

Data File : VW012981.D
Acq On : 14 Sep 2019 03:51
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 14 04:28:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	414598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	360517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181064	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	146150	57.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.98%	
35) Dibromofluoromethane	7.88	113	120292	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
50) Toluene-d8	10.32	98	478331	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
62) 4-Bromofluorobenzene	12.62	95	166261	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	47949	45.070	ug/l	94
3) Chloromethane	2.21	50	67444	51.018	ug/l	100
4) Vinyl Chloride	2.36	62	87850	44.590	ug/l	100
5) Bromomethane	2.76	94	54972	45.690	ug/l	98
6) Chloroethane	2.91	64	57895	47.913	ug/l	98
7) Trichlorofluoromethane	3.25	101	60048	43.585	ug/l	100
8) Diethyl Ether	3.68	74	53488	49.721	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	96354	46.112	ug/l	98
10) Methyl Iodide	4.27	142	129358	49.466	ug/l	100
11) Tert butyl alcohol	5.19	59	45503	266.581	ug/l	96
12) 1,1-Dichloroethene	4.04	96	89765	47.246	ug/l	96
13) Acrolein	3.89	56	46444	247.762	ug/l	99
14) Allyl chloride	4.66	41	179505	49.767	ug/l	100
15) Acrylonitrile	5.36	53	143560	261.281	ug/l	99
16) Acetone	4.12	43	119980	214.750	ug/l	98
17) Carbon Disulfide	4.38	76	169480	44.762	ug/l	97
18) Methyl Acetate	4.67	43	79266	54.730	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	194993	51.992	ug/l	92
20) Methylene Chloride	4.91	84	109357	53.623	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	98850	48.577	ug/l	97
22) Diisopropyl ether	6.31	45	393121	52.464	ug/l	97
23) Vinyl Acetate	6.25	43	1132896	252.431	ug/l	98
24) 1,1-Dichloroethane	6.21	63	217874	50.430	ug/l	98
25) 2-Butanone	7.17	43	190810	236.051	ug/l	99
26) 2,2-Dichloropropane	7.16	77	124824	45.101	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	122884	50.440	ug/l	98
28) Bromochloromethane	7.51	49	102614	56.431	ug/l	98
29) Tetrahydrofuran	7.53	42	123633	268.429	ug/l	97
30) Chloroform	7.67	83	221636	50.489	ug/l	99
31) Cyclohexane	7.95	56	158797	48.868	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	173721	48.055	ug/l	98
36) 1,1-Dichloropropene	8.08	75	152261	45.959	ug/l	99
37) Ethyl Acetate	7.25	43	86579	49.235	ug/l	99
38) Carbon Tetrachloride	8.07	117	154534	45.517	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	158528	43.668	ug/l	98
40) Benzene	8.32	78	447324	48.366	ug/l	100
41) Methacrylonitrile	7.48	41	54418	46.992	ug/l	94
42) 1,2-Dichloroethane	8.40	62	152190	49.088	ug/l	99
43) Isopropyl Acetate	8.42	43	166998	49.461	ug/l	99
44) Trichloroethene	9.09	130	120295	47.485	ug/l	93
45) 1,2-Dichloropropane	9.37	63	120221	48.925	ug/l	98
46) Dibromomethane	9.46	93	57290	48.663	ug/l	99
47) Bromodichloromethane	9.64	83	161246	48.829	ug/l	98
48) Methyl methacrylate	9.43	41	79506	50.174	ug/l	99
49) 1,4-Dioxane	9.46	88	18658	945.827	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	438269	251.424	ug/l	100
52) Toluene	10.38	92	280127	47.665	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	156776	47.206	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	181507	47.765	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	88762	49.492	ug/l	95
56) Ethyl methacrylate	10.65	69	122859	50.894	ug/l	98
57) 1,3-Dichloropropane	10.93	76	155630	48.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	332157	256.501	ug/l	99
59) 2-Hexanone	10.97	43	291648	240.282	ug/l	98
60) Dibromochloromethane	11.13	129	103864	47.902	ug/l	95
61) 1,2-Dibromoethane	11.23	107	80506	49.208	ug/l	99
64) Tetrachloroethene	10.86	164	108554	50.614	ug/l	97
65) Chlorobenzene	11.66	112	306202	47.683	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	117969	47.938	ug/l	100
67) Ethyl Benzene	11.73	91	573735	48.376	ug/l	99
68) m/p-Xylenes	11.84	106	415674	95.941	ug/l	99
69) o-Xylene	12.16	106	197285	48.570	ug/l	99
70) Styrene	12.18	104	354862	49.111	ug/l	99
71) Bromoform	12.35	173	64056	49.555	ug/l #	99
73) Isopropylbenzene	12.46	105	568147	47.340	ug/l	100
74) N-amyl acetate	12.27	43	149135	48.307	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	102369	48.565	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	134843	85.022	ug/l #	100
77) Bromobenzene	12.74	156	133379	48.241	ug/l	99
78) n-propylbenzene	12.80	91	665520	47.142	ug/l	99
79) 2-Chlorotoluene	12.89	91	389777	48.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	480300	47.305	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	31174	44.589	ug/l	97
82) 4-Chlorotoluene	12.99	91	407674	47.611	ug/l	99
83) tert-Butylbenzene	13.21	119	428749	47.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	484797	48.320	ug/l	99
85) sec-Butylbenzene	13.38	105	574013	46.391	ug/l	99
86) p-Isopropyltoluene	13.49	119	537345	47.301	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	255417	46.667	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	256786	47.743	ug/l	99
89) n-Butylbenzene	13.82	91	498940	46.571	ug/l	100
90) Hexachloroethane	14.09	117	95188	46.758	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	231548	48.107	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18006	46.667	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
Quantitation Report (Not Reviewed)

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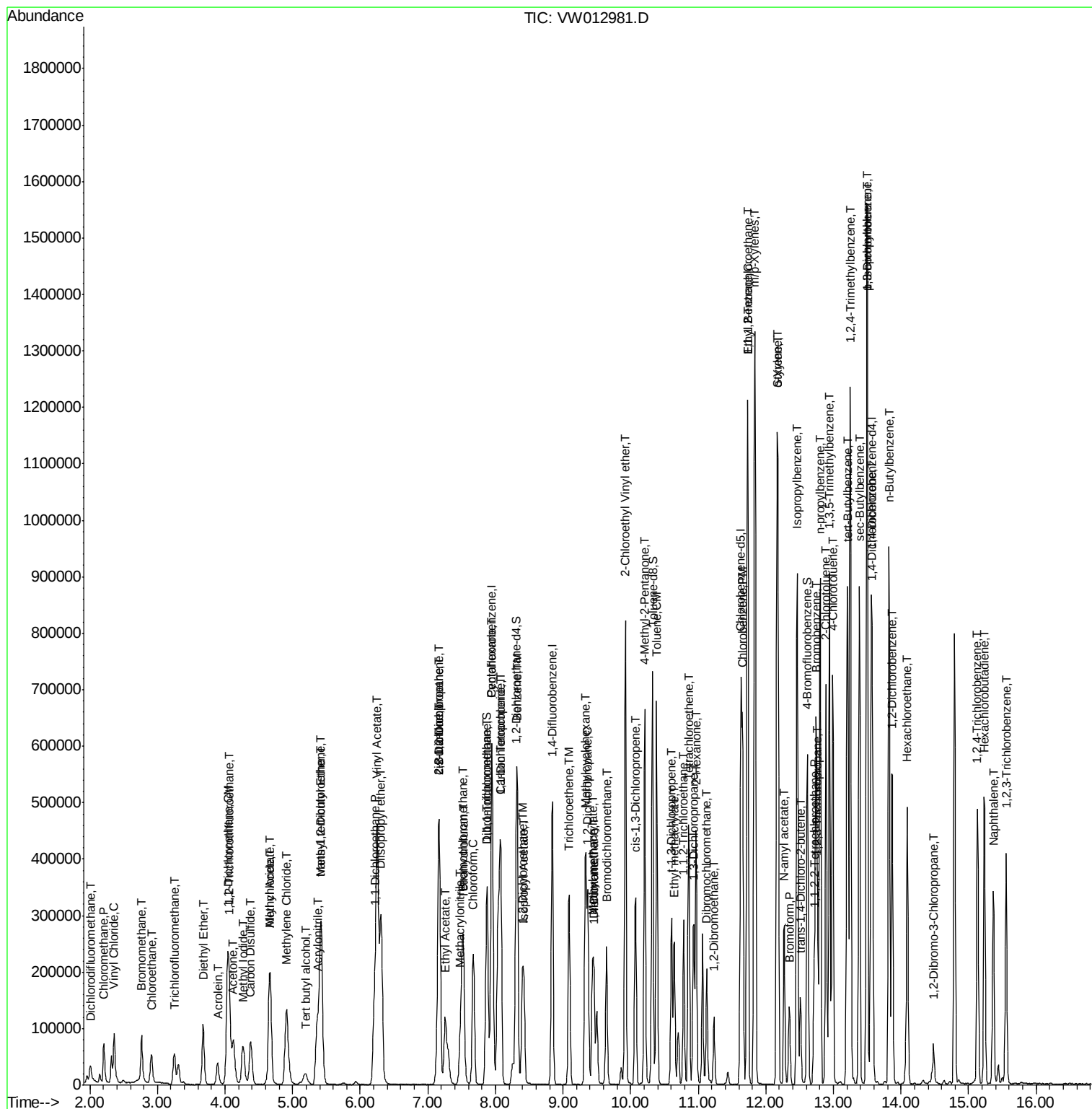
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	166017	48.365	ug/l	99
94) Hexachlorobutadiene	15.24	225	110431	45.445	ug/l	98
95) Naphthalene	15.36	128	287771	50.174	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	144021	47.464	ug/l	100

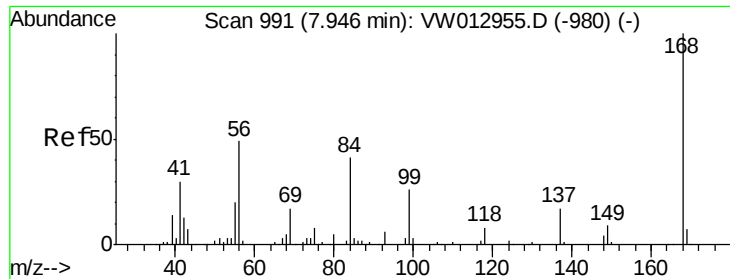
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

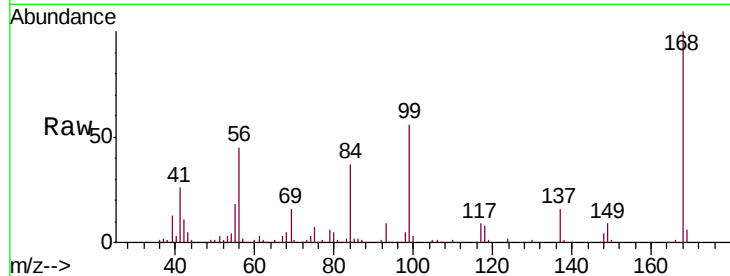
VSTDCCC050EC

Tgt Ion:168 Resp: 275252

Ion Ratio Lower Upper

168 100

99 56.3 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

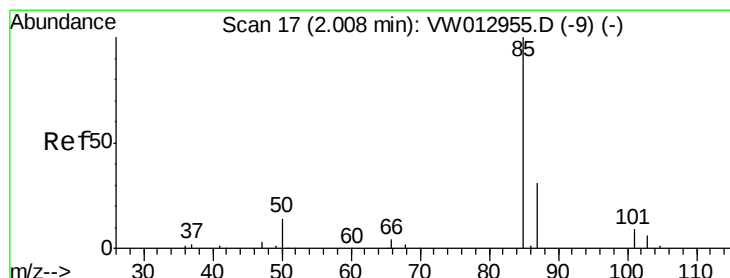
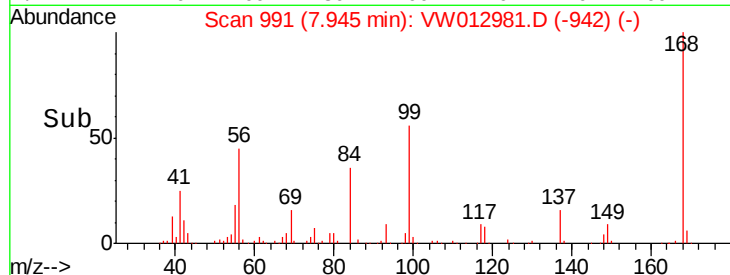
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 45.070 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012981.D

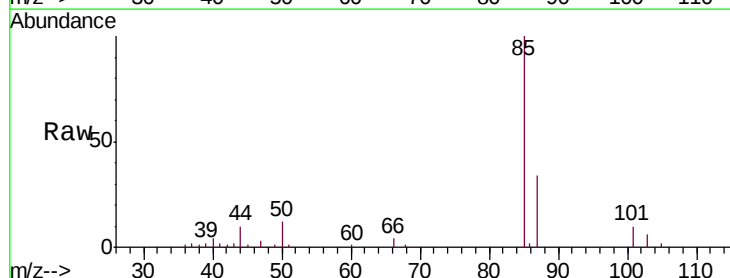
Acq: 14 Sep 2019 03:51

Tgt Ion: 85 Resp: 47949

Ion Ratio Lower Upper

85 100

87 34.3 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

10000

5000

0

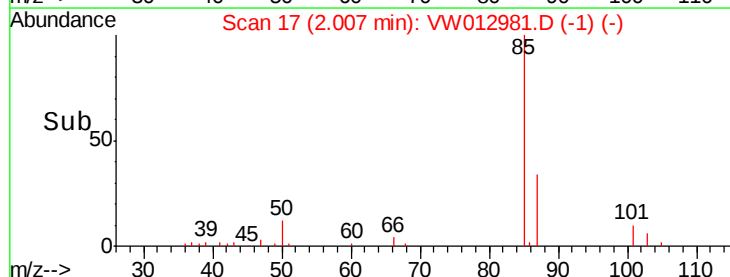
1.90

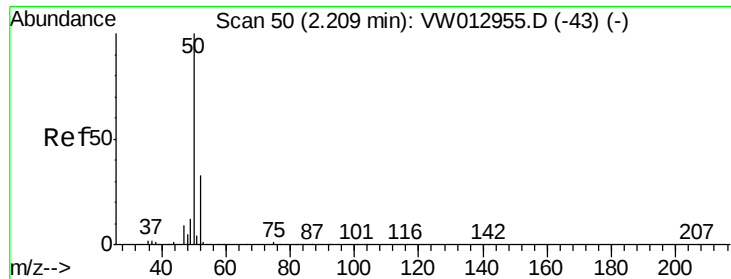
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 51.018 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

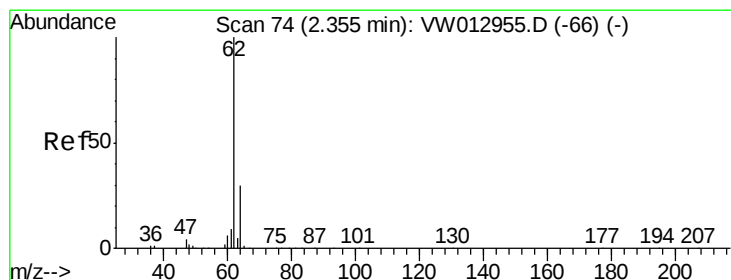
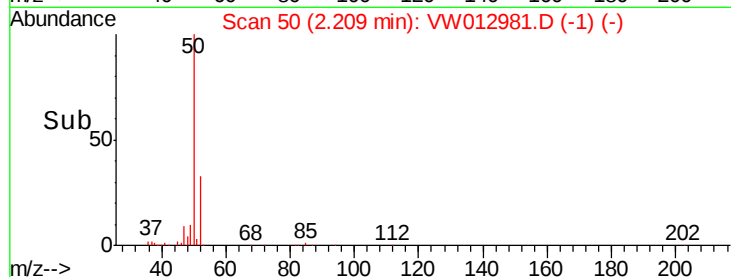
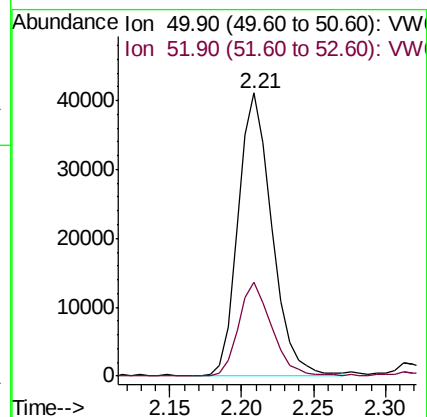
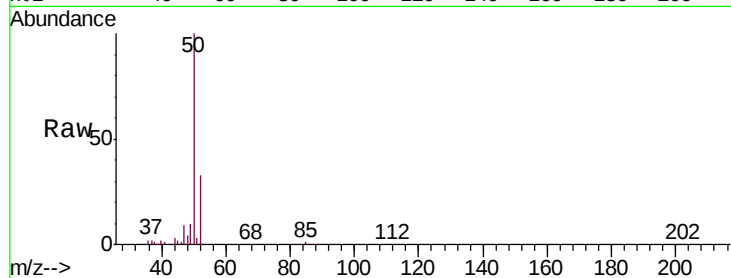
VSTDCCC050EC

Tgt Ion: 50 Resp: 67444

Ion Ratio Lower Upper

50 100

52 33.4 26.6 39.8



#4

Vinyl Chloride

Concen: 44.590 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012981.D

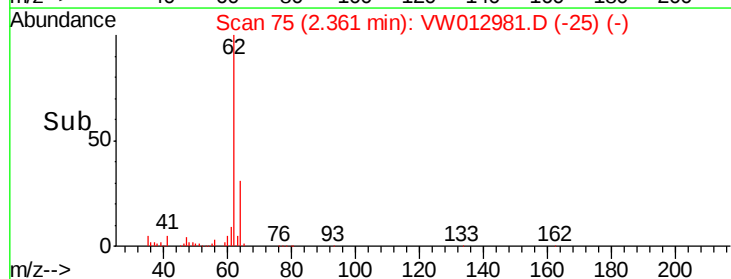
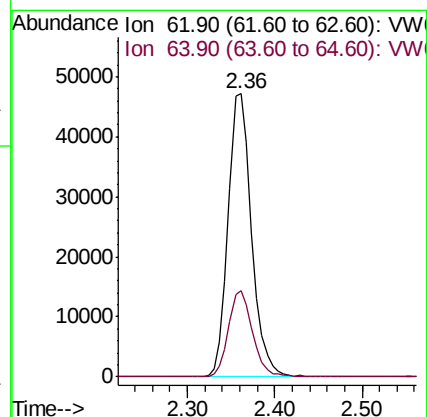
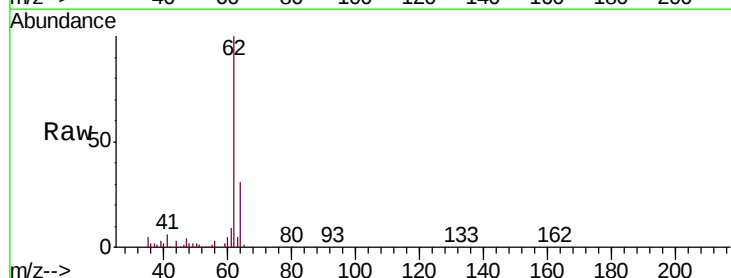
Acq: 14 Sep 2019 03:51

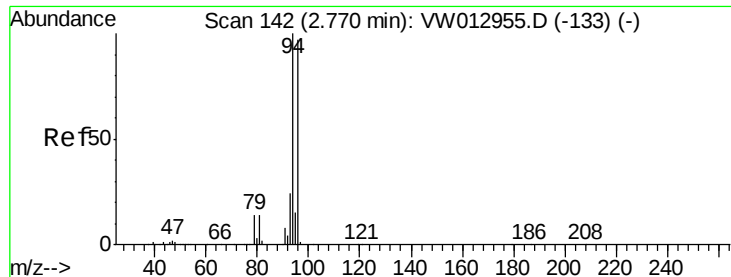
Tgt Ion: 62 Resp: 87850

Ion Ratio Lower Upper

62 100

64 30.5 24.2 36.4





#5

Bromomethane

Concen: 45.690 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

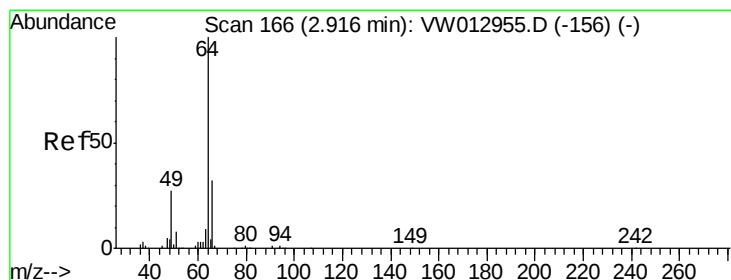
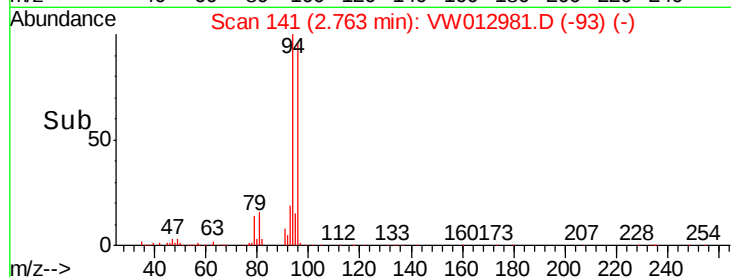
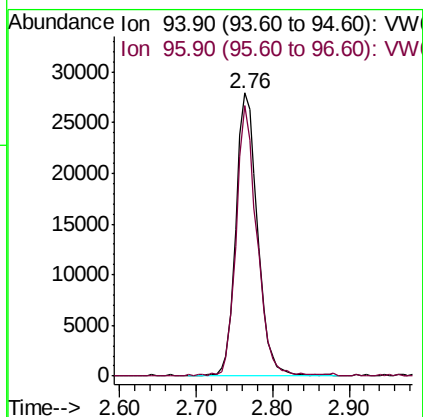
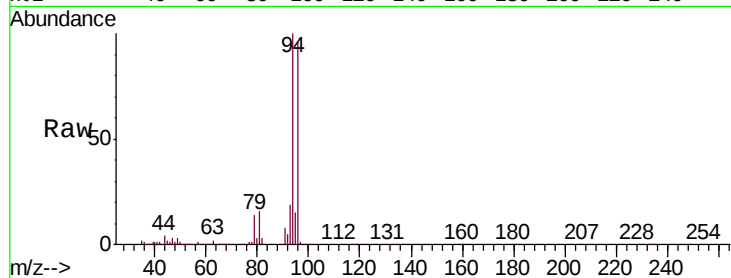
VSTDCCC050EC

Tgt Ion: 94 Resp: 54972

Ion Ratio Lower Upper

94 100

96 95.4 77.8 116.6



#6

Chloroethane

Concen: 47.913 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012981.D

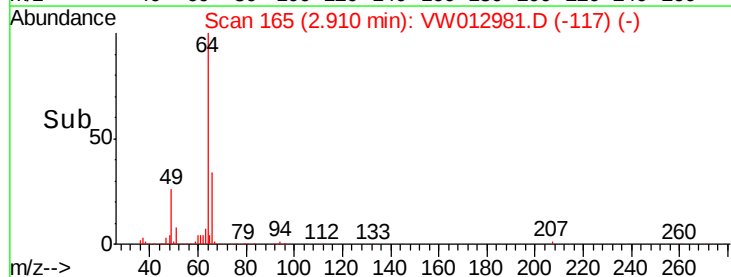
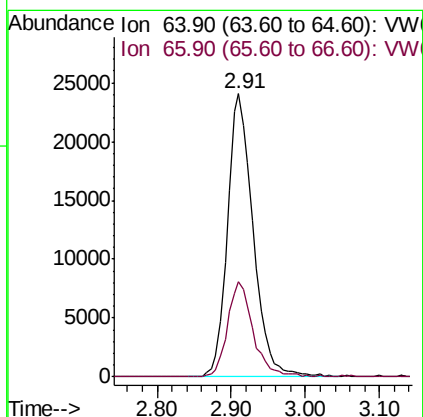
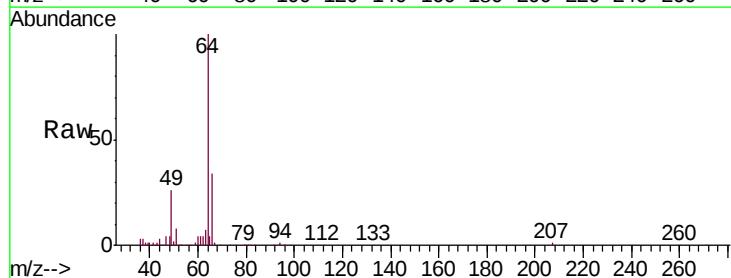
Acq: 14 Sep 2019 03:51

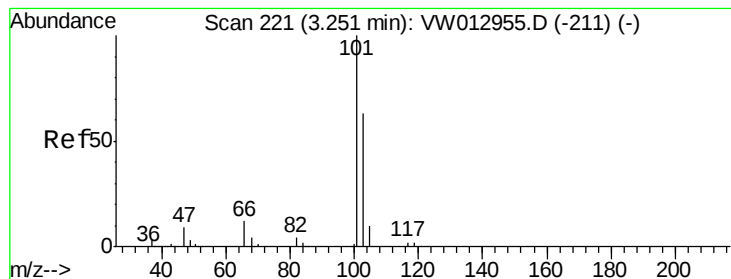
Tgt Ion: 64 Resp: 57895

Ion Ratio Lower Upper

64 100

66 33.6 25.9 38.9



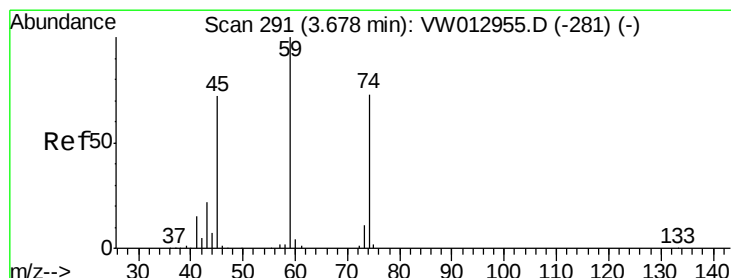
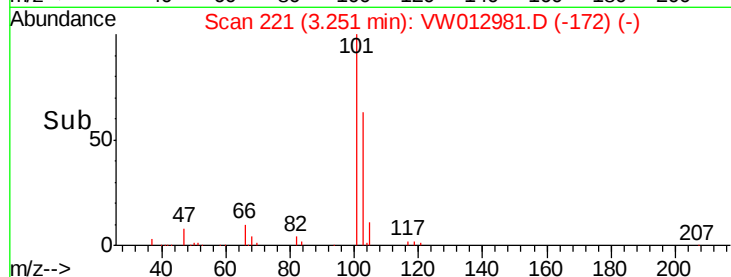
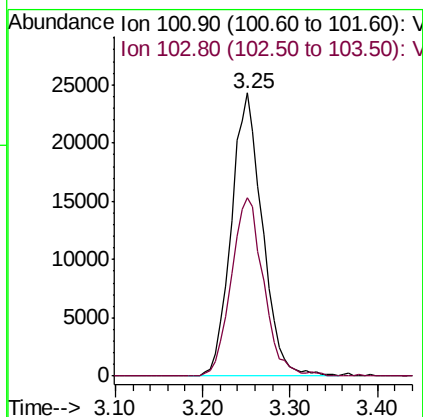
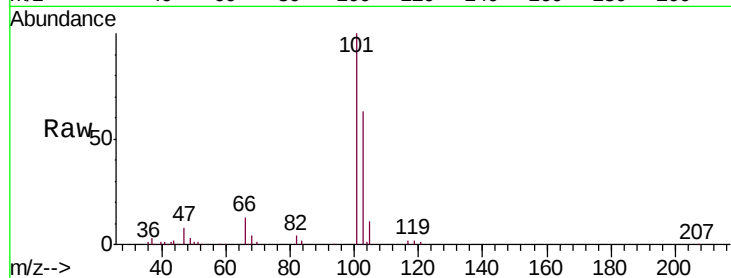


#7

Trichlorofluoromethane
 Concen: 43.585 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
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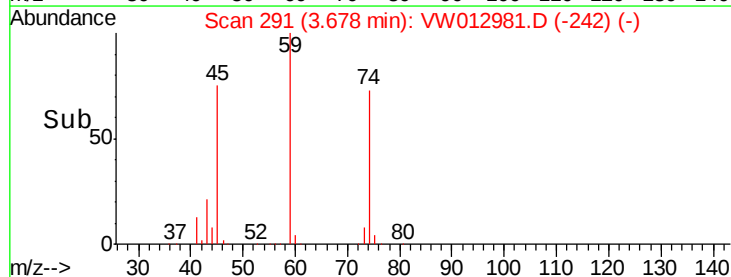
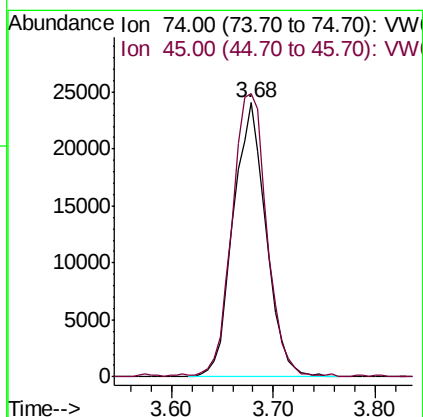
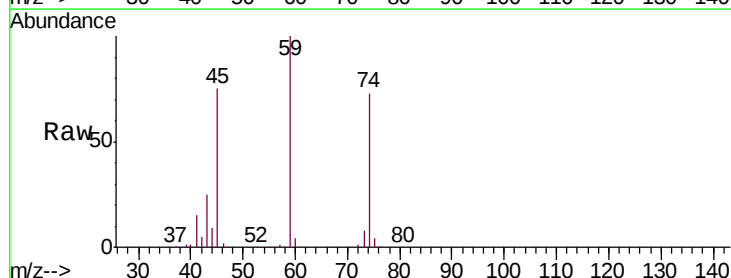
Tgt Ion:101 Resp: 60048
 Ion Ratio Lower Upper
 101 100
 103 63.1 50.7 76.1

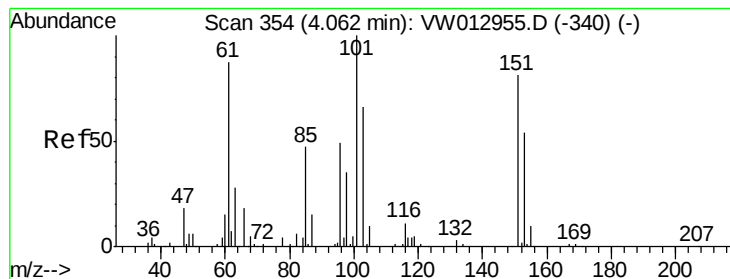


#8

Diethyl Ether
 Concen: 49.721 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Tgt Ion: 74 Resp: 53488
 Ion Ratio Lower Upper
 74 100
 45 107.8 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.112 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

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VSTDCCC050EC

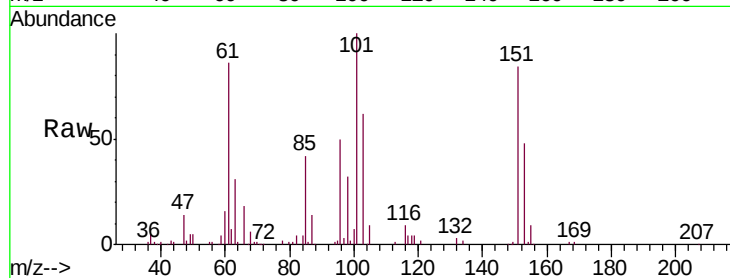
Tgt Ion:101 Resp: 96354

Ion Ratio Lower Upper

101 100

85 43.7 34.9 52.3

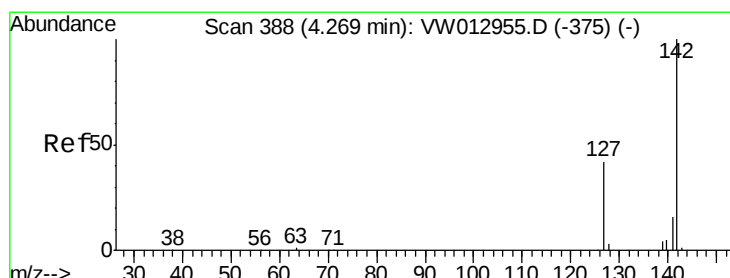
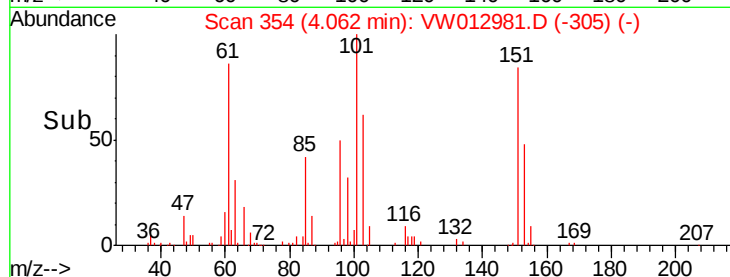
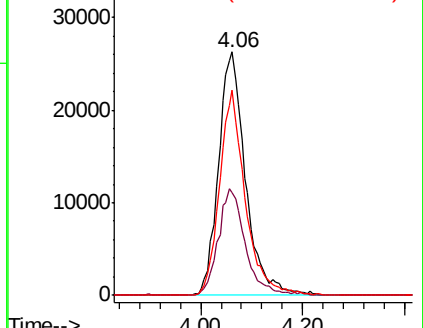
151 80.2 66.0 99.0



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: 49.466 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

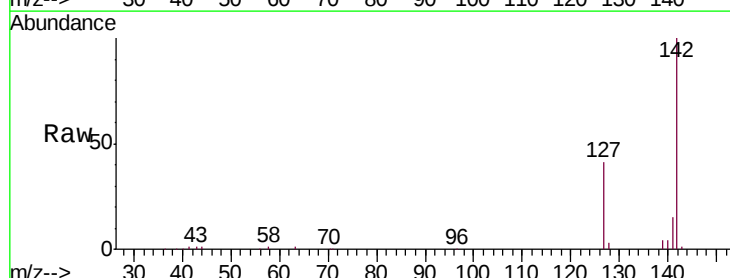
Tgt Ion:142 Resp: 129358

Ion Ratio Lower Upper

142 100

127 43.4 34.7 52.1

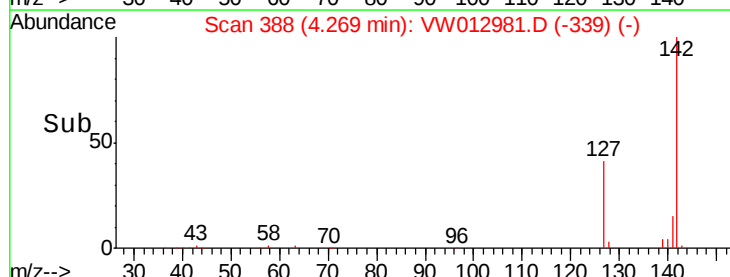
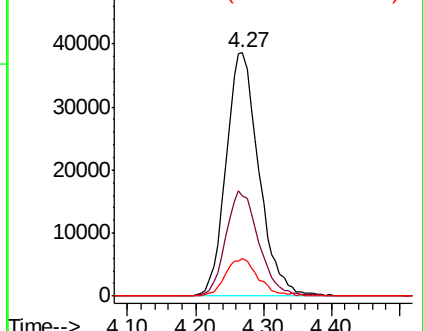
141 15.5 12.2 18.2

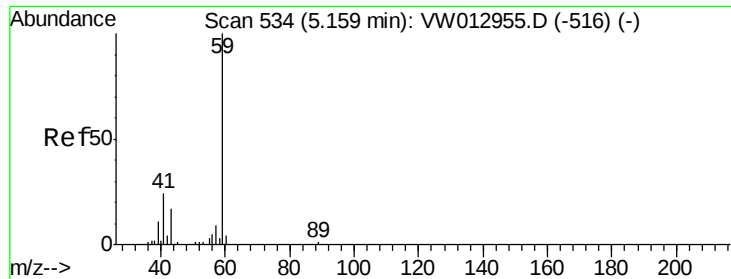


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

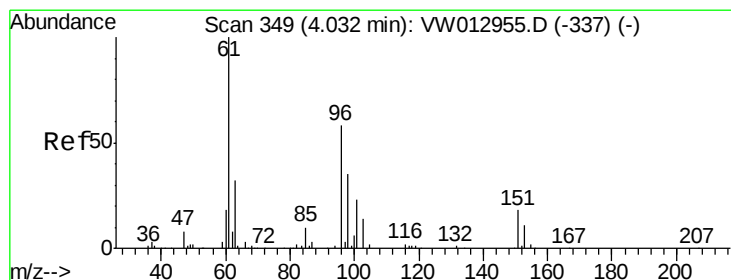
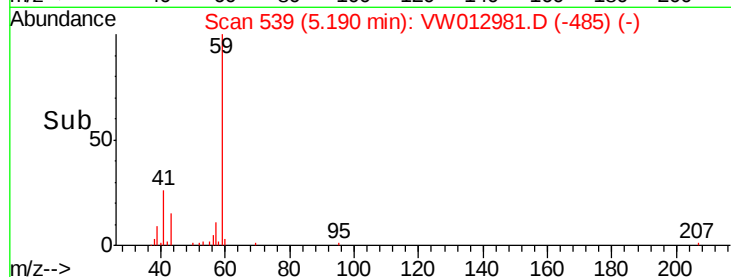
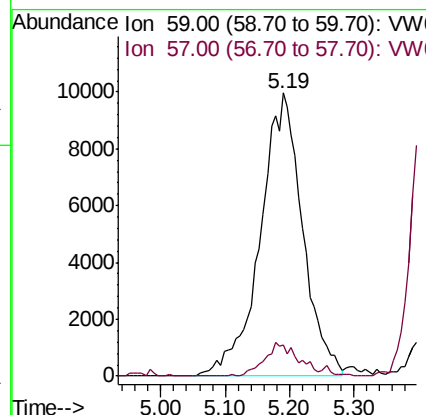
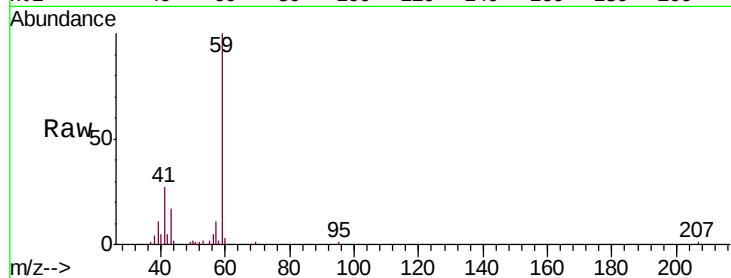




#11
Tert butyl alcohol
Concen: 266.581 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.03 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

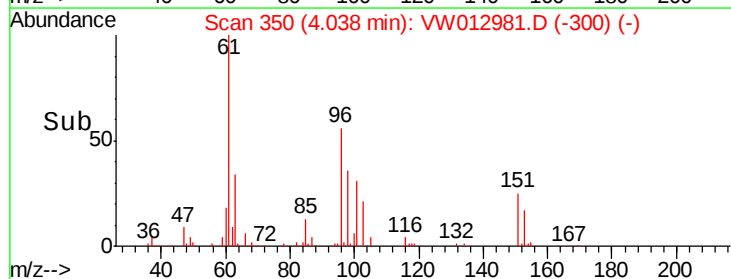
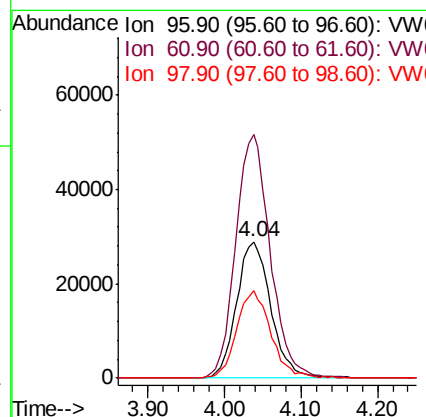
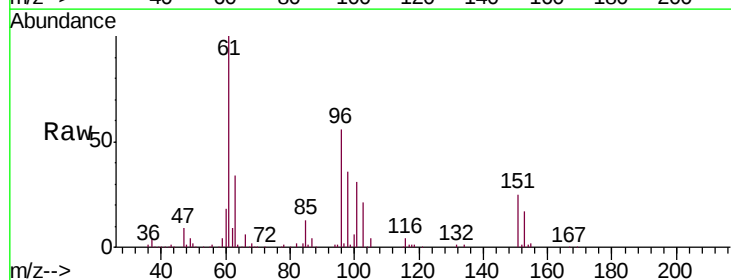
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

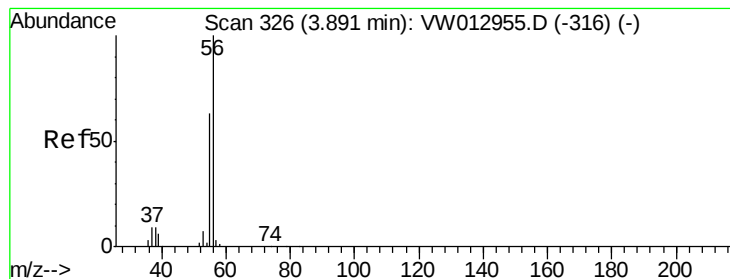
Tgt Ion: 59 Resp: 45503
Ion Ratio Lower Upper
59 100
57 9.1 8.5 12.7



#12
1,1-Dichloroethene
Concen: 47.246 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 96 Resp: 89765
Ion Ratio Lower Upper
96 100
61 178.4 137.9 206.9
98 64.5 48.9 73.3





#13

Acrolein

Concen: 247.762 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

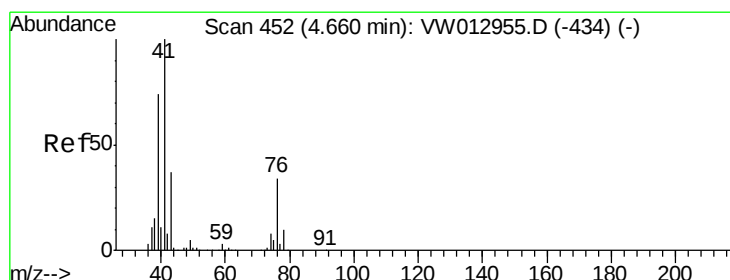
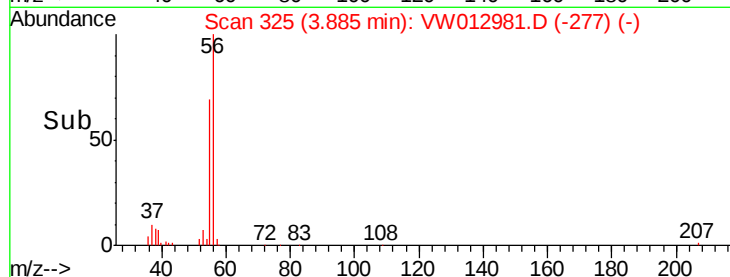
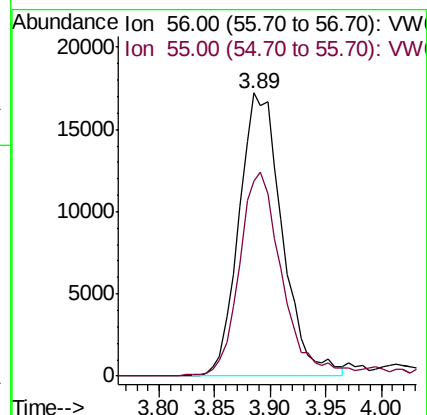
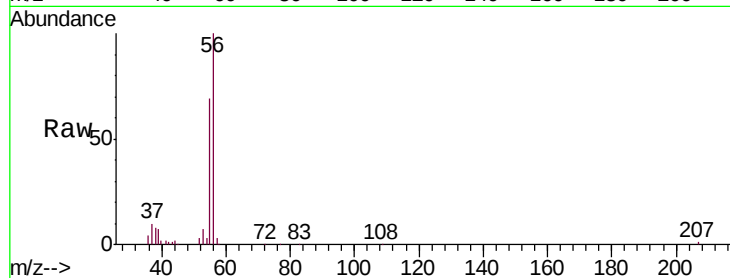
VSTDCCC050EC

Tgt Ion: 56 Resp: 46444

Ion Ratio Lower Upper

56 100

55 71.0 55.8 83.8



#14

Allyl chloride

Concen: 49.767 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

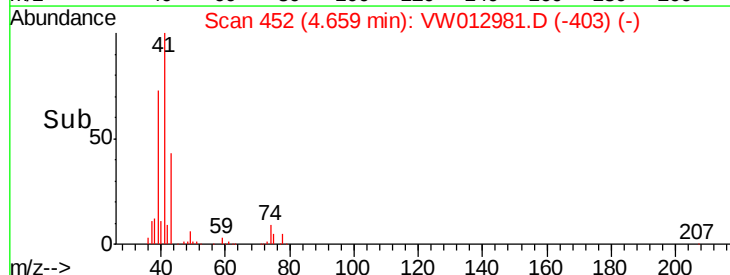
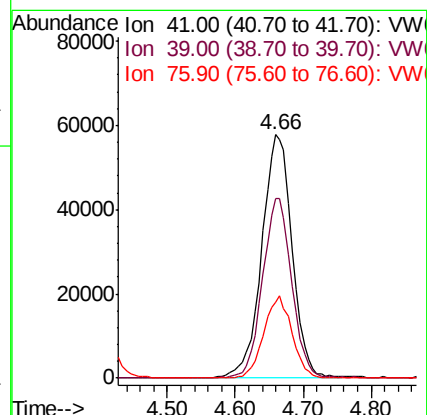
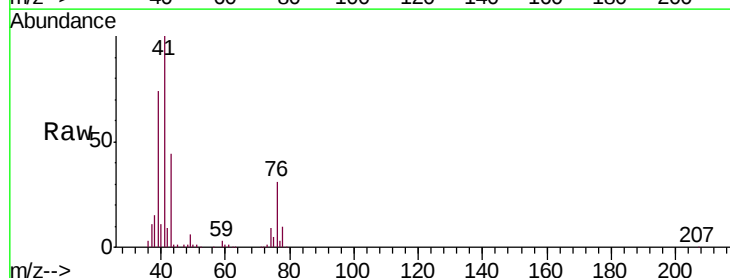
Tgt Ion: 41 Resp: 179505

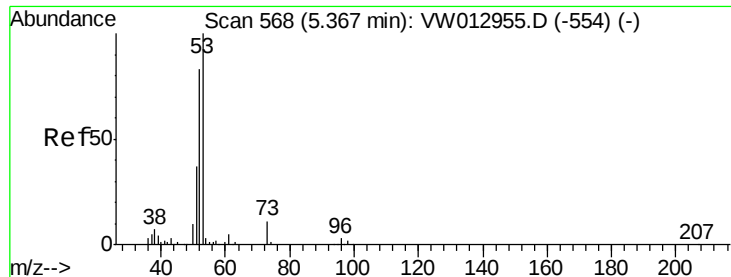
Ion Ratio Lower Upper

41 100

39 71.2 56.7 85.1

76 31.3 25.1 37.7





#15

Acrylonitrile

Concen: 261.281 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

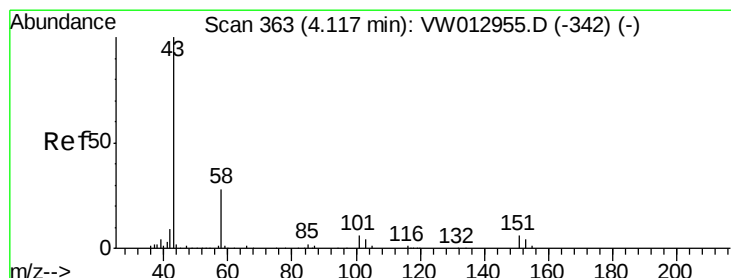
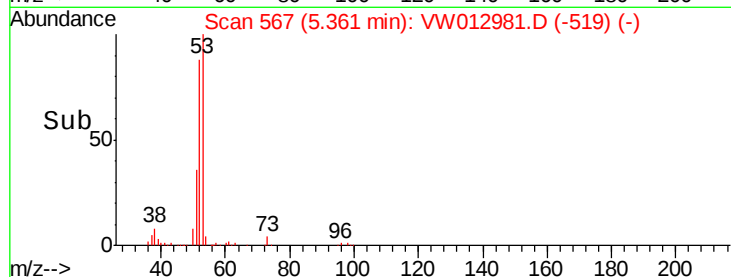
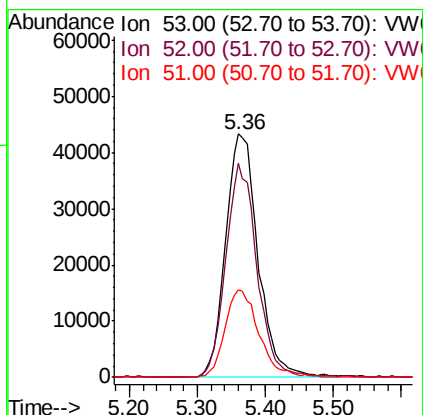
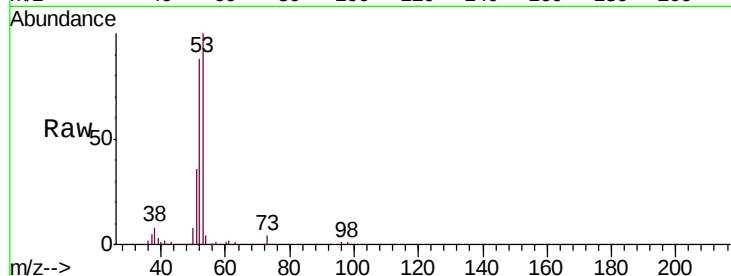
Tgt Ion: 53 Resp: 143560

Ion Ratio Lower Upper

53 100

52 84.5 66.6 100.0

51 37.6 29.8 44.8



#16

Acetone

Concen: 214.750 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012981.D

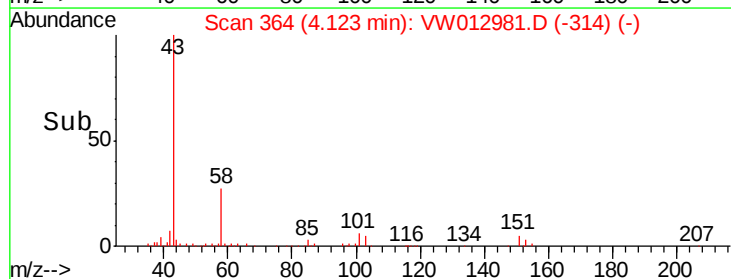
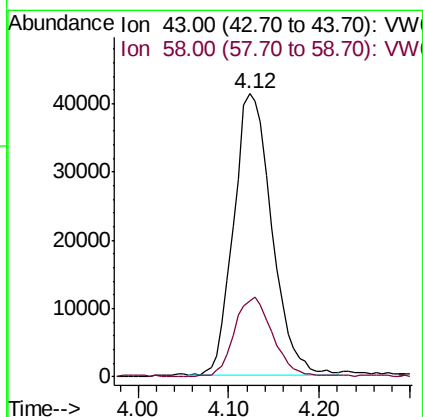
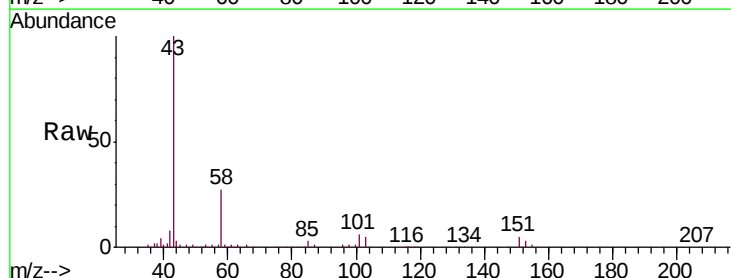
Acq: 14 Sep 2019 03:51

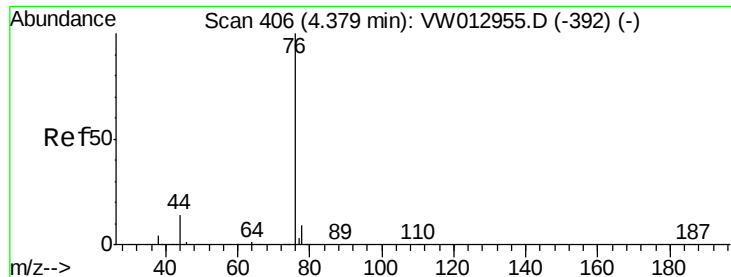
Tgt Ion: 43 Resp: 119980

Ion Ratio Lower Upper

43 100

58 26.9 22.3 33.5

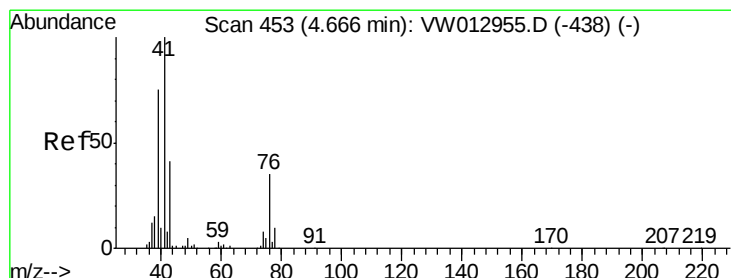
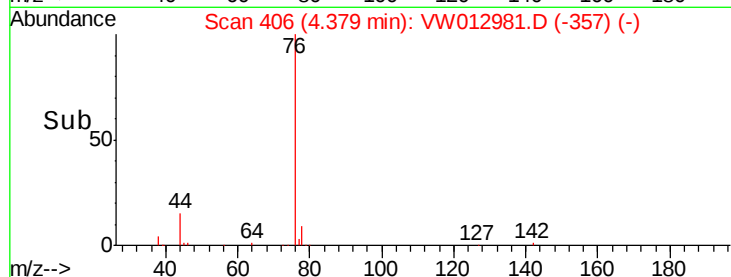
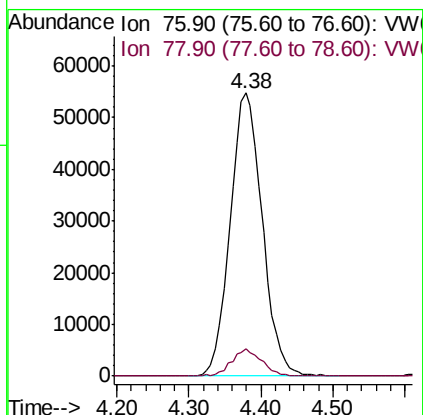
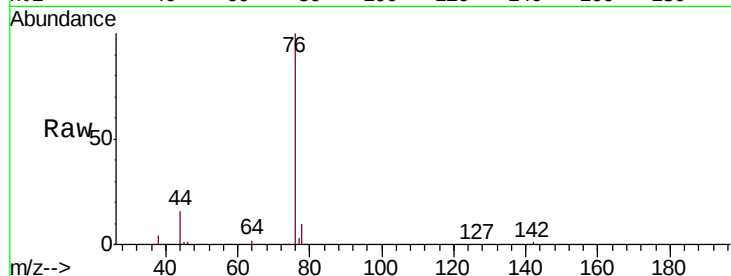




#17
Carbon Disulfide
Concen: 44.762 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

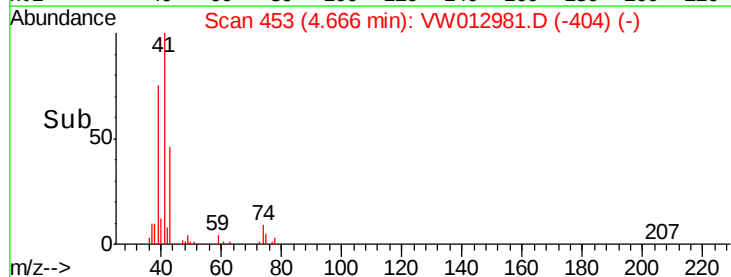
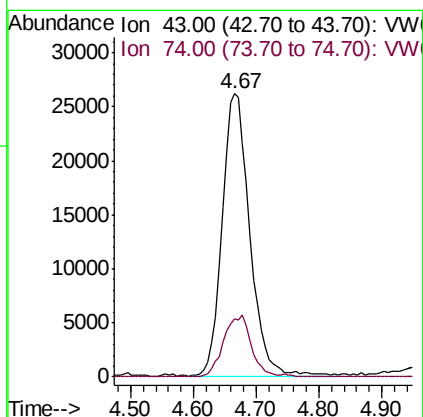
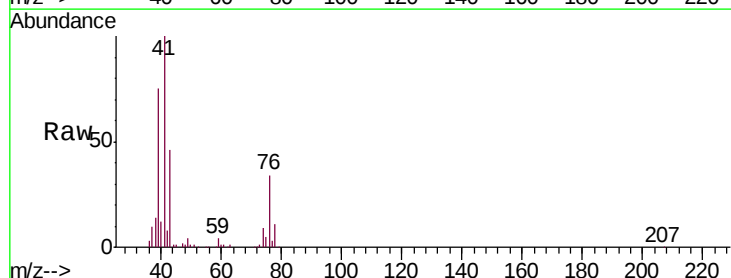
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

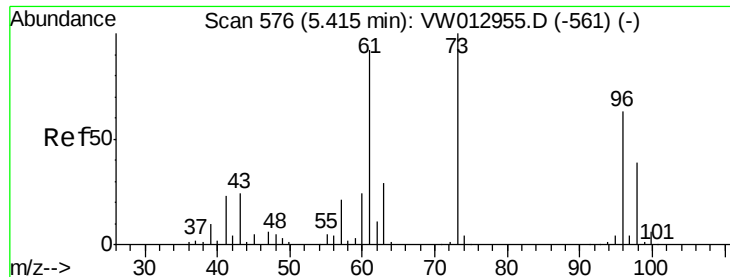
Tgt Ion: 76 Resp: 169480
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.4



#18
Methyl Acetate
Concen: 54.730 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 43 Resp: 79266
Ion Ratio Lower Upper
43 100
74 21.9 17.8 26.8

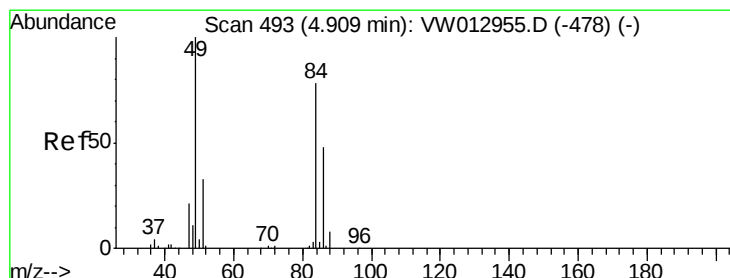
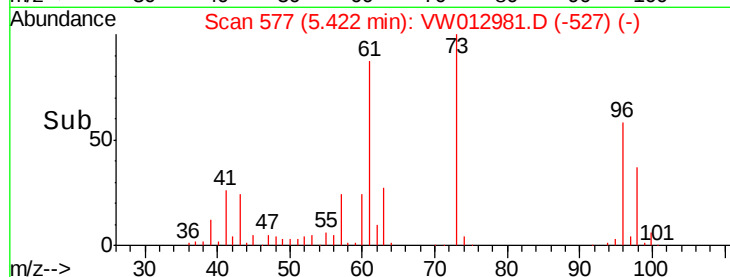
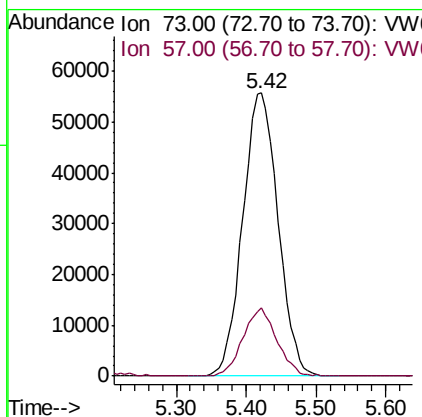
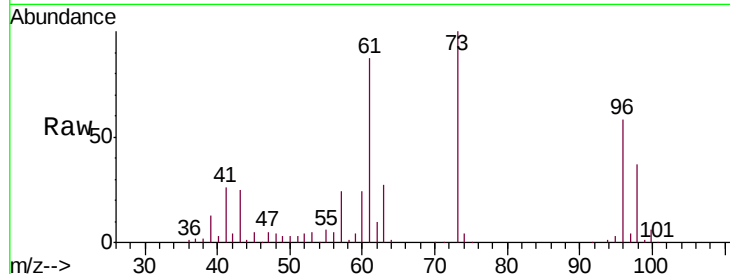




#19
Methyl tert-butyl Ether
Concen: 51.992 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

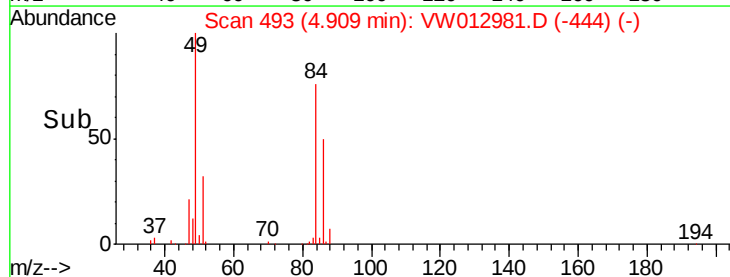
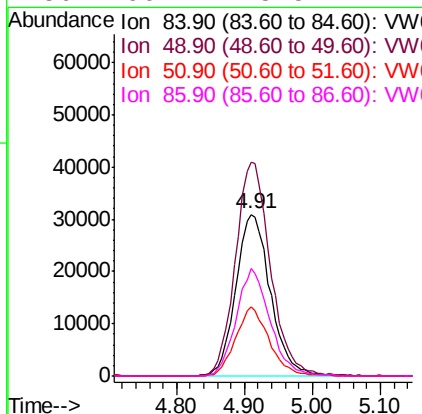
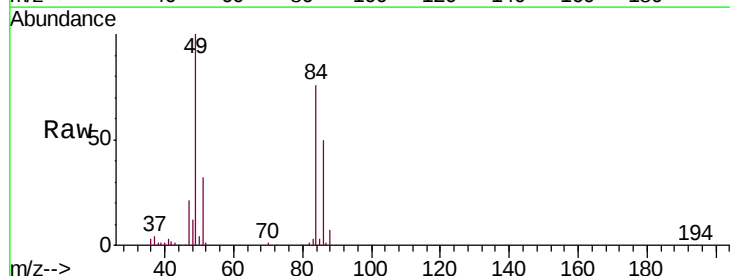
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

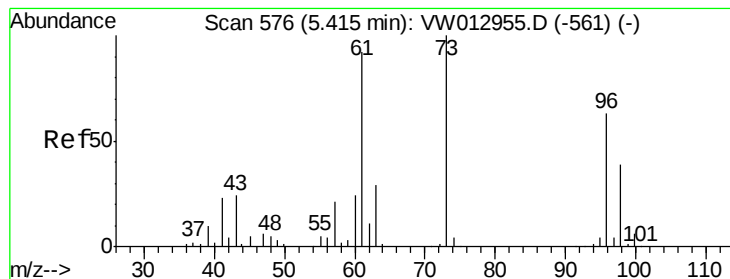
Tgt Ion: 73 Resp: 194993
Ion Ratio Lower Upper
73 100
57 24.0 16.4 24.6



#20
Methylene Chloride
Concen: 53.623 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 84 Resp: 109357
Ion Ratio Lower Upper
84 100
49 131.9 102.0 153.0
51 42.4 34.0 51.0
86 66.2 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 48.577 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

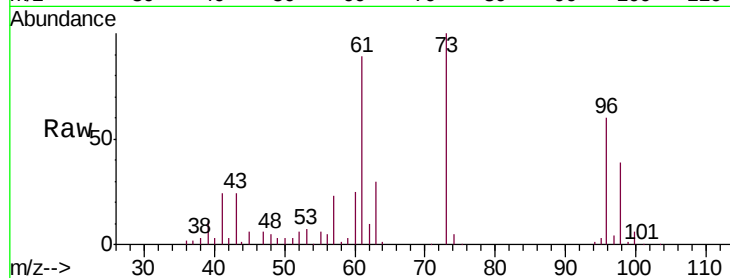
Tgt Ion: 96 Resp: 98850

Ion Ratio Lower Upper

96 100

61 149.5 116.2 174.2

98 64.8 49.8 74.6

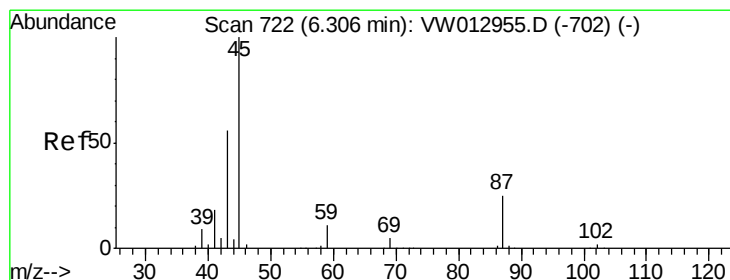
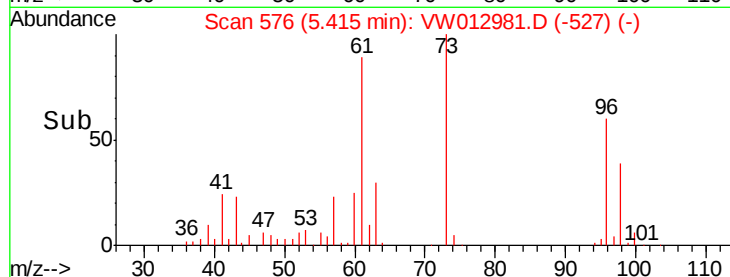
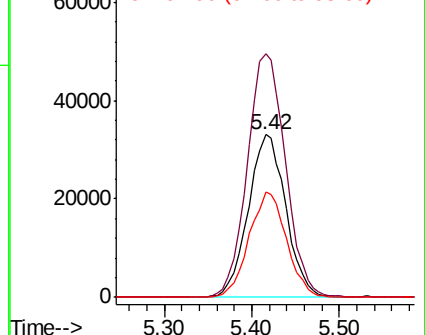


Abundance

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: 52.464 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Tgt Ion: 45 Resp: 393121

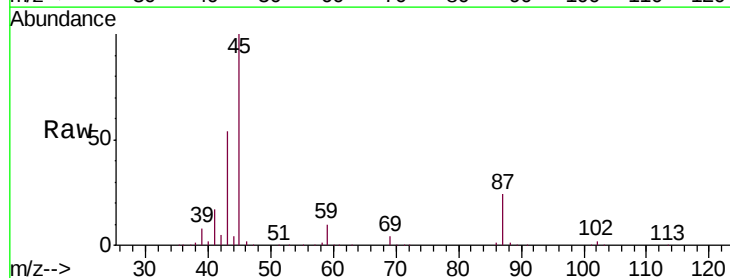
Ion Ratio Lower Upper

45 100

43 53.8 44.6 67.0

87 23.7 20.0 30.0

59 10.2 8.7 13.1



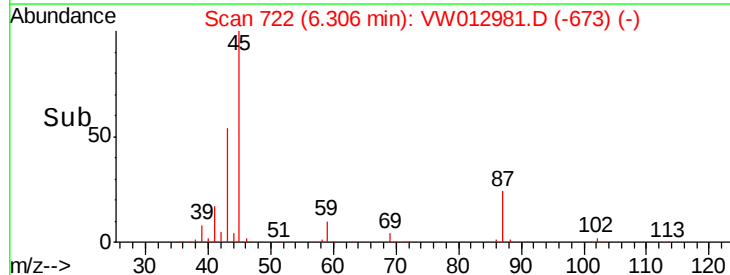
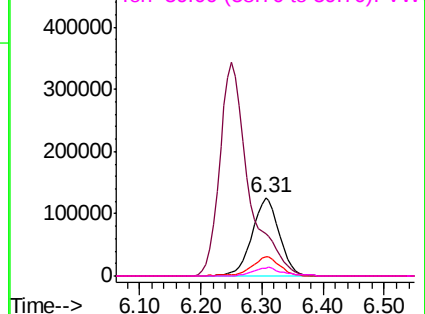
Abundance

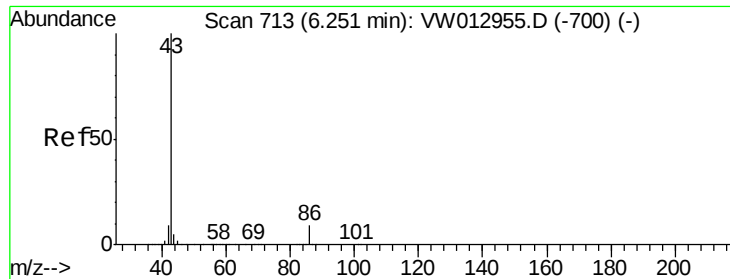
Ion 45.00 (44.70 to 45.70): VW

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

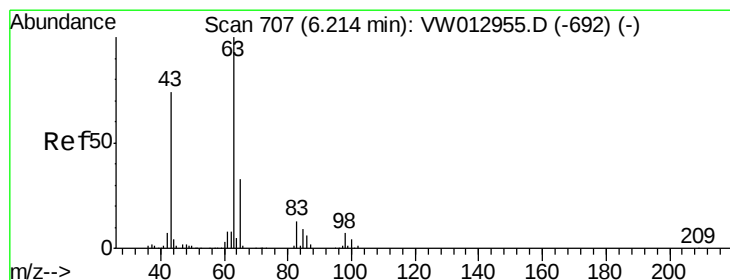
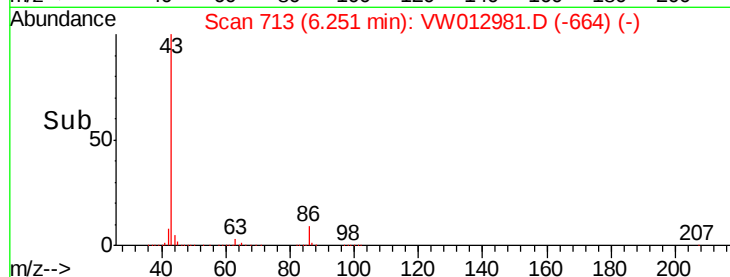
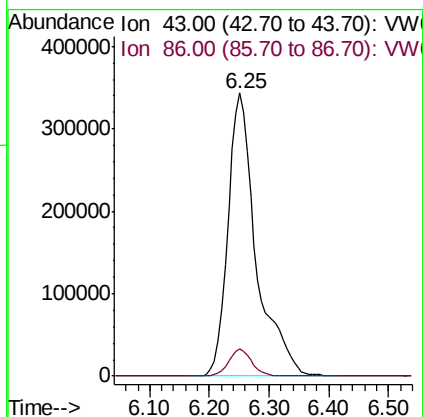
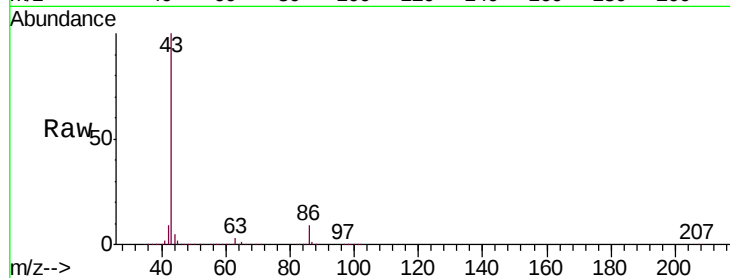




#23
 Vinyl Acetate
 Concen: 252.431 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

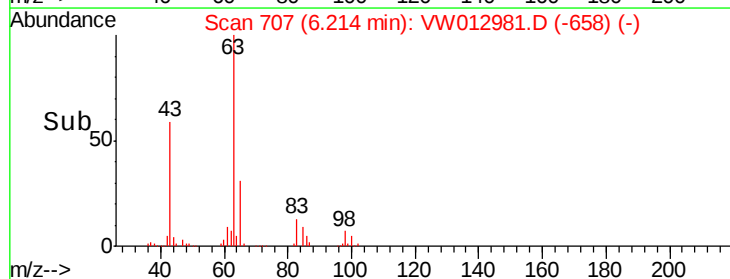
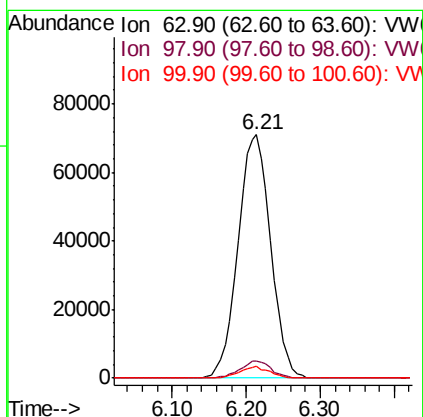
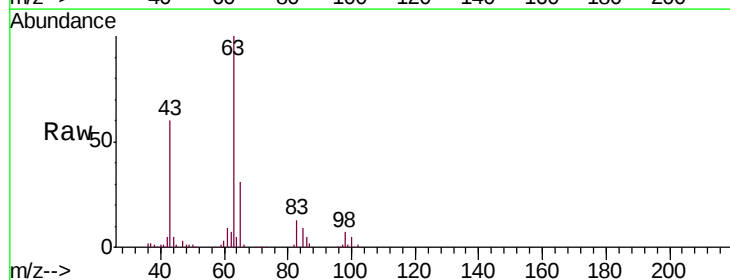
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

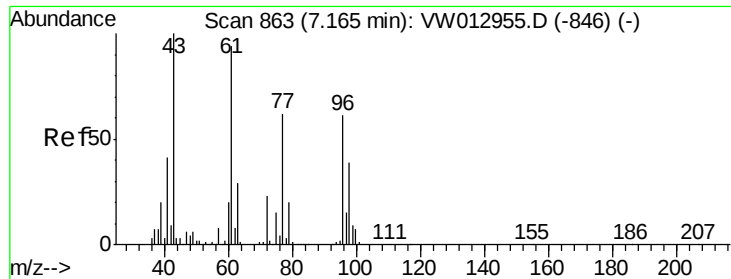
Tgt Ion: 43 Resp: 1132896
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 50.430 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Tgt Ion: 63 Resp: 217874
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.8 1.8 5.5

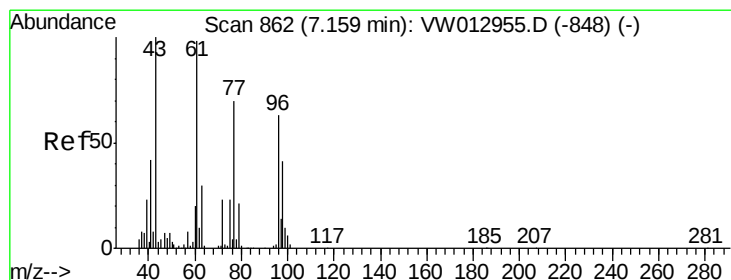
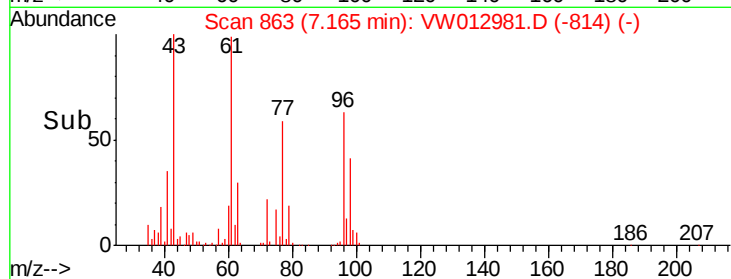
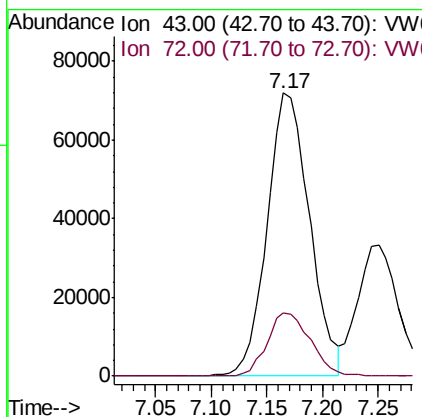
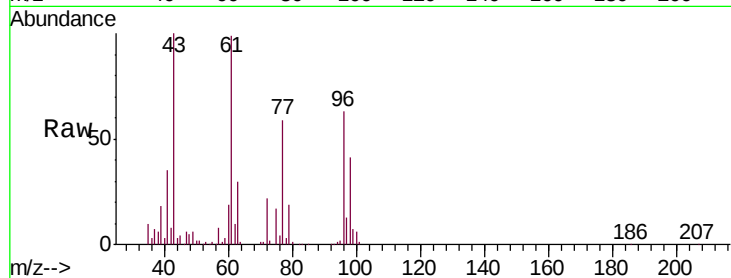




#25
2-Butanone
Concen: 236.051 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

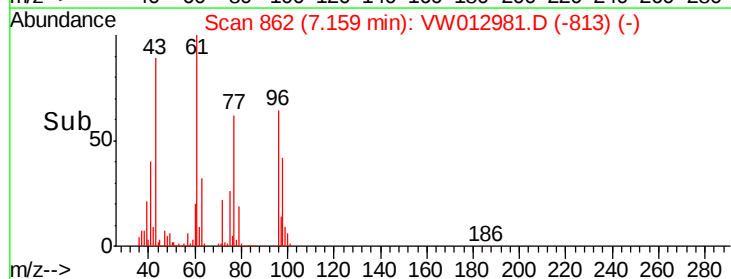
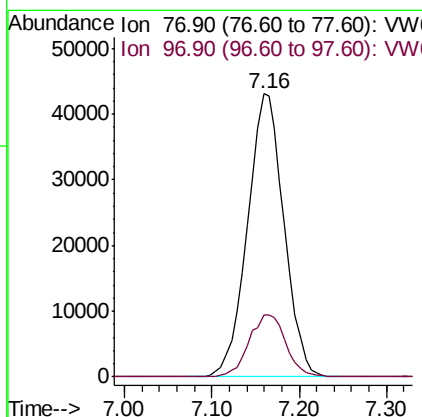
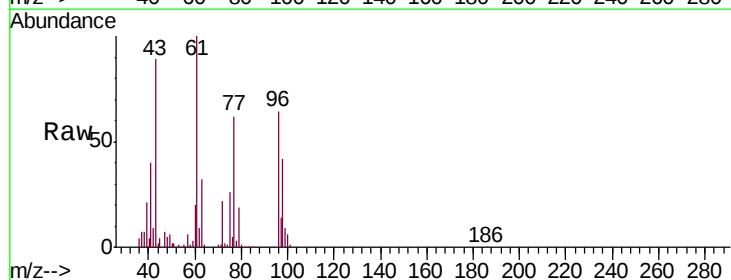
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

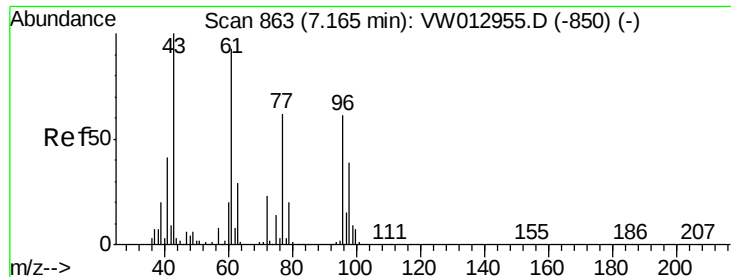
Tgt Ion: 43 Resp: 190810
Ion Ratio Lower Upper
43 100
72 22.4 18.2 27.4



#26
2,2-Dichloropropane
Concen: 45.101 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 77 Resp: 124824
Ion Ratio Lower Upper
77 100
97 22.2 10.7 32.1



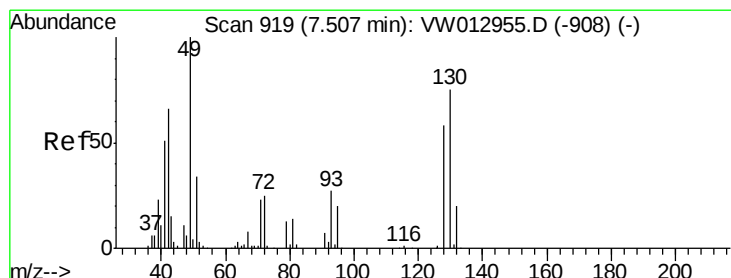
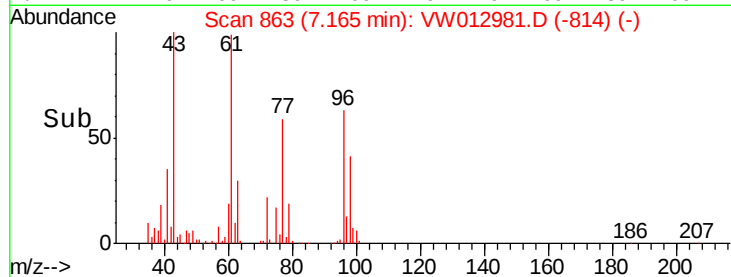
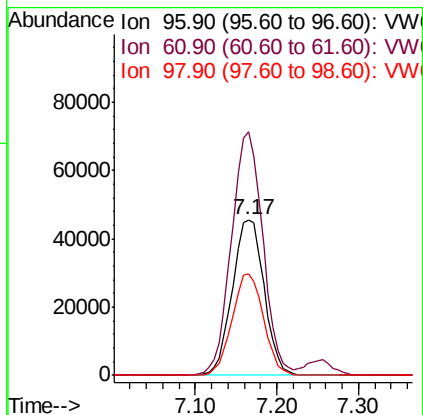
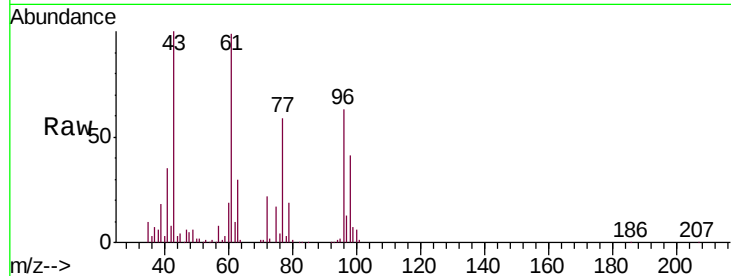


#27

cis-1,2-Dichloroethene
Concen: 50.440 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

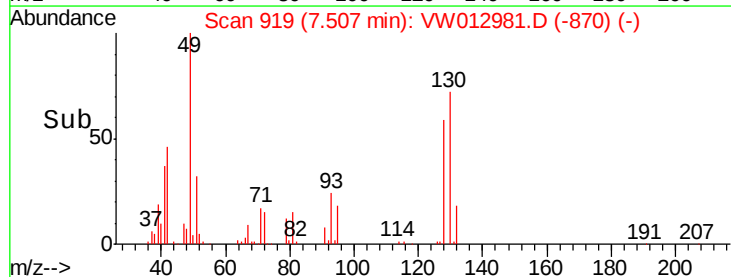
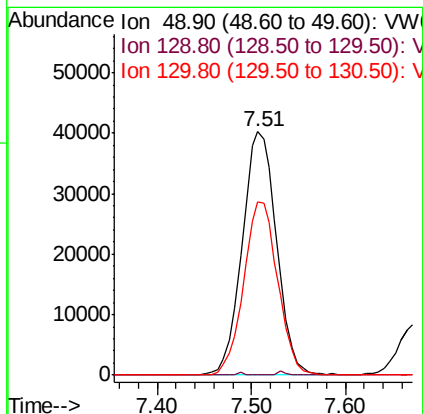
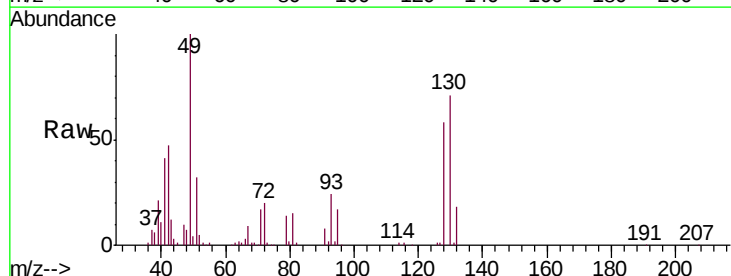
Tgt Ion: 96 Resp: 122884
Ion Ratio Lower Upper
96 100
61 154.2 0.0 315.4
98 64.5 0.0 131.0

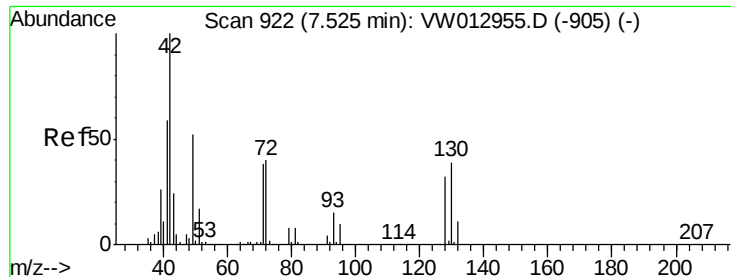


#28

Bromochloromethane
Concen: 56.431 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 49 Resp: 102614
Ion Ratio Lower Upper
49 100
129 0.2 0.0 1.4
130 70.6 57.8 86.6

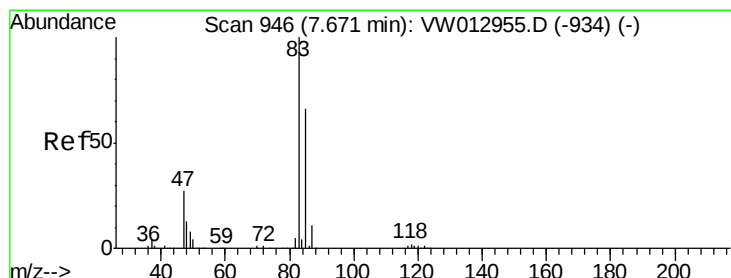
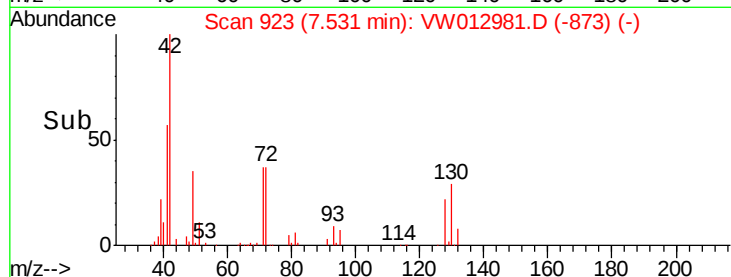
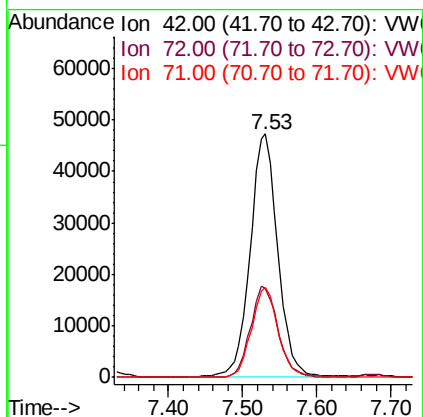
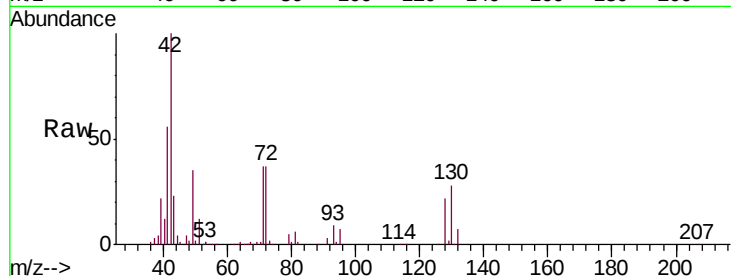




#29
Tetrahydrofuran
Concen: 268.429 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

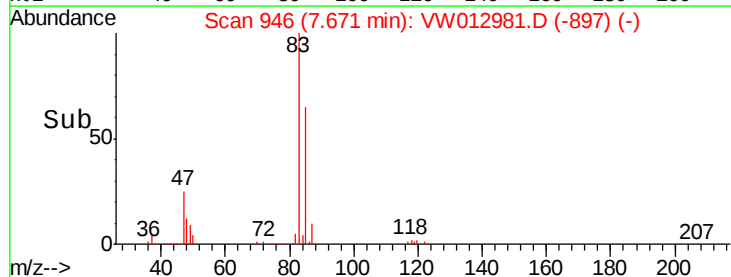
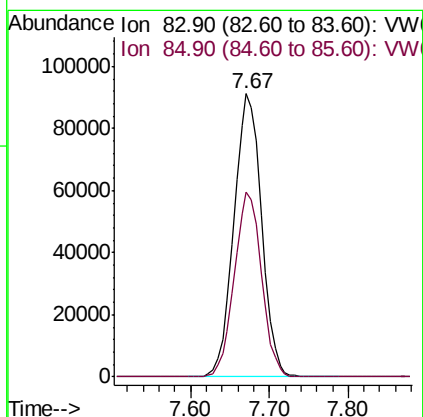
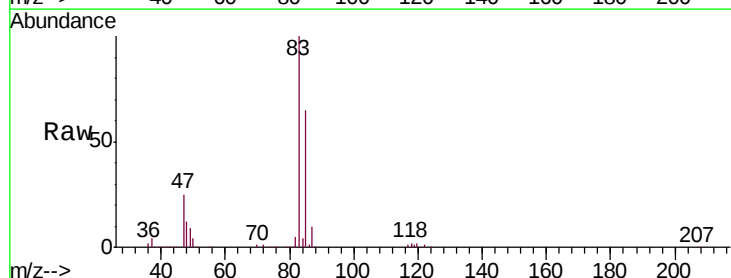
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

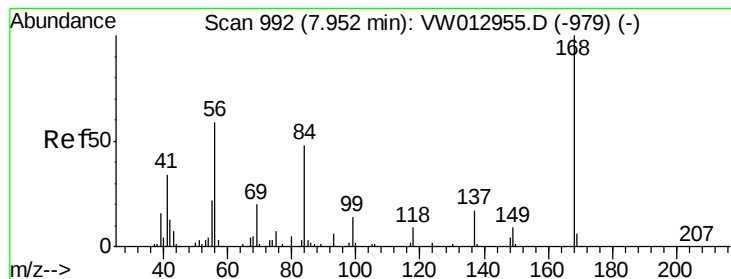
Tgt Ion: 42 Resp: 123633
Ion Ratio Lower Upper
42 100
72 37.3 31.4 47.0
71 35.6 29.8 44.8



#30
Chloroform
Concen: 50.489 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 83 Resp: 221636
Ion Ratio Lower Upper
83 100
85 65.2 52.8 79.2





#31

Cyclohexane

Concen: 48.868 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

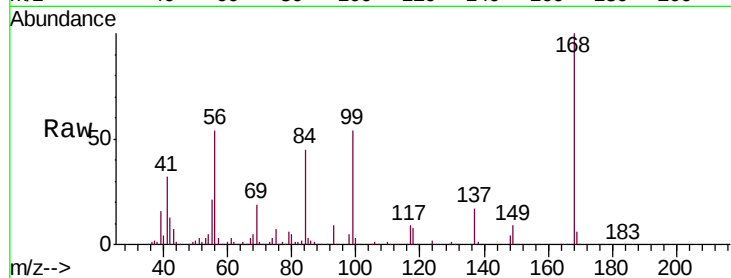
Tgt Ion: 56 Resp: 158797

Ion Ratio Lower Upper

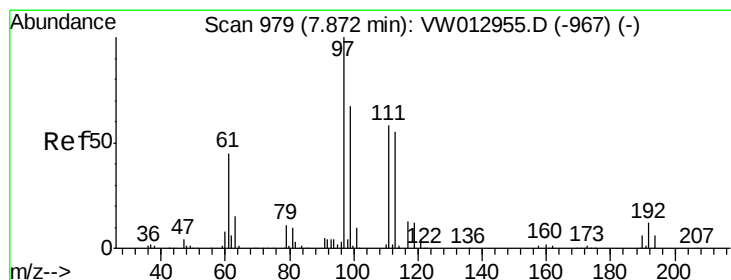
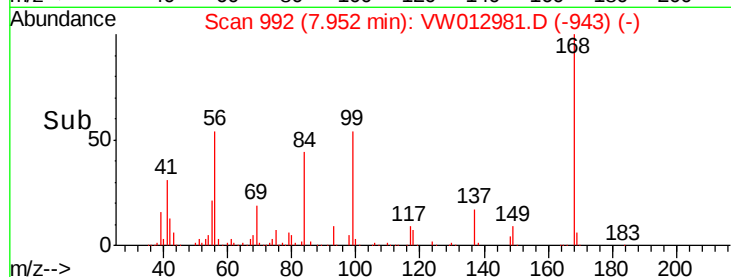
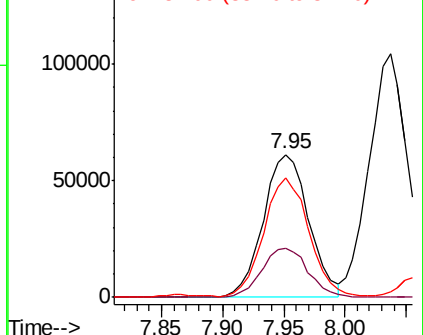
56 100

69 34.2 27.0 40.6

84 82.1 66.2 99.2



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: 48.055 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

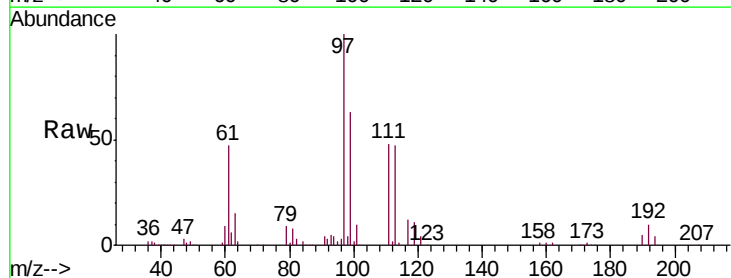
Tgt Ion: 97 Resp: 173721

Ion Ratio Lower Upper

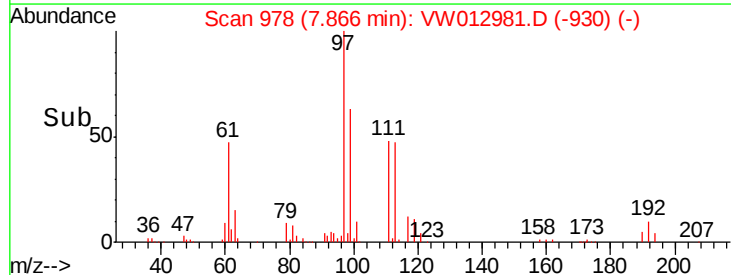
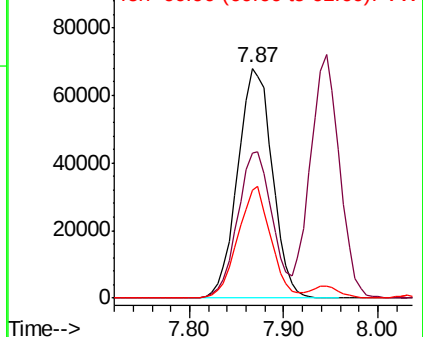
97 100

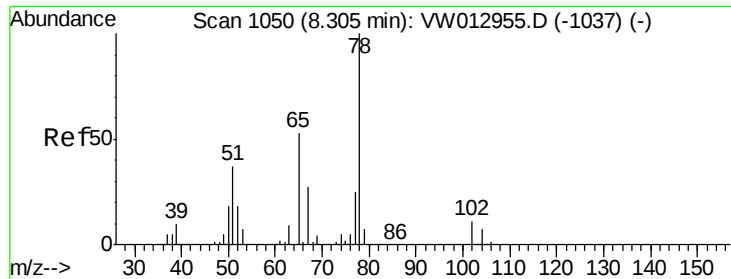
99 64.3 53.0 79.4

61 46.0 36.5 54.7



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: 57.491 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

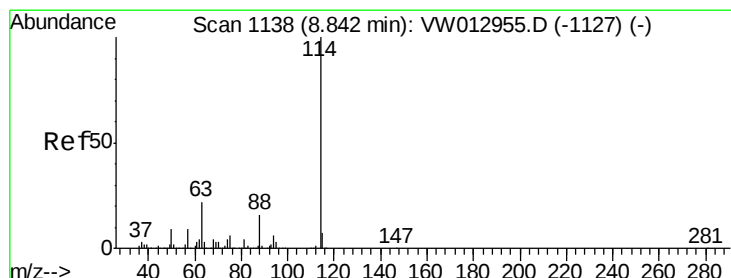
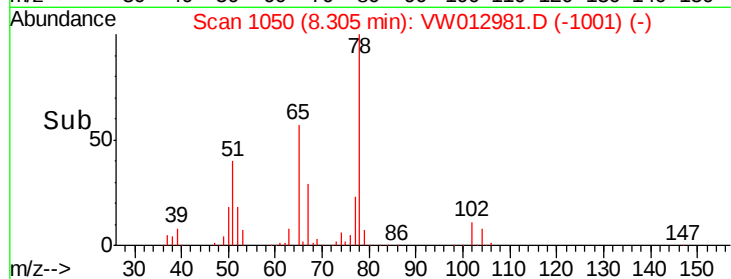
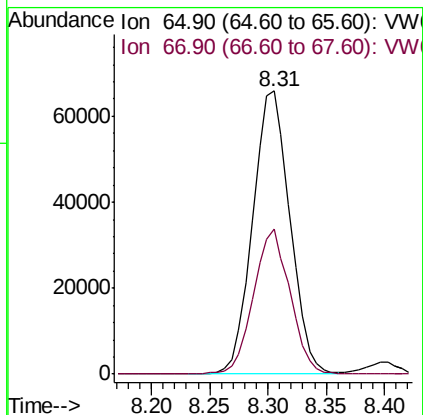
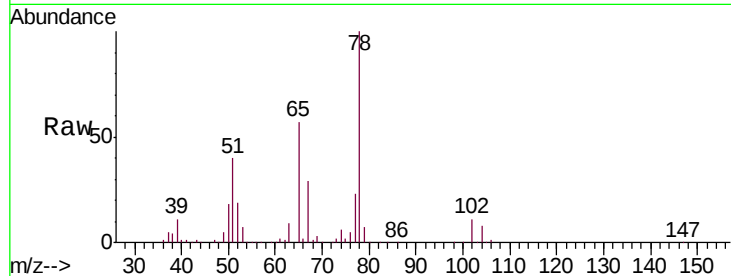
VSTDCCC050EC

Tgt Ion: 65 Resp: 146150

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

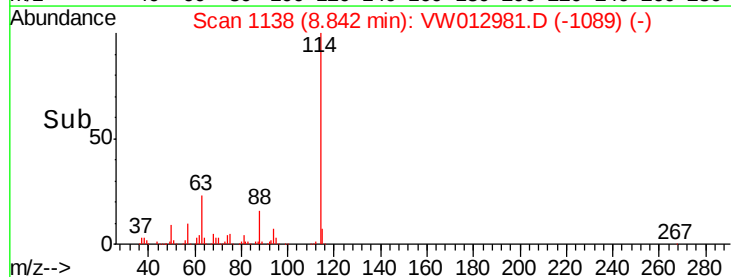
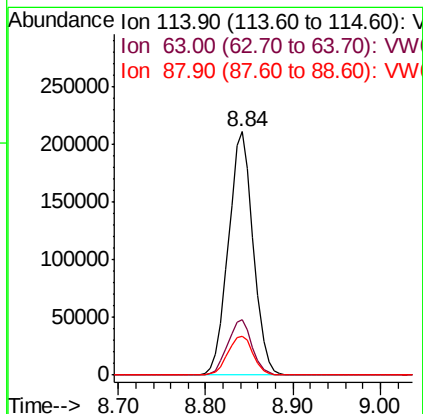
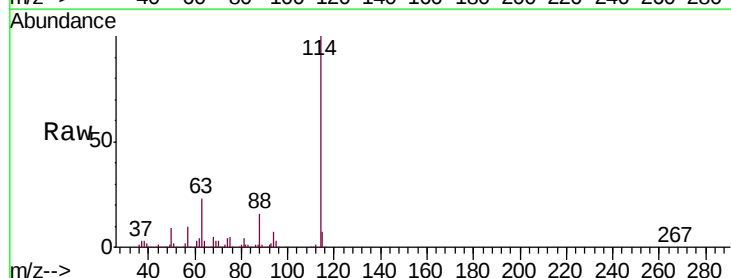
Tgt Ion: 114 Resp: 414598

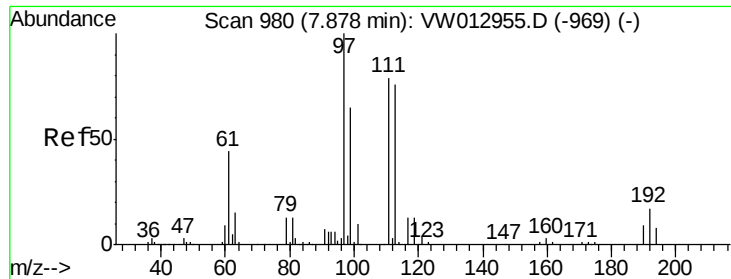
Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.4

88 15.9 0.0 31.6

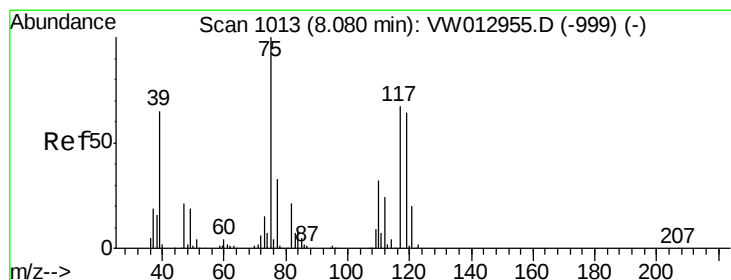
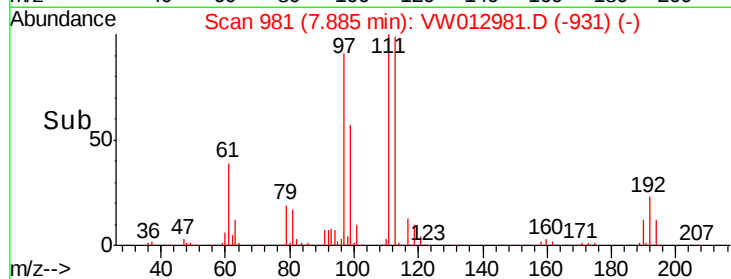
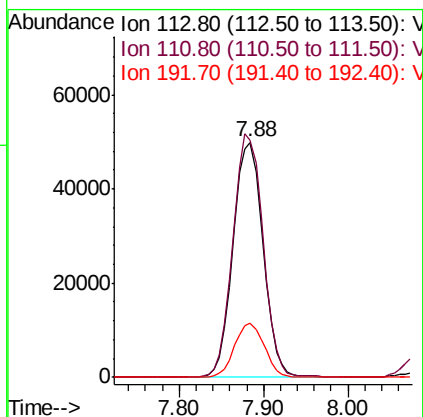
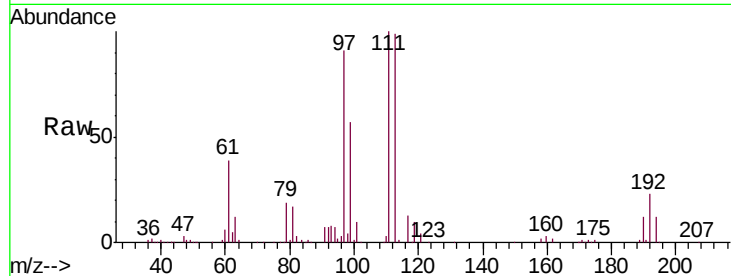




#35
 Dibromofluoromethane
 Concen: 53.471 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

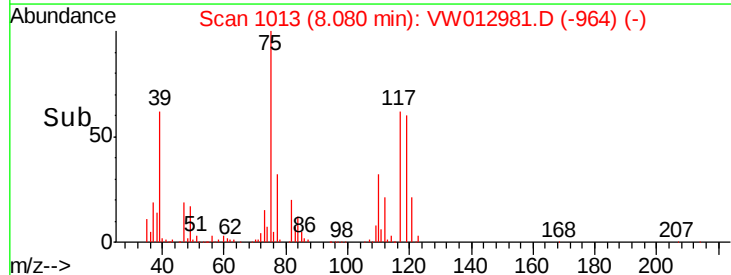
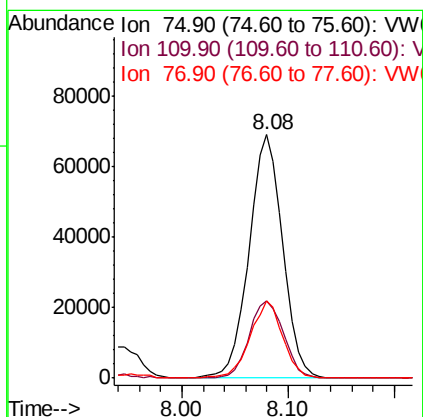
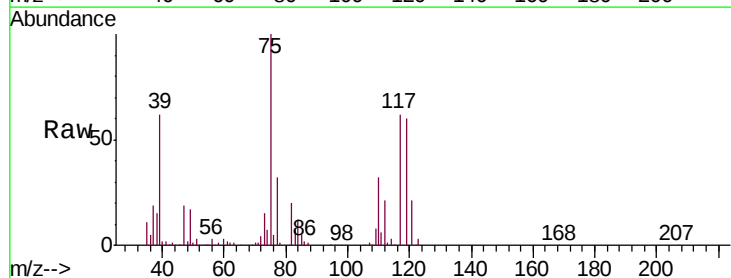
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

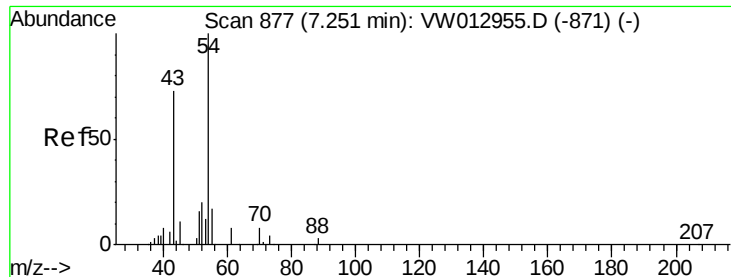
Tgt Ion:113 Resp: 120292
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.8 124.2
 192 22.6 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 45.959 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Tgt Ion: 75 Resp: 152261
 Ion Ratio Lower Upper
 75 100
 110 32.5 16.4 49.1
 77 31.0 25.1 37.7

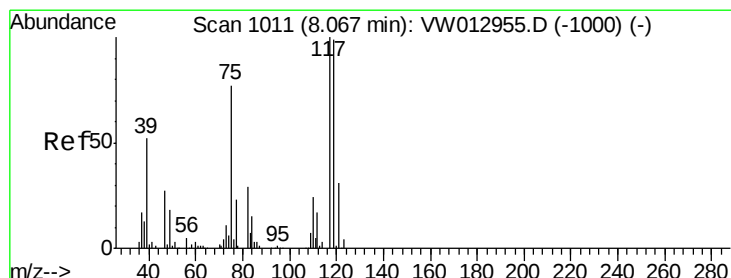
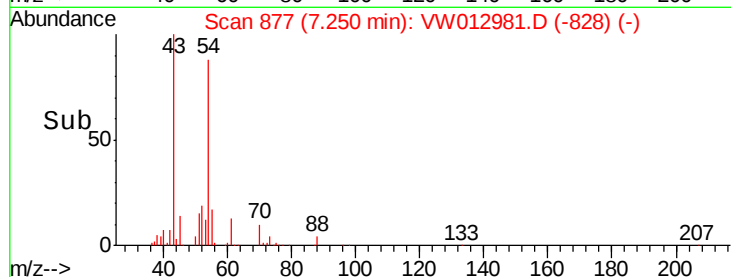
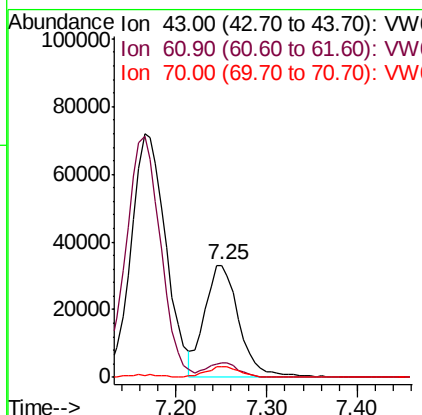
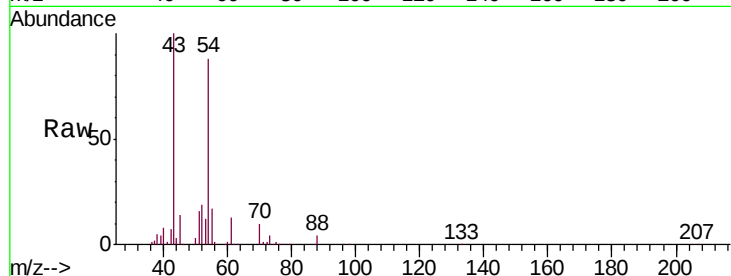




#37
Ethyl Acetate
Concen: 49.235 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

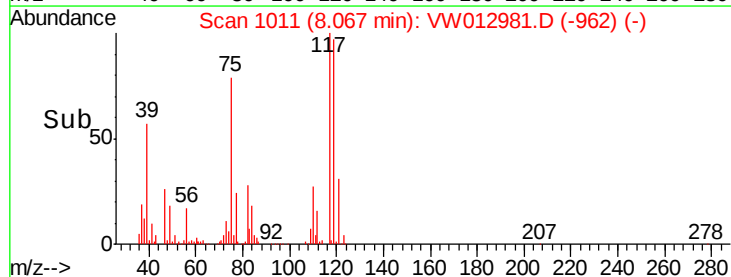
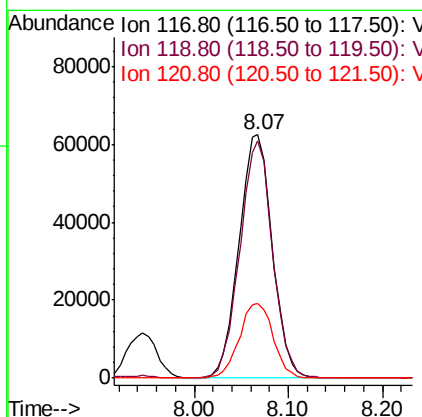
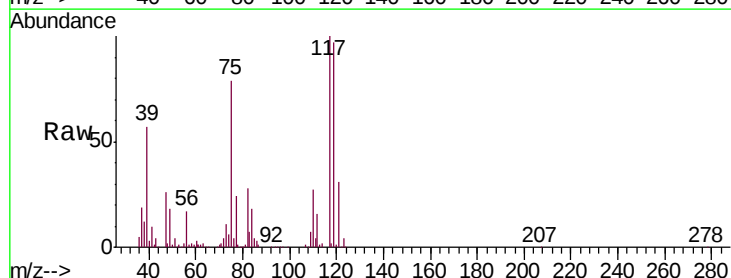
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

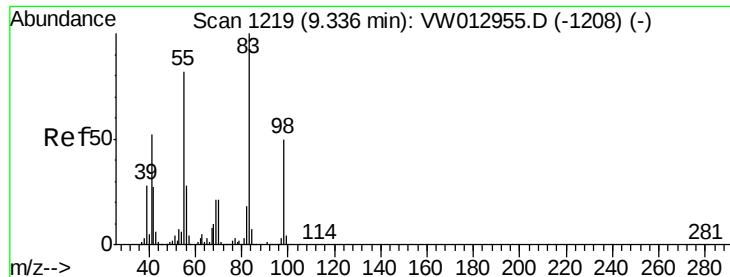
Tgt Ion: 43 Resp: 86579
Ion Ratio Lower Upper
43 100
61 12.8 9.6 14.4
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 45.517 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 117 Resp: 154534
Ion Ratio Lower Upper
117 100
119 97.2 79.4 119.0
121 30.7 24.6 36.8

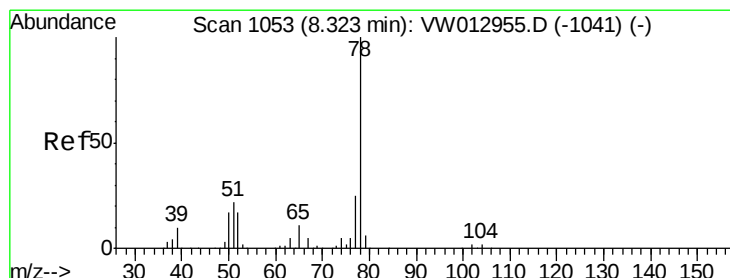
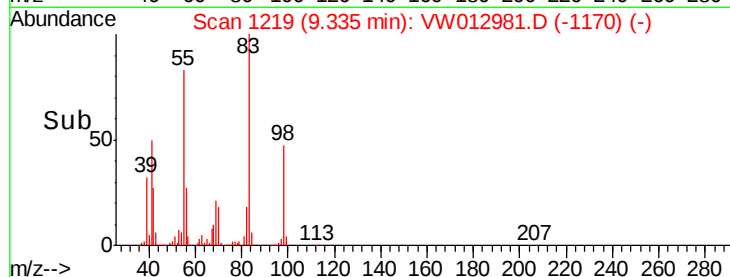
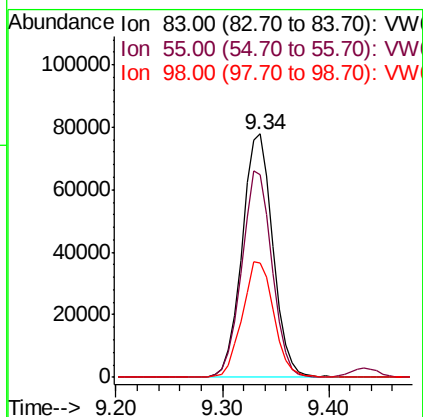
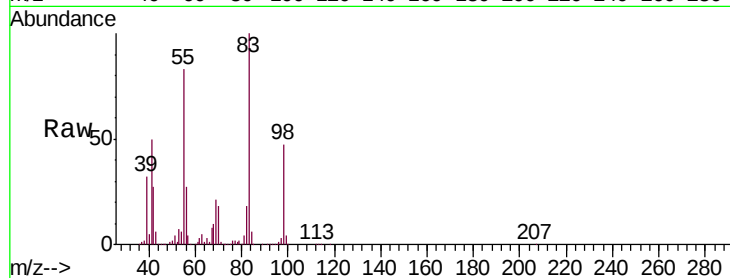




#39
Methylcyclohexane
Concen: 43.668 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

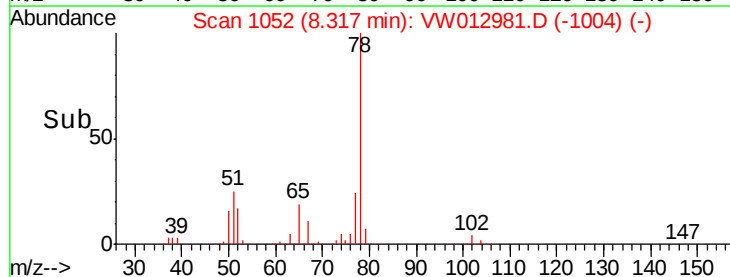
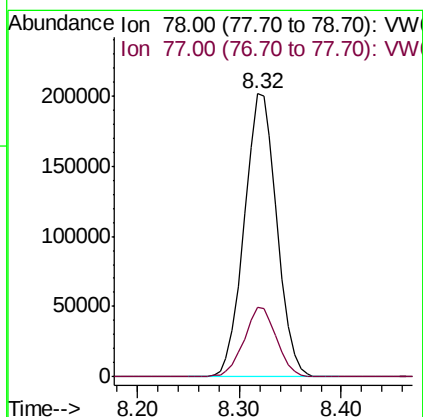
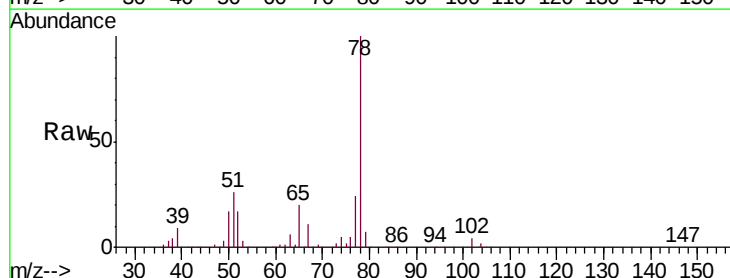
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 158528
Ion Ratio Lower Upper
83 100
55 83.1 65.9 98.9
98 47.2 39.6 59.4



#40
Benzene
Concen: 48.366 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 78 Resp: 447324
Ion Ratio Lower Upper
78 100
77 24.4 19.6 29.4





#41

Methacrylonitrile

Concen: 46.992 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 54418

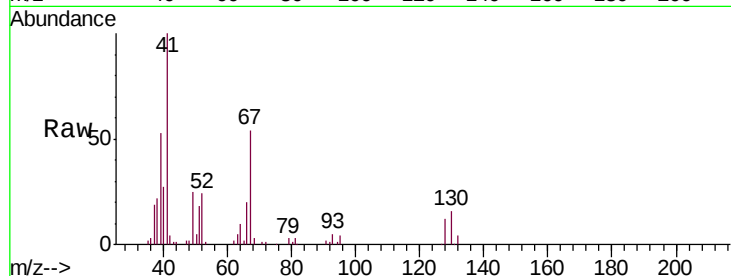
Ion Ratio Lower Upper

41 100

39 54.7 48.2 72.4

67 62.9 47.5 71.3

52 28.4 21.0 31.4



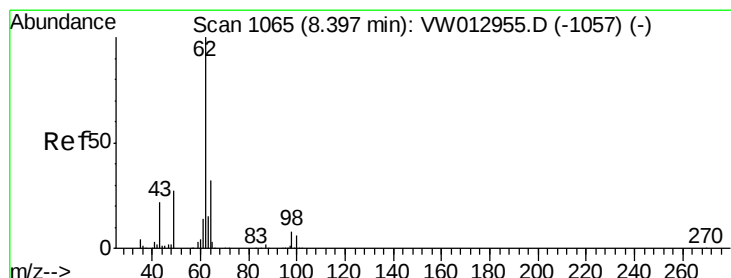
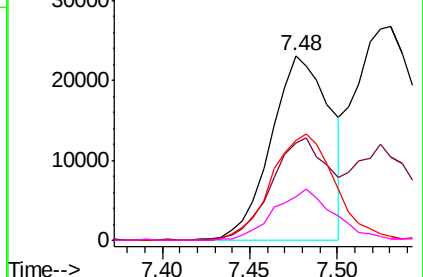
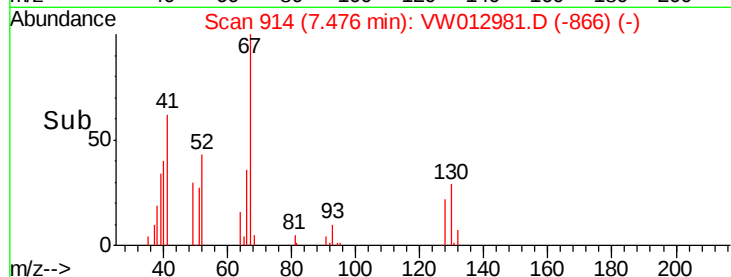
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

Time-->



#42

1,2-Dichloroethane

Concen: 49.088 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012981.D

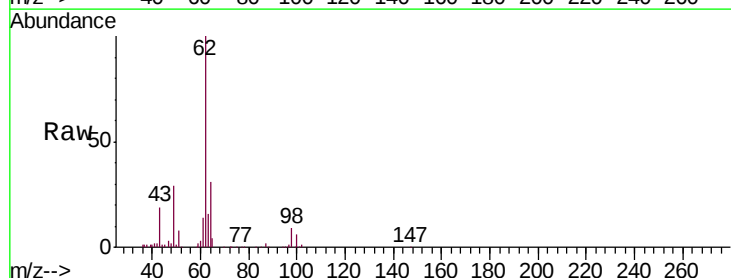
Acq: 14 Sep 2019 03:51

Tgt Ion: 62 Resp: 152190

Ion Ratio Lower Upper

62 100

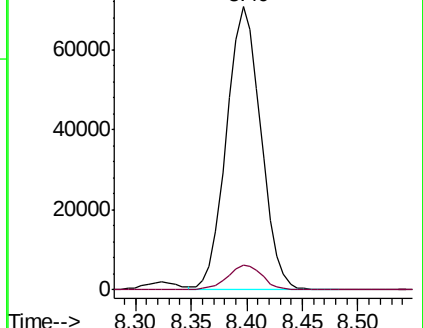
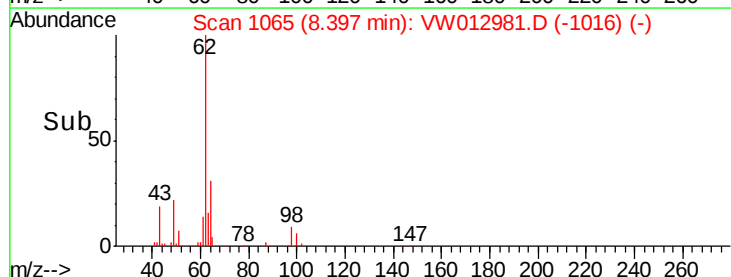
98 8.7 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

Time-->

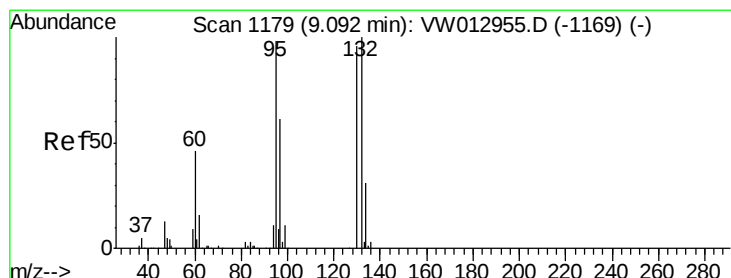
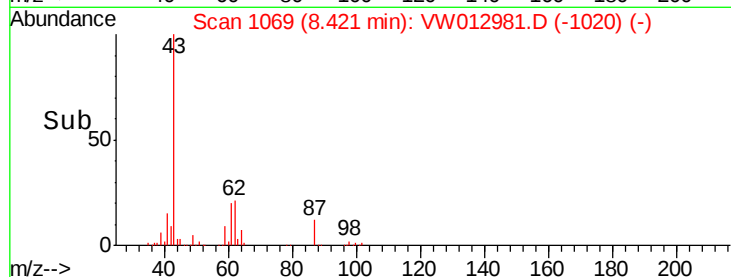
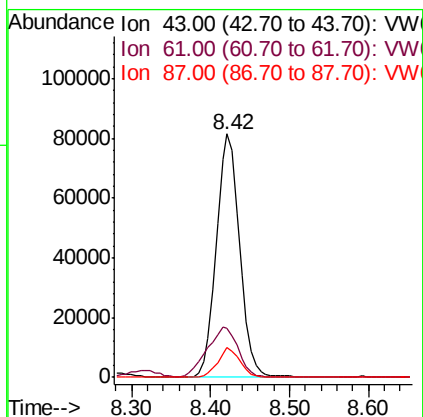
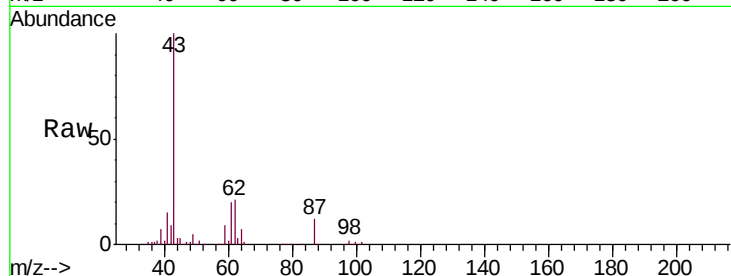




#43
Isopropyl Acetate
Concen: 49.461 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

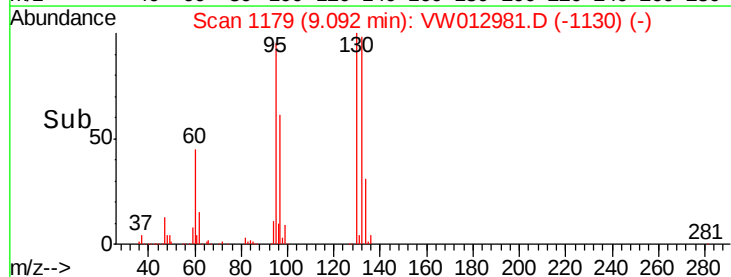
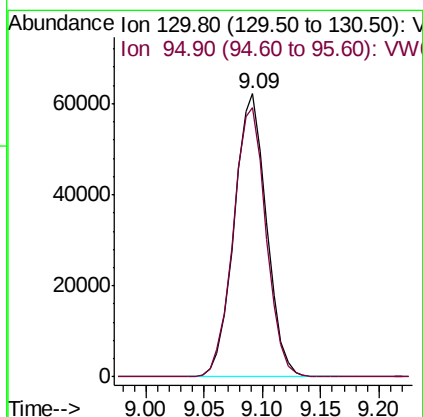
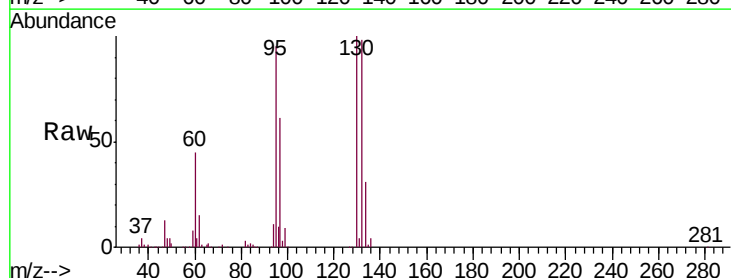
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

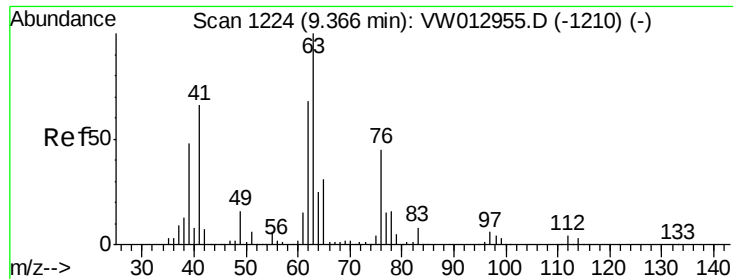
Tgt Ion: 43 Resp: 166998
Ion Ratio Lower Upper
43 100
61 27.7 22.7 34.1
87 11.7 9.4 14.2



#44
Trichloroethene
Concen: 47.485 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 130 Resp: 120295
Ion Ratio Lower Upper
130 100
95 95.1 0.0 204.4

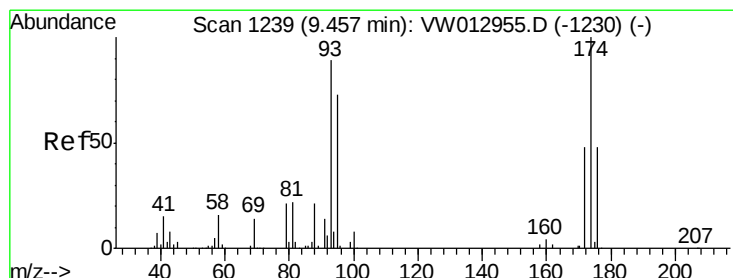
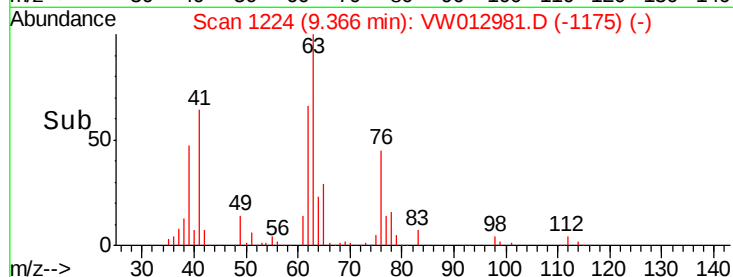
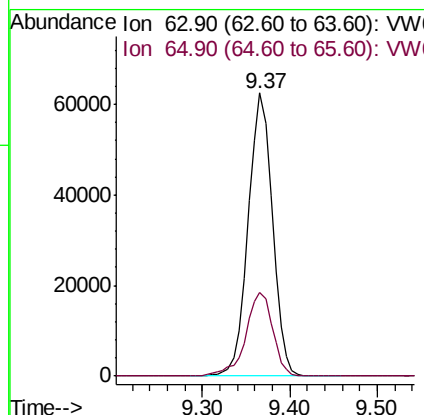
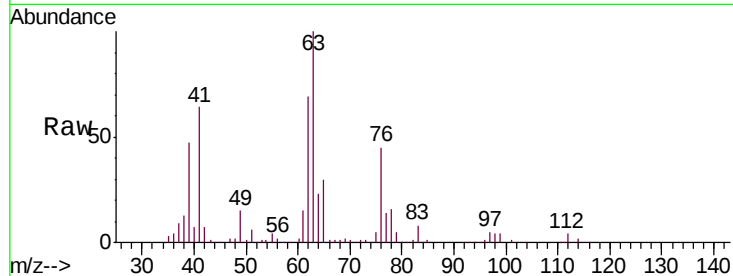




#45
 1,2-Dichloropropane
 Concen: 48.925 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

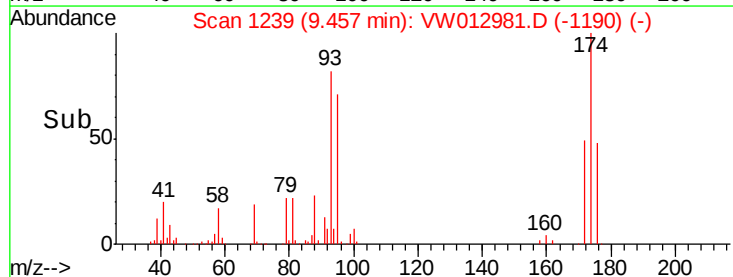
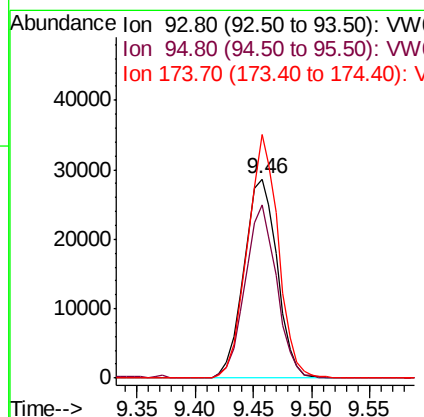
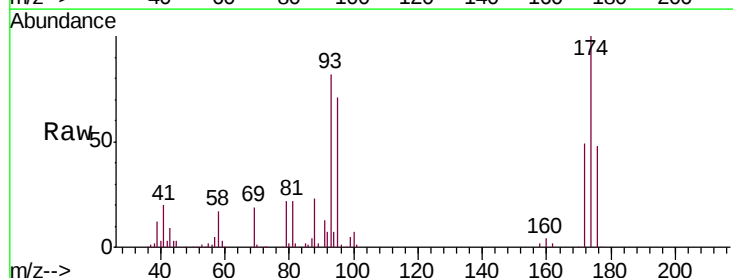
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

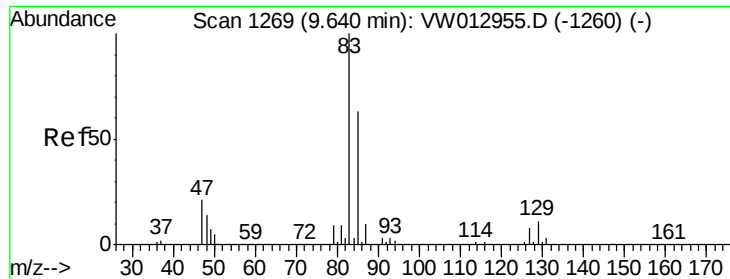
Tgt Ion: 63 Resp: 120221
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.6 37.0



#46
 Dibromomethane
 Concen: 48.663 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Tgt Ion: 93 Resp: 57290
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.0 100.4
 174 113.8 90.5 135.7

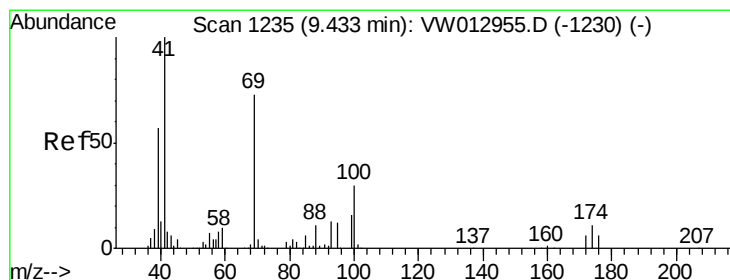
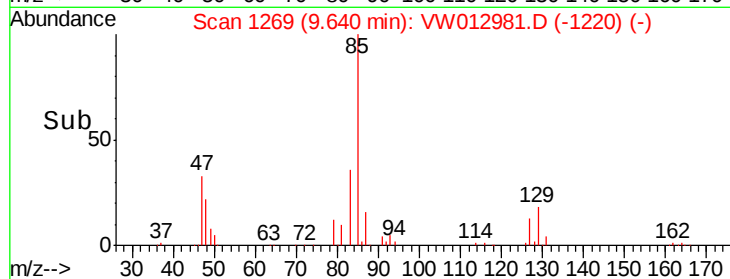
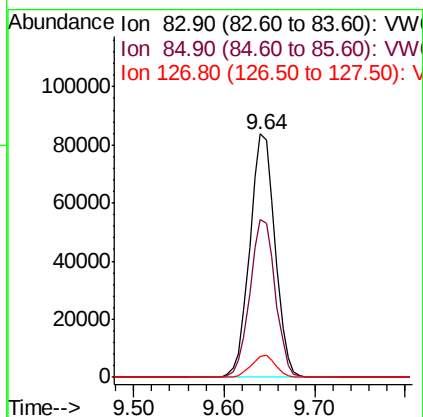
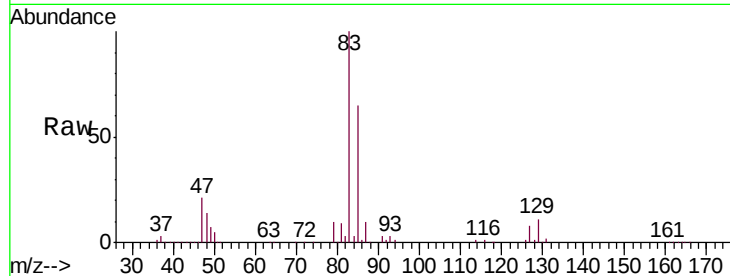




#47
 Bromodichloromethane
 Concen: 48.829 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

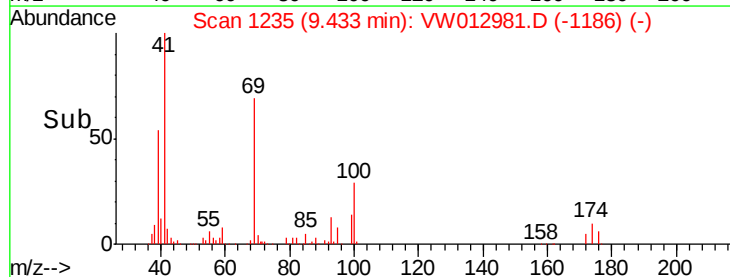
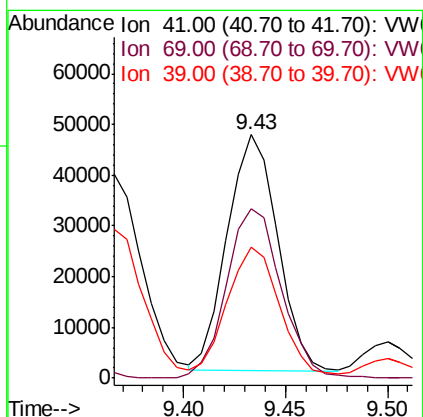
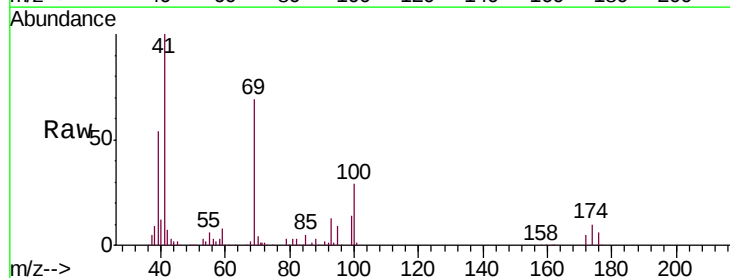
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

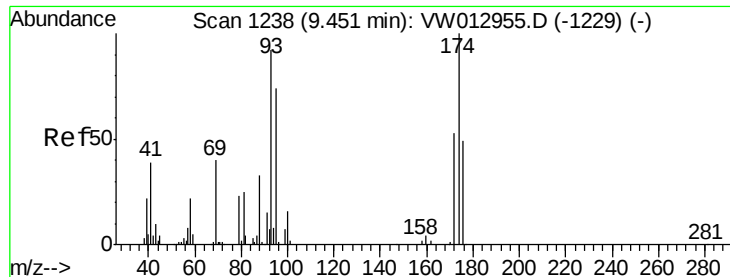
Tgt Ion: 83 Resp: 161246
 Ion Ratio Lower Upper
 83 100
 85 64.7 50.6 75.8
 127 8.5 6.7 10.1



#48
 Methyl methacrylate
 Concen: 50.174 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Tgt Ion: 41 Resp: 79506
 Ion Ratio Lower Upper
 41 100
 69 78.1 62.8 94.2
 39 59.3 48.5 72.7





#49

1,4-Dioxane

Concen: 945.827 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

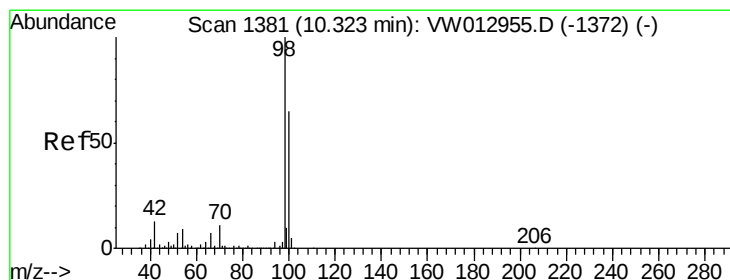
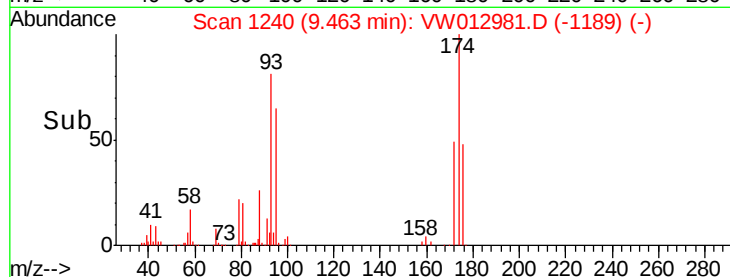
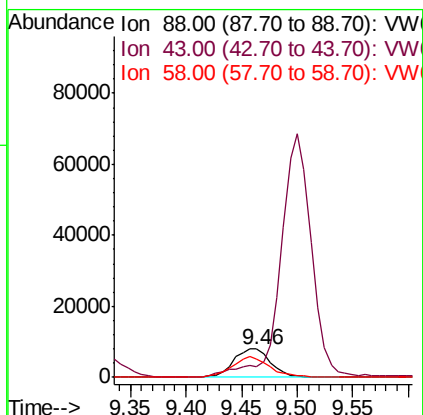
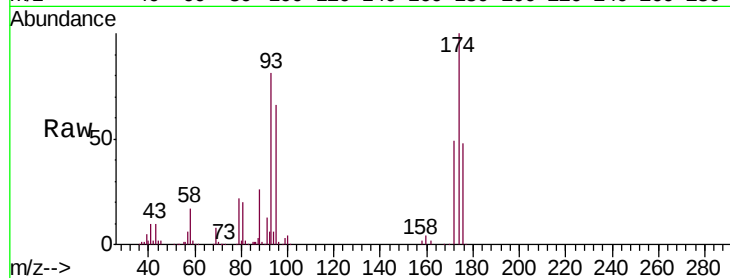
Tgt Ion: 88 Resp: 18658

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

58 75.6 60.2 90.2



#50

Toluene-d8

Concen: 54.336 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012981.D

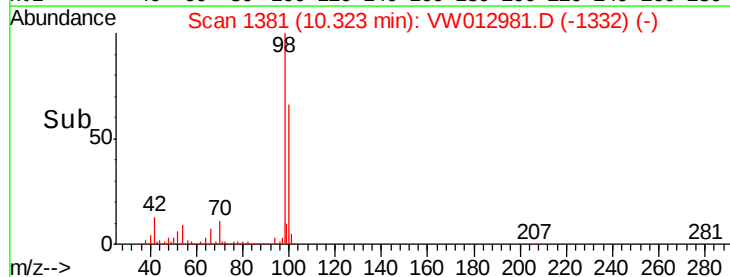
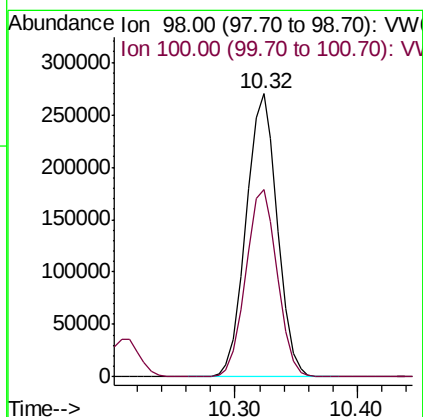
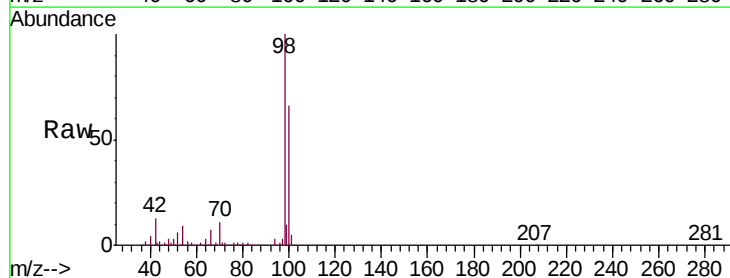
Acq: 14 Sep 2019 03:51

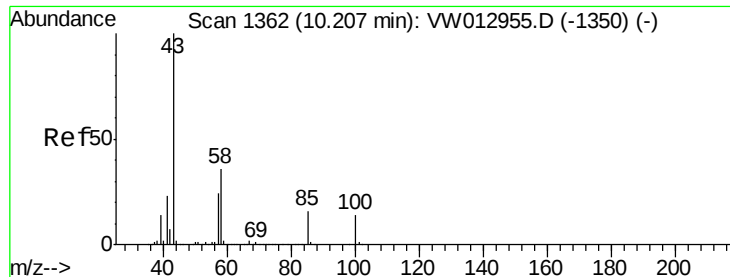
Tgt Ion: 98 Resp: 478331

Ion Ratio Lower Upper

98 100

100 66.8 52.1 78.1

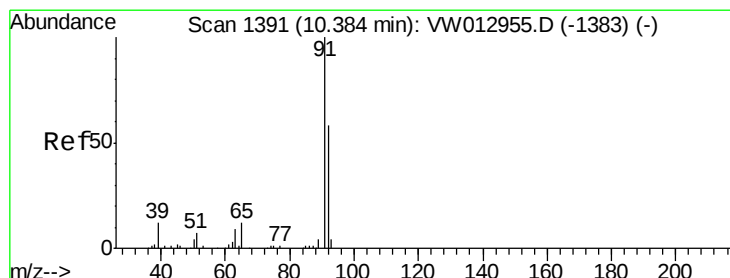
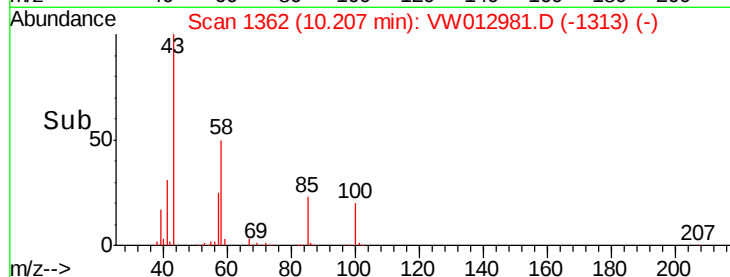
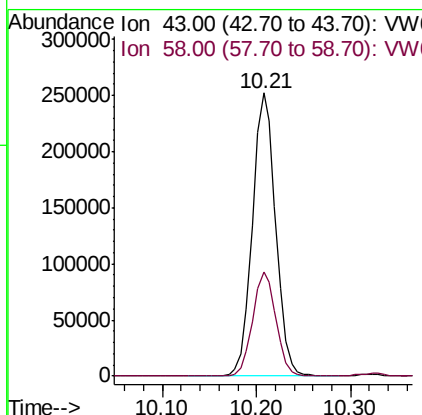
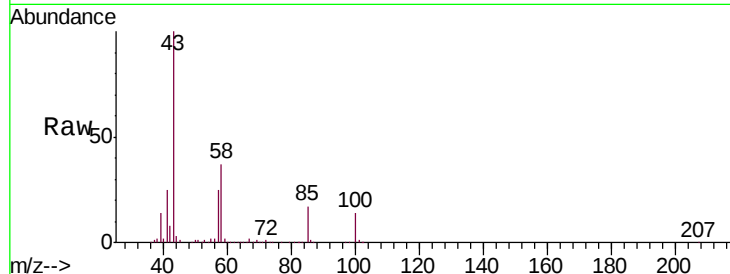




#51
 4-Methyl-2-Pentanone
 Concen: 251.424 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

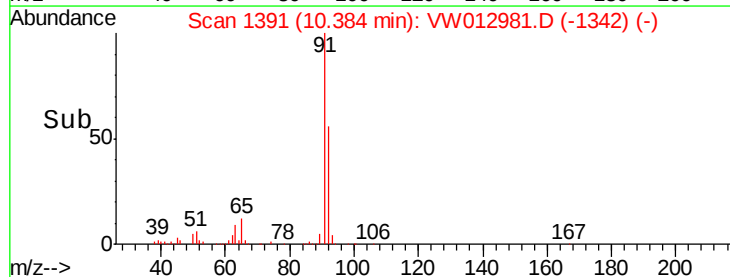
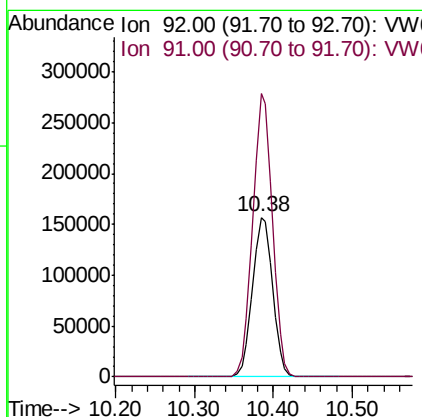
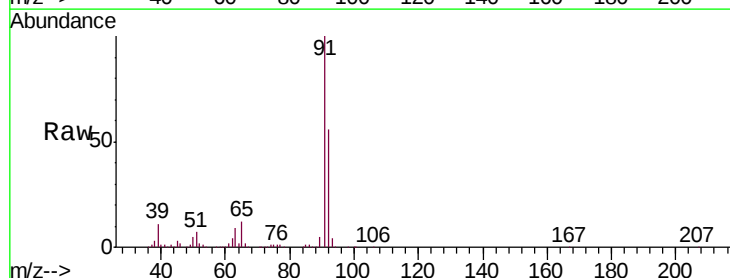
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

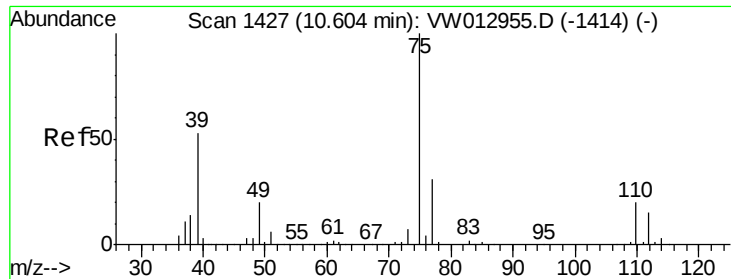
Tgt Ion: 43 Resp: 438269
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.5 44.3



#52
 Toluene
 Concen: 47.665 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Tgt Ion: 92 Resp: 280127
 Ion Ratio Lower Upper
 92 100
 91 173.8 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 47.206 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

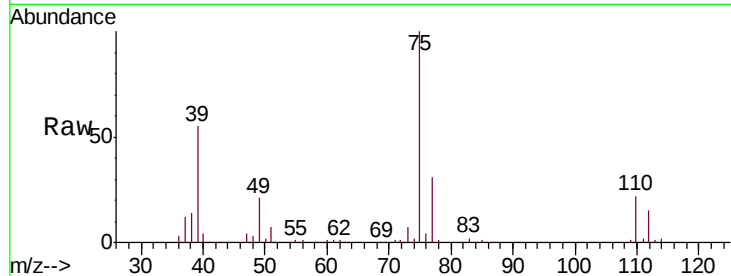
VSTDCCC050EC

Tgt Ion: 75 Resp: 156776

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

80000

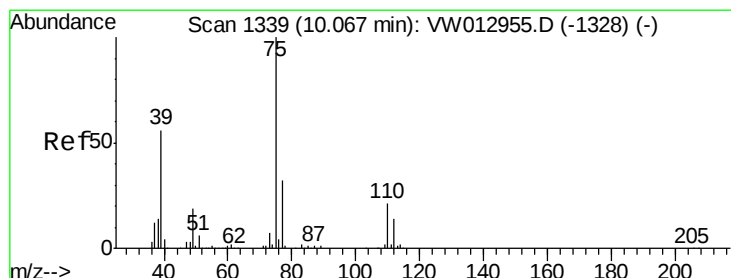
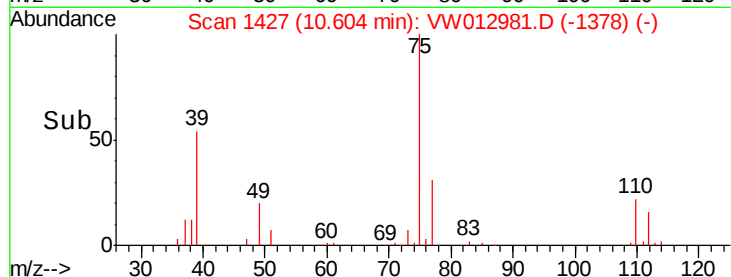
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.765 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

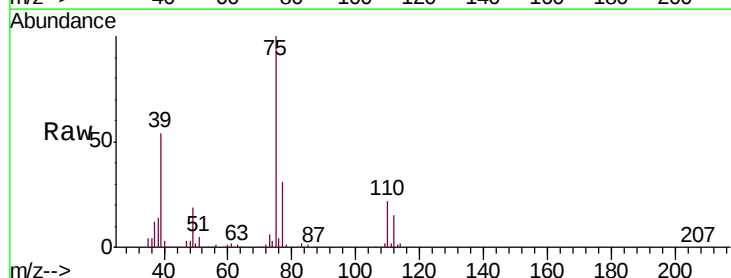
Tgt Ion: 75 Resp: 181507

Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3

39 54.1 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

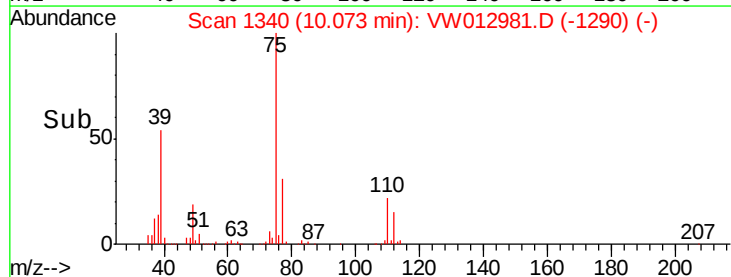
10.07

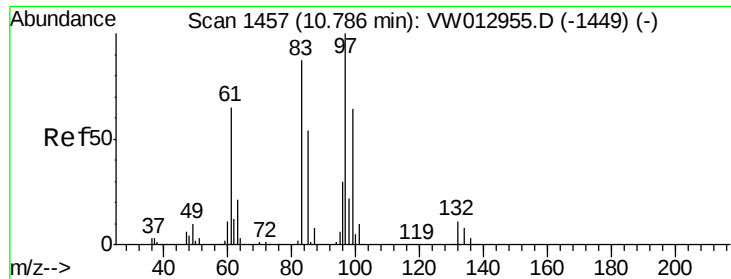
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.492 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 88762

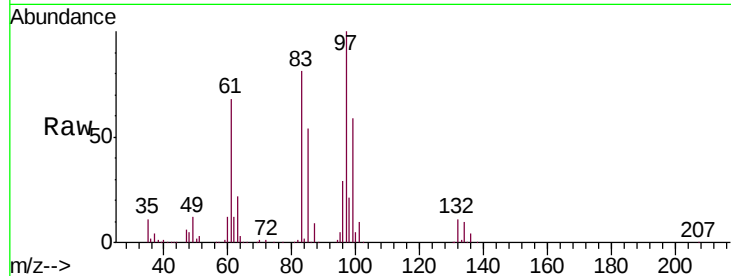
Ion Ratio Lower Upper

97 100

83 80.8 69.4 104.0

85 54.0 43.3 64.9

99 59.2 50.9 76.3



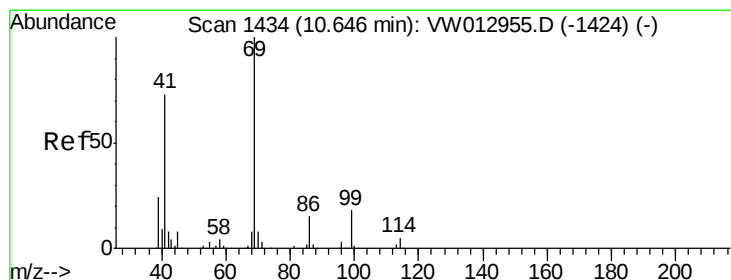
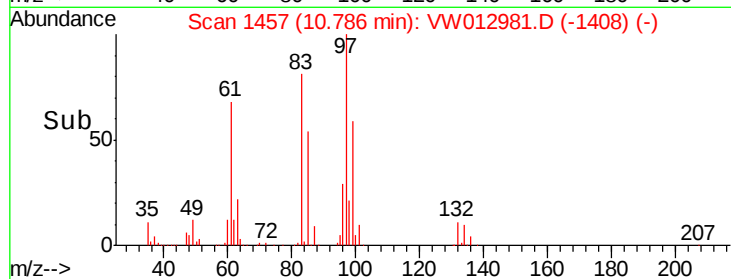
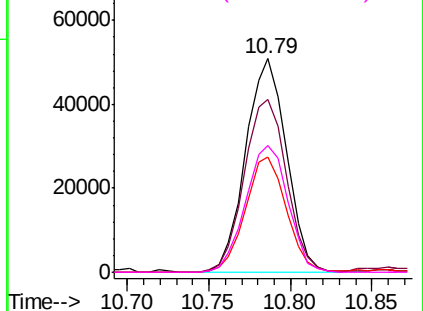
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 50.894 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

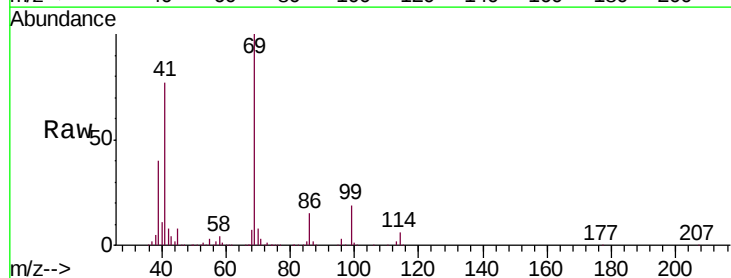
Tgt Ion: 69 Resp: 122859

Ion Ratio Lower Upper

69 100

41 75.0 60.8 91.2

39 35.3 29.4 44.0

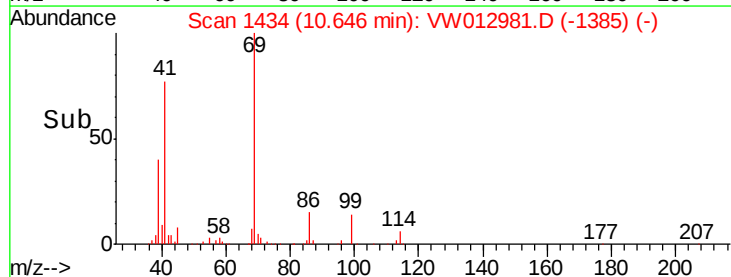
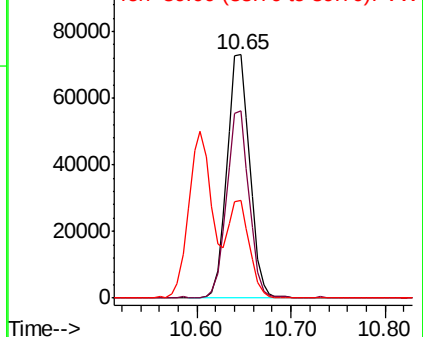


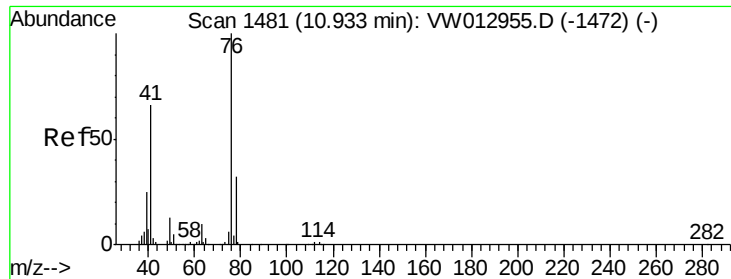
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

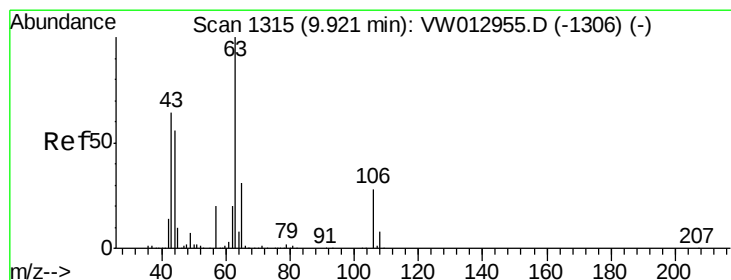
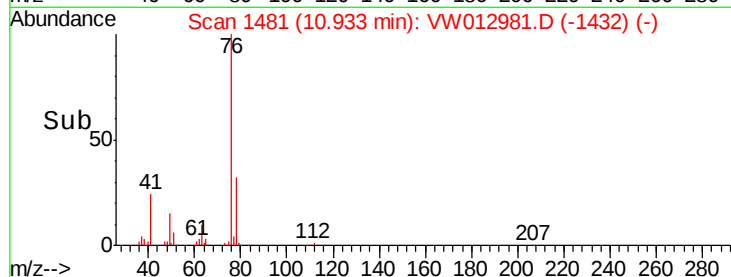
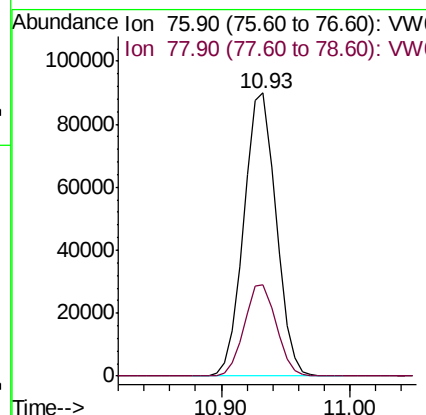
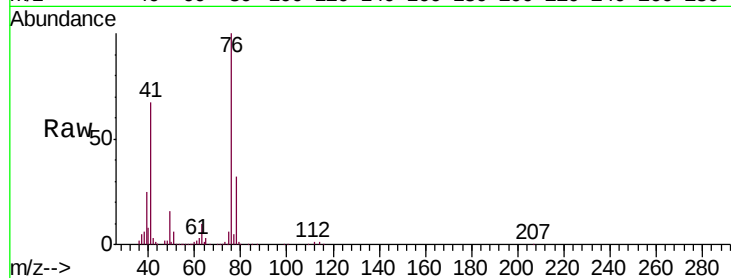




#57
 1,3-Dichloropropane
 Concen: 48.919 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

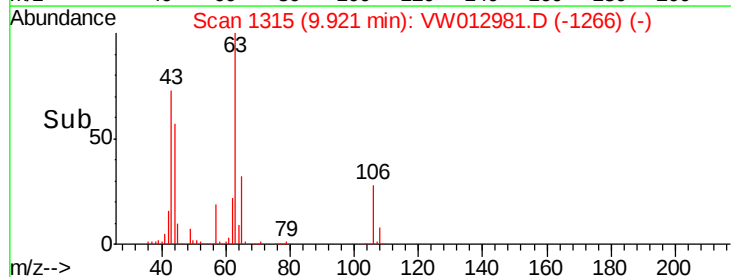
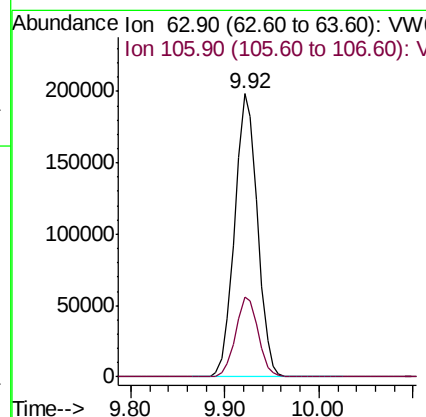
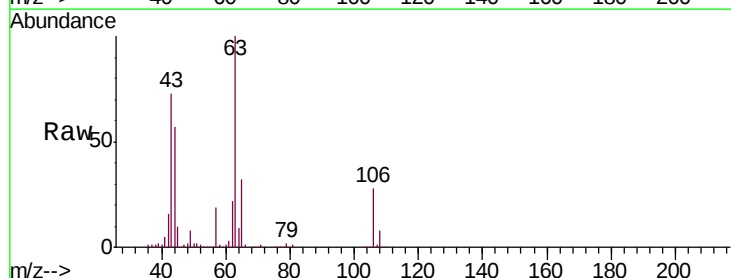
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

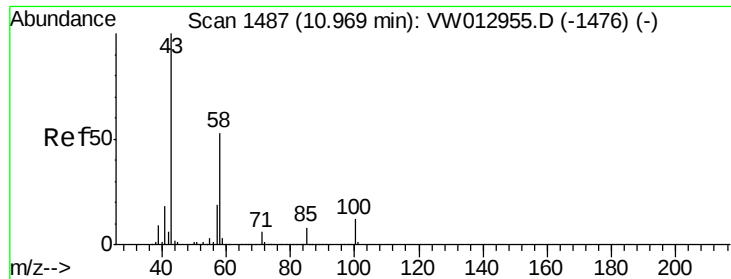
Tgt Ion: 76 Resp: 155630
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.501 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Tgt Ion: 63 Resp: 332157
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.2 33.2

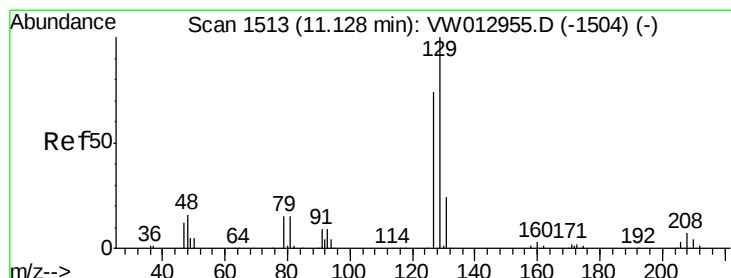
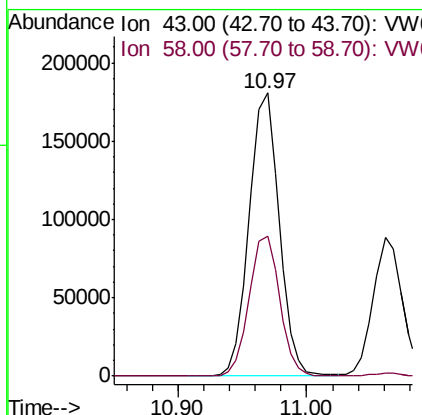
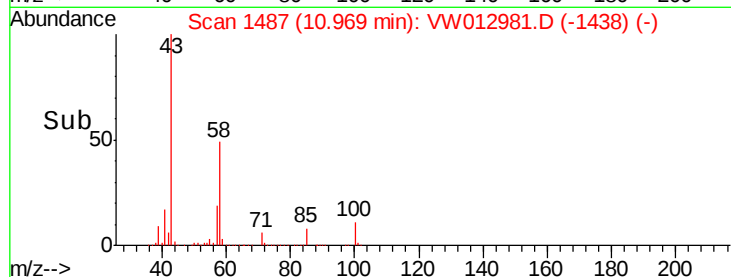
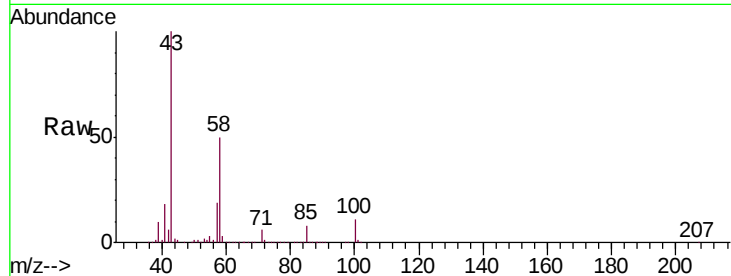




#59
2-Hexanone
Concen: 240.282 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

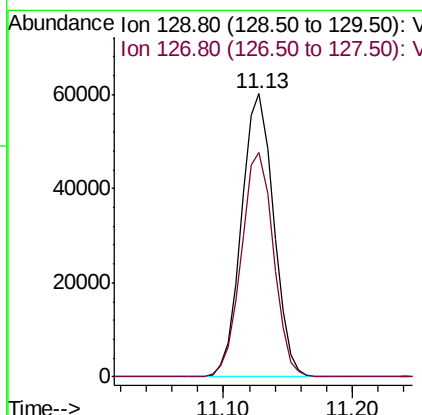
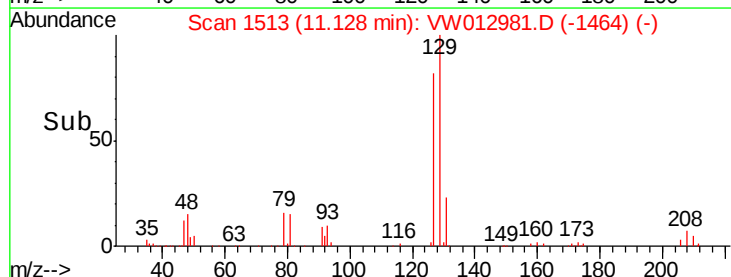
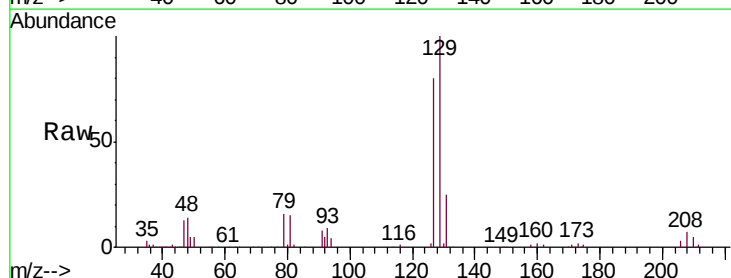
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

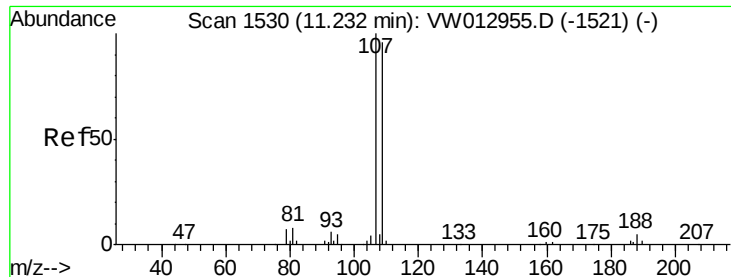
Tgt Ion: 43 Resp: 291648
Ion Ratio Lower Upper
43 100
58 50.3 25.8 77.3



#60
Dibromochloromethane
Concen: 47.902 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 129 Resp: 103864
Ion Ratio Lower Upper
129 100
127 79.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 49.208 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

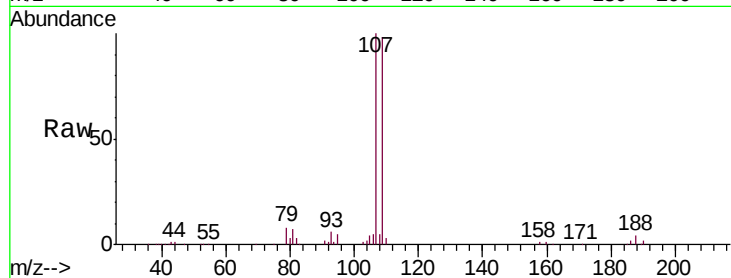
VSTDCCC050EC

Tgt Ion: 107 Resp: 80506

Ion Ratio Lower Upper

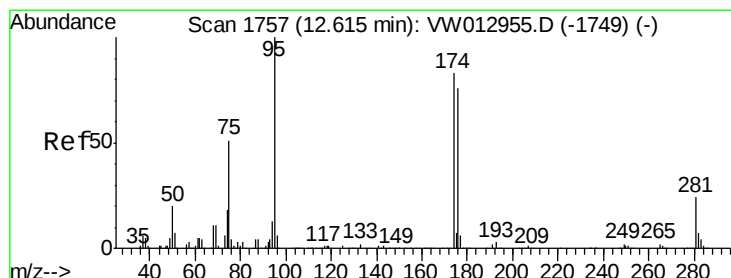
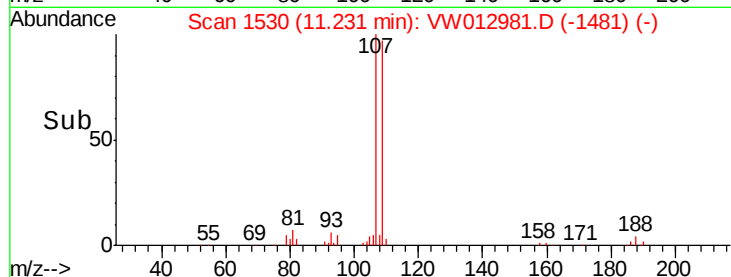
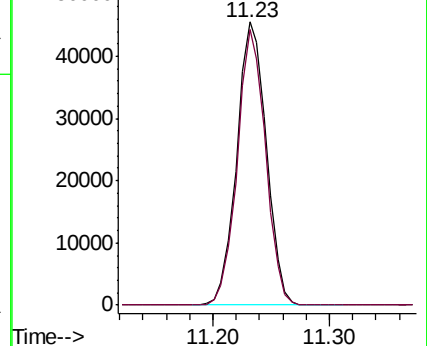
107 100

109 93.0 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.524 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

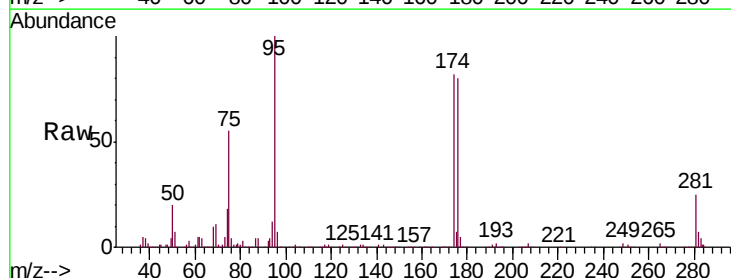
Tgt Ion: 95 Resp: 166261

Ion Ratio Lower Upper

95 100

174 86.2 0.0 170.4

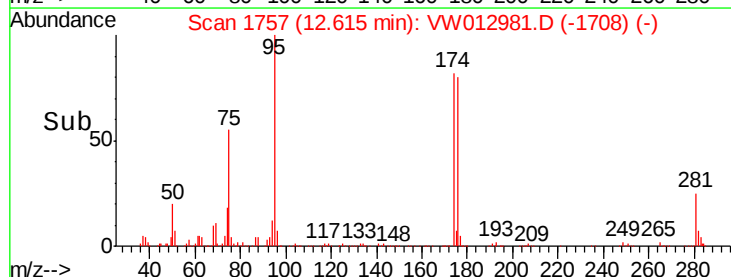
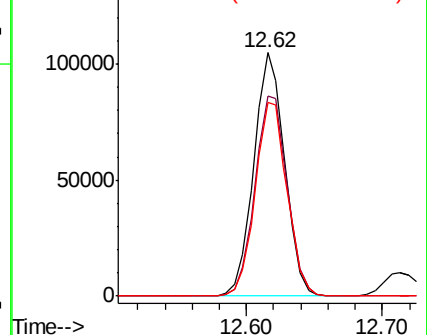
176 82.4 0.0 164.6

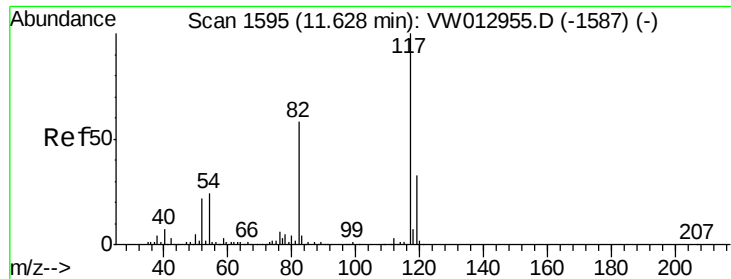


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

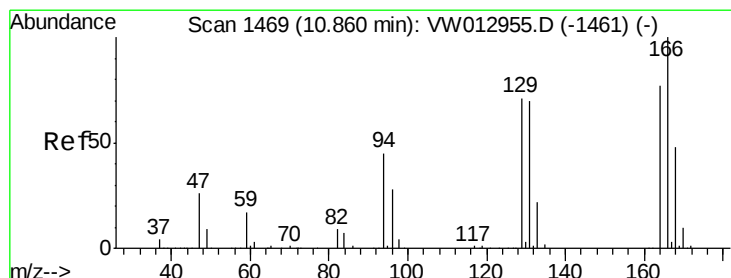
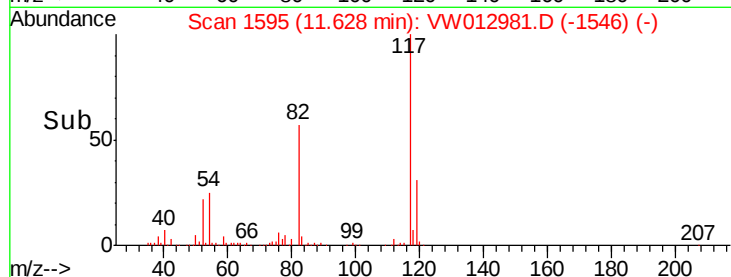
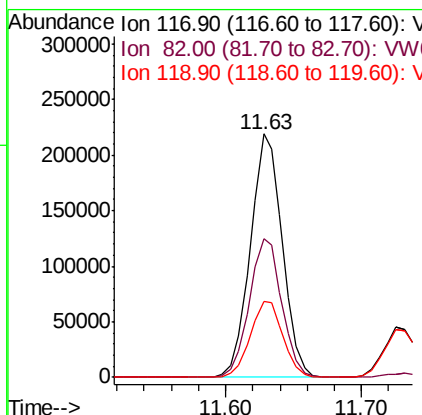
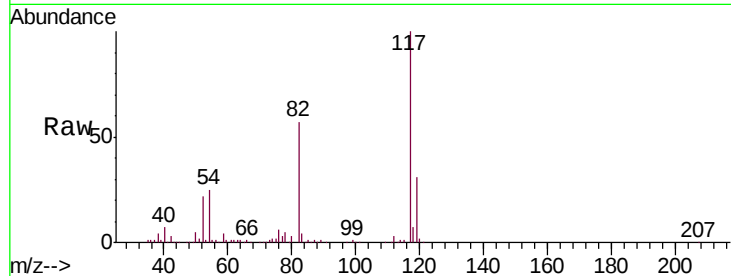




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

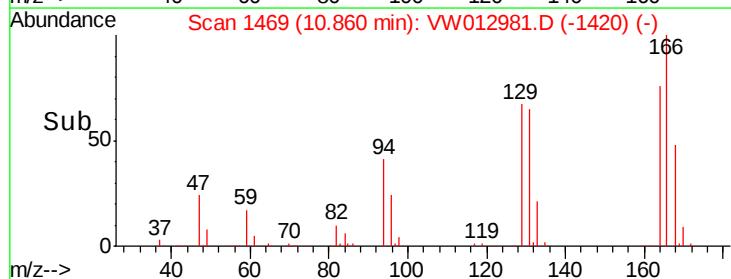
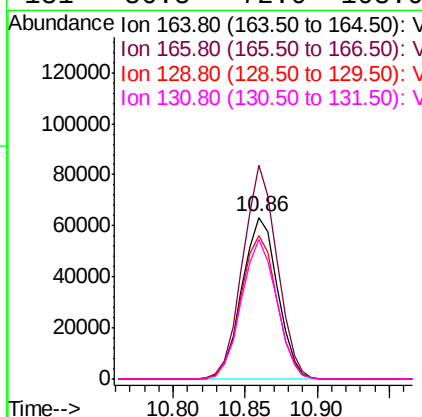
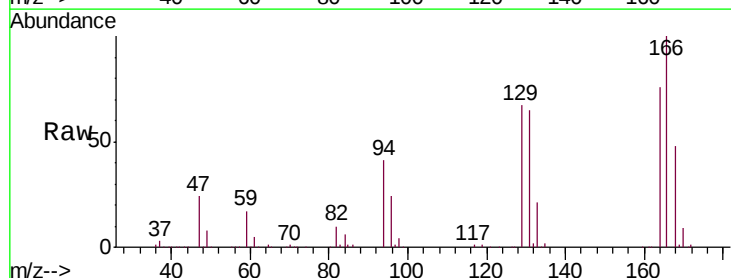
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

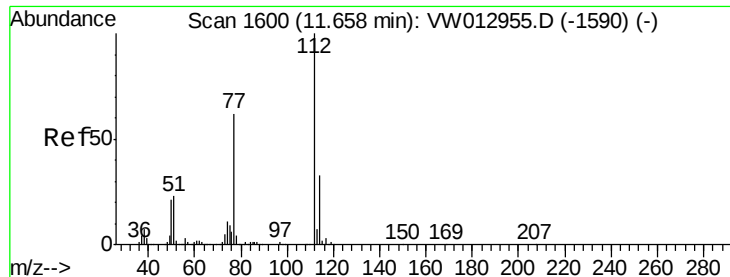
Tgt Ion:117 Resp: 360517
Ion Ratio Lower Upper
117 100
82 57.0 46.3 69.5
119 31.3 26.2 39.4



#64
Tetrachloroethene
Concen: 50.614 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion:164 Resp: 108554
Ion Ratio Lower Upper
164 100
166 132.2 103.3 154.9
129 89.1 73.8 110.8
131 86.5 72.0 108.0

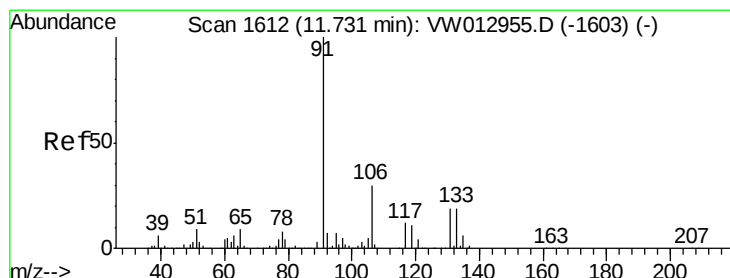
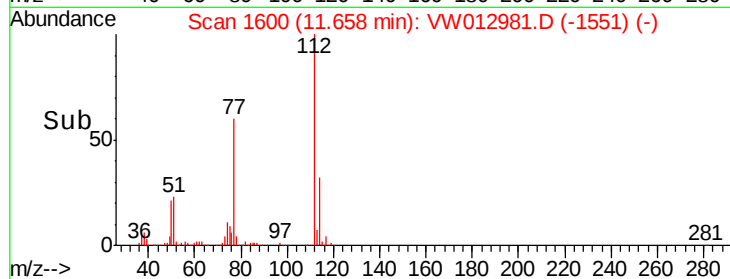
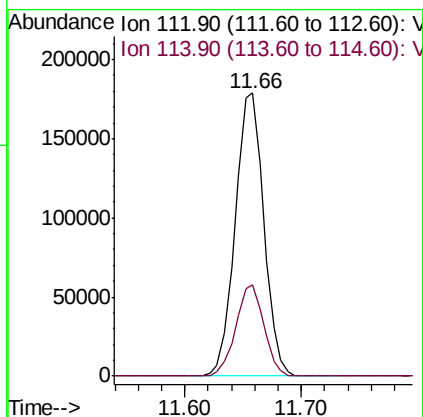
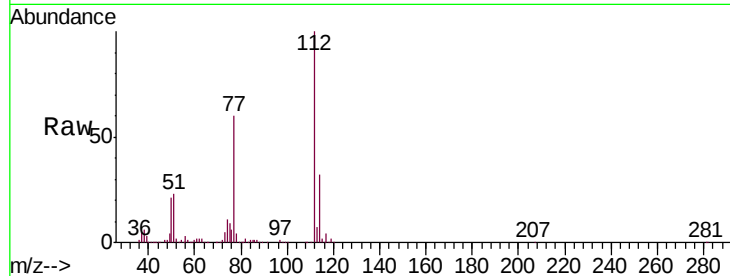




#65
Chlorobenzene
Concen: 47.683 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

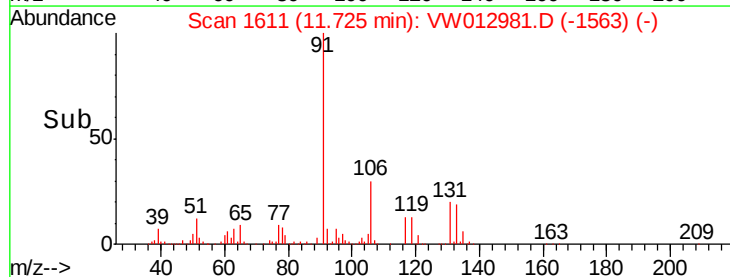
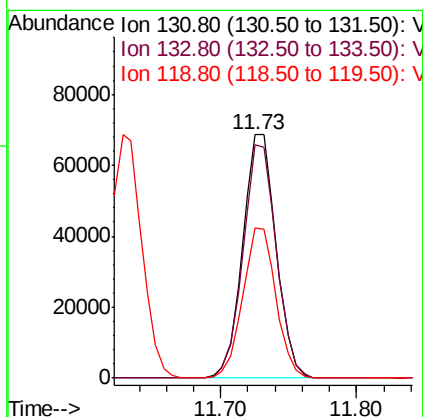
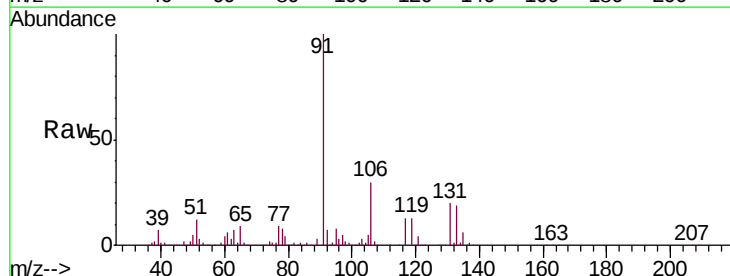
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

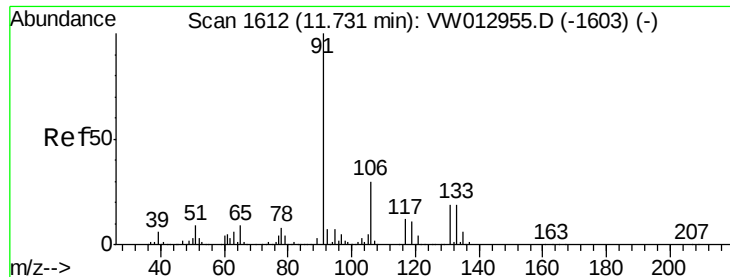
Tgt Ion:112 Resp: 306202
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.938 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion:131 Resp: 117969
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.8
119 61.6 30.9 92.7

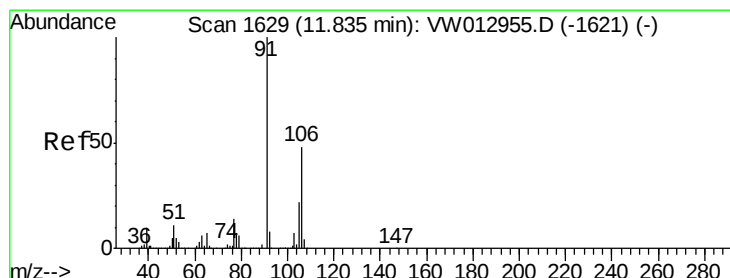
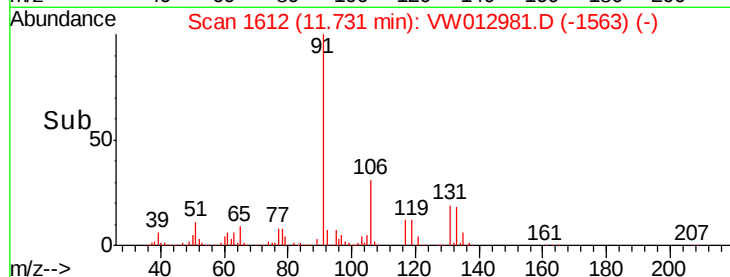
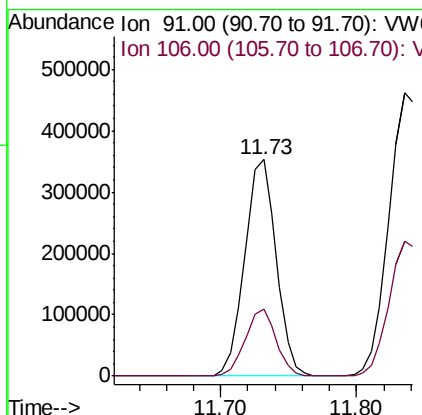
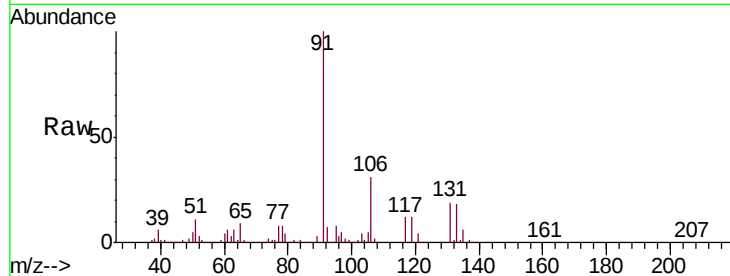




#67
Ethyl Benzene
Concen: 48.376 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

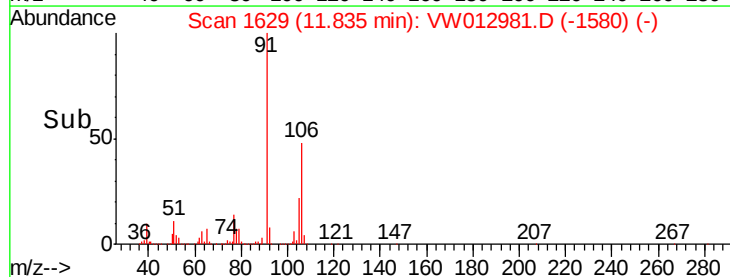
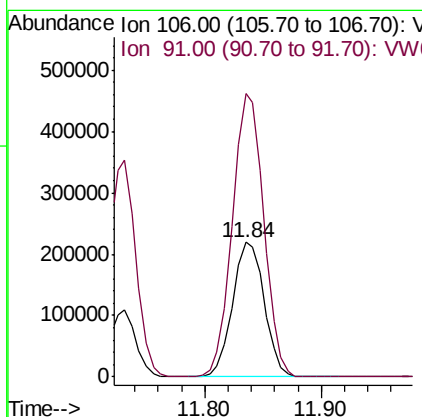
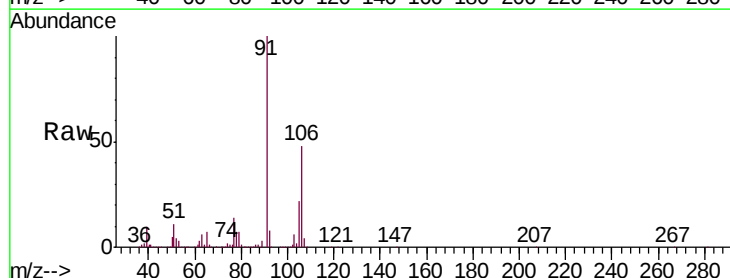
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

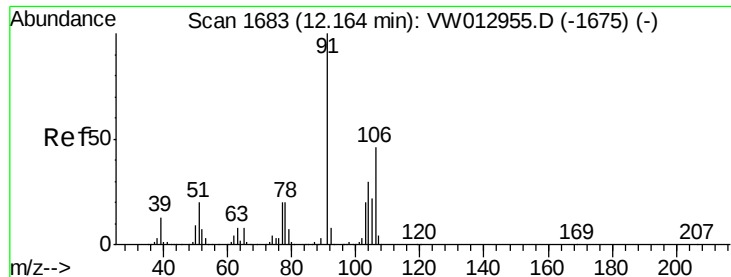
Tgt Ion: 91 Resp: 573735
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5



#68
m/p-Xylenes
Concen: 95.941 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 106 Resp: 415674
Ion Ratio Lower Upper
106 100
91 208.5 165.8 248.8

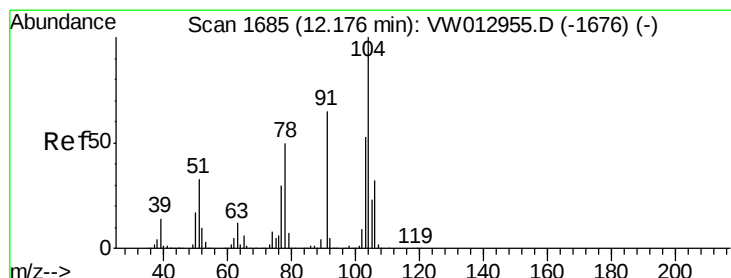
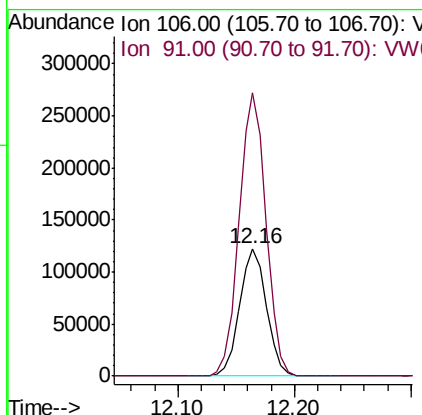
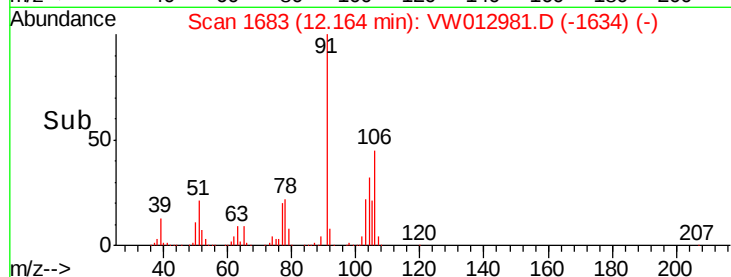
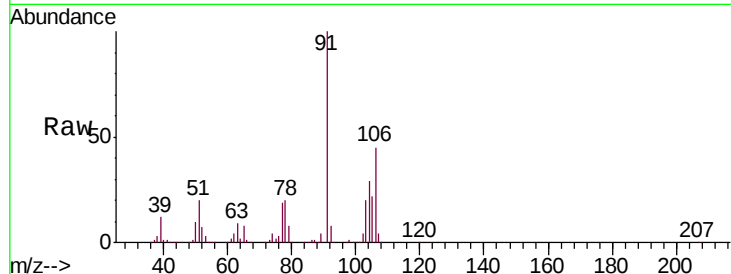




#69
o-Xylene
Concen: 48.570 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

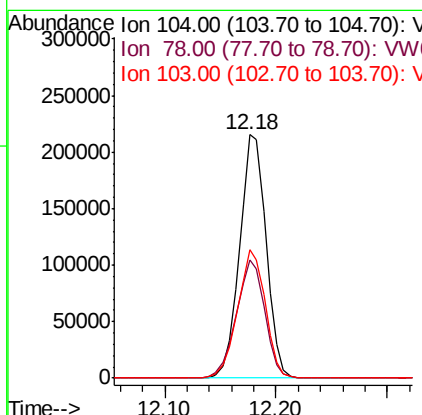
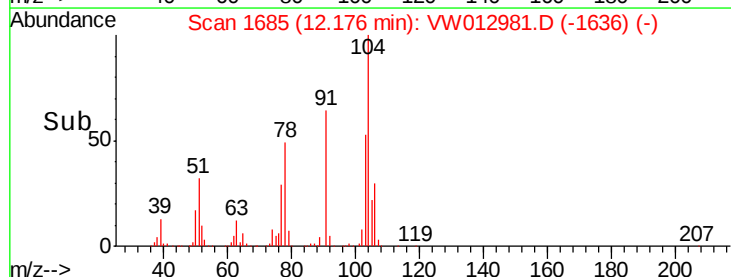
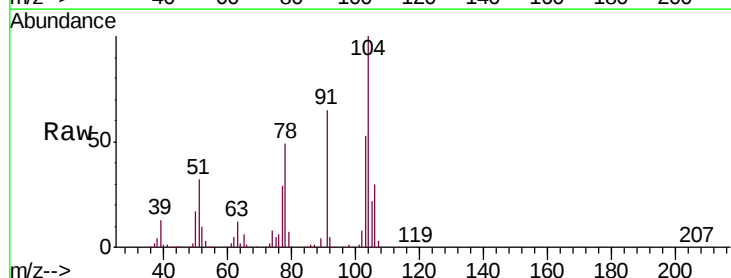
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

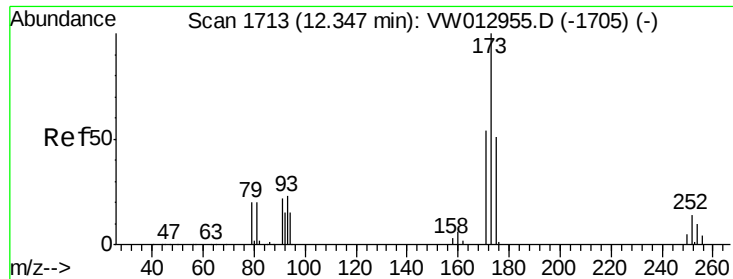
Tgt Ion:106 Resp: 197285
Ion Ratio Lower Upper
106 100
91 221.4 109.7 329.0



#70
Styrene
Concen: 49.111 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion:104 Resp: 354862
Ion Ratio Lower Upper
104 100
78 51.9 42.1 63.1
103 55.0 44.2 66.4

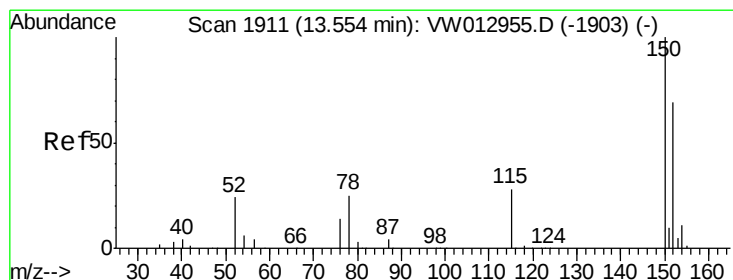
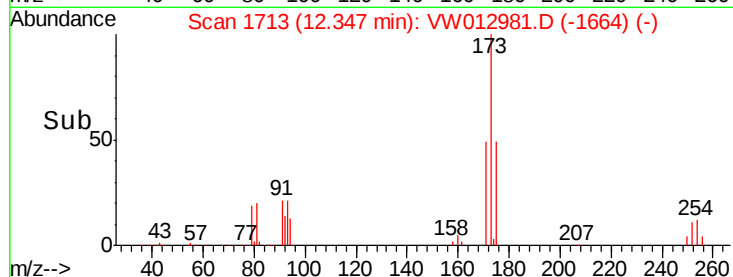
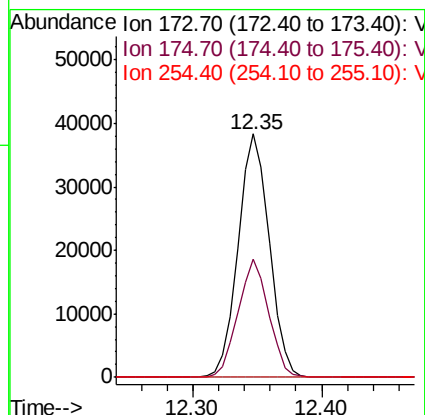
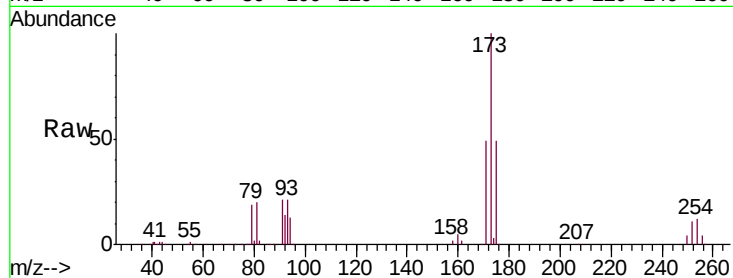




#71
Bromoform
Concen: 49.555 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

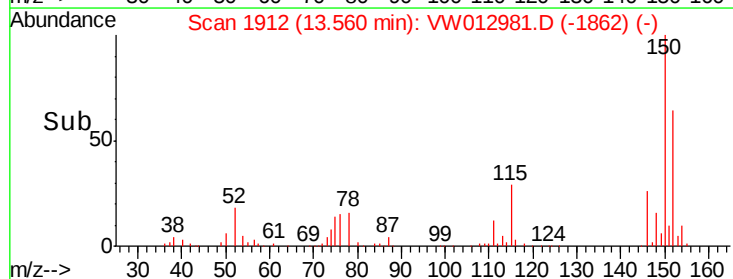
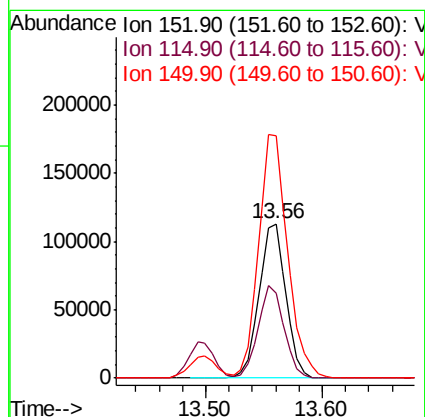
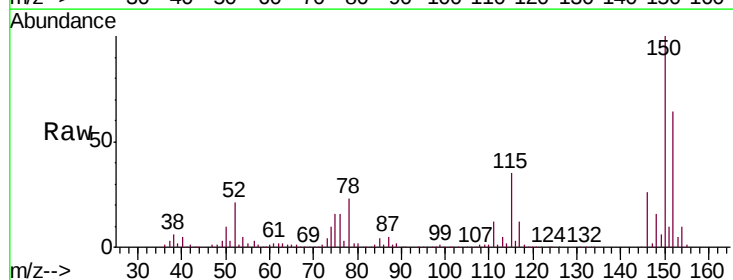
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

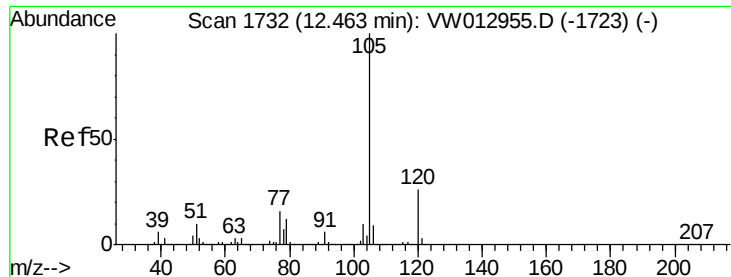
Tgt Ion:173 Resp: 64056
Ion Ratio Lower Upper
173 100
175 48.0 24.2 72.6
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion:152 Resp: 181064
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.4
150 171.3 0.0 340.2





#73

Isopropylbenzene

Concen: 47.340 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

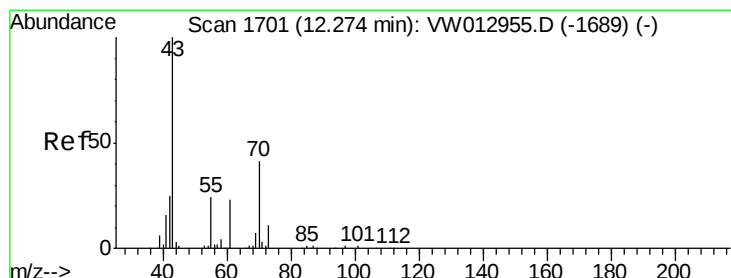
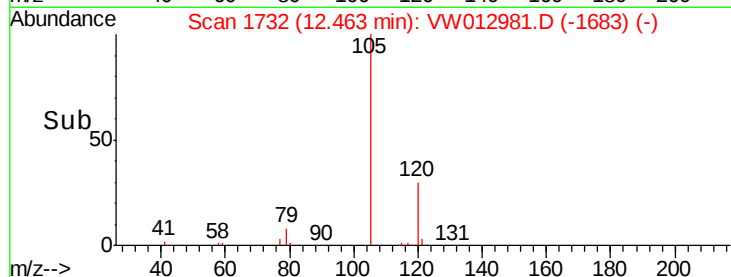
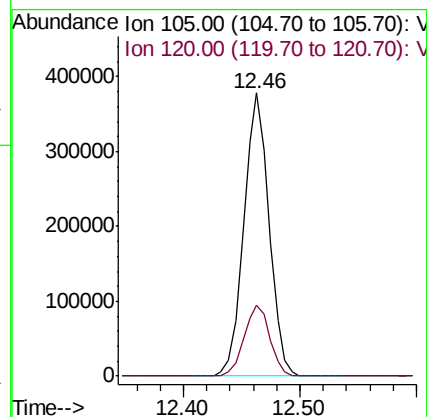
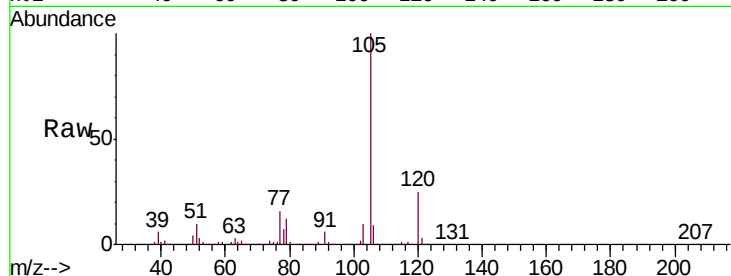
VSTDCCC050EC

Tgt Ion:105 Resp: 568147

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



#74

N-ethyl acetate

Concen: 48.307 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Tgt Ion: 43 Resp: 149135

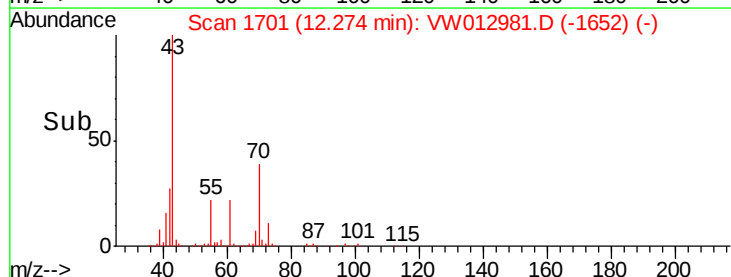
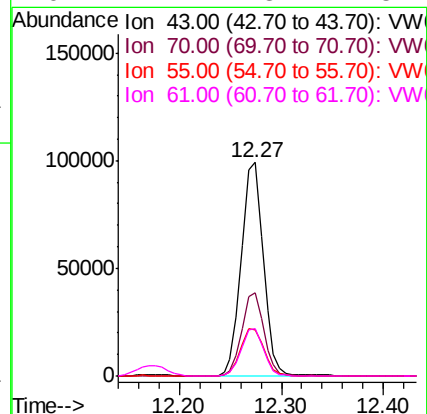
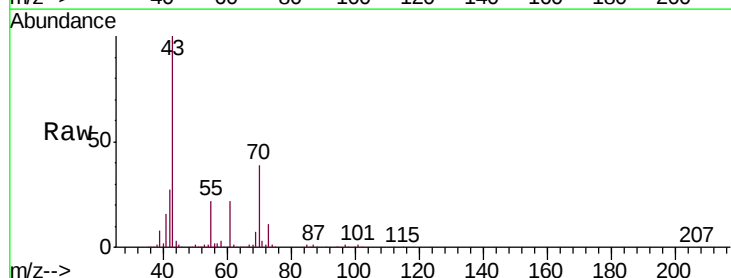
Ion Ratio Lower Upper

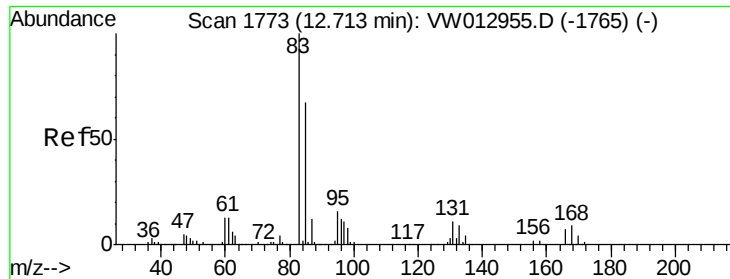
43 100

70 38.6 31.7 47.5

55 23.5 19.4 29.2

61 22.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.565 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

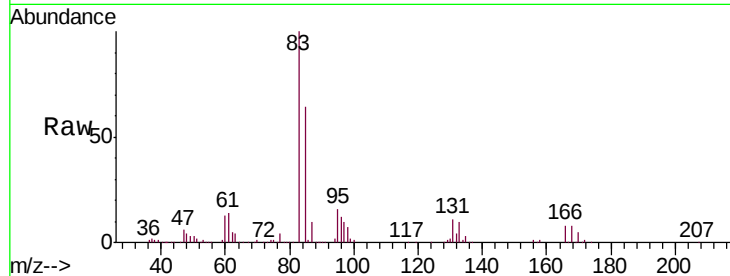
Tgt Ion: 83 Resp: 102369

Ion Ratio Lower Upper

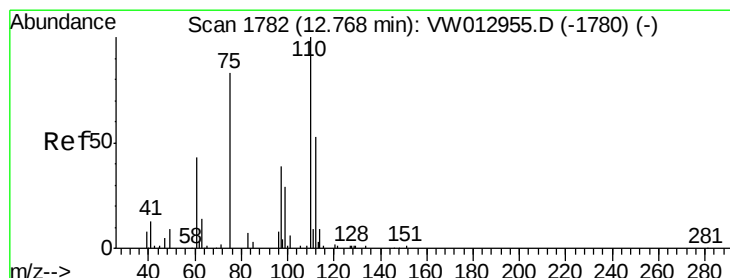
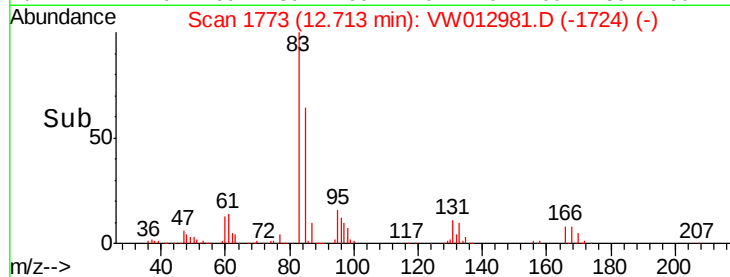
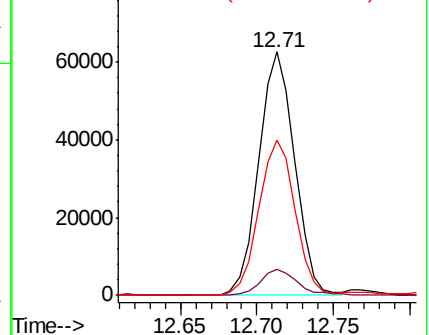
83 100

131 11.1 5.7 17.1

85 64.5 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 85.022 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012981.D

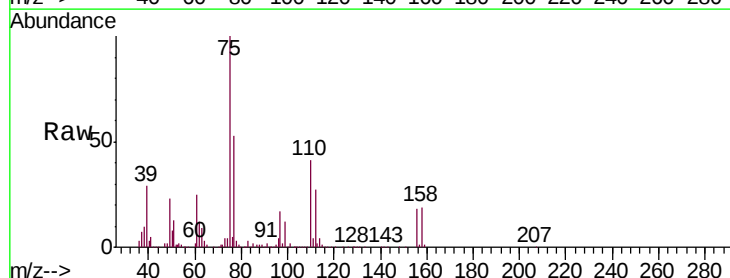
Acq: 14 Sep 2019 03:51

Tgt Ion: 75 Resp: 134843

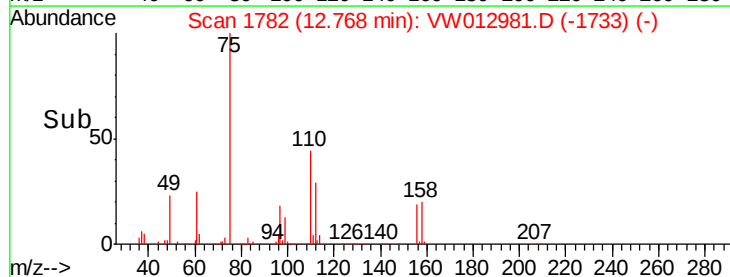
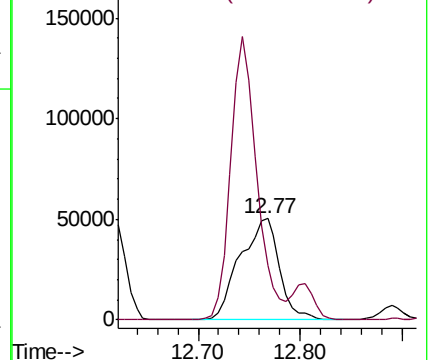
Ion Ratio Lower Upper

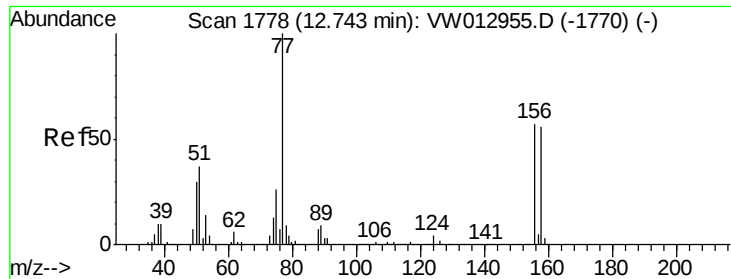
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

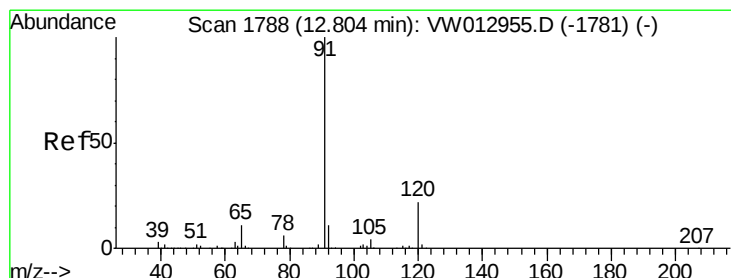
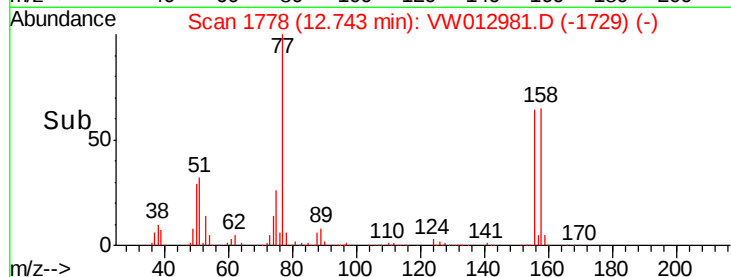
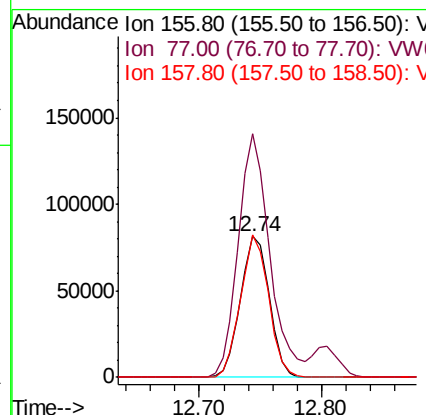
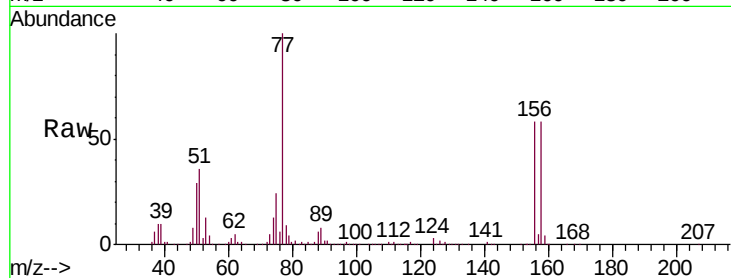




#77
Bromobenzene
Concen: 48.241 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

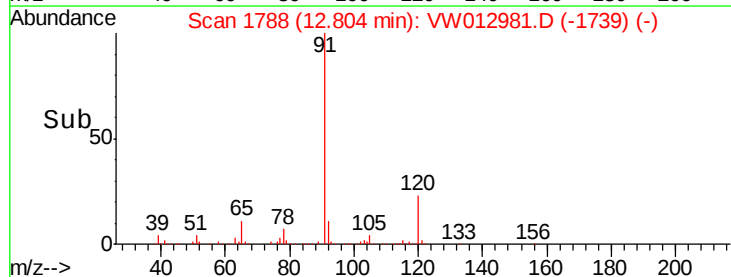
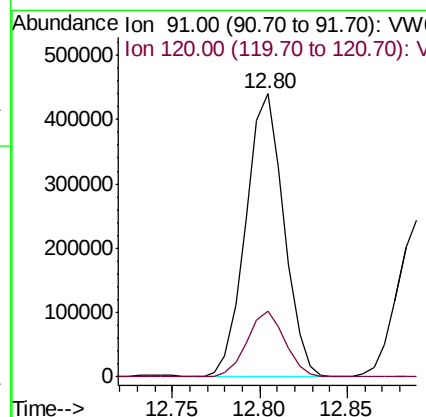
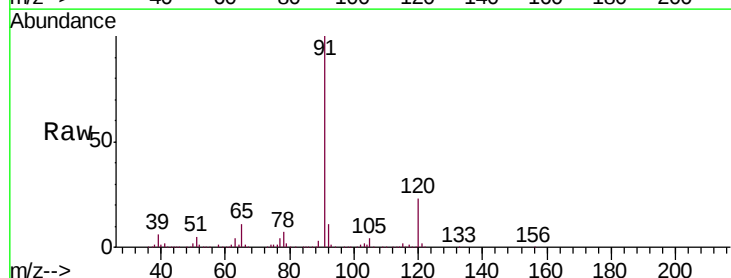
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

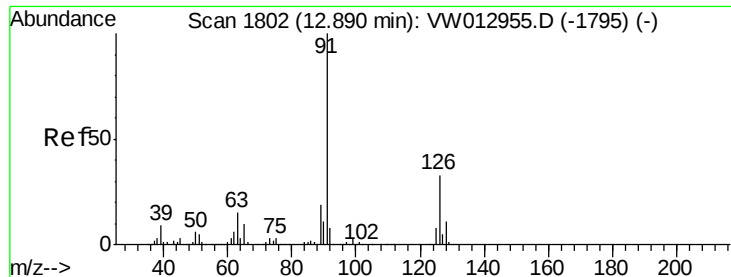
Tgt Ion: 156 Resp: 133379
Ion Ratio Lower Upper
156 100
77 188.3 95.2 285.6
158 97.8 49.0 147.2



#78
n-propylbenzene
Concen: 47.142 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion: 91 Resp: 665520
Ion Ratio Lower Upper
91 100
120 23.0 11.2 33.5





#79

2-Chlorotoluene

Concen: 48.029 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

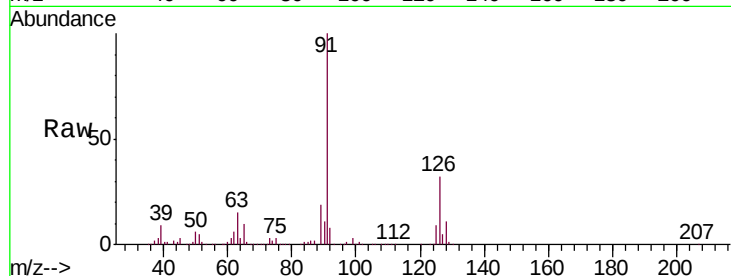
VSTDCCC050EC

Tgt Ion: 91 Resp: 389777

Ion Ratio Lower Upper

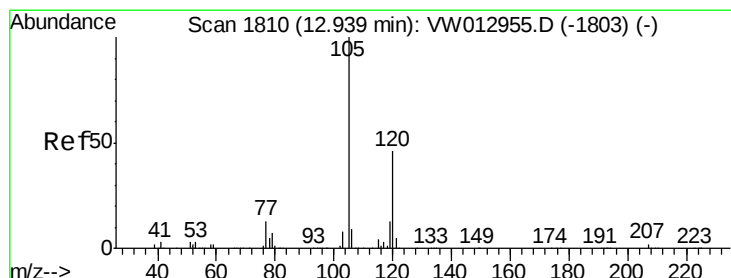
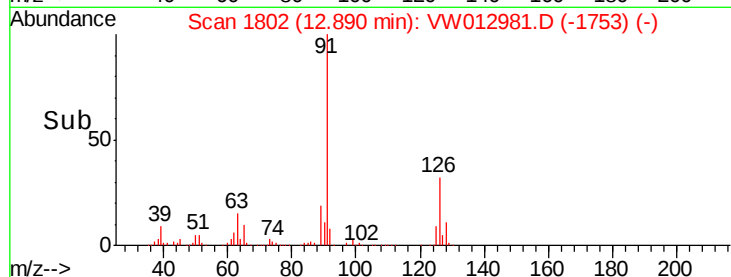
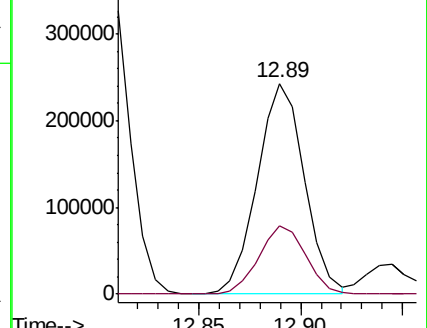
91 100

126 32.6 16.5 49.5



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: 47.305 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW012981.D

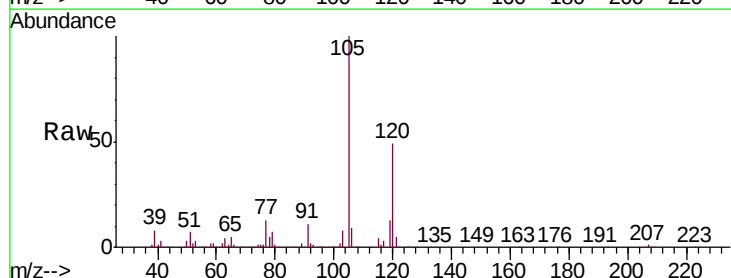
Acq: 14 Sep 2019 03:51

Tgt Ion: 105 Resp: 480300

Ion Ratio Lower Upper

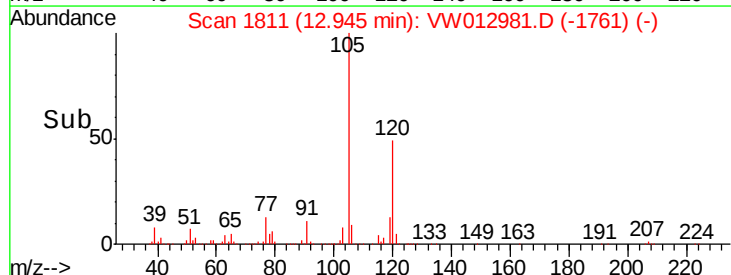
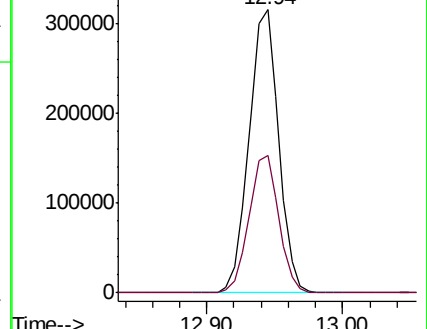
105 100

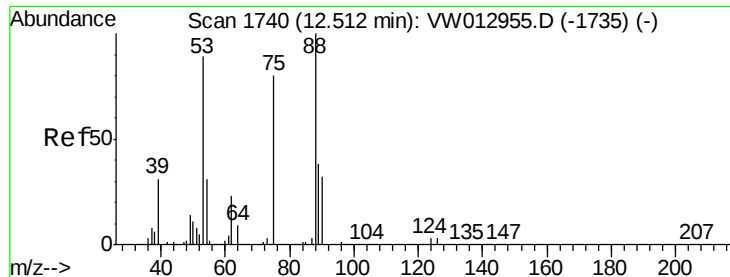
120 49.2 24.2 72.6



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: 44.589 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

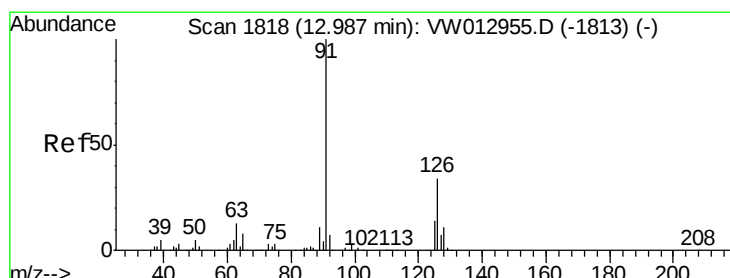
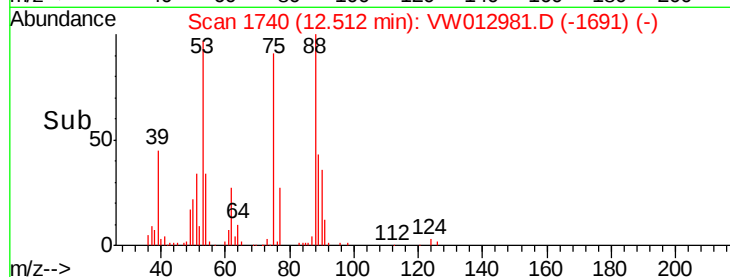
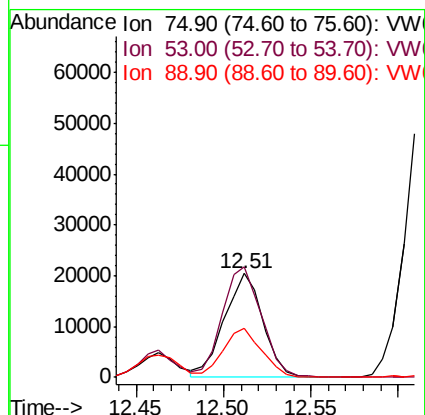
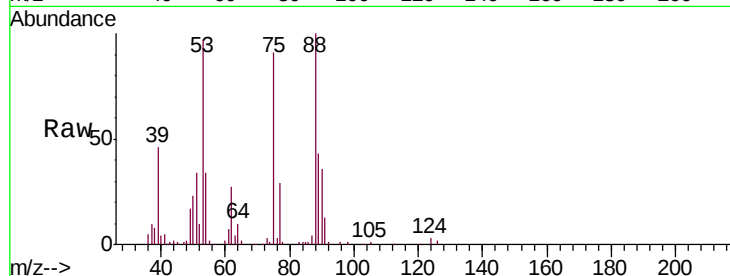
Tgt Ion: 75 Resp: 31174

Ion Ratio Lower Upper

75 100

53 110.2 85.6 128.4

89 47.6 37.2 55.8



#82

4-Chlorotoluene

Concen: 47.611 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012981.D

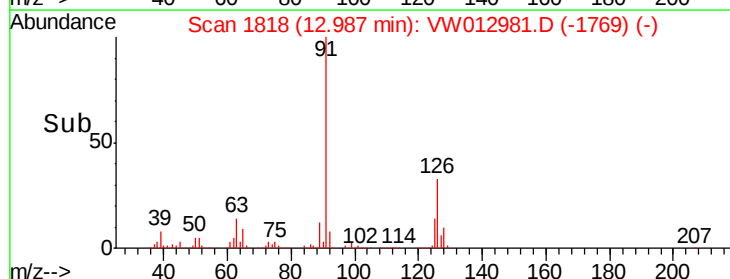
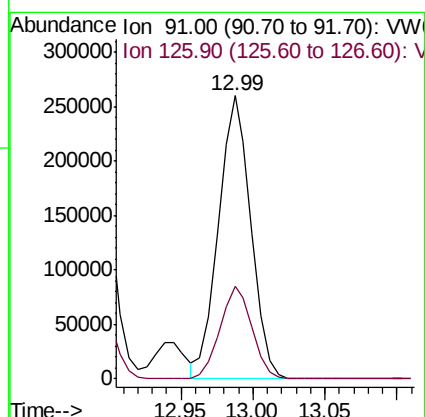
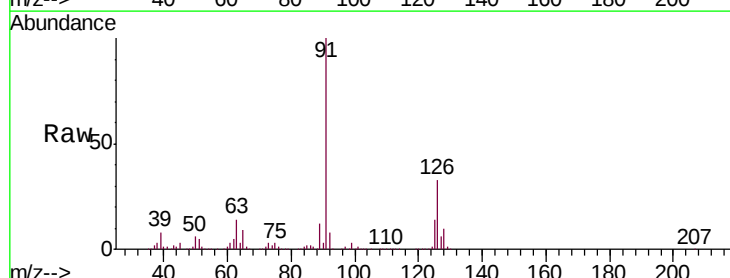
Acq: 14 Sep 2019 03:51

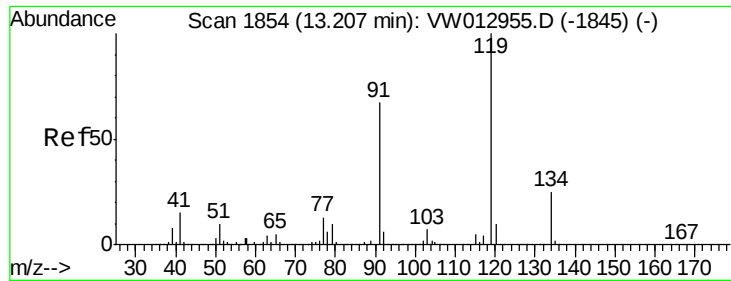
Tgt Ion: 91 Resp: 407674

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.3

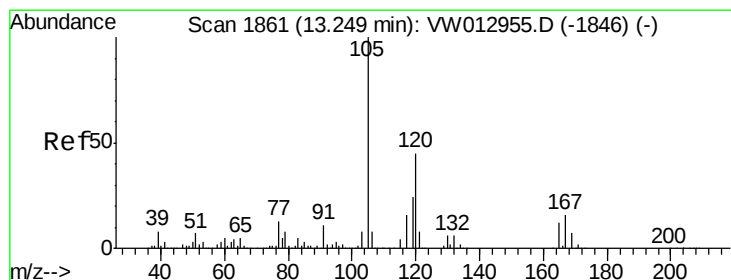
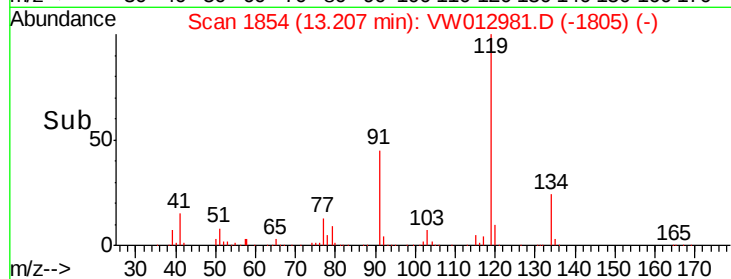
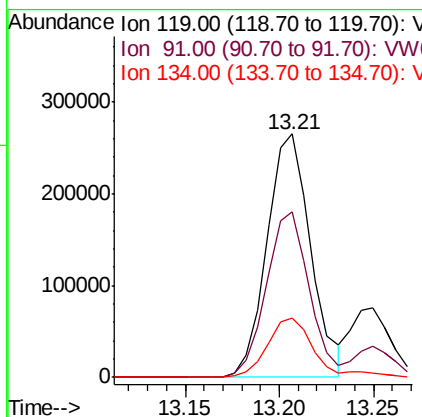
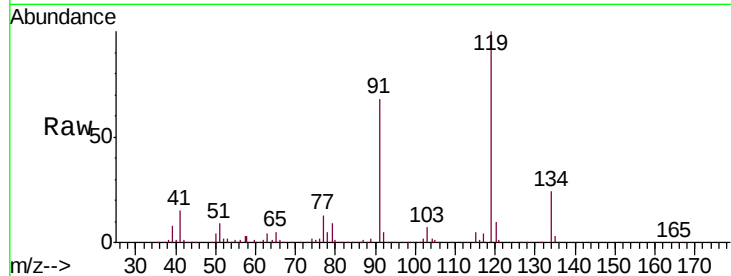




#83
 tert-Butylbenzene
 Concen: 47.210 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

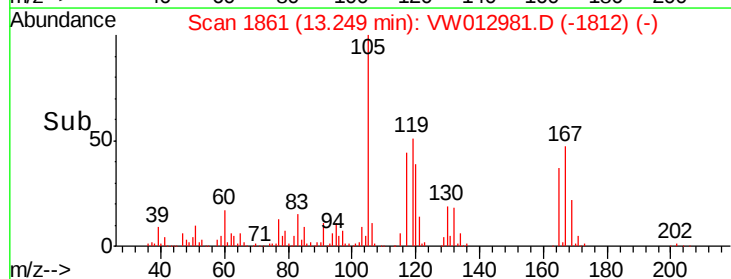
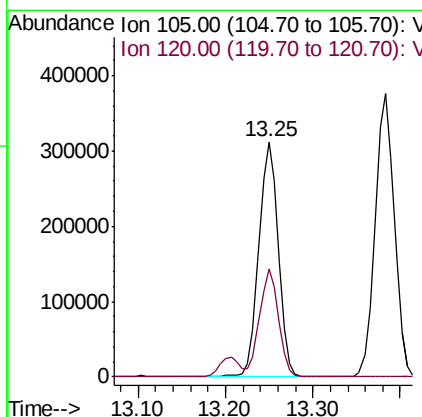
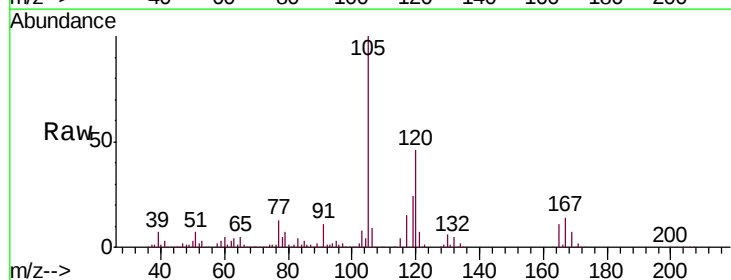
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

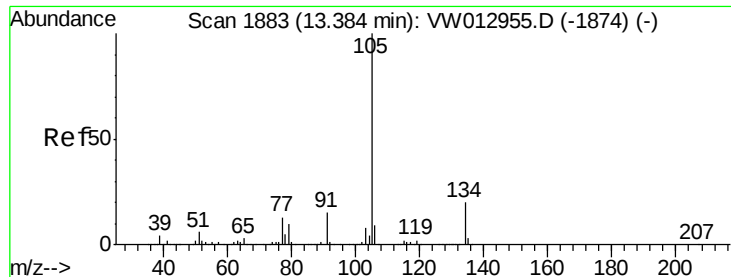
Tgt Ion:119 Resp: 428749
 Ion Ratio Lower Upper
 119 100
 91 66.2 32.6 98.0
 134 26.2 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 48.320 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Tgt Ion:105 Resp: 484797
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.9 65.7

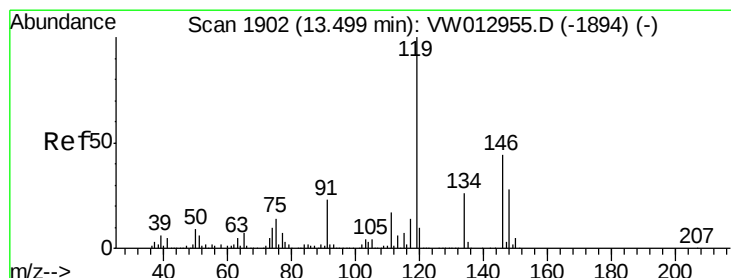
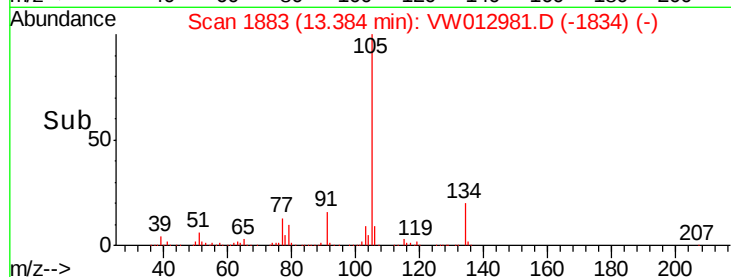
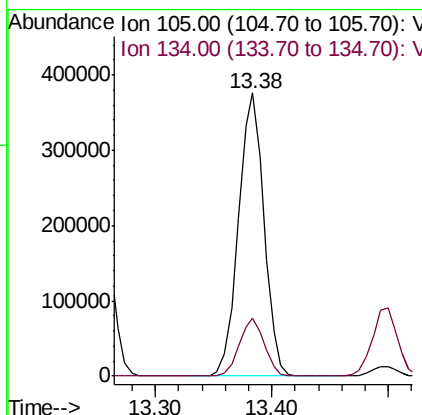
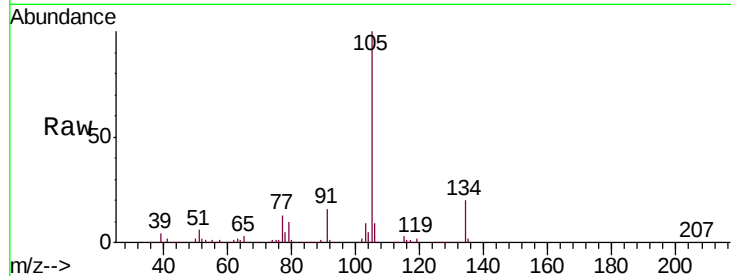




#85
 sec-Butylbenzene
 Concen: 46.391 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

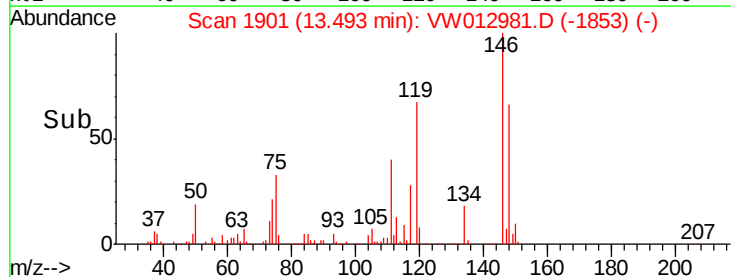
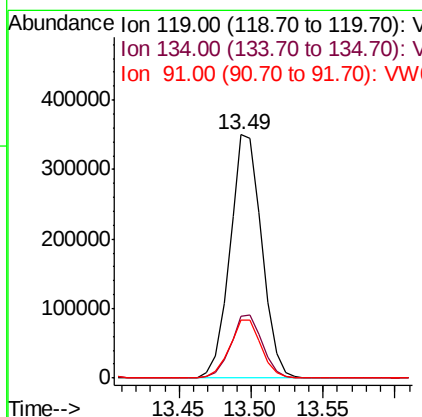
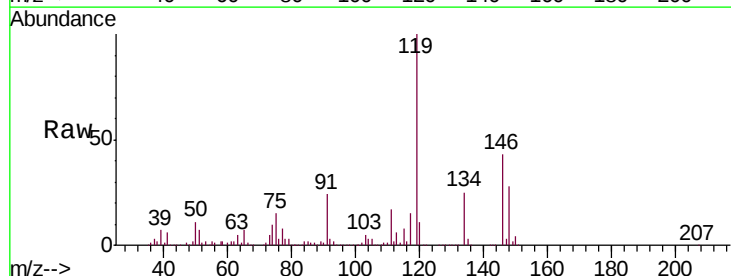
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

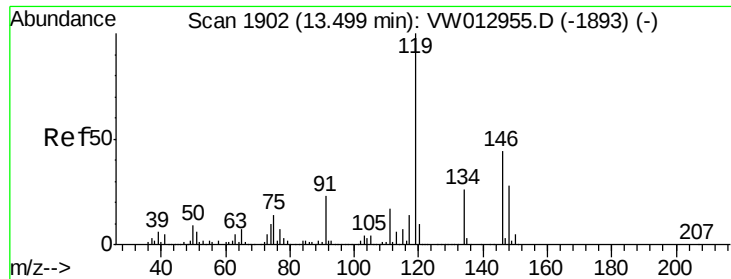
Tgt Ion:105 Resp: 574013
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 47.301 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Tgt Ion:119 Resp: 537345
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 23.6 11.8 35.4

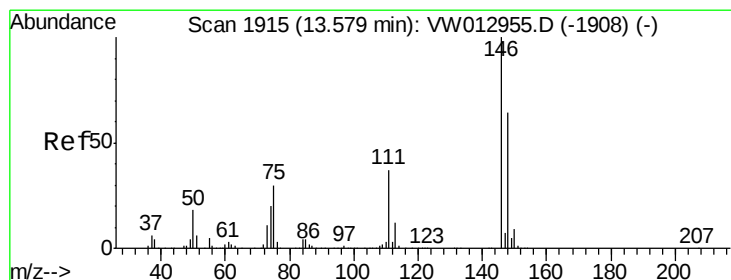
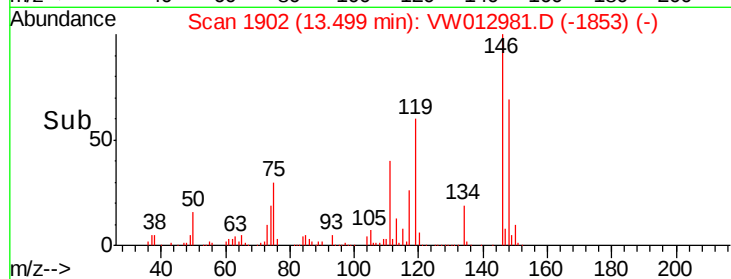
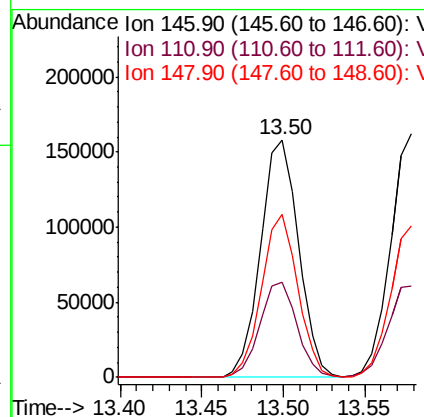
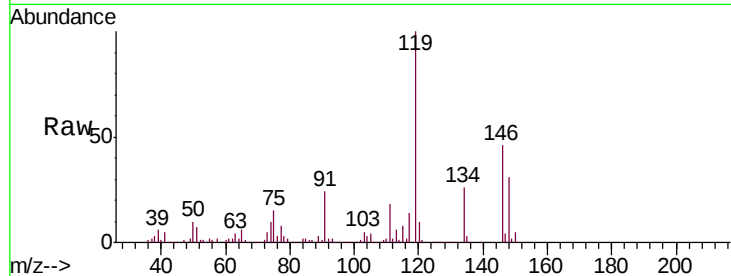




#87
 1,3-Dichlorobenzene
 Concen: 46.667 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

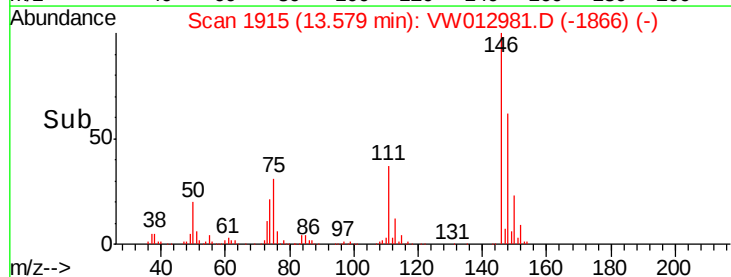
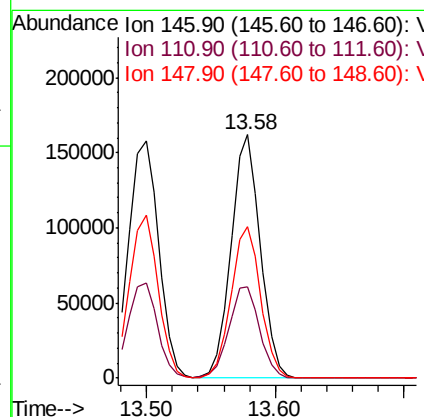
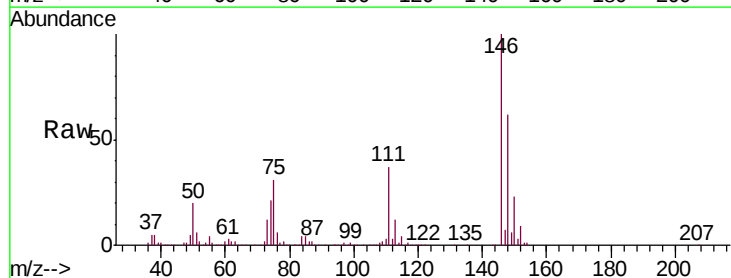
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

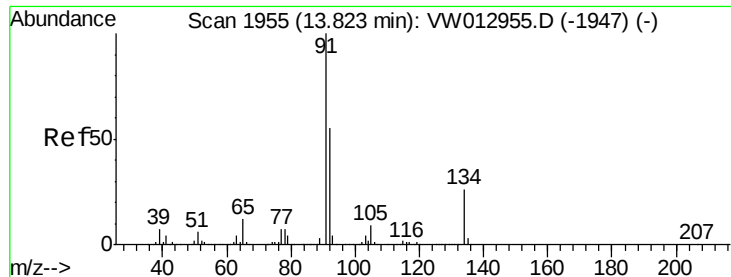
Tgt Ion:146 Resp: 255417
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.8 59.4
 148 65.8 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 47.743 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Tgt Ion:146 Resp: 256786
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.4 58.2
 148 63.0 31.9 95.5





#89

n-Butylbenzene

Concen: 46.571 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

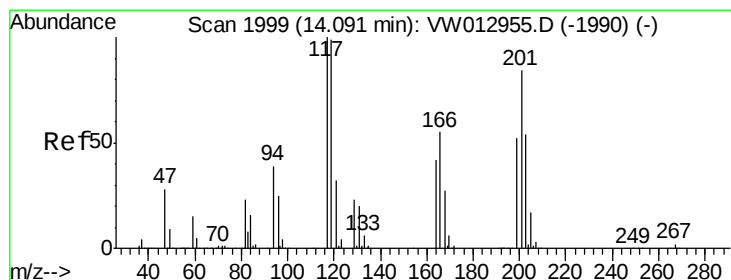
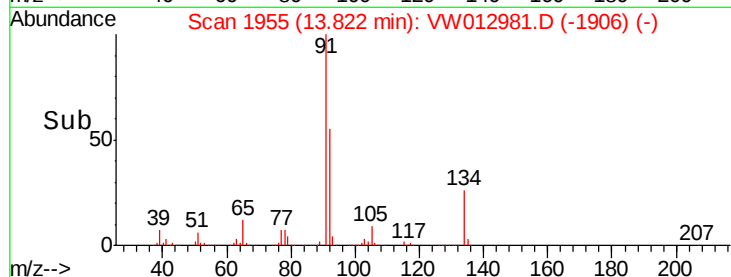
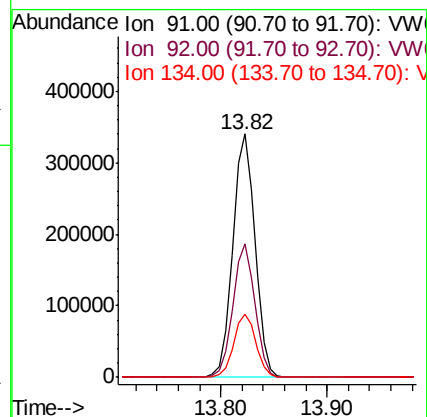
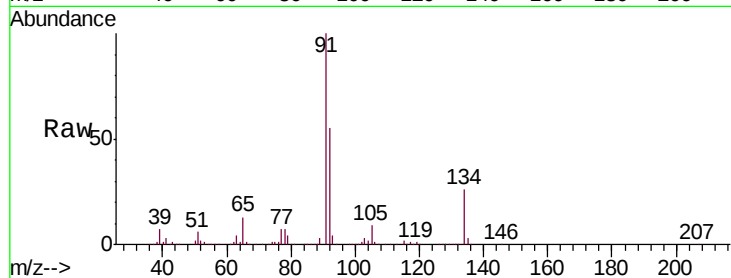
Tgt Ion: 91 Resp: 498940

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.5

134 26.0 13.1 39.1



#90

Hexachloroethane

Concen: 46.758 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012981.D

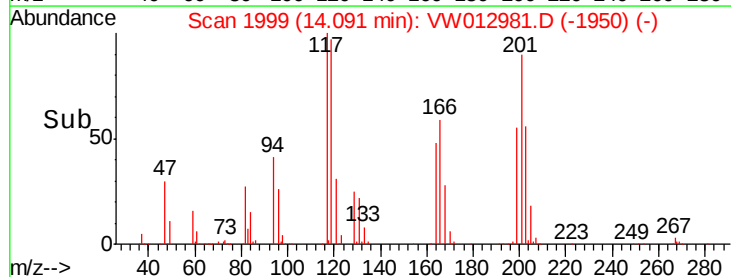
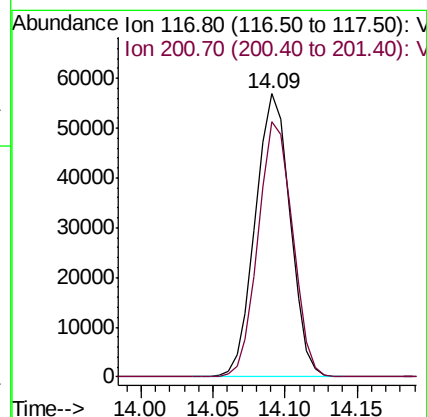
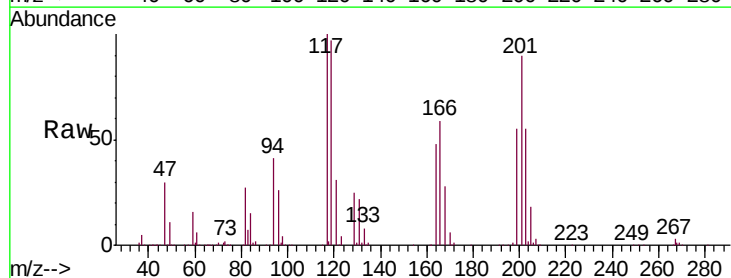
Acq: 14 Sep 2019 03:51

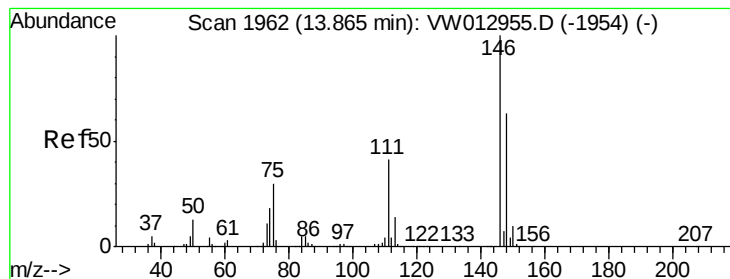
Tgt Ion: 117 Resp: 95188

Ion Ratio Lower Upper

117 100

201 89.0 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 48.107 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

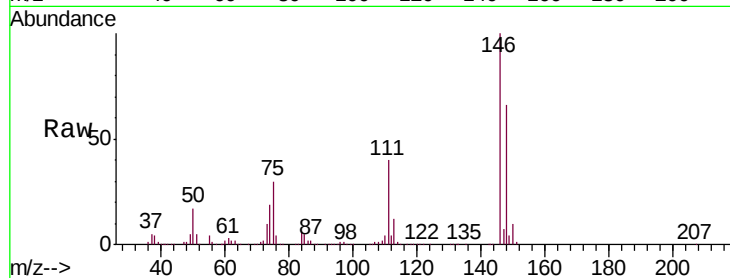
Tgt Ion:146 Resp: 231548

Ion Ratio Lower Upper

146 100

111 40.7 20.8 62.5

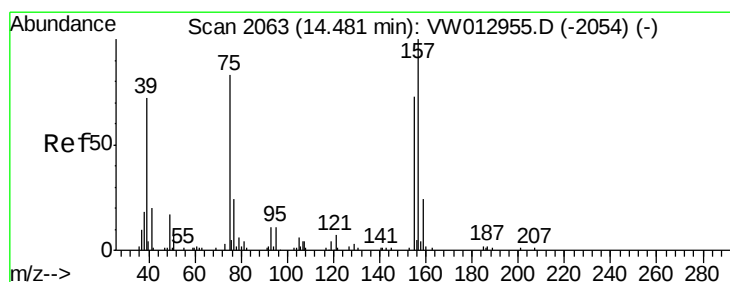
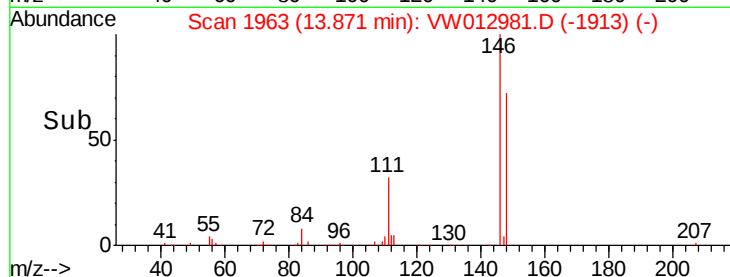
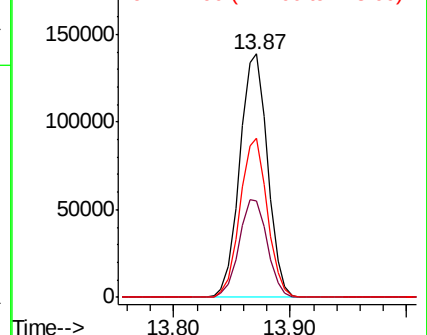
148 64.2 32.7 98.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.667 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

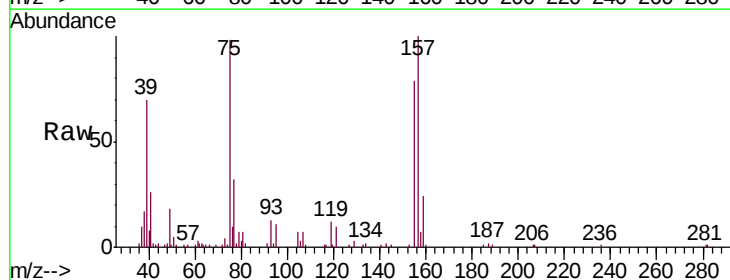
Tgt Ion: 75 Resp: 18006

Ion Ratio Lower Upper

75 100

155 86.8 43.3 129.9

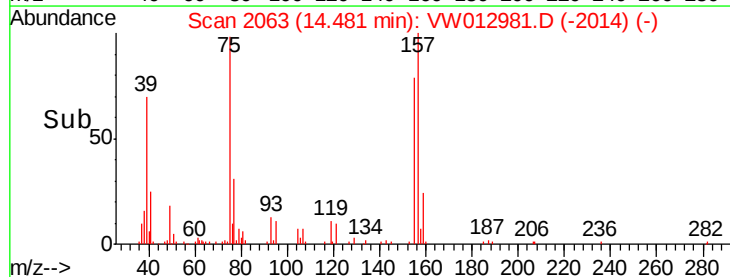
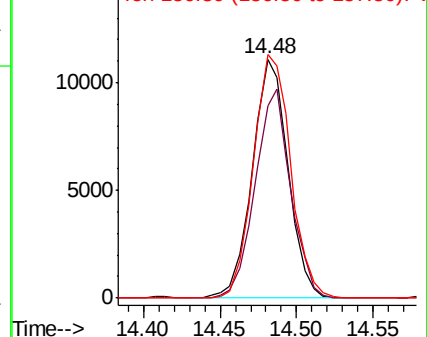
157 106.6 54.7 164.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

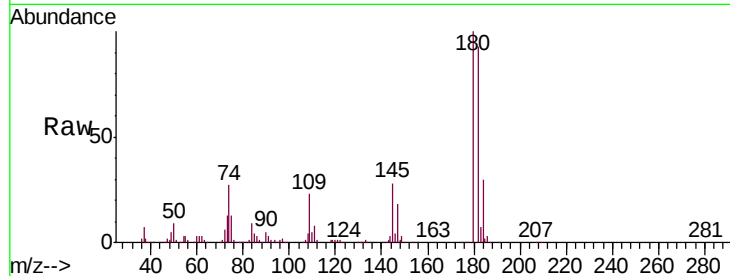




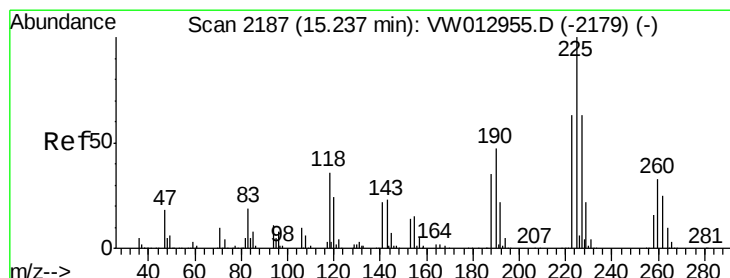
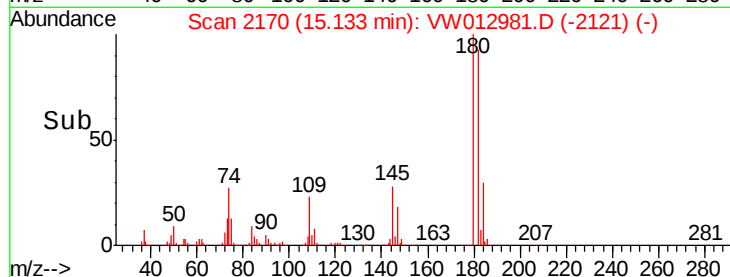
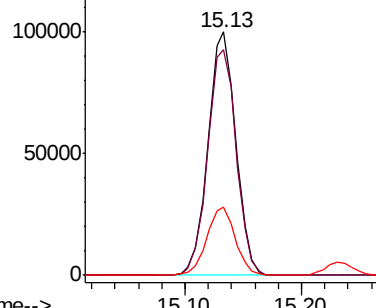
#93
 1,2,4-Trichlorobenzene
 Concen: 48.365 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 166017
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.4 142.2
 145 28.5 14.9 44.7

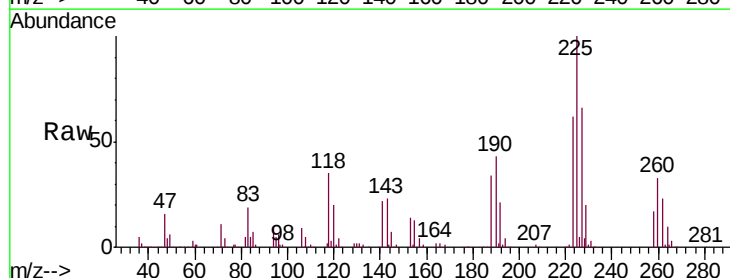


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

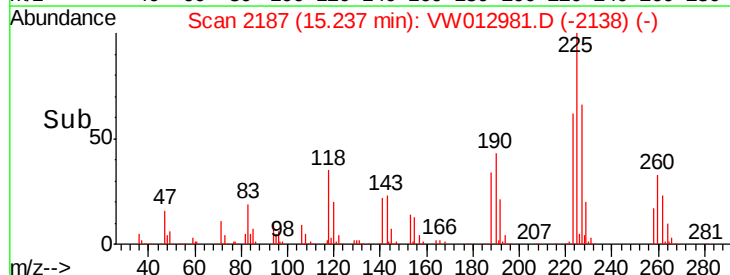
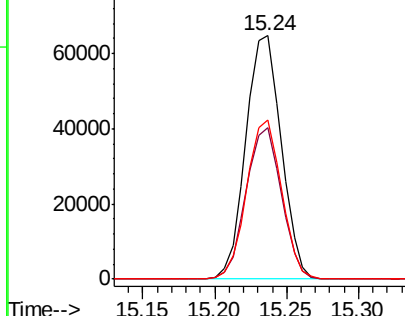


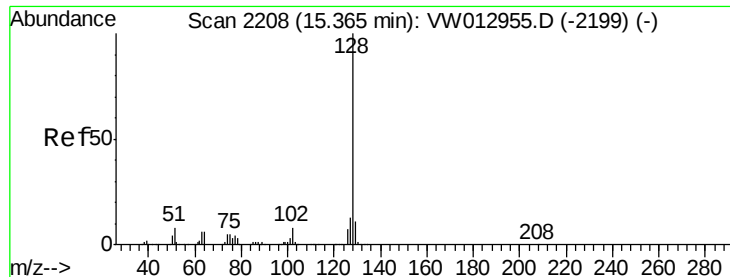
#94
 Hexachlorobutadiene
 Concen: 45.445 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012981.D
 Acq: 14 Sep 2019 03:51

Tgt Ion:225 Resp: 110431
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.8 95.3
 227 64.0 31.3 93.8



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

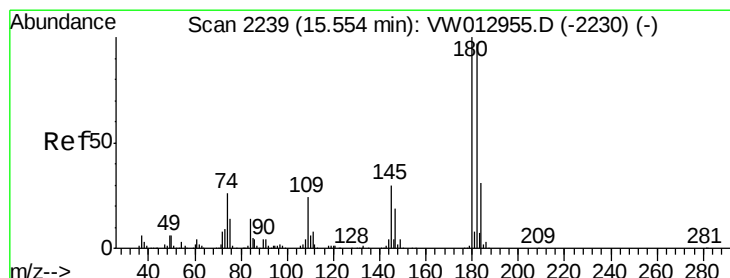
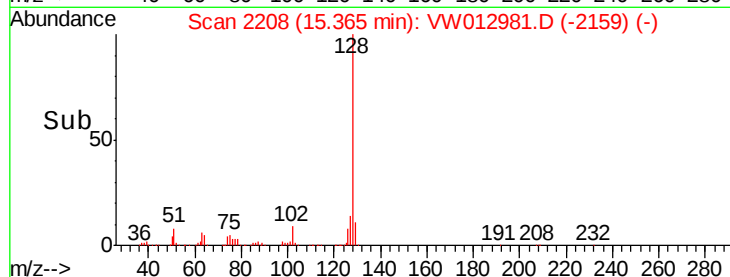
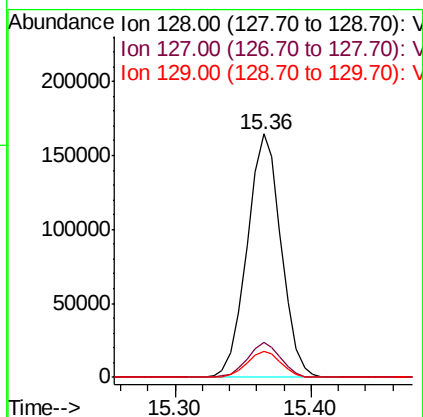
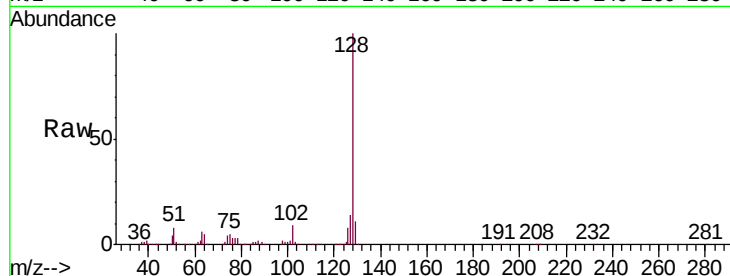




#95
Naphthalene
Concen: 50.174 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 287771
Ion Ratio Lower Upper
128 100
127 14.0 11.0 16.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 47.464 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012981.D
Acq: 14 Sep 2019 03:51

Tgt Ion:180 Resp: 144021
Ion Ratio Lower Upper
180 100
182 95.0 47.6 142.8
145 30.9 15.4 46.2

