

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
 Data File : VW013219.D
 Acq On : 21 Sep 2019 07:48
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 23 01:03:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	340239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	500131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	436264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	220727	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	146165	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.88	113	142592	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.32	98	595000	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.62	95	202412	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	85346	43.486	ug/l 92
3) Chloromethane	2.21	50	109367	43.350	ug/l 100
4) Vinyl Chloride	2.36	62	147436	45.330	ug/l 99
5) Bromomethane	2.77	94	91130	44.212	ug/l 95
6) Chloroethane	2.91	64	86224	44.974	ug/l 98
7) Trichlorofluoromethane	3.25	101	83821	44.693	ug/l 97
8) Diethyl Ether	3.67	74	77497	48.376	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140743	46.094	ug/l 100
10) Methyl Iodide	4.26	142	220706	46.621	ug/l 100
11) Tert butyl alcohol	5.20	59	55123	276.846	ug/l 99
12) 1,1-Dichloroethene	4.04	96	146356	46.287	ug/l 98
13) Acrolein	3.89	56	38768	242.527	ug/l 99
14) Allyl chloride	4.67	41	233905	46.482	ug/l 98
15) Acrylonitrile	5.37	53	178002	257.437	ug/l 98
16) Acetone	4.13	43	128339	204.945	ug/l 94
17) Carbon Disulfide	4.38	76	411492	45.026	ug/l 100
18) Methyl Acetate	4.67	43	95578	54.297	ug/l 100
19) Methyl tert-butyl Ether	5.42	73	241158	49.765	ug/l 96
20) Methylene Chloride	4.91	84	152424	47.445	ug/l 96
21) trans-1,2-Dichloroethene	5.42	96	160401	46.936	ug/l 96
22) Diisopropyl ether	6.31	45	463388	48.425	ug/l 99
23) Vinyl Acetate	6.25	43	1348067	237.465	ug/l 100
24) 1,1-Dichloroethane	6.21	63	274013	47.454	ug/l 99
25) 2-Butanone	7.17	43	225415	239.792	ug/l 93
26) 2,2-Dichloropropane	7.16	77	140082	39.871	ug/l 98
27) cis-1,2-Dichloroethene	7.16	96	172274	47.767	ug/l 98
28) Bromochloromethane	7.51	49	124768	56.299	ug/l 99
29) Tetrahydrofuran	7.53	42	152395	264.346	ug/l 100
30) Chloroform	7.67	83	264247	46.742	ug/l 97
31) Cyclohexane	7.95	56	273472	45.434	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	214137	46.768	ug/l 99
36) 1,1-Dichloropropene	8.08	75	225701	46.593	ug/l 98
37) Ethyl Acetate	7.25	43	104806	50.907	ug/l 99
38) Carbon Tetrachloride	8.07	117	200000	46.057	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	289796	46.552	ug/l	98
40) Benzene	8.32	78	629637	46.599	ug/l	99
41) Methacrylonitrile	7.48	41	68344	55.622	ug/l	91
42) 1,2-Dichloroethane	8.40	62	171293	47.159	ug/l	100
43) Isopropyl Acetate	8.42	43	193288	48.986	ug/l	98
44) Trichloroethene	9.09	130	173755	45.834	ug/l	99
45) 1,2-Dichloropropane	9.37	63	152719	46.296	ug/l	99
46) Dibromomethane	9.46	93	76315	47.651	ug/l	99
47) Bromodichloromethane	9.64	83	186036	45.651	ug/l	97
48) Methyl methacrylate	9.43	41	98435	53.053	ug/l	95
49) 1,4-Dioxane	9.46	88	25720	1069.872	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	503623	254.598	ug/l	99
52) Toluene	10.38	92	406417	46.933	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	191351	45.703	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	230566	45.292	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	115111	48.087	ug/l	98
56) Ethyl methacrylate	10.65	69	160467	51.221	ug/l	100
57) 1,3-Dichloropropane	10.93	76	200940	48.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	383388	264.346	ug/l	100
59) 2-Hexanone	10.97	43	340857	250.458	ug/l	100
60) Dibromochloromethane	11.13	129	131680	48.445	ug/l	99
61) 1,2-Dibromoethane	11.24	107	109877	48.276	ug/l	99
64) Tetrachloroethene	10.86	164	170991	51.658	ug/l	96
65) Chlorobenzene	11.66	112	418020	45.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	146202	46.976	ug/l	98
67) Ethyl Benzene	11.73	91	767836	46.517	ug/l	99
68) m/p-Xylenes	11.84	106	591089	93.973	ug/l	99
69) o-Xylene	12.16	106	272242	46.553	ug/l	100
70) Styrene	12.18	104	478677	47.678	ug/l	99
71) Bromoform	12.35	173	79534	48.372	ug/l	99
73) Isopropylbenzene	12.46	105	763431	46.821	ug/l	99
74) N-amyl acetate	12.27	43	179824	49.701	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130727	47.939	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	162511	83.368	ug/l #	100
77) Bromobenzene	12.74	156	177212	45.864	ug/l	96
78) n-propylbenzene	12.80	91	886822	46.465	ug/l	100
79) 2-Chlorotoluene	12.89	91	493293	46.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	634860	46.319	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	39322	45.265	ug/l	97
82) 4-Chlorotoluene	12.99	91	518198	45.957	ug/l	99
83) tert-Butylbenzene	13.21	119	563654	46.853	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	633003	46.411	ug/l	99
85) sec-Butylbenzene	13.38	105	775182	46.738	ug/l	100
86) p-Isopropyltoluene	13.50	119	714555	46.449	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	342402	46.044	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	335423	45.991	ug/l	99
89) n-Butylbenzene	13.82	91	647407	46.090	ug/l	100
90) Hexachloroethane	14.09	117	118509	45.857	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	304254	47.293	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20722	49.681	ug/l	98

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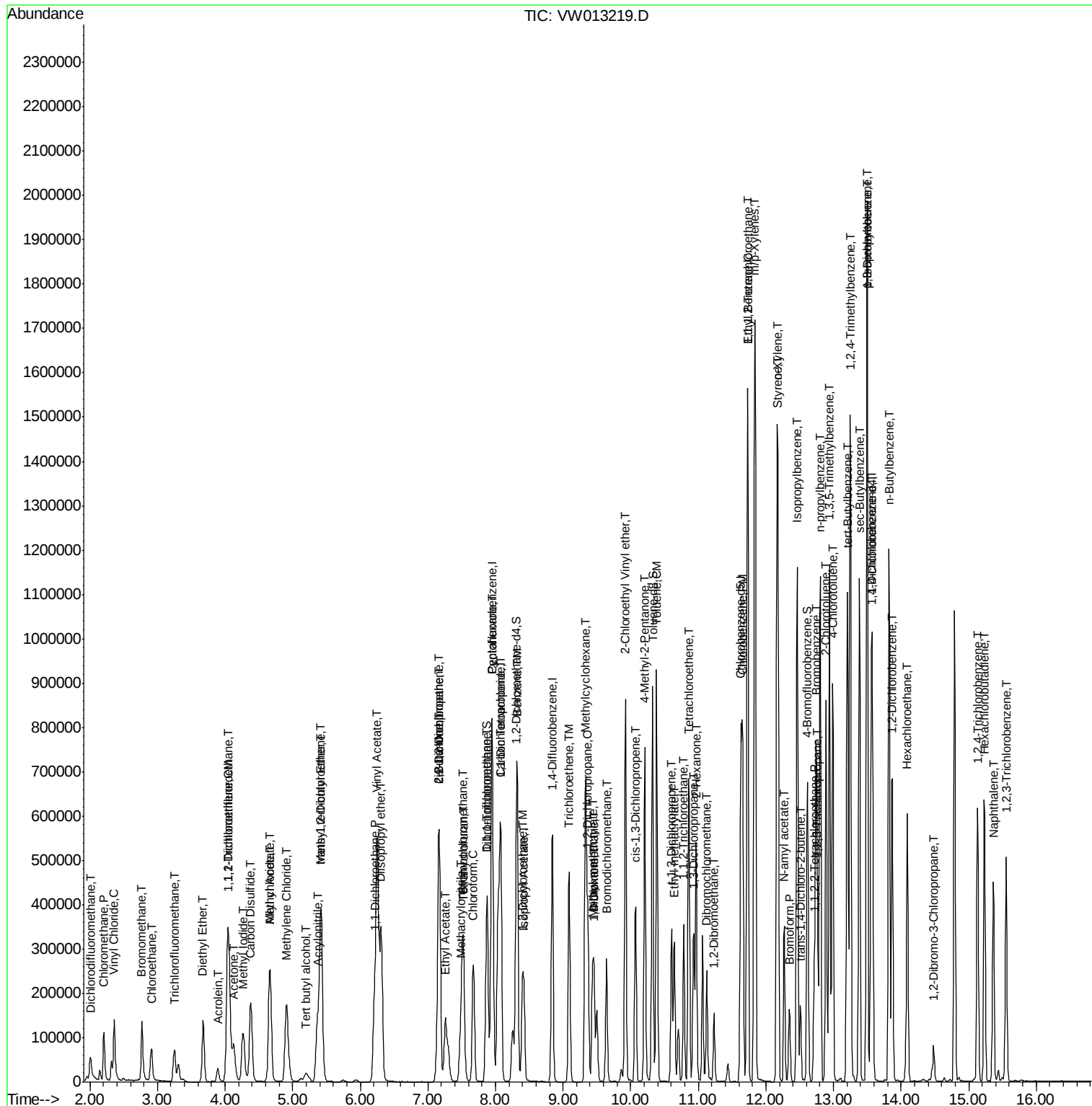
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	216794	47.027	ug/l	99
94) Hexachlorobutadiene	15.24	225	141706	44.930	ug/l	97
95) Naphthalene	15.36	128	393415	52.179	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	190211	47.751	ug/l	99

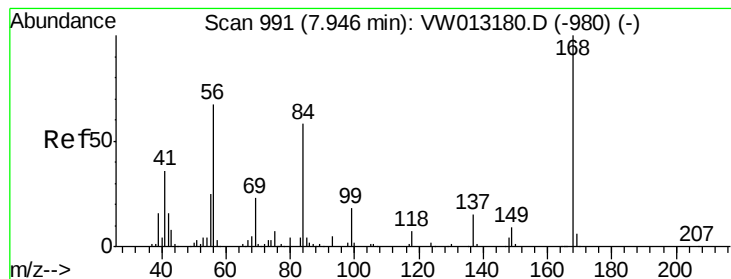
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

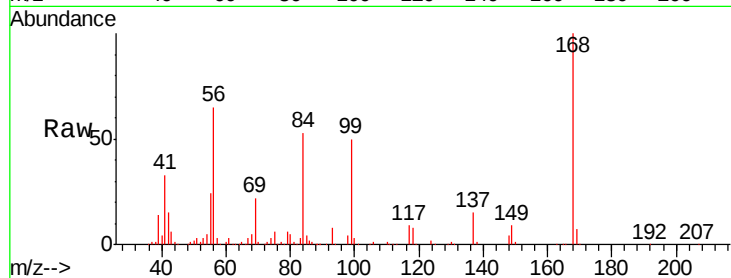
VSTDCCC050EC

Tgt Ion:168 Resp: 340239

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

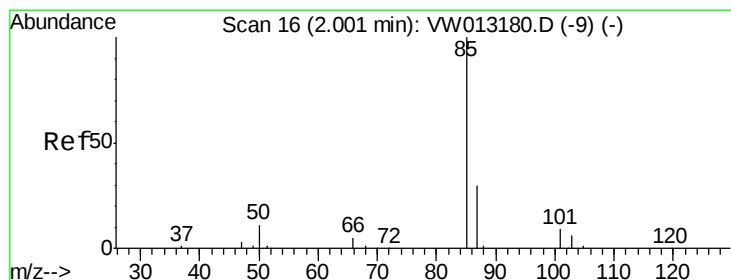
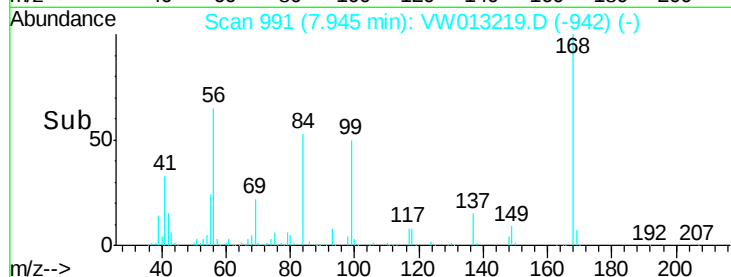
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.486 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013219.D

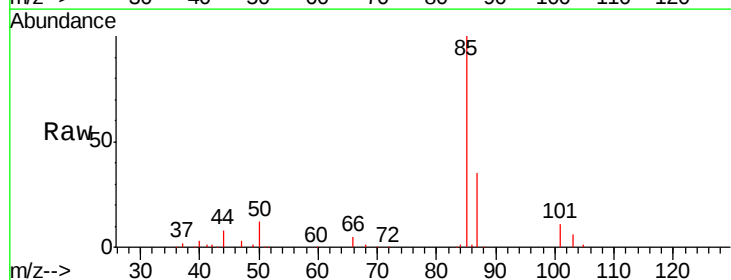
Acq: 21 Sep 2019 07:48

Tgt Ion: 85 Resp: 85346

Ion Ratio Lower Upper

85 100

87 34.7 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

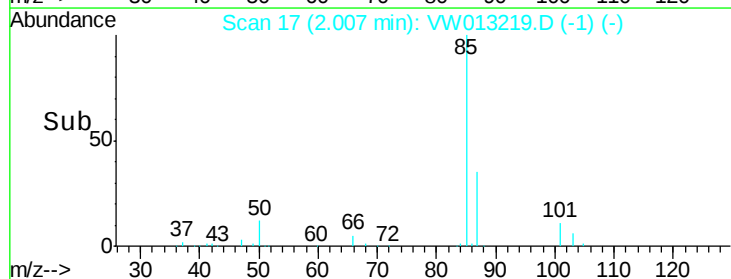
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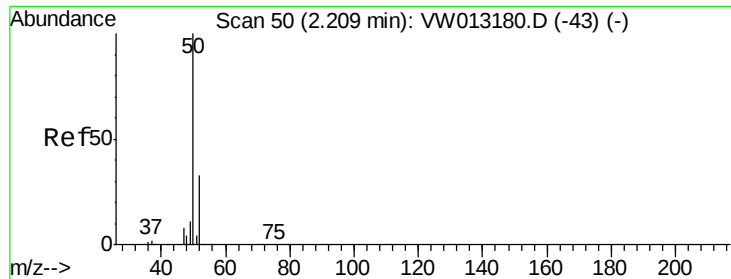
20000

10000

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Time-->





#3

Chloromethane

Concen: 43.350 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

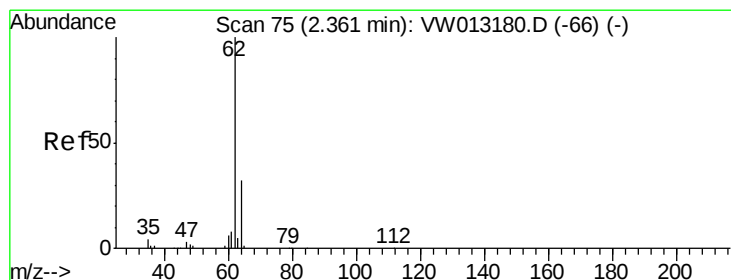
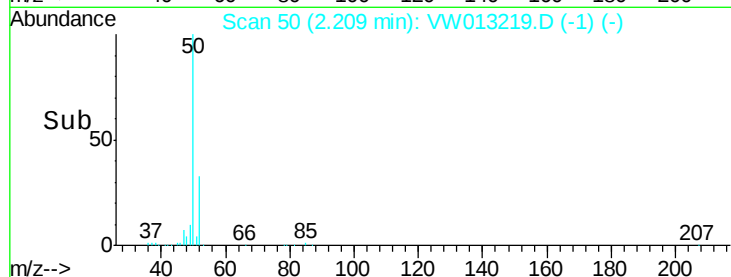
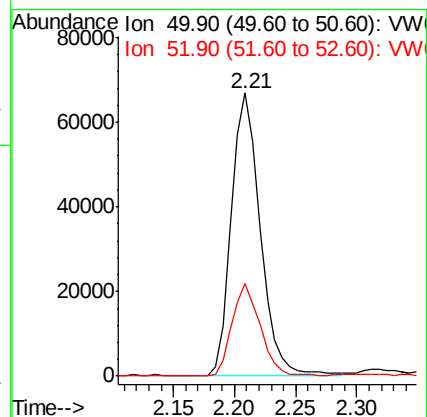
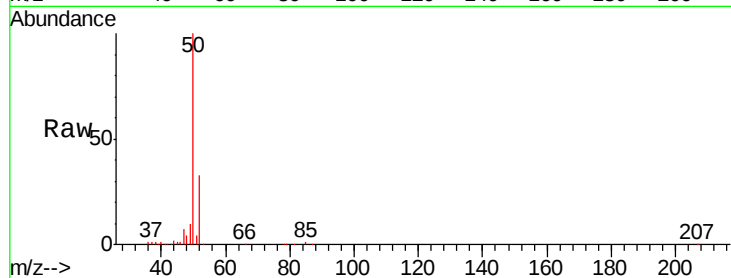
VSTDCCC050EC

Tgt Ion: 50 Resp: 109367

Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1



#4

Vinyl Chloride

Concen: 45.330 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013219.D

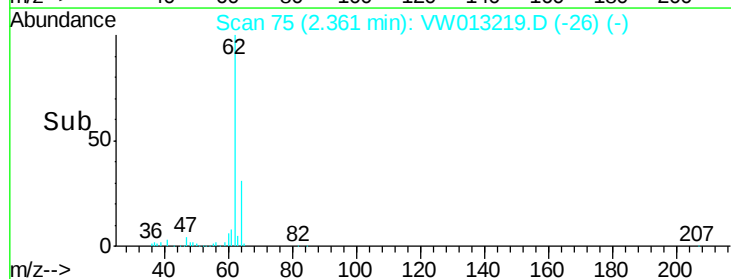
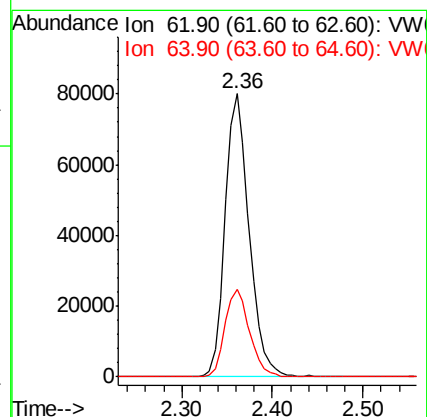
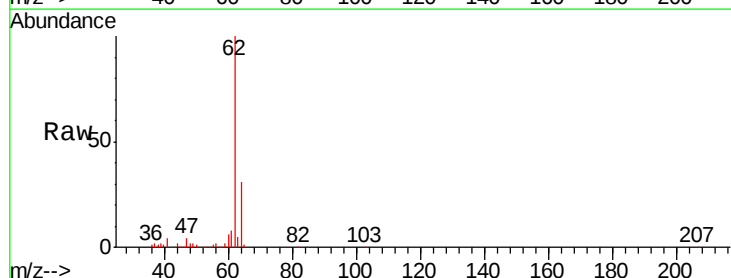
Acq: 21 Sep 2019 07:48

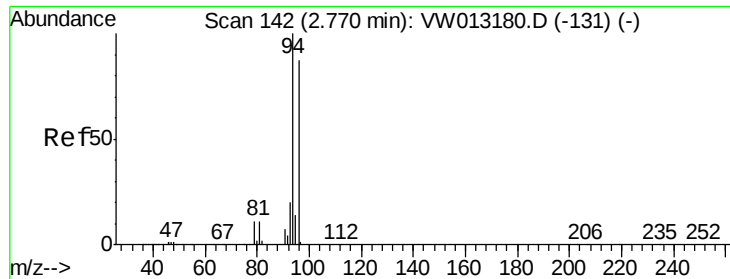
Tgt Ion: 62 Resp: 147436

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9





#5

Bromomethane

Concen: 44.212 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

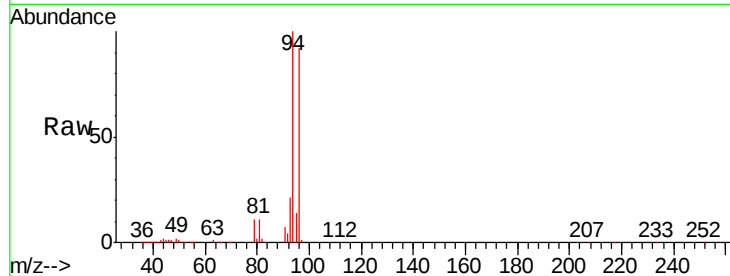
VSTDCCC050EC

Tgt Ion: 94 Resp: 91130

Ion Ratio Lower Upper

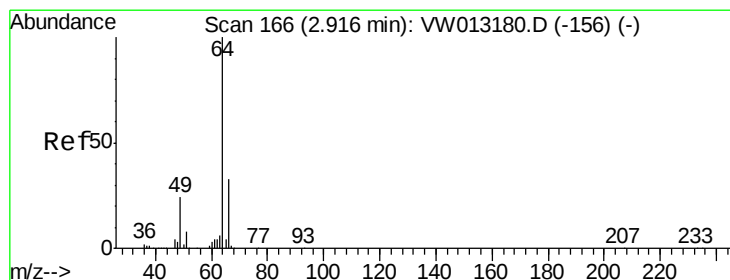
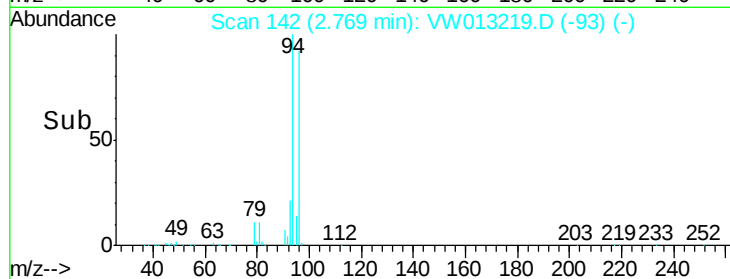
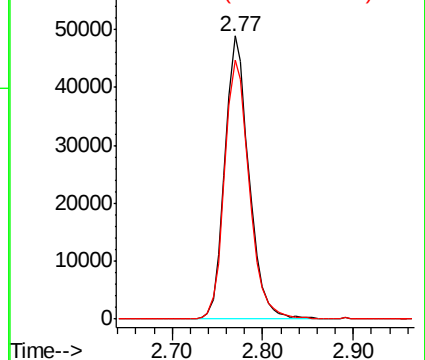
94 100

96 91.6 69.7 104.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 44.974 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013219.D

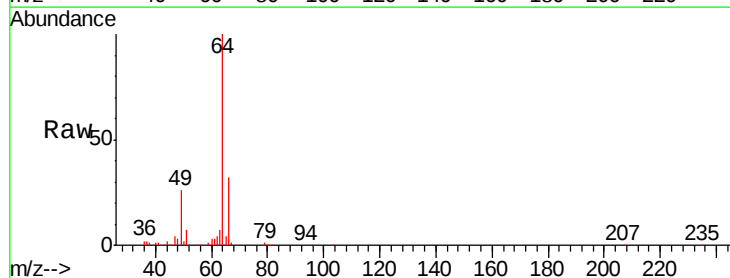
Acq: 21 Sep 2019 07:48

Tgt Ion: 64 Resp: 86224

Ion Ratio Lower Upper

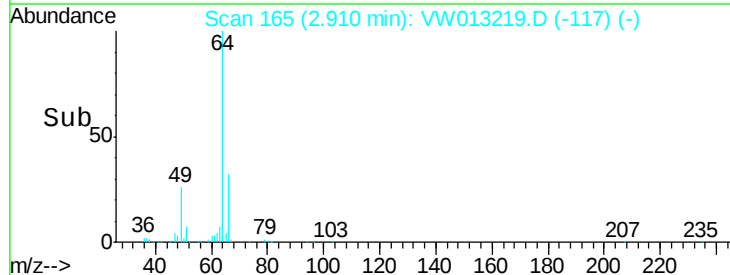
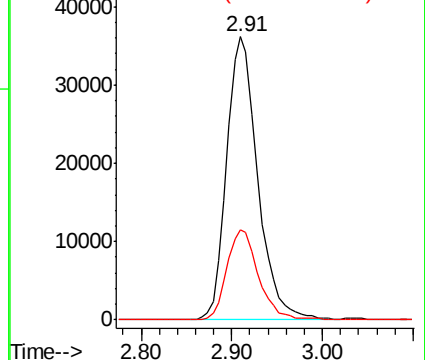
64 100

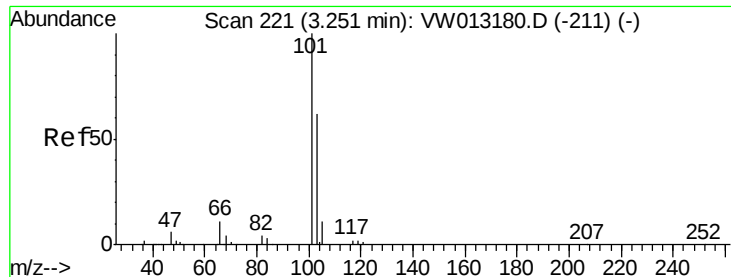
66 31.9 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



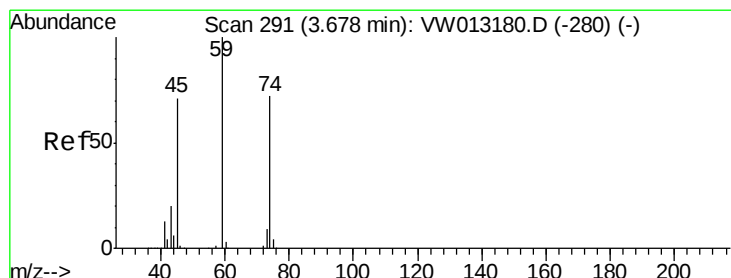
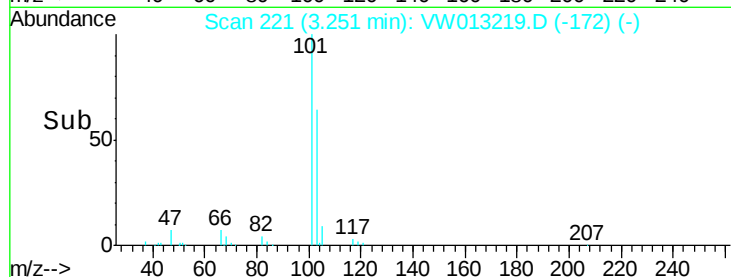
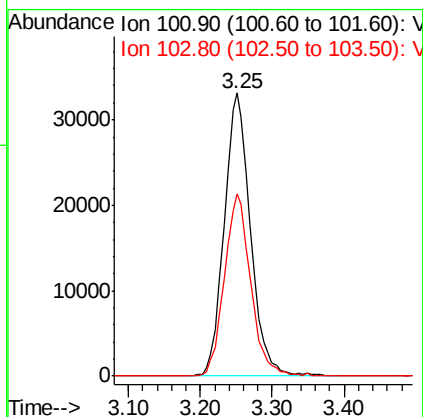
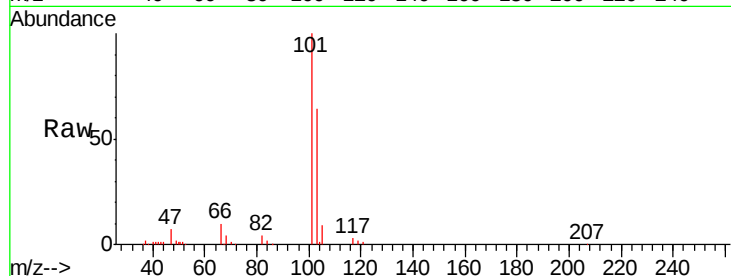


#7

Trichlorofluoromethane
 Concen: 44.693 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

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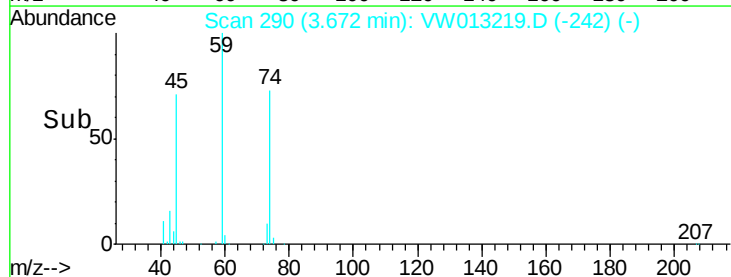
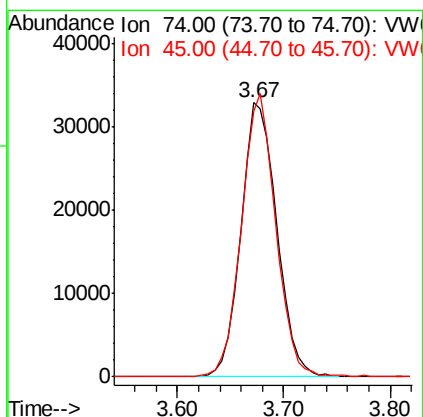
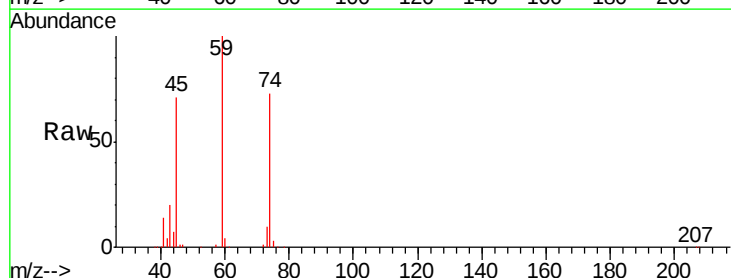
Tgt Ion: 101 Resp: 83821
 Ion Ratio Lower Upper
 101 100
 103 64.5 49.7 74.5

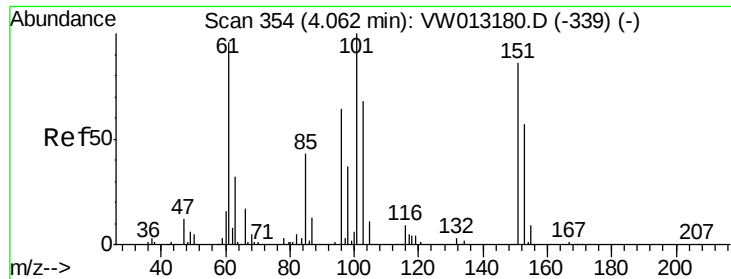


#8

Diethyl Ether
 Concen: 48.376 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion: 74 Resp: 77497
 Ion Ratio Lower Upper
 74 100
 45 99.2 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.094 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

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VSTDCCC050EC

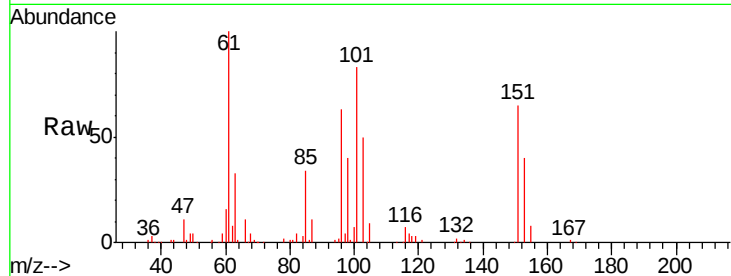
Tgt Ion:101 Resp: 140743

Ion Ratio Lower Upper

101 100

85 41.5 33.4 50.0

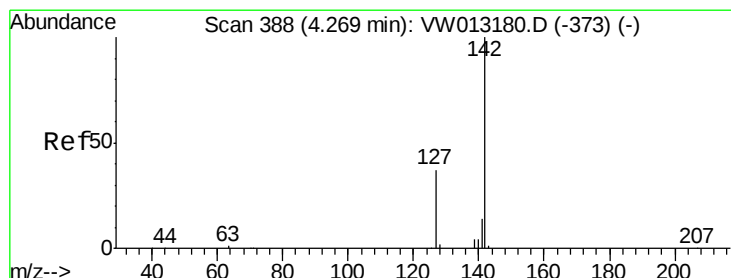
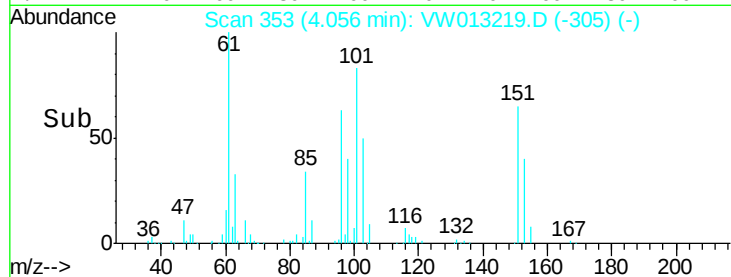
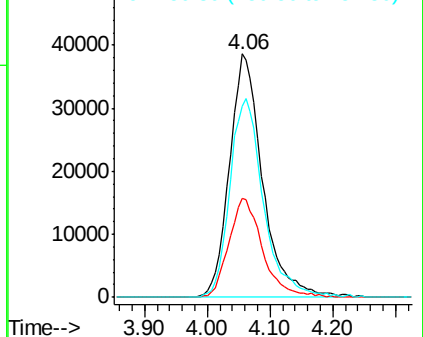
151 83.2 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.621 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

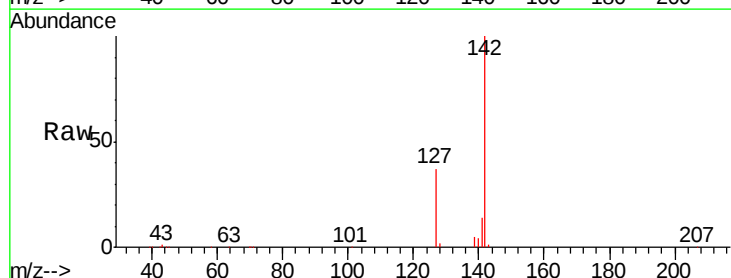
Tgt Ion:142 Resp: 220706

Ion Ratio Lower Upper

142 100

127 38.7 30.9 46.3

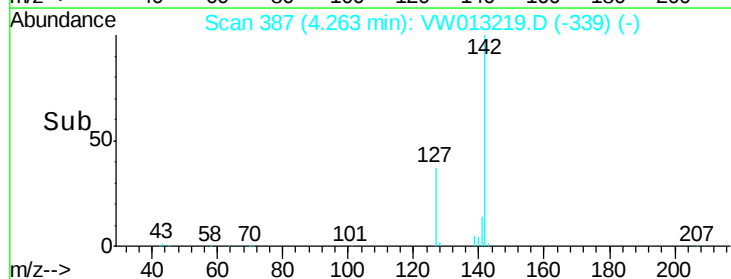
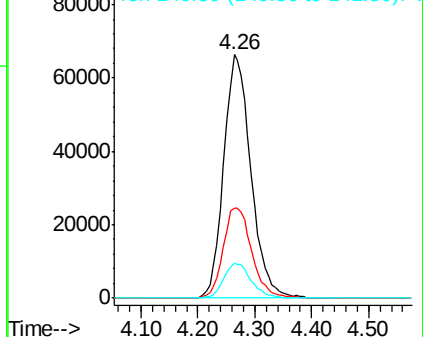
141 14.4 11.7 17.5

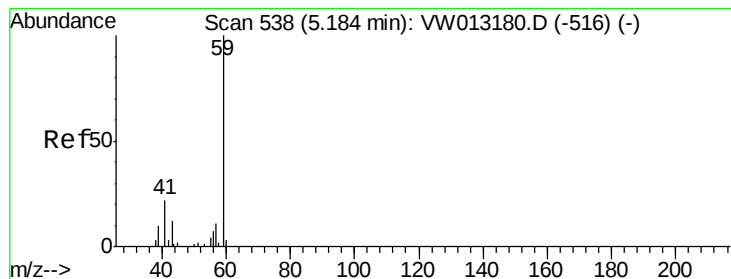


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



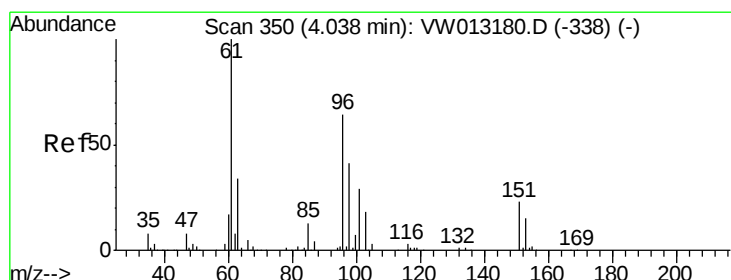
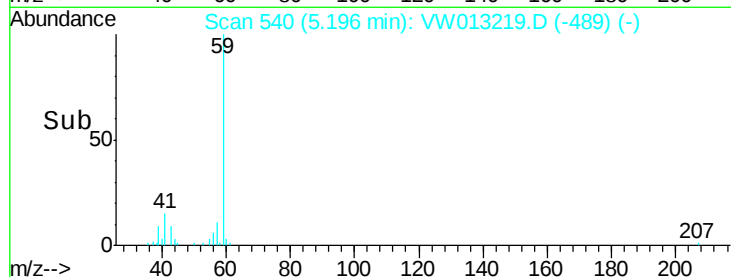
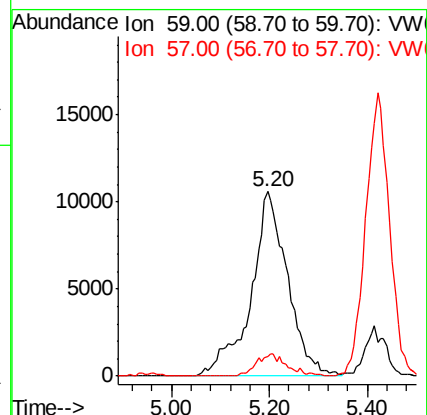
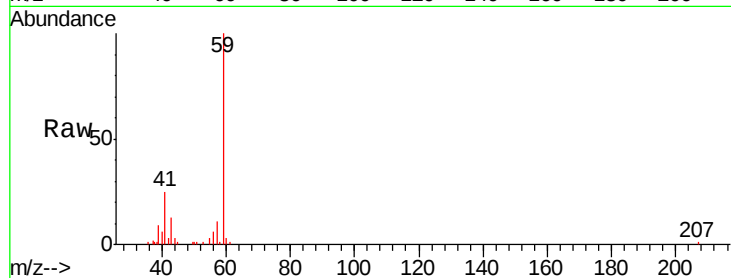


#11

Tert butyl alcohol
Concen: 276.846 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.01 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

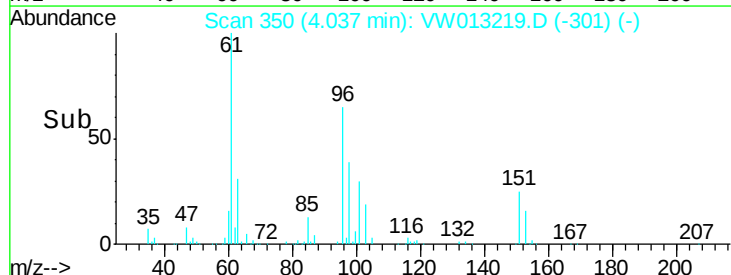
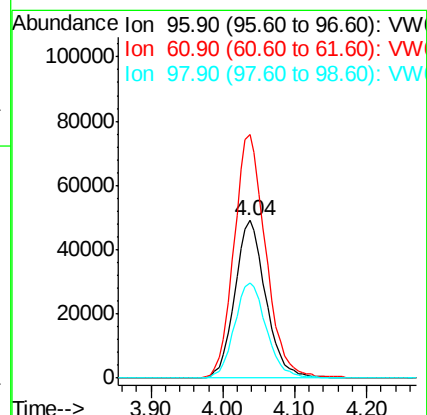
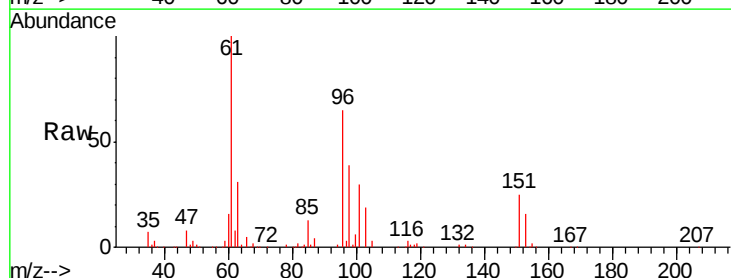
Tgt Ion: 59 Resp: 55123
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.2

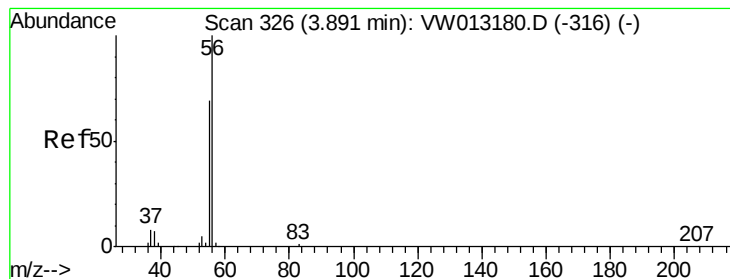


#12

1,1-Dichloroethene
Concen: 46.287 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 96 Resp: 146356
Ion Ratio Lower Upper
96 100
61 154.8 125.1 187.7
98 60.7 50.8 76.2





#13

Acrolein

Concen: 242.527 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

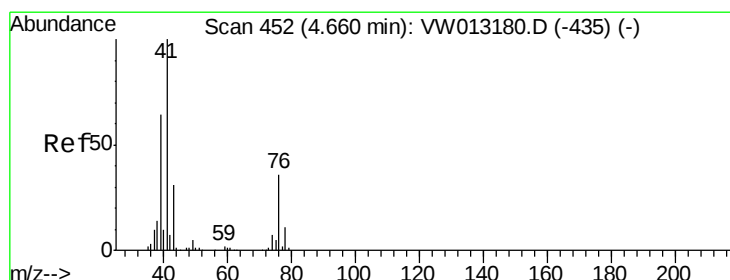
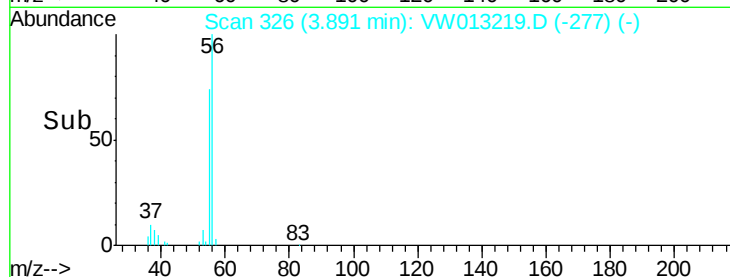
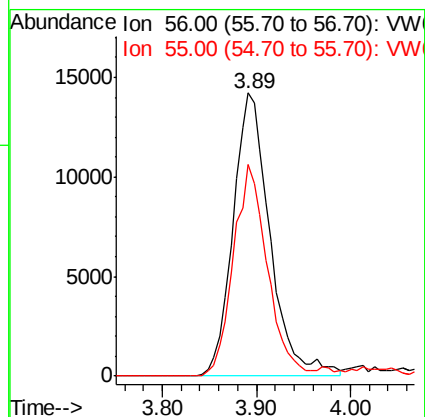
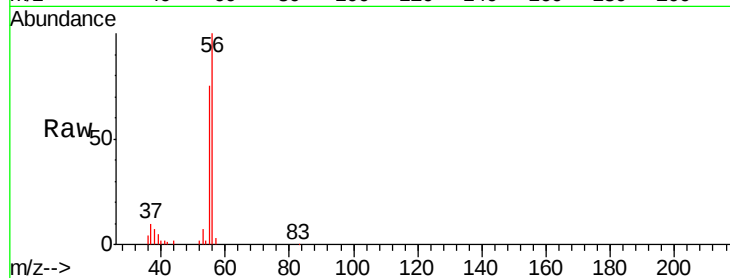
VSTDCCC050EC

Tgt Ion: 56 Resp: 38768

Ion Ratio Lower Upper

56 100

55 68.8 55.4 83.0



#14

Allyl chloride

Concen: 46.482 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

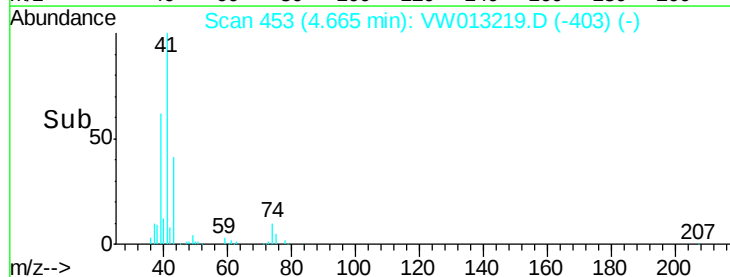
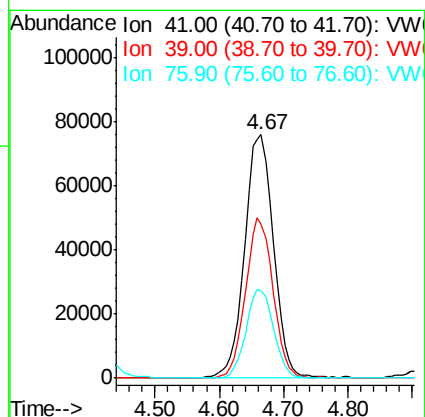
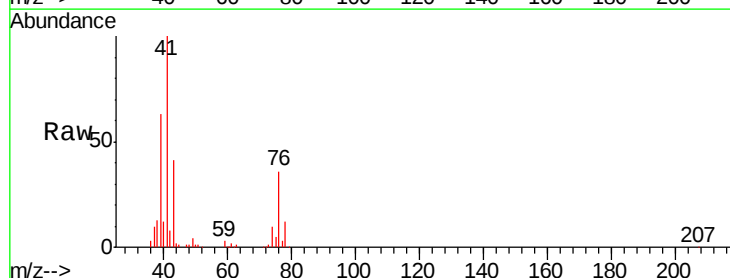
Tgt Ion: 41 Resp: 233905

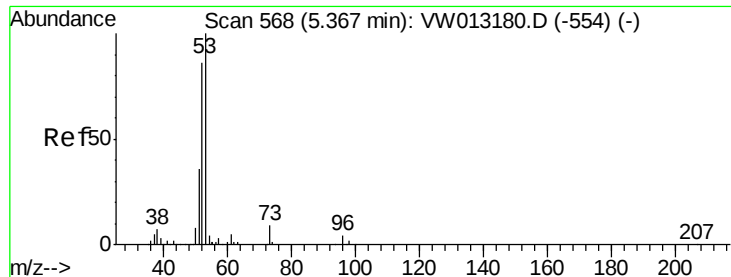
Ion Ratio Lower Upper

41 100

39 62.3 51.0 76.4

76 34.7 28.4 42.6





#15

Acrylonitrile

Concen: 257.437 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

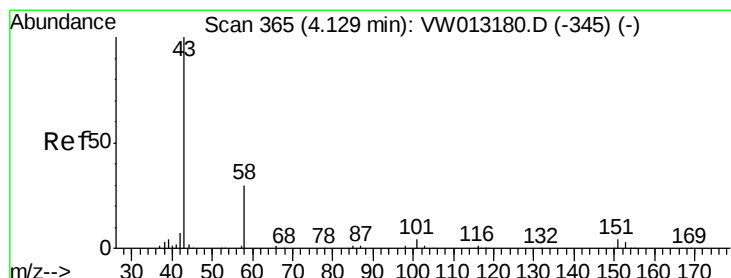
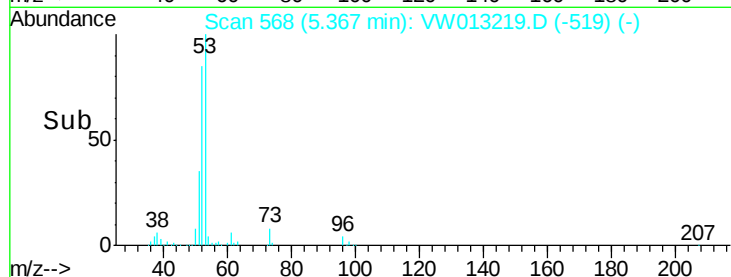
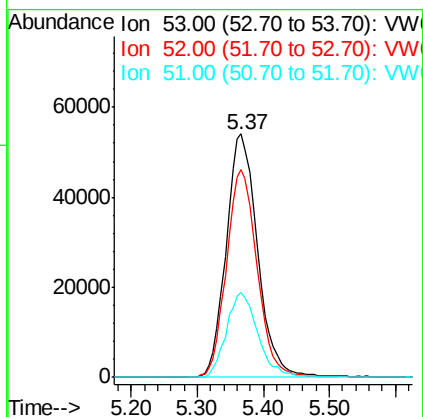
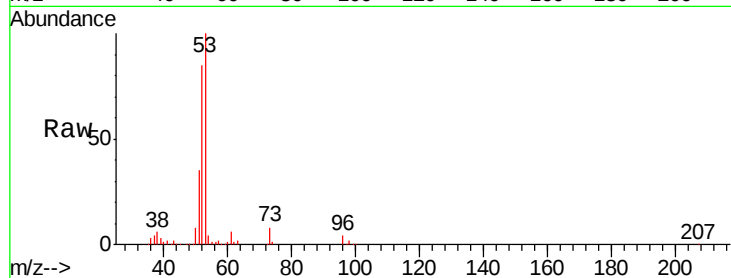
Tgt Ion: 53 Resp: 178002

Ion Ratio Lower Upper

53 100

52 83.2 65.3 97.9

51 35.1 29.0 43.4



#16

Acetone

Concen: 204.945 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013219.D

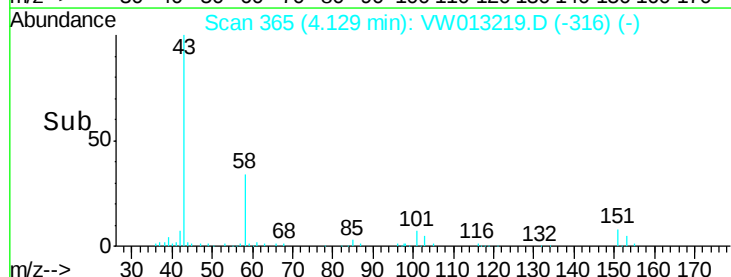
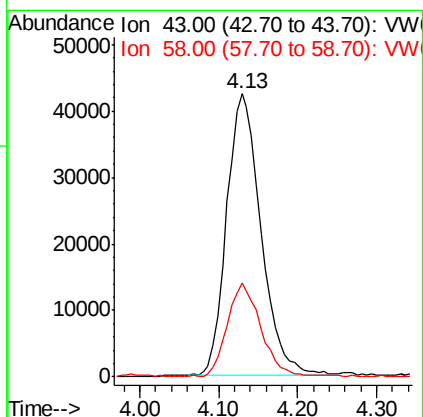
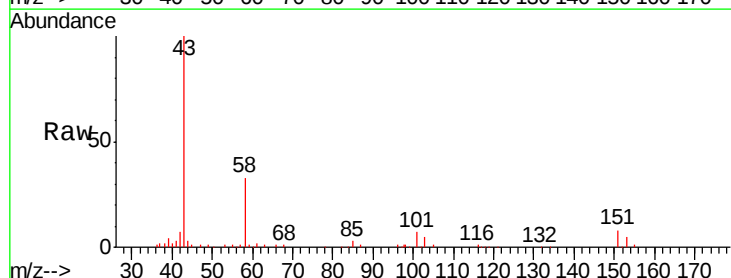
Acq: 21 Sep 2019 07:48

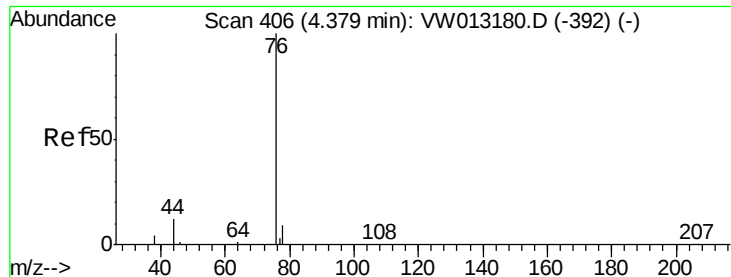
Tgt Ion: 43 Resp: 128339

Ion Ratio Lower Upper

43 100

58 33.2 24.1 36.1

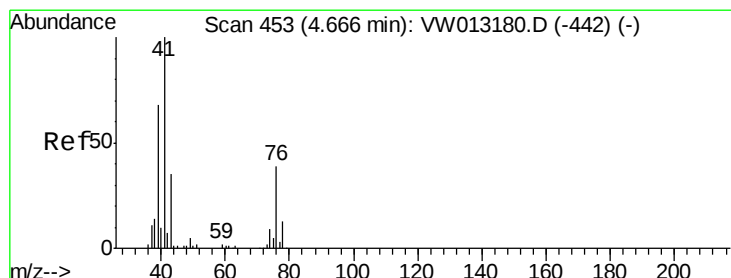
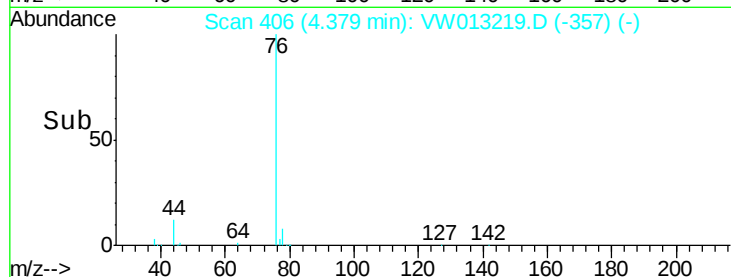
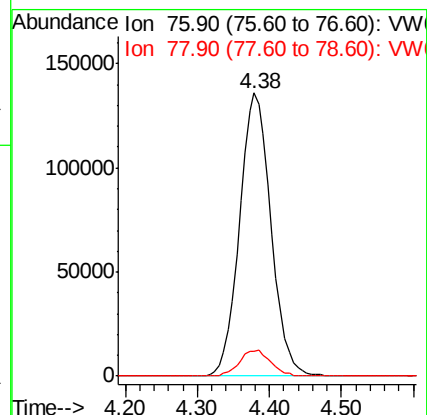
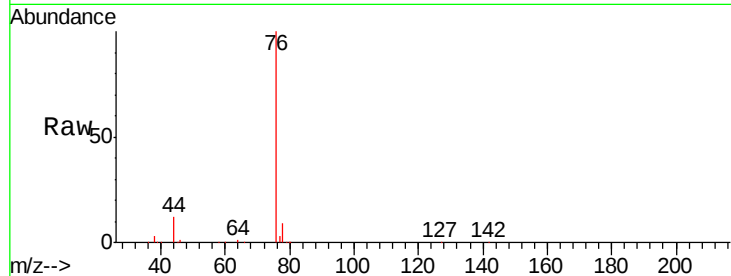




#17
Carbon Disulfide
Concen: 45.026 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

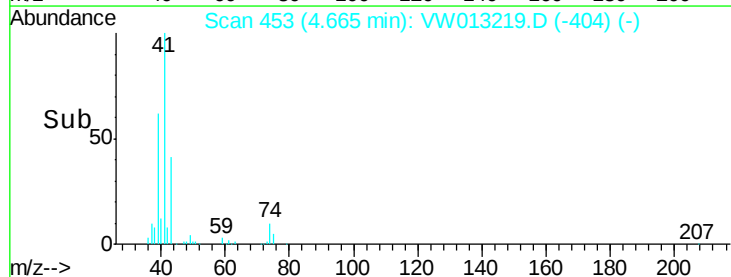
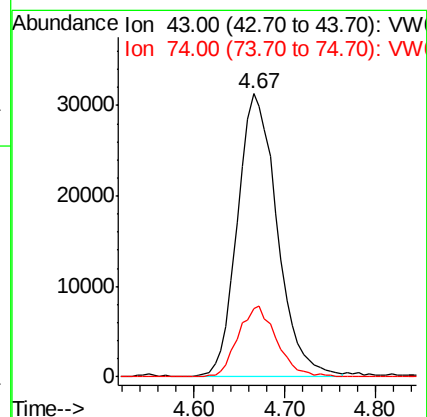
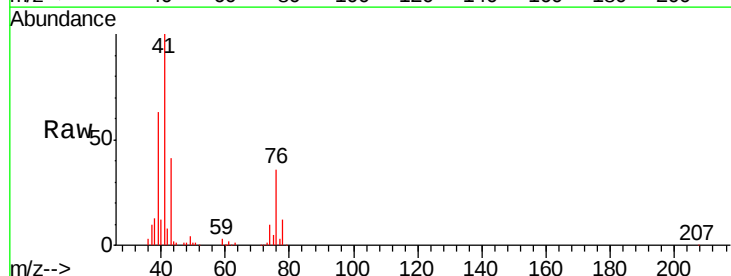
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

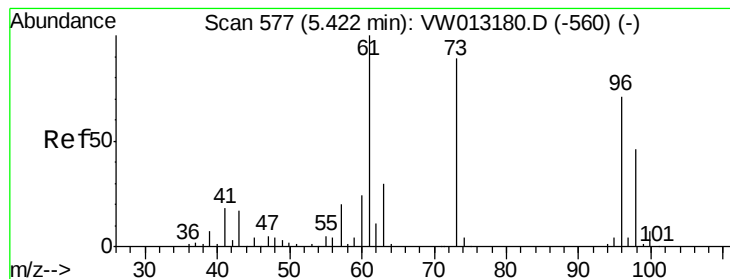
Tgt Ion: 76 Resp: 411492
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



#18
Methyl Acetate
Concen: 54.297 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 43 Resp: 95578
Ion Ratio Lower Upper
43 100
74 24.3 19.3 28.9





#19

Methyl tert-butyl Ether

Concen: 49.765 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

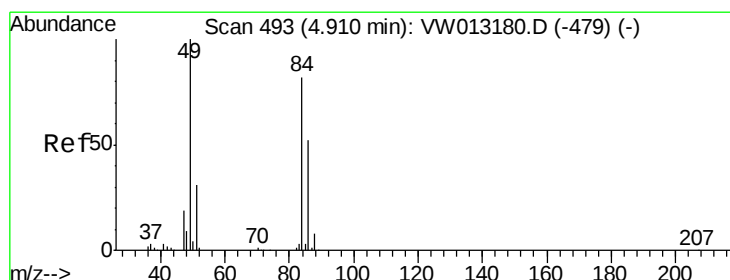
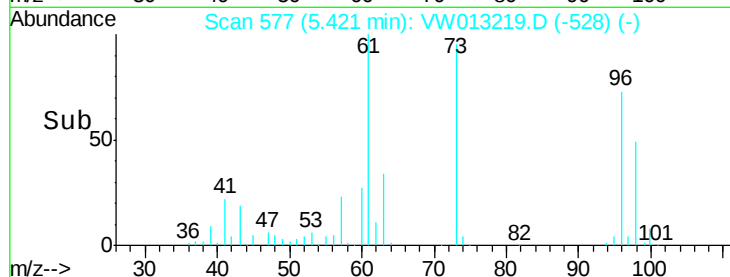
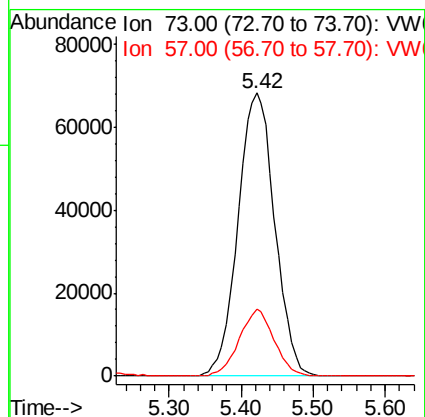
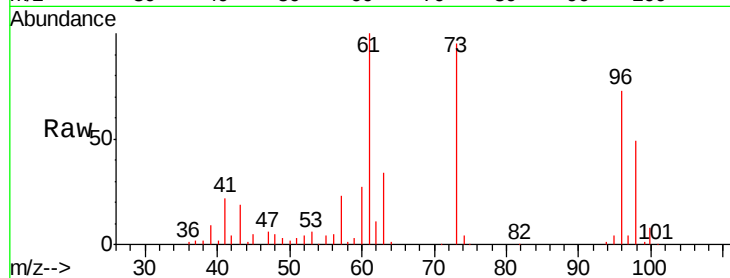
VSTDCCC050EC

Tgt Ion: 73 Resp: 241158

Ion Ratio Lower Upper

73 100

57 23.8 17.6 26.4



#20

Methylene Chloride

Concen: 47.445 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion: 84 Resp: 152424

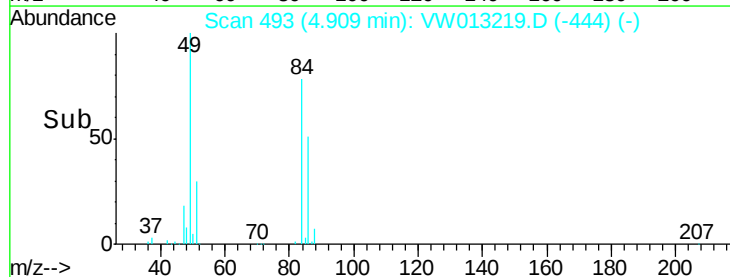
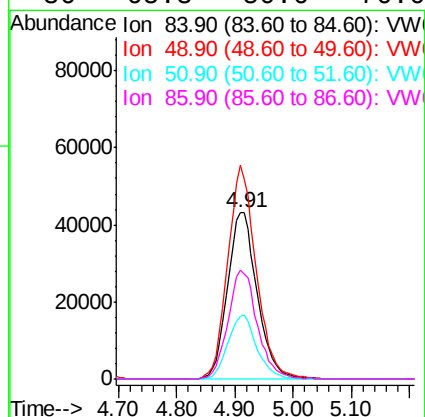
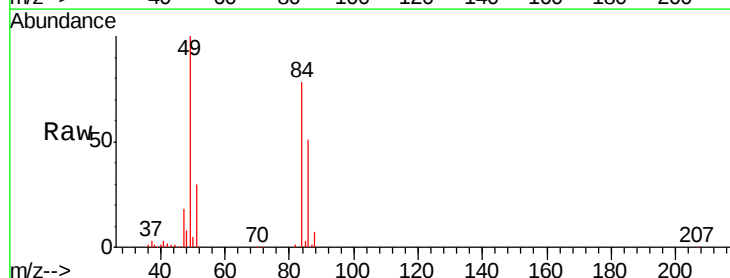
Ion Ratio Lower Upper

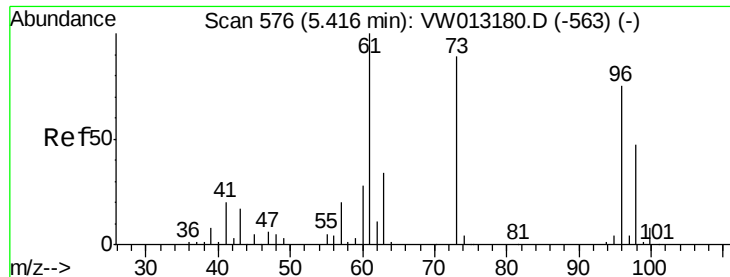
84 100

49 128.7 97.6 146.4

51 38.2 30.2 45.2

86 65.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 46.936 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

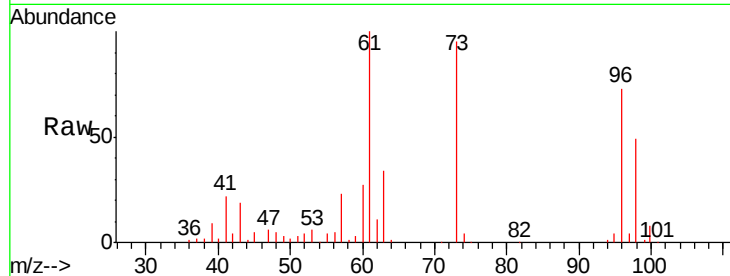
Tgt Ion: 96 Resp: 160401

Ion Ratio Lower Upper

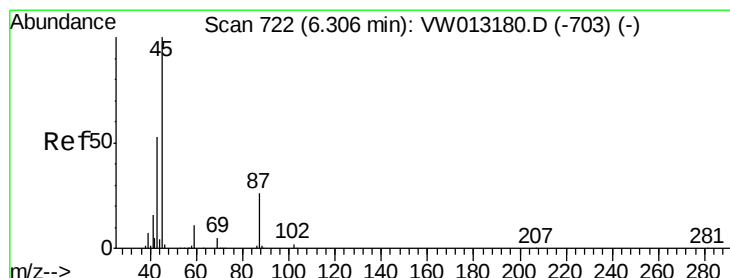
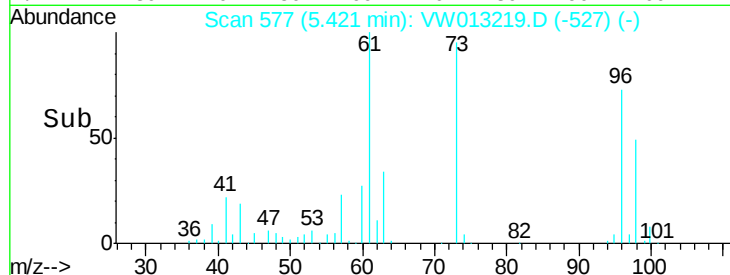
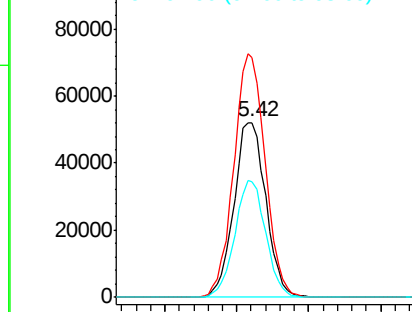
96 100

61 136.9 106.6 159.8

98 66.4 49.8 74.8



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: 48.425 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion: 45 Resp: 463388

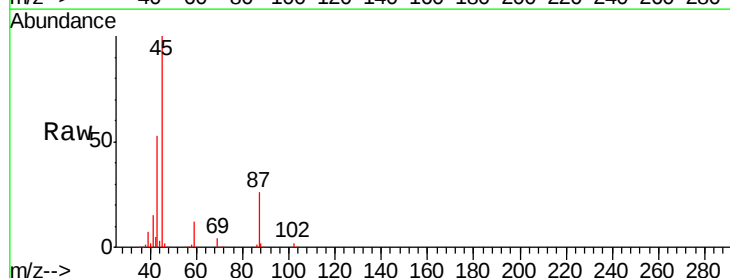
Ion Ratio Lower Upper

45 100

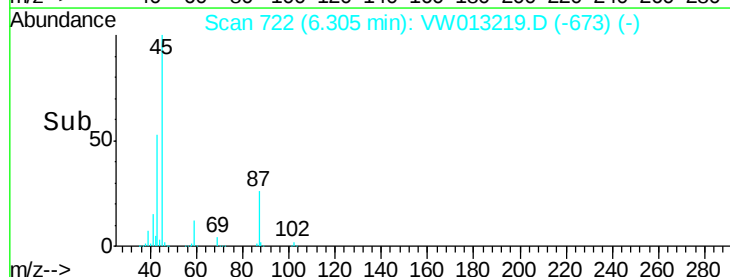
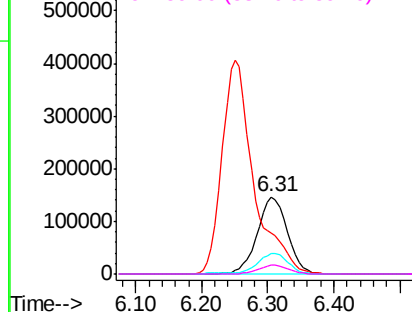
43 53.0 42.4 63.6

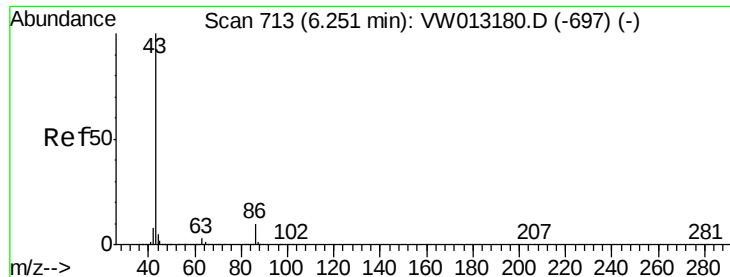
87 26.3 20.4 30.6

59 11.7 8.8 13.2



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

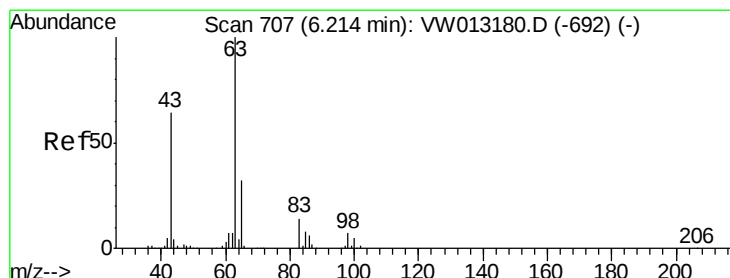
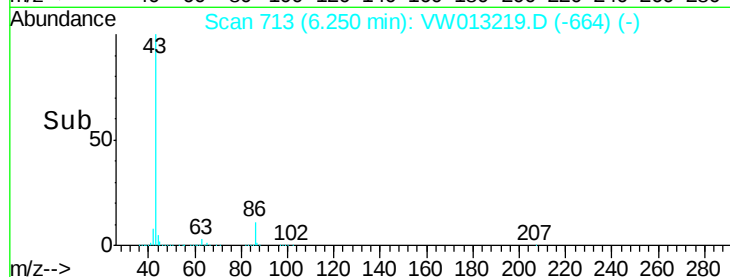
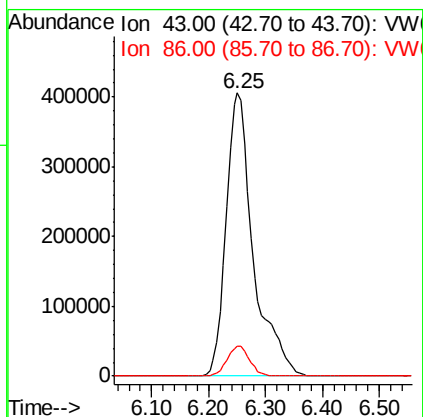
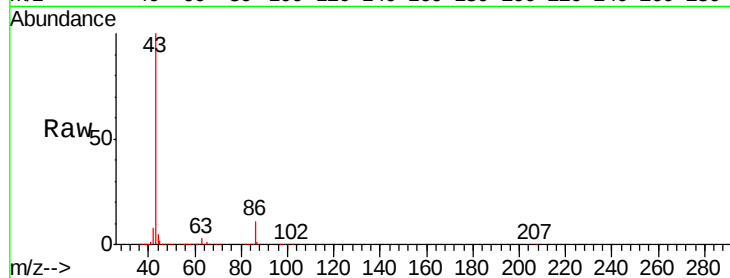




#23
 Vinyl Acetate
 Concen: 237.465 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

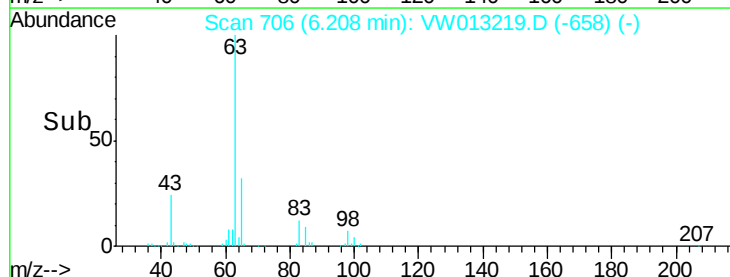
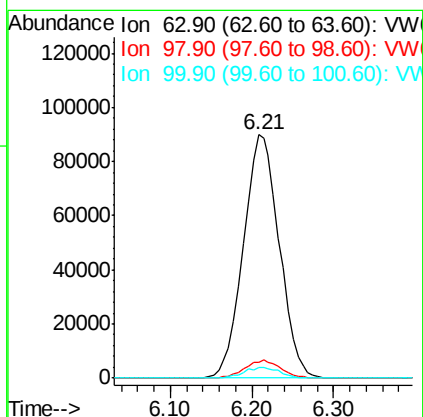
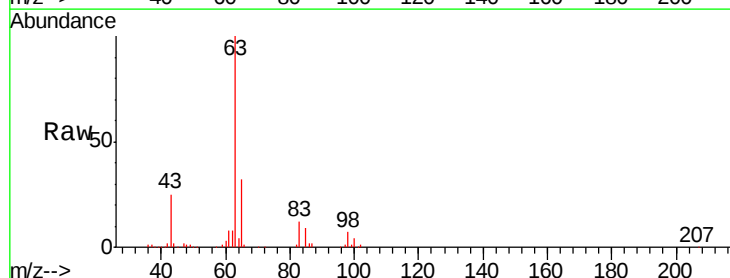
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

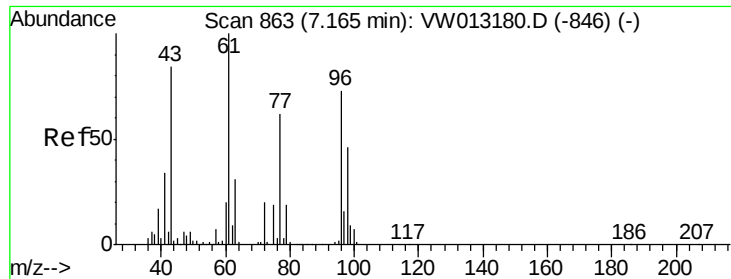
Tgt Ion: 43 Resp: 1348067
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 47.454 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion: 63 Resp: 274013
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.5
 100 4.3 2.4 7.1





#25

2-Butanone

Concen: 239.792 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

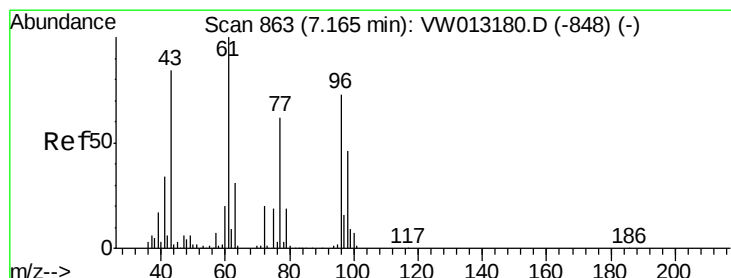
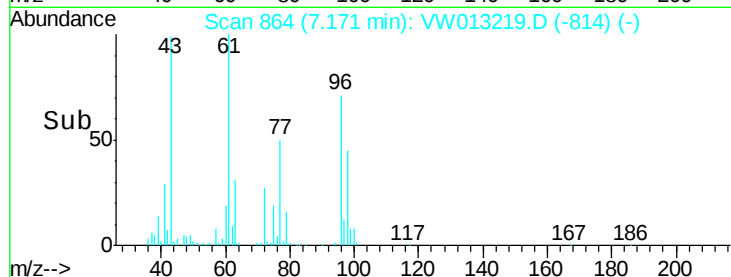
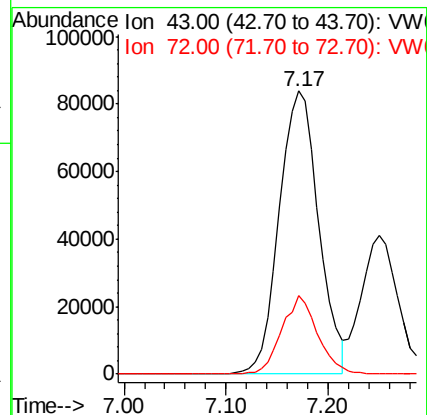
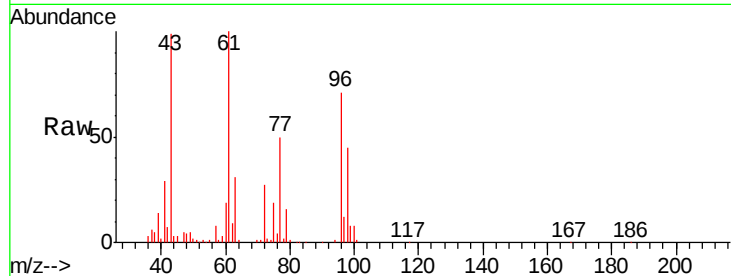
VSTDCCC050EC

Tgt Ion: 43 Resp: 225415

Ion Ratio Lower Upper

43 100

72 27.8 19.4 29.0



#26

2,2-Dichloropropane

Concen: 39.871 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013219.D

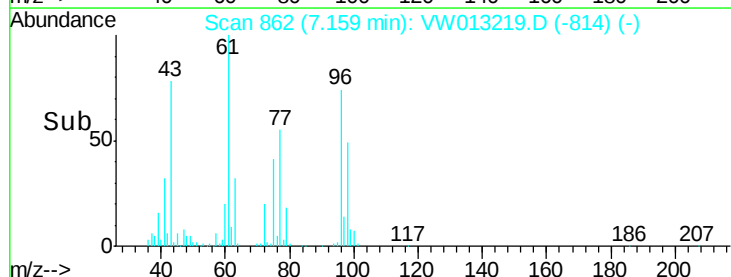
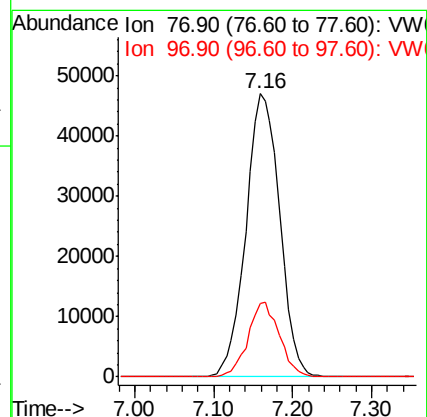
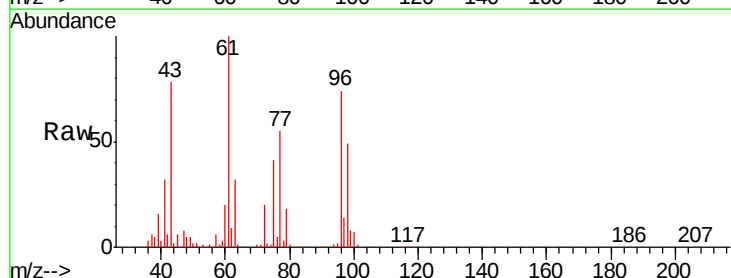
Acq: 21 Sep 2019 07:48

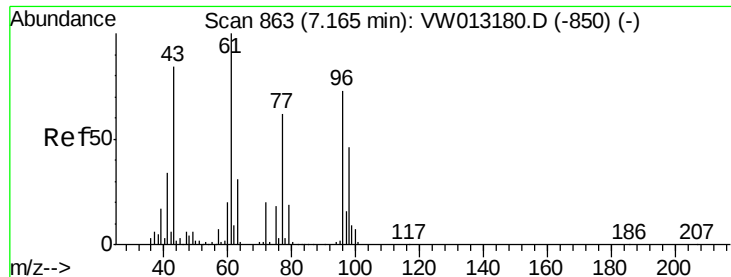
Tgt Ion: 77 Resp: 140082

Ion Ratio Lower Upper

77 100

97 24.4 11.8 35.4



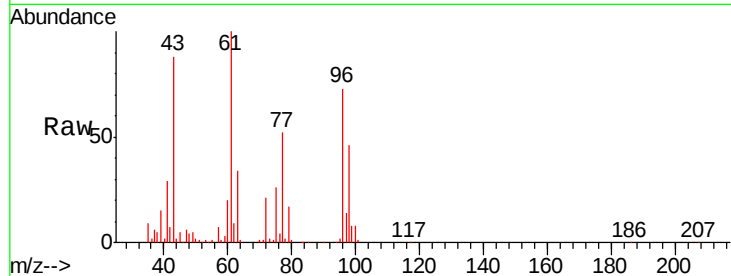


#27

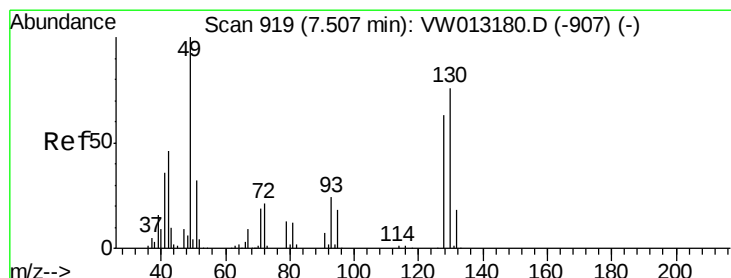
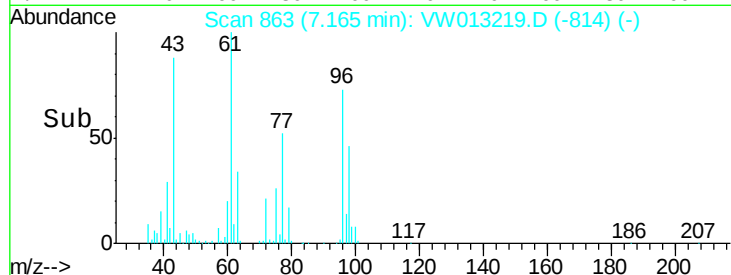
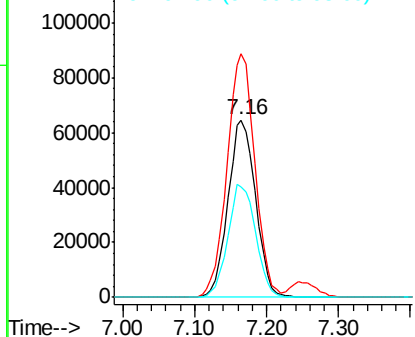
cis-1,2-Dichloroethene
Concen: 47.767 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 172274
Ion Ratio Lower Upper
96 100
61 138.2 0.0 282.4
98 64.1 0.0 128.2



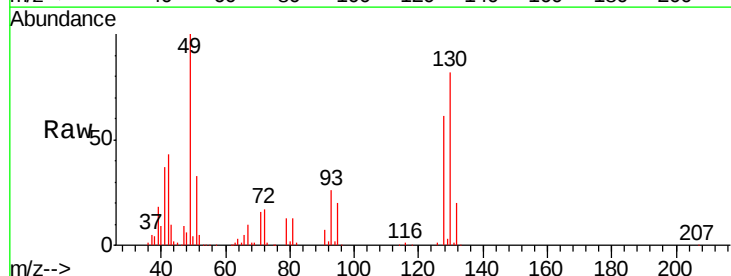
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



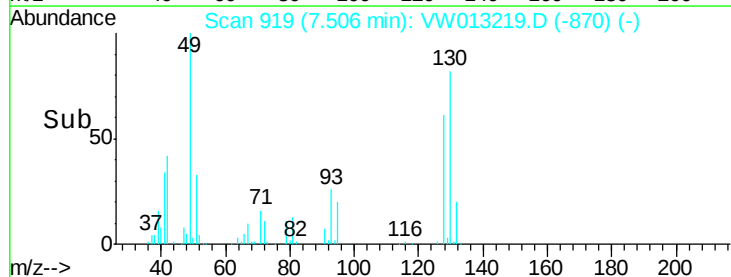
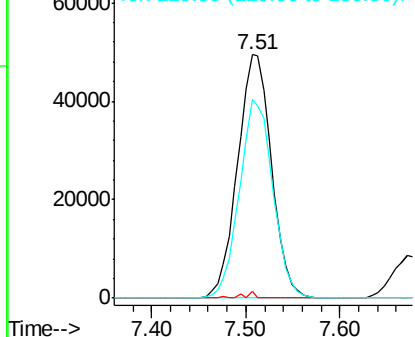
#28

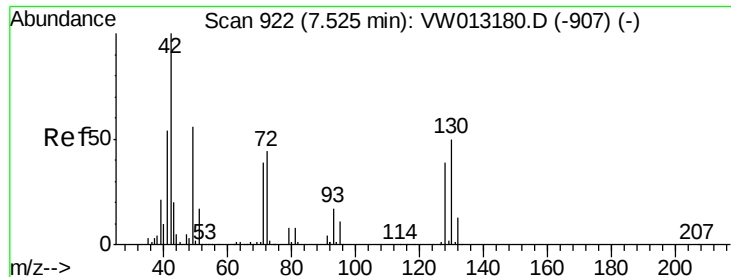
Bromochloromethane
Concen: 56.299 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 49 Resp: 124768
Ion Ratio Lower Upper
49 100
129 0.7 0.0 1.0
130 80.4 63.4 95.2



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

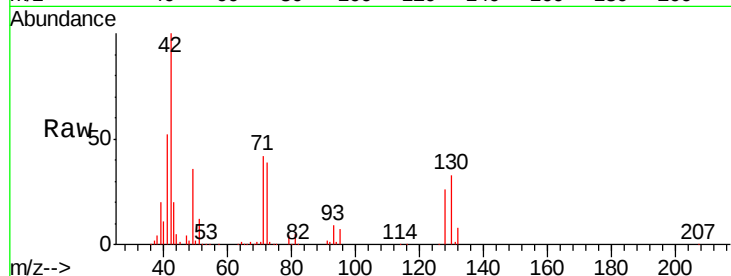




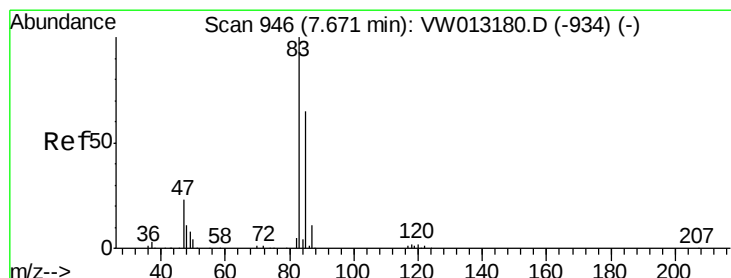
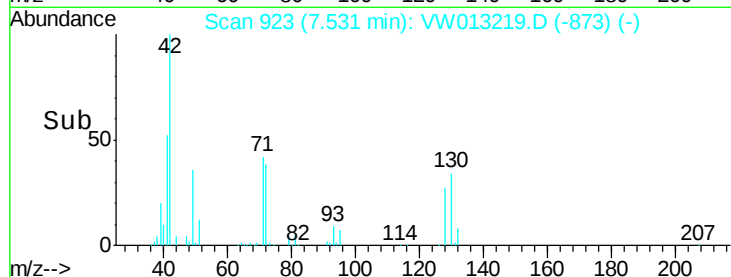
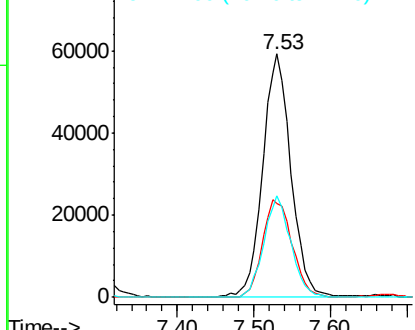
#29
Tetrahydrofuran
Concen: 264.346 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 152395
Ion Ratio Lower Upper
42 100
72 42.2 33.9 50.9
71 40.0 31.9 47.9

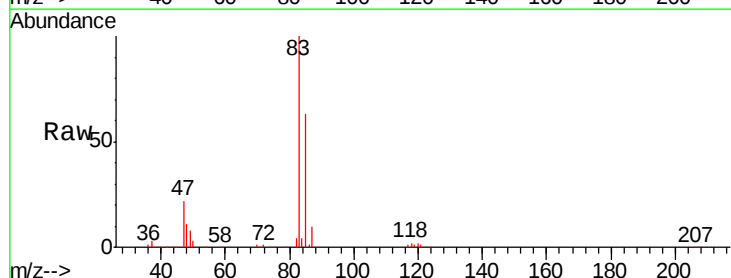


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

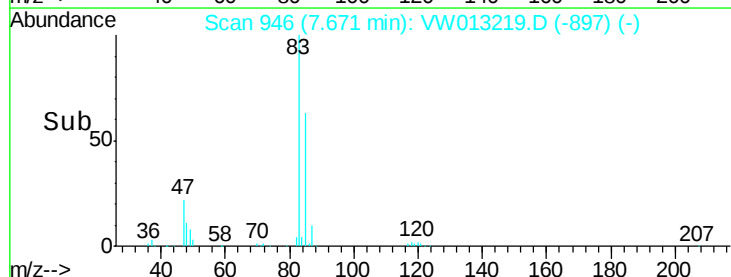
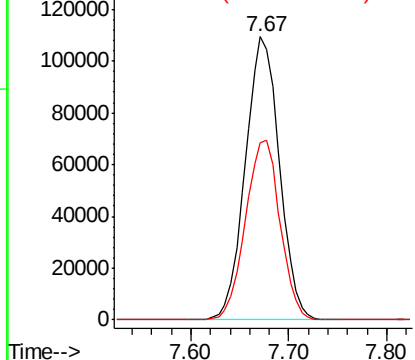


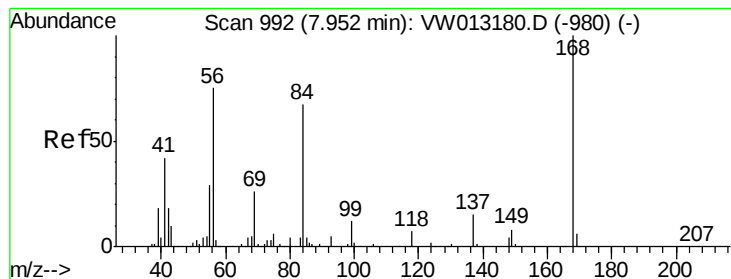
#30
Chloroform
Concen: 46.742 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 83 Resp: 264247
Ion Ratio Lower Upper
83 100
85 62.7 52.3 78.5



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





#31

Cyclohexane

Concen: 45.434 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

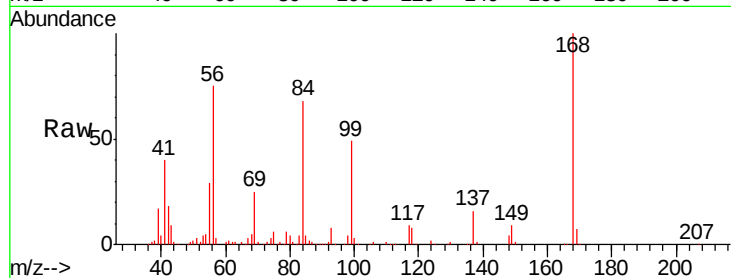
Tgt Ion: 56 Resp: 273472

Ion Ratio Lower Upper

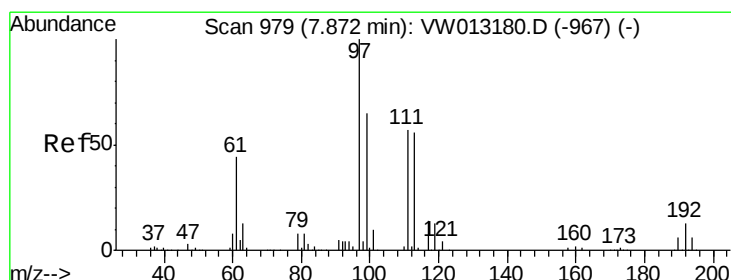
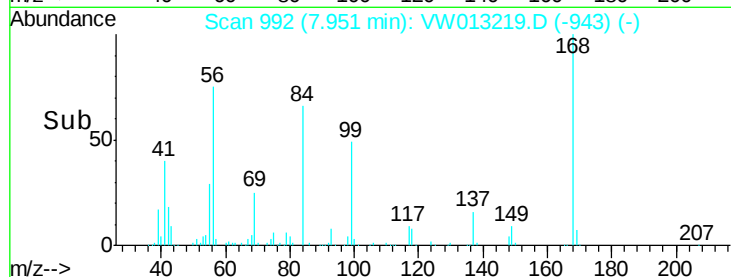
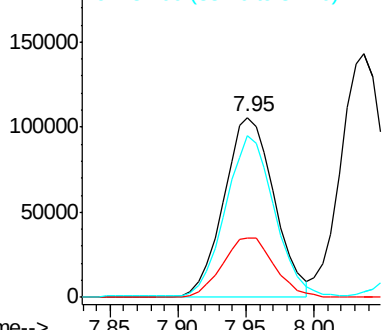
56 100

69 33.1 27.2 40.8

84 89.2 70.8 106.2



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: 46.768 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

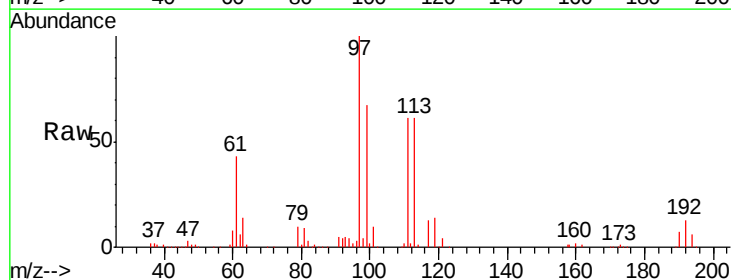
Tgt Ion: 97 Resp: 214137

Ion Ratio Lower Upper

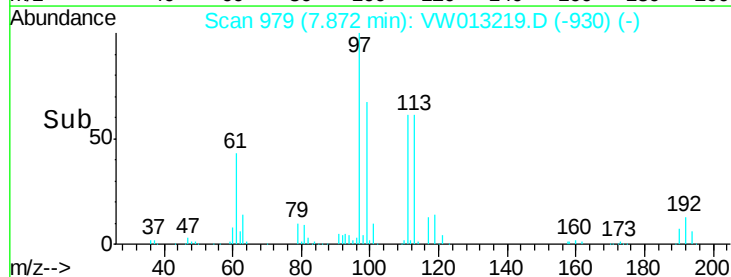
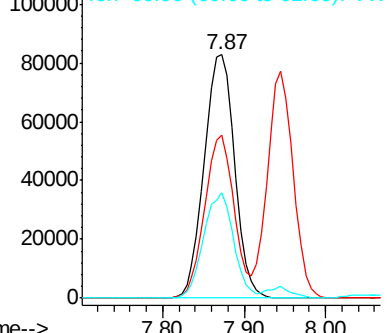
97 100

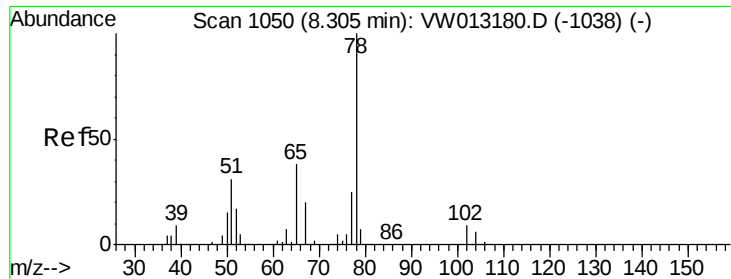
99 64.9 51.7 77.5

61 42.6 34.6 51.8



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: 52.637 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

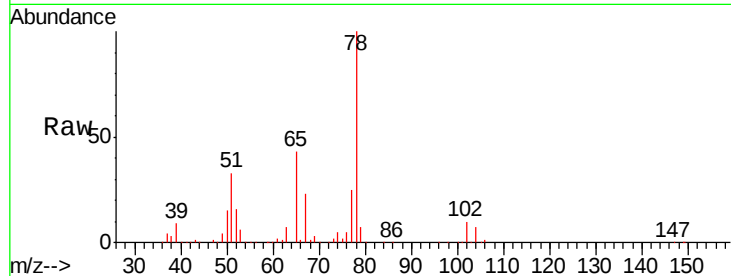
VSTDCCC050EC

Tgt Ion: 65 Resp: 146165

Ion Ratio Lower Upper

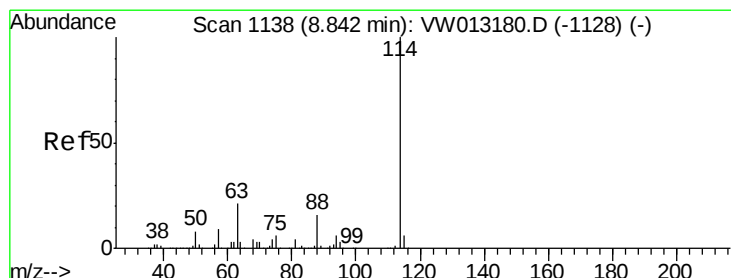
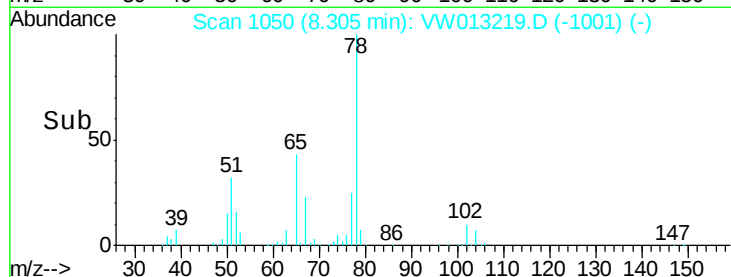
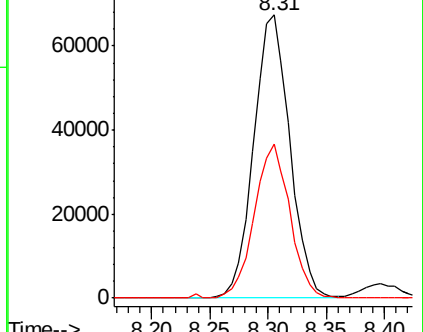
65 100

67 53.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

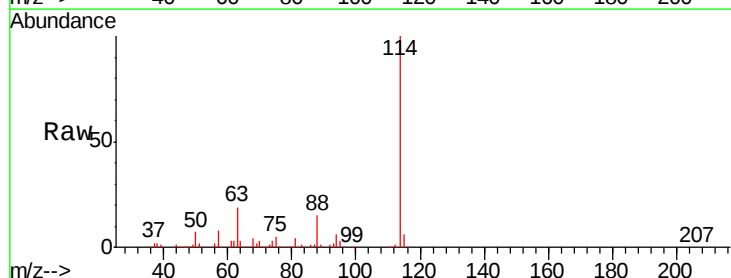
Tgt Ion: 114 Resp: 500131

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

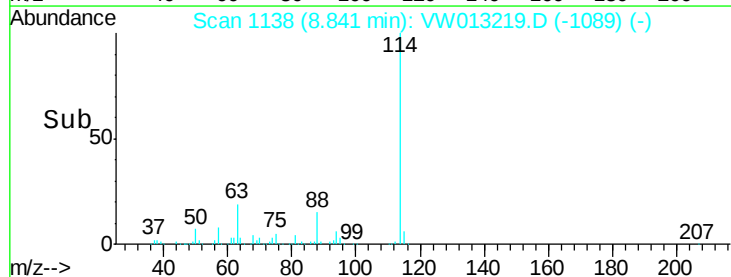
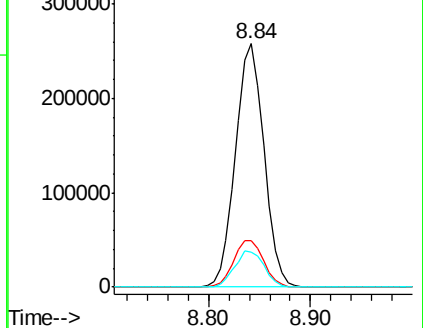
88 14.6 0.0 32.0

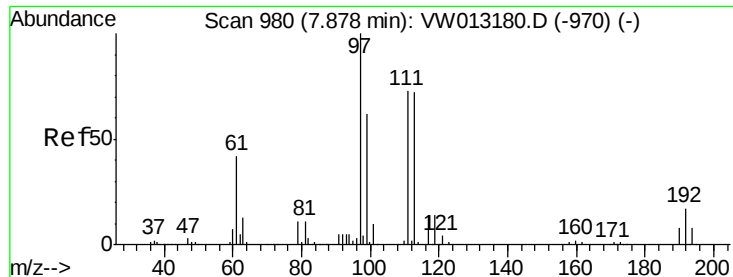


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

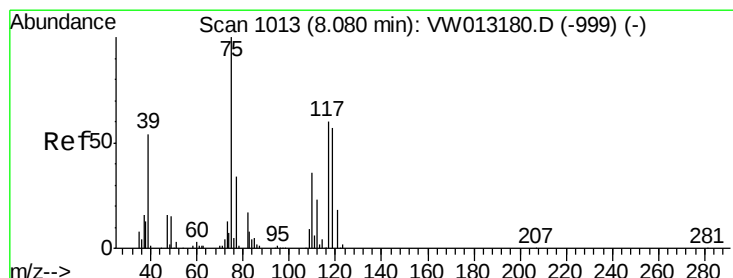
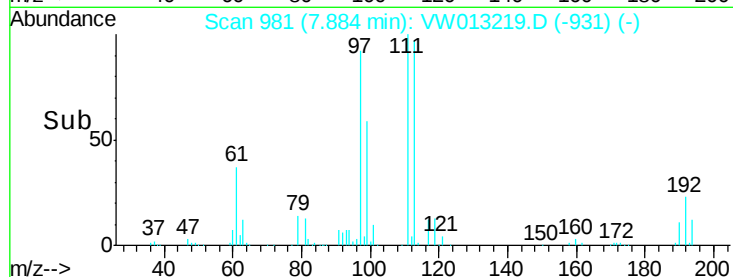
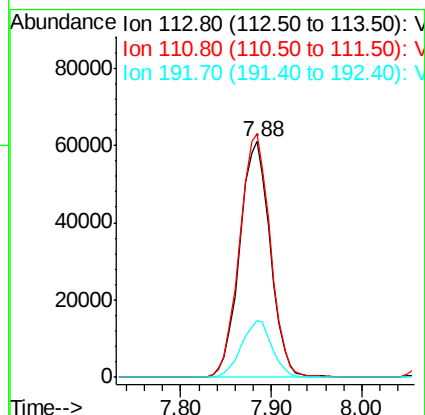
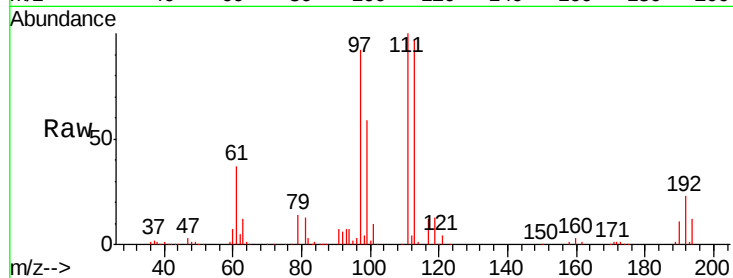




#35
 Dibromofluoromethane
 Concen: 51.838 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

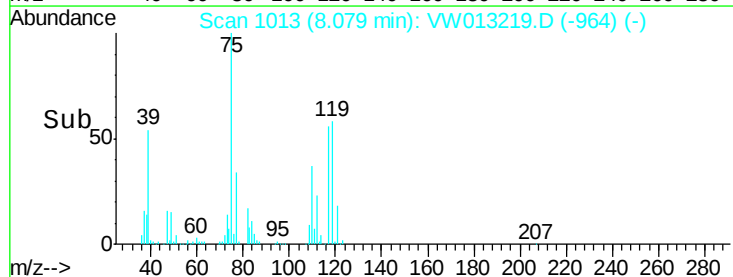
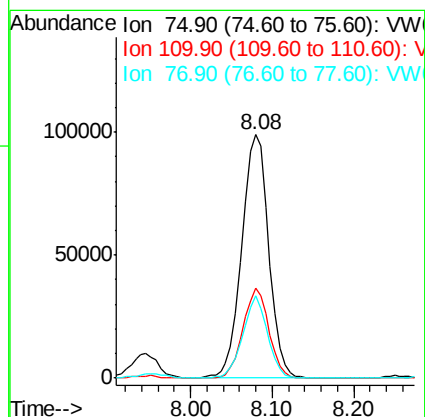
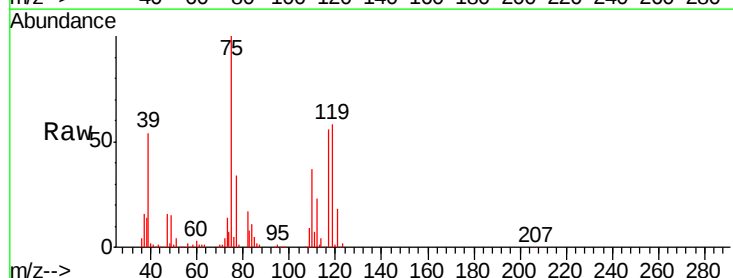
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

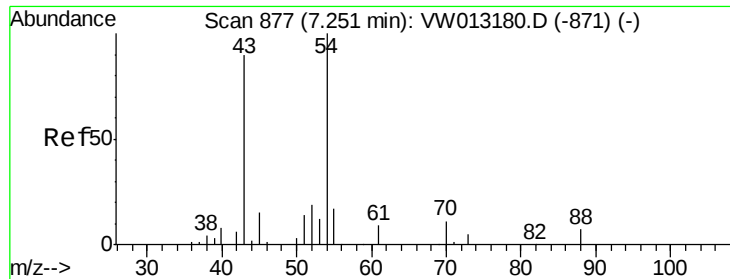
Tgt Ion: 113 Resp: 142592
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.9 122.9
 192 23.9 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 46.593 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion: 75 Resp: 225701
 Ion Ratio Lower Upper
 75 100
 110 35.3 18.1 54.3
 77 31.1 25.8 38.6

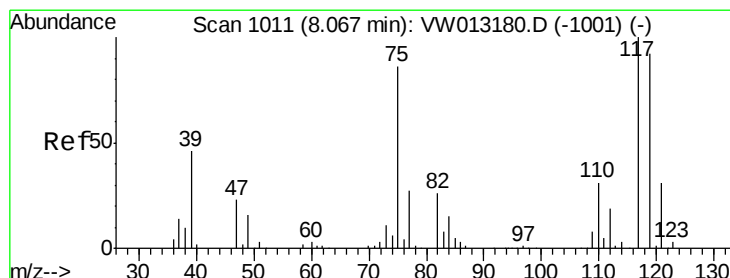
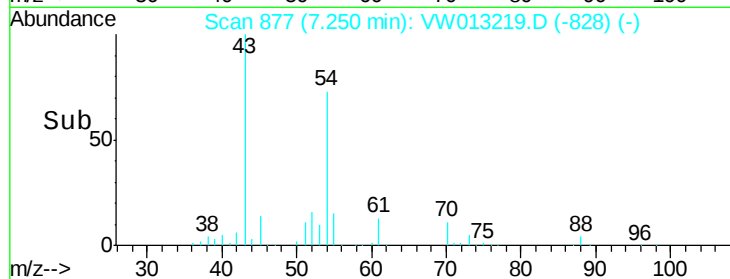
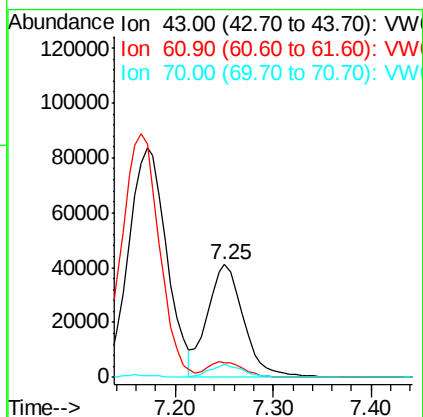
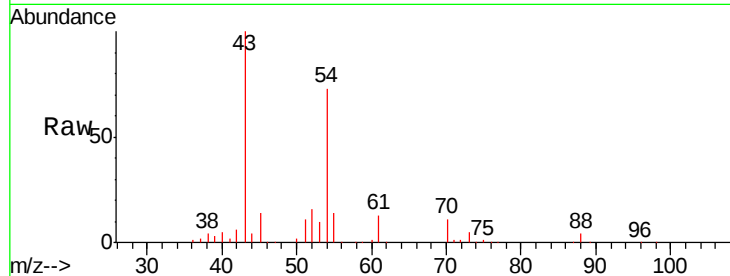




#37
Ethyl Acetate
Concen: 50.907 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

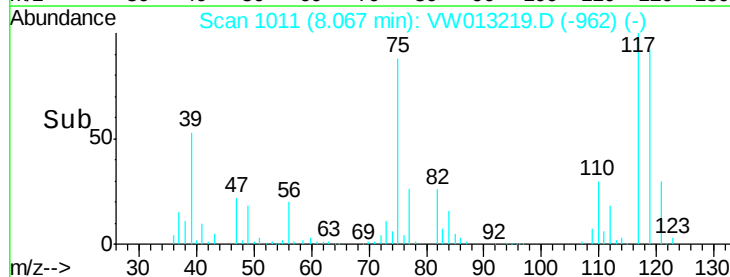
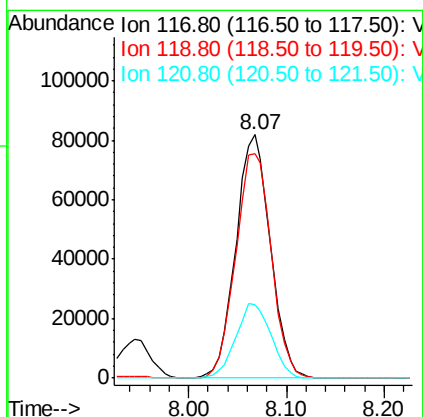
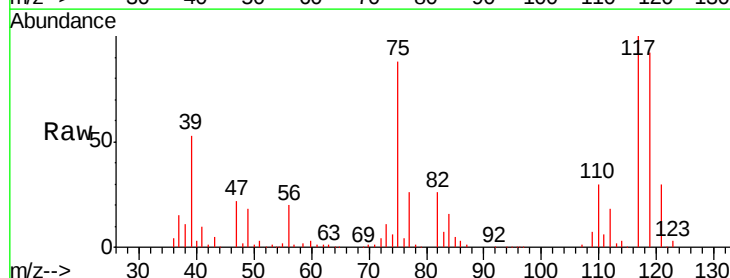
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

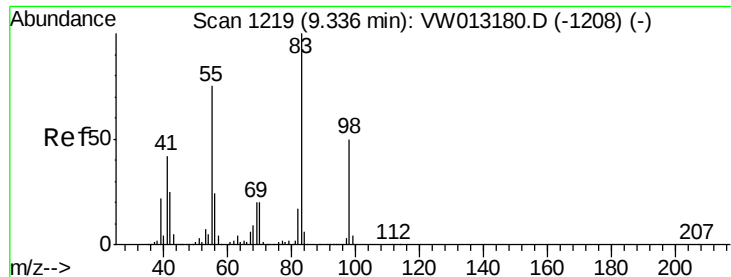
Tgt Ion: 43 Resp: 104806
Ion Ratio Lower Upper
43 100
61 14.1 10.9 16.3
70 10.5 8.2 12.2



#38
Carbon Tetrachloride
Concen: 46.057 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 117 Resp: 200000
Ion Ratio Lower Upper
117 100
119 92.3 73.5 110.3
121 29.9 25.0 37.6

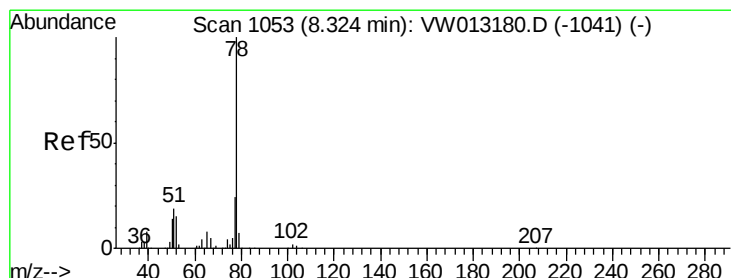
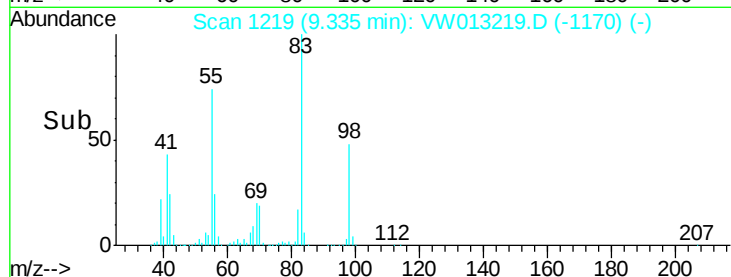
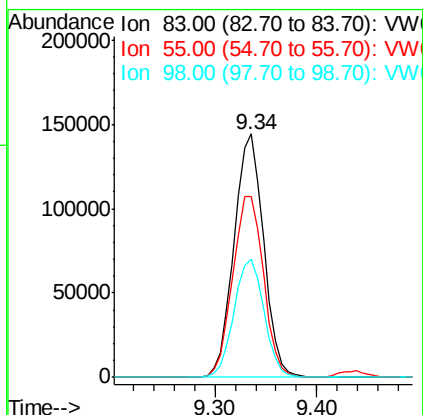
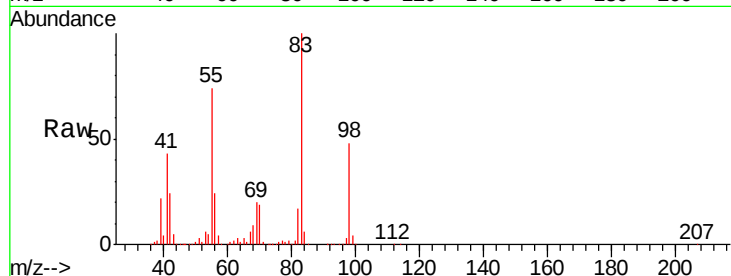




#39
Methylcyclohexane
Concen: 46.552 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

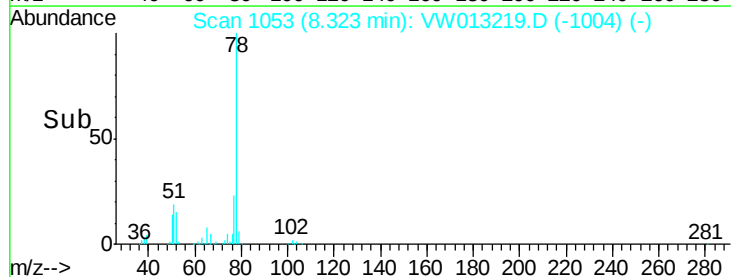
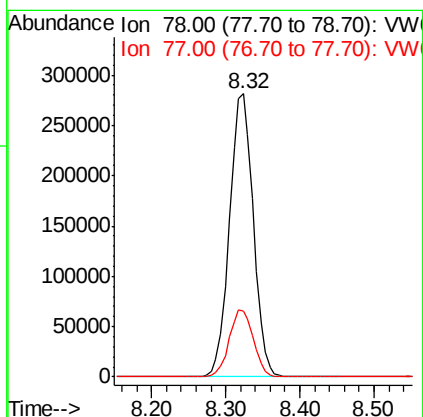
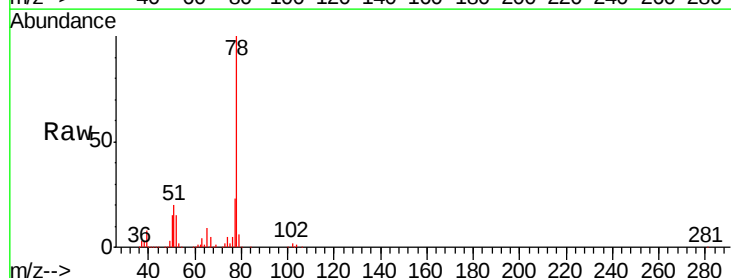
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

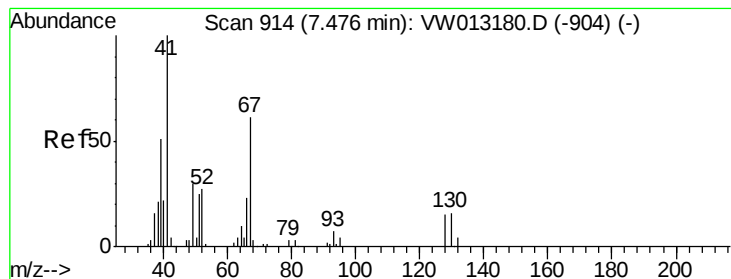
Tgt Ion: 83 Resp: 289796
Ion Ratio Lower Upper
83 100
55 74.4 60.4 90.6
98 48.3 40.0 60.0



#40
Benzene
Concen: 46.599 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 78 Resp: 629637
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7





#41

Methacrylonitrile

Concen: 55.622 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 68344

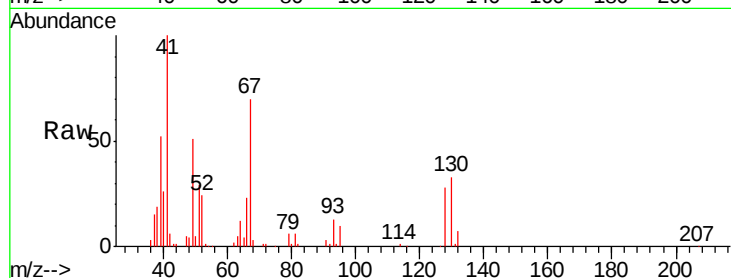
Ion Ratio Lower Upper

41 100

39 46.8 45.9 68.9

67 62.8 54.5 81.7

52 25.7 22.5 33.7

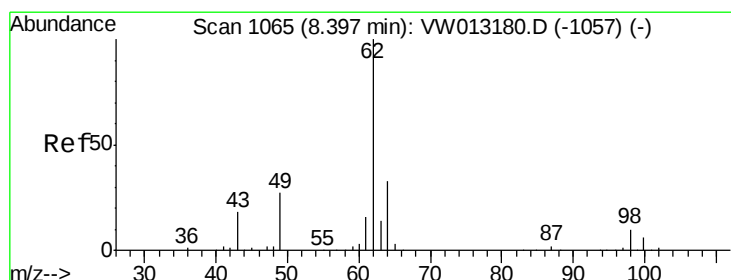
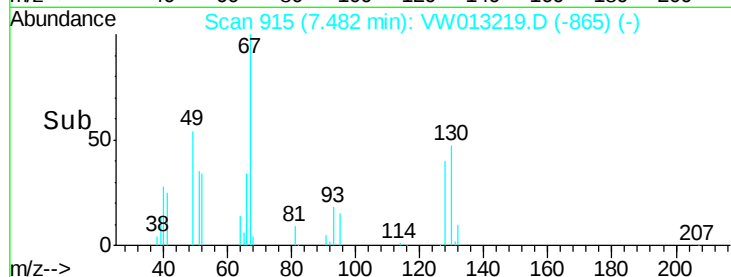
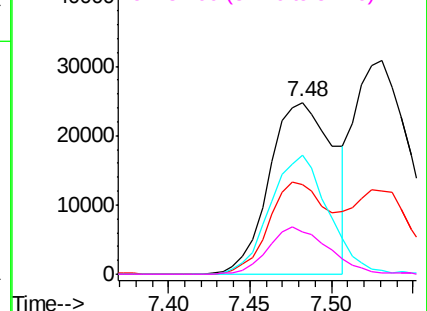


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 47.159 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013219.D

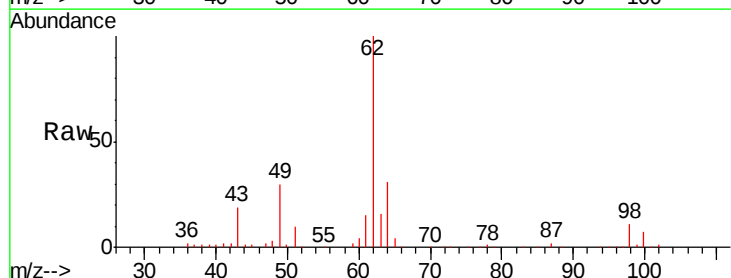
Acq: 21 Sep 2019 07:48

Tgt Ion: 62 Resp: 171293

Ion Ratio Lower Upper

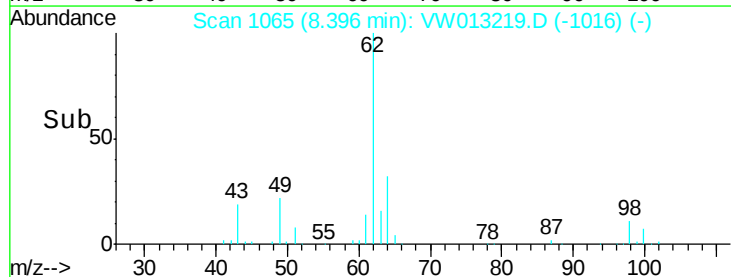
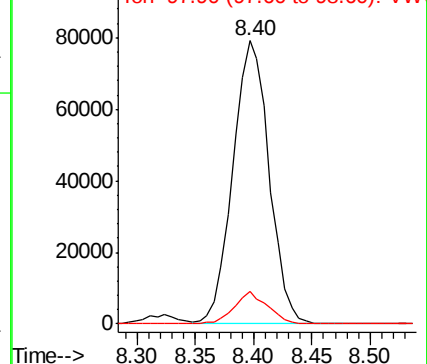
62 100

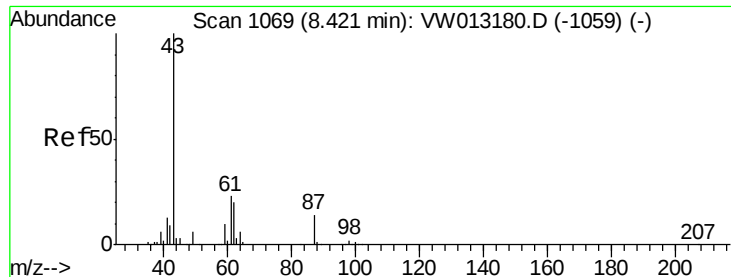
98 10.5 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

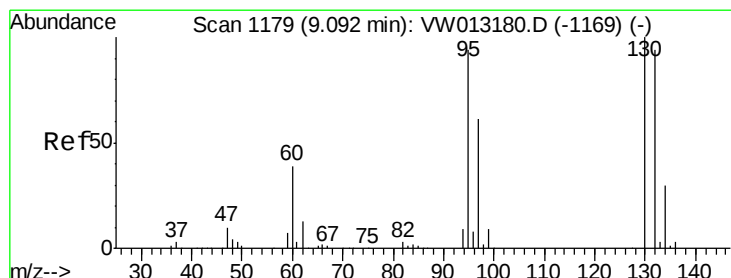
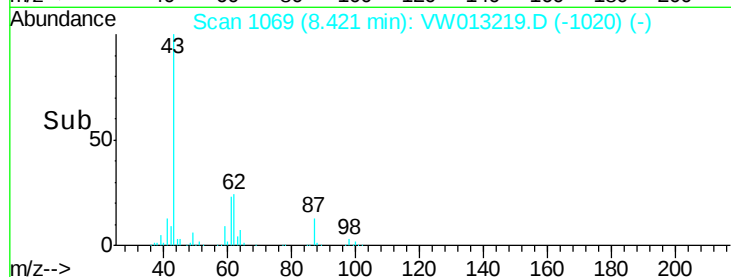
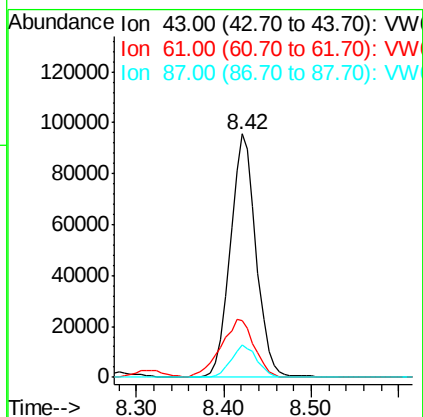
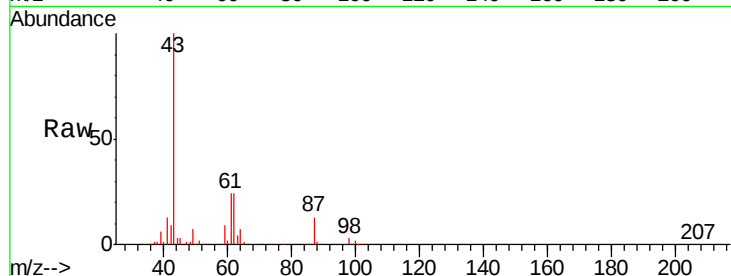




#43
Isopropyl Acetate
Concen: 48.986 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

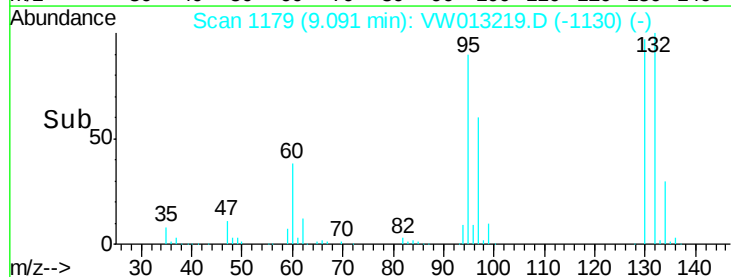
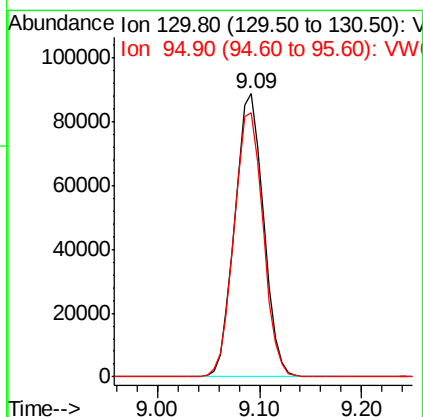
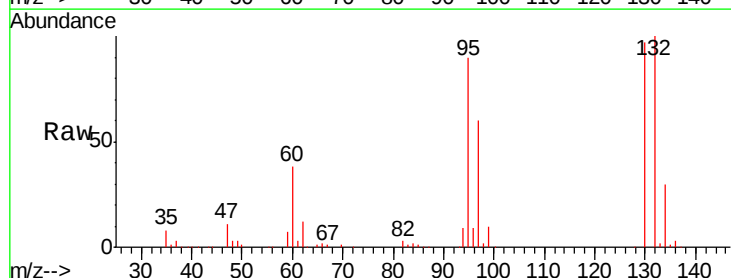
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

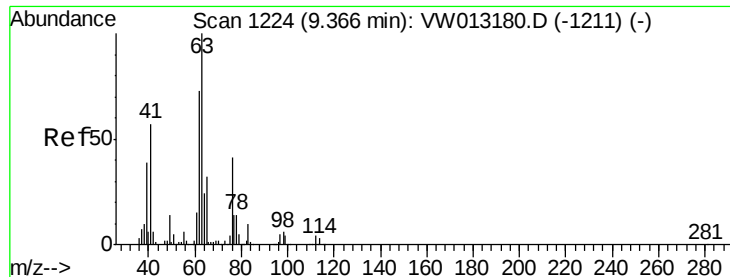
Tgt Ion: 43 Resp: 193288
Ion Ratio Lower Upper
43 100
61 30.7 25.5 38.3
87 13.5 11.0 16.4



#44
Trichloroethene
Concen: 45.834 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 130 Resp: 173755
Ion Ratio Lower Upper
130 100
95 93.2 0.0 188.0





#45

1,2-Dichloropropane

Concen: 46.296 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

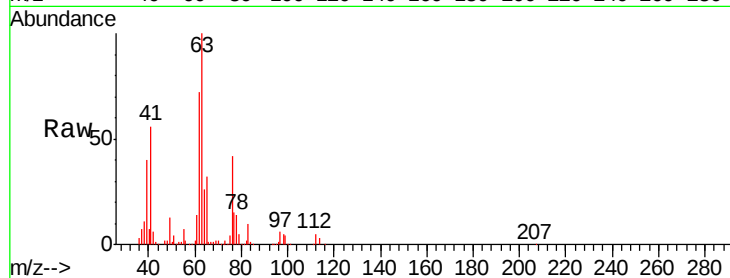
VSTDCCC050EC

Tgt Ion: 63 Resp: 152719

Ion Ratio Lower Upper

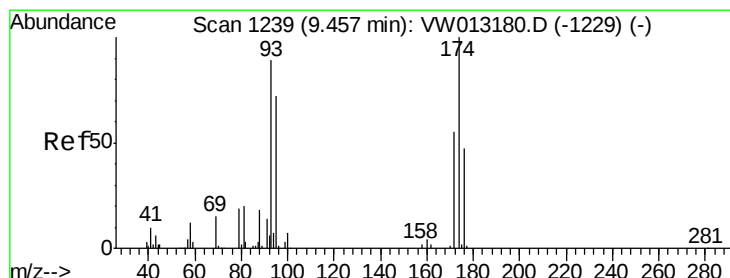
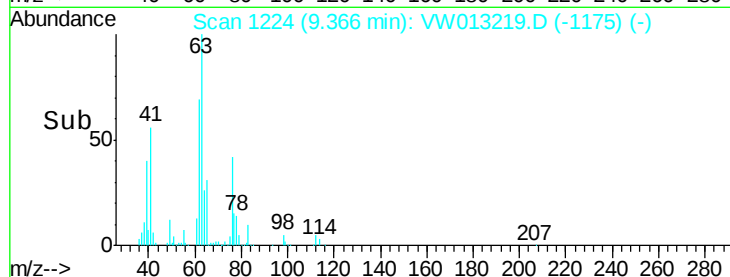
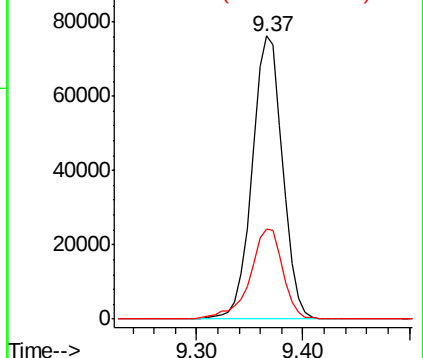
63 100

65 31.9 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 47.651 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

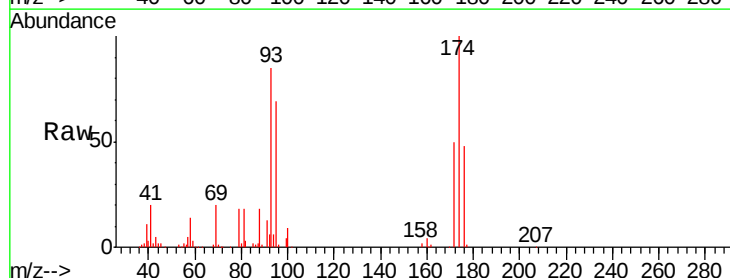
Tgt Ion: 93 Resp: 76315

Ion Ratio Lower Upper

93 100

95 84.6 66.4 99.6

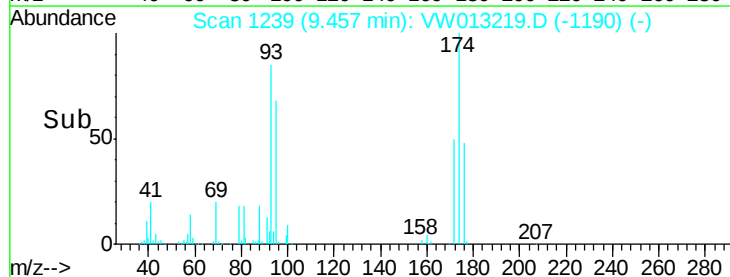
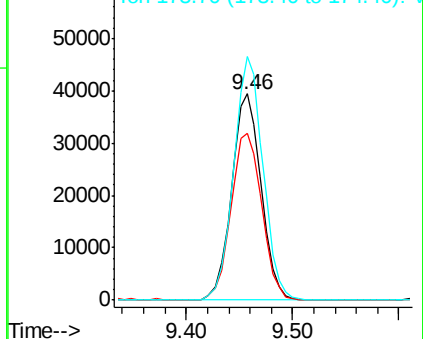
174 117.5 93.0 139.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 45.651 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

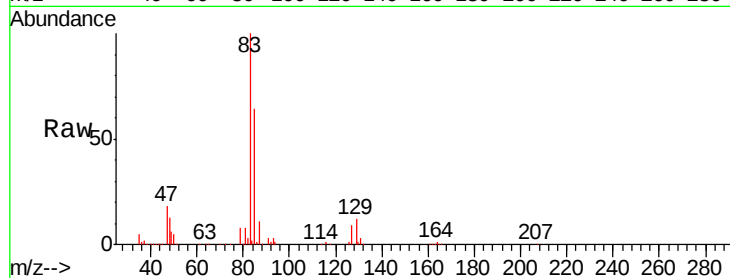
Tgt Ion: 83 Resp: 186036

Ion Ratio Lower Upper

83 100

85 64.3 49.4 74.2

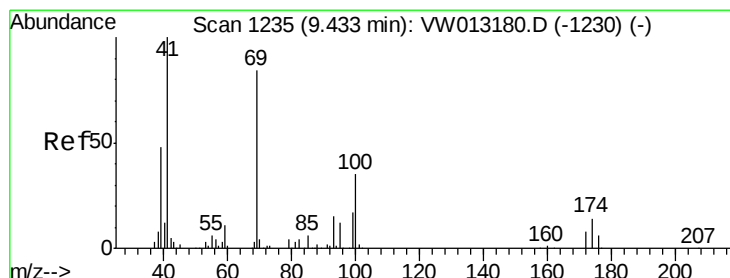
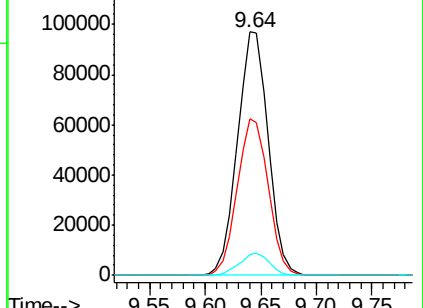
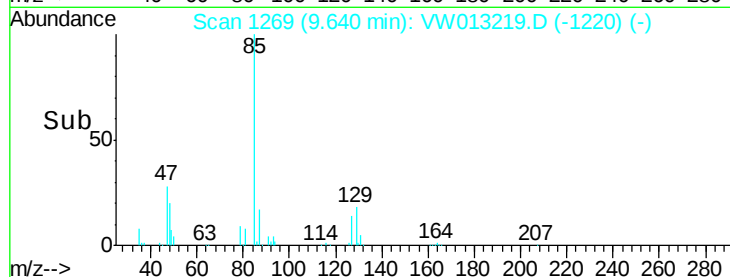
127 8.7 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.053 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

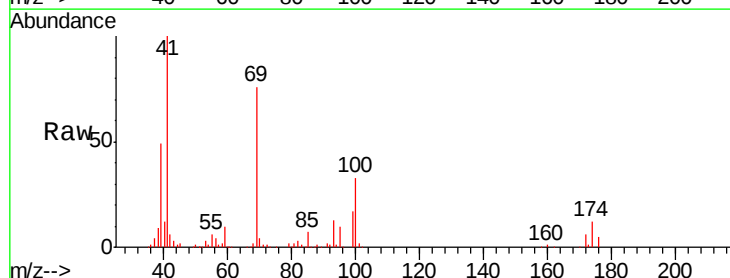
Tgt Ion: 41 Resp: 98435

Ion Ratio Lower Upper

41 100

69 82.5 69.7 104.5

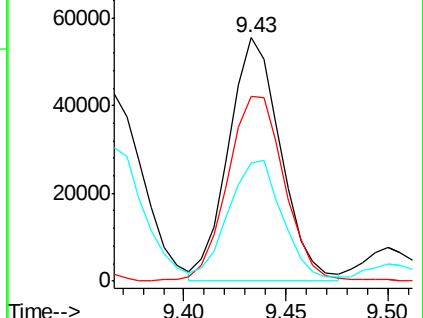
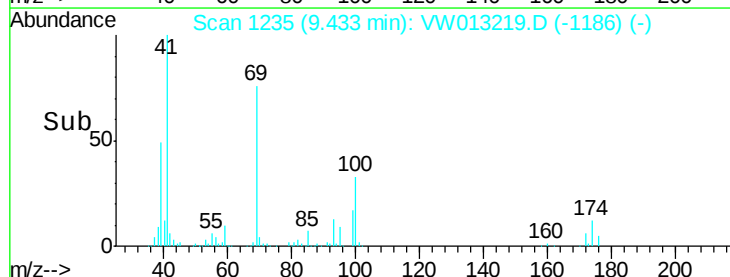
39 47.5 41.1 61.7

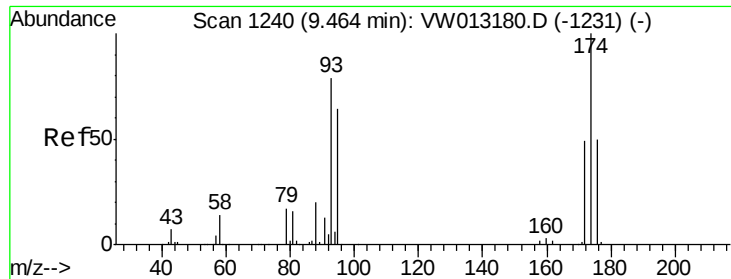


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

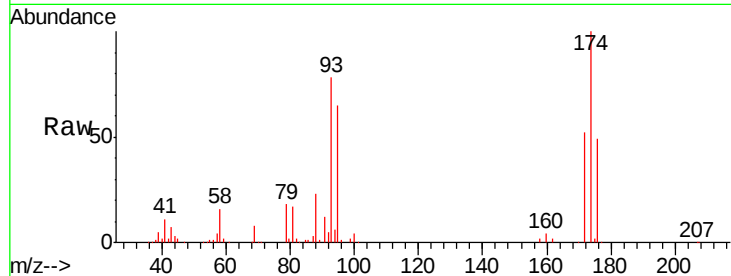




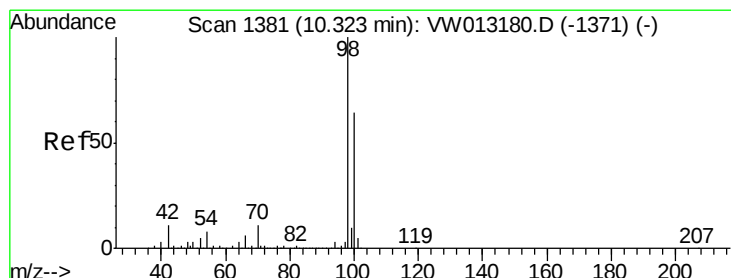
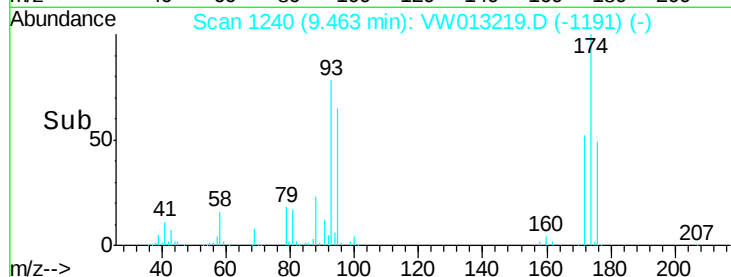
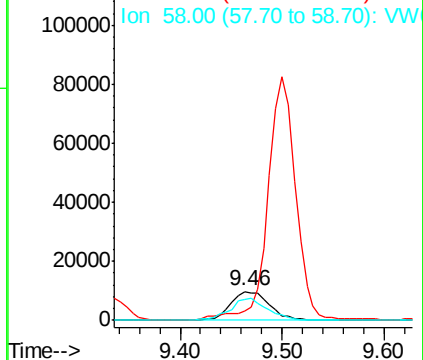
#49
1,4-Dioxane
Concen: 1069.872 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 25720
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 74.7 65.4 98.0

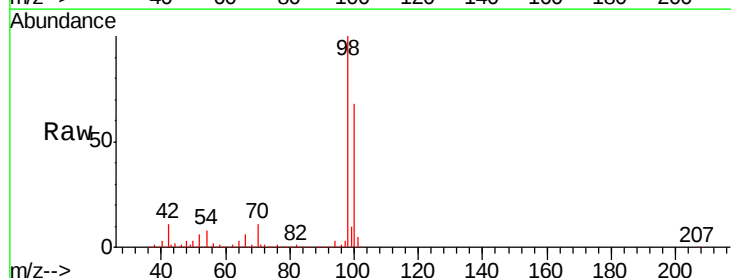


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

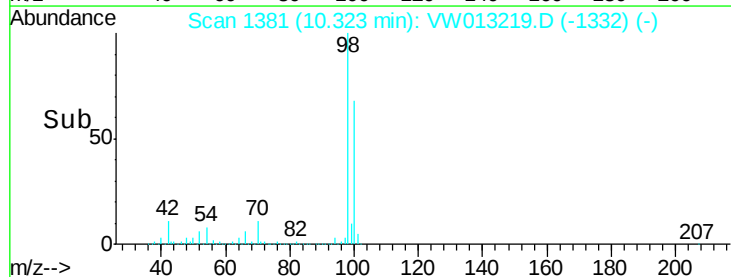
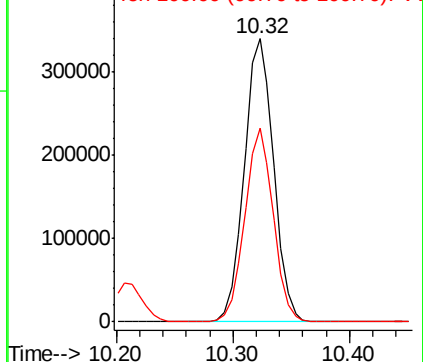


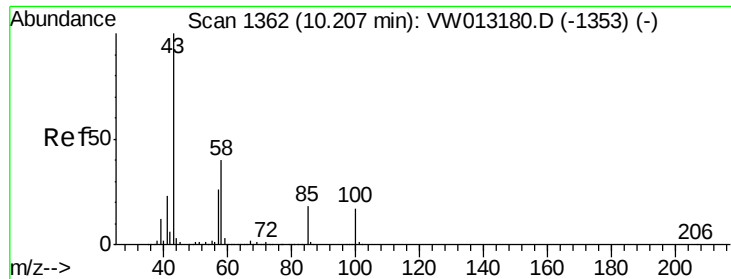
#50
Toluene-d8
Concen: 51.685 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 98 Resp: 595000
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



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: 254.598 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

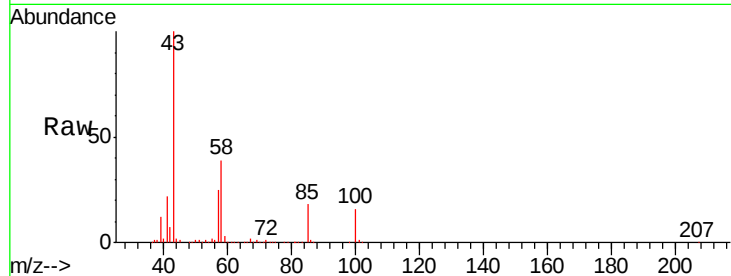
VSTDCCC050EC

Tgt Ion: 43 Resp: 503623

Ion Ratio Lower Upper

43 100

58 40.0 31.7 47.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

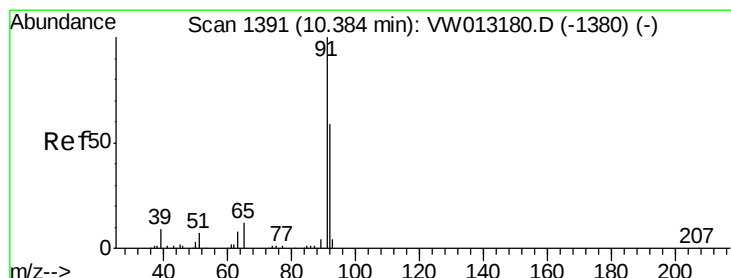
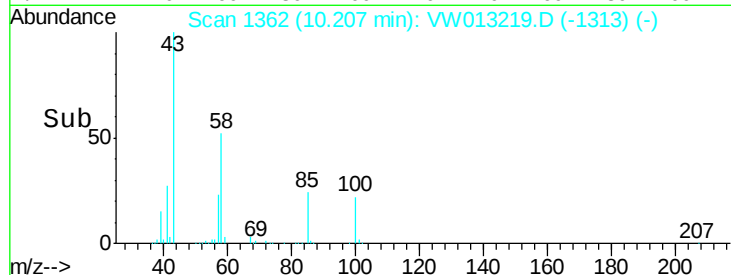
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 46.933 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013219.D

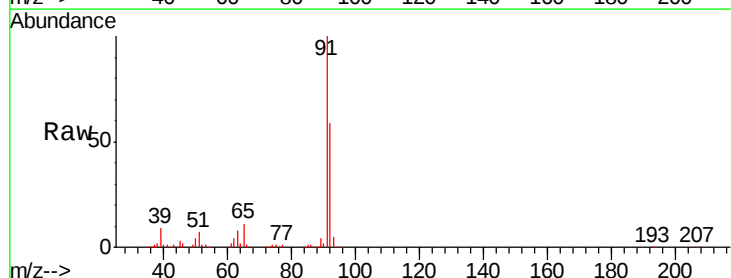
Acq: 21 Sep 2019 07:48

Tgt Ion: 92 Resp: 406417

Ion Ratio Lower Upper

92 100

91 170.3 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

400000

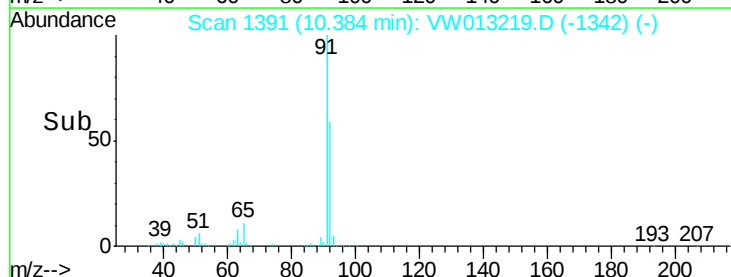
300000

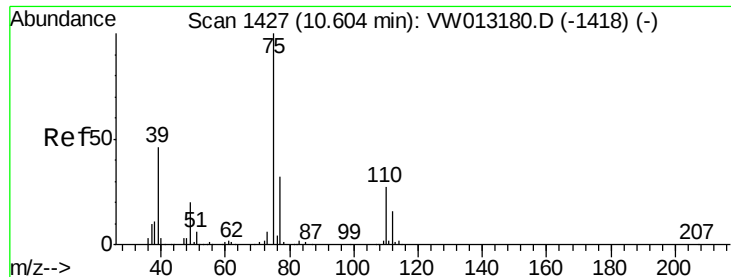
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.703 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

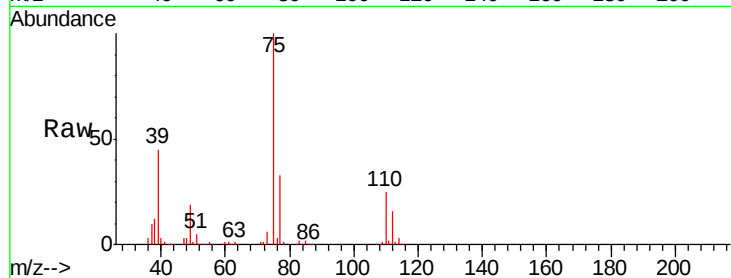
VSTDCCC050EC

Tgt Ion: 75 Resp: 191351

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

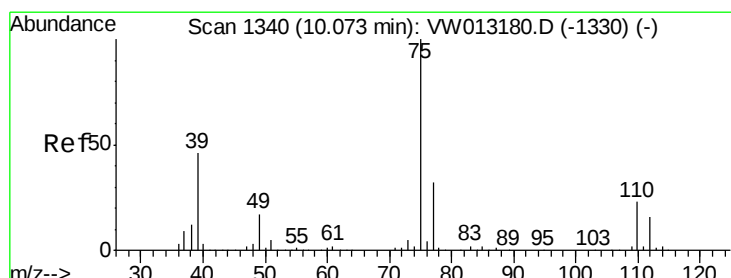
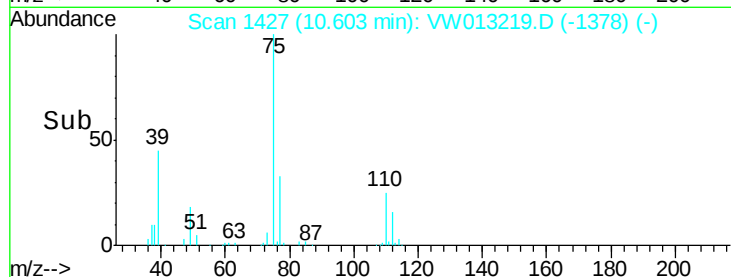
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 45.292 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

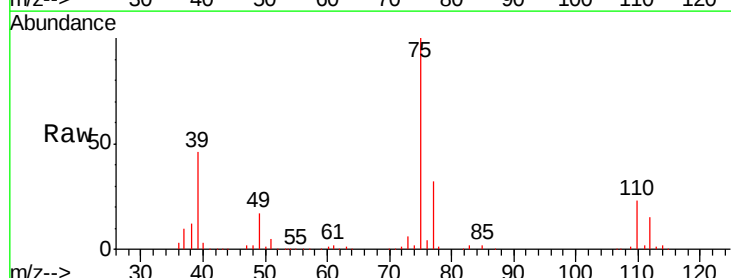
Tgt Ion: 75 Resp: 230566

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 45.6 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

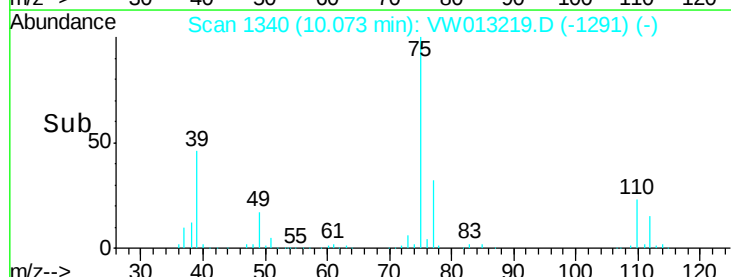
150000

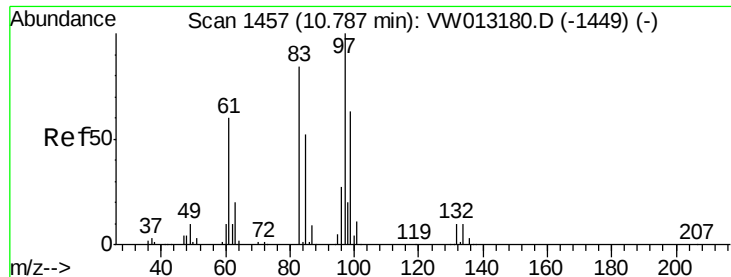
100000

50000

0

Time--> 10.00 10.10



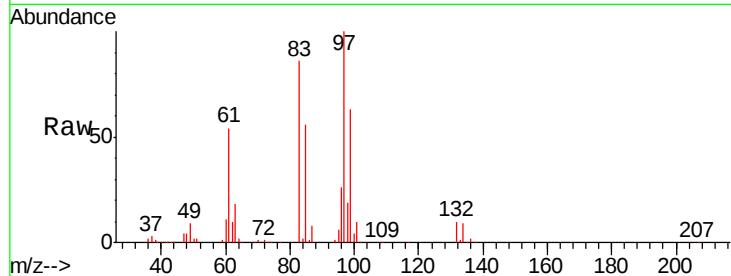


#55
 1,1,2-Trichloroethane
 Concen: 48.087 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 97 Resp: 115111

Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.6	101.4
85	55.8	41.9	62.9
99	63.0	50.1	75.1



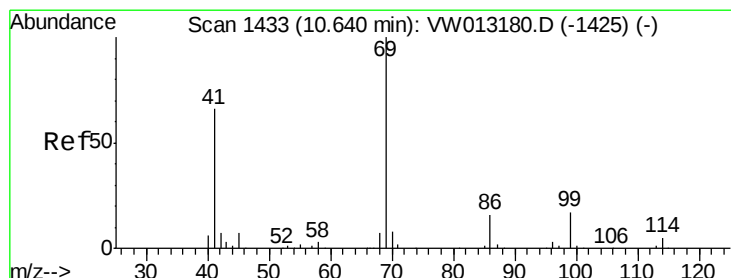
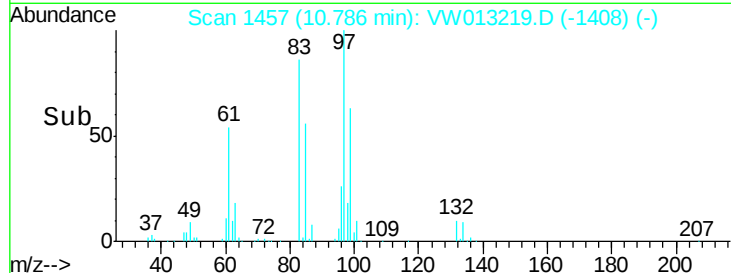
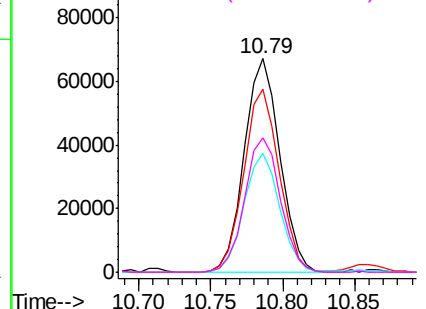
Abundance

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

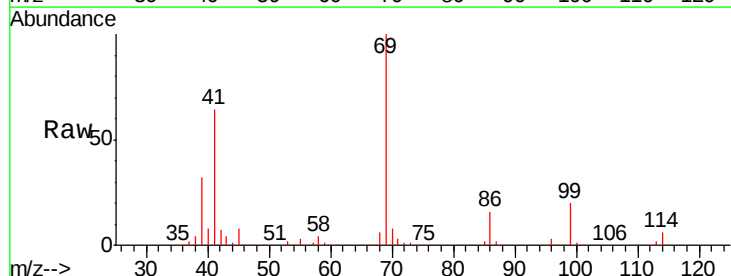
Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 51.221 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion: 69 Resp: 160467

Ion	Ratio	Lower	Upper
69	100		
41	67.6	53.9	80.9
39	29.6	23.8	35.6

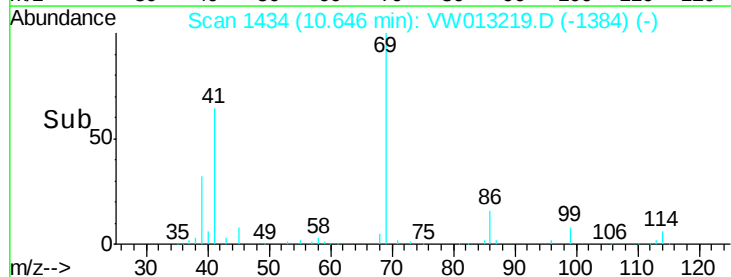
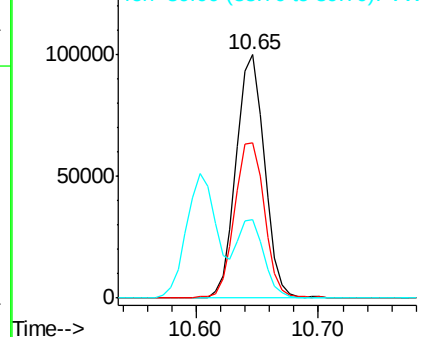


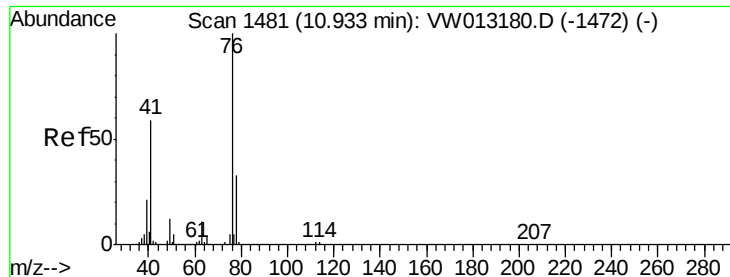
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

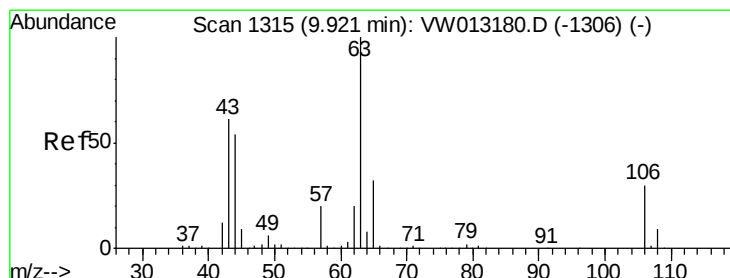
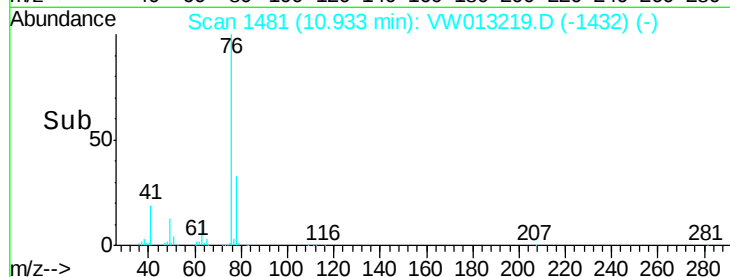
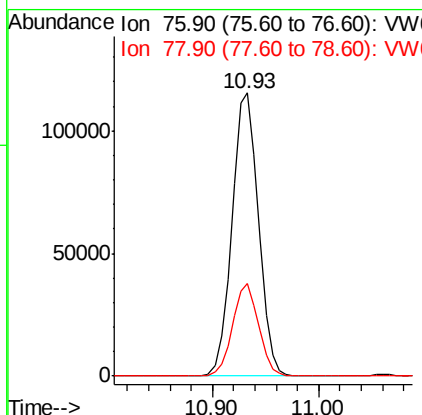
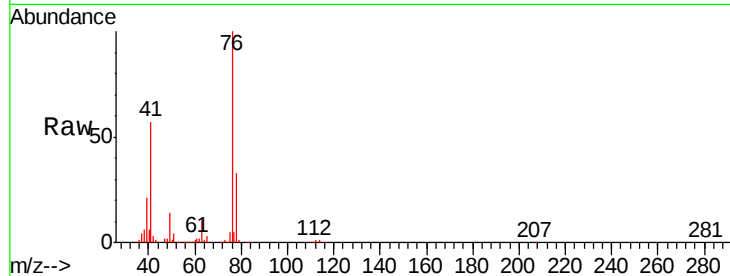




#57
 1,3-Dichloropropane
 Concen: 48.103 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

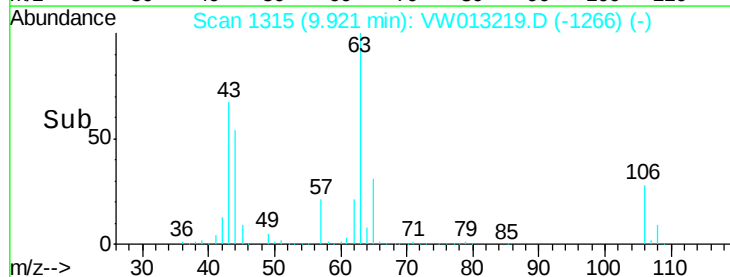
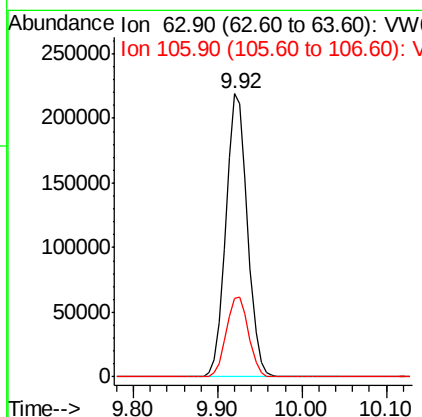
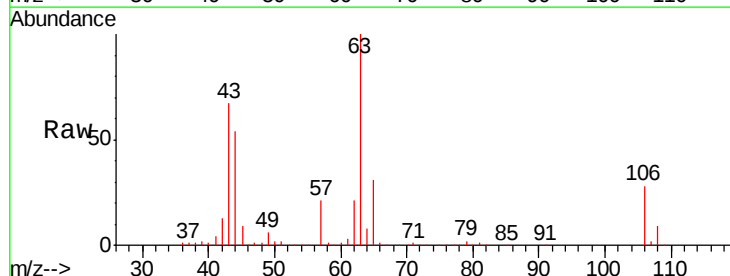
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

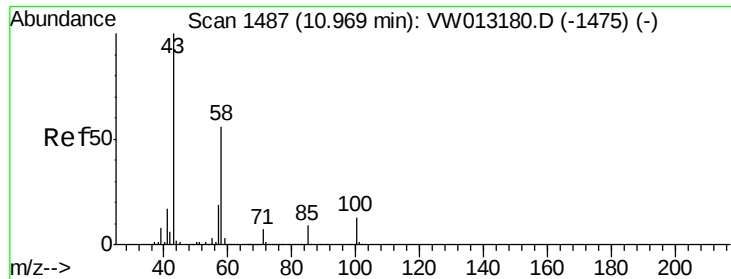
Tgt Ion: 76 Resp: 200940
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.346 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion: 63 Resp: 383388
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.4 35.0

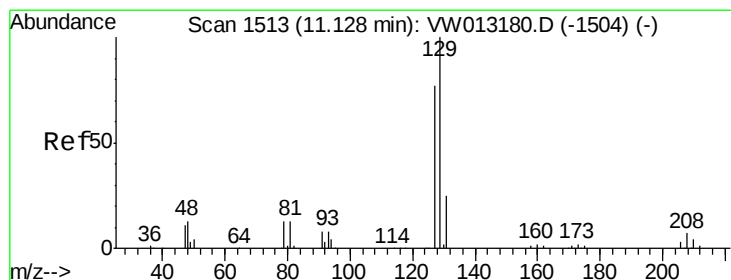
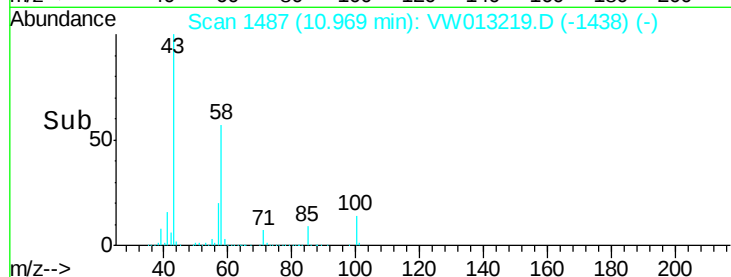
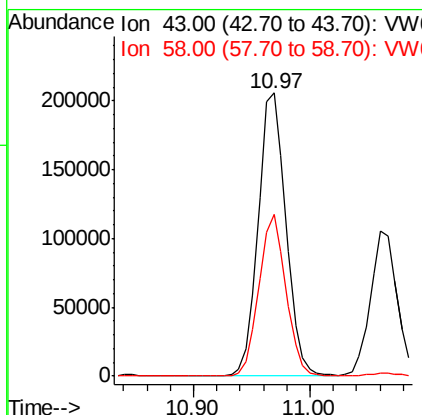
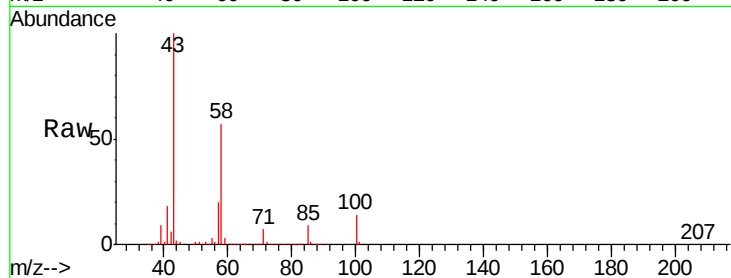




#59
2-Hexanone
Concen: 250.458 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

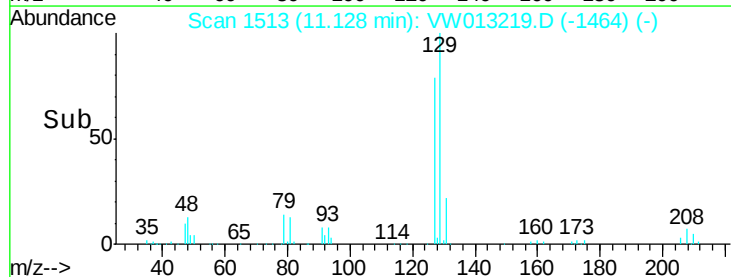
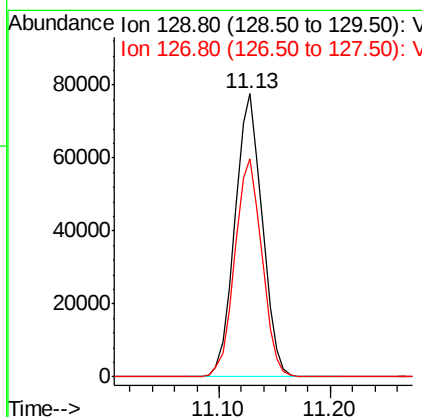
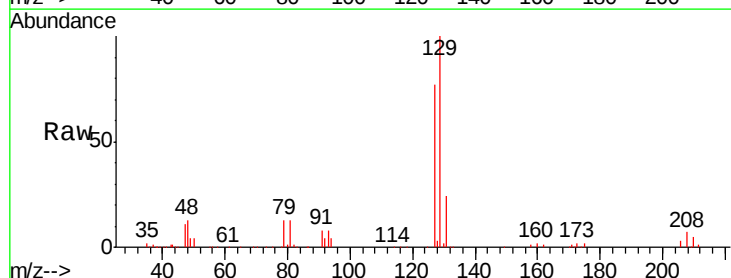
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

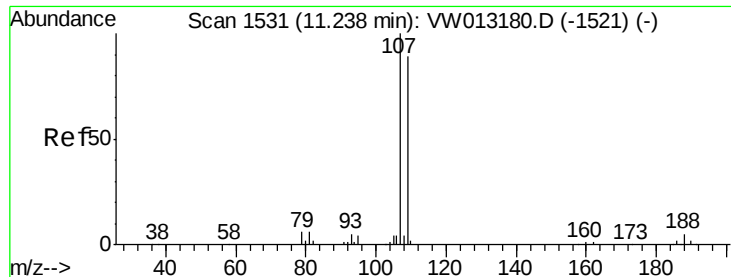
Tgt Ion: 43 Resp: 340857
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.2



#60
Dibromochloromethane
Concen: 48.445 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 129 Resp: 131680
Ion Ratio Lower Upper
129 100
127 76.5 38.8 116.4





#61

1,2-Dibromoethane

Concen: 48.276 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

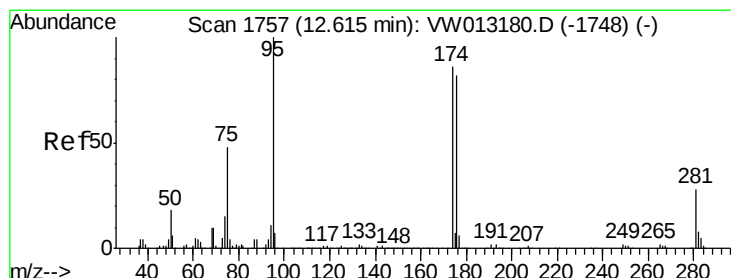
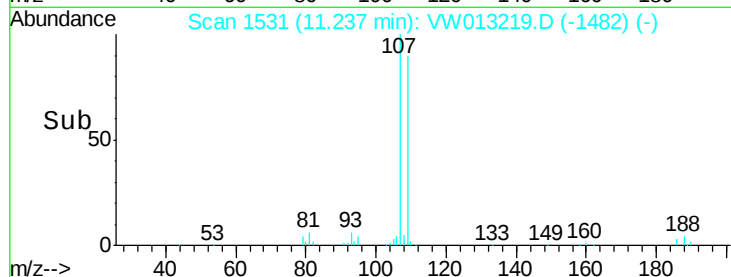
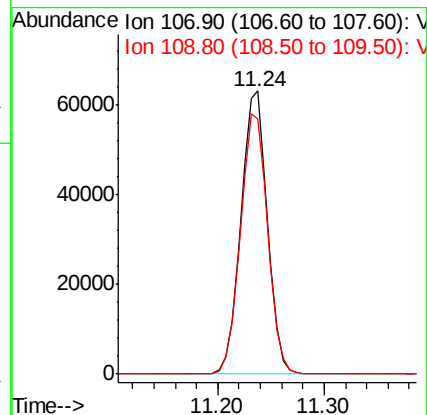
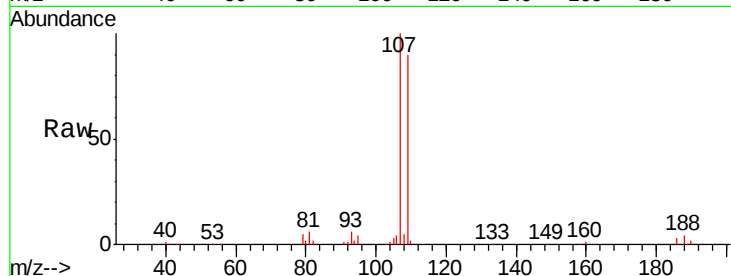
VSTDCCC050EC

Tgt Ion: 107 Resp: 109877

Ion Ratio Lower Upper

107 100

109 94.5 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 51.473 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

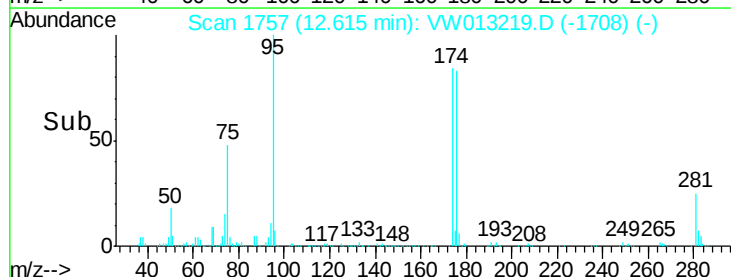
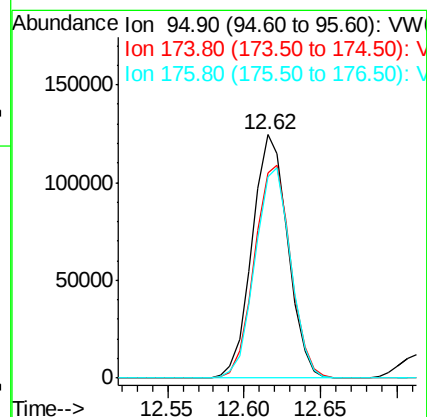
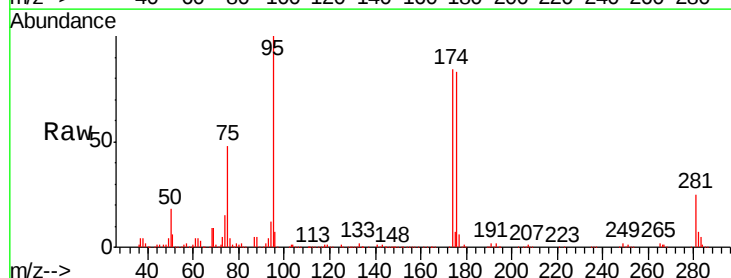
Tgt Ion: 95 Resp: 202412

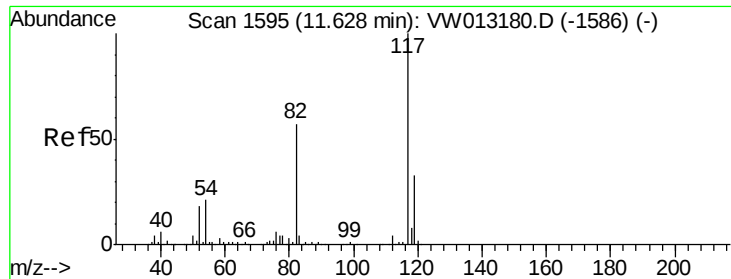
Ion Ratio Lower Upper

95 100

174 88.6 0.0 178.4

176 86.6 0.0 172.2

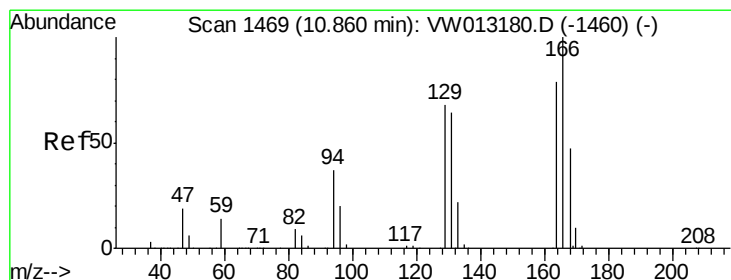
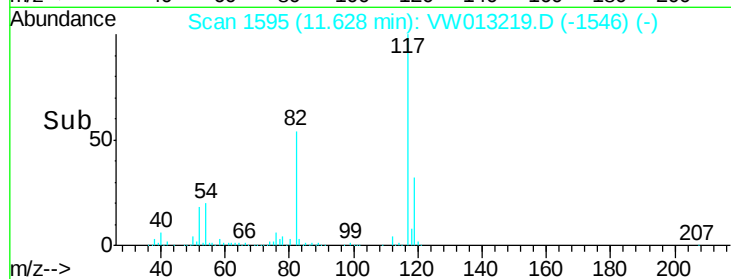
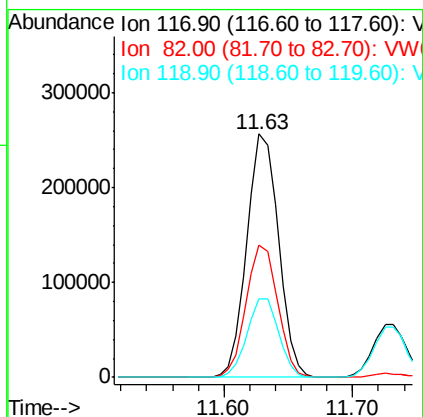
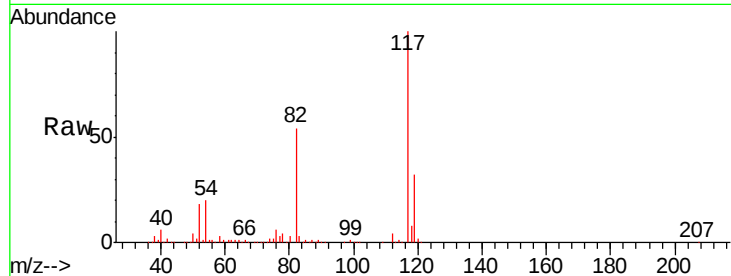




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

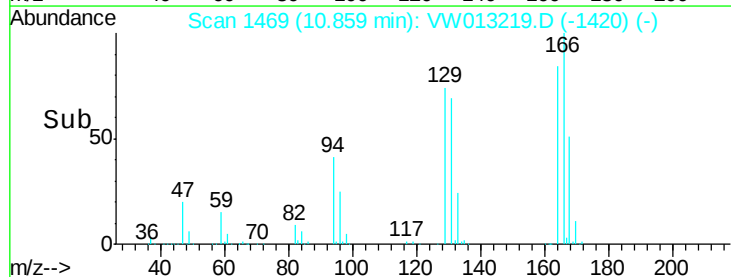
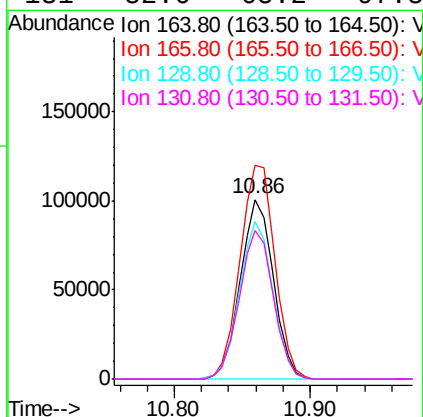
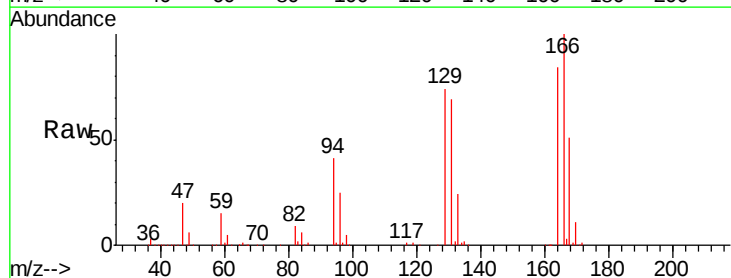
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

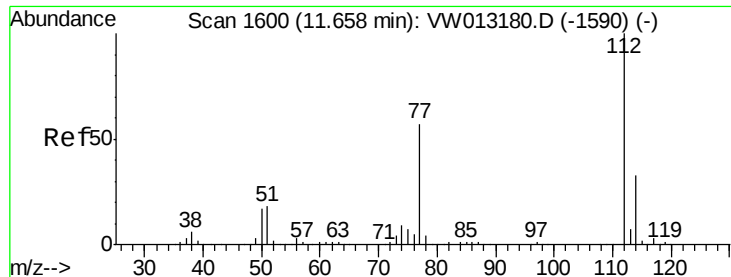
Tgt Ion:117 Resp: 436264
Ion Ratio Lower Upper
117 100
82 54.2 45.9 68.9
119 32.3 26.2 39.2



#64
Tetrachloroethene
Concen: 51.658 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion:164 Resp: 170991
Ion Ratio Lower Upper
164 100
166 119.0 101.2 151.8
129 87.7 68.8 103.2
131 82.6 65.2 97.8

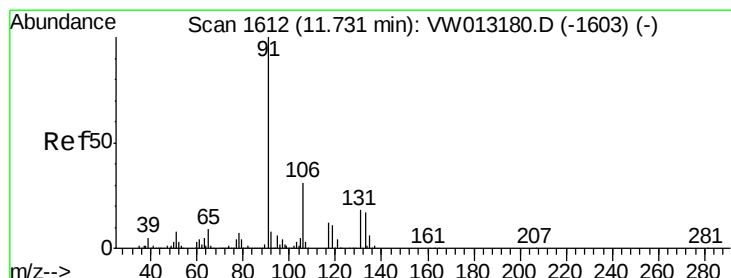
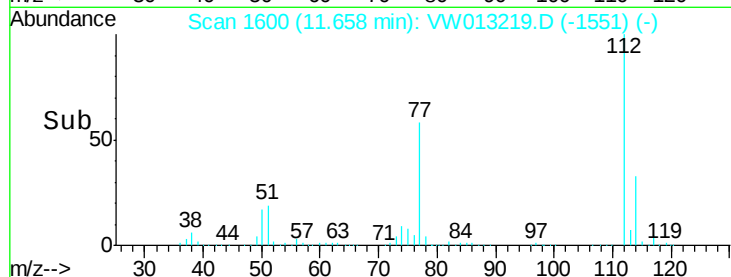
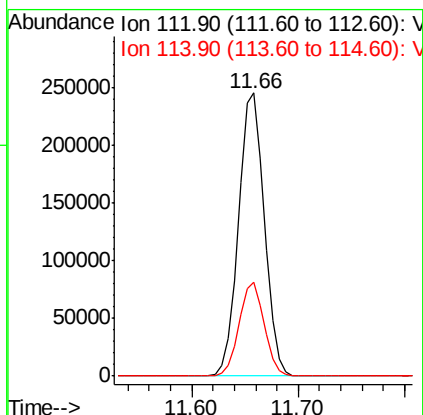
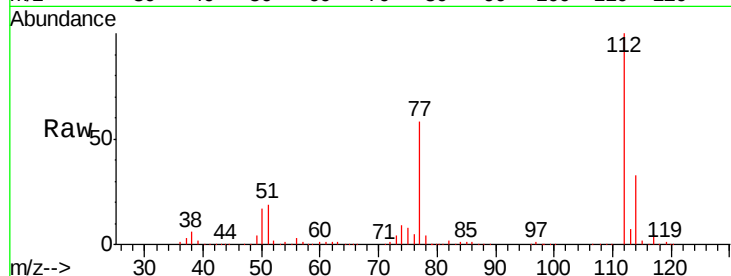




#65
Chlorobenzene
Concen: 45.886 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

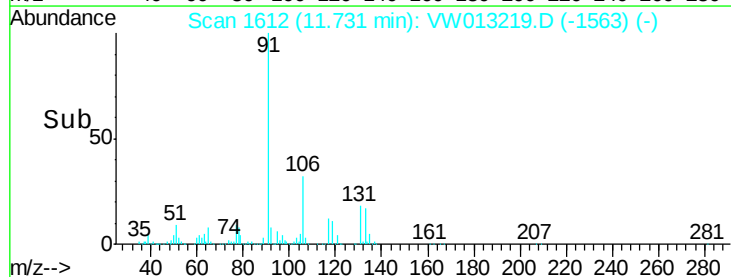
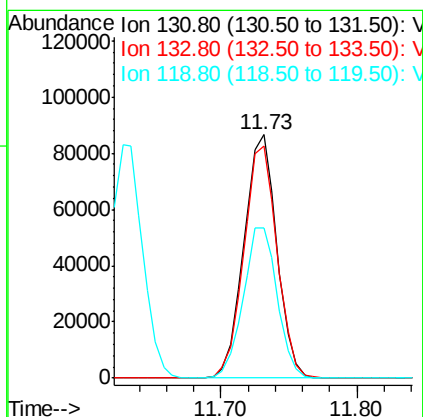
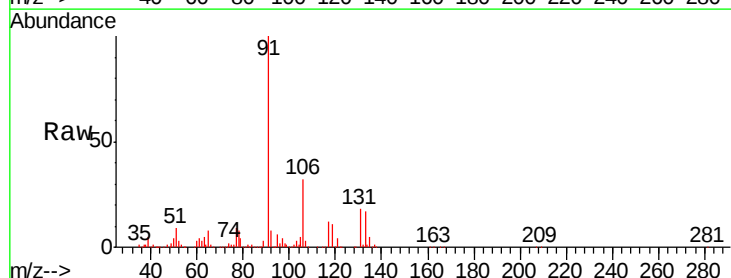
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

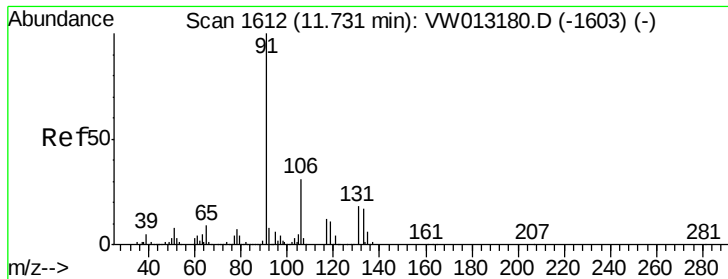
Tgt Ion:112 Resp: 418020
Ion Ratio Lower Upper
112 100
114 33.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 46.976 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion:131 Resp: 146202
Ion Ratio Lower Upper
131 100
133 96.7 47.5 142.6
119 64.0 32.5 97.5

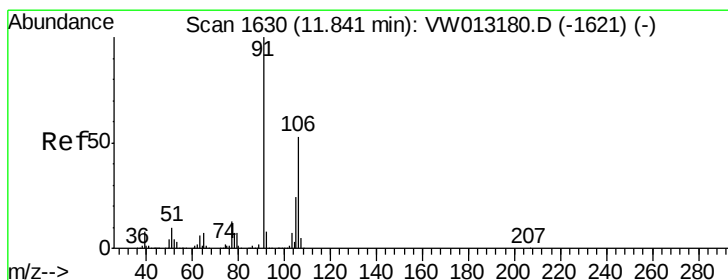
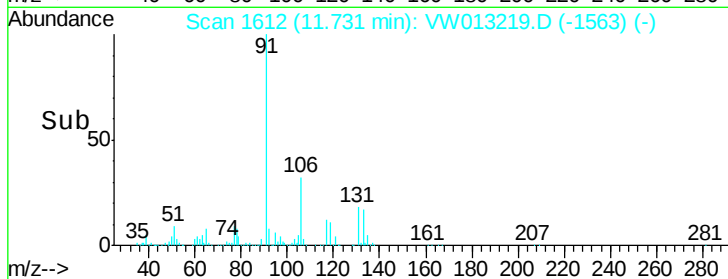
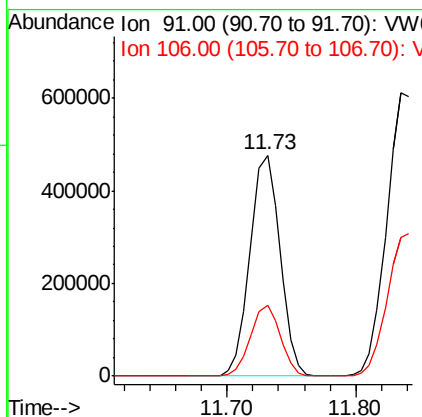
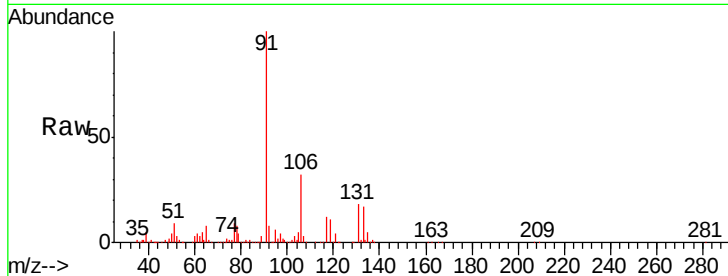




#67
Ethyl Benzene
Concen: 46.517 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

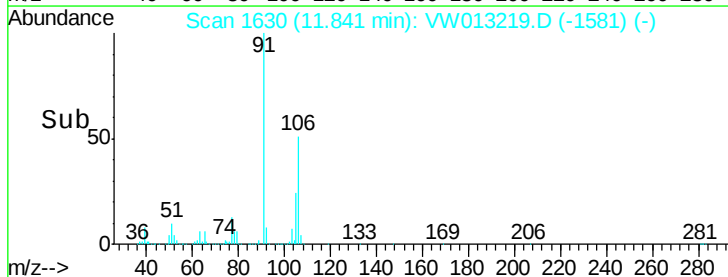
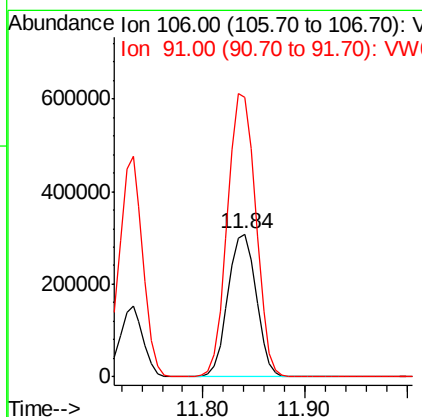
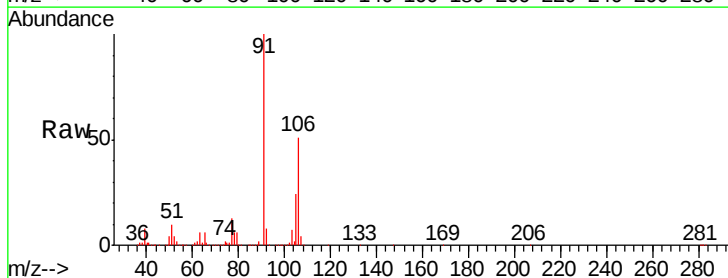
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

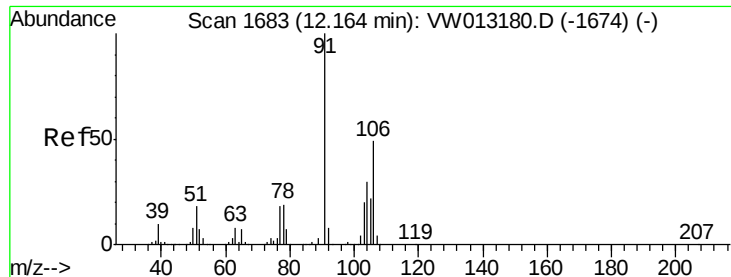
Tgt Ion: 91 Resp: 767836
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3



#68
m/p-Xylenes
Concen: 93.973 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 106 Resp: 591089
Ion Ratio Lower Upper
106 100
91 198.7 157.9 236.9

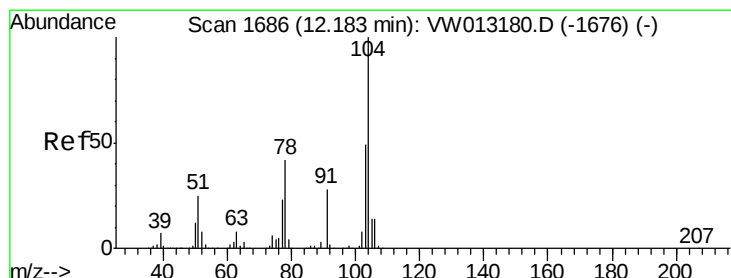
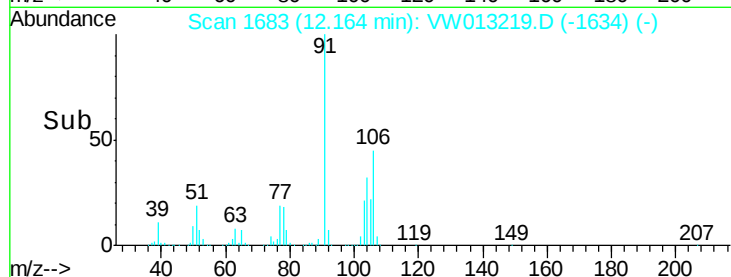
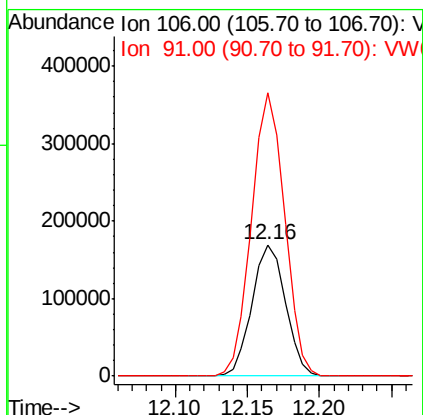
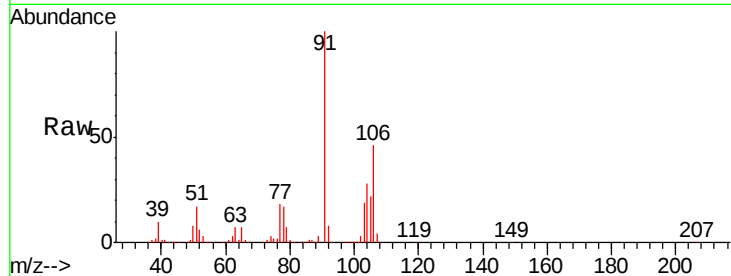




#69
o-Xylene
Concen: 46.553 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

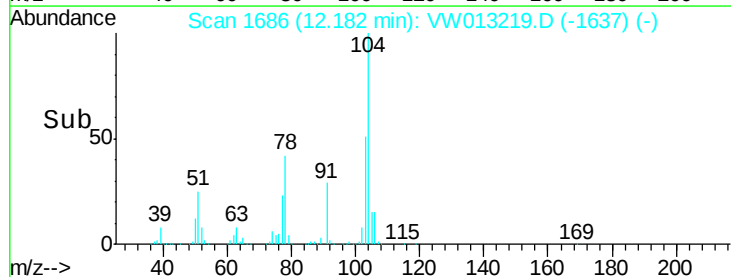
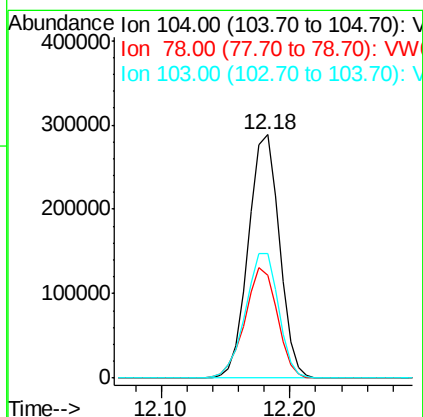
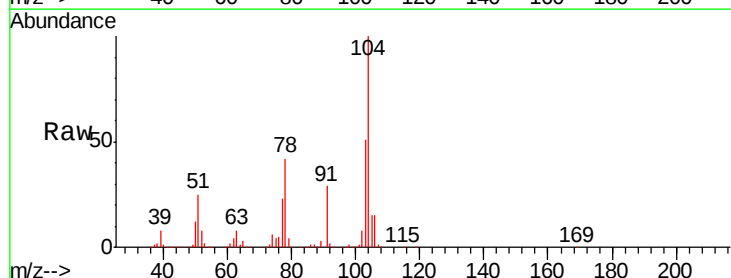
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

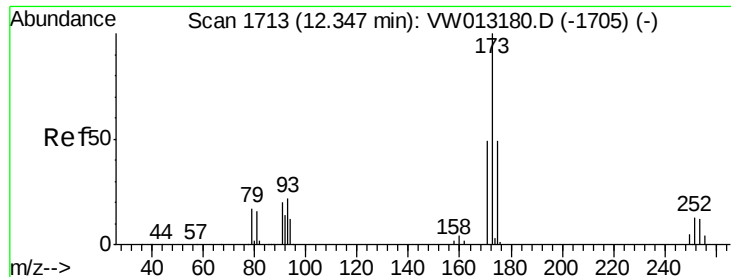
Tgt Ion:106 Resp: 272242
Ion Ratio Lower Upper
106 100
91 213.1 106.5 319.5



#70
Styrene
Concen: 47.678 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion:104 Resp: 478677
Ion Ratio Lower Upper
104 100
78 47.5 38.4 57.6
103 54.7 43.3 64.9





#71

Bromoform

Concen: 48.372 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

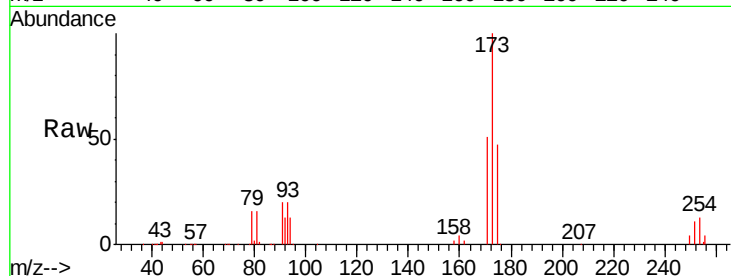
Tgt Ion:173 Resp: 79534

Ion Ratio Lower Upper

173 100

175 48.0 24.3 73.0

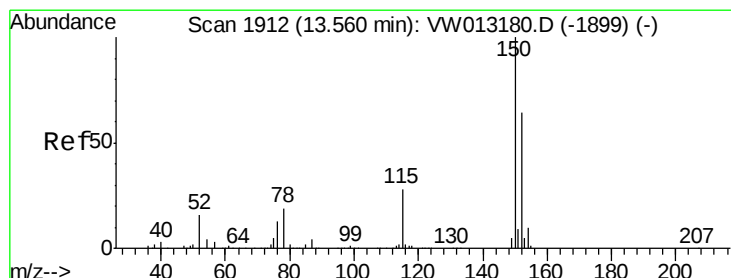
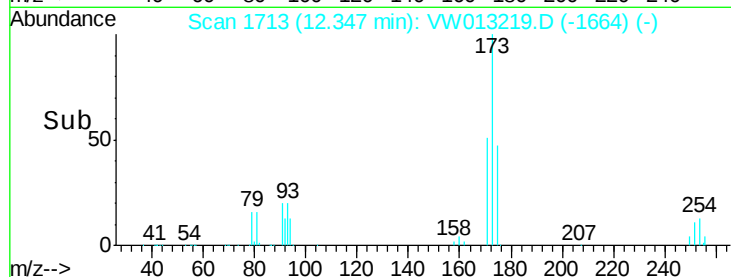
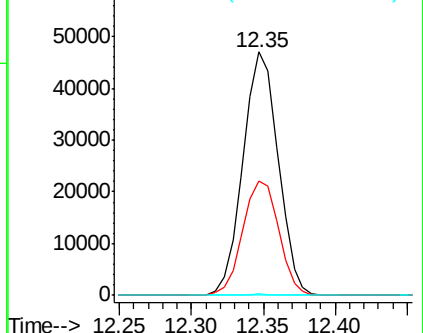
254 0.1 0.1 0.1



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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

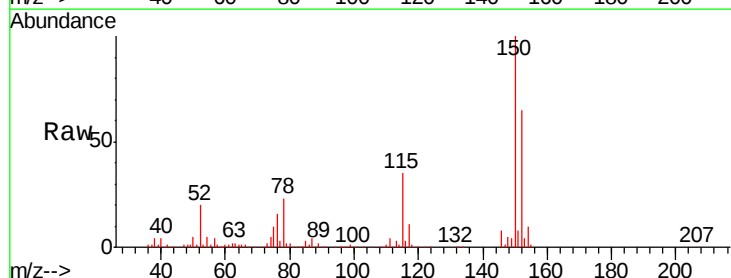
Tgt Ion:152 Resp: 220727

Ion Ratio Lower Upper

152 100

115 54.6 27.3 81.9

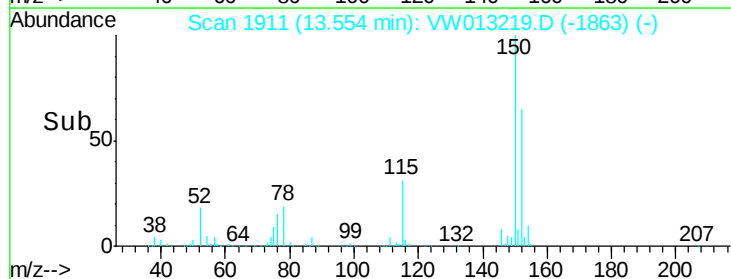
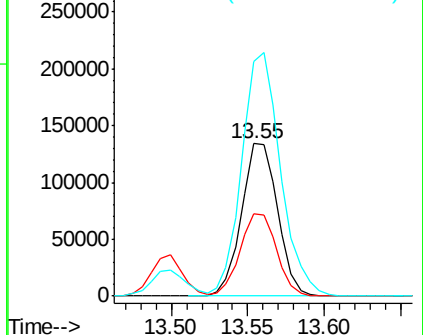
150 170.9 0.0 349.0

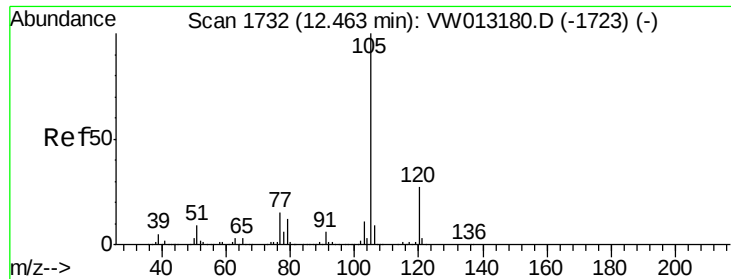


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.821 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

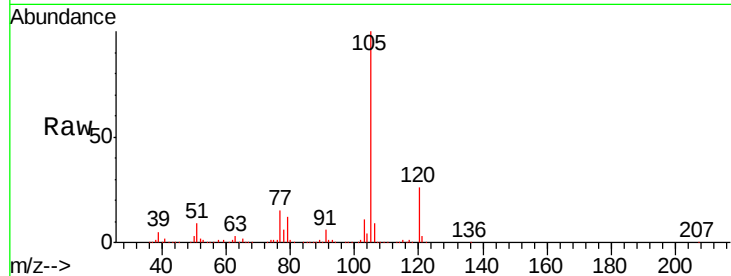
VSTDCCC050EC

Tgt Ion: 105 Resp: 763431

Ion Ratio Lower Upper

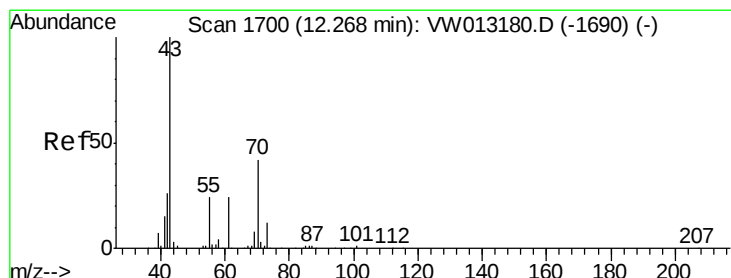
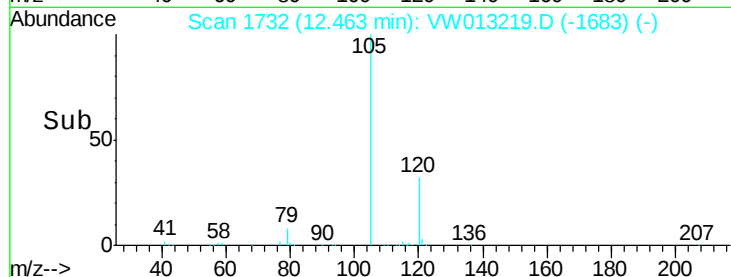
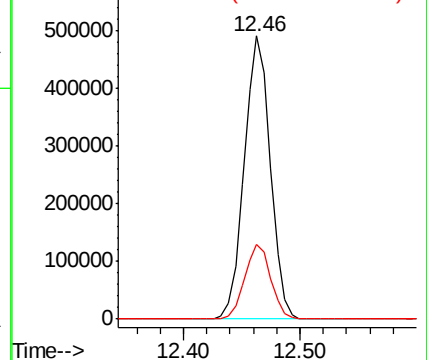
105 100

120 26.3 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.701 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion: 43 Resp: 179824

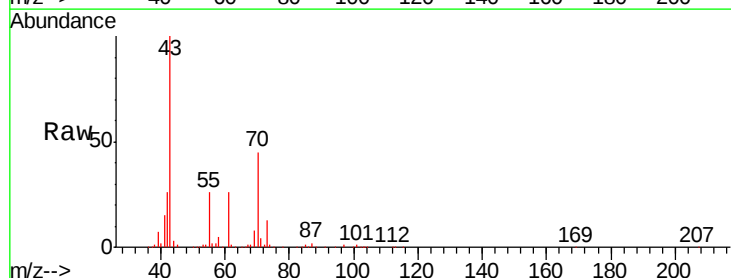
Ion Ratio Lower Upper

43 100

70 43.3 35.1 52.7

55 25.4 19.9 29.9

61 25.2 19.5 29.3

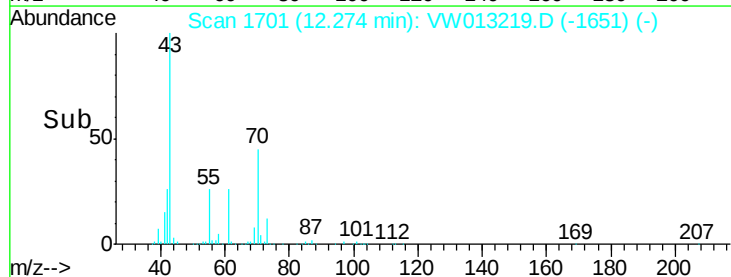
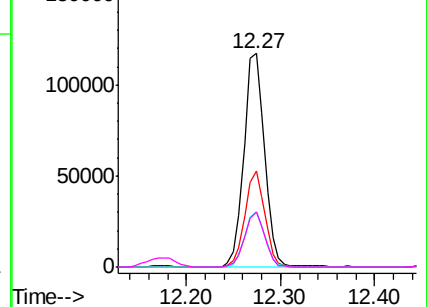


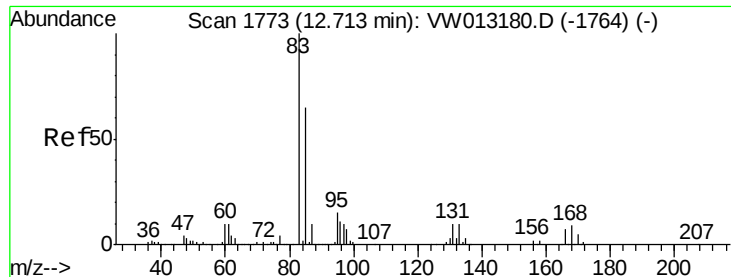
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 47.939 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

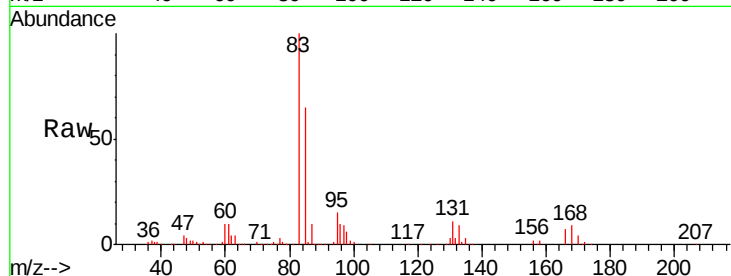
Tgt Ion: 83 Resp: 130727

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

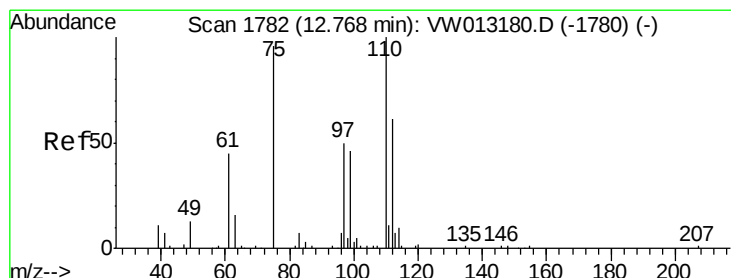
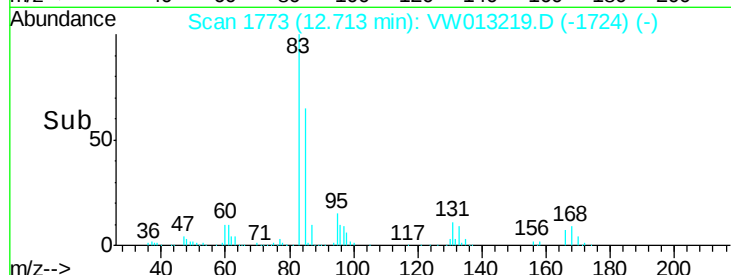
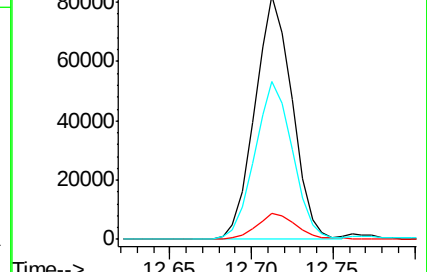
85 65.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 83.368 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013219.D

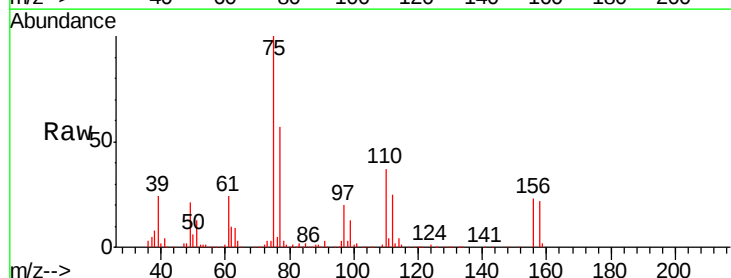
Acq: 21 Sep 2019 07:48

Tgt Ion: 75 Resp: 162511

Ion Ratio Lower Upper

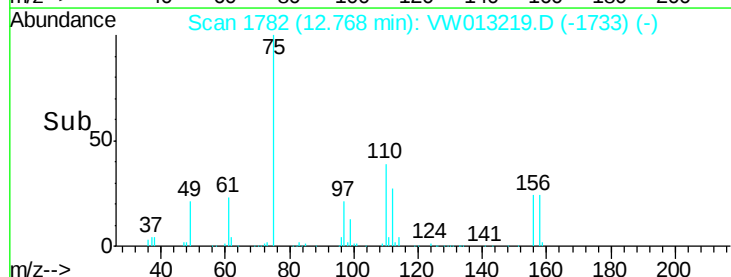
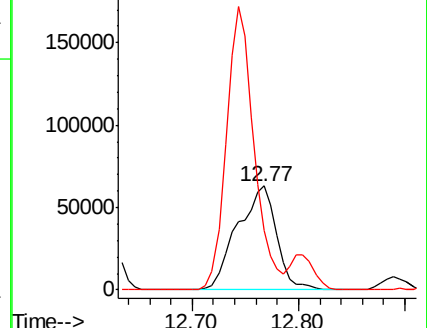
75 100

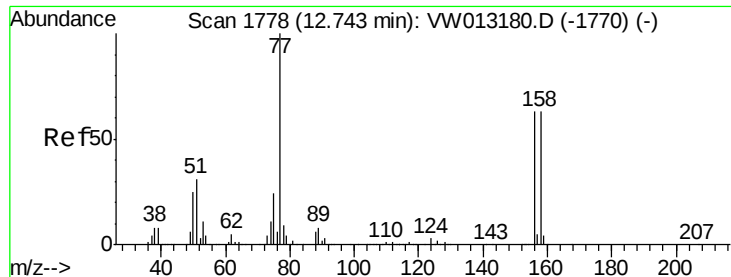
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 45.864 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

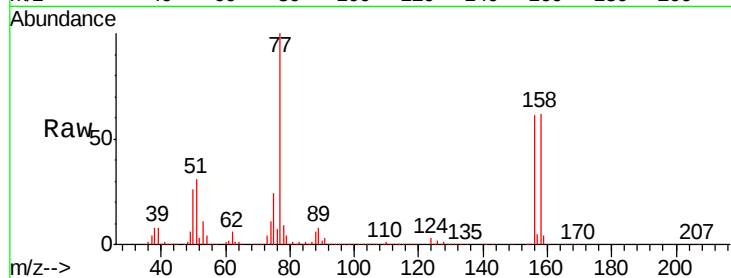
Tgt Ion:156 Resp: 177212

Ion Ratio Lower Upper

156 100

77 176.5 85.7 257.1

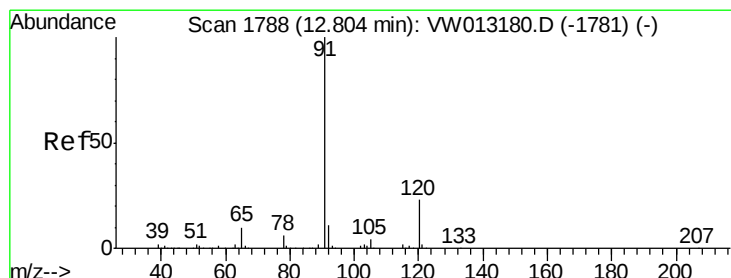
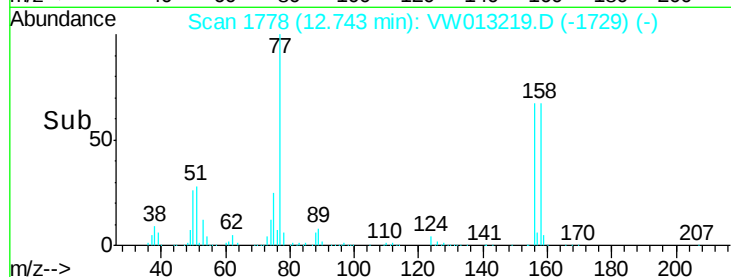
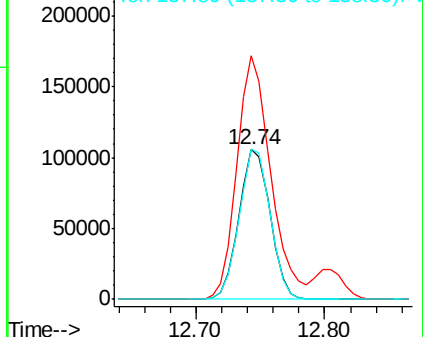
158 99.4 48.1 144.4



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: 46.465 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013219.D

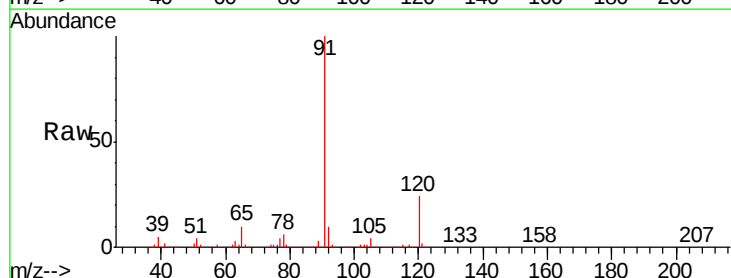
Acq: 21 Sep 2019 07:48

Tgt Ion: 91 Resp: 886822

Ion Ratio Lower Upper

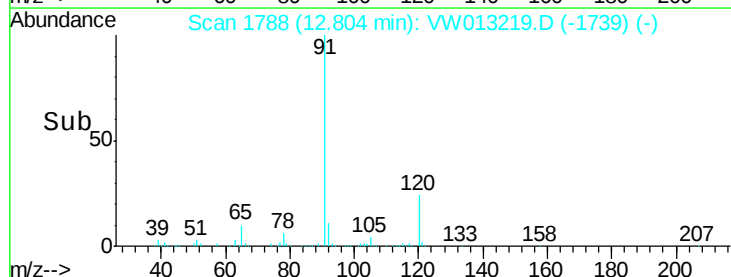
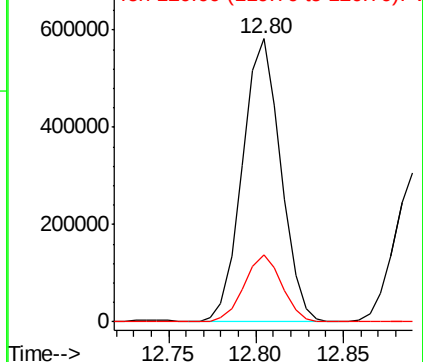
91 100

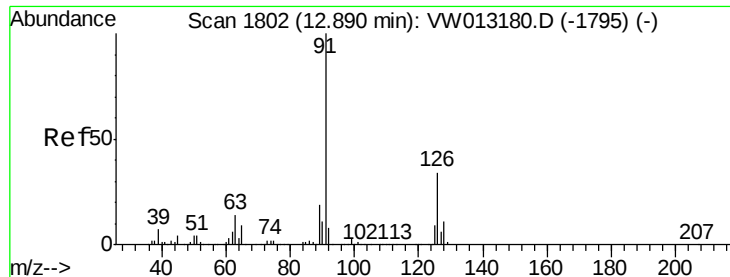
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.134 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

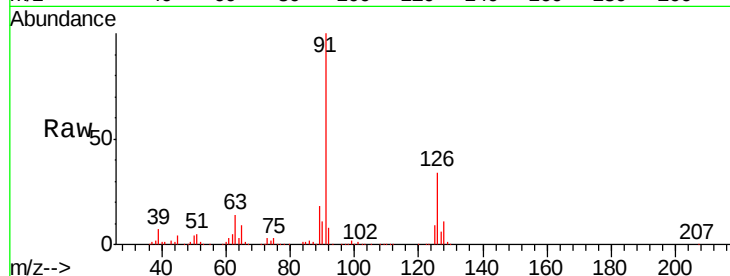
VSTDCCC050EC

Tgt Ion: 91 Resp: 493293

Ion Ratio Lower Upper

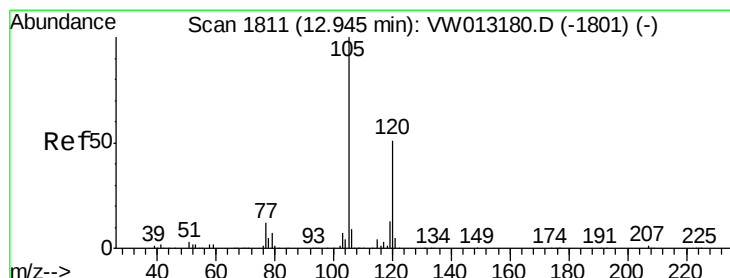
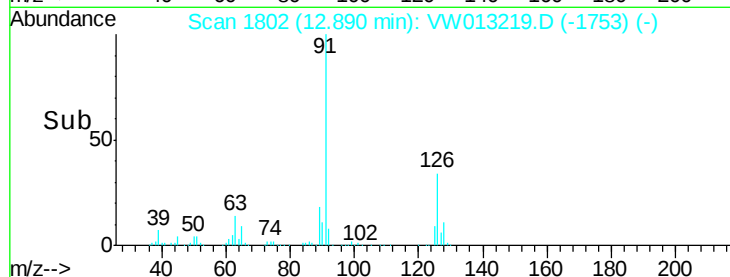
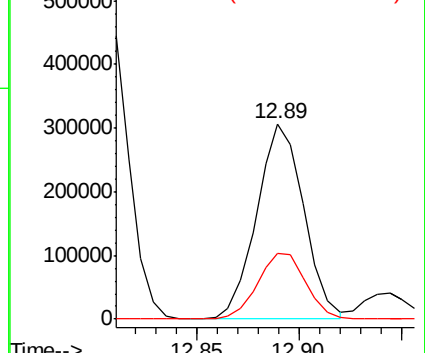
91 100

126 34.6 17.2 51.5



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: 46.319 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013219.D

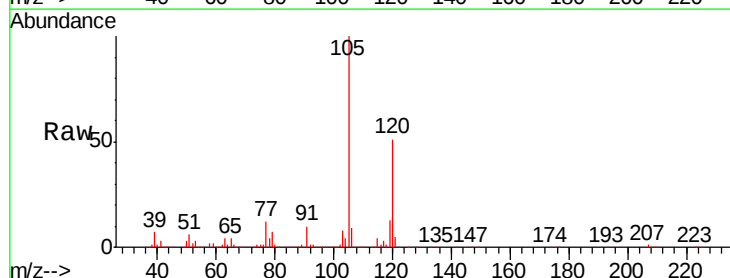
Acq: 21 Sep 2019 07:48

Tgt Ion: 105 Resp: 634860

Ion Ratio Lower Upper

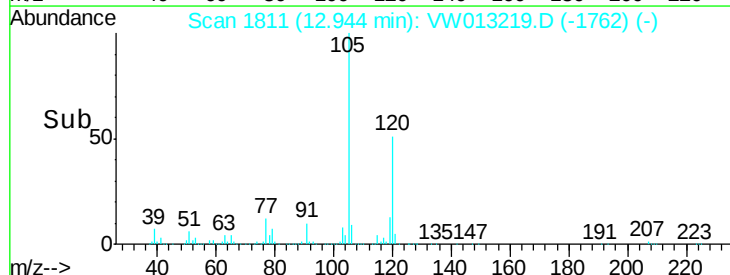
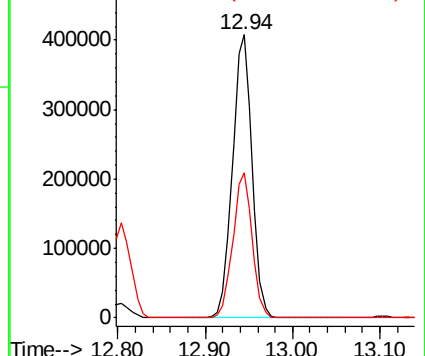
105 100

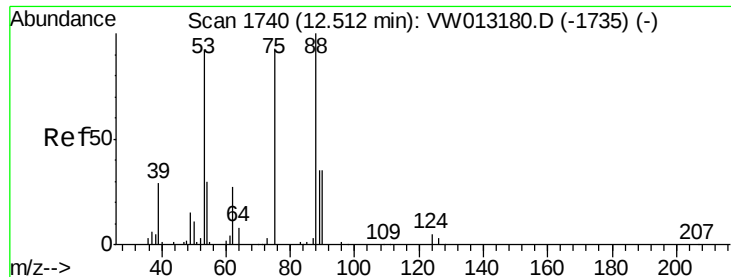
120 50.7 24.9 74.8



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: 45.265 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

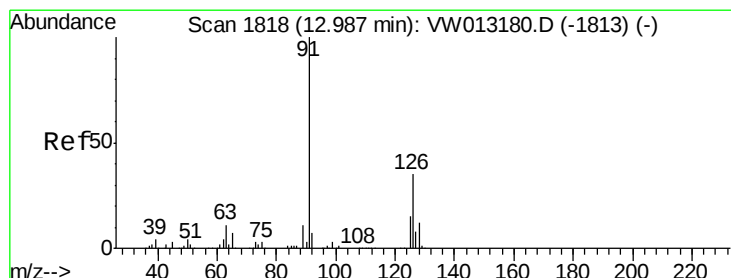
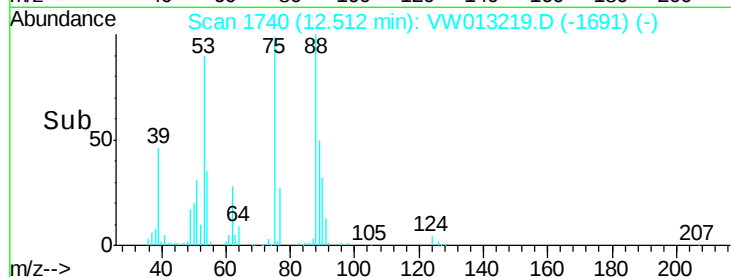
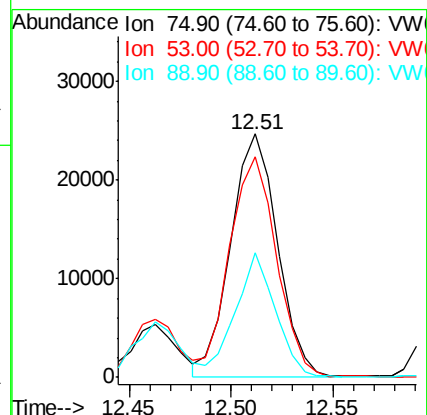
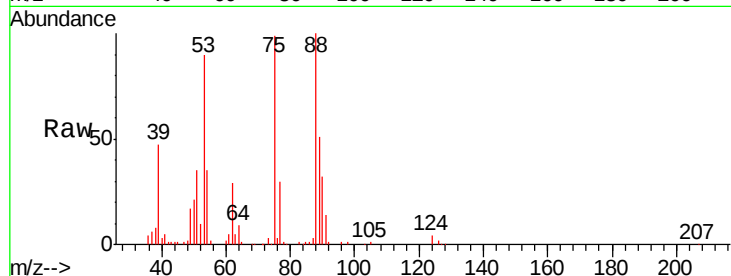
Tgt Ion: 75 Resp: 39322

Ion Ratio Lower Upper

75 100

53 92.2 76.6 114.8

89 43.6 33.5 50.3



#82

4-Chlorotoluene

Concen: 45.957 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013219.D

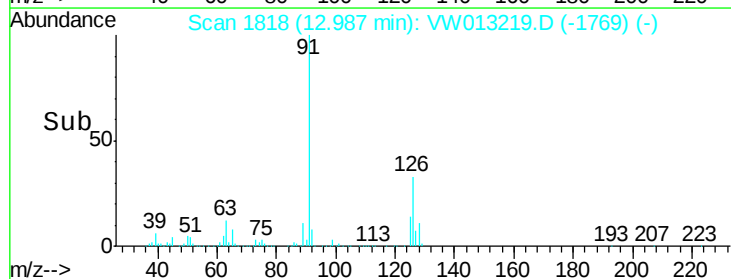
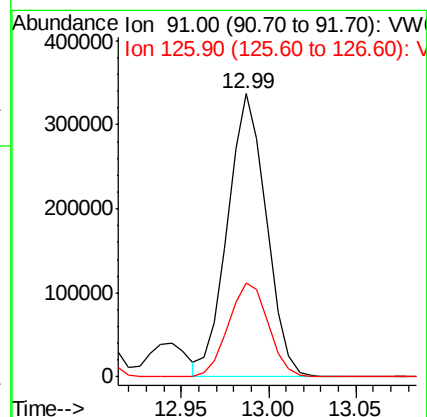
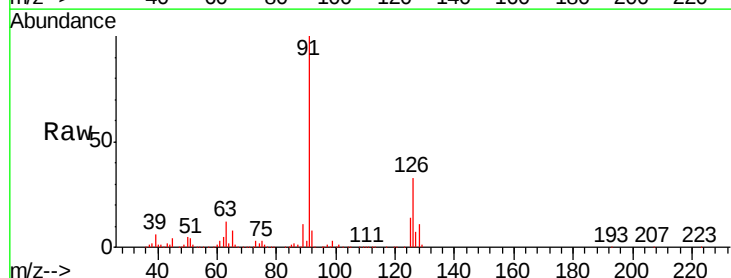
Acq: 21 Sep 2019 07:48

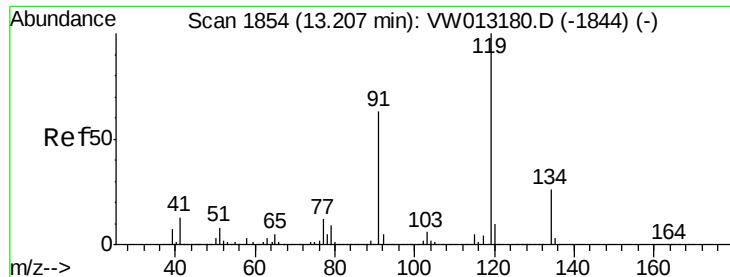
Tgt Ion: 91 Resp: 518198

Ion Ratio Lower Upper

91 100

126 34.2 17.3 51.7

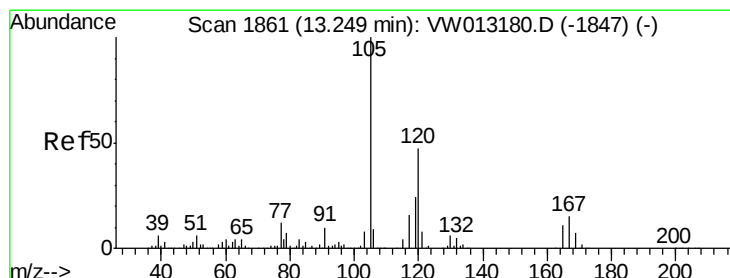
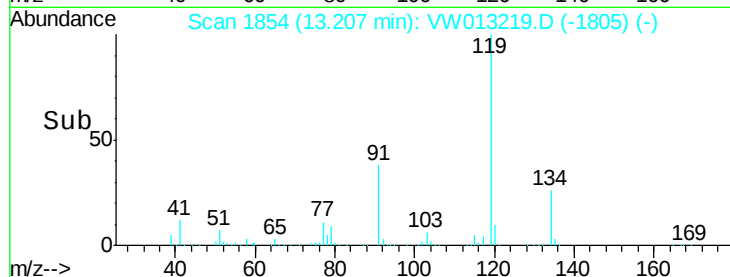
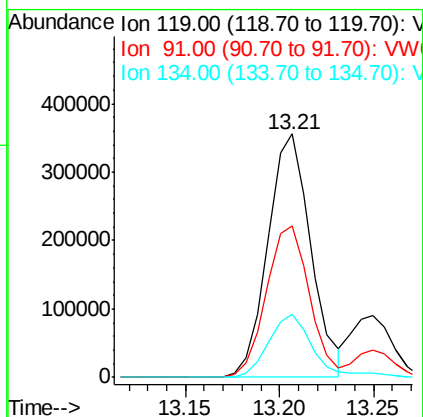
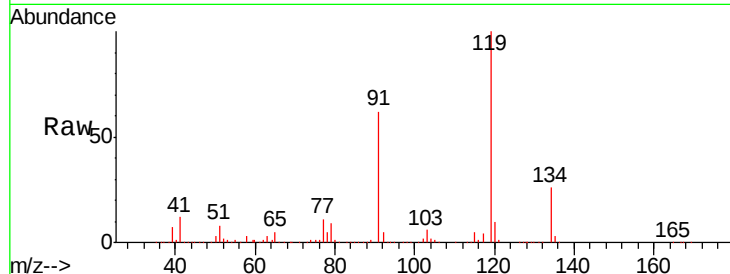




#83
 tert-Butylbenzene
 Concen: 46.853 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

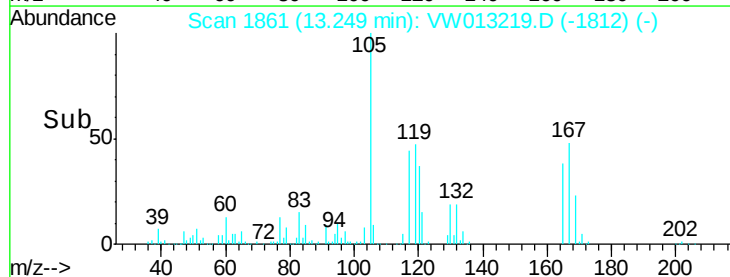
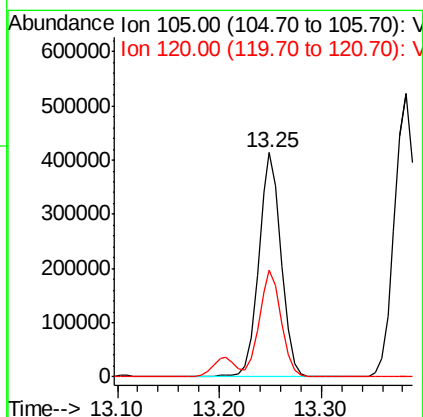
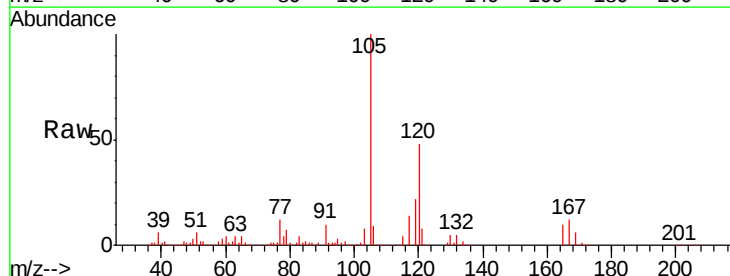
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

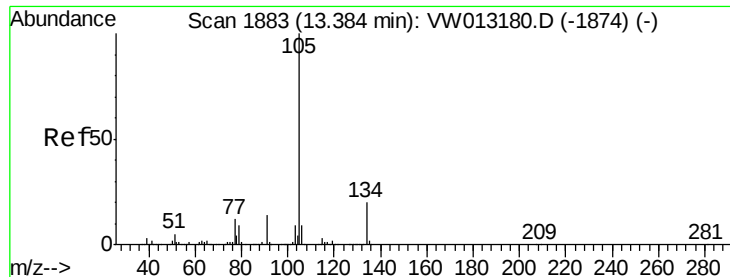
Tgt Ion:119 Resp: 563654
 Ion Ratio Lower Upper
 119 100
 91 62.2 30.7 92.1
 134 26.8 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 46.411 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion:105 Resp: 633003
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.4 70.3

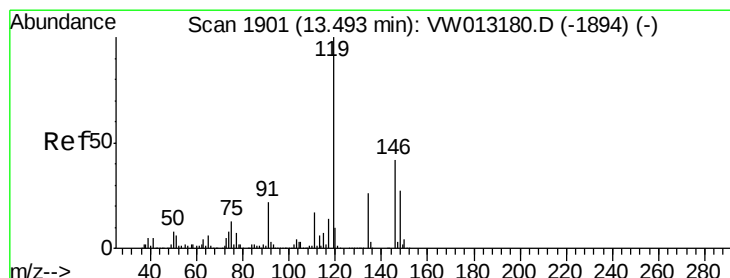
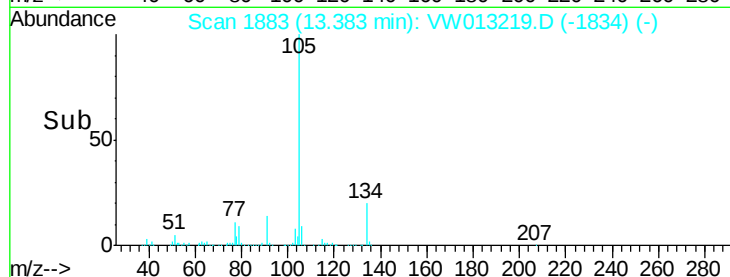
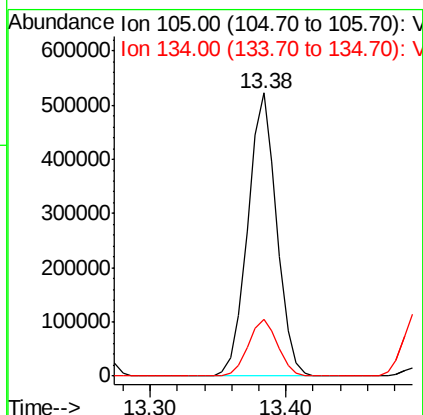
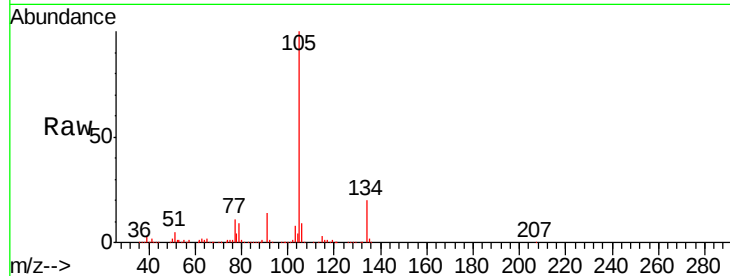




#85
 sec-Butylbenzene
 Concen: 46.738 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

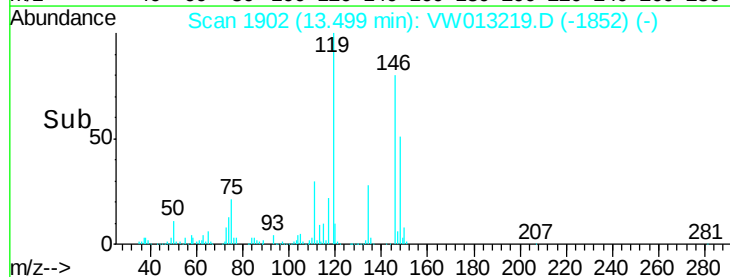
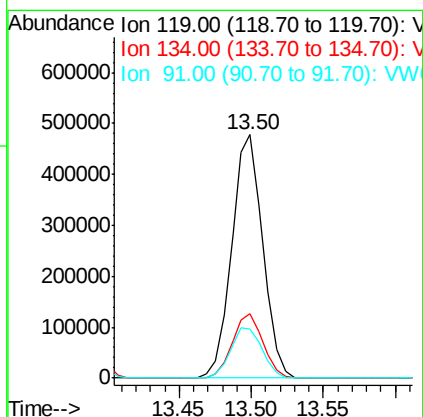
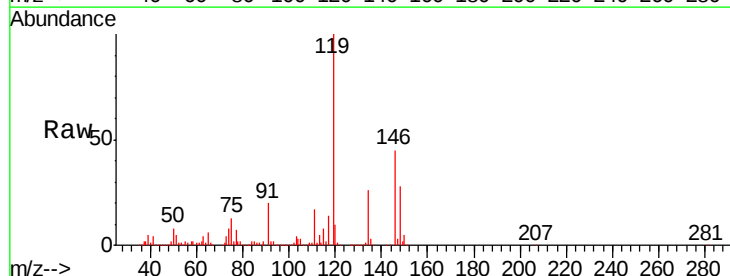
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

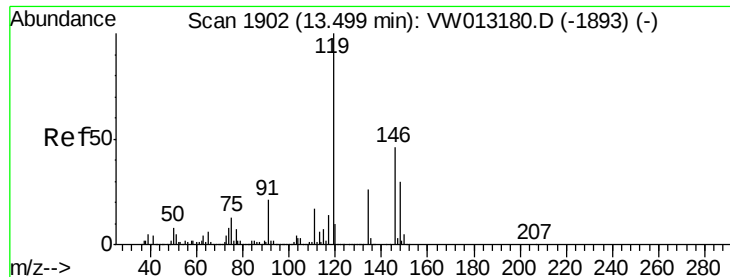
Tgt Ion:105 Resp: 775182
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 46.449 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion:119 Resp: 714555
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 21.5 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 46.044 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

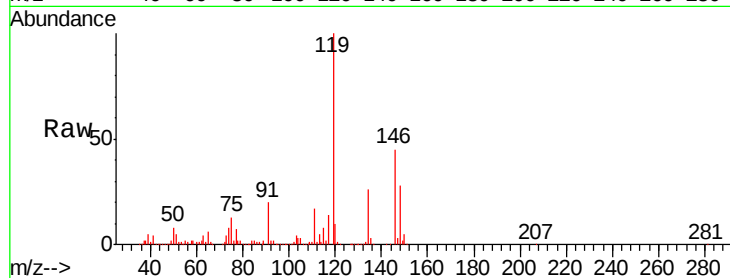
Tgt Ion:146 Resp: 342402

Ion Ratio Lower Upper

146 100

111 37.8 18.9 56.9

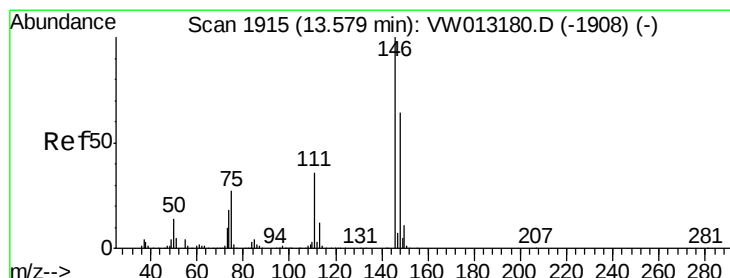
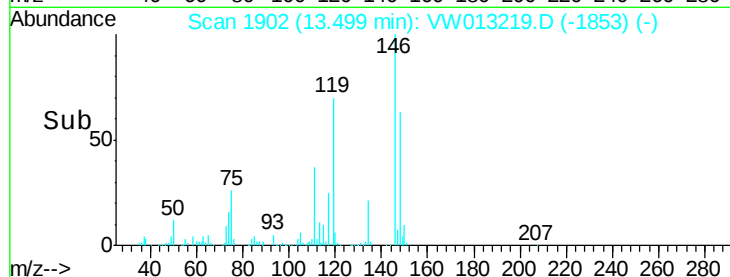
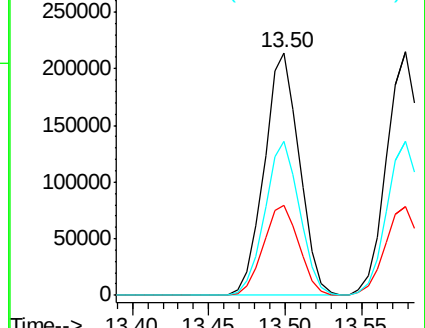
148 62.7 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 45.991 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

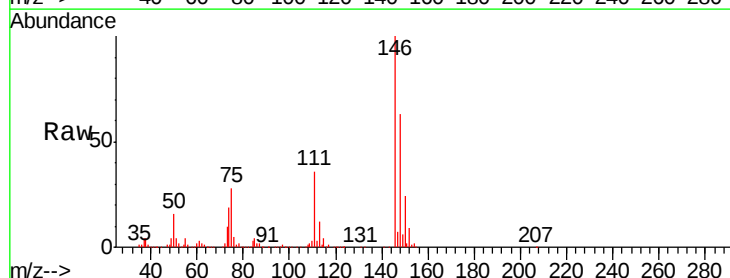
Tgt Ion:146 Resp: 335423

Ion Ratio Lower Upper

146 100

111 37.4 18.4 55.0

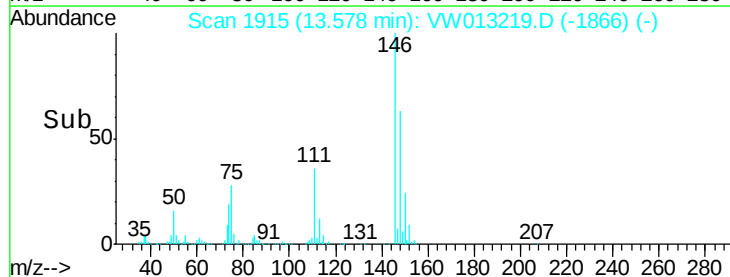
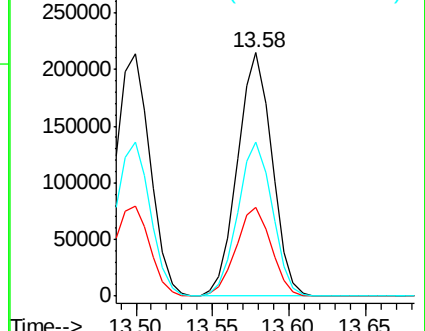
148 63.9 32.1 96.3

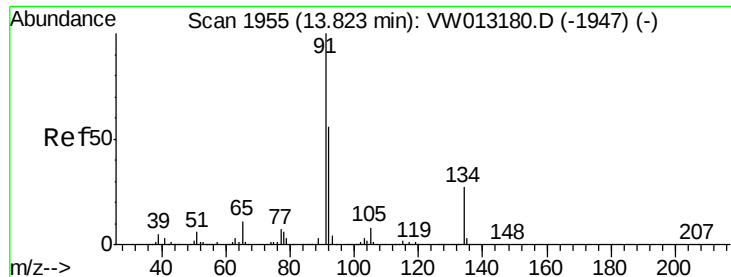


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.090 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

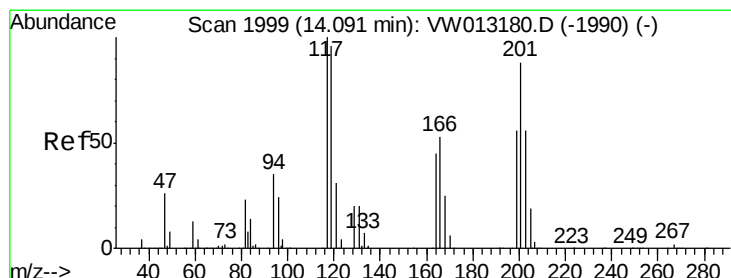
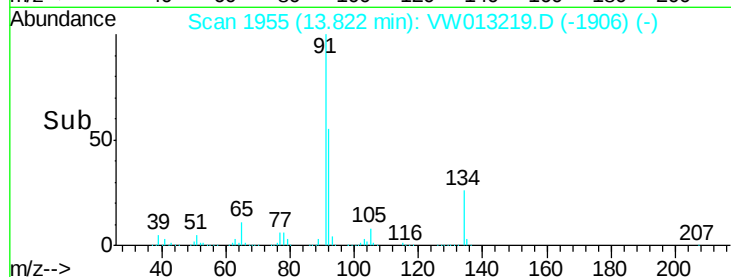
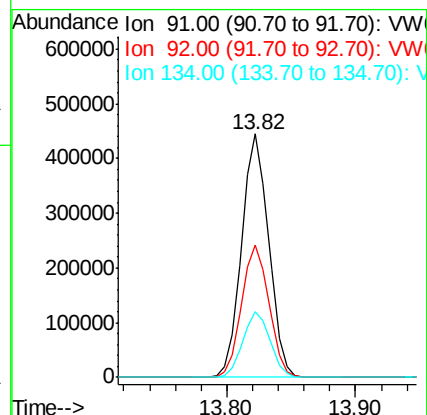
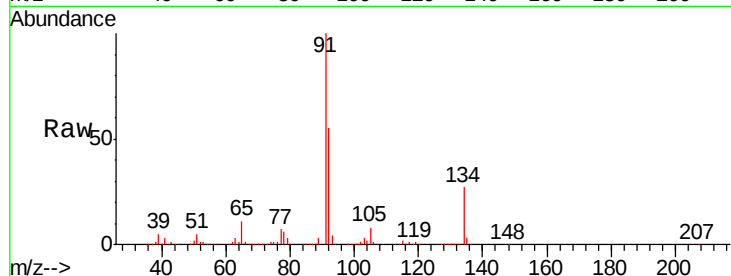
Tgt Ion: 91 Resp: 647407

Ion Ratio Lower Upper

91 100

92 55.0 27.6 82.8

134 27.0 13.7 41.1



#90

Hexachloroethane

Concen: 45.857 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013219.D

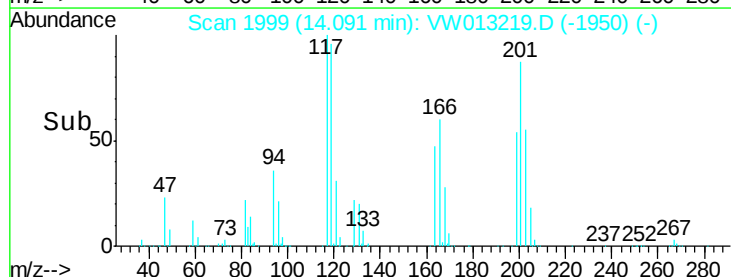
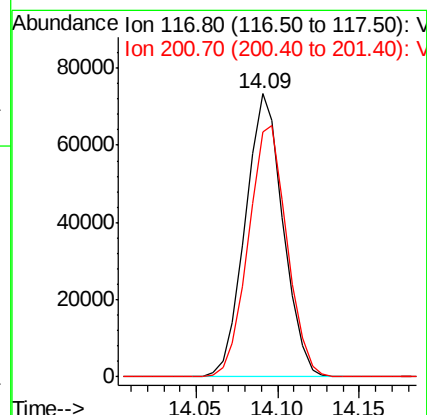
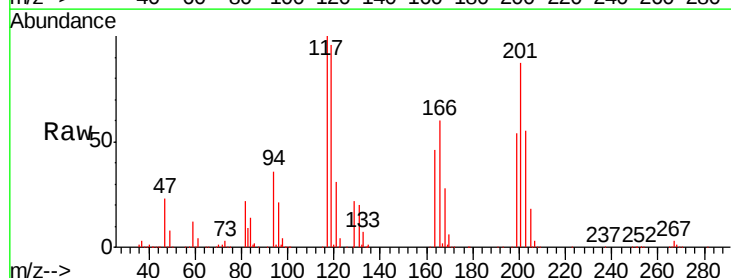
Acq: 21 Sep 2019 07:48

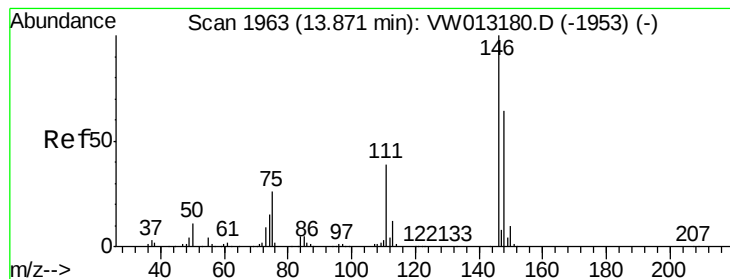
Tgt Ion: 117 Resp: 118509

Ion Ratio Lower Upper

117 100

201 90.3 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 47.293 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

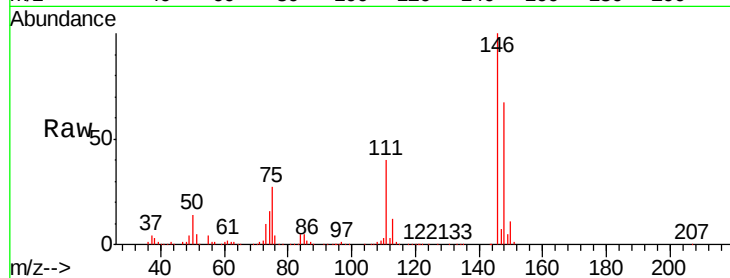
Tgt Ion:146 Resp: 304254

Ion Ratio Lower Upper

146 100

111 38.8 20.1 60.3

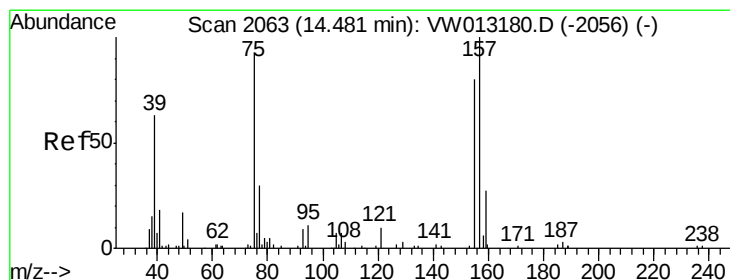
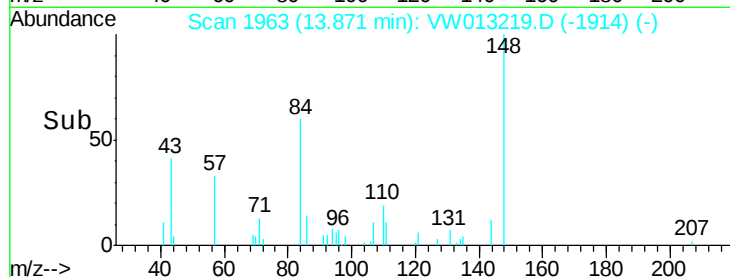
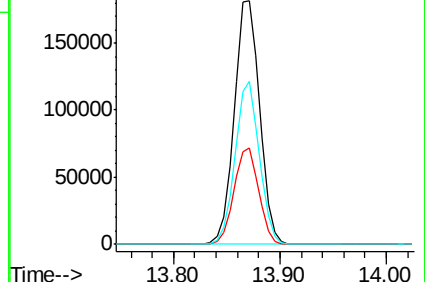
148 64.0 32.0 96.0



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: 49.681 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

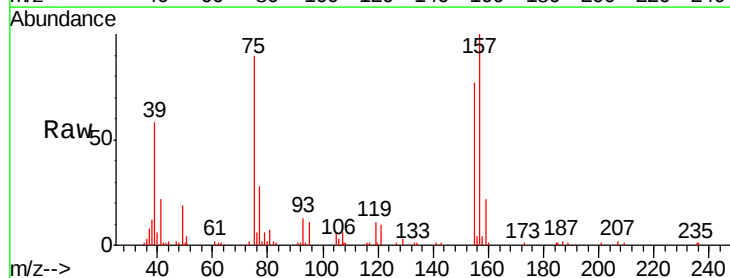
Tgt Ion: 75 Resp: 20722

Ion Ratio Lower Upper

75 100

155 93.9 46.1 138.3

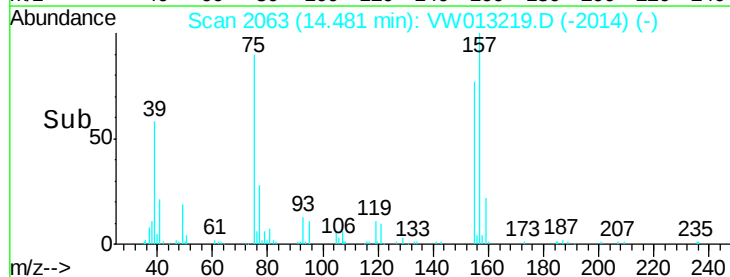
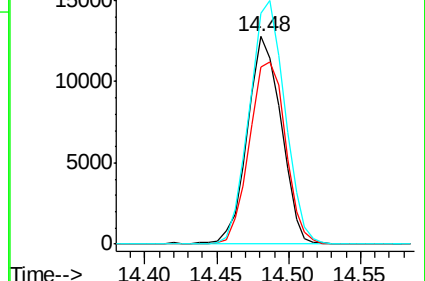
157 122.8 60.4 181.2

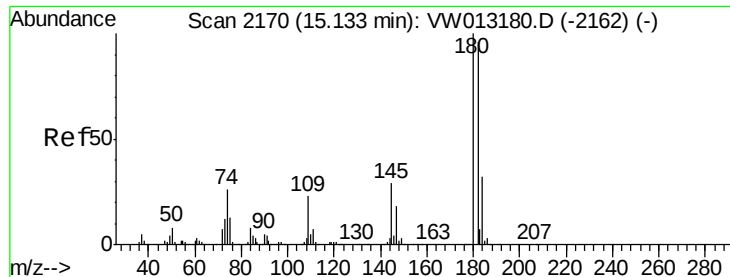


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

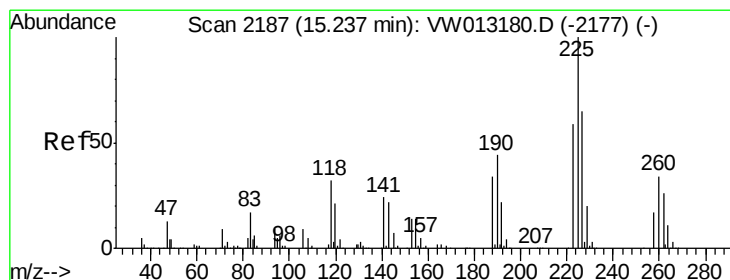
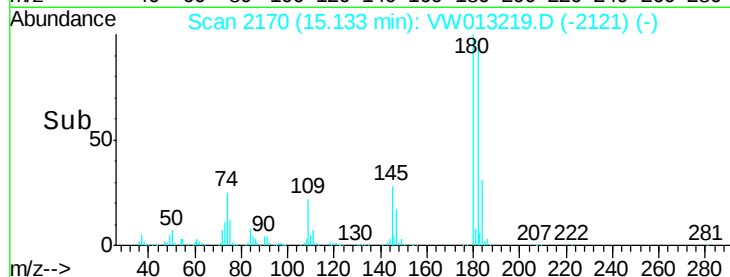
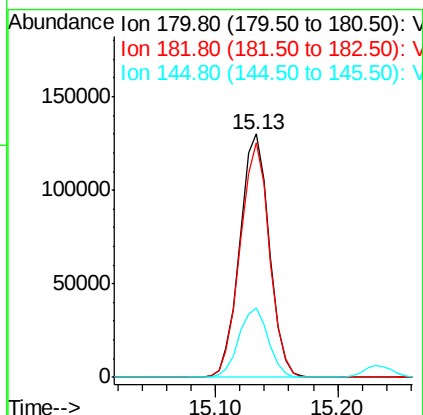
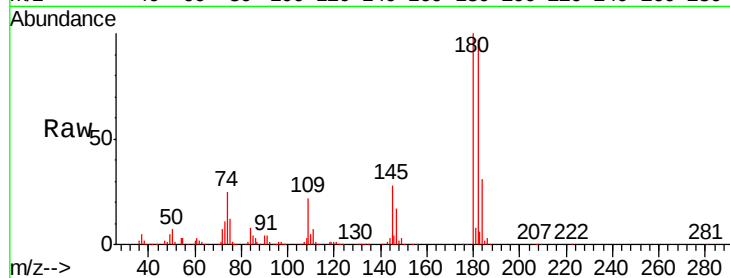




#93
 1,2,4-Trichlorobenzene
 Concen: 47.027 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

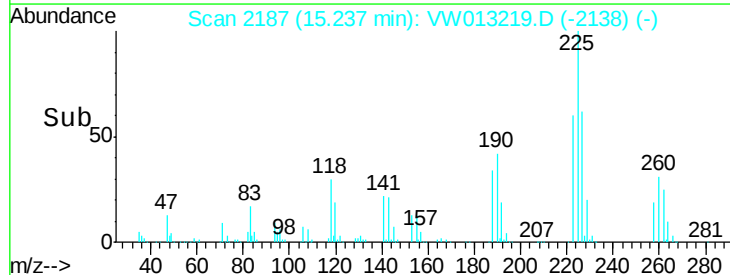
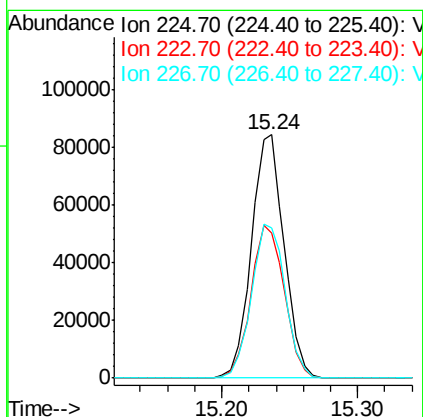
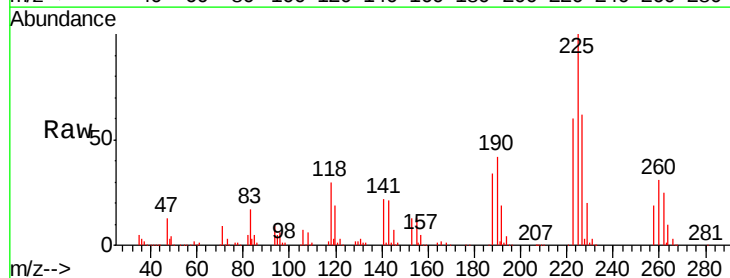
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

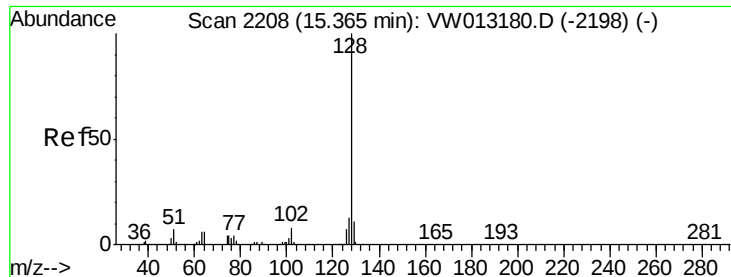
Tgt Ion:180 Resp: 216794
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.3 142.0
 145 28.3 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 44.930 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion:225 Resp: 141706
 Ion Ratio Lower Upper
 225 100
 223 64.2 30.6 91.8
 227 65.4 31.9 95.9





#95

Naphthalene

Concen: 52.179 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

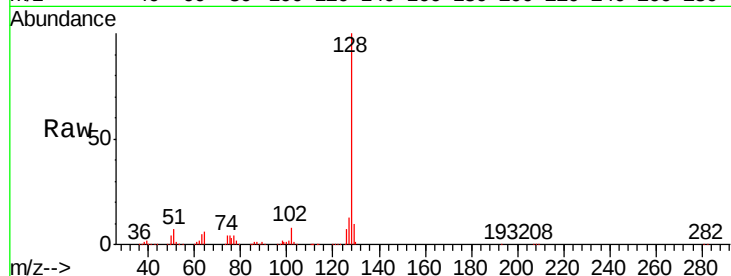
Tgt Ion:128 Resp: 393415

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

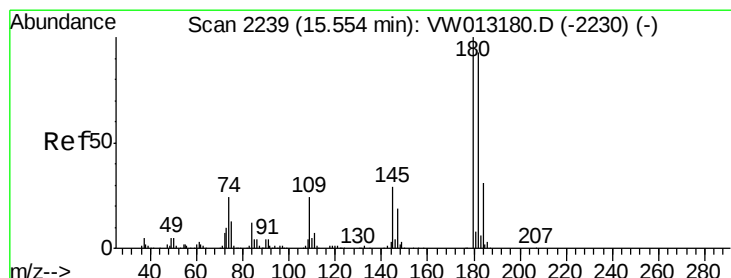
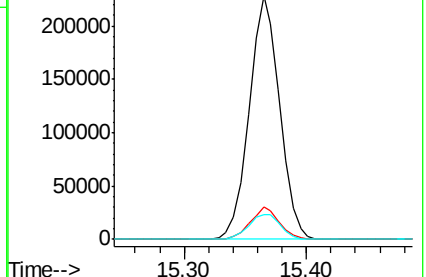
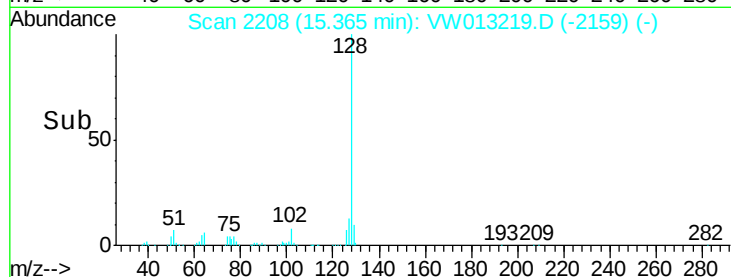
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.751 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

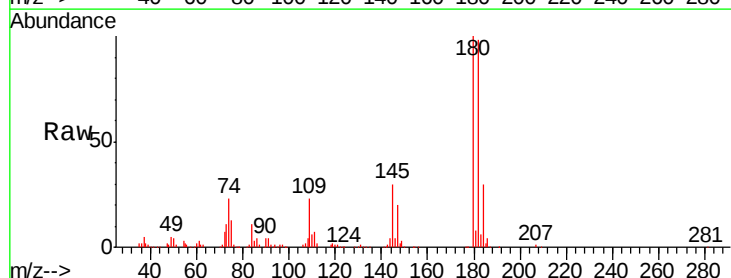
Tgt Ion:180 Resp: 190211

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 30.1 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

