

Data File : VW010398.D
Acq On : 12 May 2019 10:04
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: May 13 05:19:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
Quant Title : SW846 8260
QLast Update : Fri May 10 03:41:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1347518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2115923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1901709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	959792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	704318	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	7.88	113	645725	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.32	98	2609299	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.62	95	931569	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	521763	50.472	ug/l	100
3) Chloromethane	2.21	50	654491	47.448	ug/l	99
4) Vinyl Chloride	2.37	62	884833	51.616	ug/l	99
5) Bromomethane	2.78	94	495033	50.076	ug/l	99
6) Chloroethane	2.92	64	532048	53.667	ug/l	94
7) Trichlorofluoromethane	3.25	101	407535	47.488	ug/l	98
8) Diethyl Ether	3.67	74	402805	53.392	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	758252	53.922	ug/l	98
10) Methyl Iodide	4.26	142	1056689	53.064	ug/l	95
11) Tert butyl alcohol	5.17	59	185239	183.094	ug/l	98
12) 1,1-Dichloroethene	4.03	96	779757	53.067	ug/l	97
13) Acrolein	3.89	56	312431	233.903	ug/l	97
14) Allyl chloride	4.66	41	1236582	56.378	ug/l	92
15) Acrylonitrile	5.37	53	876923	209.711	ug/l	99
16) Acetone	4.12	43	857459	229.594	ug/l	95
17) Carbon Disulfide	4.38	76	2268466	51.045	ug/l	100
18) Methyl Acetate	4.67	43	365980	39.563	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	911694	52.121	ug/l	99
20) Methylene Chloride	4.91	84	804006	51.615	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	859430	54.337	ug/l	98
22) Diisopropyl ether	6.31	45	2521517	59.235	ug/l	93
23) Vinyl Acetate	6.25	43	7709430	263.757	ug/l	96
24) 1,1-Dichloroethane	6.21	63	1595763	55.680	ug/l	99
25) 2-Butanone	7.17	43	1182801	207.025	ug/l	97
26) 2,2-Dichloropropane	7.17	77	815021	57.157	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	910190	55.957	ug/l	97
28) Bromochloromethane	7.51	49	534649	50.600	ug/l	99
29) Tetrahydrofuran	7.53	42	745888	201.843	ug/l	96
30) Chloroform	7.67	83	1523562	56.804	ug/l	98
31) Cyclohexane	7.95	56	1526358	52.015	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1150005	55.354	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1276283	55.630	ug/l	100
37) Ethyl Acetate	7.25	43	520655	42.623	ug/l	98
38) Carbon Tetrachloride	8.06	117	1096672	55.763	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1584642	56.462	ug/l	98
40) Benzene	8.32	78	3505682	55.795	ug/l	100
41) Methacrylonitrile	7.48	41	305685	44.622	ug/l	95
42) 1,2-Dichloroethane	8.40	62	992745	55.200	ug/l	97
43) Isopropyl Acetate	8.42	43	930222	45.917	ug/l	96
44) Trichloroethene	9.09	130	873372	55.524	ug/l	99
45) 1,2-Dichloropropane	9.37	63	890855	57.040	ug/l	99
46) Dibromomethane	9.46	93	420848	52.160	ug/l	98
47) Bromodichloromethane	9.64	83	1113967	57.557	ug/l	99
48) Methyl methacrylate	9.43	41	457691	47.781	ug/l	87
49) 1,4-Dioxane	9.45	88	116598	828.667	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	2573023	221.496	ug/l	95
52) Toluene	10.38	92	2210579	57.562	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	1122988	57.283	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1352649	58.260	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	607695	53.029	ug/l	97
56) Ethyl methacrylate	10.65	69	810848	53.581	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1100717	53.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1758564	242.711	ug/l	100
59) 2-Hexanone	10.97	43	1883772	229.356	ug/l	93
60) Dibromochloromethane	11.13	129	690313	55.980	ug/l	100
61) 1,2-Dibromoethane	11.24	107	565527	51.407	ug/l	99
64) Tetrachloroethene	10.86	164	714271	53.738	ug/l	98
65) Chlorobenzene	11.66	112	2230694	56.665	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	762710	57.324	ug/l	97
67) Ethyl Benzene	11.73	91	4266855	58.919	ug/l	99
68) m/p-Xylenes	11.84	106	3165486	117.646	ug/l	99
69) o-Xylene	12.16	106	1454523	59.758	ug/l	98
70) Styrene	12.18	104	2561321	60.393	ug/l	99
71) Bromoform	12.35	173	379716	49.924	ug/l #	99
73) Isopropylbenzene	12.46	105	4115509	58.827	ug/l	100
74) N-amyl acetate	12.27	43	897853	49.677	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	708071	45.935	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	920432	82.252	ug/l #	100
77) Bromobenzene	12.75	156	890630	56.382	ug/l	99
78) n-propylbenzene	12.80	91	5048076	58.423	ug/l	100
79) 2-Chlorotoluene	12.90	91	2829608	57.505	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3500875	59.358	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	223130	45.029	ug/l	95
82) 4-Chlorotoluene	12.99	91	2966963	57.547	ug/l	99
83) tert-Butylbenzene	13.21	119	2891306	58.774	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3483164	59.431	ug/l	100
85) sec-Butylbenzene	13.38	105	4252959	58.563	ug/l	100
86) p-Isopropyltoluene	13.50	119	3838222	59.526	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1800230	57.072	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1758027	56.162	ug/l	99
89) n-Butylbenzene	13.83	91	3857634	59.667	ug/l	98
90) Hexachloroethane	14.10	117	675021	56.443	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	1555610	55.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	111198	40.060	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051219\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

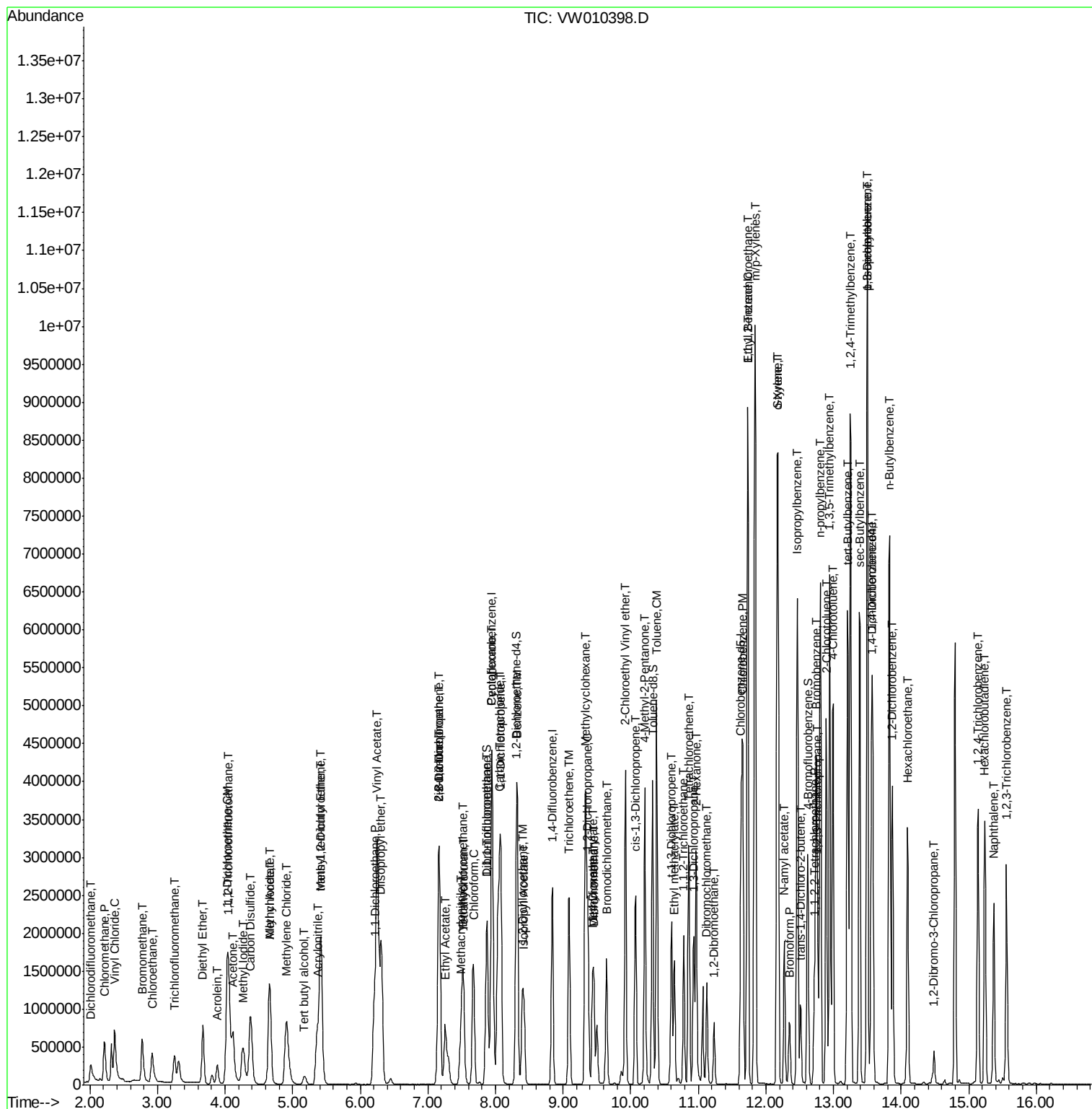
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1126438	59.110	ug/l	99
94) Hexachlorobutadiene	15.24	225	705236	57.727	ug/l	99
95) Naphthalene	15.37	128	1988851	45.994	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	984954	57.212	ug/l	99

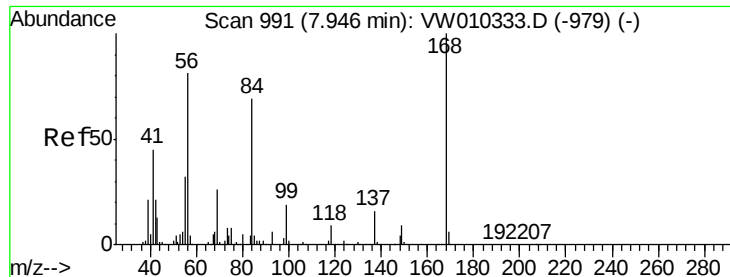
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

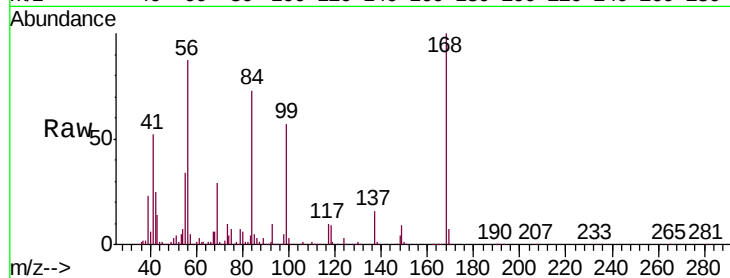
VSTDCCC050

Tgt Ion:168 Resp: 1347518

Ion Ratio Lower Upper

168 100

99 57.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

600000

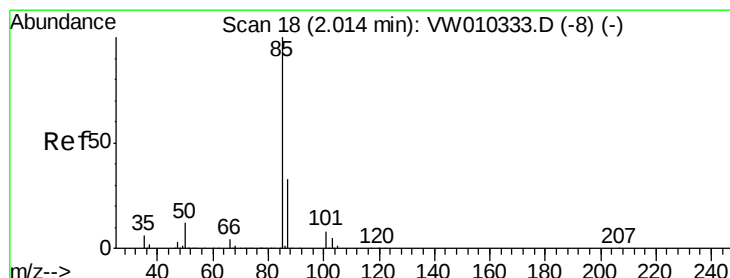
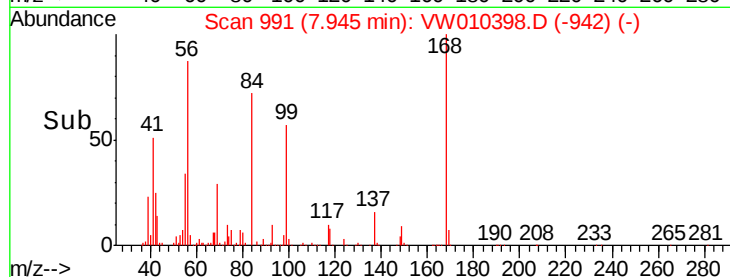
400000

200000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.472 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010398.D

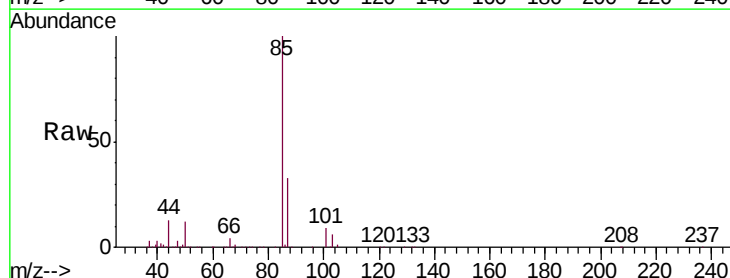
Acq: 12 May 2019 10:04

Tgt Ion: 85 Resp: 521763

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

150000

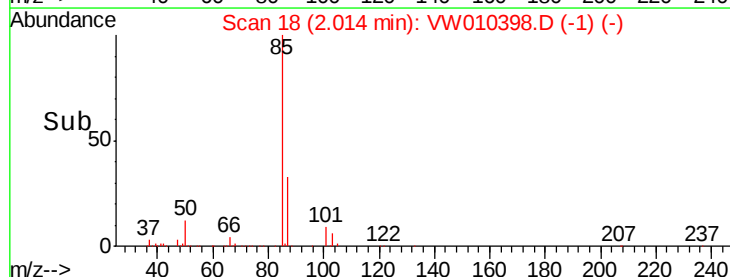
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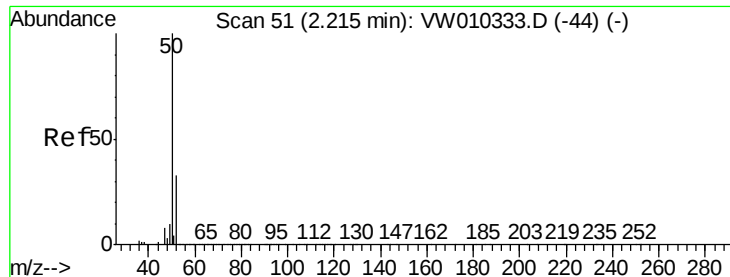
50000

0

1.80 2.00 2.20 2.40

Time-->





#3

Chloromethane

Concen: 47.448 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

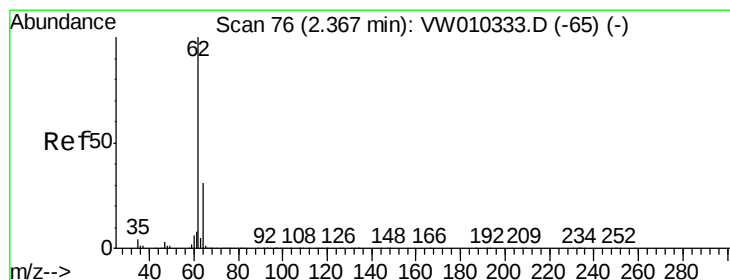
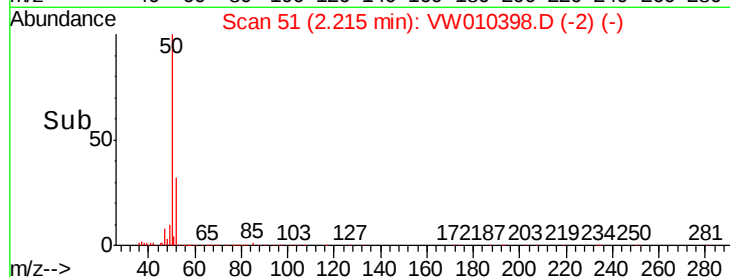
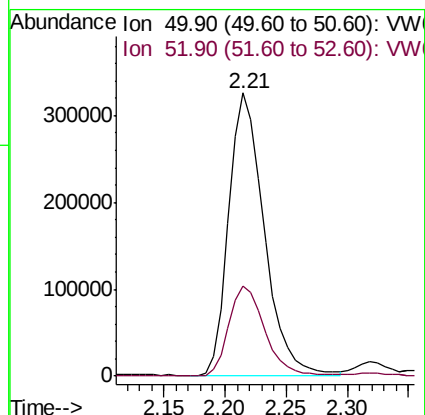
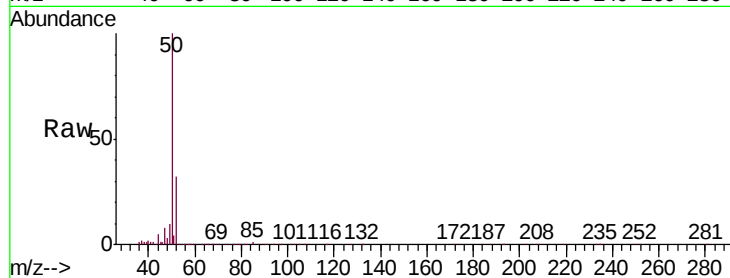
VSTDCCC050

Tgt Ion: 50 Resp: 654491

Ion Ratio Lower Upper

50 100

52 31.8 25.0 37.6



#4

Vinyl Chloride

Concen: 51.616 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010398.D

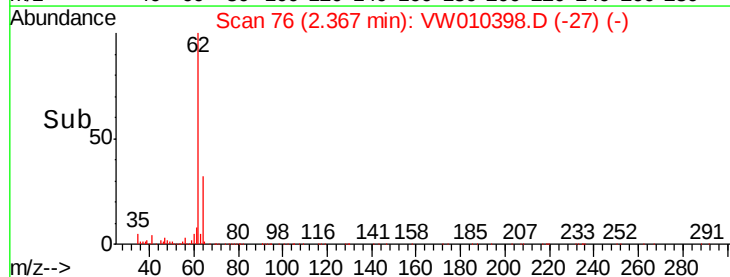
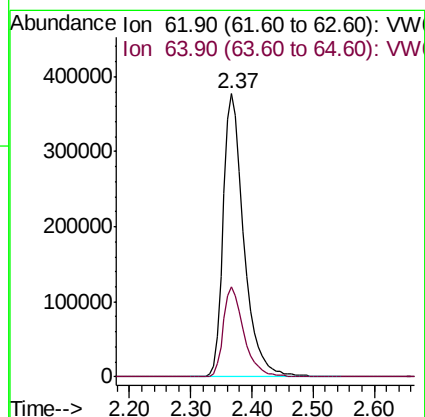
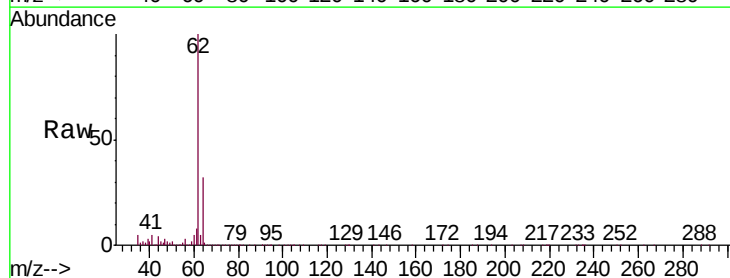
Acq: 12 May 2019 10:04

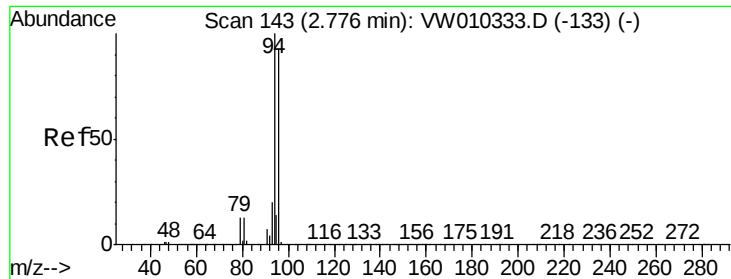
Tgt Ion: 62 Resp: 884833

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 50.076 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

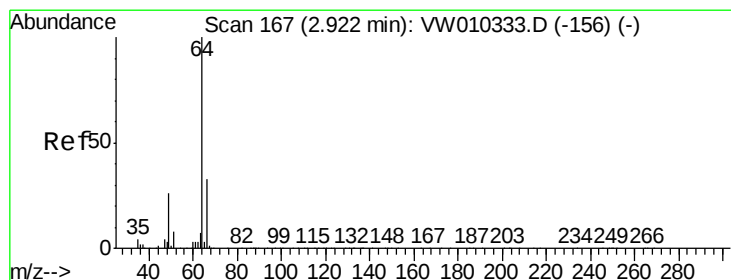
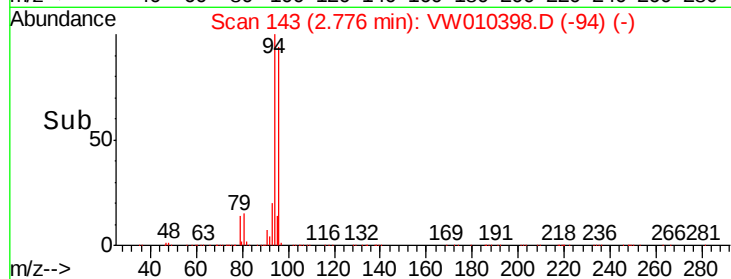
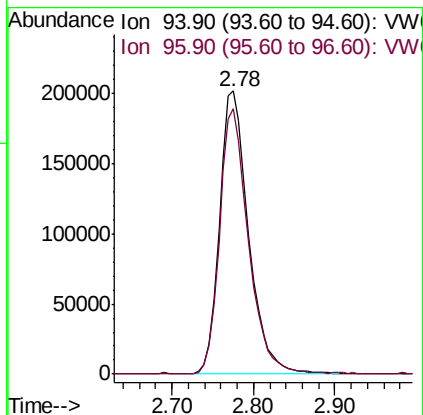
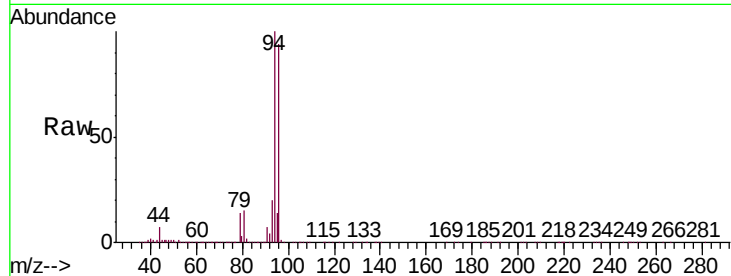
VSTDCCC050

Tgt Ion: 94 Resp: 495033

Ion Ratio Lower Upper

94 100

96 93.7 74.2 111.2



#6

Chloroethane

Concen: 53.667 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010398.D

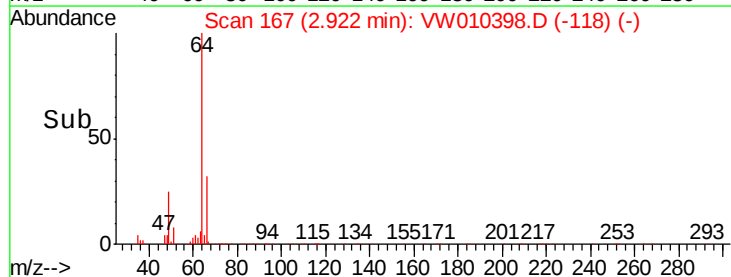
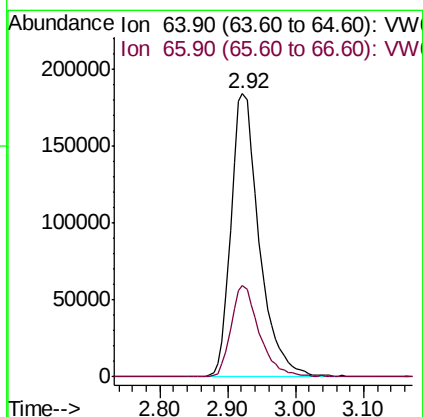
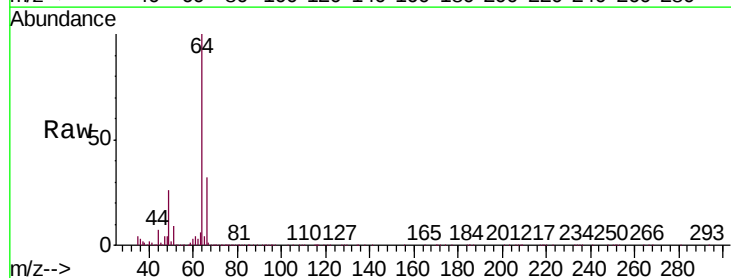
Acq: 12 May 2019 10:04

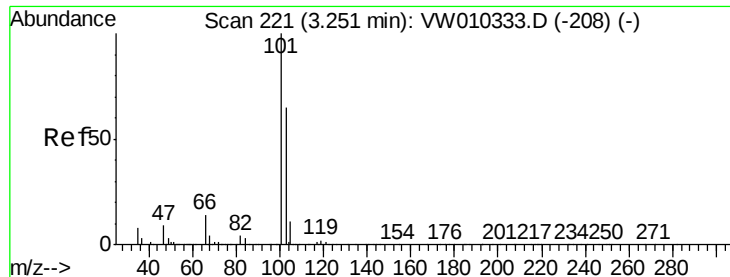
Tgt Ion: 64 Resp: 532048

Ion Ratio Lower Upper

64 100

66 32.3 23.4 35.0



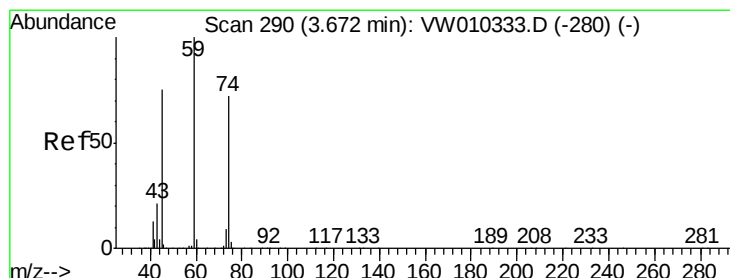
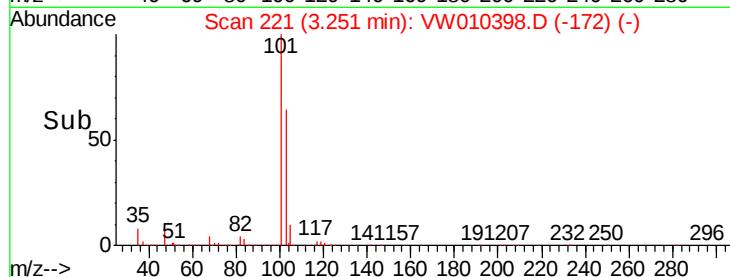
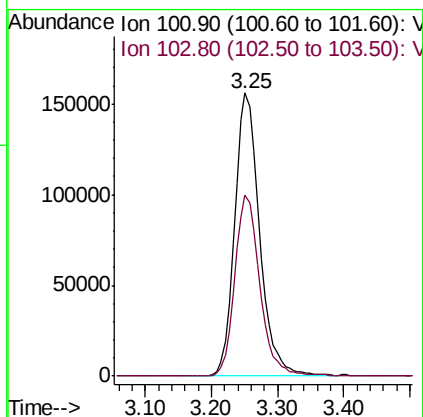
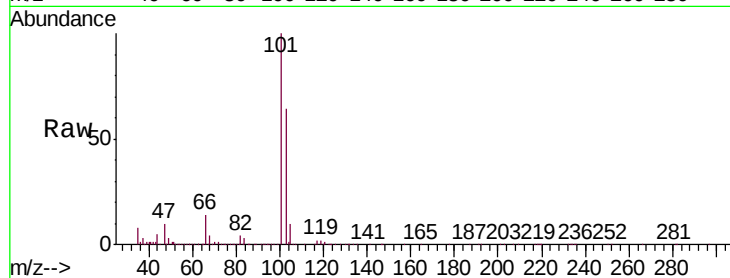


#7

Trichlorofluoromethane
 Concen: 47.488 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
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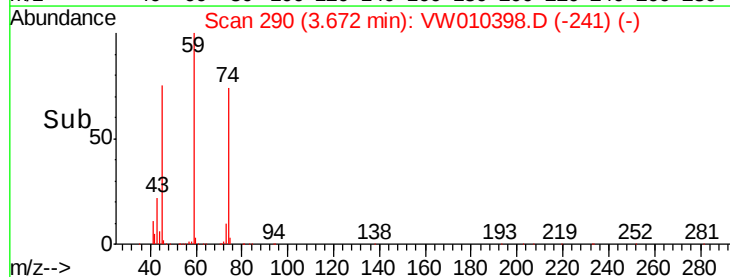
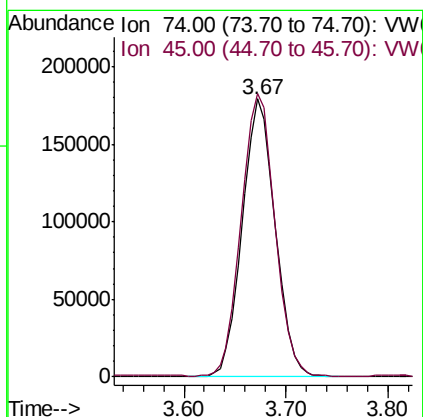
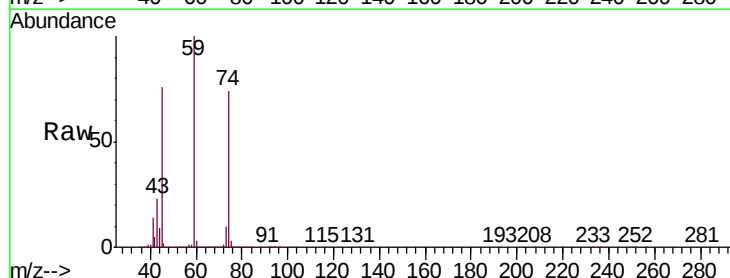
Tgt Ion:101 Resp: 407535
 Ion Ratio Lower Upper
 101 100
 103 64.1 49.8 74.6

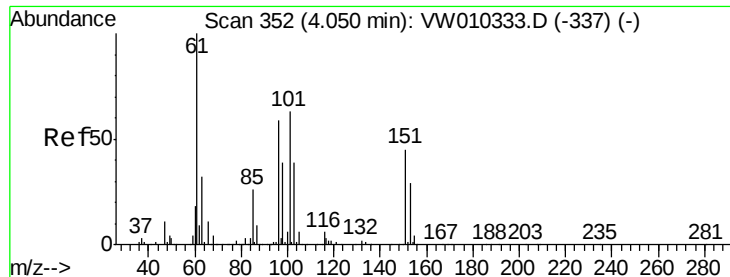


#8

Diethyl Ether
 Concen: 53.392 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion: 74 Resp: 402805
 Ion Ratio Lower Upper
 74 100
 45 103.5 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.922 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010398.D

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VSTDCCC050

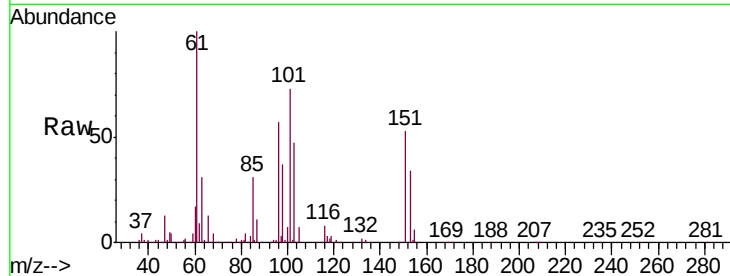
Tgt Ion:101 Resp: 758252

Ion Ratio Lower Upper

101 100

85 44.1 36.3 54.5

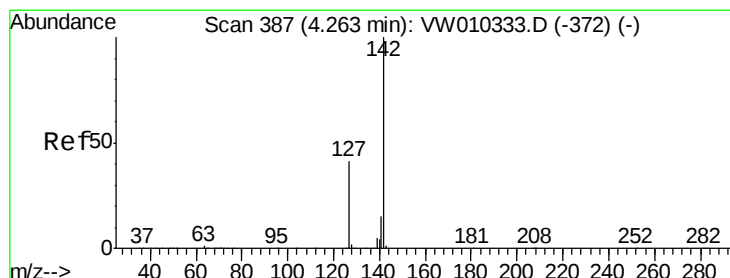
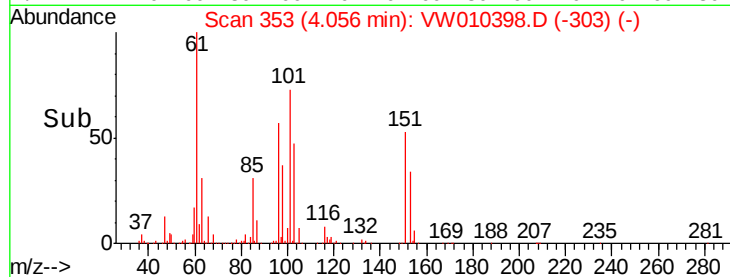
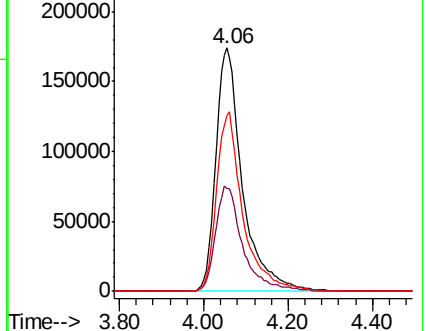
151 72.9 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.064 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

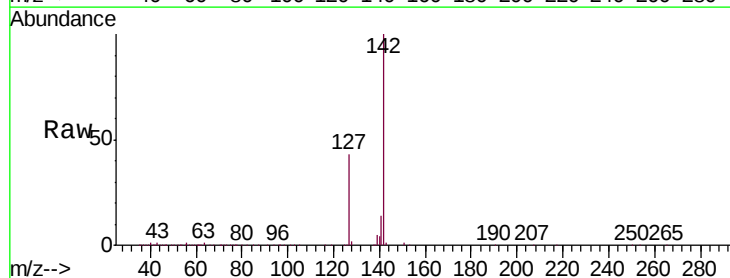
Tgt Ion:142 Resp: 1056689

Ion Ratio Lower Upper

142 100

127 43.3 38.1 57.1

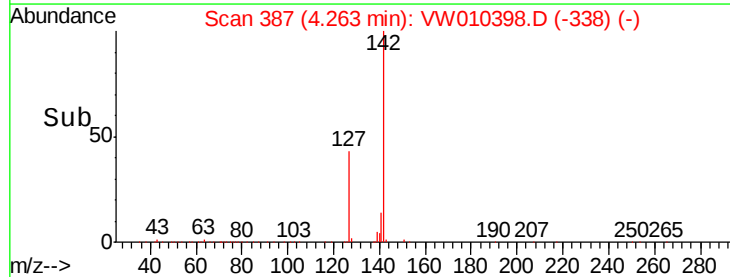
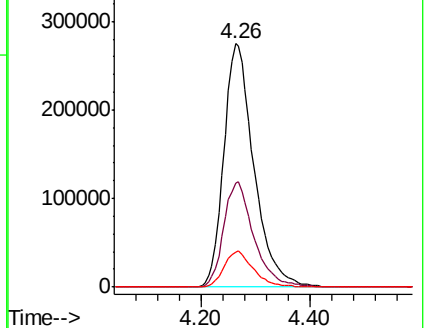
141 14.5 12.2 18.2

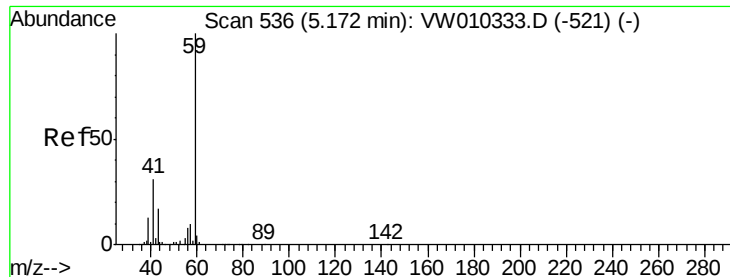


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

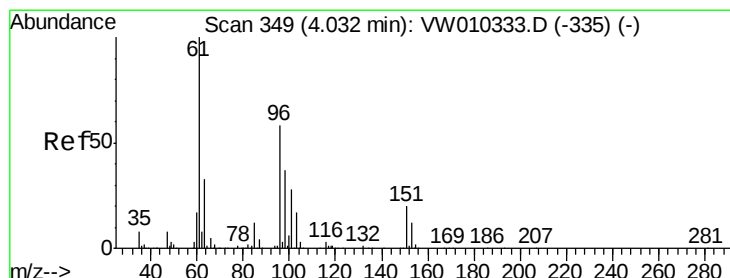
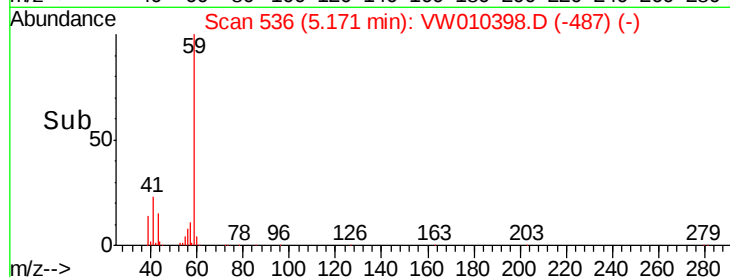
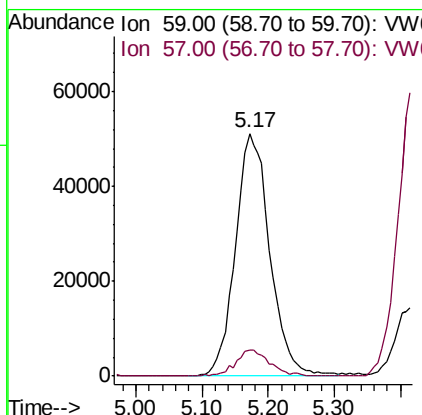
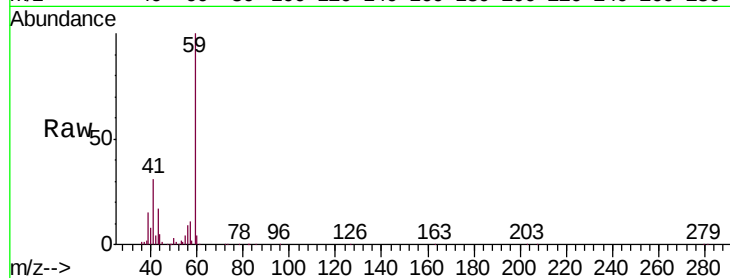




#11
Tert butyl alcohol
Concen: 183.094 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

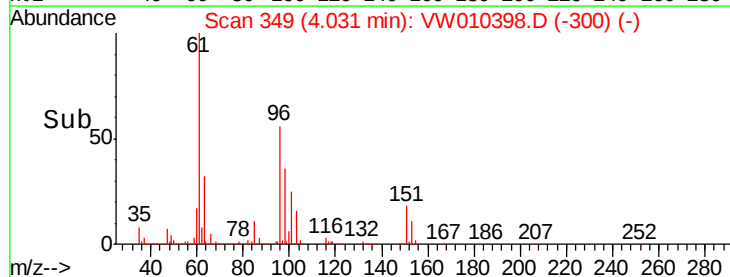
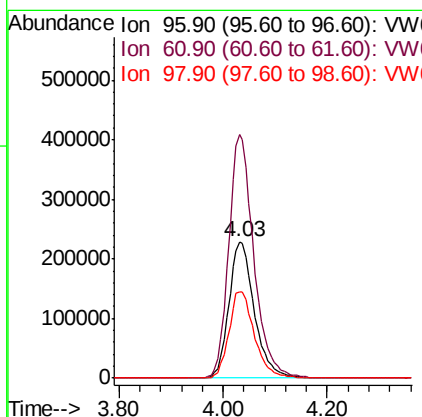
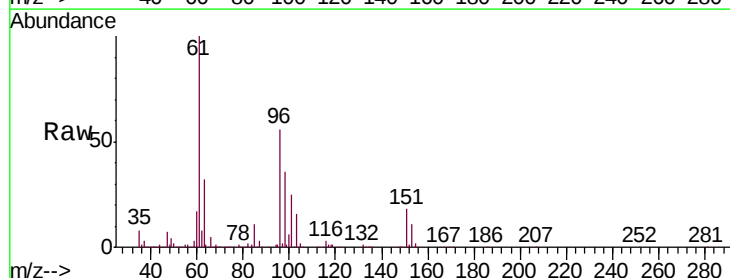
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

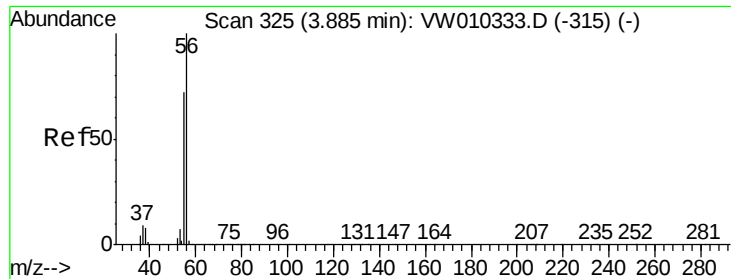
Tgt Ion: 59 Resp: 185239
Ion Ratio Lower Upper
59 100
57 10.5 9.0 13.4



#12
1,1-Dichloroethene
Concen: 53.067 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 96 Resp: 779757
Ion Ratio Lower Upper
96 100
61 178.9 147.4 221.2
98 63.6 49.7 74.5

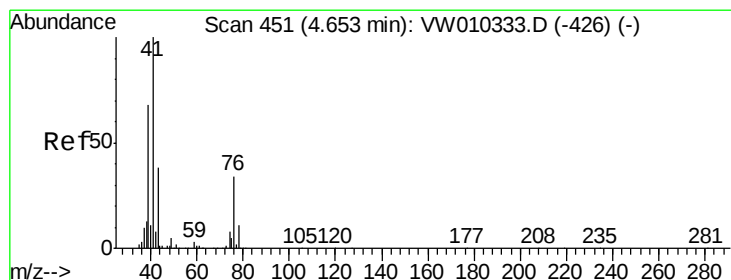
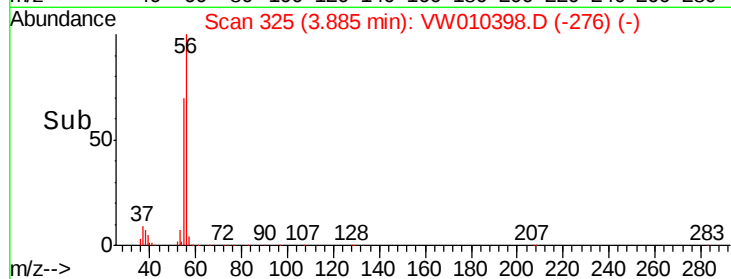
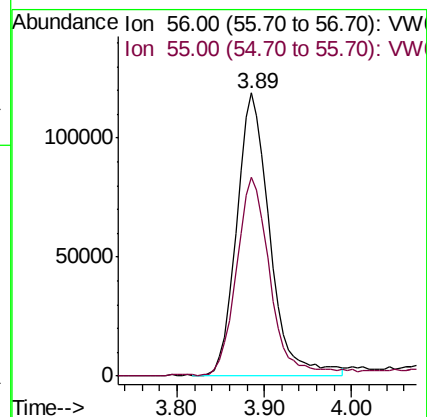
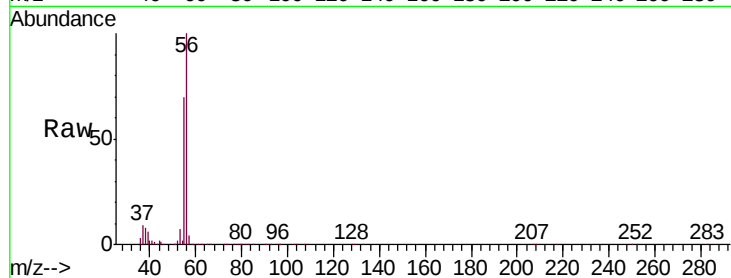




#13
Acrolein
Concen: 233.903 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

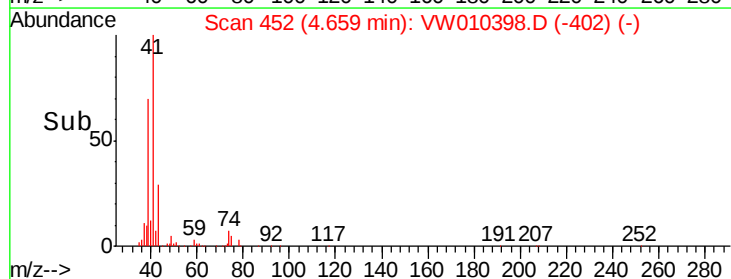
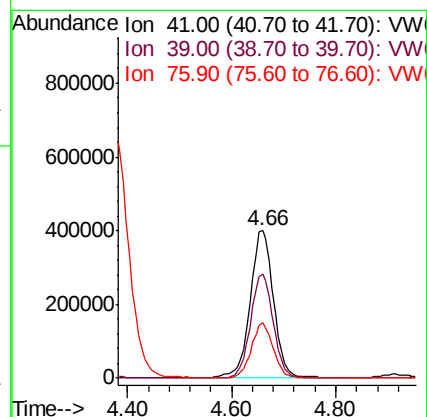
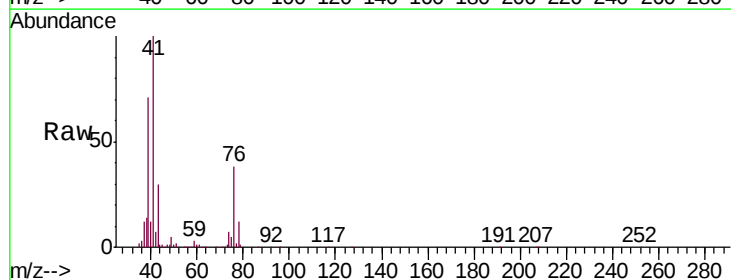
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

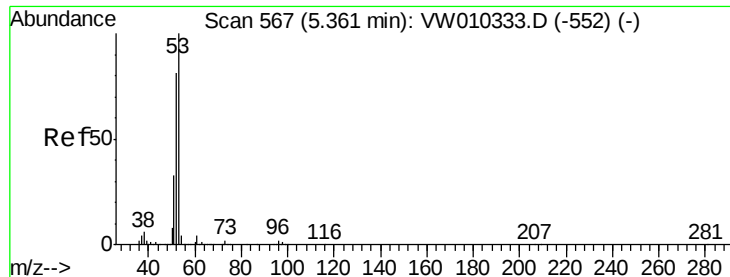
Tgt Ion: 56 Resp: 312431
Ion Ratio Lower Upper
56 100
55 69.9 54.2 81.2



#14
Allyl chloride
Concen: 56.378 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.01 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 41 Resp: 1236582
Ion Ratio Lower Upper
41 100
39 68.1 60.2 90.4
76 35.0 25.0 37.6

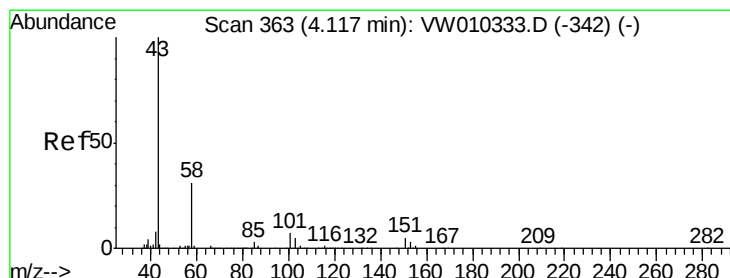
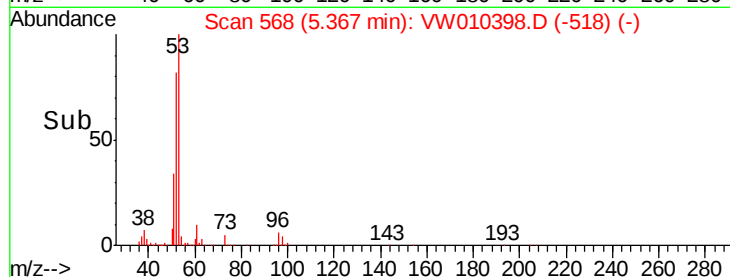
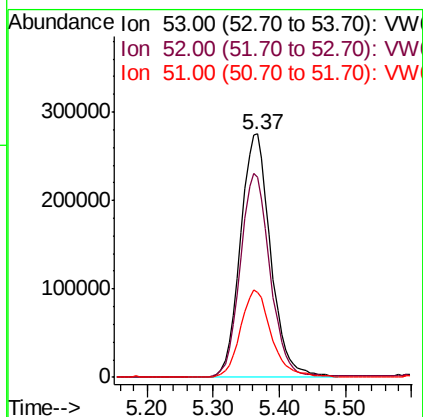
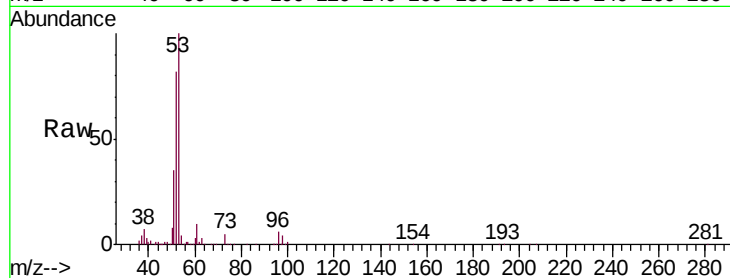




#15
 Acrylonitrile
 Concen: 209.711 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

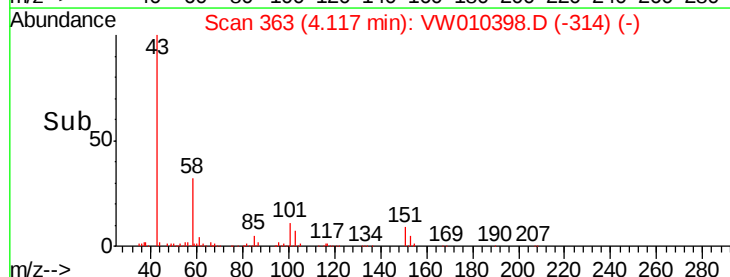
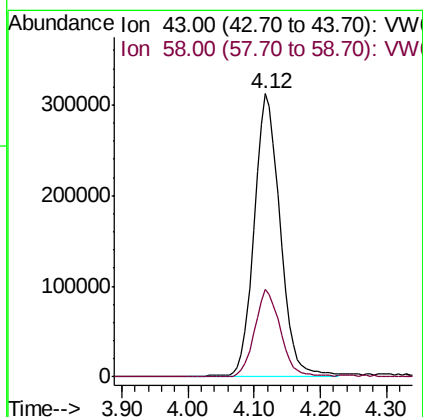
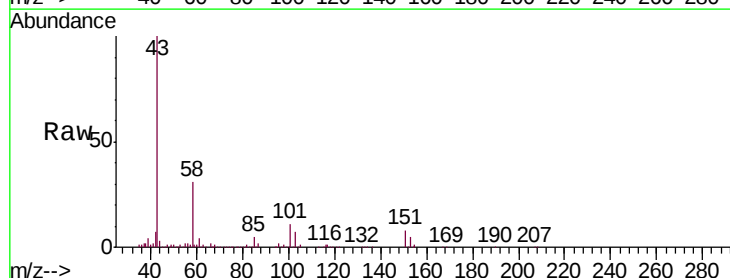
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

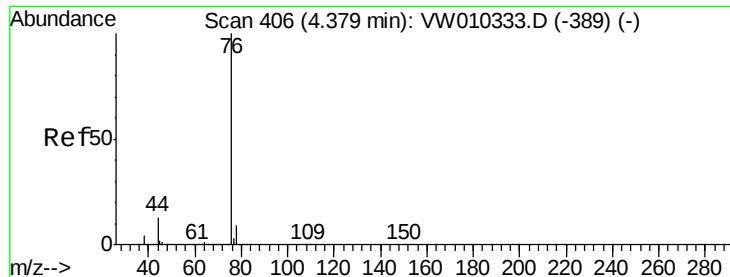
Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	100.0
51	36.6	30.3	45.5



#16
 Acetone
 Concen: 229.594 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.0	22.7	34.1





#17

Carbon Disulfide

Concen: 51.045 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

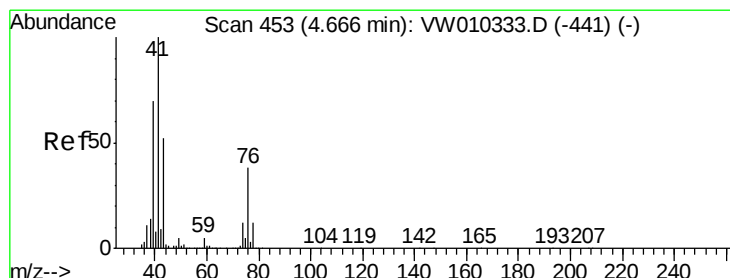
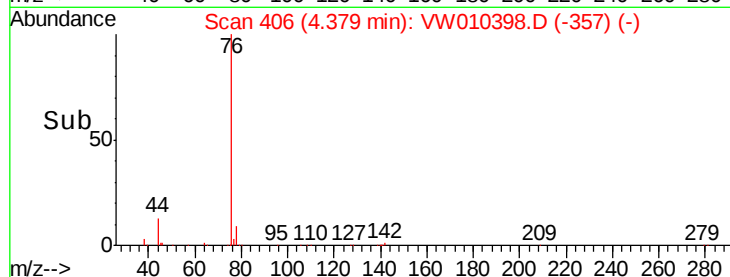
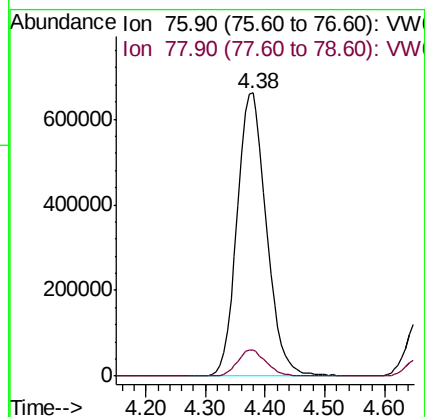
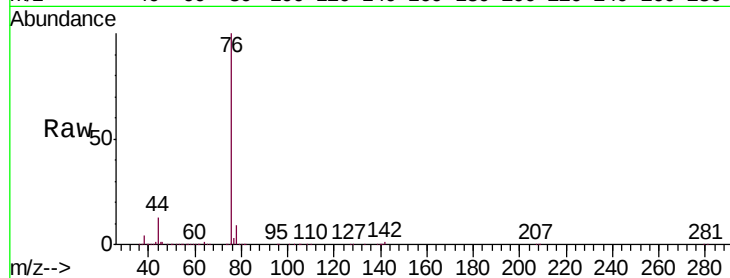
VSTDCCC050

Tgt Ion: 76 Resp: 2268466

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



#18

Methyl Acetate

Concen: 39.563 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010398.D

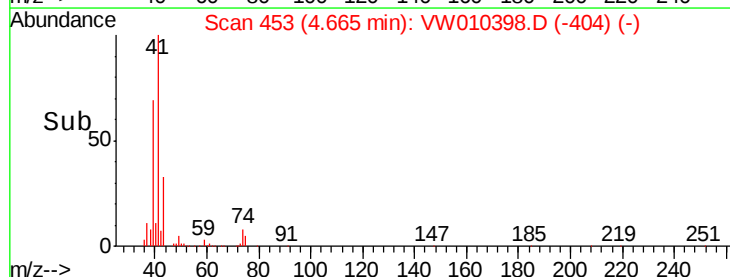
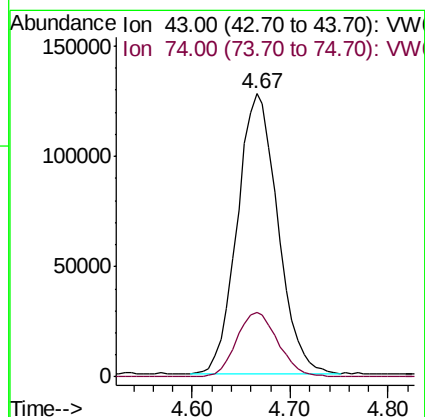
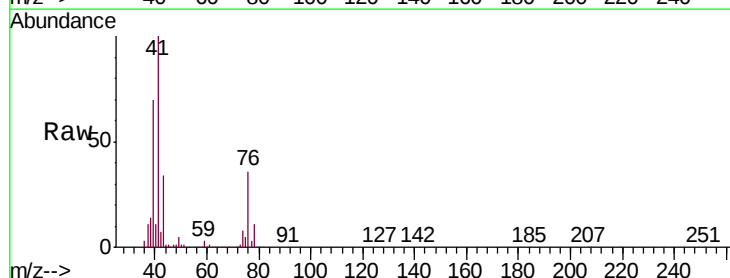
Acq: 12 May 2019 10:04

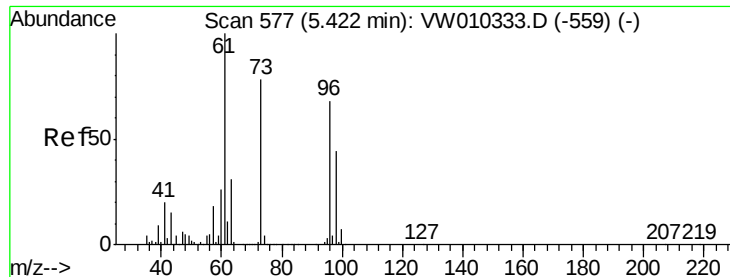
Tgt Ion: 43 Resp: 365980

Ion Ratio Lower Upper

43 100

74 23.9 16.8 25.2

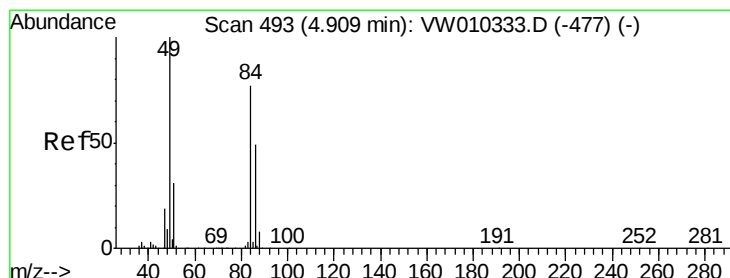
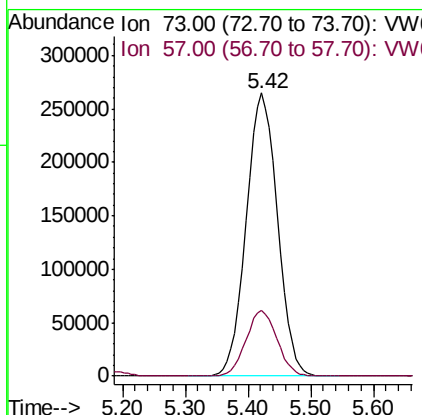
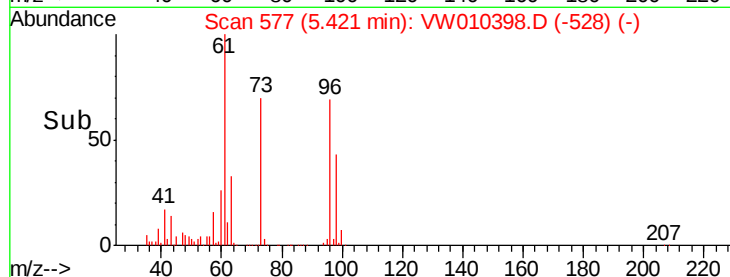
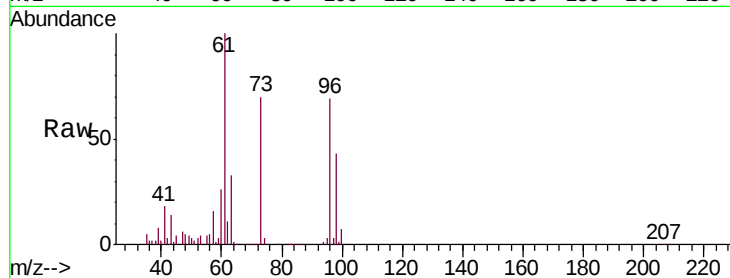




#19
Methyl tert-butyl Ether
Concen: 52.121 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

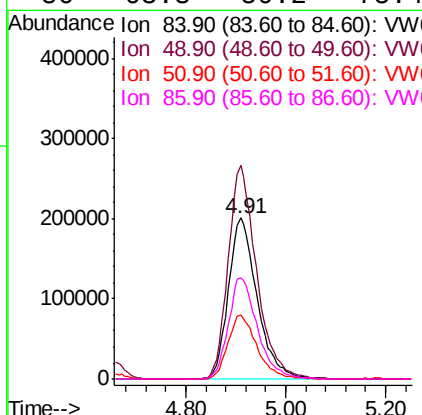
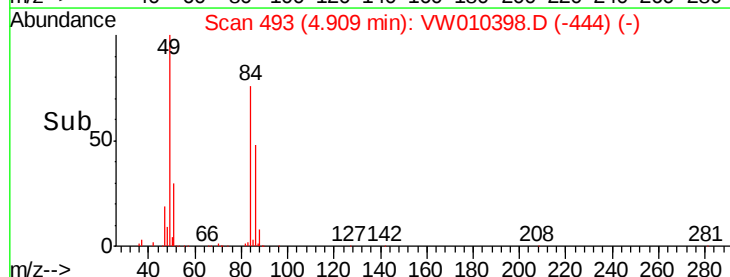
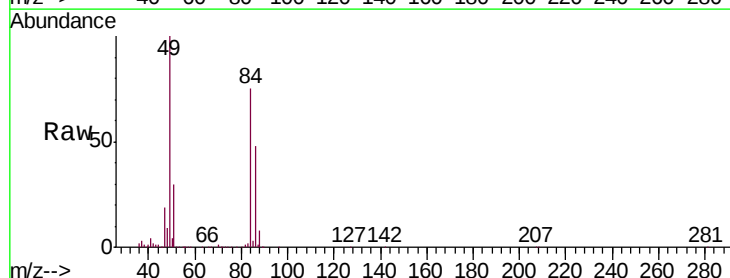
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

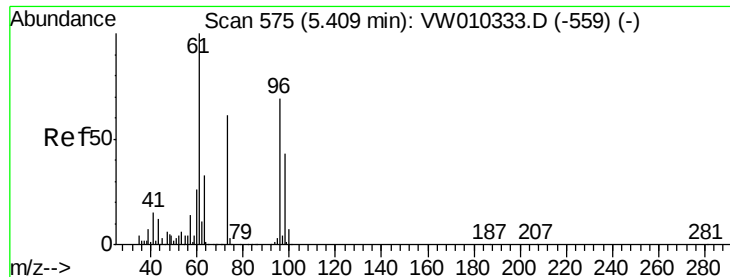
Tgt Ion: 73 Resp: 911694
Ion Ratio Lower Upper
73 100
57 23.4 18.5 27.7



#20
Methylene Chloride
Concen: 51.615 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 84 Resp: 804006
Ion Ratio Lower Upper
84 100
49 132.8 112.3 168.5
51 39.8 33.9 50.9
86 63.3 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 54.337 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

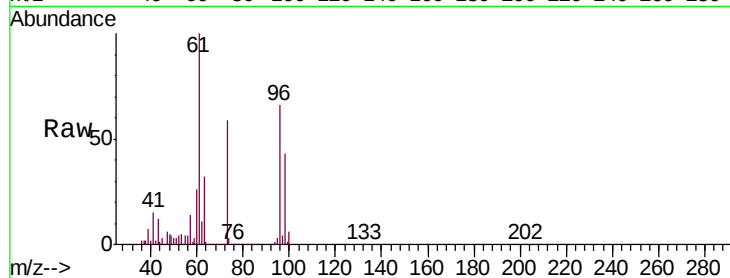
Tgt Ion: 96 Resp: 859430

Ion Ratio Lower Upper

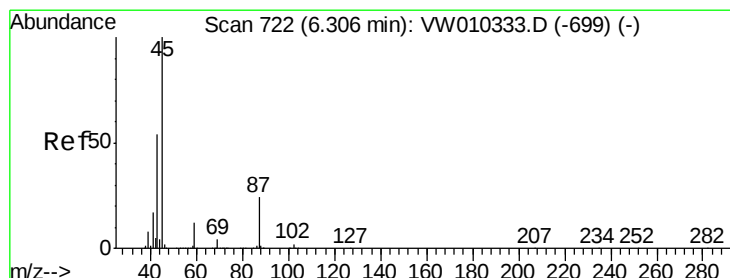
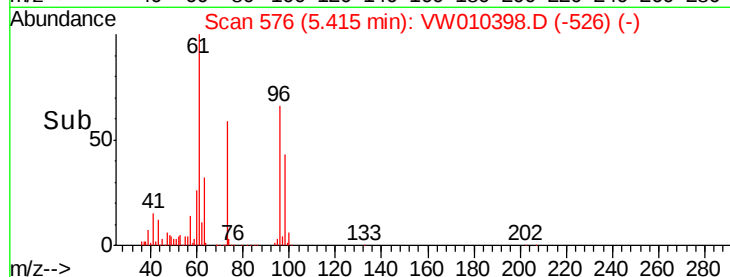
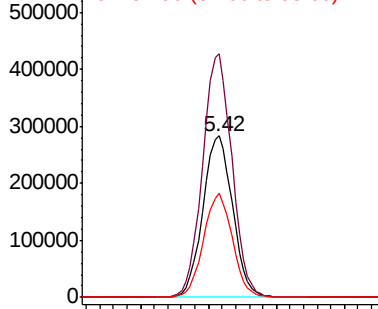
96 100

61 150.9 122.3 183.5

98 64.2 50.5 75.7



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: 59.235 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Tgt Ion: 45 Resp: 2521517

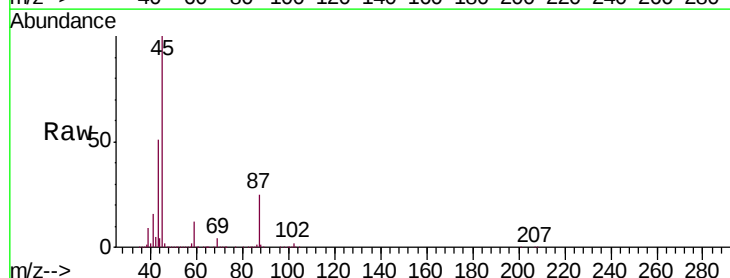
Ion Ratio Lower Upper

45 100

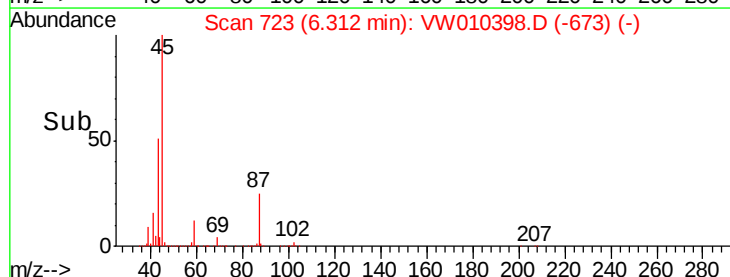
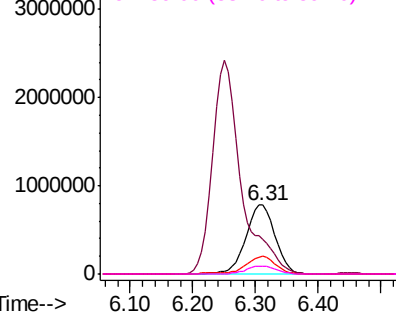
43 51.0 46.1 69.1

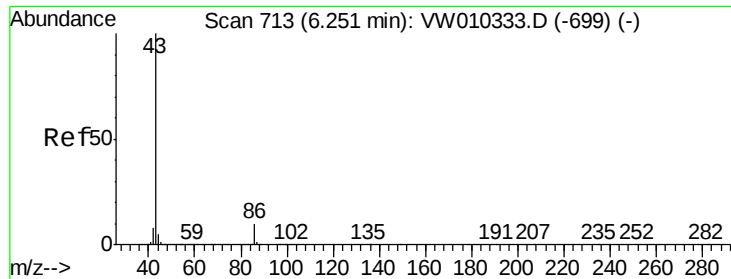
87 25.3 18.3 27.5

59 11.5 8.2 12.4



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: 263.757 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

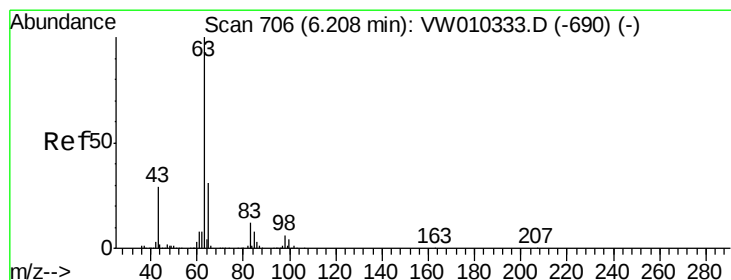
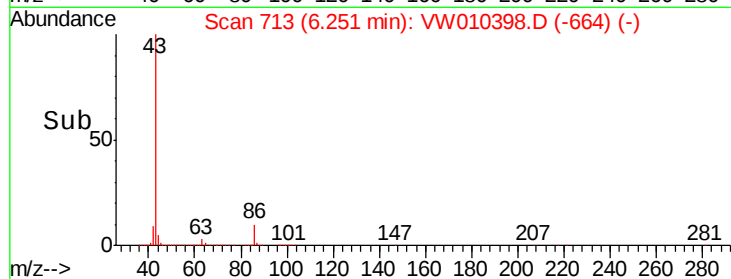
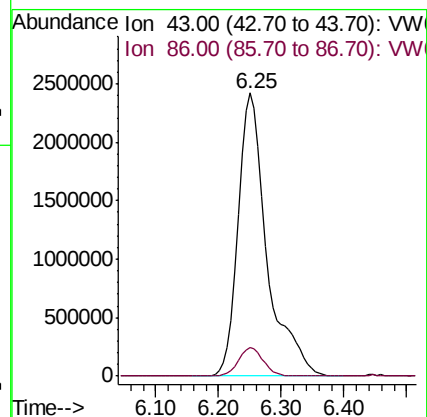
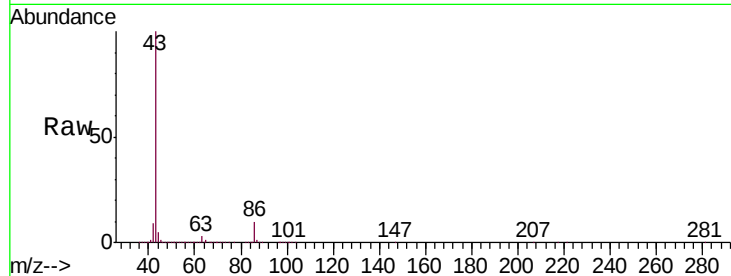
VSTDCCC050

Tgt Ion: 43 Resp: 7709430

Ion Ratio Lower Upper

43 100

86 10.1 7.0 10.6



#24

1,1-Dichloroethane

Concen: 55.680 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

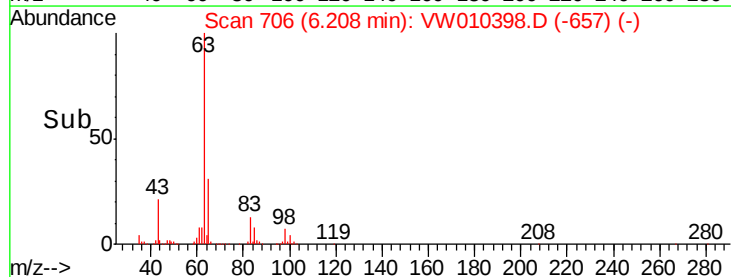
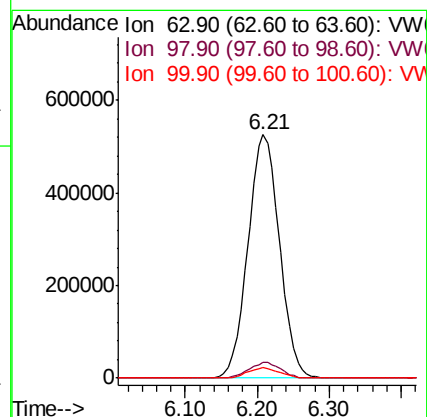
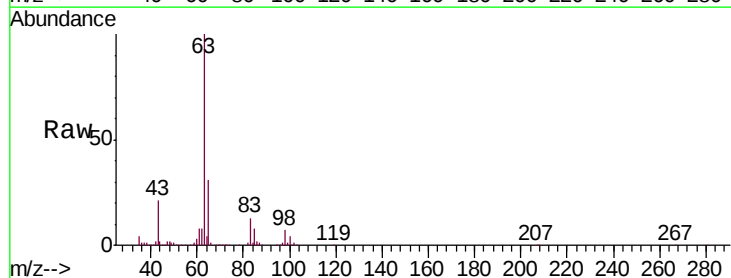
Tgt Ion: 63 Resp: 1595763

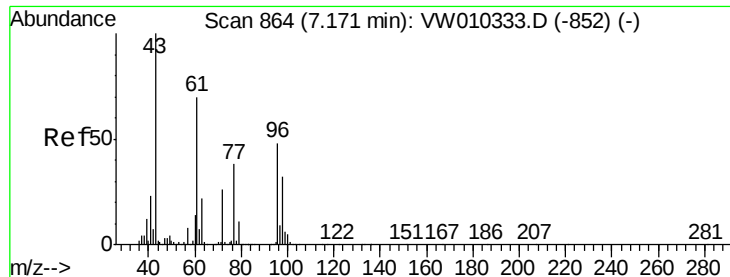
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 207.025 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

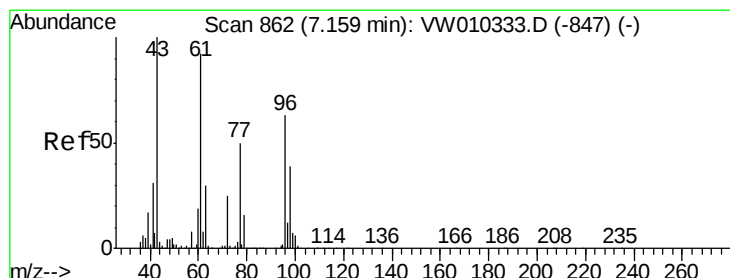
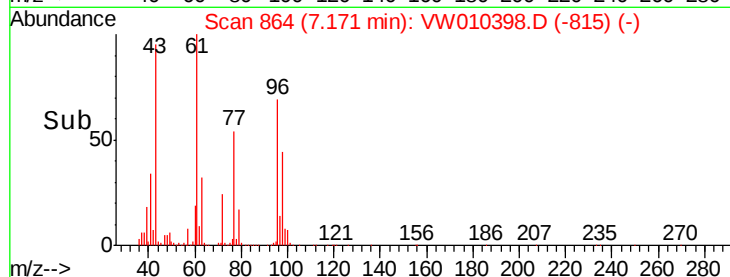
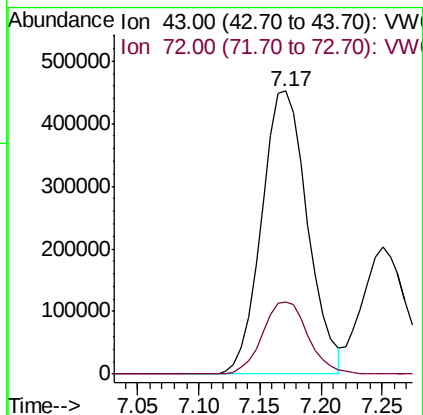
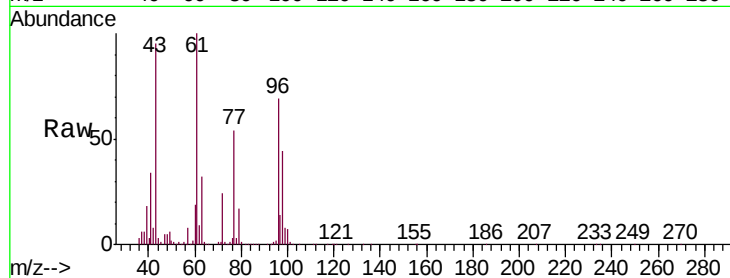
VSTDCCC050

Tgt Ion: 43 Resp: 1182801

Ion Ratio Lower Upper

43 100

72 25.3 19.1 28.7



#26

2,2-Dichloropropane

Concen: 57.157 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010398.D

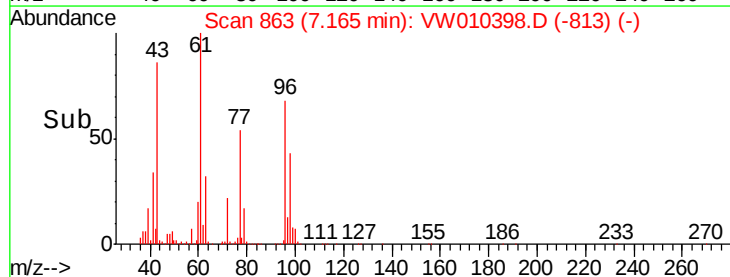
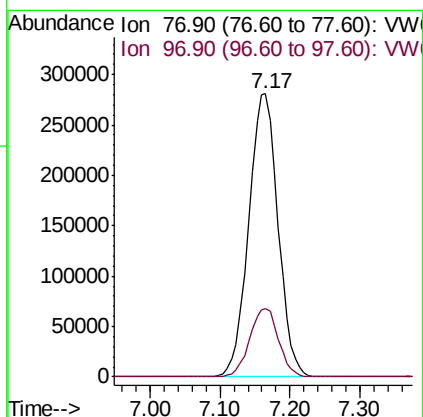
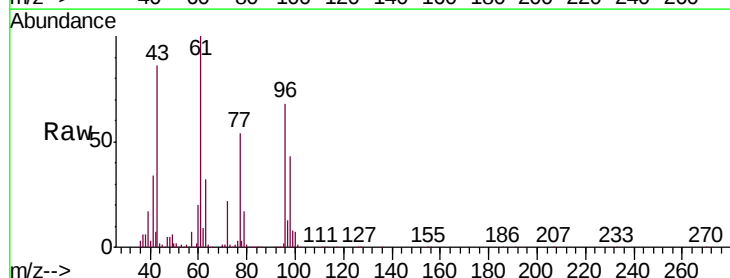
Acq: 12 May 2019 10:04

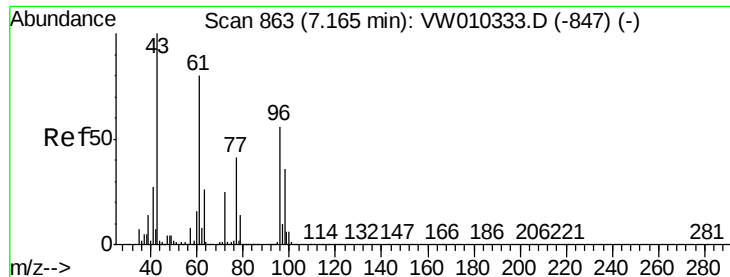
Tgt Ion: 77 Resp: 815021

Ion Ratio Lower Upper

77 100

97 23.8 11.3 33.9



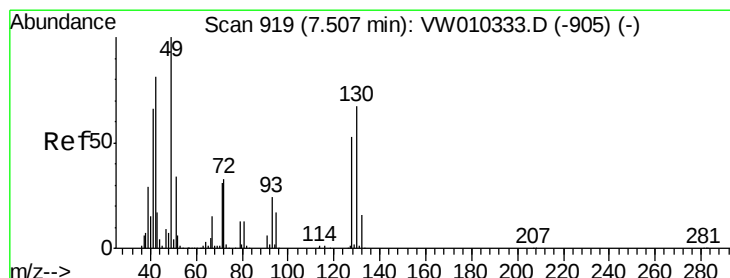
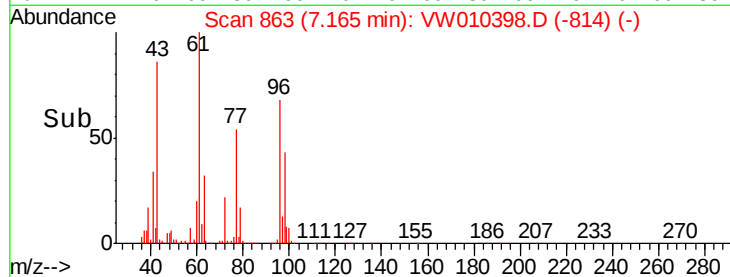
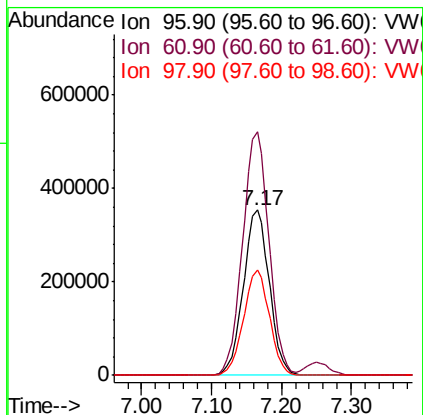
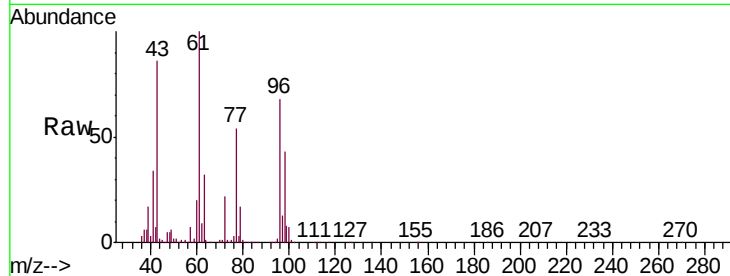


#27

cis-1,2-Dichloroethene
 Concen: 55.957 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

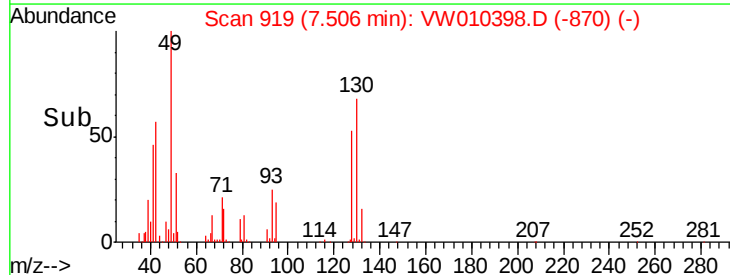
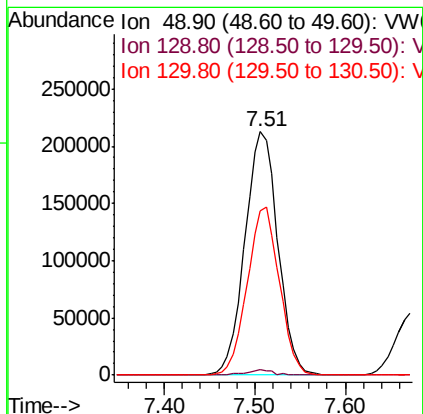
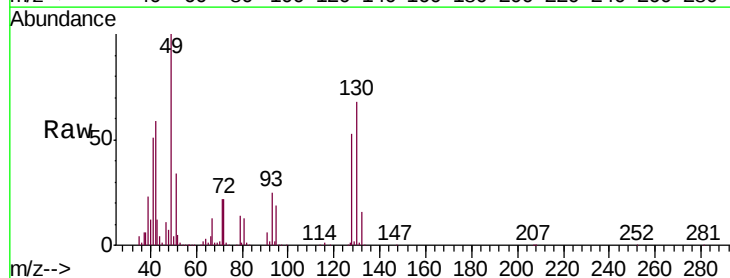
Tgt Ion	Resp	Lower	Upper
96	100		
61	149.6	0.0	309.4
98	63.9	0.0	128.6

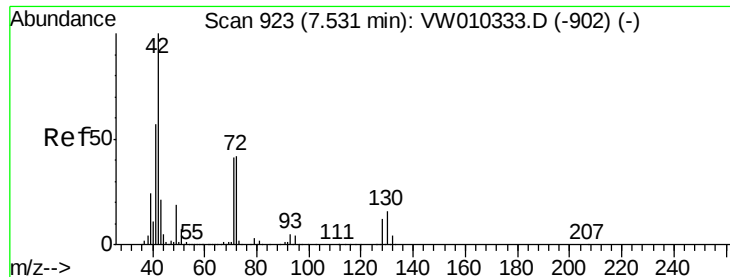


#28

Bromochloromethane
 Concen: 50.600 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion	Resp	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	67.3	54.6	82.0





#29

Tetrahydrofuran

Concen: 201.843 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

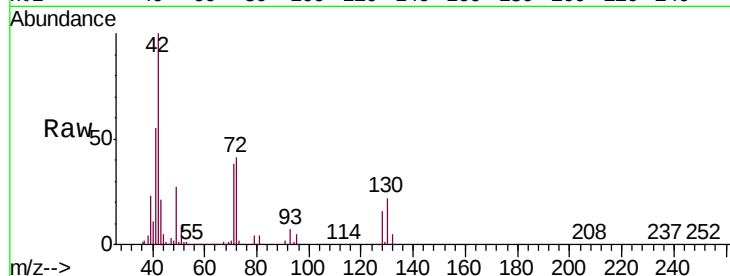
Tgt Ion: 42 Resp: 745888

Ion Ratio Lower Upper

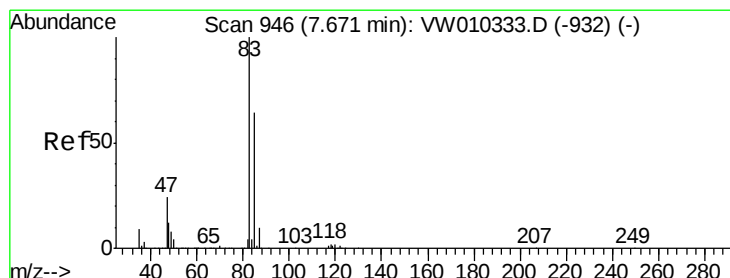
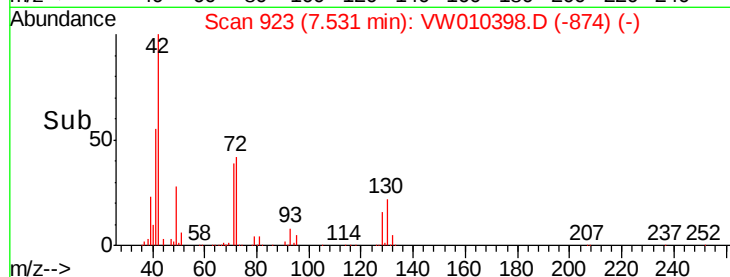
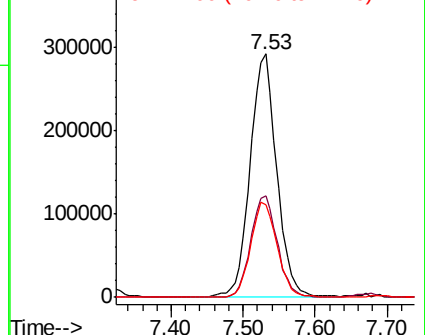
42 100

72 41.9 31.0 46.6

71 39.1 29.7 44.5



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: 56.804 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010398.D

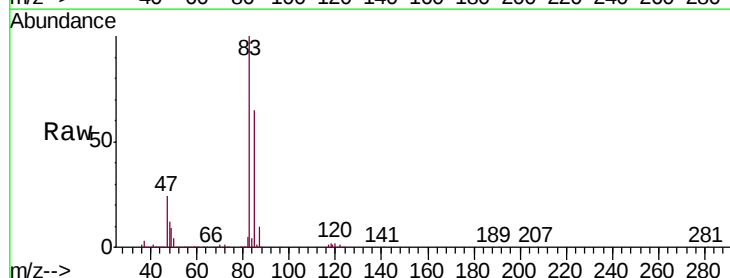
Acq: 12 May 2019 10:04

Tgt Ion: 83 Resp: 1523562

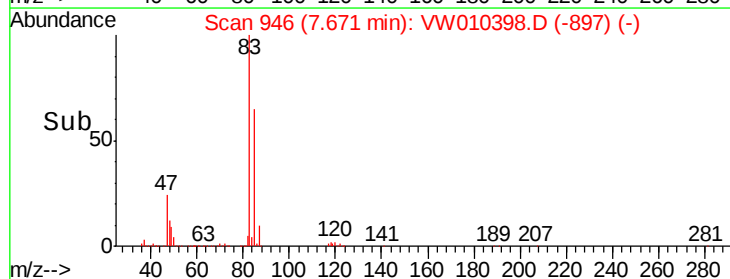
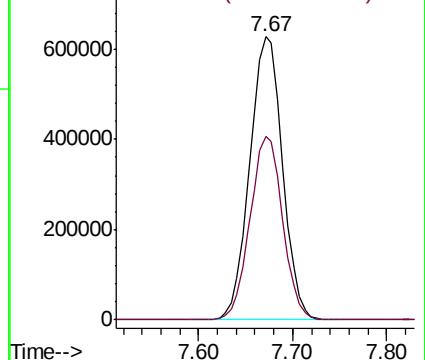
Ion Ratio Lower Upper

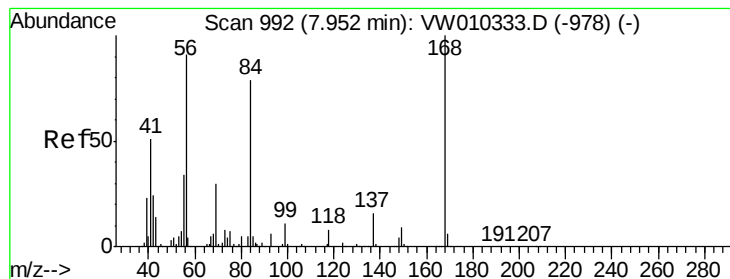
83 100

85 64.8 50.7 76.1



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





#31

Cyclohexane

Concen: 52.015 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

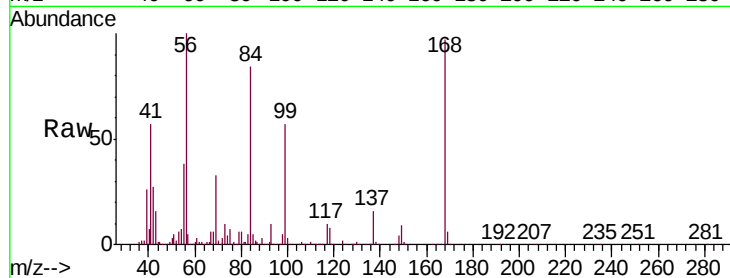
Tgt Ion: 56 Resp: 1526358

Ion Ratio Lower Upper

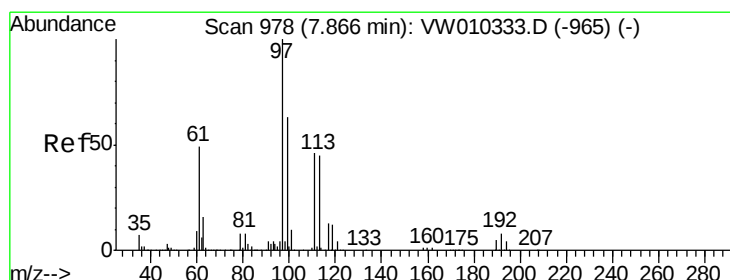
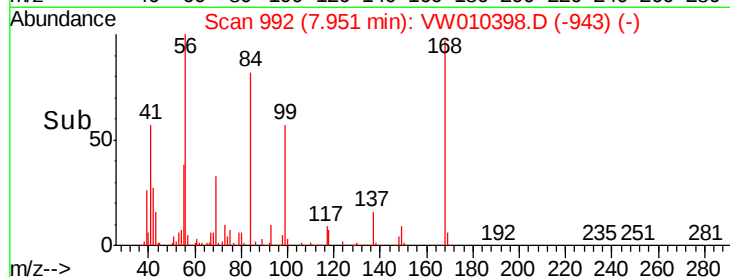
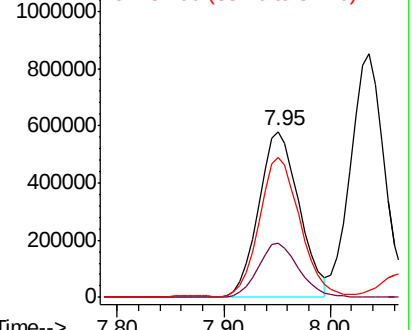
56 100

69 32.8 26.6 40.0

84 83.4 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 55.354 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

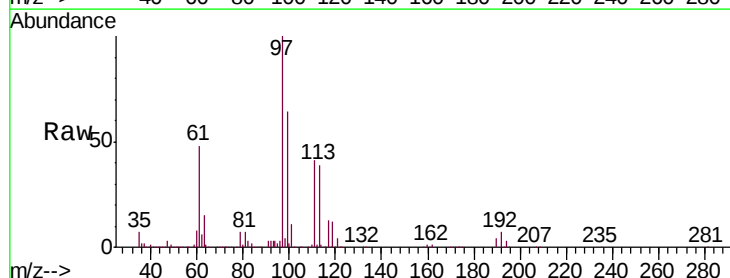
Tgt Ion: 97 Resp: 1150005

Ion Ratio Lower Upper

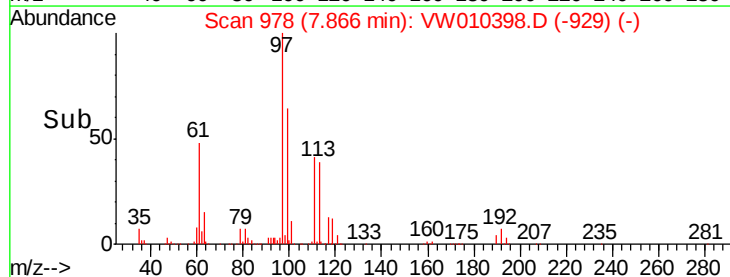
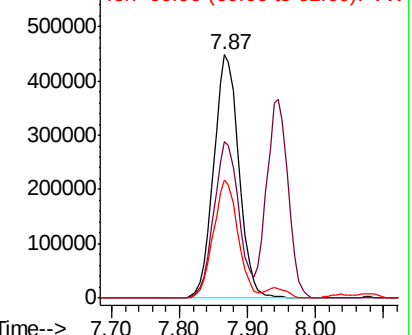
97 100

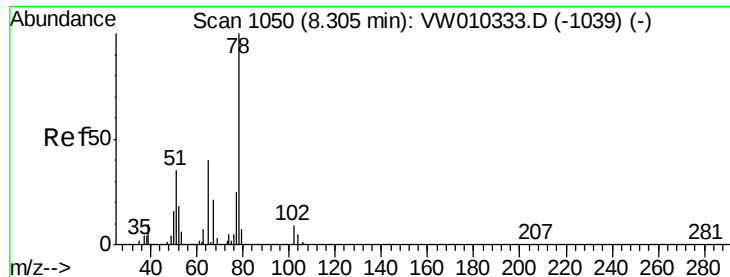
99 64.1 50.2 75.2

61 47.6 38.2 57.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 49.164 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

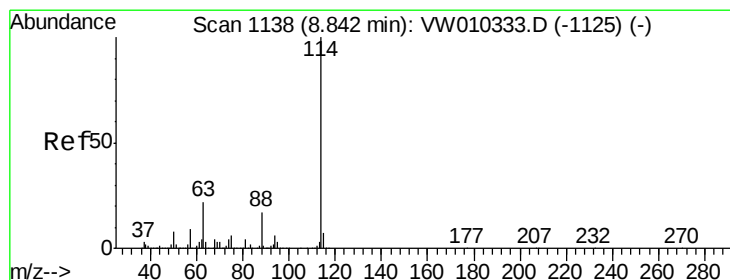
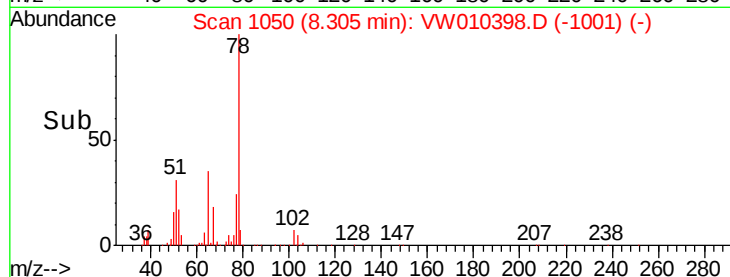
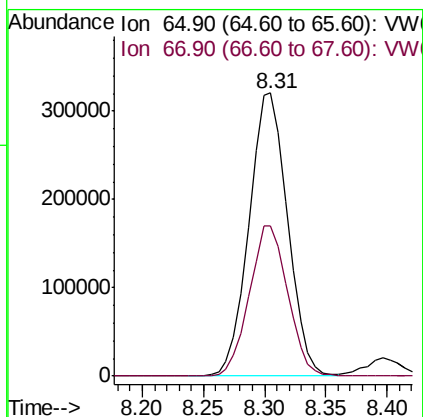
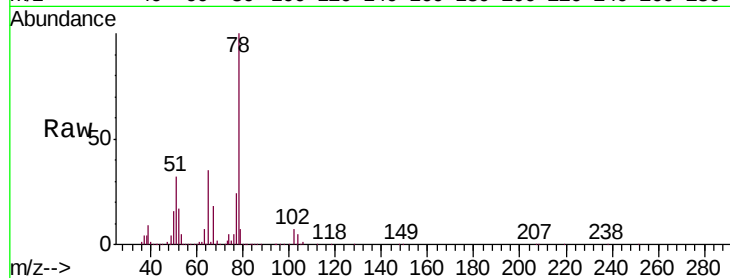
VSTDCCC050

Tgt Ion: 65 Resp: 704318

Ion Ratio Lower Upper

65 100

67 52.8 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

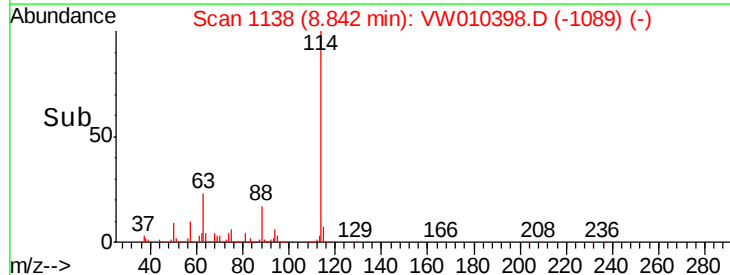
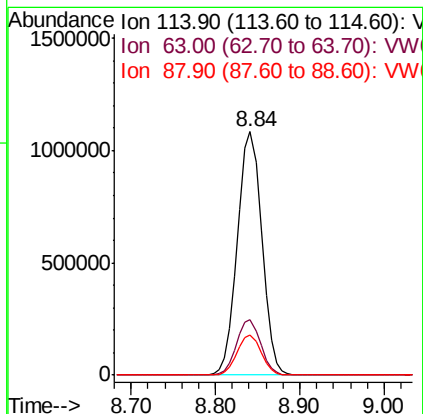
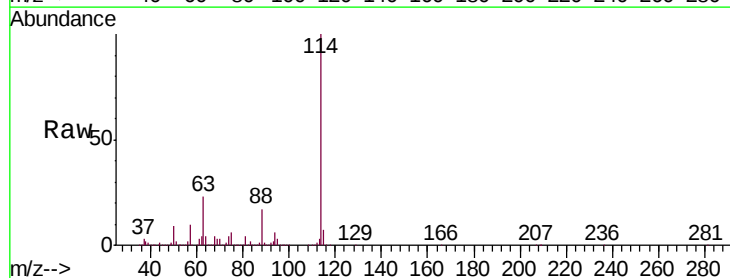
Tgt Ion: 114 Resp: 2115923

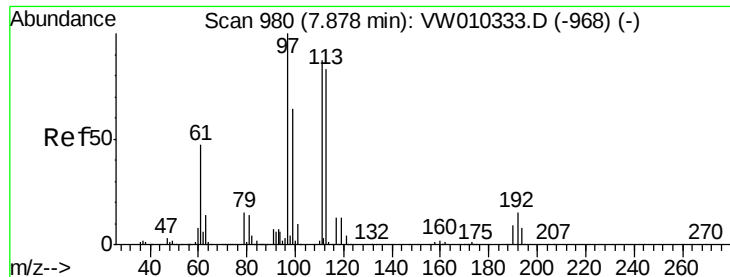
Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.2

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.150 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

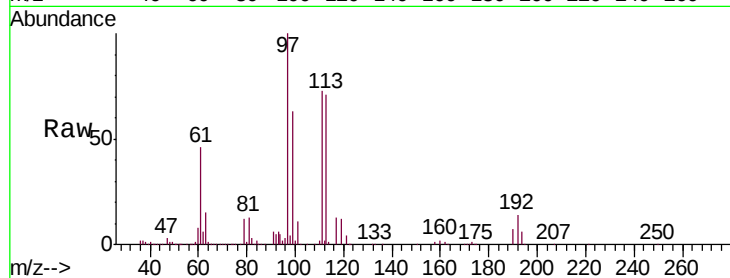
Tgt Ion:113 Resp: 645725

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

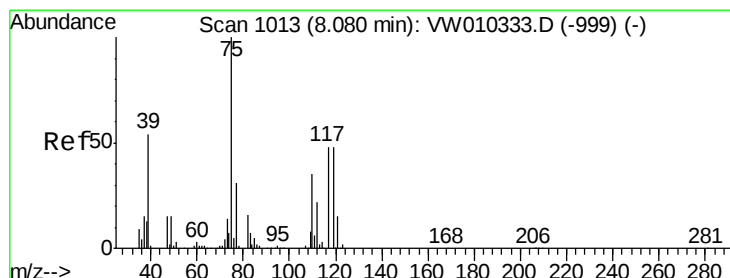
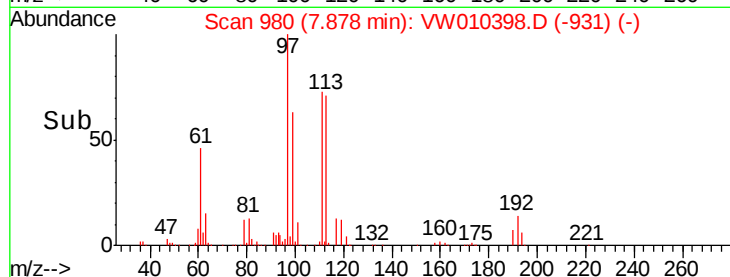
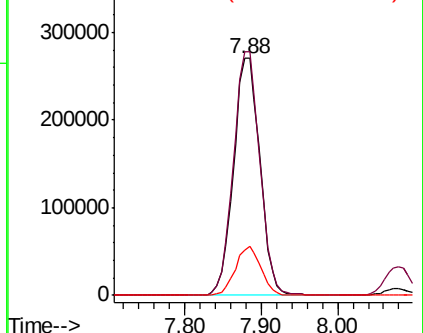
192 19.9 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 55.630 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

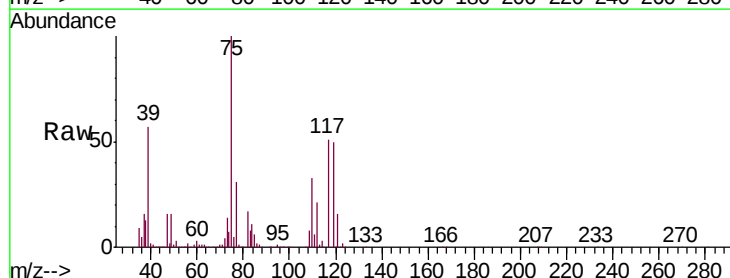
Tgt Ion: 75 Resp: 1276283

Ion Ratio Lower Upper

75 100

110 32.8 16.6 49.8

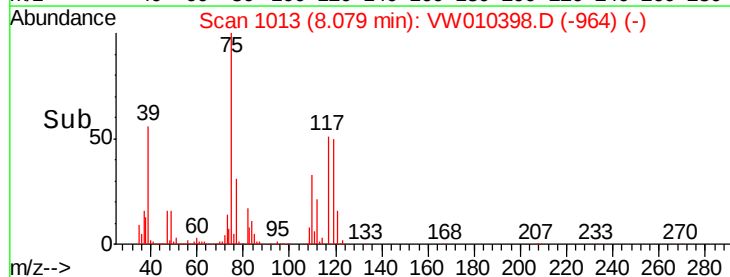
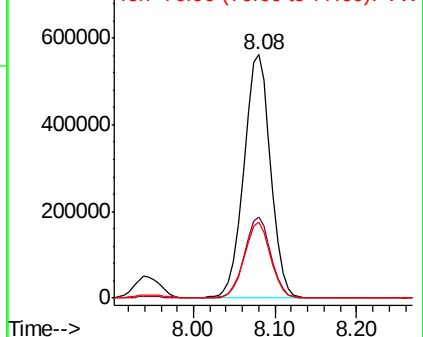
77 30.9 24.8 37.2

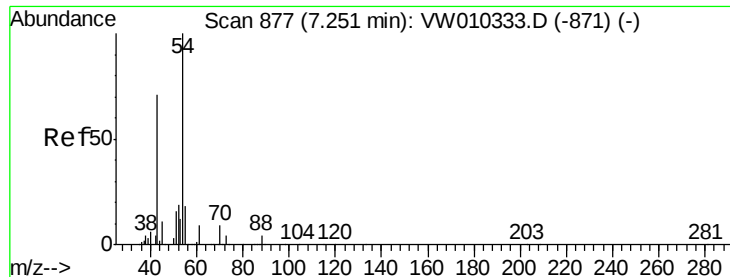


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

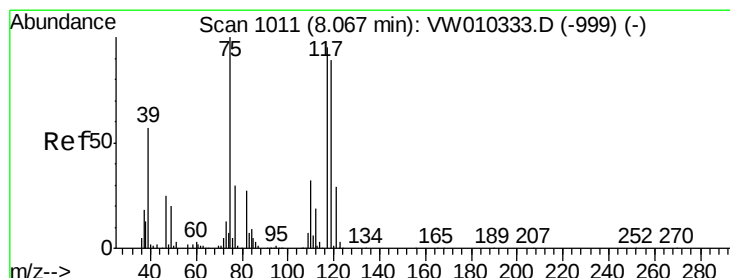
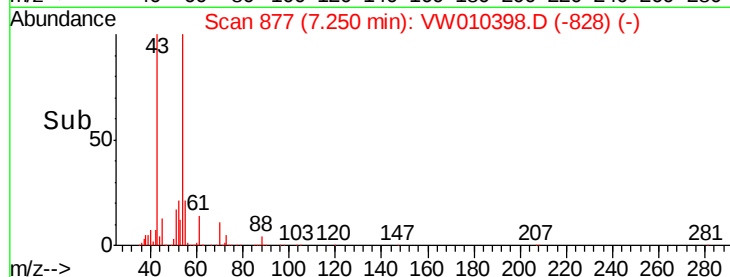
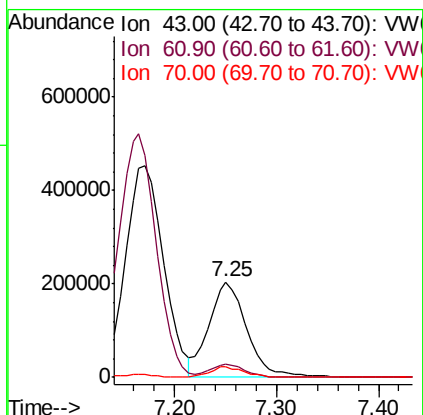
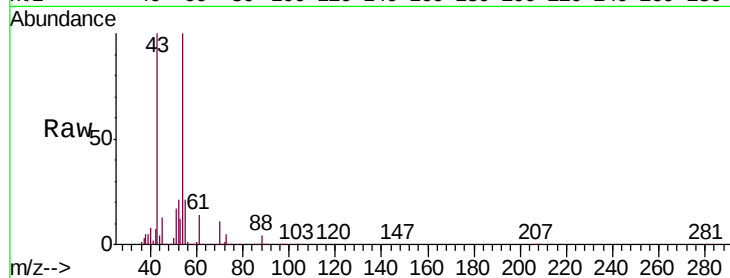




#37
Ethyl Acetate
Concen: 42.623 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

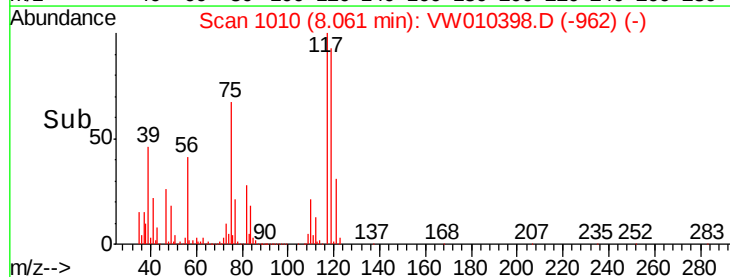
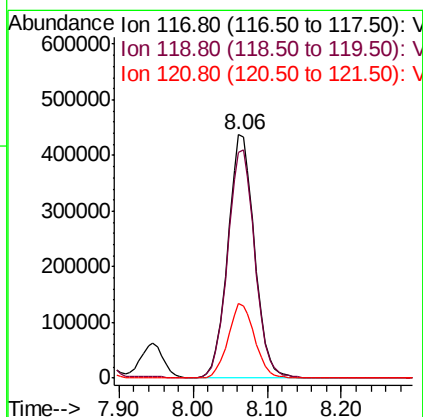
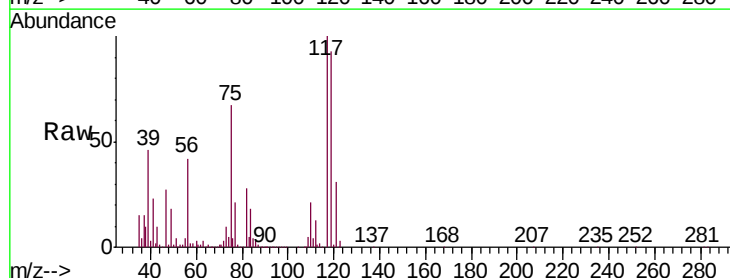
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

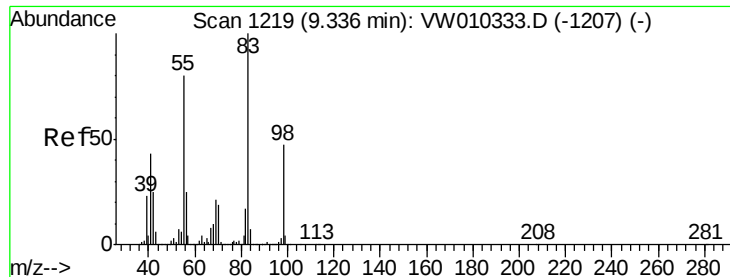
Tgt Ion: 43 Resp: 520655
Ion Ratio Lower Upper
43 100
61 12.8 9.8 14.8
70 10.2 7.4 11.0



#38
Carbon Tetrachloride
Concen: 55.763 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 117 Resp: 1096672
Ion Ratio Lower Upper
117 100
119 92.6 75.3 112.9
121 30.8 24.4 36.6

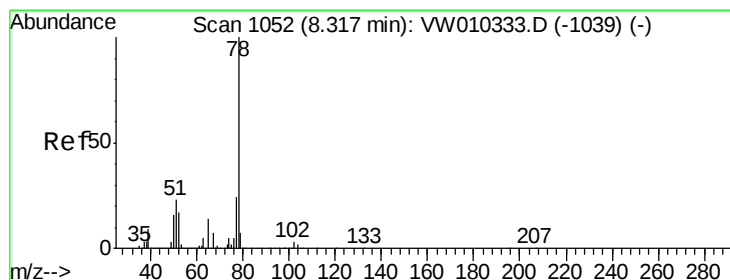
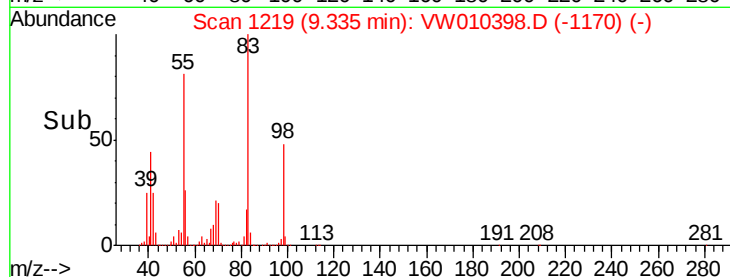
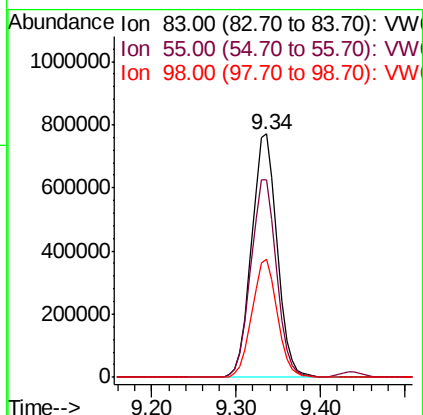
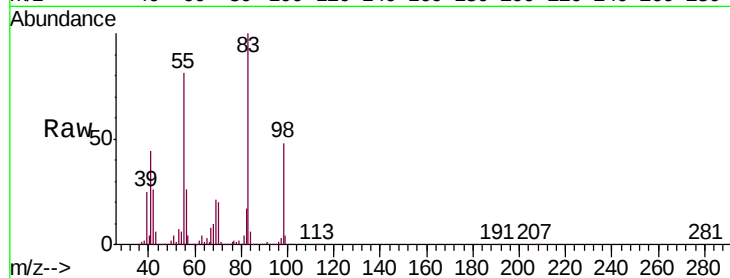




#39
Methylcyclohexane
Concen: 56.462 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

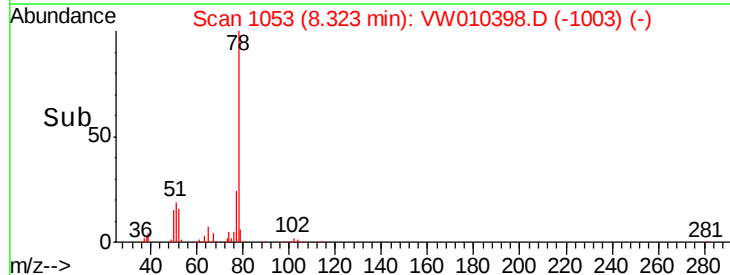
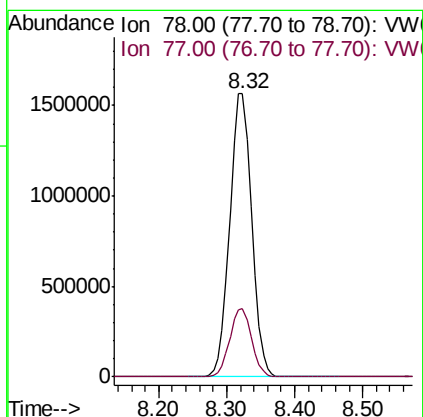
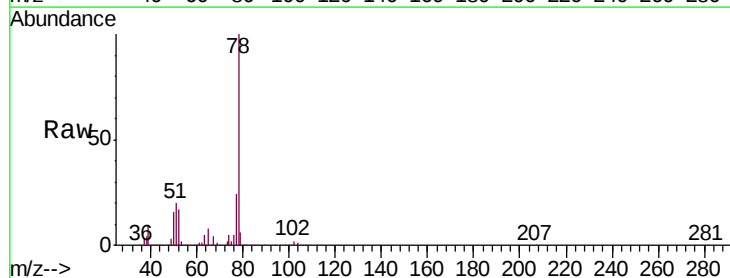
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

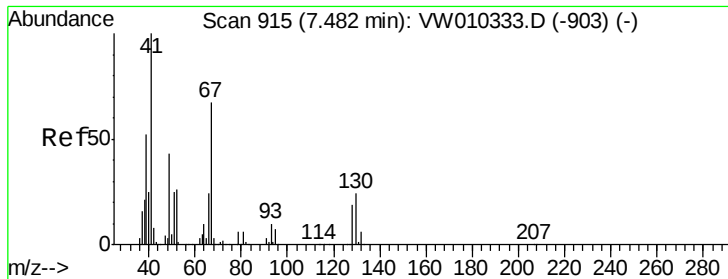
Tgt Ion: 83 Resp: 1584642
Ion Ratio Lower Upper
83 100
55 81.3 67.1 100.7
98 48.3 39.2 58.8



#40
Benzene
Concen: 55.795 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 78 Resp: 3505682
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7





#41

Methacrylonitrile

Concen: 44.622 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 305685

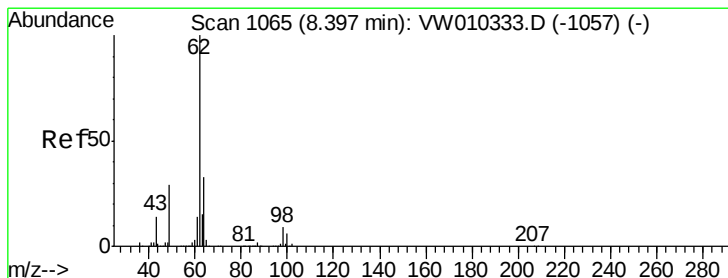
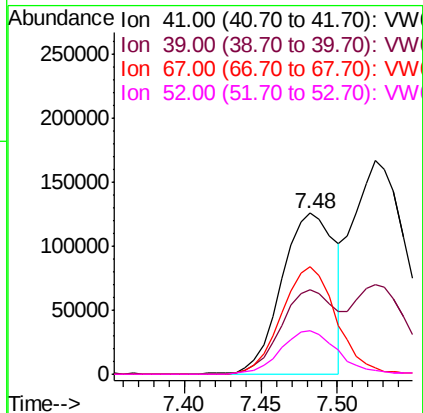
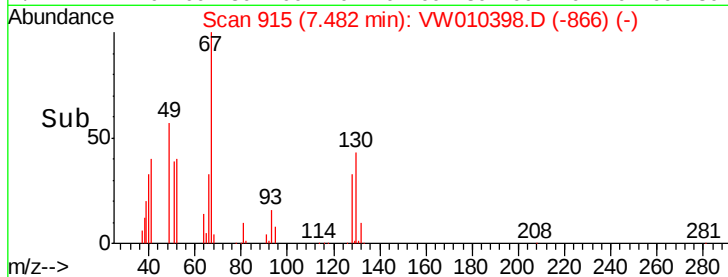
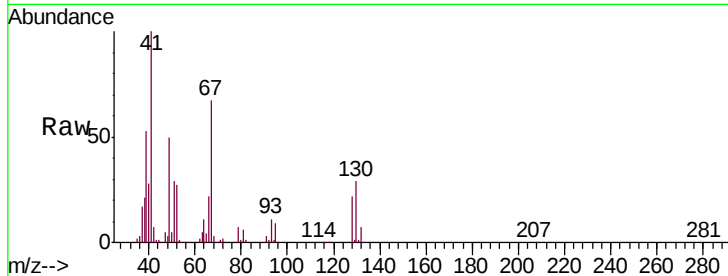
Ion Ratio Lower Upper

41 100

39 52.0 45.0 67.4

67 68.1 50.7 76.1

52 28.6 22.6 33.8



#42

1,2-Dichloroethane

Concen: 55.200 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010398.D

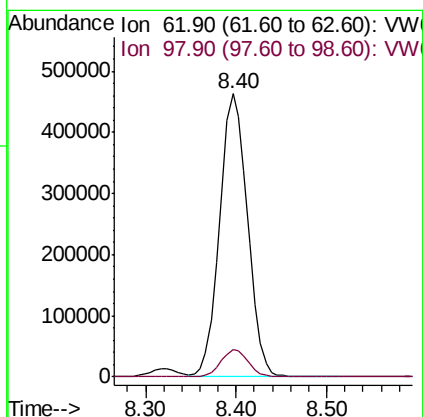
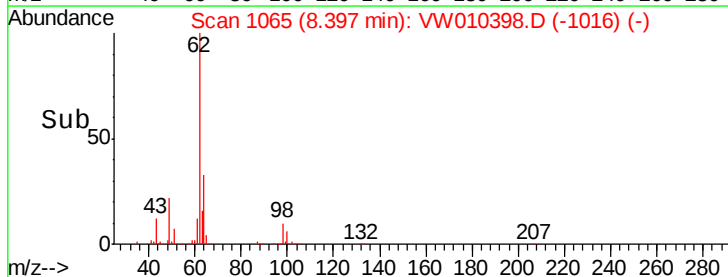
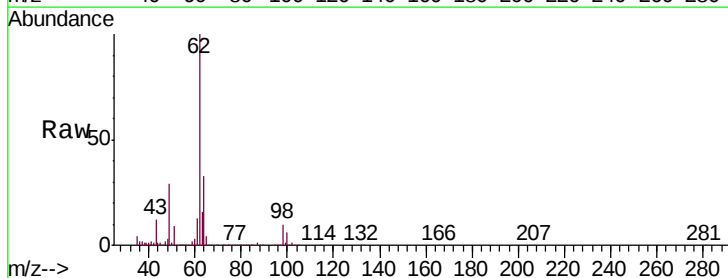
Acq: 12 May 2019 10:04

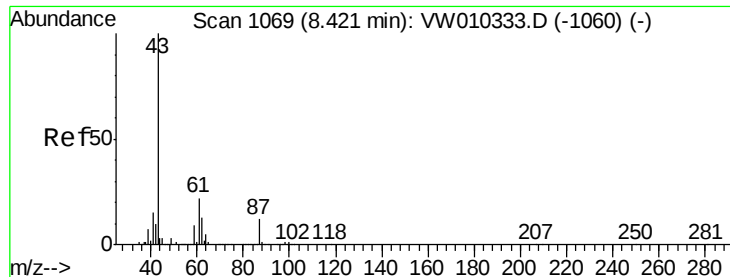
Tgt Ion: 62 Resp: 992745

Ion Ratio Lower Upper

62 100

98 9.3 0.0 16.6





#43

Isopropyl Acetate

Concen: 45.917 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

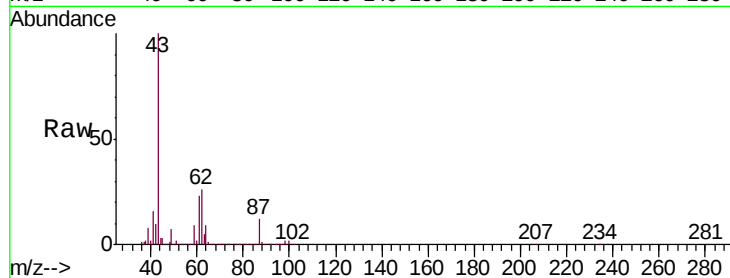
Tgt Ion: 43 Resp: 930222

Ion Ratio Lower Upper

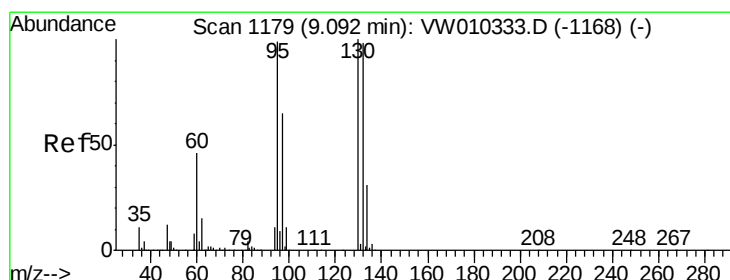
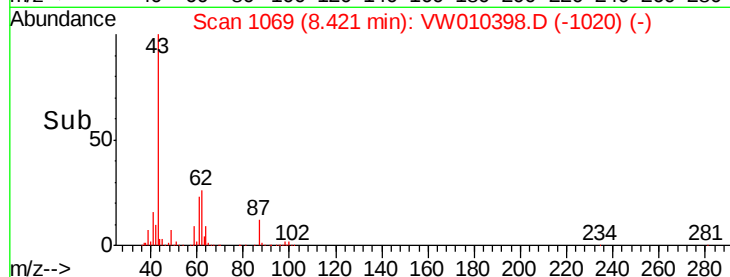
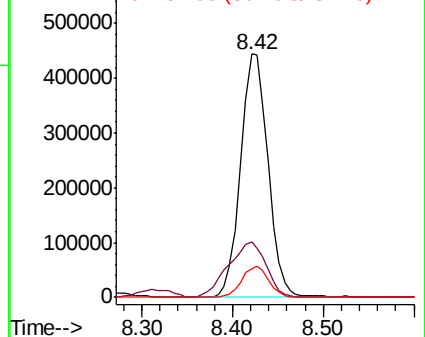
43 100

61 31.3 23.0 34.6

87 12.6 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 55.524 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010398.D

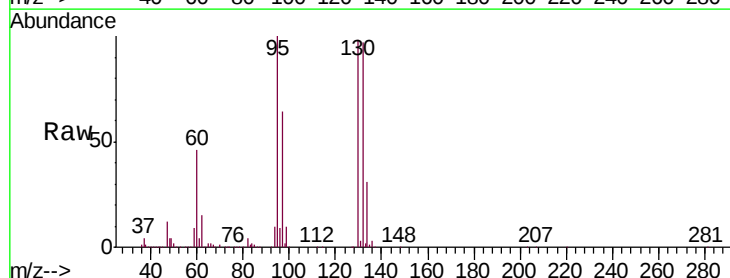
Acq: 12 May 2019 10:04

Tgt Ion: 130 Resp: 873372

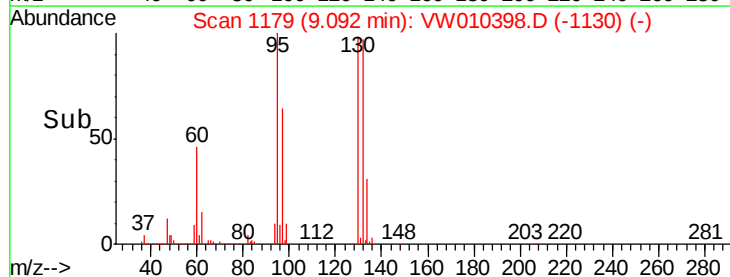
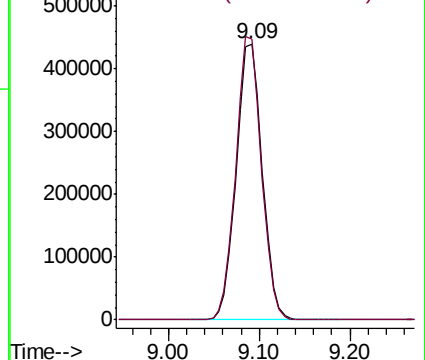
Ion Ratio Lower Upper

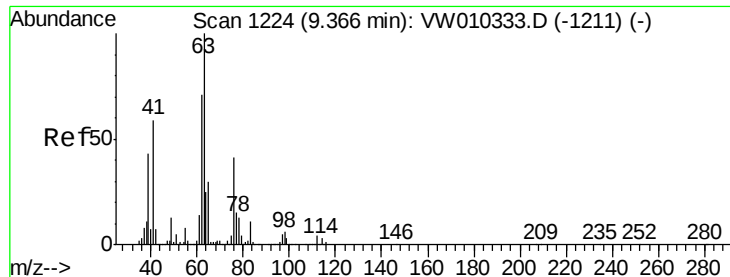
130 100

95 101.9 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

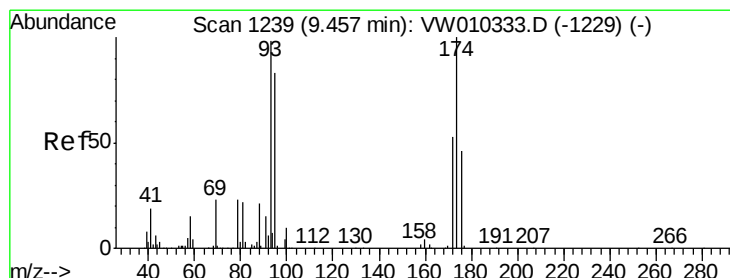
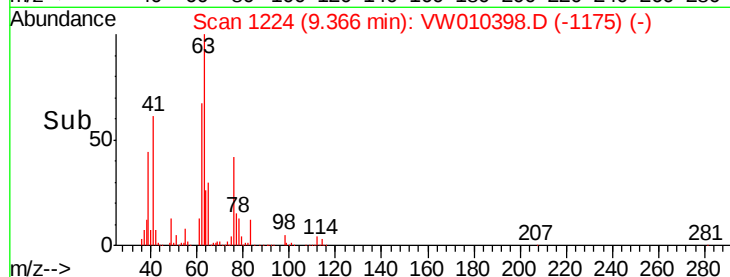
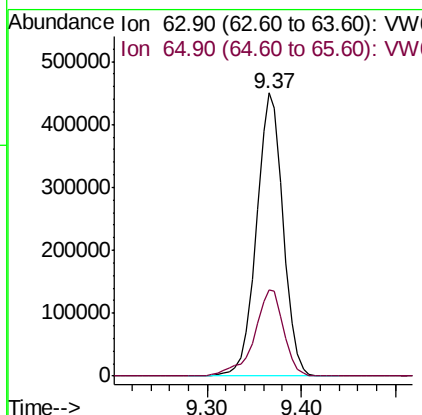
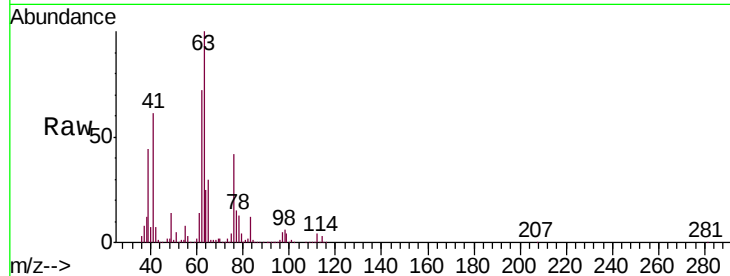




#45
 1,2-Dichloropropane
 Concen: 57.040 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

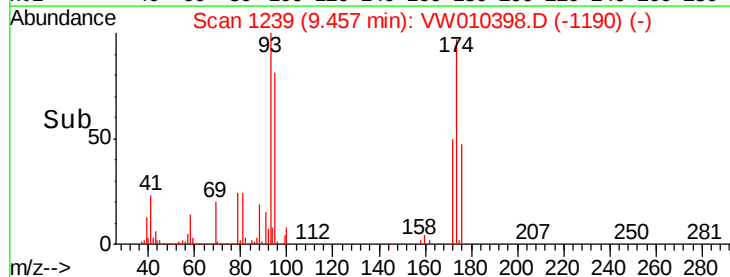
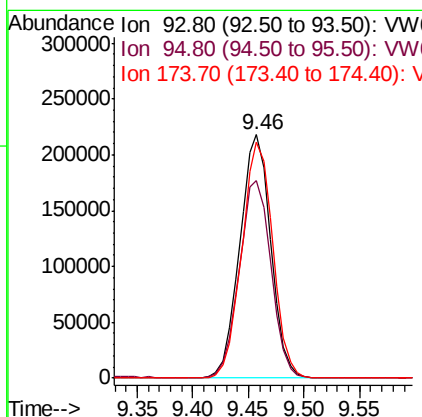
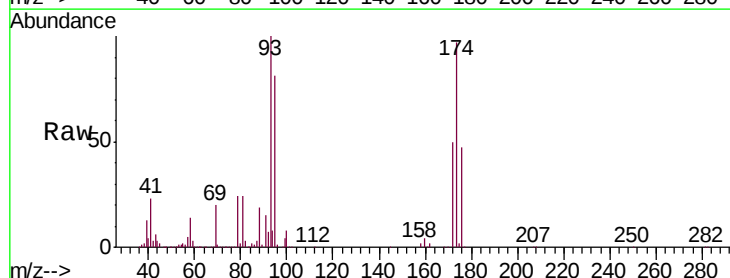
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

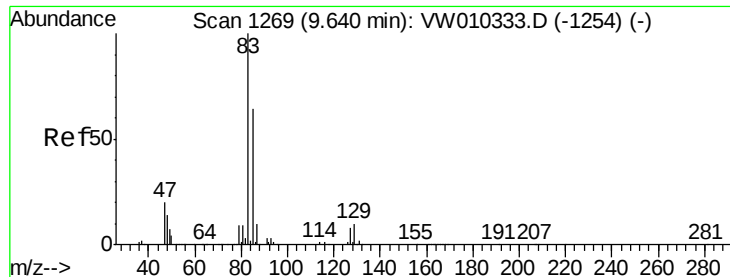
Tgt Ion: 63 Resp: 890855
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.8 35.6



#46
 Dibromomethane
 Concen: 52.160 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion: 93 Resp: 420848
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.8 98.8
 174 97.2 75.5 113.3





#47

Bromodichloromethane

Concen: 57.557 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

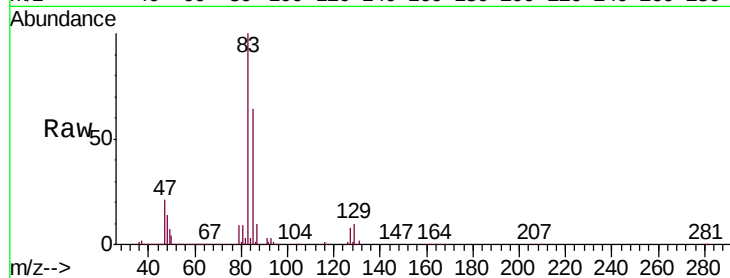
Tgt Ion: 83 Resp: 1113967

Ion Ratio Lower Upper

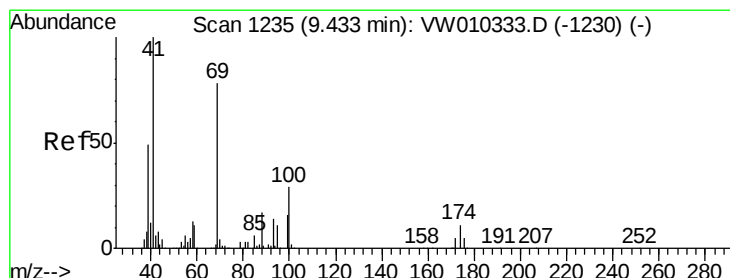
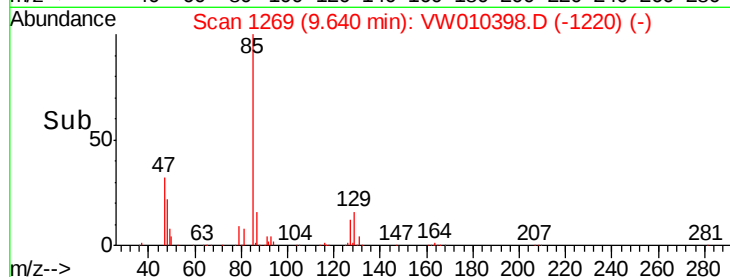
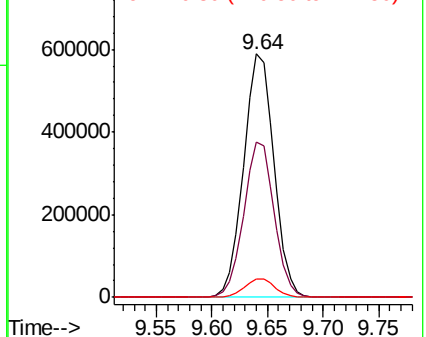
83 100

85 63.8 50.6 75.8

127 7.8 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.781 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

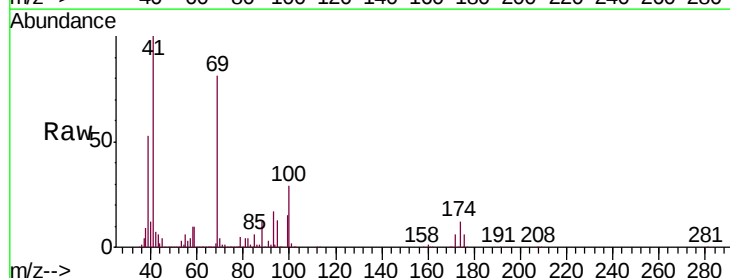
Tgt Ion: 41 Resp: 457691

Ion Ratio Lower Upper

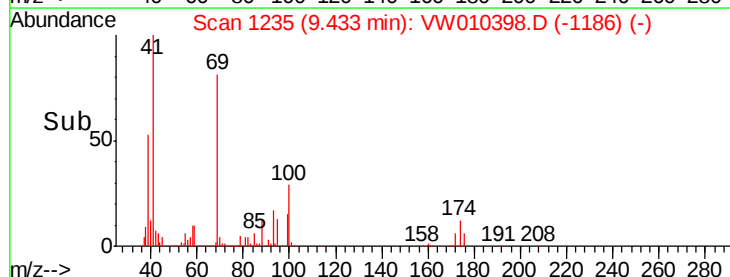
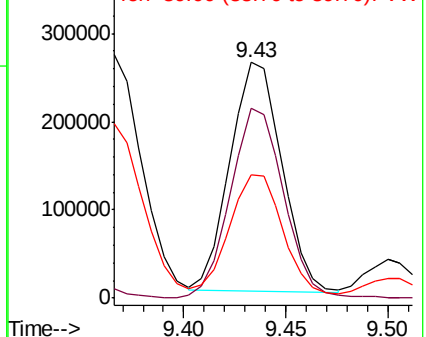
41 100

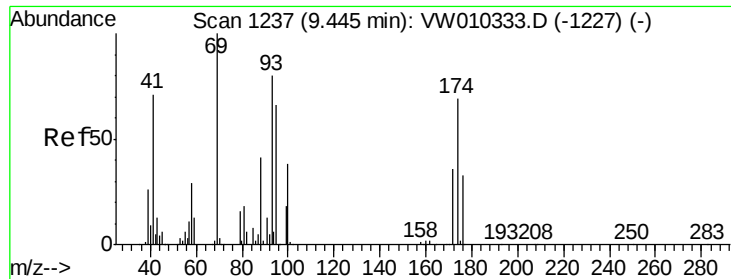
69 85.9 60.1 90.1

39 52.8 51.0 76.6



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

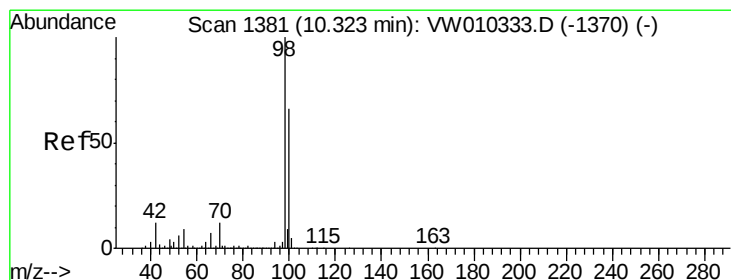
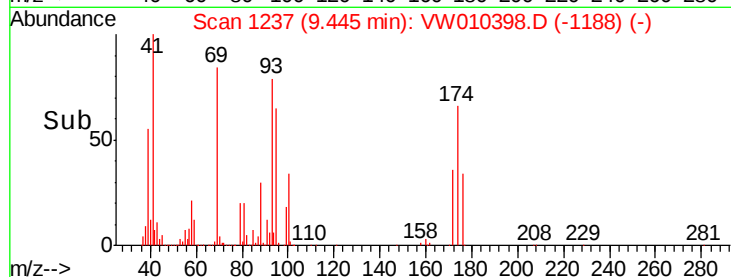
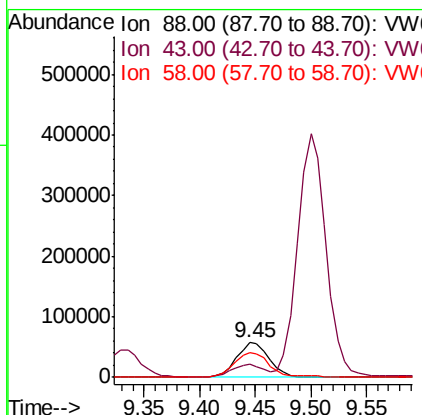
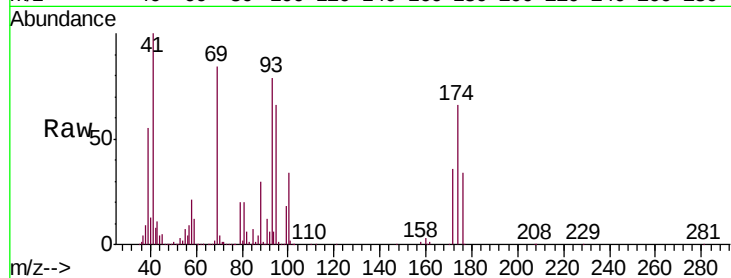




#49
1,4-Dioxane
Concen: 828.667 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

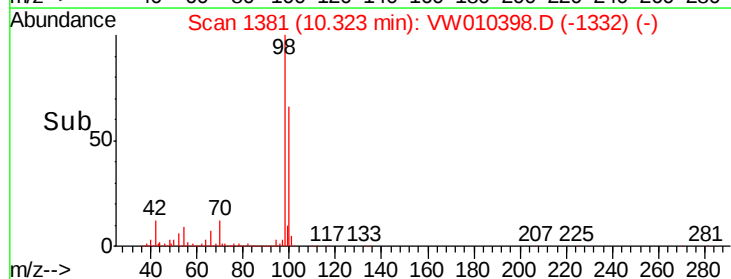
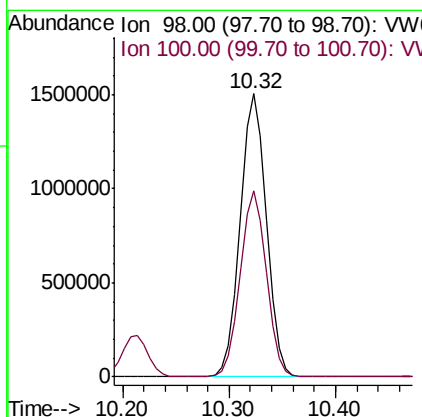
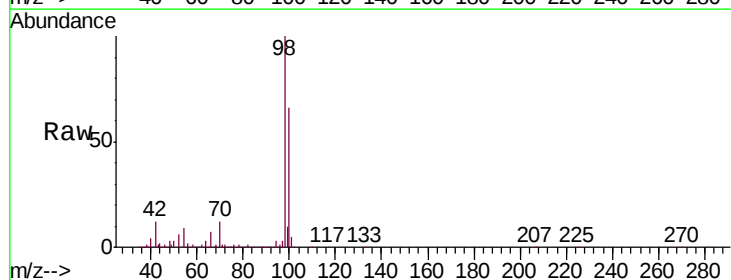
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

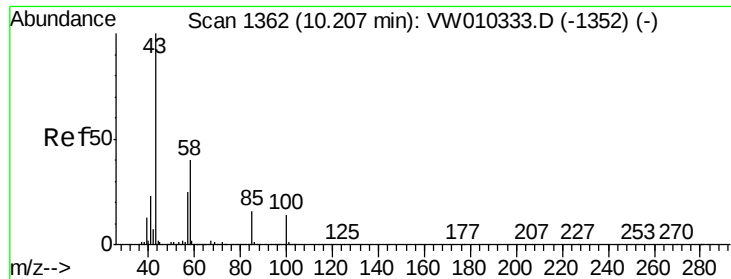
Tgt Ion: 88 Resp: 116598
Ion Ratio Lower Upper
88 100
43 35.2 31.9 47.9
58 74.8 61.8 92.6



#50
Toluene-d8
Concen: 51.751 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 98 Resp: 2609299
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

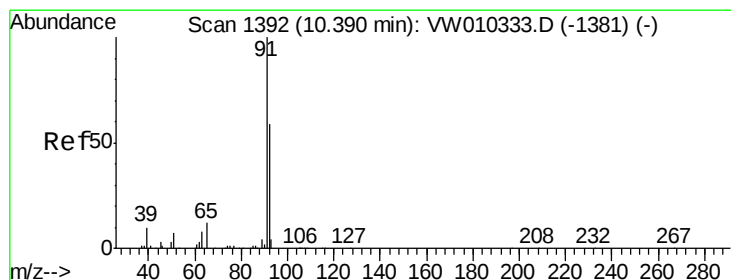
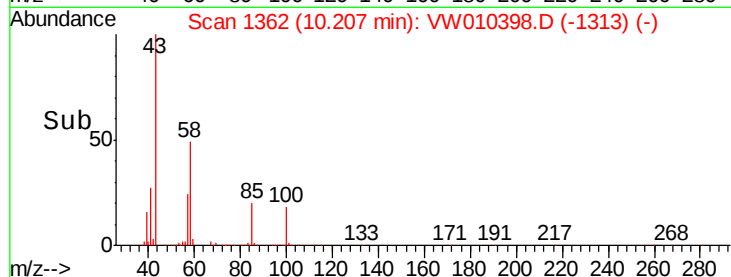
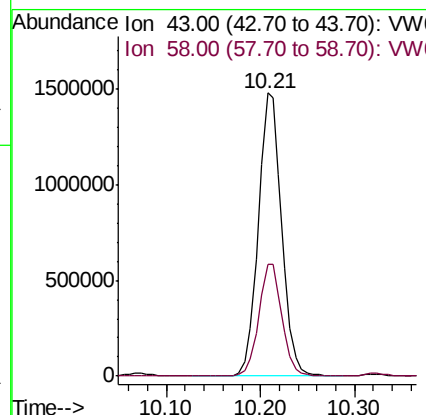
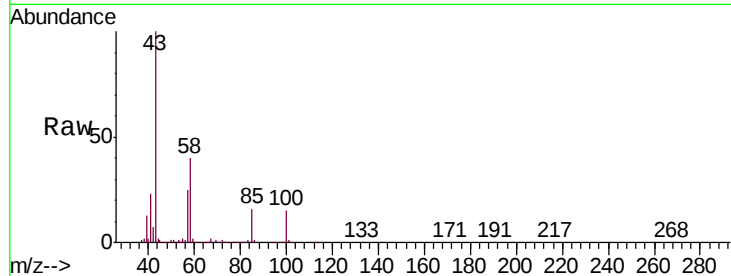




#51
 4-Methyl-2-Pentanone
 Concen: 221.496 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

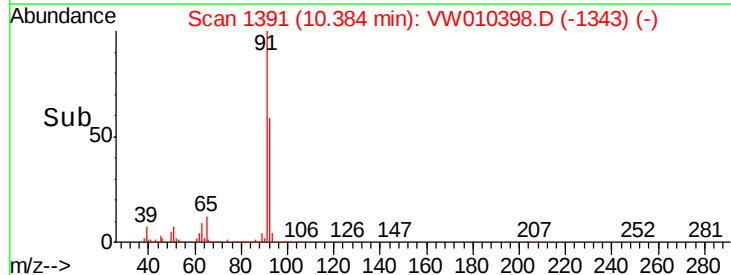
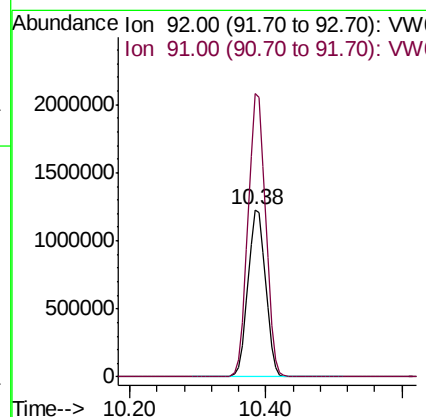
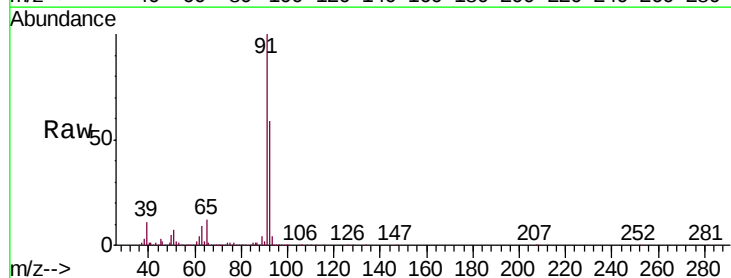
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

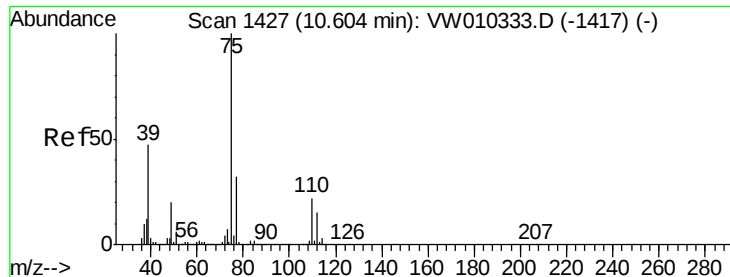
Tgt Ion: 43 Resp: 2573023
 Ion Ratio Lower Upper
 43 100
 58 39.3 28.9 43.3



#52
 Toluene
 Concen: 57.562 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion: 92 Resp: 2210579
 Ion Ratio Lower Upper
 92 100
 91 169.2 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 57.283 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

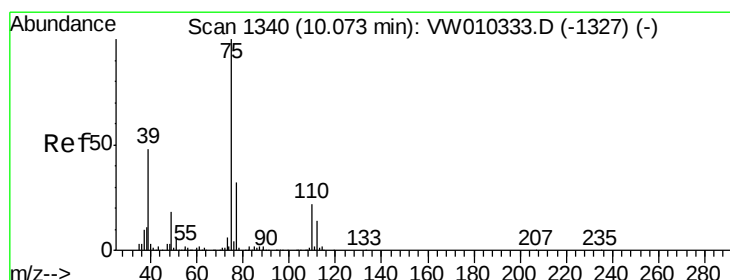
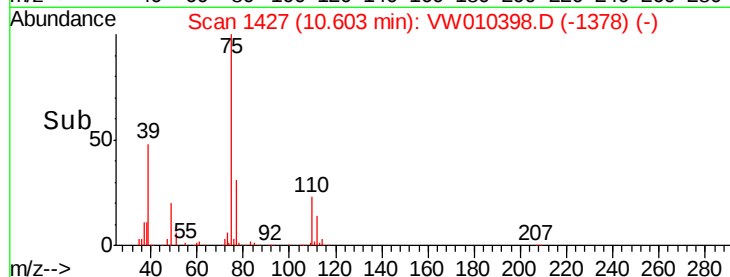
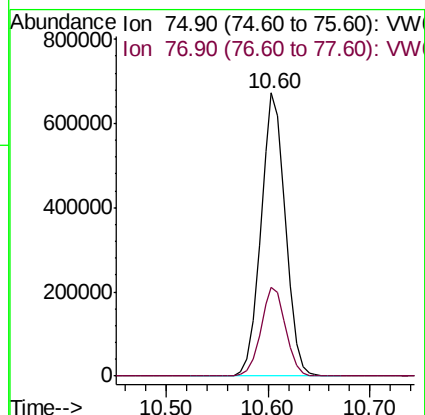
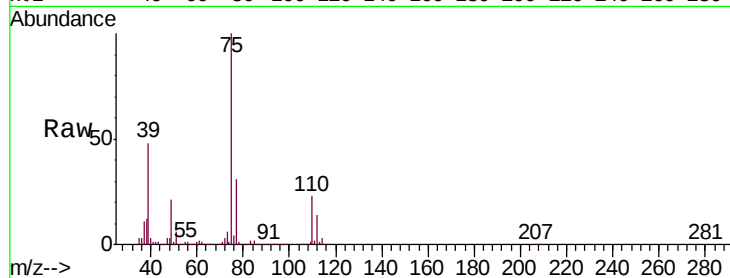
VSTDCCC050

Tgt Ion: 75 Resp: 1122988

Ion Ratio Lower Upper

75 100

77 31.4 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 58.260 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

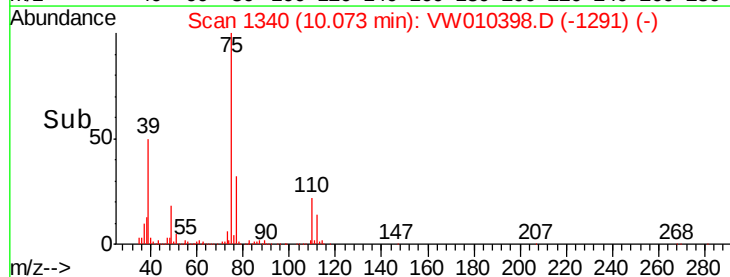
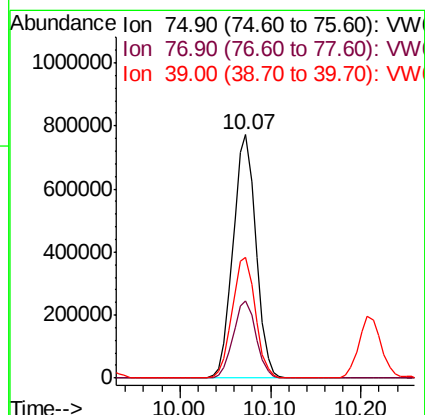
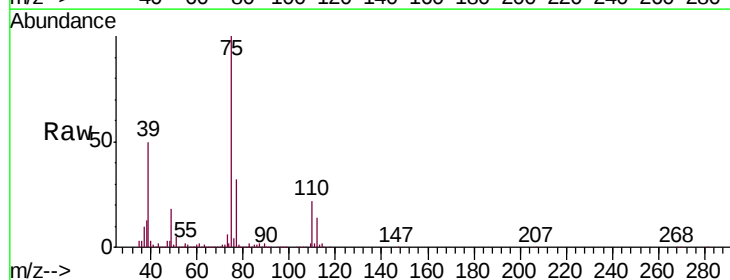
Tgt Ion: 75 Resp: 1352649

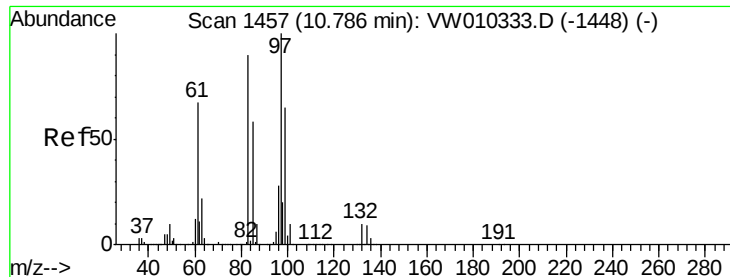
Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

39 49.6 47.8 71.6





#55

1,1,2-Trichloroethane

Concen: 53.029 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 607695

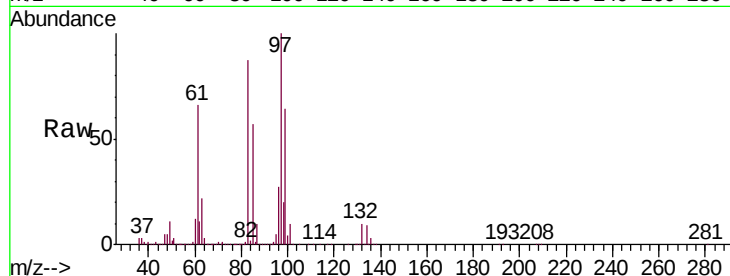
Ion Ratio Lower Upper

97 100

83 86.9 68.9 103.3

85 57.4 42.9 64.3

99 63.5 48.6 72.8

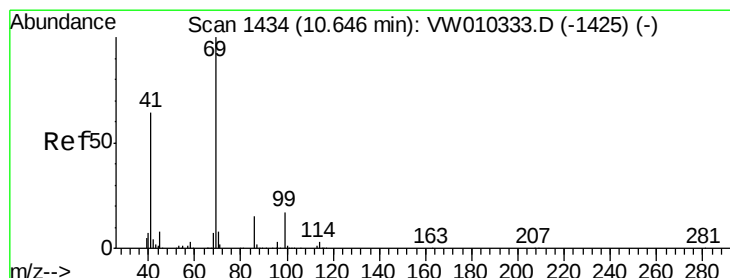
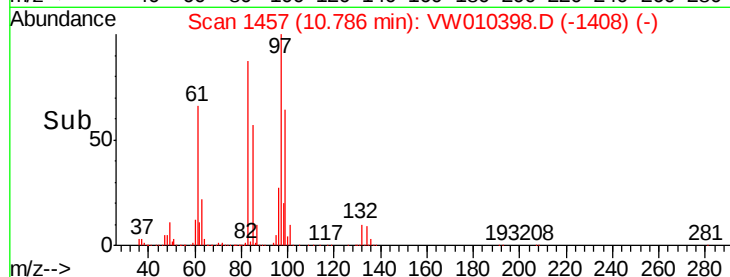
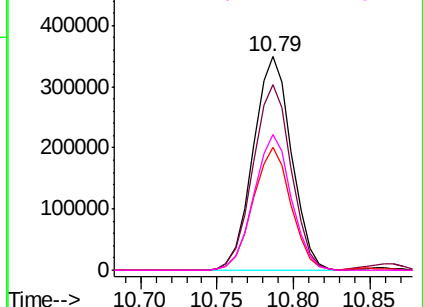


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 53.581 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

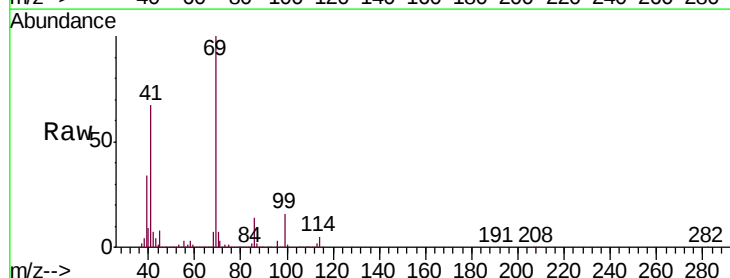
Tgt Ion: 69 Resp: 810848

Ion Ratio Lower Upper

69 100

41 68.7 61.0 91.6

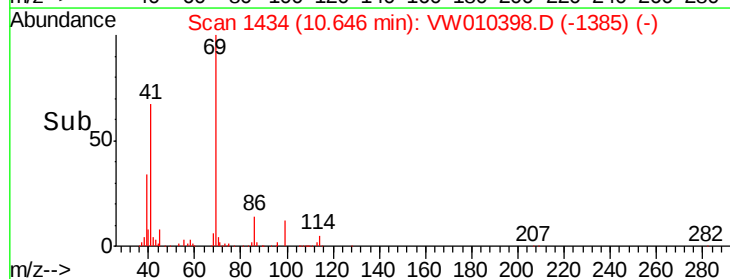
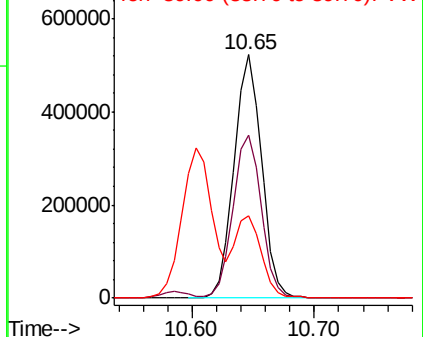
39 32.6 33.8 50.6#

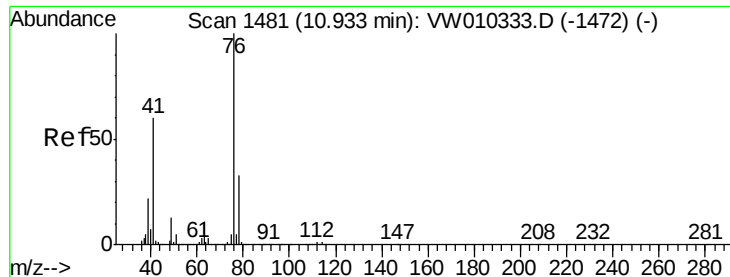


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 53.729 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

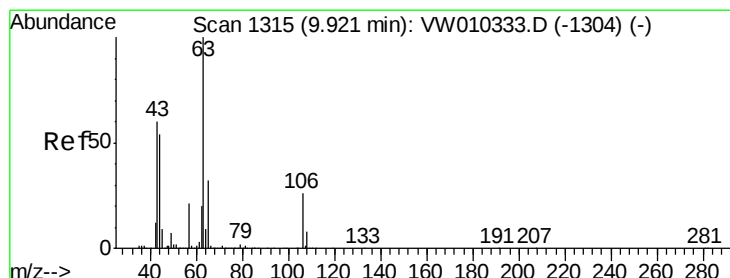
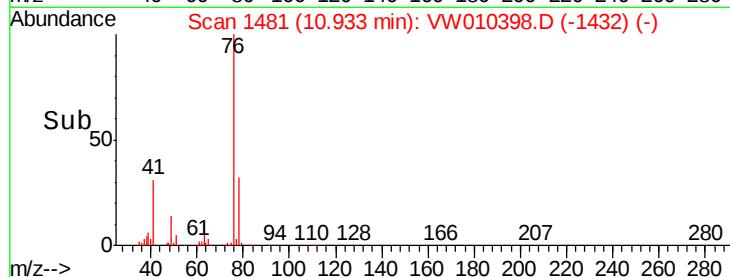
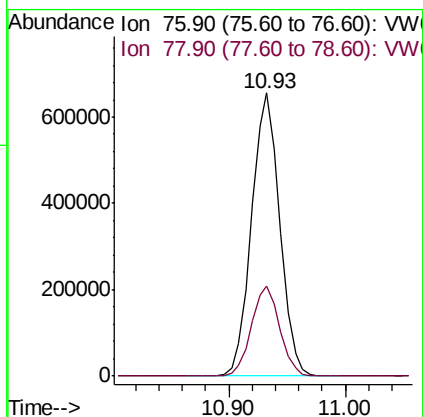
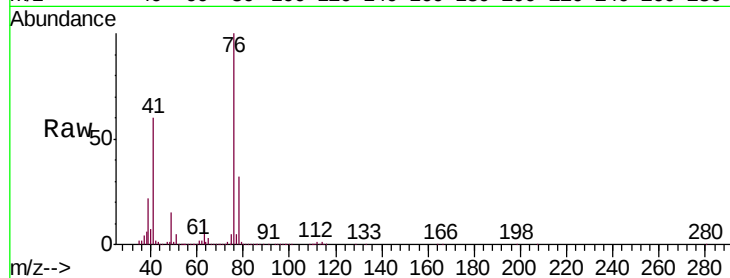
VSTDCCC050

Tgt Ion: 76 Resp: 1100717

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 242.711 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010398.D

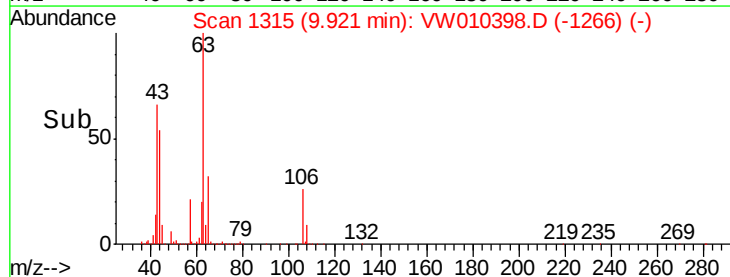
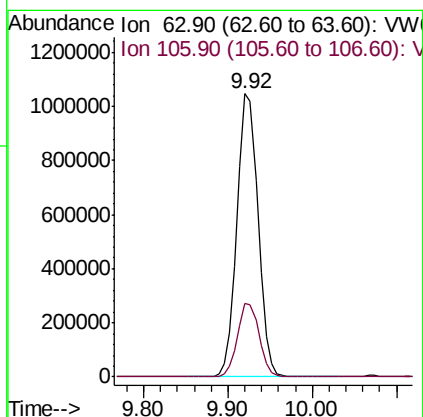
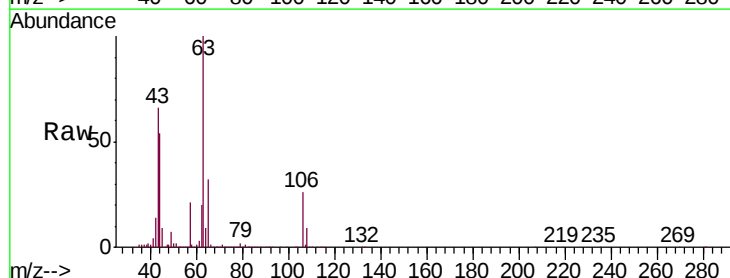
Acq: 12 May 2019 10:04

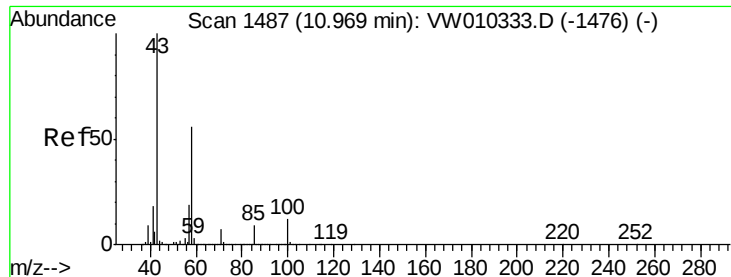
Tgt Ion: 63 Resp: 1758564

Ion Ratio Lower Upper

63 100

106 26.6 21.4 32.0

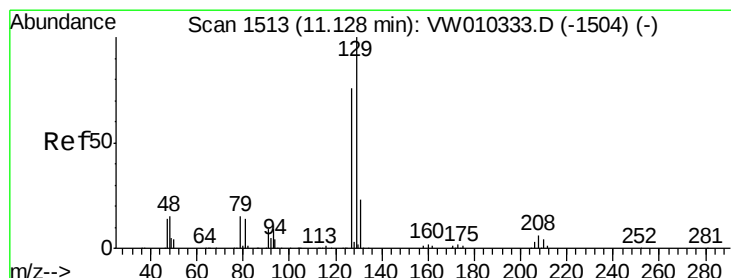
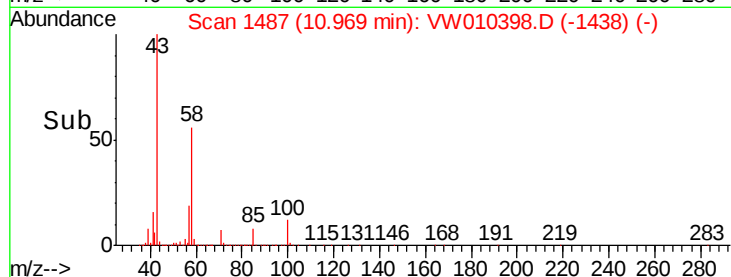
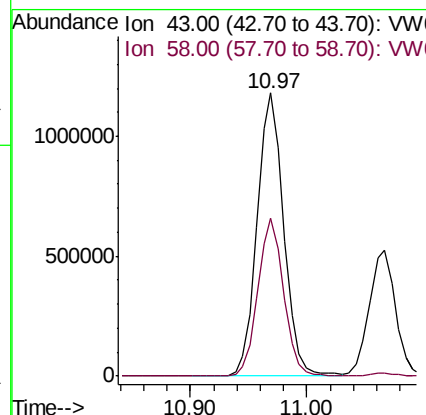
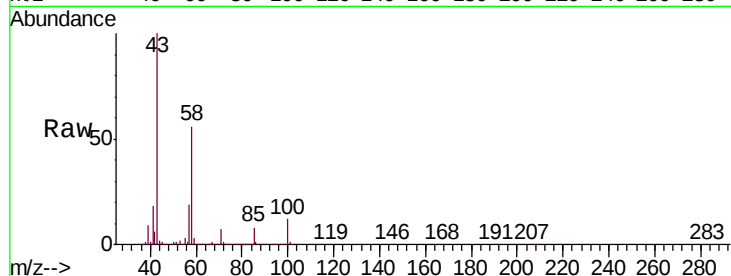




#59
2-Hexanone
Concen: 229.356 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

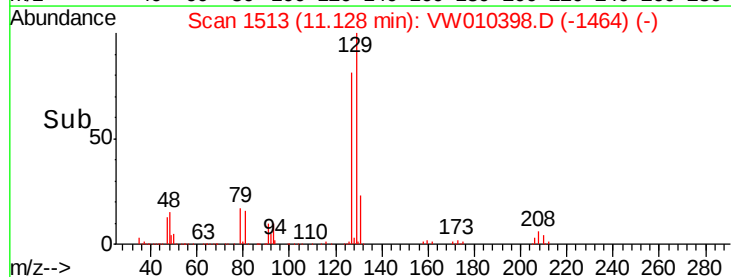
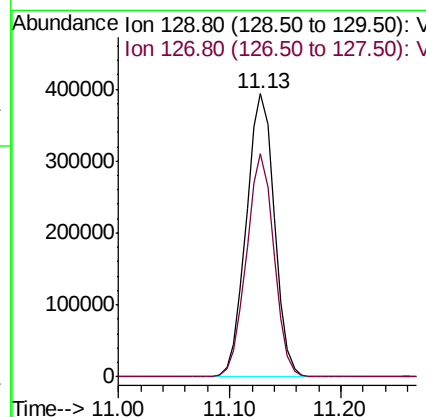
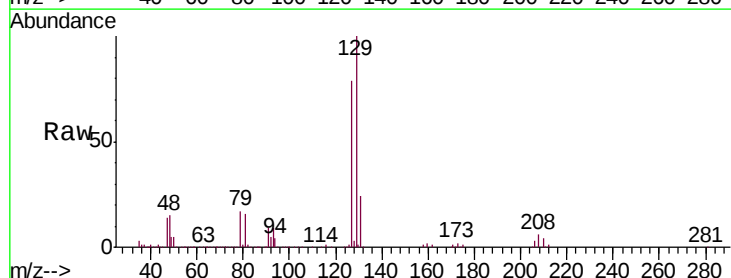
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

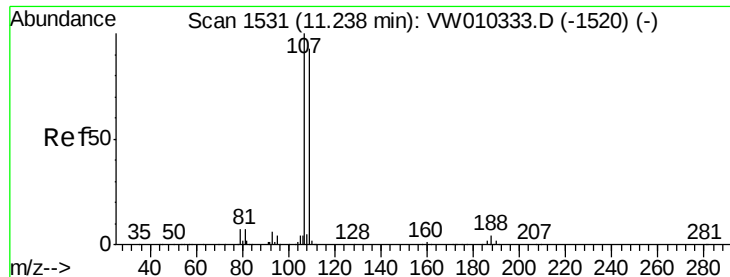
Tgt Ion: 43 Resp: 1883772
Ion Ratio Lower Upper
43 100
58 54.3 24.9 74.7



#60
Dibromochloromethane
Concen: 55.980 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 129 Resp: 690313
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0

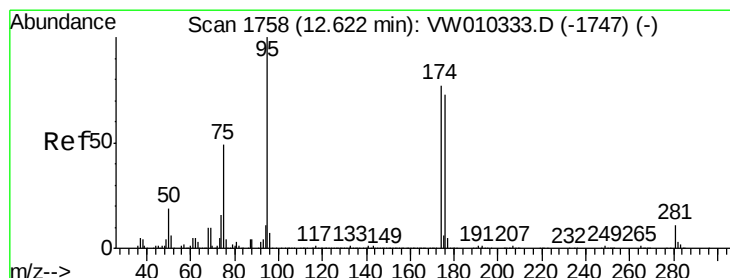
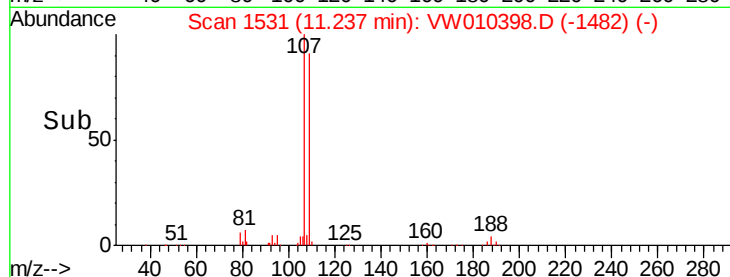
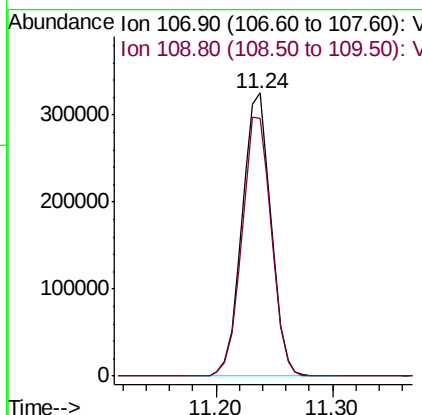
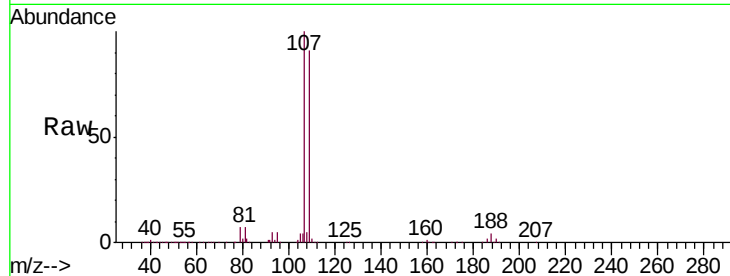




#61
 1,2-Dibromoethane
 Concen: 51.407 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

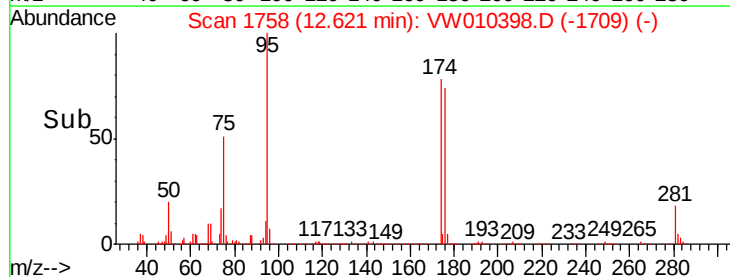
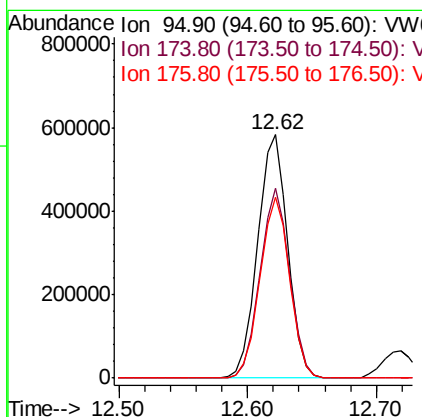
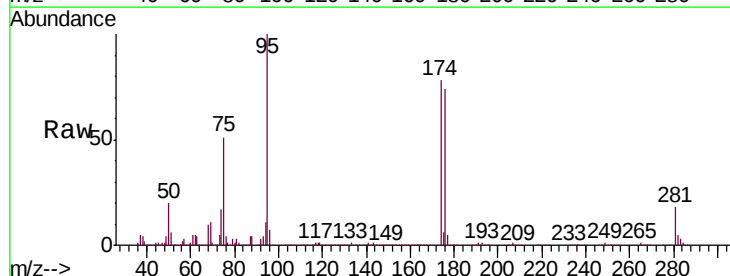
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

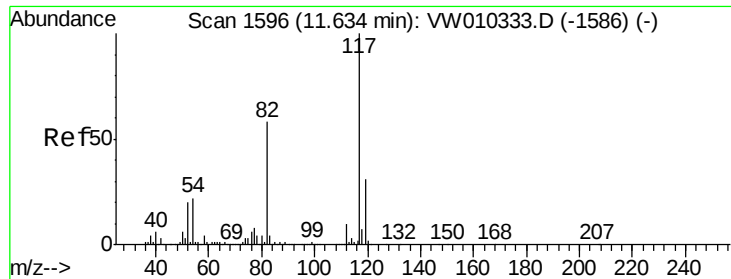
Tgt Ion: 107 Resp: 565527
 Ion Ratio Lower Upper
 107 100
 109 93.2 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 52.488 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion: 95 Resp: 931569
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 151.4
 176 74.0 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

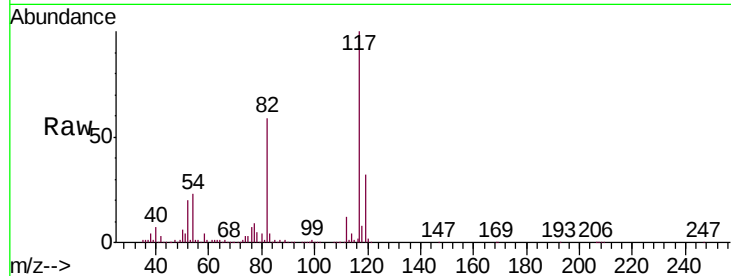
Tgt Ion:117 Resp: 1901709

Ion Ratio Lower Upper

117 100

82 58.9 45.2 67.8

119 31.9 25.4 38.2

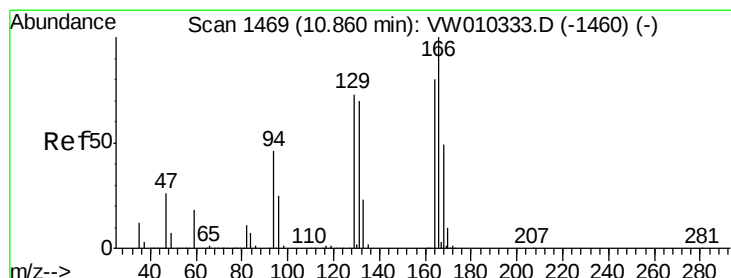
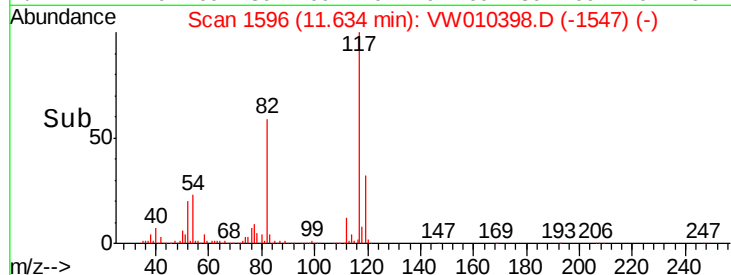
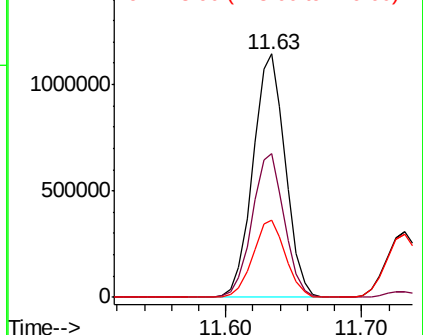


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 53.738 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Tgt Ion:164 Resp: 714271

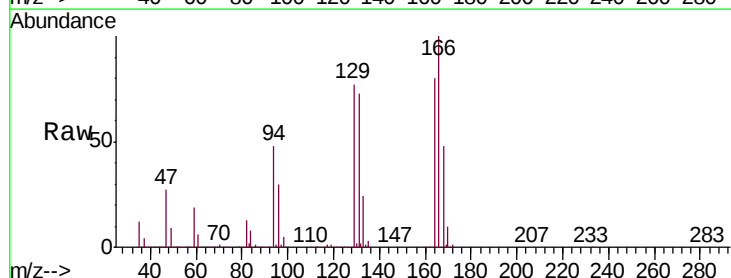
Ion Ratio Lower Upper

164 100

166 124.3 101.2 151.8

129 95.2 77.8 116.6

131 90.5 73.1 109.7



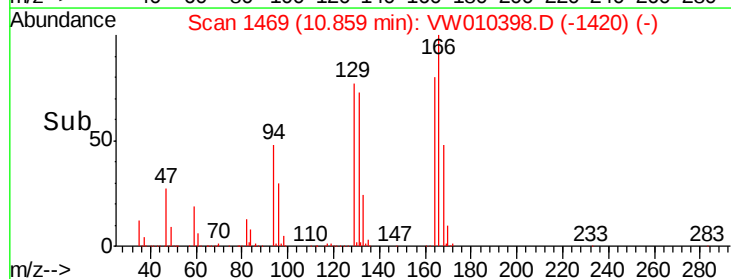
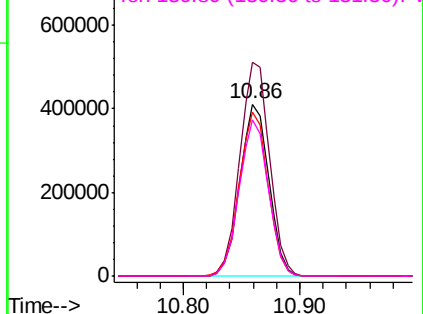
Abundance

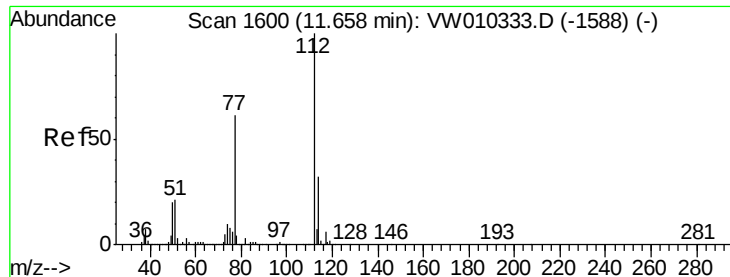
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 56.665 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

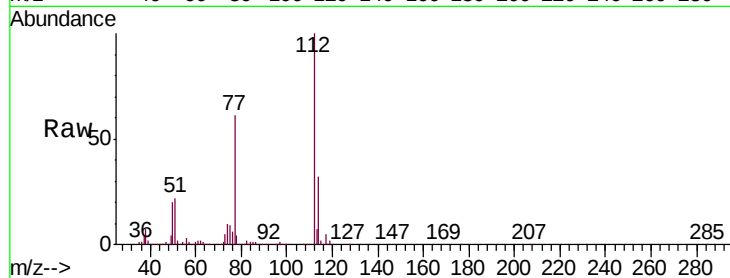
VSTDCCC050

Tgt Ion:112 Resp: 2230694

Ion Ratio Lower Upper

112 100

114 32.1 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

1500000

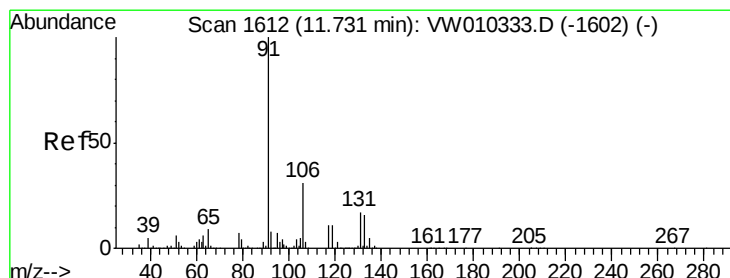
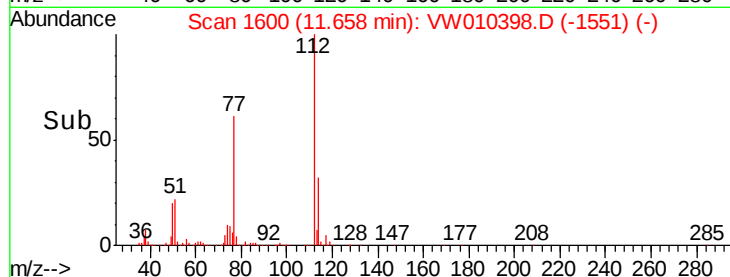
1000000

500000

0

Time-->

11.60 11.70 11.80



#66

1,1,1,2-Tetrachloroethane

Concen: 57.324 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

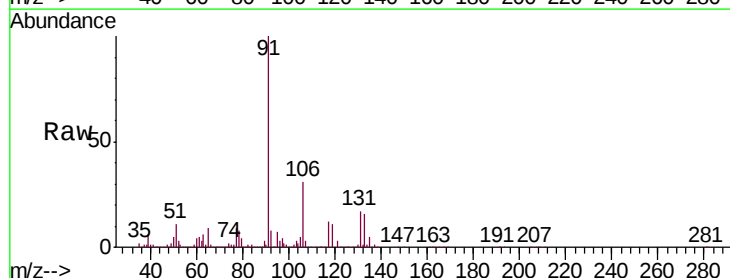
Tgt Ion:131 Resp: 762710

Ion Ratio Lower Upper

131 100

133 95.5 46.5 139.5

119 66.0 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

600000

500000

400000

300000

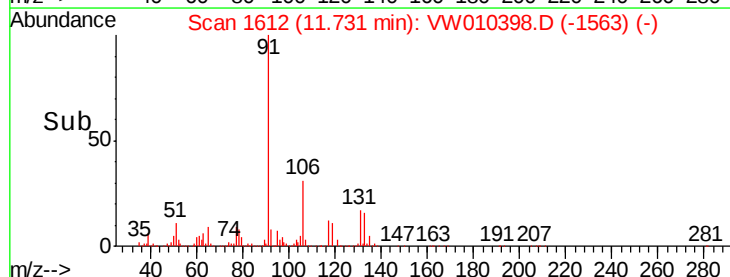
200000

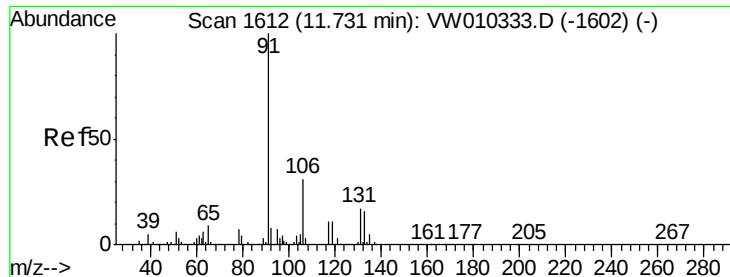
100000

0

Time-->

11.70 11.80

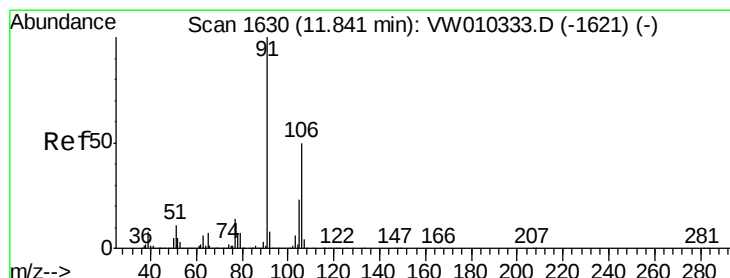
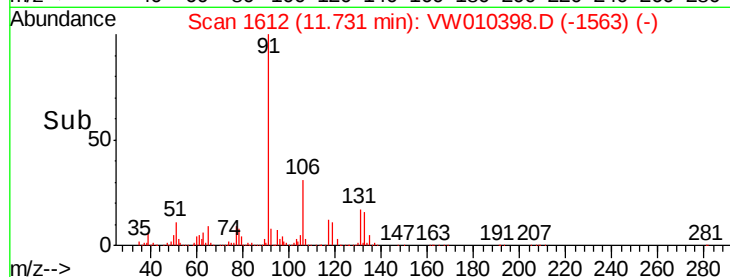
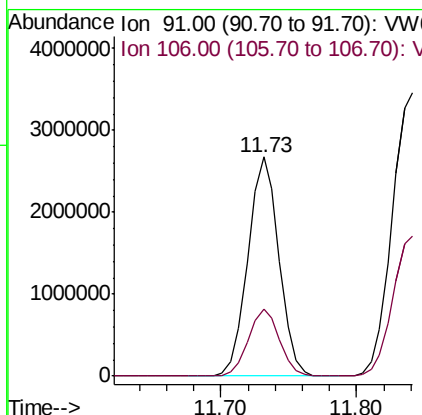
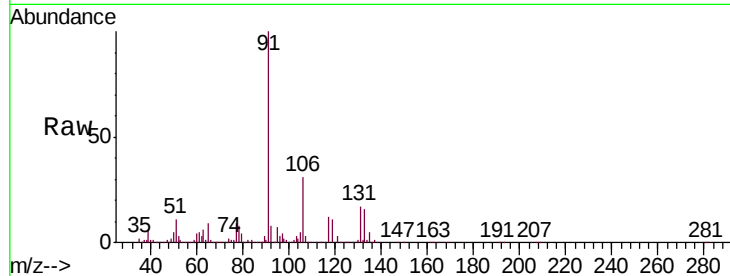




#67
Ethyl Benzene
Concen: 58.919 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

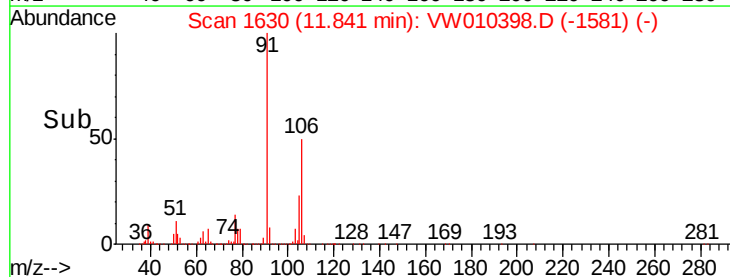
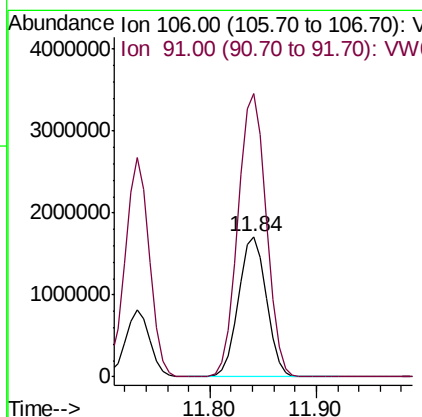
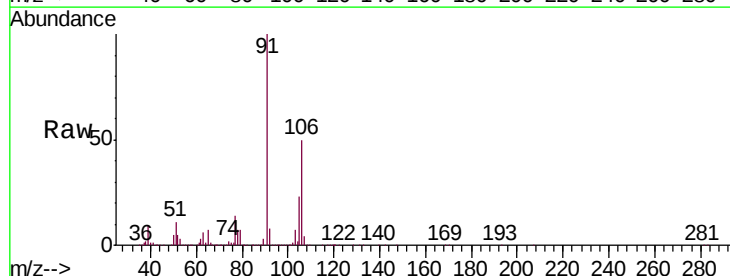
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

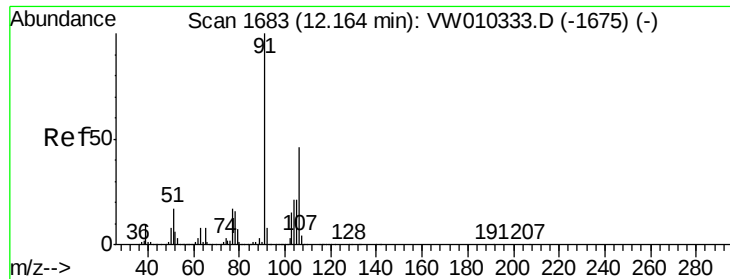
Tgt Ion: 91 Resp: 4266855
Ion Ratio Lower Upper
91 100
106 30.6 23.8 35.8



#68
m/p-Xylenes
Concen: 117.646 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 106 Resp: 3165486
Ion Ratio Lower Upper
106 100
91 204.4 165.0 247.6

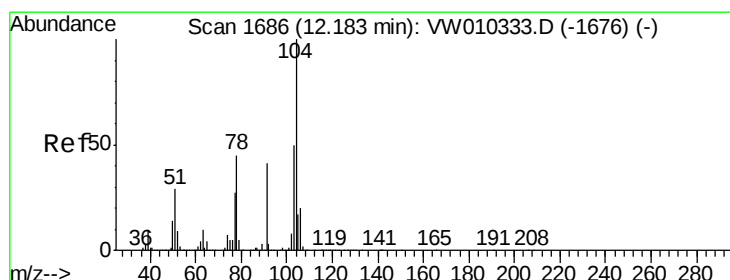
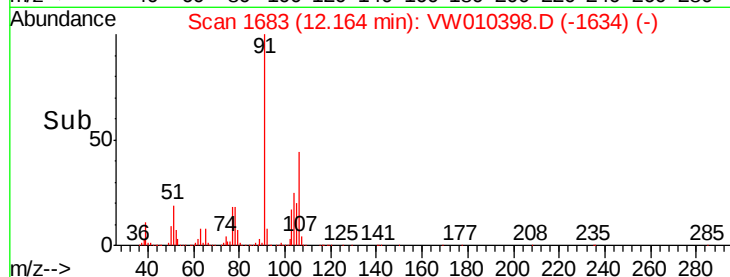
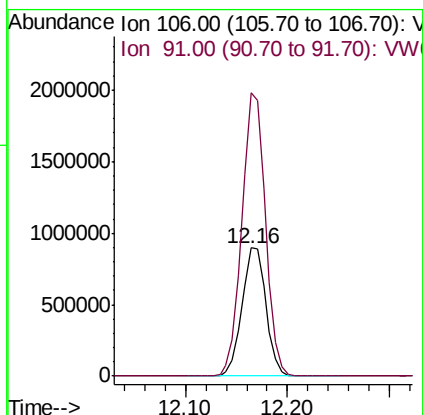
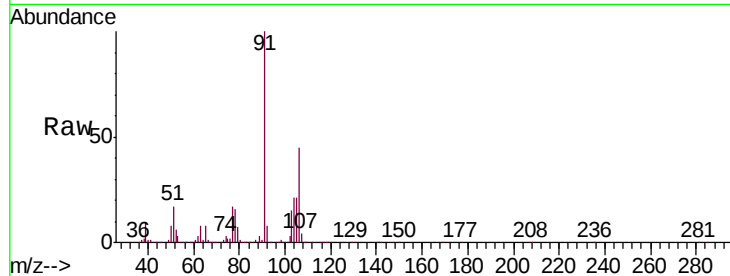




#69
o-Xylene
Concen: 59.758 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

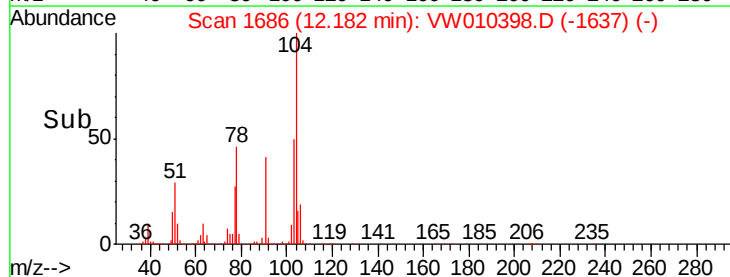
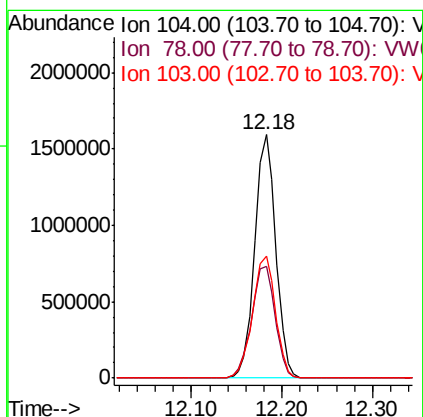
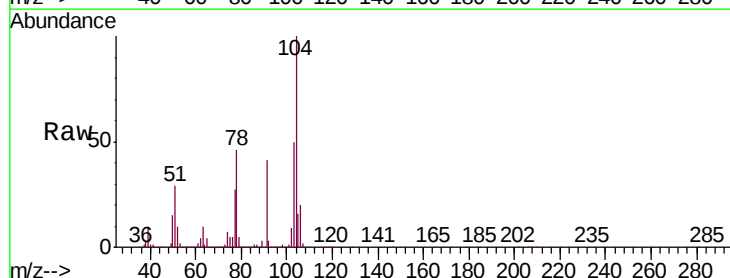
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

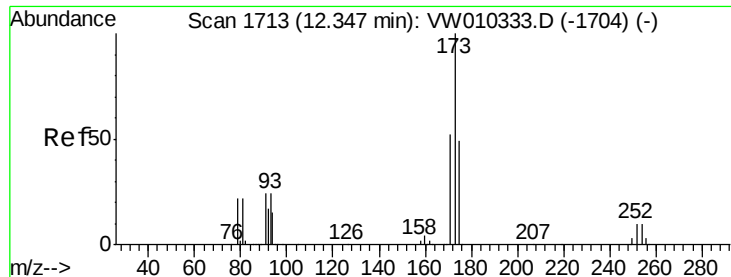
Tgt Ion:106 Resp: 1454523
Ion Ratio Lower Upper
106 100
91 217.7 110.5 331.4



#70
Styrene
Concen: 60.393 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion:104 Resp: 2561321
Ion Ratio Lower Upper
104 100
78 51.5 42.5 63.7
103 54.8 43.6 65.4





#71

Bromoform

Concen: 49.924 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

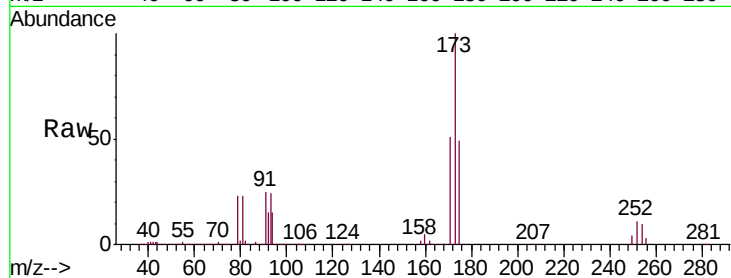
Tgt Ion:173 Resp: 379716

Ion Ratio Lower Upper

173 100

175 48.5 23.8 71.4

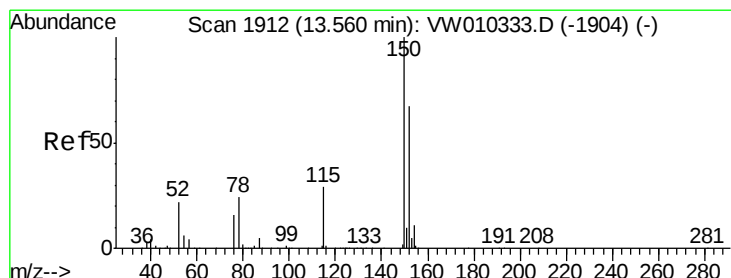
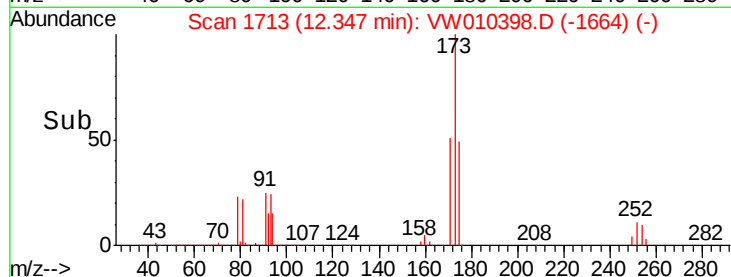
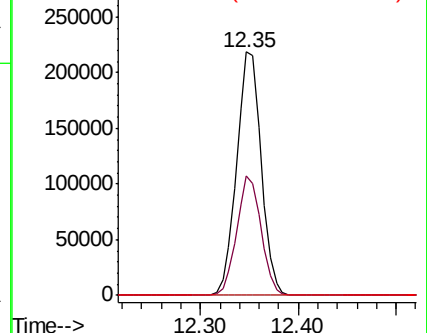
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

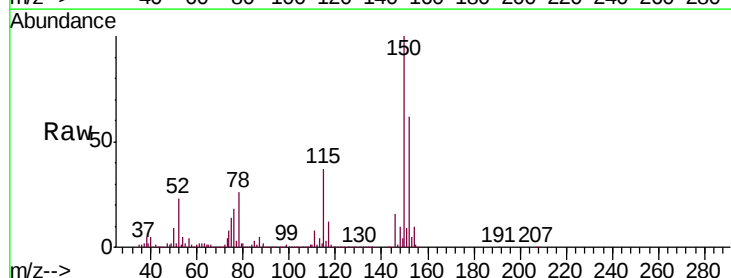
Tgt Ion:152 Resp: 959792

Ion Ratio Lower Upper

152 100

115 59.2 30.4 91.2

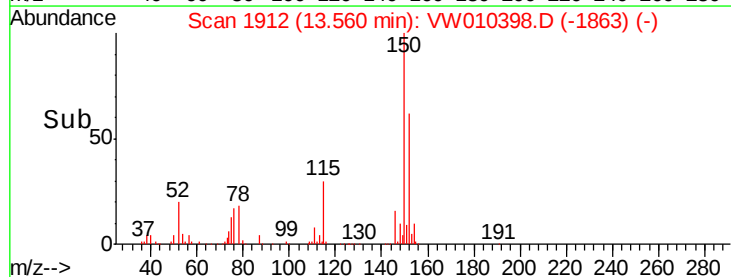
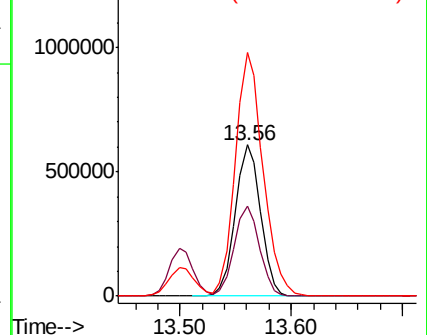
150 175.7 0.0 347.0

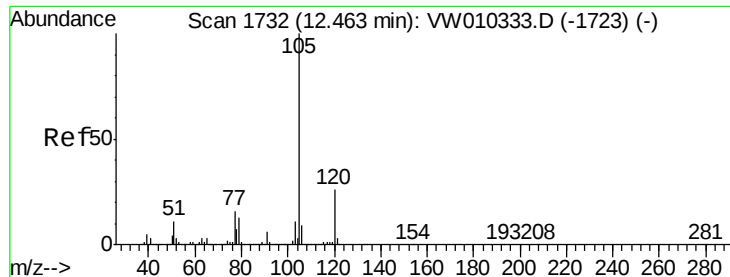


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.827 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

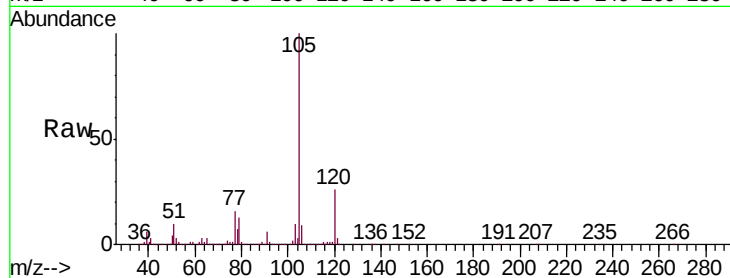
VSTDCCC050

Tgt Ion: 105 Resp: 4115509

Ion Ratio Lower Upper

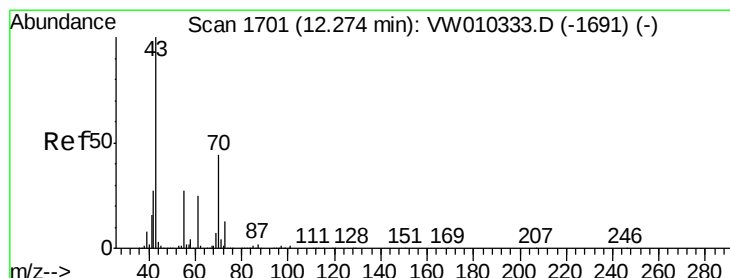
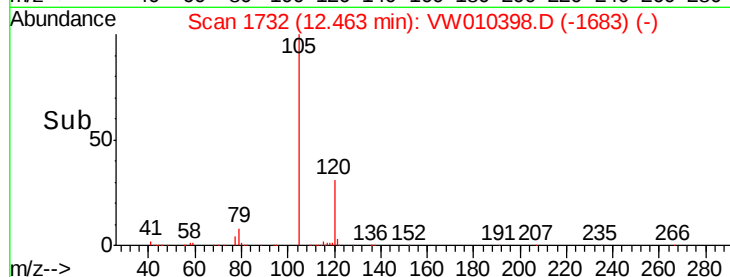
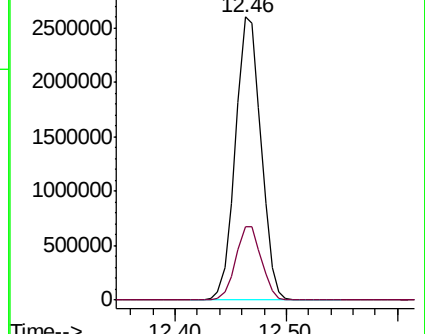
105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.677 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Tgt Ion: 43 Resp: 897853

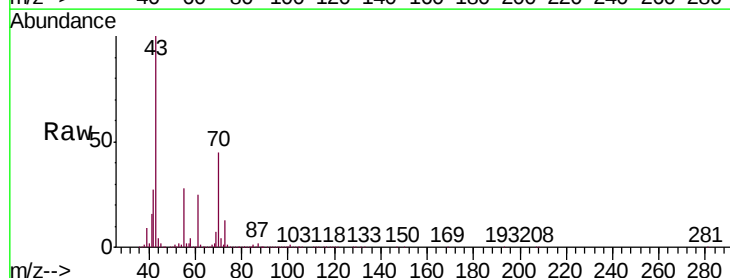
Ion Ratio Lower Upper

43 100

70 43.4 31.3 46.9

55 28.0 20.0 30.0

61 24.5 17.8 26.8

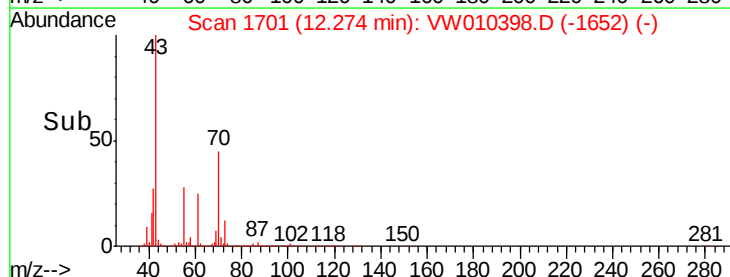
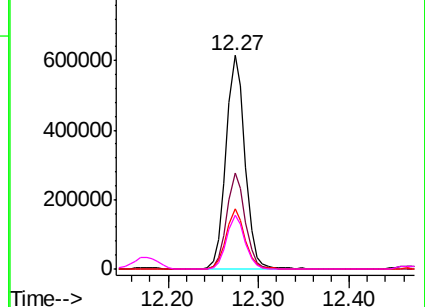


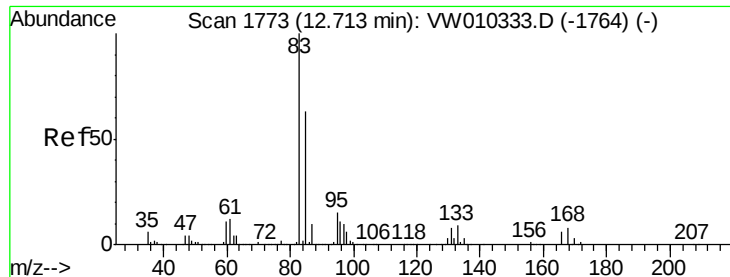
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 45.935 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

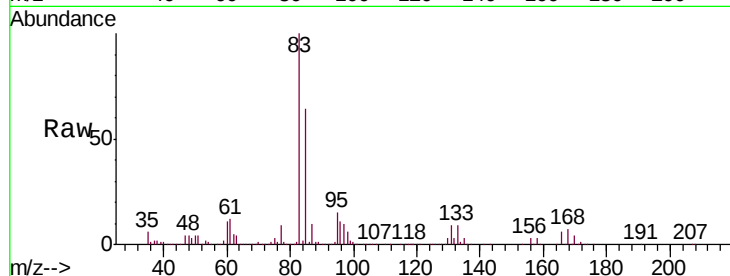
Tgt Ion: 83 Resp: 708071

Ion Ratio Lower Upper

83 100

131 9.7 5.3 15.8

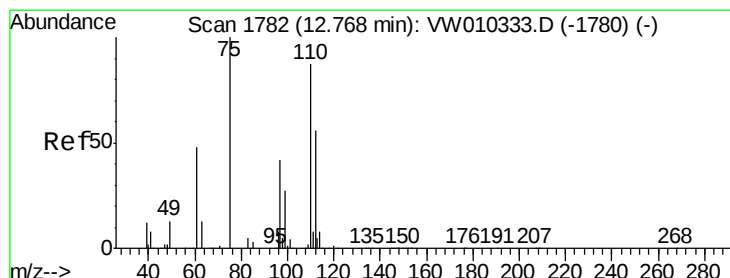
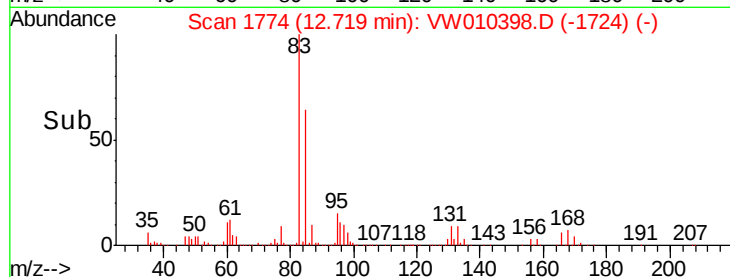
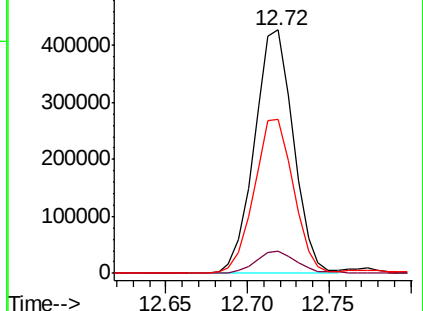
85 64.0 32.0 96.2



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: 82.252 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010398.D

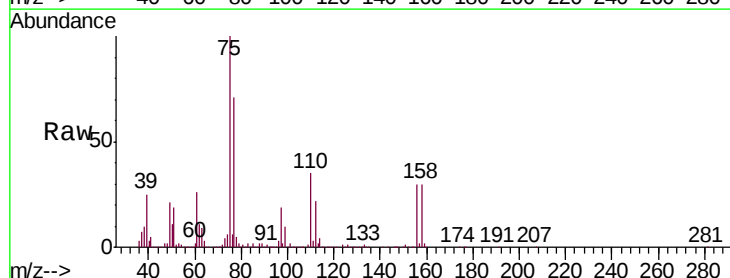
Acq: 12 May 2019 10:04

Tgt Ion: 75 Resp: 920432

Ion Ratio Lower Upper

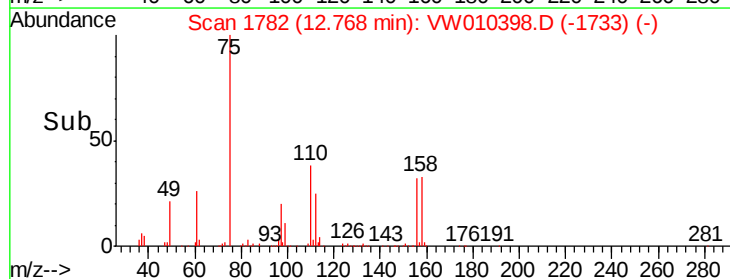
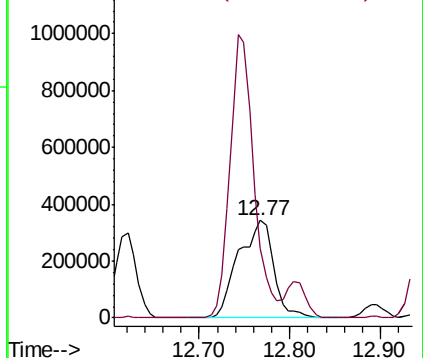
75 100

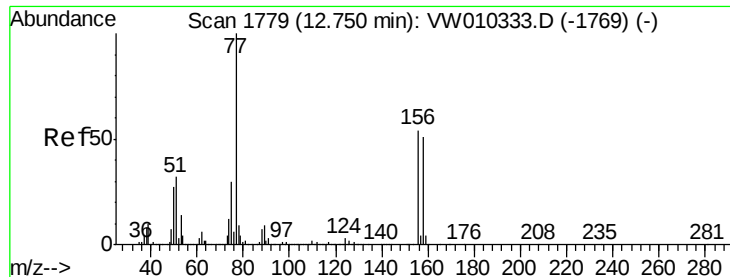
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

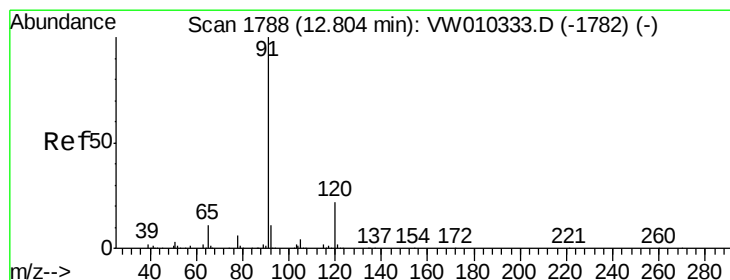
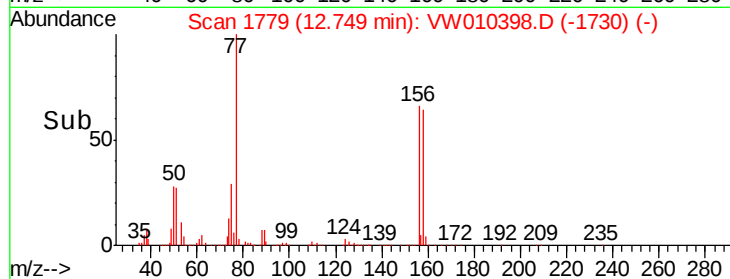
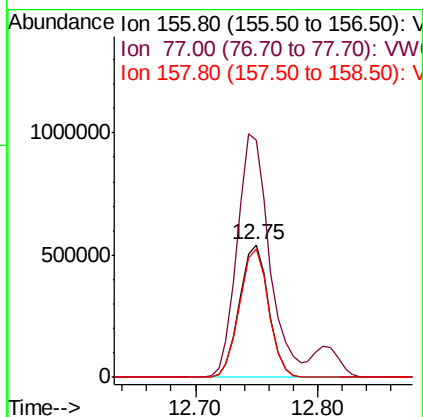
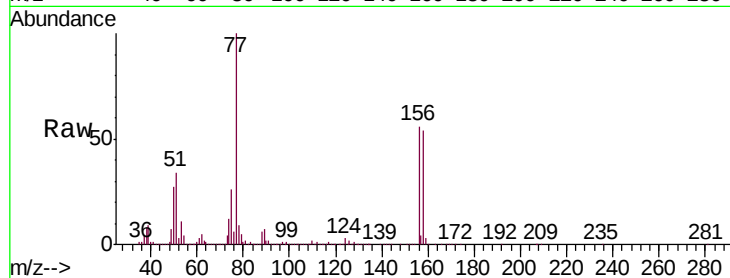




#77
Bromobenzene
Concen: 56.382 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

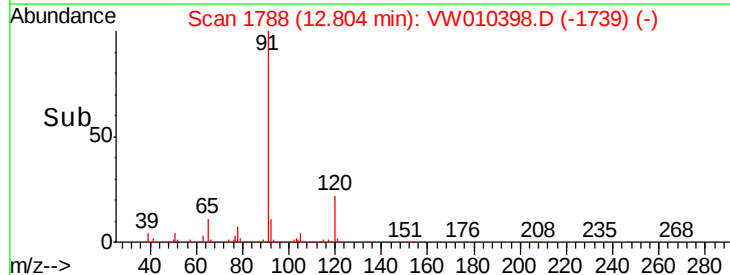
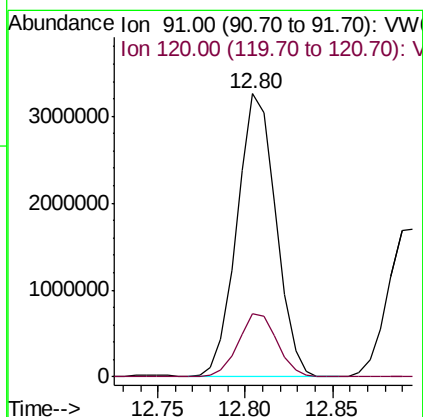
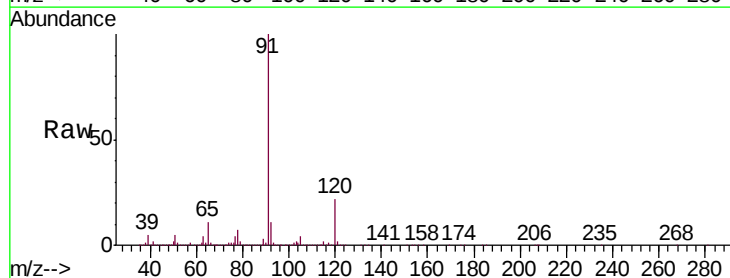
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

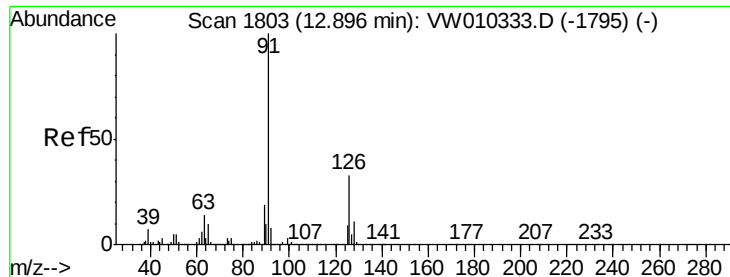
Tgt Ion: 156 Resp: 890630
Ion Ratio Lower Upper
156 100
77 203.8 102.5 307.4
158 97.2 48.8 146.4



#78
n-propylbenzene
Concen: 58.423 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 91 Resp: 5048076
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.1





#79

2-Chlorotoluene

Concen: 57.505 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

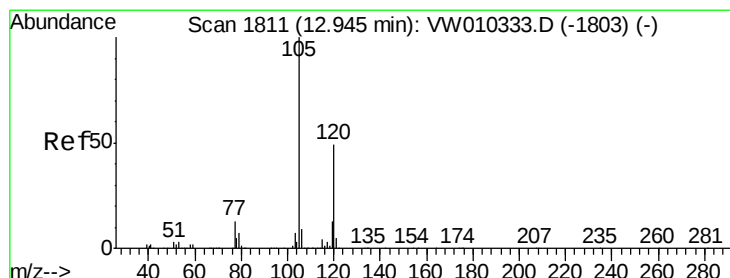
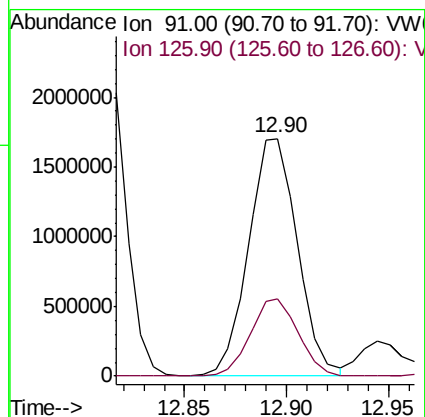
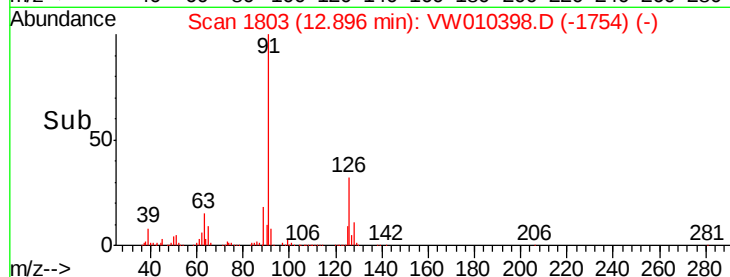
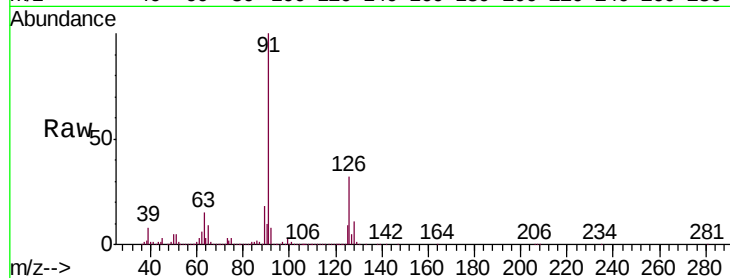
VSTDCCC050

Tgt Ion: 91 Resp: 2829608

Ion Ratio Lower Upper

91 100

126 32.1 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 59.358 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010398.D

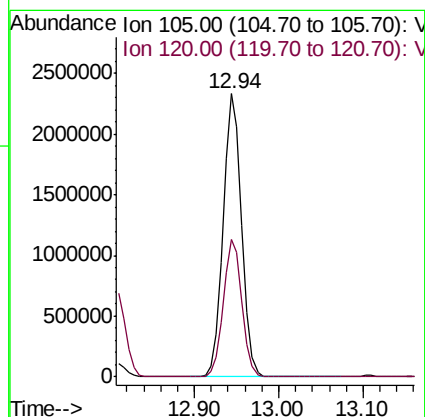
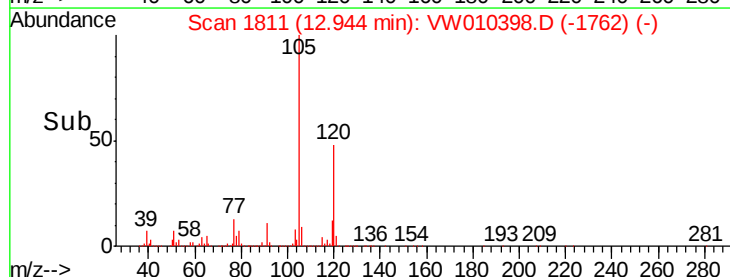
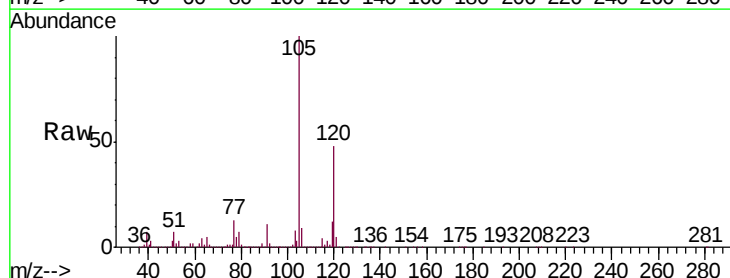
Acq: 12 May 2019 10:04

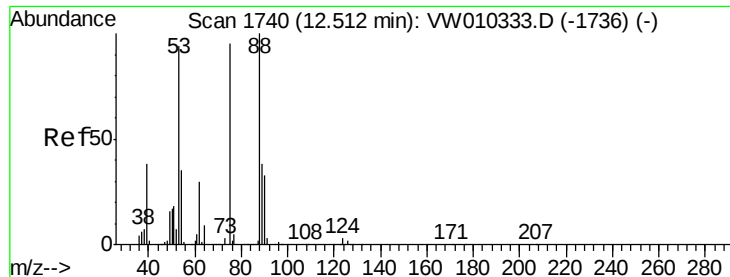
Tgt Ion: 105 Resp: 3500875

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.029 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

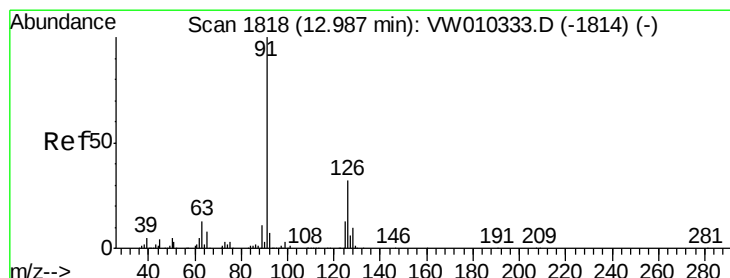
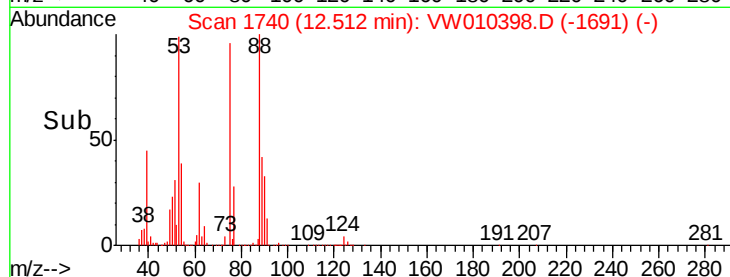
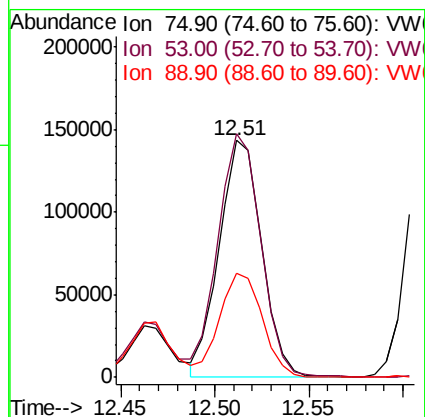
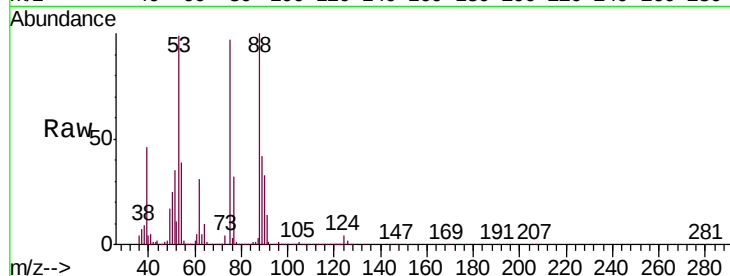
Tgt Ion: 75 Resp: 223130

Ion Ratio Lower Upper

75 100

53 105.6 89.8 134.8

89 44.5 36.6 54.8



#82

4-Chlorotoluene

Concen: 57.547 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010398.D

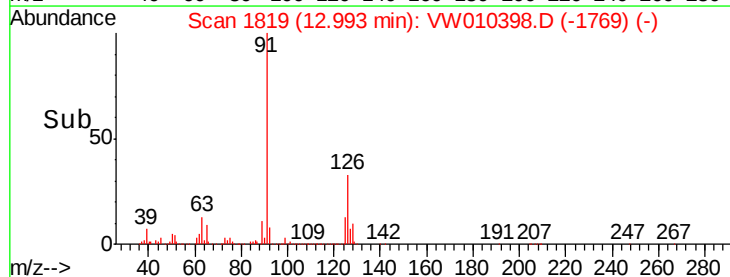
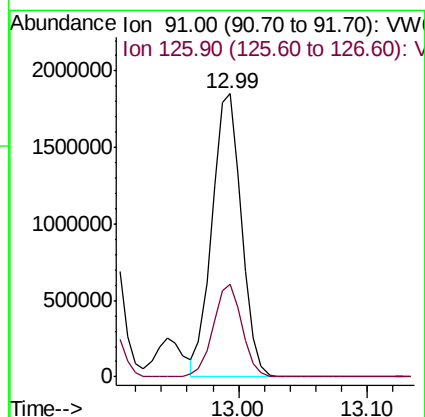
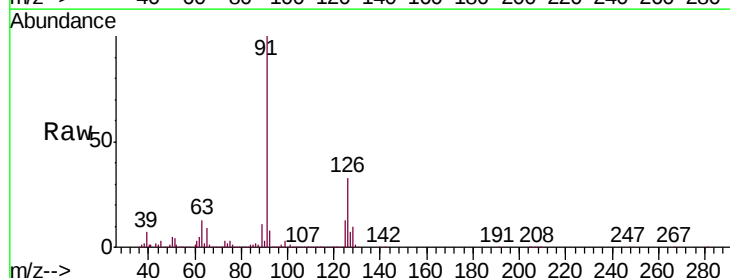
Acq: 12 May 2019 10:04

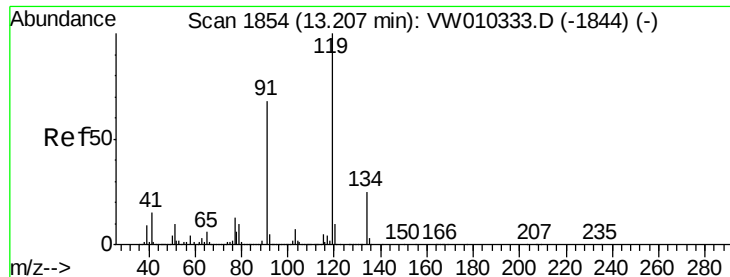
Tgt Ion: 91 Resp: 2966963

Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.1

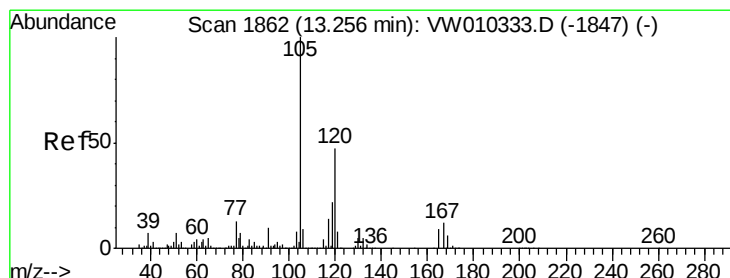
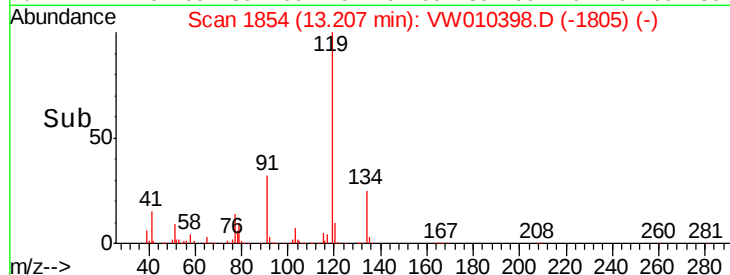
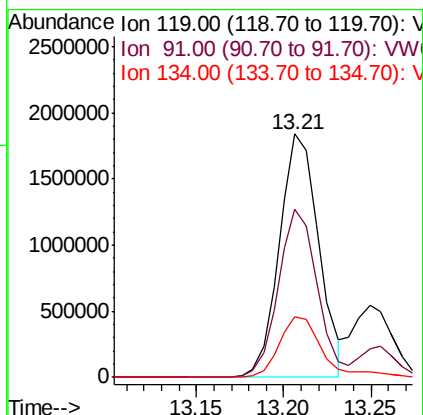
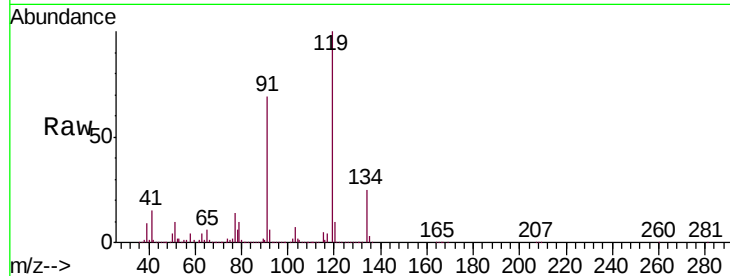




#83
 tert-Butylbenzene
 Concen: 58.774 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

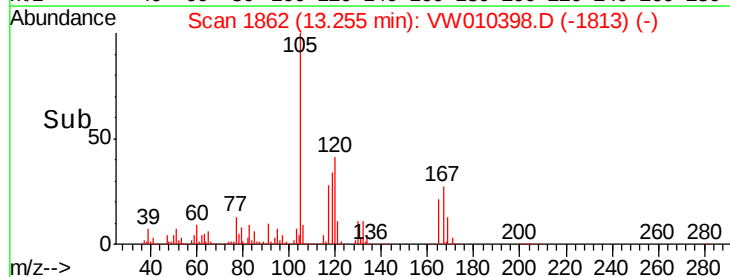
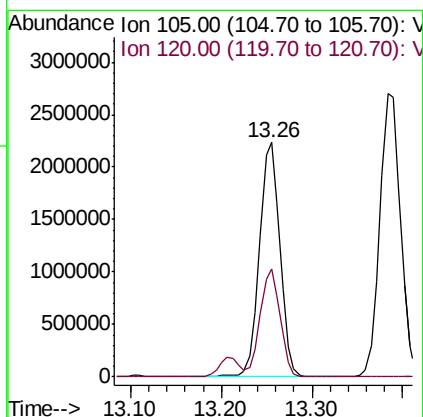
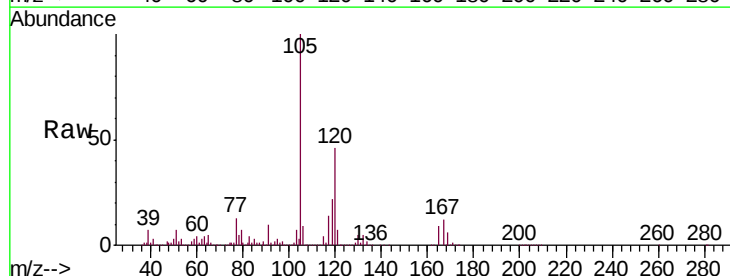
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

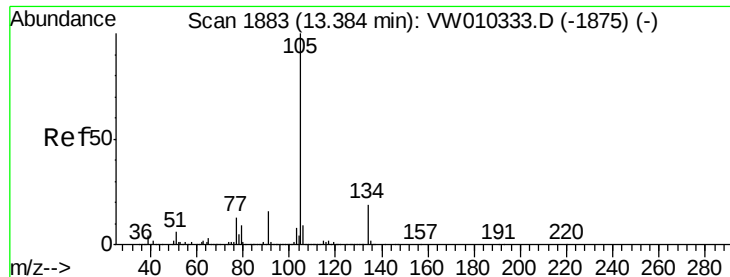
Tgt Ion:119 Resp: 2891306
 Ion Ratio Lower Upper
 119 100
 91 68.6 34.8 104.4
 134 27.3 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 59.431 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion:105 Resp: 3483164
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.7

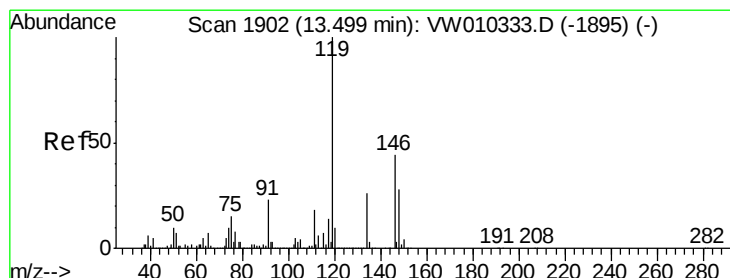
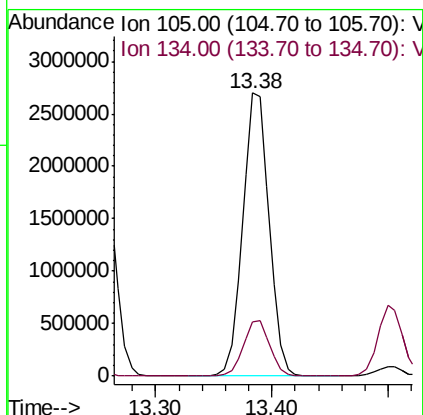
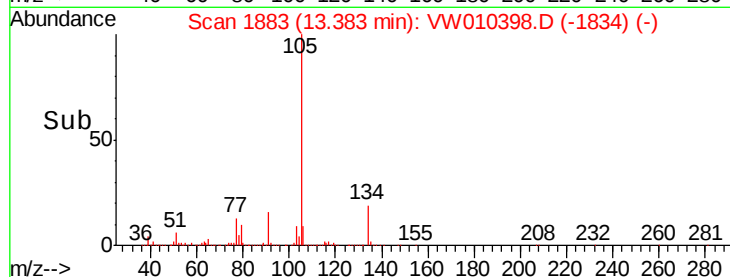
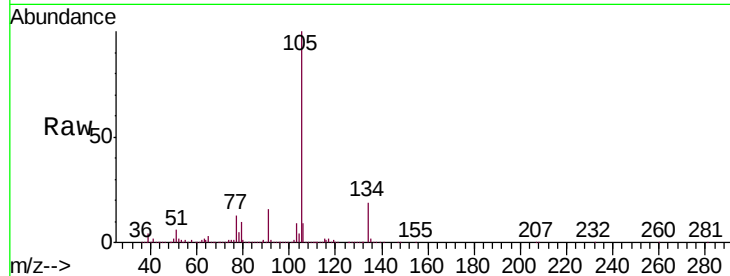




#85
 sec-Butylbenzene
 Concen: 58.563 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

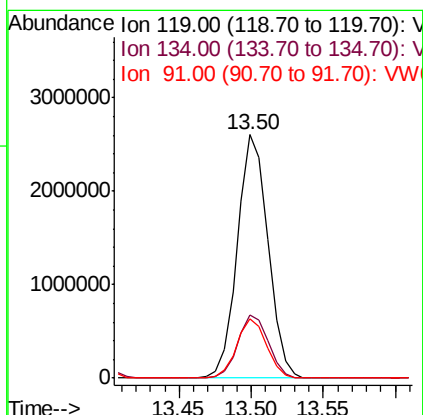
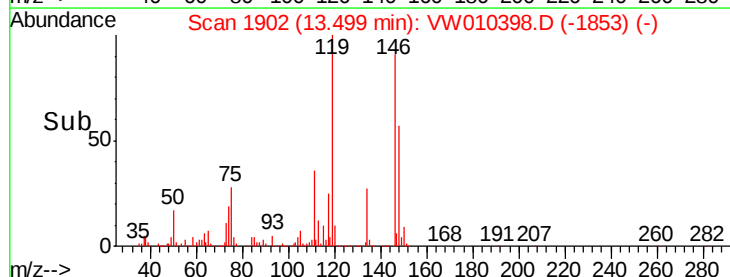
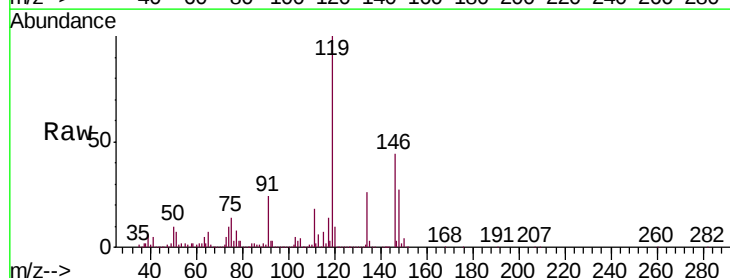
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

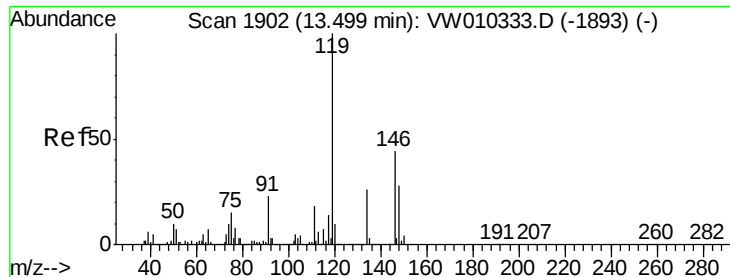
Tgt Ion:105 Resp: 4252959
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 59.526 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion:119 Resp: 3838222
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 23.8 12.3 36.9

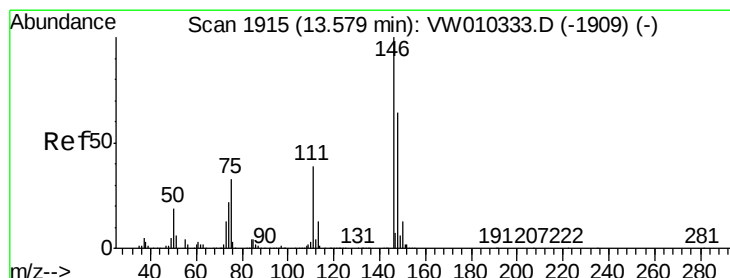
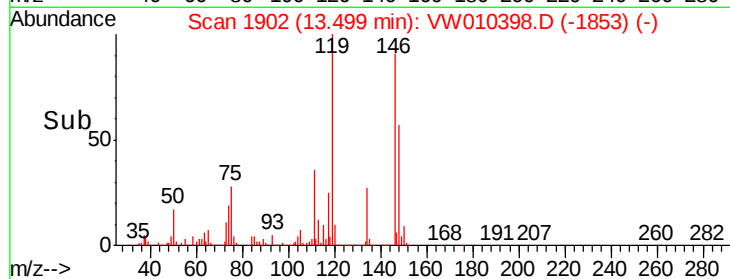
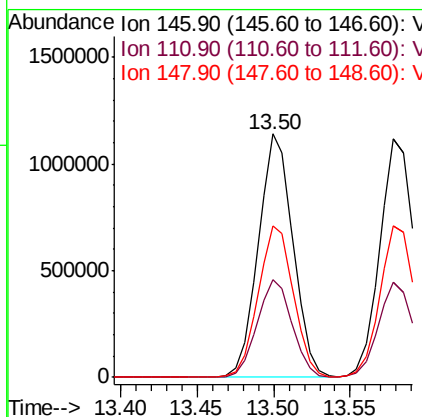
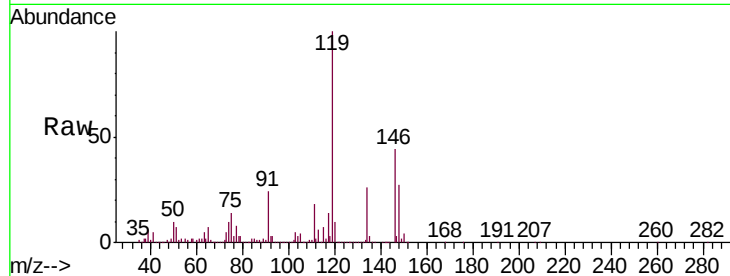




#87
 1,3-Dichlorobenzene
 Concen: 57.072 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

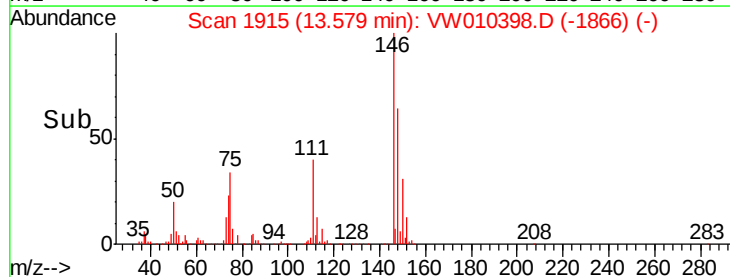
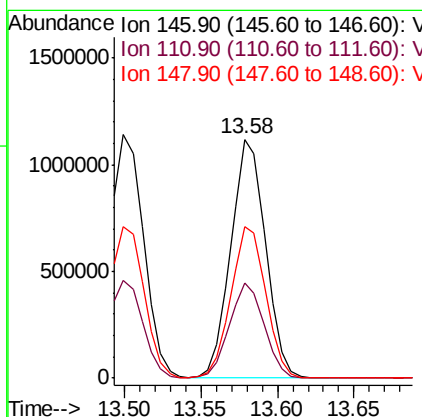
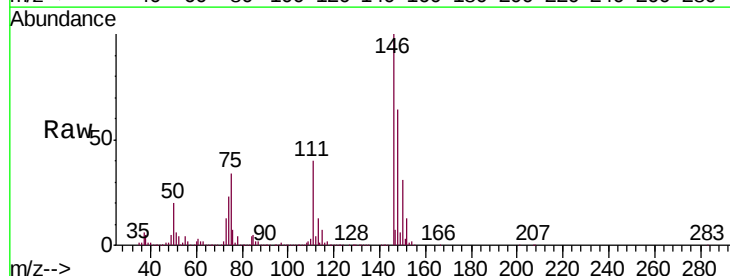
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

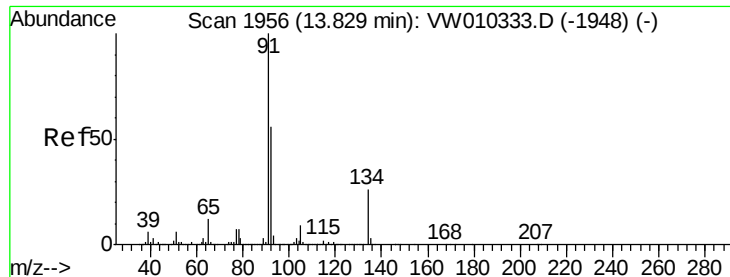
Tgt Ion:146 Resp: 1800230
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.3 61.0
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 56.162 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion:146 Resp: 1758027
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.1 60.3
 148 64.0 31.8 95.3

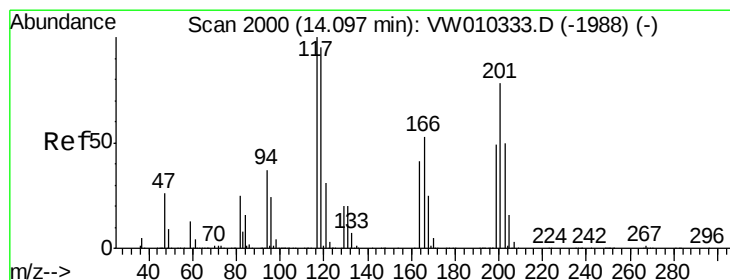
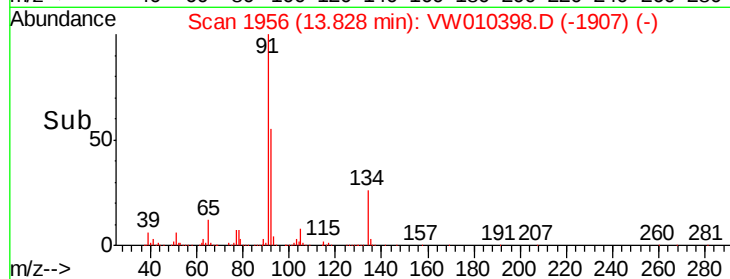
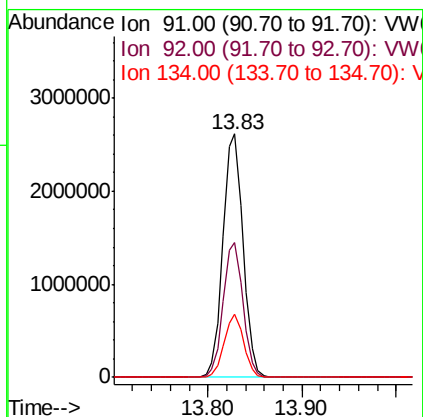
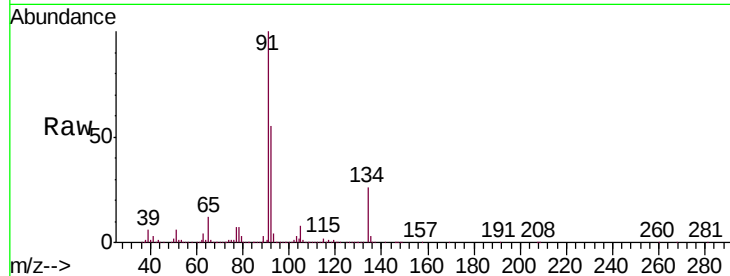




#89
n-Butylbenzene
Concen: 59.667 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

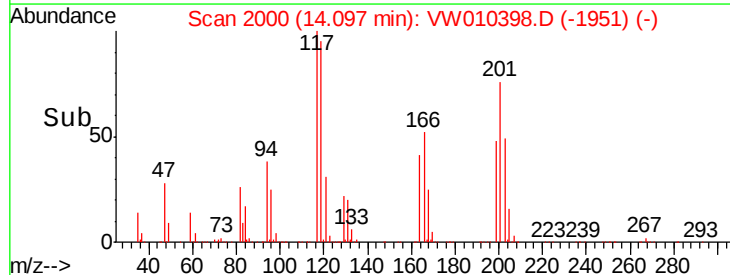
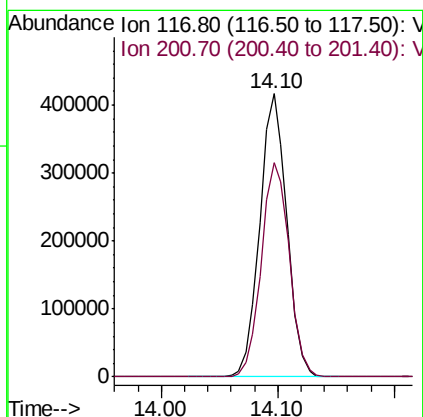
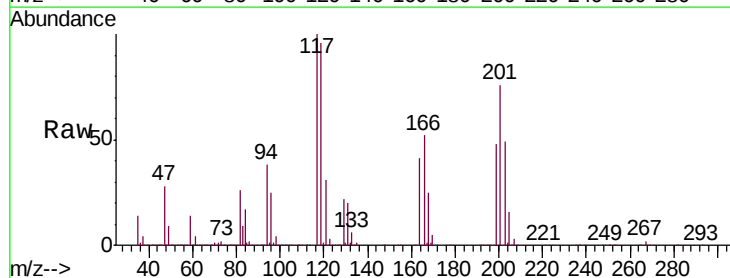
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

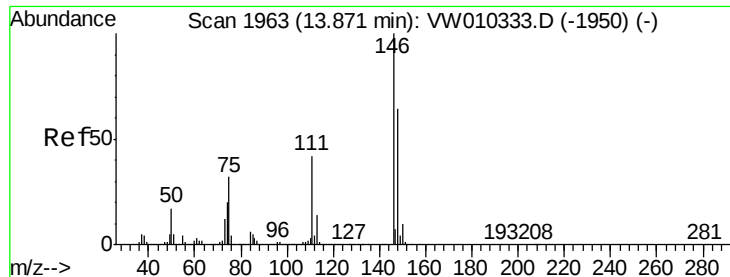
Tgt Ion: 91 Resp: 3857634
Ion Ratio Lower Upper
91 100
92 54.9 26.5 79.4
134 25.1 12.4 37.0



#90
Hexachloroethane
Concen: 56.443 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 117 Resp: 675021
Ion Ratio Lower Upper
117 100
201 77.9 36.1 108.3

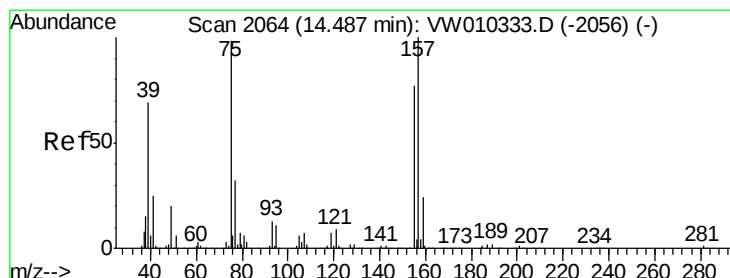
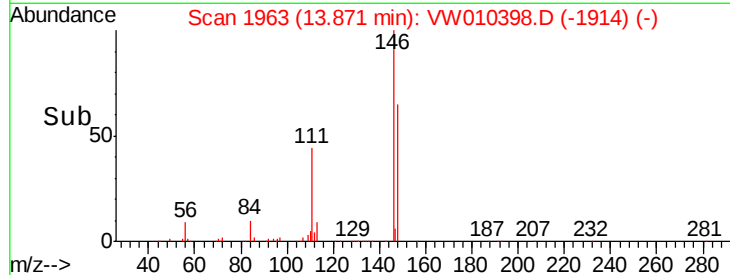
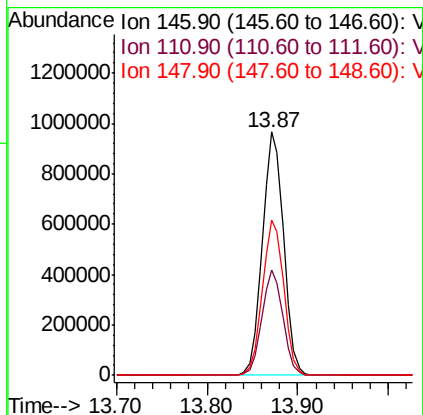
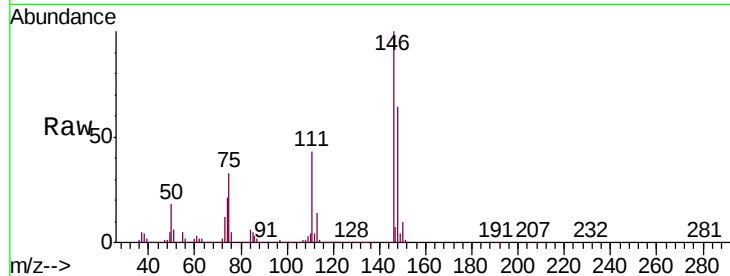




#91
 1,2-Dichlorobenzene
 Concen: 55.712 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

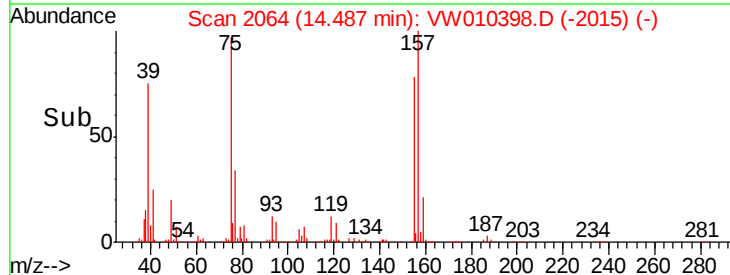
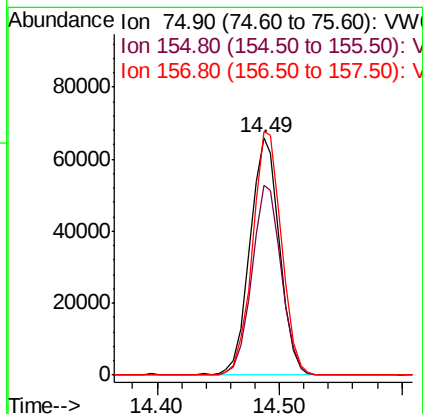
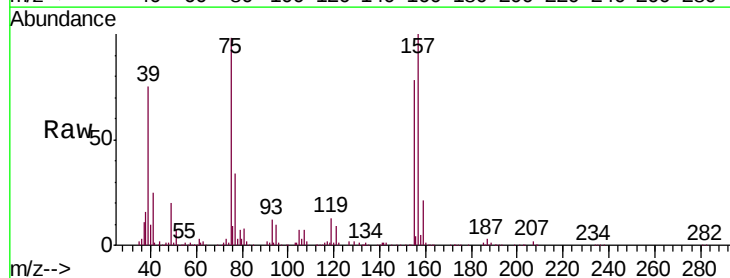
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

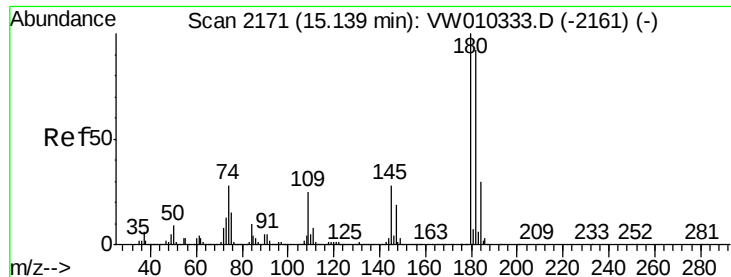
Tgt Ion: 146 Resp: 1555610
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.9 62.8
 148 64.3 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.060 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion: 75 Resp: 111198
 Ion Ratio Lower Upper
 75 100
 155 78.9 37.1 111.5
 157 100.6 47.3 141.9

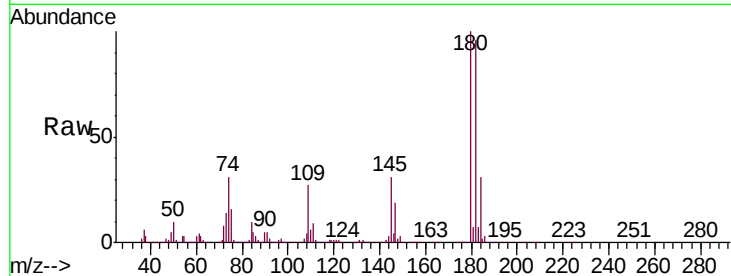




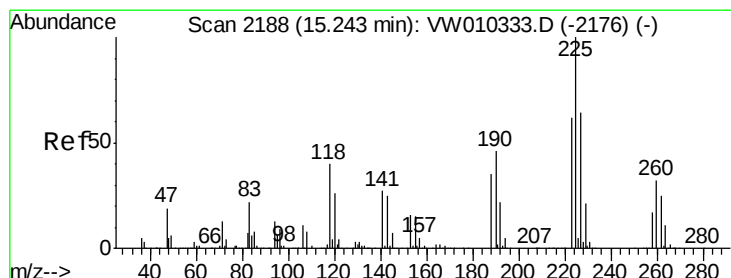
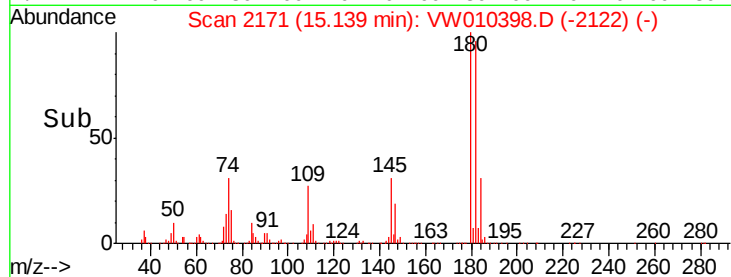
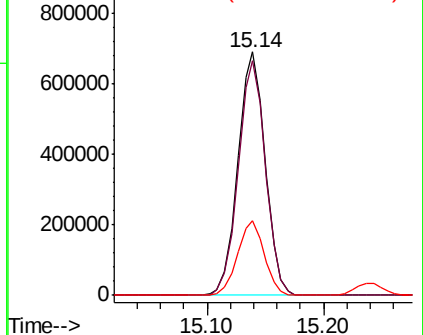
#93
 1,2,4-Trichlorobenzene
 Concen: 59.110 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 1126438
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.1 141.4
 145 30.3 15.2 45.6

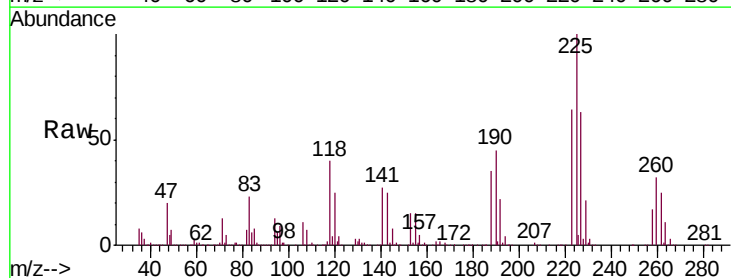


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

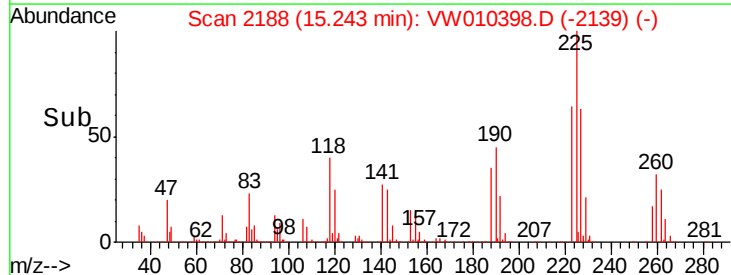
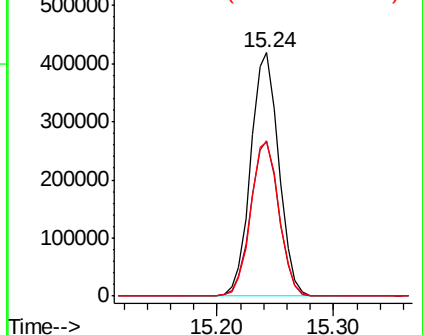


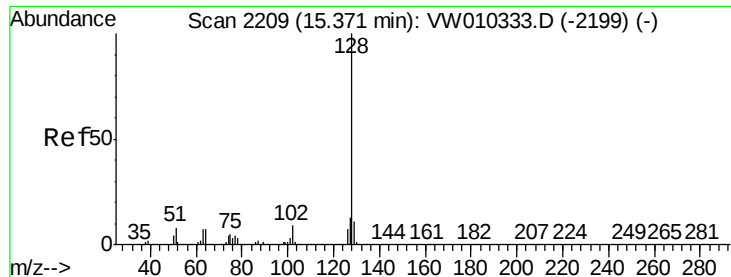
#94
 Hexachlorobutadiene
 Concen: 57.727 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion:225 Resp: 705236
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.9 95.5
 227 64.1 31.8 95.3



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

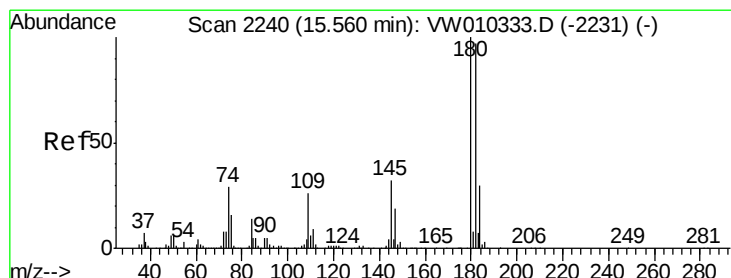
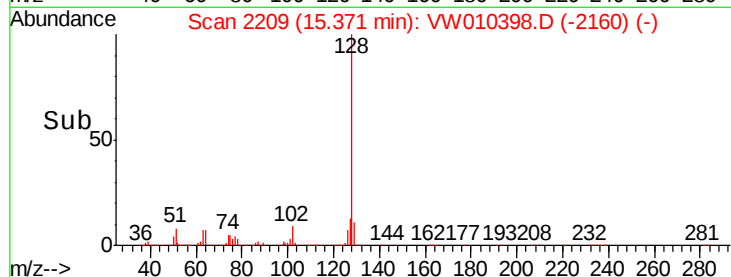
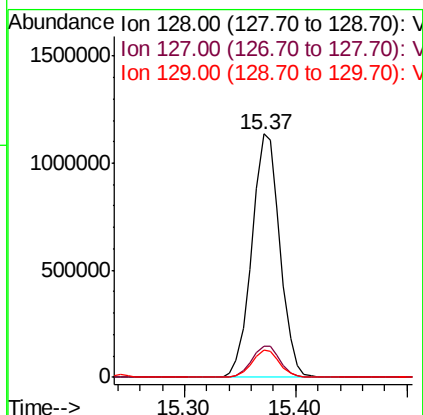
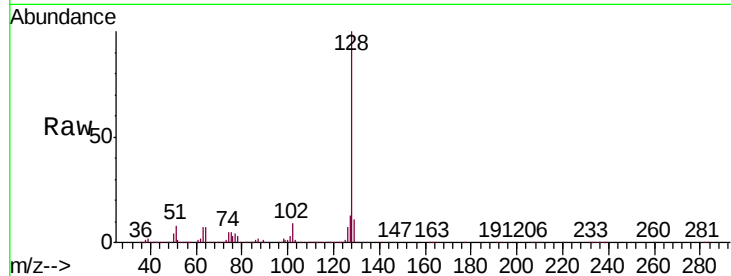




#95
Naphthalene
Concen: 45.994 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1988851
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 57.212 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion:180 Resp: 984954
Ion Ratio Lower Upper
180 100
182 95.6 47.8 143.3
145 31.7 16.4 49.2

