

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013221.D
 Acq On : 23 Sep 2019 10:32
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 24 06:37:08 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	376593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	531578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	459871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	233912	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	155619	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.88	113	158199	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
50) Toluene-d8	10.32	98	656063	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.62	95	221927	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	112926	51.984	ug/l	98
3) Chloromethane	2.21	50	128335	45.958	ug/l	98
4) Vinyl Chloride	2.36	62	179355	49.820	ug/l	99
5) Bromomethane	2.78	94	112971	49.518	ug/l	89
6) Chloroethane	2.92	64	105232	49.590	ug/l	100
7) Trichlorofluoromethane	3.25	101	103500	49.858	ug/l	99
8) Diethyl Ether	3.67	74	85422	48.176	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	171888	50.859	ug/l	99
10) Methyl Iodide	4.27	142	261632	49.931	ug/l	99
11) Tert butyl alcohol	5.20	59	52004	234.413	ug/l	100
12) 1,1-Dichloroethene	4.04	96	178124	50.896	ug/l	99
13) Acrolein	3.89	56	46460	262.590	ug/l	98
14) Allyl chloride	4.67	41	289215	51.925	ug/l	99
15) Acrylonitrile	5.37	53	189066	247.042	ug/l	99
16) Acetone	4.12	43	201777	291.114	ug/l	97
17) Carbon Disulfide	4.38	76	531619	52.555	ug/l	99
18) Methyl Acetate	4.67	43	88995	45.677	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	270264	50.387	ug/l	100
20) Methylene Chloride	4.91	84	179293	50.615	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	191980	50.754	ug/l	99
22) Diisopropyl ether	6.31	45	536476	50.651	ug/l	99
23) Vinyl Acetate	6.25	43	1621159	258.004	ug/l	99
24) 1,1-Dichloroethane	6.21	63	319311	49.961	ug/l	99
25) 2-Butanone	7.17	43	261337	251.168	ug/l	96
26) 2,2-Dichloropropane	7.16	77	199986	52.461	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	200007	50.104	ug/l	99
28) Bromochloromethane	7.51	49	133908	54.590	ug/l	100
29) Tetrahydrofuran	7.53	42	155000	242.910	ug/l	99
30) Chloroform	7.67	83	302401	48.328	ug/l	97
31) Cyclohexane	7.95	56	324975	48.779	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	254190	50.157	ug/l	99
36) 1,1-Dichloropropene	8.08	75	265778	51.621	ug/l	99
37) Ethyl Acetate	7.24	43	109258	49.930	ug/l	99
38) Carbon Tetrachloride	8.07	117	240931	52.201	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	347955	52.588	ug/l	98
40) Benzene	8.32	78	742783	51.721	ug/l	100
41) Methacrylonitrile	7.48	41	74158	56.783	ug/l	93
42) 1,2-Dichloroethane	8.40	62	194623	50.413	ug/l	99
43) Isopropyl Acetate	8.42	43	212588	50.690	ug/l	98
44) Trichloroethene	9.09	130	205789	51.073	ug/l	97
45) 1,2-Dichloropropane	9.37	63	178012	50.771	ug/l	97
46) Dibromomethane	9.46	93	84995	49.931	ug/l	97
47) Bromodichloromethane	9.64	83	225023	51.951	ug/l	96
48) Methyl methacrylate	9.43	41	107411	54.466	ug/l	94
49) 1,4-Dioxane	9.46	88	23459	918.094	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	526539	250.436	ug/l	98
52) Toluene	10.38	92	475575	51.670	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	235561	52.934	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	287434	53.123	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	129644	50.954	ug/l	99
56) Ethyl methacrylate	10.65	69	175806	52.798	ug/l	99
57) 1,3-Dichloropropane	10.93	76	226499	51.014	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	417941	271.122	ug/l	100
59) 2-Hexanone	10.97	43	396011	273.771	ug/l	100
60) Dibromochloromethane	11.13	129	155028	53.661	ug/l	100
61) 1,2-Dibromoethane	11.23	107	123820	51.184	ug/l	100
64) Tetrachloroethene	10.86	164	179827	51.538	ug/l	98
65) Chlorobenzene	11.66	112	483907	50.391	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	171066	52.143	ug/l	99
67) Ethyl Benzene	11.73	91	902348	51.860	ug/l	99
68) m/p-Xylenes	11.84	106	690721	104.176	ug/l	99
69) o-Xylene	12.16	106	319364	51.808	ug/l	98
70) Styrene	12.18	104	557947	52.721	ug/l	100
71) Bromoform	12.35	173	92001	53.081	ug/l #	100
73) Isopropylbenzene	12.46	105	899231	52.041	ug/l	99
74) N-amyl acetate	12.27	43	197483	51.505	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	145568	50.373	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	186571	90.316	ug/l #	100
77) Bromobenzene	12.74	156	208152	50.834	ug/l	99
78) n-propylbenzene	12.80	91	1055336	52.177	ug/l	100
79) 2-Chlorotoluene	12.89	91	585774	51.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	748913	51.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	49469	53.735	ug/l	96
82) 4-Chlorotoluene	12.99	91	610881	51.123	ug/l	100
83) tert-Butylbenzene	13.21	119	663400	52.036	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	743483	51.439	ug/l	99
85) sec-Butylbenzene	13.38	105	916573	52.147	ug/l	100
86) p-Isopropyltoluene	13.50	119	850101	52.146	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	401223	50.913	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	397964	51.491	ug/l	100
89) n-Butylbenzene	13.82	91	791354	53.162	ug/l	100
90) Hexachloroethane	14.09	117	147461	53.844	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	352966	51.772	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22237	50.308	ug/l	98

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QLast Update : Fri Sep 20 15:58:08 2019
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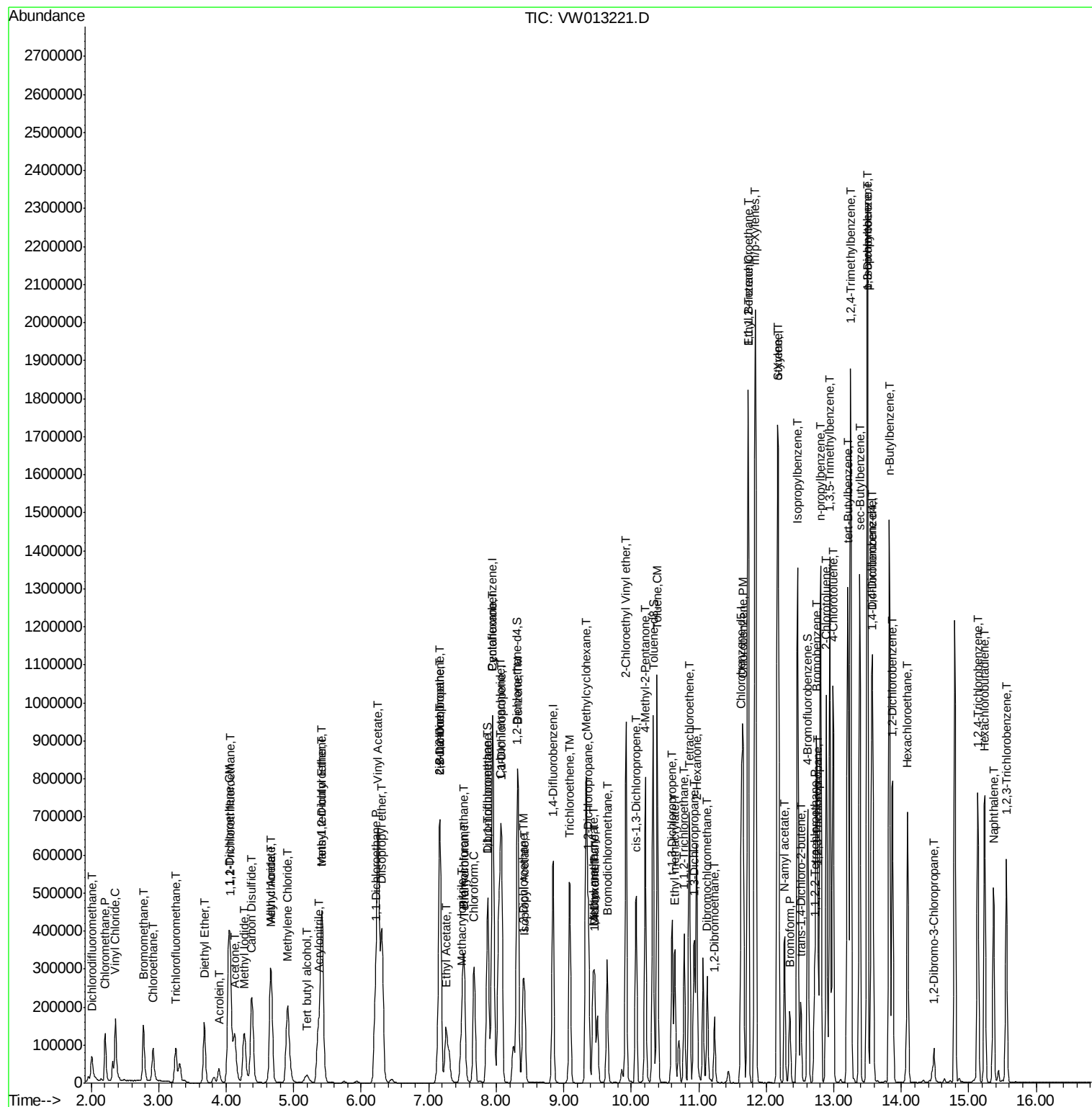
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	266553	54.561	ug/l	99
94) Hexachlorobutadiene	15.24	225	170849	51.117	ug/l	99
95) Naphthalene	15.36	128	444699	55.656	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	228694	54.176	ug/l	99

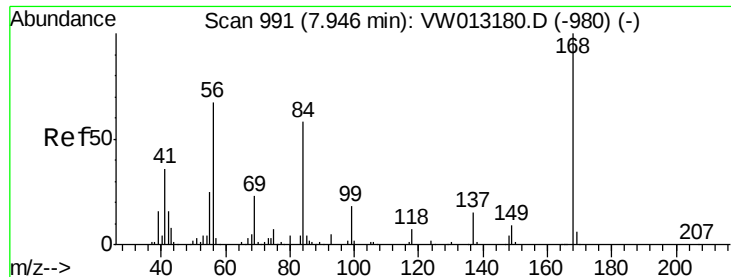
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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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: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

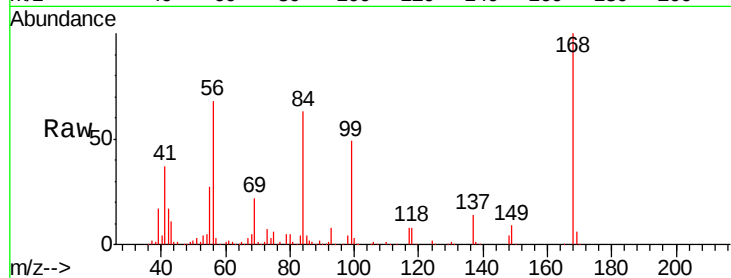
VSTDCCC050

Tgt Ion:168 Resp: 376593

Ion Ratio Lower Upper

168 100

99 48.5 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

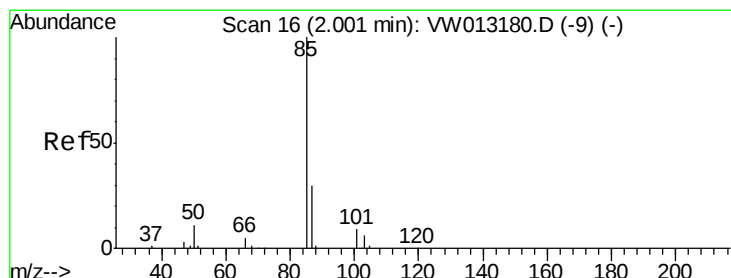
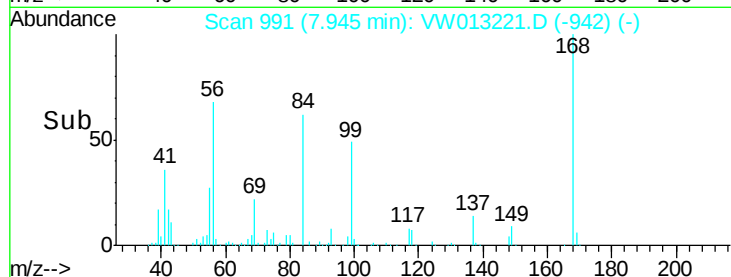
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 51.984 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013221.D

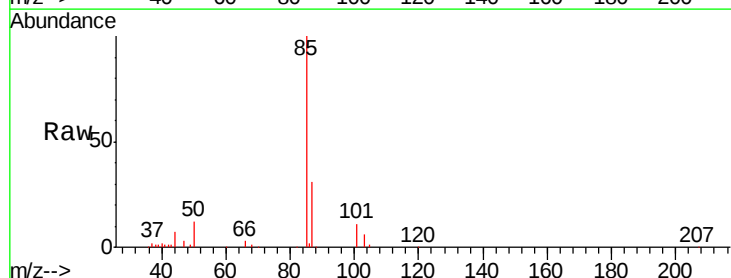
Acq: 23 Sep 2019 10:32

Tgt Ion: 85 Resp: 112926

Ion Ratio Lower Upper

85 100

87 31.5 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

40000

30000

20000

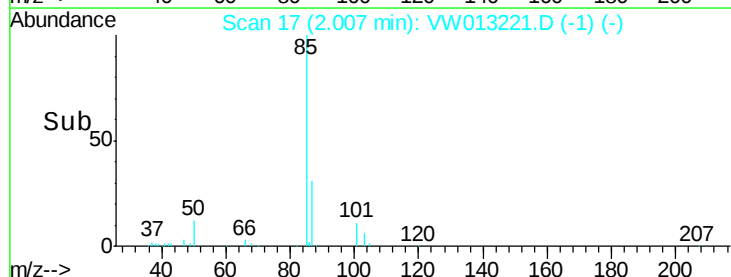
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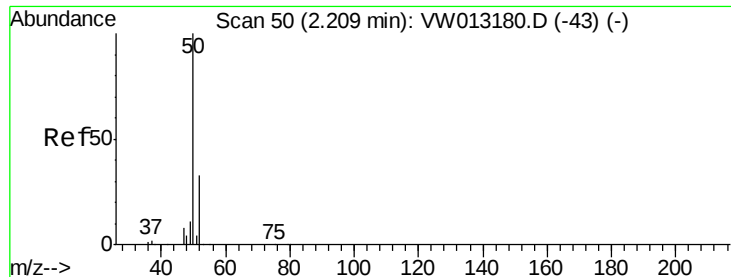
0

2.00

2.20

Time-->





#3

Chloromethane

Concen: 45.958 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

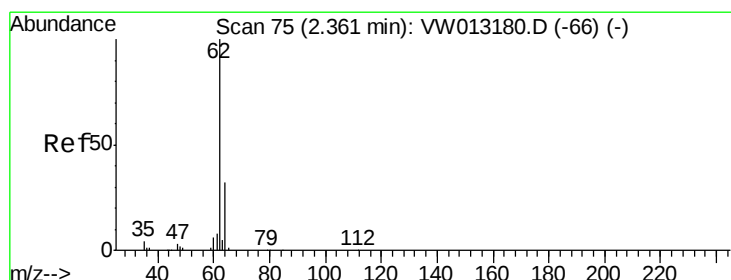
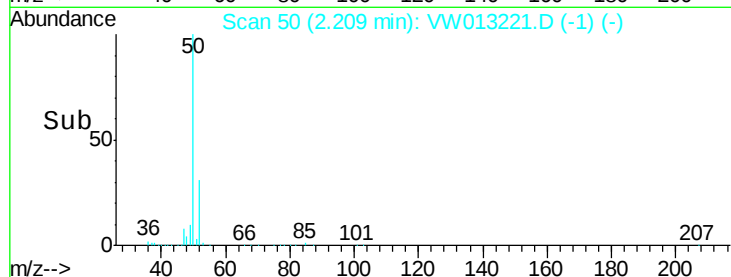
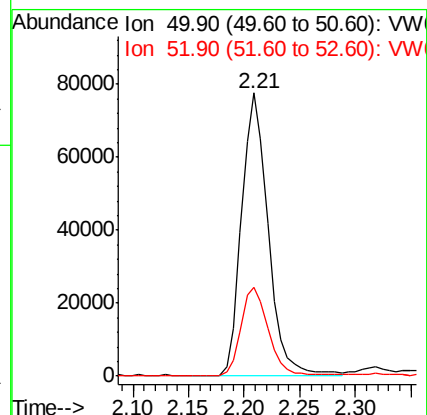
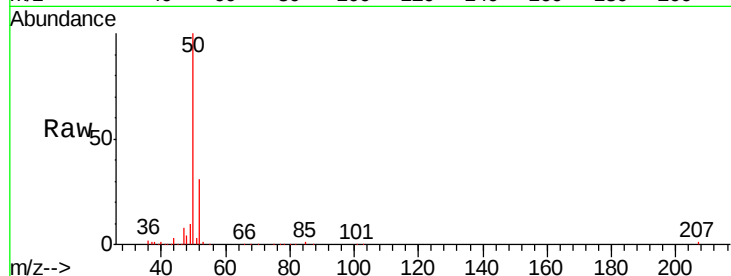
VSTDCCC050

Tgt Ion: 50 Resp: 128335

Ion Ratio Lower Upper

50 100

52 31.3 26.1 39.1



#4

Vinyl Chloride

Concen: 49.820 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013221.D

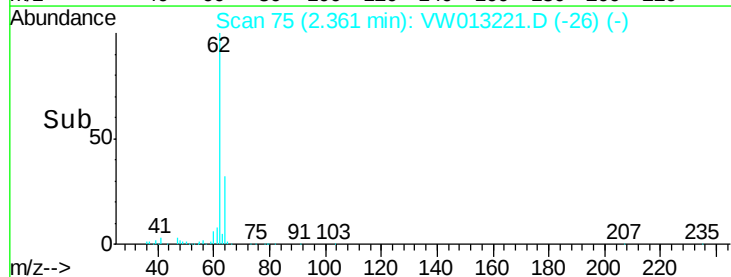
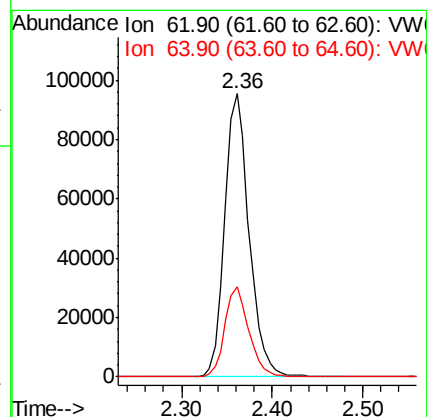
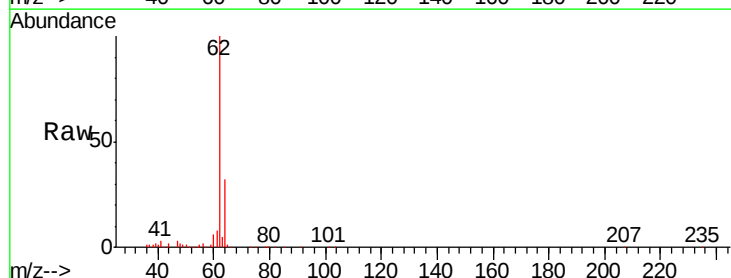
Acq: 23 Sep 2019 10:32

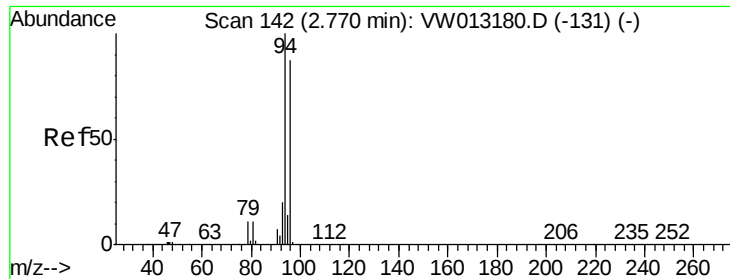
Tgt Ion: 62 Resp: 179355

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 49.518 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

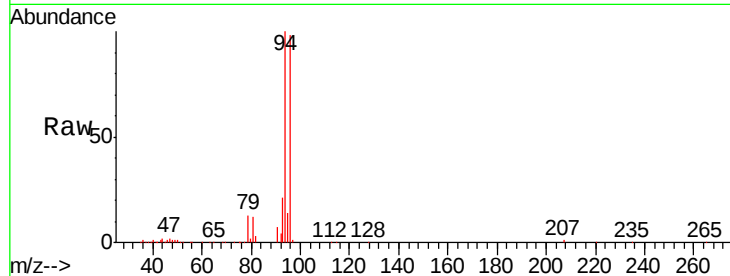
VSTDCCC050

Tgt Ion: 94 Resp: 112971

Ion Ratio Lower Upper

94 100

96 97.7 69.7 104.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

60000

50000

40000

30000

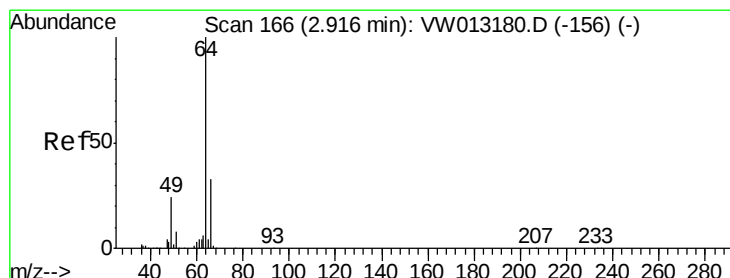
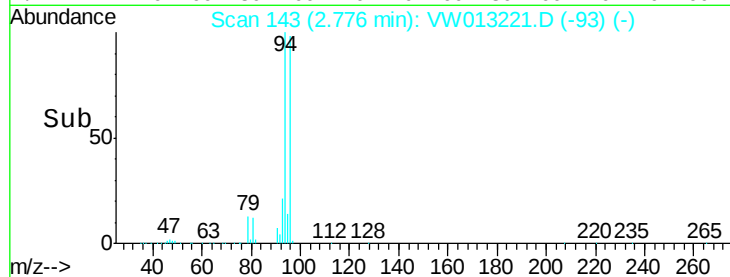
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 49.590 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013221.D

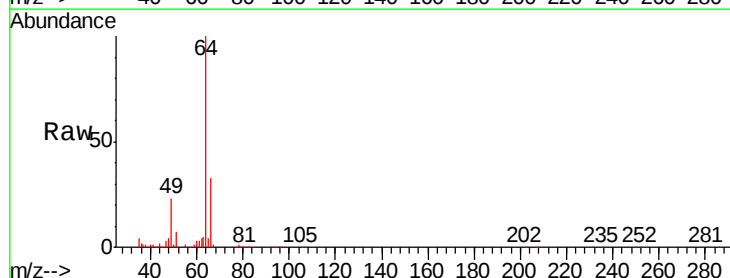
Acq: 23 Sep 2019 10:32

Tgt Ion: 64 Resp: 105232

Ion Ratio Lower Upper

64 100

66 33.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

50000

40000

30000

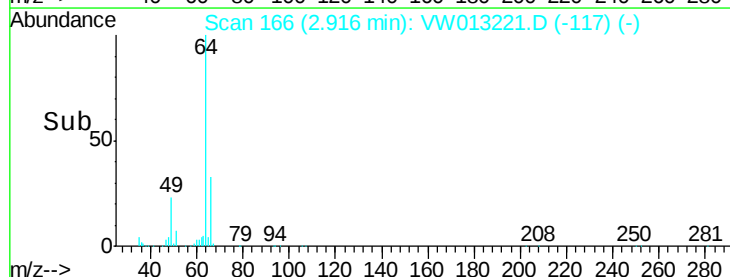
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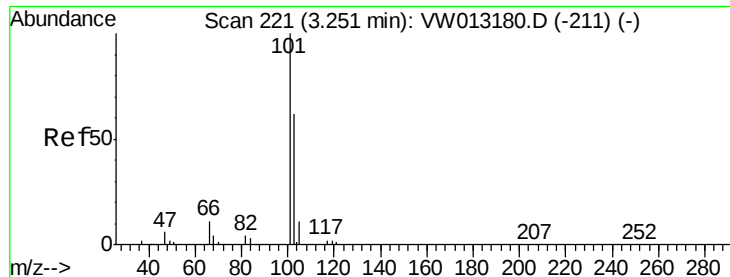
10000

0

Time-->

2.80 2.90 3.00



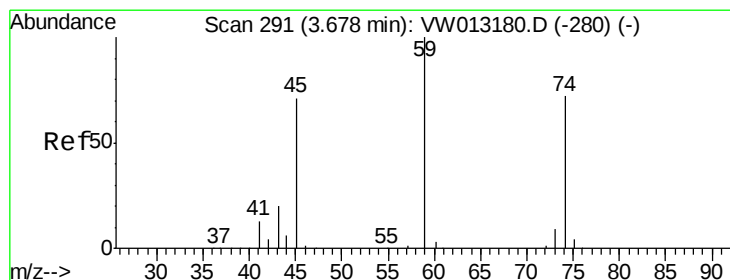
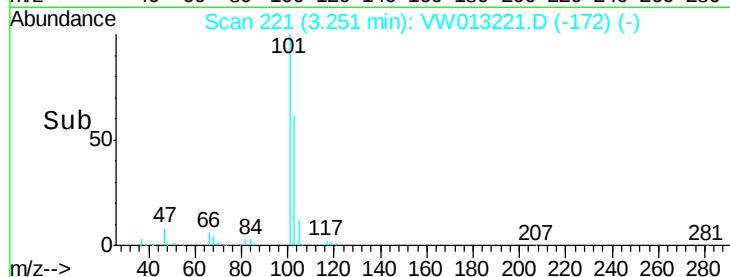
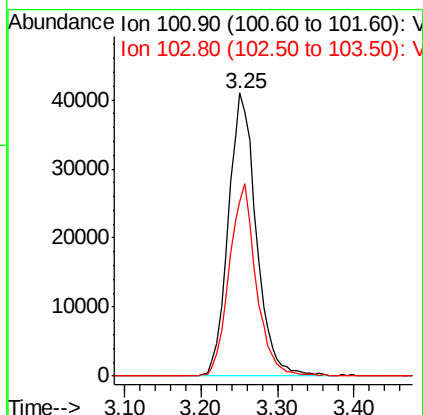
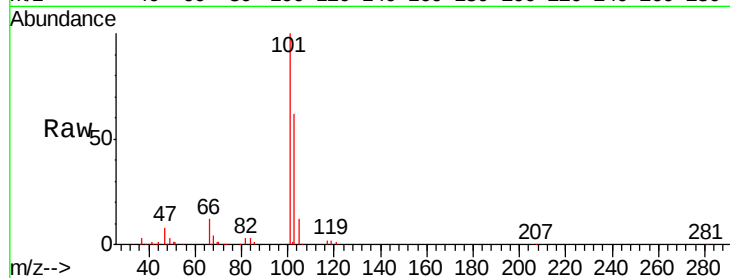


#7

Trichlorofluoromethane
 Concen: 49.858 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
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 VSTDCCC050

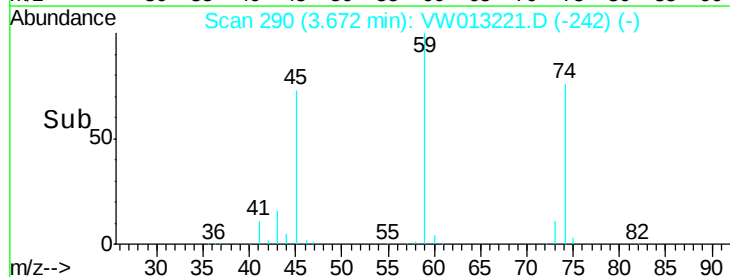
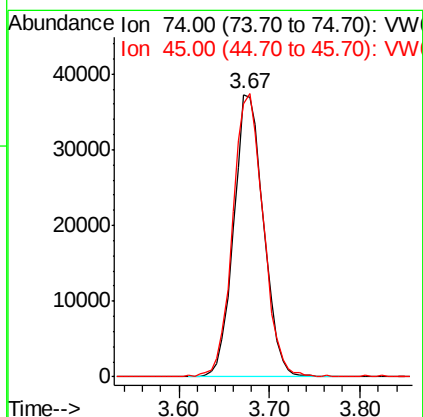
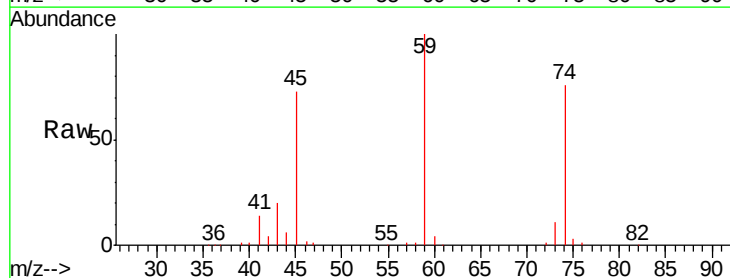
Tgt Ion: 101 Resp: 103500
 Ion Ratio Lower Upper
 101 100
 103 61.6 49.7 74.5

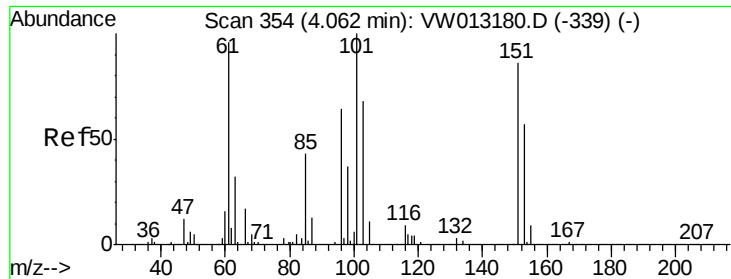


#8

Diethyl Ether
 Concen: 48.176 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion: 74 Resp: 85422
 Ion Ratio Lower Upper
 74 100
 45 103.2 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.859 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

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VSTDCCC050

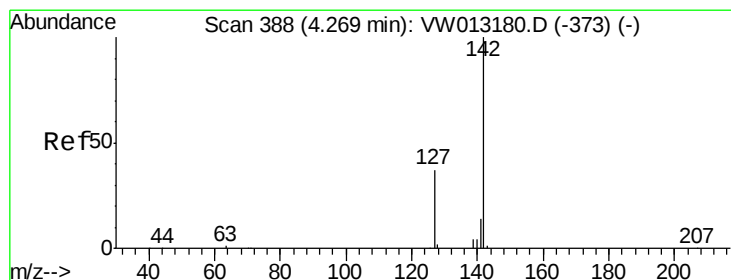
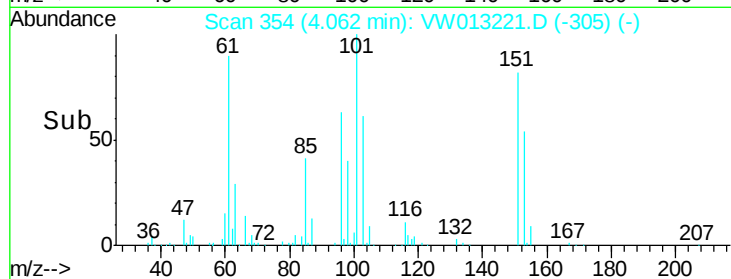
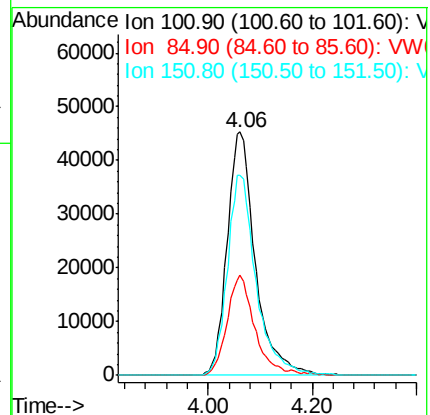
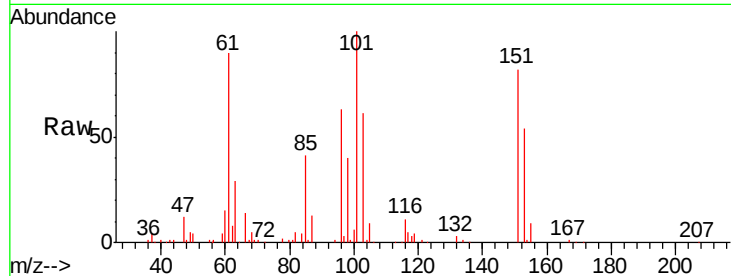
Tgt Ion:101 Resp: 171888

Ion Ratio Lower Upper

101 100

85 40.8 33.4 50.0

151 84.1 66.9 100.3



#10

Methyl Iodide

Concen: 49.931 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

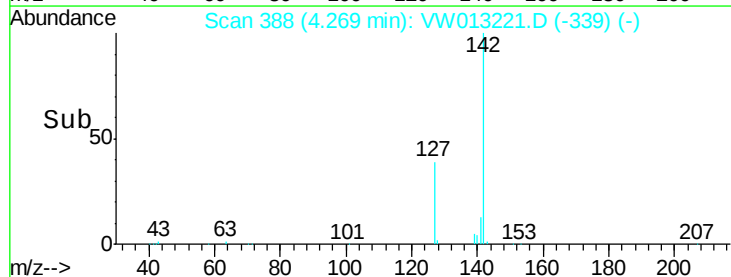
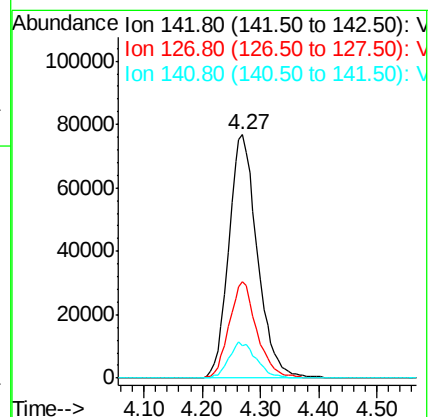
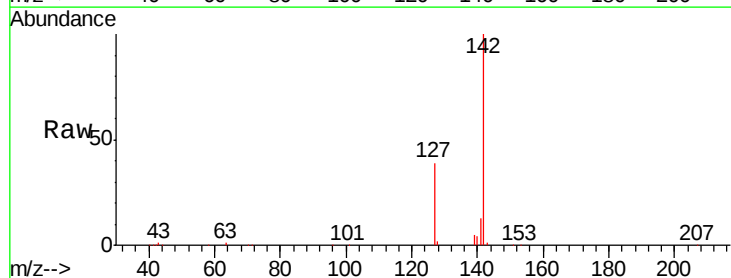
Tgt Ion:142 Resp: 261632

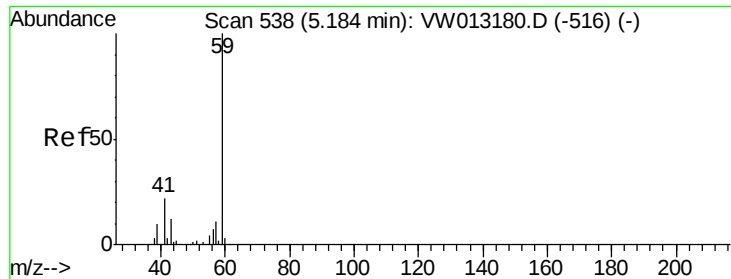
Ion Ratio Lower Upper

142 100

127 38.2 30.9 46.3

141 14.4 11.7 17.5

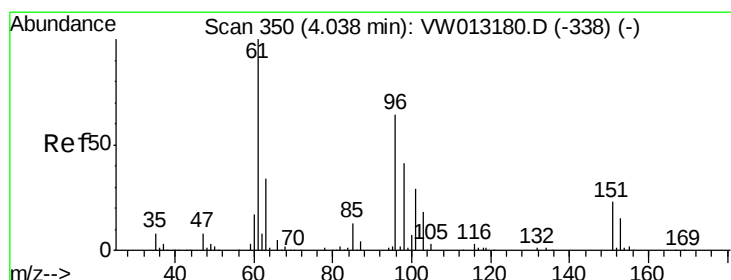
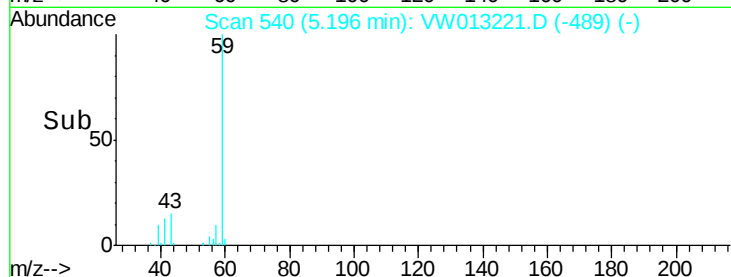
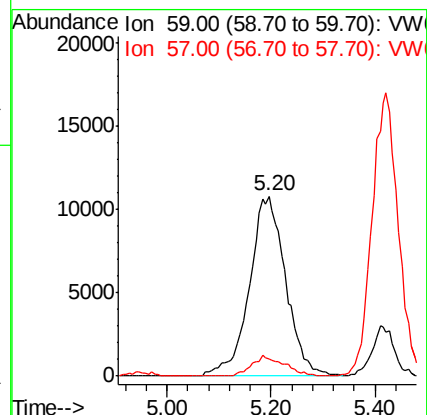
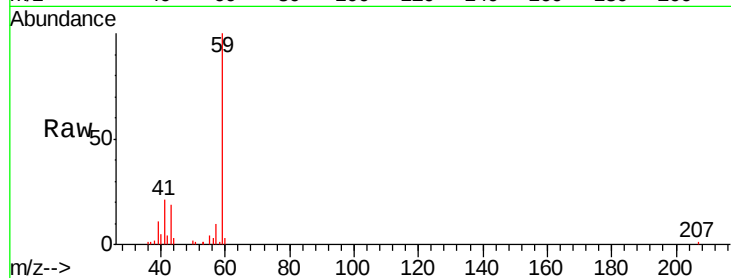




#11
Tert butyl alcohol
Concen: 234.413 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

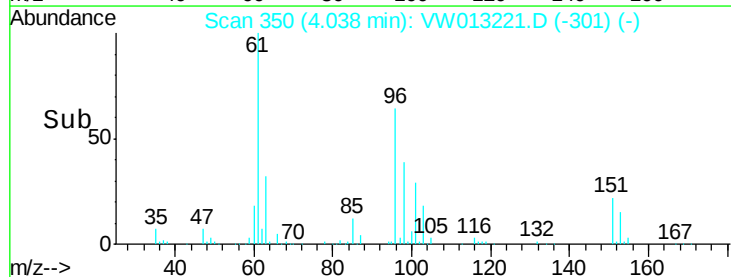
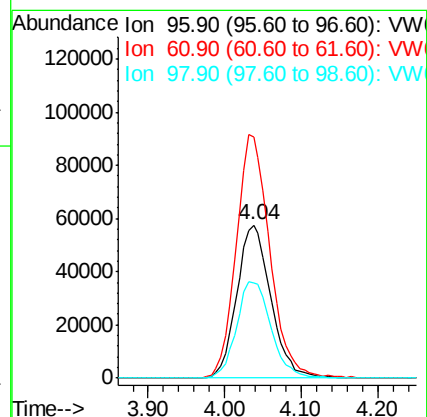
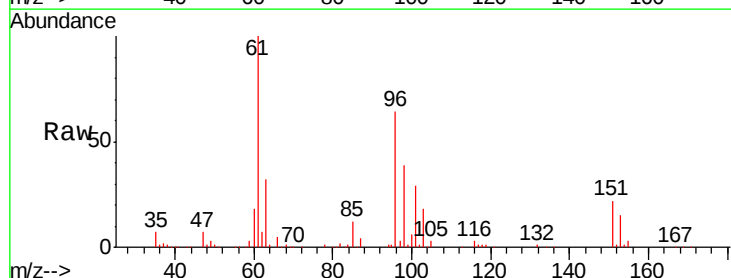
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

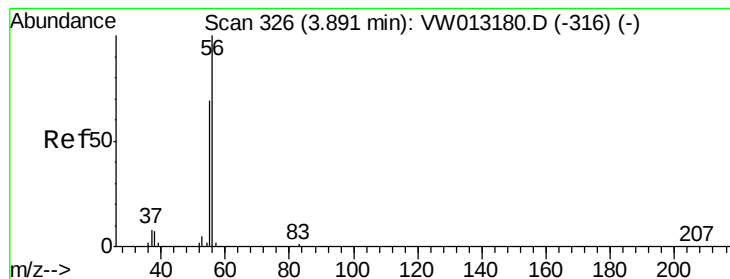
Tgt Ion: 59 Resp: 52004
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 50.896 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 96 Resp: 178124
Ion Ratio Lower Upper
96 100
61 157.3 125.1 187.7
98 61.9 50.8 76.2





#13

Acrolein

Concen: 262.590 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

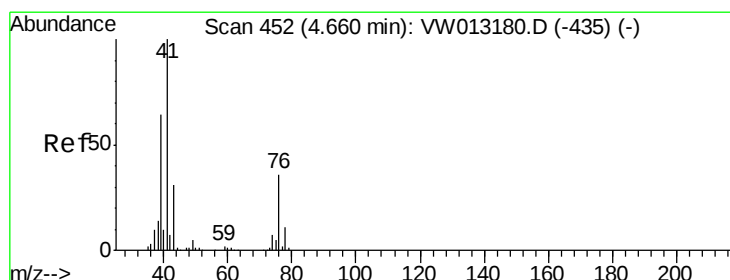
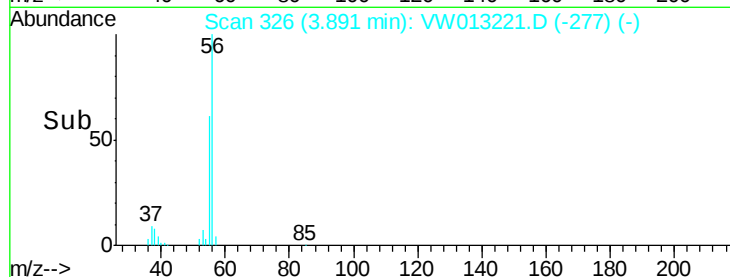
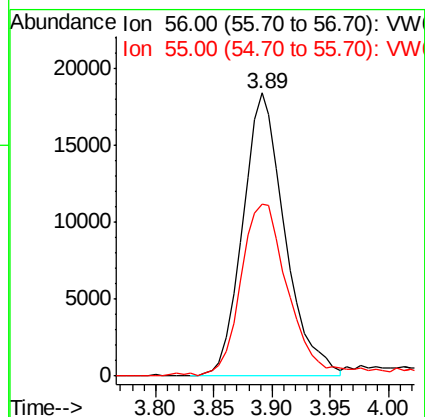
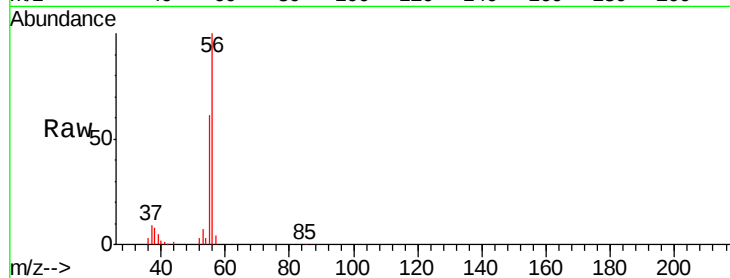
VSTDCCC050

Tgt Ion: 56 Resp: 46460

Ion Ratio Lower Upper

56 100

55 67.9 55.4 83.0



#14

Allyl chloride

Concen: 51.925 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

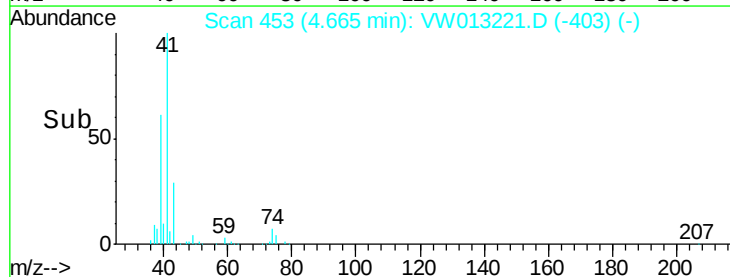
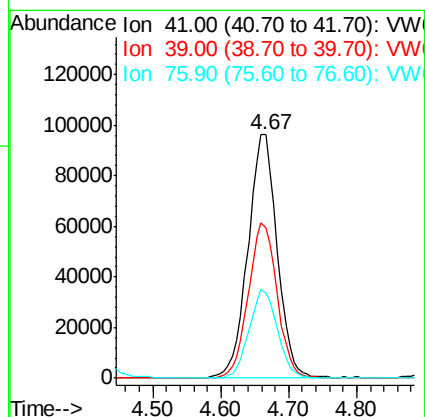
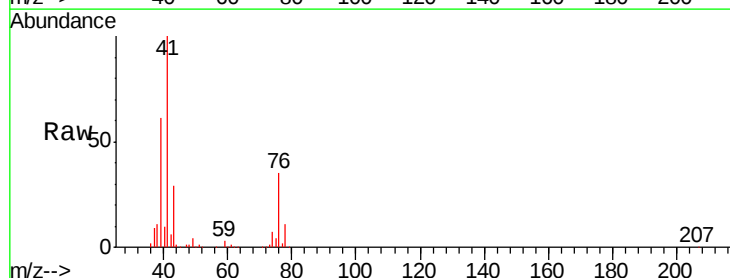
Tgt Ion: 41 Resp: 289215

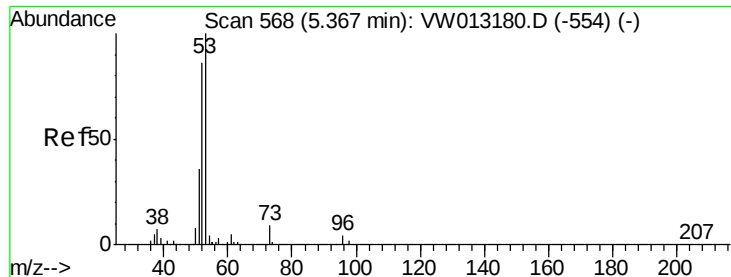
Ion Ratio Lower Upper

41 100

39 62.8 51.0 76.4

76 35.3 28.4 42.6





#15

Acrylonitrile

Concen: 247.042 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

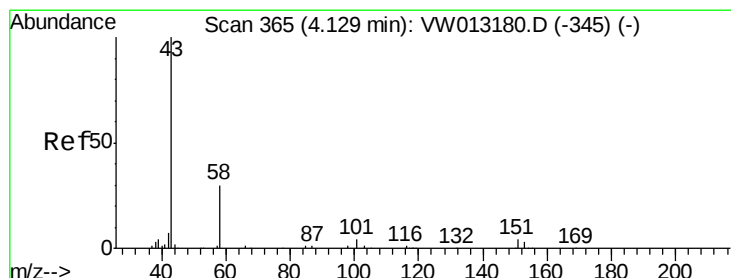
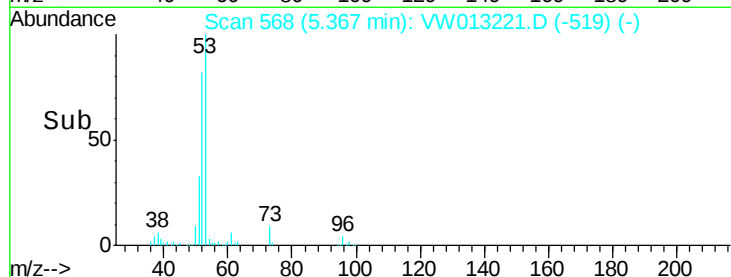
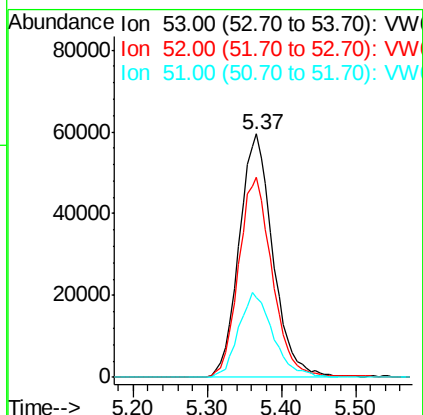
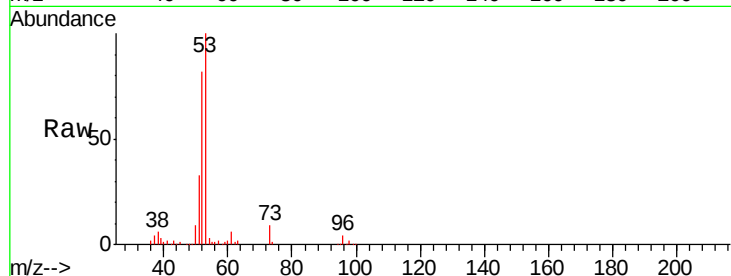
Tgt Ion: 53 Resp: 189066

Ion Ratio Lower Upper

53 100

52 82.1 65.3 97.9

51 35.6 29.0 43.4



#16

Acetone

Concen: 291.114 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013221.D

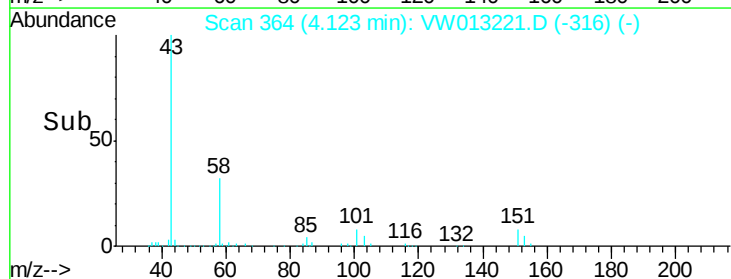
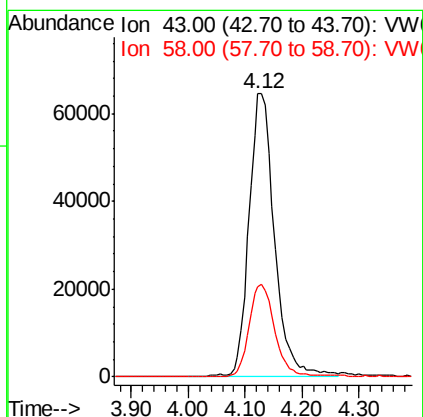
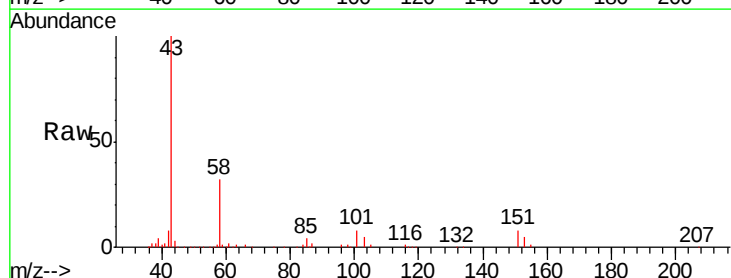
Acq: 23 Sep 2019 10:32

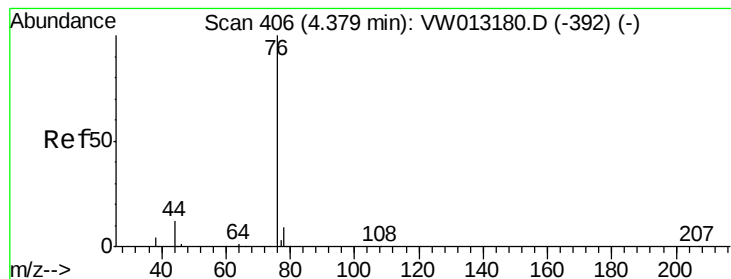
Tgt Ion: 43 Resp: 201777

Ion Ratio Lower Upper

43 100

58 31.7 24.1 36.1





#17

Carbon Disulfide

Concen: 52.555 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

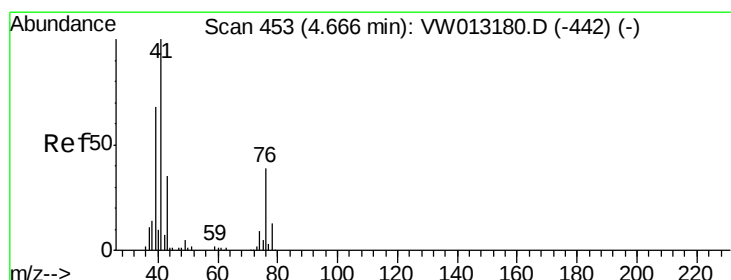
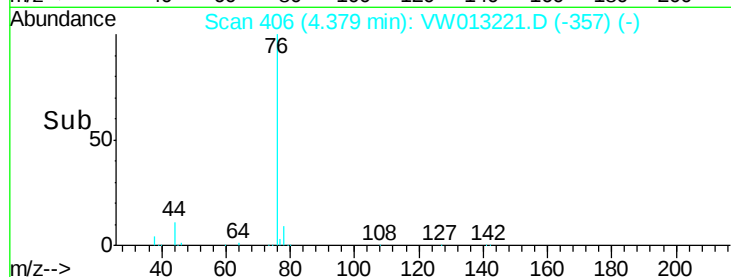
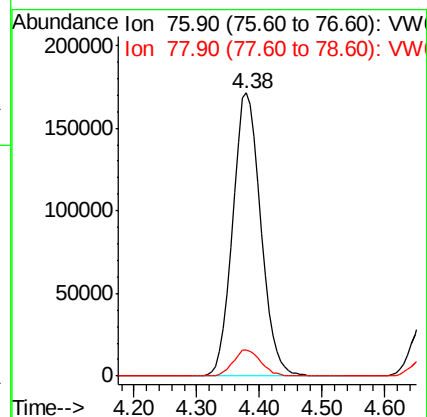
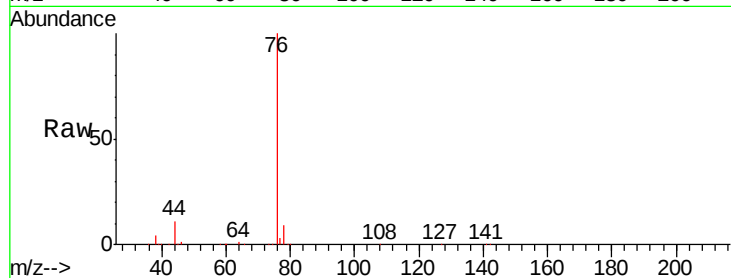
VSTDCCC050

Tgt Ion: 76 Resp: 531619

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4



#18

Methyl Acetate

Concen: 45.677 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013221.D

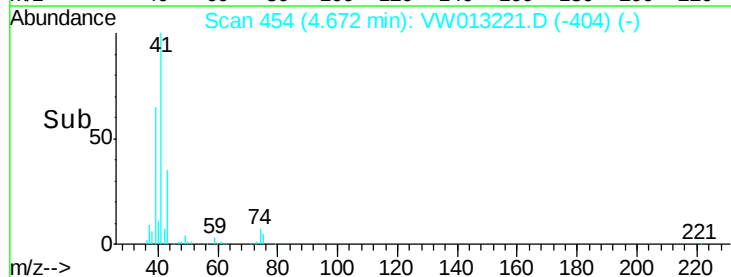
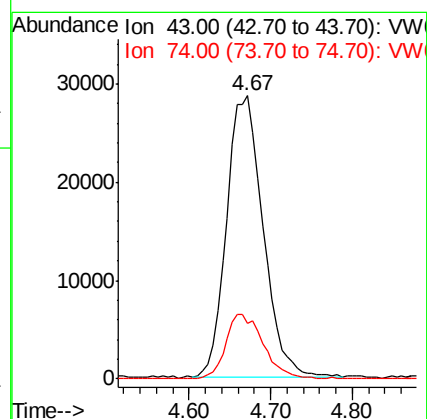
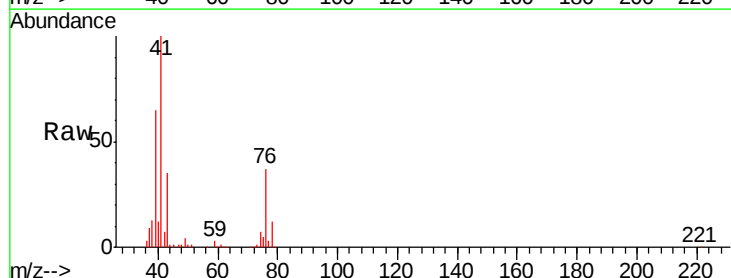
Acq: 23 Sep 2019 10:32

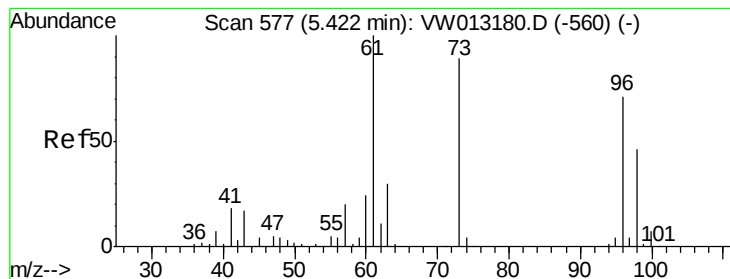
Tgt Ion: 43 Resp: 88995

Ion Ratio Lower Upper

43 100

74 23.5 19.3 28.9





#19

Methyl tert-butyl Ether

Concen: 50.387 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

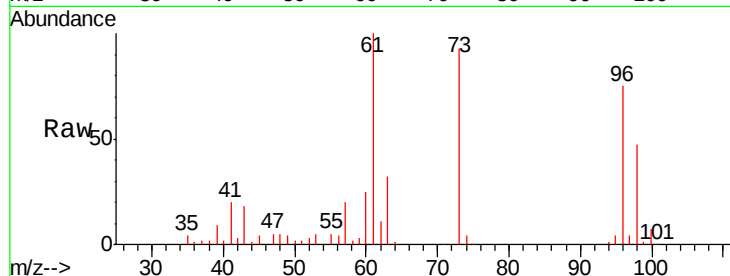
VSTDCCC050

Tgt Ion: 73 Resp: 270264

Ion Ratio Lower Upper

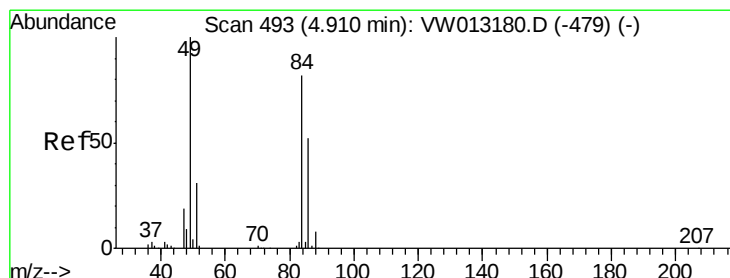
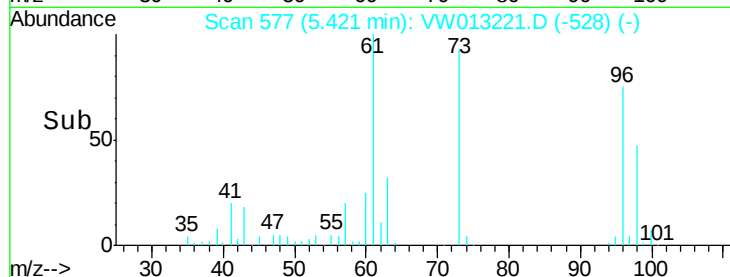
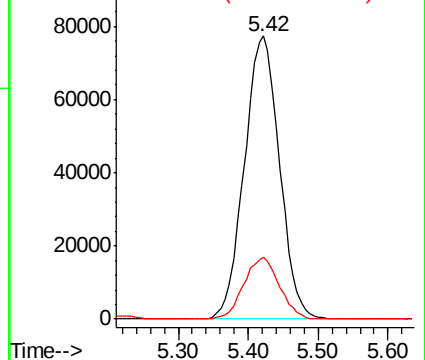
73 100

57 21.9 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 50.615 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Tgt Ion: 84 Resp: 179293

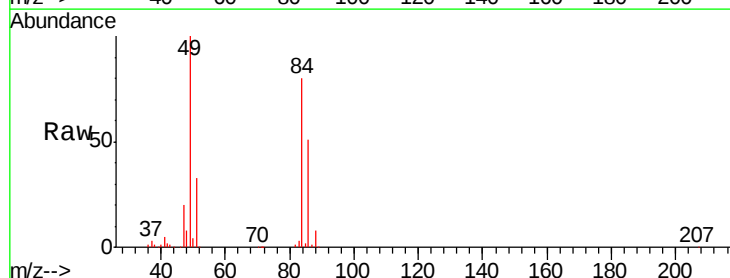
Ion Ratio Lower Upper

84 100

49 124.2 97.6 146.4

51 41.1 30.2 45.2

86 63.3 50.6 76.0

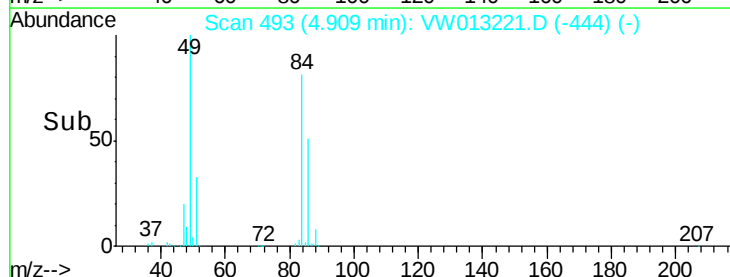
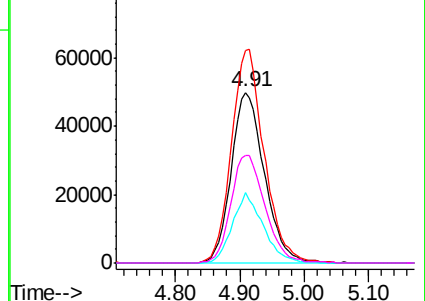


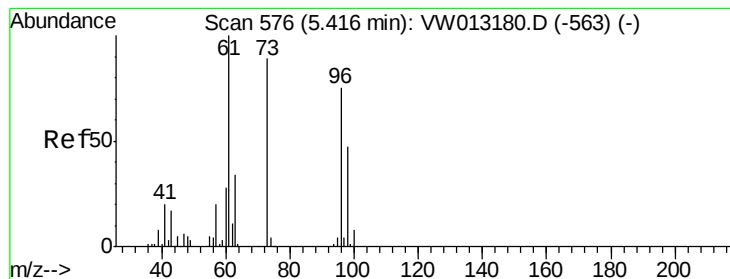
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 50.754 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

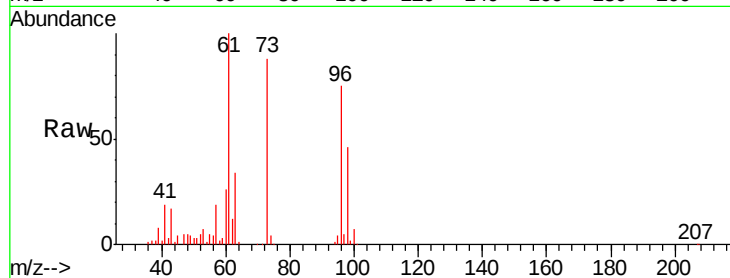
Tgt Ion: 96 Resp: 191980

Ion Ratio Lower Upper

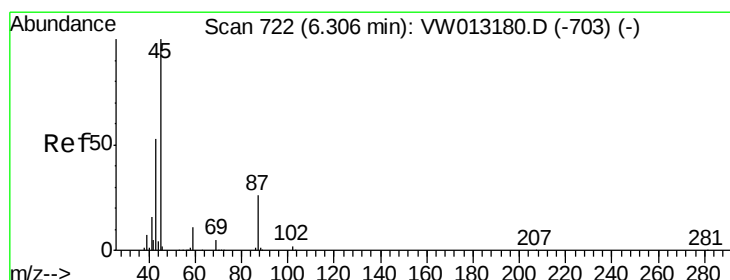
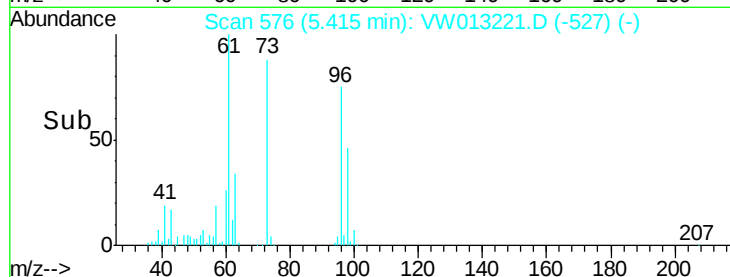
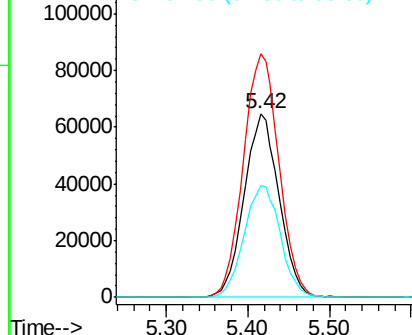
96 100

61 132.7 106.6 159.8

98 61.0 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: 50.651 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Tgt Ion: 45 Resp: 536476

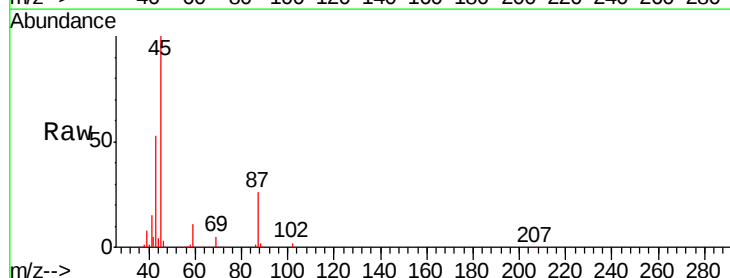
Ion Ratio Lower Upper

45 100

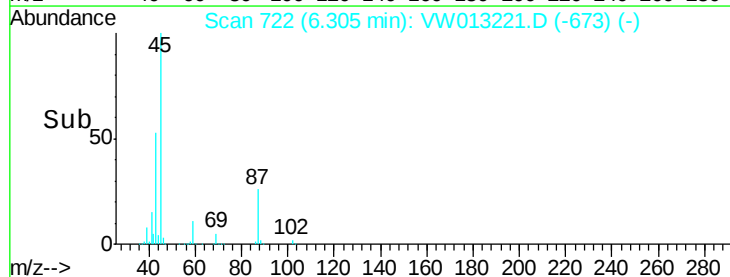
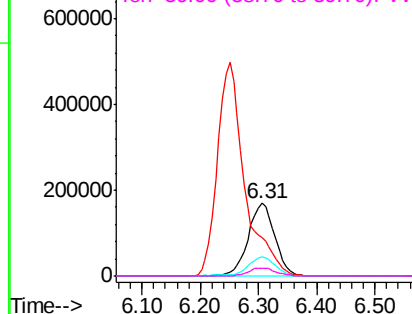
43 52.6 42.4 63.6

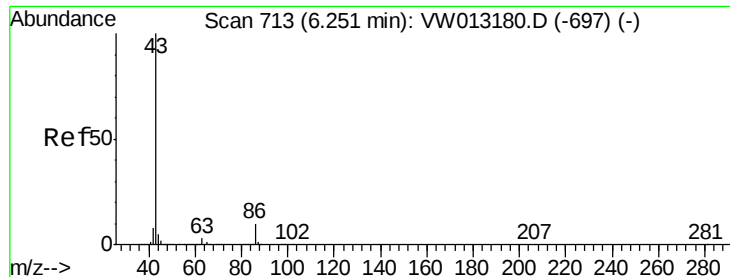
87 26.0 20.4 30.6

59 11.0 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

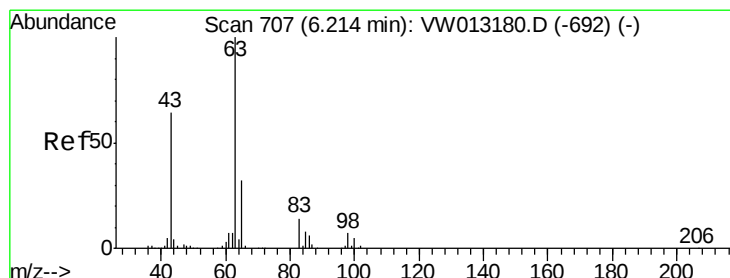
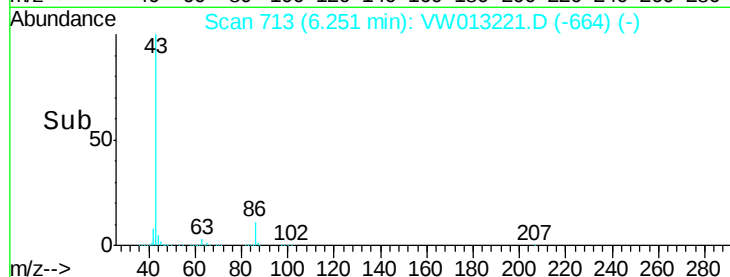
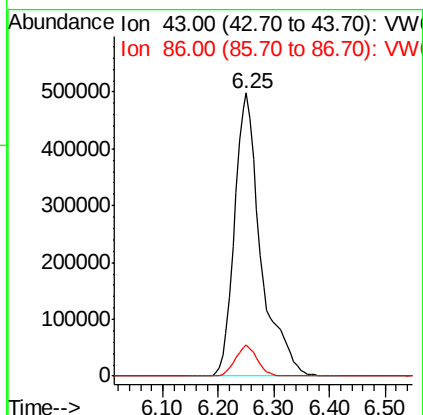
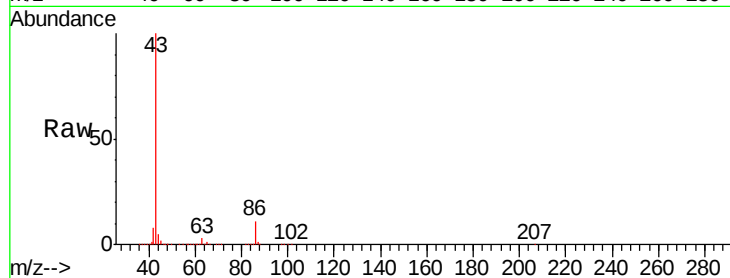




#23
 Vinyl Acetate
 Concen: 258.004 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

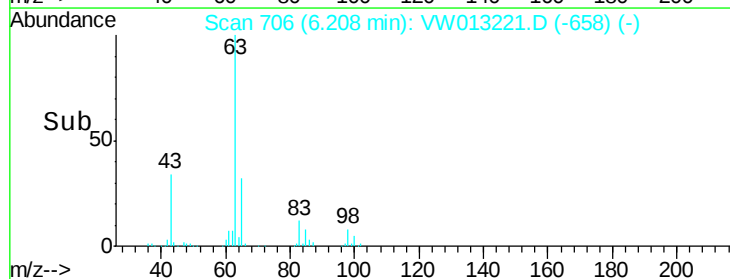
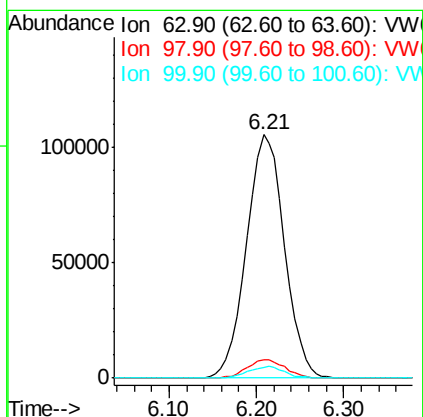
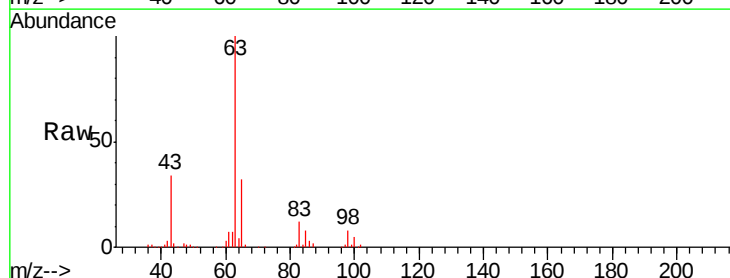
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

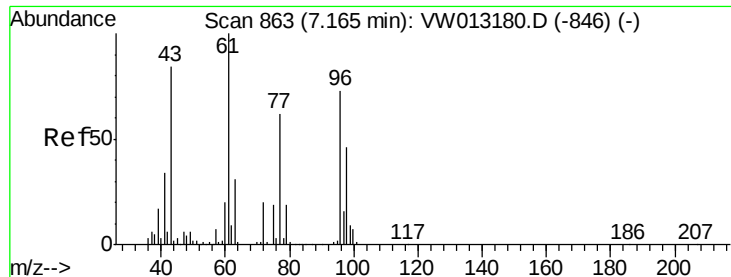
Tgt Ion: 43 Resp: 1621159
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 49.961 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion: 63 Resp: 319311
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.5 10.5
 100 4.6 2.4 7.1





#25

2-Butanone

Concen: 251.168 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

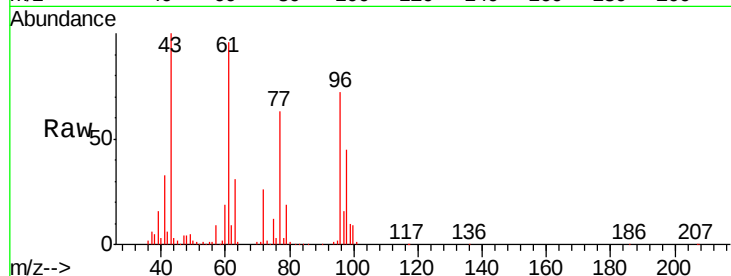
VSTDCCC050

Tgt Ion: 43 Resp: 261337

Ion Ratio Lower Upper

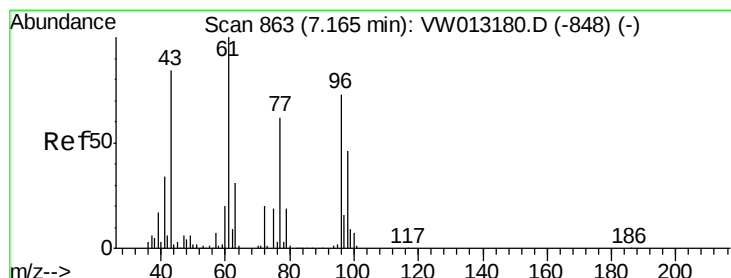
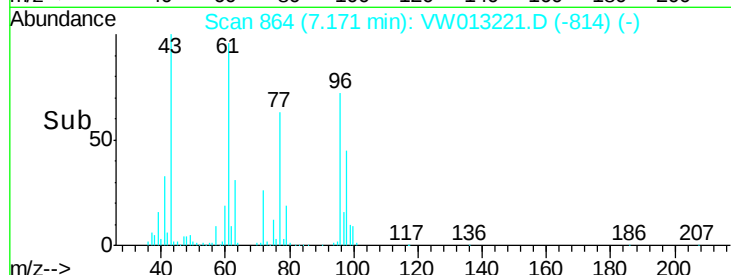
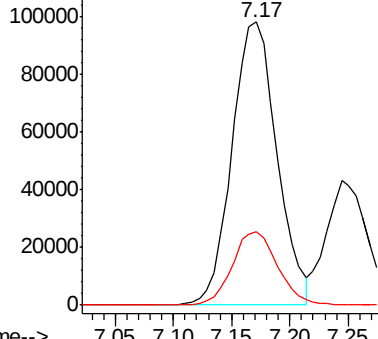
43 100

72 26.1 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 52.461 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013221.D

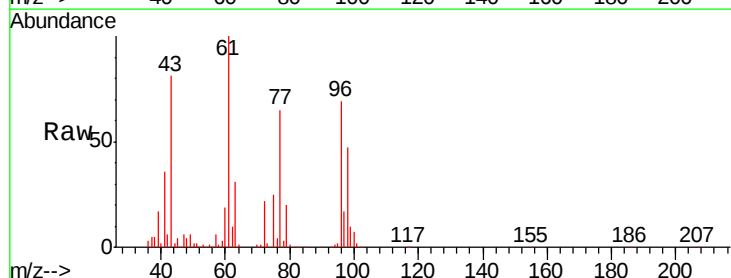
Acq: 23 Sep 2019 10:32

Tgt Ion: 77 Resp: 199986

Ion Ratio Lower Upper

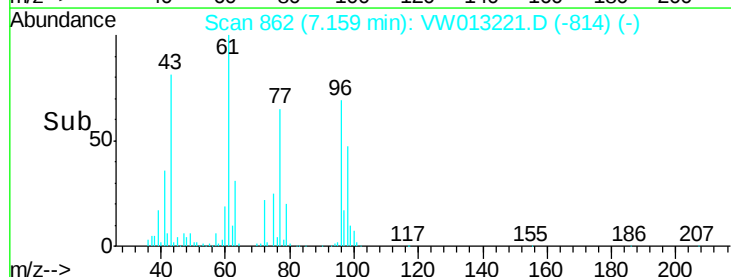
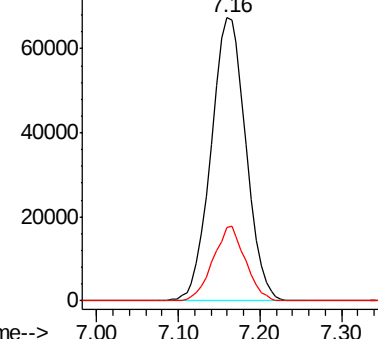
77 100

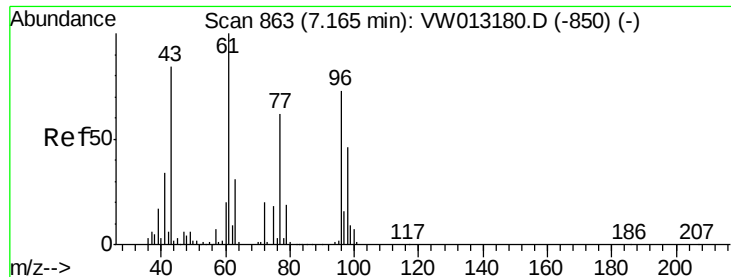
97 24.7 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



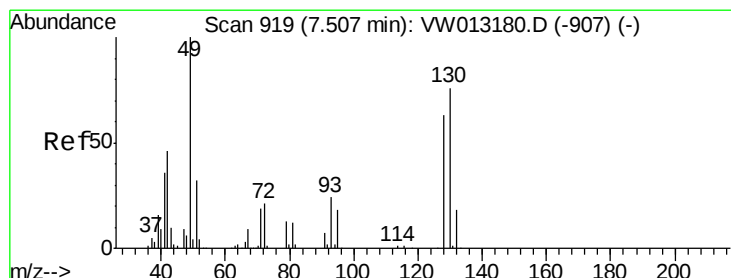
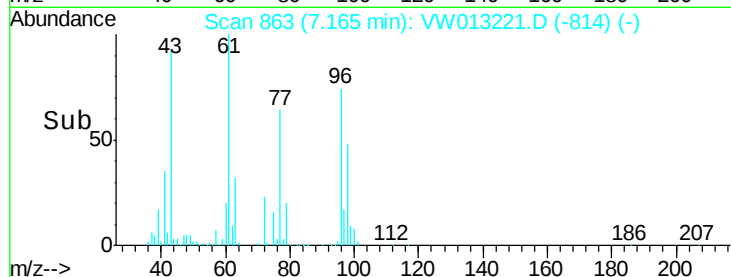
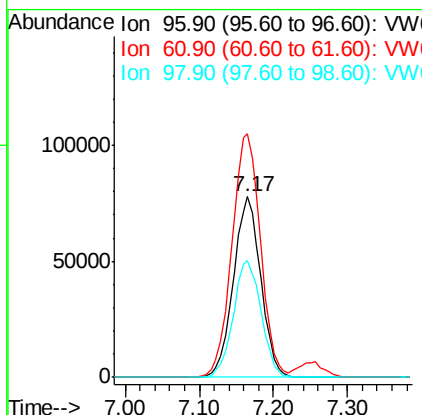
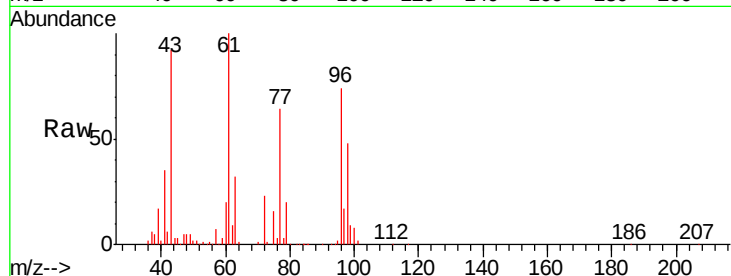


#27

cis-1,2-Dichloroethene
Concen: 50.104 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

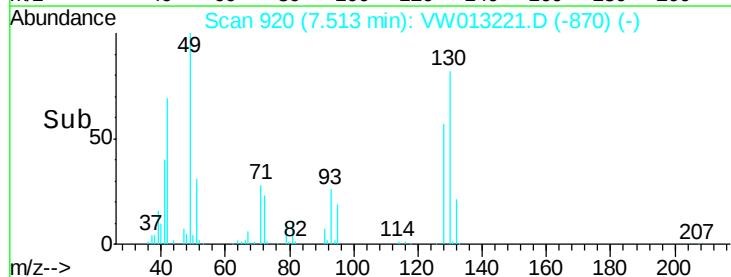
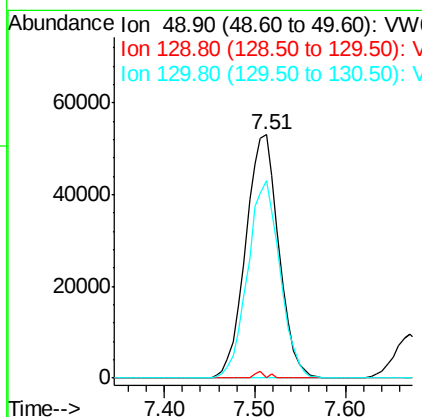
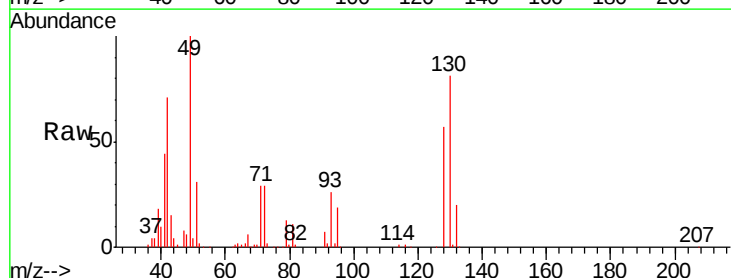
Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	282.4
98	65.9	0.0	128.2

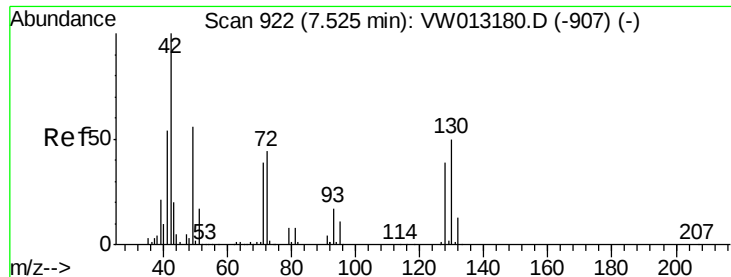


#28

Bromochloromethane
Concen: 54.590 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.0
130	79.1	63.4	95.2

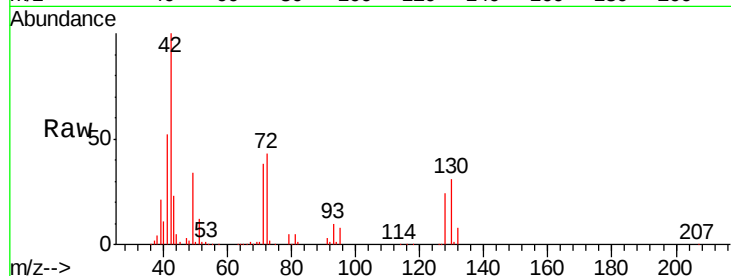




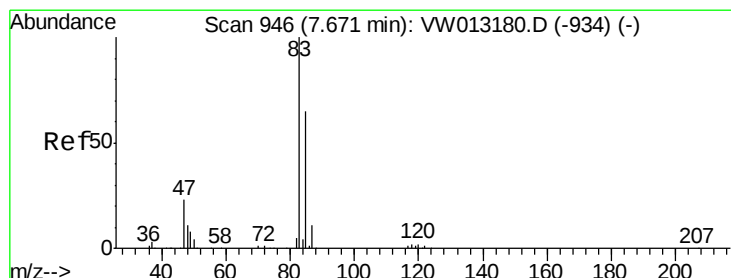
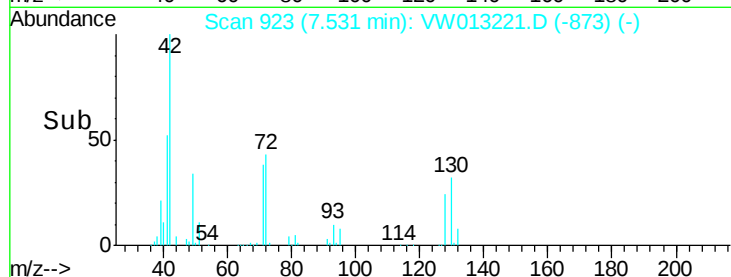
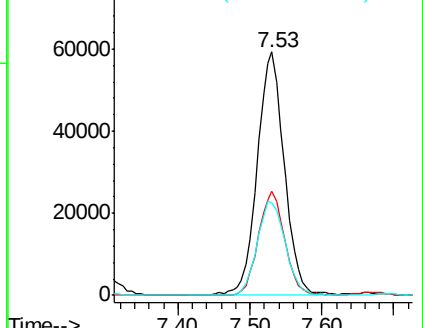
#29
Tetrahydrofuran
Concen: 242.910 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 155000
Ion Ratio Lower Upper
42 100
72 41.7 33.9 50.9
71 40.0 31.9 47.9

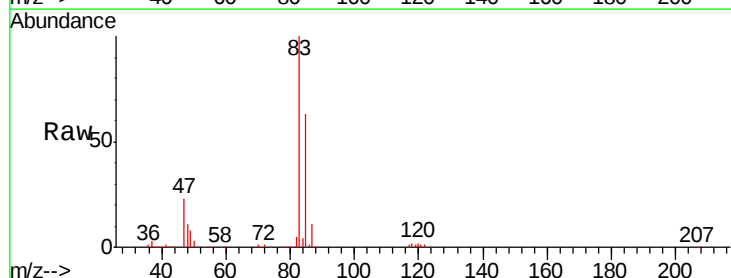


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

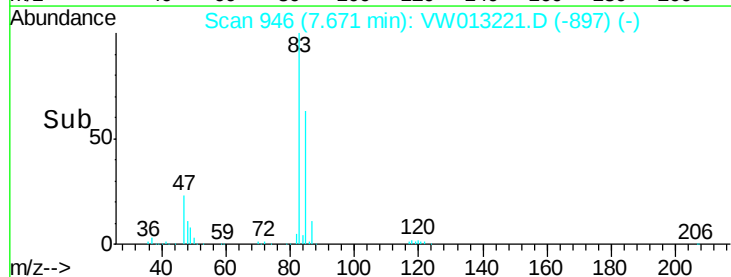
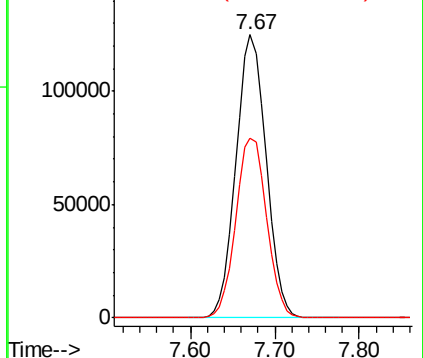


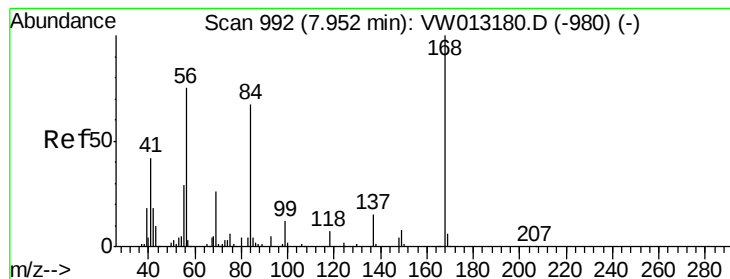
#30
Chloroform
Concen: 48.328 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 83 Resp: 302401
Ion Ratio Lower Upper
83 100
85 63.4 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: 48.779 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

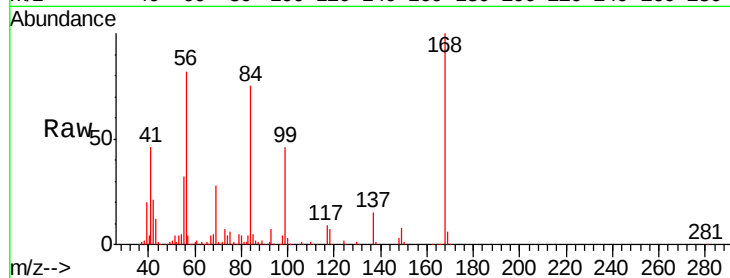
Tgt Ion: 56 Resp: 324975

Ion Ratio Lower Upper

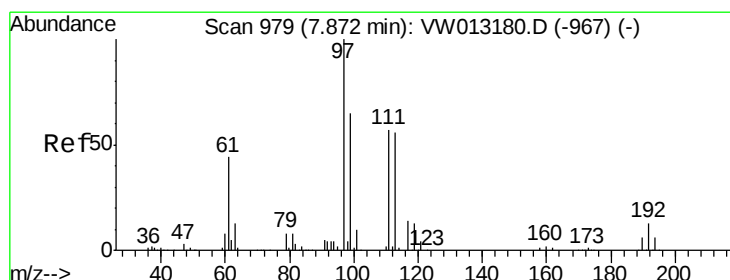
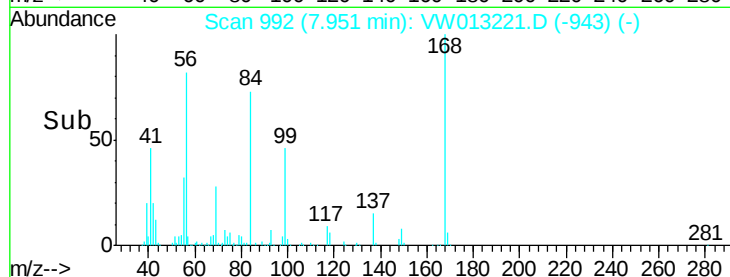
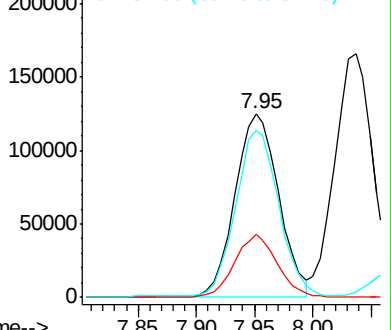
56 100

69 34.2 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: 50.157 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

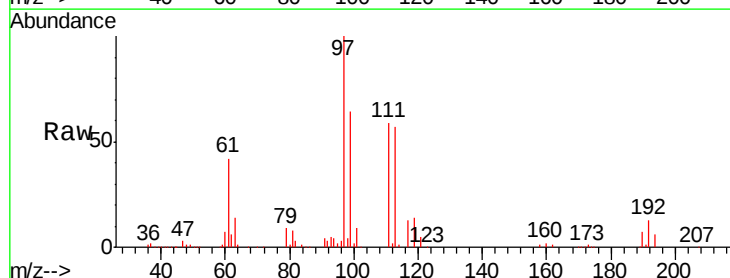
Tgt Ion: 97 Resp: 254190

Ion Ratio Lower Upper

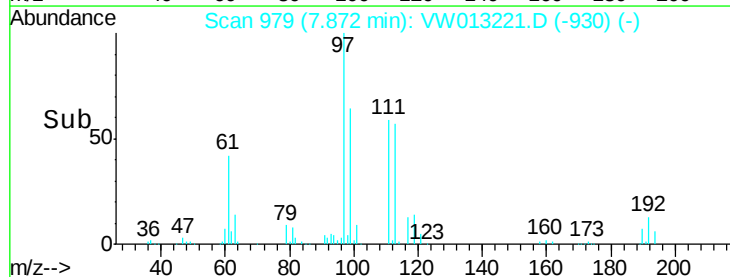
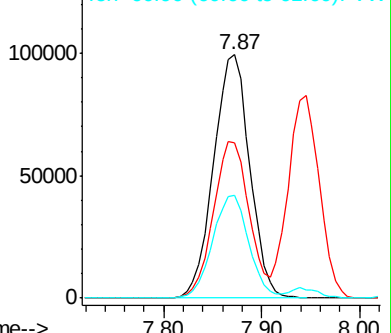
97 100

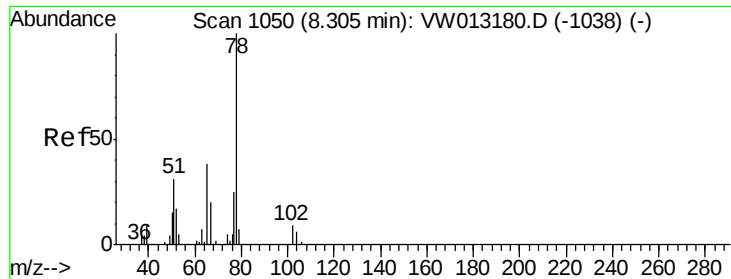
99 64.3 51.7 77.5

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: 50.632 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

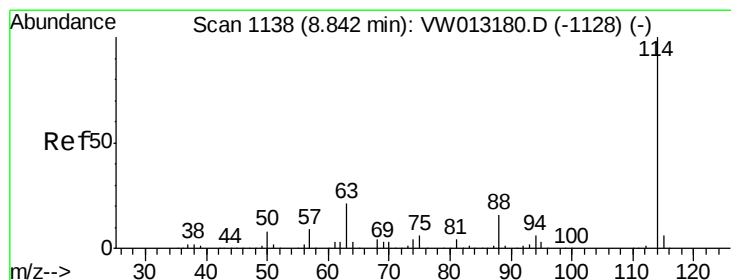
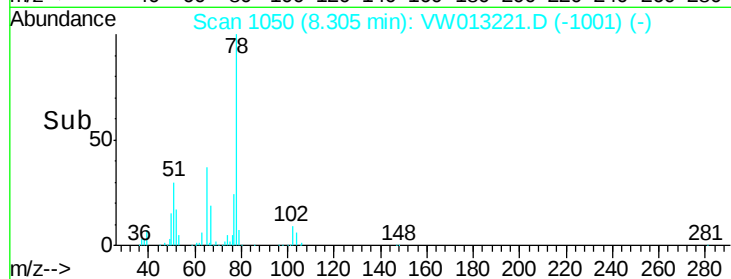
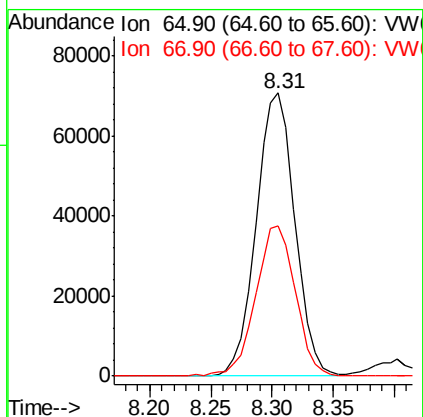
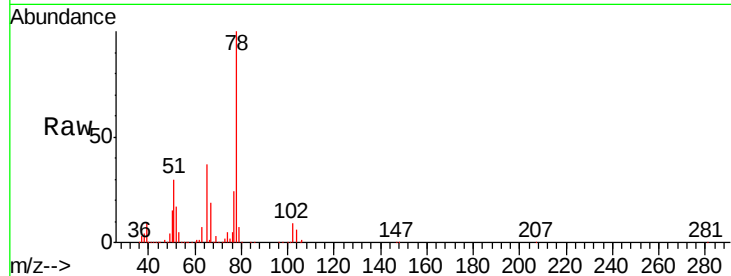
VSTDCCC050

Tgt Ion: 65 Resp: 155619

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

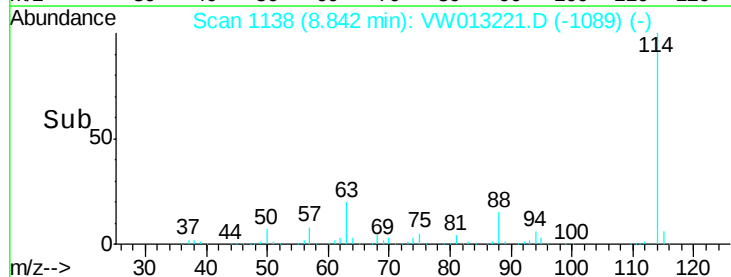
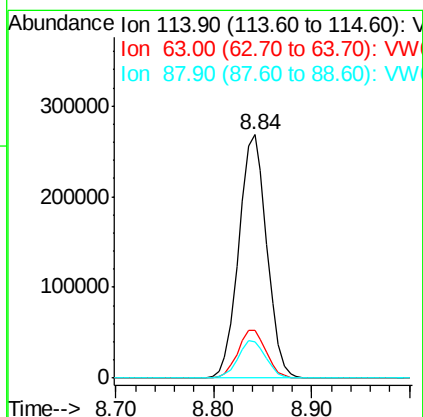
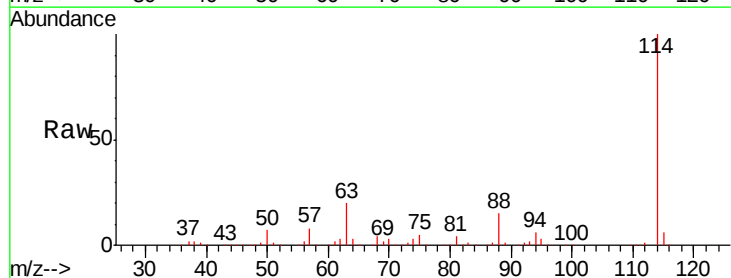
Tgt Ion: 114 Resp: 531578

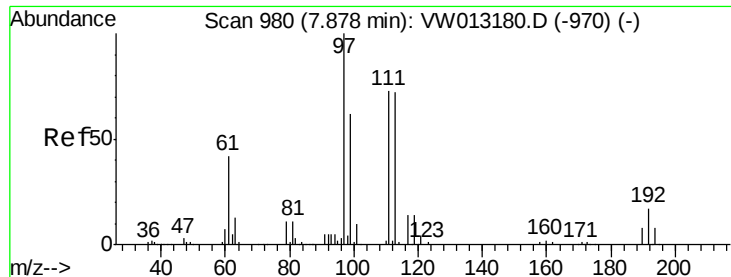
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

88 14.7 0.0 32.0

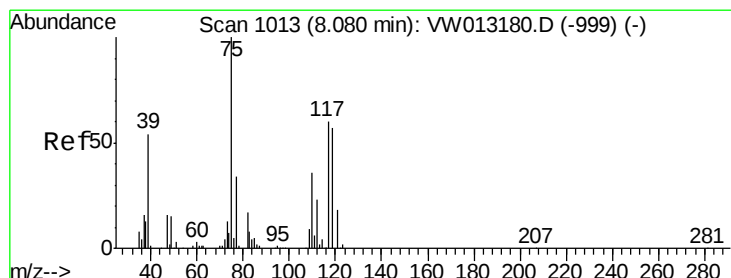
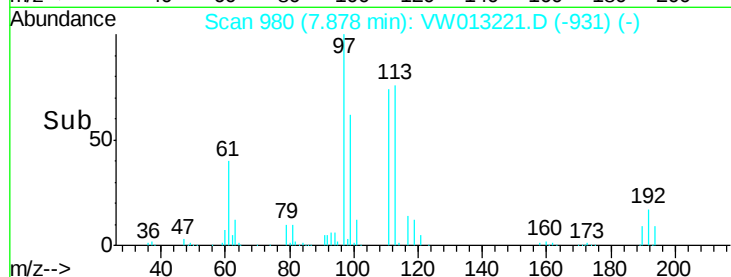
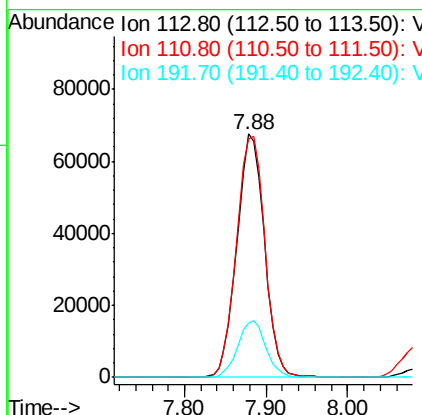
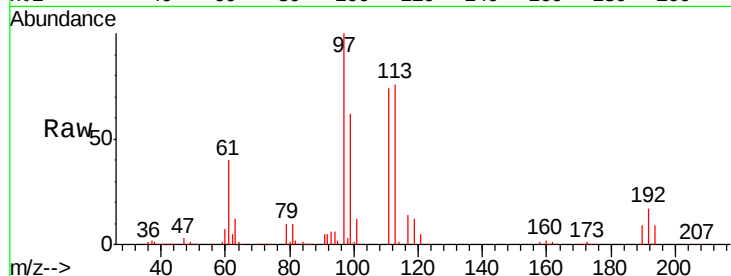




#35
 Dibromofluoromethane
 Concen: 54.109 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

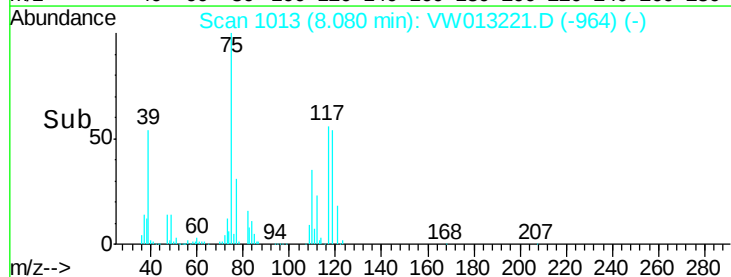
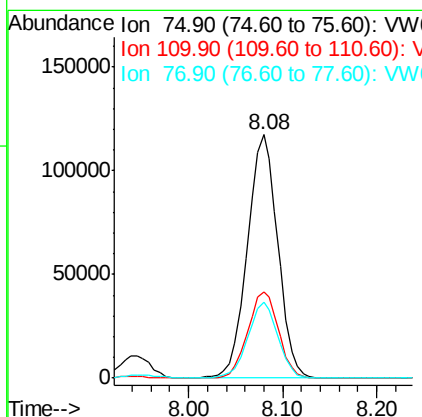
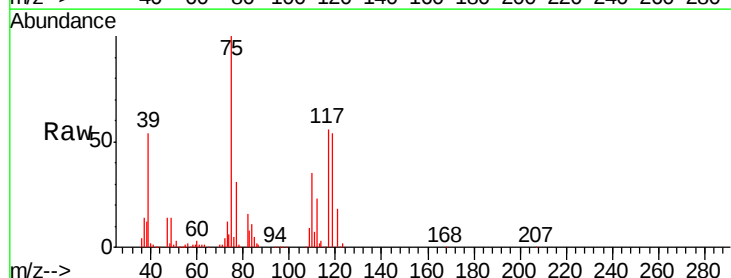
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

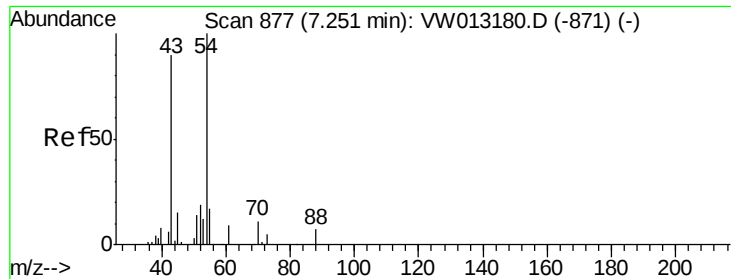
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	23.4	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 51.621 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.3
77	31.1	25.8	38.6





#37

Ethyl Acetate

Concen: 49.930 ug/l

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

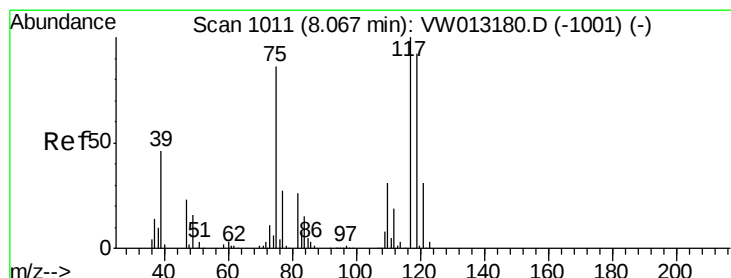
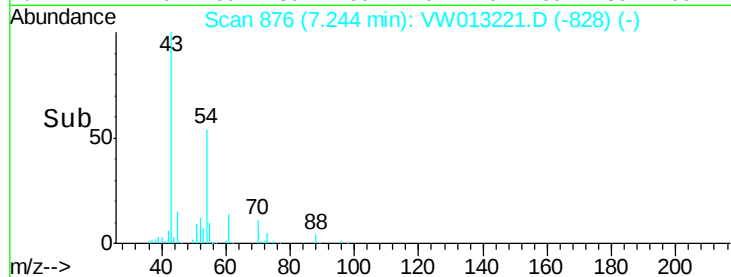
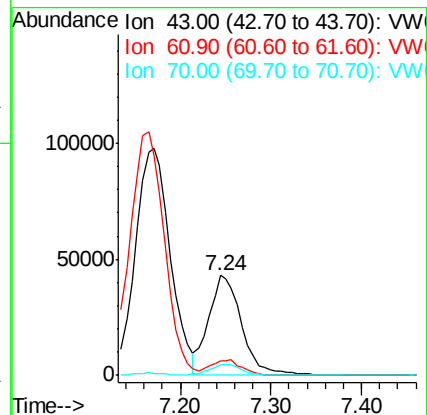
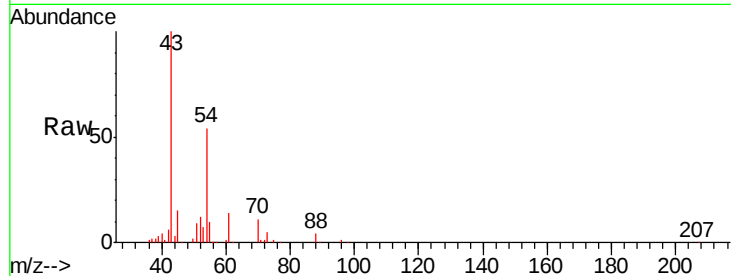
Tgt Ion: 43 Resp: 109258

Ion Ratio Lower Upper

43 100

61 14.0 10.9 16.3

70 10.7 8.2 12.2



#38

Carbon Tetrachloride

Concen: 52.201 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

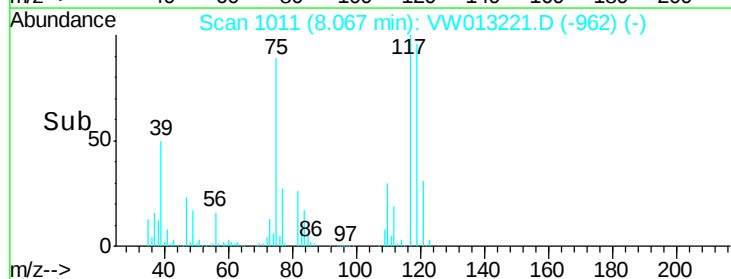
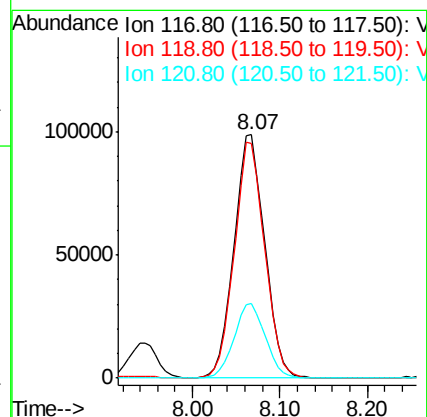
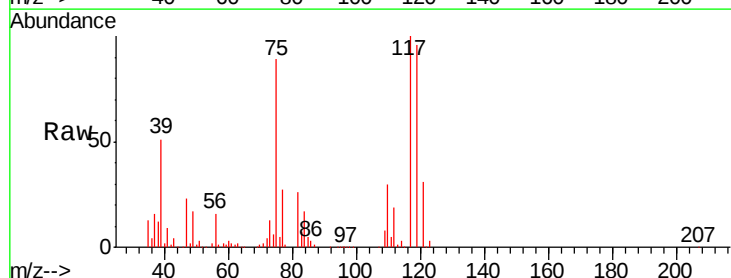
Tgt Ion: 117 Resp: 240931

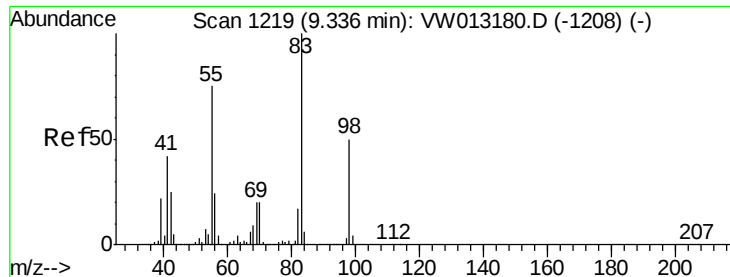
Ion Ratio Lower Upper

117 100

119 96.3 73.5 110.3

121 30.6 25.0 37.6

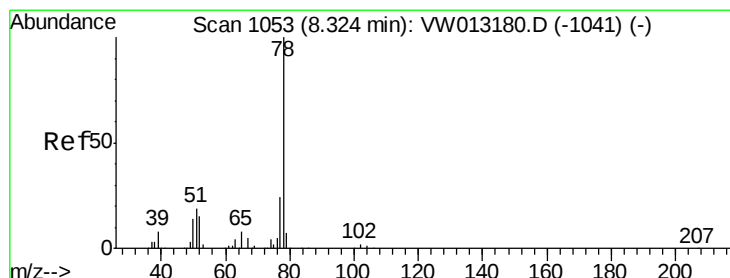
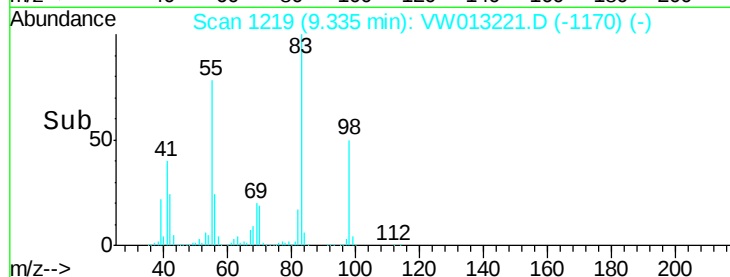
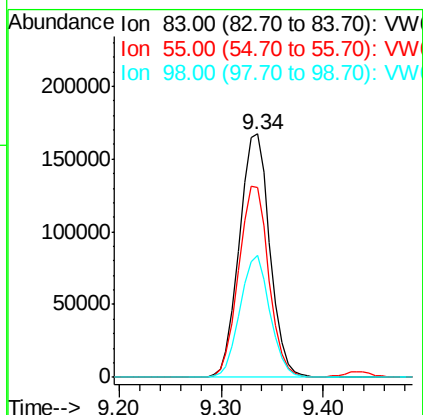
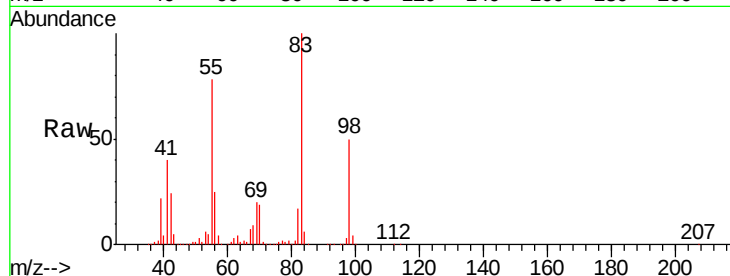




#39
Methylcyclohexane
Concen: 52.588 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

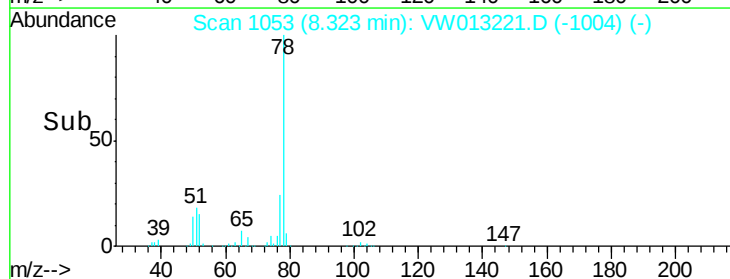
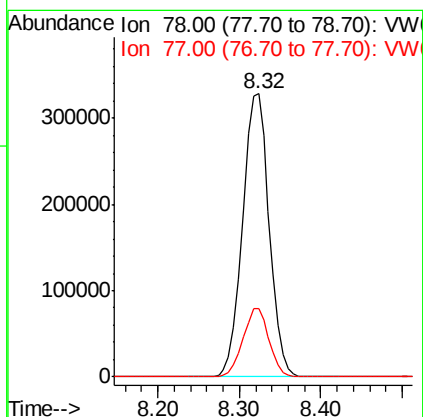
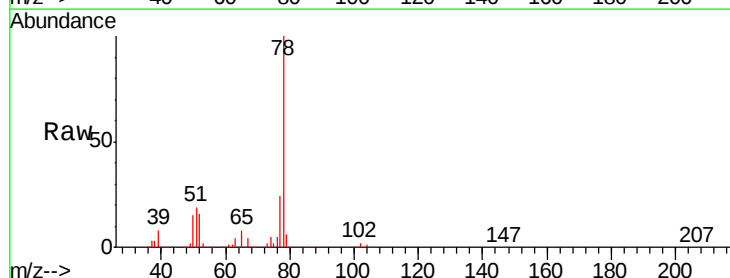
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

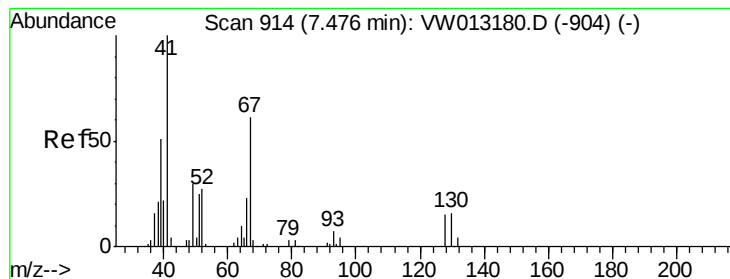
Tgt Ion: 83 Resp: 347955
Ion Ratio Lower Upper
83 100
55 78.2 60.4 90.6
98 50.1 40.0 60.0



#40
Benzene
Concen: 51.721 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 78 Resp: 742783
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7





#41

Methacrylonitrile

Concen: 56.783 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 74158

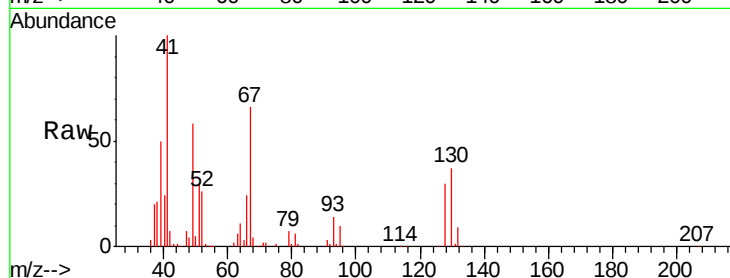
Ion Ratio Lower Upper

41 100

39 50.5 45.9 68.9

67 63.3 54.5 81.7

52 24.6 22.5 33.7

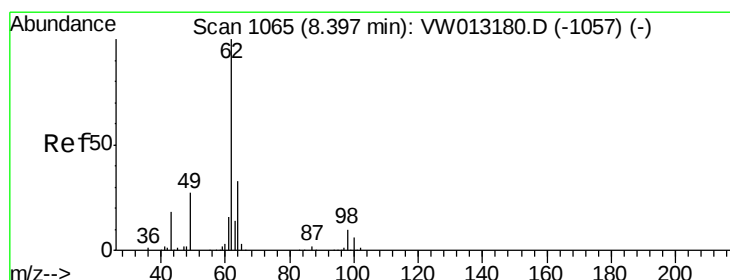
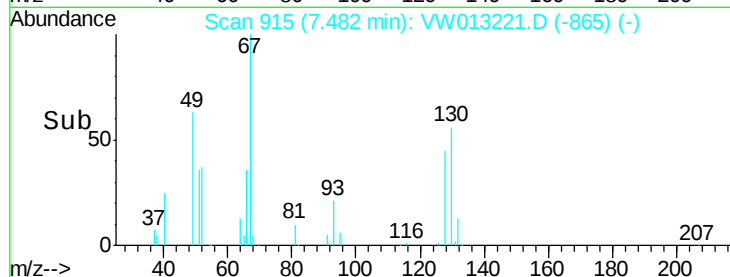
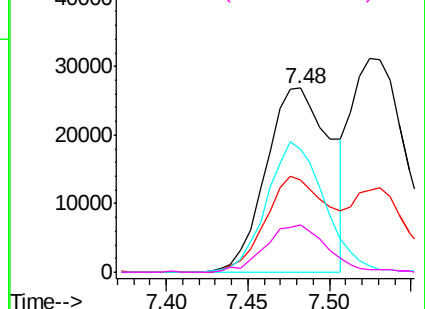


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.413 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013221.D

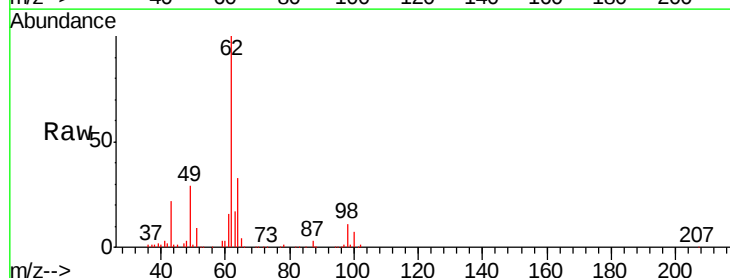
Acq: 23 Sep 2019 10:32

Tgt Ion: 62 Resp: 194623

Ion Ratio Lower Upper

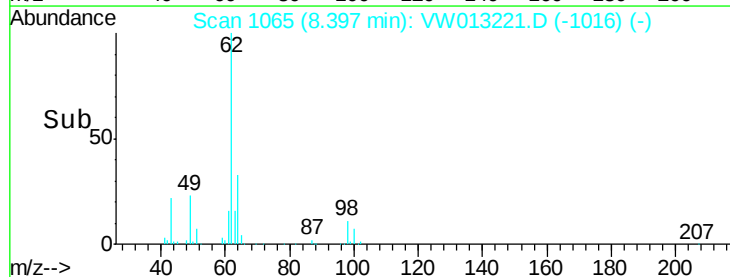
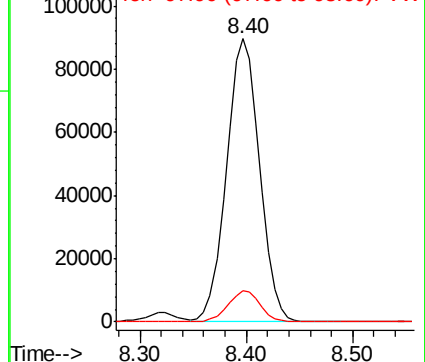
62 100

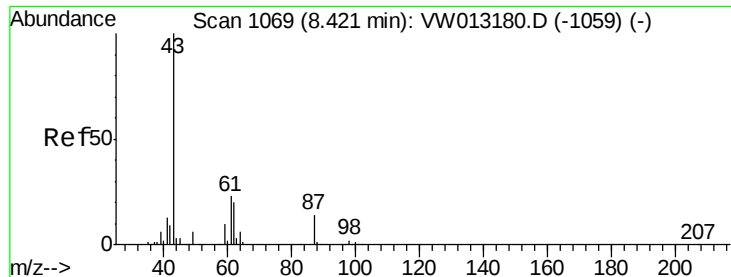
98 10.8 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 50.690 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

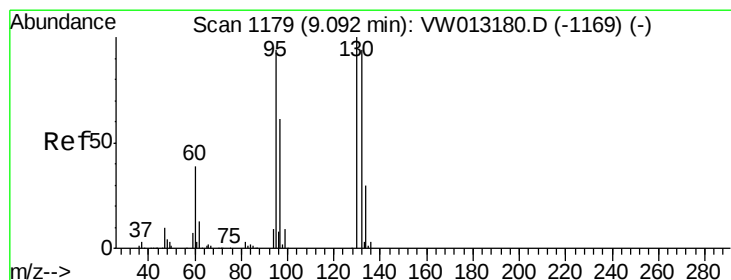
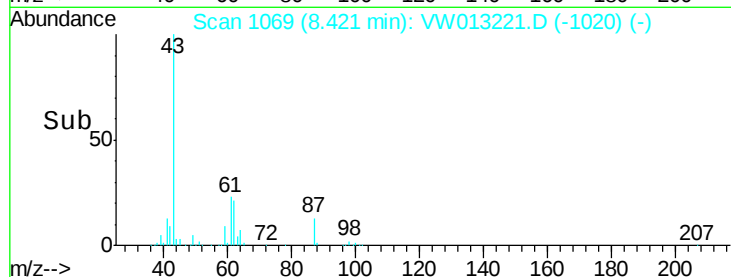
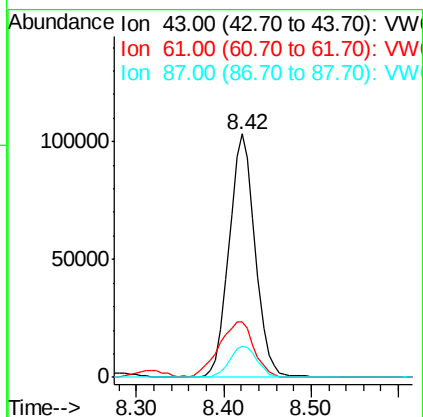
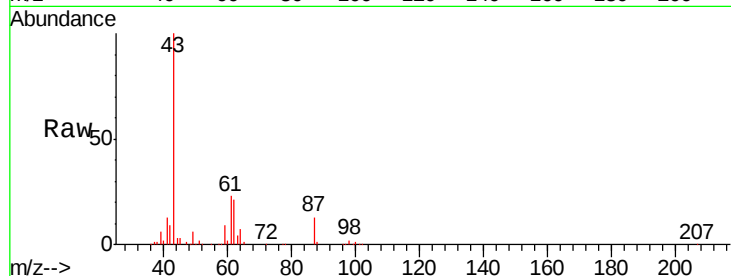
Tgt Ion: 43 Resp: 212588

Ion Ratio Lower Upper

43 100

61 30.5 25.5 38.3

87 13.5 11.0 16.4



#44

Trichloroethene

Concen: 51.073 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013221.D

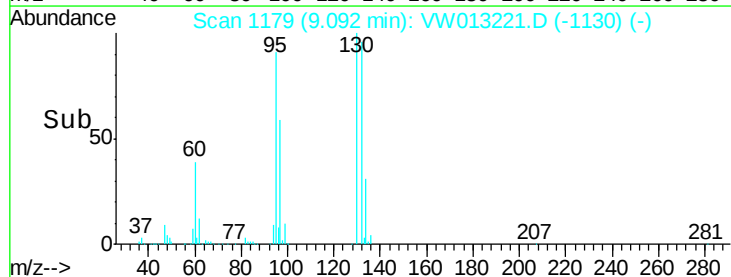
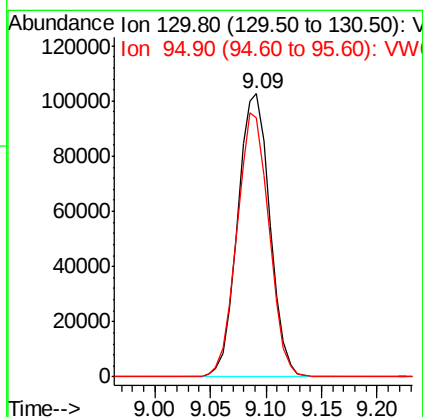
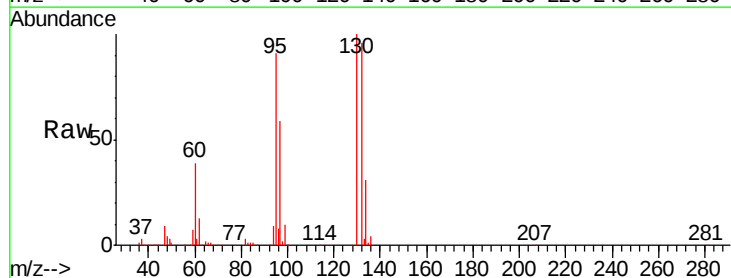
Acq: 23 Sep 2019 10:32

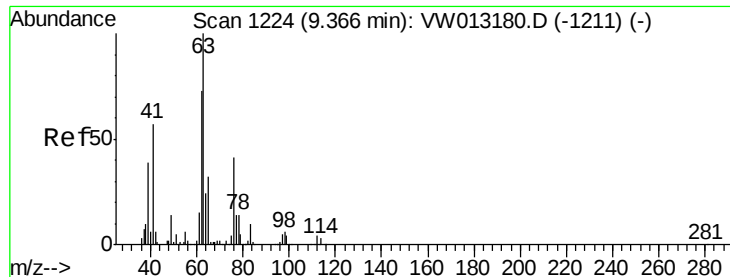
Tgt Ion: 130 Resp: 205789

Ion Ratio Lower Upper

130 100

95 91.4 0.0 188.0





#45

1,2-Dichloropropane

Concen: 50.771 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

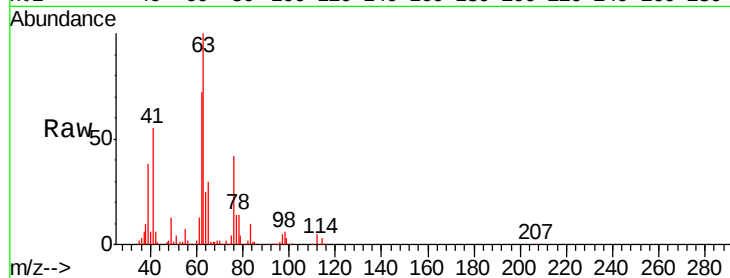
VSTDCCC050

Tgt Ion: 63 Resp: 178012

Ion Ratio Lower Upper

63 100

65 29.8 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

100000

80000

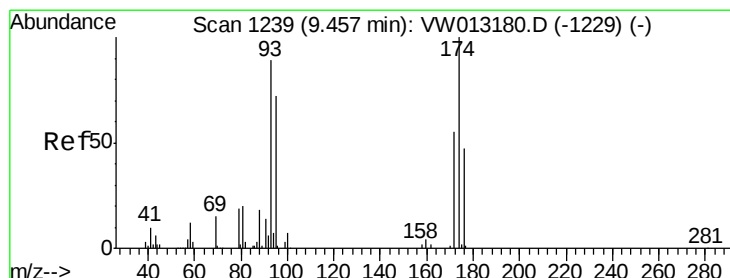
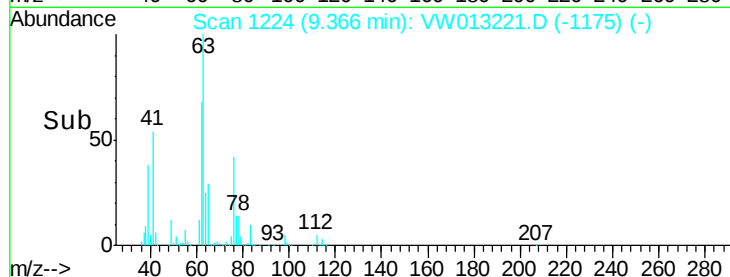
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 49.931 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

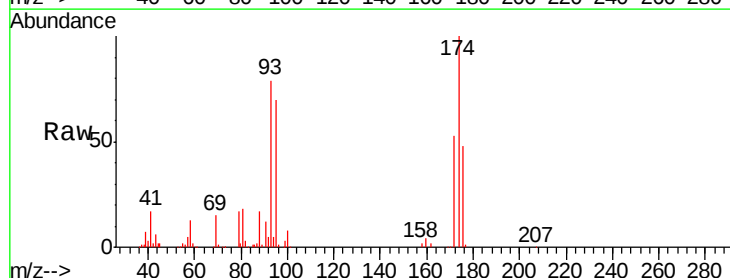
Tgt Ion: 93 Resp: 84995

Ion Ratio Lower Upper

93 100

95 85.2 66.4 99.6

174 119.8 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

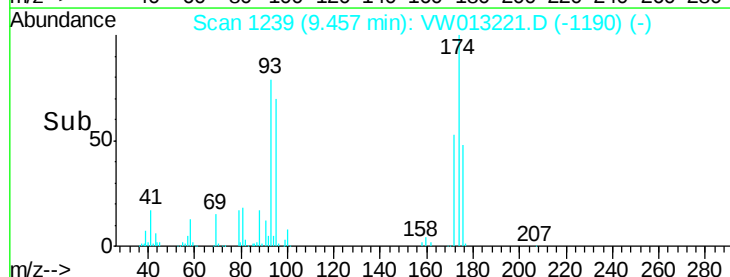
60000

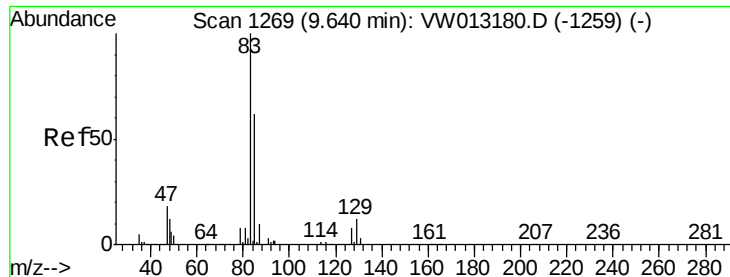
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 51.951 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

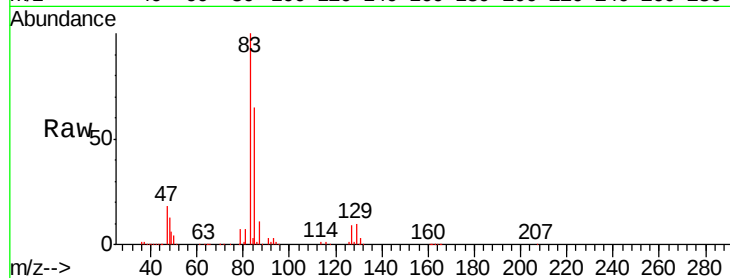
Tgt Ion: 83 Resp: 225023

Ion Ratio Lower Upper

83 100

85 65.0 49.4 74.2

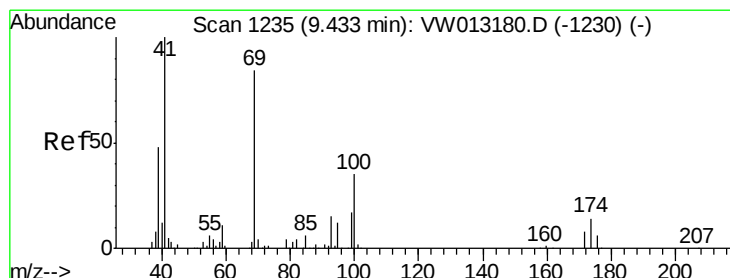
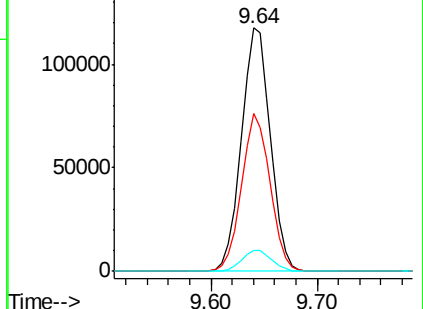
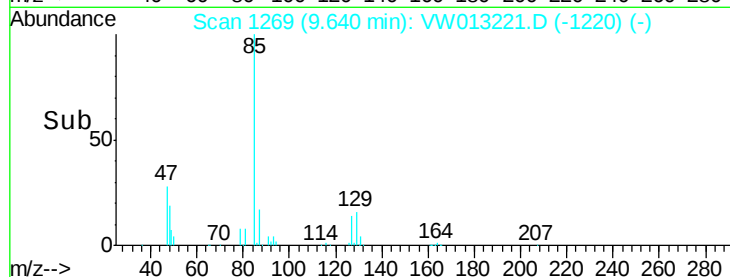
127 8.8 6.5 9.7



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): VW



#48

Methyl methacrylate

Concen: 54.466 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

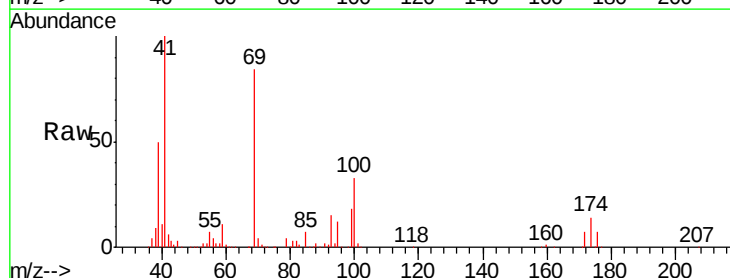
Tgt Ion: 41 Resp: 107411

Ion Ratio Lower Upper

41 100

69 81.5 69.7 104.5

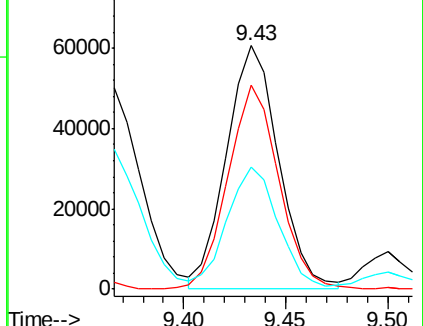
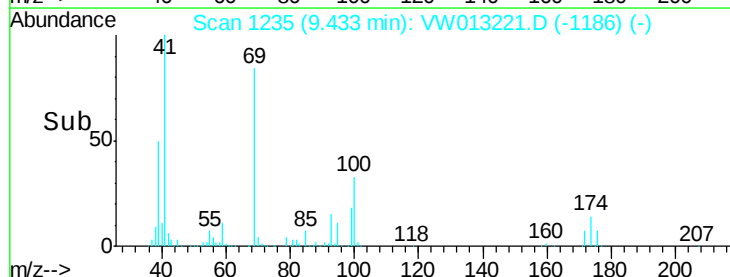
39 46.9 41.1 61.7

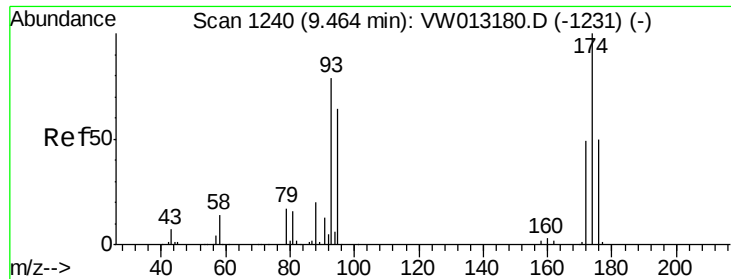


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 918.094 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

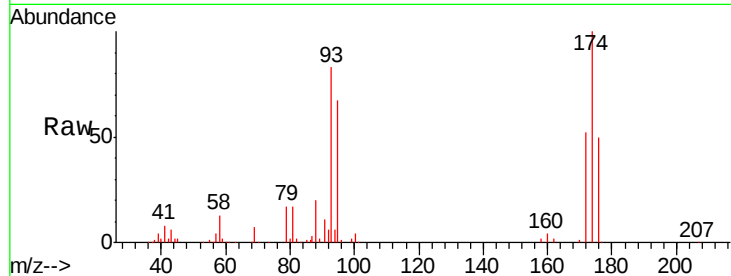
Tgt Ion: 88 Resp: 23459

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

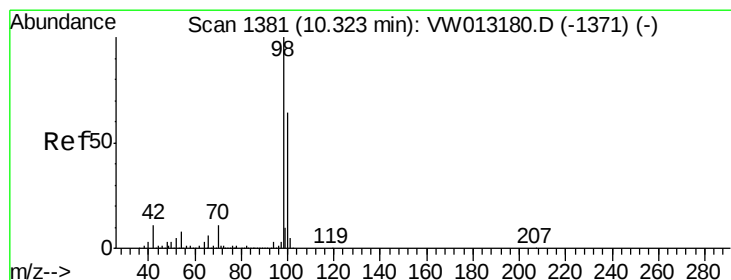
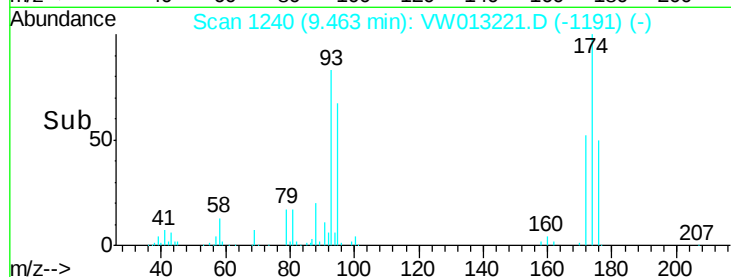
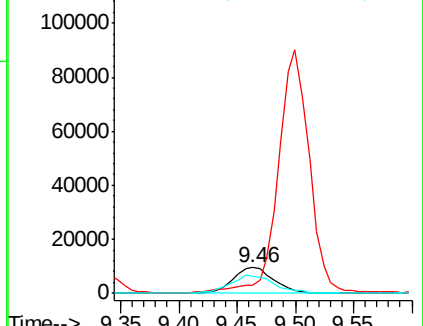
58 74.9 65.4 98.0



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: 53.618 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013221.D

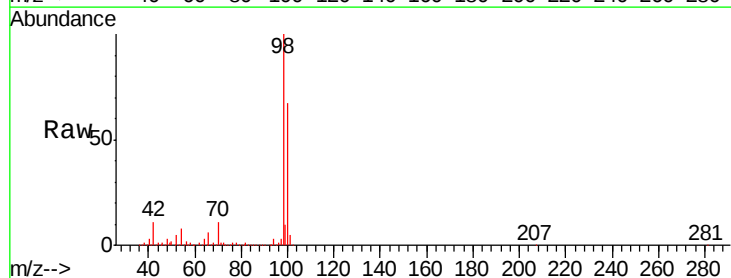
Acq: 23 Sep 2019 10:32

Tgt Ion: 98 Resp: 656063

Ion Ratio Lower Upper

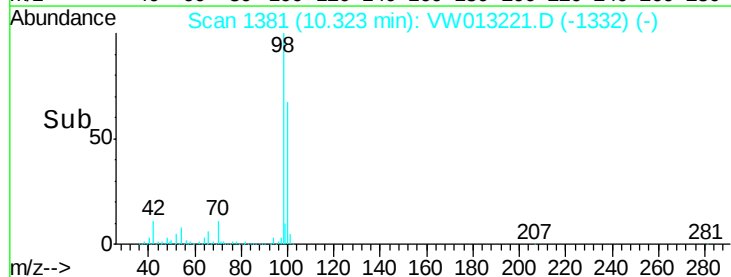
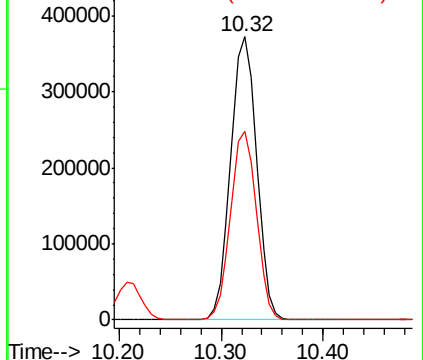
98 100

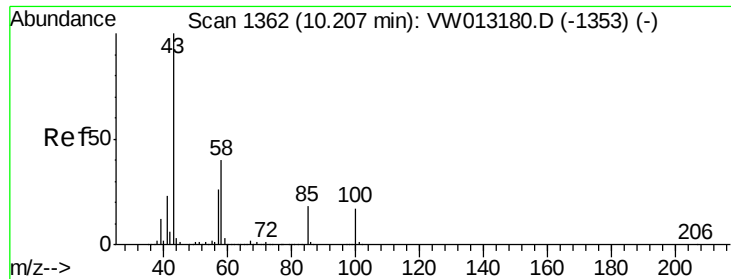
100 66.6 52.9 79.3



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: 250.436 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

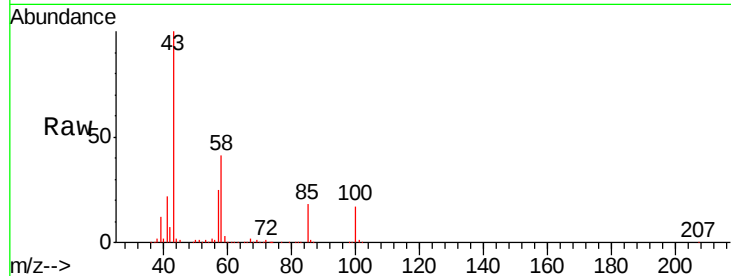
VSTDCCC050

Tgt Ion: 43 Resp: 526539

Ion Ratio Lower Upper

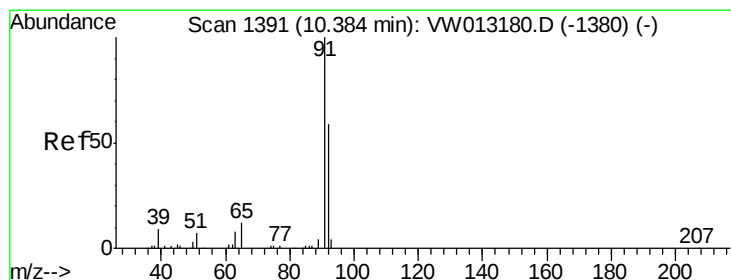
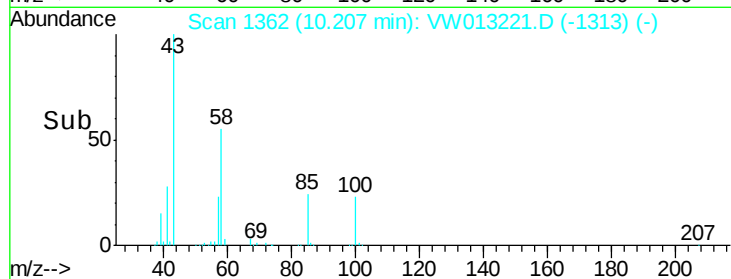
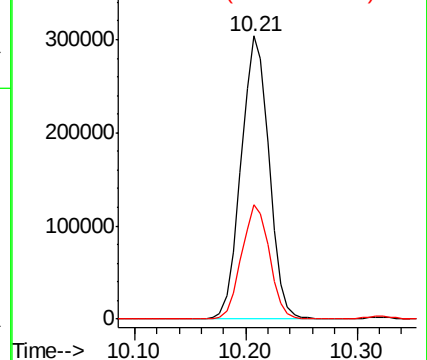
43 100

58 40.7 31.7 47.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 51.670 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013221.D

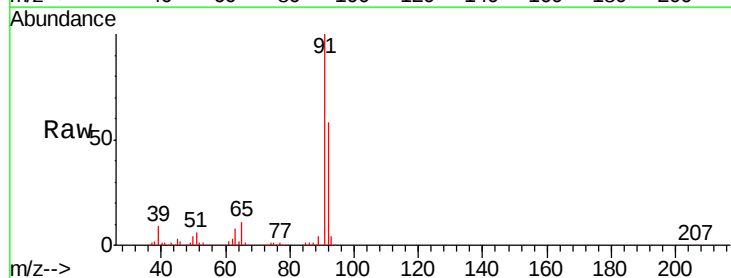
Acq: 23 Sep 2019 10:32

Tgt Ion: 92 Resp: 475575

Ion Ratio Lower Upper

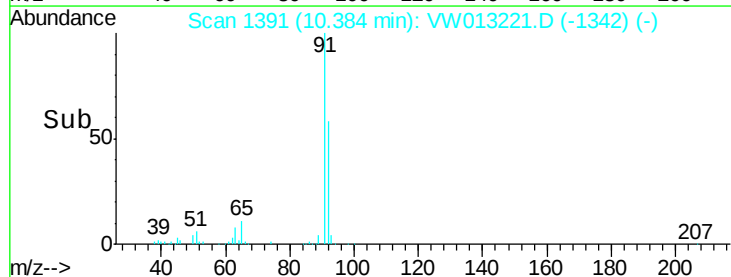
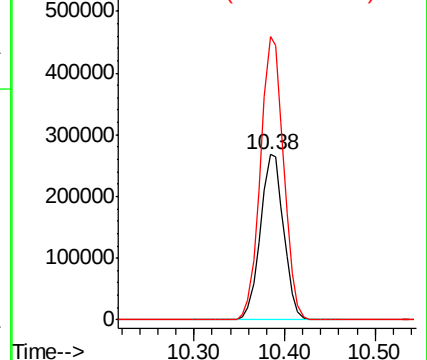
92 100

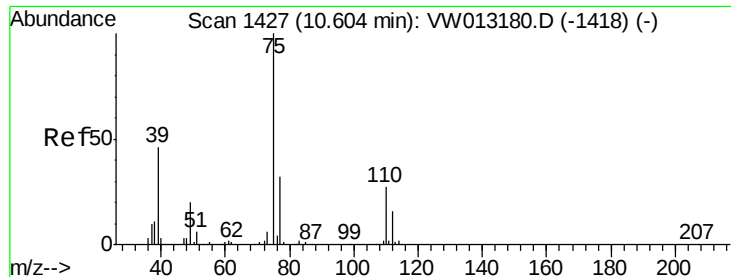
91 170.2 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

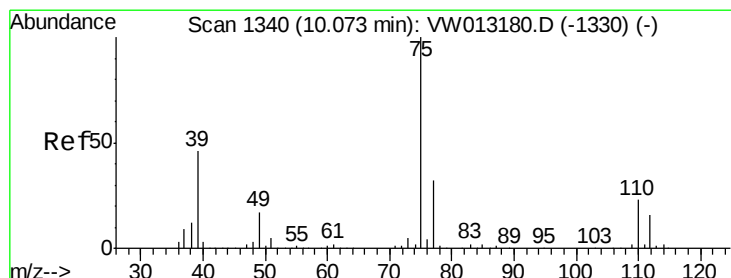
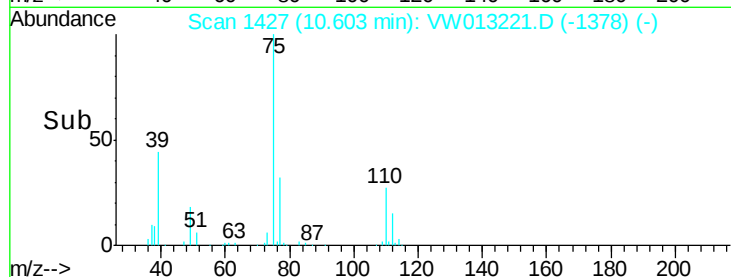
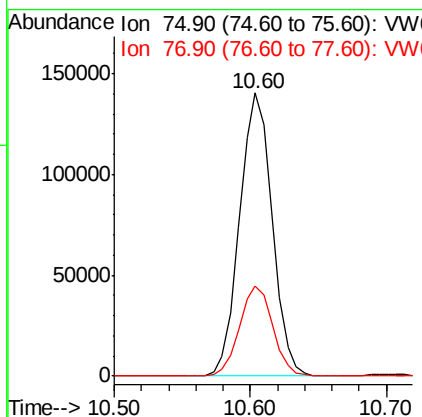
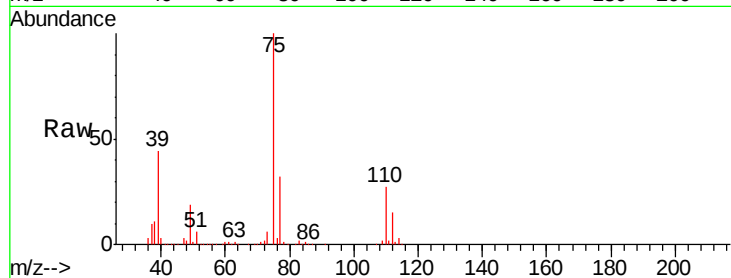




#53
 t-1,3-Dichloropropene
 Concen: 52.934 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

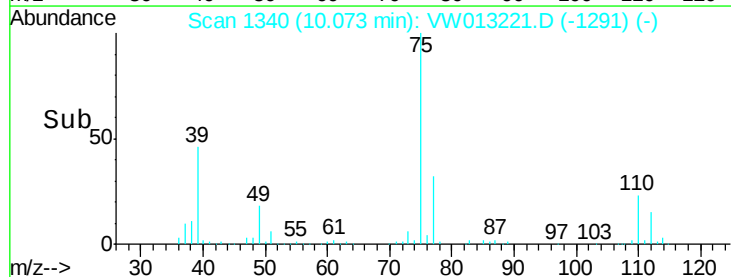
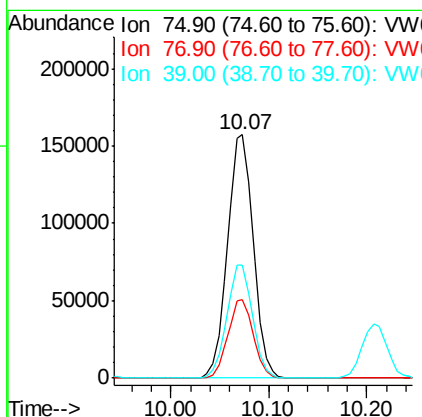
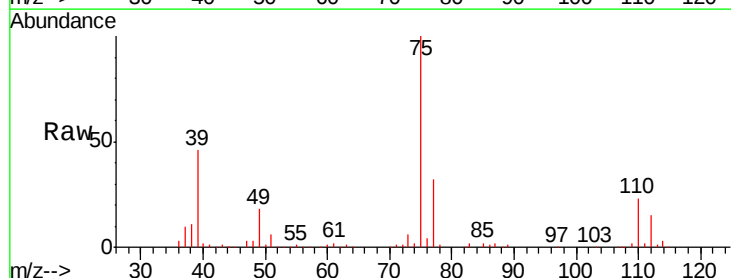
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

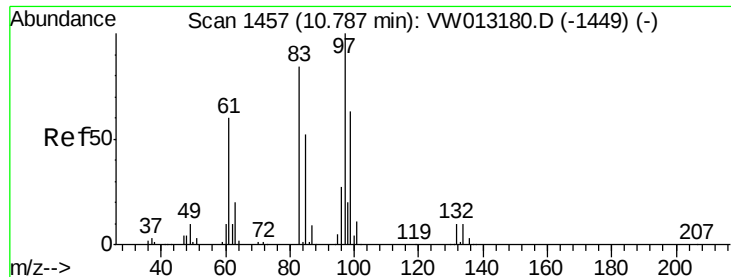
Tgt Ion: 75 Resp: 235561
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 53.123 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion: 75 Resp: 287434
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.2 37.8
 39 46.2 36.6 55.0

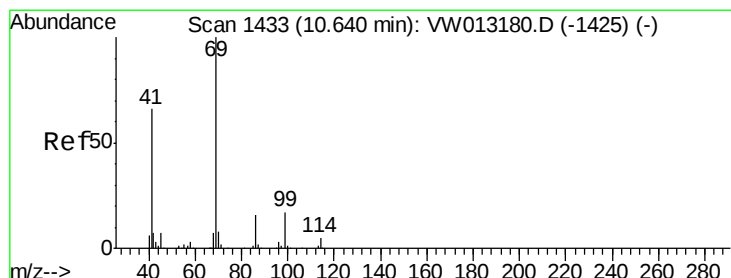
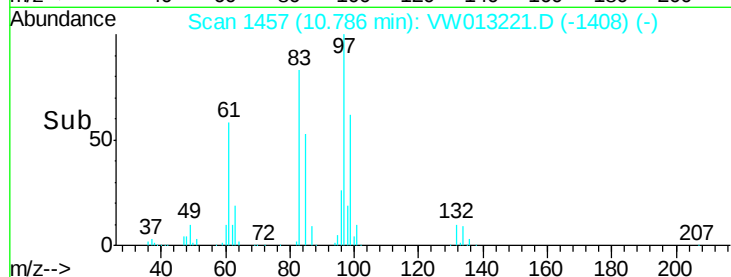
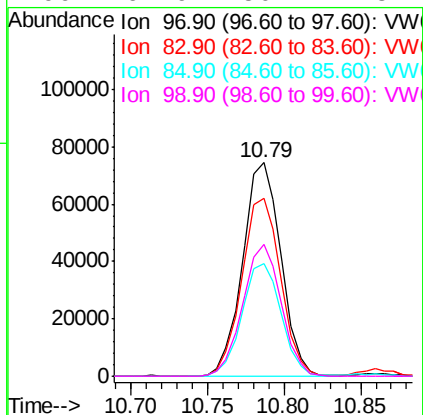
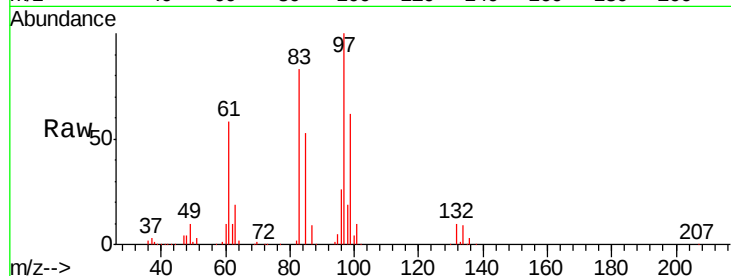




#55
 1,1,2-Trichloroethane
 Concen: 50.954 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

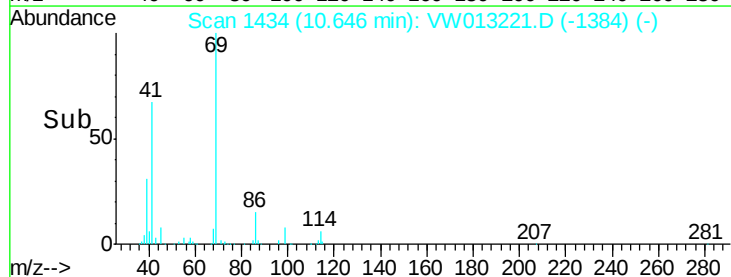
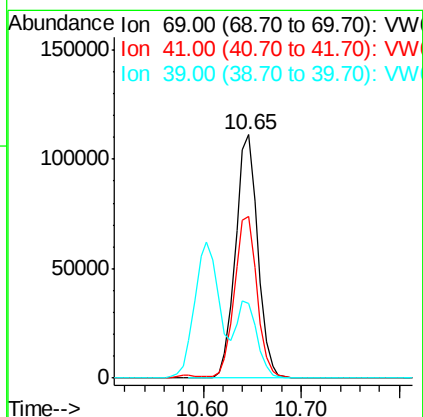
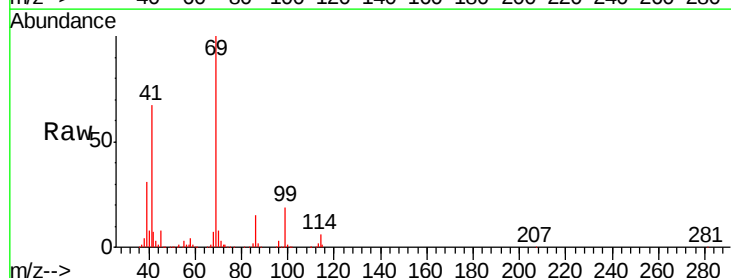
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

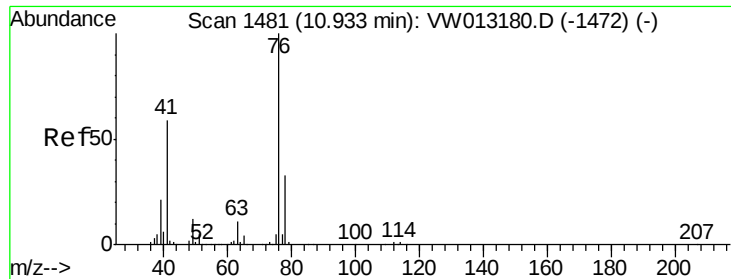
Tgt Ion:	97	Resp:	129644
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.6	101.4
85	52.5	41.9	62.9
99	61.9	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 52.798 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion:	69	Resp:	175806
Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.9	80.9
39	28.9	23.8	35.6

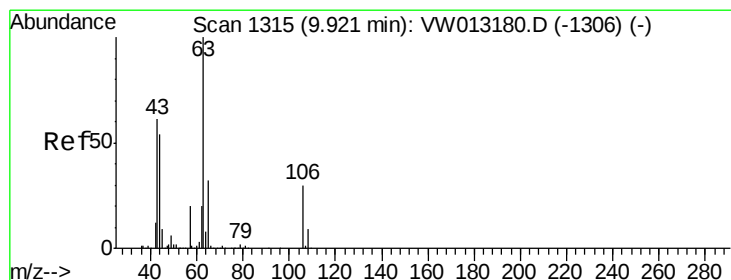
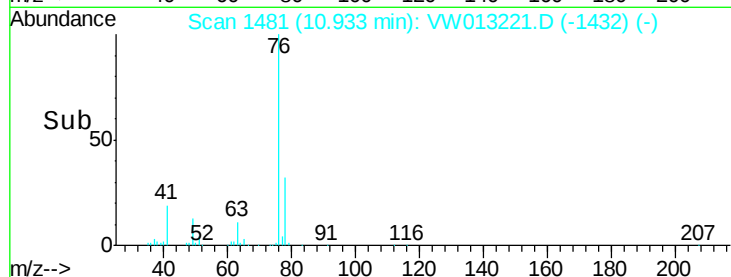
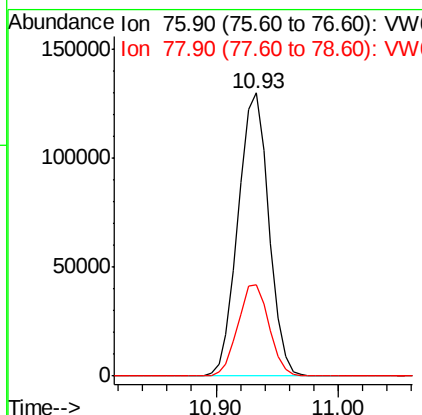
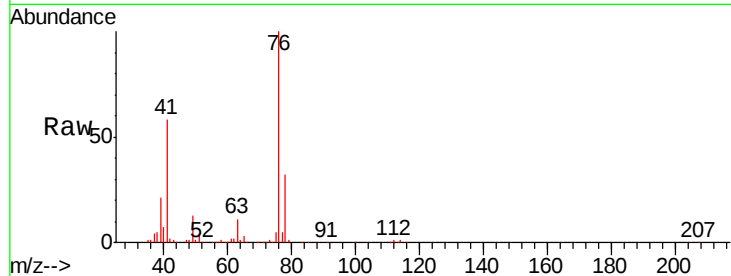




#57
 1,3-Dichloropropane
 Concen: 51.014 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

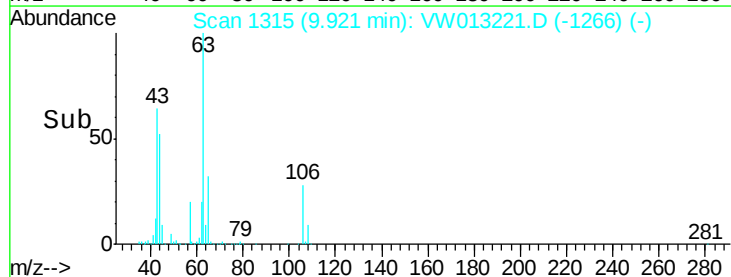
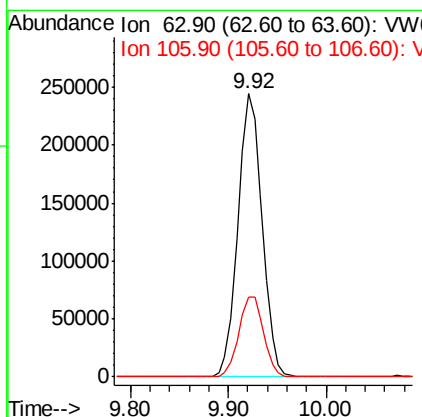
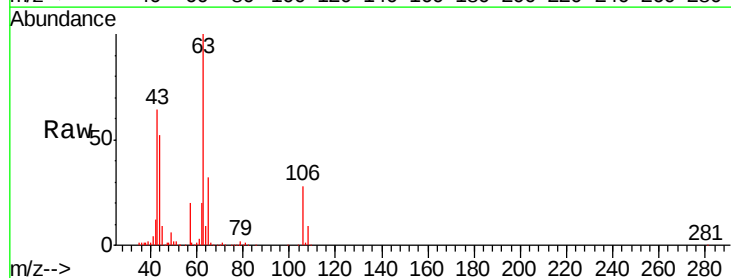
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

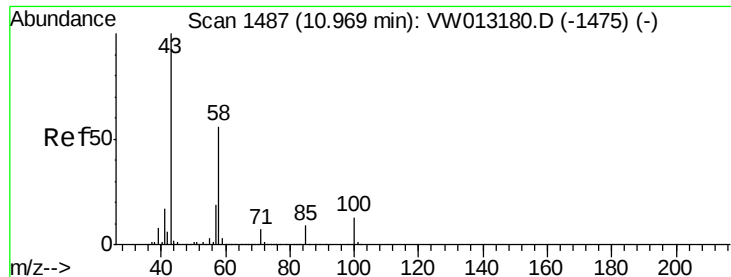
Tgt Ion: 76 Resp: 226499
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.122 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion: 63 Resp: 417941
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.4 35.0

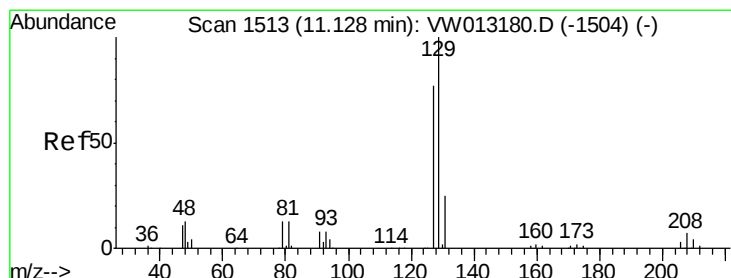
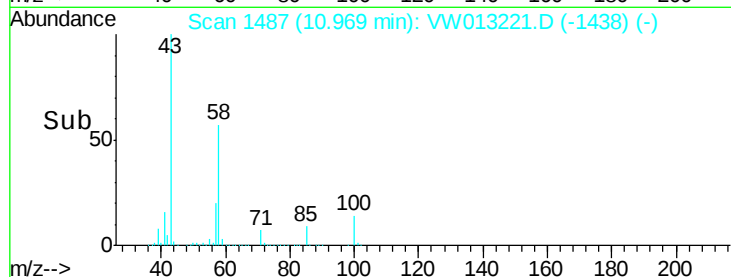
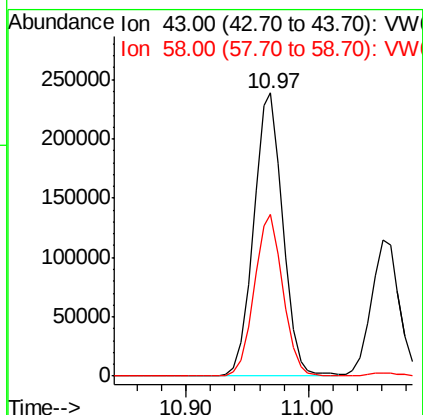
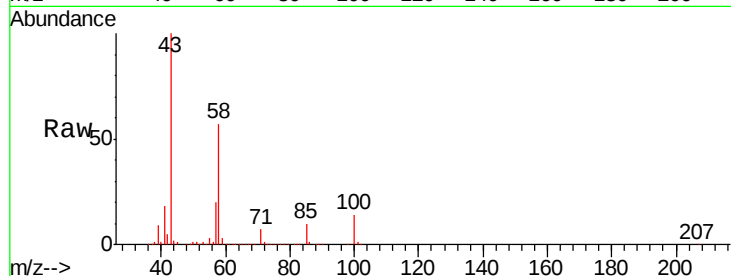




#59
2-Hexanone
Concen: 273.771 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

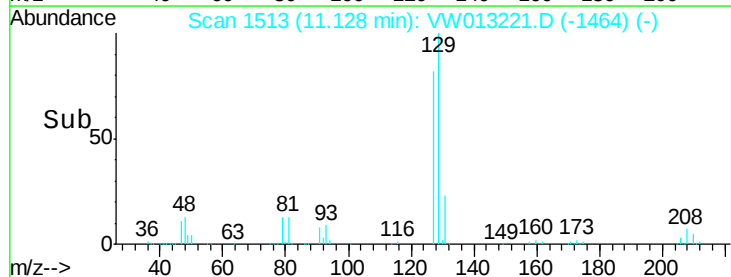
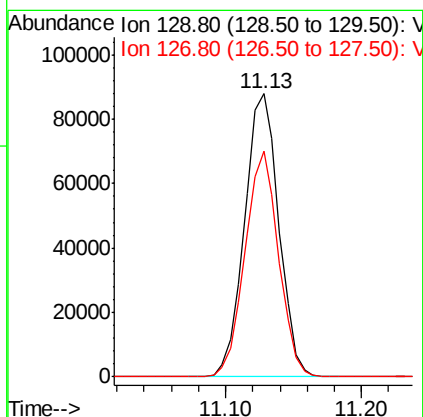
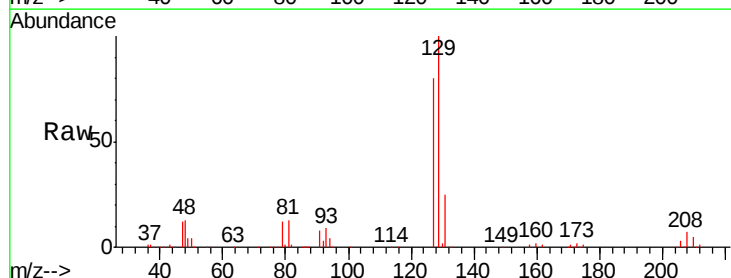
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

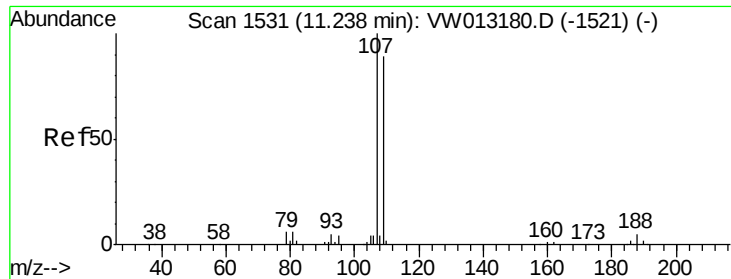
Tgt Ion: 43 Resp: 396011
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.2



#60
Dibromochloromethane
Concen: 53.661 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 129 Resp: 155028
Ion Ratio Lower Upper
129 100
127 77.9 38.8 116.4

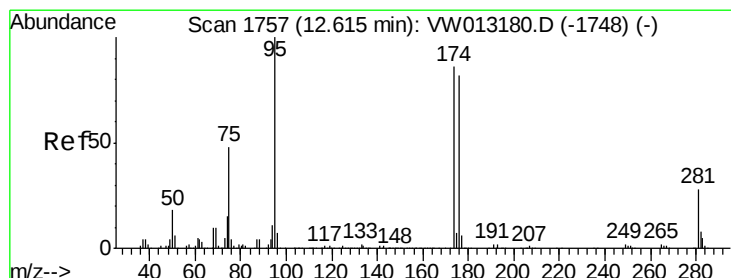
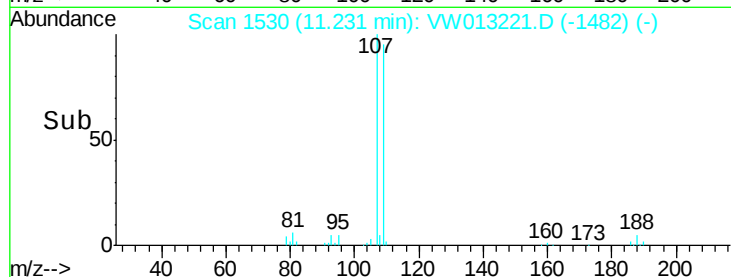
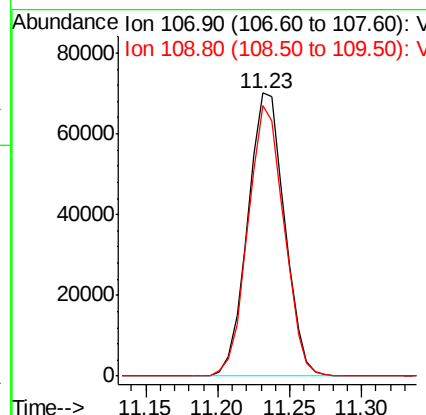
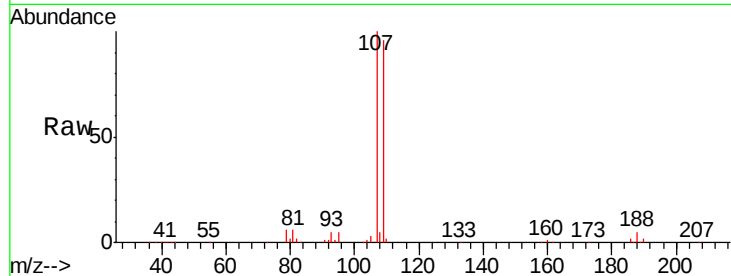




#61
 1,2-Dibromoethane
 Concen: 51.184 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

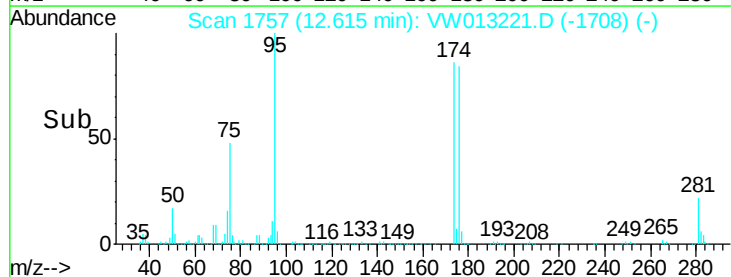
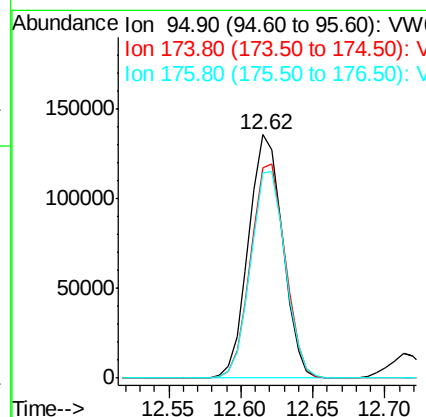
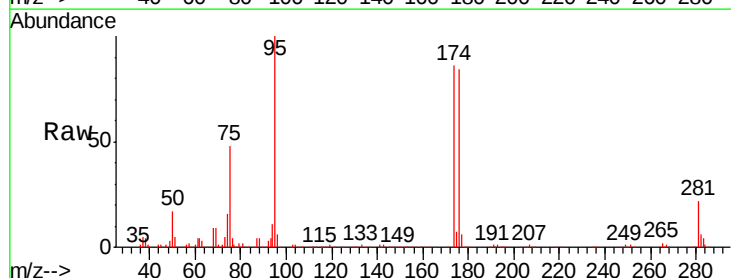
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

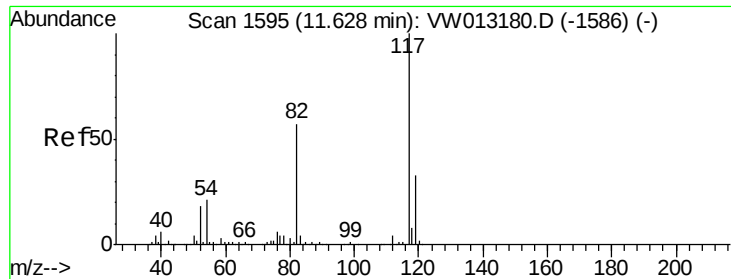
Tgt Ion: 107 Resp: 123820
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 53.097 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion: 95 Resp: 221927
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 178.4
 176 86.1 0.0 172.2

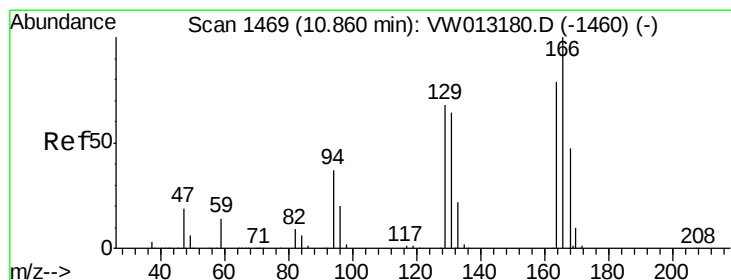
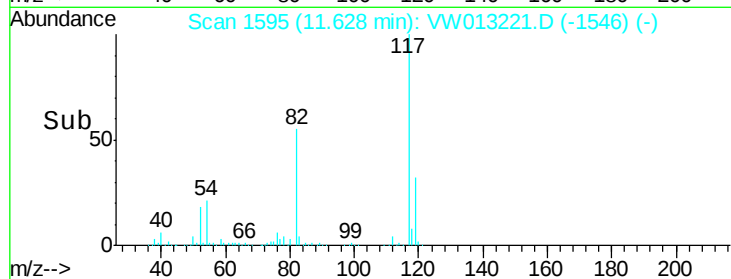
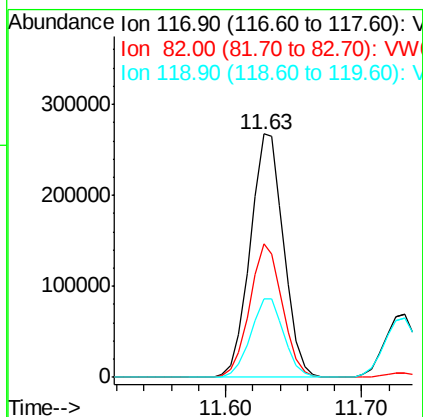
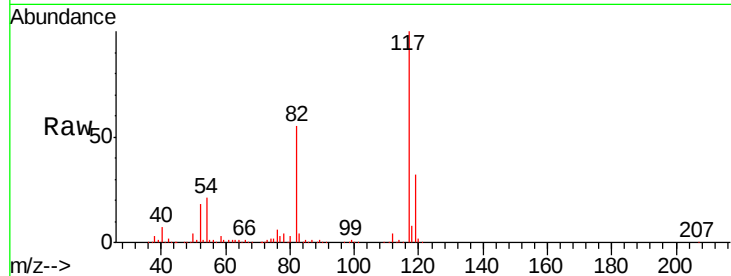




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

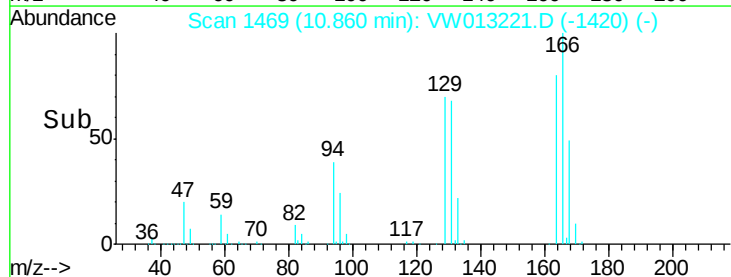
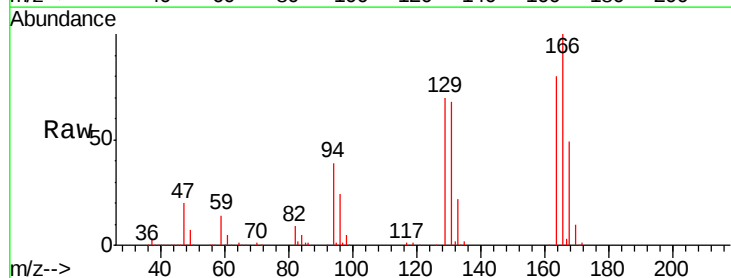
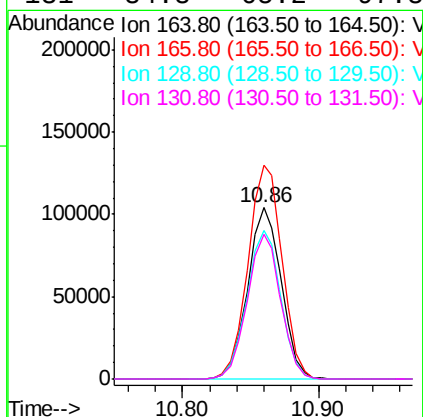
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

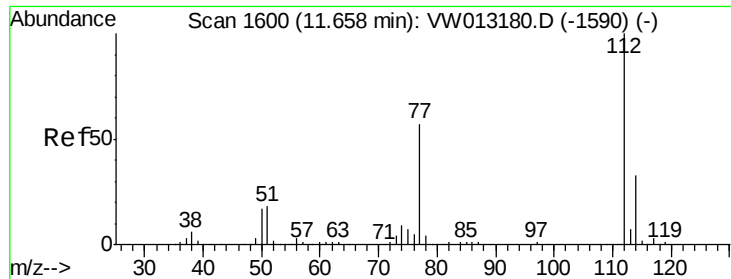
Tgt Ion:117 Resp: 459871
Ion Ratio Lower Upper
117 100
82 54.7 45.9 68.9
119 32.3 26.2 39.2



#64
Tetrachloroethene
Concen: 51.538 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion:164 Resp: 179827
Ion Ratio Lower Upper
164 100
166 124.7 101.2 151.8
129 86.7 68.8 103.2
131 84.8 65.2 97.8

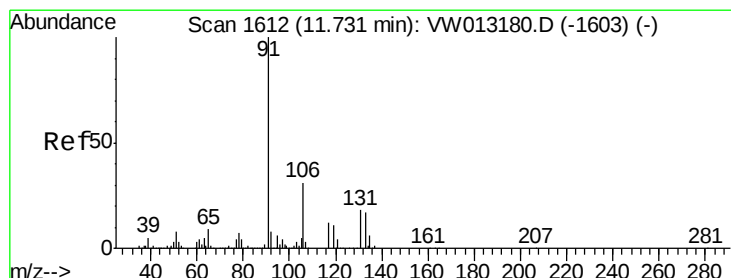
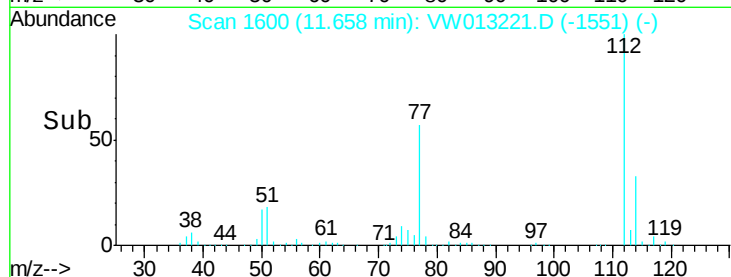
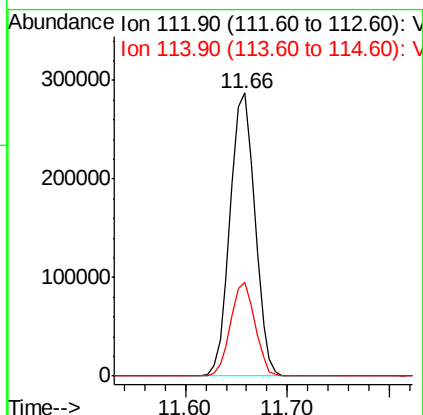
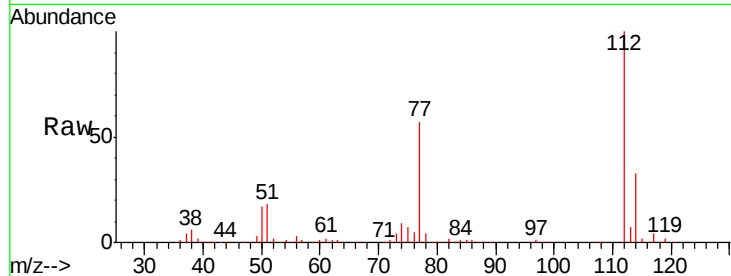




#65
Chlorobenzene
Concen: 50.391 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

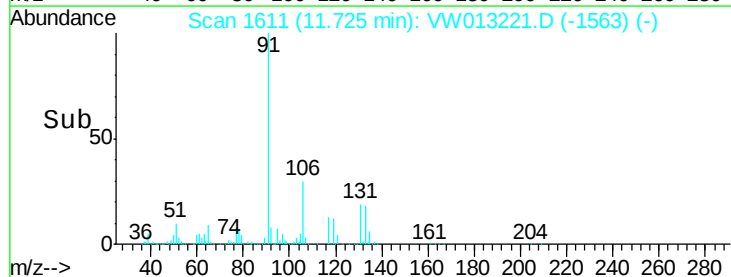
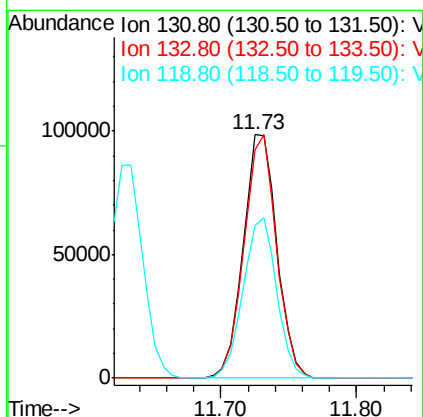
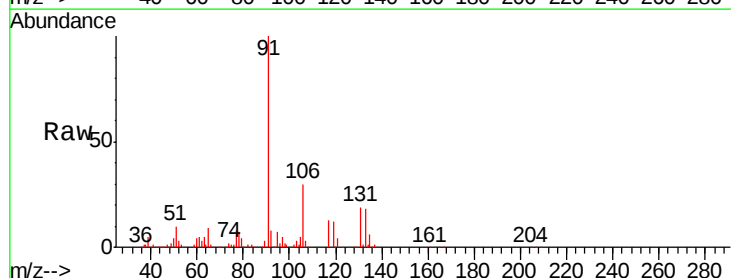
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

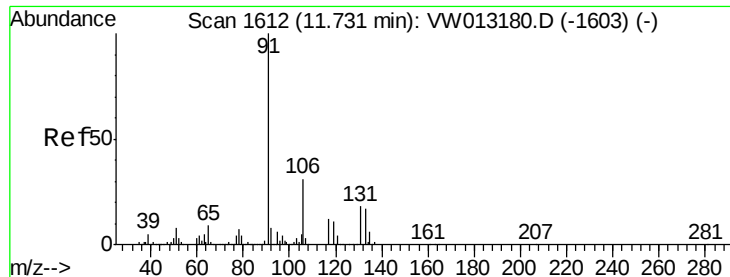
Tgt Ion:112 Resp: 483907
Ion Ratio Lower Upper
112 100
114 33.3 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.143 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion:131 Resp: 171066
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.6
119 65.3 32.5 97.5

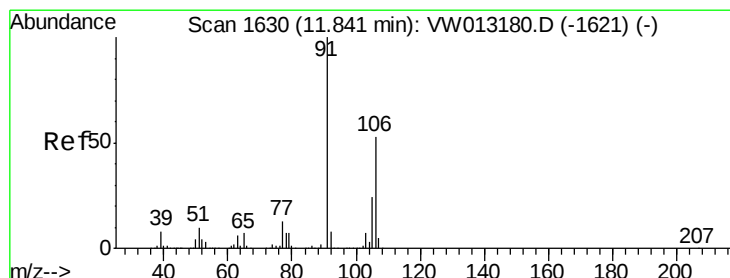
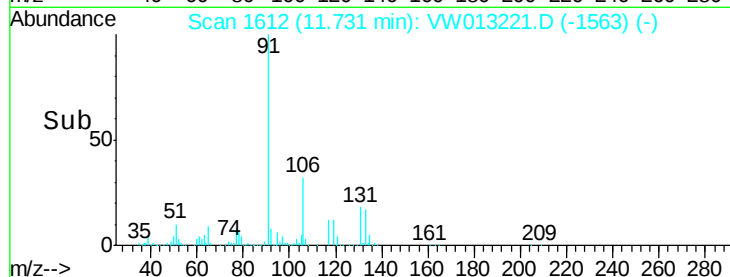
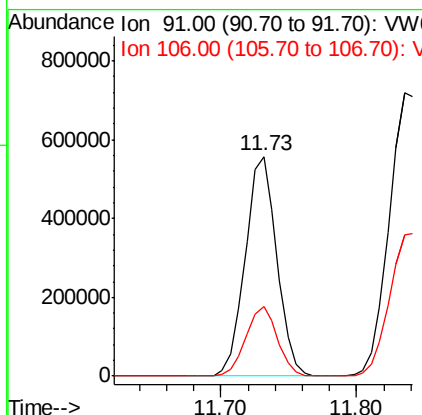
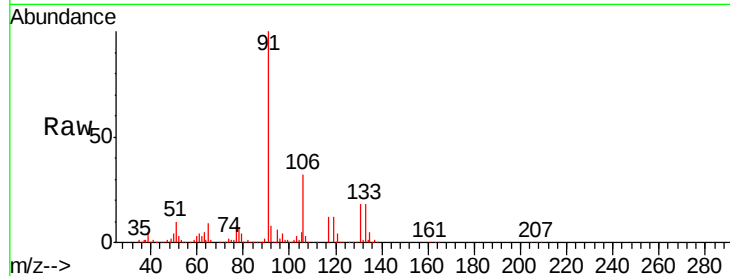




#67
Ethyl Benzene
Concen: 51.860 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

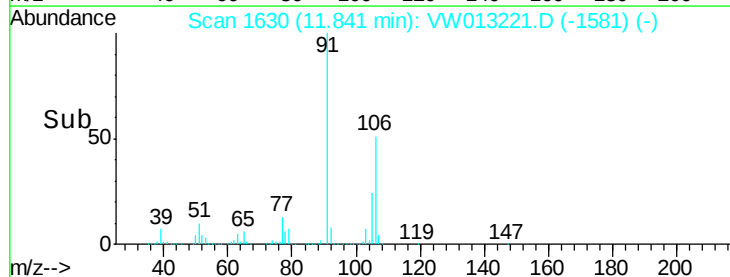
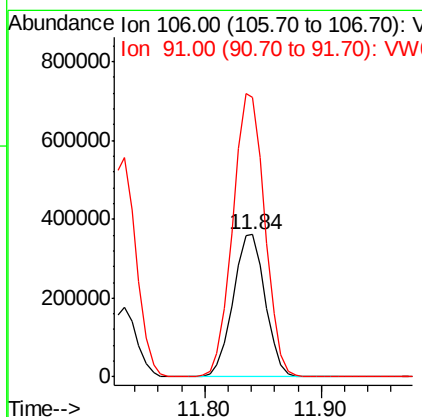
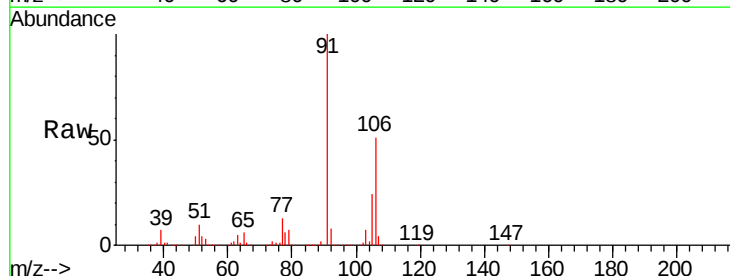
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

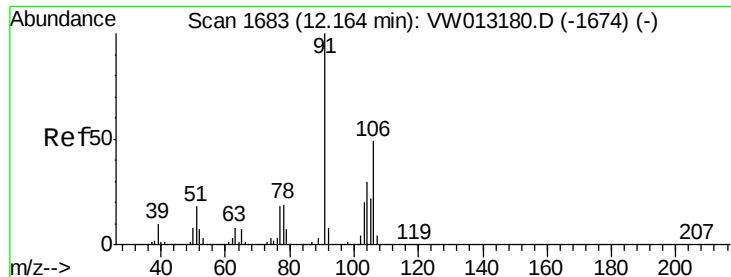
Tgt Ion: 91 Resp: 902348
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3



#68
m/p-Xylenes
Concen: 104.176 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 106 Resp: 690721
Ion Ratio Lower Upper
106 100
91 199.2 157.9 236.9

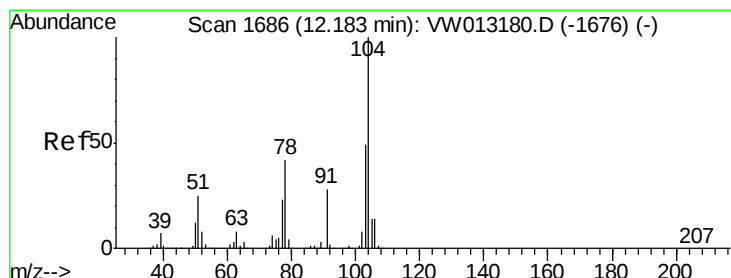
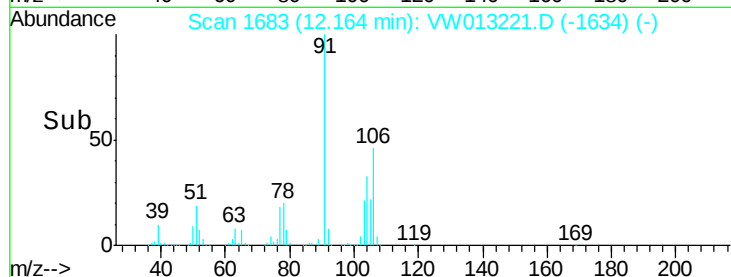
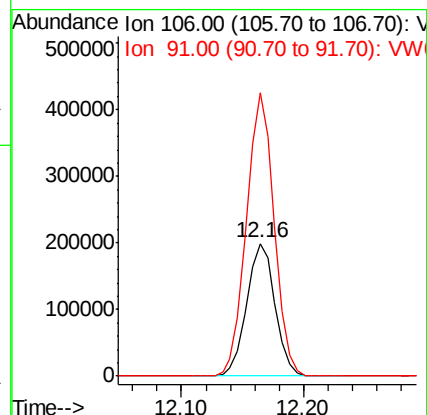
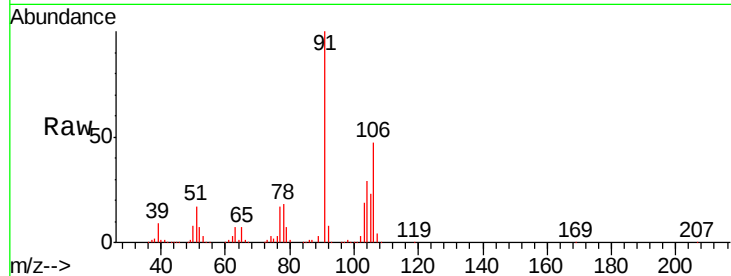




#69
o-Xylene
Concen: 51.808 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

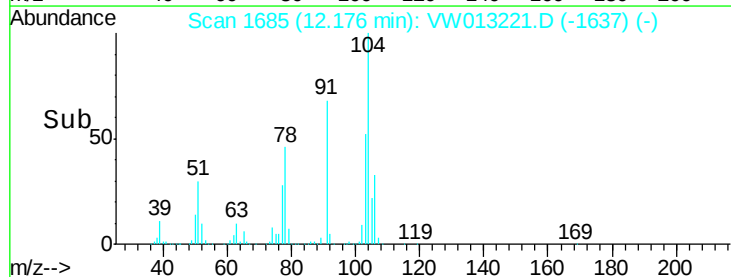
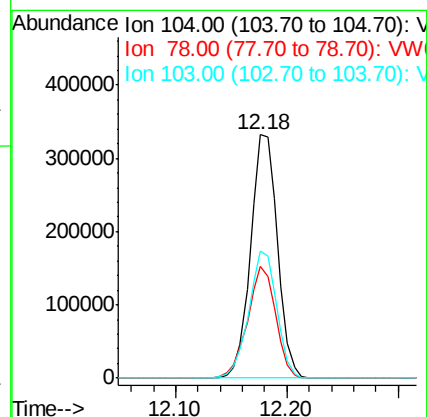
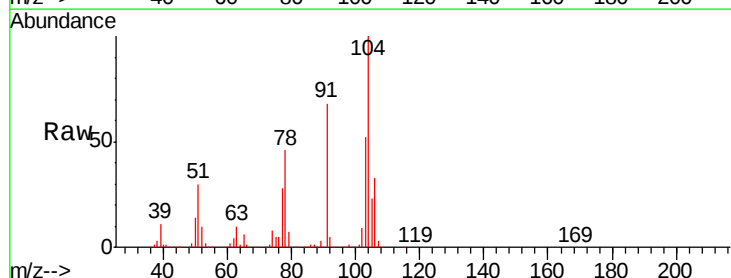
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

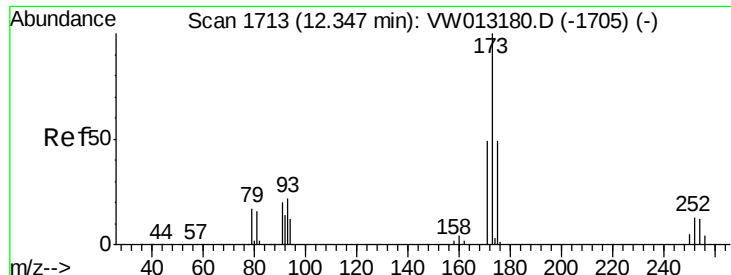
Tgt Ion:106 Resp: 319364
Ion Ratio Lower Upper
106 100
91 209.2 106.5 319.5



#70
Styrene
Concen: 52.721 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion:104 Resp: 557947
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 54.3 43.3 64.9

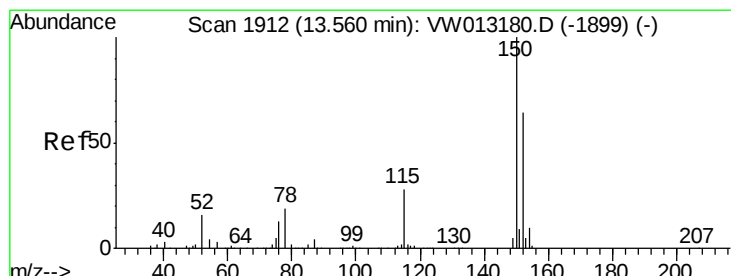
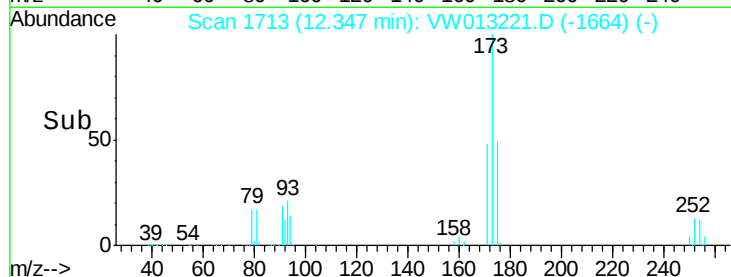
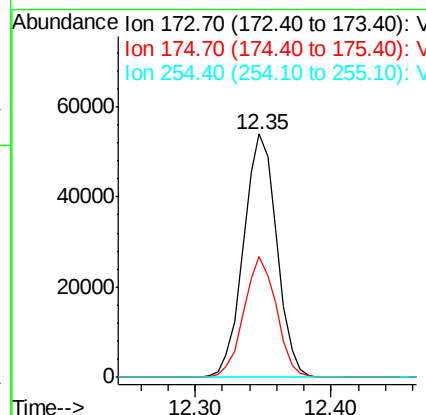
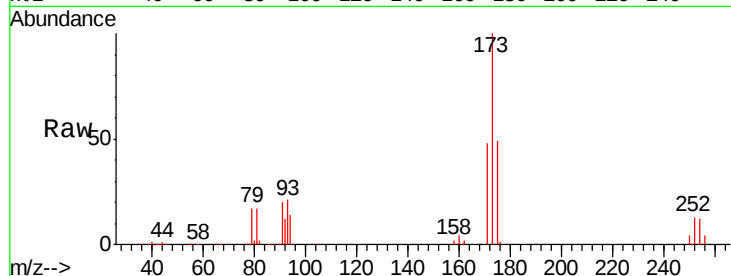




#71
Bromoform
Concen: 53.081 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

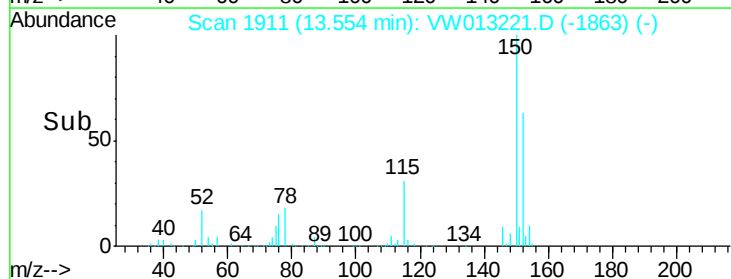
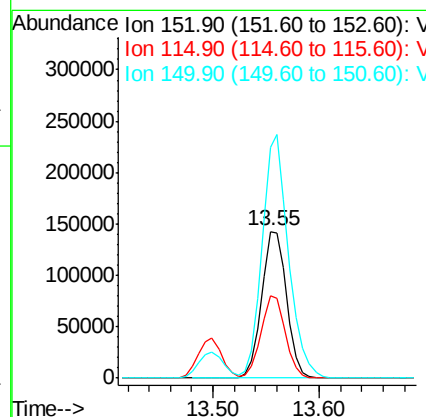
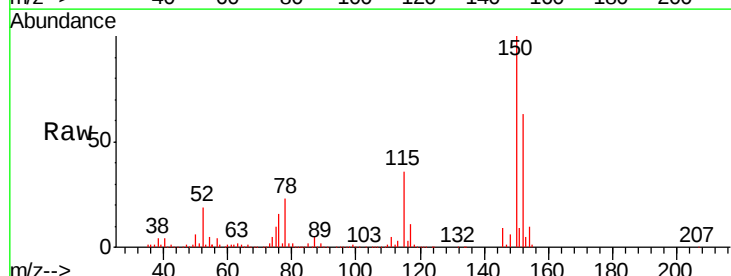
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

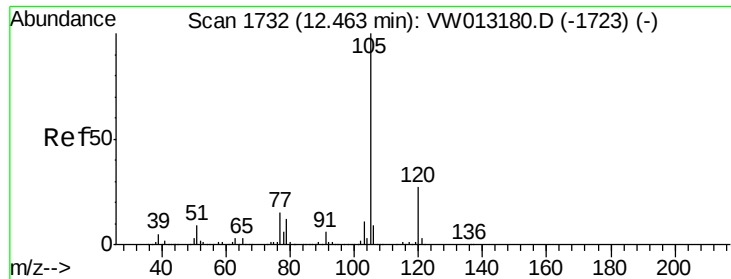
Tgt Ion:173 Resp: 92001
Ion Ratio Lower Upper
173 100
175 48.6 24.3 73.0
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion:152 Resp: 233912
Ion Ratio Lower Upper
152 100
115 54.9 27.3 81.9
150 174.4 0.0 349.0





#73

Isopropylbenzene

Concen: 52.041 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

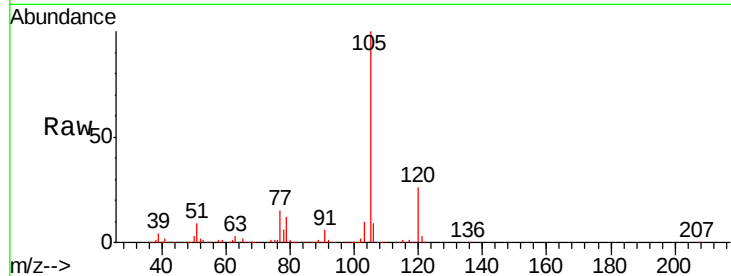
VSTDCCC050

Tgt Ion: 105 Resp: 899231

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

12.46

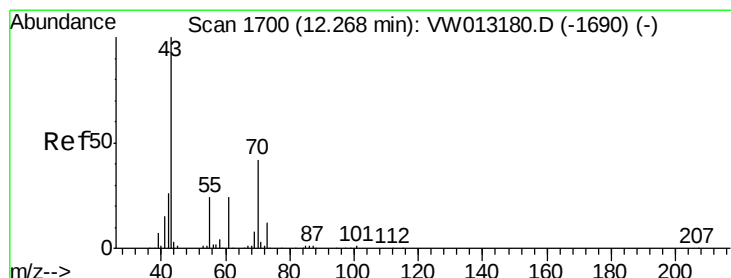
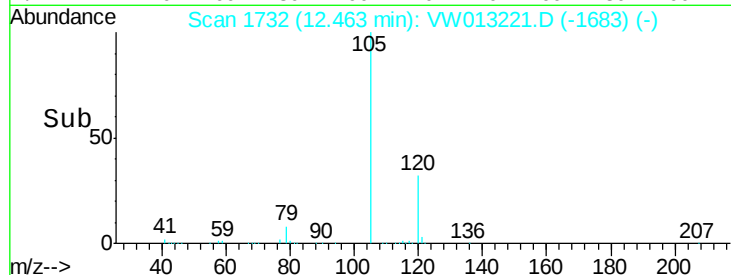
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 51.505 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Tgt Ion: 43 Resp: 197483

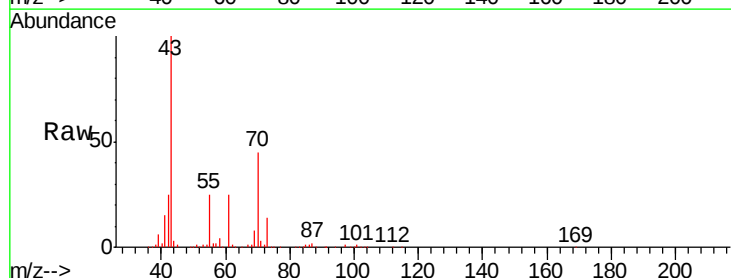
Ion Ratio Lower Upper

43 100

70 43.6 35.1 52.7

55 24.8 19.9 29.9

61 24.8 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

12.27

200000

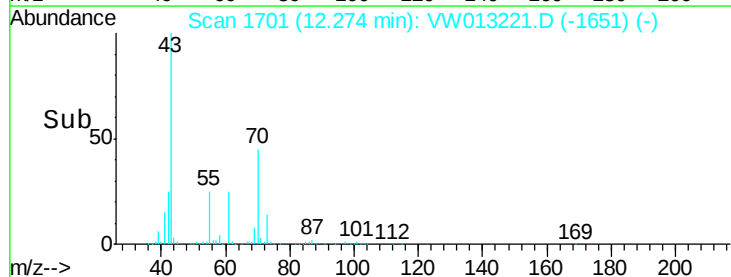
150000

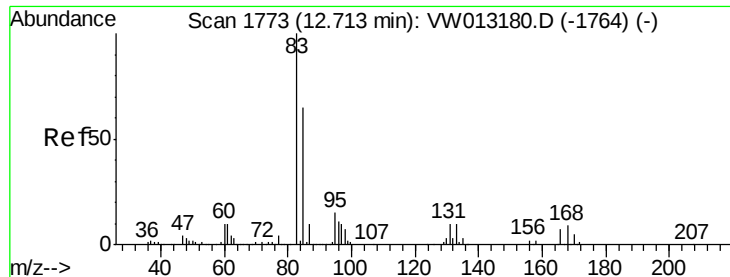
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.373 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

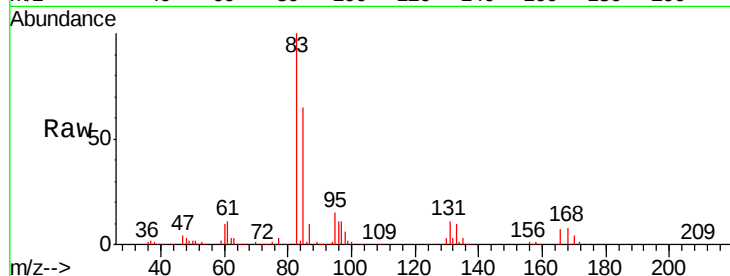
Tgt Ion: 83 Resp: 145568

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

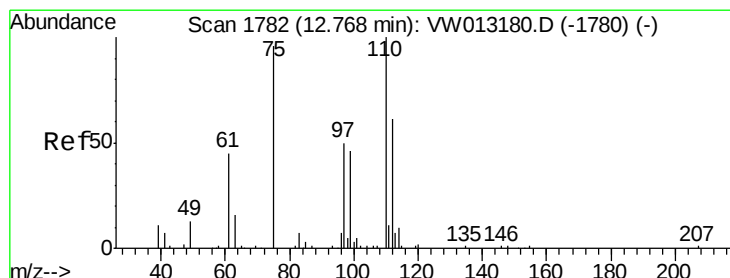
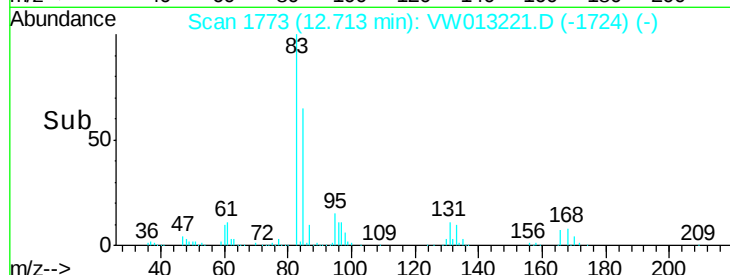
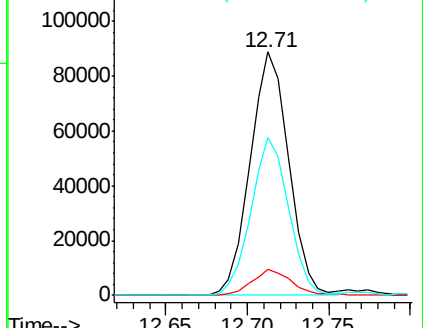
85 63.1 31.9 95.9



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: 90.316 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013221.D

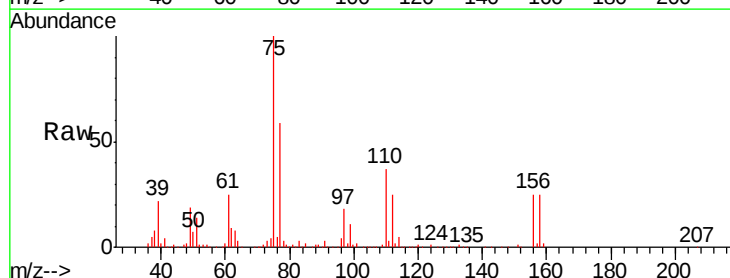
Acq: 23 Sep 2019 10:32

Tgt Ion: 75 Resp: 186571

Ion Ratio Lower Upper

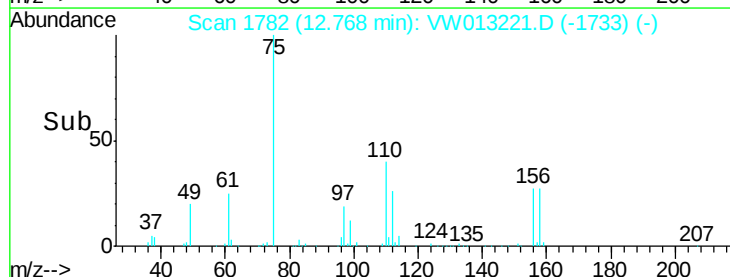
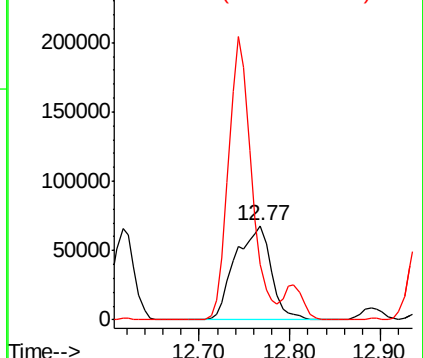
75 100

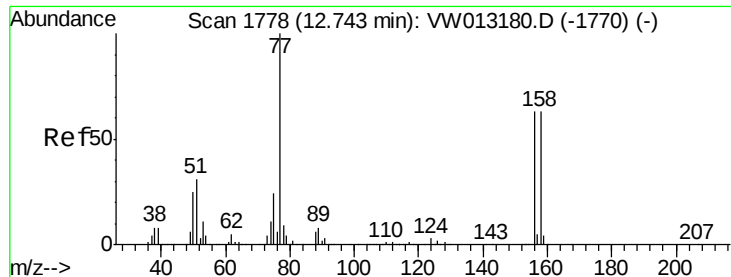
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

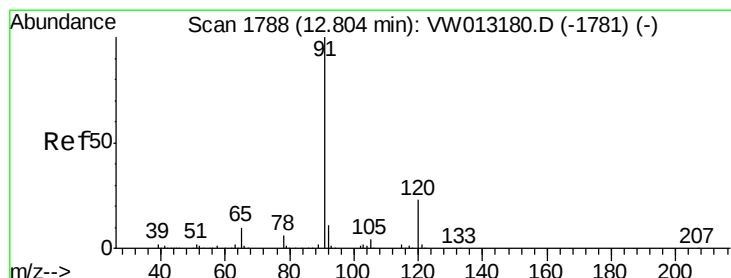
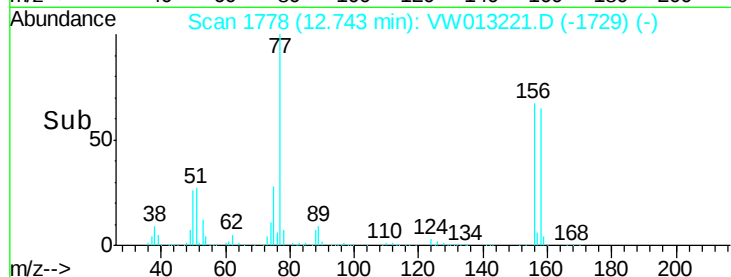
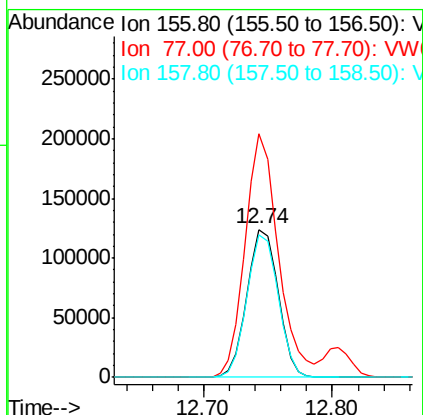
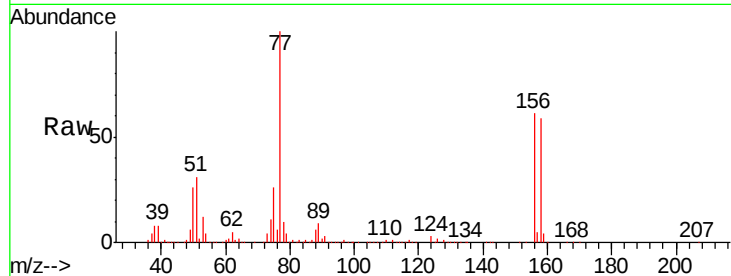




#77
Bromobenzene
Concen: 50.834 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

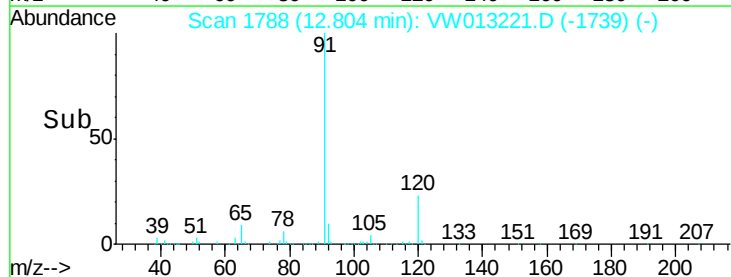
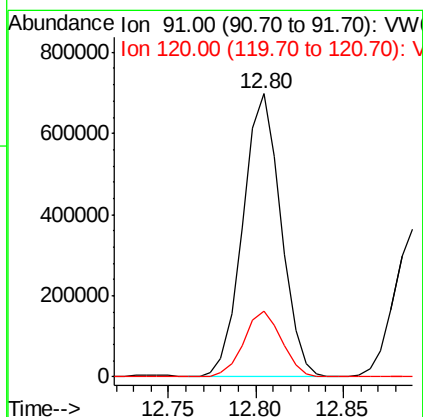
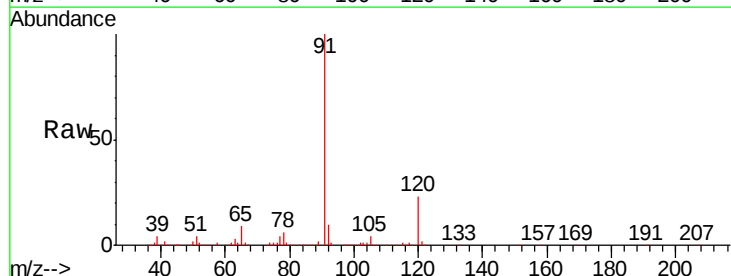
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

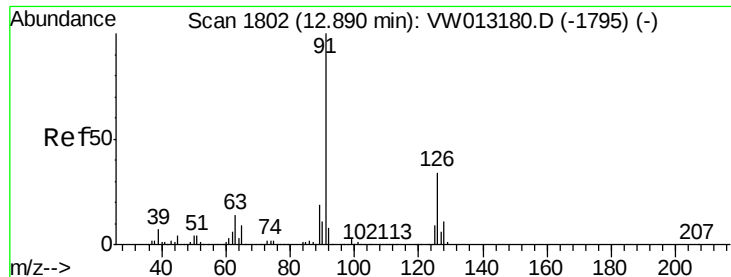
Tgt Ion: 156 Resp: 208152
Ion Ratio Lower Upper
156 100
77 174.5 85.7 257.1
158 96.2 48.1 144.4



#78
n-propylbenzene
Concen: 52.177 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 91 Resp: 1055336
Ion Ratio Lower Upper
91 100
120 23.2 11.7 35.1





#79

2-Chlorotoluene

Concen: 51.695 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

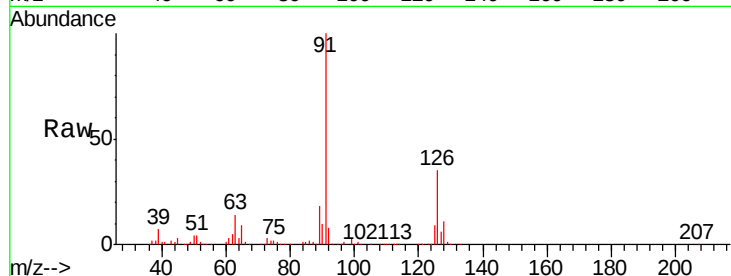
VSTDCCC050

Tgt Ion: 91 Resp: 585774

Ion Ratio Lower Upper

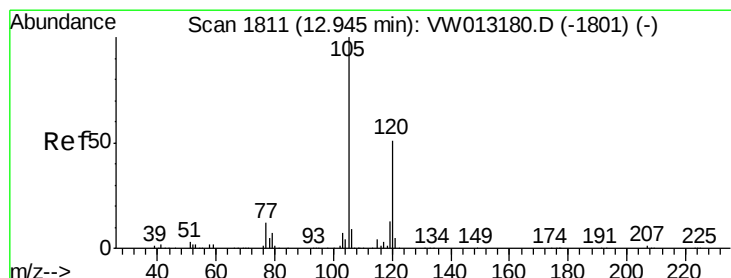
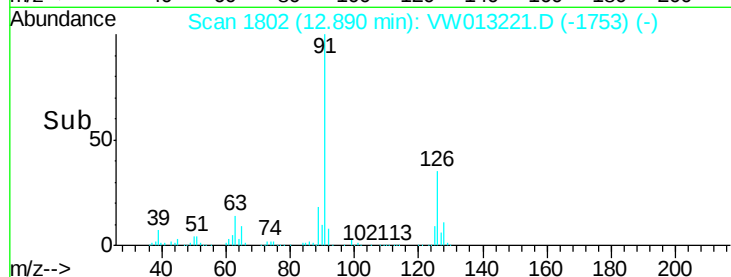
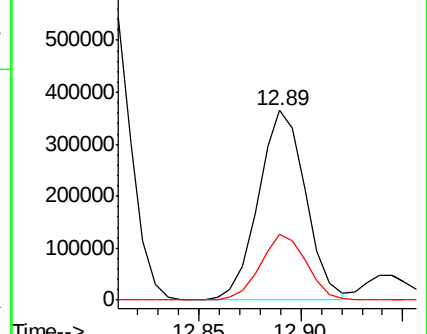
91 100

126 34.1 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: 51.560 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013221.D

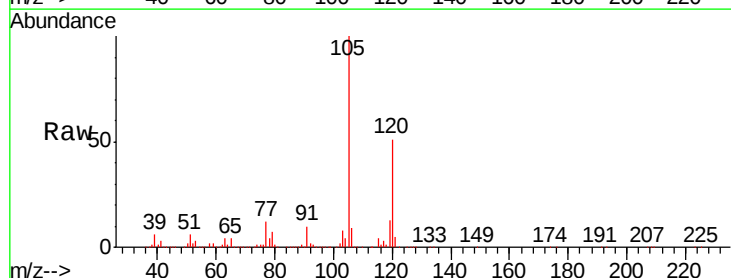
Acq: 23 Sep 2019 10:32

Tgt Ion: 105 Resp: 748913

Ion Ratio Lower Upper

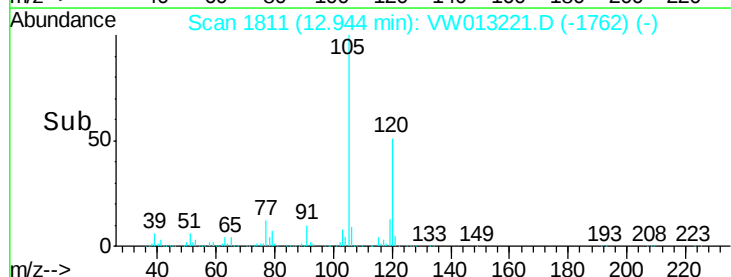
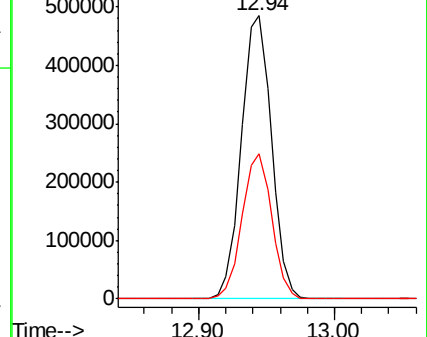
105 100

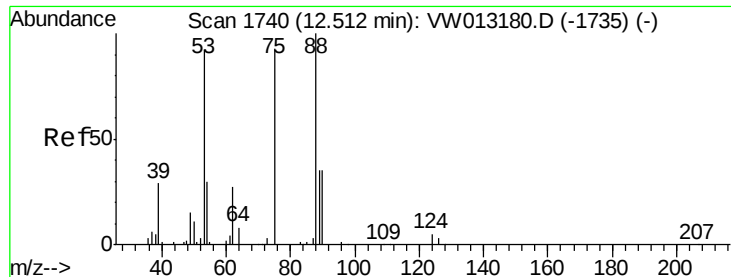
120 50.6 24.9 74.8



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: 53.735 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

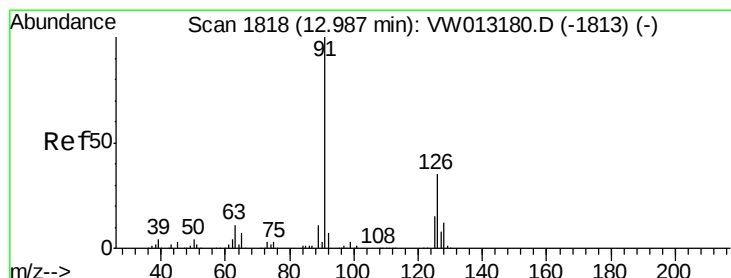
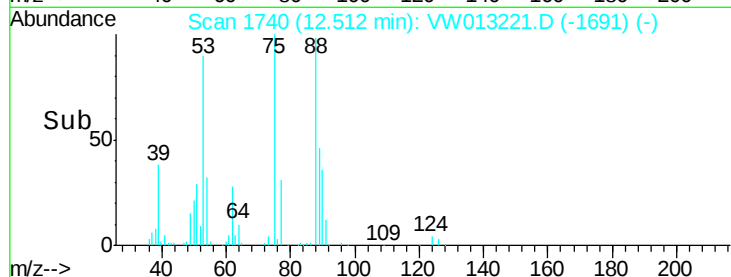
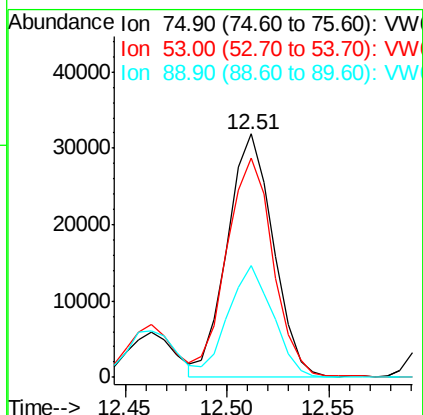
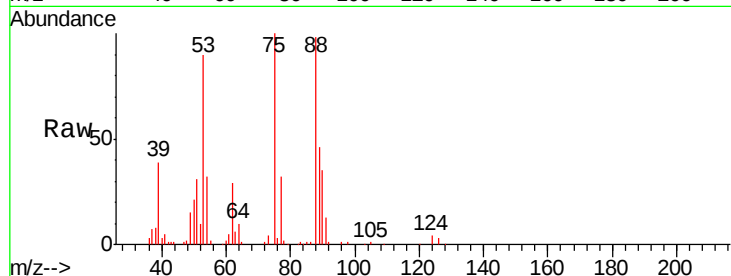
Tgt Ion: 75 Resp: 49469

Ion Ratio Lower Upper

75 100

53 91.1 76.6 114.8

89 44.2 33.5 50.3



#82

4-Chlorotoluene

Concen: 51.123 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013221.D

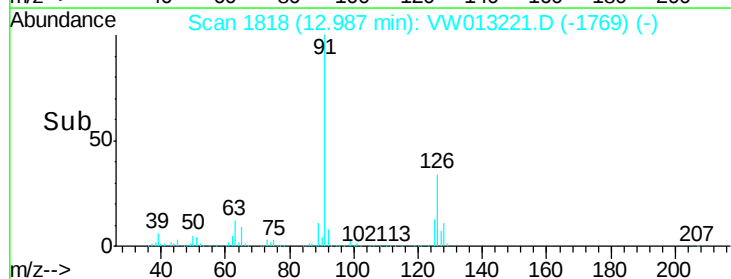
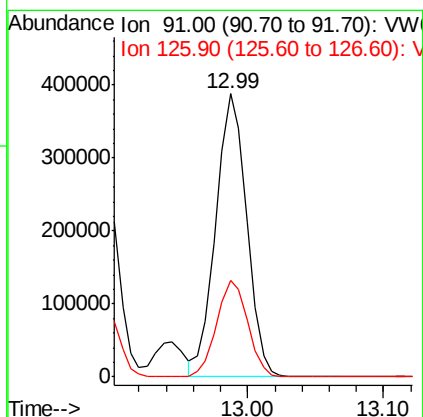
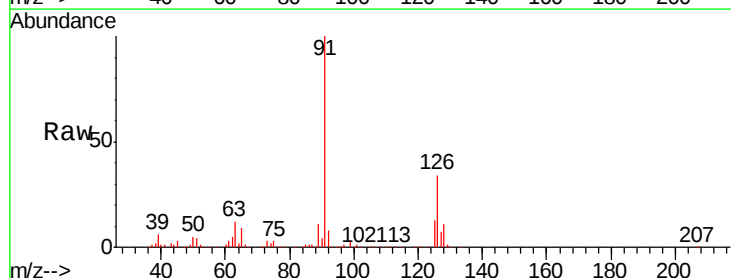
Acq: 23 Sep 2019 10:32

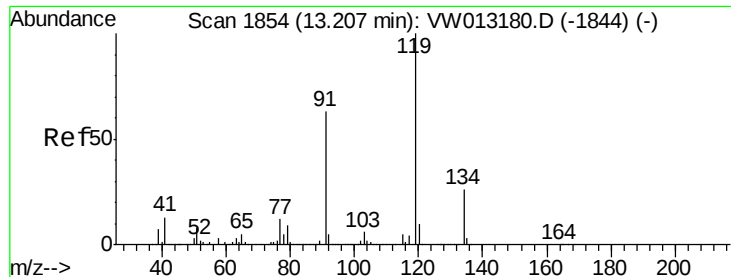
Tgt Ion: 91 Resp: 610881

Ion Ratio Lower Upper

91 100

126 34.6 17.3 51.7

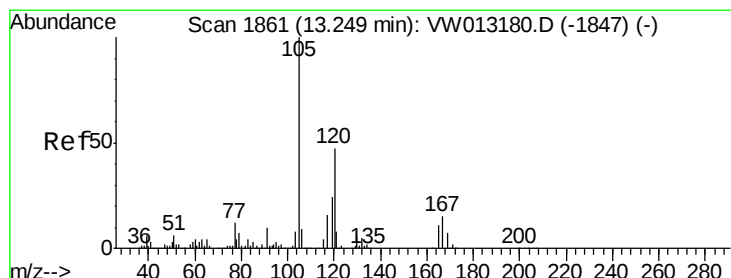
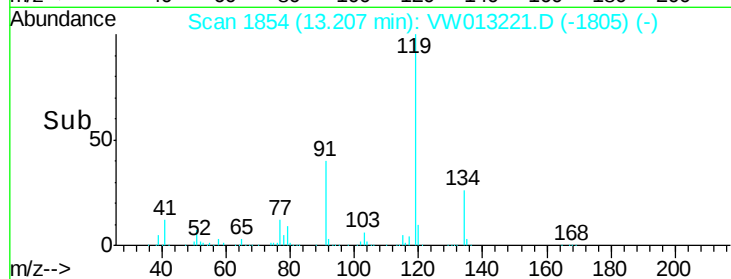
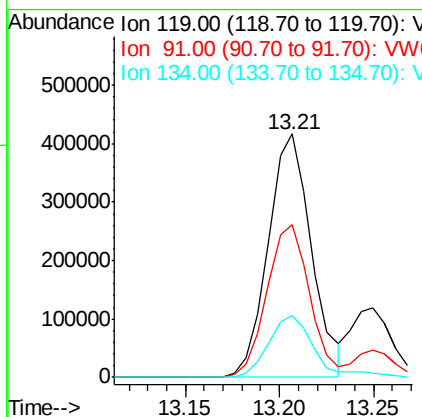
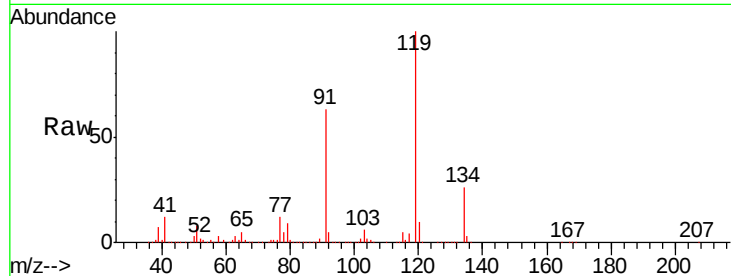




#83
 tert-Butylbenzene
 Concen: 52.036 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

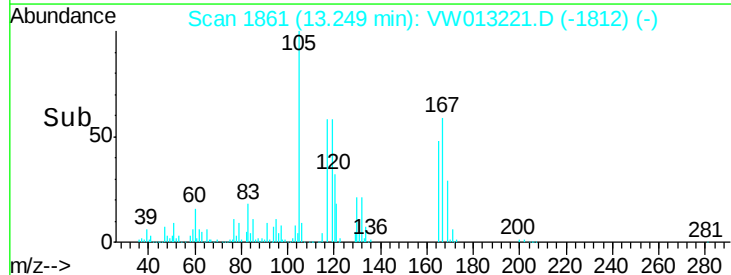
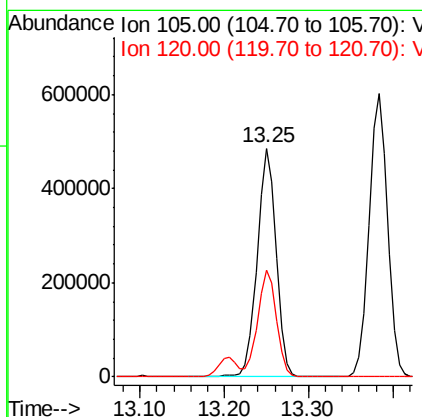
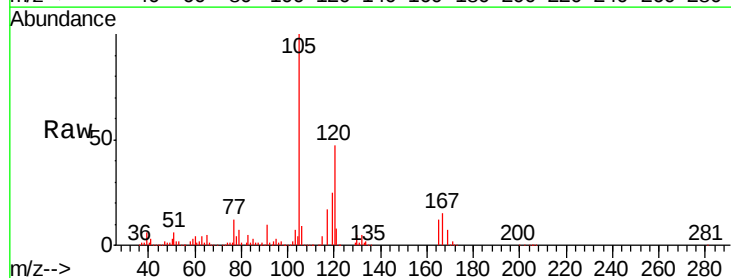
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

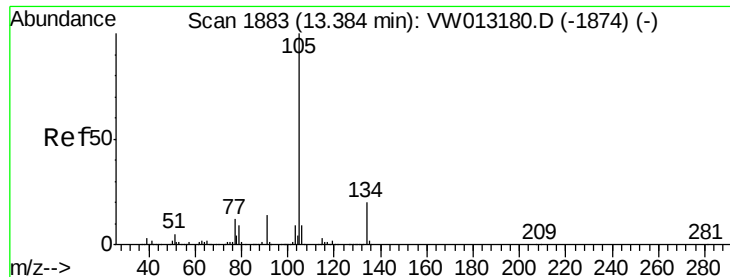
Tgt Ion:119 Resp: 663400
 Ion Ratio Lower Upper
 119 100
 91 61.8 30.7 92.1
 134 26.9 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.439 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion:105 Resp: 743483
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 52.147 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

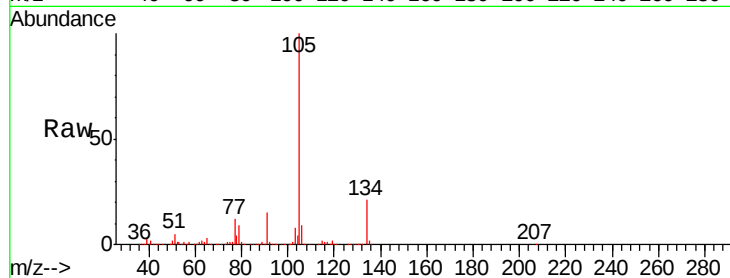
VSTDCCC050

Tgt Ion:105 Resp: 916573

Ion Ratio Lower Upper

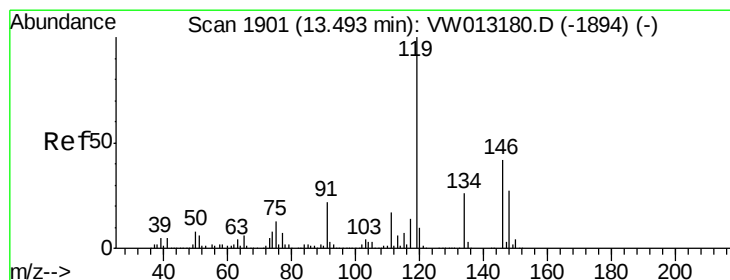
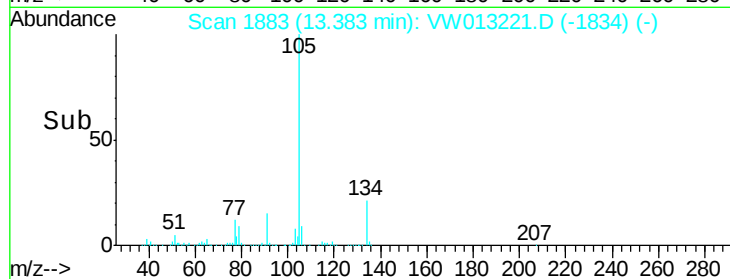
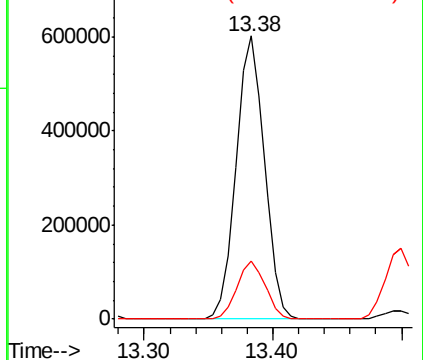
105 100

134 20.6 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.146 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

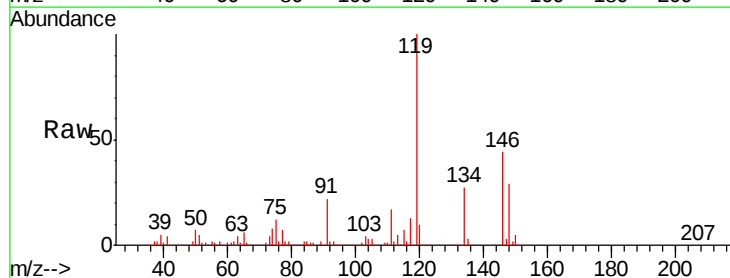
Tgt Ion:119 Resp: 850101

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

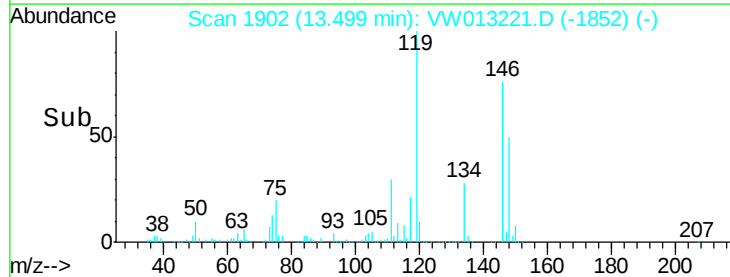
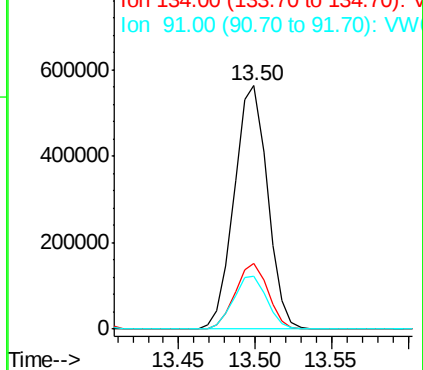
91 21.9 10.8 32.4

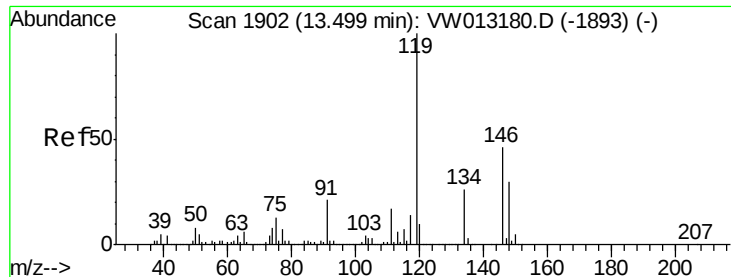


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.913 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

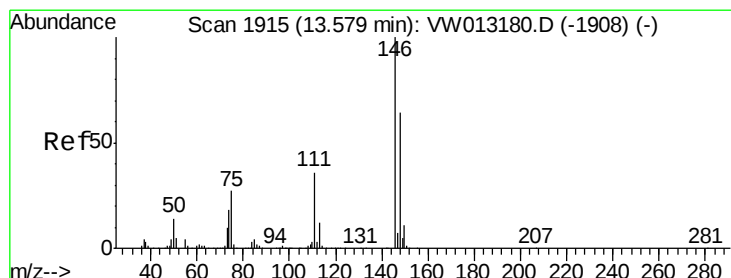
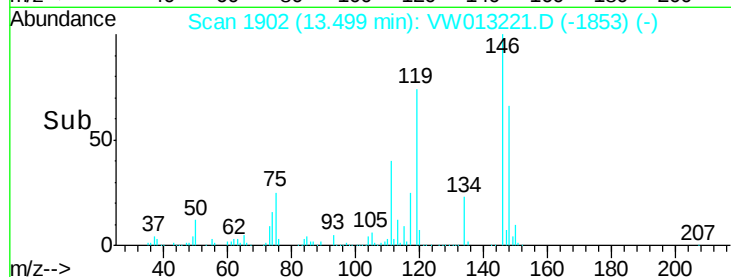
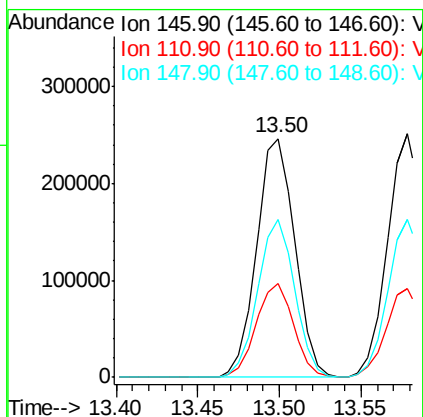
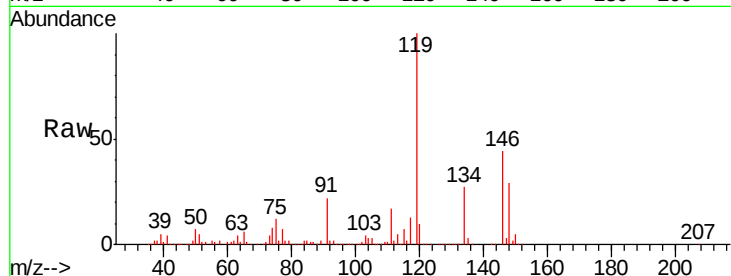
Tgt Ion:146 Resp: 401223

Ion Ratio Lower Upper

146 100

111 38.6 18.9 56.9

148 64.4 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 51.491 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

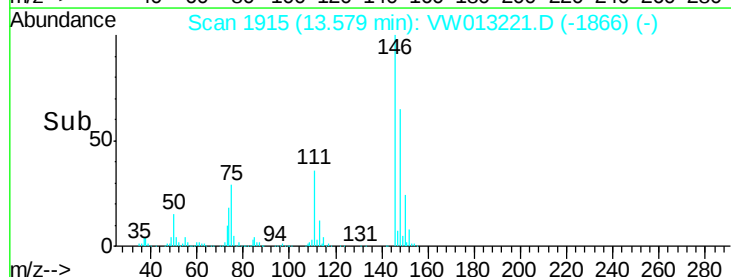
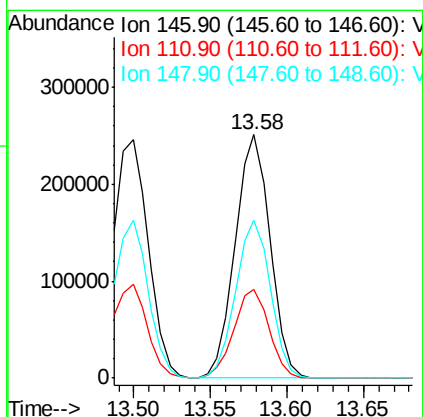
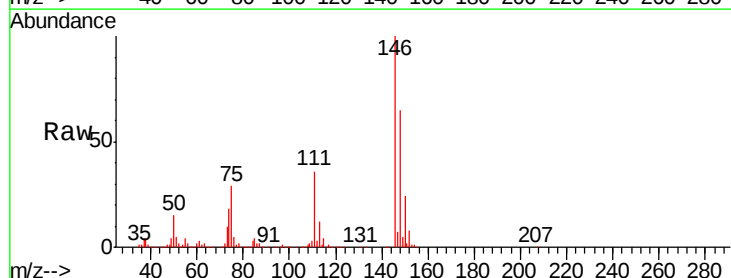
Tgt Ion:146 Resp: 397964

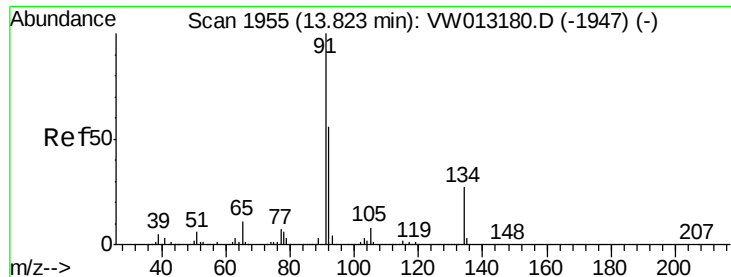
Ion Ratio Lower Upper

146 100

111 36.8 18.4 55.0

148 64.5 32.1 96.3





#89

n-Butylbenzene

Concen: 53.162 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

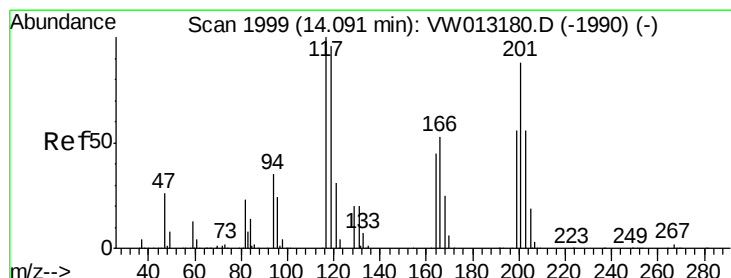
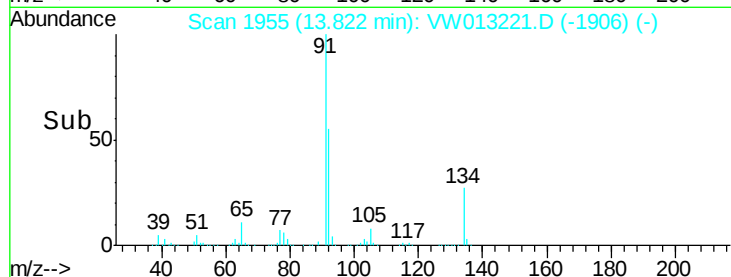
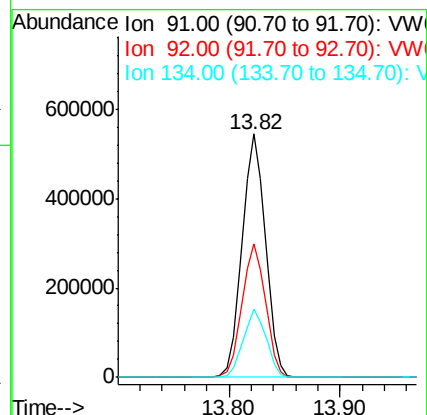
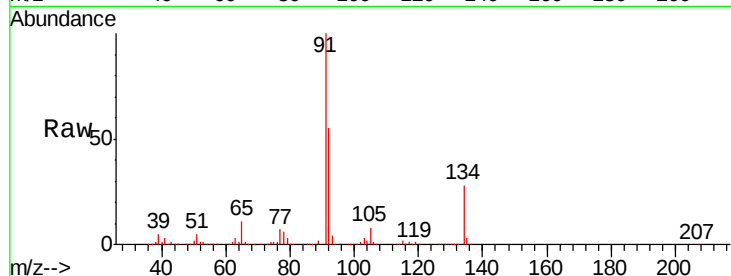
Tgt Ion: 91 Resp: 791354

Ion Ratio Lower Upper

91 100

92 54.8 27.6 82.8

134 27.5 13.7 41.1



#90

Hexachloroethane

Concen: 53.844 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013221.D

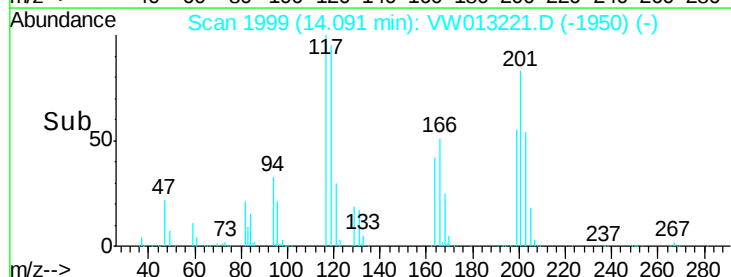
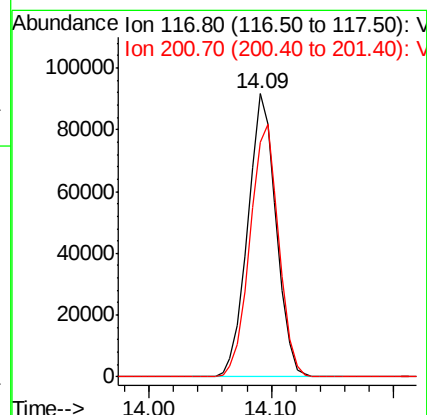
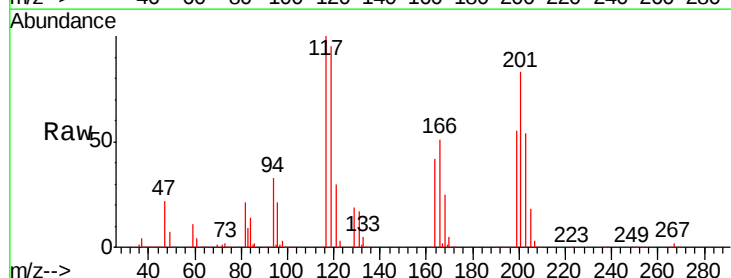
Acq: 23 Sep 2019 10:32

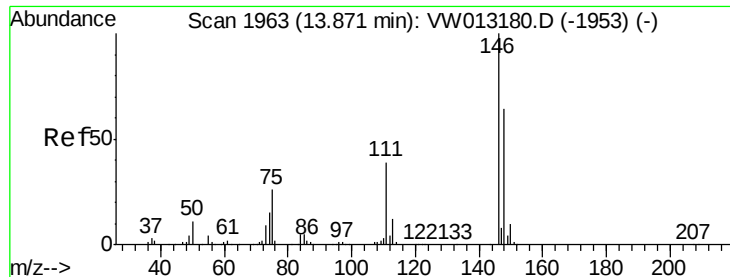
Tgt Ion: 117 Resp: 147461

Ion Ratio Lower Upper

117 100

201 90.2 44.5 133.5

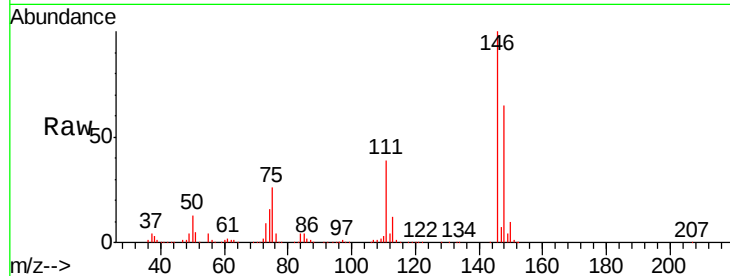




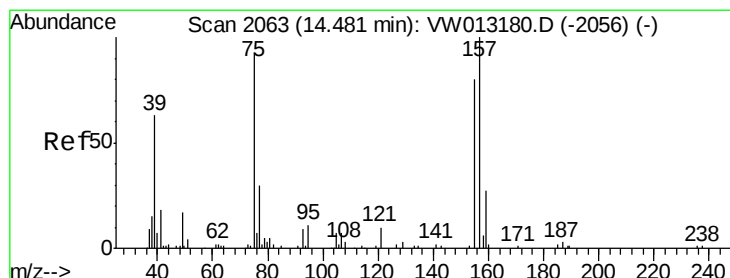
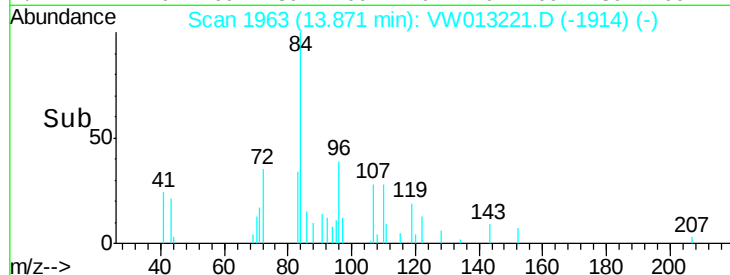
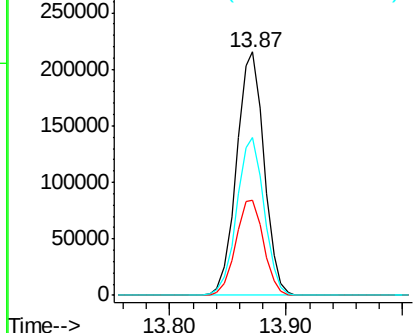
#91
 1,2-Dichlorobenzene
 Concen: 51.772 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.3
148	64.7	32.0	96.0

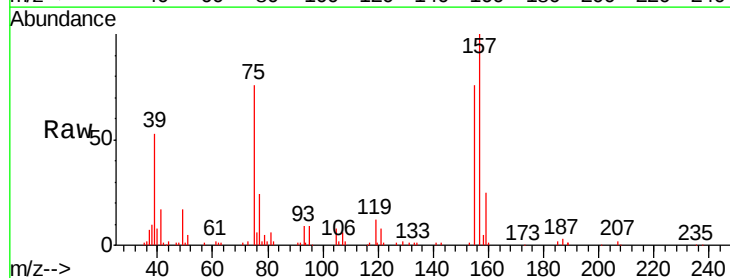


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

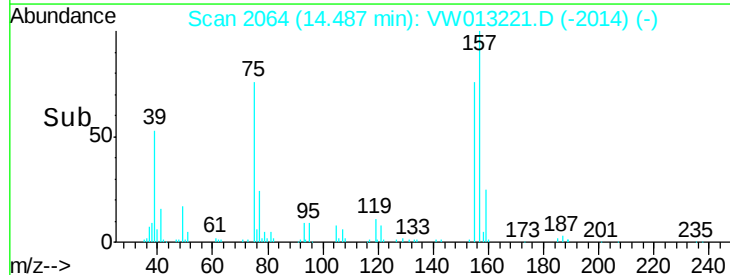
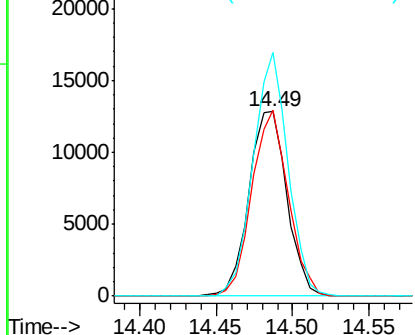


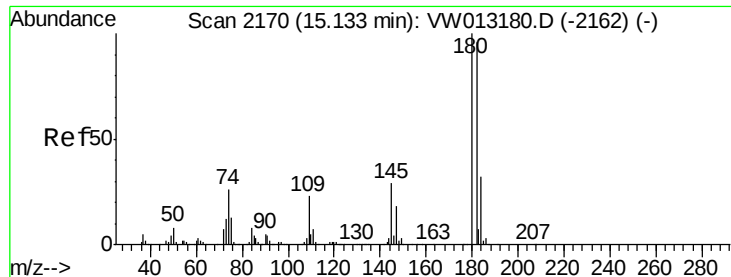
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.308 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	46.1	138.3
157	121.0	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

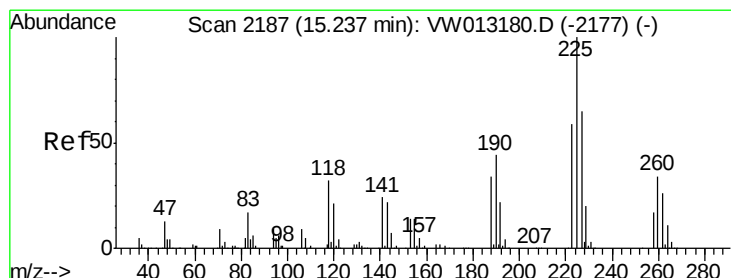
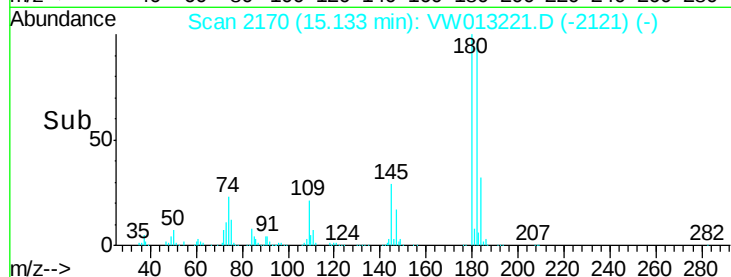
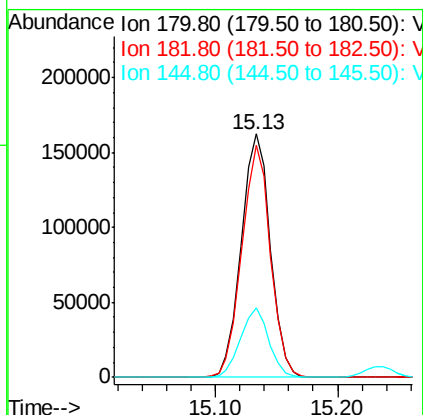
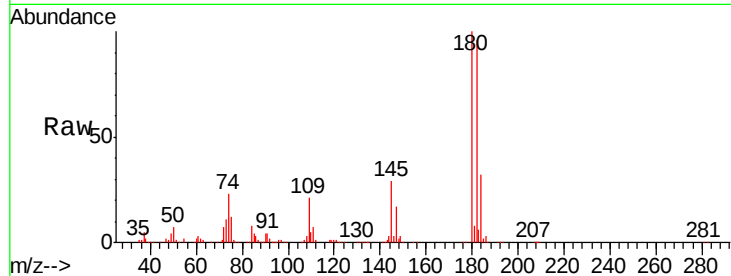




#93
 1,2,4-Trichlorobenzene
 Concen: 54.561 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

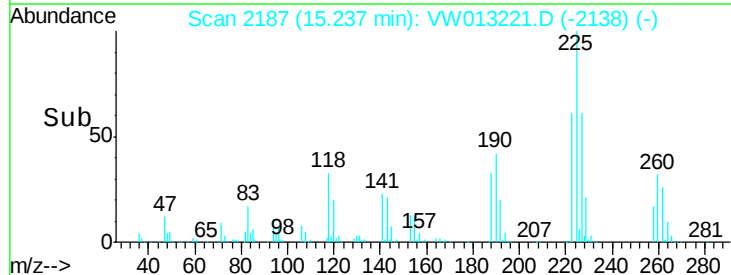
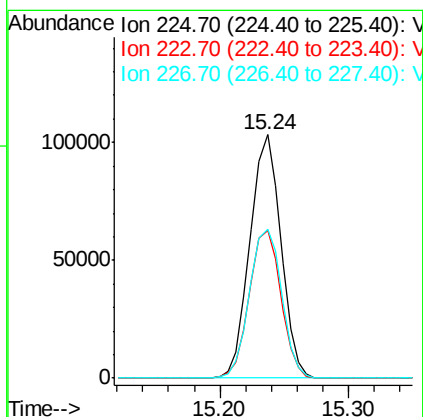
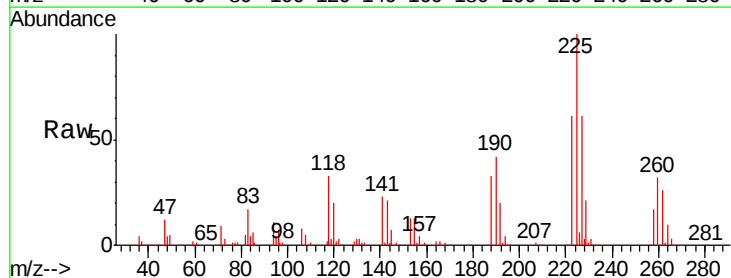
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

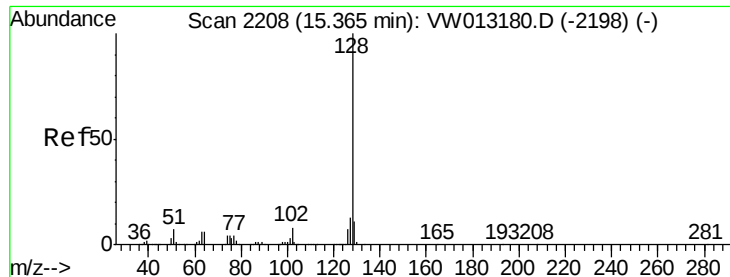
Tgt Ion:180 Resp: 266553
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.3 142.0
 145 27.9 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 51.117 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion:225 Resp: 170849
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.6 91.8
 227 64.0 31.9 95.9

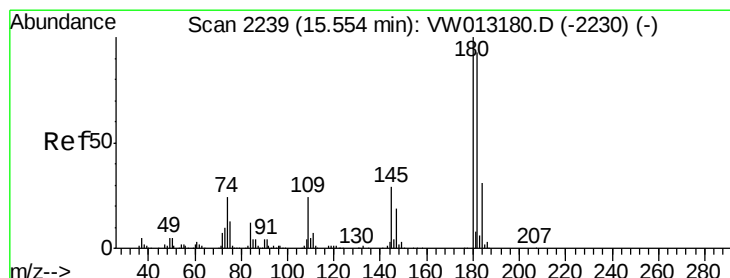
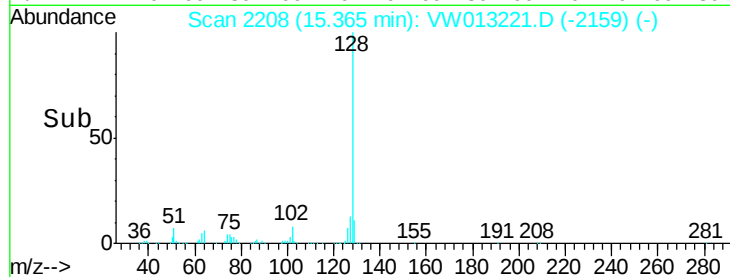
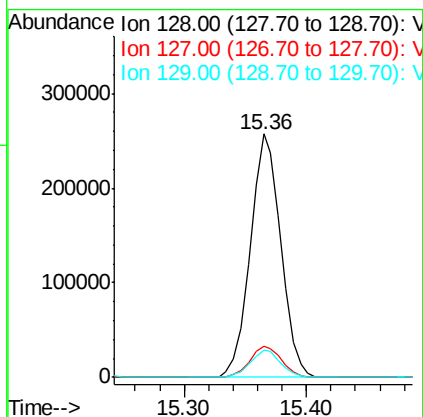
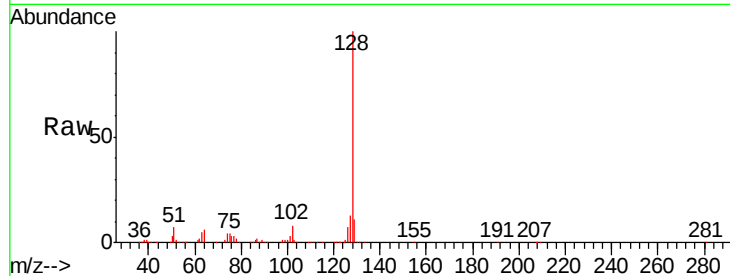




#95
Naphthalene
Concen: 55.656 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 444699
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.176 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion:180 Resp: 228694
Ion Ratio Lower Upper
180 100
182 95.0 47.9 143.7
145 29.9 15.0 45.0

