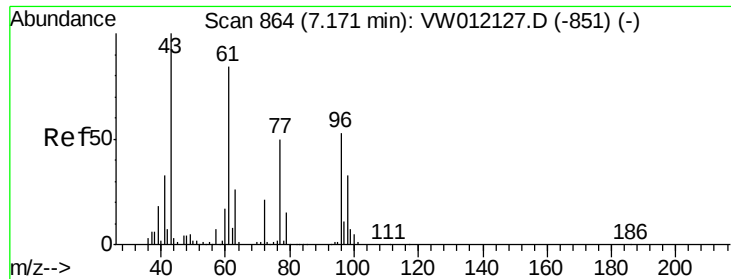
Tgt Ion: 77 Resp: 101515

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.1



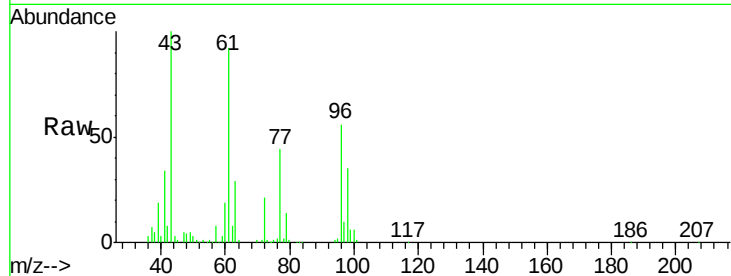


#27

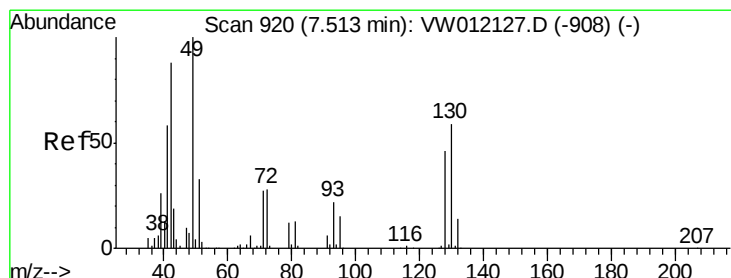
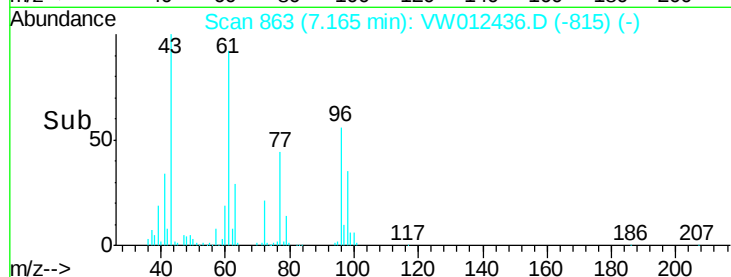
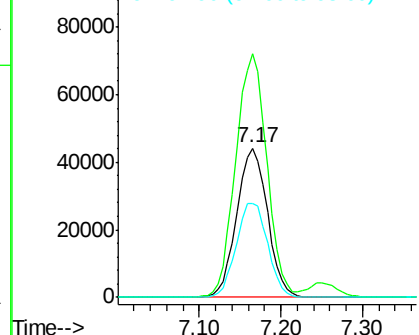
cis-1,2-Dichloroethene
 Concen: 53.960 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 115172
 Ion Ratio Lower Upper
 96 100
 61 164.9 0.0 326.6
 98 64.8 0.0 127.4



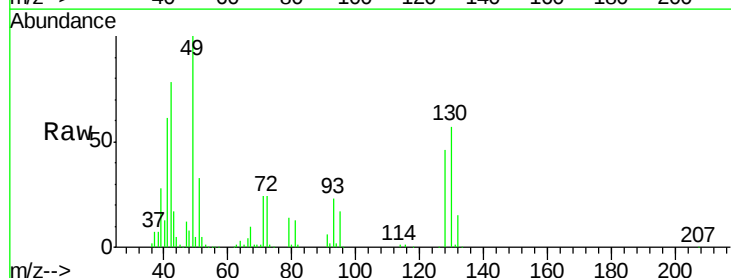
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



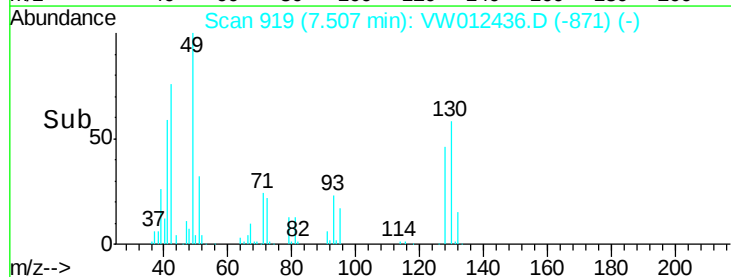
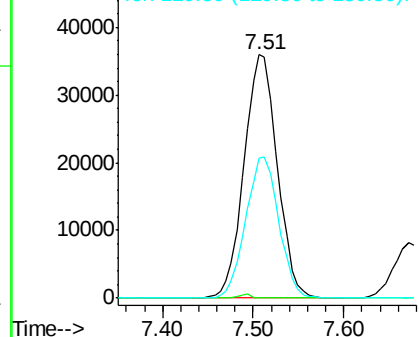
#28

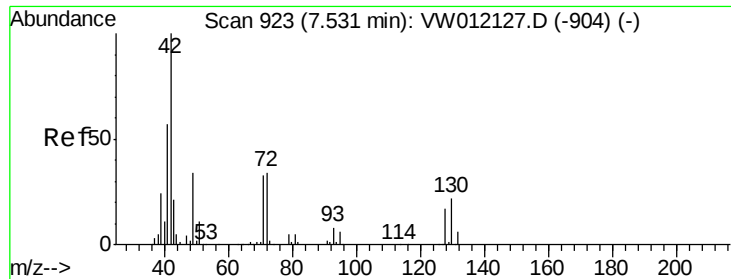
Bromochloromethane
 Concen: 51.963 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Tgt Ion: 49 Resp: 91035
 Ion Ratio Lower Upper
 49 100
 129 0.5 0.0 1.4
 130 57.7 45.5 68.3



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

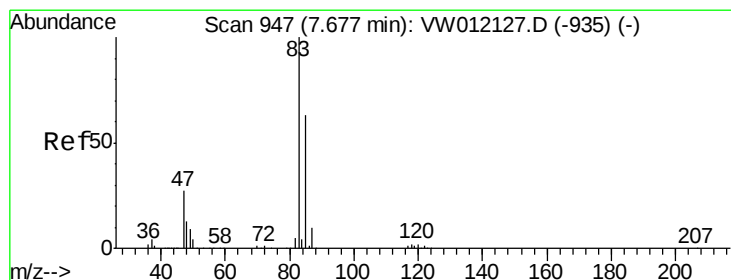
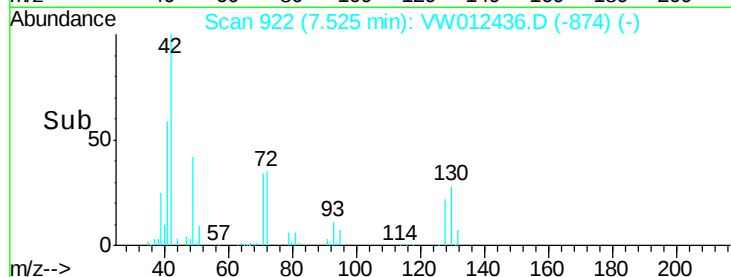
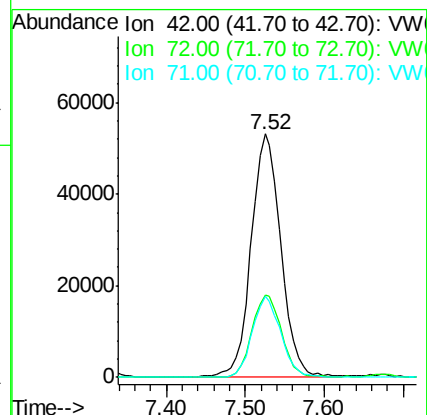
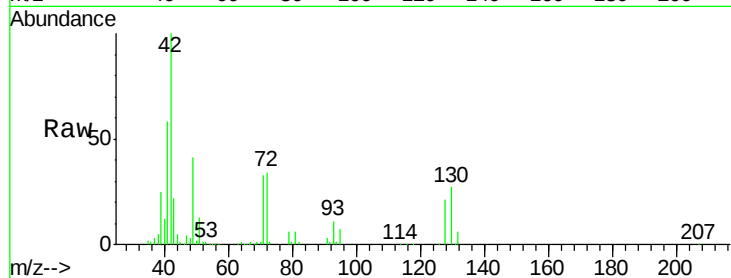




#29
Tetrahydrofuran
Concen: 301.608 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

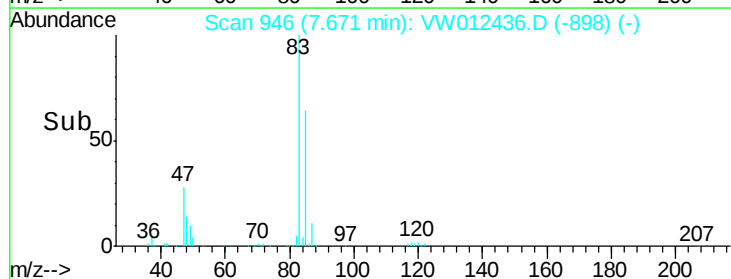
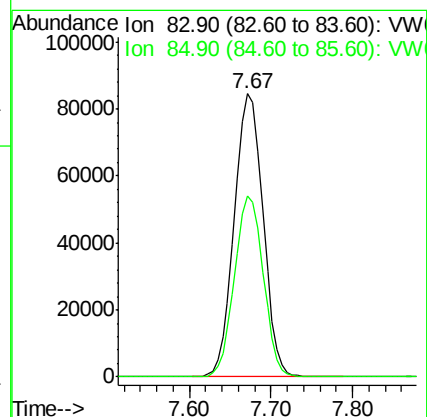
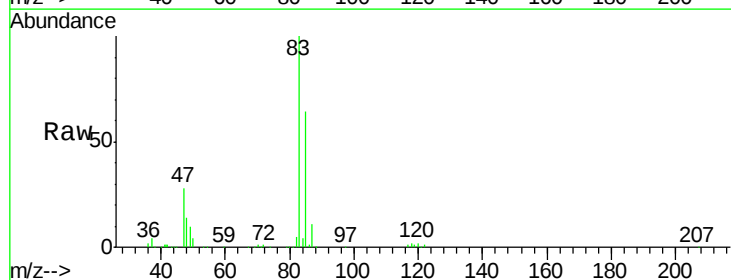
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

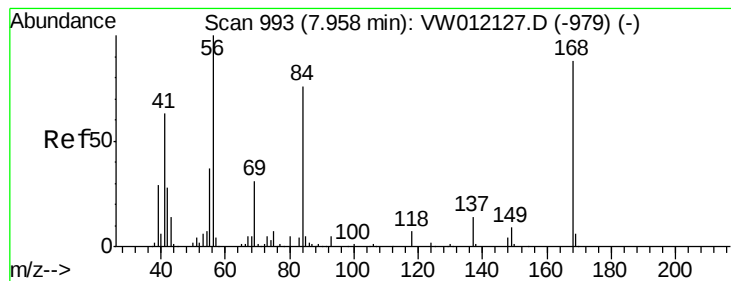
Tot Ion: 42 Resp: 138777
Ion Ratio Lower Upper
42 100
72 33.9 27.3 40.9
71 32.3 25.5 38.3



#30
Chloroform
Concen: 56.056 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion: 83 Resp: 206144
Ion Ratio Lower Upper
83 100
85 63.8 50.6 76.0





#31

Cyclohexane

Concen: 42.045 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

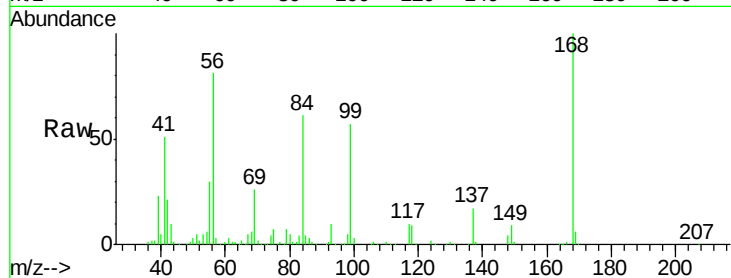
Tot Ion: 56 Resp: 167206

Ion Ratio Lower Upper

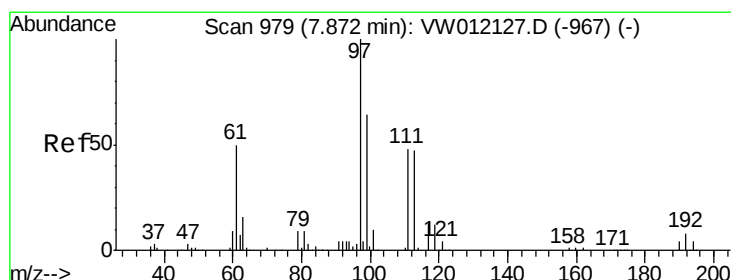
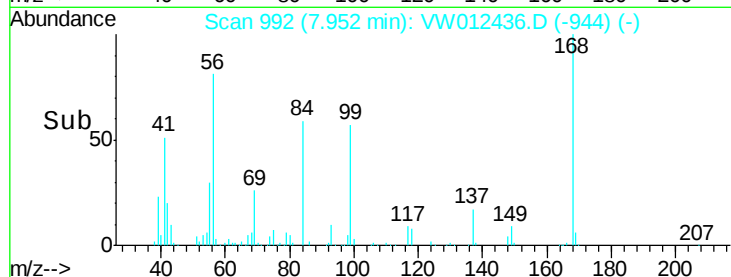
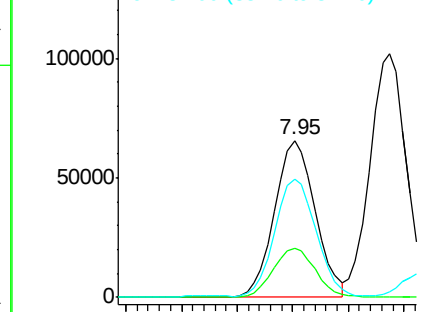
56 100

69 31.6 24.9 37.3

84 74.2 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: 53.564 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

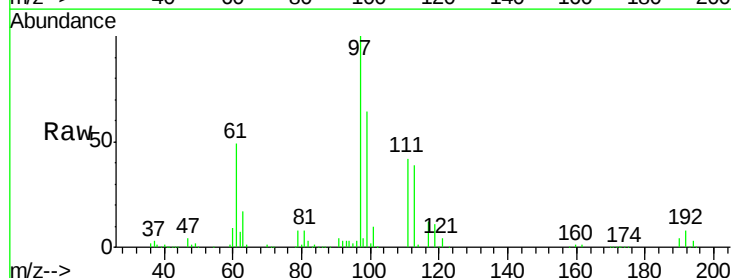
Tgt Ion: 97 Resp: 155826

Ion Ratio Lower Upper

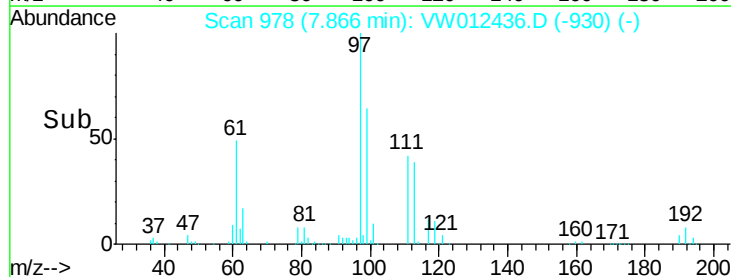
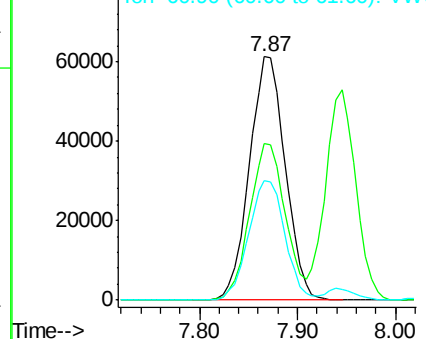
97 100

99 64.4 51.4 77.0

61 49.9 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

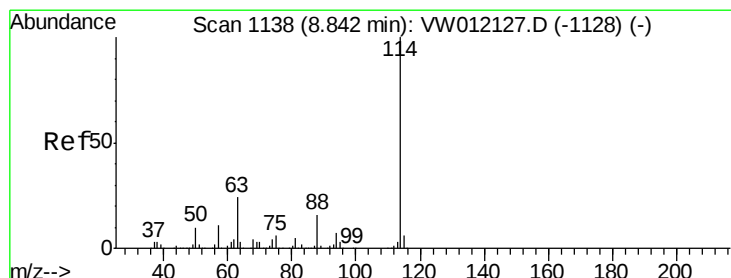
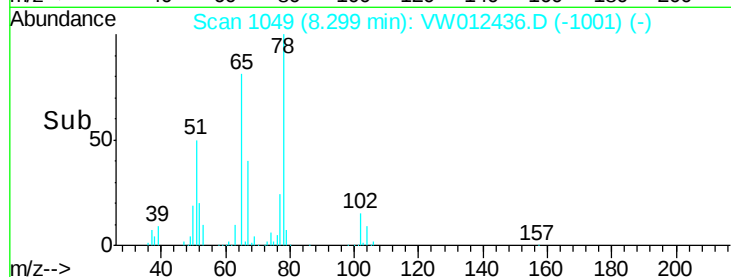
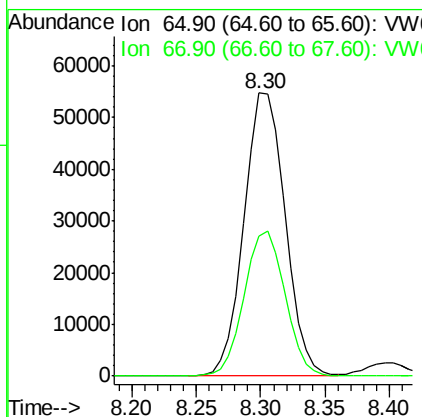
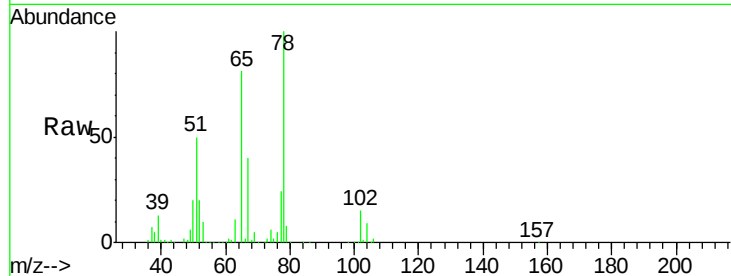




#33
 1,2-Dichloroethane-d4
 Concen: 54.856 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

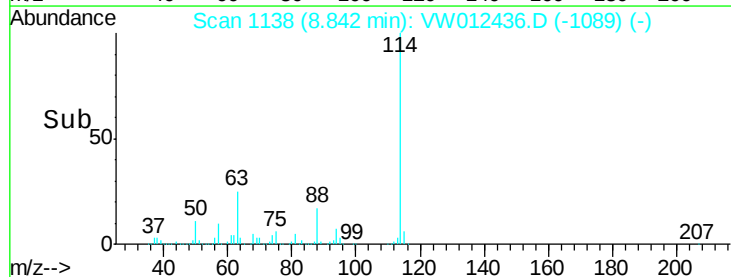
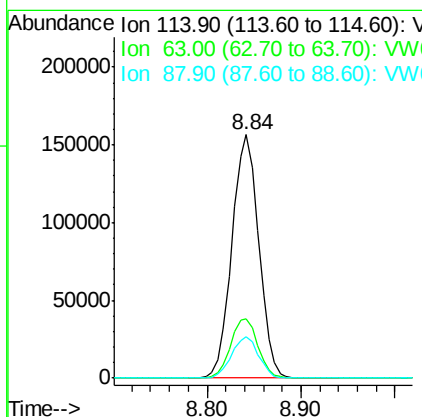
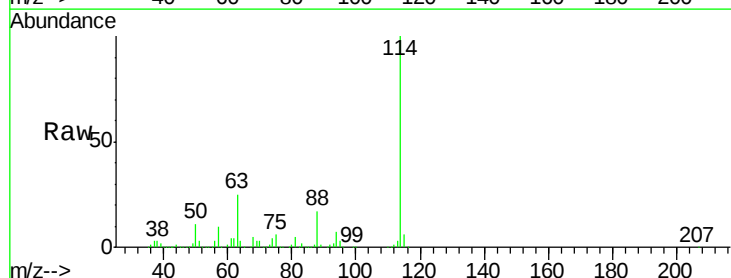
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

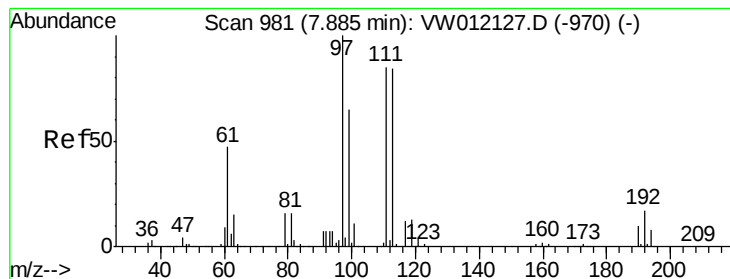
Tot Ion: 65 Resp: 121116
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Tgt Ion: 114 Resp: 309992
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.6
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.545 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

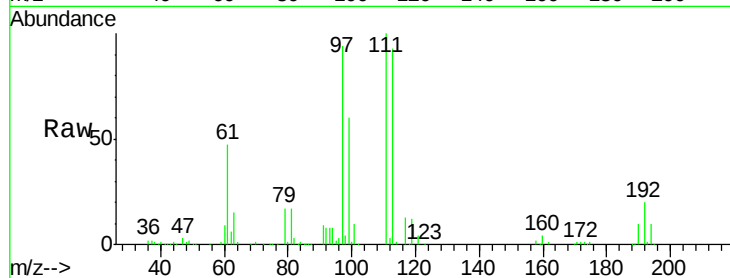
Tot Ion:113 Resp: 93527

Ion Ratio Lower Upper

113 100

111 104.2 82.7 124.1

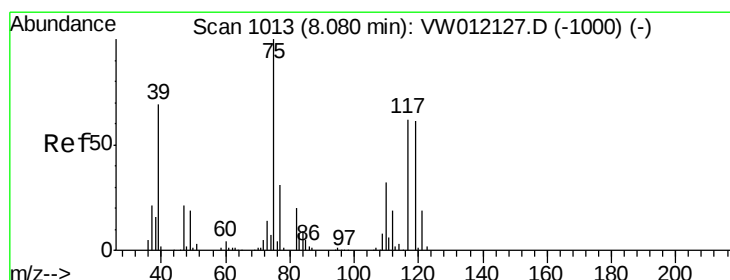
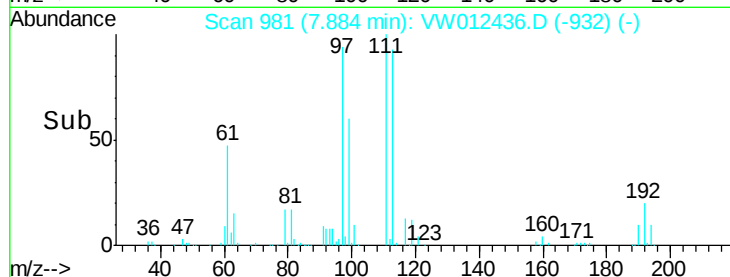
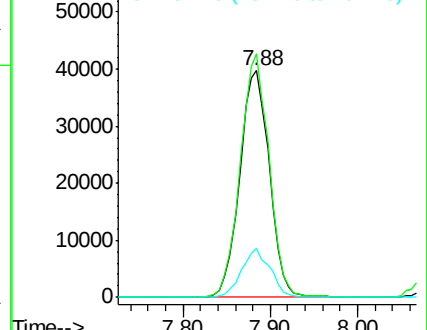
192 20.7 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.384 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

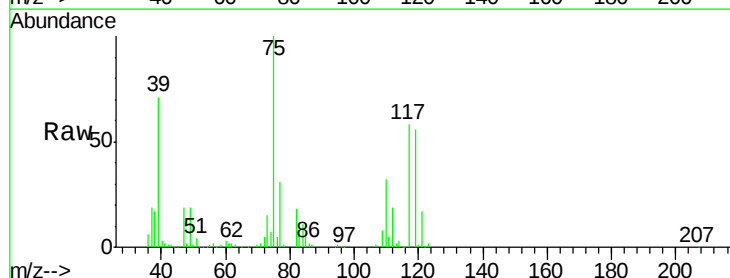
Tgt Ion: 75 Resp: 151791

Ion Ratio Lower Upper

75 100

110 31.6 15.6 46.8

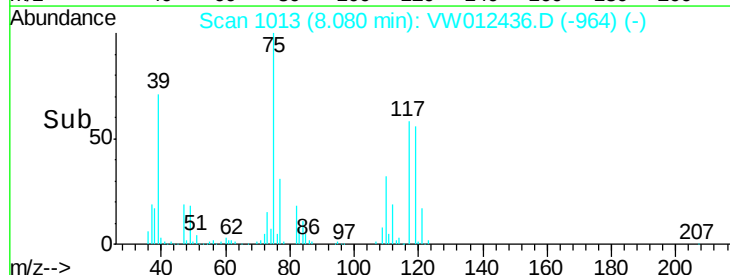
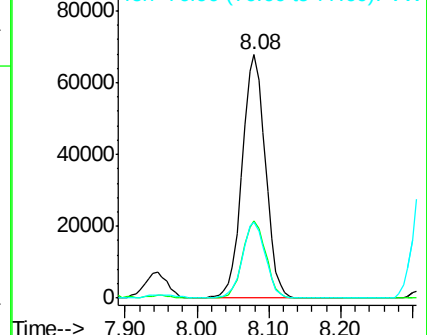
77 31.1 24.6 36.8

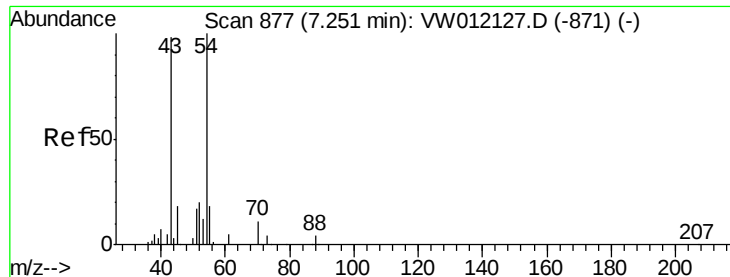


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

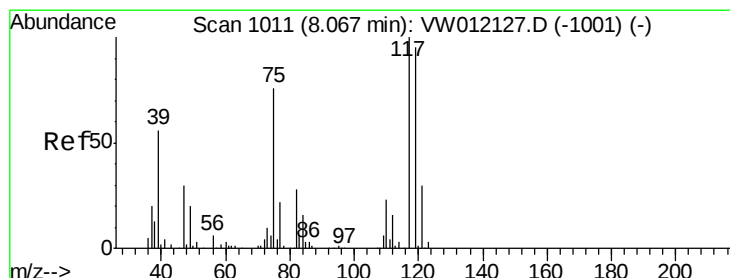
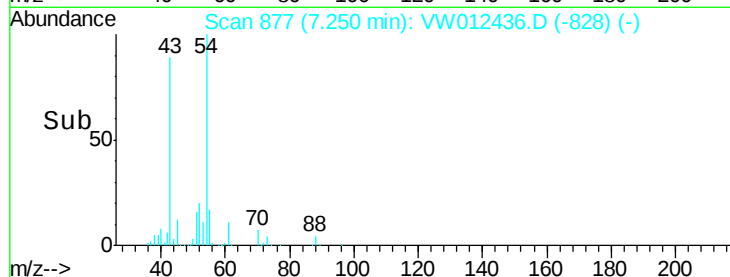
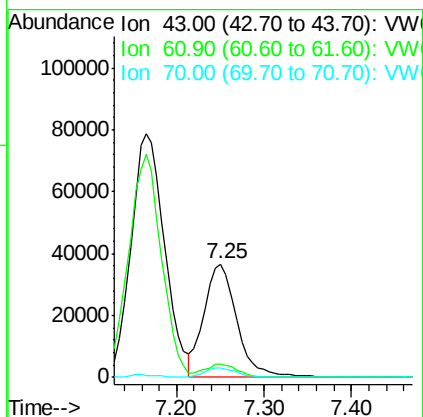
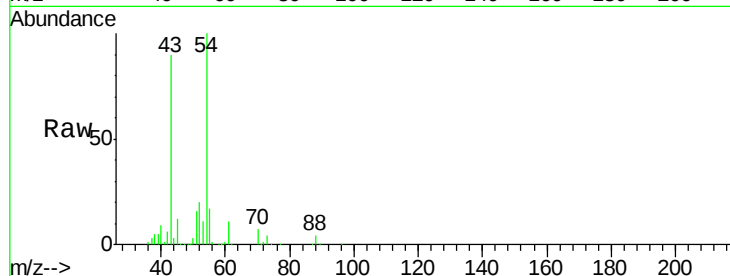




#37
Ethyl Acetate
Concen: 53.894 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

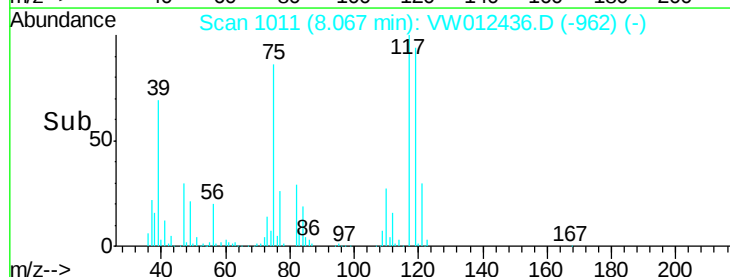
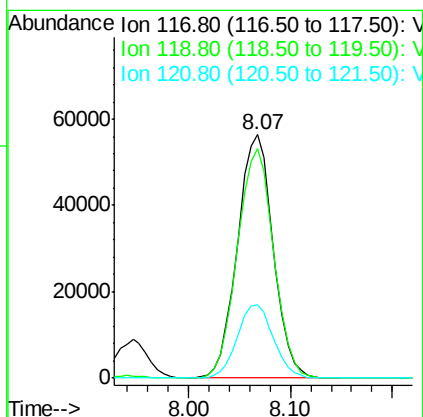
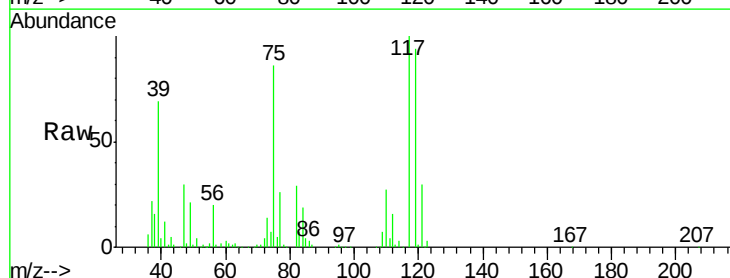
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

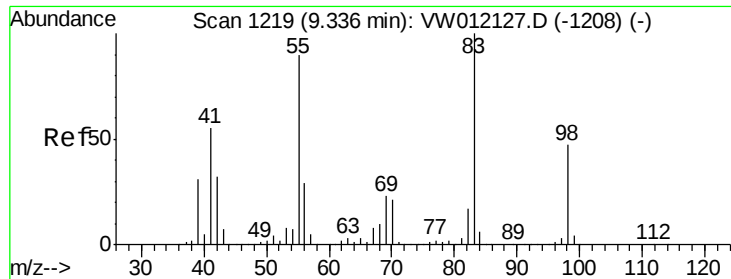
Tot Ion: 43 Resp: 94606
Ion Ratio Lower Upper
43 100
61 11.7 9.2 13.8
70 8.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 49.490 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion: 117 Resp: 137217
Ion Ratio Lower Upper
117 100
119 94.4 76.2 114.2
121 30.1 23.8 35.8

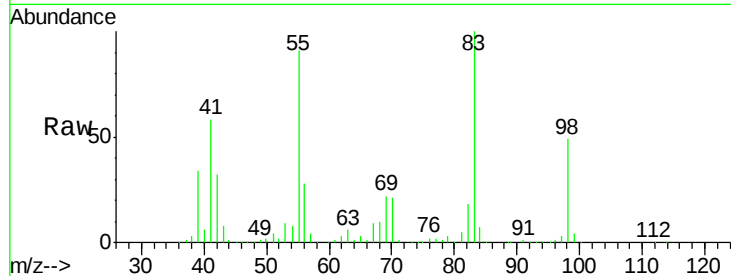




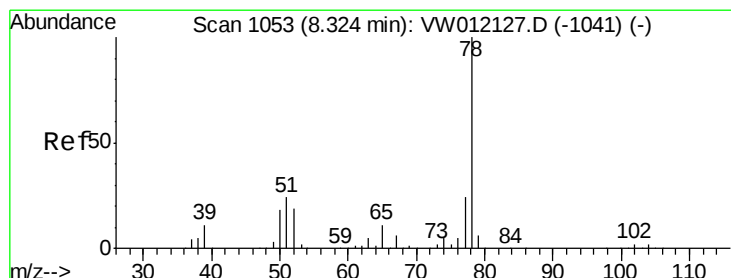
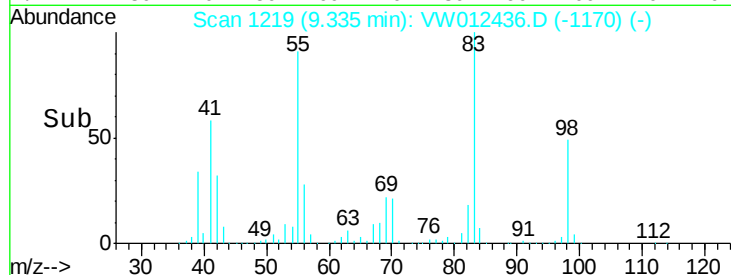
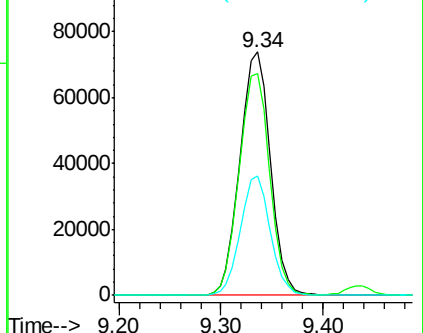
#39
Methvlcvclohexane
Concen: 42.906 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 154408
Ion Ratio Lower Upper
83 100
55 90.9 71.8 107.8
98 48.9 37.8 56.8

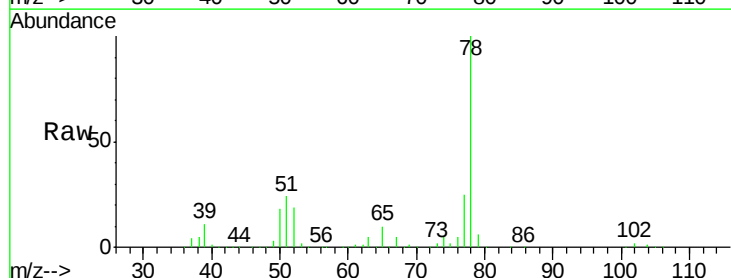


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

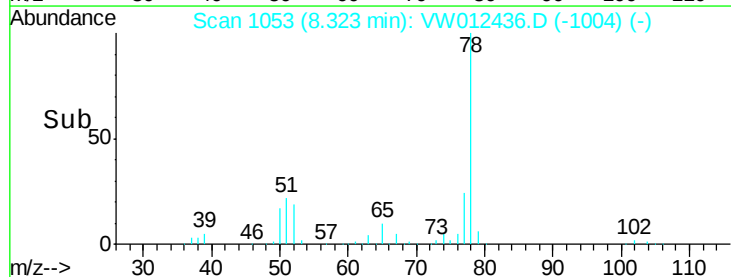
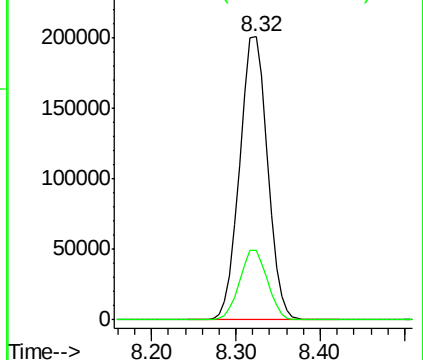


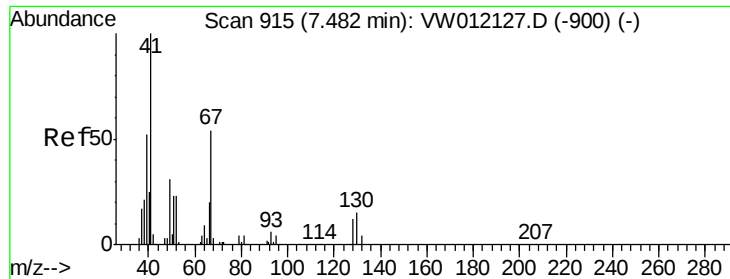
#40
Benzene
Concen: 51.330 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion: 78 Resp: 448993
Ion Ratio Lower Upper
78 100
77 24.5 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

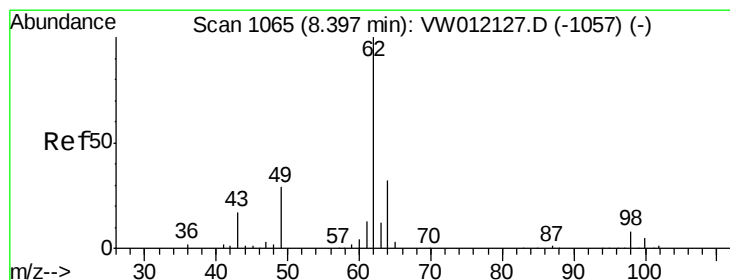
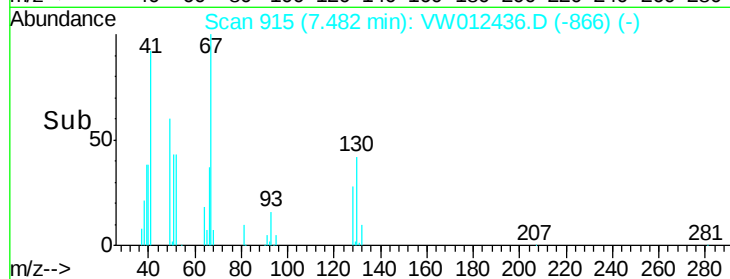
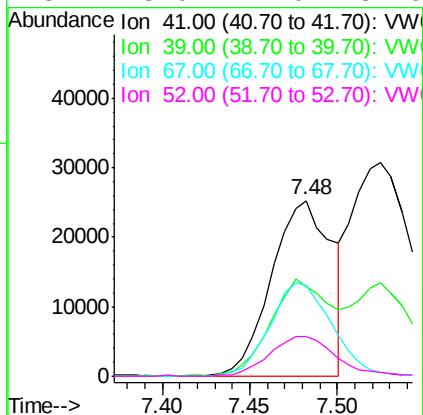
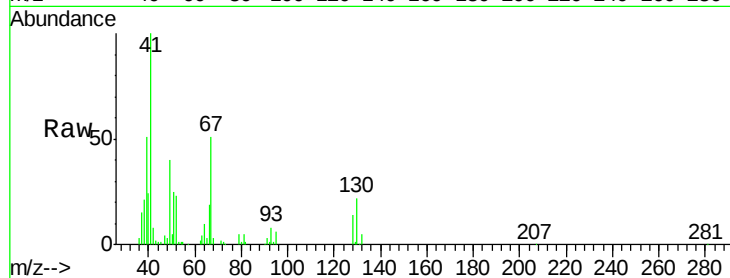




#41
Methacrylonitrile
Concen: 59.037 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

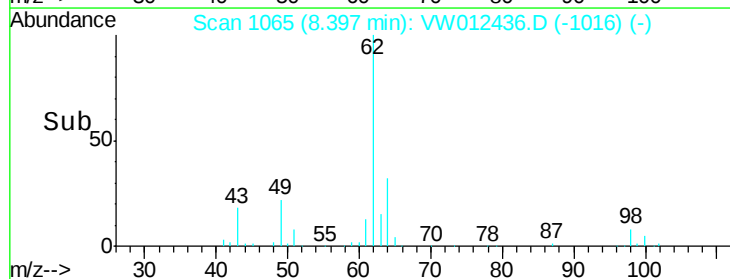
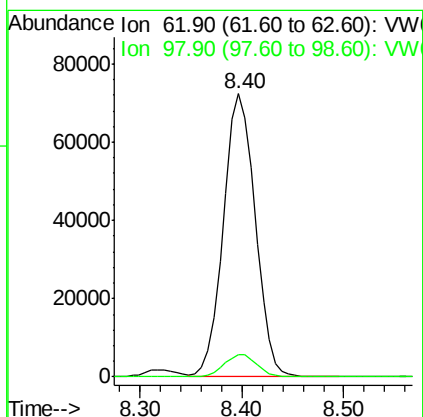
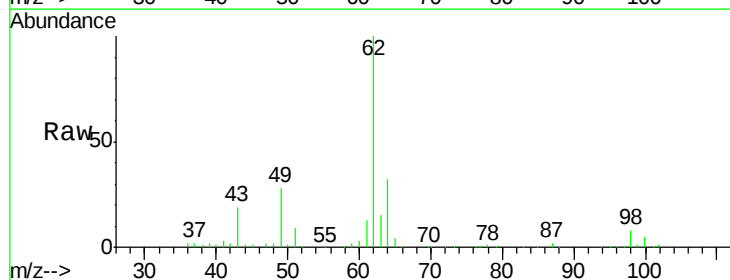
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

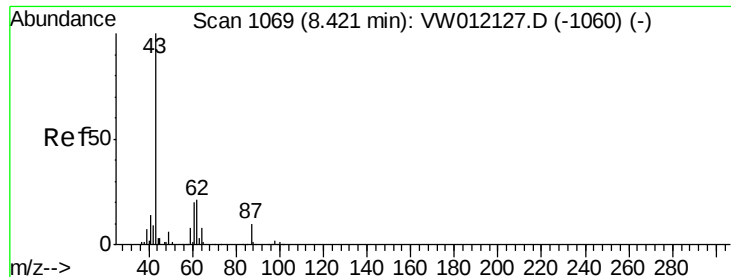
Tot Ion:	41	Resp:	60910
Ion	Ratio	Lower	Upper
41	100		
39	54.7	45.8	68.8
67	55.1	46.2	69.4
52	25.0	21.0	31.6



#42
1,2-Dichloroethane
Concen: 57.156 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion:	62	Resp:	156690
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 54.407 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

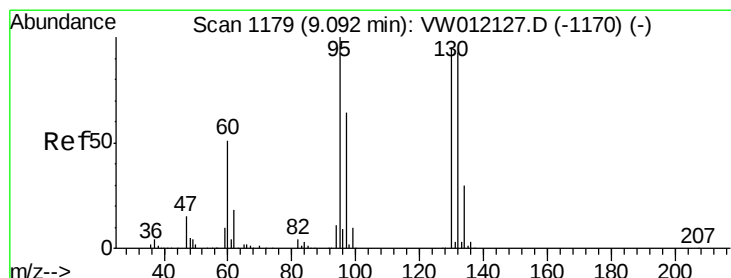
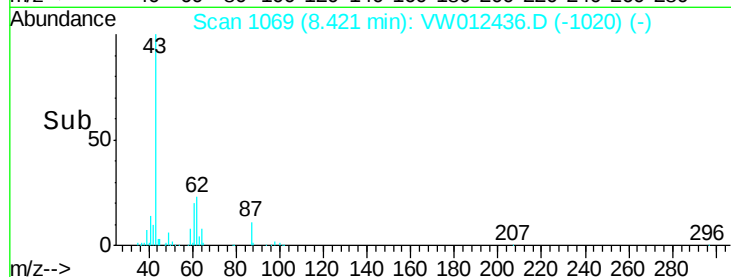
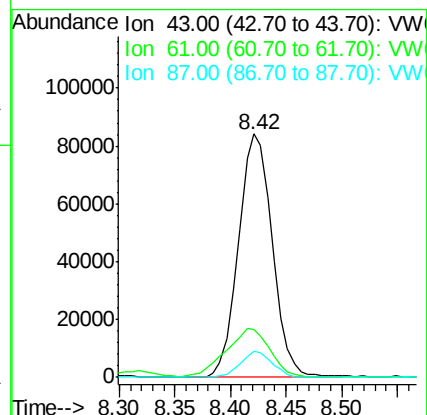
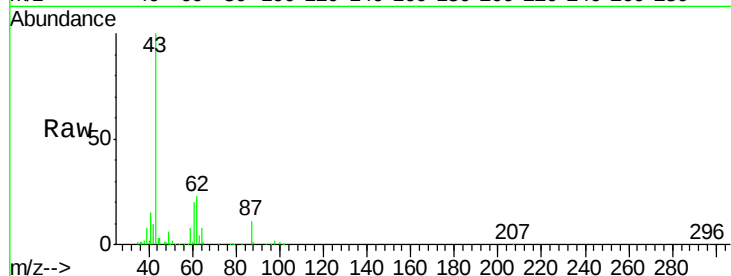
Tot Ion: 43 Resp: 176908

Ion Ratio Lower Upper

43 100

61 26.3 21.1 31.7

87 10.1 8.2 12.2



#44

Trichloroethene

Concen: 50.263 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012436.D

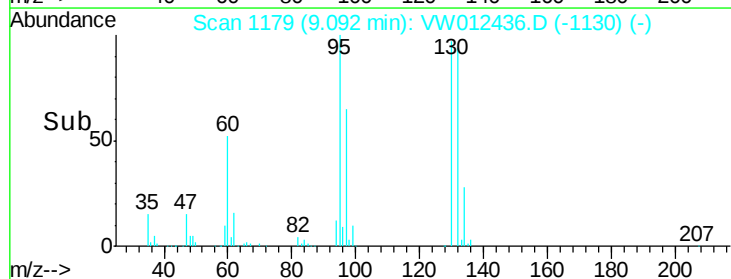
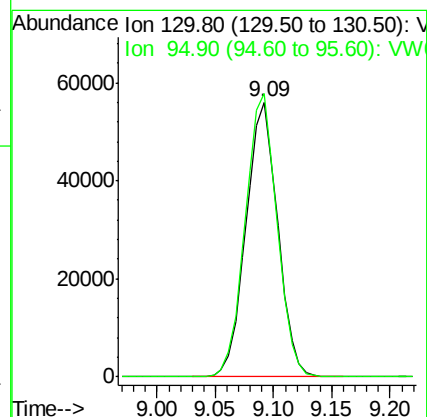
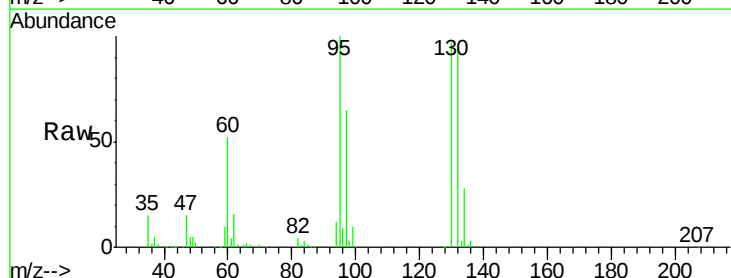
Acq: 01 Sep 2019 08:22

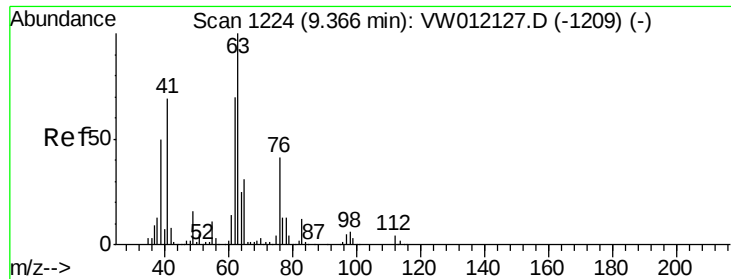
Tgt Ion:130 Resp: 106879

Ion Ratio Lower Upper

130 100

95 103.0 0.0 210.6

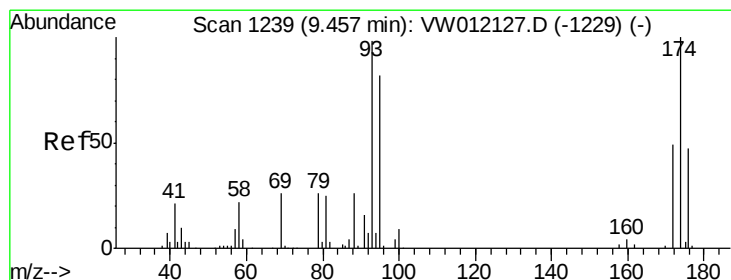
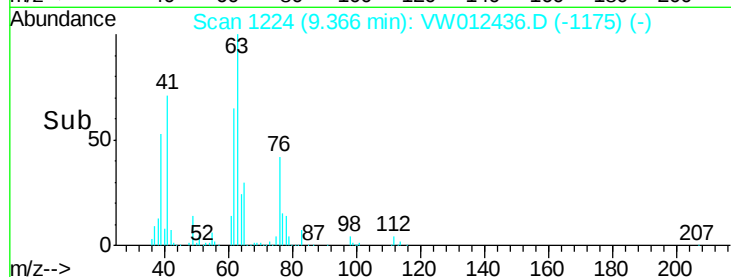
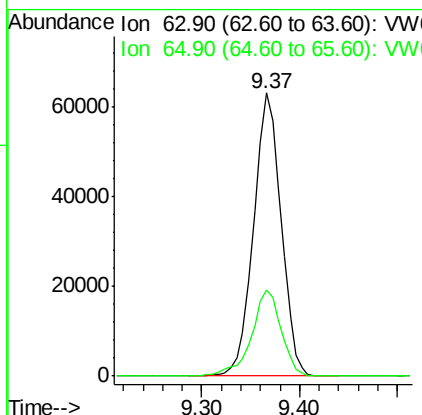
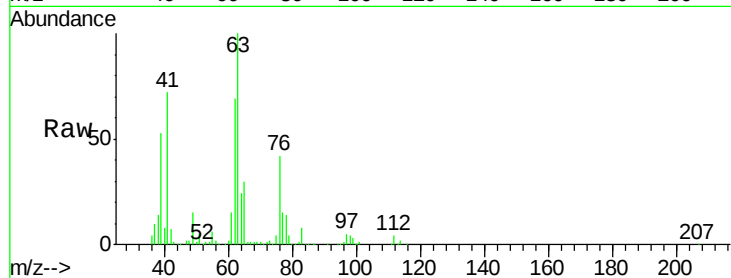




#45
 1,2-Dichloropropane
 Concen: 52.286 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

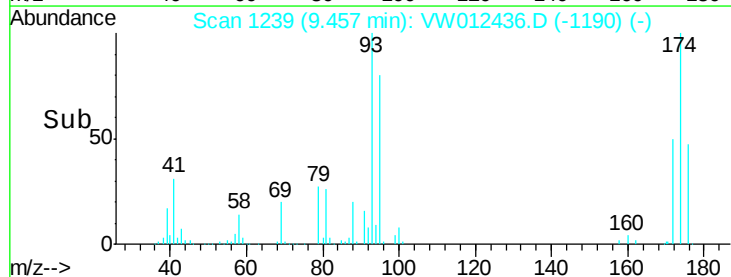
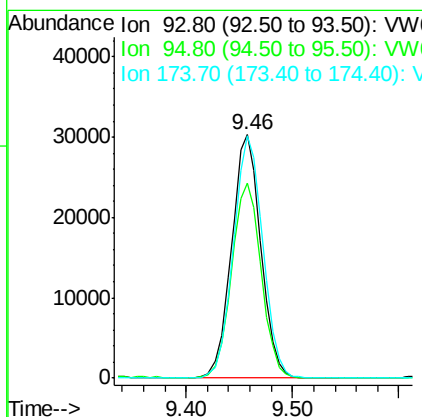
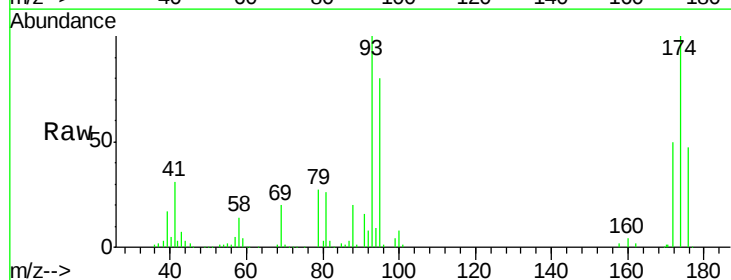
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 123088
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4



#46
 Dibromomethane
 Concen: 55.611 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Tgt Ion: 93 Resp: 58248
 Ion Ratio Lower Upper
 93 100
 95 81.1 67.2 100.8
 174 100.1 79.0 118.6





#47

Bromodichloromethane

Concen: 54.773 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

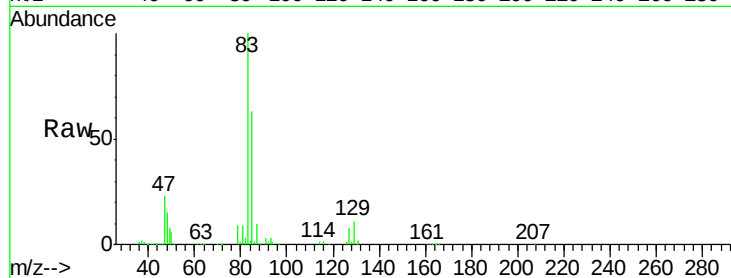
Tot Ion: 83 Resp: 152686

Ion Ratio Lower Upper

83 100

85 63.5 49.4 74.2

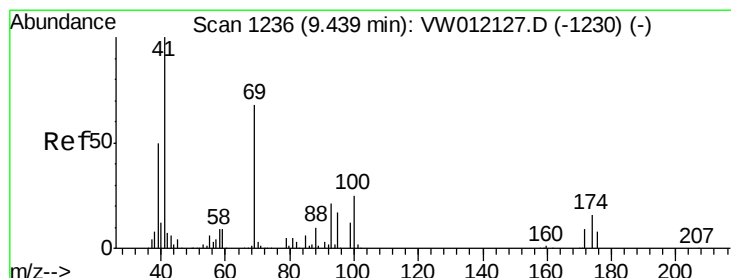
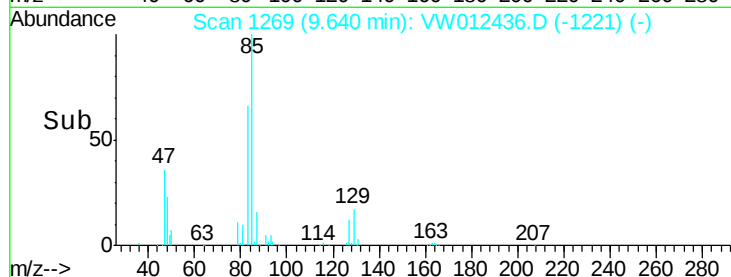
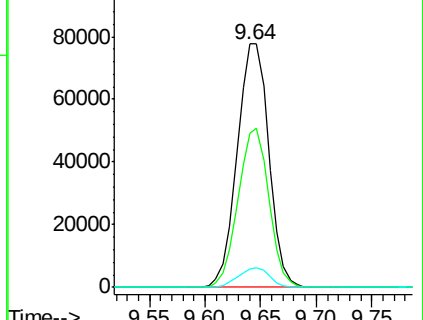
127 7.7 6.1 9.1



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): V



#48

Methyl methacrylate

Concen: 56.842 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

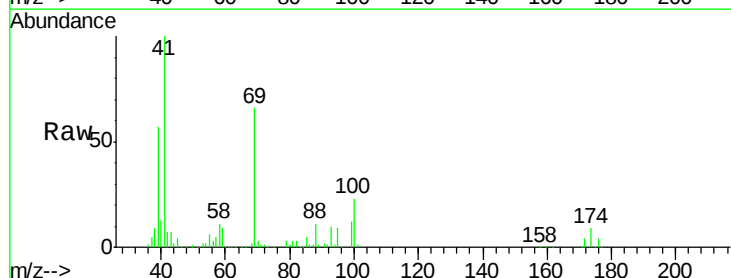
Tgt Ion: 41 Resp: 87968

Ion Ratio Lower Upper

41 100

69 70.2 56.7 85.1

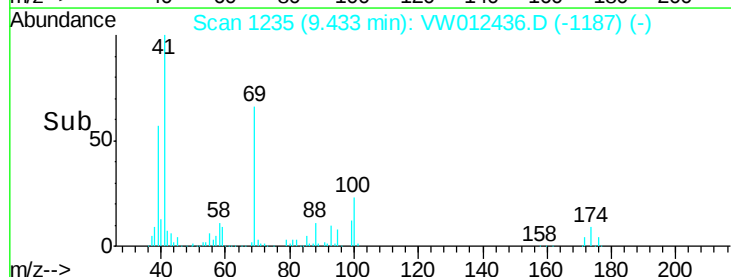
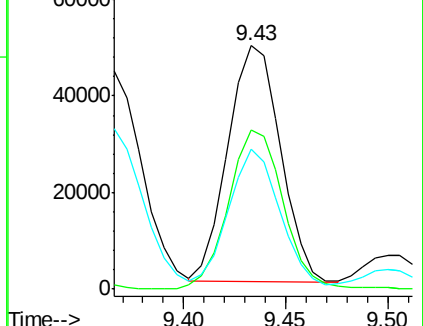
39 58.2 42.0 63.0

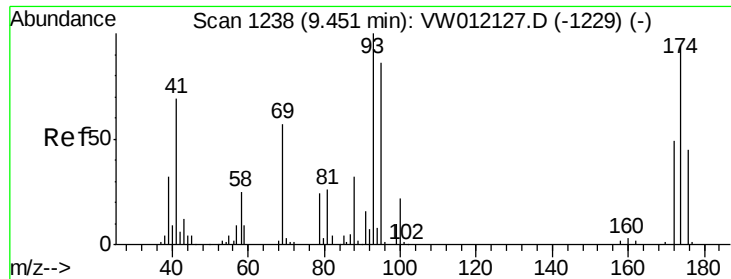


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

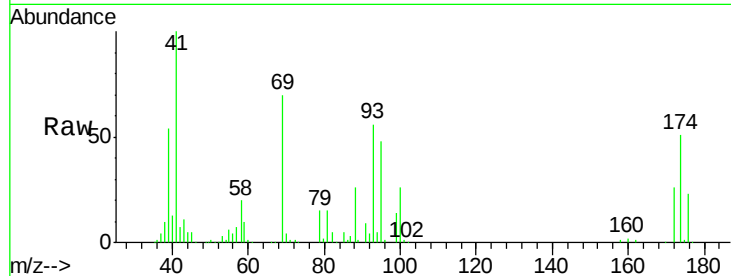




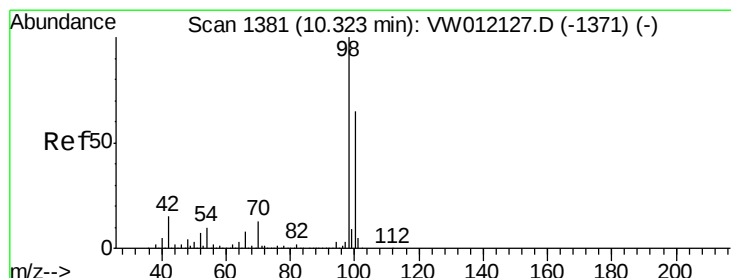
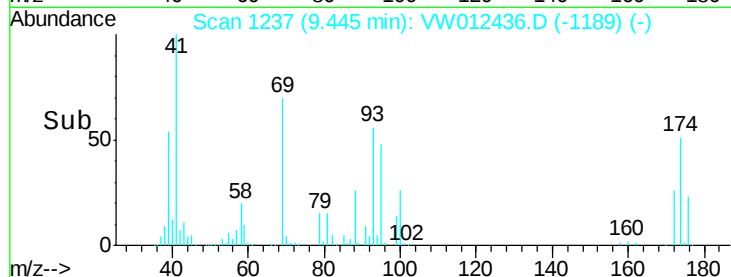
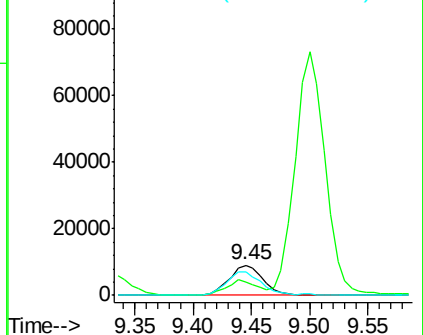
#49
1,4-Dioxane
Concen: 1153.183 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 18491
Ion Ratio Lower Upper
88 100
43 44.4 32.9 49.3
58 80.3 71.0 106.4

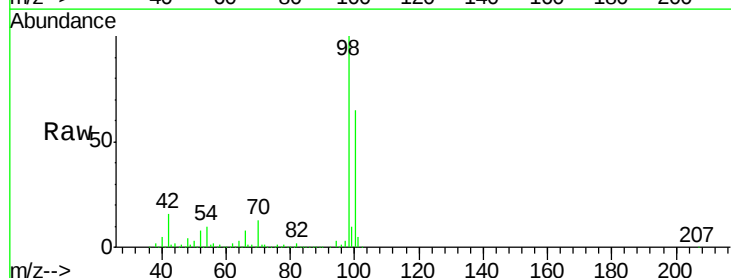


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

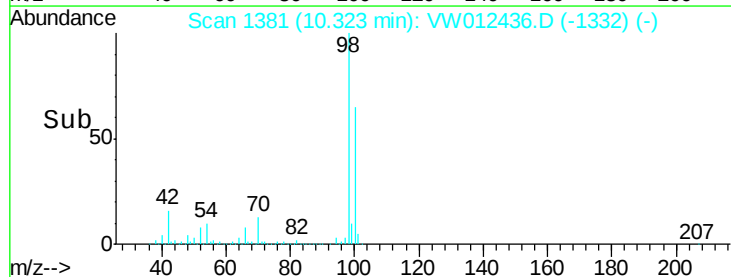
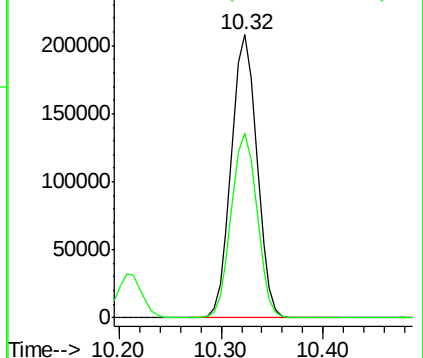


#50
Toluene-d8
Concen: 48.260 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion: 98 Resp: 362080
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



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





#51

4-Methyl-2-Pentanone

Concen: 283.869 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

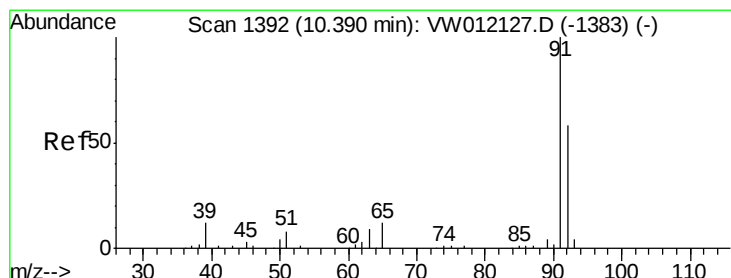
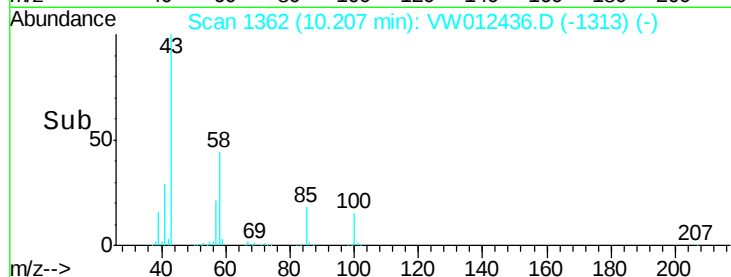
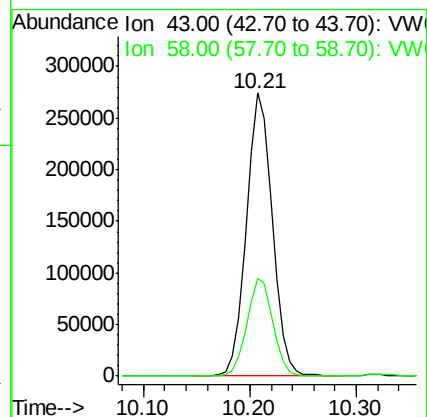
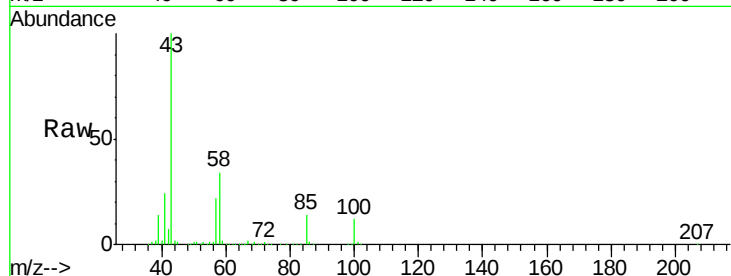
VSTDCCC050EC

Tot Ion: 43 Resp: 469479

Ion Ratio Lower Upper

43 100

58 34.6 28.2 42.2



#52

Toluene

Concen: 51.816 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012436.D

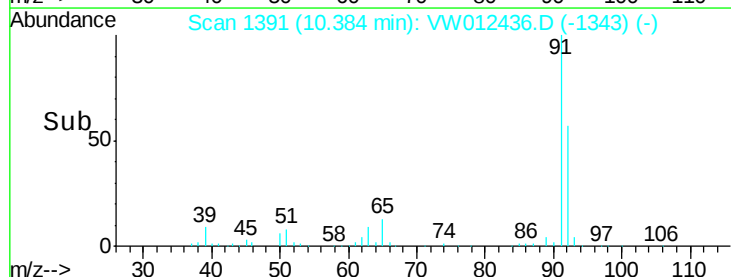
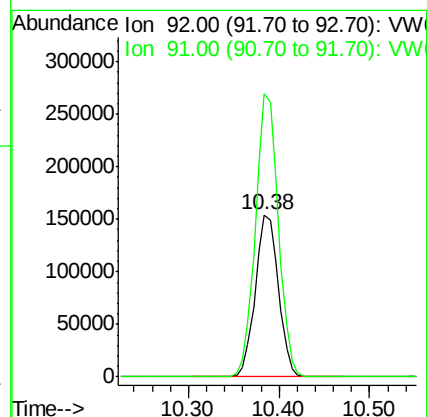
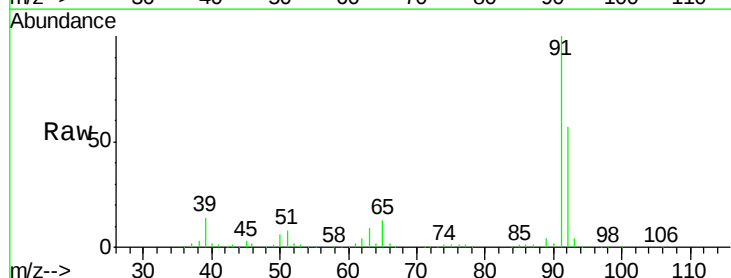
Acq: 01 Sep 2019 08:22

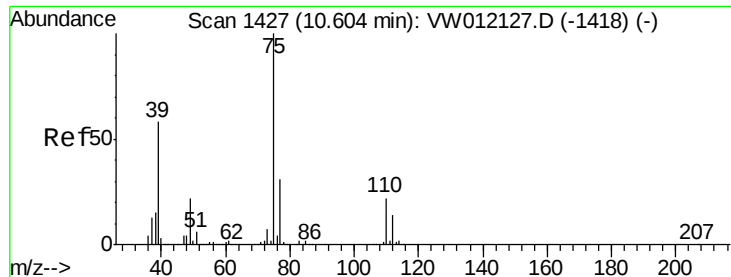
Tgt Ion: 92 Resp: 272284

Ion Ratio Lower Upper

92 100

91 173.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 52.449 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

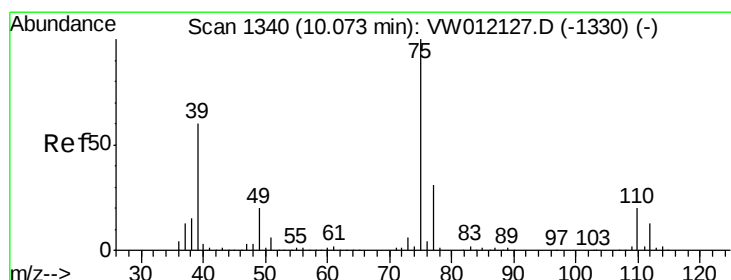
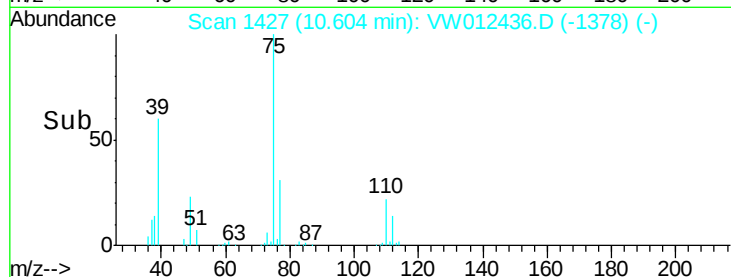
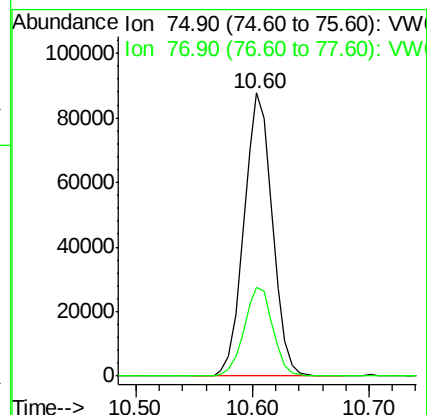
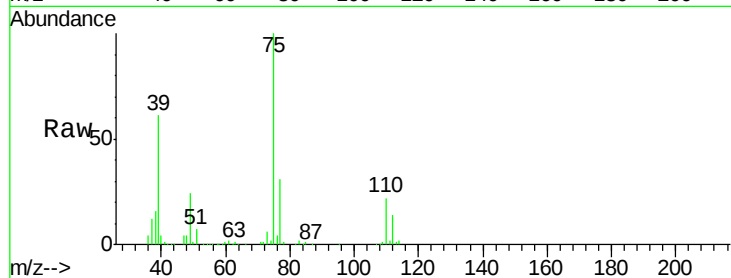
VSTDCCC050EC

Tot Ion: 75 Resp: 148931

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 51.076 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

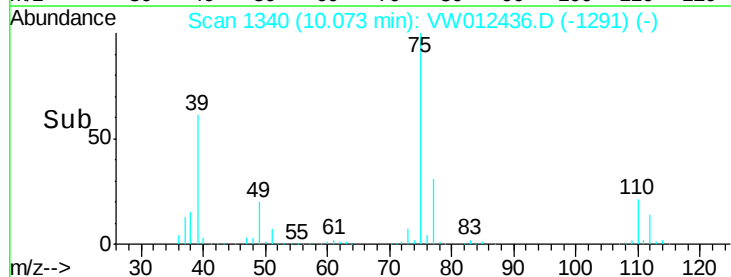
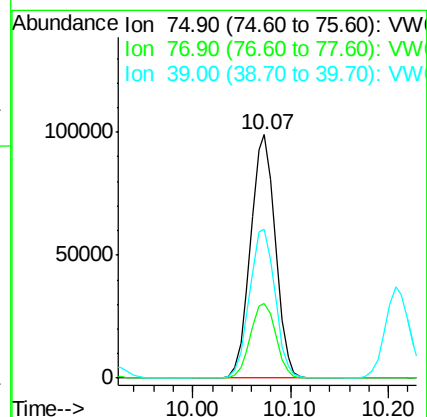
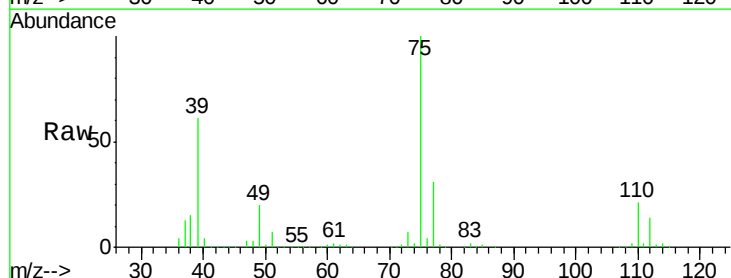
Tgt Ion: 75 Resp: 175119

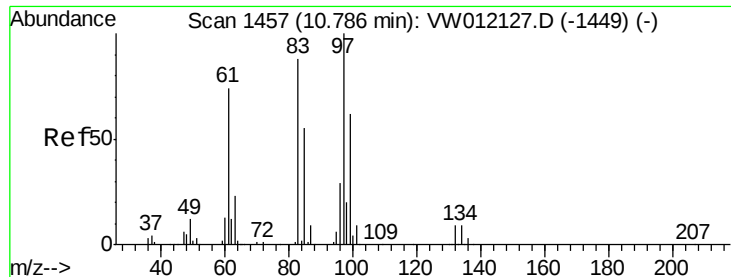
Ion Ratio Lower Upper

75 100

77 30.5 25.1 37.7

39 61.3 48.3 72.5

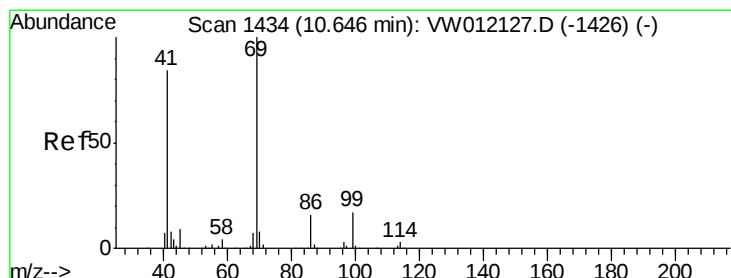
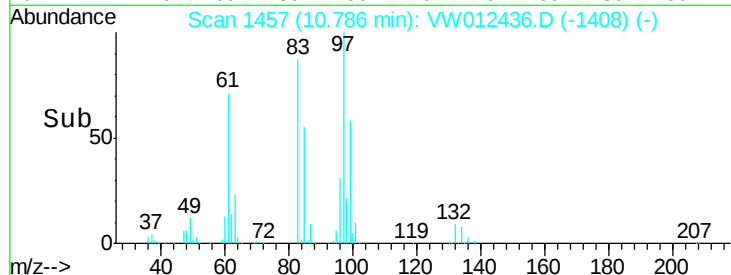
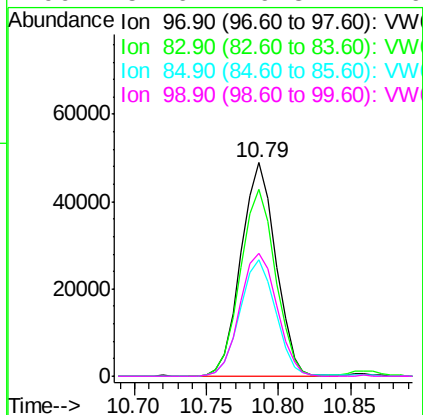
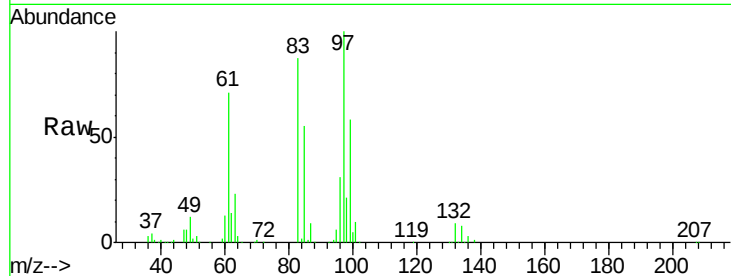




#55
 1,1,2-Trichloroethane
 Concen: 55.542 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

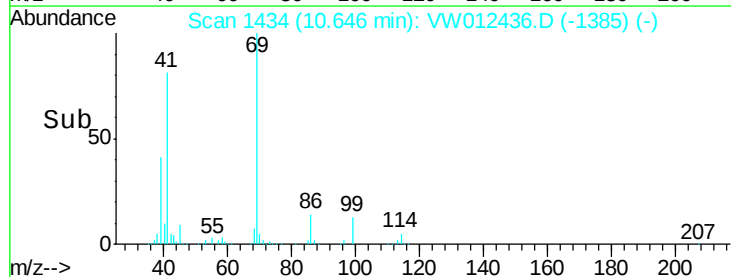
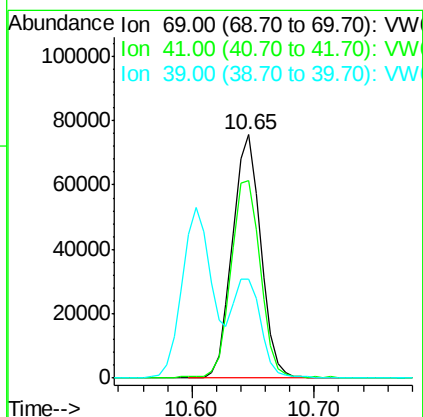
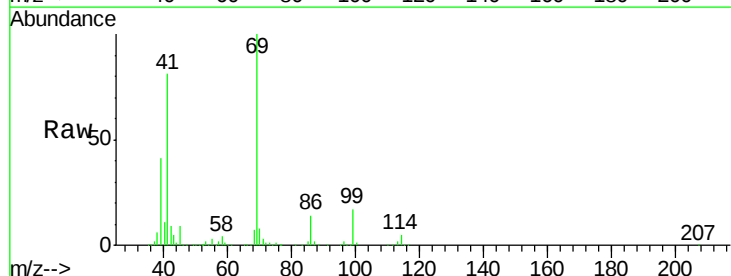
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

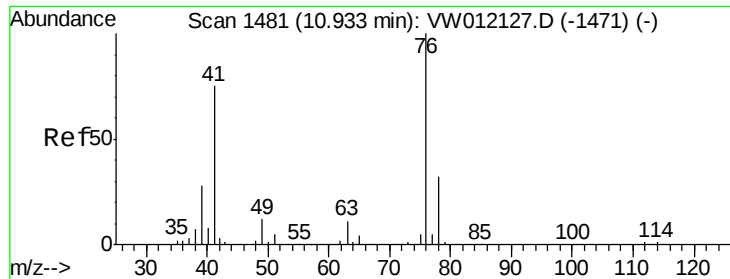
Tot Ion:	97	Resp:	82310
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.8	106.2
85	54.7	43.8	65.8
99	57.6	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 56.229 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Tgt Ion:	69	Resp:	121277
Ion	Ratio	Lower	Upper
69	100		
41	84.7	66.5	99.7
39	39.0	31.0	46.4

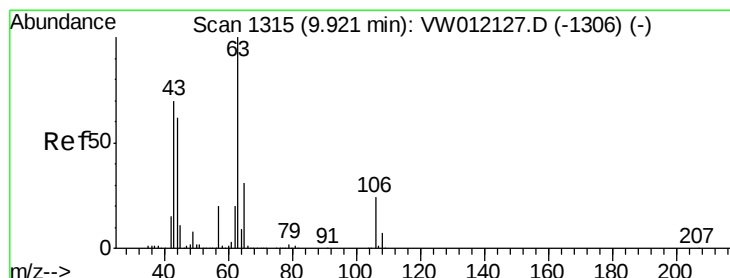
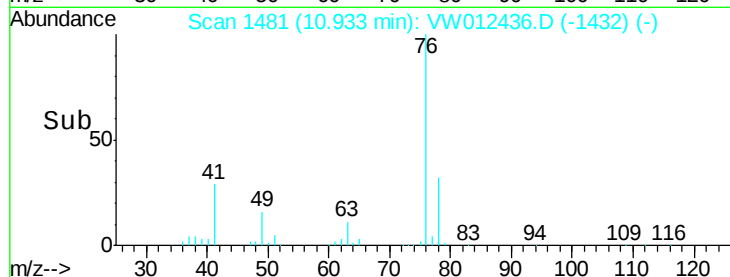
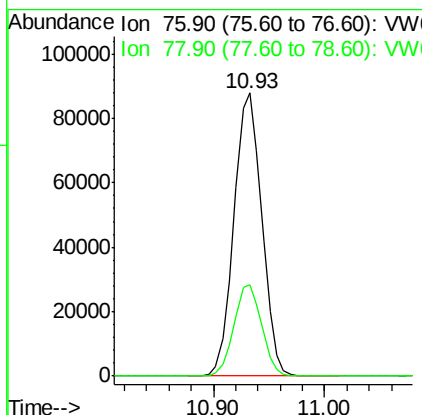
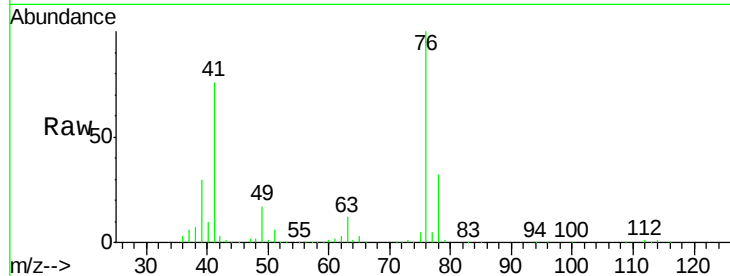




#57
 1,3-Dichloropropane
 Concen: 54.428 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

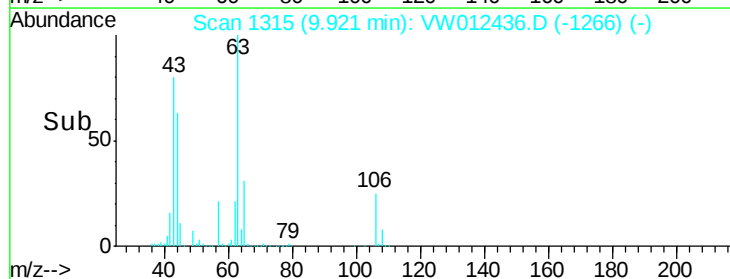
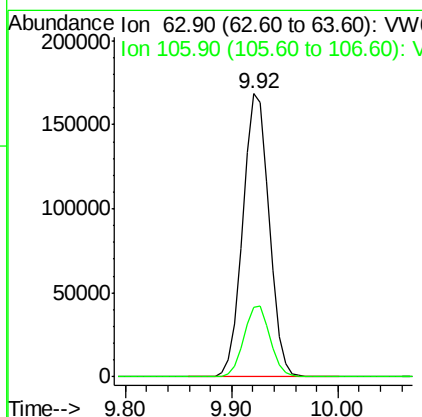
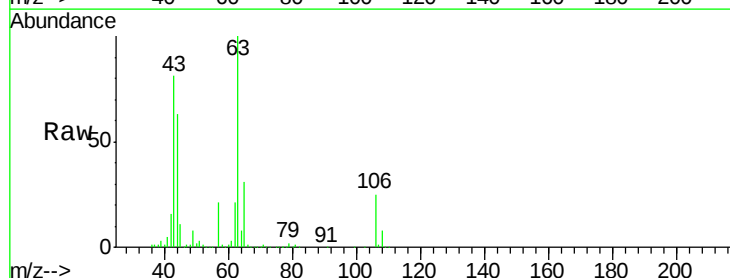
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

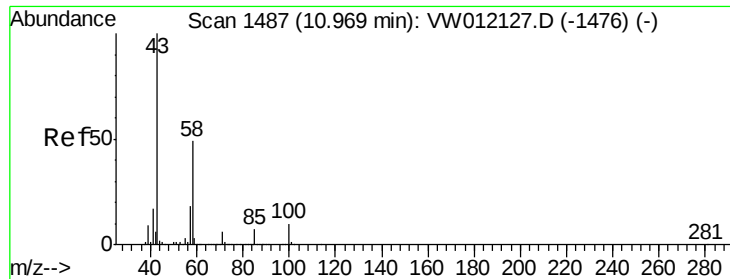
Tot Ion: 76 Resp: 152426
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.963 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Tgt Ion: 63 Resp: 293300
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.8 29.8

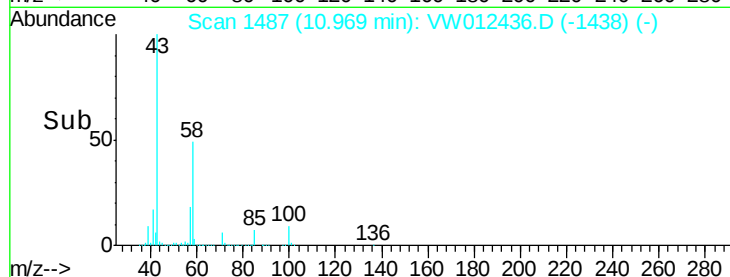
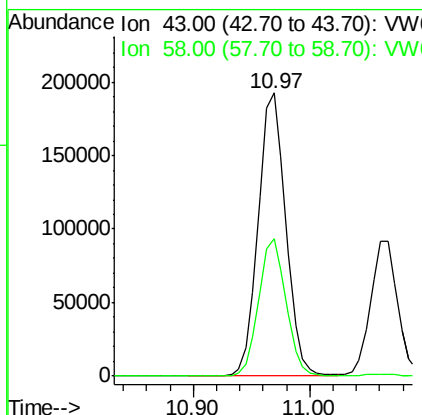
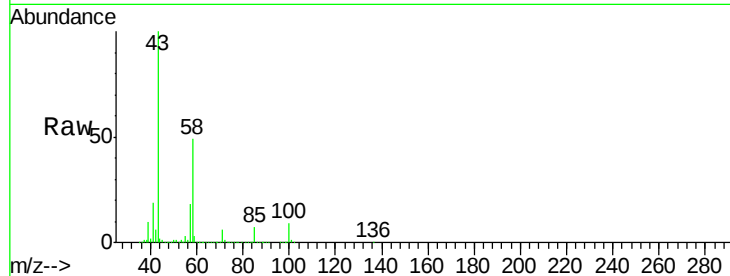




#59
2-Hexanone
Concen: 270.697 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

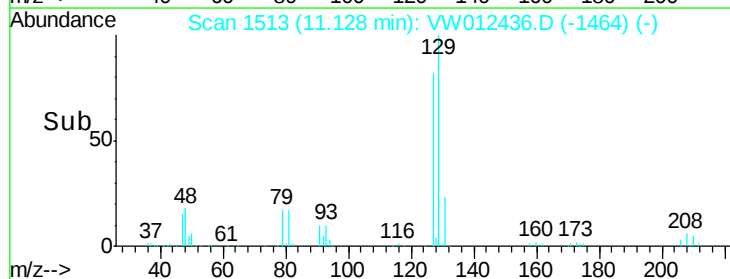
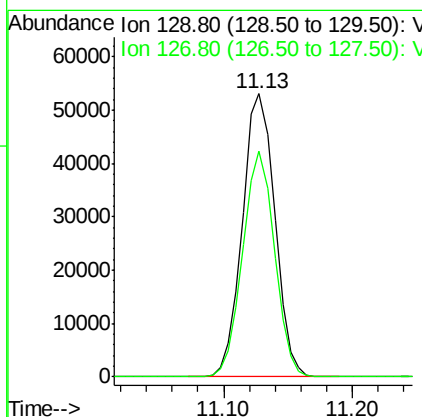
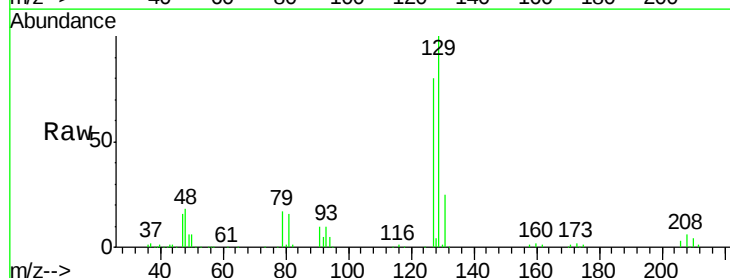
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

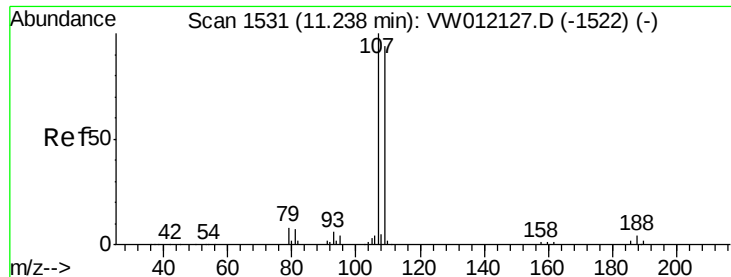
Tot Ion: 43 Resp: 316773
Ion Ratio Lower Upper
43 100
58 48.4 24.3 72.9



#60
Dibromochloromethane
Concen: 56.031 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion: 129 Resp: 92487
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8

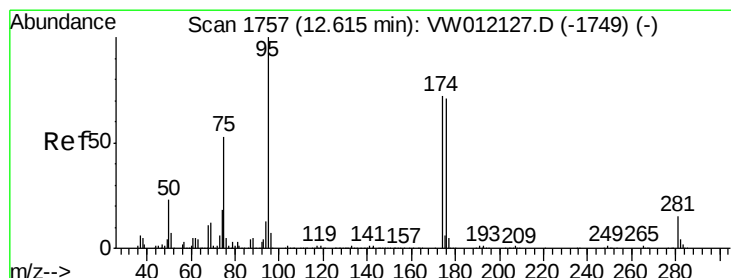
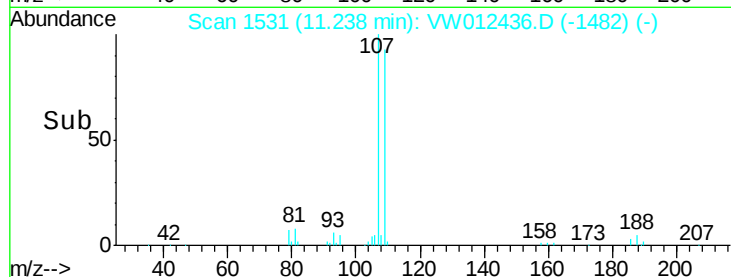
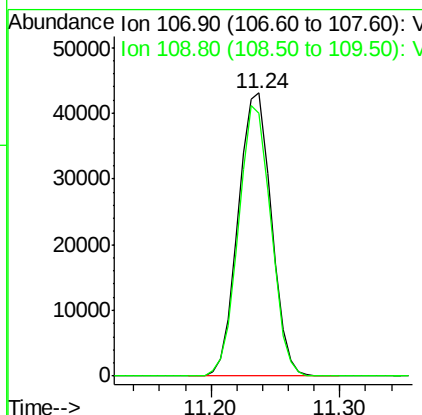
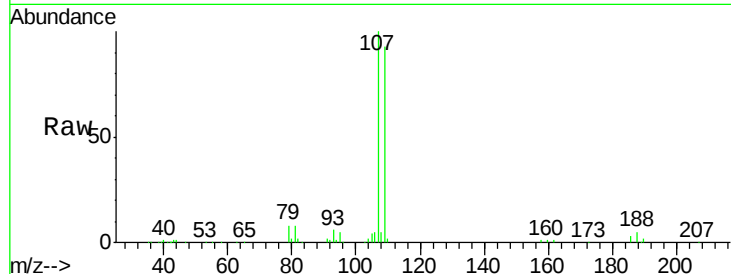




#61
 1,2-Dibromoethane
 Concen: 55.743 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

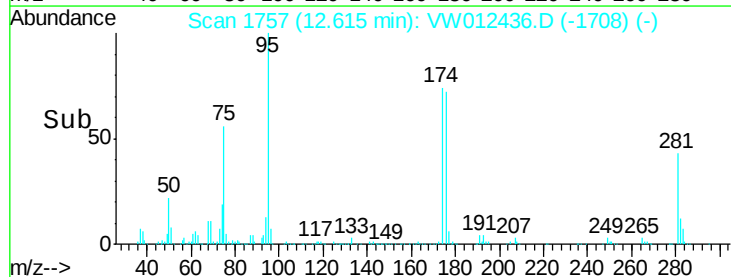
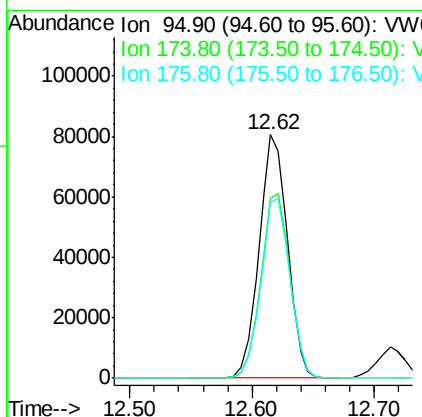
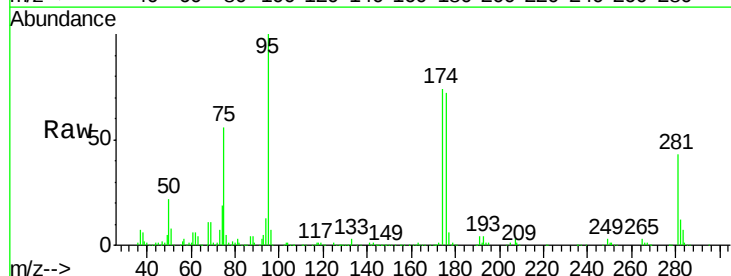
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

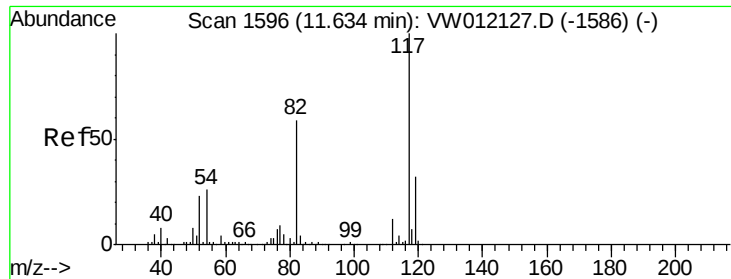
Tot Ion: 107 Resp: 76960
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.314 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Tgt Ion: 95 Resp: 130419
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 150.8
 176 75.5 0.0 148.6

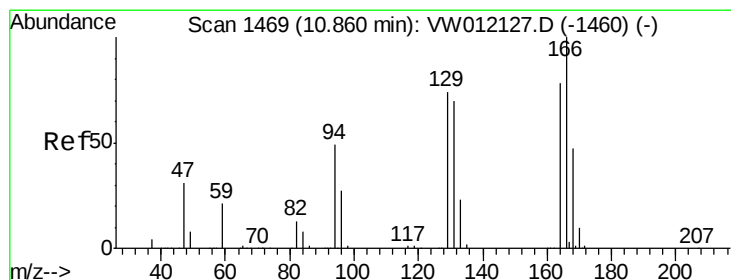
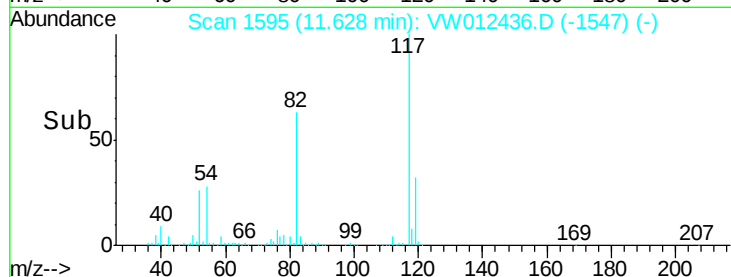
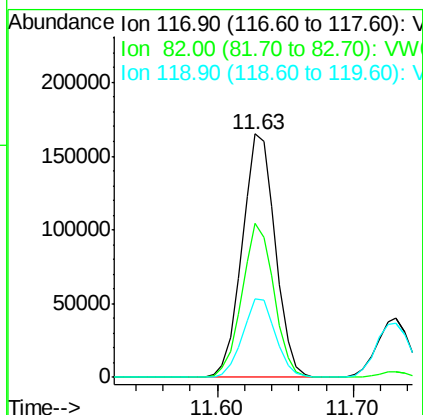
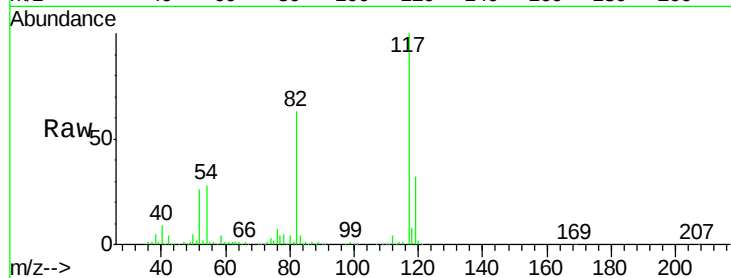




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

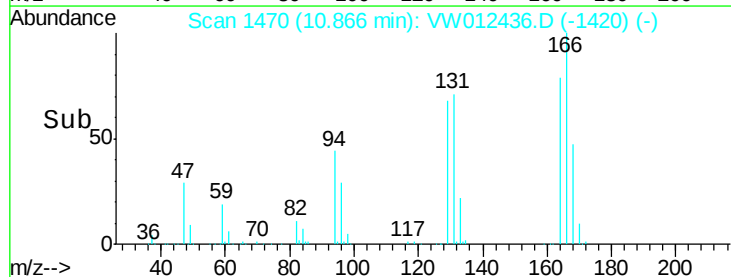
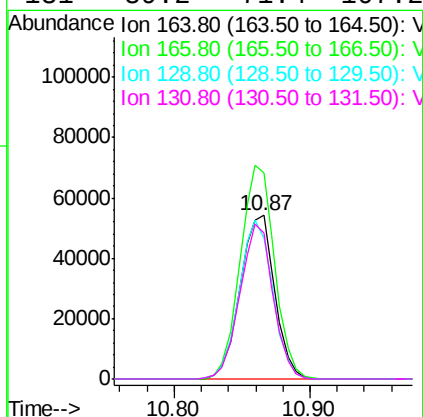
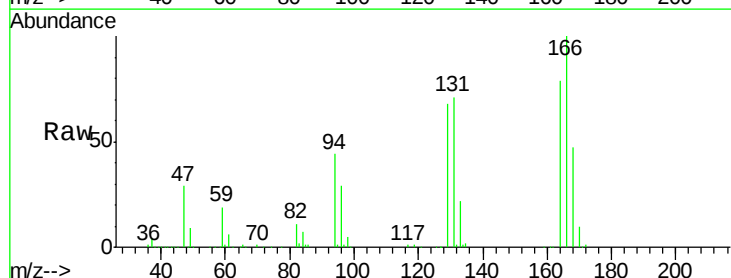
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

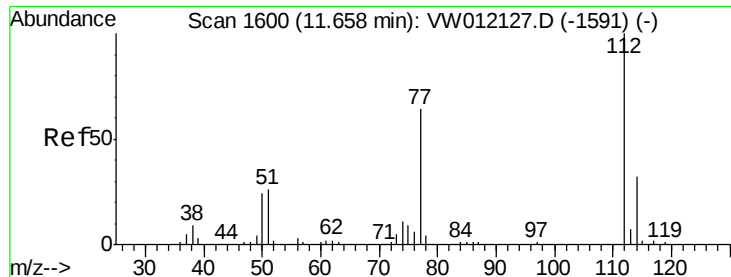
Tot Ion:117 Resp: 280236
Ion Ratio Lower Upper
117 100
82 63.3 47.4 71.2
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 52.819 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion:164 Resp: 95965
Ion Ratio Lower Upper
164 100
166 125.9 102.4 153.6
129 85.8 75.8 113.6
131 89.2 71.4 107.2

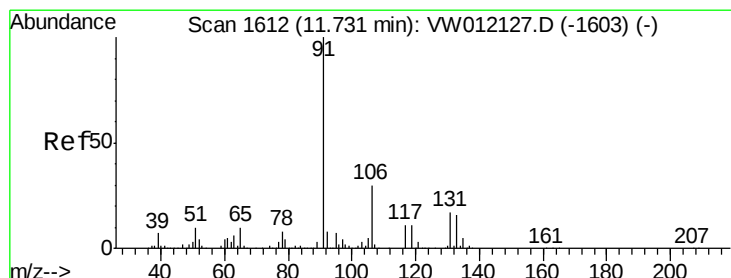
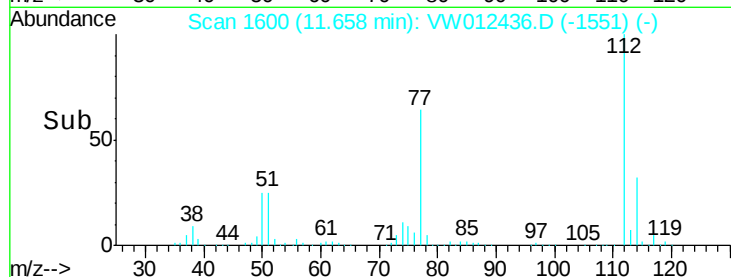
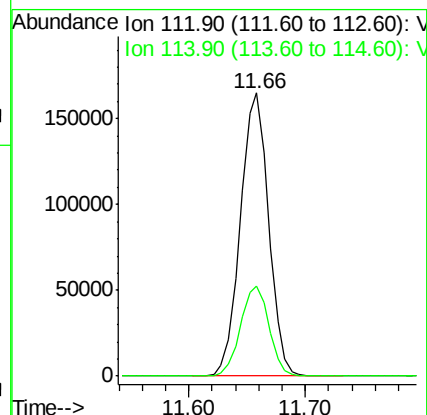
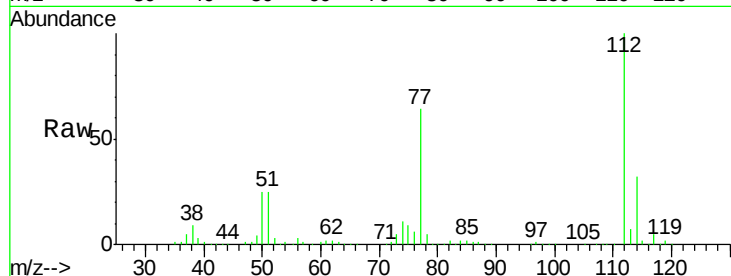




#65
Chlorobenzene
Concen: 50.515 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

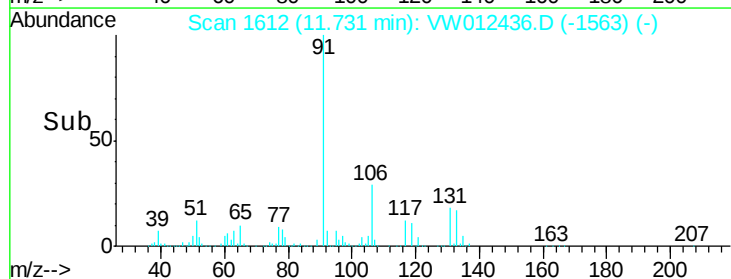
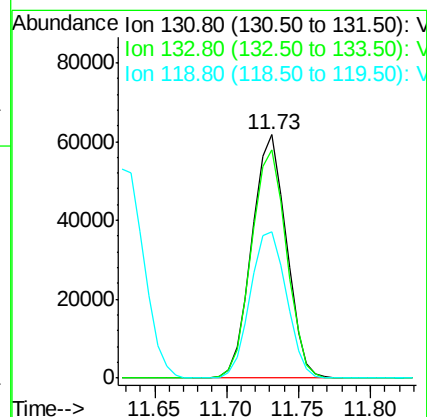
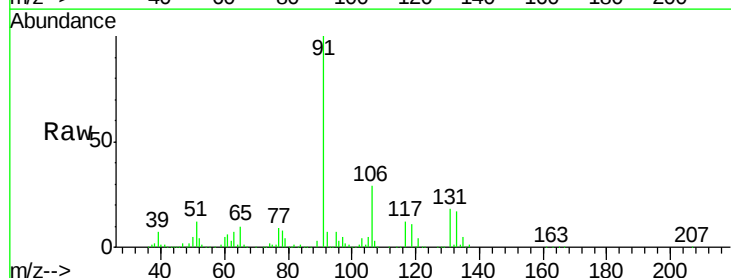
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 278747
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.170 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion:131 Resp: 102355
Ion Ratio Lower Upper
131 100
133 95.1 47.1 141.3
119 63.1 31.8 95.3

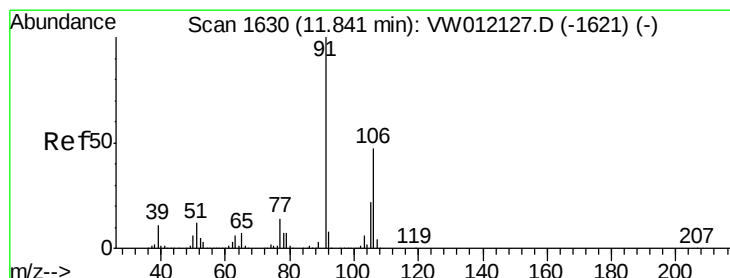
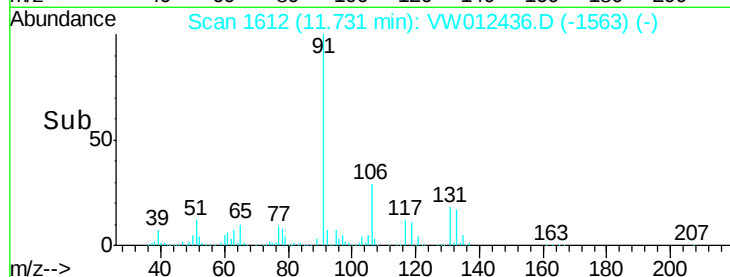
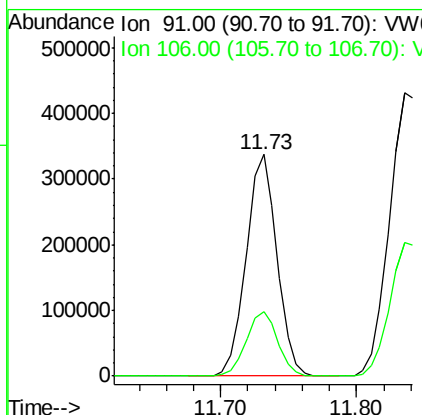
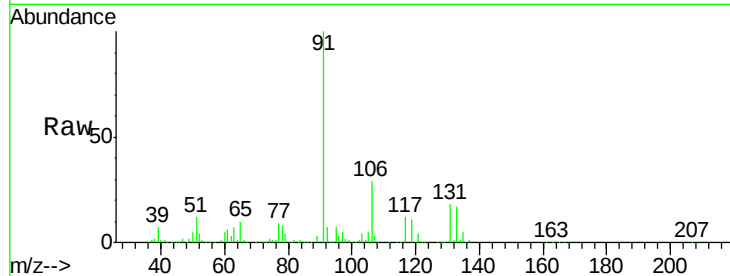




#67
Ethyl Benzene
Concen: 50.232 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

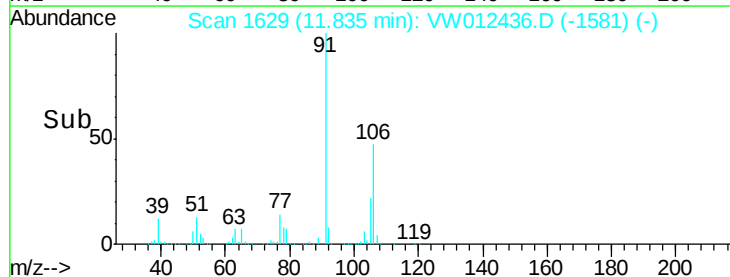
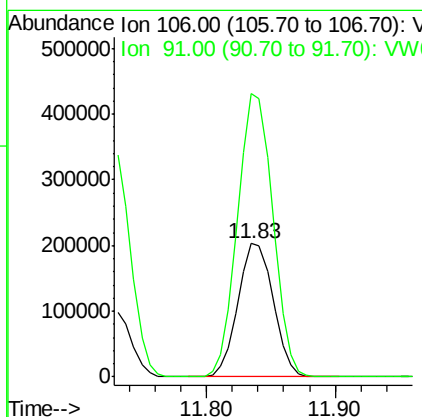
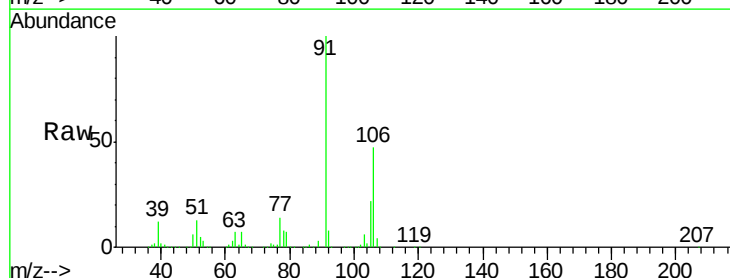
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

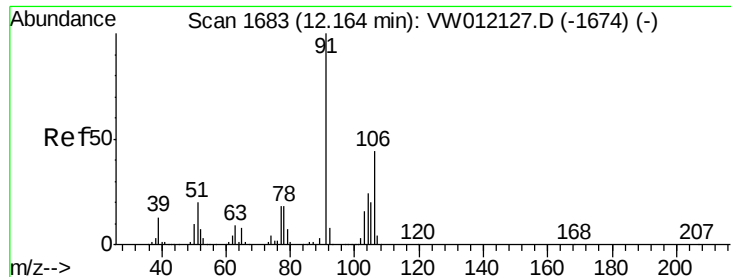
Tot Ion: 91 Resp: 533954
Ion Ratio Lower Upper
91 100
106 29.1 24.3 36.5



#68
m/p-Xylenes
Concen: 100.643 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion: 106 Resp: 385354
Ion Ratio Lower Upper
106 100
91 212.4 169.5 254.3

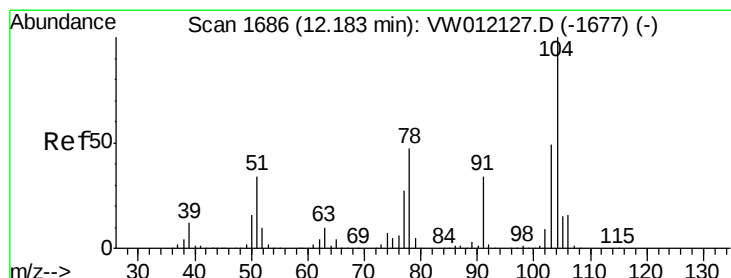
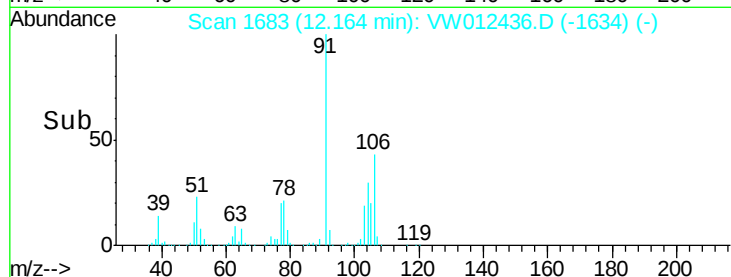
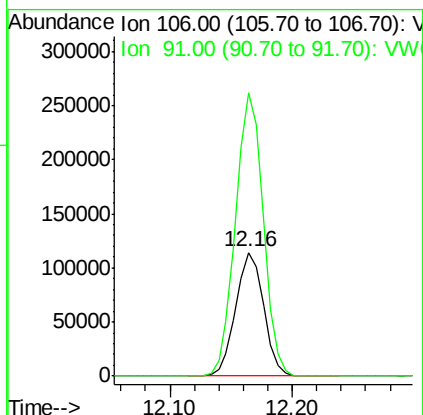
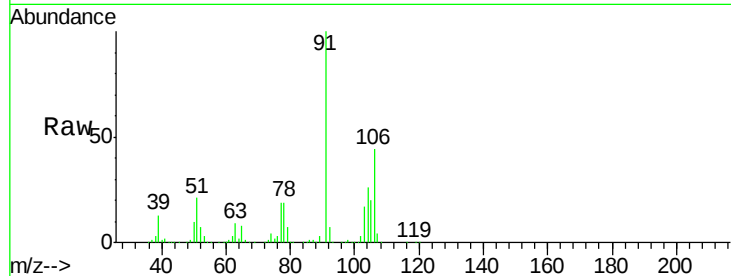




#69
o-Xylene
Concen: 50.932 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

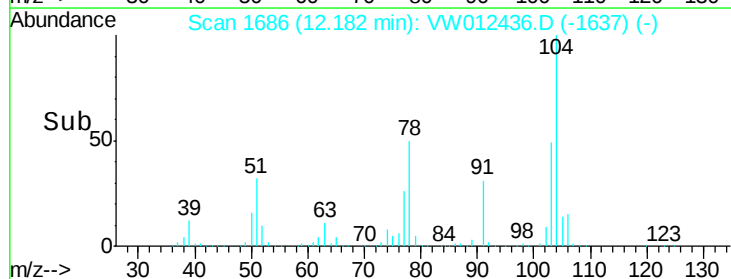
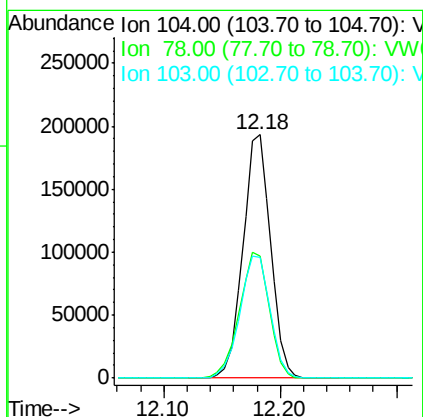
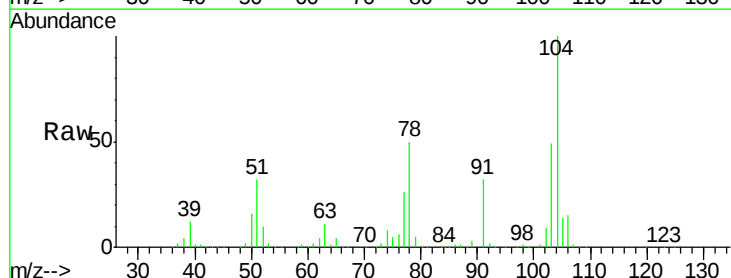
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

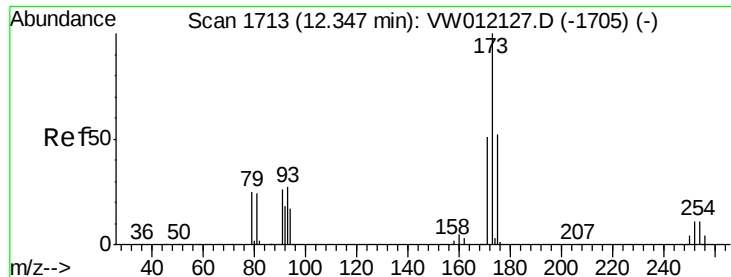
Tot Ion:106 Resp: 180494
Ion Ratio Lower Upper
106 100
91 227.3 111.6 334.6



#70
Styrene
Concen: 52.181 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion:104 Resp: 320074
Ion Ratio Lower Upper
104 100
78 56.0 43.1 64.7
103 54.9 43.5 65.3

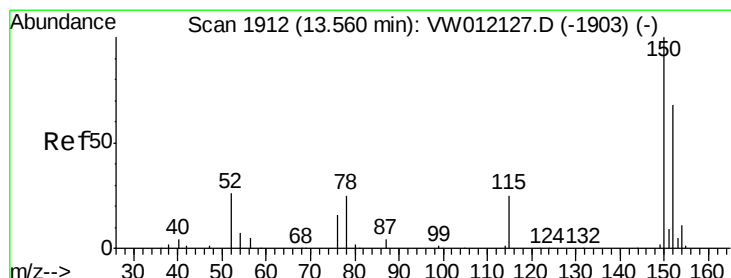
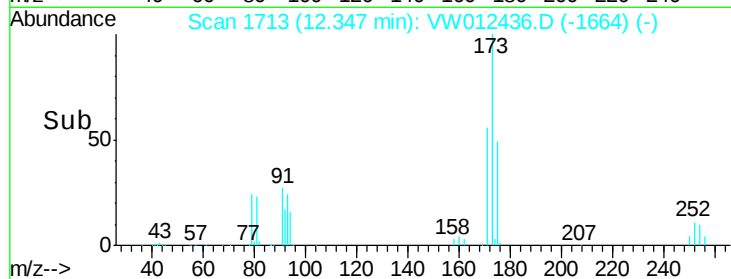
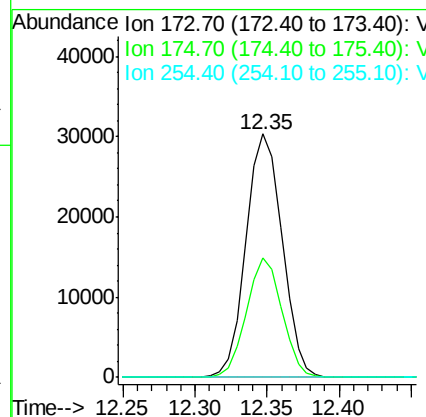
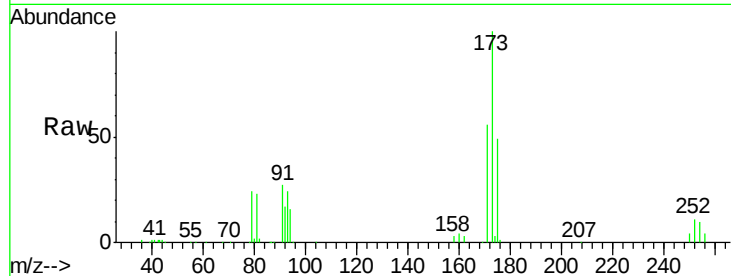




#71
Bromoform
Concen: 54.910 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

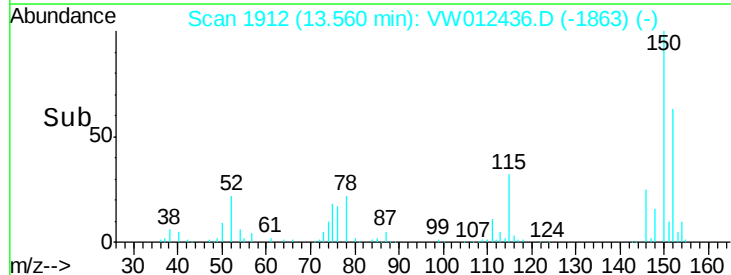
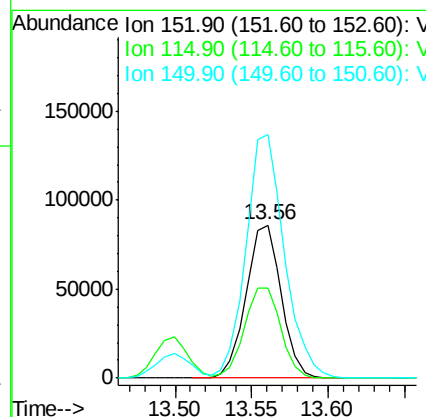
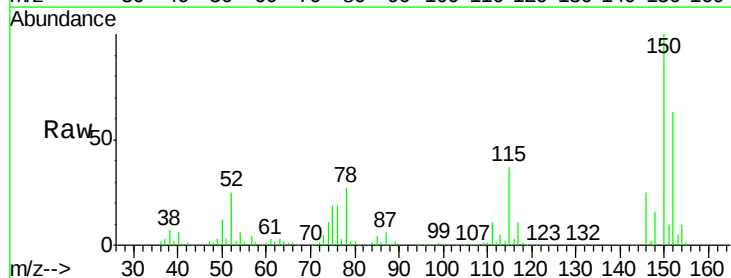
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

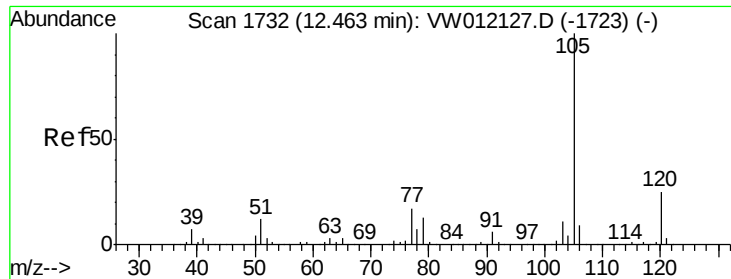
Tot Ion:173 Resp: 52665
Ion Ratio Lower Upper
173 100
175 48.4 24.6 74.0
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion:152 Resp: 136731
Ion Ratio Lower Upper
152 100
115 61.1 30.1 90.3
150 174.5 0.0 345.8

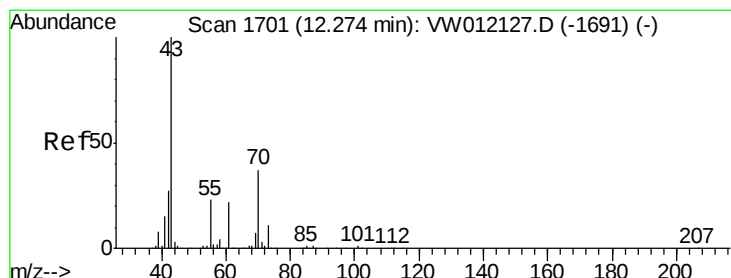
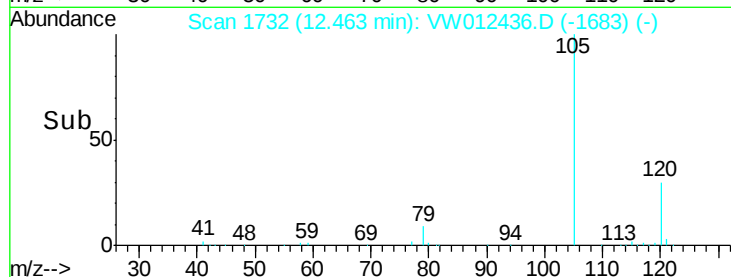
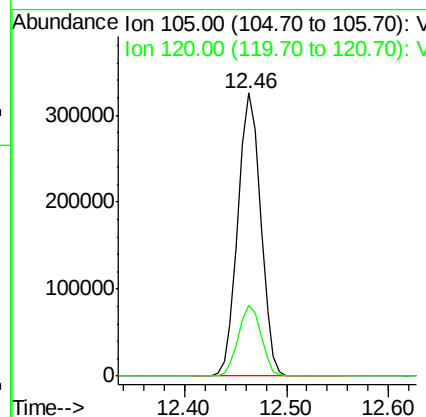
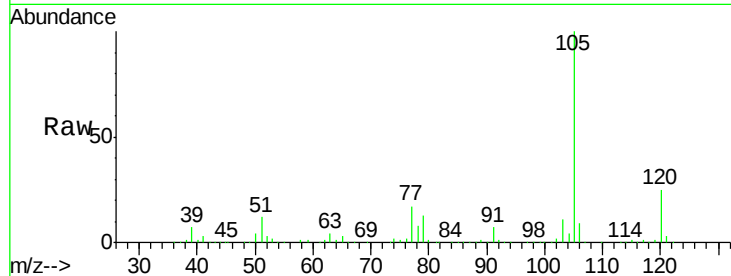




#73
Isopropylbenzene
Concen: 48.968 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

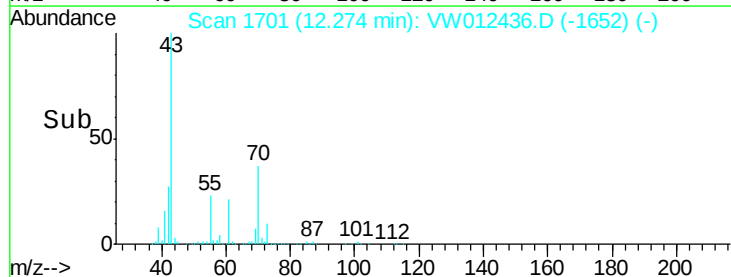
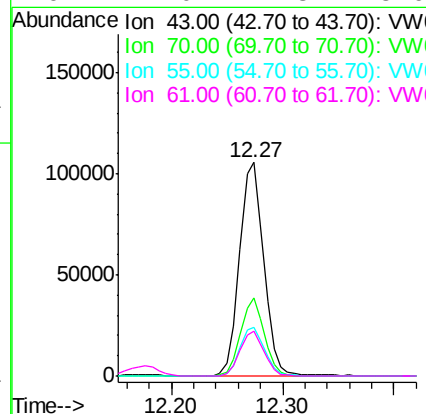
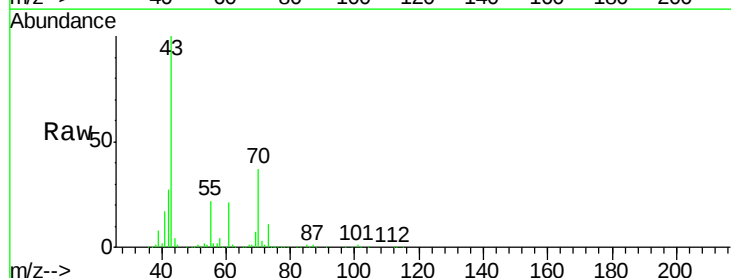
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 501694
Ion Ratio Lower Upper
105 100
120 25.2 12.5 37.5



#74
N-ethyl acetate
Concen: 51.501 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion: 43 Resp: 159419
Ion Ratio Lower Upper
43 100
70 35.5 28.6 43.0
55 23.4 17.8 26.6
61 21.0 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.639 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

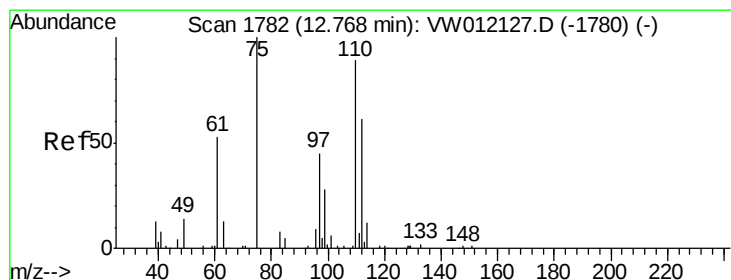
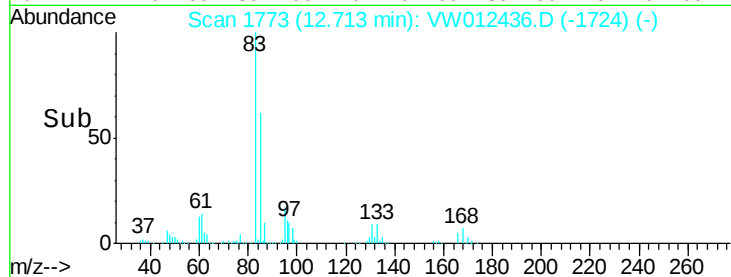
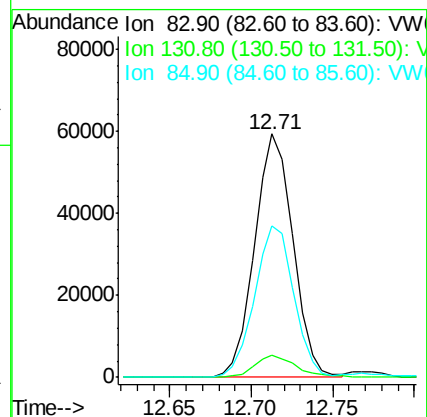
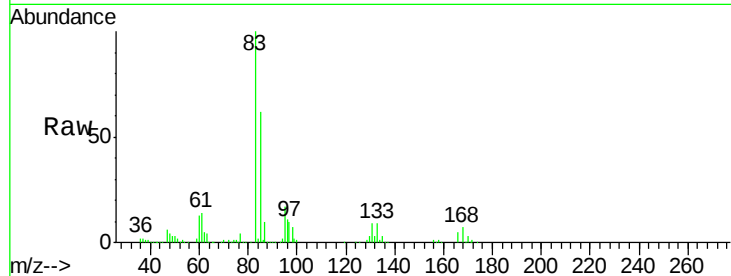
Tot Ion: 83 Resp: 96994

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 63.8 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 50.535 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012436.D

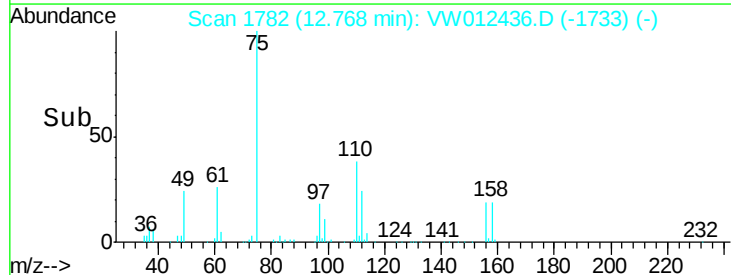
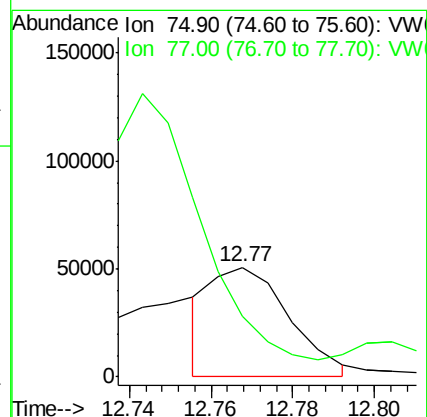
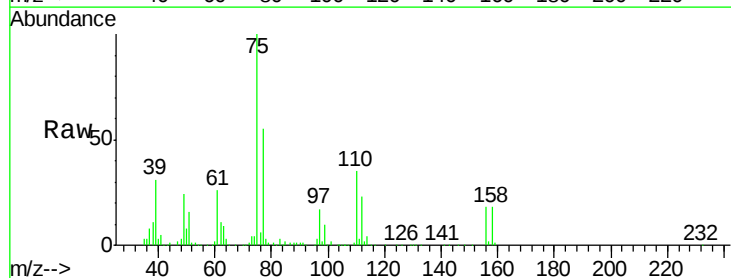
Acq: 01 Sep 2019 08:22

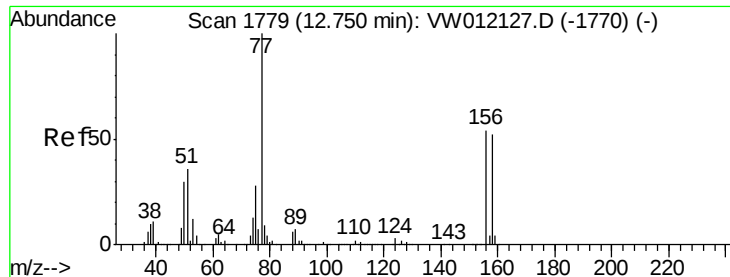
Tgt Ion: 75 Resp: 67295

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.640 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

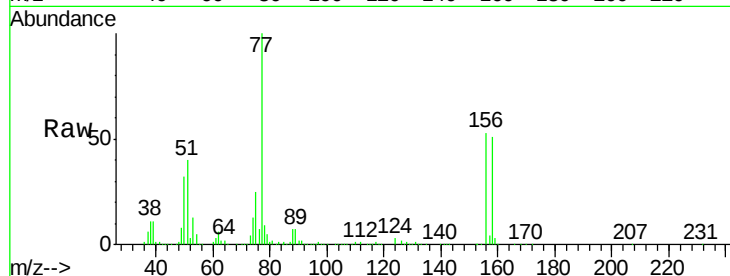
Tot Ion:156 Resp: 114460

Ion Ratio Lower Upper

156 100

77 210.2 107.3 321.8

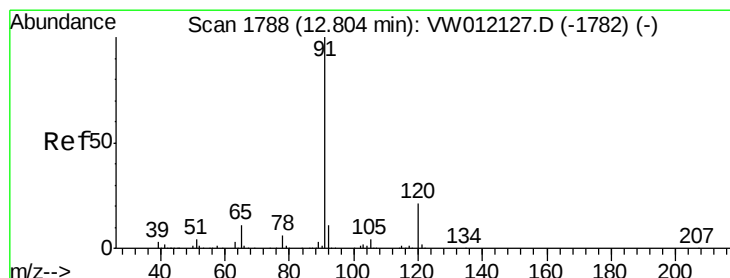
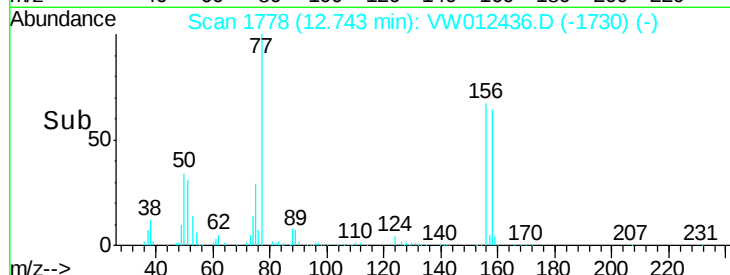
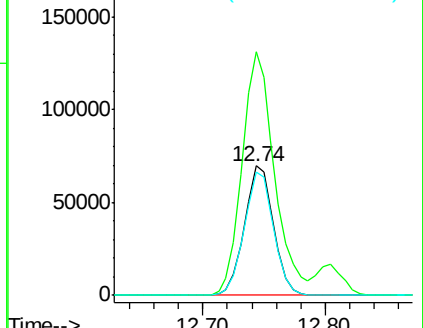
158 96.5 49.0 147.0



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: 48.380 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012436.D

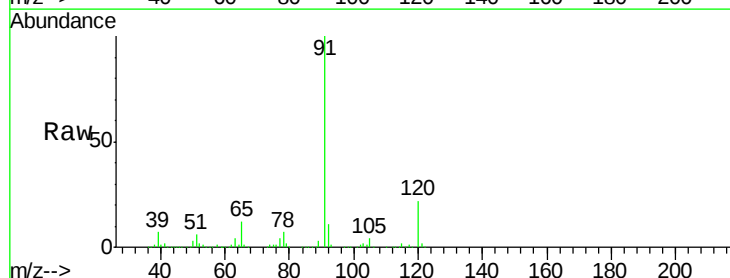
Acq: 01 Sep 2019 08:22

Tgt Ion: 91 Resp: 605121

Ion Ratio Lower Upper

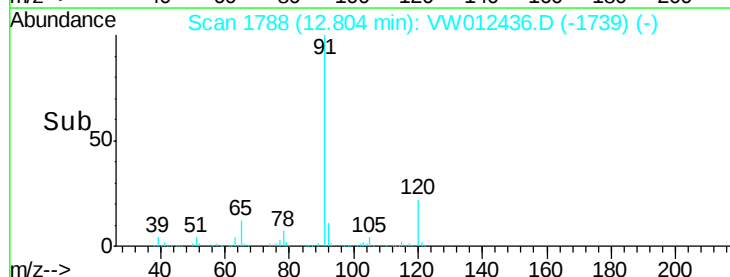
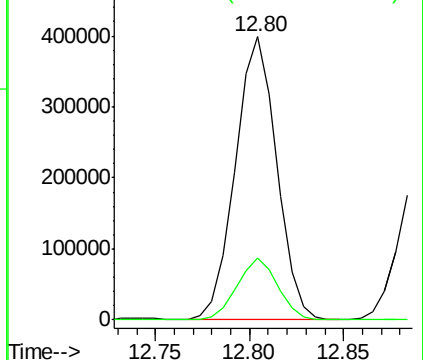
91 100

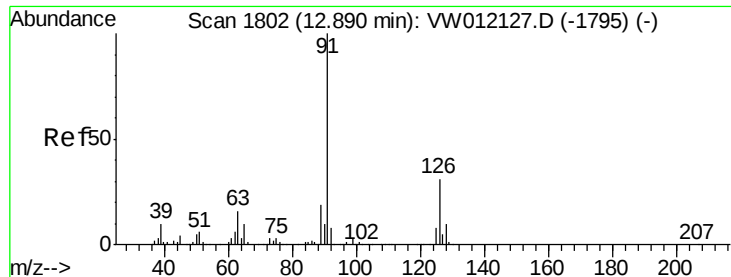
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.880 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

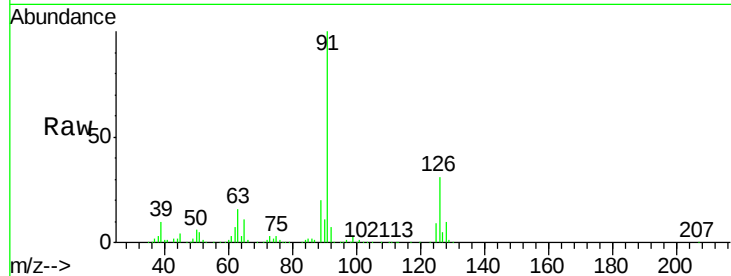
VSTDCCC050EC

Tot Ion: 91 Resp: 354207

Ion Ratio Lower Upper

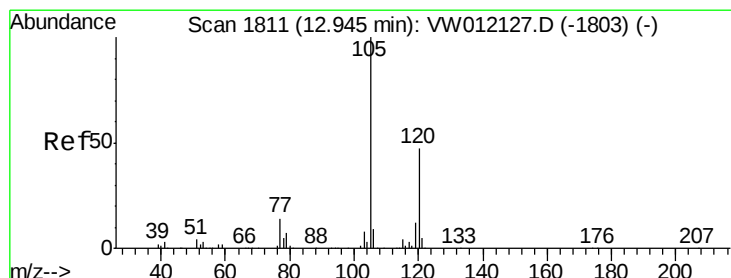
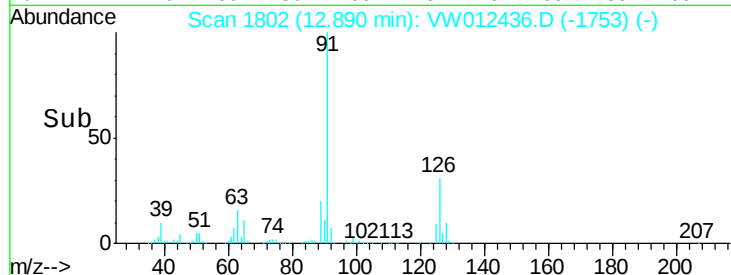
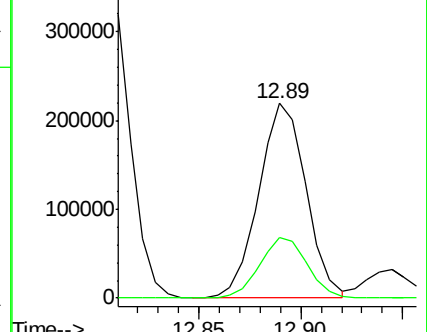
91 100

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: 50.973 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012436.D

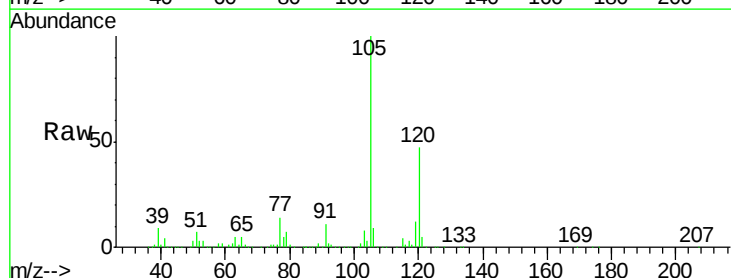
Acq: 01 Sep 2019 08:22

Tgt Ion: 105 Resp: 436380

Ion Ratio Lower Upper

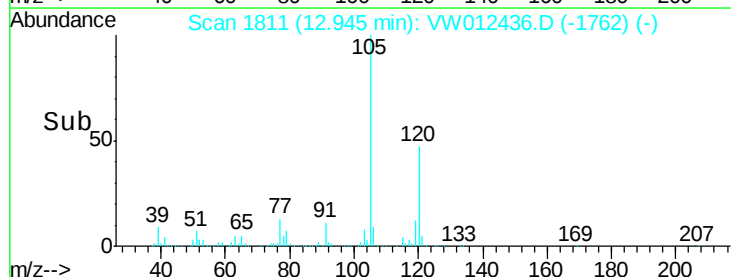
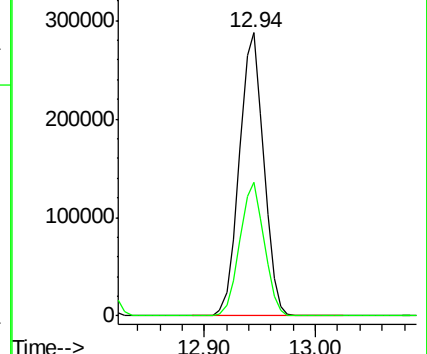
105 100

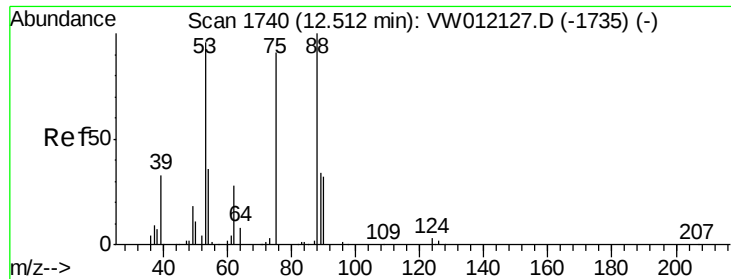
120 47.0 24.0 72.0



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: 47.030 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

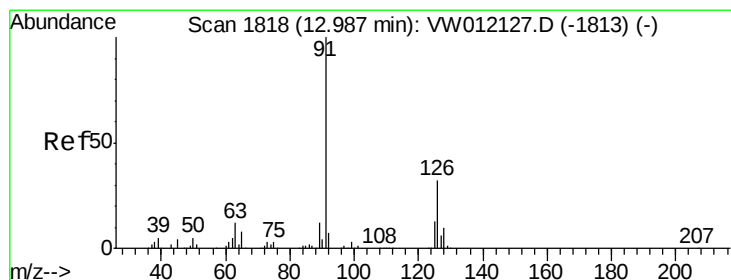
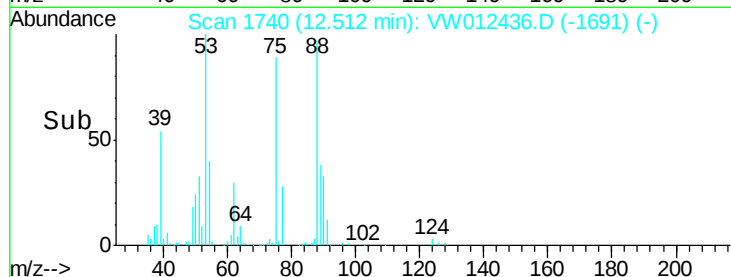
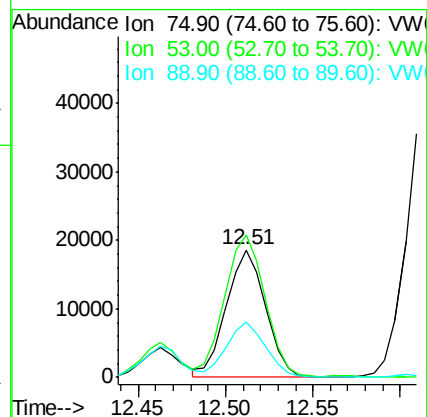
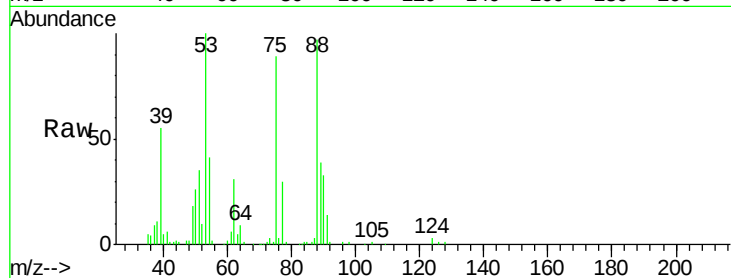
Tot Ion: 75 Resp: 28564

Ion Ratio Lower Upper

75 100

53 115.8 89.4 134.0

89 43.5 34.5 51.7



#82

4-Chlorotoluene

Concen: 49.918 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012436.D

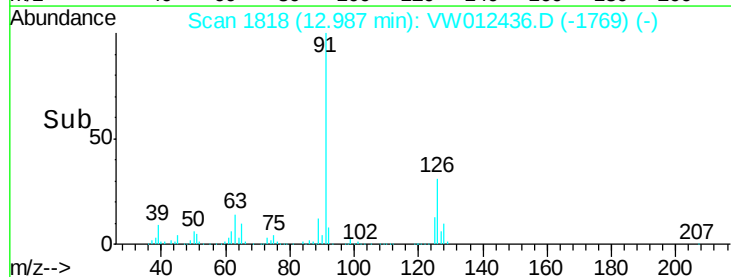
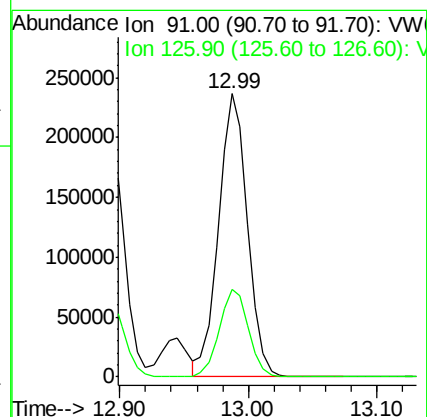
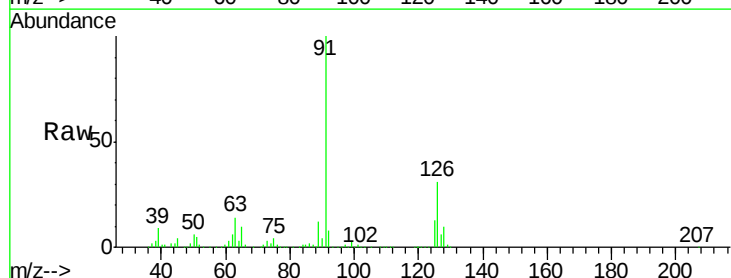
Acq: 01 Sep 2019 08:22

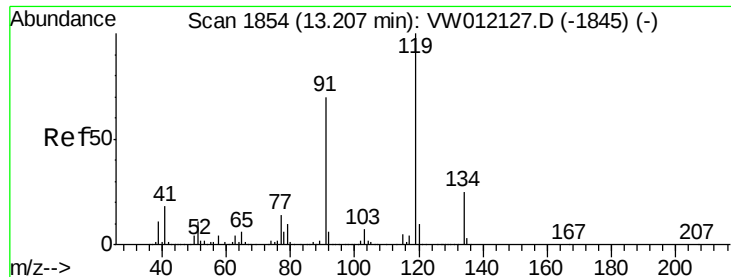
Tgt Ion: 91 Resp: 371161

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8

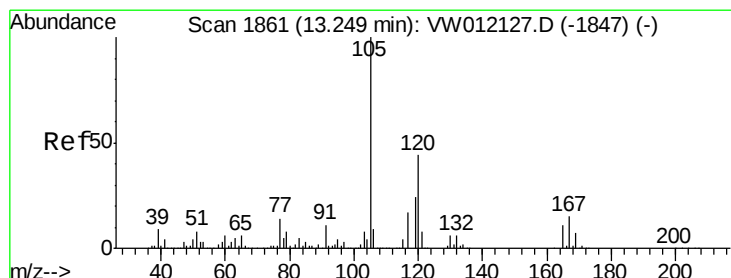
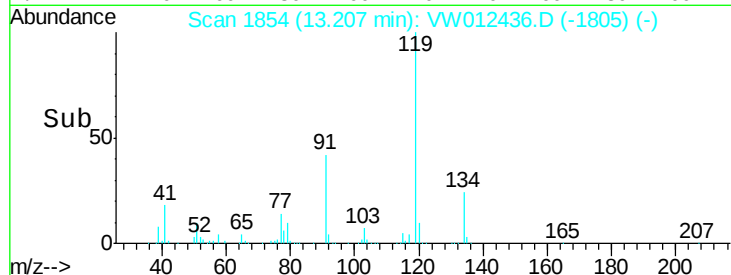
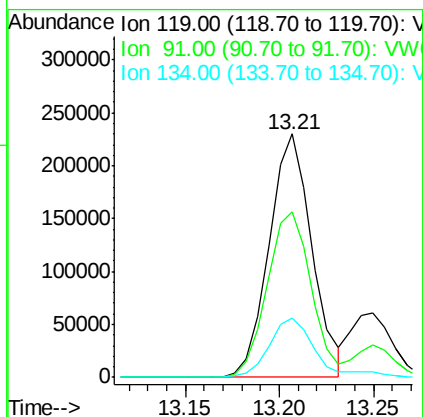
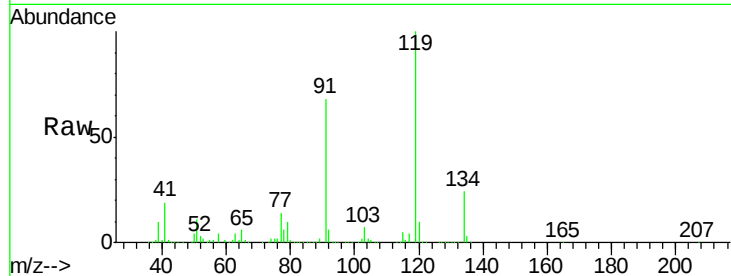




#83
tert-Butylbenzene
Concen: 50.075 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

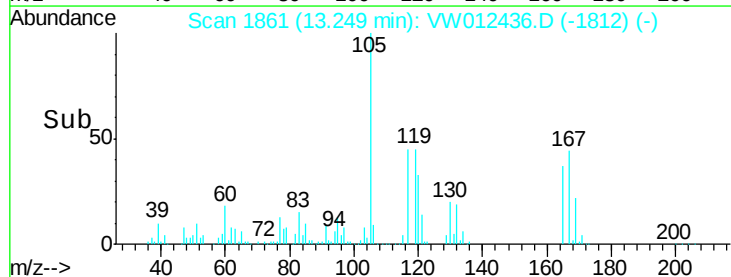
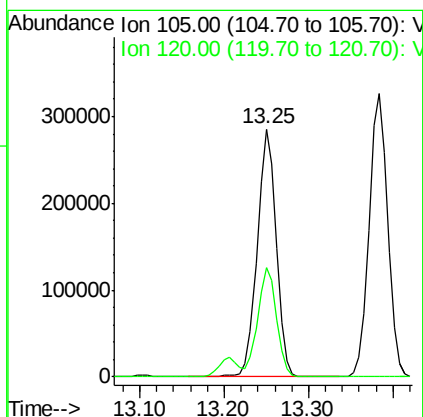
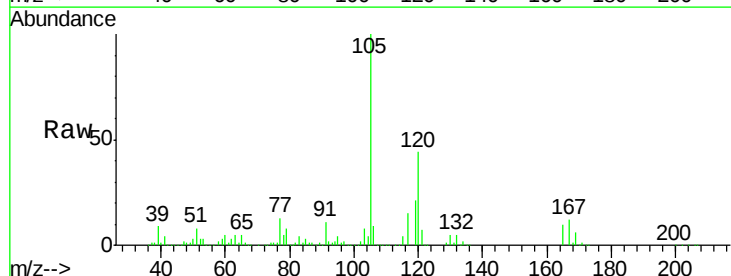
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

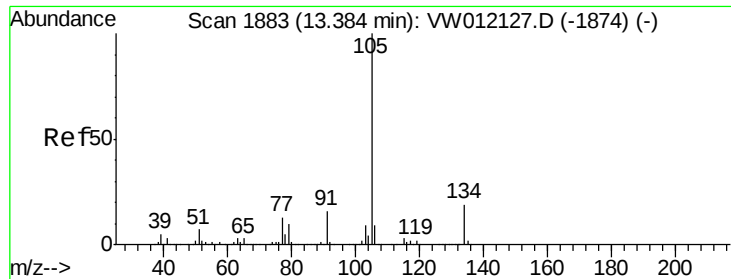
Tot Ion:119 Resp: 363140
Ion Ratio Lower Upper
119 100
91 69.8 34.8 104.3
134 26.1 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 51.073 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion:105 Resp: 439217
Ion Ratio Lower Upper
105 100
120 43.2 21.9 65.7





#85

sec-Butylbenzene

Concen: 47.994 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

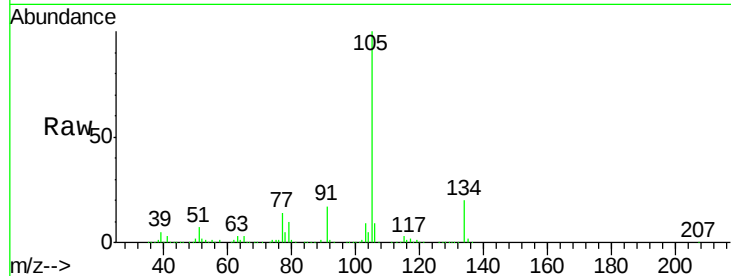
VSTDCCC050EC

Tot Ion:105 Resp: 498642

Ion Ratio Lower Upper

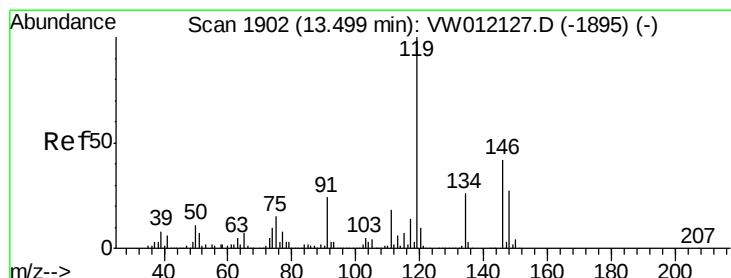
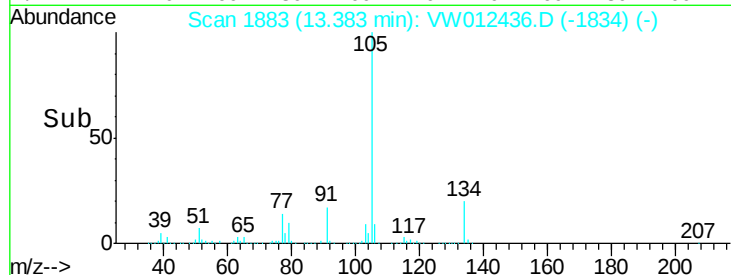
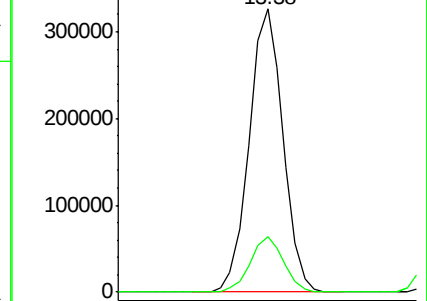
105 100

134 19.5 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.268 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

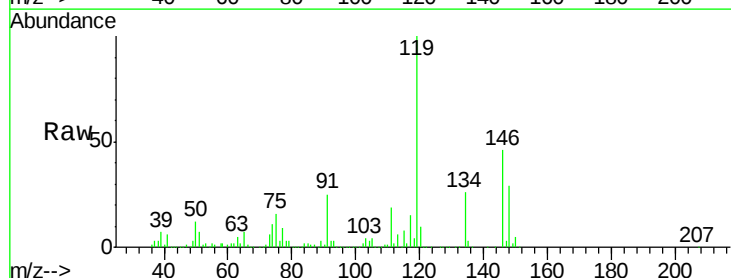
Tgt Ion:119 Resp: 457134

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.3

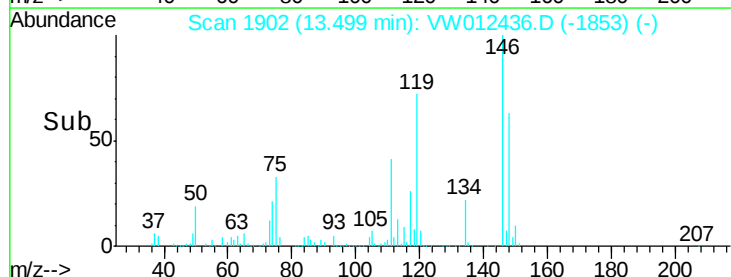
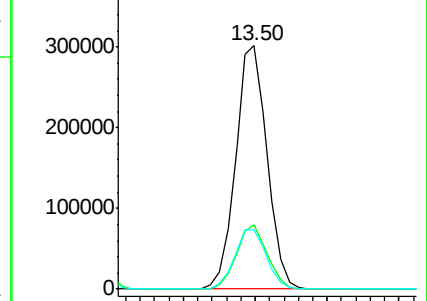
91 25.0 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

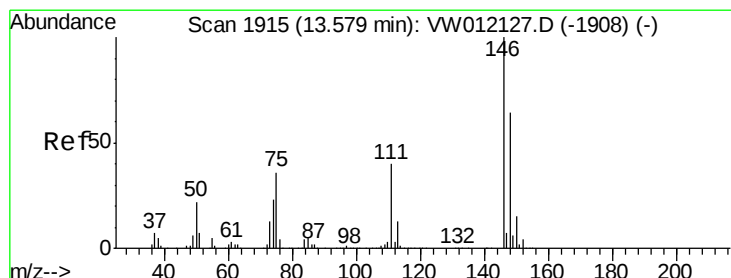
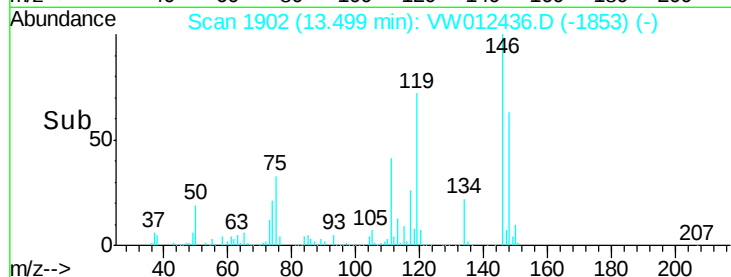
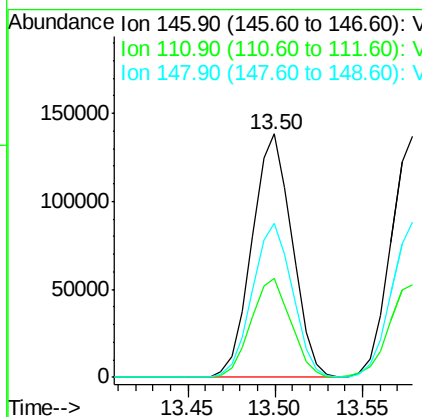
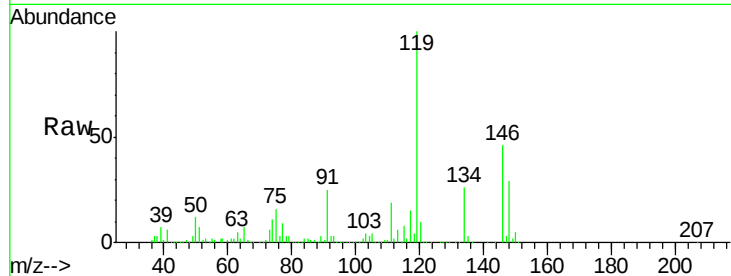




#87
 1,3-Dichlorobenzene
 Concen: 50.829 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

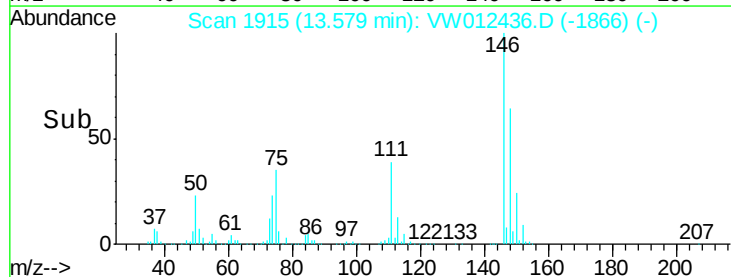
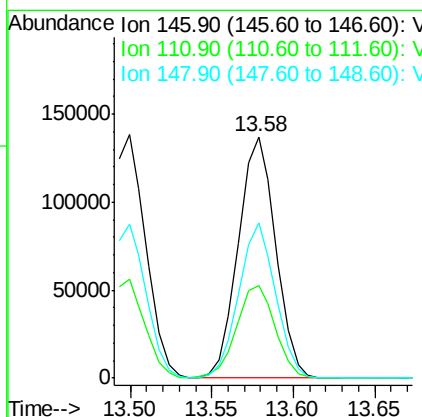
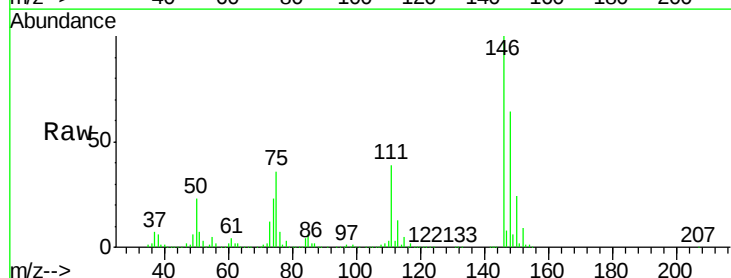
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

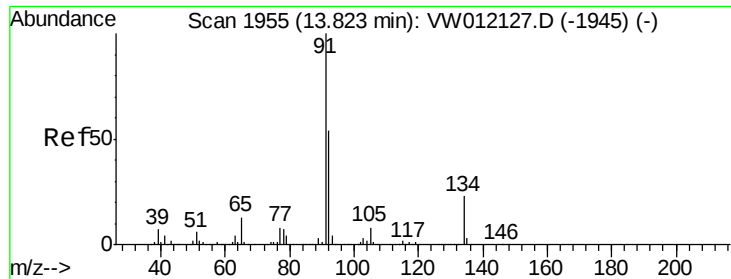
Tot Ion:146 Resp: 220364
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.9 62.7
 148 63.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.843 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Tgt Ion:146 Resp: 218863
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 60.0
 148 63.2 32.1 96.3





#89

n-Butylbenzene

Concen: 47.497 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012436.D

Acq: 01 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

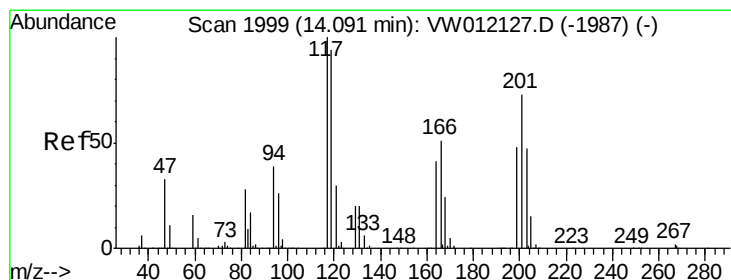
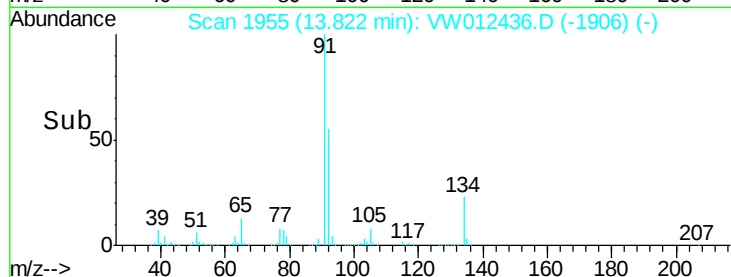
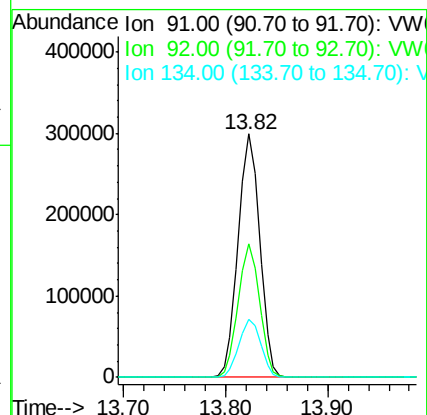
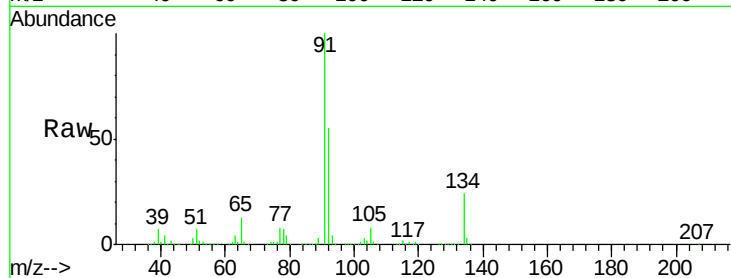
Tot Ion: 91 Resp: 438251

Ion Ratio Lower Upper

91 100

92 54.3 27.1 81.2

134 24.3 12.2 36.4



#90

Hexachloroethane

Concen: 49.949 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012436.D

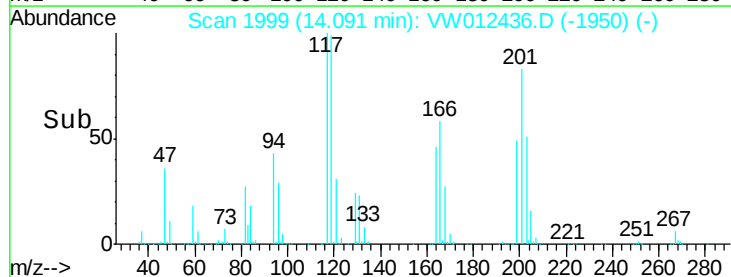
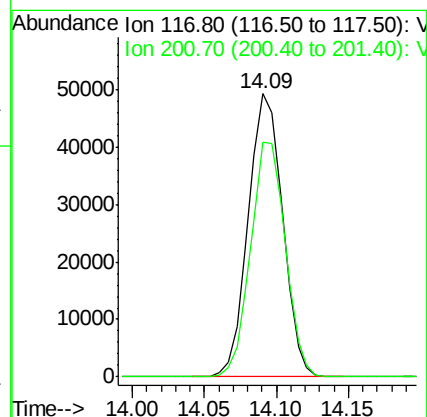
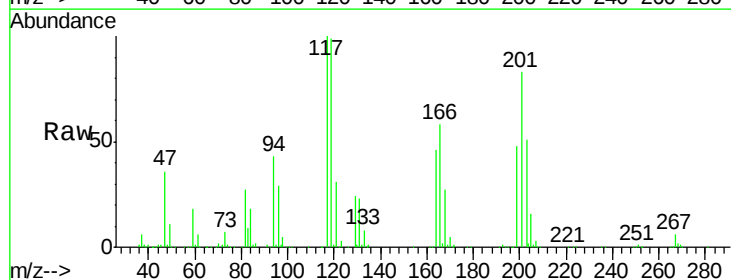
Acq: 01 Sep 2019 08:22

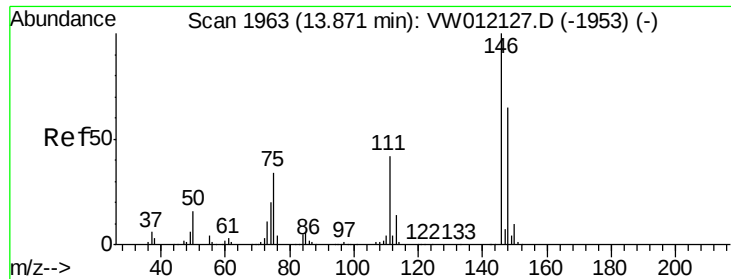
Tgt Ion: 117 Resp: 81312

Ion Ratio Lower Upper

117 100

201 83.6 38.6 115.7

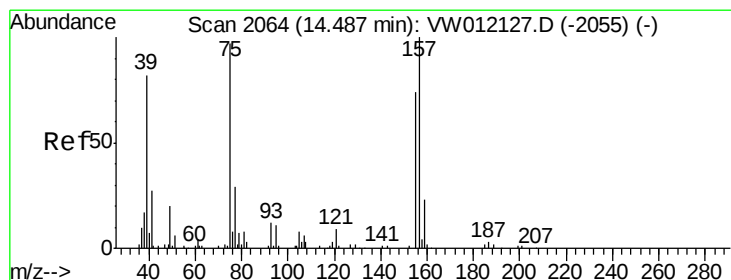
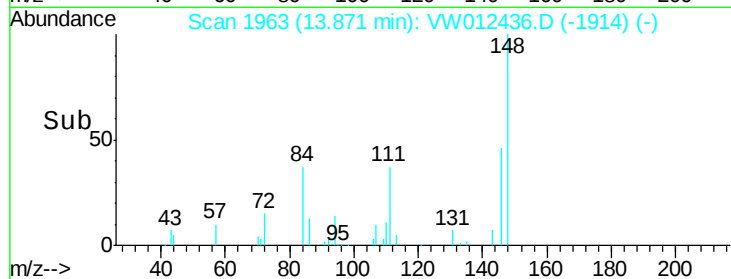
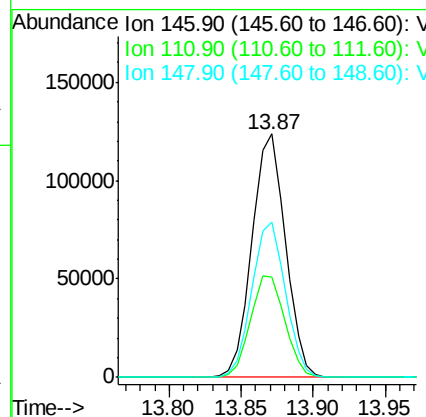
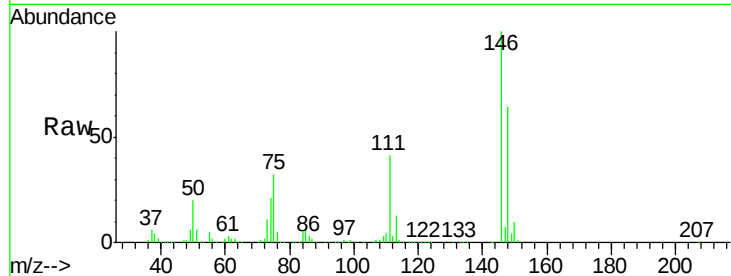




#91
 1,2-Dichlorobenzene
 Concen: 52.150 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

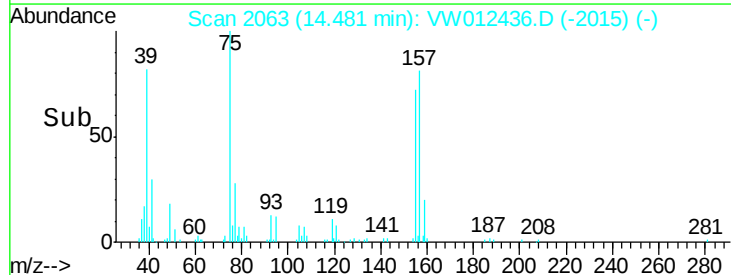
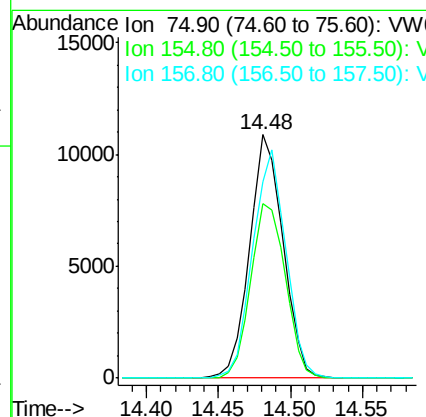
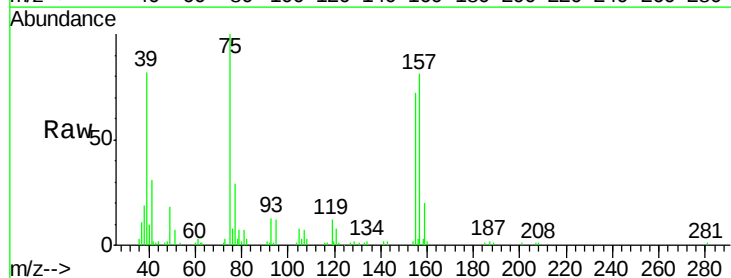
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

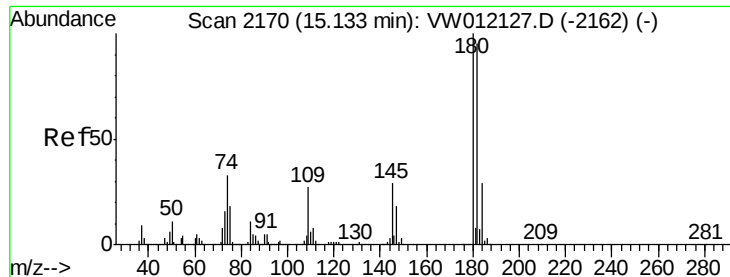
Tot Ion:146 Resp: 198338
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.2 63.6
 148 64.0 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.042 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Tgt Ion: 75 Resp: 17429
 Ion Ratio Lower Upper
 75 100
 155 74.3 37.5 112.3
 157 93.1 50.5 151.5

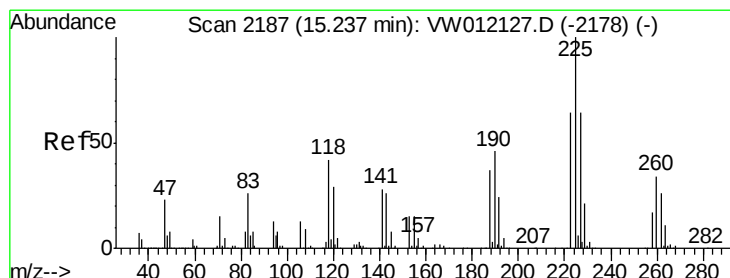
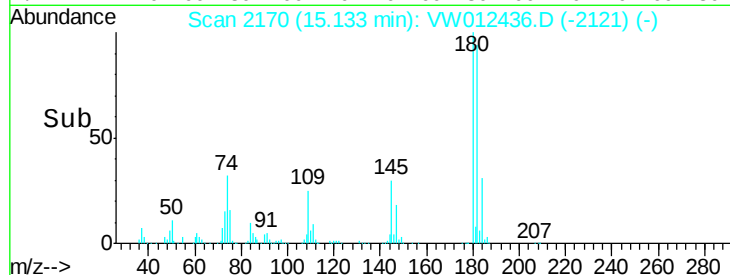
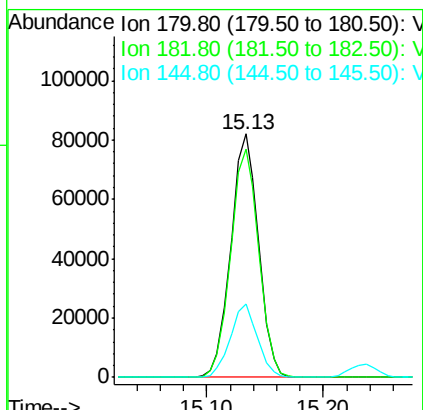
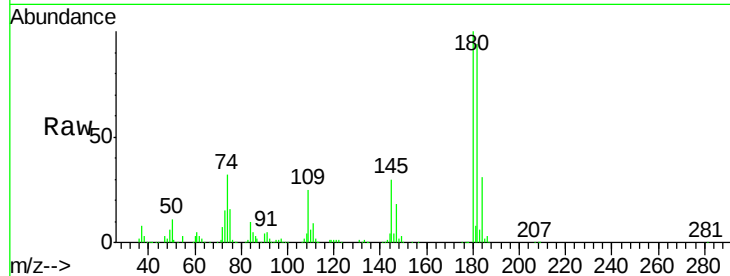




#93
 1,2,4-Trichlorobenzene
 Concen: 51.685 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

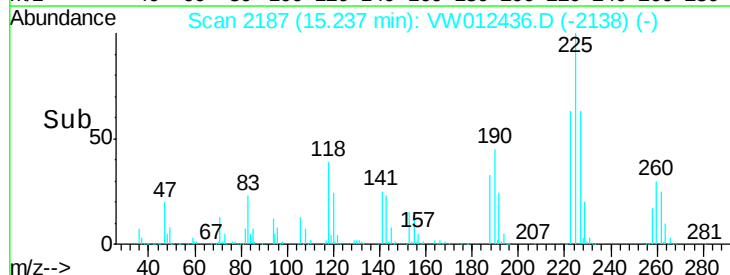
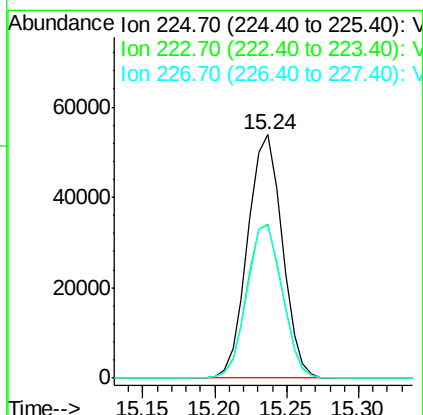
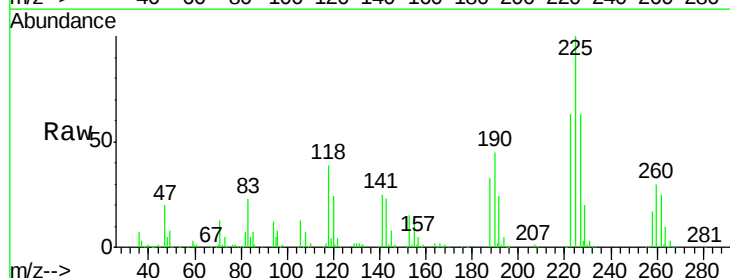
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

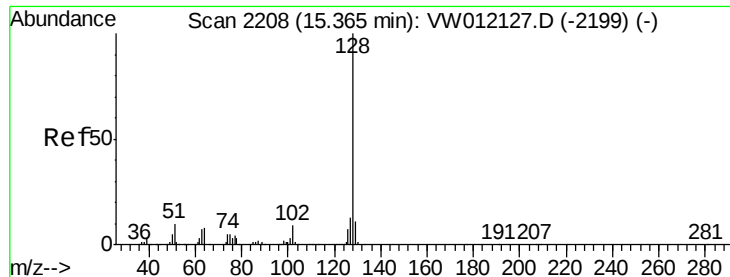
Tot Ion:180 Resp: 135844
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.4
 145 29.3 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 51.536 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012436.D
 Acq: 01 Sep 2019 08:22

Tgt Ion:225 Resp: 89439
 Ion Ratio Lower Upper
 225 100
 223 64.6 32.3 96.8
 227 64.3 32.9 98.6

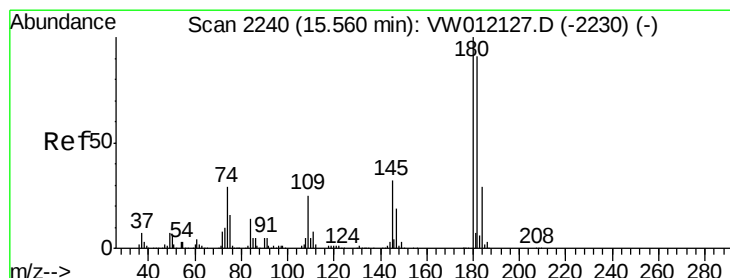
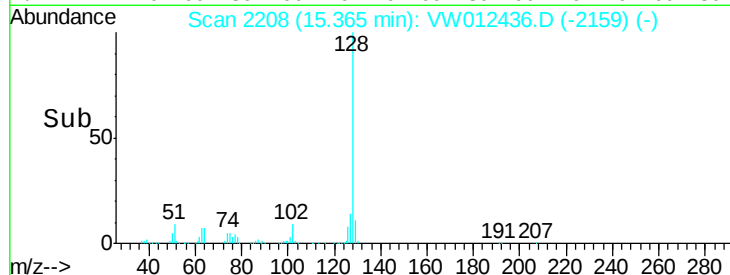
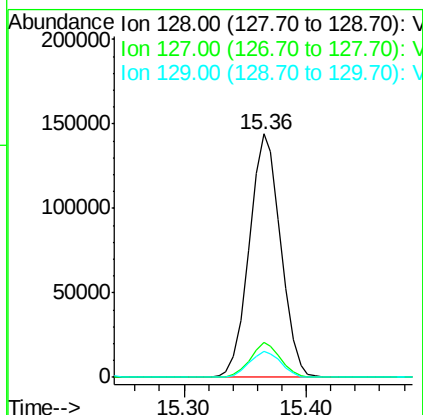
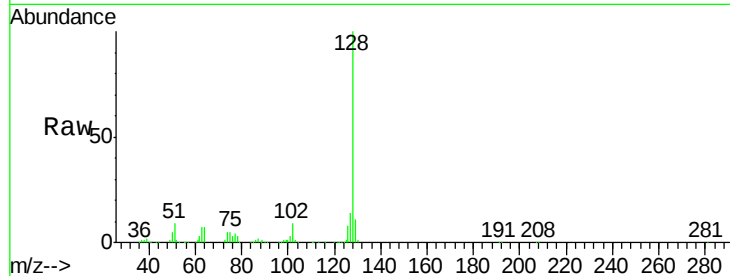




#95
Naphthalene
Concen: 49.931 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 257483
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.434 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012436.D
Acq: 01 Sep 2019 08:22

Tgt Ion:180 Resp: 122531
Ion Ratio Lower Upper
180 100
182 93.8 47.1 141.3
145 31.6 16.2 48.5

