

Data File : VW012960.D
Acq On : 13 Sep 2019 18:22
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Sep 14 04:20:15 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	287747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	423166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132220	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	7.88	113	109733	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.32	98	436454	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.62	95	157188	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52549	47.487	ug/l	96
3) Chloromethane	2.21	50	68090	49.086	ug/l	97
4) Vinyl Chloride	2.36	62	93960	45.620	ug/l	99
5) Bromomethane	2.77	94	58600	46.590	ug/l	96
6) Chloroethane	2.92	64	58462	46.281	ug/l	99
7) Trichlorofluoromethane	3.25	101	65067	45.177	ug/l	98
8) Diethyl Ether	3.68	74	54390	48.364	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	100979	46.227	ug/l	98
10) Methyl Iodide	4.27	142	128637	47.054	ug/l	99
11) Tert butyl alcohol	5.18	59	46139	257.865	ug/l	97
12) 1,1-Dichloroethene	4.04	96	92142	46.391	ug/l	94
13) Acrolein	3.89	56	48181	245.812	ug/l	97
14) Allyl chloride	4.66	41	181017	48.007	ug/l	99
15) Acrylonitrile	5.37	53	144107	250.888	ug/l	98
16) Acetone	4.12	43	146736	254.838	ug/l	100
17) Carbon Disulfide	4.38	76	177636	44.879	ug/l	100
18) Methyl Acetate	4.67	43	73470	48.525	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	197142	50.283	ug/l	98
20) Methylene Chloride	4.91	84	107871	50.271	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	97738	45.945	ug/l	96
22) Diisopropyl ether	6.31	45	386144	49.295	ug/l	99
23) Vinyl Acetate	6.25	43	1205805	257.010	ug/l	99
24) 1,1-Dichloroethane	6.21	63	212623	47.078	ug/l	98
25) 2-Butanone	7.17	43	210367	248.944	ug/l	96
26) 2,2-Dichloropropane	7.17	77	139946	48.714	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	120100	47.157	ug/l	100
28) Bromochloromethane	7.51	49	103272	54.326	ug/l #	97
29) Tetrahydrofuran	7.53	42	125106	259.832	ug/l	98
30) Chloroform	7.67	83	214254	46.688	ug/l	100
31) Cyclohexane	7.95	56	166038	48.879	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	176814	46.787	ug/l	99
36) 1,1-Dichloropropene	8.08	75	154606	45.722	ug/l	99
37) Ethyl Acetate	7.25	43	88779	49.464	ug/l	98
38) Carbon Tetrachloride	8.06	117	158726	45.805	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	169287	45.687	ug/l	98
40) Benzene	8.32	78	435345	46.118	ug/l	99
41) Methacrylonitrile	7.48	41	56706	47.976	ug/l	98
42) 1,2-Dichloroethane	8.40	62	149811	47.342	ug/l	99
43) Isopropyl Acetate	8.42	43	172814	50.147	ug/l	97
44) Trichloroethene	9.09	130	117512	45.447	ug/l	96
45) 1,2-Dichloropropane	9.37	63	117505	46.851	ug/l	96
46) Dibromomethane	9.46	93	57630	47.961	ug/l	99
47) Bromodichloromethane	9.64	83	163585	48.535	ug/l	98
48) Methyl methacrylate	9.43	41	82456	50.983	ug/l	96
49) 1,4-Dioxane	9.46	88	20124	999.488	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	451192	253.597	ug/l	100
52) Toluene	10.38	92	279696	46.628	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	165472	48.815	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	190041	48.998	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90152	49.250	ug/l	94
56) Ethyl methacrylate	10.65	69	126317	51.267	ug/l	98
57) 1,3-Dichloropropane	10.93	76	155221	47.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	343957	260.235	ug/l	100
59) 2-Hexanone	10.97	43	315786	254.901	ug/l	100
60) Dibromochloromethane	11.13	129	107670	48.652	ug/l	98
61) 1,2-Dibromoethane	11.23	107	81375	48.732	ug/l	99
64) Tetrachloroethene	10.86	164	97784	44.730	ug/l	99
65) Chlorobenzene	11.66	112	304839	46.572	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	119672	47.709	ug/l	99
67) Ethyl Benzene	11.73	91	565435	46.774	ug/l	99
68) m/p-Xylenes	11.84	106	417772	94.601	ug/l	100
69) o-Xylene	12.16	106	198804	48.017	ug/l	99
70) Styrene	12.18	104	353688	48.022	ug/l	100
71) Bromoform	12.35	173	65817	49.954	ug/l #	100
73) Isopropylbenzene	12.46	105	575995	46.544	ug/l	99
74) N-amyl acetate	12.27	43	162219	50.957	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	105032	48.322	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	140797	86.093	ug/l #	100
77) Bromobenzene	12.74	156	132507	46.478	ug/l	99
78) n-propylbenzene	12.80	91	677436	46.536	ug/l	99
79) 2-Chlorotoluene	12.89	91	391302	46.760	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	491678	46.963	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35647	49.446	ug/l	100
82) 4-Chlorotoluene	12.99	91	409664	46.397	ug/l	99
83) tert-Butylbenzene	13.21	119	433902	46.334	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	487549	47.126	ug/l	100
85) sec-Butylbenzene	13.38	105	593904	46.549	ug/l	99
86) p-Isopropyltoluene	13.50	119	546766	46.676	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	261446	46.325	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	258453	46.601	ug/l	100
89) n-Butylbenzene	13.82	91	519635	47.037	ug/l	99
90) Hexachloroethane	14.09	117	96830	46.127	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	235232	47.396	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19533	49.095	ug/l	95

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

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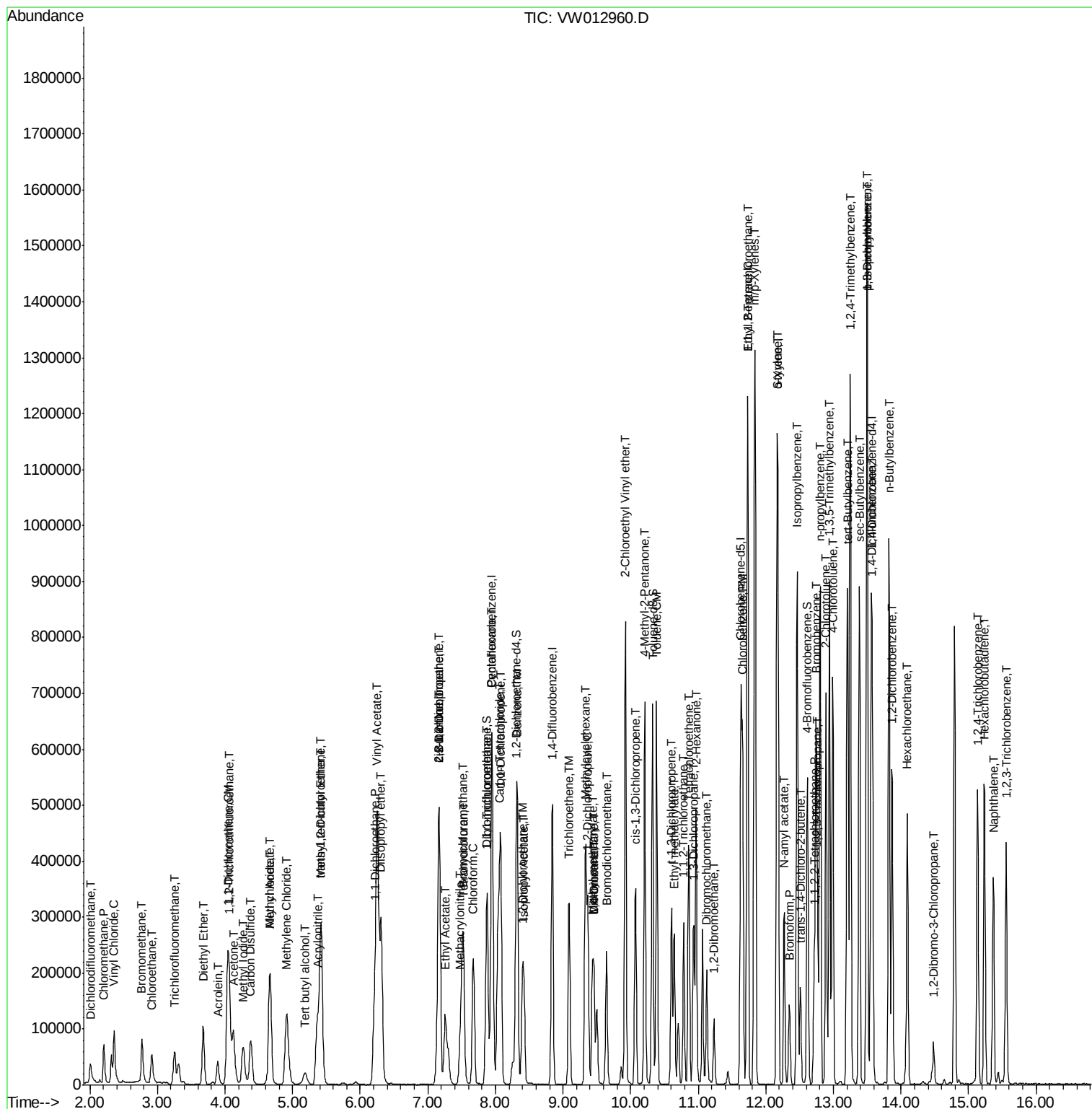
Quant Time: Sep 14 04:20:15 2019
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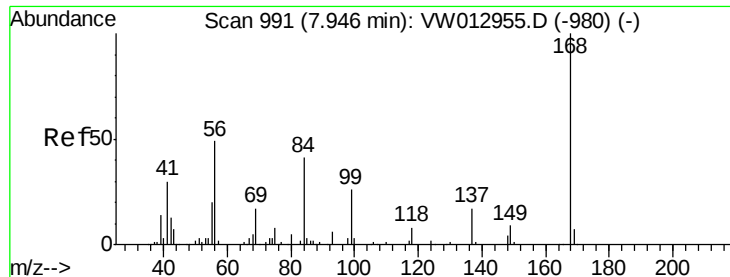
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	172887	48.844	ug/l	98
94) Hexachlorobutadiene	15.24	225	115371	46.043	ug/l	99
95) Naphthalene	15.36	128	315743	53.388	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	155598	49.729	ug/l	100

(#) = 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

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

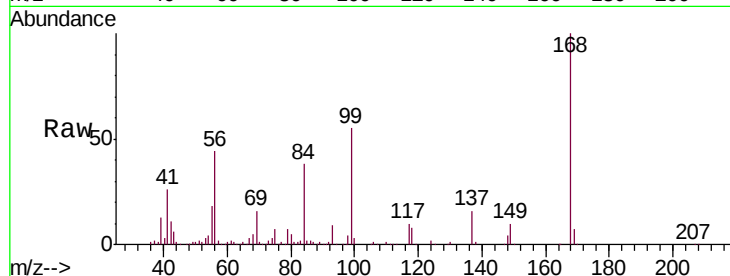
VSTDCCC050

Tgt Ion:168 Resp: 287747

Ion Ratio Lower Upper

168 100

99 55.3 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

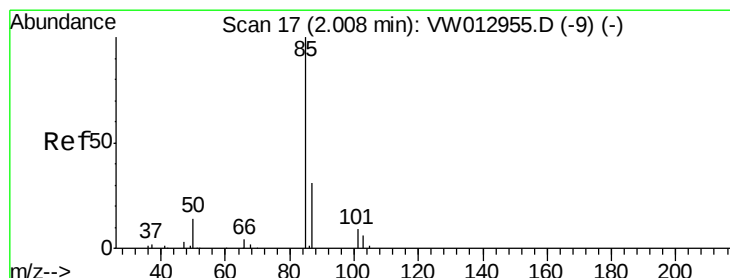
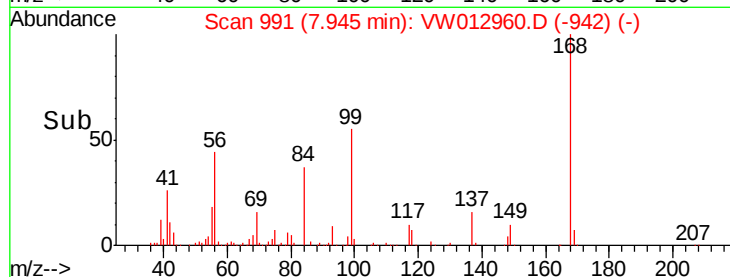
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 47.487 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012960.D

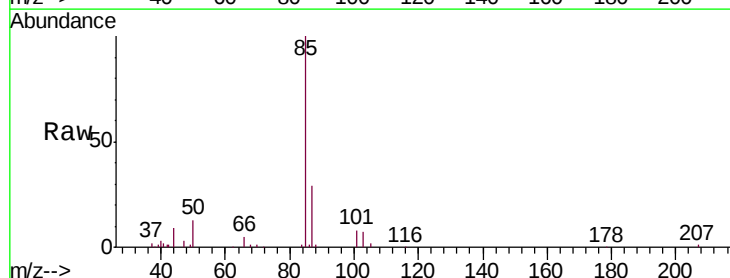
Acq: 13 Sep 2019 18:22

Tgt Ion: 85 Resp: 52549

Ion Ratio Lower Upper

85 100

87 28.6 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

20000

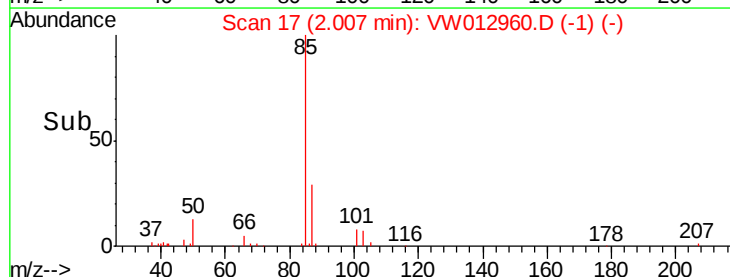
15000

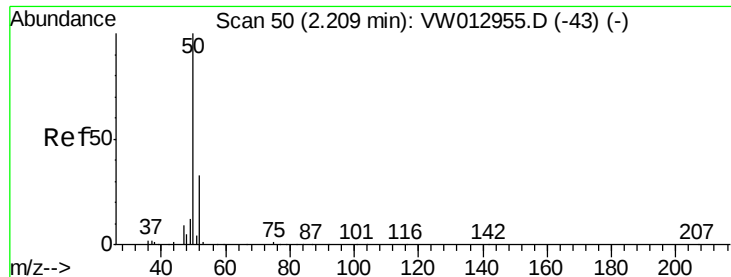
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 49.086 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

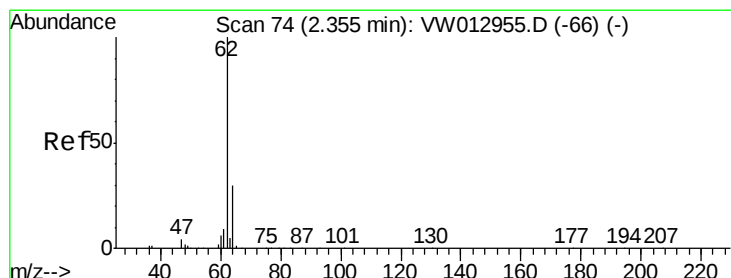
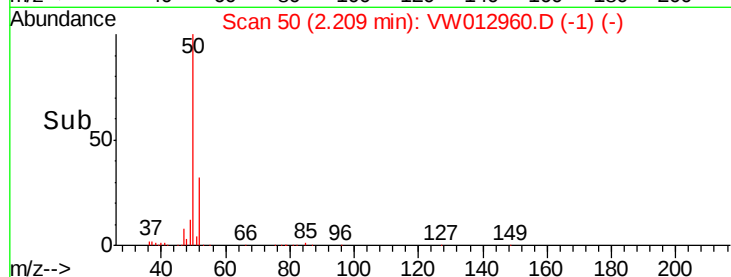
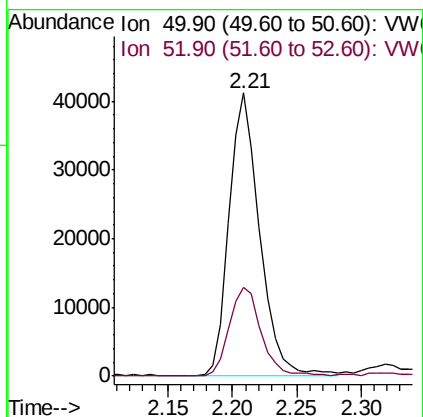
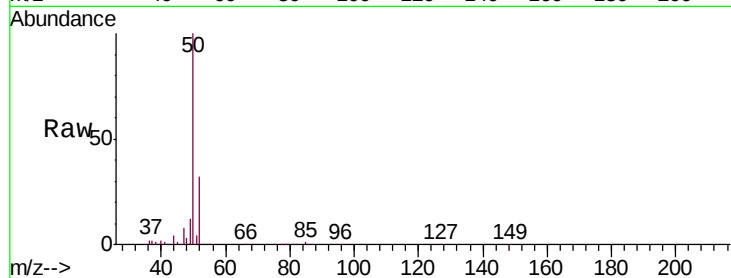
VSTDCCC050

Tgt Ion: 50 Resp: 68090

Ion Ratio Lower Upper

50 100

52 31.6 26.6 39.8



#4

Vinyl Chloride

Concen: 45.620 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012960.D

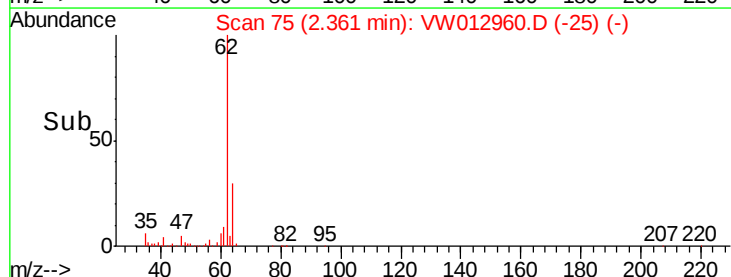
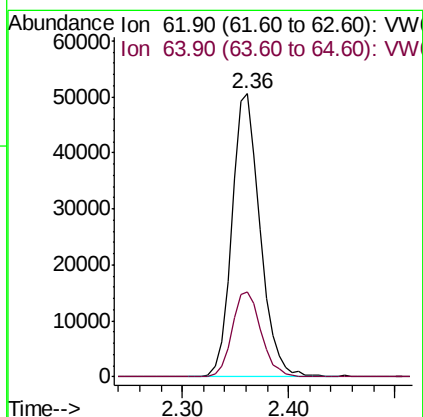
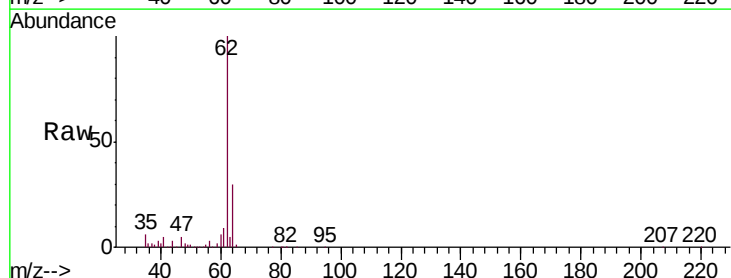
Acq: 13 Sep 2019 18:22

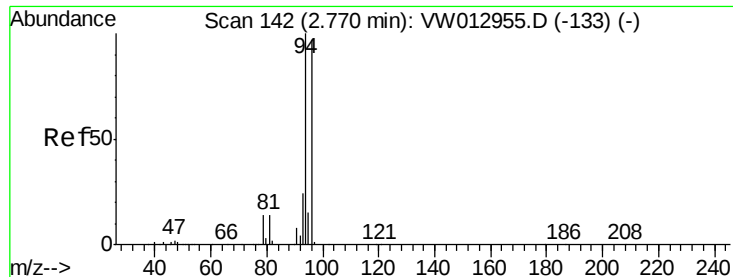
Tgt Ion: 62 Resp: 93960

Ion Ratio Lower Upper

62 100

64 29.9 24.2 36.4





#5

Bromomethane

Concen: 46.590 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

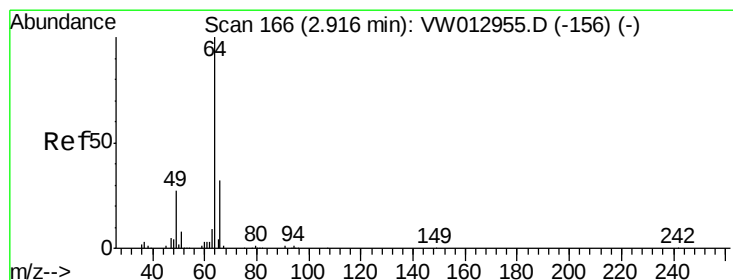
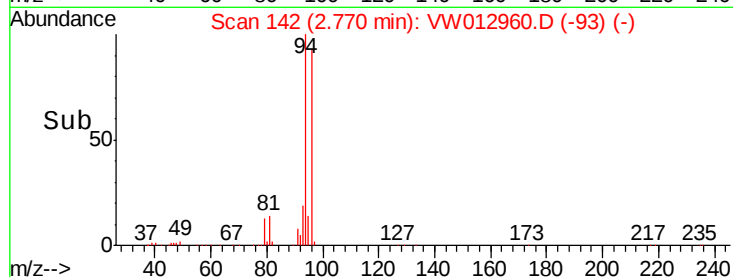
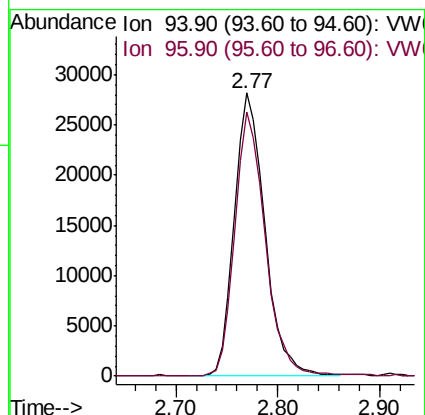
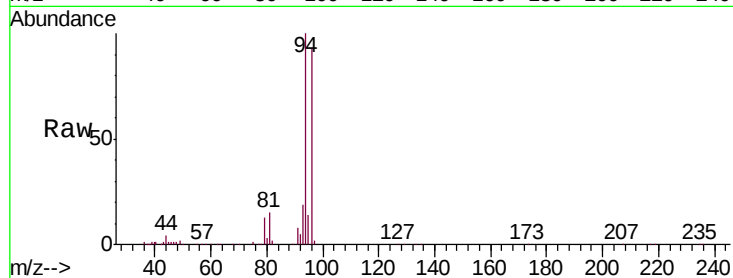
VSTDCCC050

Tgt Ion: 94 Resp: 58600

Ion Ratio Lower Upper

94 100

96 93.3 77.8 116.6



#6

Chloroethane

Concen: 46.281 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012960.D

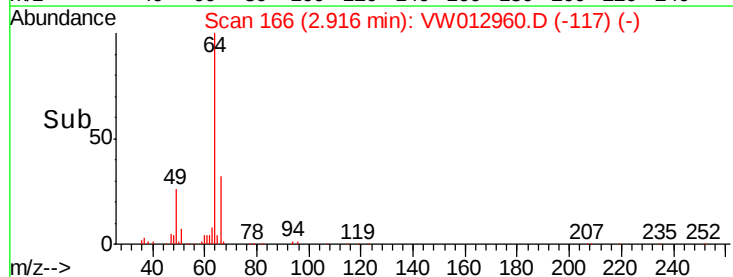
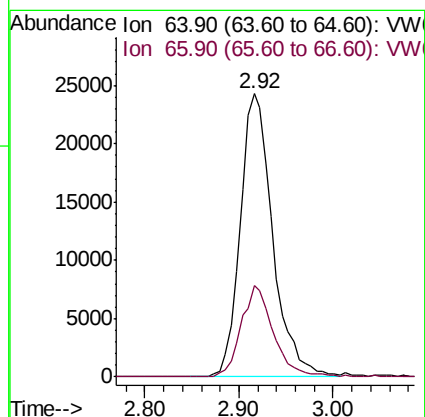
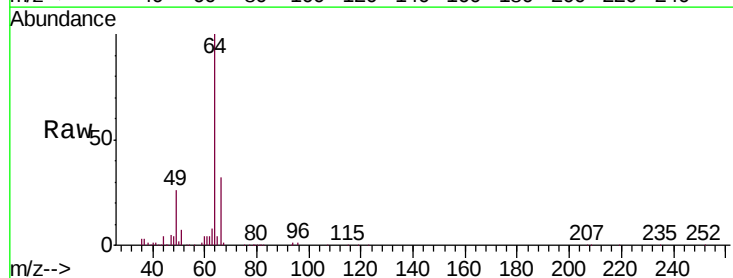
Acq: 13 Sep 2019 18:22

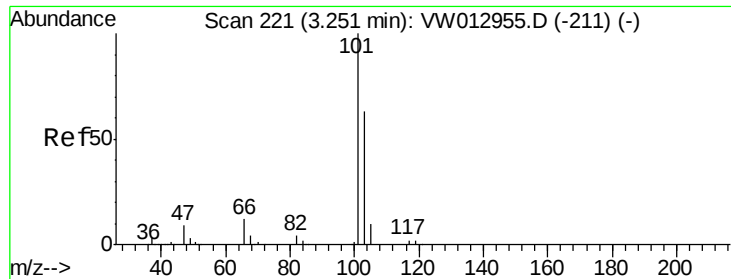
Tgt Ion: 64 Resp: 58462

Ion Ratio Lower Upper

64 100

66 31.9 25.9 38.9



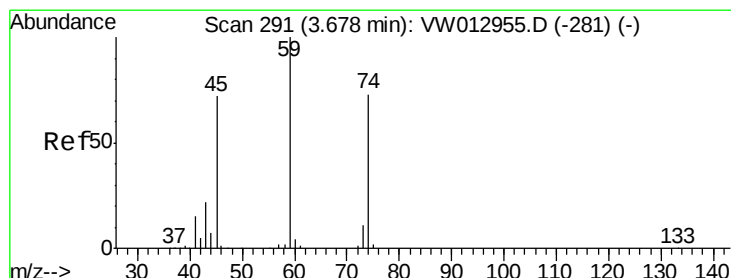
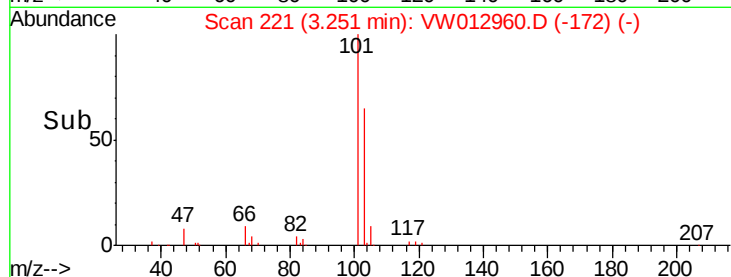
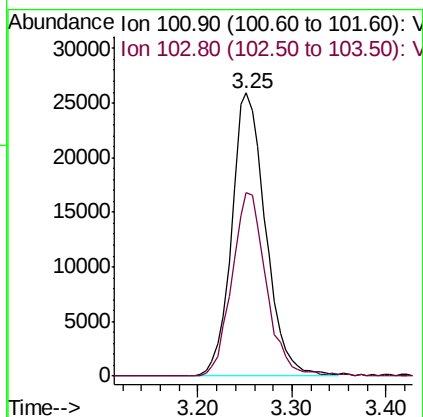
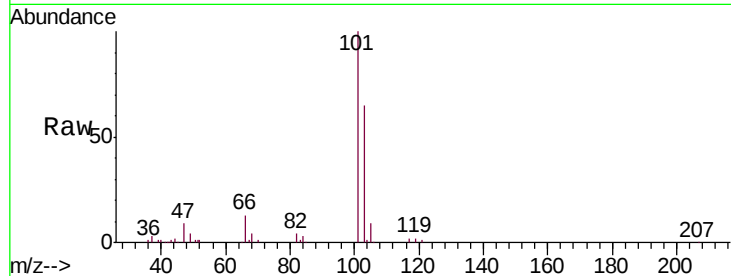


#7

Trichlorofluoromethane
 Concen: 45.177 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
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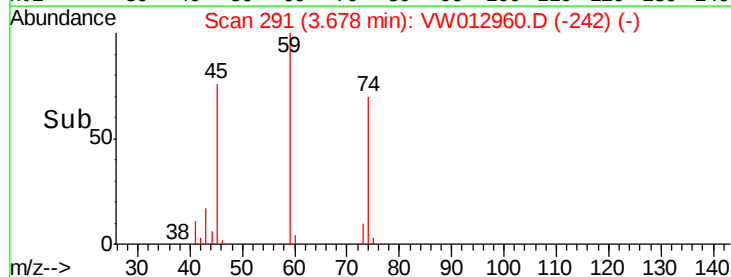
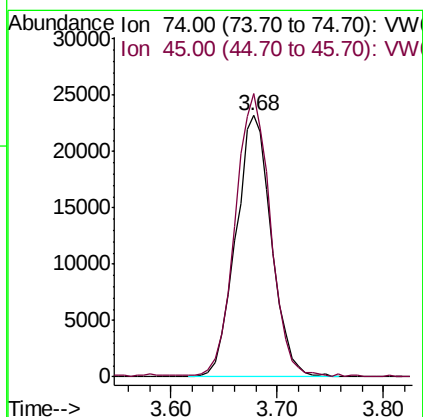
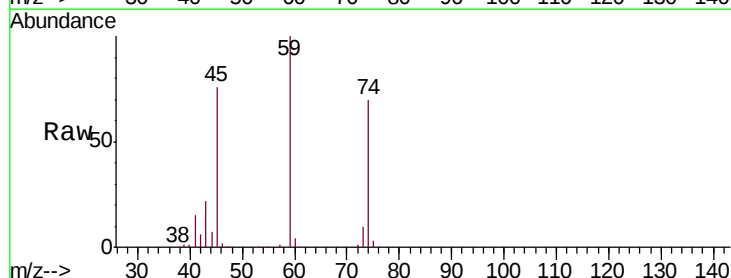
Tgt Ion:101 Resp: 65067
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.7 76.1

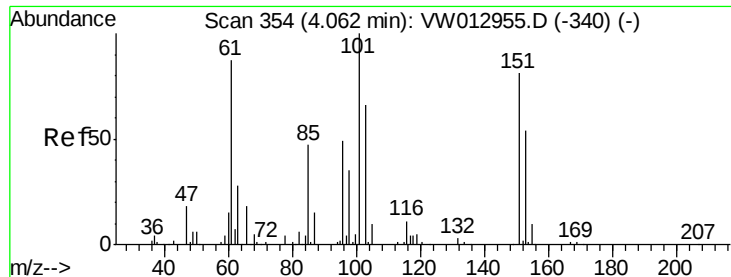


#8

Diethyl Ether
 Concen: 48.364 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion: 74 Resp: 54390
 Ion Ratio Lower Upper
 74 100
 45 106.2 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.227 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

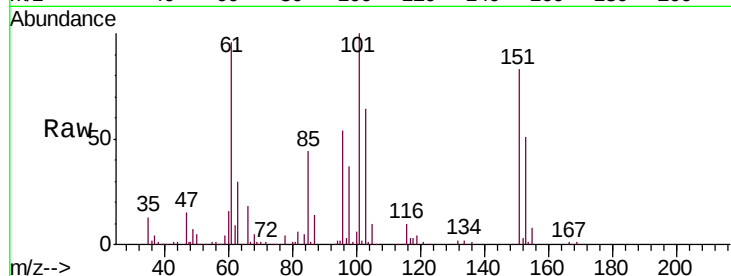
Tgt Ion:101 Resp: 100979

Ion Ratio Lower Upper

101 100

85 44.6 34.9 52.3

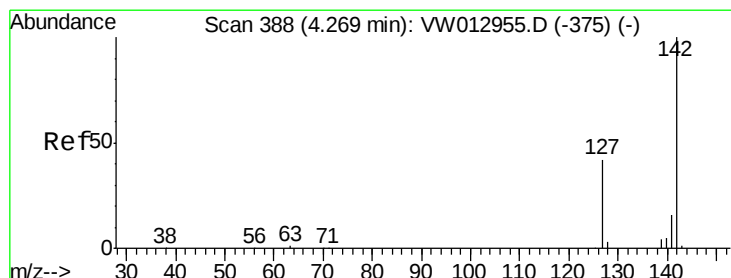
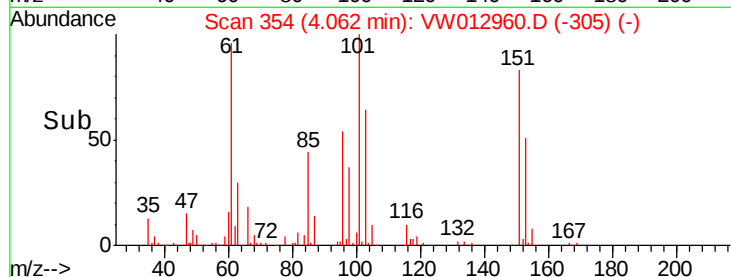
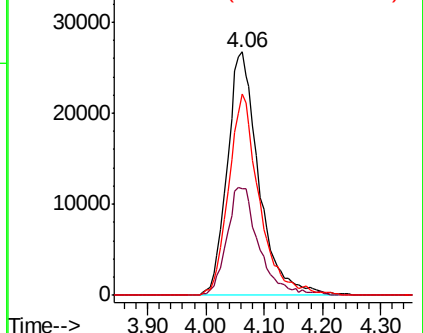
151 80.5 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.054 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

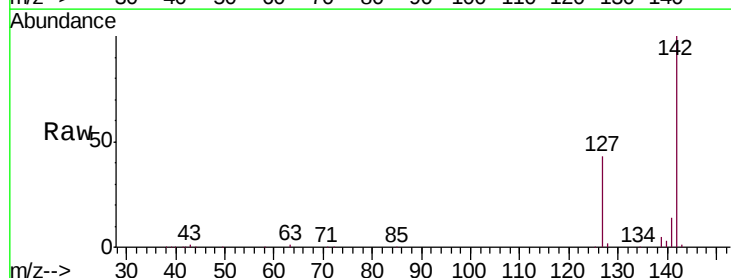
Tgt Ion:142 Resp: 128637

Ion Ratio Lower Upper

142 100

127 43.9 34.7 52.1

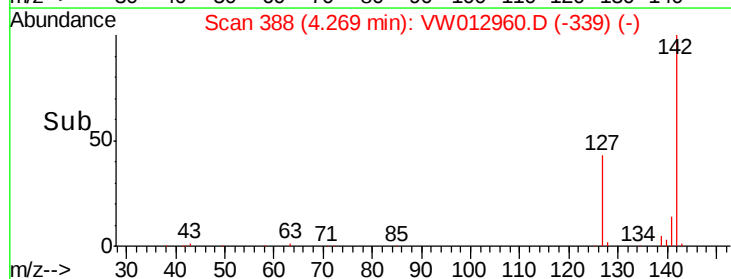
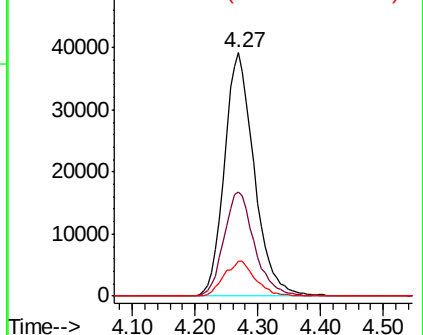
141 15.1 12.2 18.2

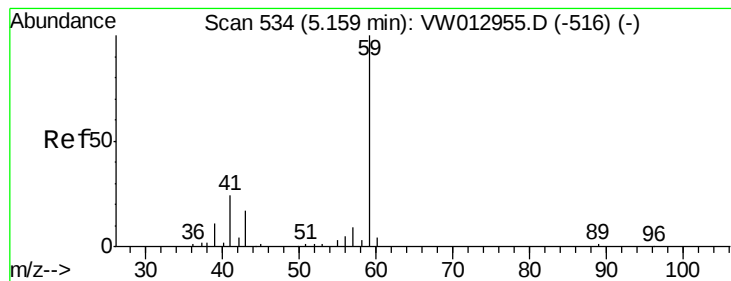


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



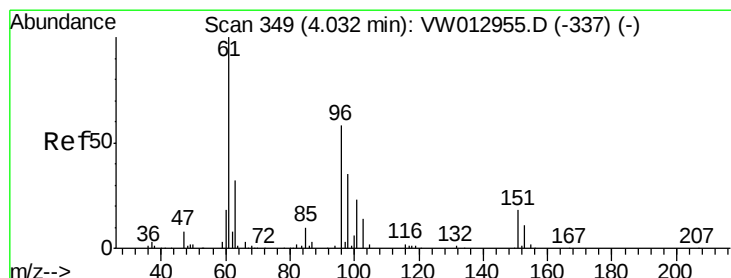
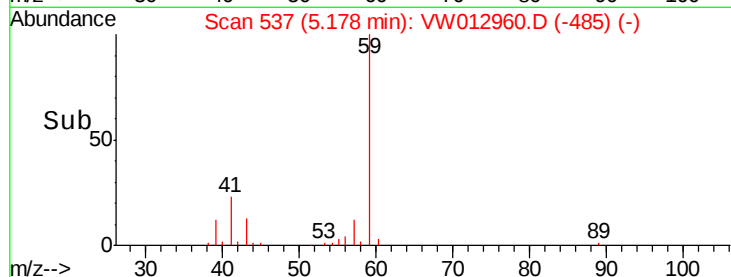
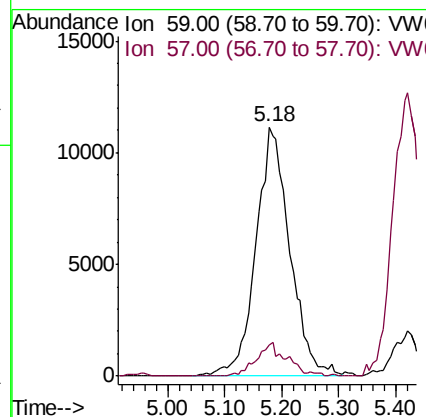
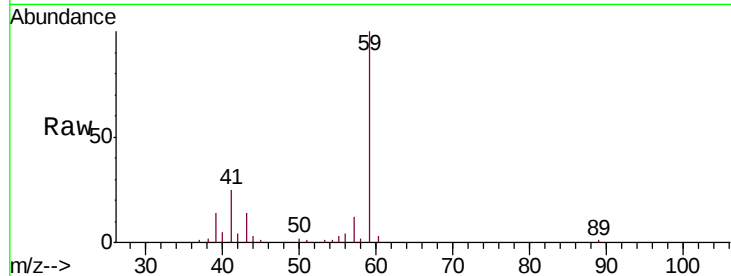


#11

Tert butyl alcohol
 Concen: 257.865 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

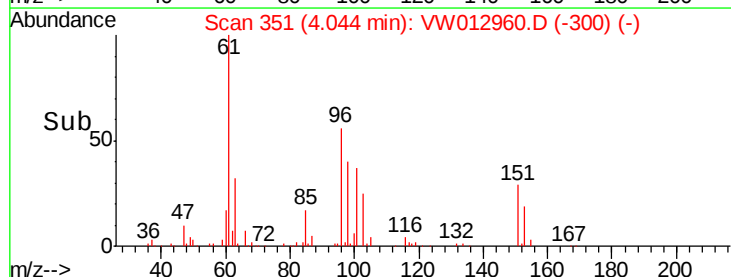
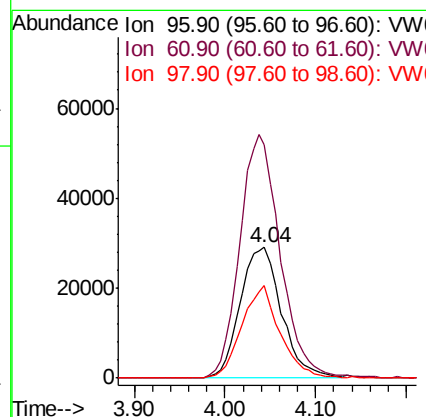
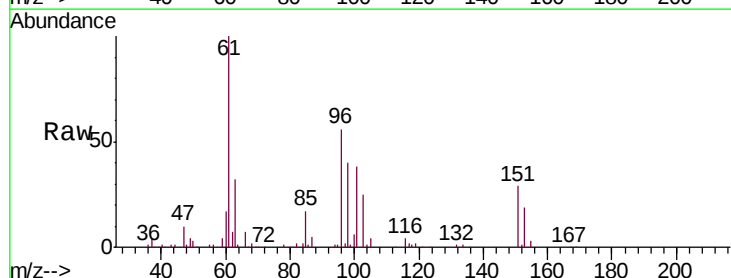
Tgt Ion: 59 Resp: 46139
 Ion Ratio Lower Upper
 59 100
 57 11.6 8.5 12.7

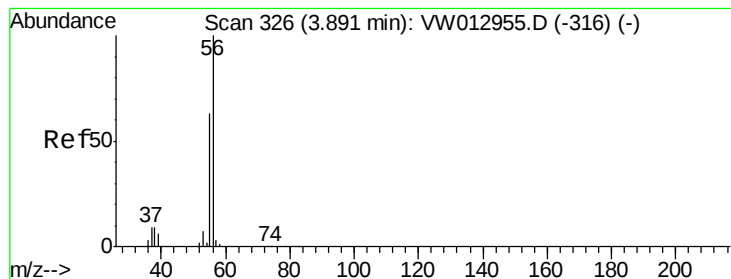


#12

1,1-Dichloroethene
 Concen: 46.391 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion: 96 Resp: 92142
 Ion Ratio Lower Upper
 96 100
 61 178.3 137.9 206.9
 98 70.8 48.9 73.3





#13

Acrolein

Concen: 245.812 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

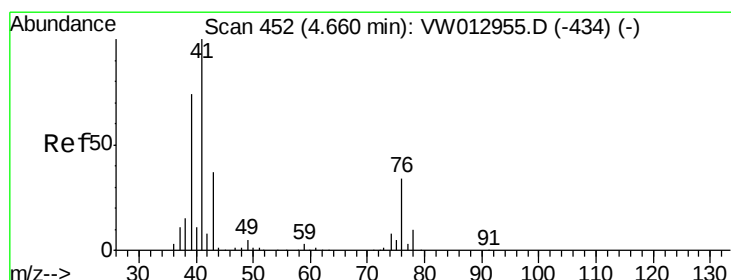
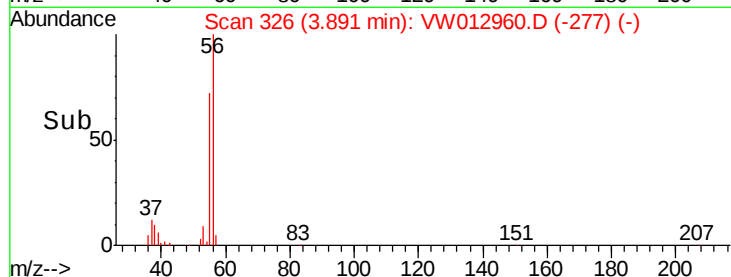
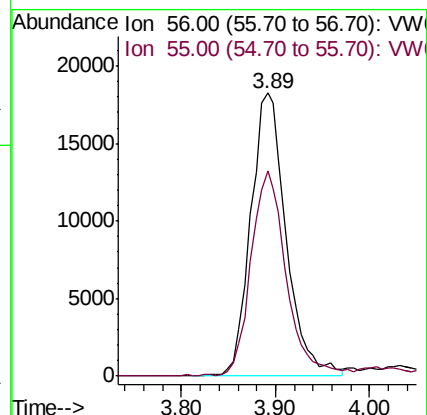
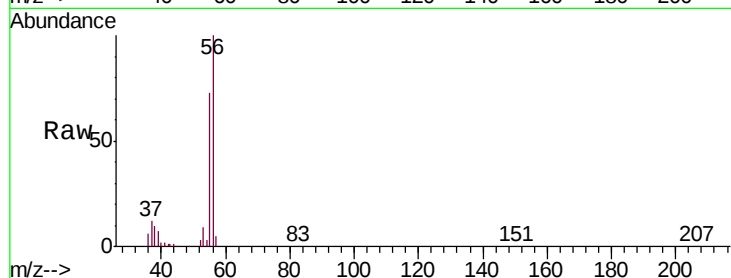
VSTDCCC050

Tgt Ion: 56 Resp: 48181

Ion Ratio Lower Upper

56 100

55 72.6 55.8 83.8



#14

Allyl chloride

Concen: 48.007 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

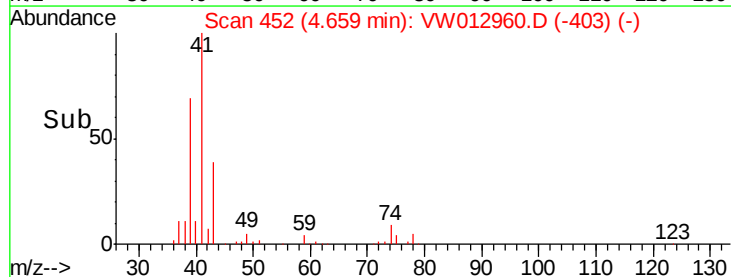
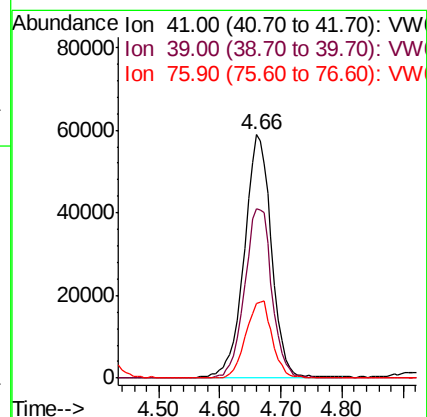
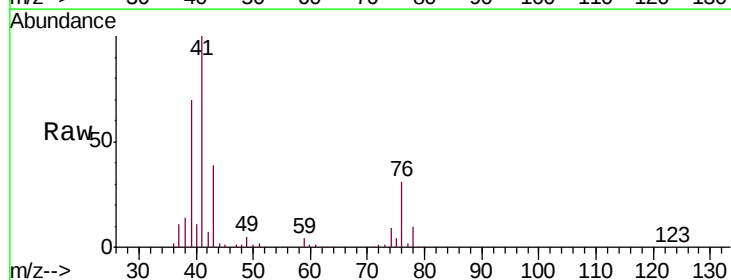
Tgt Ion: 41 Resp: 181017

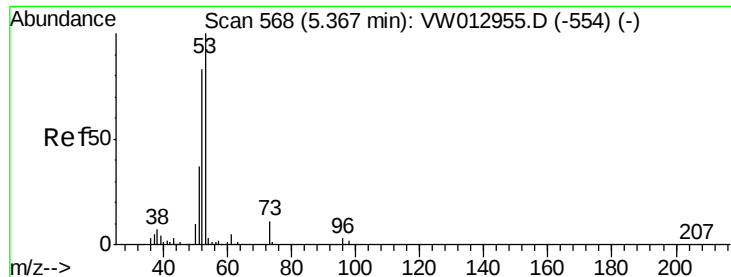
Ion Ratio Lower Upper

41 100

39 70.0 56.7 85.1

76 30.7 25.1 37.7





#15

Acrylonitrile

Concen: 250.888 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

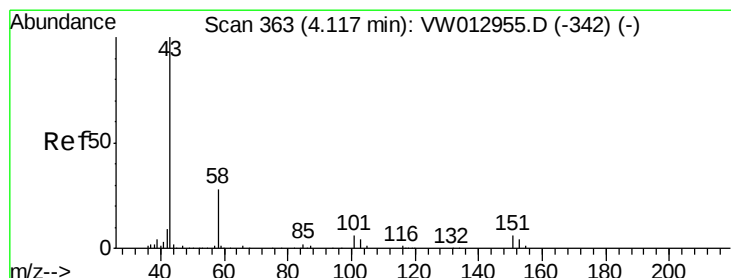
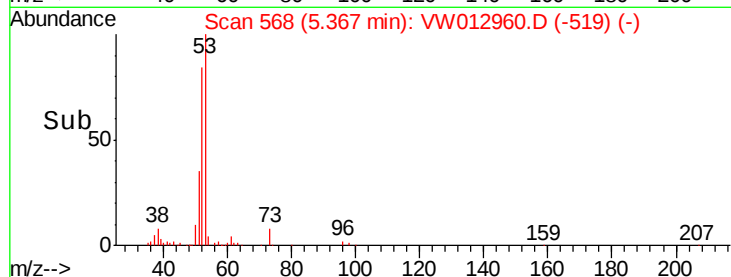
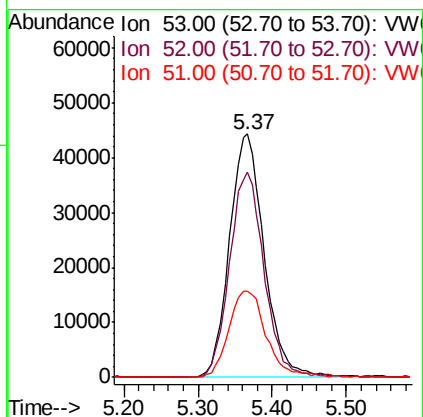
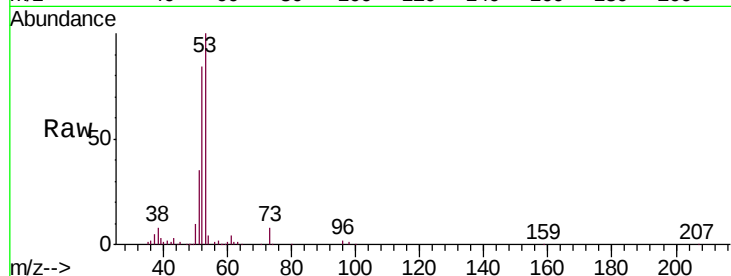
Tgt Ion: 53 Resp: 144107

Ion Ratio Lower Upper

53 100

52 84.6 66.6 100.0

51 38.3 29.8 44.8



#16

Acetone

Concen: 254.838 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012960.D

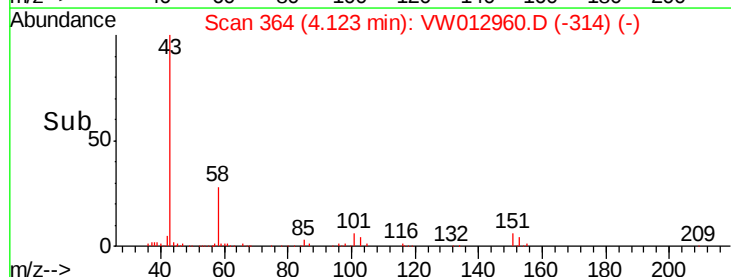
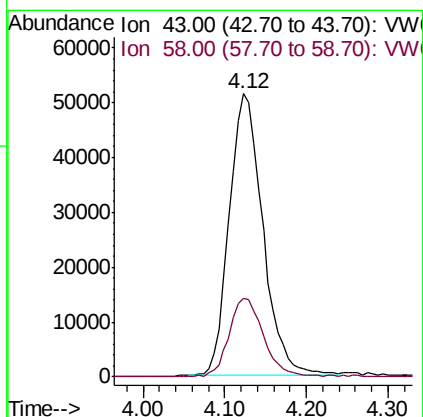
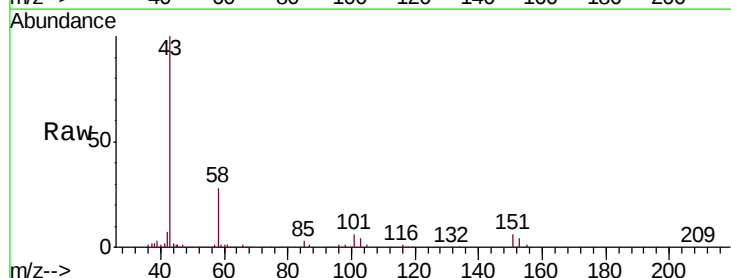
Acq: 13 Sep 2019 18:22

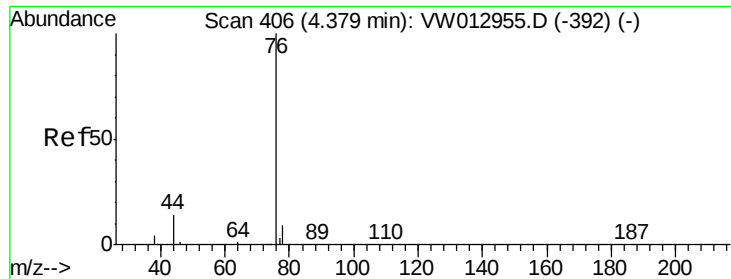
Tgt Ion: 43 Resp: 146736

Ion Ratio Lower Upper

43 100

58 27.9 22.3 33.5

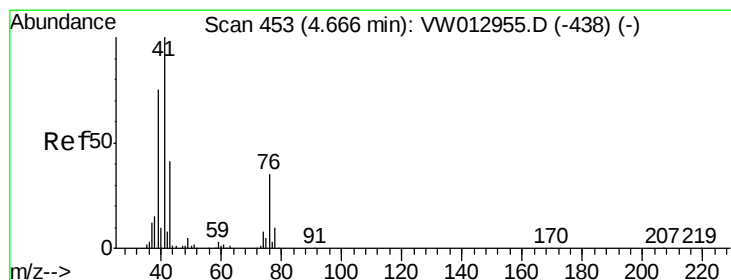
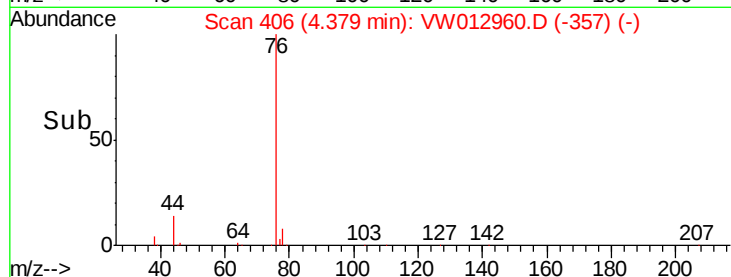
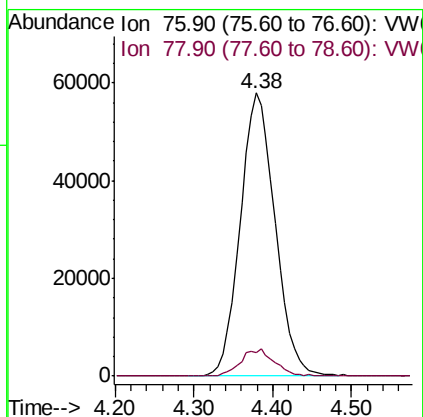
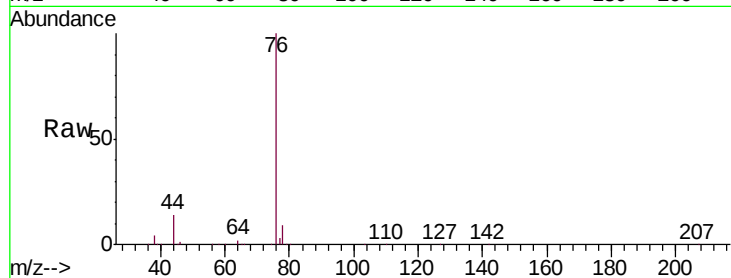




#17
Carbon Disulfide
Concen: 44.879 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

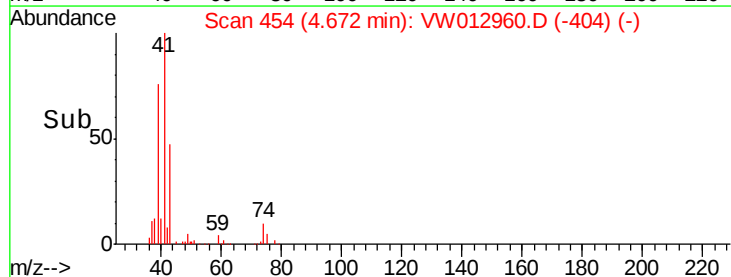
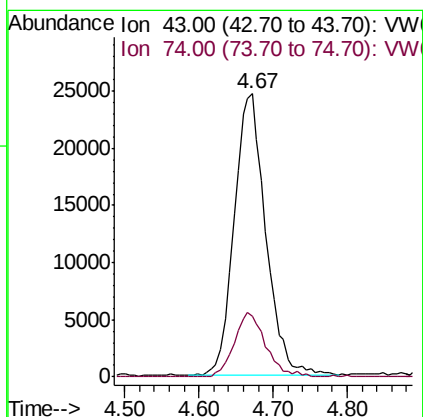
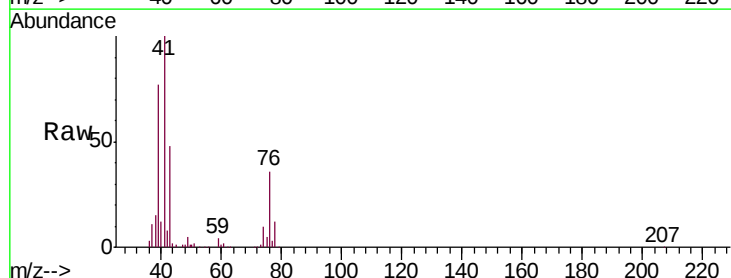
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

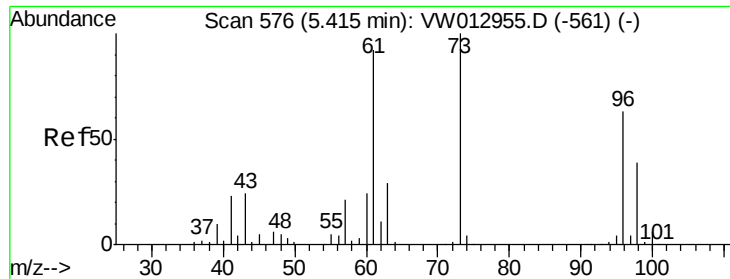
Tgt Ion: 76 Resp: 177636
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4



#18
Methyl Acetate
Concen: 48.525 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 43 Resp: 73470
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.8

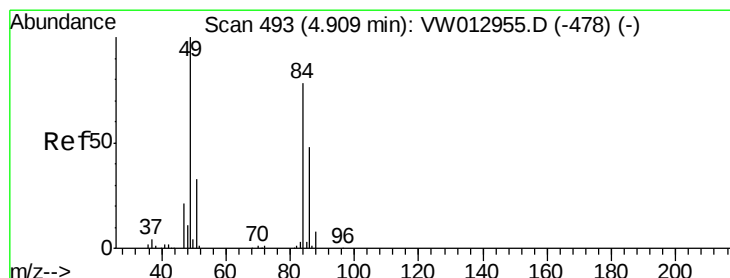
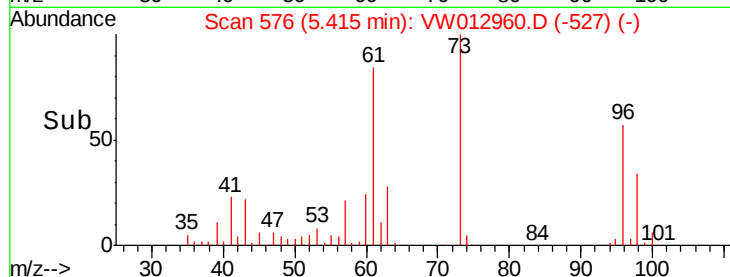
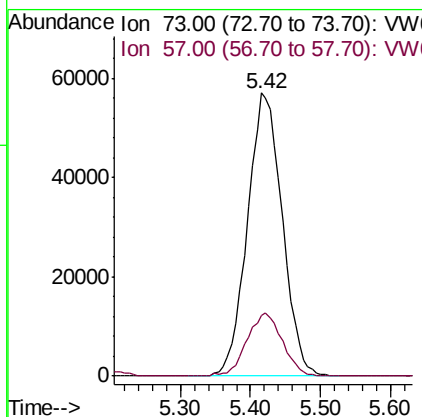
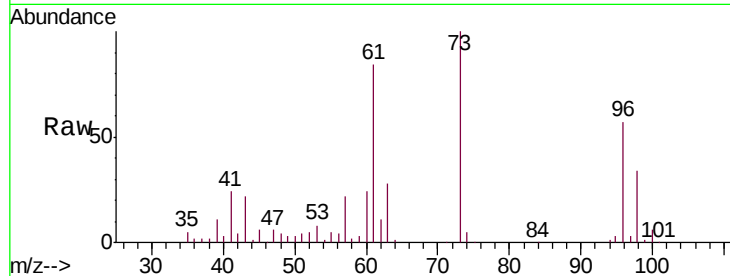




#19
Methyl tert-butyl Ether
Concen: 50.283 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

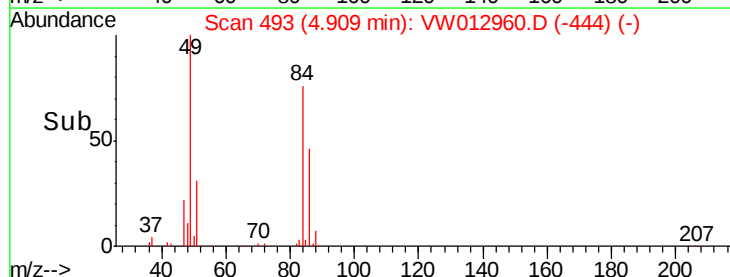
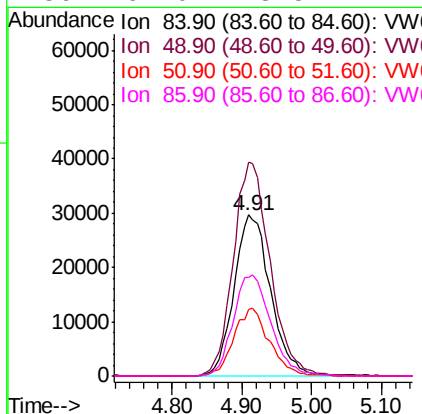
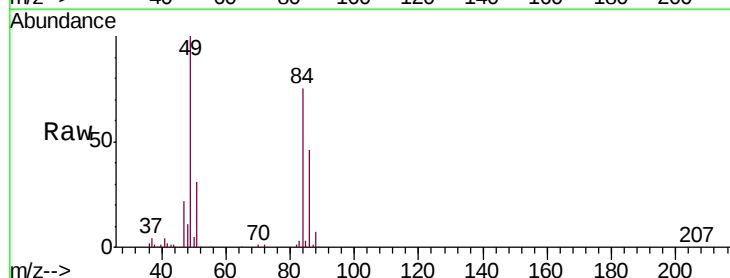
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

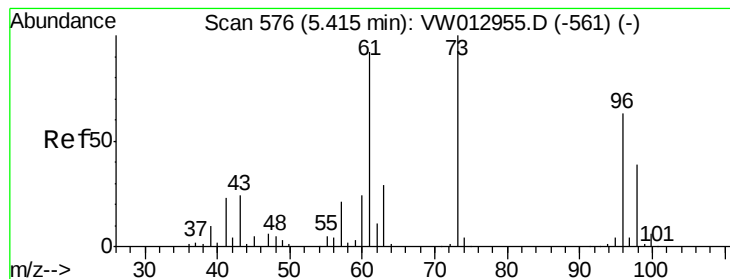
Tgt Ion: 73 Resp: 197142
Ion Ratio Lower Upper
73 100
57 21.7 16.4 24.6



#20
Methylene Chloride
Concen: 50.271 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 84 Resp: 107871
Ion Ratio Lower Upper
84 100
49 132.7 102.0 153.0
51 41.5 34.0 51.0
86 61.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 45.945 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

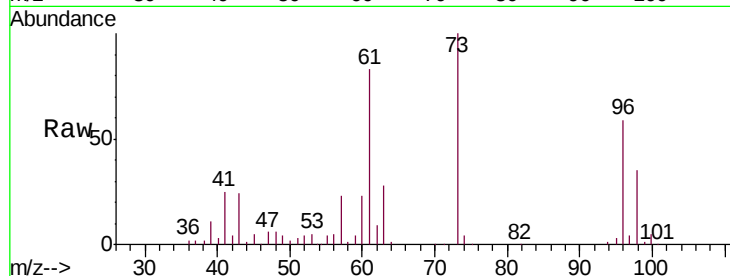
Tgt Ion: 96 Resp: 97738

Ion Ratio Lower Upper

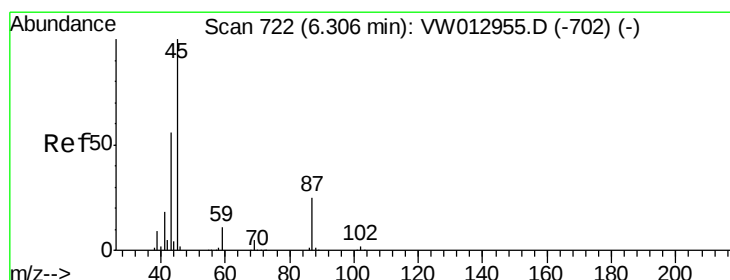
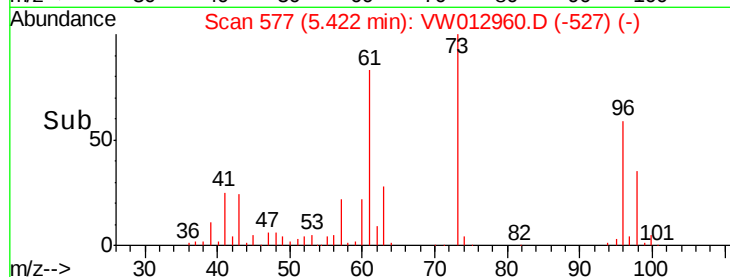
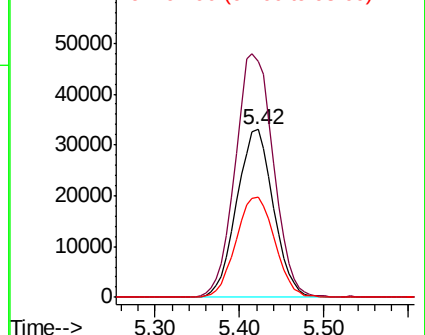
96 100

61 140.7 116.2 174.2

98 59.5 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: 49.295 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Tgt Ion: 45 Resp: 386144

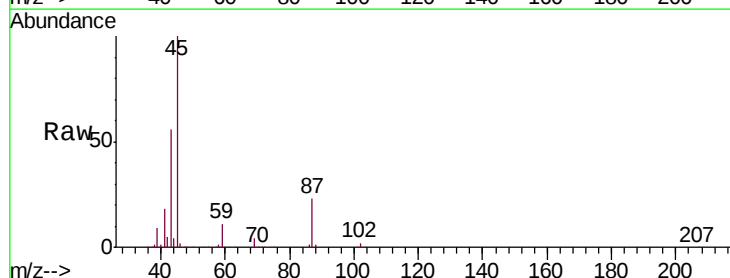
Ion Ratio Lower Upper

45 100

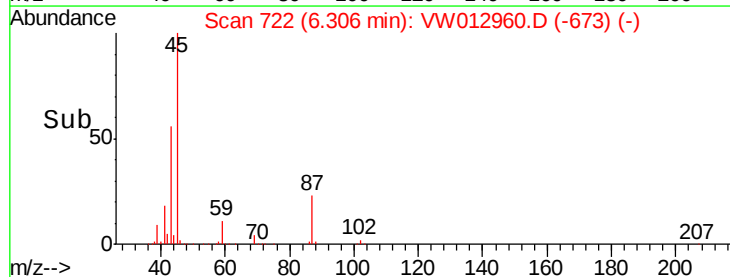
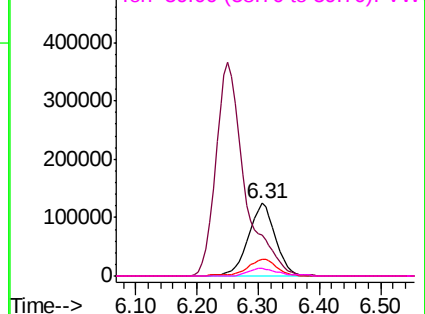
43 55.4 44.6 67.0

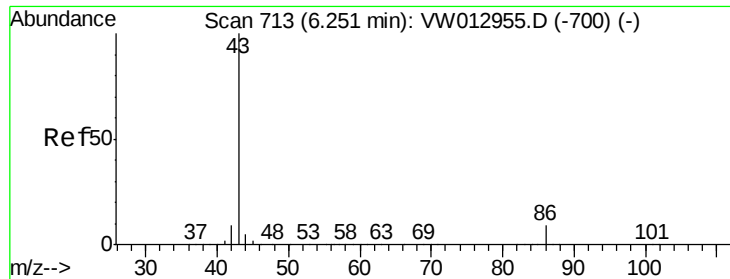
87 23.5 20.0 30.0

59 11.0 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: 257.010 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

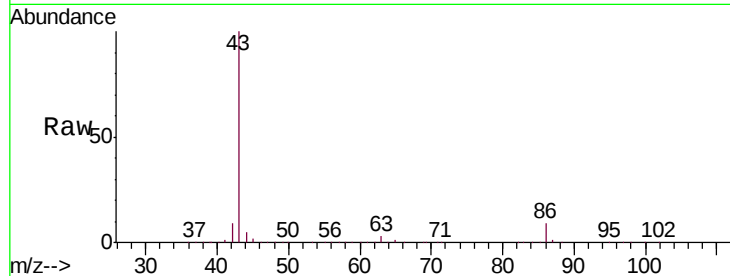
VSTDCCC050

Tgt Ion: 43 Resp: 1205805

Ion Ratio Lower Upper

43 100

86 9.0 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

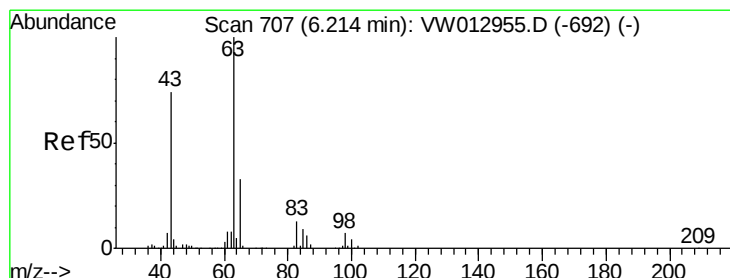
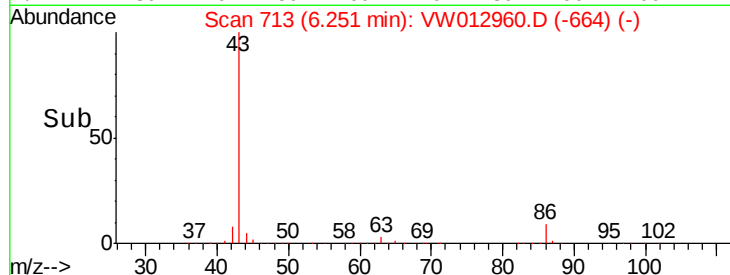
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.078 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

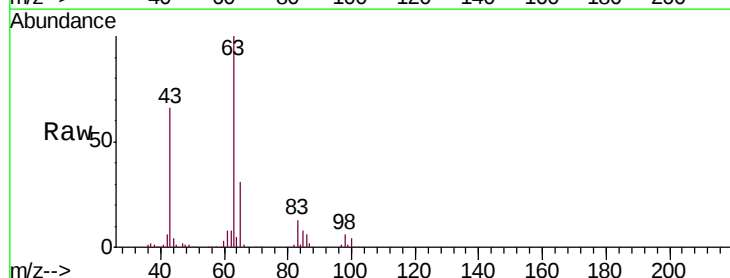
Tgt Ion: 63 Resp: 212623

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.9

100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

80000

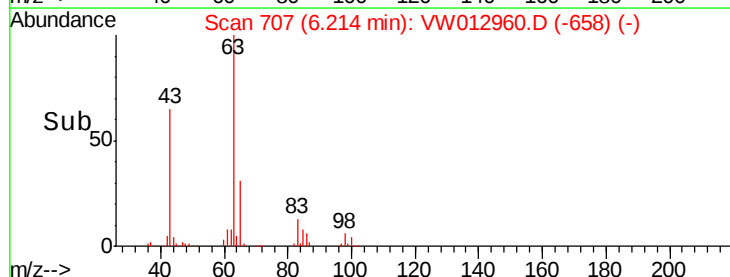
60000

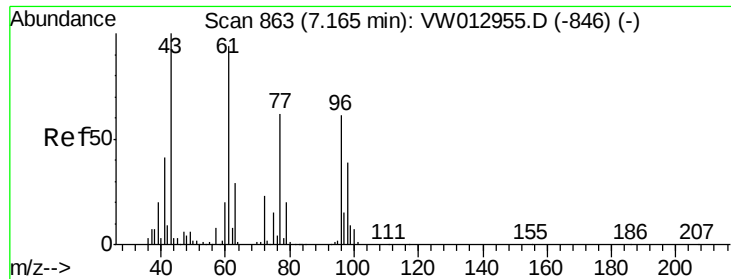
40000

20000

0

Time-->





#25

2-Butanone

Concen: 248.944 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

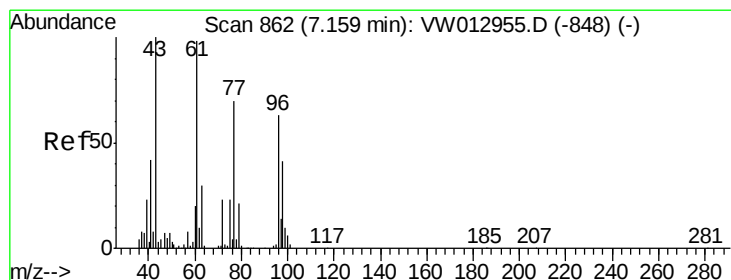
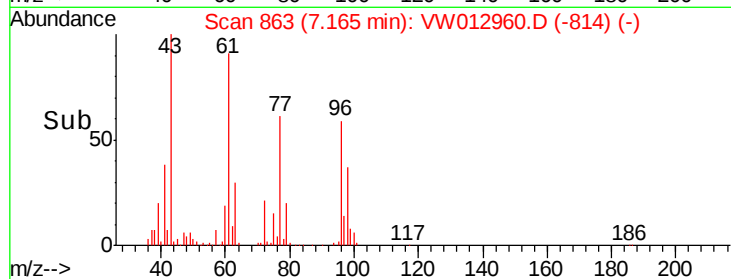
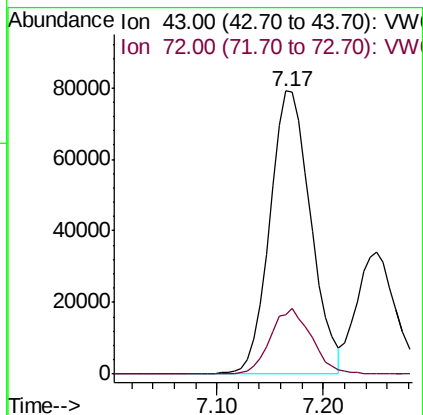
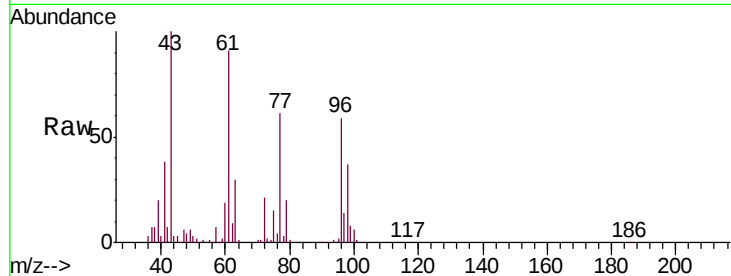
VSTDCCC050

Tgt Ion: 43 Resp: 210367

Ion Ratio Lower Upper

43 100

72 21.0 18.2 27.4



#26

2,2-Dichloropropane

Concen: 48.714 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW012960.D

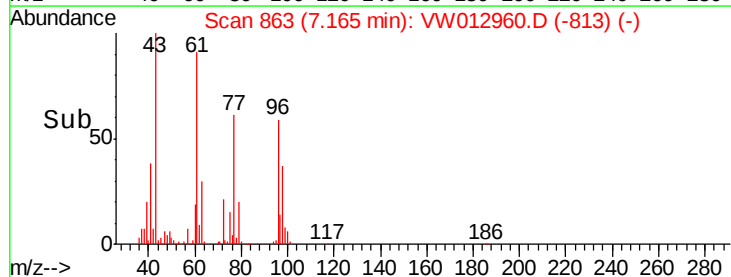
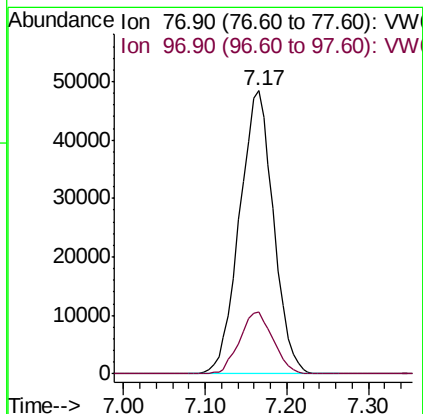
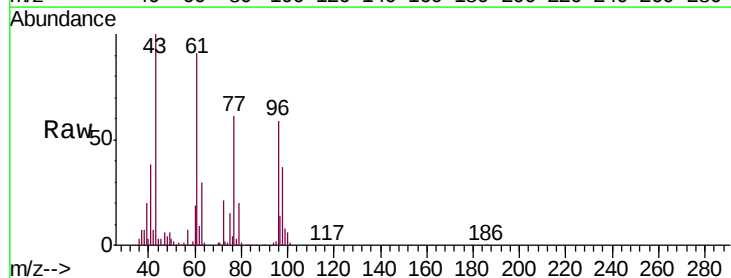
Acq: 13 Sep 2019 18:22

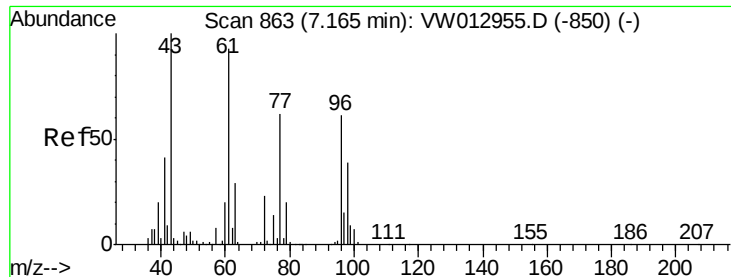
Tgt Ion: 77 Resp: 139946

Ion Ratio Lower Upper

77 100

97 21.7 10.7 32.1



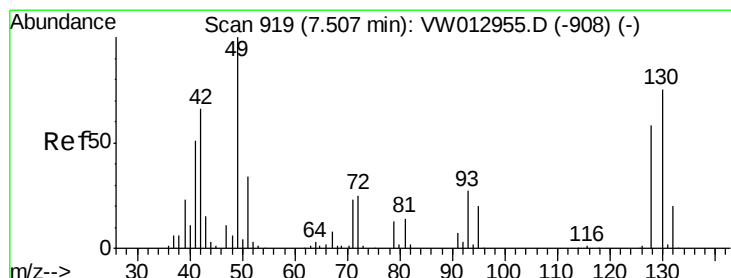
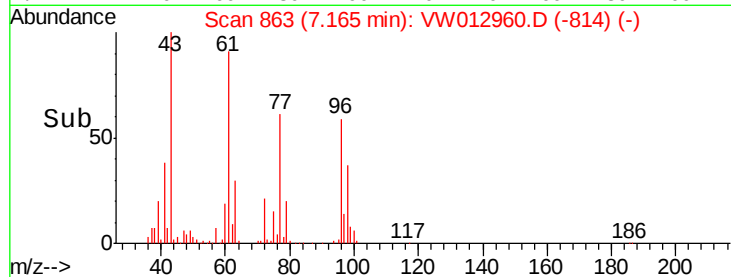
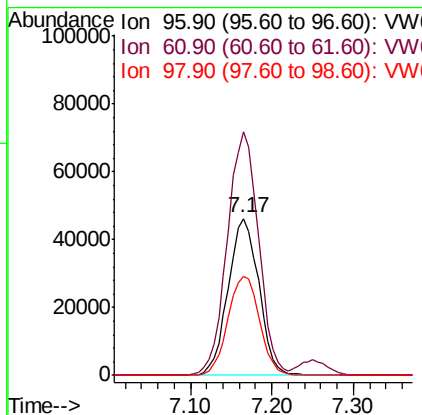
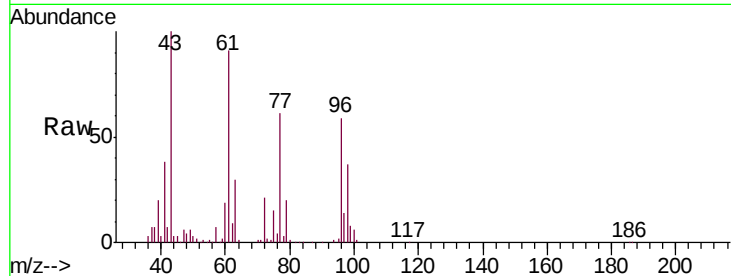


#27

cis-1,2-Dichloroethene
Concen: 47.157 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

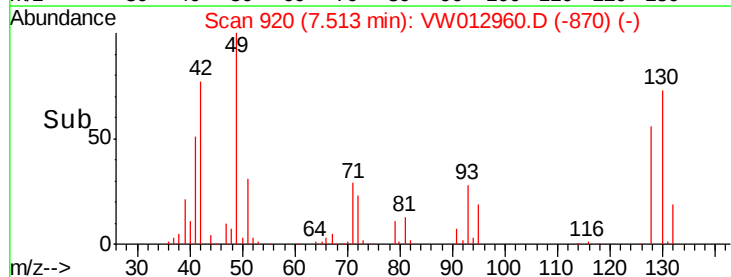
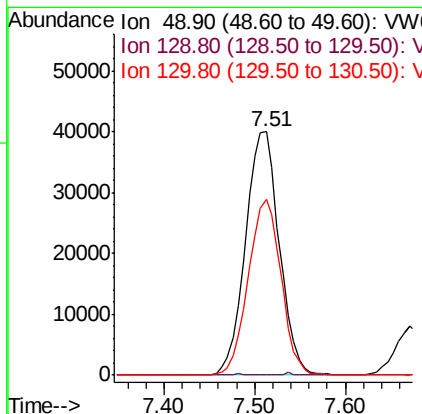
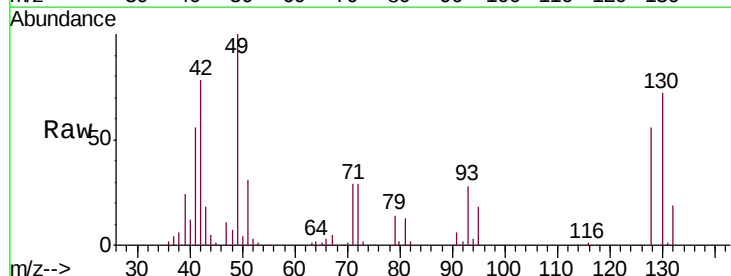
Tgt Ion: 96 Resp: 120100
Ion Ratio Lower Upper
96 100
61 158.0 0.0 315.4
98 65.1 0.0 131.0

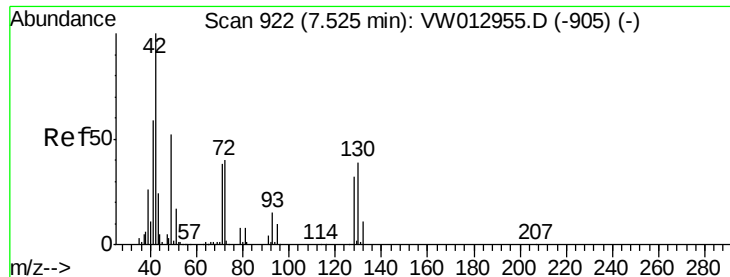


#28

Bromochloromethane
Concen: 54.326 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 49 Resp: 103272
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.4
130 69.7 57.8 86.6

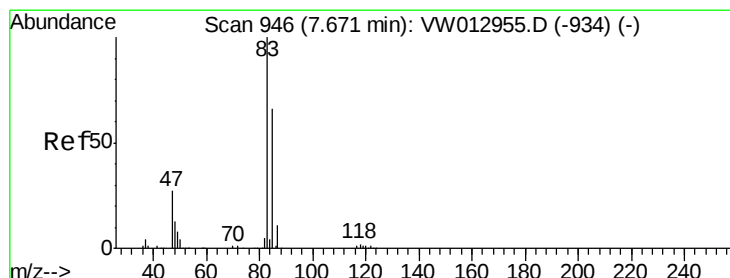
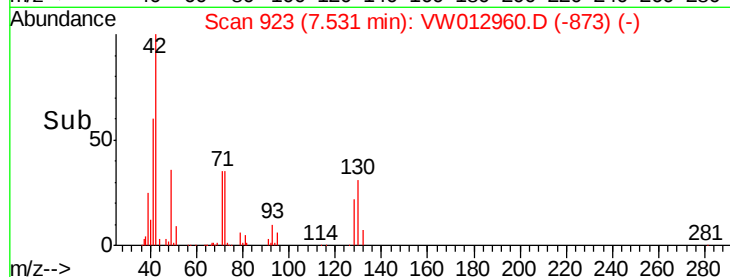
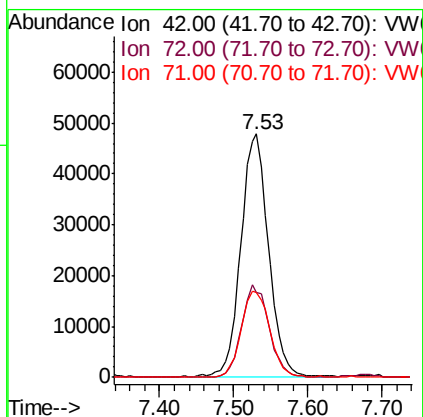
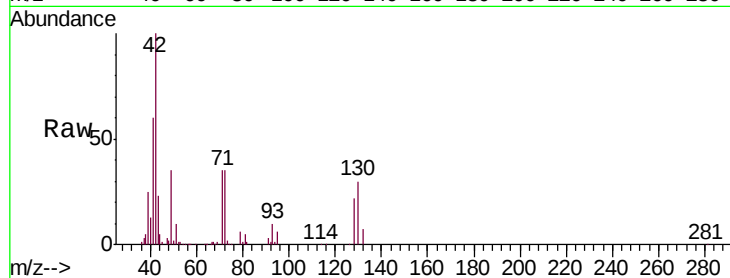




#29
Tetrahydrofuran
Concen: 259.832 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

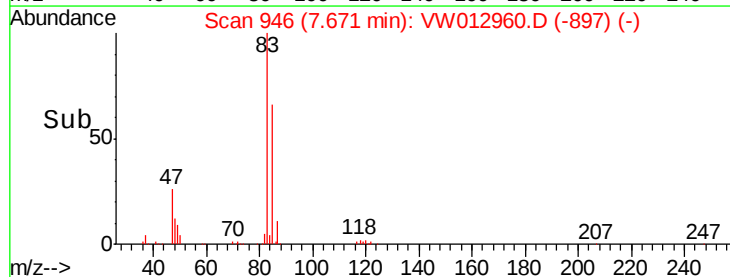
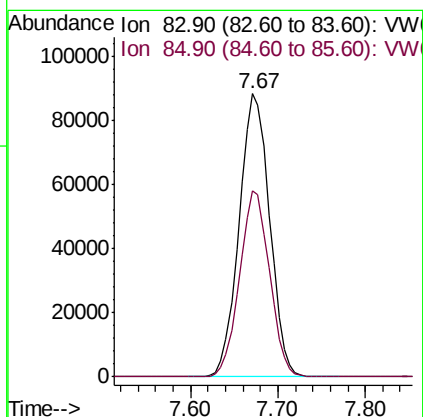
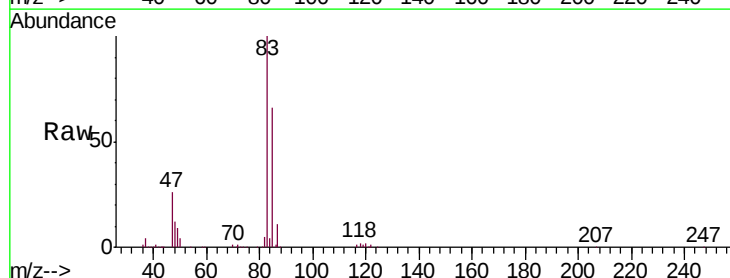
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

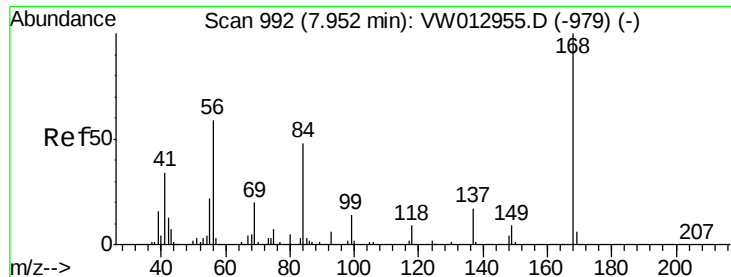
Tgt Ion: 42 Resp: 125106
Ion Ratio Lower Upper
42 100
72 37.6 31.4 47.0
71 36.8 29.8 44.8



#30
Chloroform
Concen: 46.688 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 83 Resp: 214254
Ion Ratio Lower Upper
83 100
85 65.7 52.8 79.2

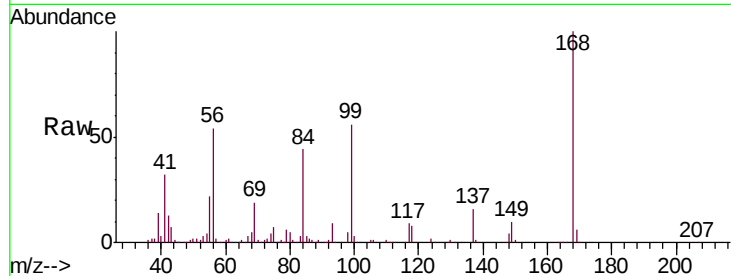




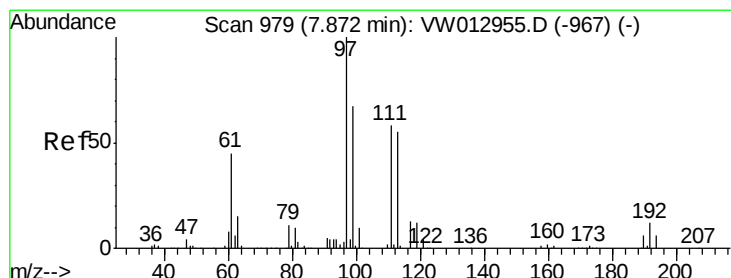
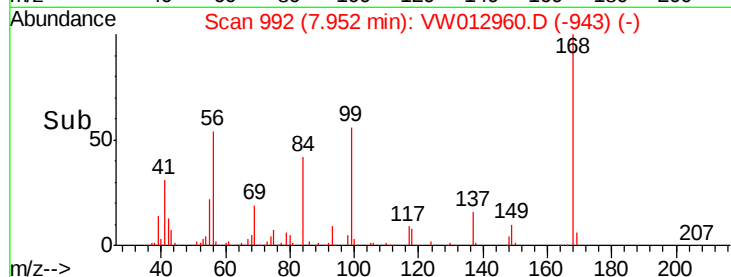
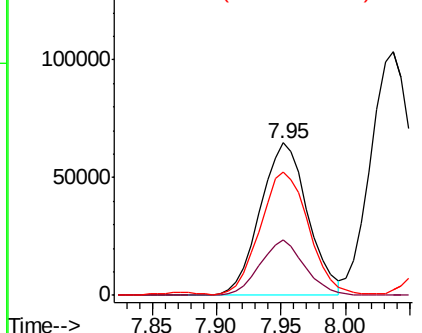
#31
Cyclohexane
Concen: 48.879 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 166038
Ion Ratio Lower Upper
56 100
69 36.0 27.0 40.6
84 79.5 66.2 99.2

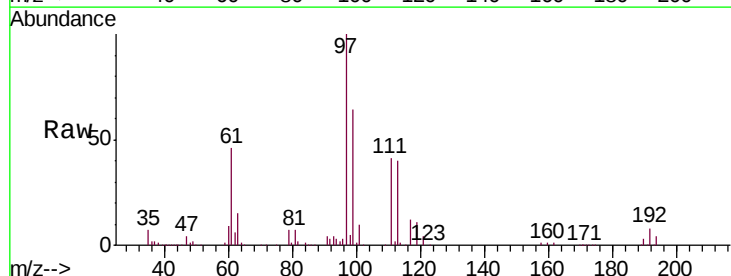


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

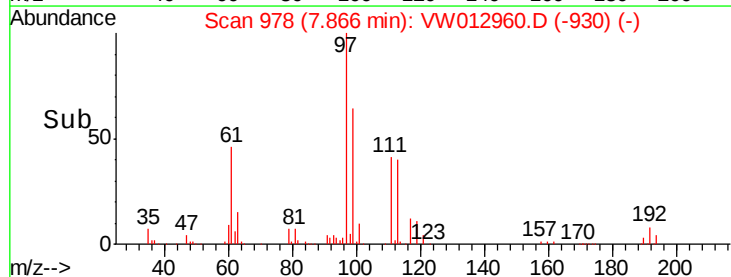
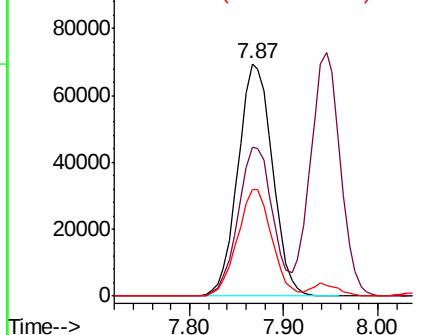


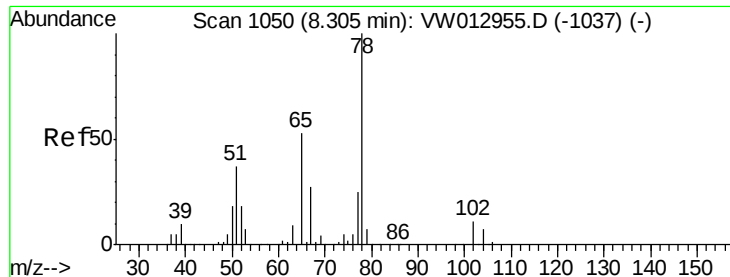
#32
1,1,1-Trichloroethane
Concen: 46.787 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 97 Resp: 176814
Ion Ratio Lower Upper
97 100
99 64.9 53.0 79.4
61 45.6 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: 49.753 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

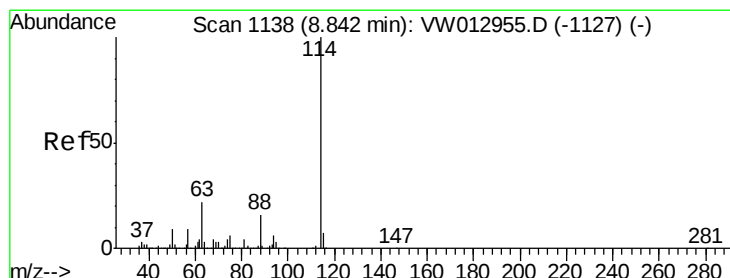
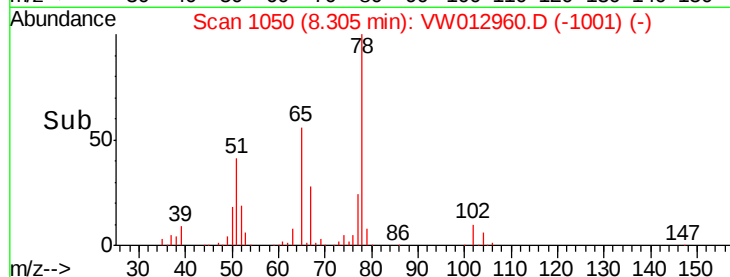
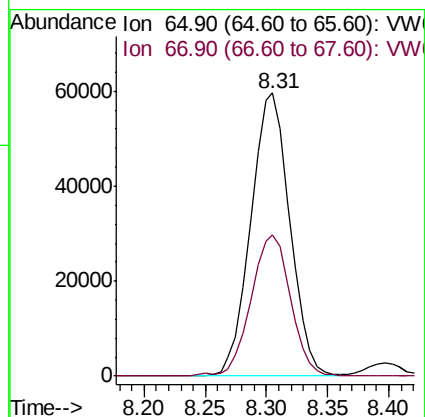
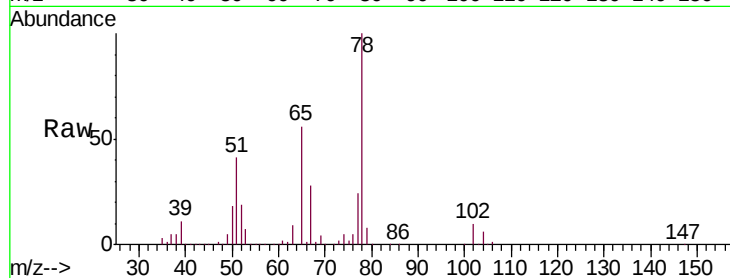
VSTDCCC050

Tgt Ion: 65 Resp: 132220

Ion Ratio Lower Upper

65 100

67 50.8 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: VW012960.D

Acq: 13 Sep 2019 18:22

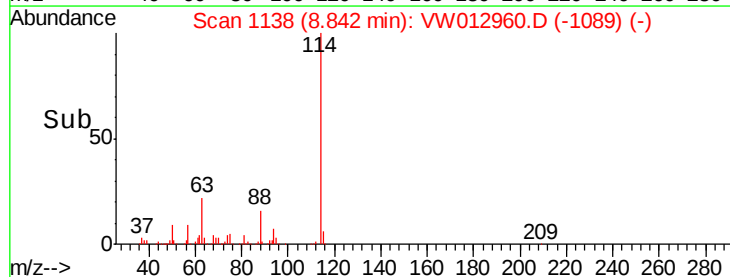
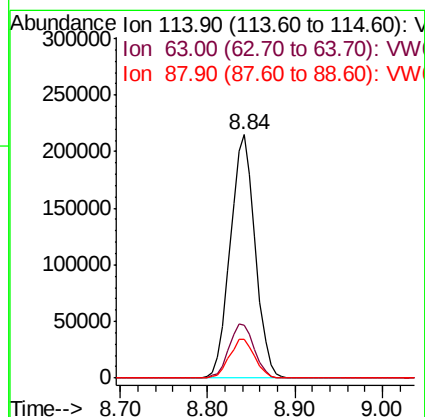
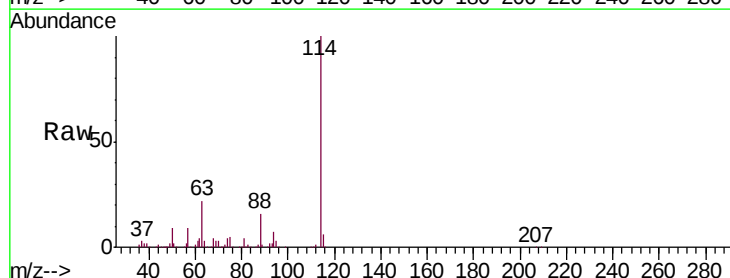
Tgt Ion: 114 Resp: 423166

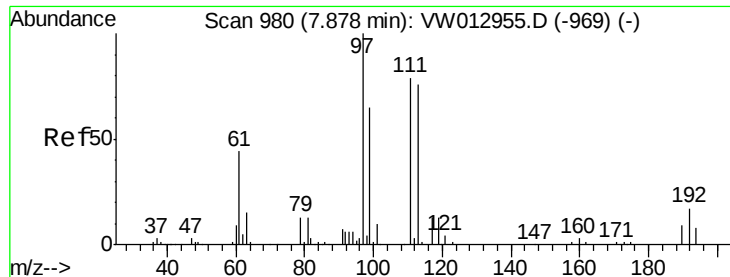
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.4

88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.790 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

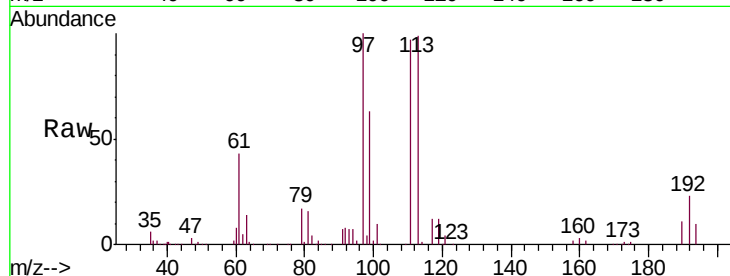
Tgt Ion:113 Resp: 109733

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

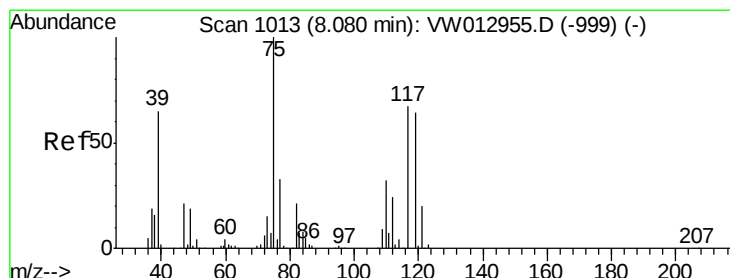
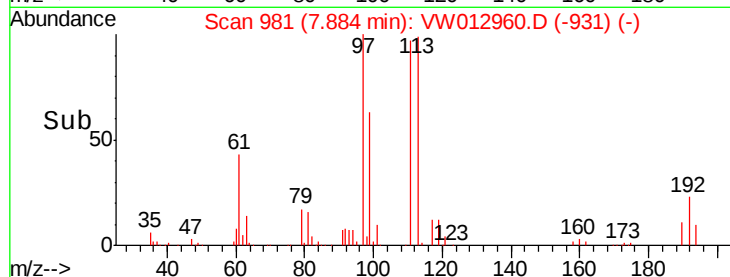
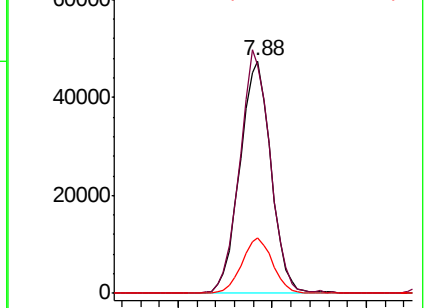
192 23.5 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.722 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

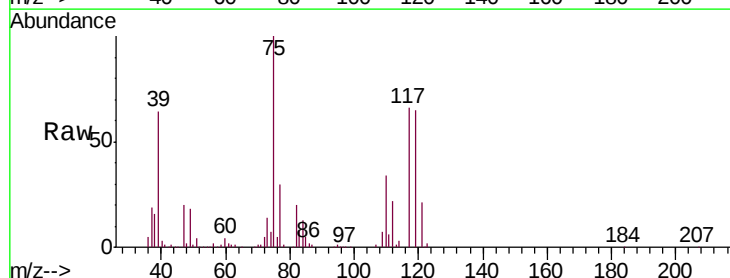
Tgt Ion: 75 Resp: 154606

Ion Ratio Lower Upper

75 100

110 32.9 16.4 49.1

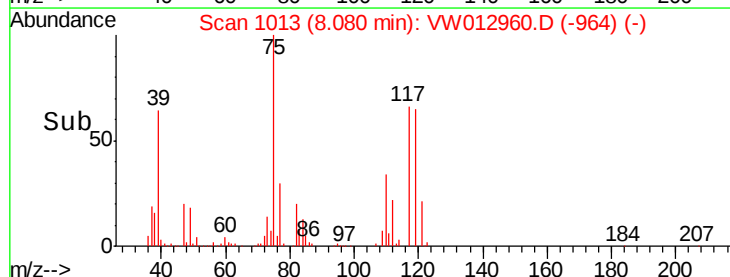
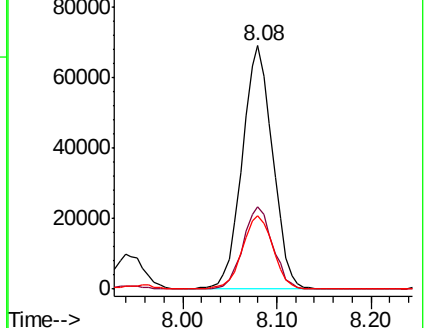
77 30.5 25.1 37.7

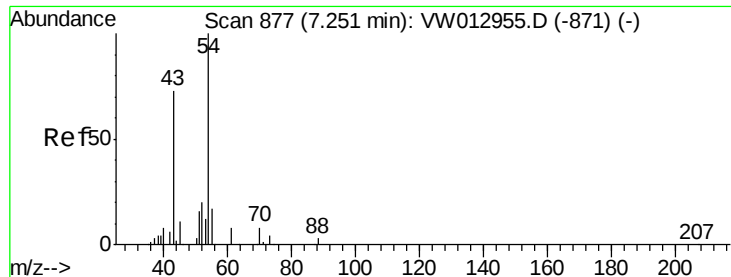


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

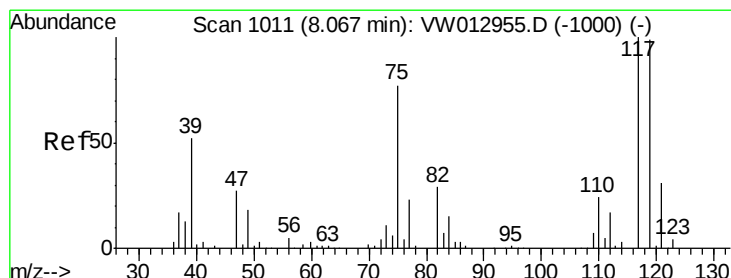
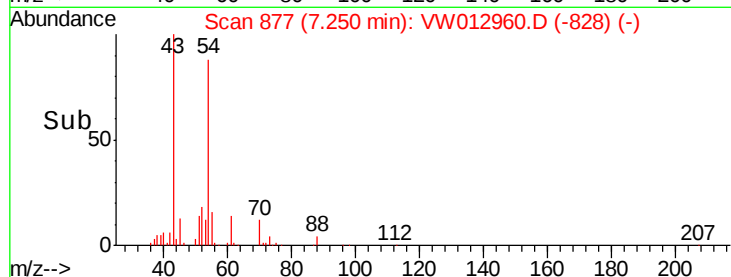
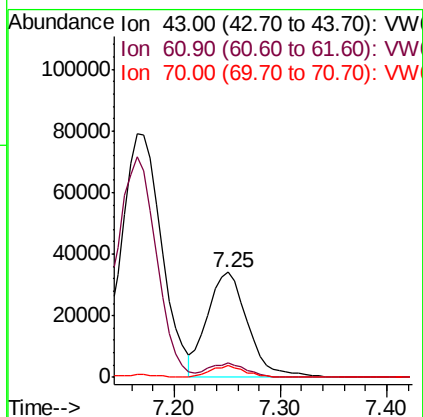
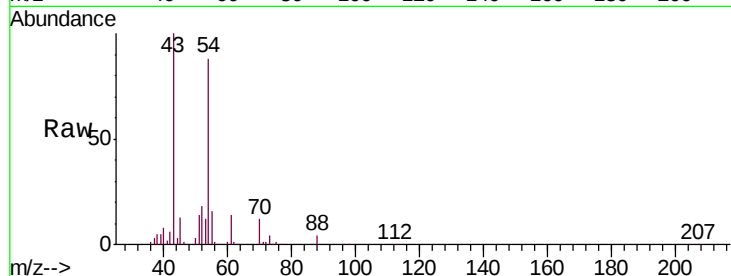




#37
 Ethyl Acetate
 Concen: 49.464 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

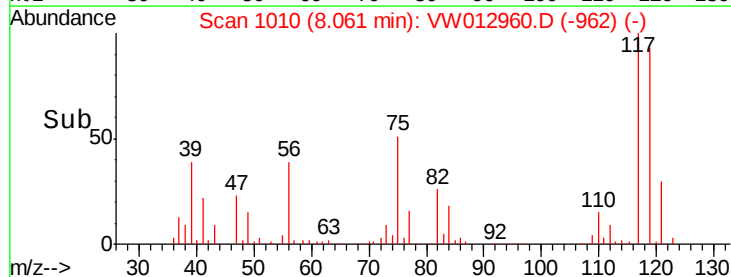
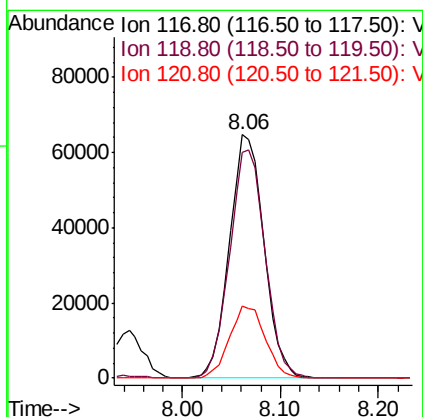
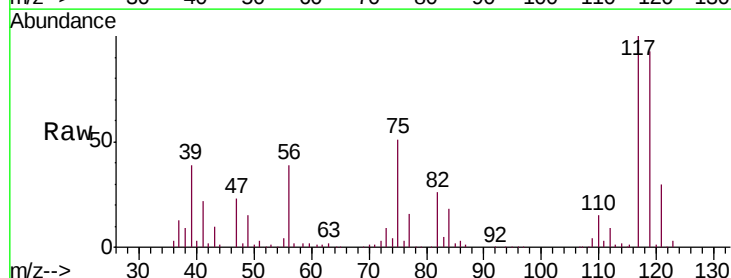
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

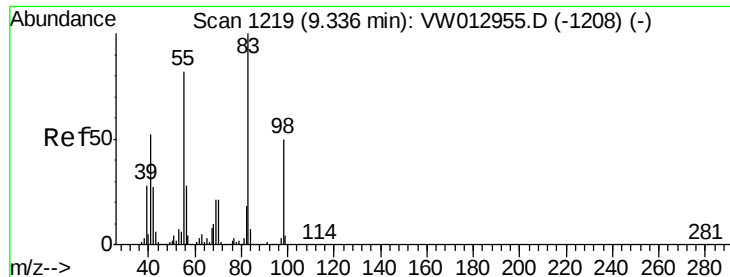
Tgt Ion: 43 Resp: 88779
 Ion Ratio Lower Upper
 43 100
 61 12.8 9.6 14.4
 70 10.0 7.6 11.4



#38
 Carbon Tetrachloride
 Concen: 45.805 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion: 117 Resp: 158726
 Ion Ratio Lower Upper
 117 100
 119 92.7 79.4 119.0
 121 29.7 24.6 36.8

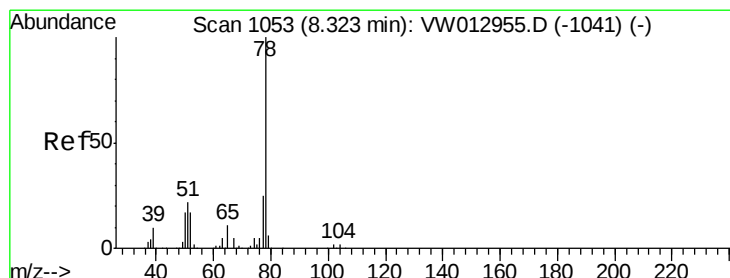
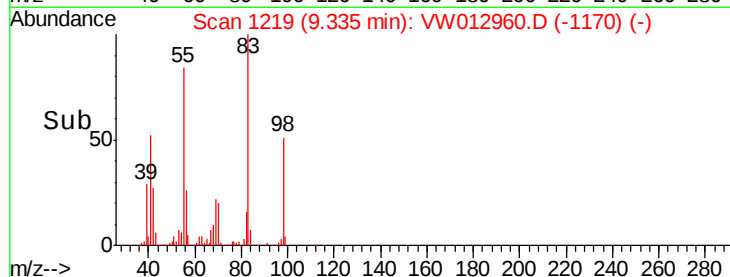
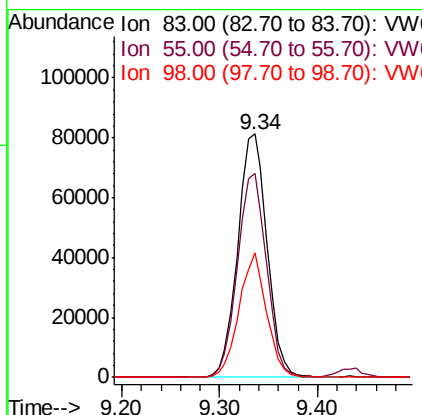
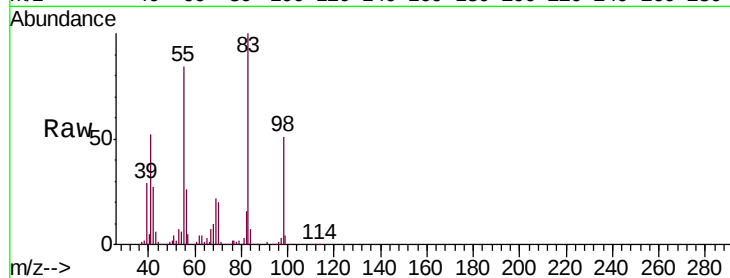




#39
Methylcyclohexane
Concen: 45.687 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

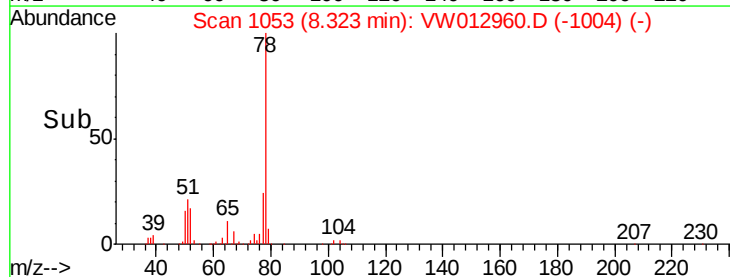
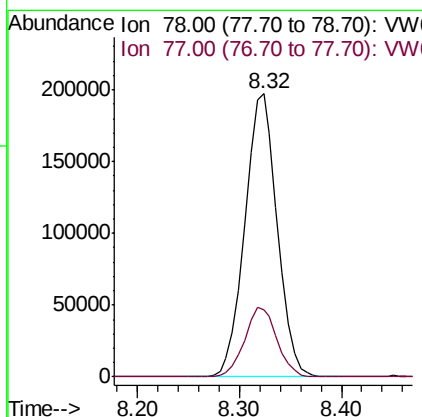
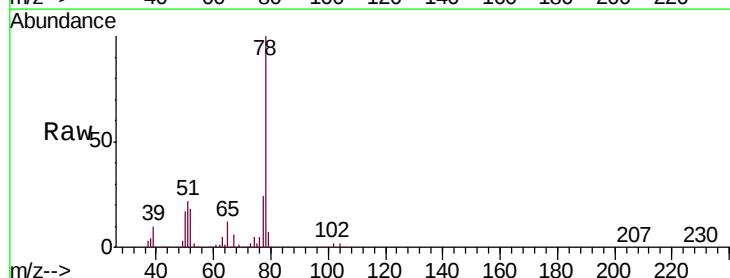
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 169287
Ion Ratio Lower Upper
83 100
55 83.6 65.9 98.9
98 51.2 39.6 59.4



#40
Benzene
Concen: 46.118 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 78 Resp: 435345
Ion Ratio Lower Upper
78 100
77 23.8 19.6 29.4

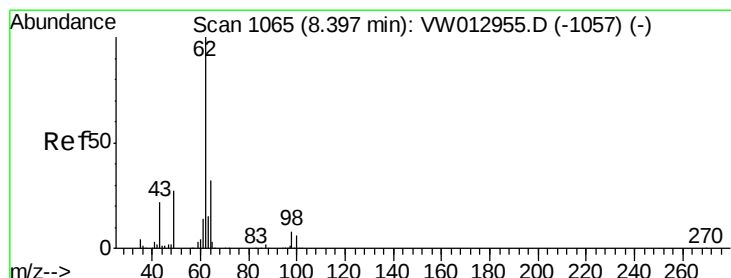
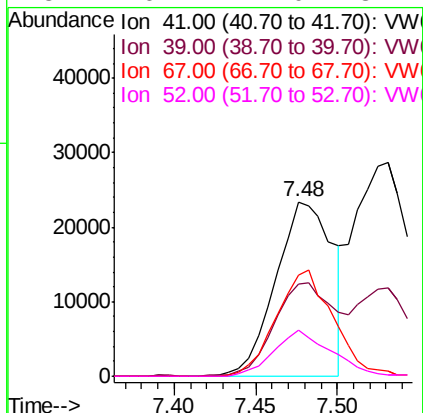
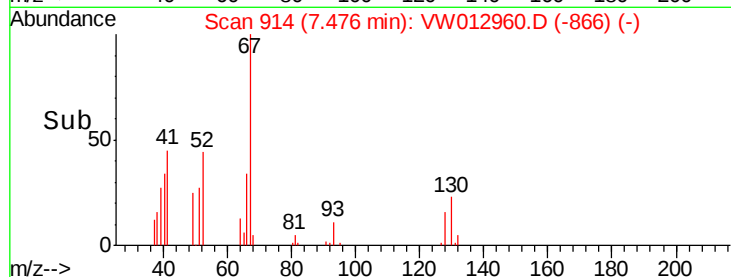
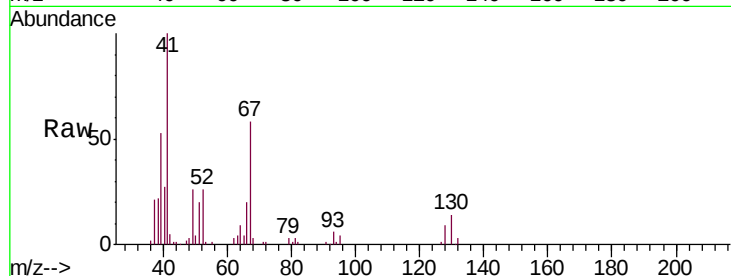




#41
Methacrylonitrile
Concen: 47.976 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

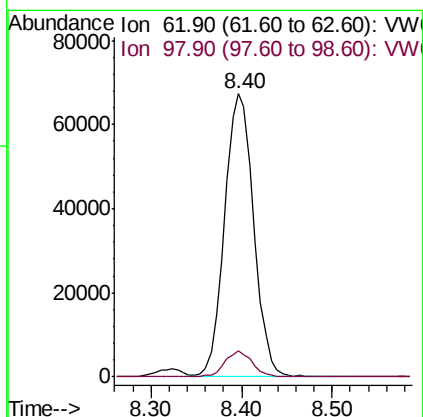
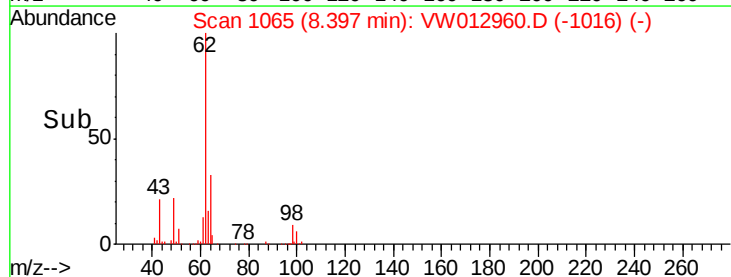
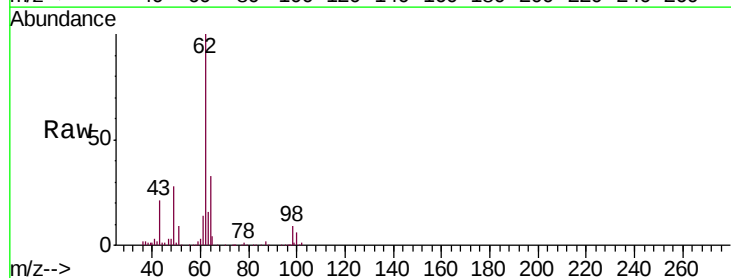
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	56706
Ion	Ratio	Lower	Upper
41	100		
39	59.3	48.2	72.4
67	61.3	47.5	71.3
52	26.7	21.0	31.4



#42
1,2-Dichloroethane
Concen: 47.342 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion:	62	Resp:	149811
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8

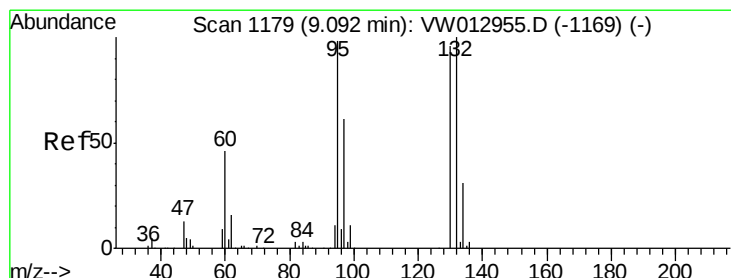
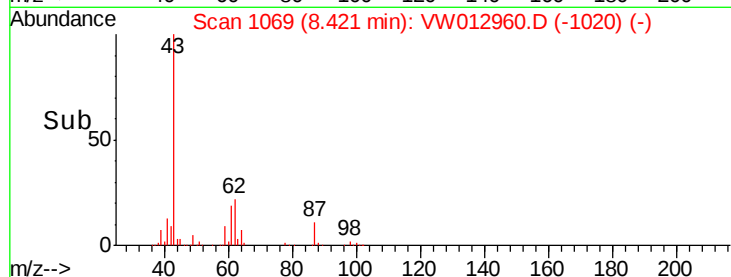
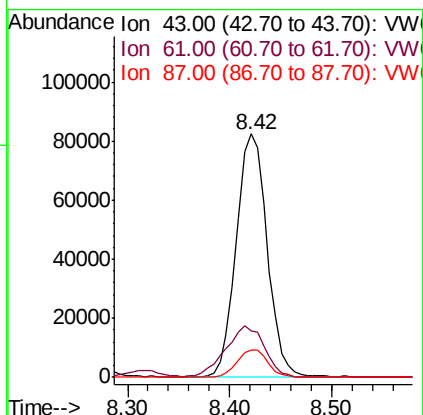
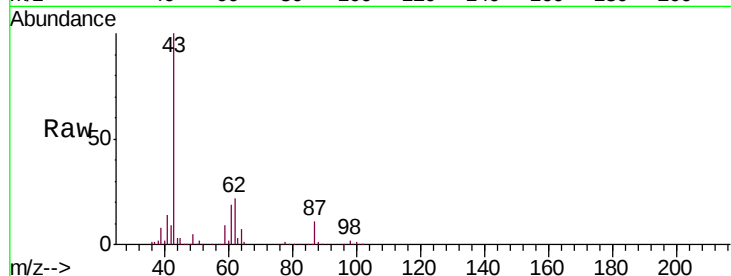




#43
Isopropyl Acetate
Concen: 50.147 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

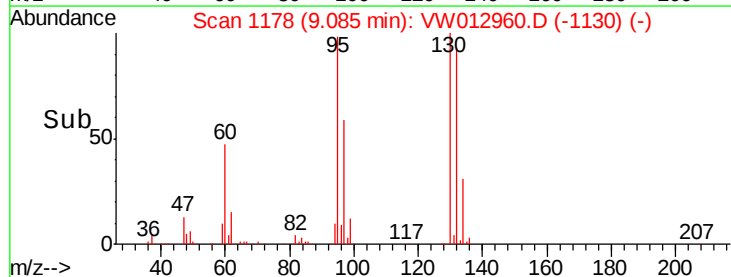
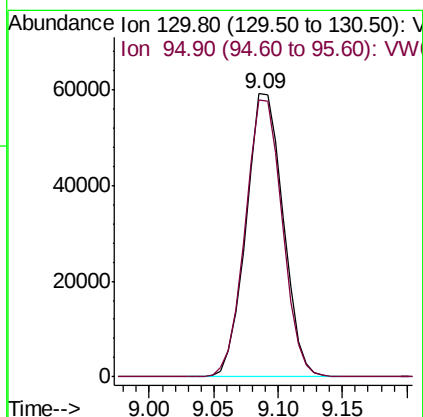
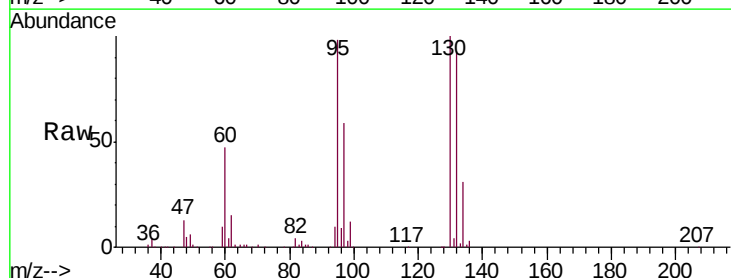
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

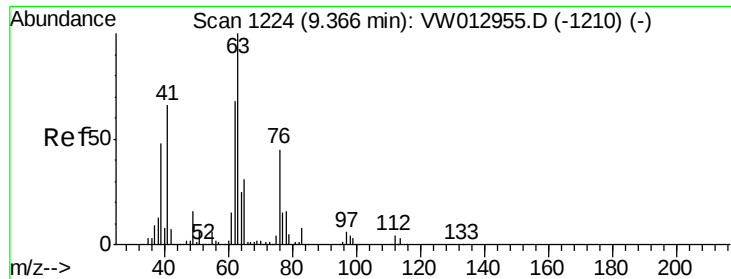
Tgt Ion: 43 Resp: 172814
Ion Ratio Lower Upper
43 100
61 26.7 22.7 34.1
87 11.3 9.4 14.2



#44
Trichloroethene
Concen: 45.447 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 130 Resp: 117512
Ion Ratio Lower Upper
130 100
95 98.0 0.0 204.4





#45

1,2-Dichloropropane

Concen: 46.851 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

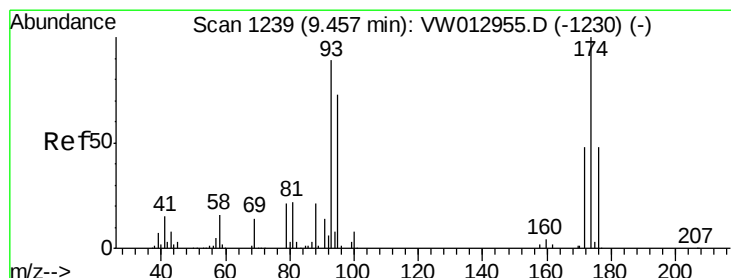
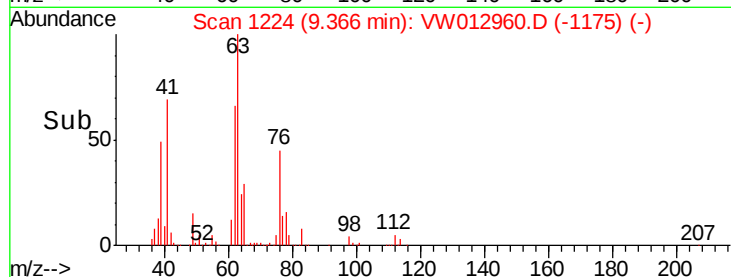
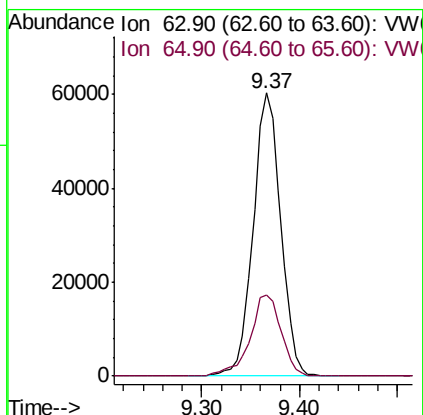
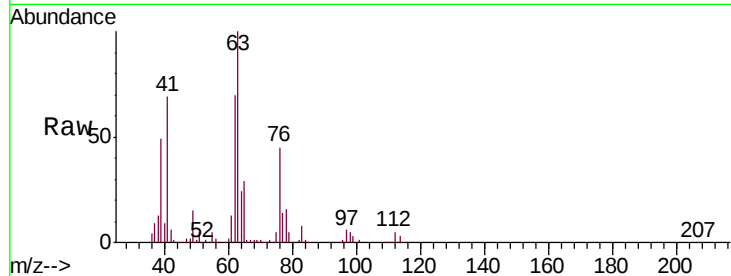
VSTDCCC050

Tgt Ion: 63 Resp: 117505

Ion Ratio Lower Upper

63 100

65 28.7 24.6 37.0



#46

Dibromomethane

Concen: 47.961 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

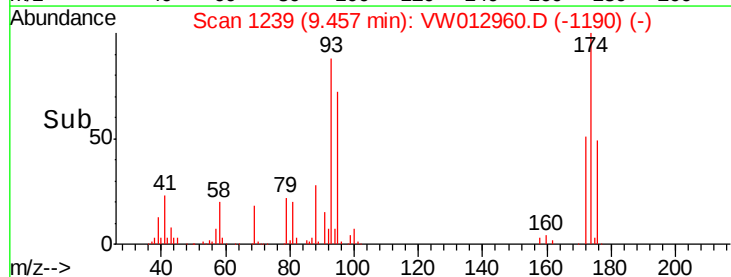
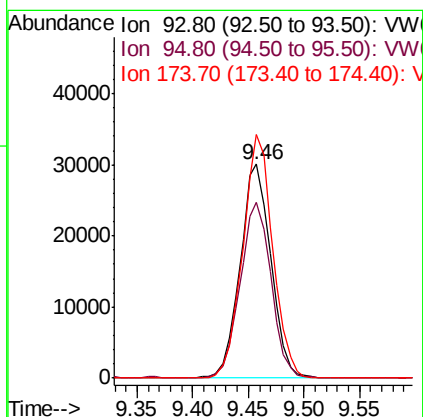
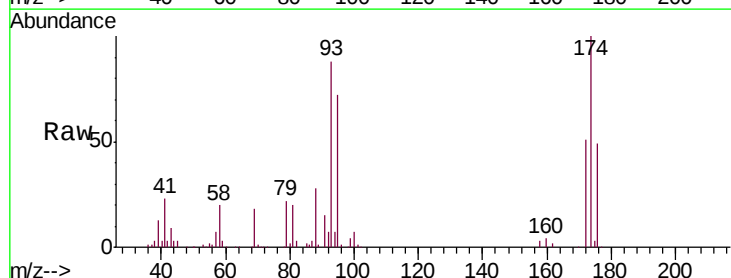
Tgt Ion: 93 Resp: 57630

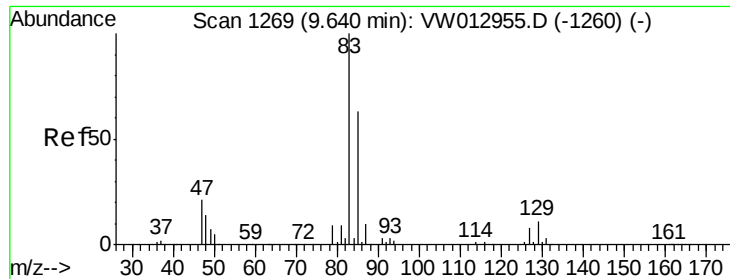
Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.4

174 111.4 90.5 135.7

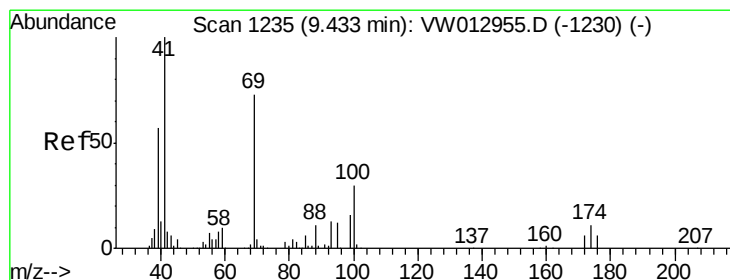
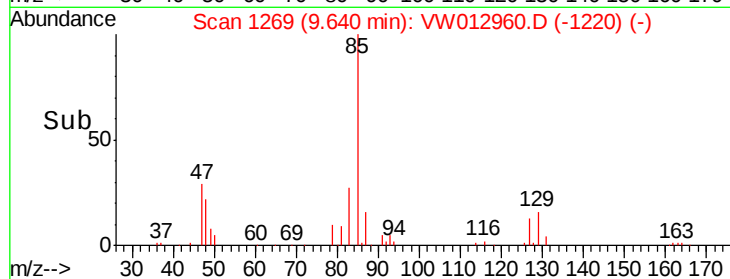
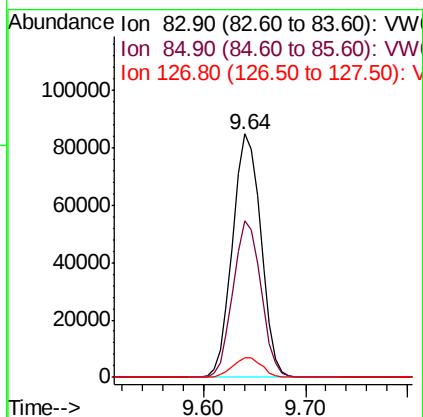
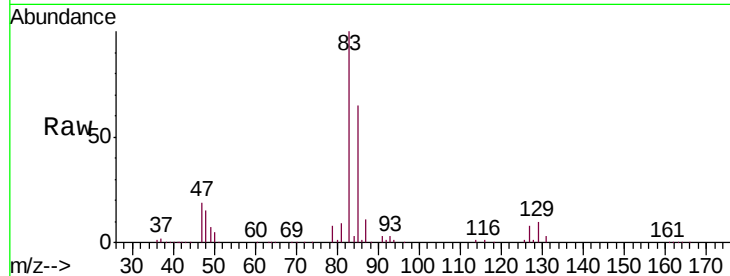




#47
 Bromodichloromethane
 Concen: 48.535 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

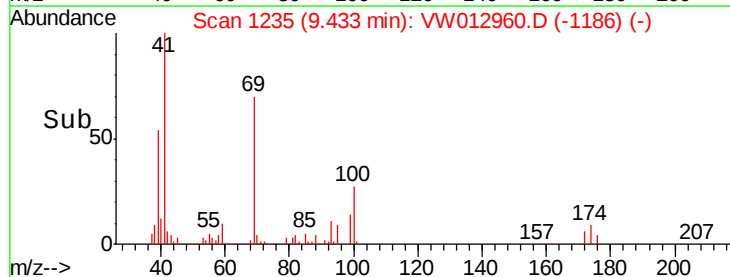
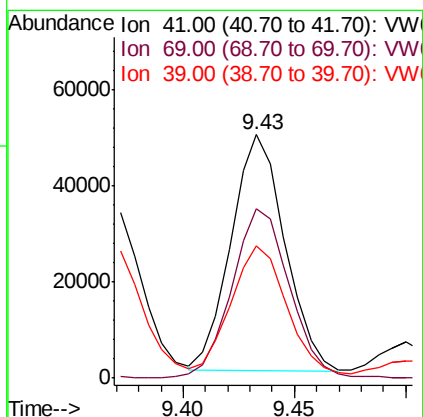
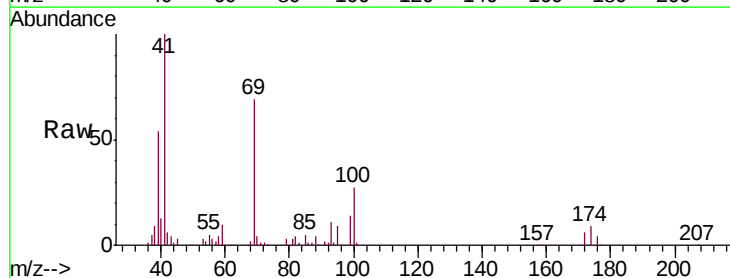
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

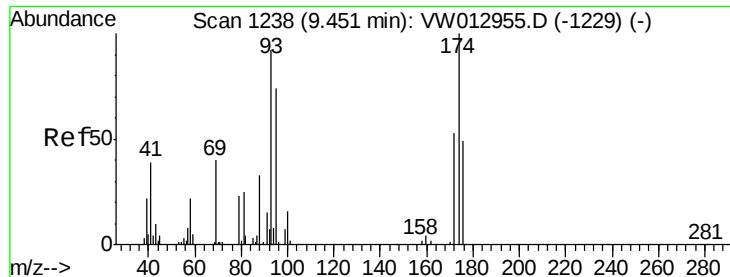
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.6	75.8
127	8.2	6.7	10.1



#48
 Methyl methacrylate
 Concen: 50.983 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.2	62.8	94.2
39	55.5	48.5	72.7





#49

1,4-Dioxane

Concen: 999.488 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

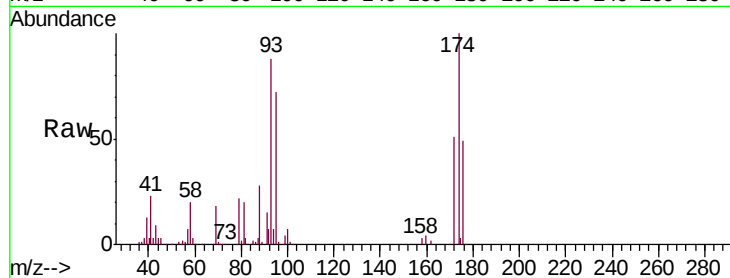
Tgt Ion: 88 Resp: 20124

Ion Ratio Lower Upper

88 100

43 32.4 31.3 46.9

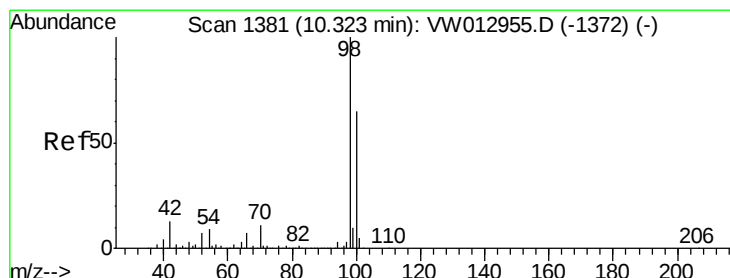
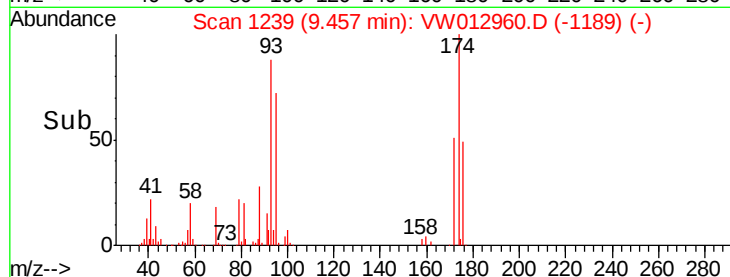
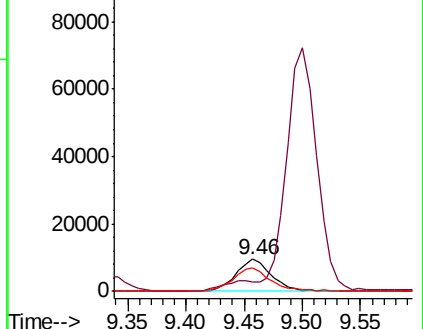
58 78.9 60.2 90.2



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 48.575 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012960.D

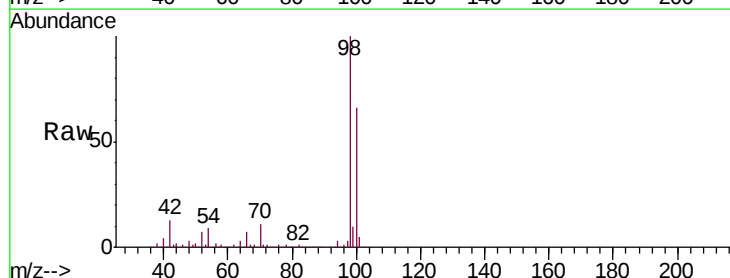
Acq: 13 Sep 2019 18:22

Tgt Ion: 98 Resp: 436454

Ion Ratio Lower Upper

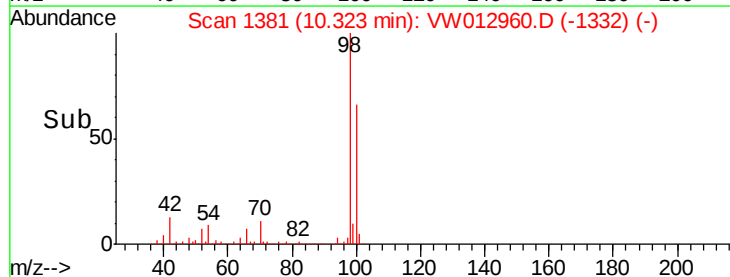
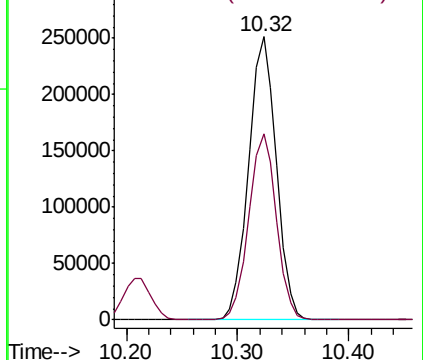
98 100

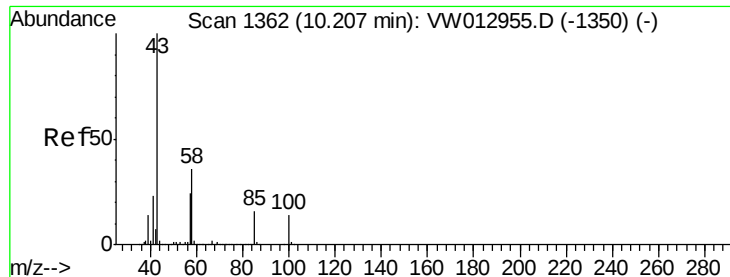
100 65.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

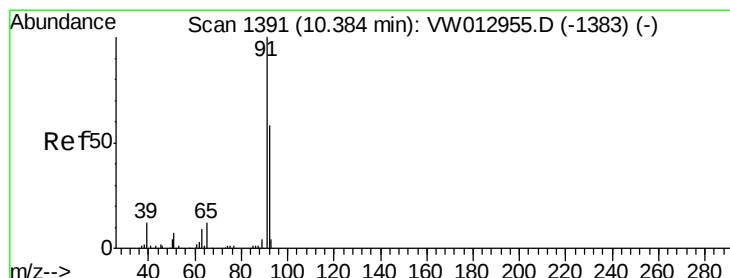
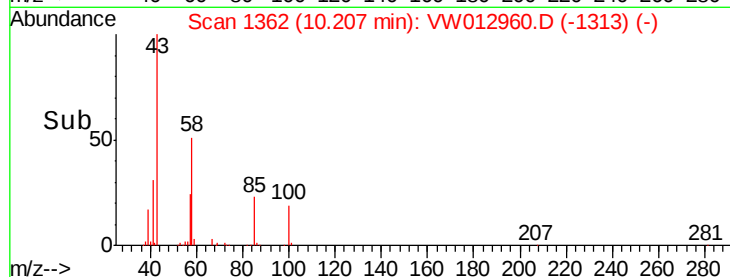
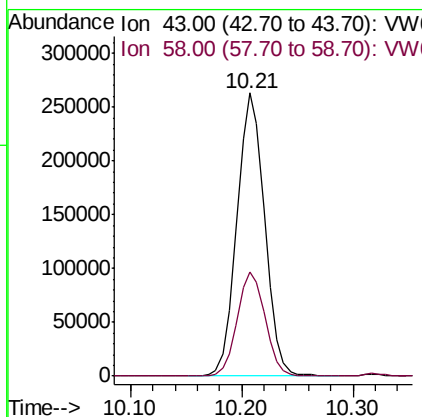
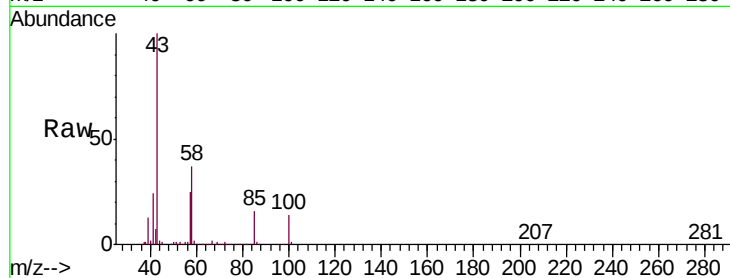




#51
 4-Methyl-2-Pentanone
 Concen: 253.597 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

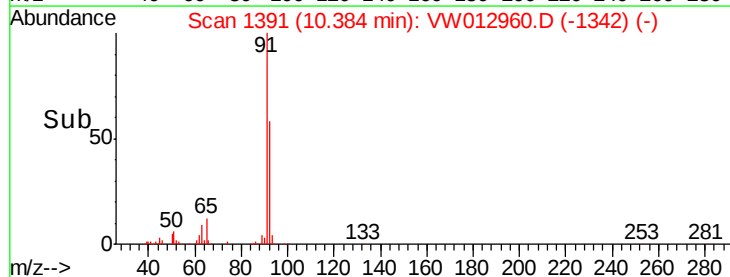
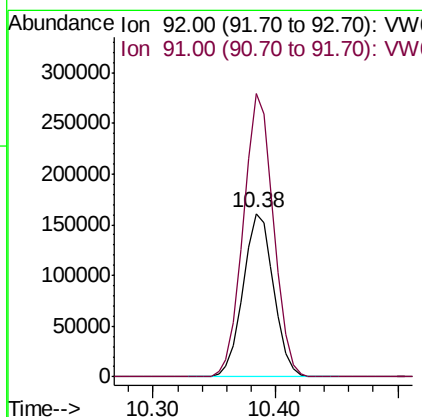
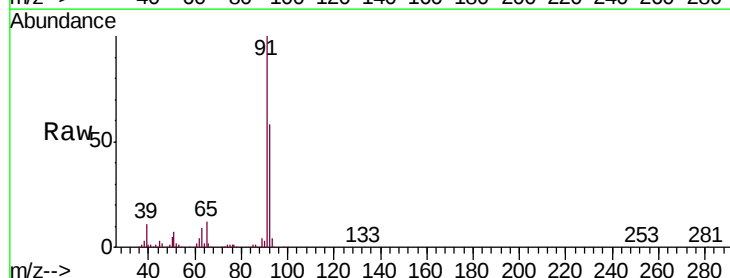
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

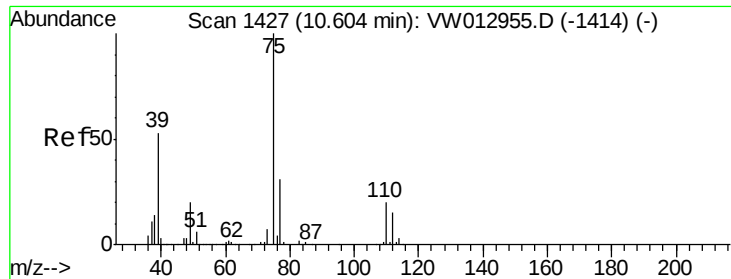
Tgt Ion: 43 Resp: 451192
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.5 44.3



#52
 Toluene
 Concen: 46.628 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion: 92 Resp: 279696
 Ion Ratio Lower Upper
 92 100
 91 170.9 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 48.815 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

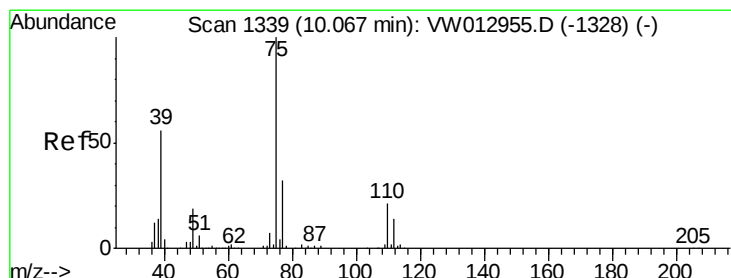
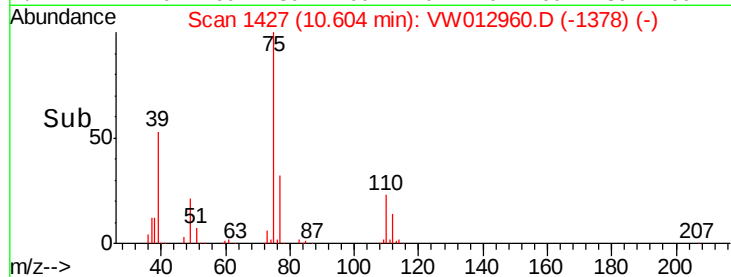
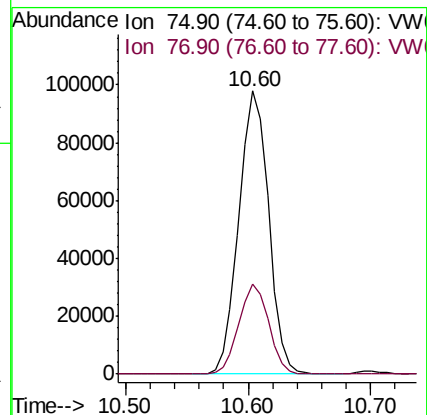
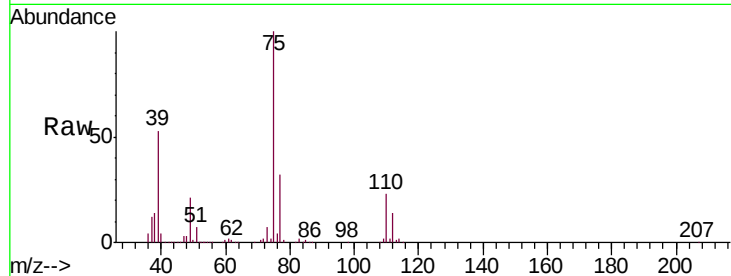
VSTDCCC050

Tgt Ion: 75 Resp: 165472

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 48.998 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

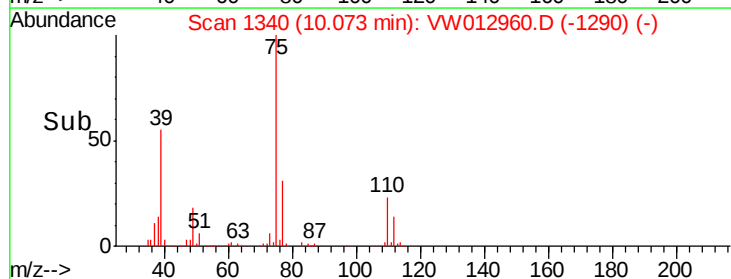
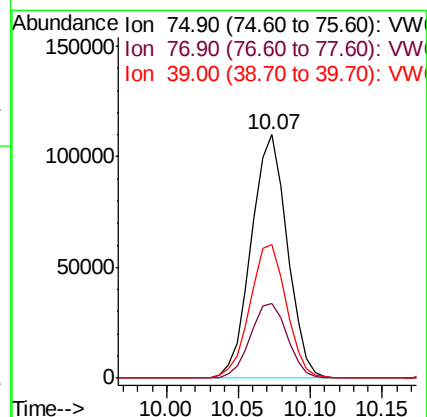
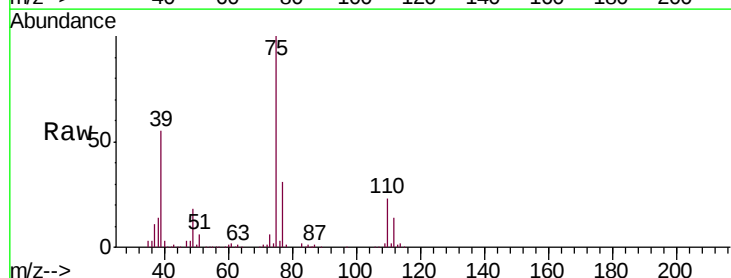
Tgt Ion: 75 Resp: 190041

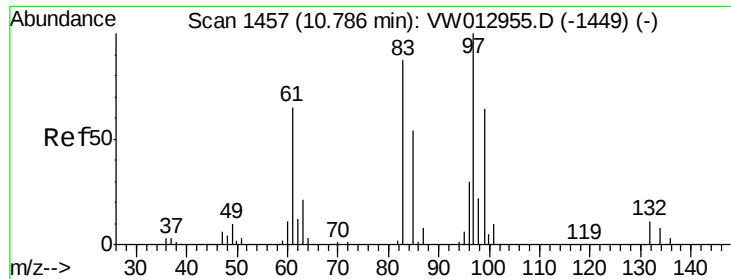
Ion Ratio Lower Upper

75 100

77 30.5 25.5 38.3

39 55.0 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 49.250 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 90152

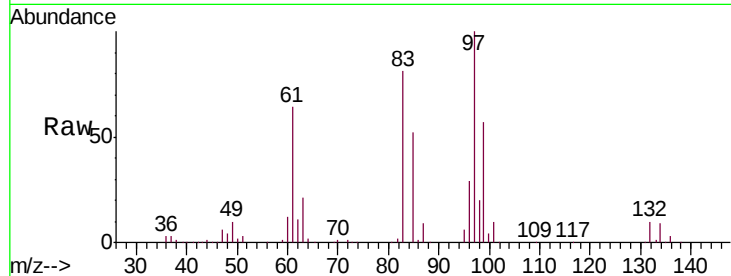
Ion Ratio Lower Upper

97 100

83 81.4 69.4 104.0

85 52.2 43.3 64.9

99 57.0 50.9 76.3



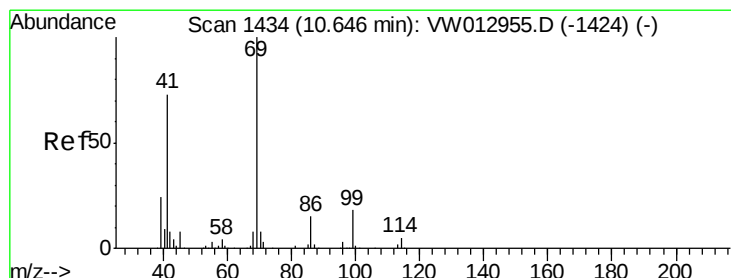
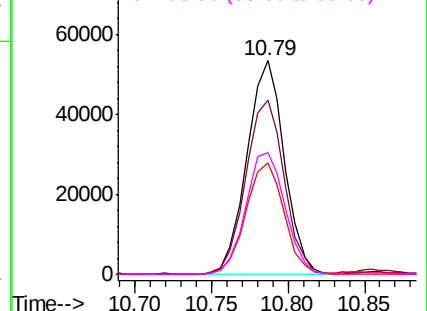
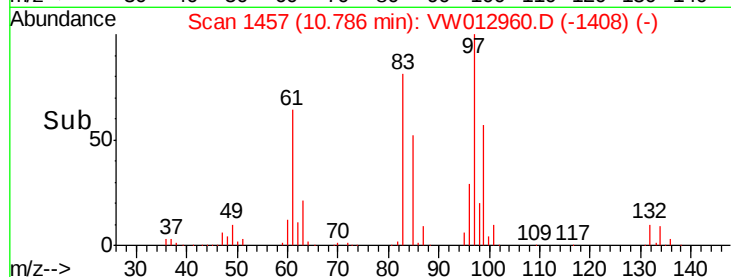
Abundance

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: 51.267 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

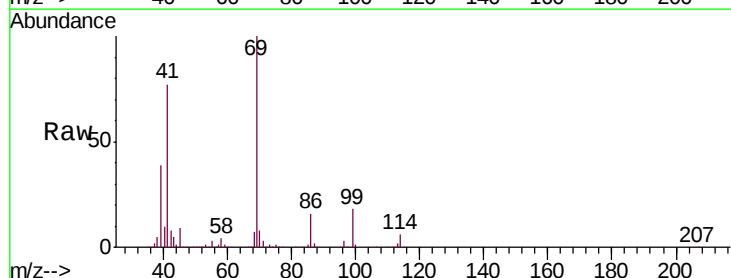
Tgt Ion: 69 Resp: 126317

Ion Ratio Lower Upper

69 100

41 78.6 60.8 91.2

39 36.2 29.4 44.0

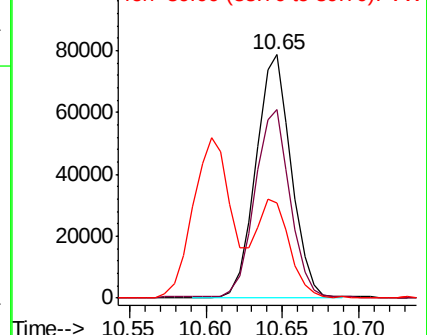
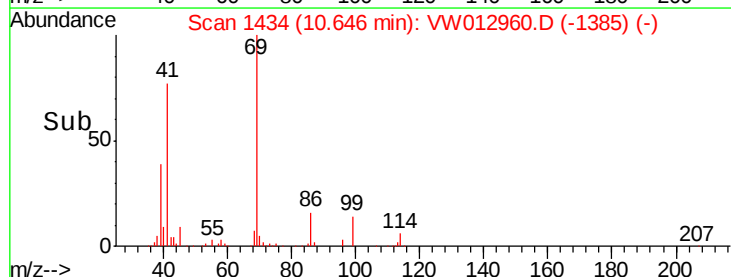


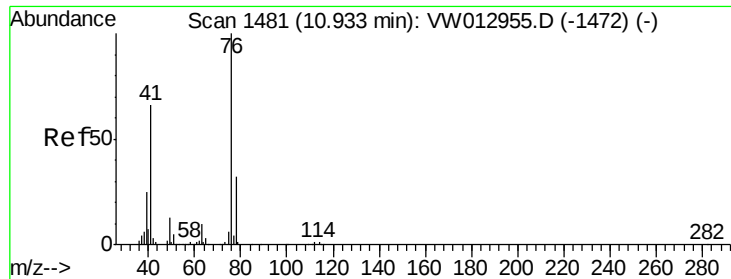
Abundance

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

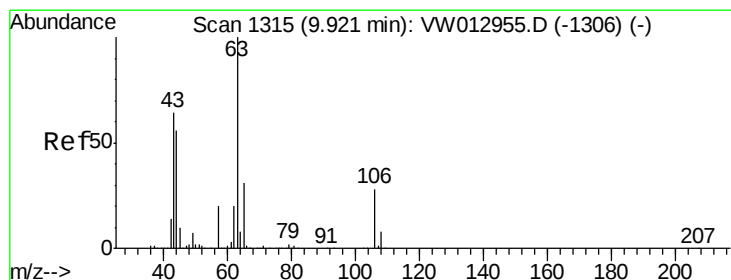
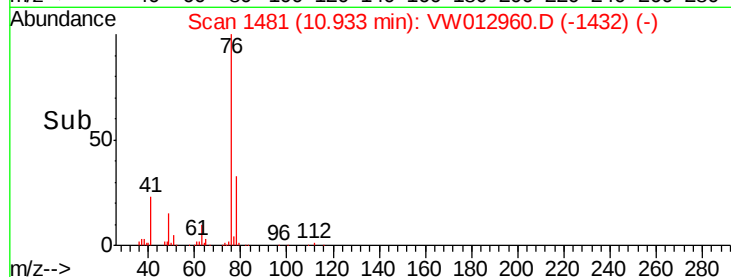
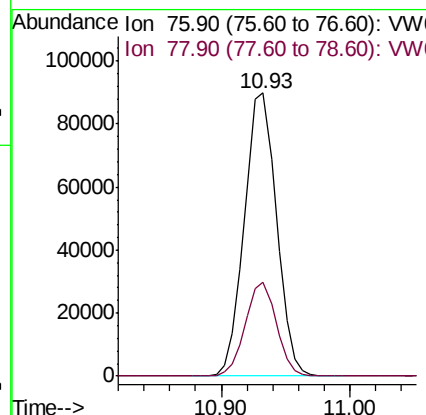
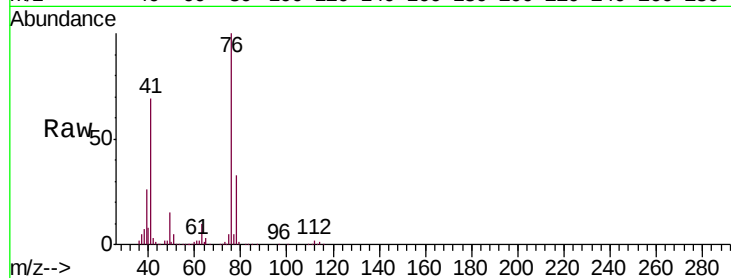




#57
 1,3-Dichloropropane
 Concen: 47.802 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

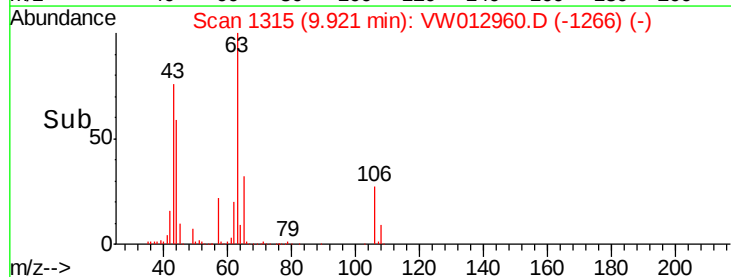
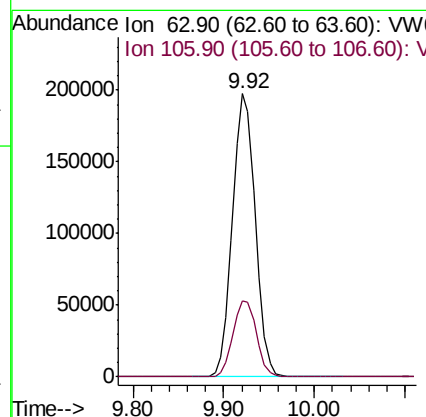
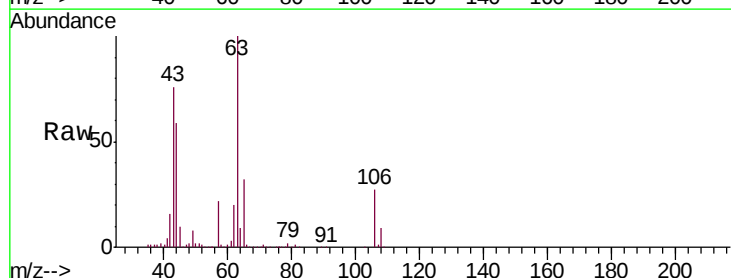
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

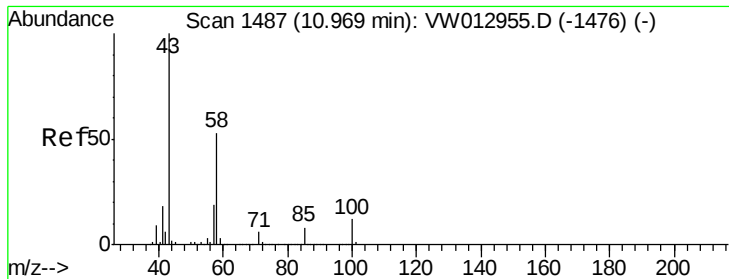
Tgt Ion: 76 Resp: 155221
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.235 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion: 63 Resp: 343957
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.2 33.2

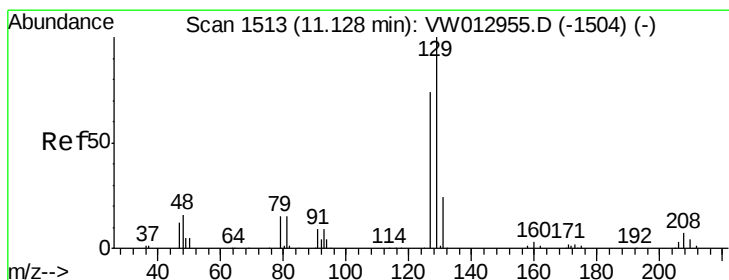
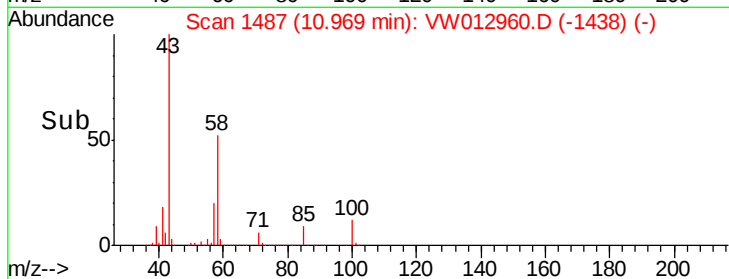
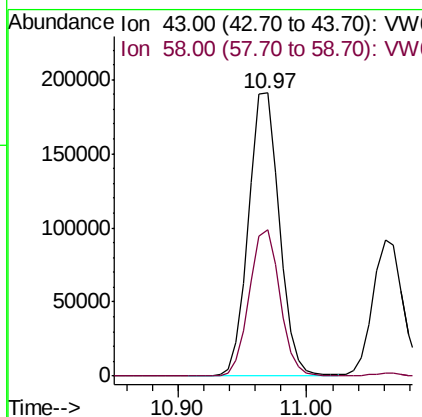
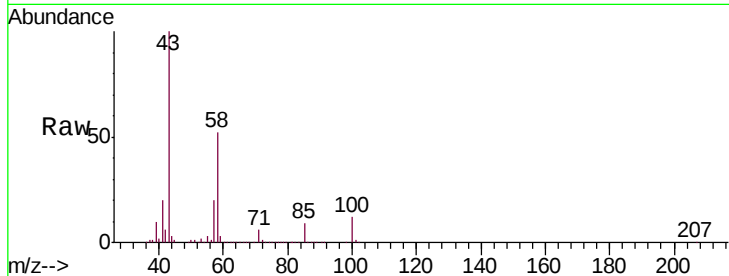




#59
2-Hexanone
Concen: 254.901 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

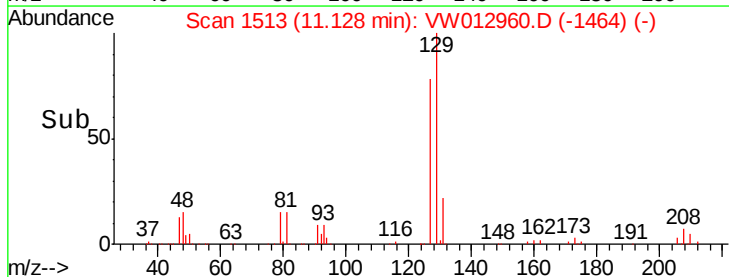
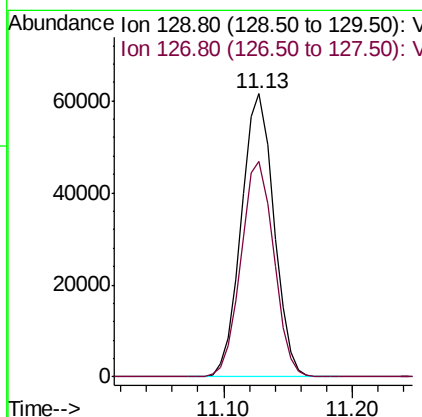
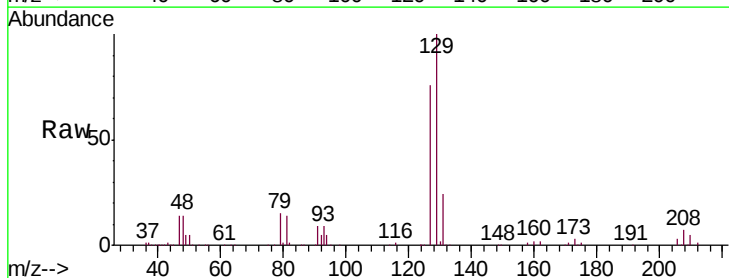
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

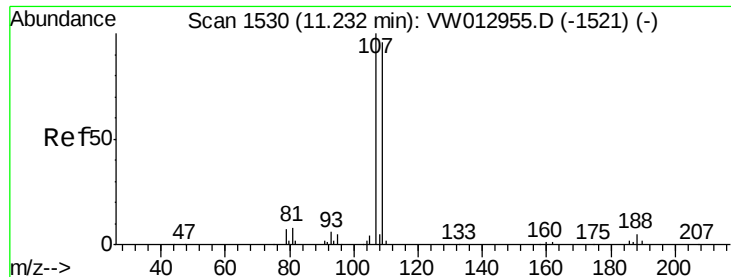
Tgt Ion: 43 Resp: 315786
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3



#60
Dibromochloromethane
Concen: 48.652 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 129 Resp: 107670
Ion Ratio Lower Upper
129 100
127 76.7 37.4 112.2

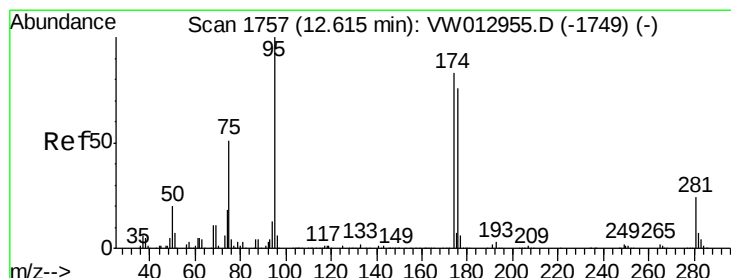
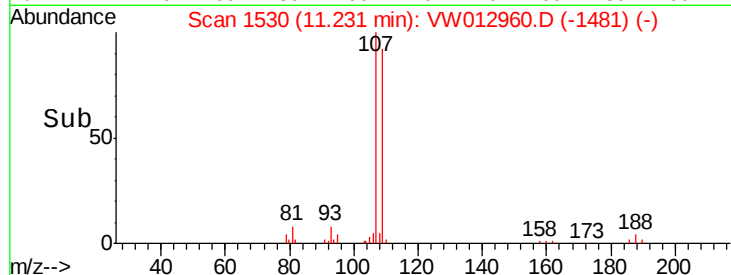
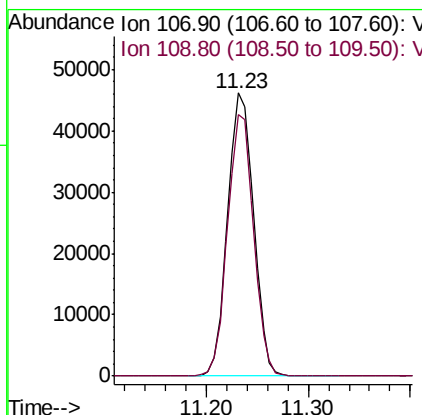
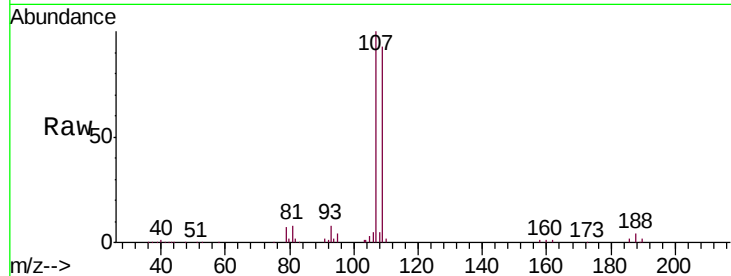




#61
 1,2-Dibromoethane
 Concen: 48.732 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

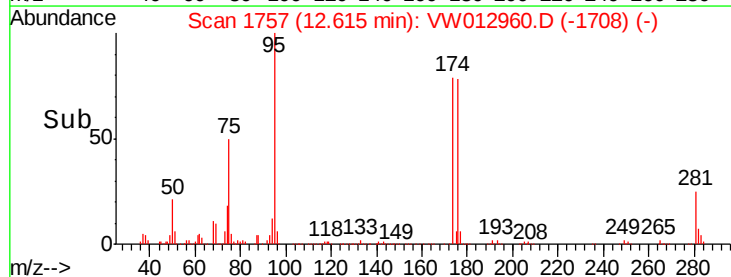
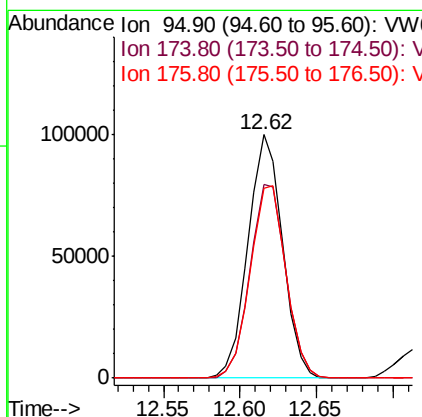
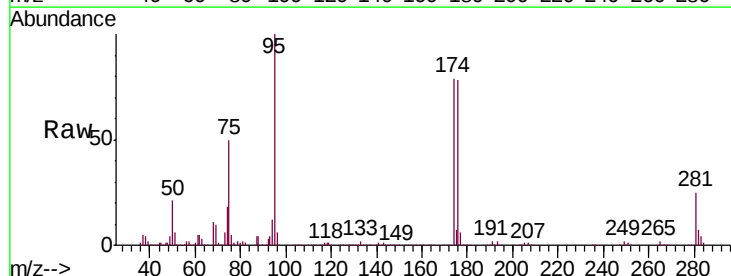
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

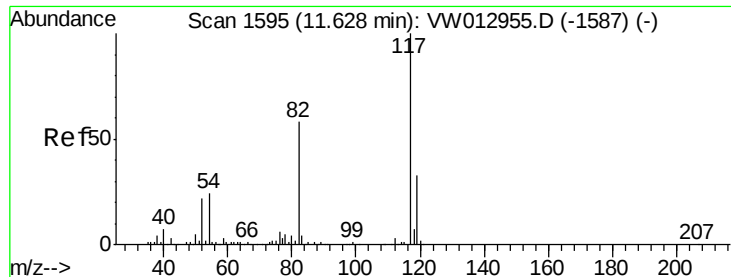
Tgt Ion: 107 Resp: 81375
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.652 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion: 95 Resp: 157188
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 170.4
 176 82.2 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

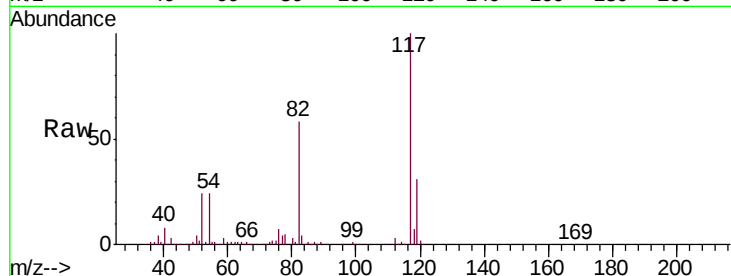
Tgt Ion:117 Resp: 367470

Ion Ratio Lower Upper

117 100

82 57.9 46.3 69.5

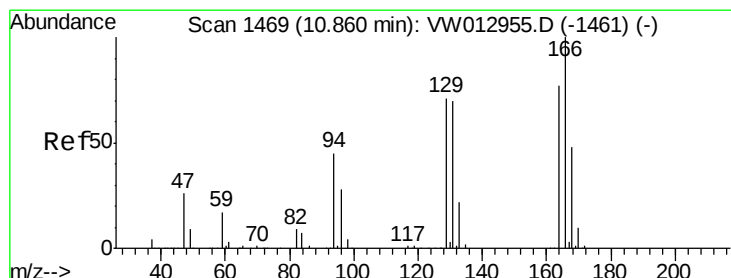
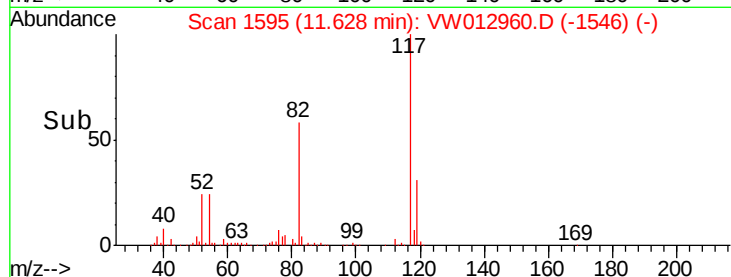
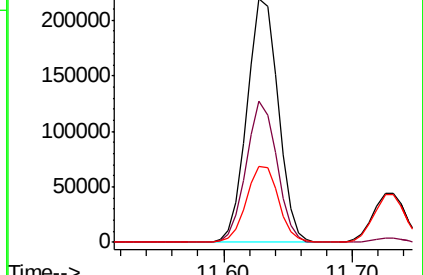
119 31.0 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 44.730 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Tgt Ion:164 Resp: 97784

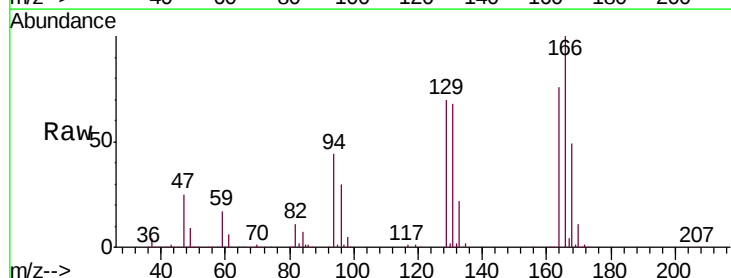
Ion Ratio Lower Upper

164 100

166 130.8 103.3 154.9

129 91.5 73.8 110.8

131 89.0 72.0 108.0

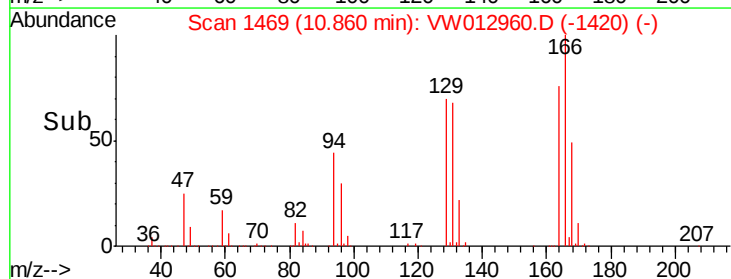
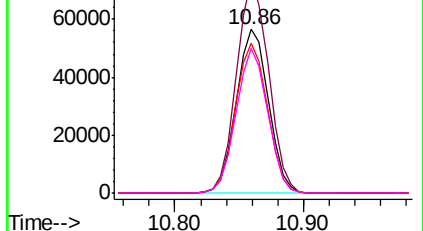


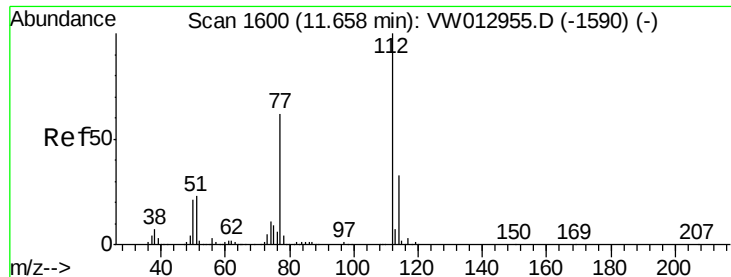
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

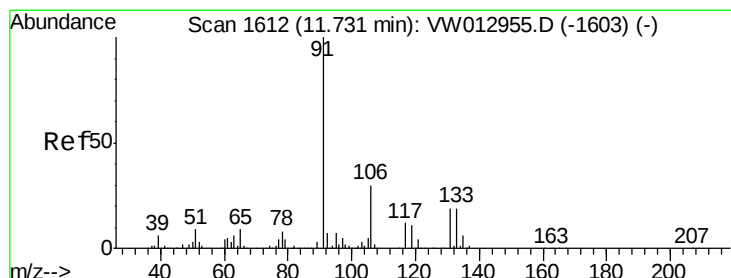
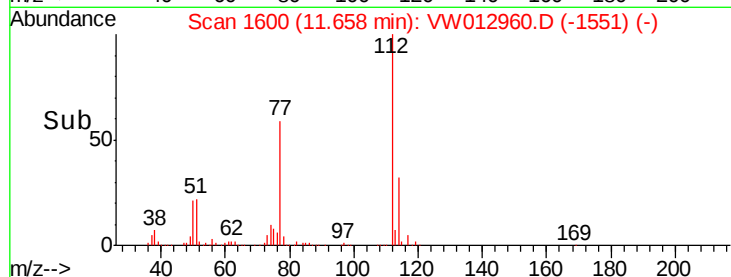
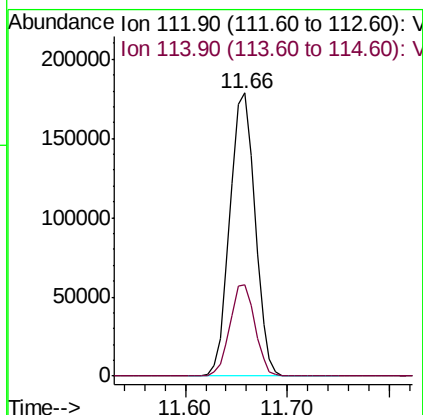
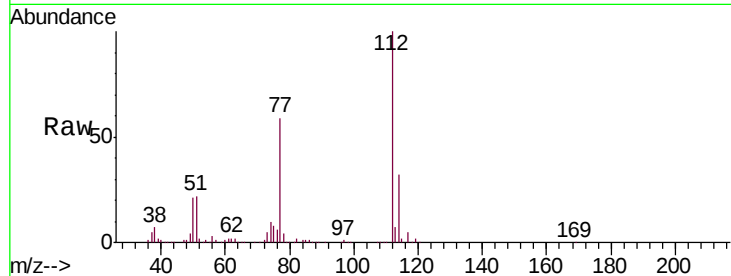




#65
Chlorobenzene
Concen: 46.572 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

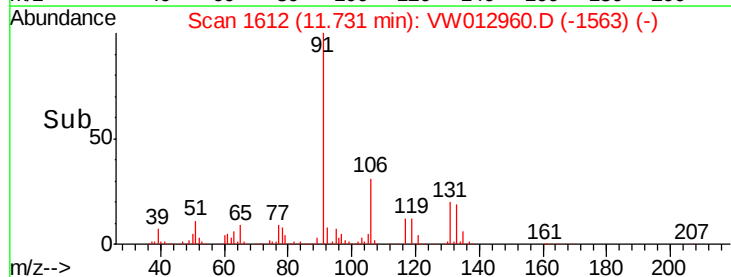
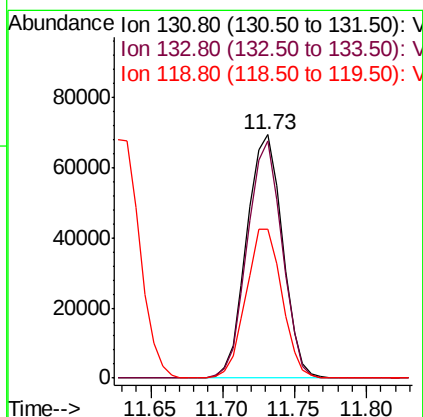
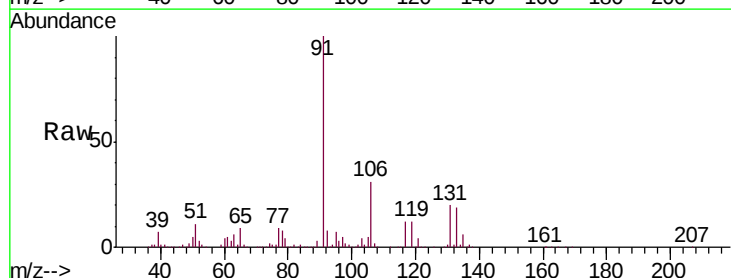
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

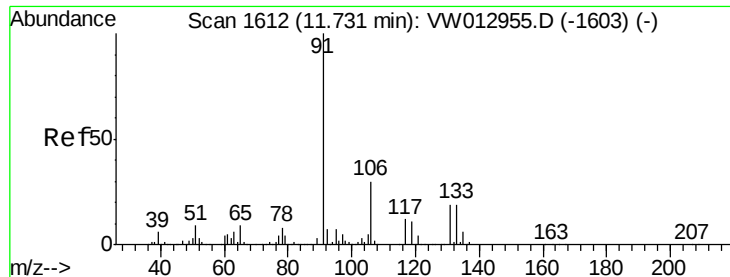
Tgt Ion:112 Resp: 304839
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.709 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion:131 Resp: 119672
Ion Ratio Lower Upper
131 100
133 94.4 47.9 143.8
119 61.6 30.9 92.7

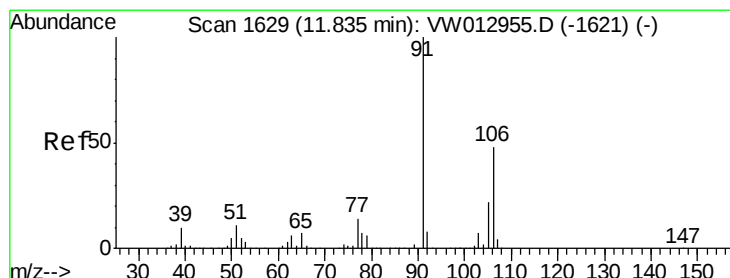
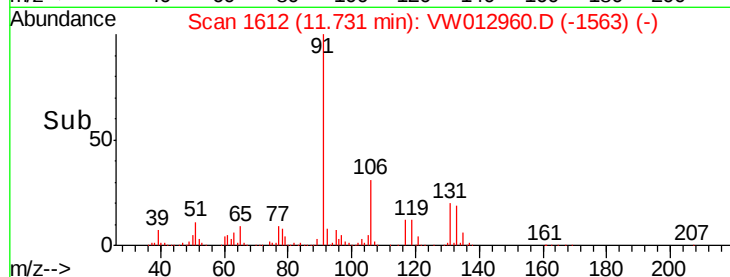
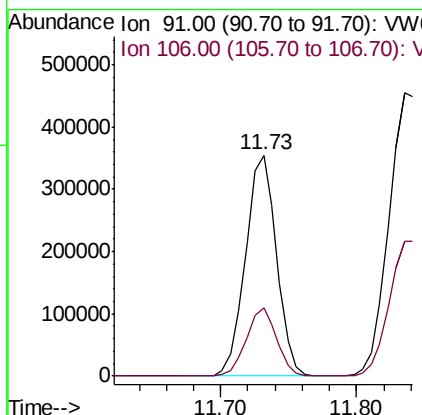
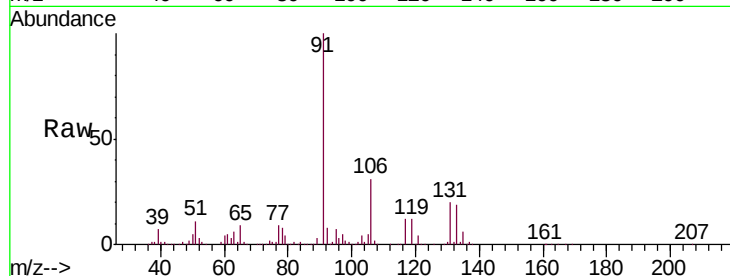




#67
Ethyl Benzene
Concen: 46.774 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

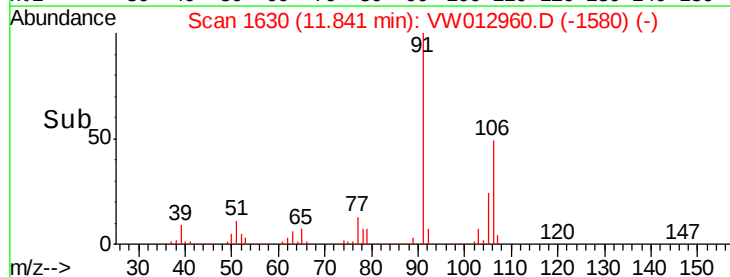
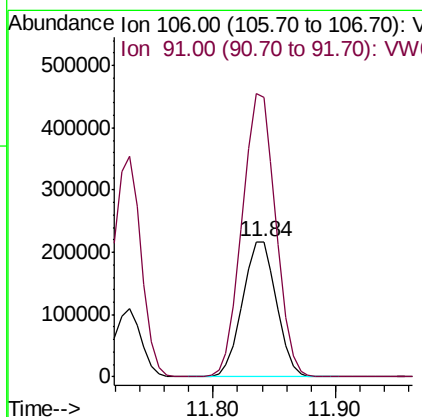
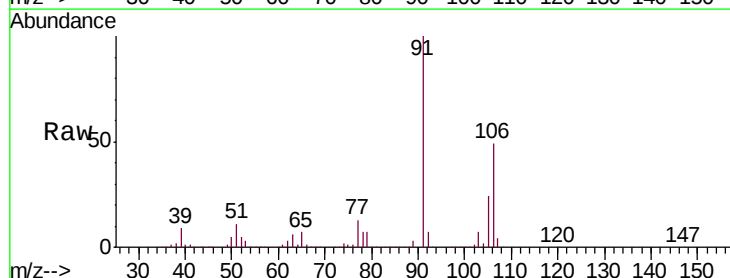
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 565435
Ion Ratio Lower Upper
91 100
106 31.2 24.3 36.5



#68
m/p-Xylenes
Concen: 94.601 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion: 106 Resp: 417772
Ion Ratio Lower Upper
106 100
91 207.7 165.8 248.8

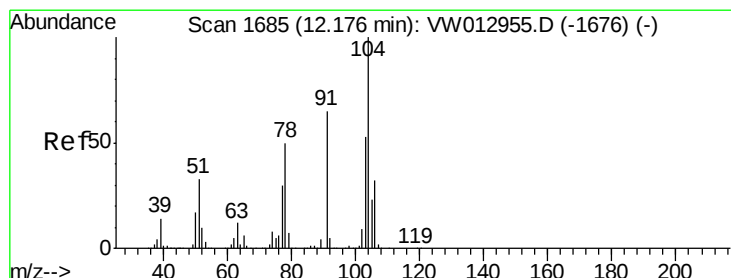
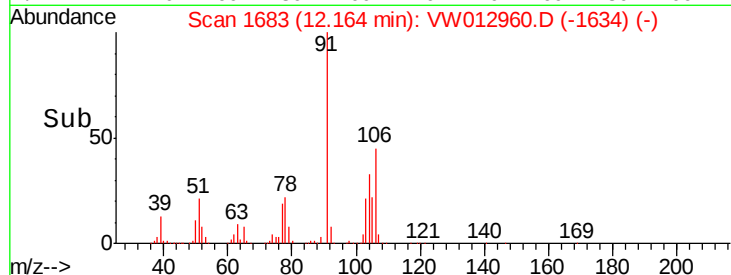
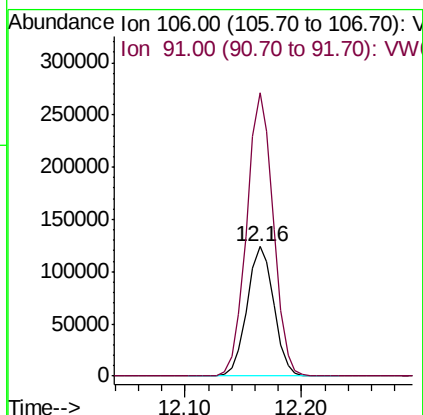
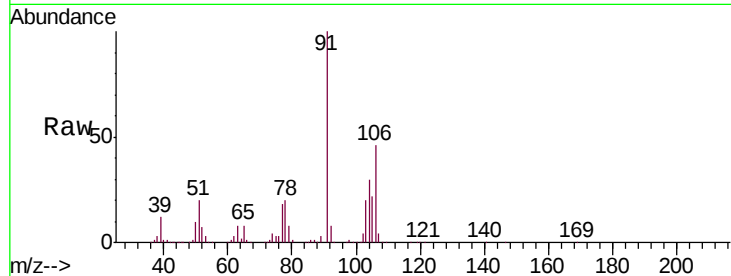




#69
o-Xylene
Concen: 48.017 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

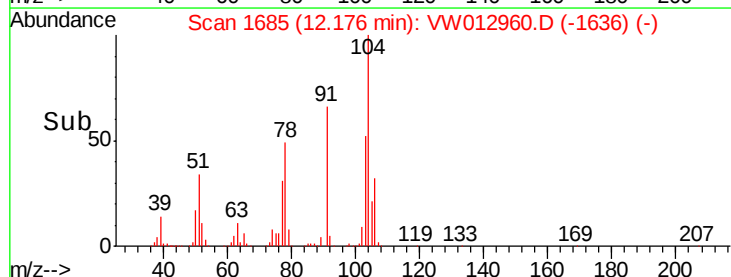
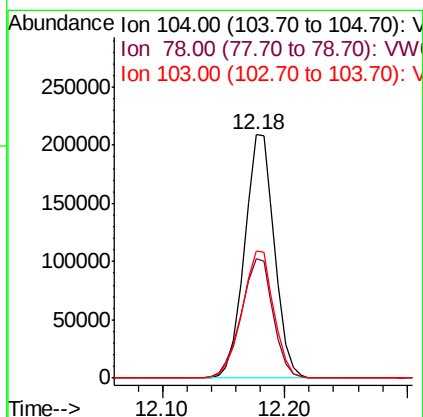
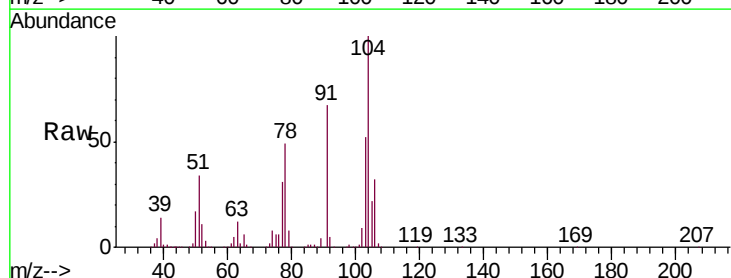
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

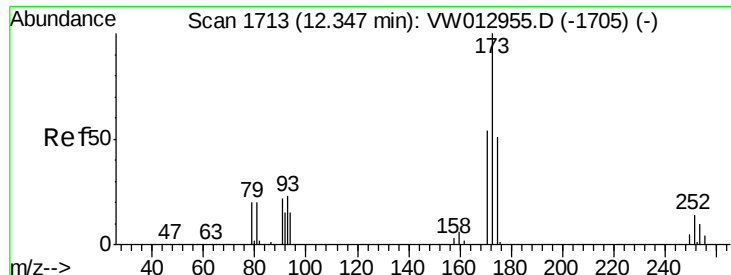
Tgt Ion:106 Resp: 198804
Ion Ratio Lower Upper
106 100
91 217.8 109.7 329.0



#70
Styrene
Concen: 48.022 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion:104 Resp: 353688
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 55.5 44.2 66.4





#71

Bromoform

Concen: 49.954 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

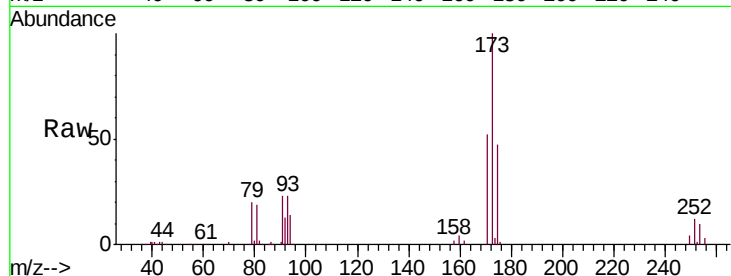
Tgt Ion:173 Resp: 65817

Ion Ratio Lower Upper

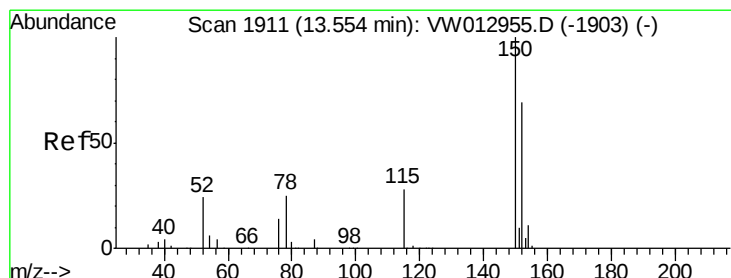
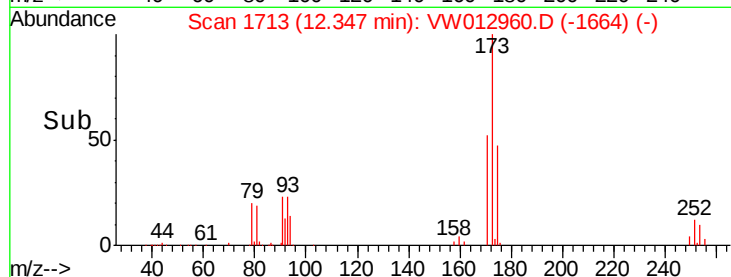
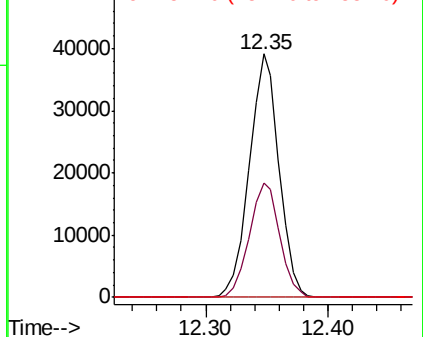
173 100

175 48.3 24.2 72.6

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

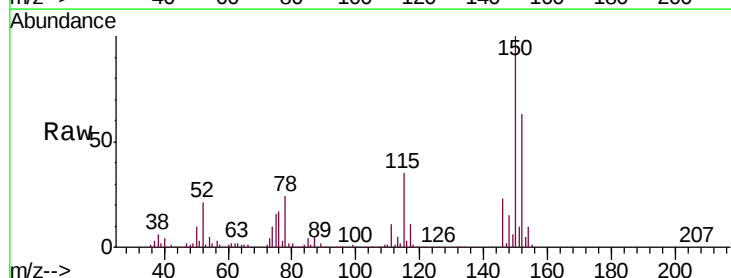
Tgt Ion:152 Resp: 186706

Ion Ratio Lower Upper

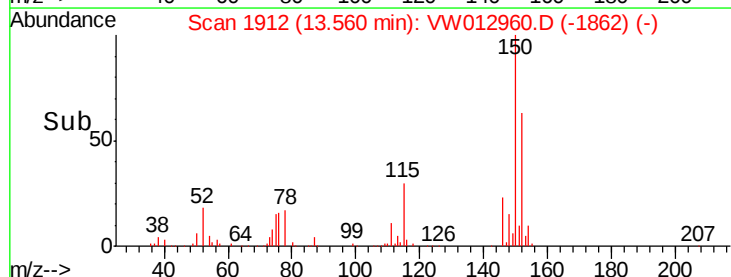
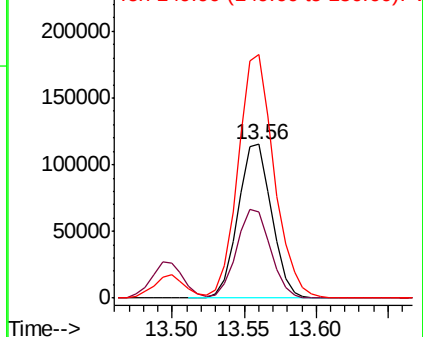
152 100

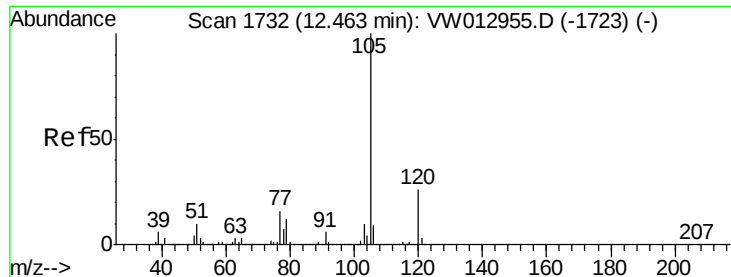
115 58.1 28.8 86.4

150 168.9 0.0 340.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.544 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

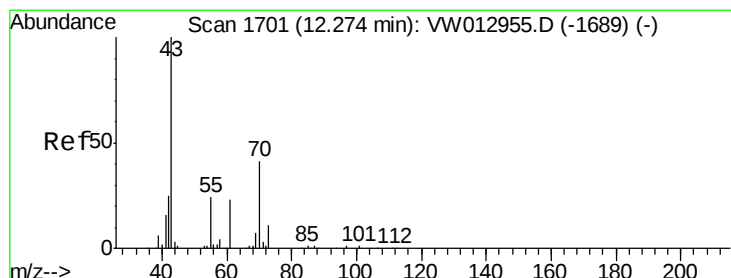
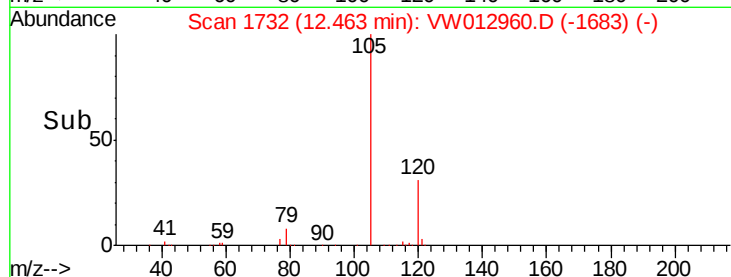
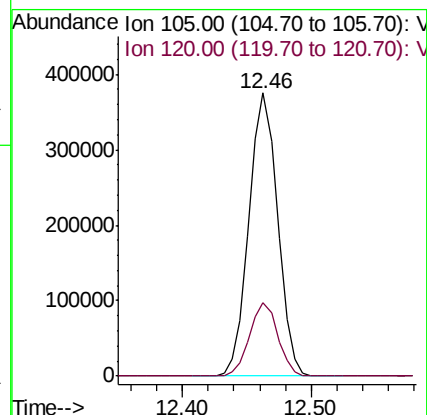
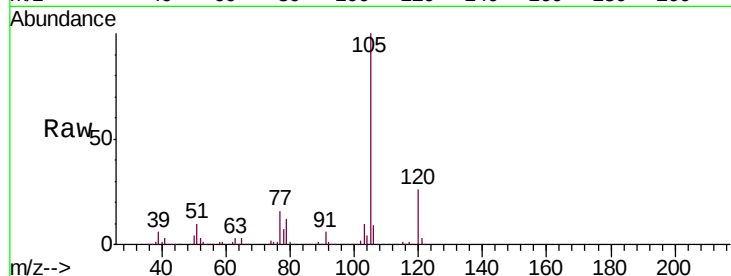
VSTDCCC050

Tgt Ion: 105 Resp: 575995

Ion Ratio Lower Upper

105 100

120 25.5 13.0 39.0



#74

N-ethyl acetate

Concen: 50.957 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Tgt Ion: 43 Resp: 162219

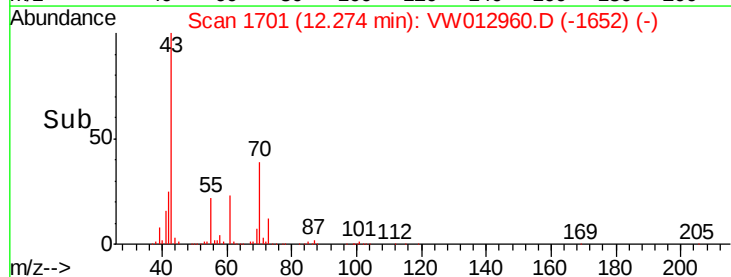
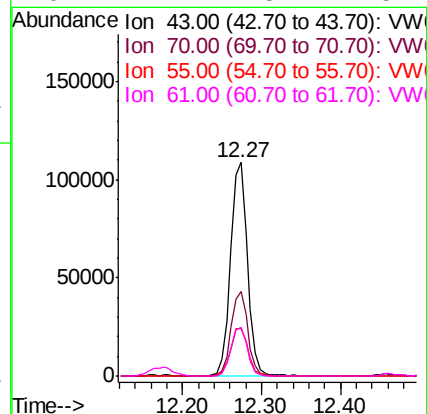
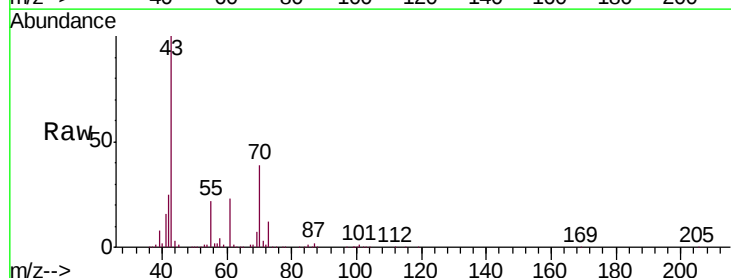
Ion Ratio Lower Upper

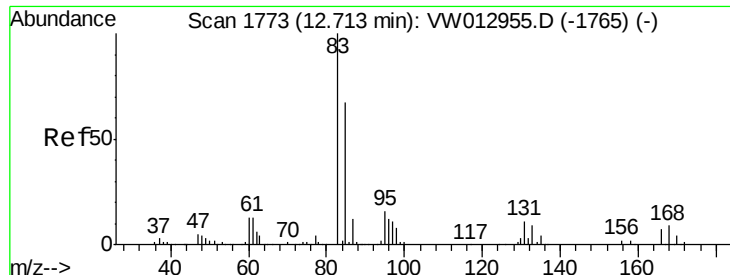
43 100

70 39.2 31.7 47.5

55 23.3 19.4 29.2

61 22.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.322 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

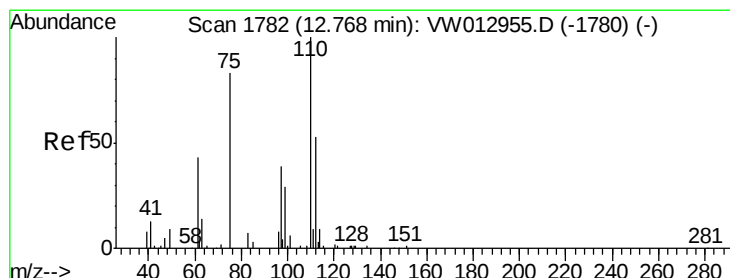
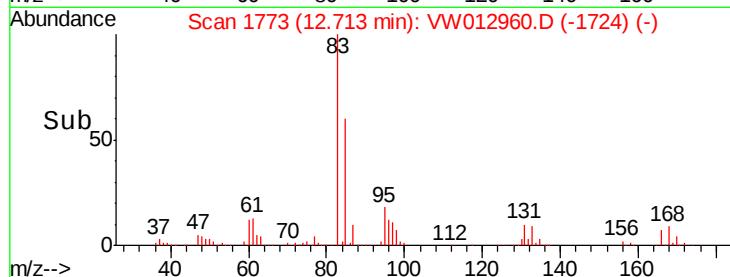
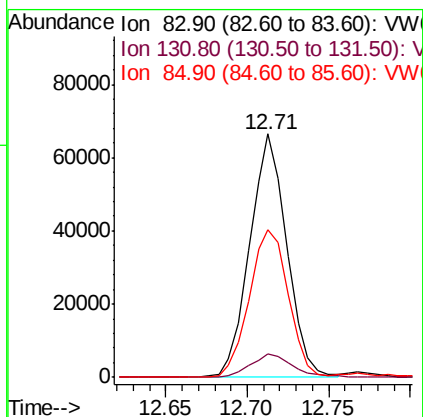
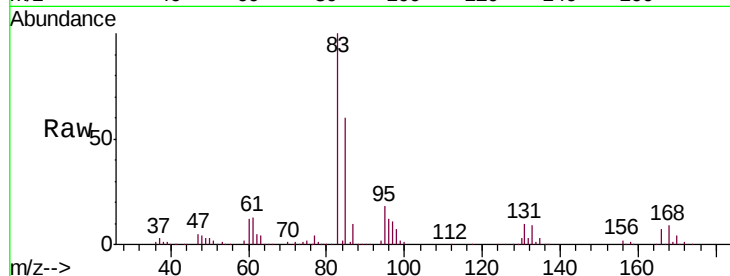
Tgt Ion: 83 Resp: 105032

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.1

85 63.9 31.4 94.3



#76

1,2,3-Trichloropropane

Concen: 86.093 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012960.D

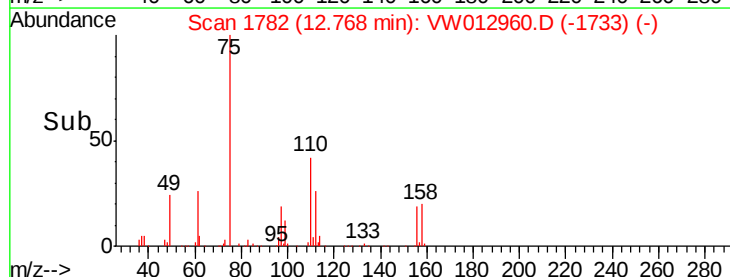
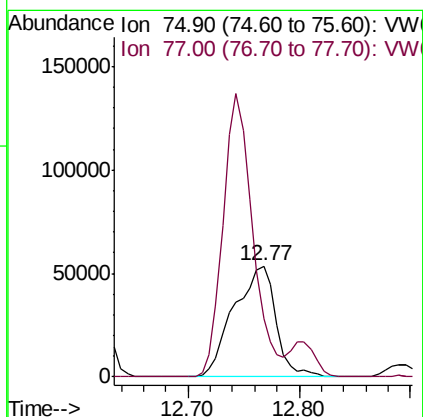
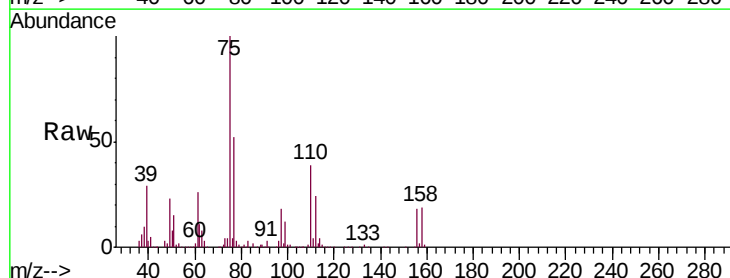
Acq: 13 Sep 2019 18:22

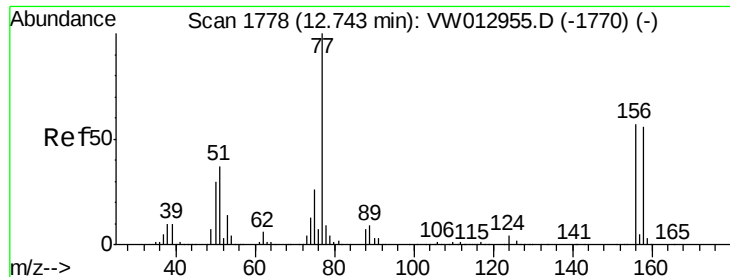
Tgt Ion: 75 Resp: 140797

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.478 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

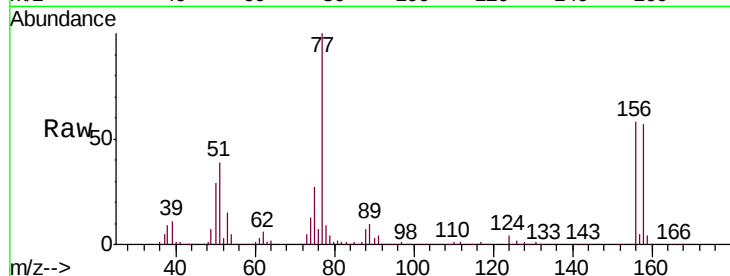
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

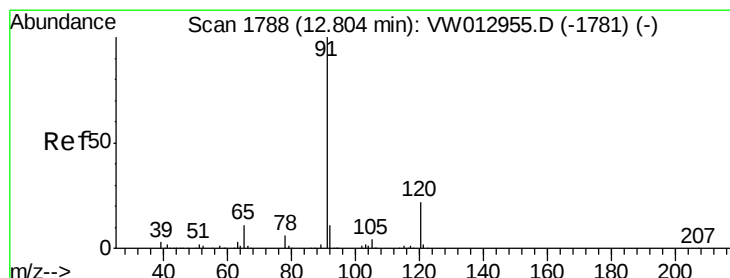
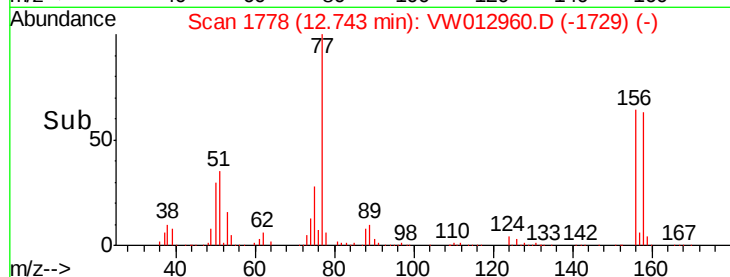
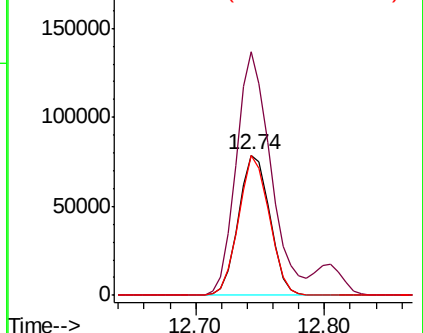
Tgt Ion:	156	Resp:	132507
Ion	Ratio	Lower	Upper
156	100		
77	192.1	95.2	285.6
158	97.3	49.0	147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.536 ug/l

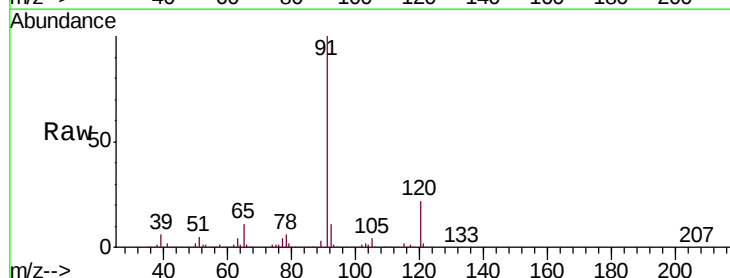
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012960.D

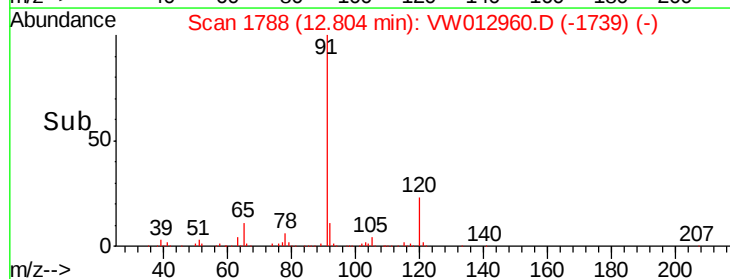
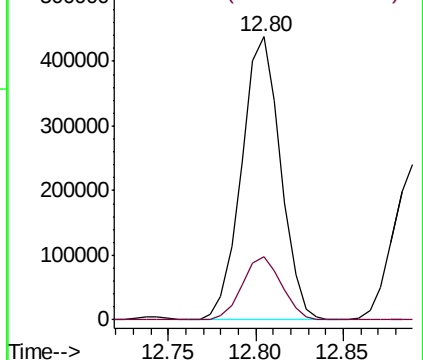
Acq: 13 Sep 2019 18:22

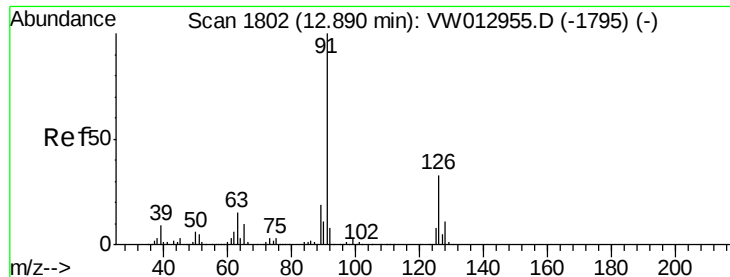
Tgt Ion:	91	Resp:	677436
Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.760 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

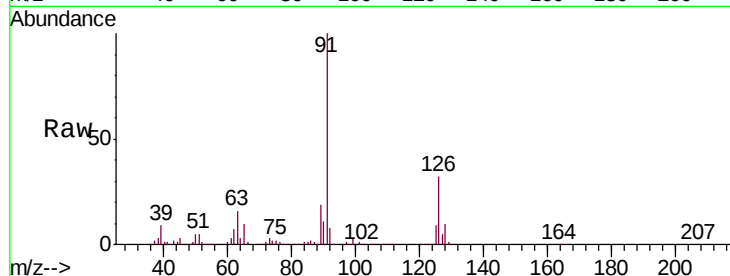
VSTDCCC050

Tgt Ion: 91 Resp: 391302

Ion Ratio Lower Upper

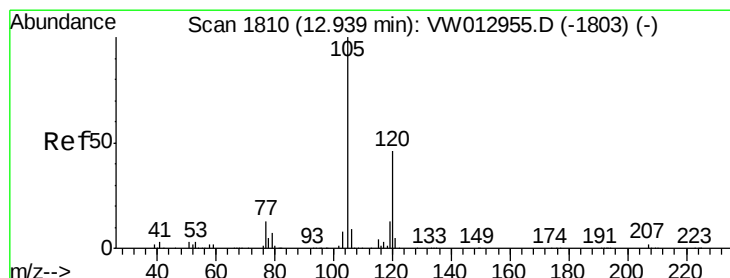
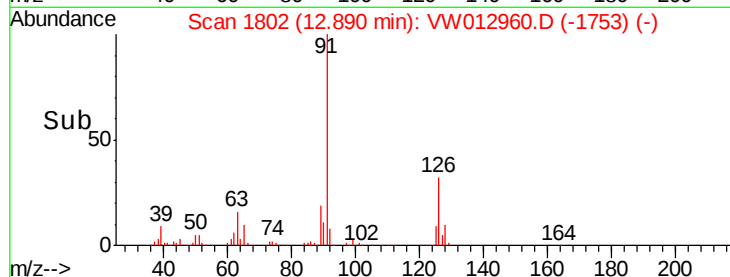
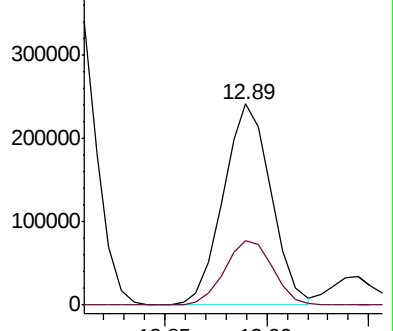
91 100

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: 46.963 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW012960.D

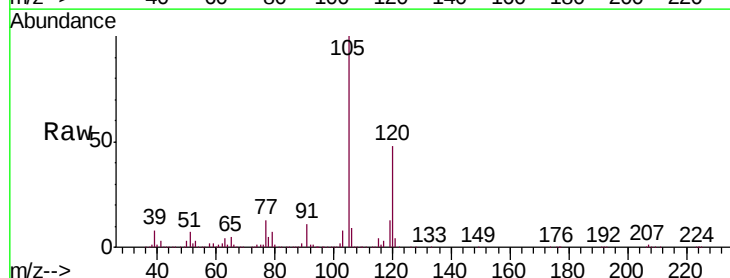
Acq: 13 Sep 2019 18:22

Tgt Ion: 105 Resp: 491678

Ion Ratio Lower Upper

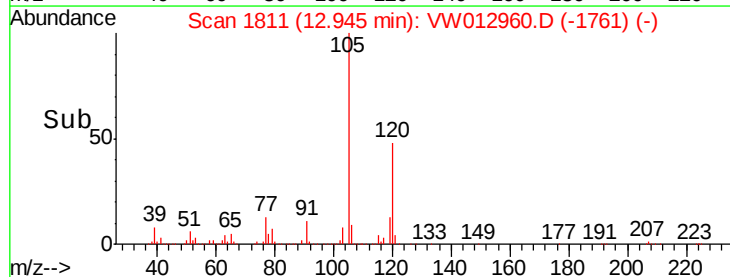
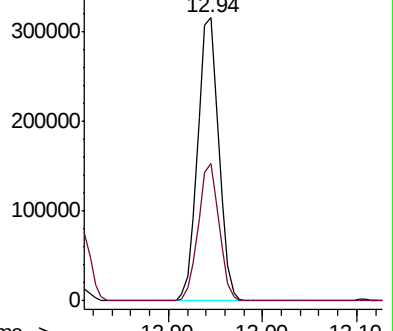
105 100

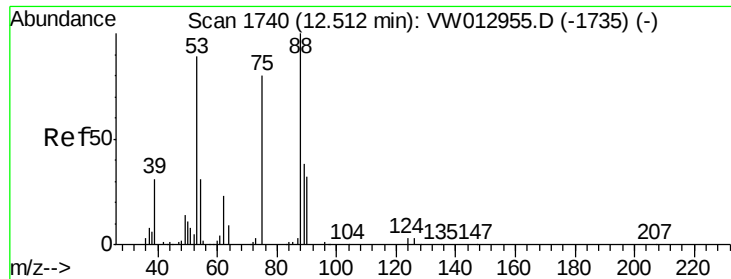
120 48.0 24.2 72.6



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: 49.446 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

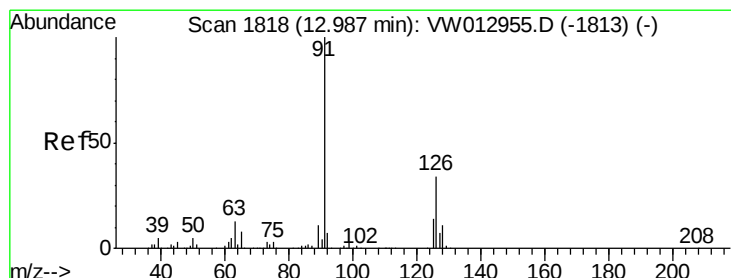
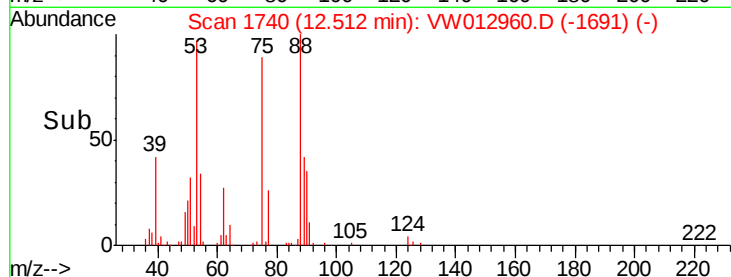
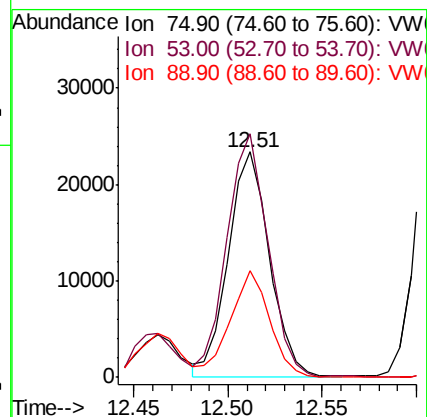
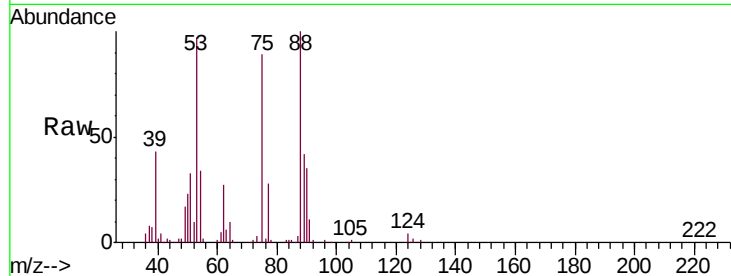
Tgt Ion: 75 Resp: 35647

Ion Ratio Lower Upper

75 100

53 107.0 85.6 128.4

89 45.6 37.2 55.8



#82

4-Chlorotoluene

Concen: 46.397 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012960.D

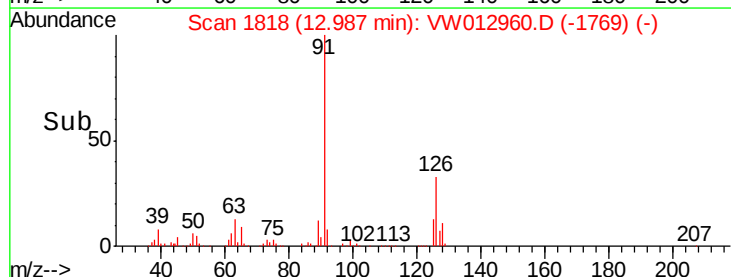
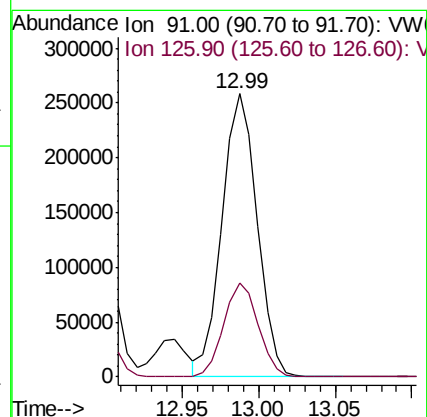
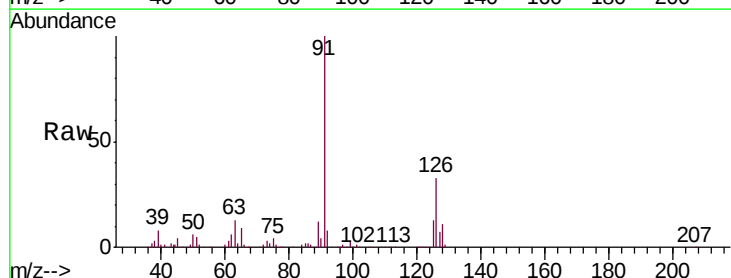
Acq: 13 Sep 2019 18:22

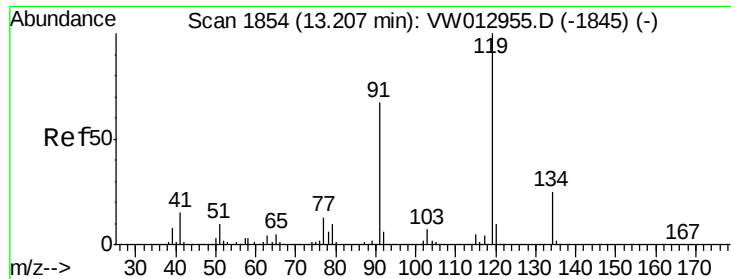
Tgt Ion: 91 Resp: 409664

Ion Ratio Lower Upper

91 100

126 32.9 16.1 48.3

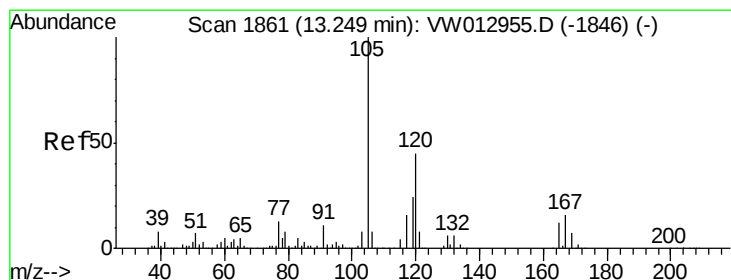
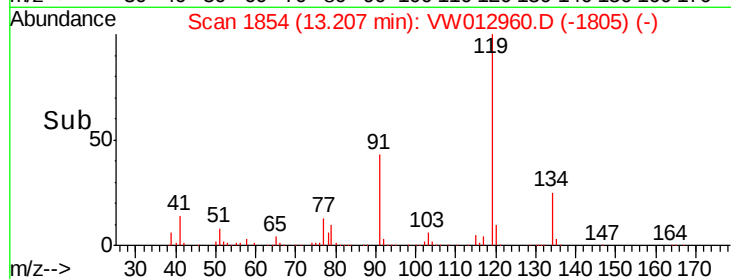
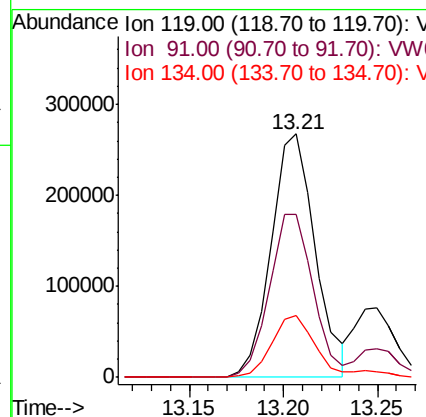
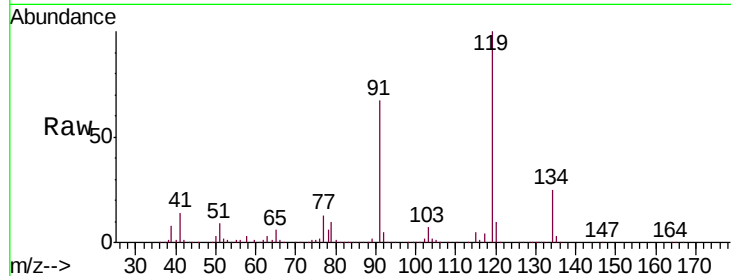




#83
 tert-Butylbenzene
 Concen: 46.334 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

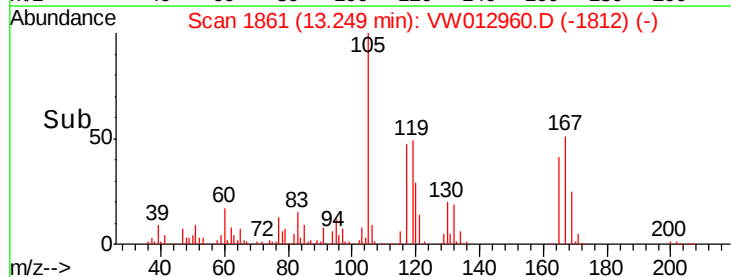
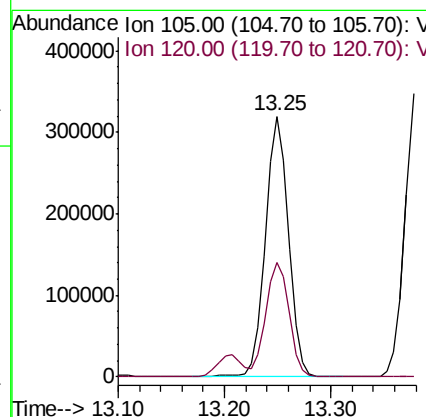
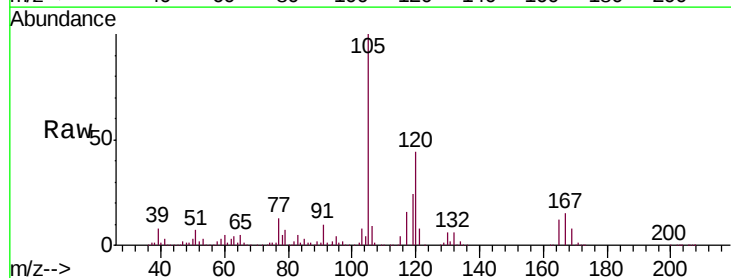
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

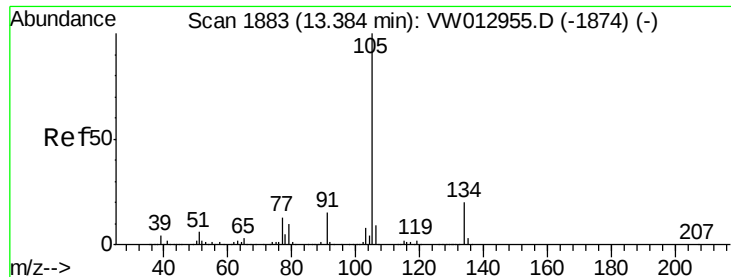
Tgt Ion:119 Resp: 433902
 Ion Ratio Lower Upper
 119 100
 91 66.6 32.6 98.0
 134 25.1 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 47.126 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion:105 Resp: 487549
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.7

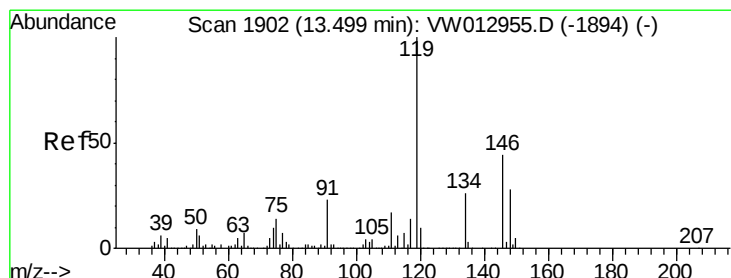
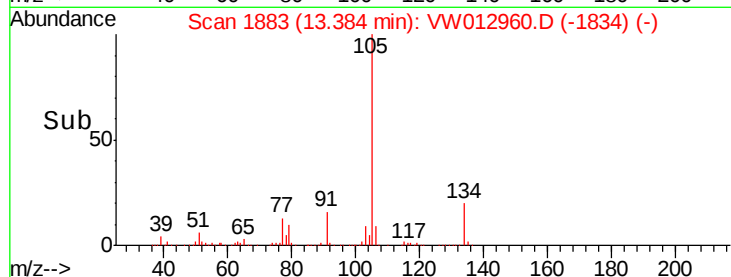
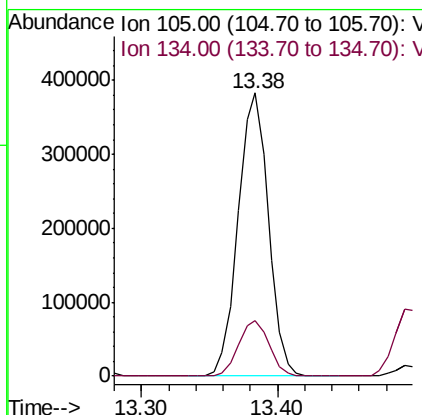
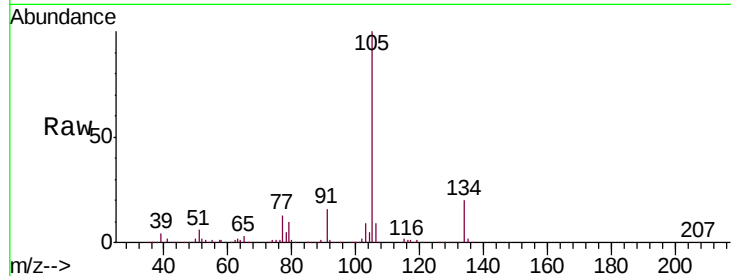




#85
 sec-Butylbenzene
 Concen: 46.549 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

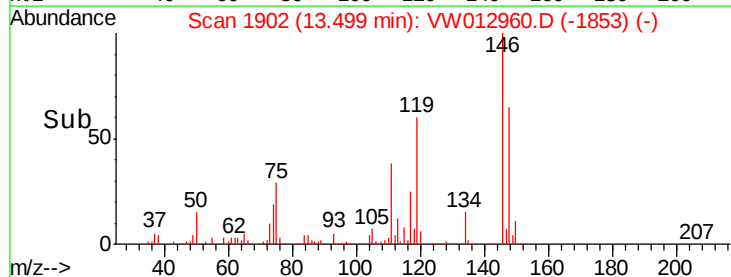
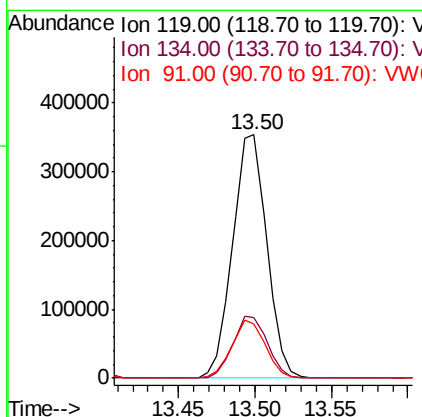
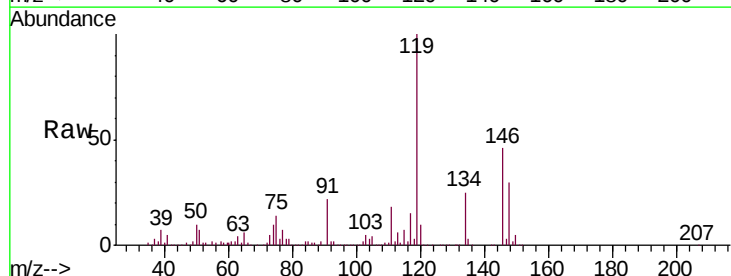
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

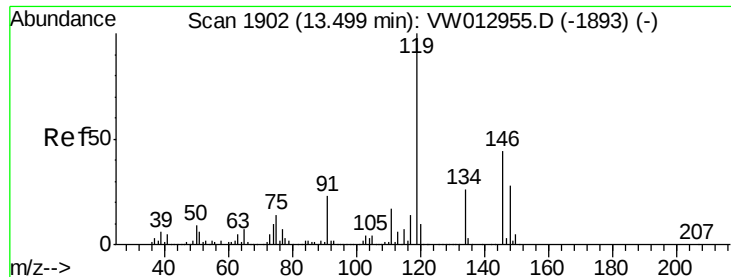
Tgt Ion:105 Resp: 593904
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 46.676 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion:119 Resp: 546766
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 23.4 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 46.325 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

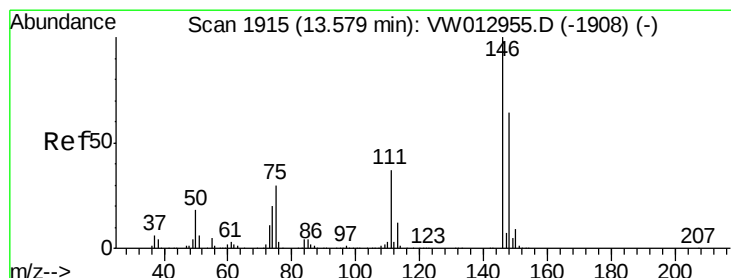
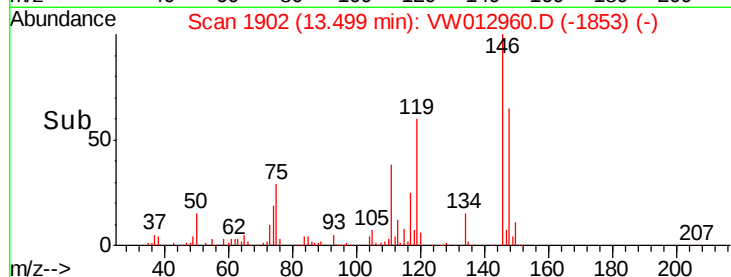
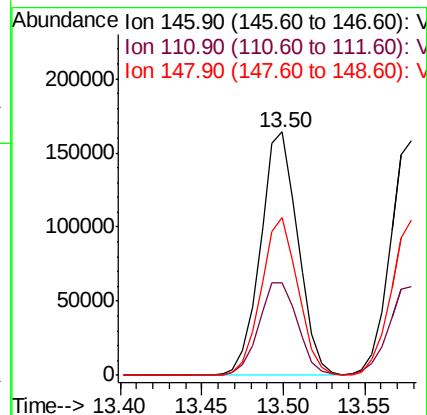
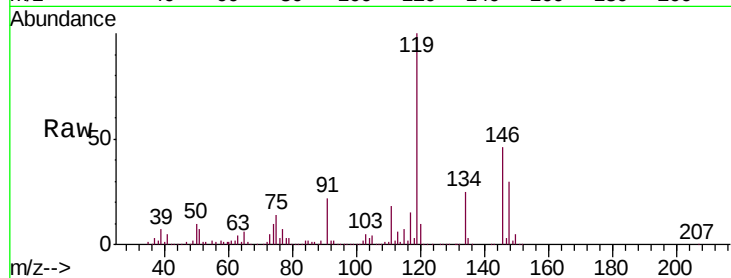
Tgt Ion:146 Resp: 261446

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.4

148 63.9 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 46.601 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

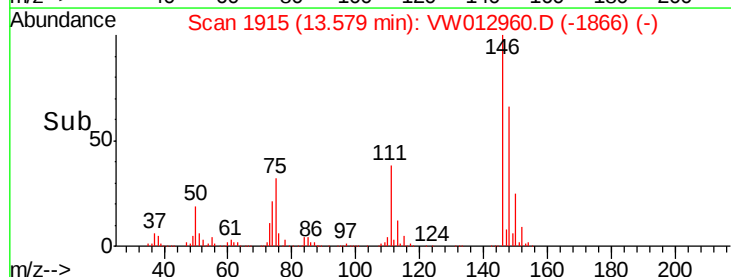
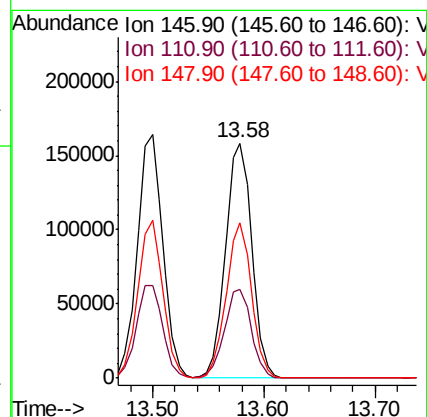
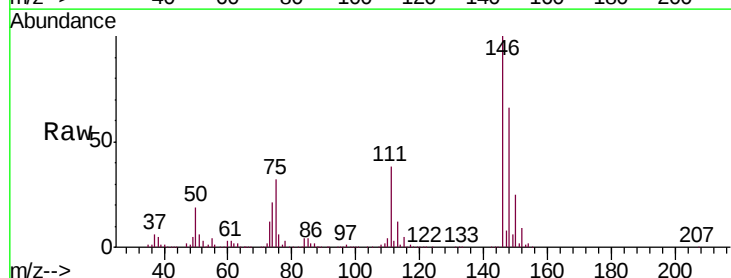
Tgt Ion:146 Resp: 258453

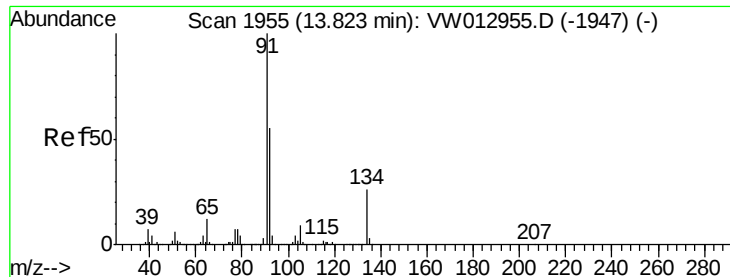
Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.2

148 63.9 31.9 95.5





#89

n-Butylbenzene

Concen: 47.037 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012960.D

Acq: 13 Sep 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

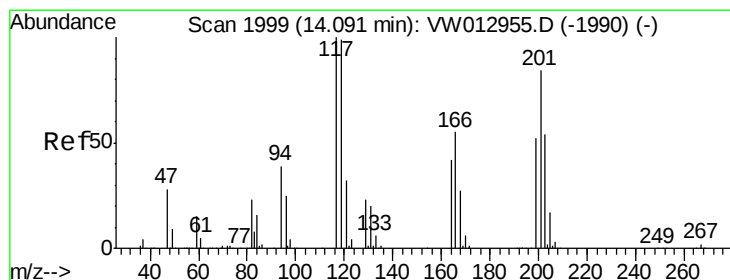
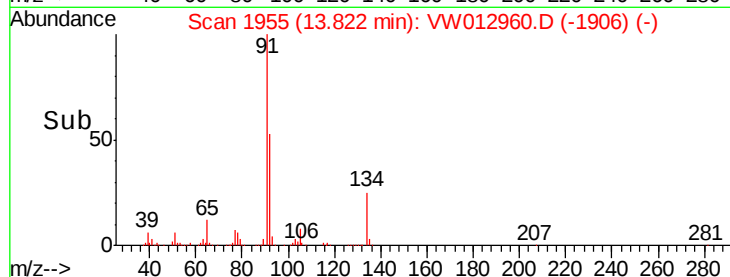
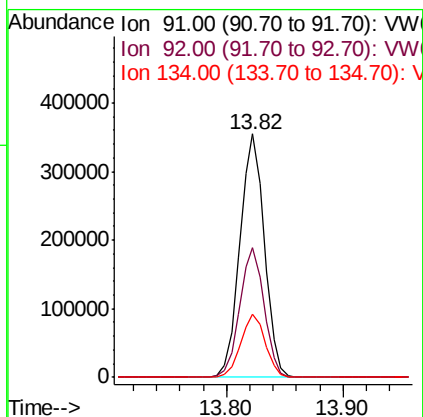
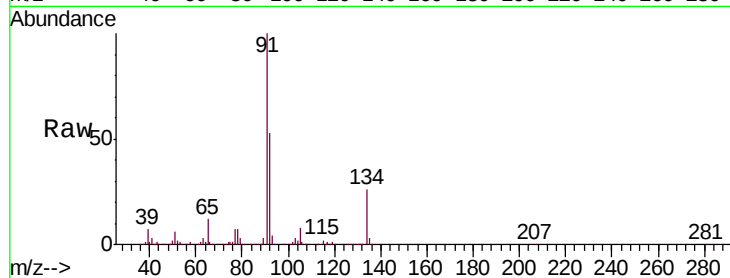
Tgt Ion: 91 Resp: 519635

Ion Ratio Lower Upper

91 100

92 53.2 27.2 81.5

134 26.0 13.1 39.1



#90

Hexachloroethane

Concen: 46.127 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012960.D

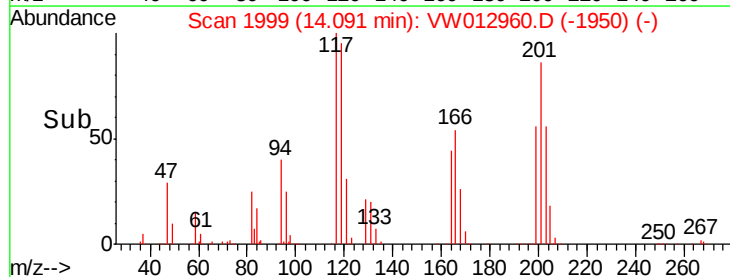
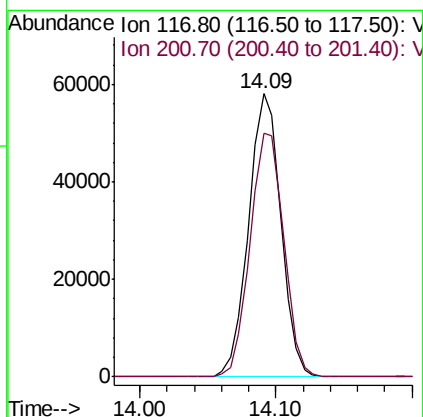
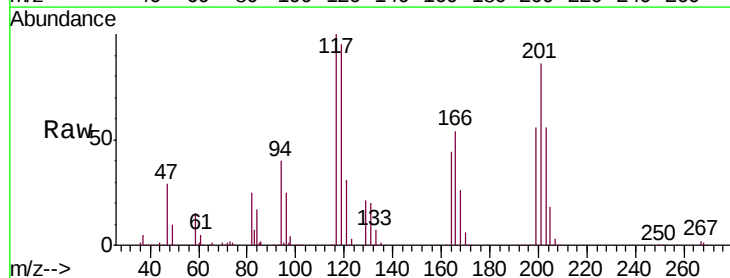
Acq: 13 Sep 2019 18:22

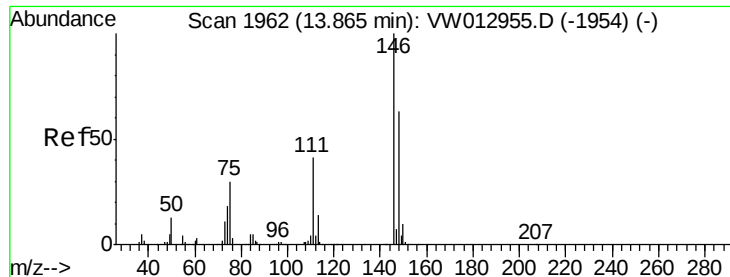
Tgt Ion: 117 Resp: 96830

Ion Ratio Lower Upper

117 100

201 89.8 45.3 135.9

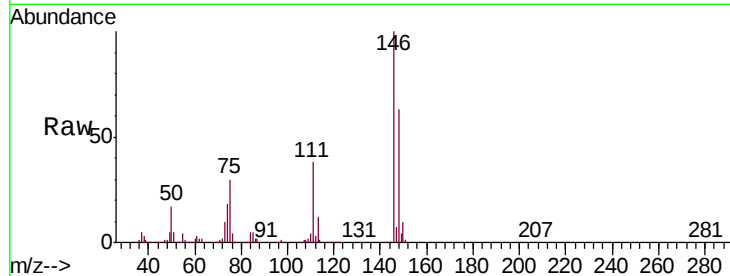




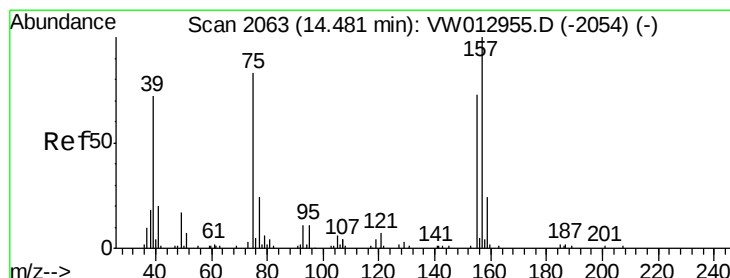
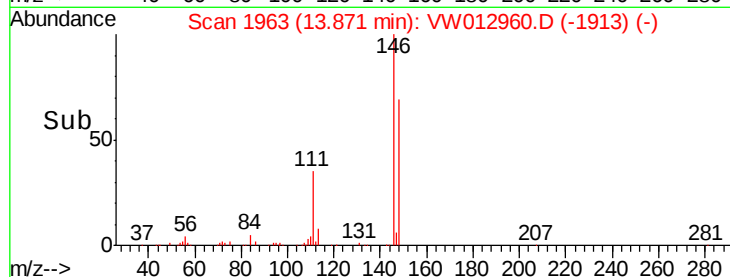
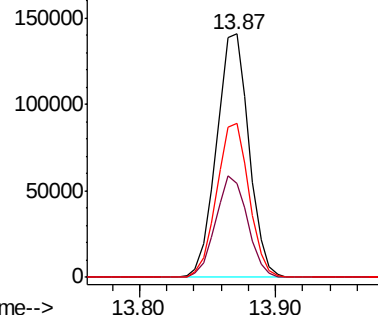
#91
 1,2-Dichlorobenzene
 Concen: 47.396 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.5
148	63.1	32.7	98.1

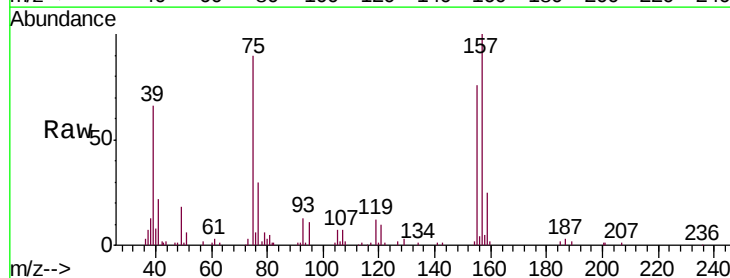


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

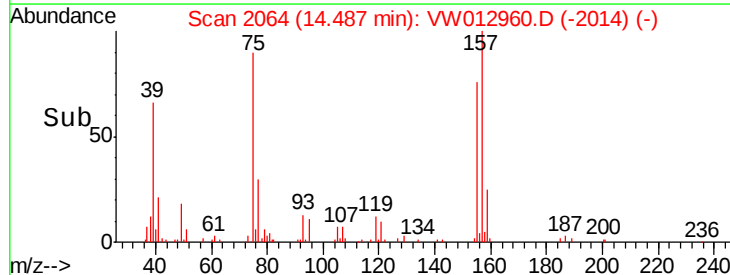
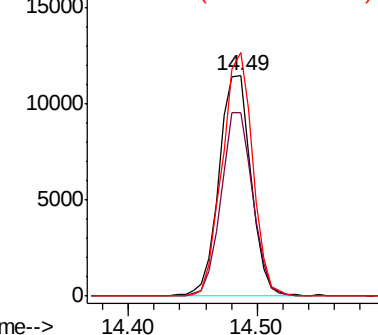


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.095 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	43.3	129.9
157	105.0	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

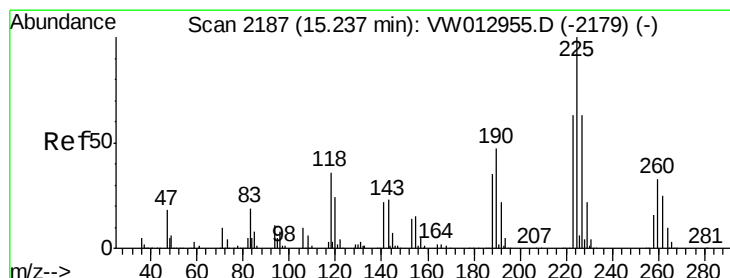
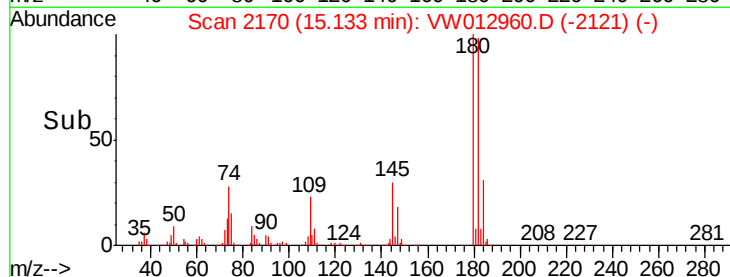
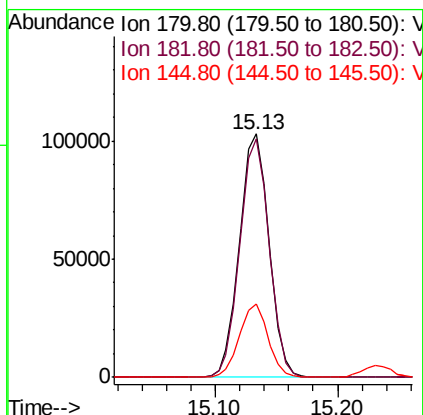
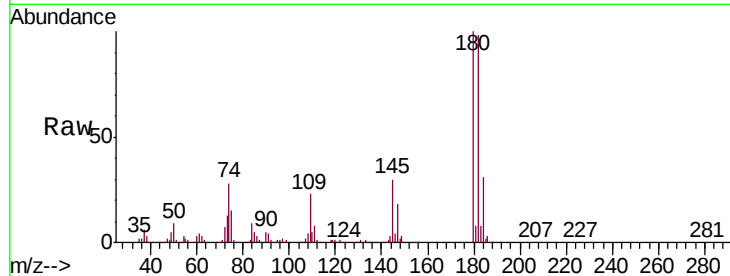




#93
 1,2,4-Trichlorobenzene
 Concen: 48.844 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

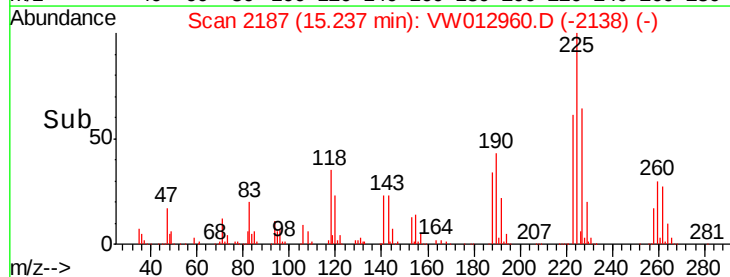
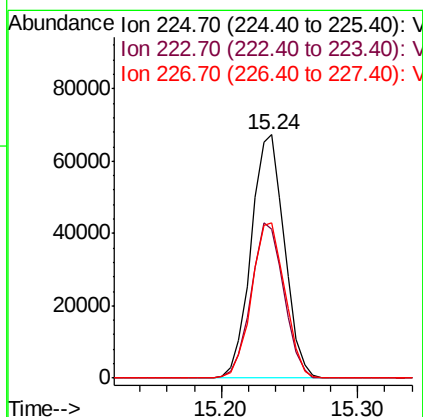
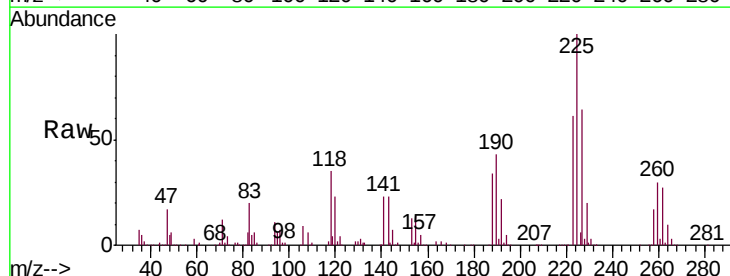
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

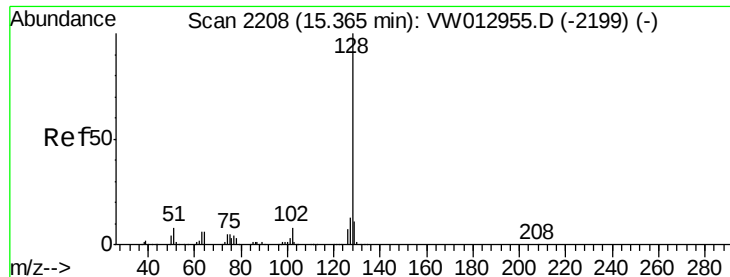
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.4	142.2
145	29.2	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 46.043 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012960.D
 Acq: 13 Sep 2019 18:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	95.3
227	64.0	31.3	93.8

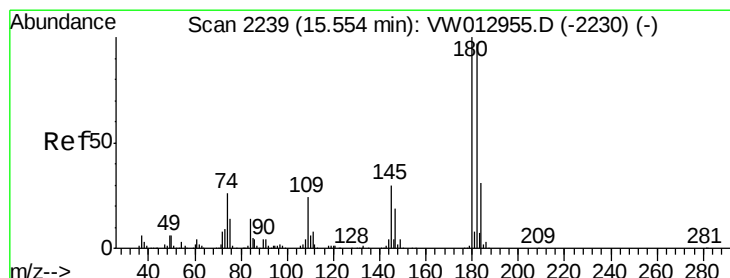
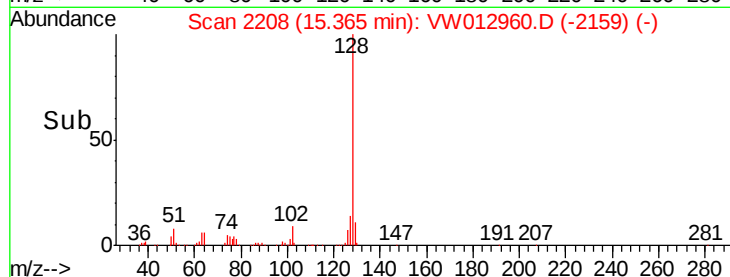
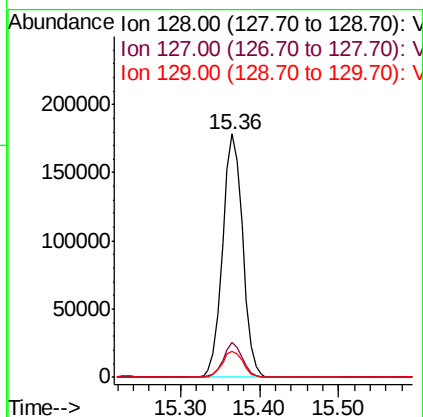
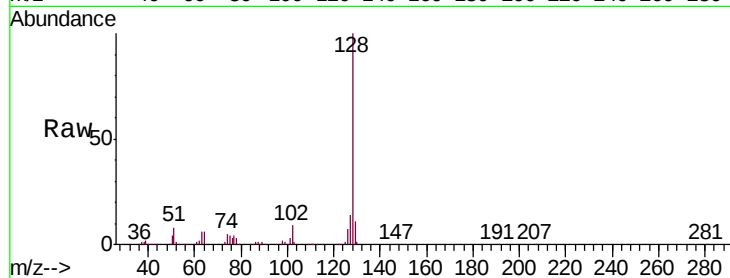




#95
Naphthalene
Concen: 53.388 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 315743
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.6
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.729 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012960.D
Acq: 13 Sep 2019 18:22

Tgt Ion:180 Resp: 155598
Ion Ratio Lower Upper
180 100
182 95.2 47.6 142.8
145 31.2 15.4 46.2

