

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008039.D
 Acq On : 04 Jan 2019 11:06
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 05 00:34:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	78874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	125250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	49879	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	43995	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	7.88	113	39399	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.32	98	152808	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.62	95	52460	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	34617	47.826	ug/l	93
3) Chloromethane	2.21	50	25938	48.305	ug/l	98
4) Vinyl Chloride	2.37	62	35098	50.610	ug/l	100
5) Bromomethane	2.78	94	20481	46.484	ug/l	95
6) Chloroethane	2.93	64	17605	49.667	ug/l	99
7) Trichlorofluoromethane	3.26	101	33252	47.766	ug/l	97
8) Diethyl Ether	3.68	74	16856	47.142	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40482	48.933	ug/l	100
10) Methyl Iodide	4.26	142	63098	47.408	ug/l	99
11) Tert butyl alcohol	5.18	59	11091	195.687	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	38902	49.126	ug/l	97
13) Acrolein	3.89	56	8771	228.402	ug/l	96
14) Allyl chloride	4.67	41	53280	49.664	ug/l	99
15) Acrylonitrile	5.36	53	31296	237.972	ug/l	99
16) Acetone	4.12	43	34767	257.452	ug/l	99
17) Carbon Disulfide	4.37	76	118496	48.987	ug/l	98
18) Methyl Acetate	4.67	43	17488	49.935	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	56590	45.409	ug/l	100
20) Methylene Chloride	4.90	84	38314	45.806	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	41330	47.970	ug/l	96
22) Diisopropyl ether	6.31	45	93561	48.588	ug/l	97
23) Vinyl Acetate	6.25	43	261899	243.090	ug/l	98
24) 1,1-Dichloroethane	6.21	63	68633	47.971	ug/l	97
25) 2-Butanone	7.17	43	39821	250.274	ug/l	99
26) 2,2-Dichloropropane	7.16	77	54103	45.898	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	42831	46.669	ug/l	100
28) Bromochloromethane	7.51	49	23171	50.388	ug/l	99
29) Tetrahydrofuran	7.53	42	23189	234.633	ug/l	99
30) Chloroform	7.67	83	75775	47.257	ug/l	100
31) Cyclohexane	7.95	56	62414	46.804	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	73076	47.627	ug/l	100
36) 1,1-Dichloropropene	8.08	75	60457	48.932	ug/l	100
37) Ethyl Acetate	7.25	43	17335	46.709	ug/l	97
38) Carbon Tetrachloride	8.07	117	71358	48.192	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76433	49.629	ug/l	100
40) Benzene	8.32	78	157992	48.472	ug/l	100
41) Methacrylonitrile	7.48	41	10762	49.320	ug/l	96
42) 1,2-Dichloroethane	8.40	62	50295	46.312	ug/l	98
43) Isopropyl Acetate	8.43	43	37396	50.430	ug/l	98
44) Trichloroethene	9.09	130	46574	48.421	ug/l	97
45) 1,2-Dichloropropane	9.37	63	34638	49.096	ug/l	100
46) Dibromomethane	9.46	93	19504	47.284	ug/l	96
47) Bromodichloromethane	9.64	83	55330	47.891	ug/l	98
48) Methyl methacrylate	9.43	41	19988	53.459	ug/l	91
49) 1,4-Dioxane	9.46	88	5635	923.127	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	82834	241.320	ug/l	98
52) Toluene	10.39	92	106108	49.311	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	53018	47.723	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	60015	48.411	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	26287	47.068	ug/l	97
56) Ethyl methacrylate	10.65	69	31903	50.529	ug/l	96
57) 1,3-Dichloropropane	10.93	76	43213	45.536	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	75584	252.422	ug/l	96
59) 2-Hexanone	10.97	43	60503	255.323	ug/l	100
60) Dibromochloromethane	11.13	129	35582	46.544	ug/l	99
61) 1,2-Dibromoethane	11.24	107	25451	45.538	ug/l	100
64) Tetrachloroethene	10.87	164	36417	50.335	ug/l	97
65) Chlorobenzene	11.66	112	109563	48.945	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	37830	46.667	ug/l	98
67) Ethyl Benzene	11.73	91	194239	48.887	ug/l	93
68) m/p-Xylenes	11.83	106	144259	93.913	ug/l	92
69) o-Xylene	12.17	106	65872	46.086	ug/l	95
70) Styrene	12.18	104	106699	45.800	ug/l	96
71) Bromoform	12.35	173	17483	46.551	ug/l #	95
73) Isopropylbenzene	12.47	105	206913	52.168	ug/l	98
74) N-amyl acetate	12.27	43	27881	45.159	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	26413	52.338	ug/l	93
76) 1,2,3-Trichloropropane	12.75	75	16836	42.428	ug/l	76
77) Bromobenzene	12.75	156	40264	47.230	ug/l	96
78) n-propylbenzene	12.81	91	236411	51.410	ug/l	99
79) 2-Chlorotoluene	12.90	91	132972	50.032	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	163676	47.942	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.52	75	7980	47.558	ug/l	95
82) 4-Chlorotoluene	12.99	91	139087	49.216	ug/l	100
83) tert-Butylbenzene	13.21	119	144247	48.292	ug/l	93
84) 1,2,4-Trimethylbenzene	13.25	105	168386	48.694	ug/l	100
85) sec-Butylbenzene	13.39	105	191930	46.710	ug/l	97
86) p-Isopropyltoluene	13.51	119	179920	48.545	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	86335	50.192	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	77188	45.326	ug/l	96
89) n-Butylbenzene	13.83	91	166193	49.023	ug/l	99
90) Hexachloroethane	14.10	117	31053	48.286	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	71951	47.601	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4873	47.576	ug/l	95

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Response via : Initial Calibration

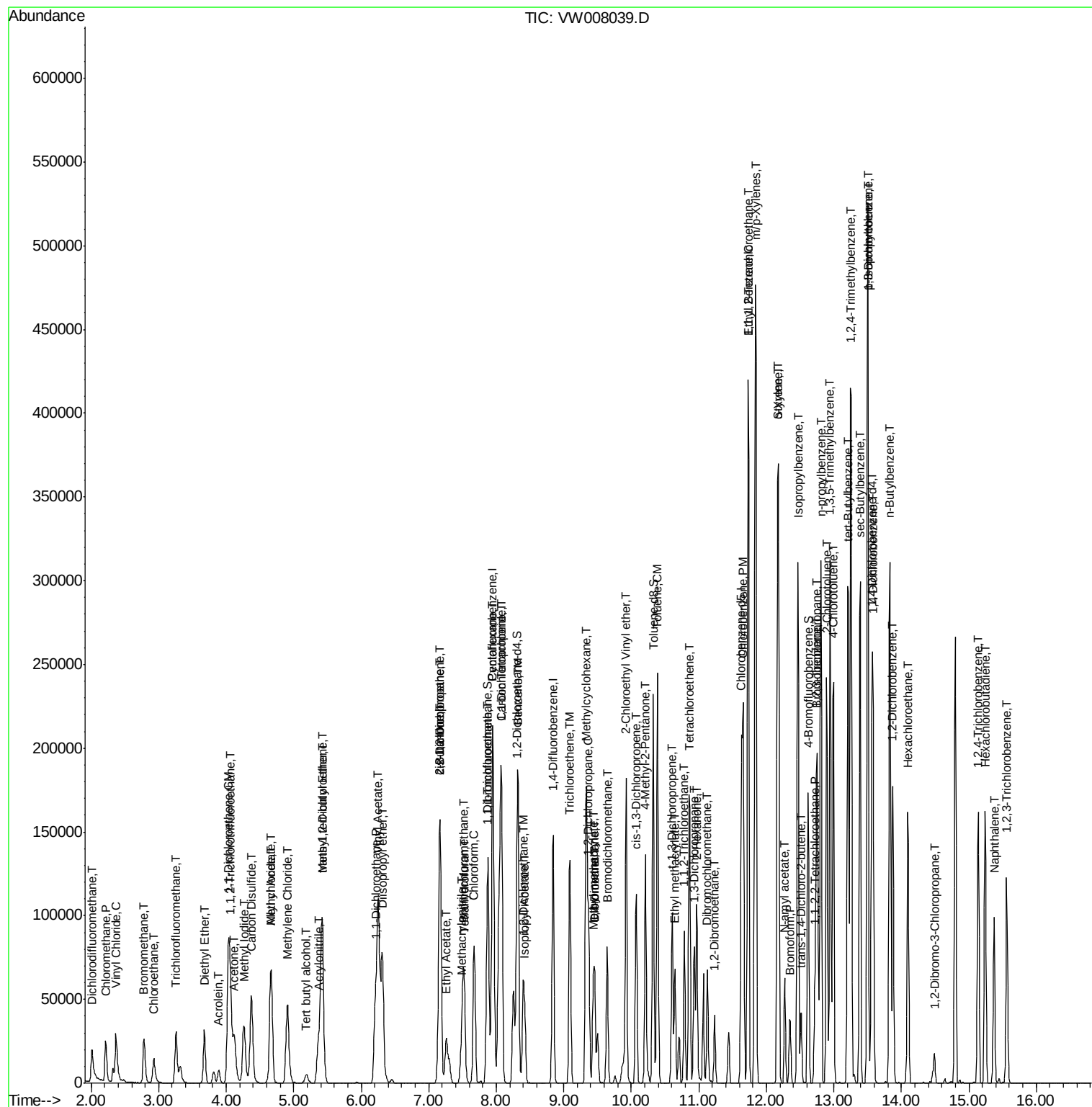
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	46940	44.215	ug/l	95
94) Hexachlorobutadiene	15.24	225	28854	47.072	ug/l	99
95) Naphthalene	15.38	128	85864	47.489	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	41910	47.978	ug/l	95

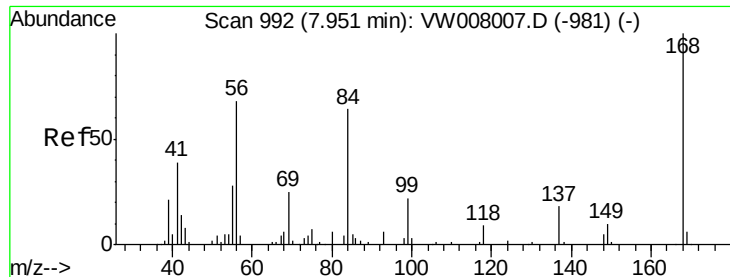
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

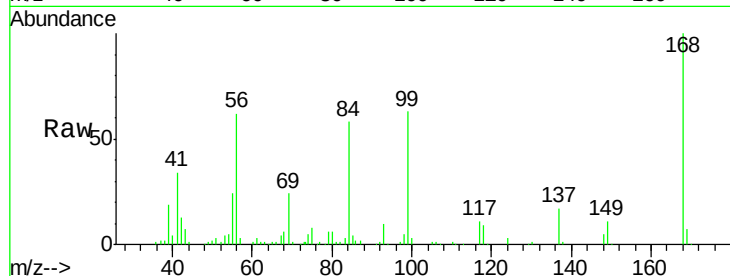
VSTDCCC050

Tot Ion:168 Resp: 78874

Ion Ratio Lower Upper

168 100

99 62.6 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

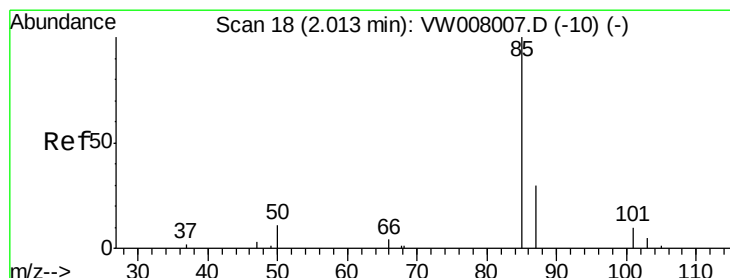
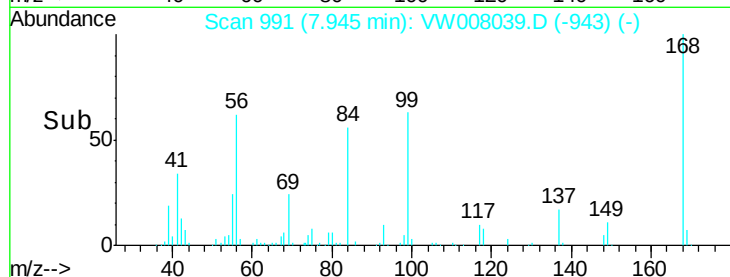
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.826 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008039.D

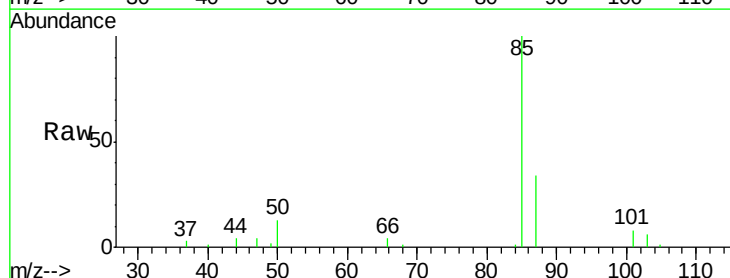
Acq: 04 Jan 2019 11:06

Tgt Ion: 85 Resp: 34617

Ion Ratio Lower Upper

85 100

87 33.6 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

6000

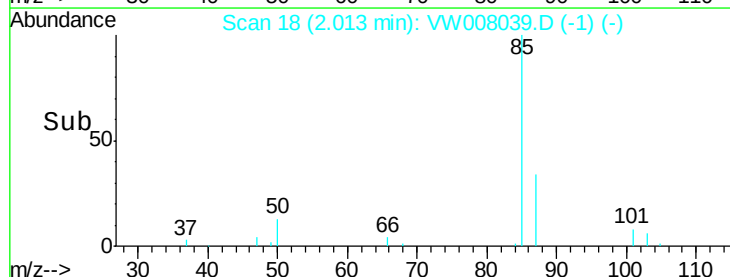
4000

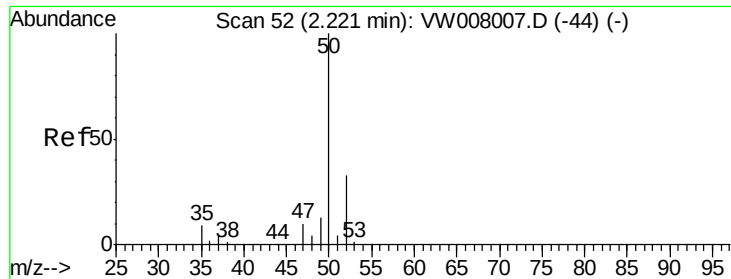
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 48.305 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

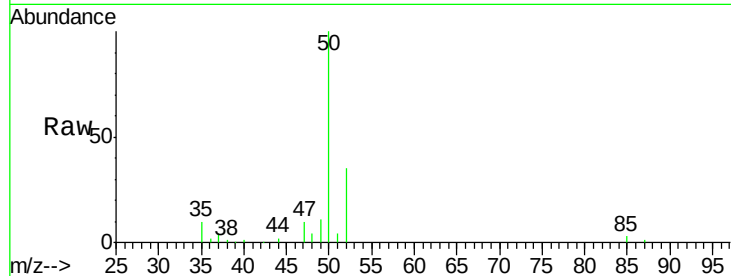
VSTDCCC050

Tot Ion: 50 Resp: 25938

Ion Ratio Lower Upper

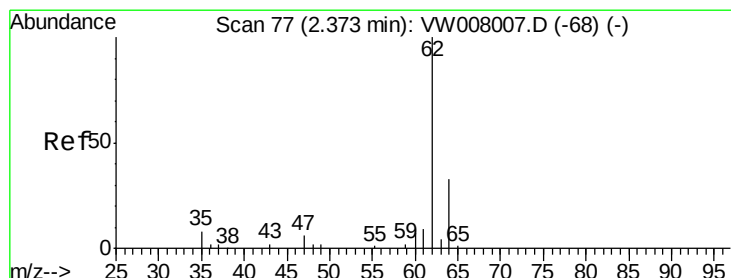
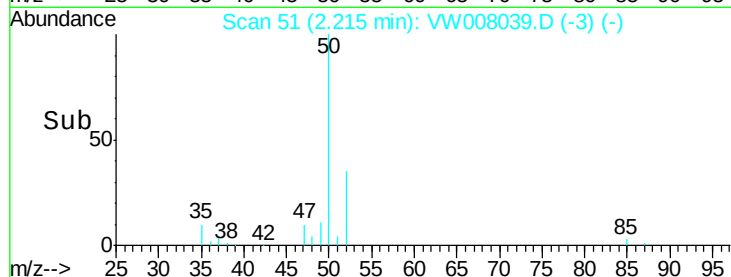
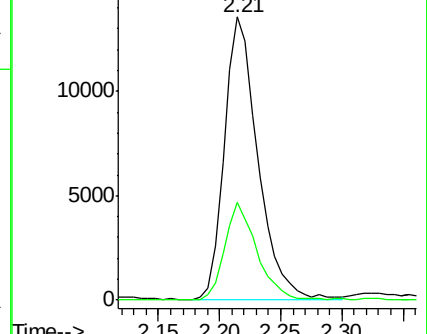
50 100

52 34.6 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 50.610 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008039.D

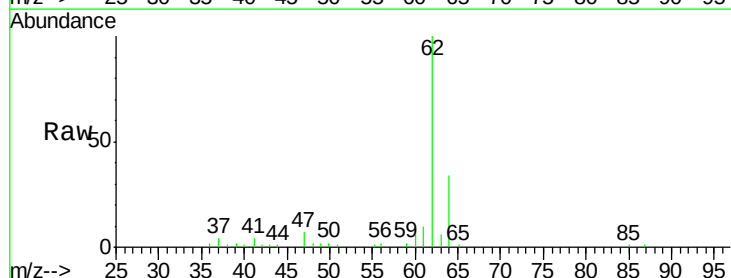
Acq: 04 Jan 2019 11:06

Tgt Ion: 62 Resp: 35098

Ion Ratio Lower Upper

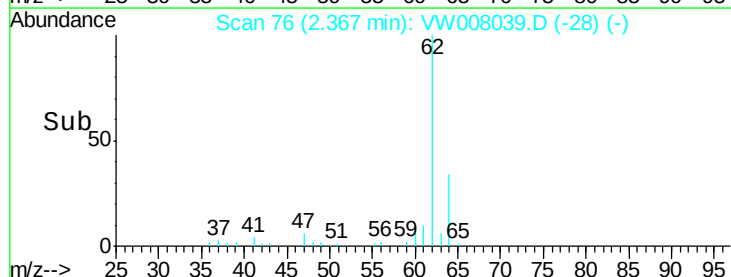
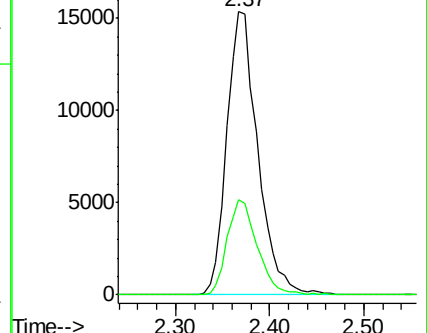
62 100

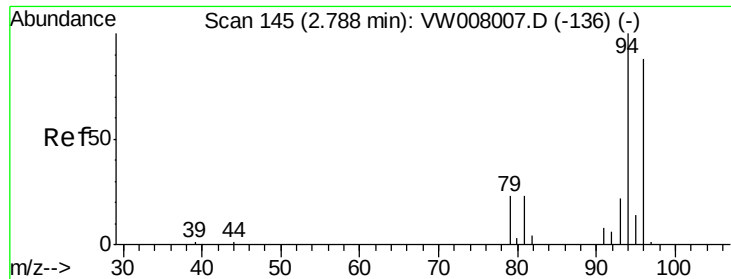
64 33.7 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

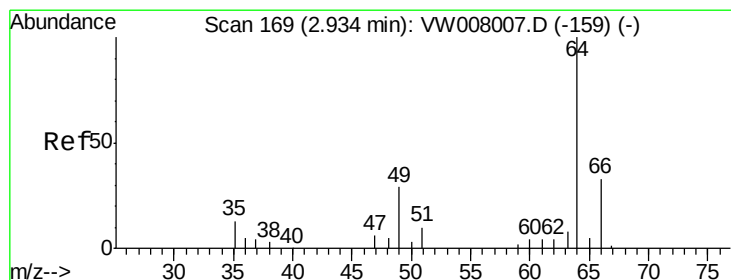
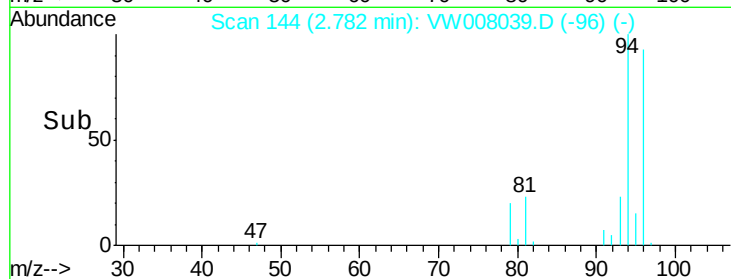
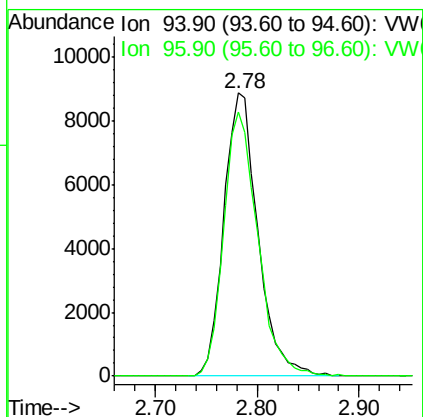
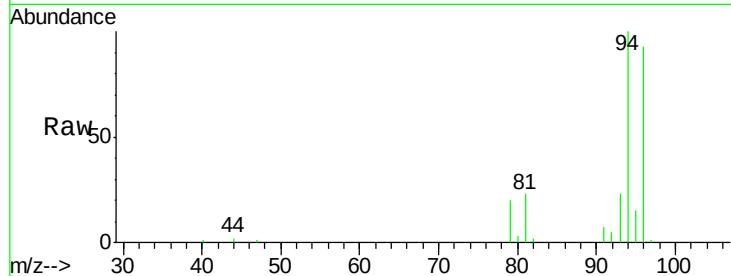




#5
Bromomethane
Concen: 46.484 ug/l
RT: 2.78 min Scan# 144
Delta R.T. -0.01 min
Lab File: VW008039.D
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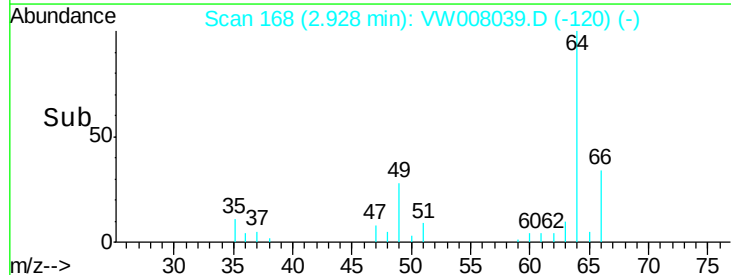
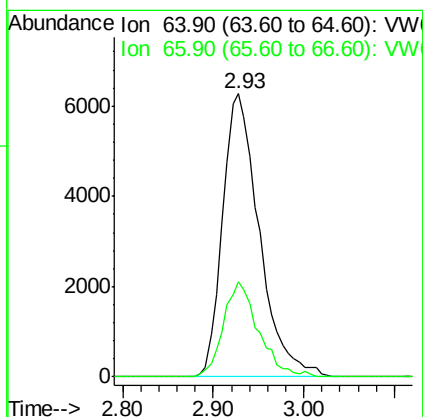
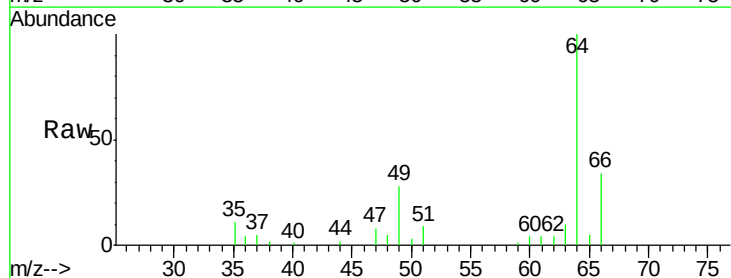
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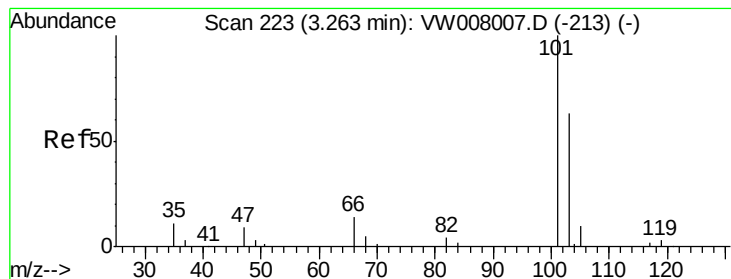
Tot Ion: 94 Resp: 20481
Ion Ratio Lower Upper
94 100
96 93.3 70.7 106.1



#6
Chloroethane
Concen: 49.667 ug/l
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 64 Resp: 17605
Ion Ratio Lower Upper
64 100
66 33.9 26.6 39.8



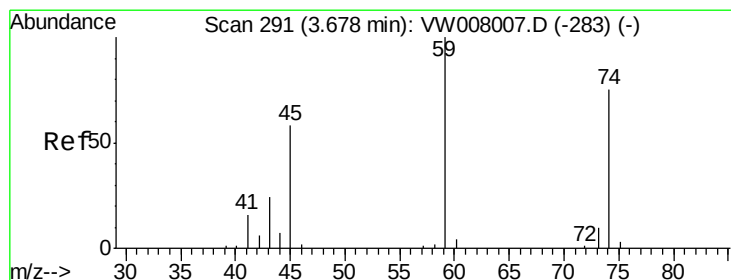
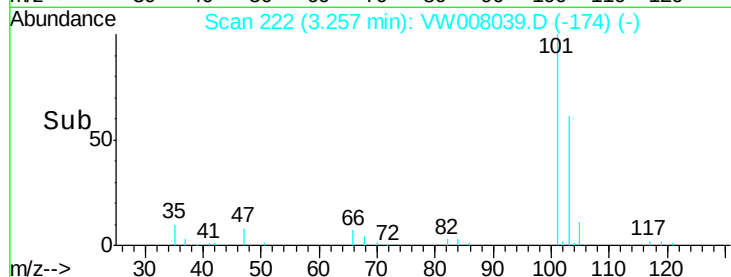
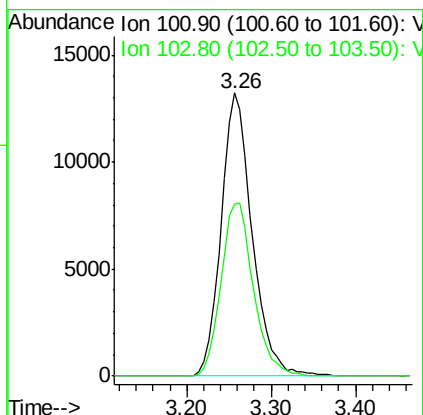
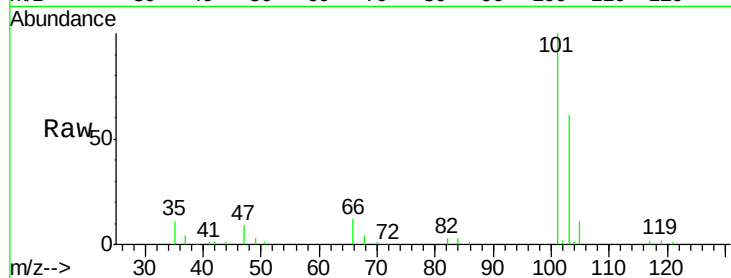


#7

Trichlorofluoromethane
Concen: 47.766 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

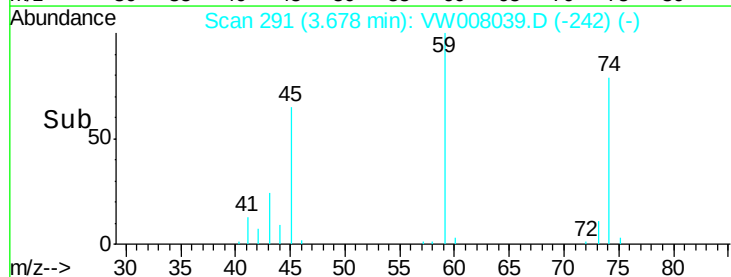
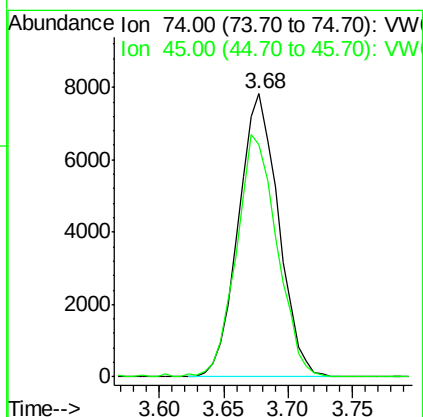
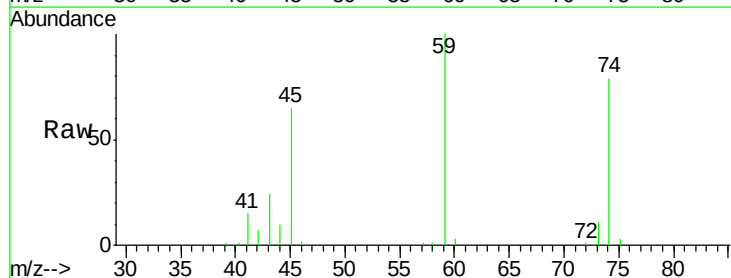
Tot Ion:101 Resp: 33252
Ion Ratio Lower Upper
101 100
103 61.0 50.5 75.7

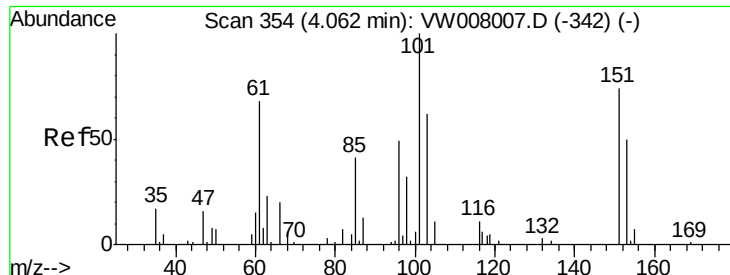


#8

Diethyl Ether
Concen: 47.142 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 74 Resp: 16856
Ion Ratio Lower Upper
74 100
45 87.0 41.4 124.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.933 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

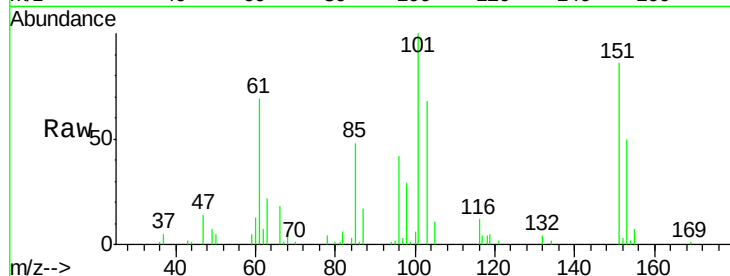
Tot Ion:101 Resp: 40482

Ion Ratio Lower Upper

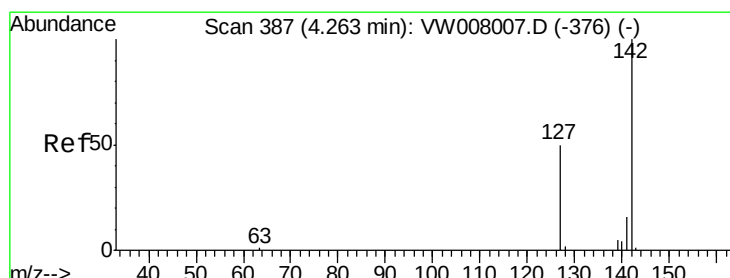
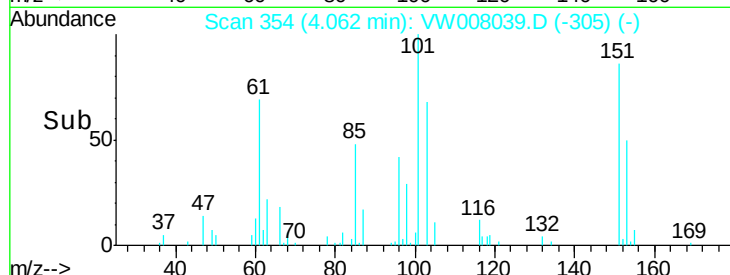
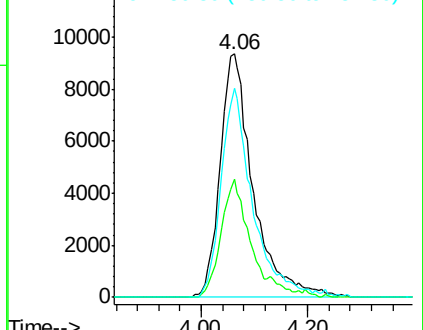
101 100

85 43.5 35.1 52.7

151 81.8 65.3 97.9



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VW
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.408 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

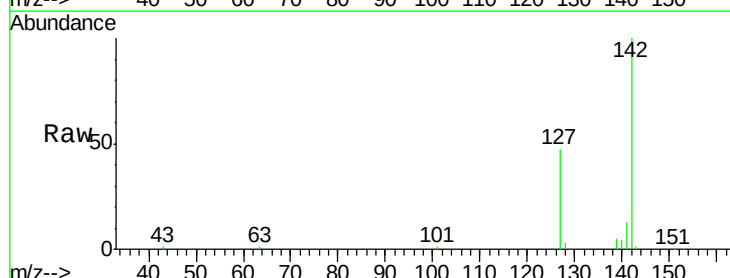
Tgt Ion:142 Resp: 63098

Ion Ratio Lower Upper

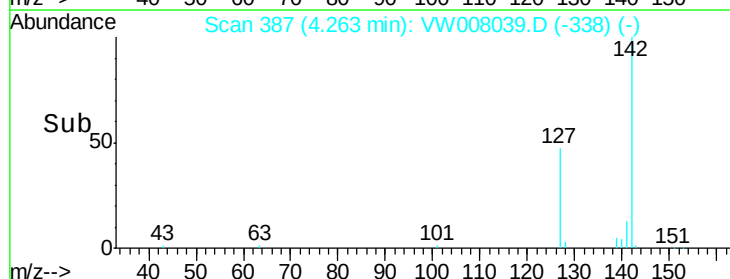
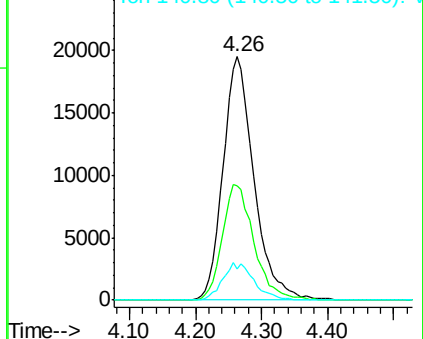
142 100

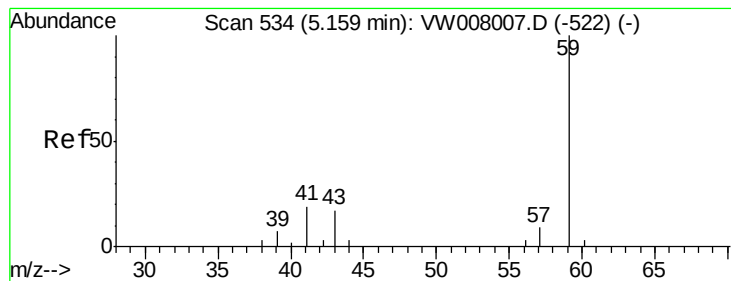
127 48.5 39.4 59.0

141 15.3 12.1 18.1



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



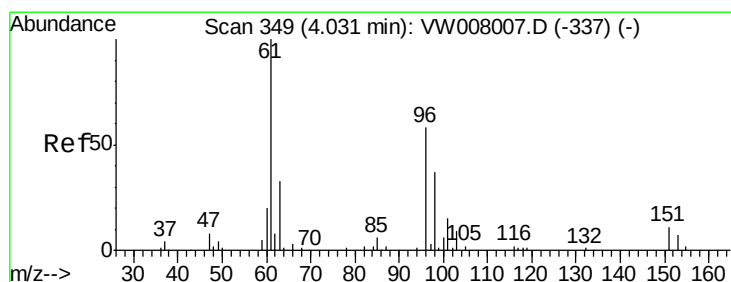
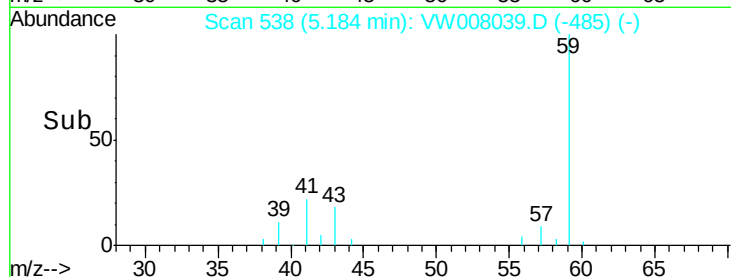
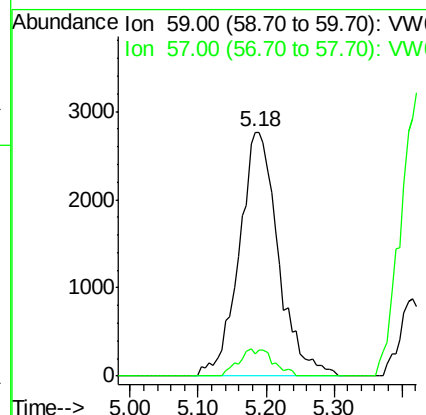
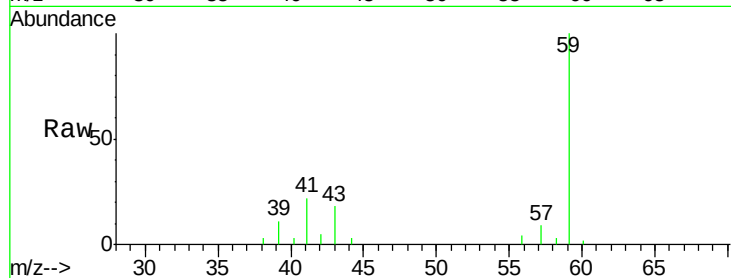


#11

Tert butyl alcohol
 Concen: 195.687 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

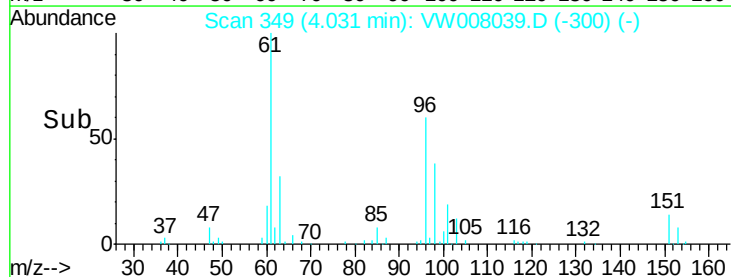
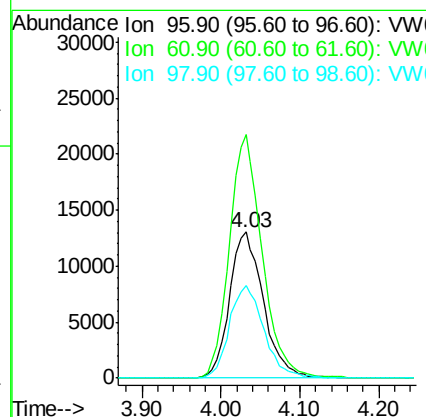
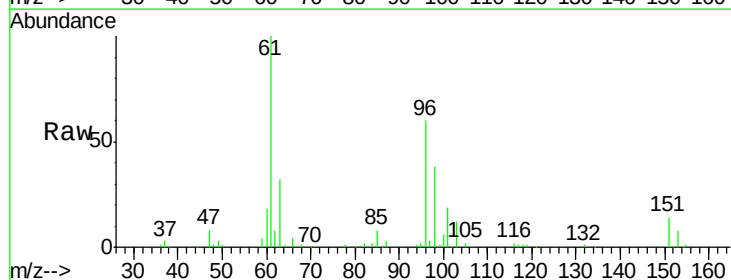
Tot Ion: 59 Resp: 11091
 Ion Ratio Lower Upper
 59 100
 57 4.9 9.0 13.4#

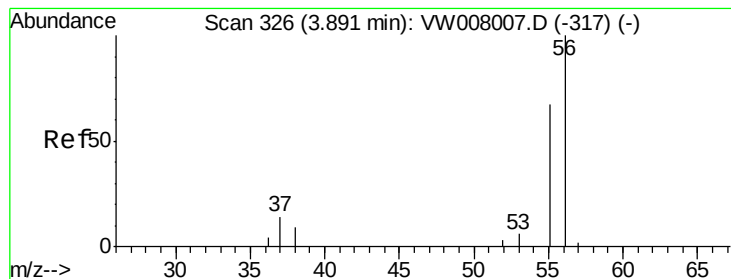


#12

1,1-Dichloroethene
 Concen: 49.126 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion: 96 Resp: 38902
 Ion Ratio Lower Upper
 96 100
 61 166.8 137.3 205.9
 98 63.3 50.5 75.7





#13

Acrolein

Concen: 228.402 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

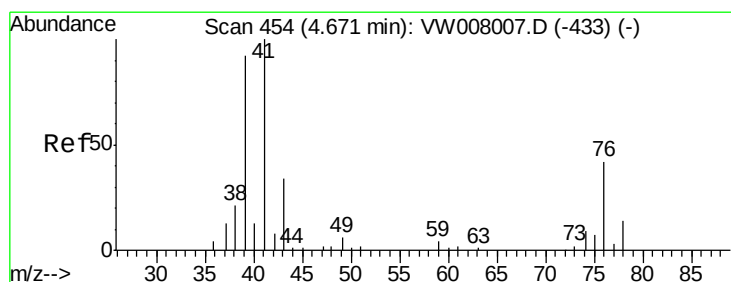
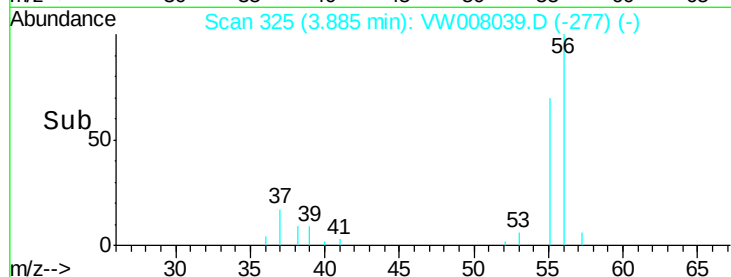
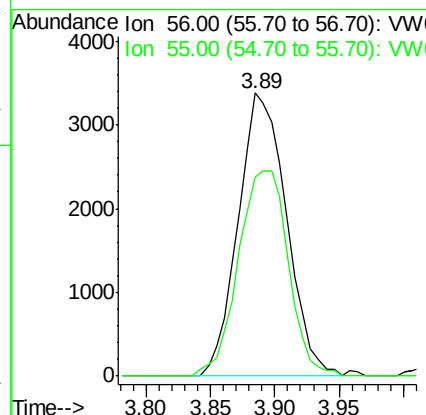
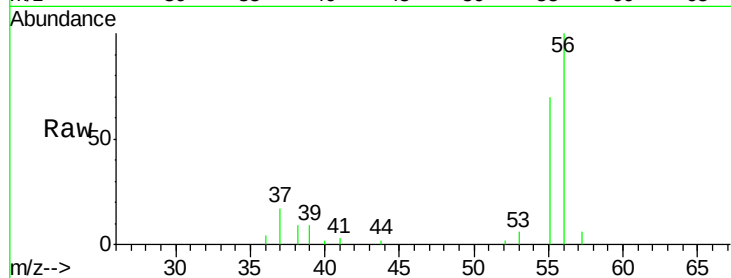
VSTDCCC050

Tot Ion: 56 Resp: 8771

Ion Ratio Lower Upper

56 100

55 75.3 57.3 85.9



#14

Allyl chloride

Concen: 49.664 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

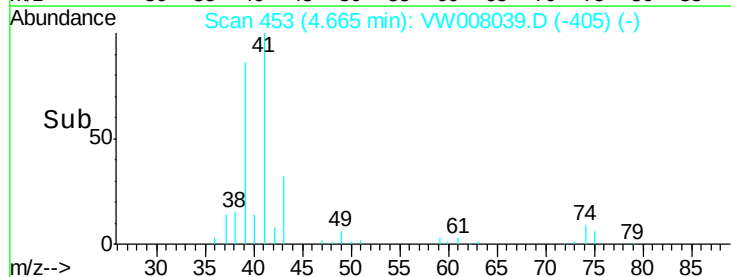
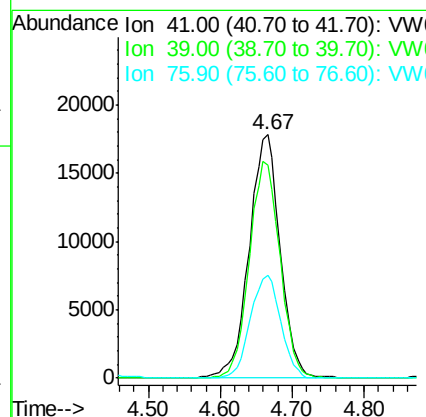
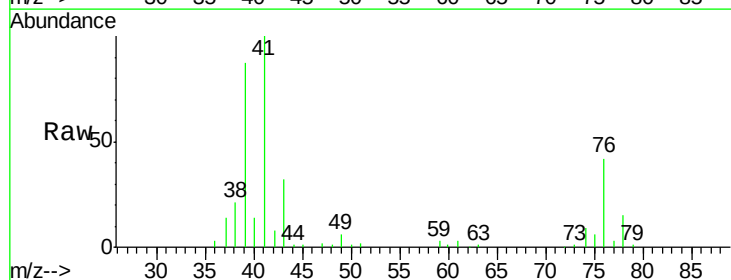
Tgt Ion: 41 Resp: 53280

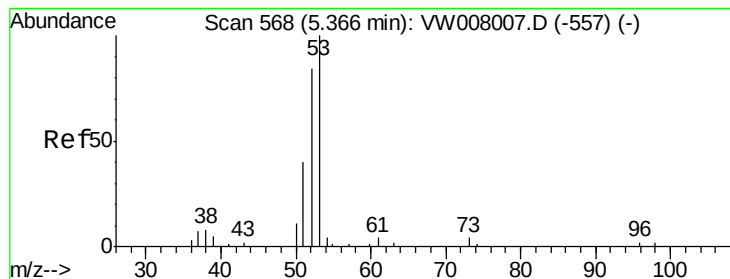
Ion Ratio Lower Upper

41 100

39 88.4 71.1 106.7

76 41.4 33.4 50.2





#15

Acrylonitrile

Concen: 237.972 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

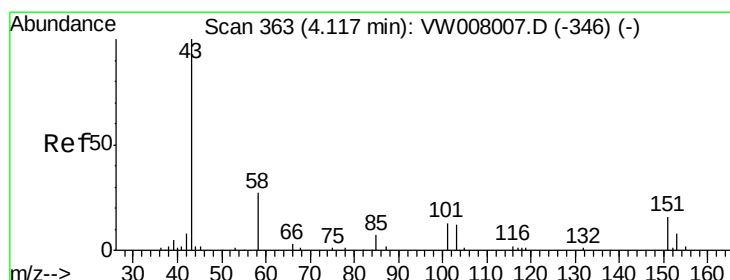
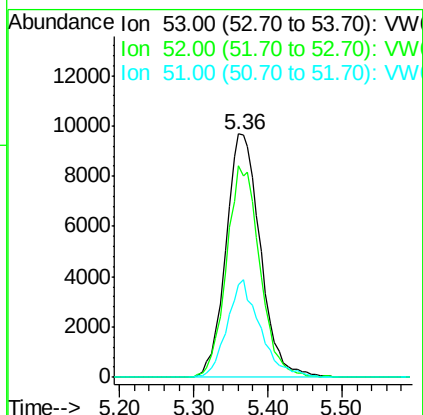
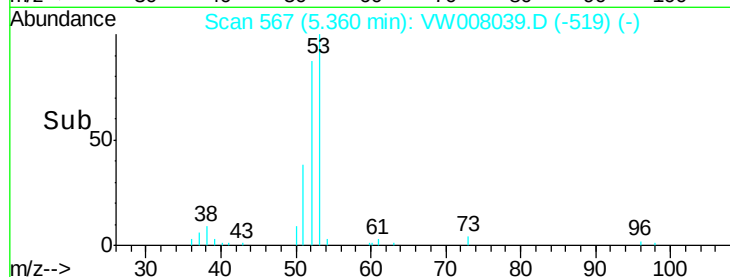
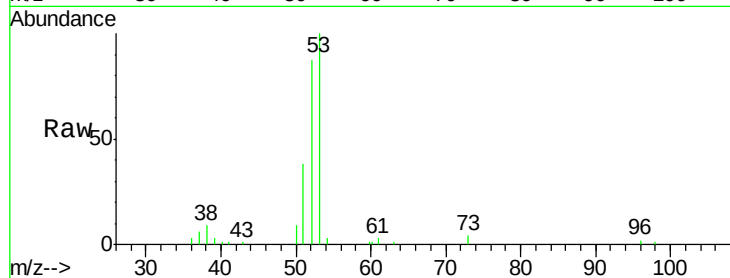
Tot Ion: 53 Resp: 31296

Ion Ratio Lower Upper

53 100

52 84.0 67.8 101.8

51 38.5 31.5 47.3



#16

Acetone

Concen: 257.452 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008039.D

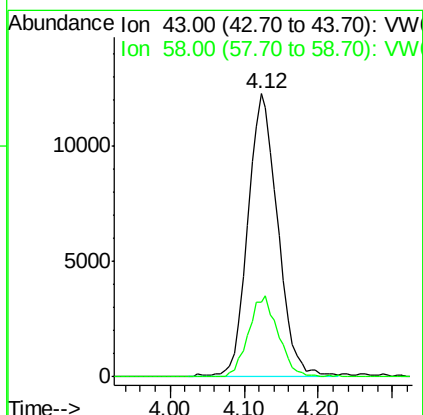
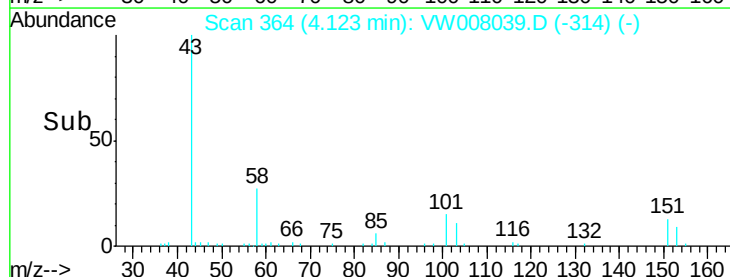
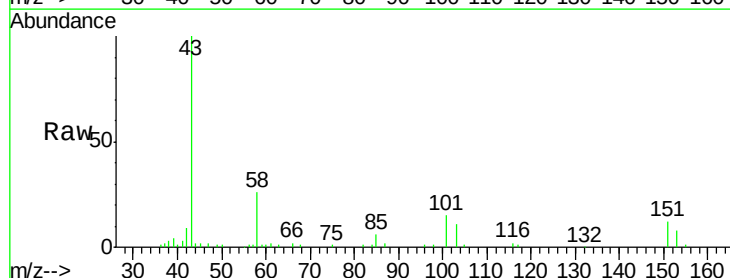
Acq: 04 Jan 2019 11:06

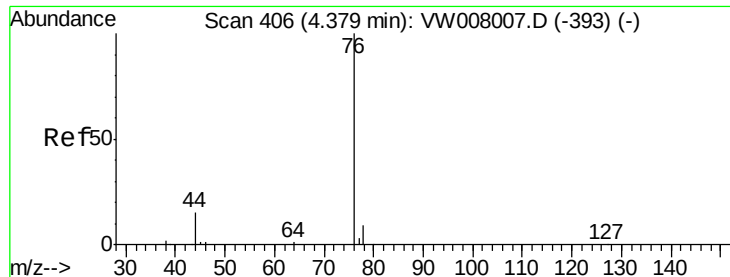
Tgt Ion: 43 Resp: 34767

Ion Ratio Lower Upper

43 100

58 26.4 21.7 32.5





#17

Carbon Disulfide

Concen: 48.987 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

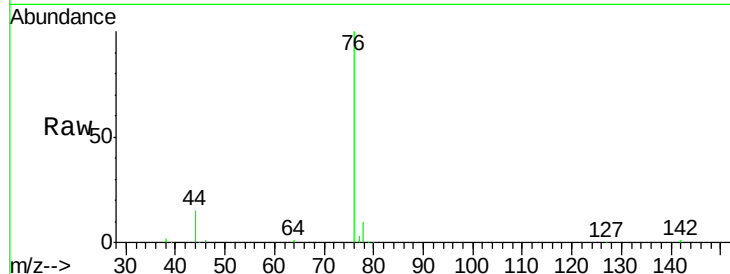
VSTDCCC050

Tot Ion: 76 Resp: 118496

Ion Ratio Lower Upper

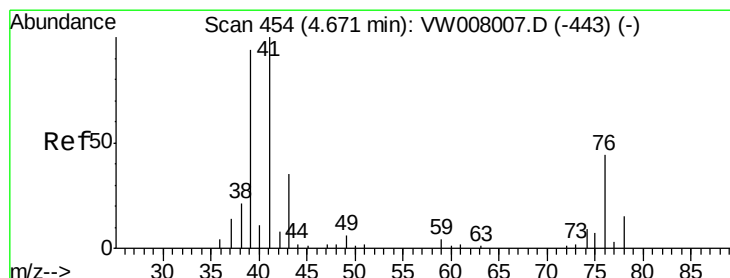
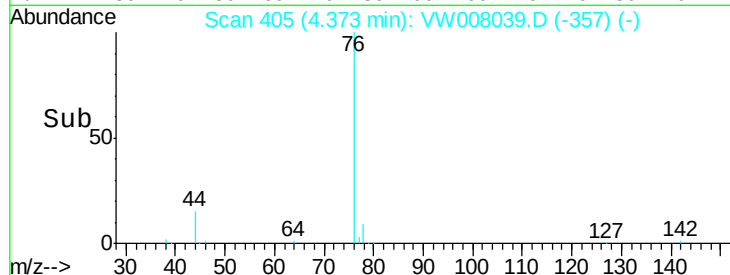
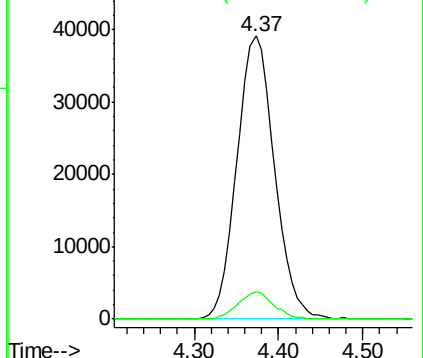
76 100

78 9.5 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 49.935 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008039.D

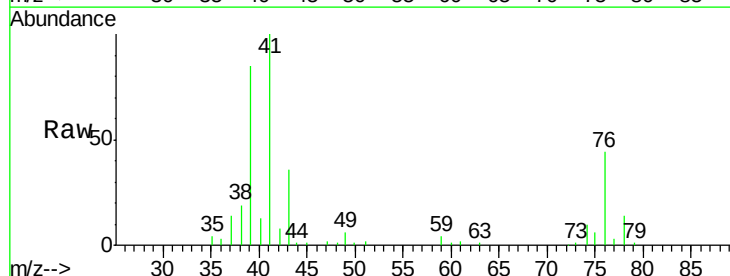
Acq: 04 Jan 2019 11:06

Tgt Ion: 43 Resp: 17488

Ion Ratio Lower Upper

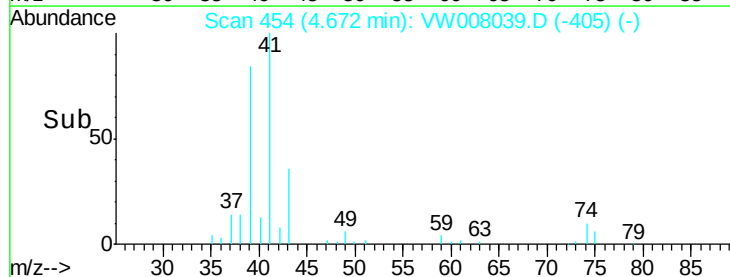
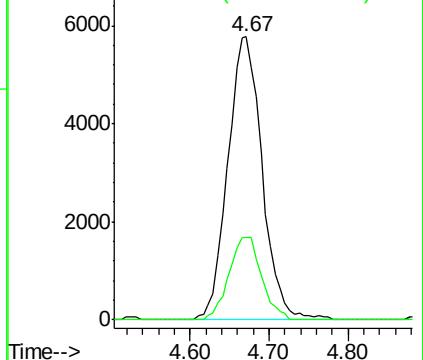
43 100

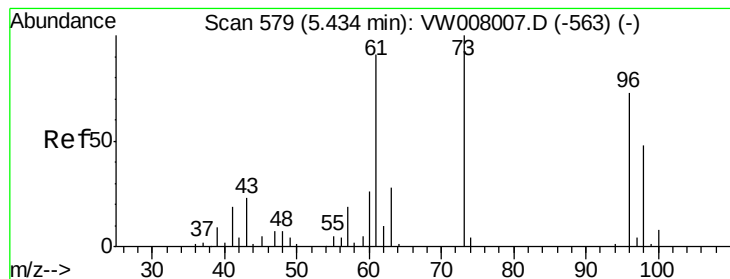
74 27.7 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 45.409 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

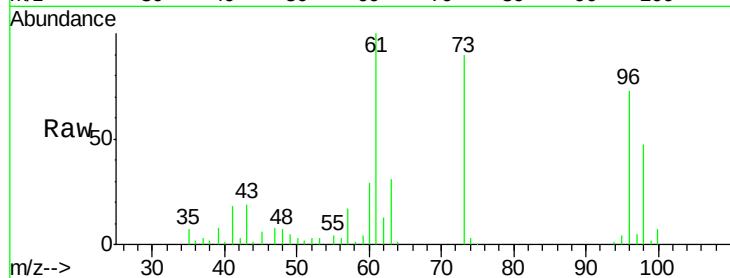
VSTDCCC050

Tot Ion: 73 Resp: 56590

Ion Ratio Lower Upper

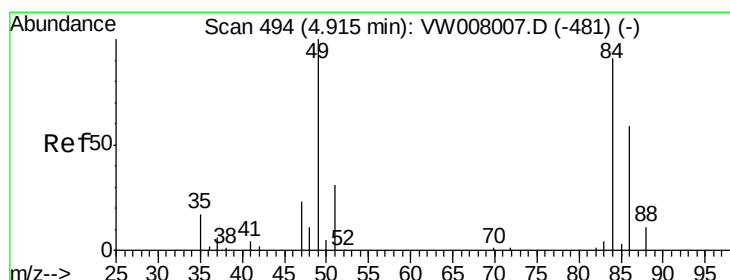
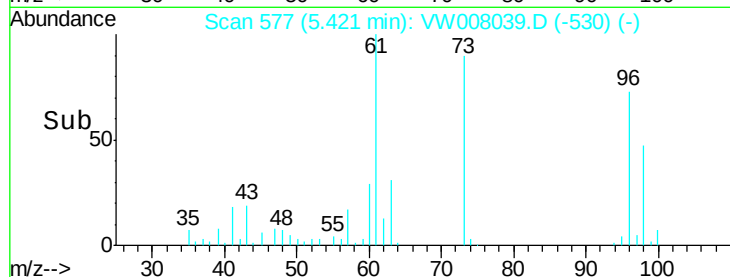
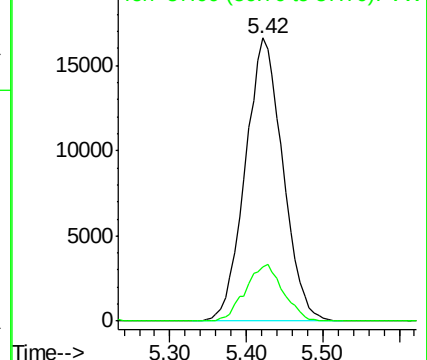
73 100

57 19.3 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 45.806 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Tgt Ion: 84 Resp: 38314

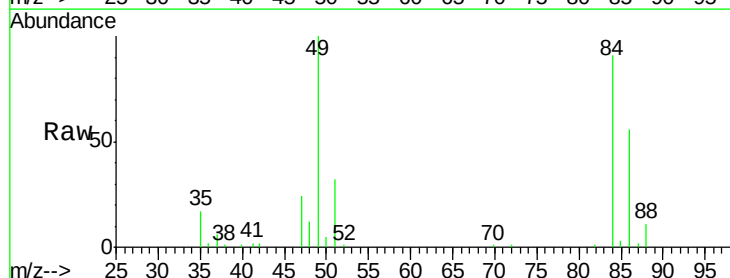
Ion Ratio Lower Upper

84 100

49 109.4 87.7 131.5

51 34.6 27.3 40.9

86 61.6 51.4 77.0

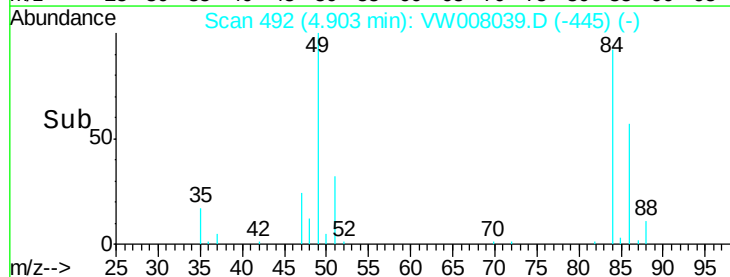
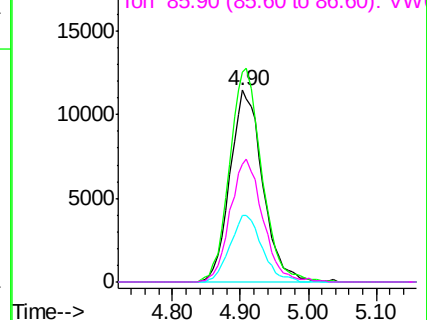


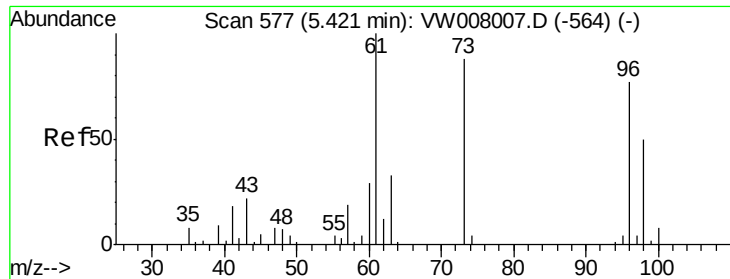
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 47.970 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

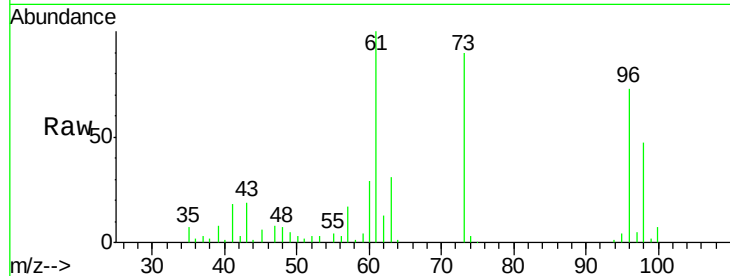
Tot Ion: 96 Resp: 41330

Ion Ratio Lower Upper

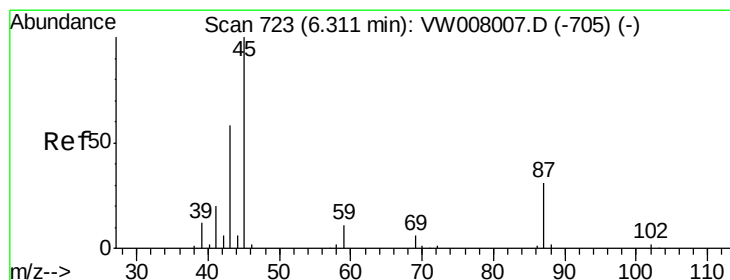
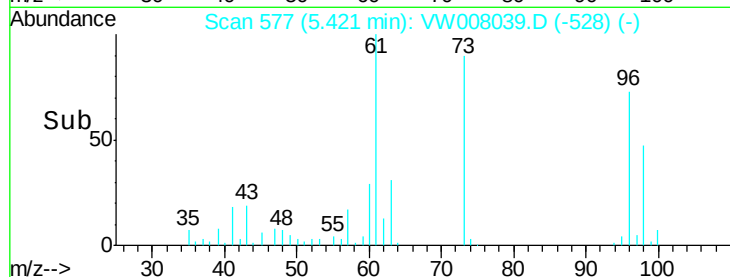
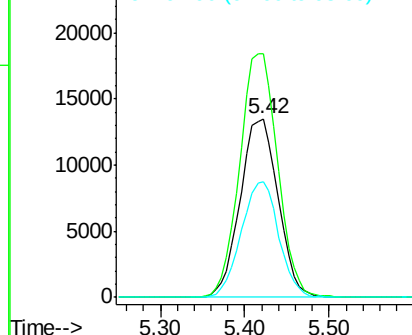
96 100

61 136.3 104.2 156.2

98 64.6 51.8 77.6



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



#22

Diisopropyl ether

Concen: 48.588 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Tgt Ion: 45 Resp: 93561

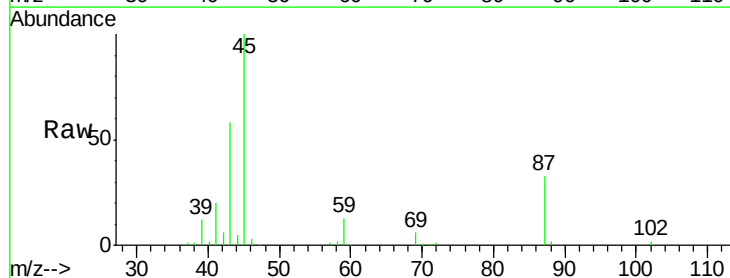
Ion Ratio Lower Upper

45 100

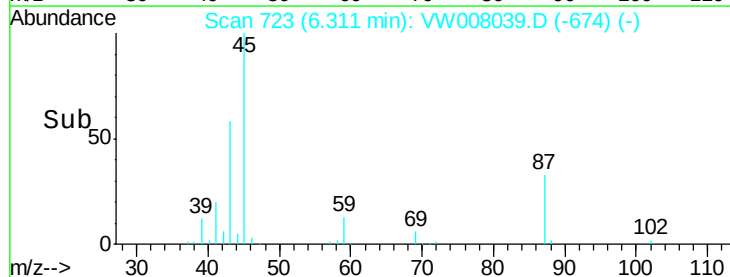
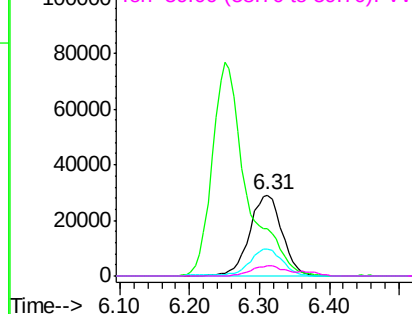
43 57.5 48.1 72.1

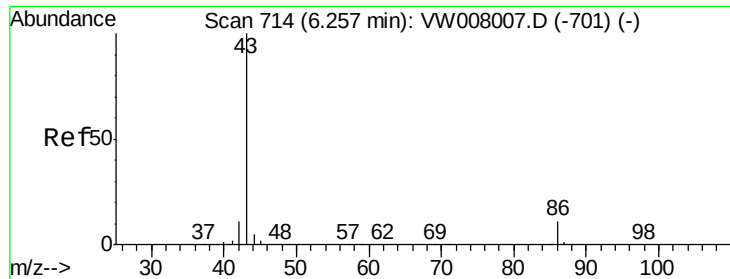
87 33.5 25.8 38.8

59 12.1 8.7 13.1



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





#23

Vinyl Acetate

Concen: 243.090 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

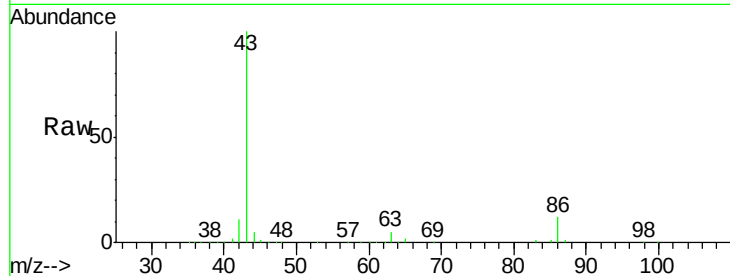
VSTDCCC050

Tot Ion: 43 Resp: 261899

Ion Ratio Lower Upper

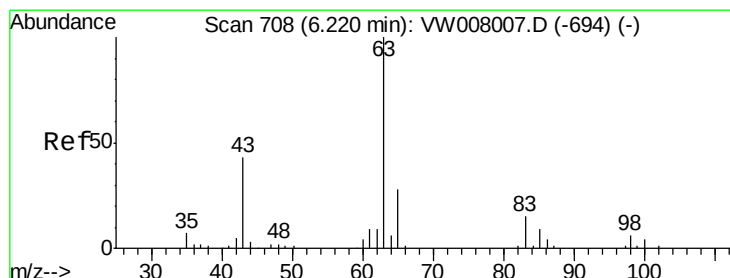
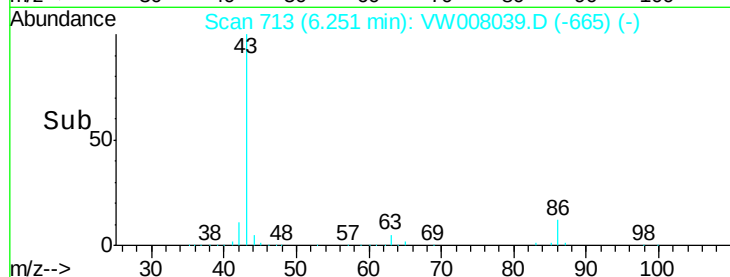
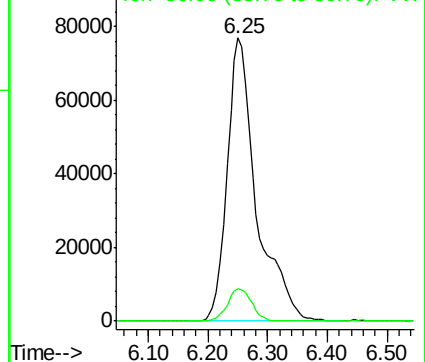
43 100

86 11.6 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 47.971 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

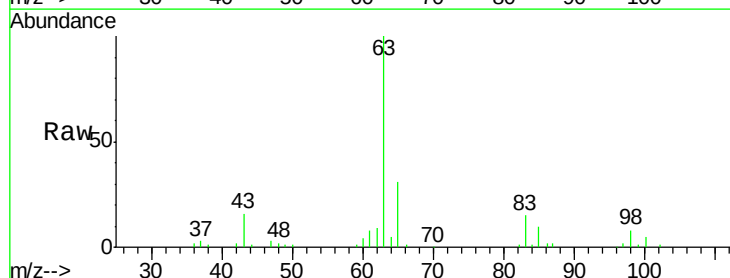
Tgt Ion: 63 Resp: 68633

Ion Ratio Lower Upper

63 100

98 7.6 3.2 9.6

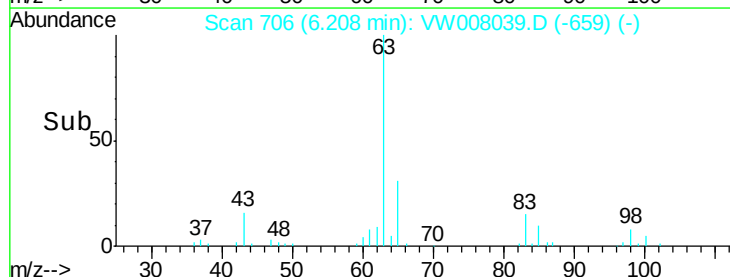
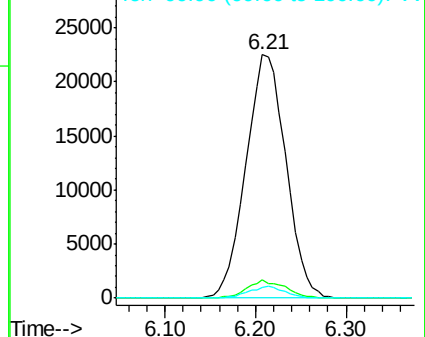
100 4.6 2.1 6.2

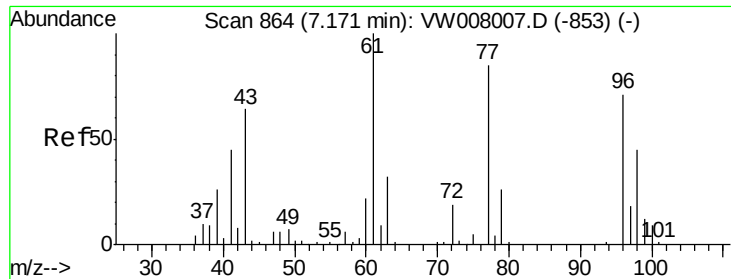


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 250.274 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

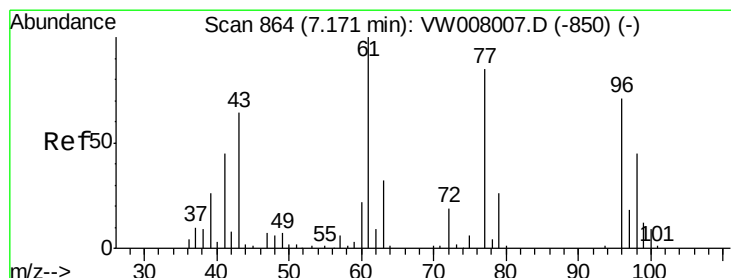
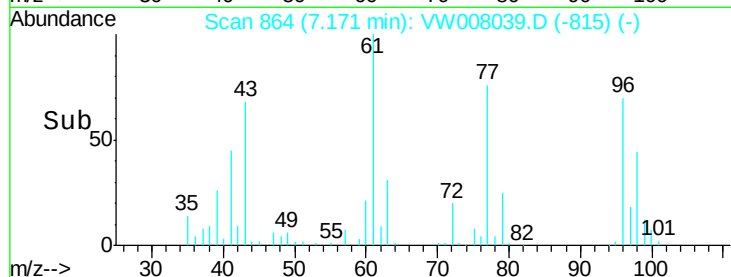
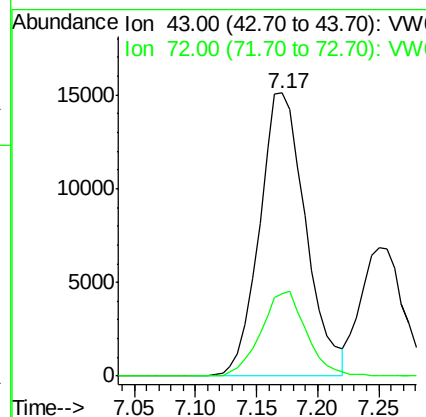
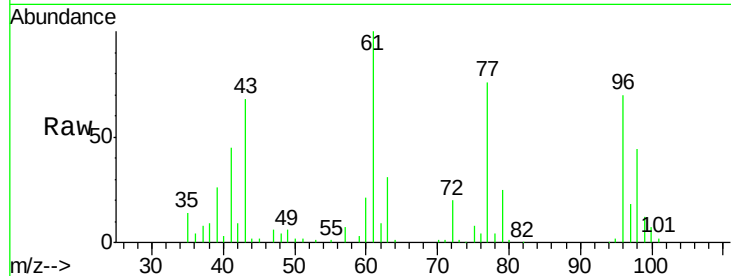
VSTDCCC050

Tot Ion: 43 Resp: 39821

Ion Ratio Lower Upper

43 100

72 29.1 23.8 35.8



#26

2,2-Dichloropropane

Concen: 45.898 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008039.D

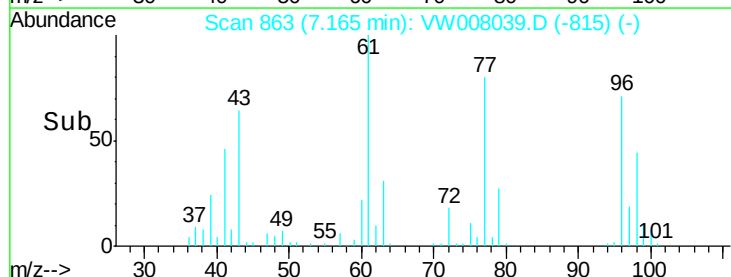
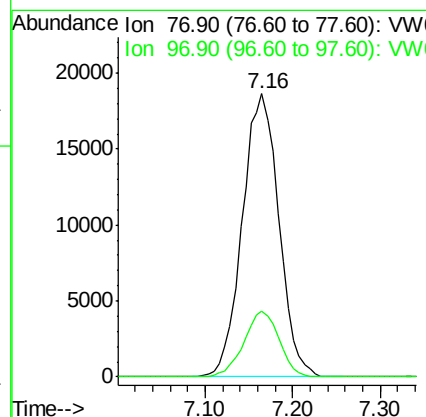
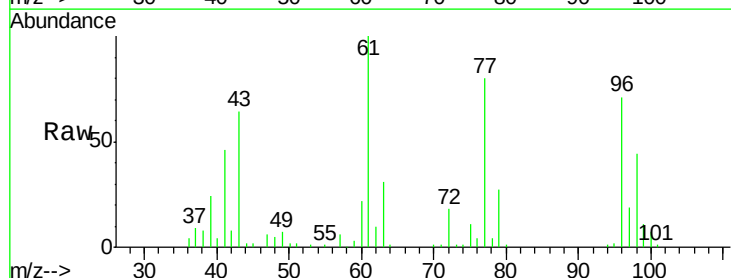
Acq: 04 Jan 2019 11:06

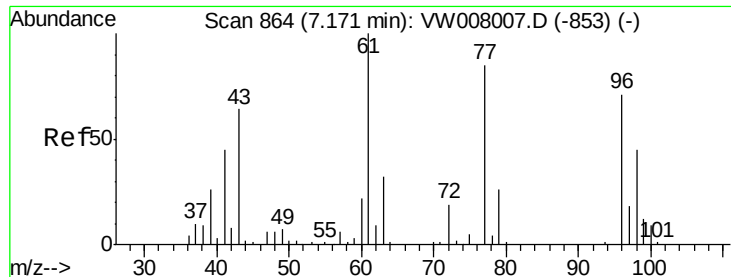
Tgt Ion: 77 Resp: 54103

Ion Ratio Lower Upper

77 100

97 22.5 11.0 33.0



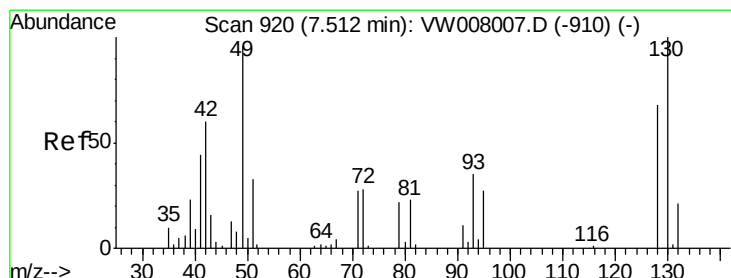
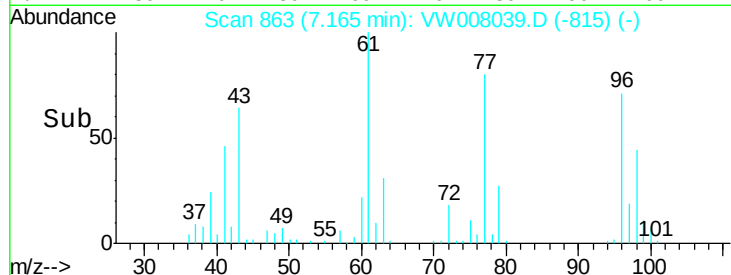
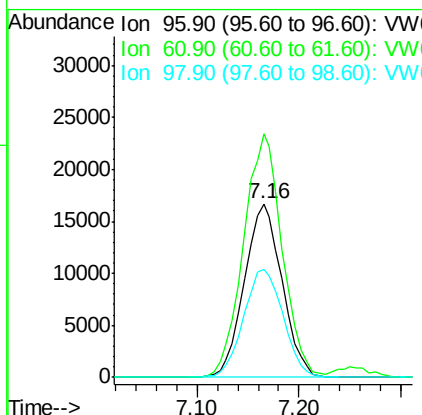
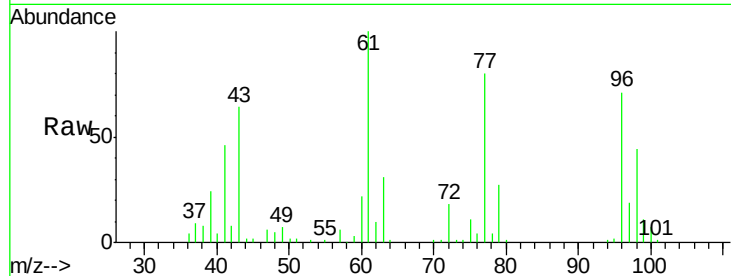


#27

cis-1,2-Dichloroethene
 Concen: 46.669 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

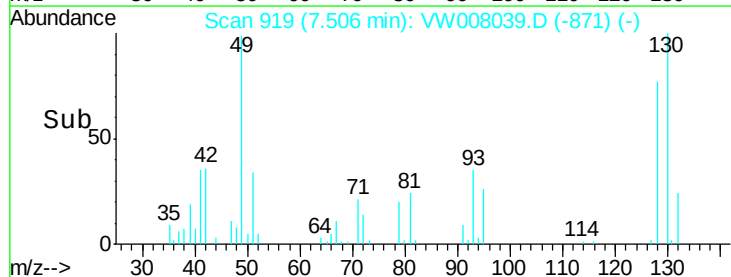
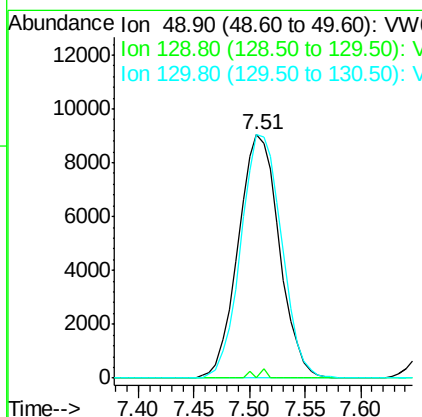
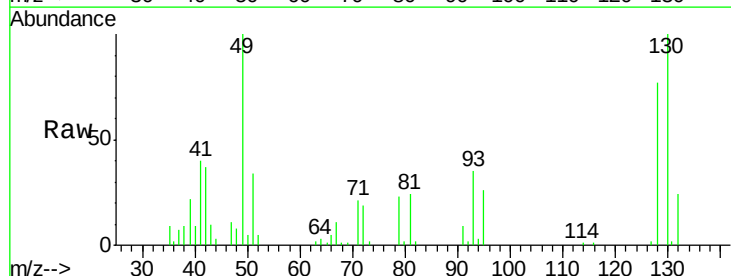
Tot Ion: 96 Resp: 42831
 Ion Ratio Lower Upper
 96 100
 61 143.7 0.0 286.4
 98 65.1 0.0 130.6

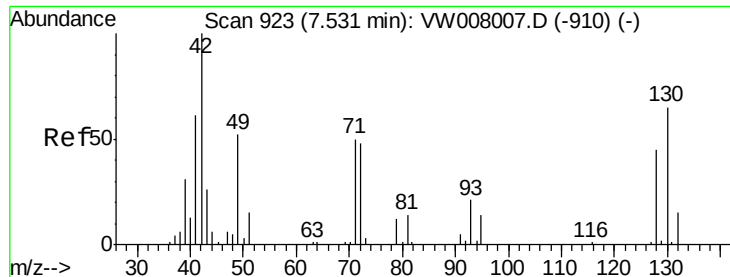


#28

Bromochloromethane
 Concen: 50.388 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion: 49 Resp: 23171
 Ion Ratio Lower Upper
 49 100
 129 0.4 0.0 0.8
 130 99.4 78.5 117.7





#29

Tetrahydrofuran

Concen: 234.633 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

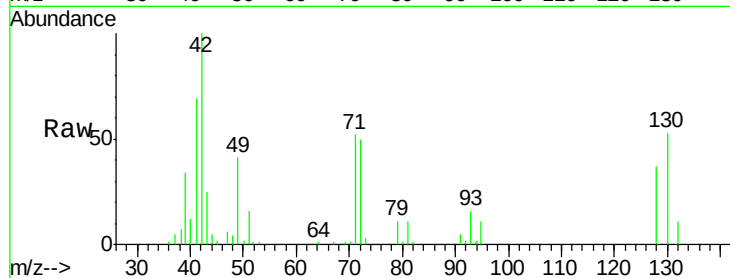
Tot Ion: 42 Resp: 23189

Ion Ratio Lower Upper

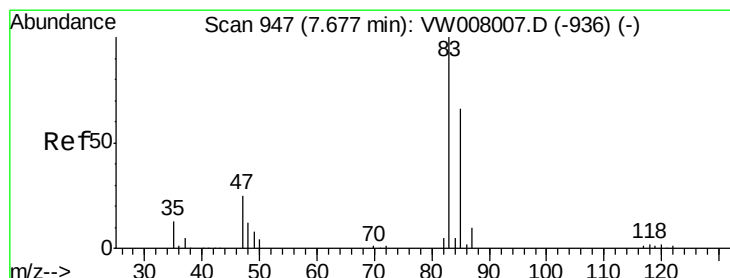
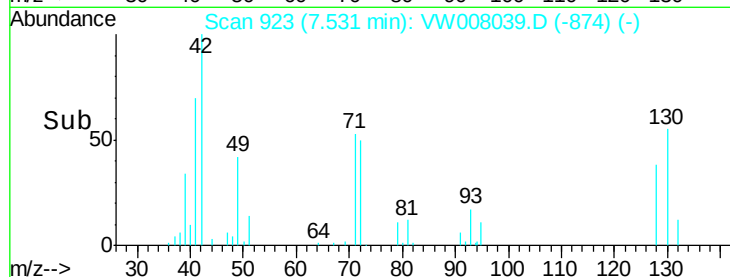
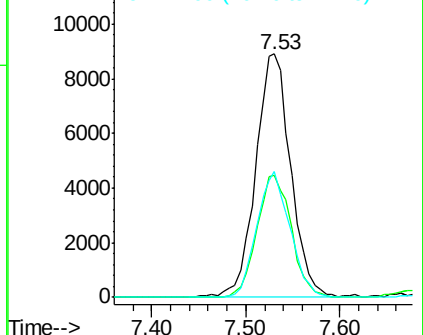
42 100

72 49.3 39.0 58.6

71 49.1 39.1 58.7



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: 47.257 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW008039.D

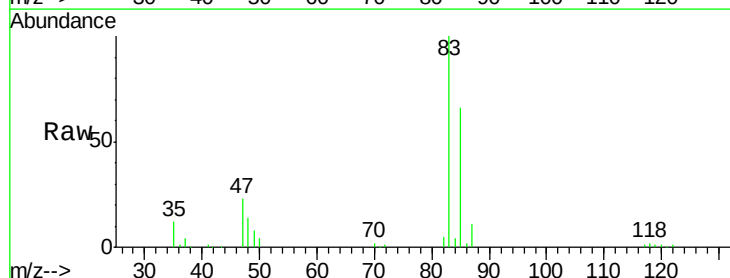
Acq: 04 Jan 2019 11:06

Tgt Ion: 83 Resp: 75775

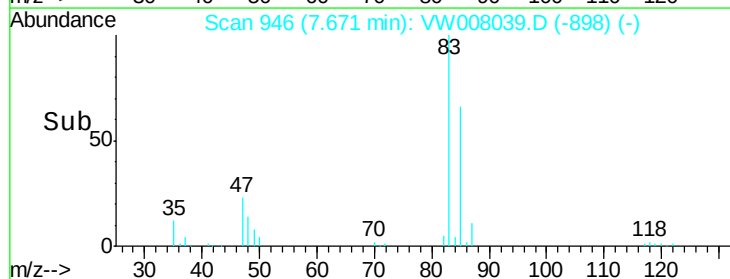
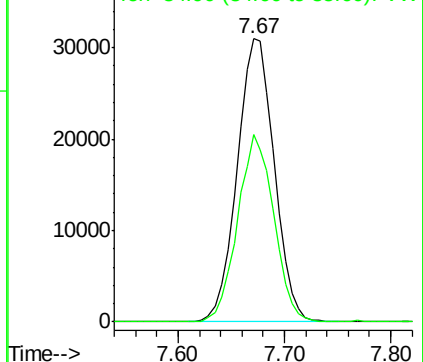
Ion Ratio Lower Upper

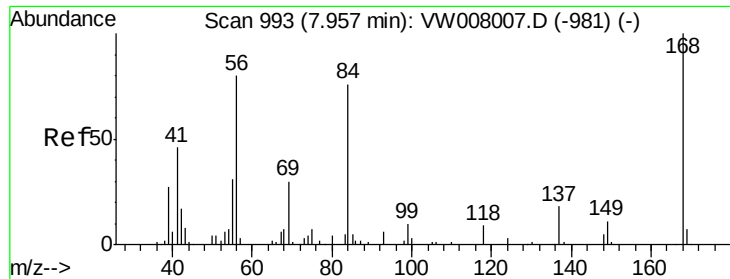
83 100

85 66.2 52.7 79.1



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

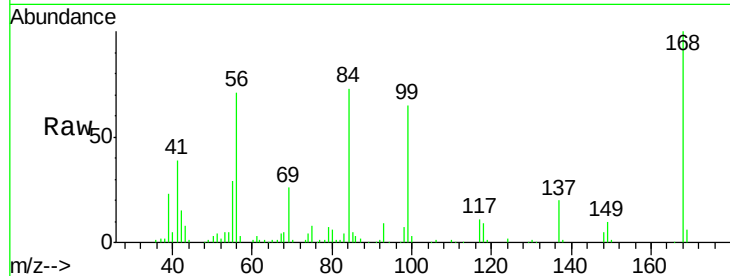




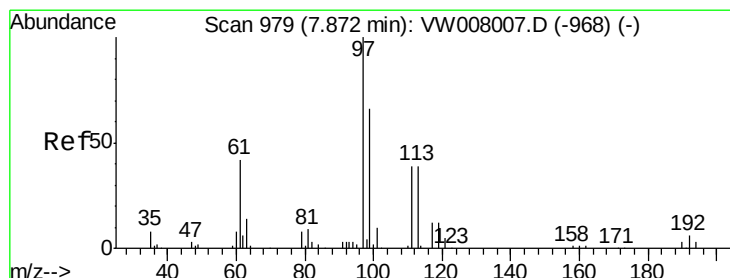
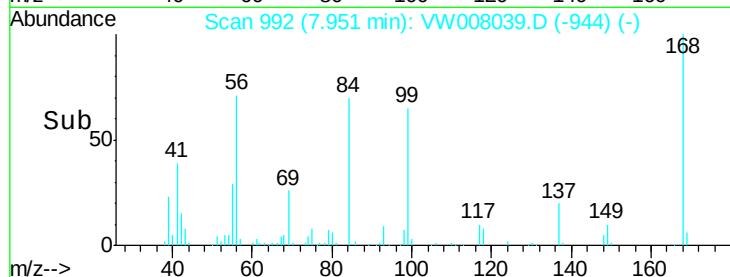
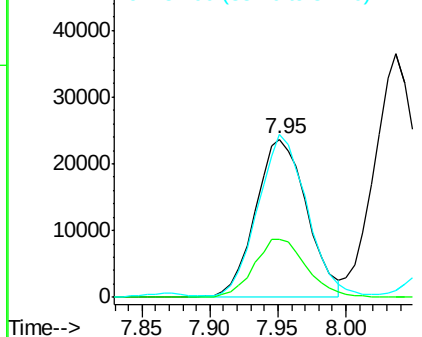
#31
Cyclohexane
Concen: 46.804 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 62414
Ion Ratio Lower Upper
56 100
69 37.1 29.8 44.6
84 101.6 75.2 112.8

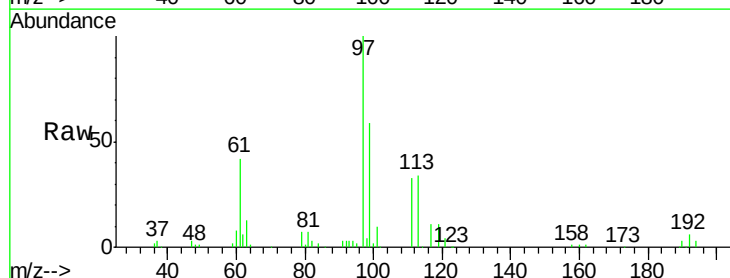


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

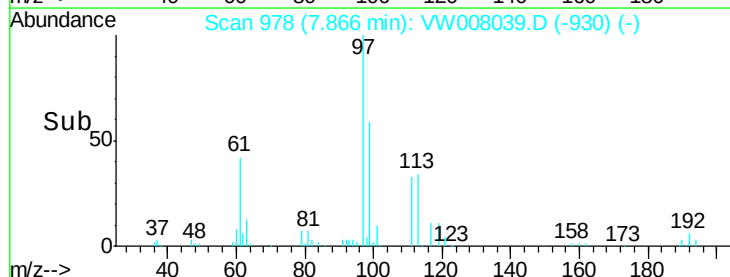
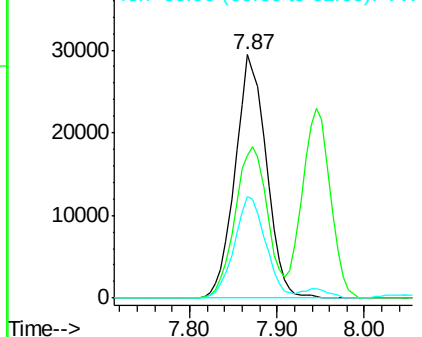


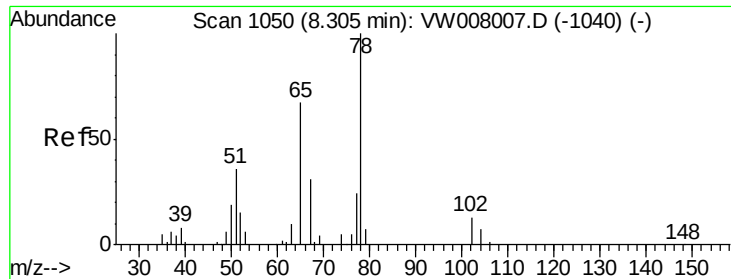
#32
1,1,1-Trichloroethane
Concen: 47.627 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 97 Resp: 73076
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 41.8 33.4 50.0



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

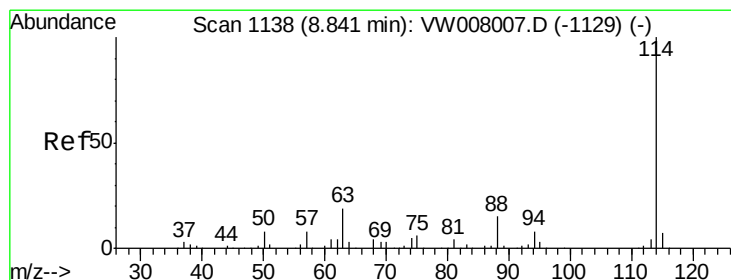
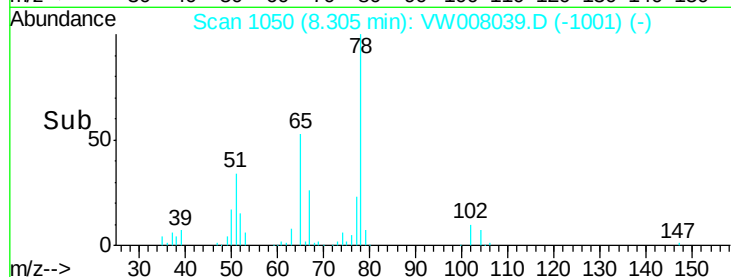
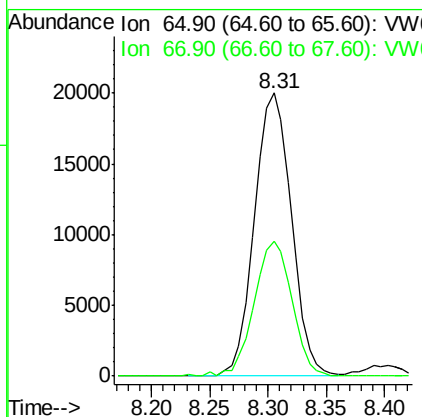
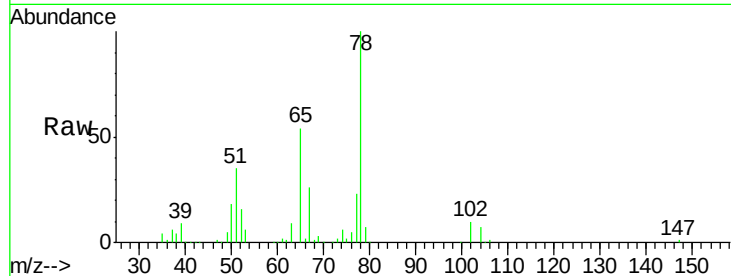




#33
 1,2-Dichloroethane-d4
 Concen: 50.430 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

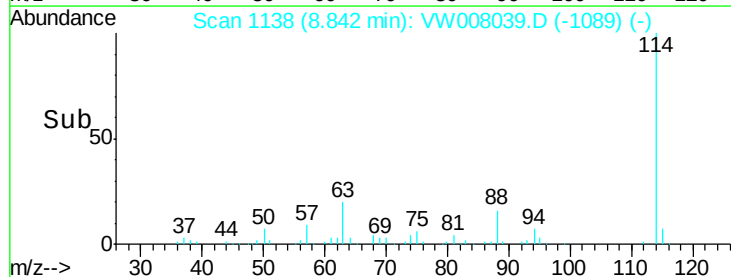
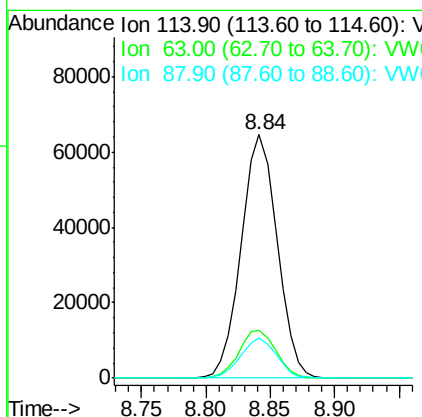
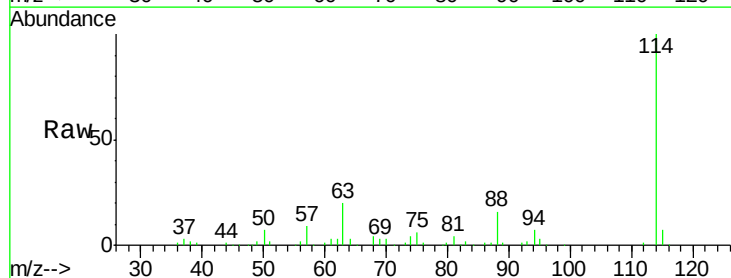
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

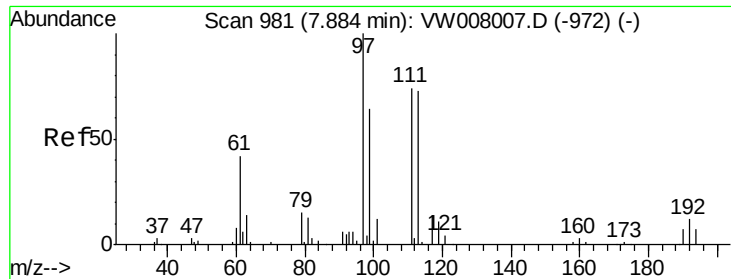
Tot Ion: 65 Resp: 43995
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 94.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion: 114 Resp: 125250
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.8
 88 16.3 0.0 31.0

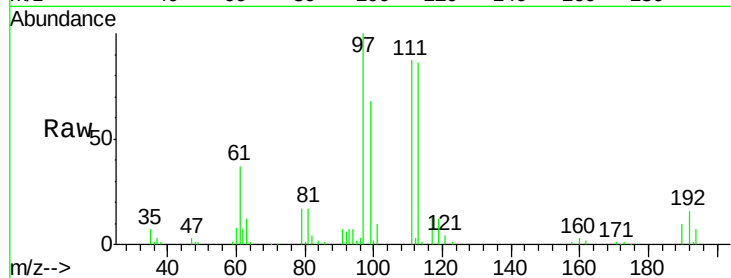




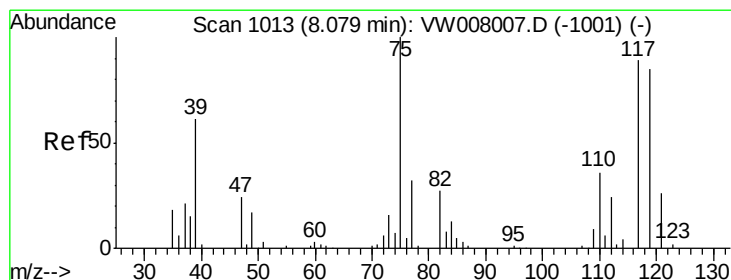
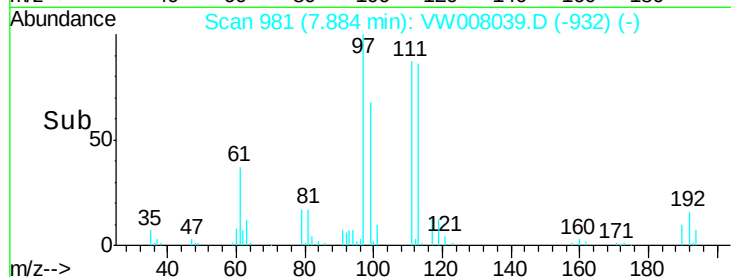
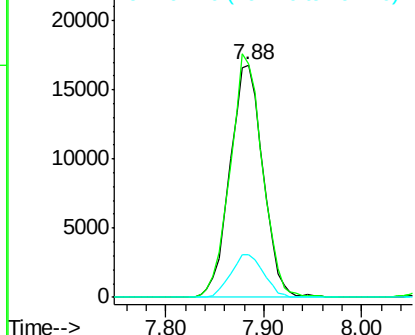
#35
 Dibromofluoromethane
 Concen: 49.899 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 39399
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.0
 192 18.4 14.8 22.2

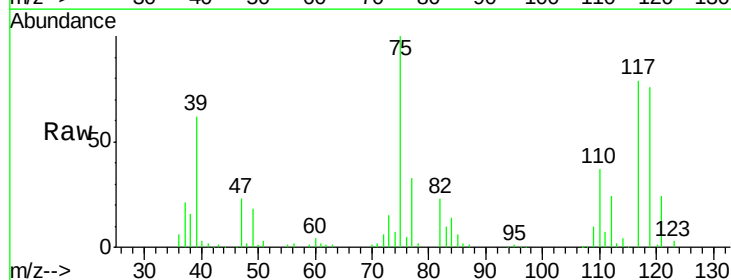


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

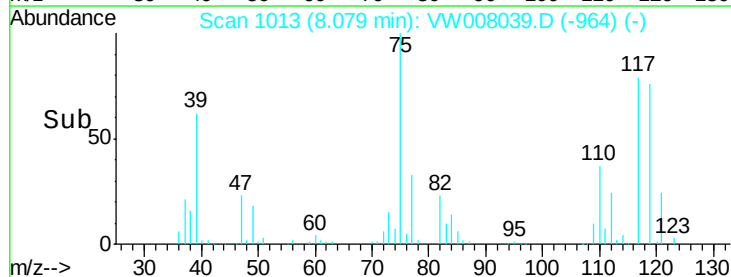
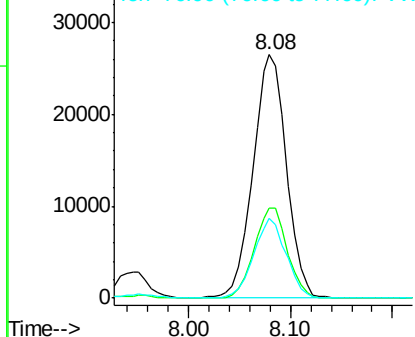


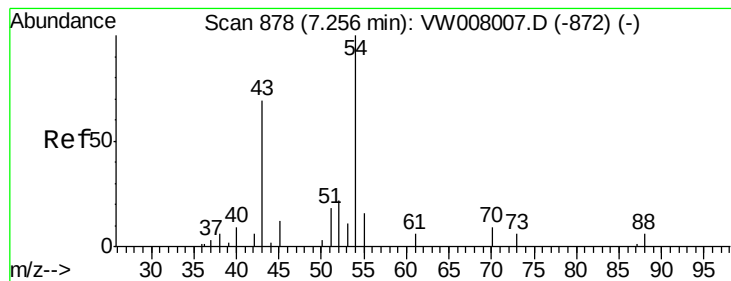
#36
 1,1-Dichloropropene
 Concen: 48.932 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion: 75 Resp: 60457
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.1 54.3
 77 31.7 25.3 37.9



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: 46.709 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

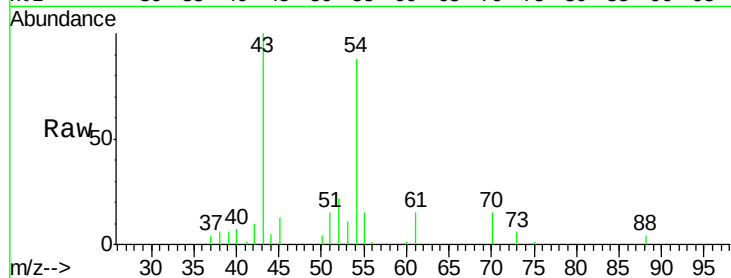
Tot Ion: 43 Resp: 17335

Ion Ratio Lower Upper

43 100

61 13.4 11.4 17.2

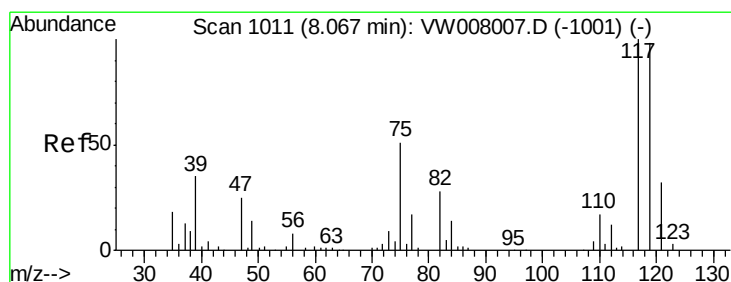
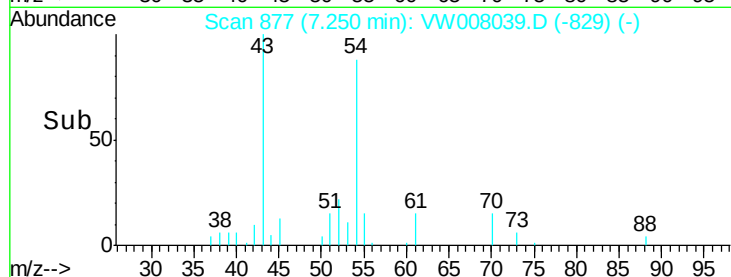
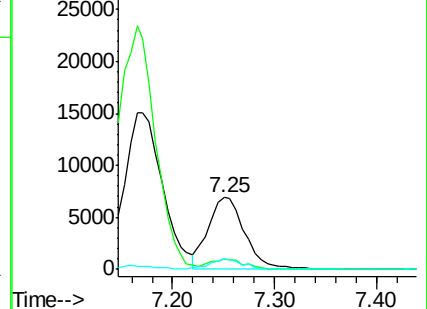
70 13.2 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 48.192 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

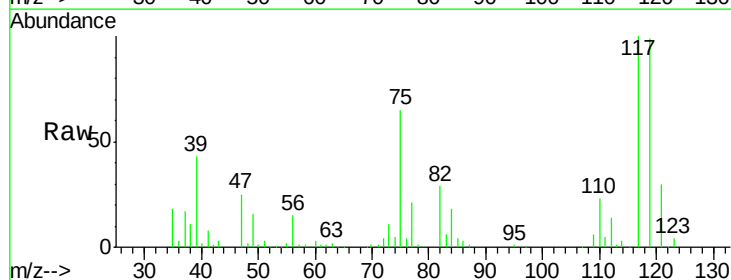
Tgt Ion: 117 Resp: 71358

Ion Ratio Lower Upper

117 100

119 98.6 78.7 118.1

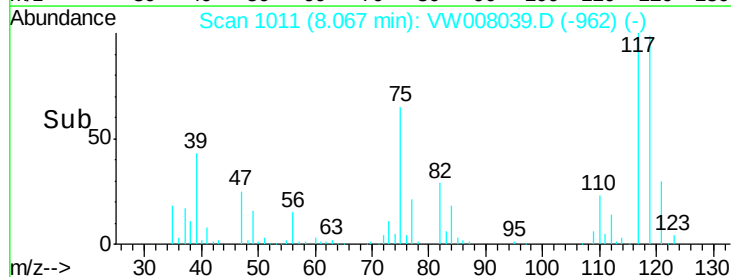
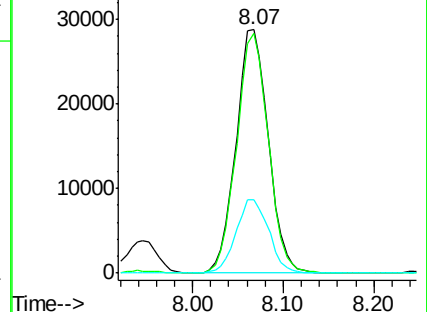
121 30.3 25.8 38.8

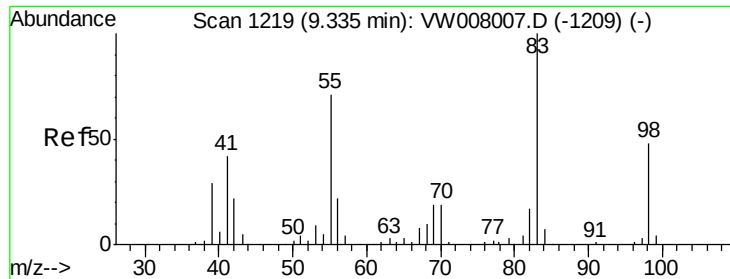


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

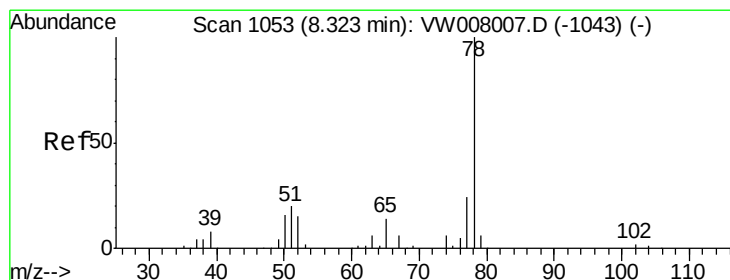
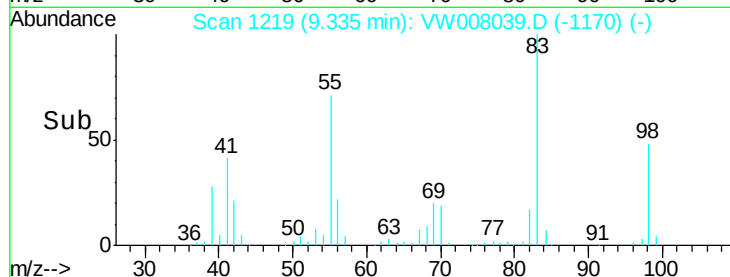
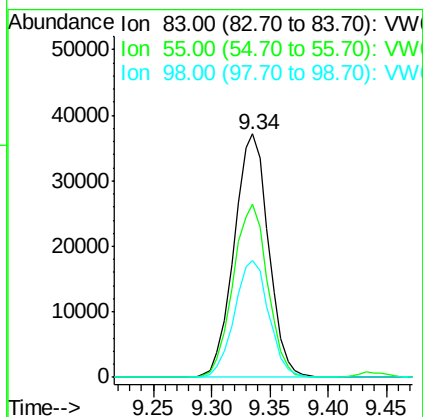
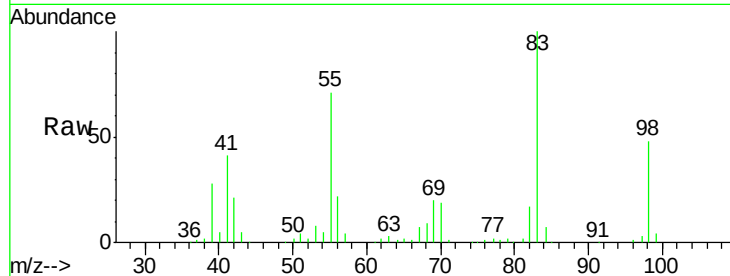




#39
Methylvlcyclohexane
Concen: 49.629 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

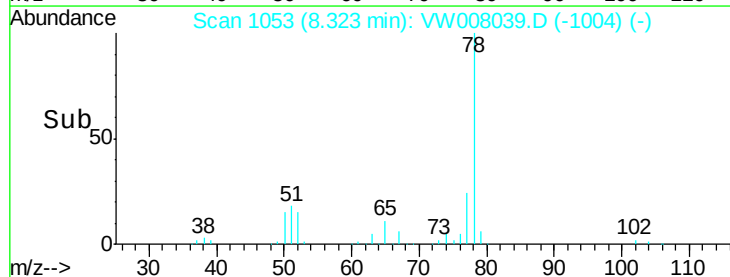
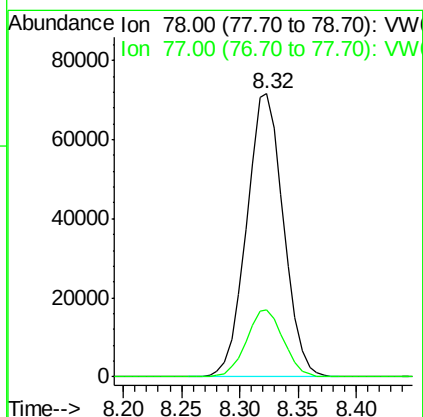
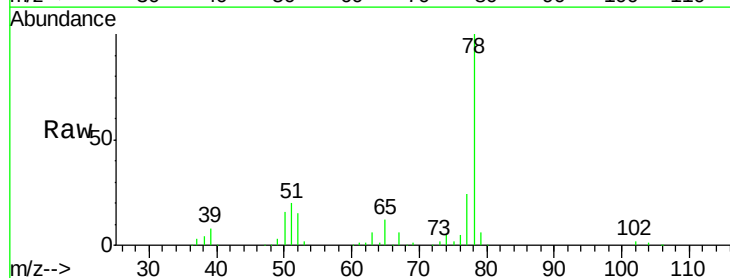
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

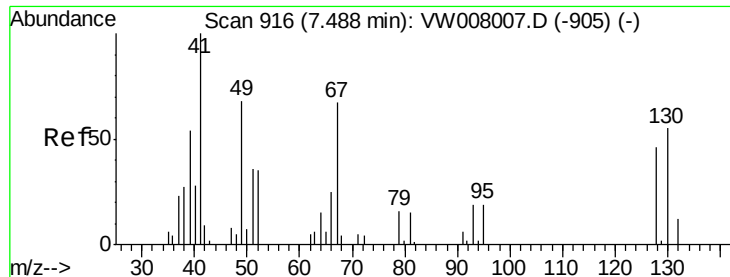
Tot Ion: 83 Resp: 76433
Ion Ratio Lower Upper
83 100
55 71.2 56.8 85.2
98 48.1 38.6 58.0



#40
Benzene
Concen: 48.472 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 78 Resp: 157992
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

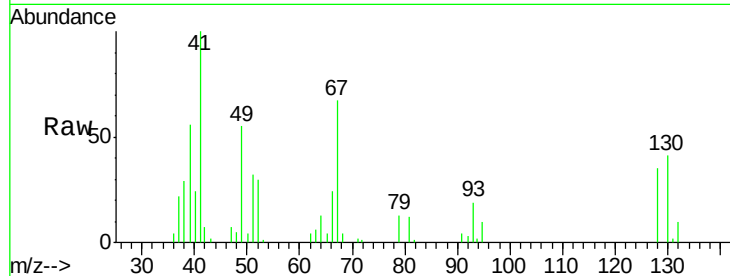




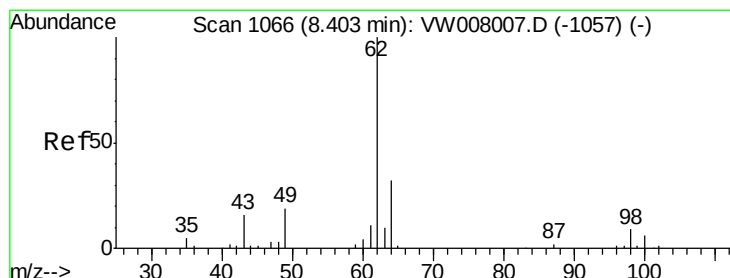
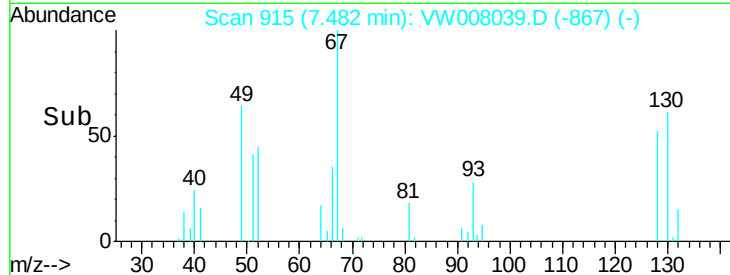
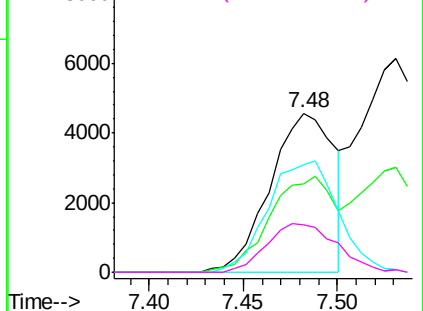
#41
Methacrylonitrile
Concen: 49.320 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	10762
Ion	Ratio	Lower	Upper
41	100		
39	59.8	48.6	72.8
67	76.6	55.6	83.4
52	33.3	25.9	38.9

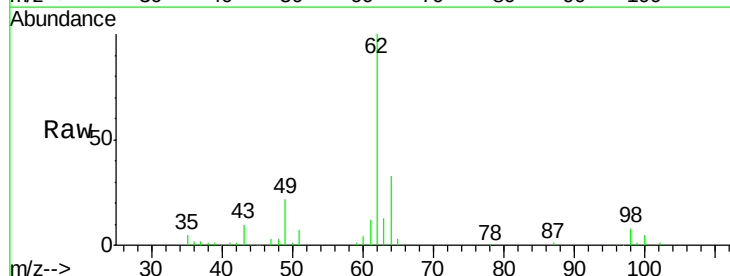


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

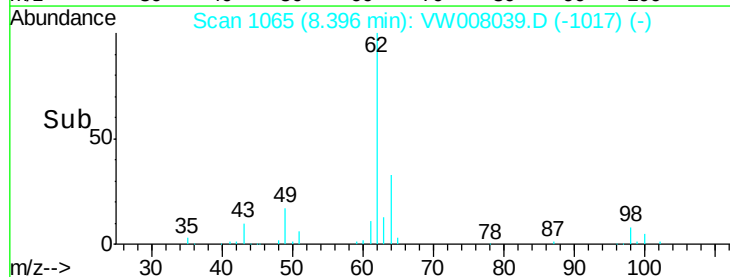
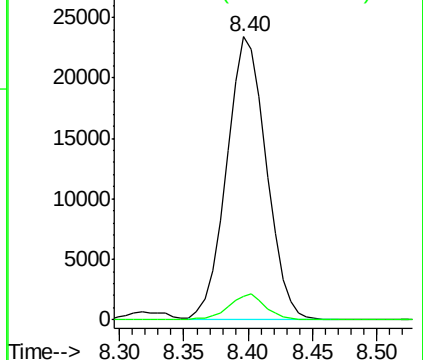


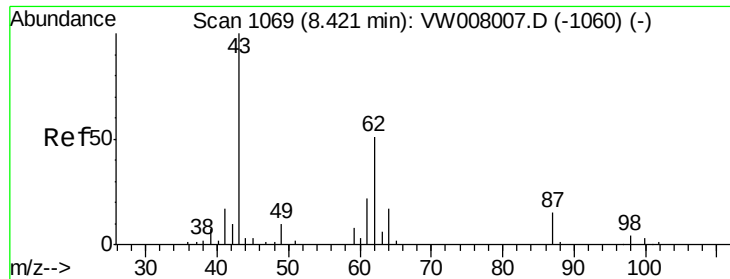
#42
1,2-Dichloroethane
Concen: 46.312 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion:	62	Resp:	50295
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 50.430 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

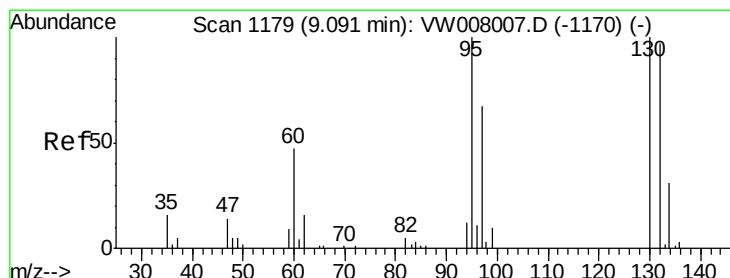
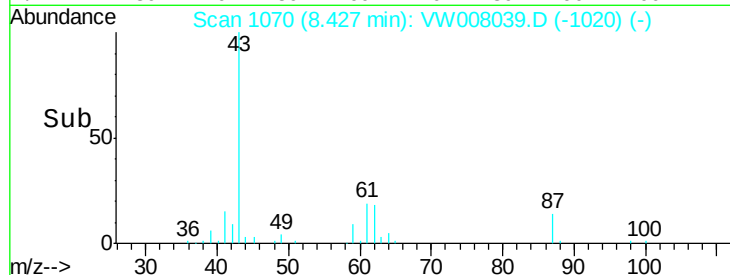
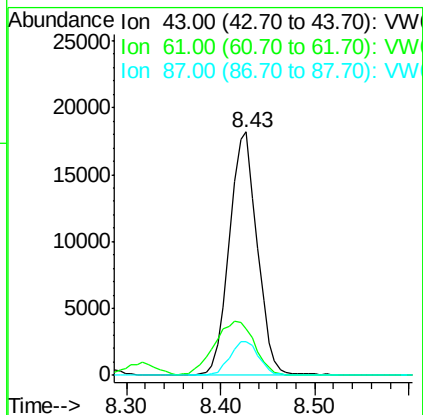
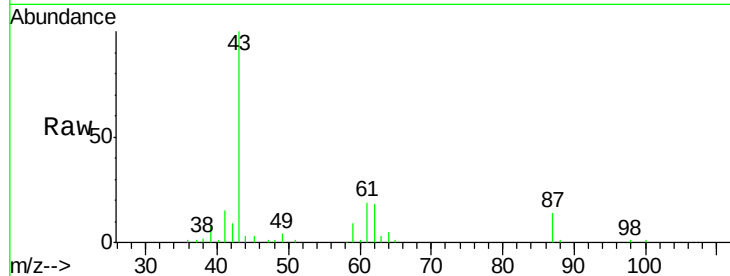
Tot Ion: 43 Resp: 37396

Ion Ratio Lower Upper

43 100

61 31.9 26.4 39.6

87 14.4 12.0 18.0



#44

Trichloroethene

Concen: 48.421 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008039.D

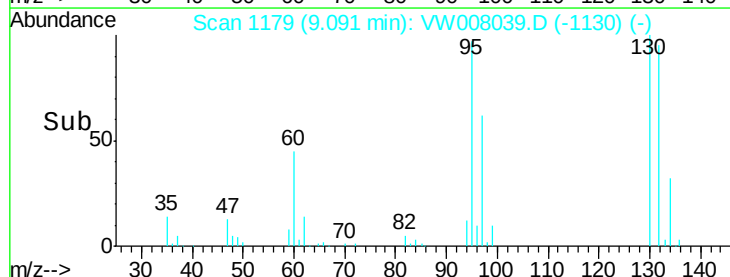
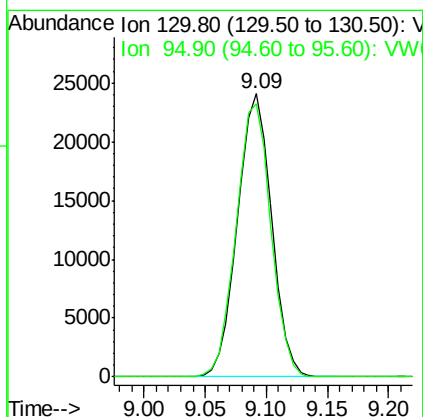
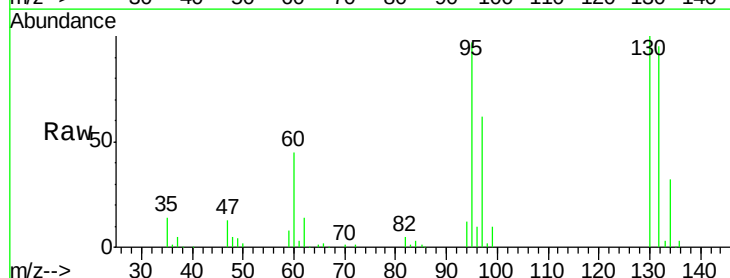
Acq: 04 Jan 2019 11:06

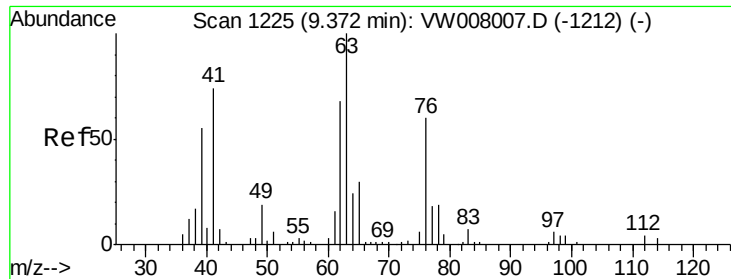
Tgt Ion: 130 Resp: 46574

Ion Ratio Lower Upper

130 100

95 96.7 0.0 200.0





#45

1,2-Dichloropropane

Concen: 49.096 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

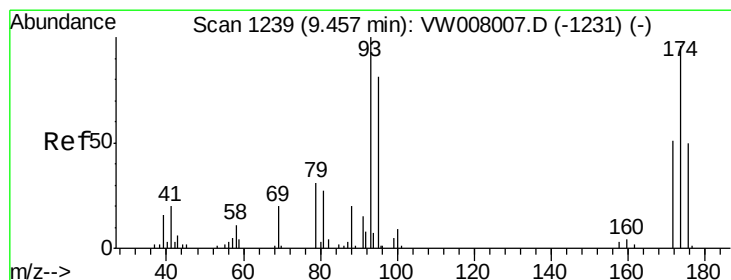
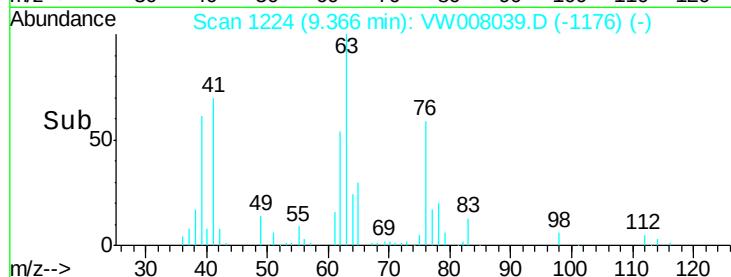
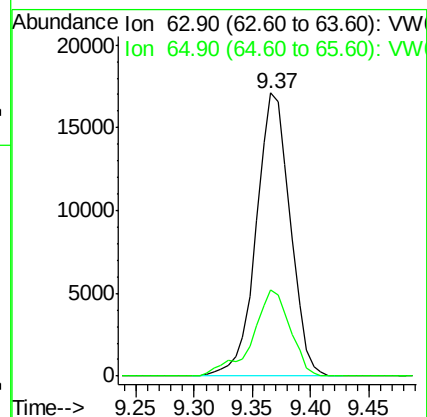
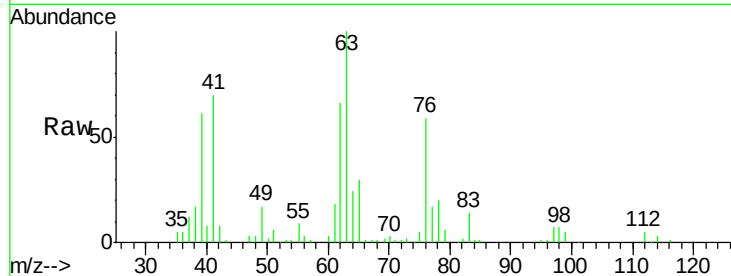
VSTDCCC050

Tot Ion: 63 Resp: 34638

Ion Ratio Lower Upper

63 100

65 30.4 24.2 36.4



#46

Dibromomethane

Concen: 47.284 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

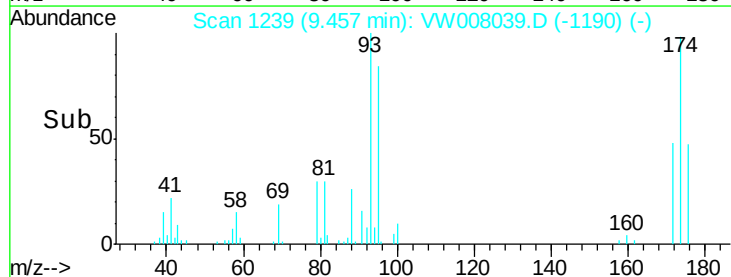
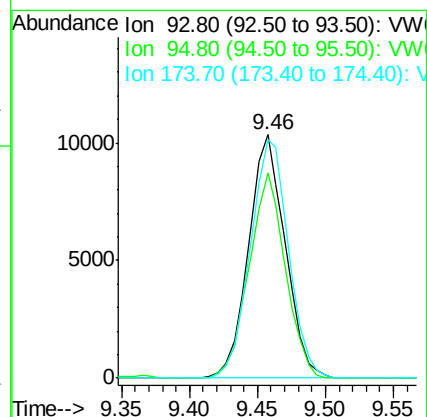
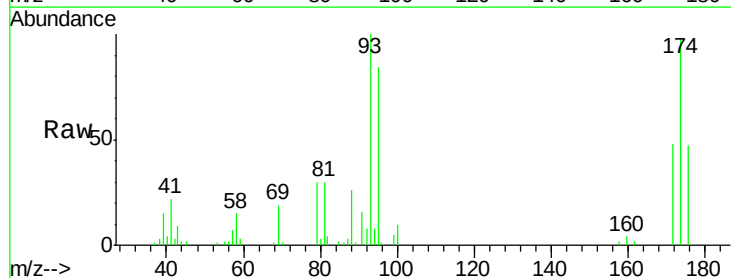
Tgt Ion: 93 Resp: 19504

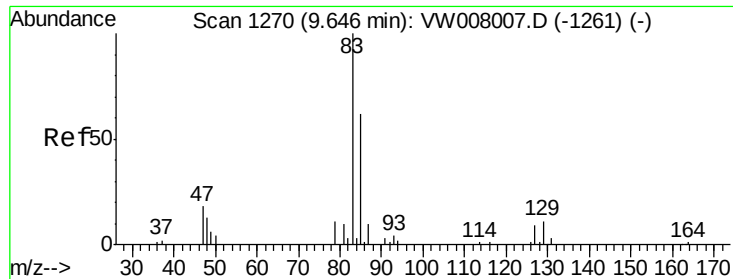
Ion Ratio Lower Upper

93 100

95 83.4 63.9 95.9

174 102.2 79.0 118.6





#47

Bromodichloromethane

Concen: 47.891 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

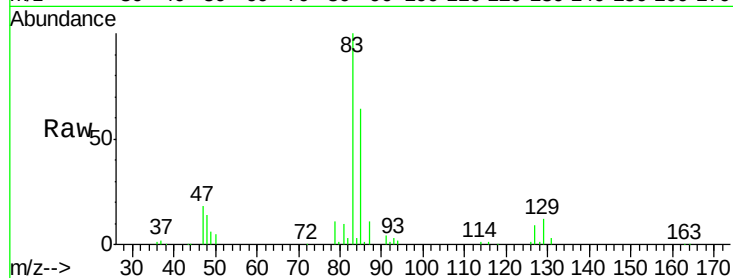
Tot Ion: 83 Resp: 55330

Ion Ratio Lower Upper

83 100

85 63.6 49.5 74.3

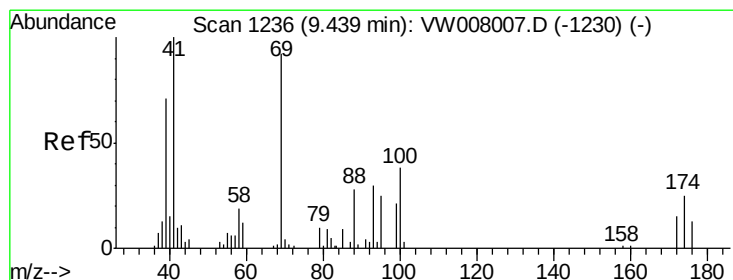
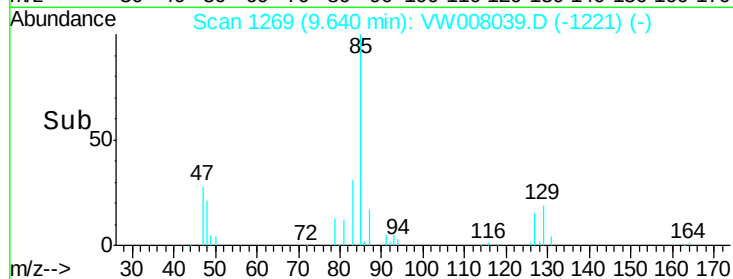
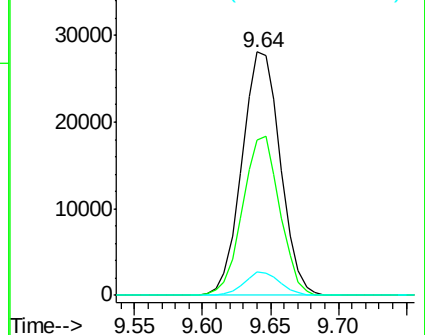
127 9.4 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.459 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

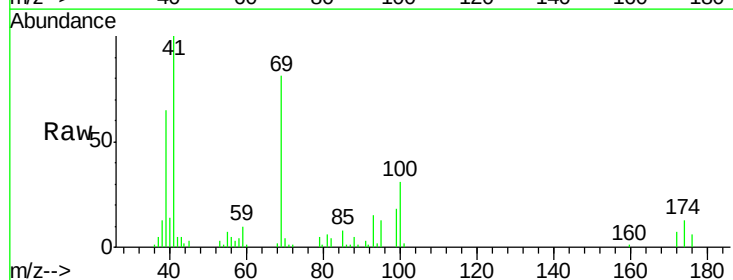
Tgt Ion: 41 Resp: 19988

Ion Ratio Lower Upper

41 100

69 83.6 72.3 108.5

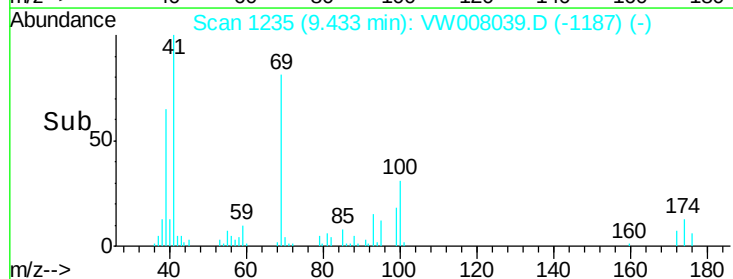
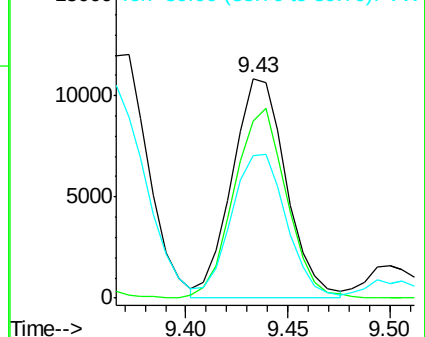
39 63.4 58.7 88.1

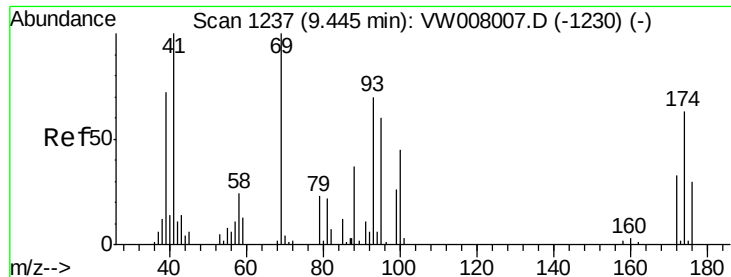


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

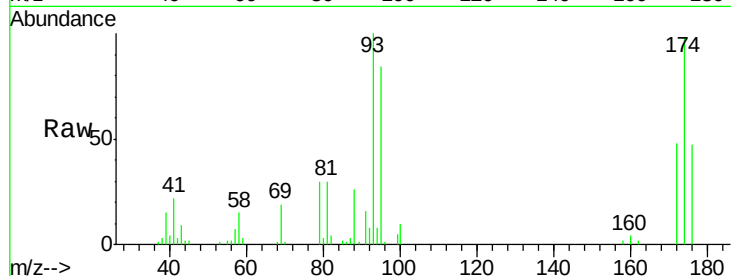




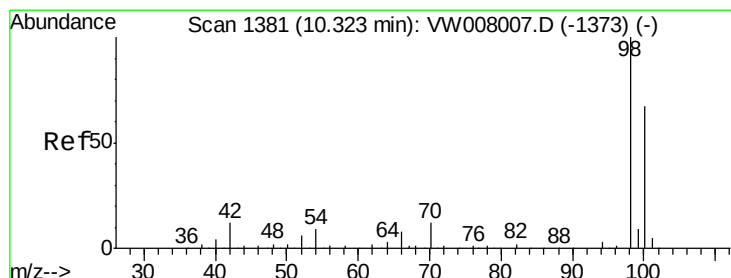
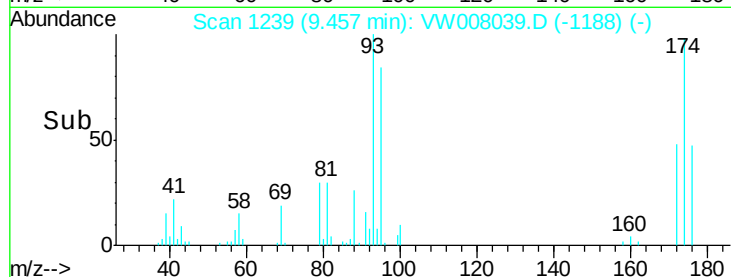
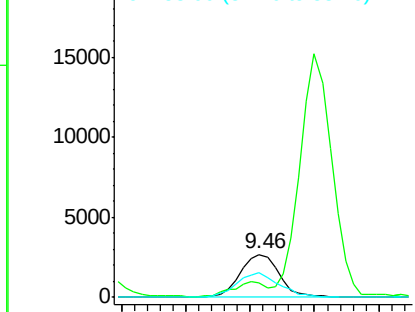
#49
1,4-Dioxane
Concen: 923.127 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 5635
Ion Ratio Lower Upper
88 100
43 31.4 26.8 40.2
58 62.3 55.8 83.6

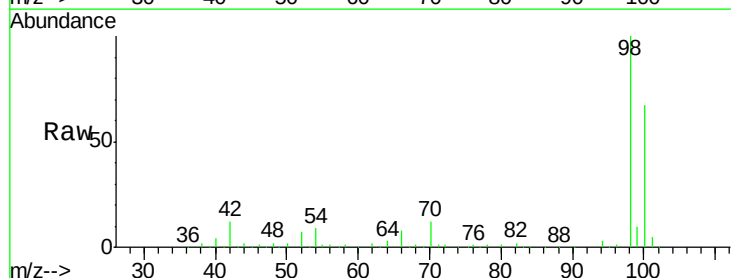


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

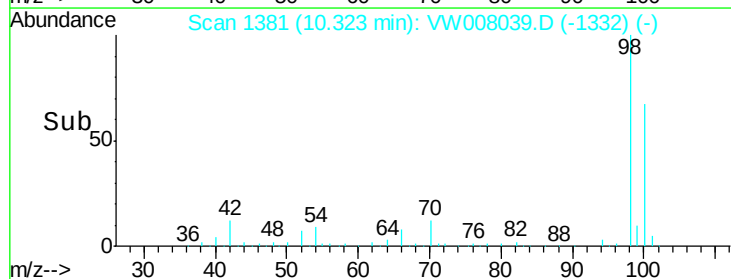
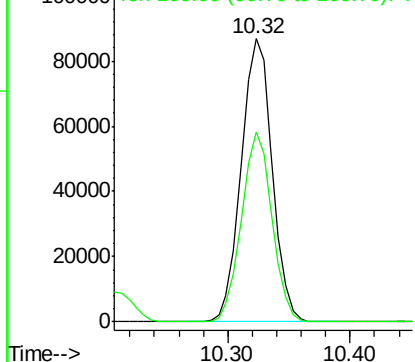


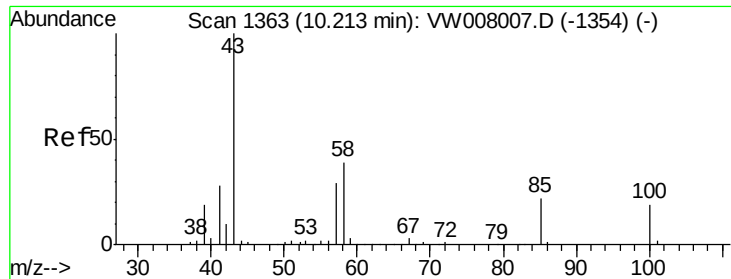
#50
Toluene-d8
Concen: 51.591 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 98 Resp: 152808
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 241.320 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

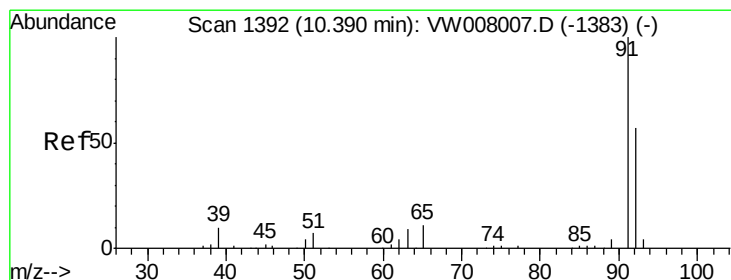
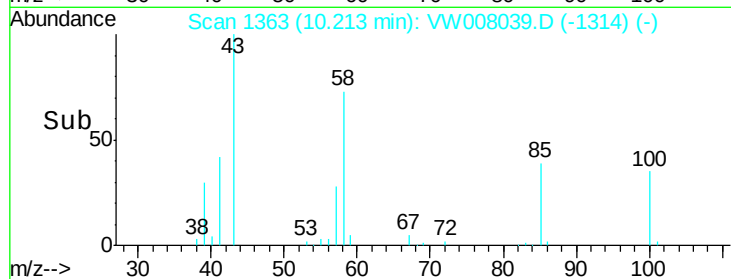
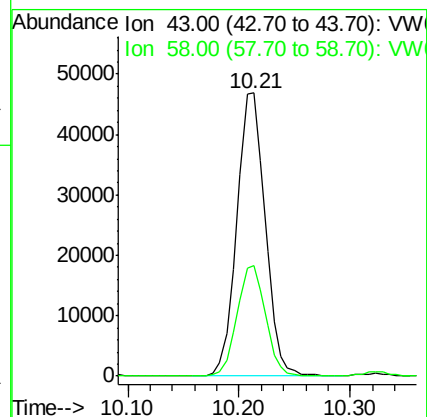
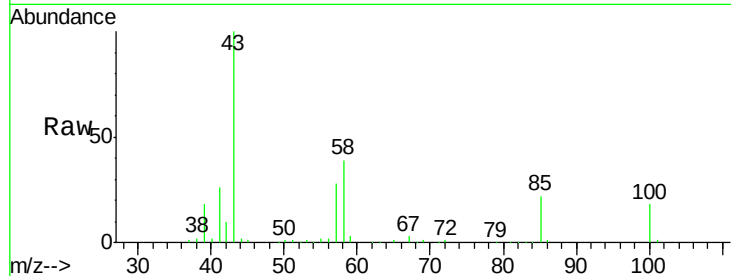
VSTDCCC050

Tot Ion: 43 Resp: 82834

Ion Ratio Lower Upper

43 100

58 39.0 32.0 48.0



#52

Toluene

Concen: 49.311 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008039.D

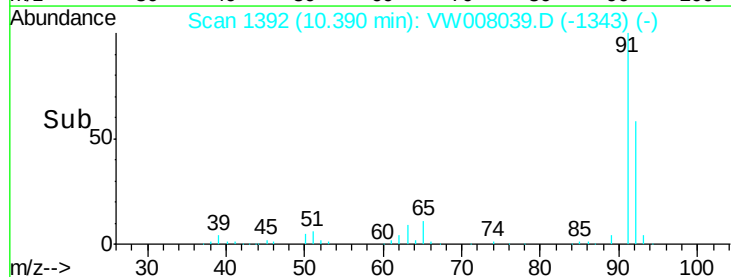
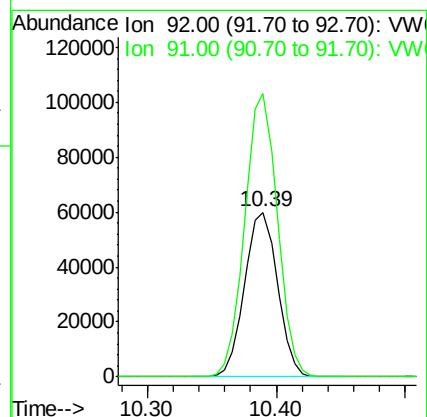
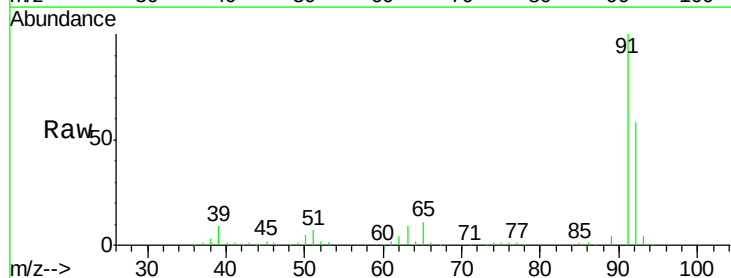
Acq: 04 Jan 2019 11:06

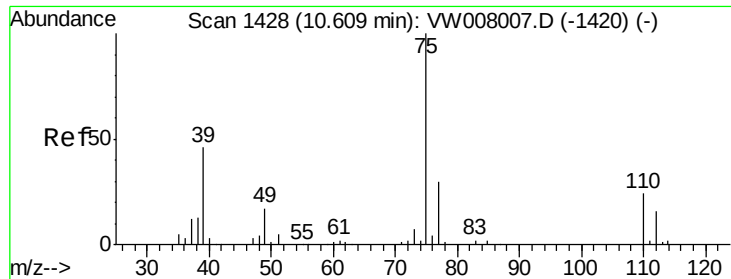
Tgt Ion: 92 Resp: 106108

Ion Ratio Lower Upper

92 100

91 170.1 136.9 205.3

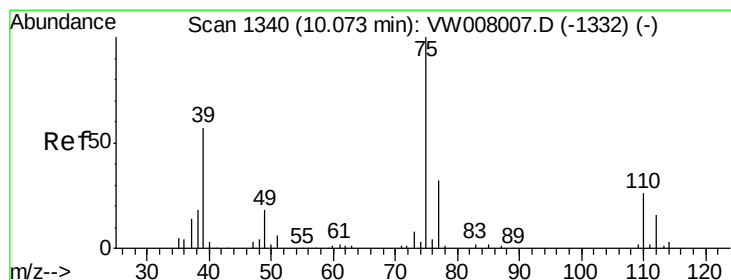
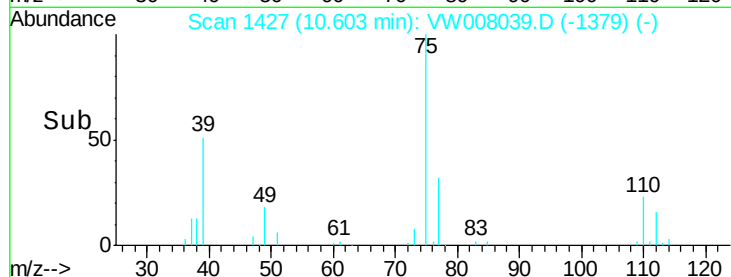
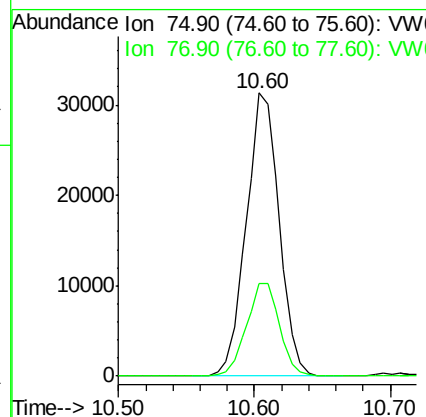
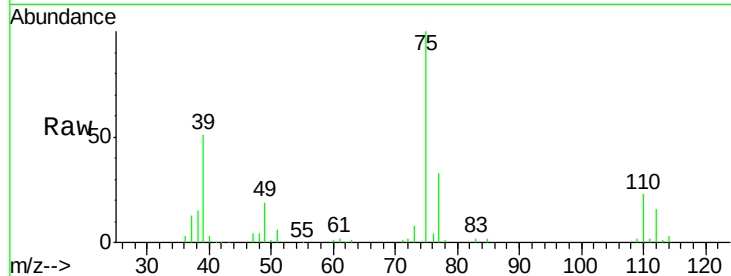




#53
t-1,3-Dichloropropene
Concen: 47.723 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

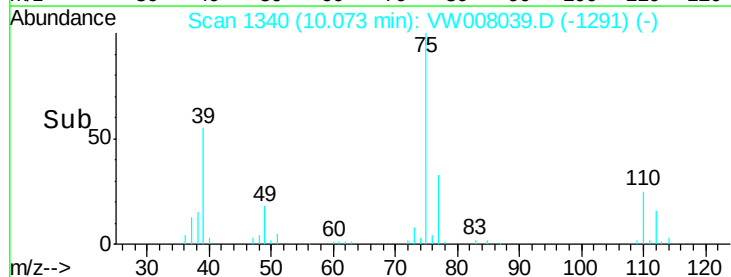
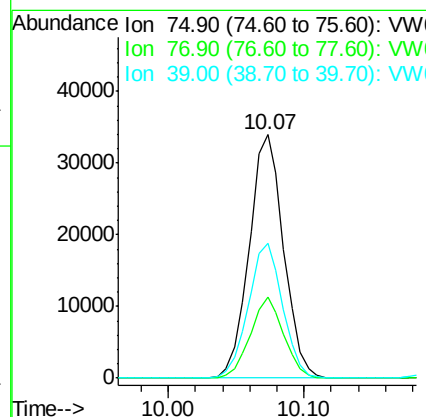
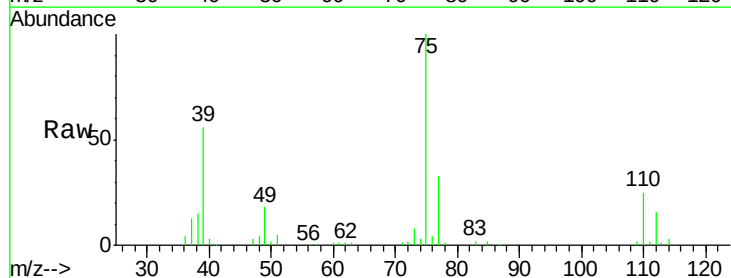
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

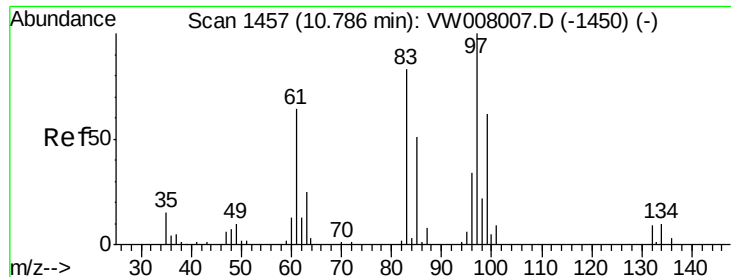
Tot Ion: 75 Resp: 53018
Ion Ratio Lower Upper
75 100
77 32.6 24.0 36.0



#54
cis-1,3-Dichloropropene
Concen: 48.411 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 75 Resp: 60015
Ion Ratio Lower Upper
75 100
77 33.3 25.9 38.9
39 55.6 45.4 68.0

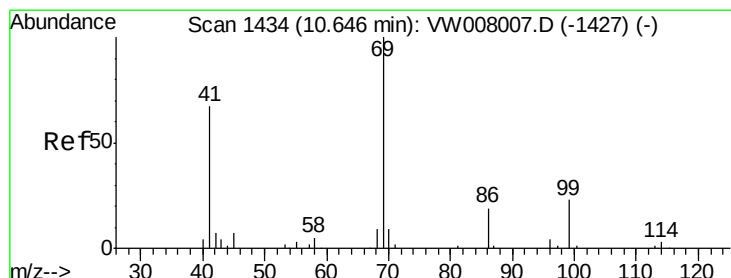
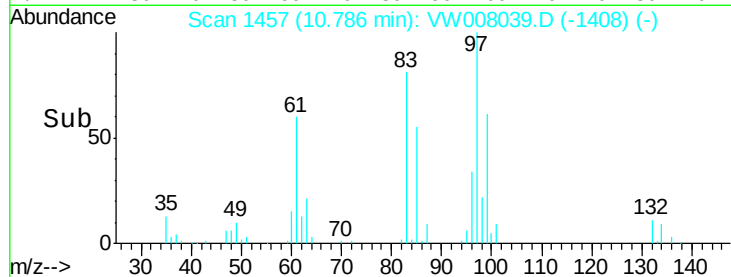
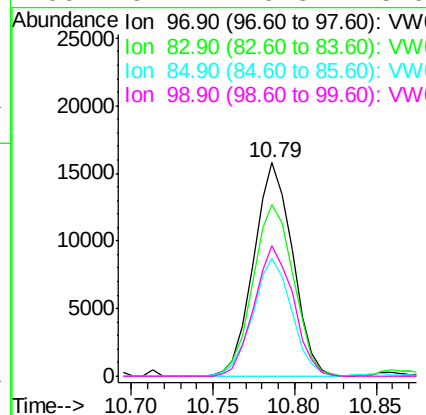
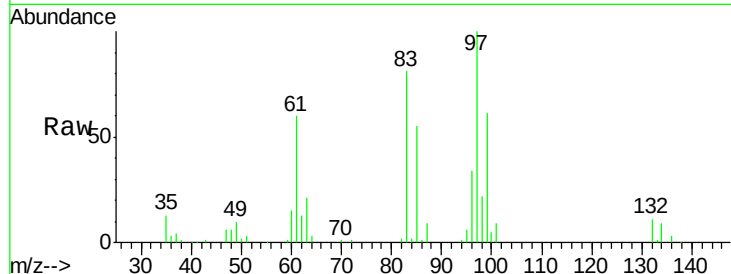




#55
 1,1,2-Trichloroethane
 Concen: 47.068 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

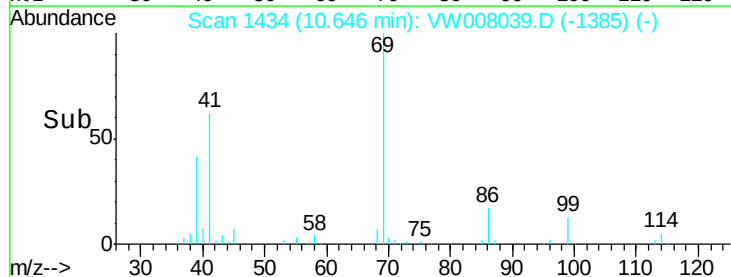
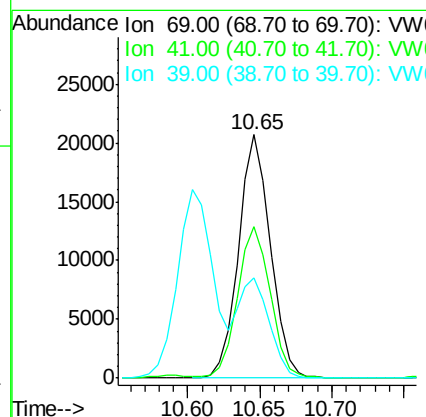
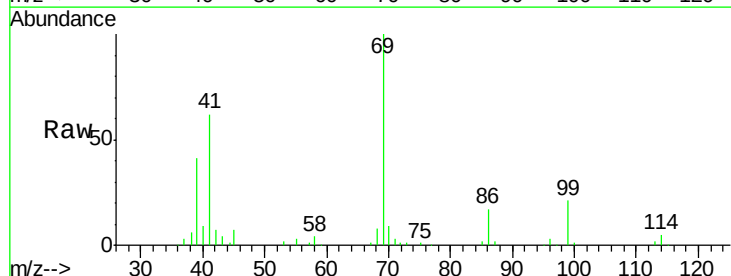
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

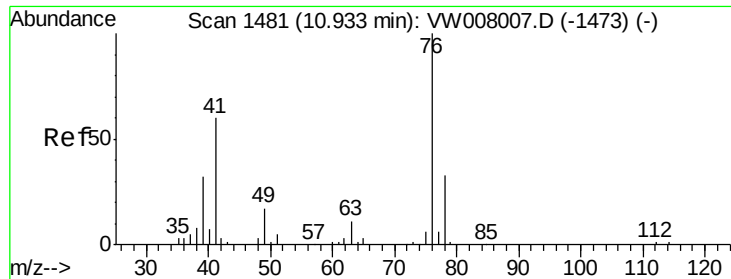
Tot Ion:	97	Resp:	26287
Ion	Ratio	Lower	Upper
97	100		
83	80.5	66.2	99.2
85	55.1	41.0	61.4
99	61.2	49.3	73.9



#56
 Ethyl methacrylate
 Concen: 50.529 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion:	69	Resp:	31903
Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.6	79.0
39	40.8	35.8	53.6





#57

1,3-Dichloropropane

Concen: 45.536 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

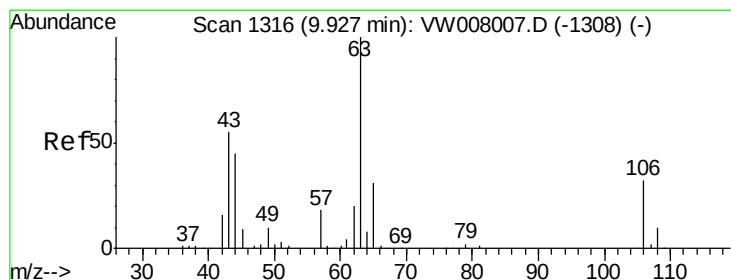
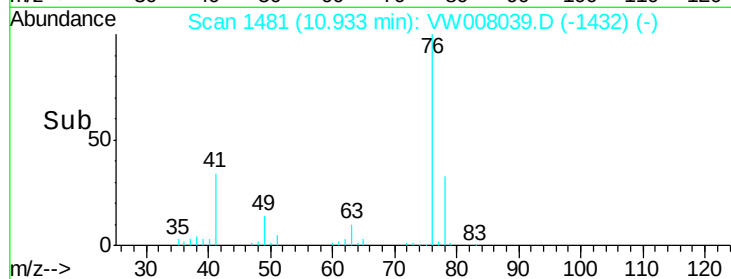
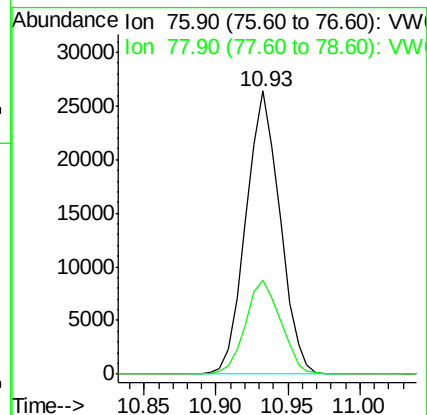
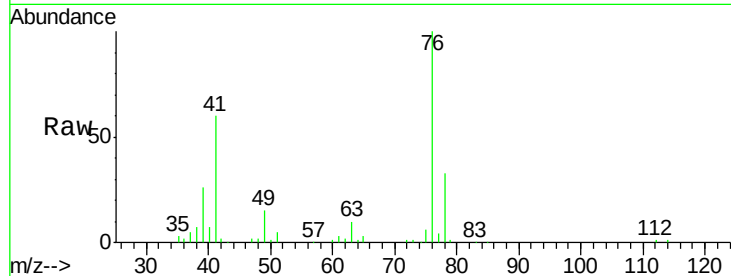
VSTDCCC050

Tot Ion: 76 Resp: 43213

Ion Ratio Lower Upper

76 100

78 34.1 26.7 40.1



#58

2-Chloroethyl Vinyl ether

Concen: 252.422 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW008039.D

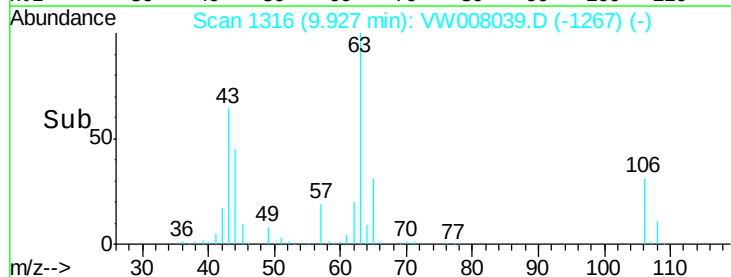
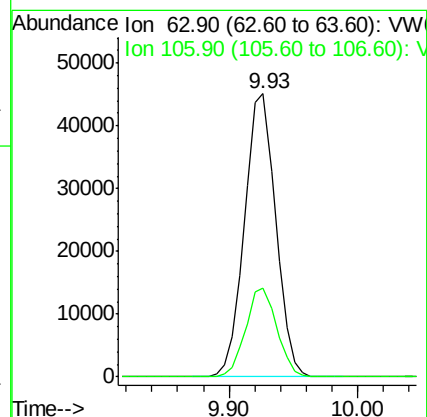
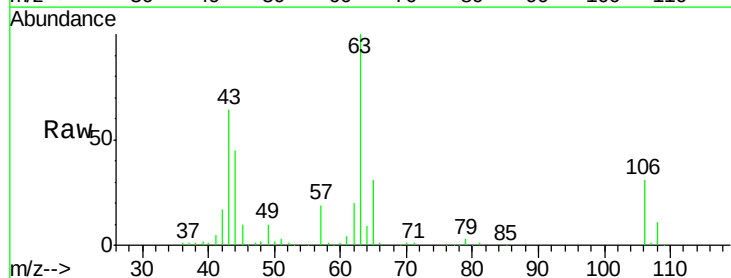
Acq: 04 Jan 2019 11:06

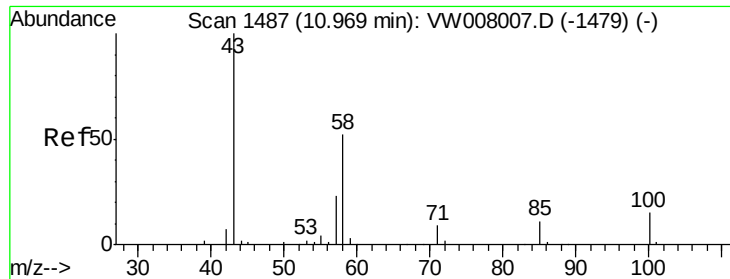
Tgt Ion: 63 Resp: 75584

Ion Ratio Lower Upper

63 100

106 31.2 26.9 40.3





#59

2-Hexanone

Concen: 255.323 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

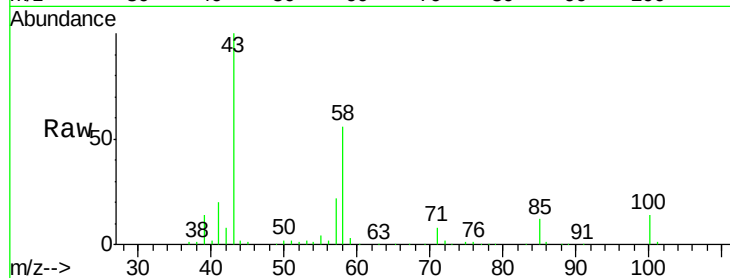
VSTDCCC050

Tot Ion: 43 Resp: 60503

Ion Ratio Lower Upper

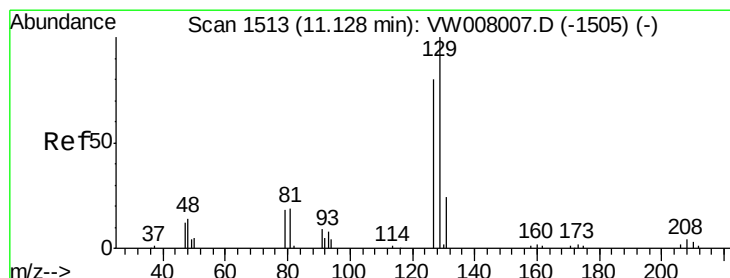
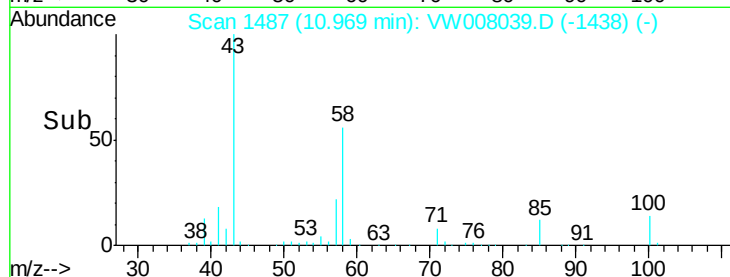
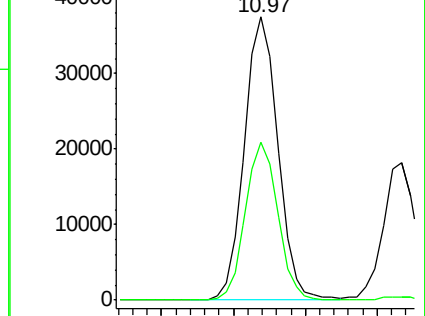
43 100

58 53.8 27.1 81.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 46.544 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008039.D

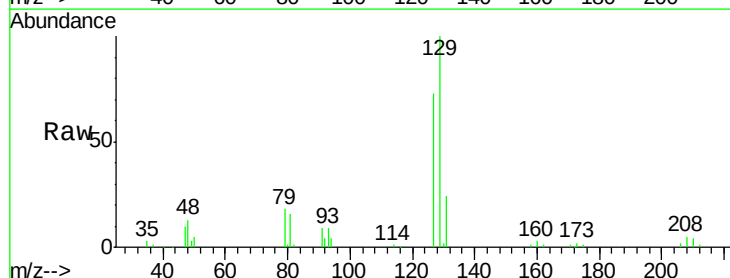
Acq: 04 Jan 2019 11:06

Tgt Ion: 129 Resp: 35582

Ion Ratio Lower Upper

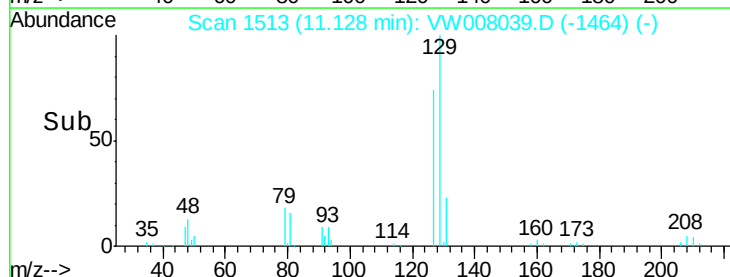
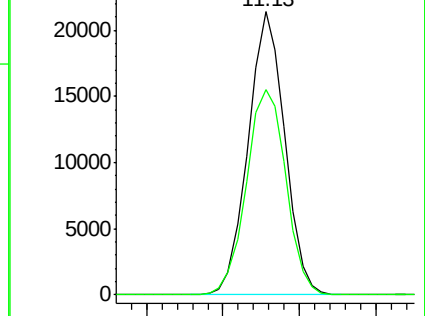
129 100

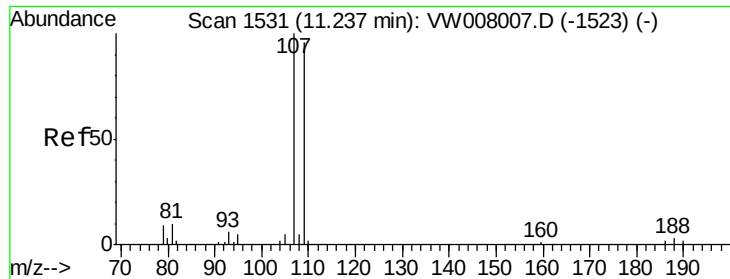
127 78.3 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

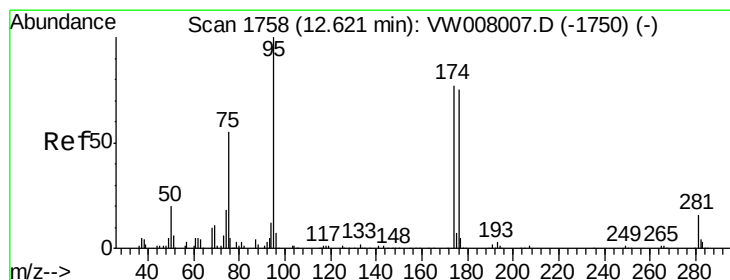
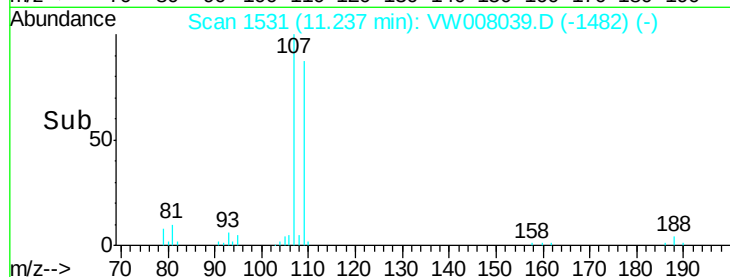
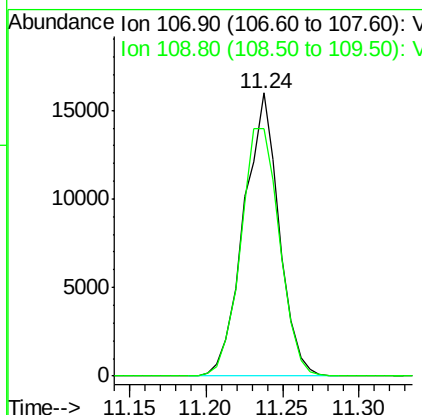
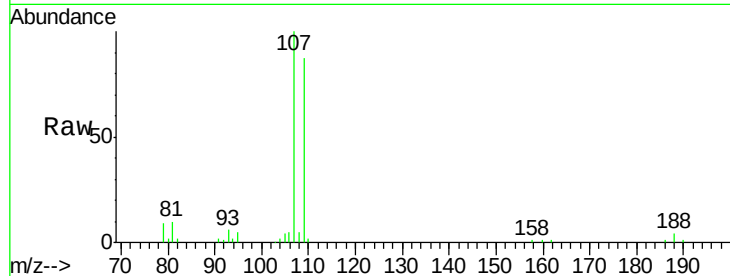




#61
 1,2-Dibromoethane
 Concen: 45.538 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

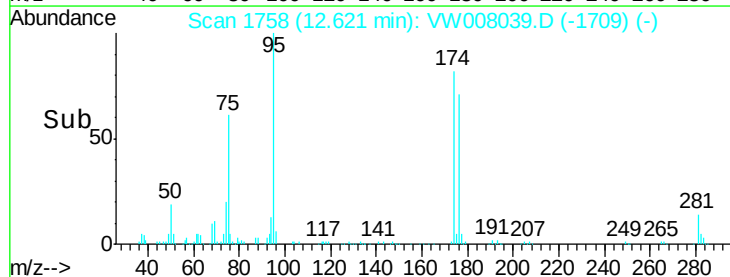
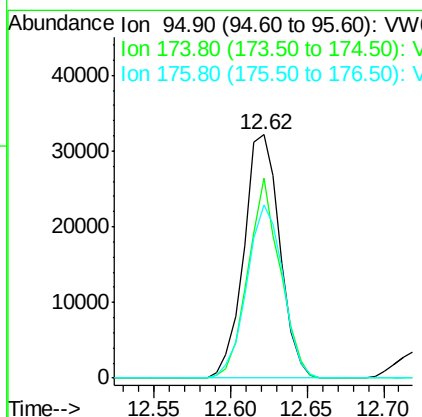
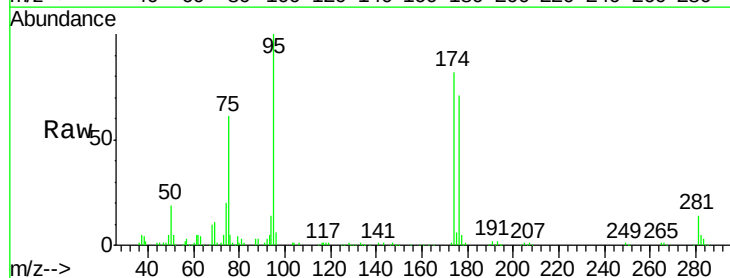
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

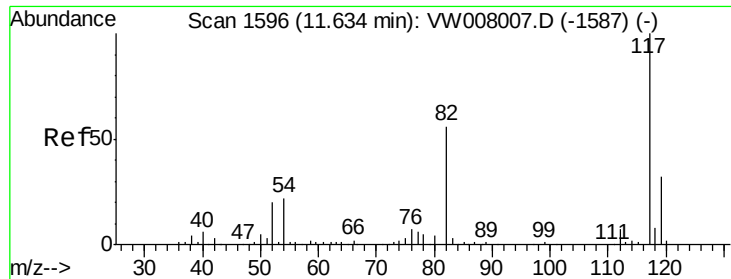
Tot Ion: 107 Resp: 25451
 Ion Ratio Lower Upper
 107 100
 109 96.7 77.2 115.8



#62
 4-Bromofluorobenzene
 Concen: 46.183 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion: 95 Resp: 52460
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 149.6
 176 71.7 0.0 145.4

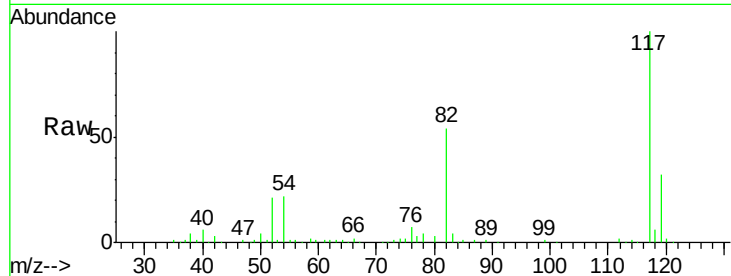




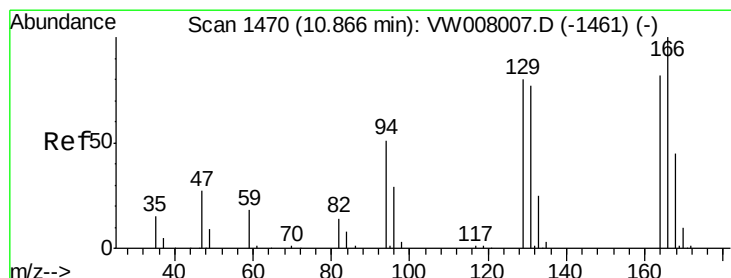
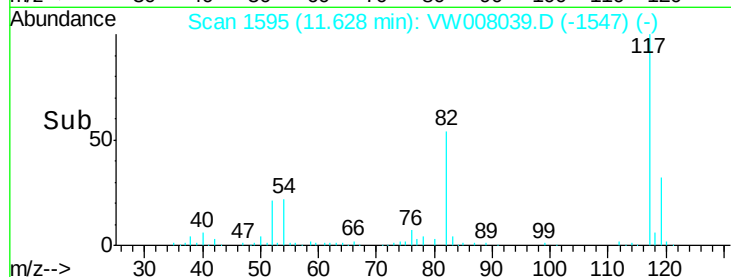
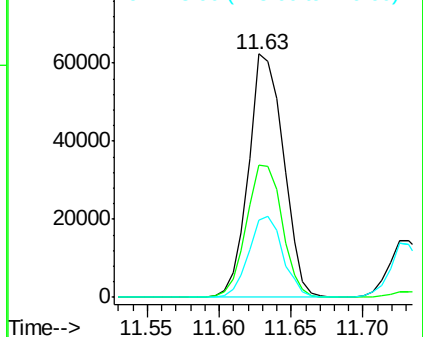
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 104739
Ion Ratio Lower Upper
117 100
82 54.3 44.8 67.2
119 31.7 25.6 38.4

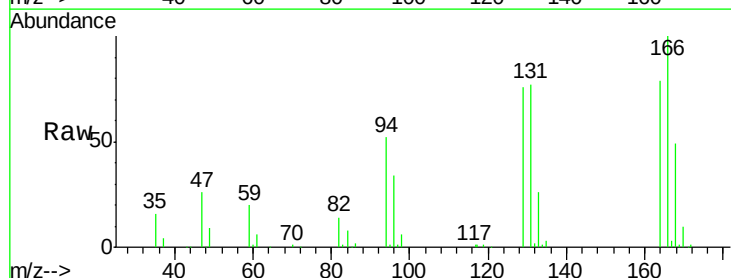


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

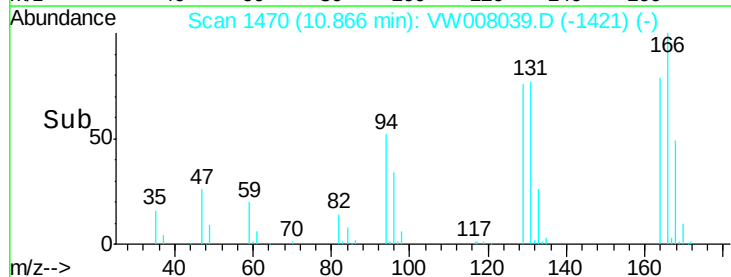
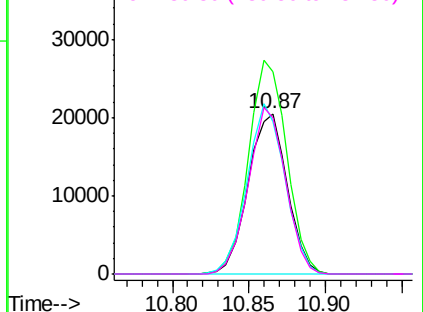


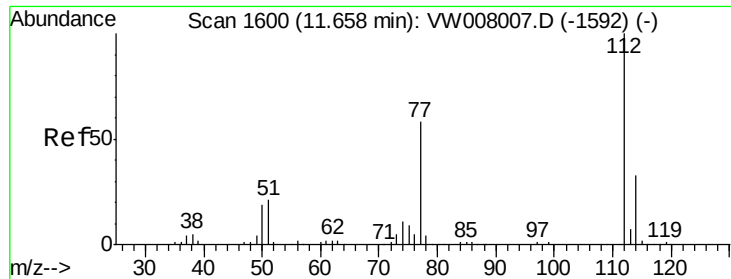
#64
Tetrachloroethene
Concen: 50.335 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion:164 Resp: 36417
Ion Ratio Lower Upper
164 100
166 126.2 98.1 147.1
129 95.3 78.0 117.0
131 97.3 75.8 113.8



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

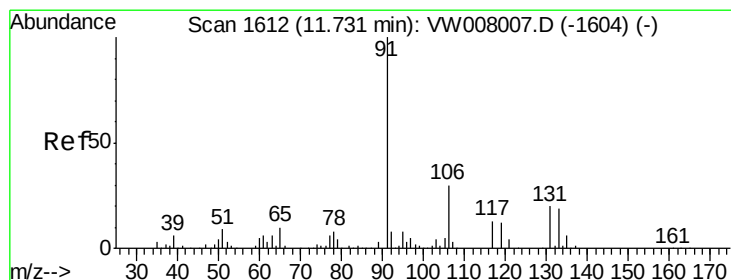
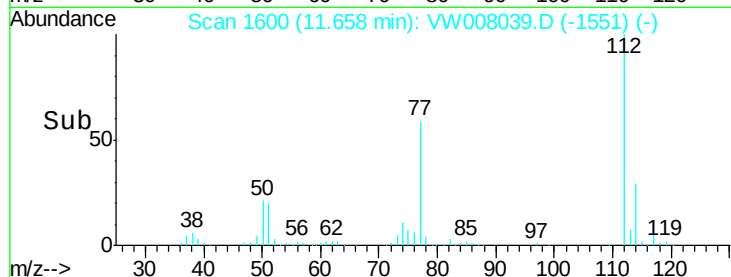
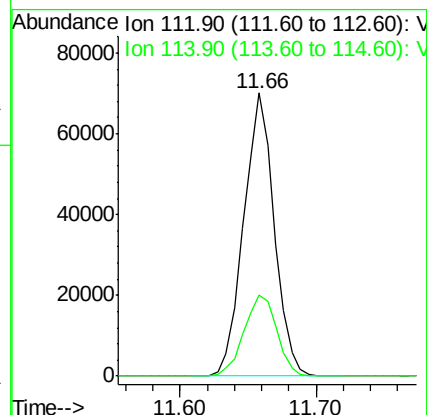
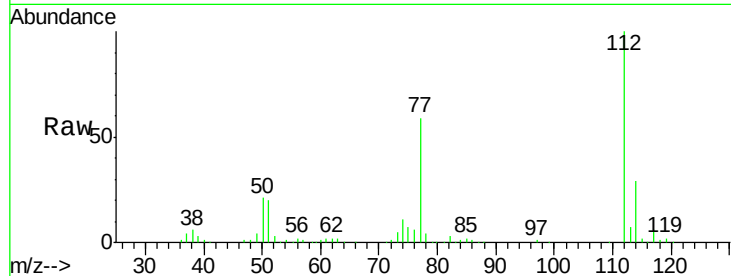




#65
Chlorobenzene
Concen: 48.945 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

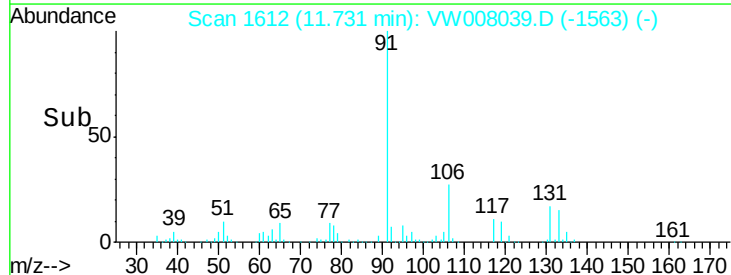
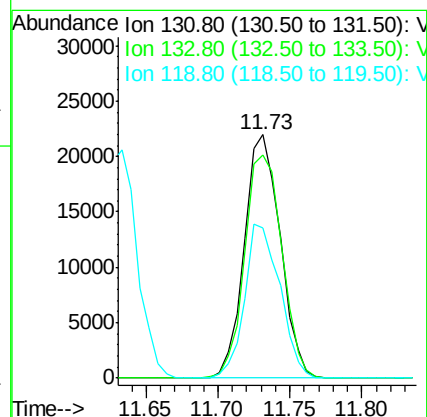
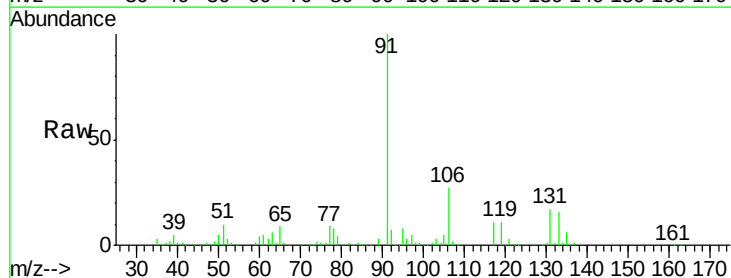
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

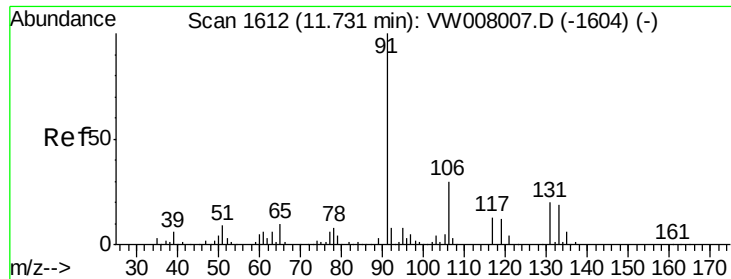
Tot Ion:112 Resp: 109563
Ion Ratio Lower Upper
112 100
114 28.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 46.667 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion:131 Resp: 37830
Ion Ratio Lower Upper
131 100
133 95.5 49.1 147.3
119 62.2 30.6 91.6

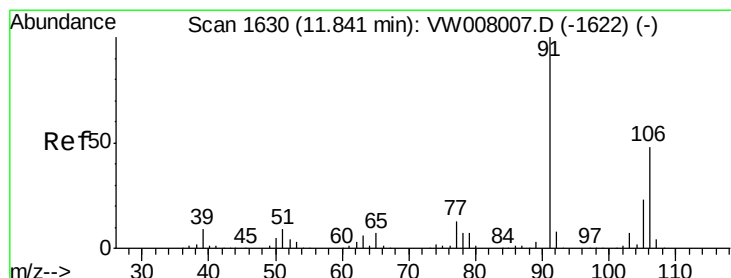
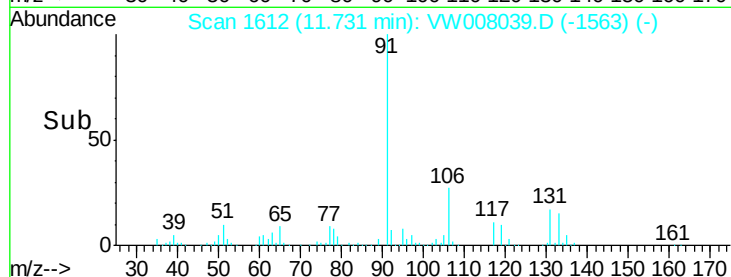
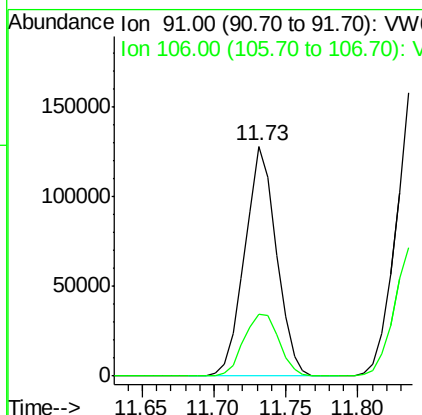
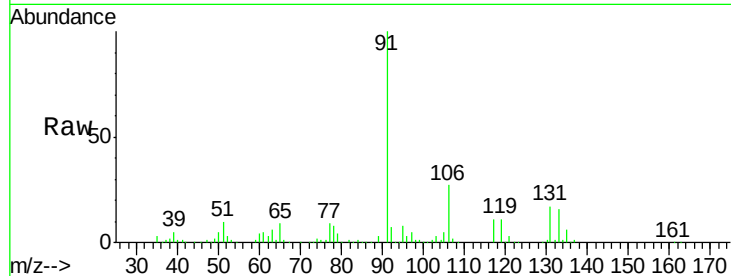




#67
Ethyl Benzene
Concen: 48.887 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

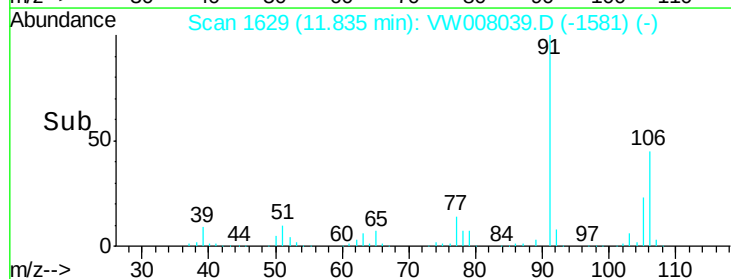
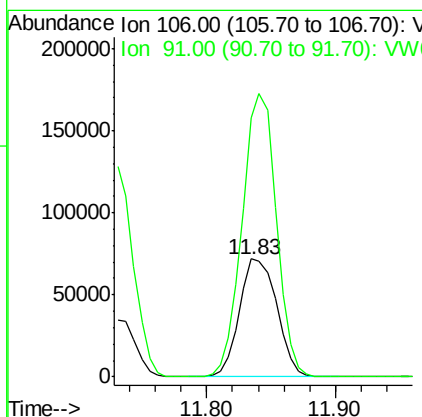
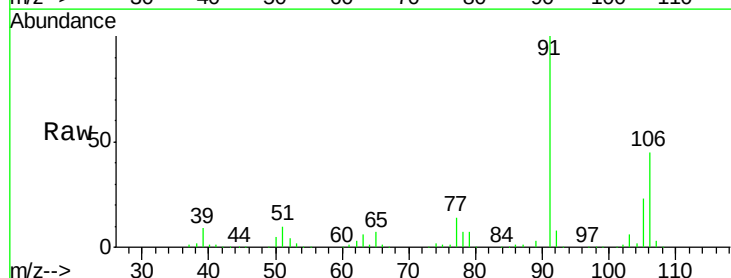
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

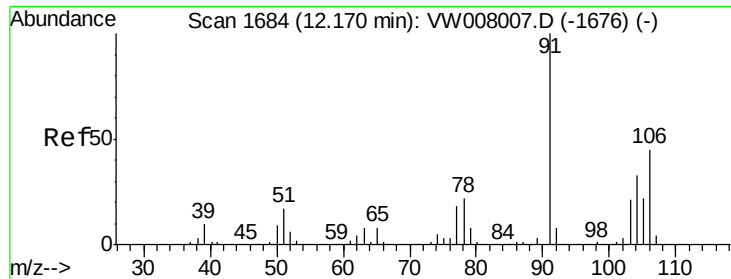
Tot Ion: 91 Resp: 194239
Ion Ratio Lower Upper
91 100
106 26.8 24.3 36.5



#68
m/p-Xylenes
Concen: 93.913 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 106 Resp: 144259
Ion Ratio Lower Upper
106 100
91 219.7 165.8 248.8

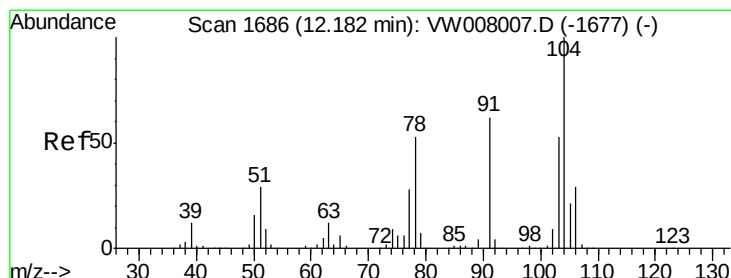
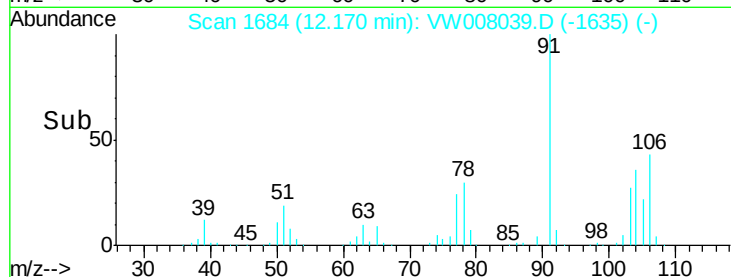
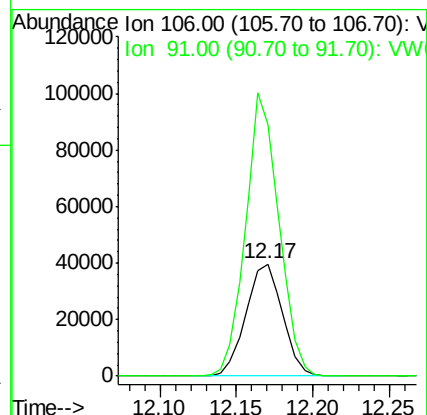
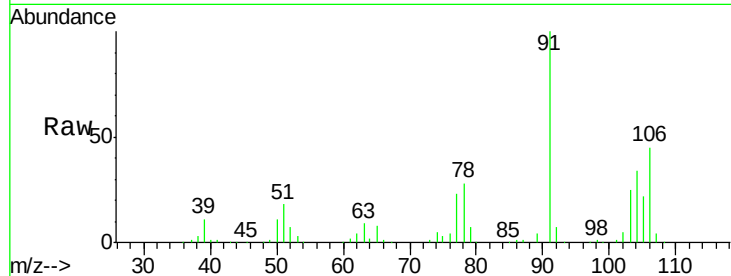




#69
o-Xylene
Concen: 46.086 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

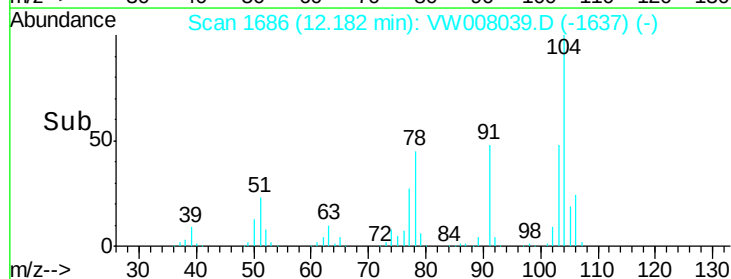
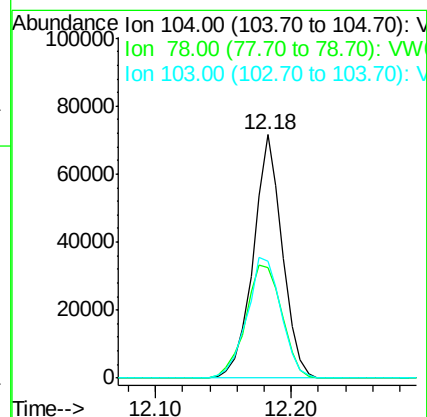
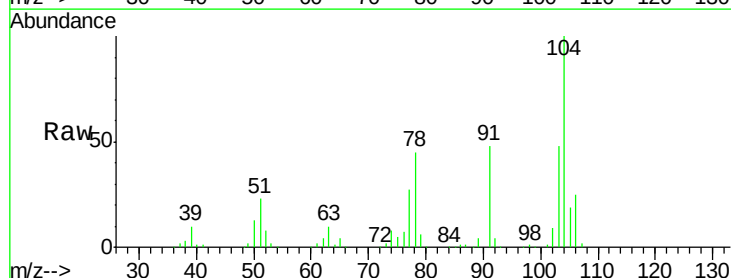
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

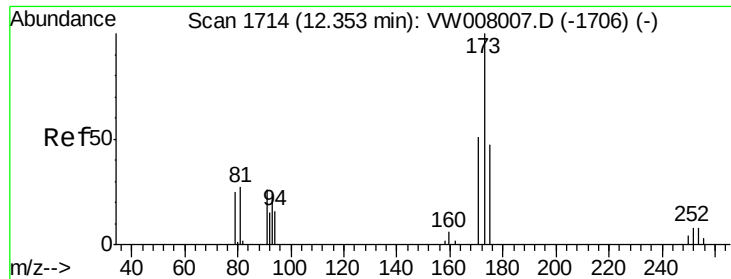
Tot Ion:106 Resp: 65872
Ion Ratio Lower Upper
106 100
91 229.5 110.6 331.6



#70
Styrene
Concen: 45.800 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion:104 Resp: 106699
Ion Ratio Lower Upper
104 100
78 58.2 44.0 66.0
103 58.2 44.6 66.8





#71

Bromoform

Concen: 46.551 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

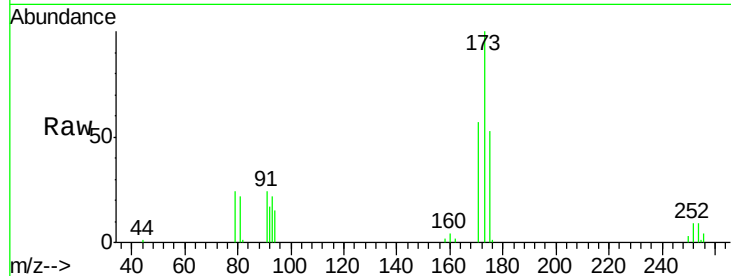
Tot Ion:173 Resp: 17483

Ion Ratio Lower Upper

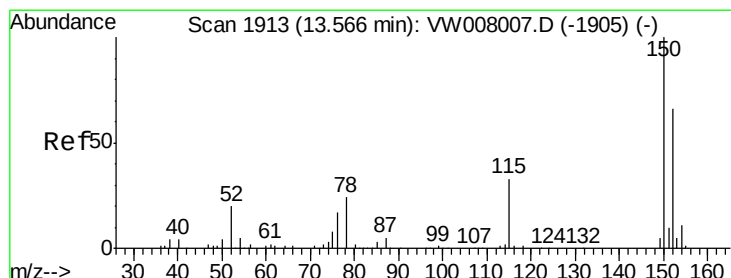
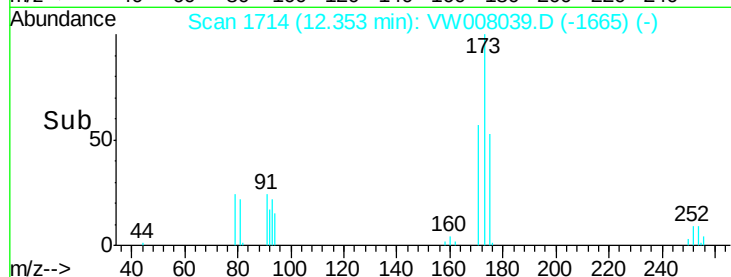
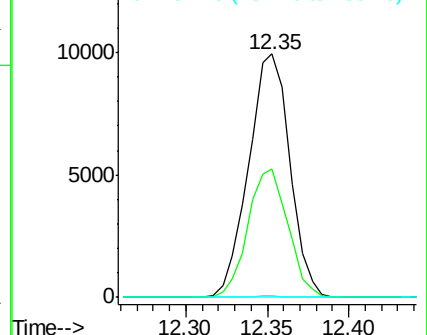
173 100

175 50.9 23.6 71.0

254 0.2 0.0 0.0#



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: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

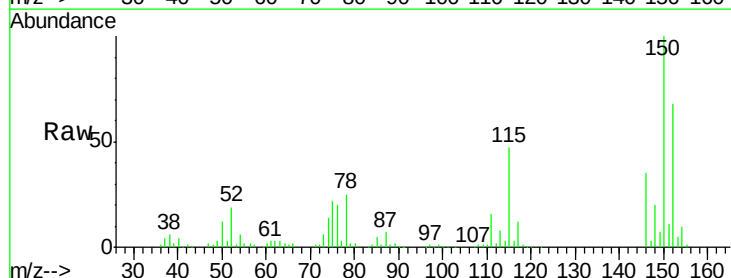
Tgt Ion:152 Resp: 49879

Ion Ratio Lower Upper

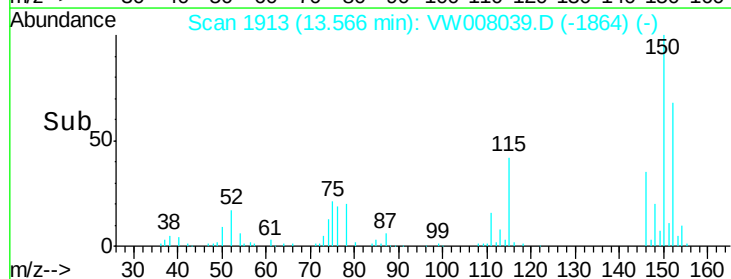
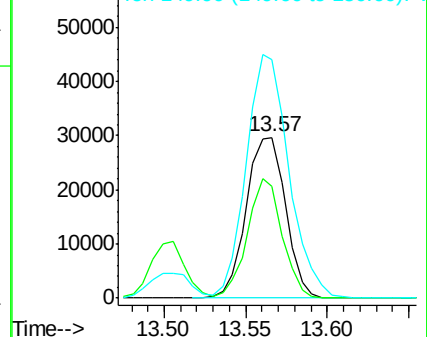
152 100

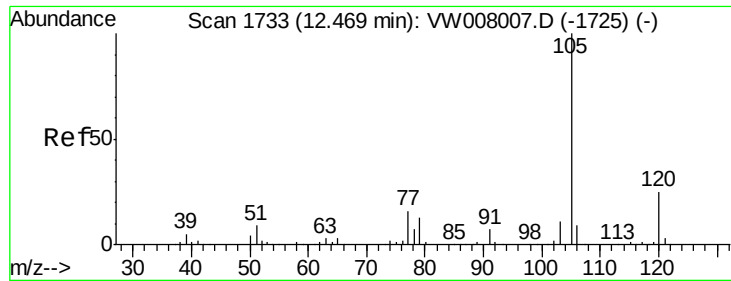
115 66.3 32.1 96.5

150 164.0 0.0 345.0



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: 52.168 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

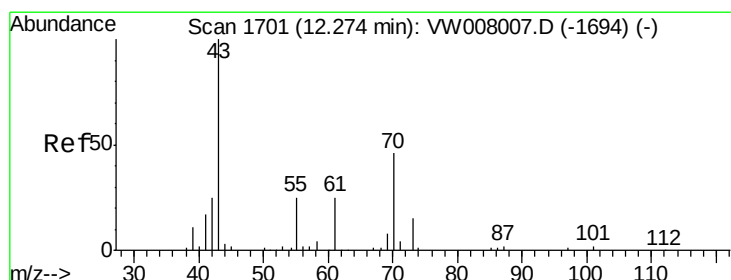
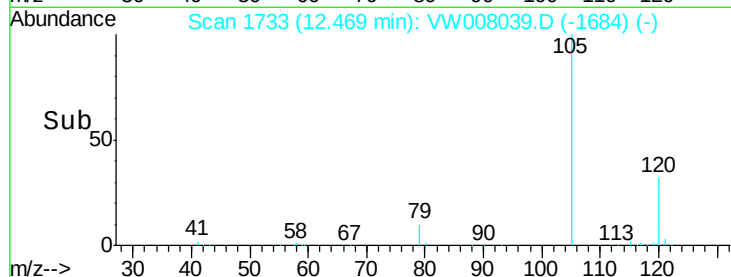
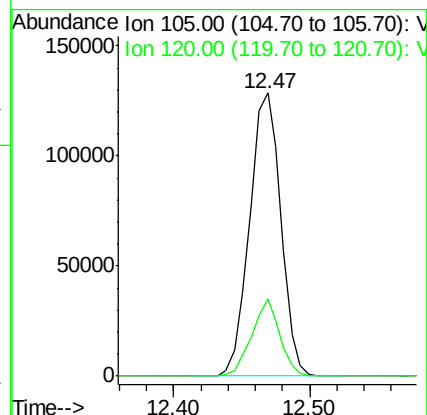
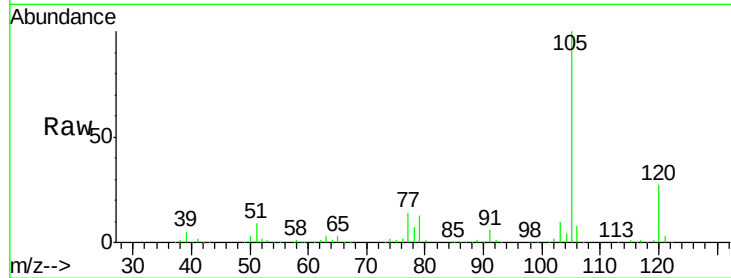
VSTDCCC050

Tot Ion:105 Resp: 206913

Ion Ratio Lower Upper

105 100

120 24.5 12.8 38.3



#74

N-ethyl acetate

Concen: 45.159 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Tgt Ion: 43 Resp: 27881

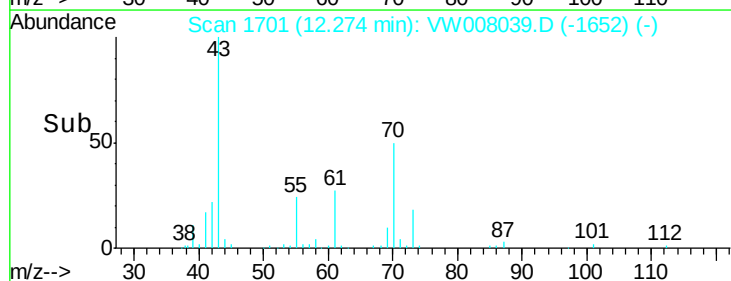
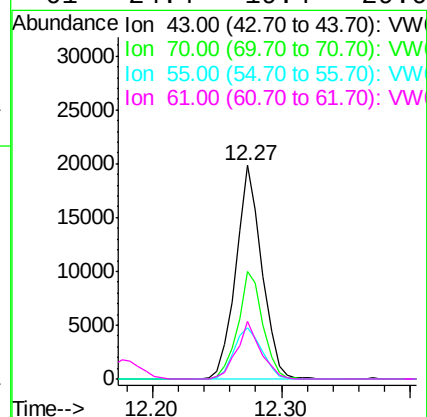
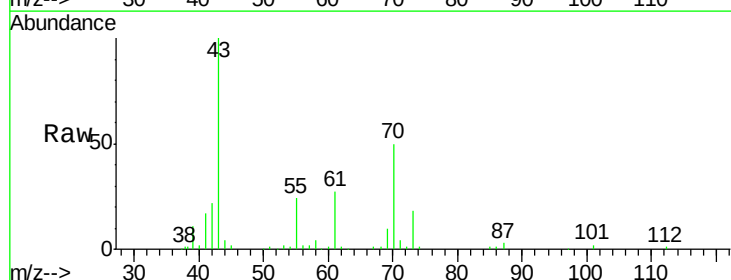
Ion Ratio Lower Upper

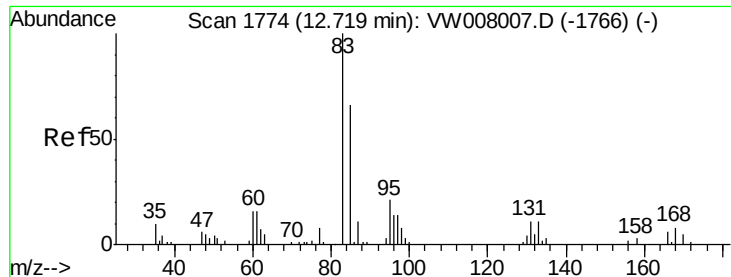
43 100

70 48.0 35.2 52.8

55 26.1 21.4 32.0

61 24.4 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.338 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

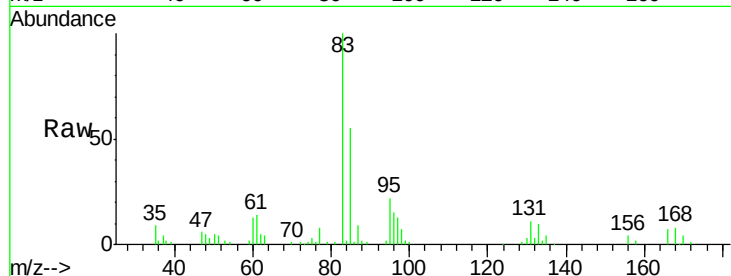
Tot Ion: 83 Resp: 26413

Ion Ratio Lower Upper

83 100

131 11.6 6.5 19.5

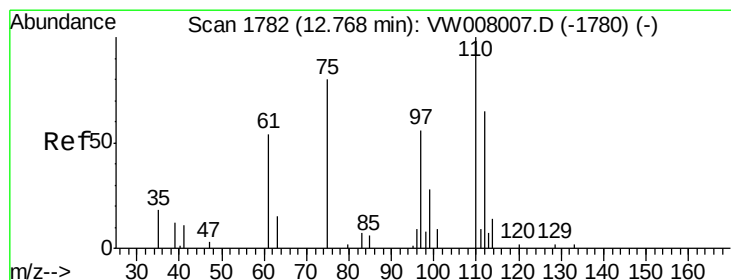
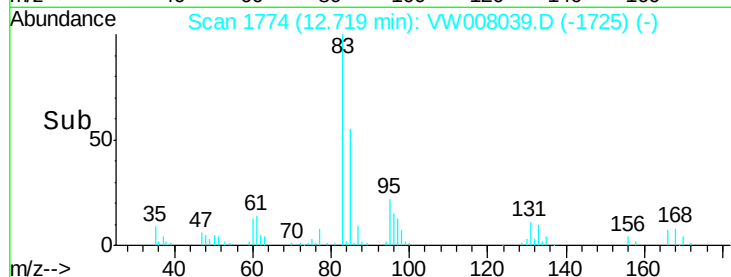
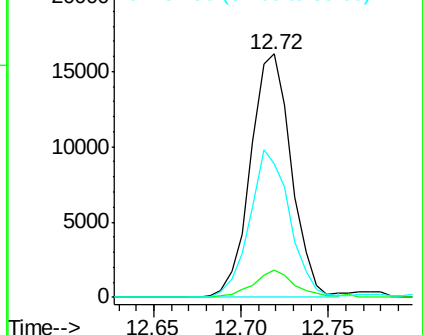
85 59.4 32.8 98.3



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: 42.428 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.02 min

Lab File: VW008039.D

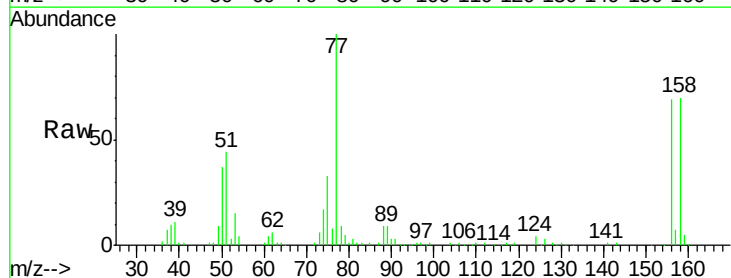
Acq: 04 Jan 2019 11:06

Tgt Ion: 75 Resp: 16836

Ion Ratio Lower Upper

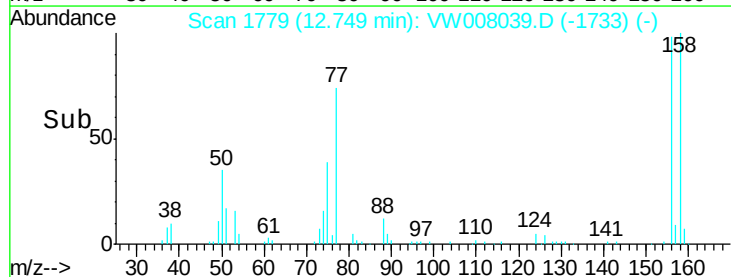
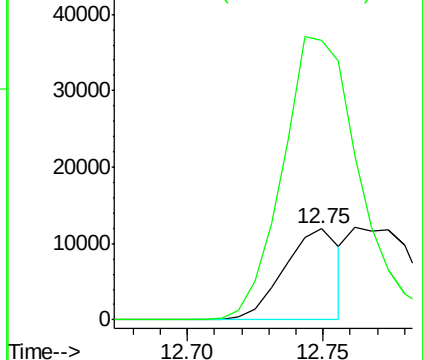
75 100

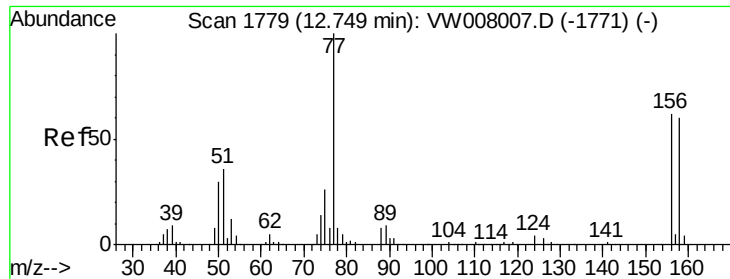
77 426.0 186.2 558.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 47.230 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

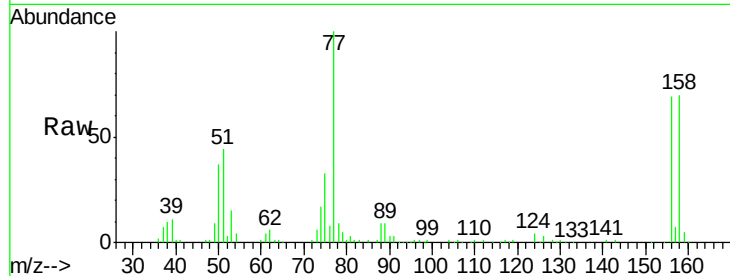
Tot Ion:156 Resp: 40264

Ion Ratio Lower Upper

156 100

77 178.1 87.9 263.8

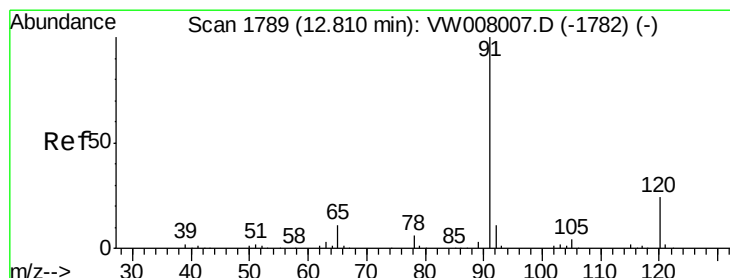
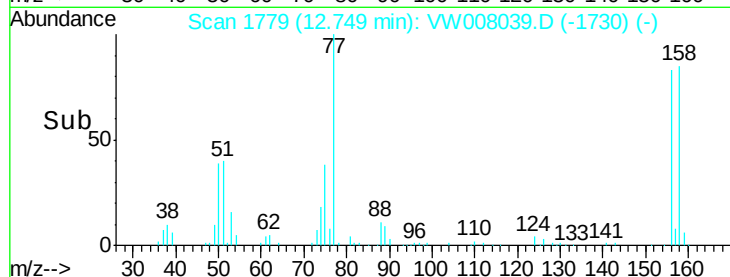
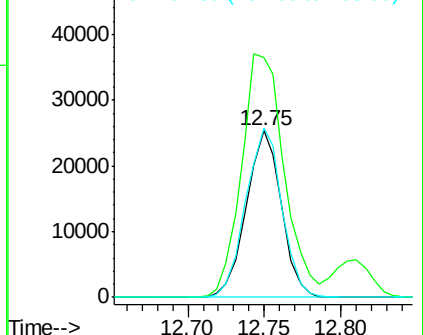
158 104.5 47.8 143.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.410 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008039.D

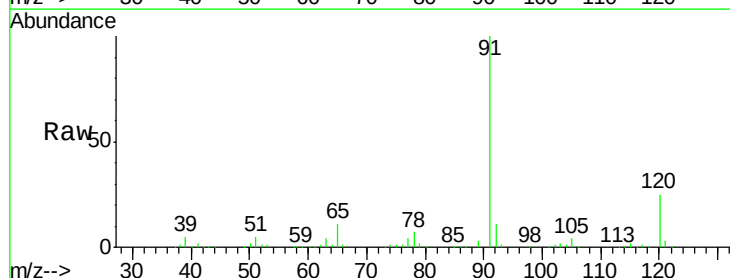
Acq: 04 Jan 2019 11:06

Tgt Ion: 91 Resp: 236411

Ion Ratio Lower Upper

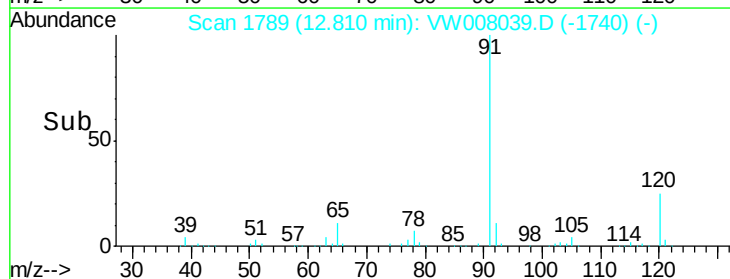
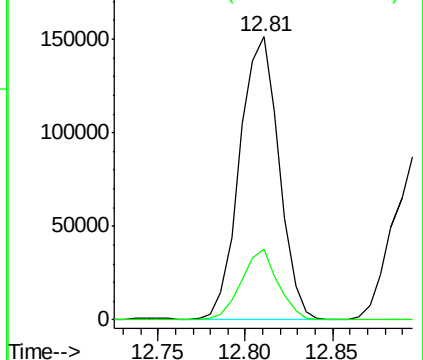
91 100

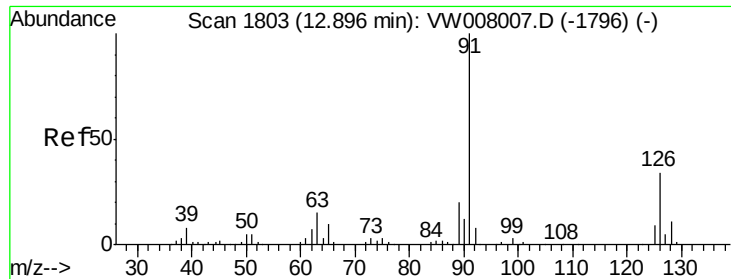
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

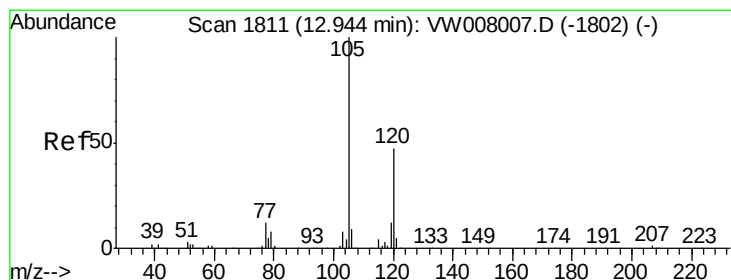
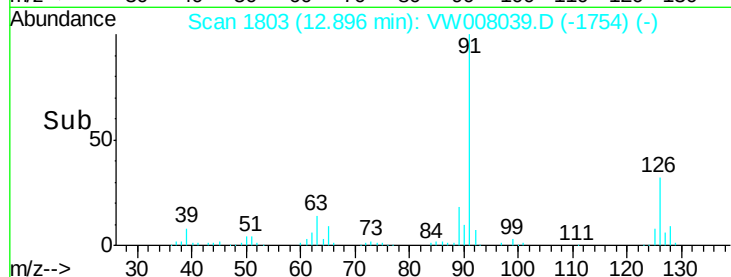
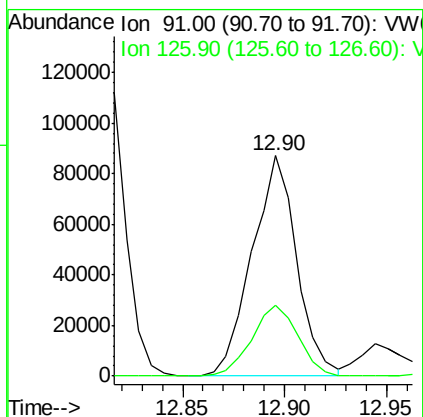
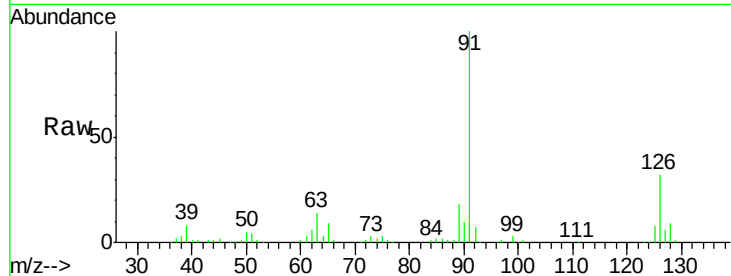




#79
2-Chlorotoluene
Concen: 50.032 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

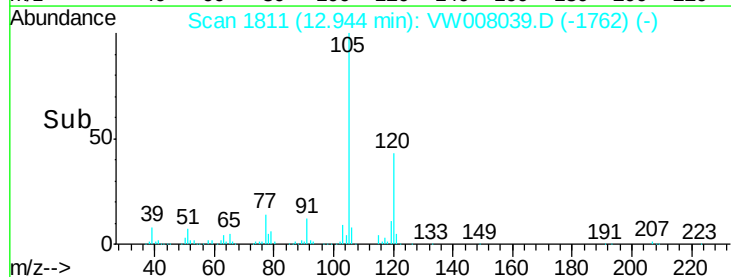
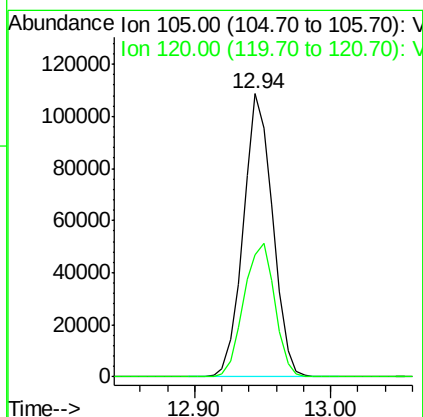
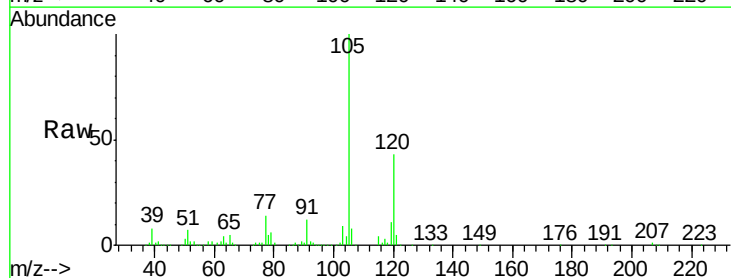
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

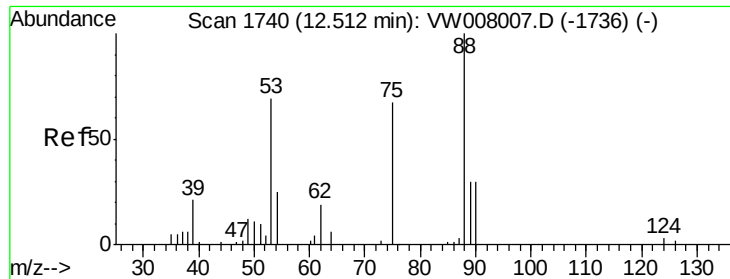
Tot Ion: 91 Resp: 132972
Ion Ratio Lower Upper
91 100
126 33.3 17.1 51.2



#80
1,3,5-Trimethylbenzene
Concen: 47.942 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion:105 Resp: 163676
Ion Ratio Lower Upper
105 100
120 50.0 23.3 69.9

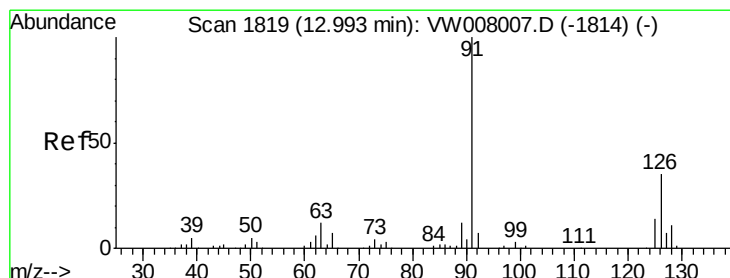
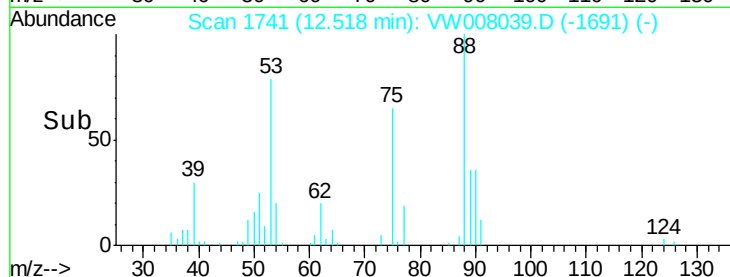
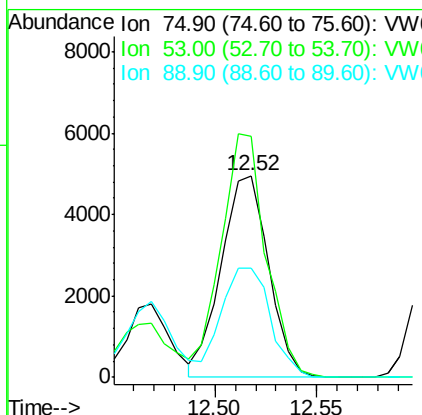
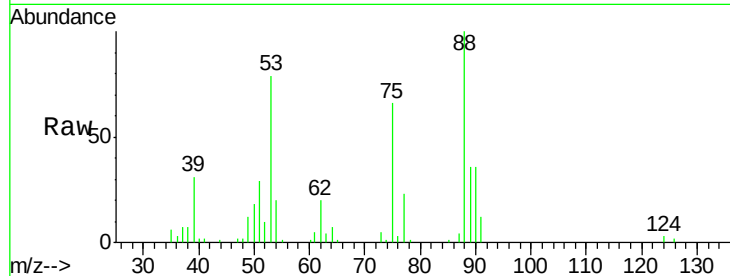




#81
trans-1,4-Dichloro-2-butene
Concen: 47.558 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

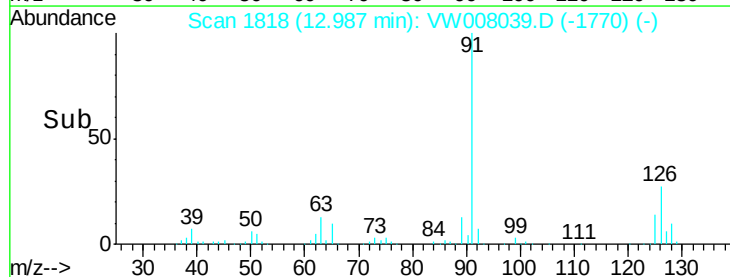
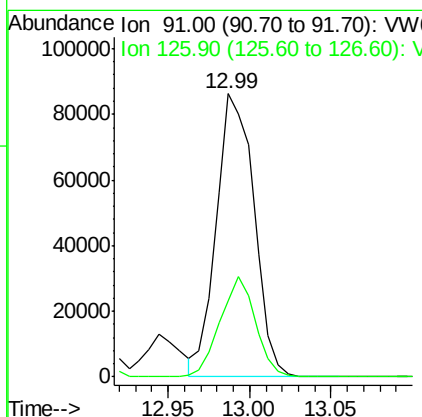
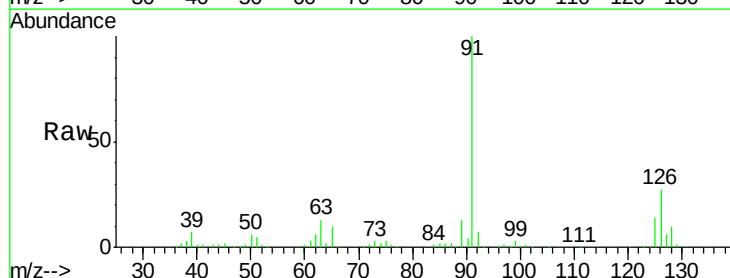
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

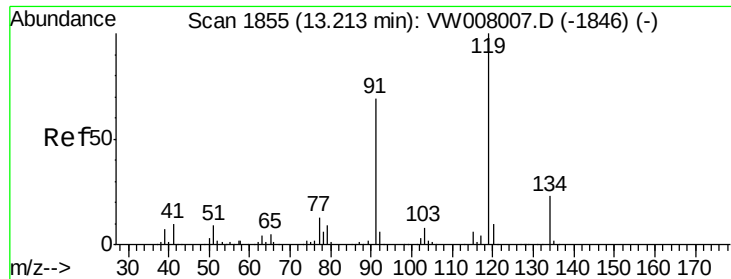
Tot Ion: 75 Resp: 7980
Ion Ratio Lower Upper
75 100
53 114.8 87.6 131.4
89 55.4 42.2 63.2



#82
4-Chlorotoluene
Concen: 49.216 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 91 Resp: 139087
Ion Ratio Lower Upper
91 100
126 33.3 16.7 50.1

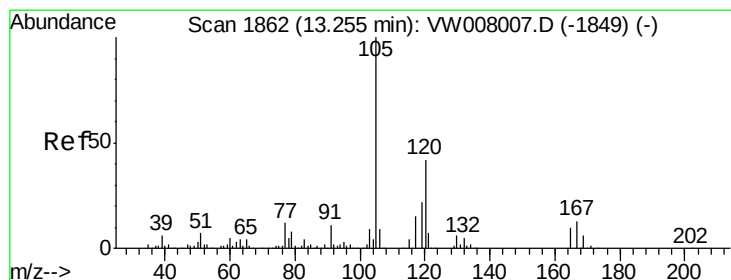
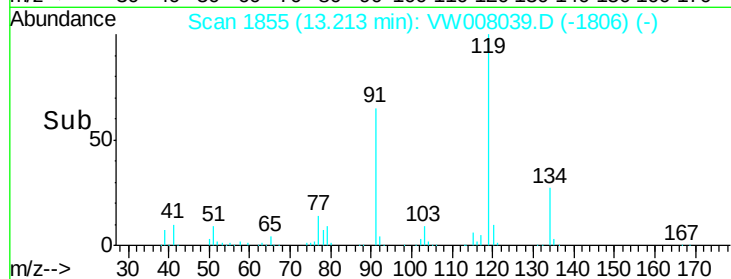
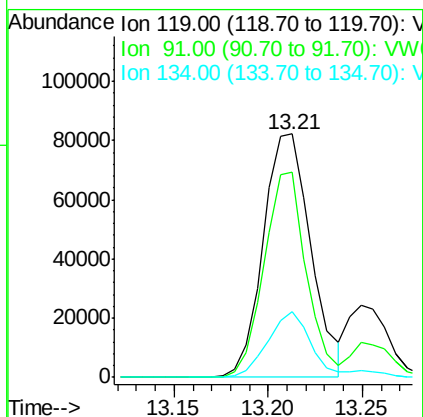
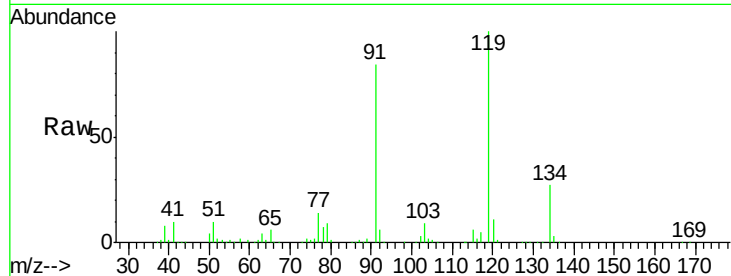




#83
tert-Butylbenzene
Concen: 48.292 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

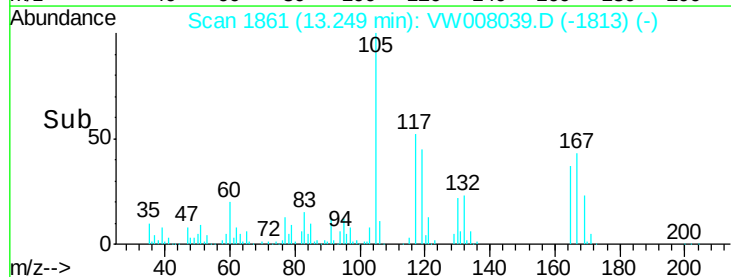
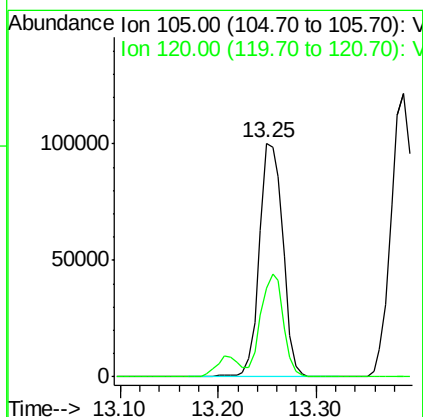
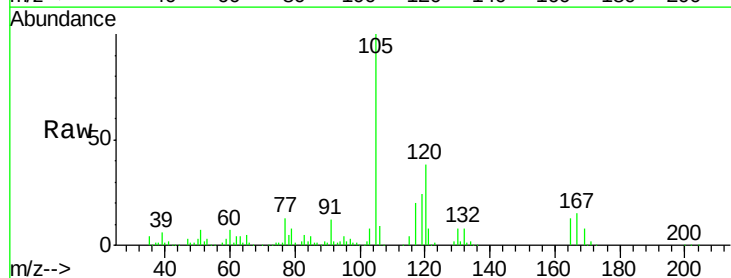
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

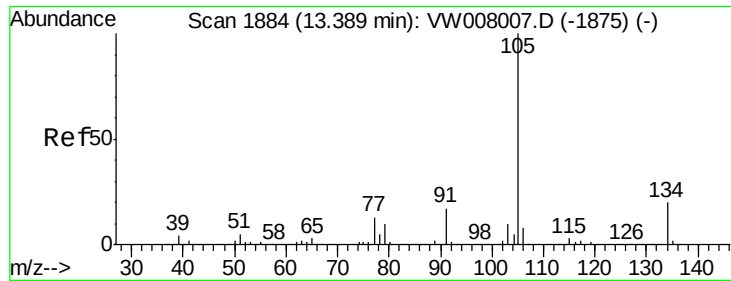
Tot Ion:119 Resp: 144247
Ion Ratio Lower Upper
119 100
91 74.8 34.7 104.1
134 26.1 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 48.694 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion:105 Resp: 168386
Ion Ratio Lower Upper
105 100
120 43.0 21.5 64.5

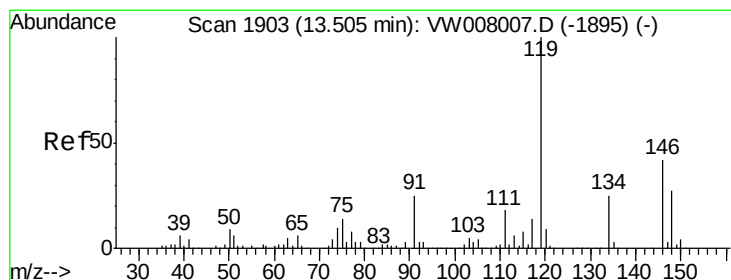
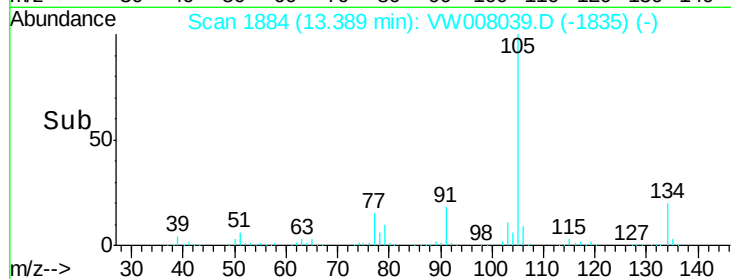
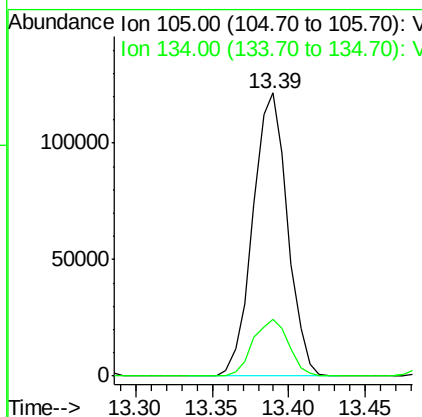
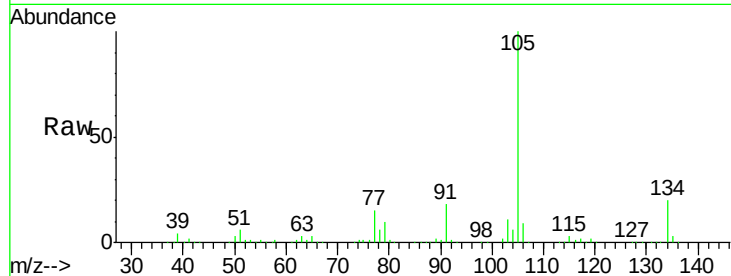




#85
 sec-Butylbenzene
 Concen: 46.710 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

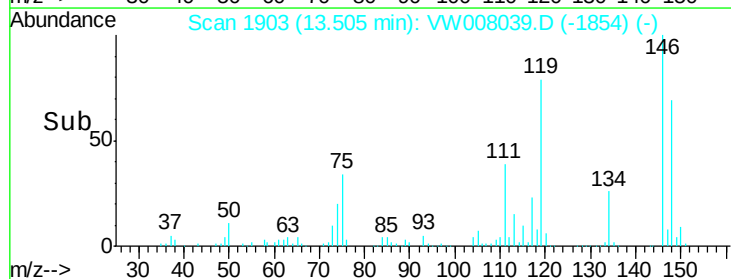
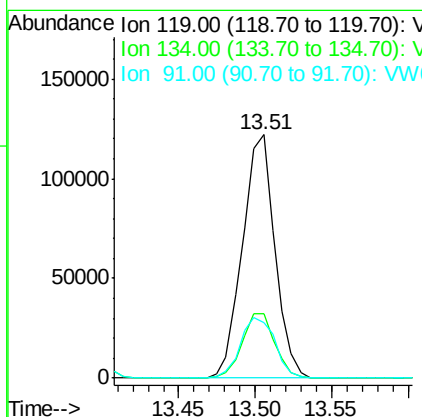
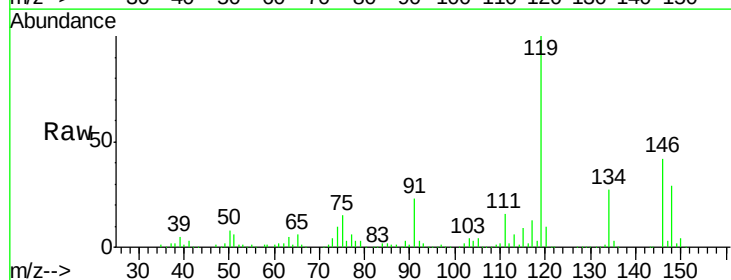
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

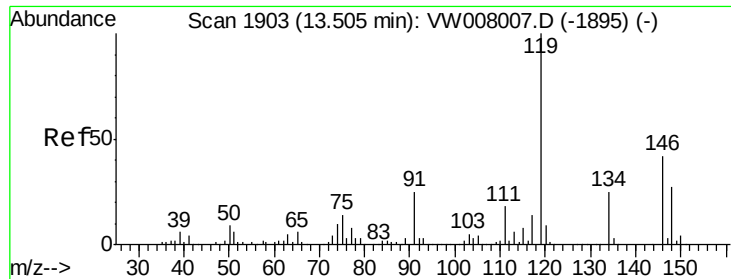
Tot Ion:105 Resp: 191930
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 48.545 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion:119 Resp: 179920
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.5 37.5
 91 26.7 13.1 39.3

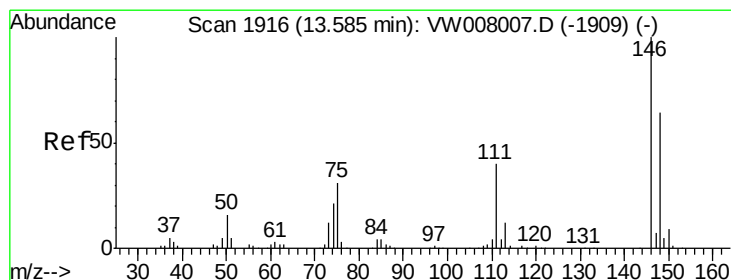
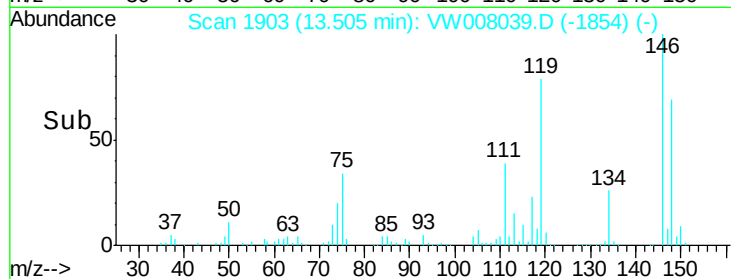
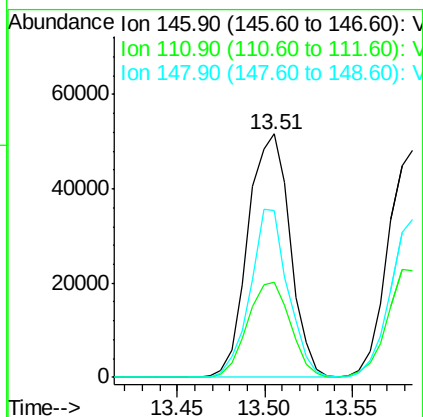
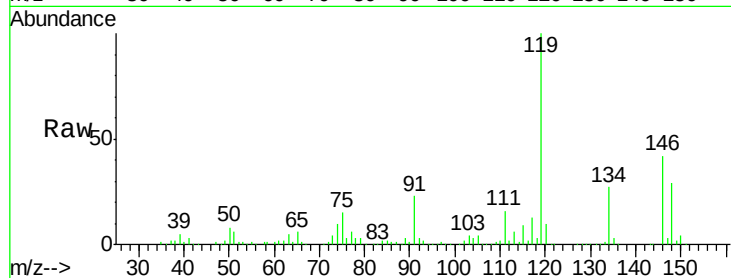




#87
 1,3-Dichlorobenzene
 Concen: 50.192 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

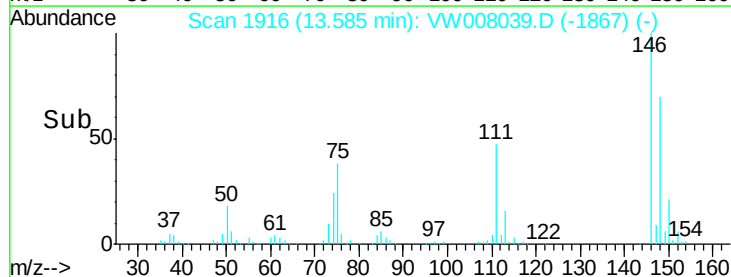
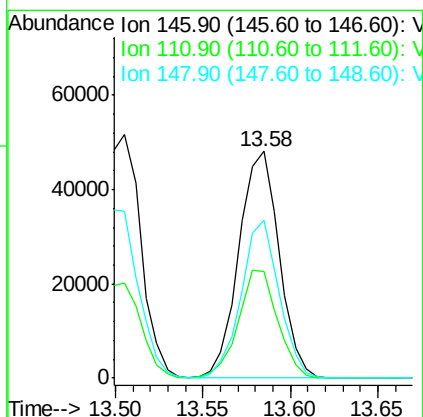
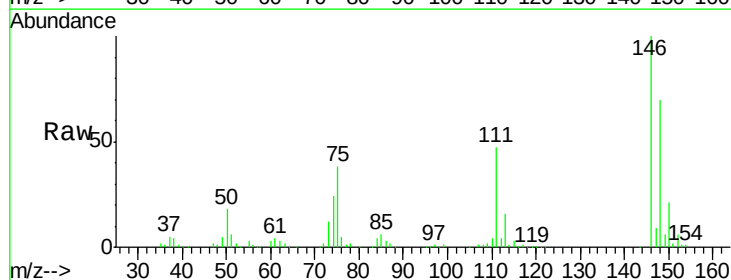
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

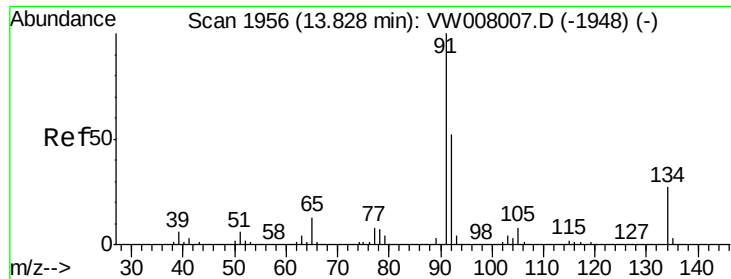
Tot Ion:146 Resp: 86335
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.4 64.2
 148 62.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 45.326 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion:146 Resp: 77188
 Ion Ratio Lower Upper
 146 100
 111 46.5 20.9 62.8
 148 65.7 31.9 95.9





#89

n-Butylbenzene

Concen: 49.023 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

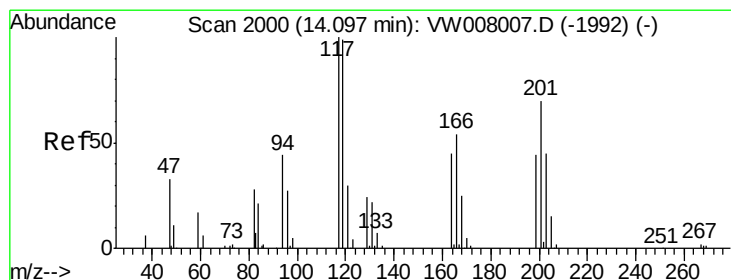
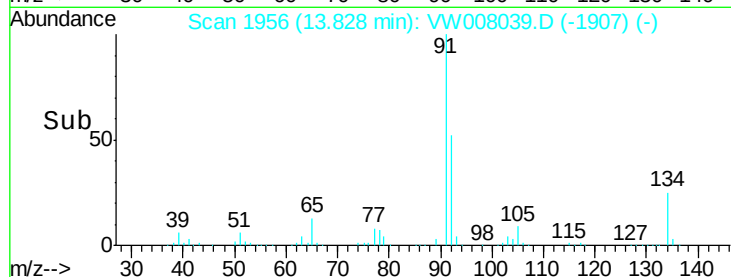
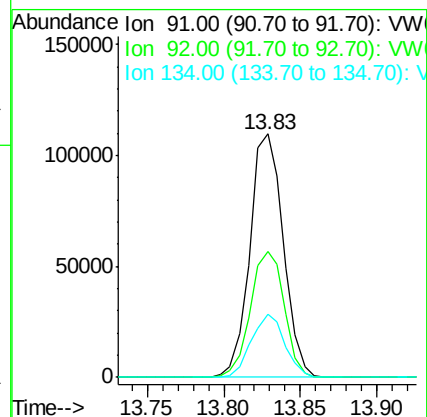
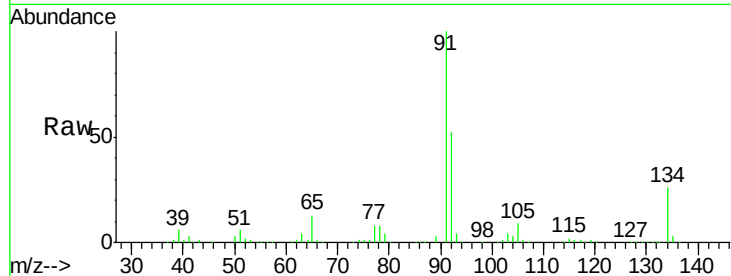
Tot Ion: 91 Resp: 166193

Ion Ratio Lower Upper

91 100

92 52.2 26.4 79.2

134 26.0 13.4 40.2



#90

Hexachloroethane

Concen: 48.286 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008039.D

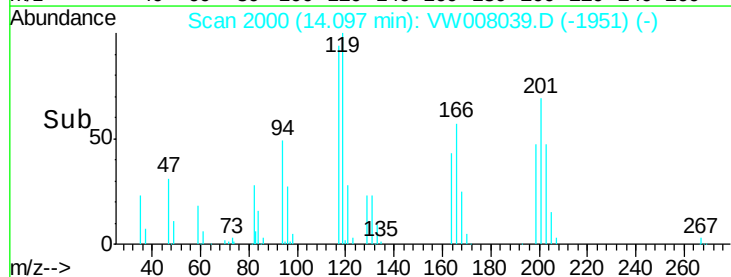
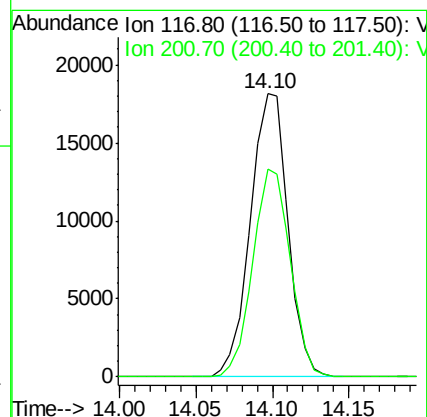
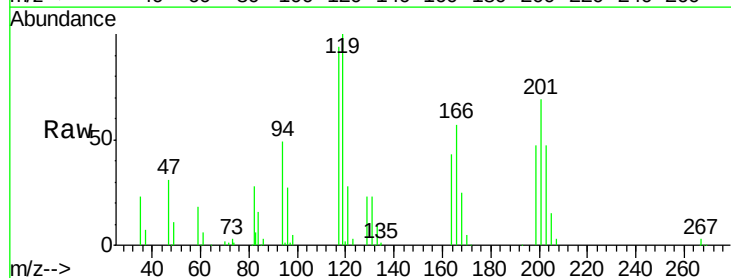
Acq: 04 Jan 2019 11:06

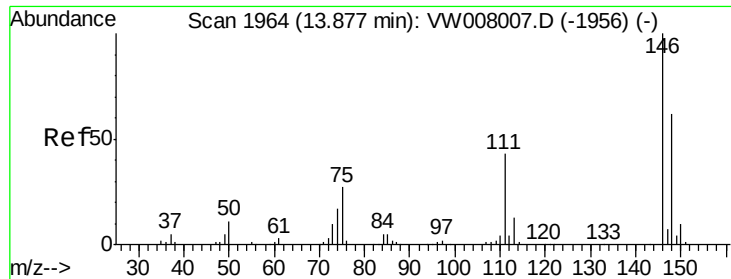
Tgt Ion: 117 Resp: 31053

Ion Ratio Lower Upper

117 100

201 73.2 37.1 111.5

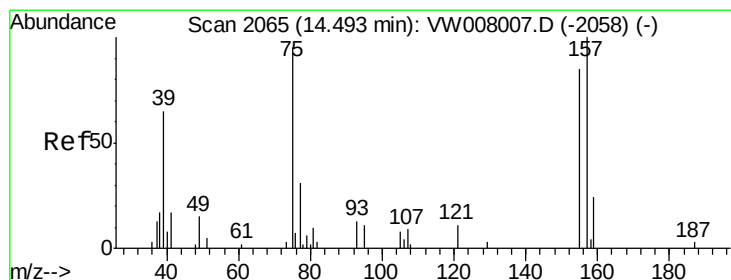
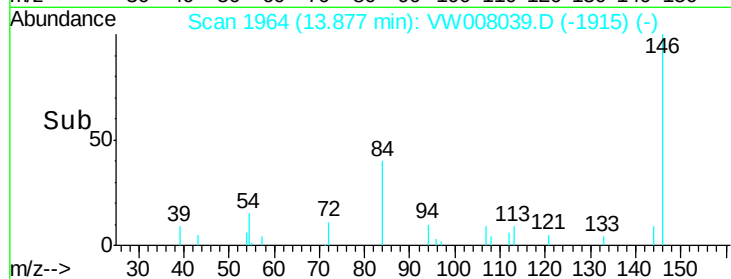
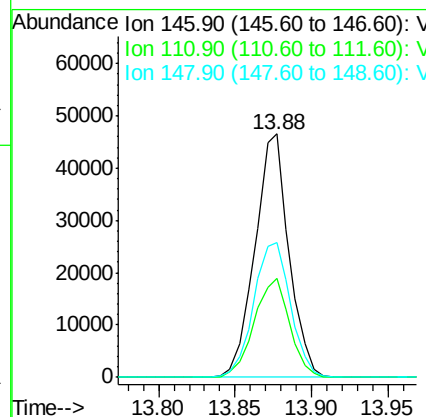
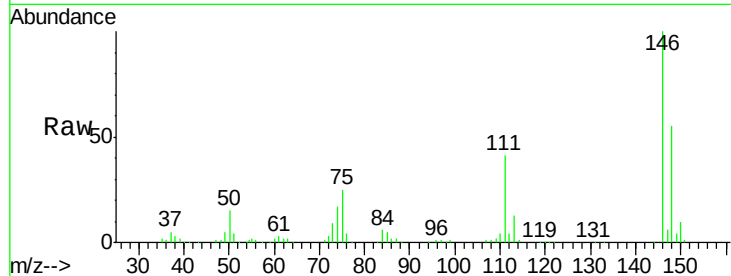




#91
 1,2-Dichlorobenzene
 Concen: 47.601 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

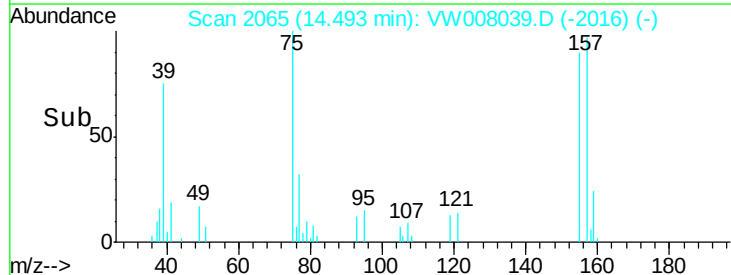
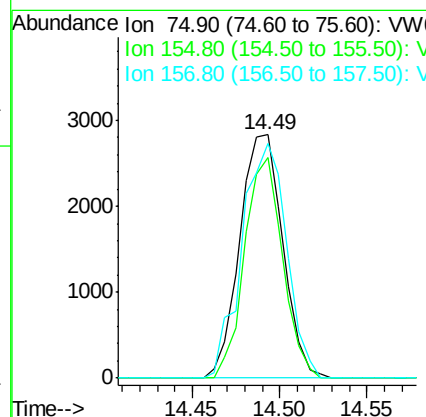
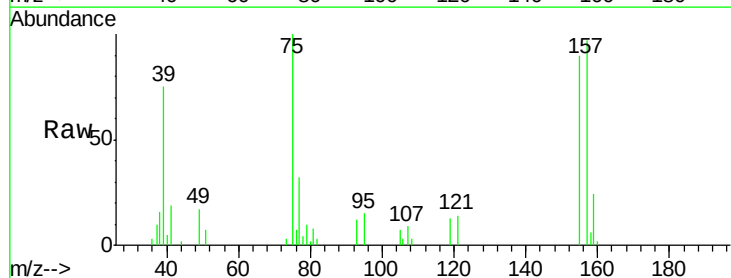
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

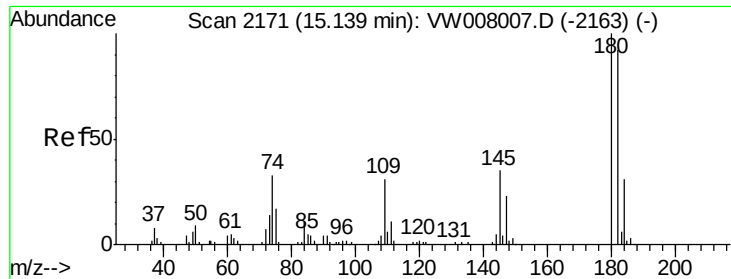
Tot Ion:146 Resp: 71951
 Ion Ratio Lower Upper
 146 100
 111 42.3 22.6 67.7
 148 60.1 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.576 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion: 75 Resp: 4873
 Ion Ratio Lower Upper
 75 100
 155 79.8 42.4 127.1
 157 100.1 52.3 156.8

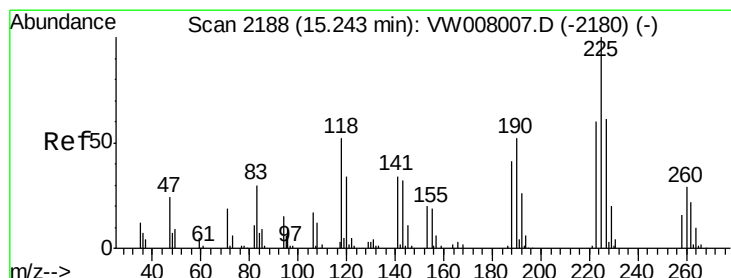
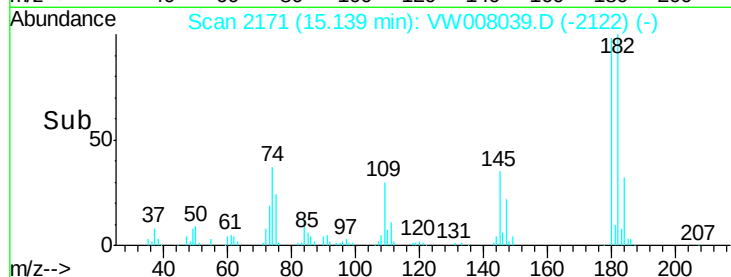
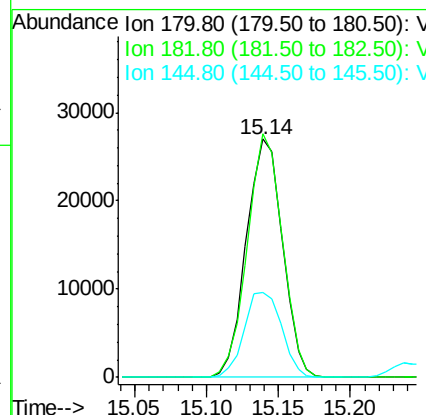
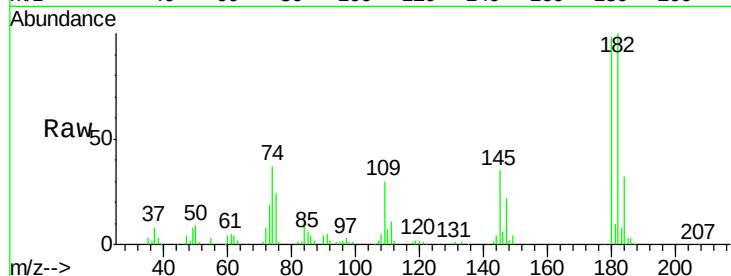




#93
1,2,4-Trichlorobenzene
Concen: 44.215 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

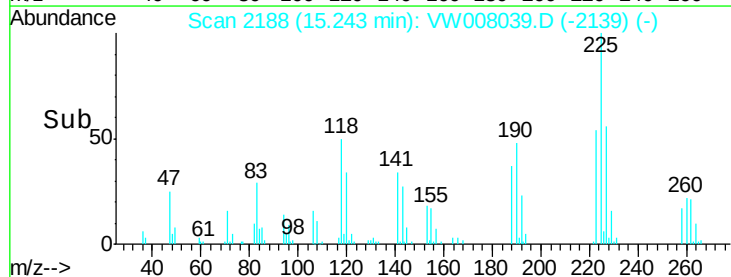
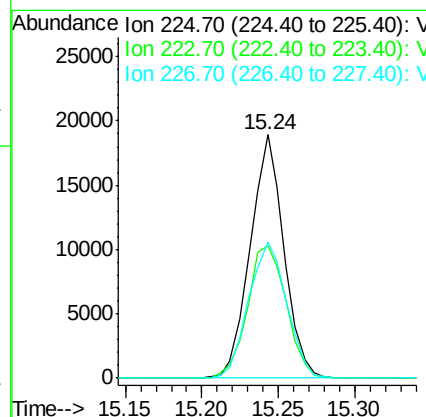
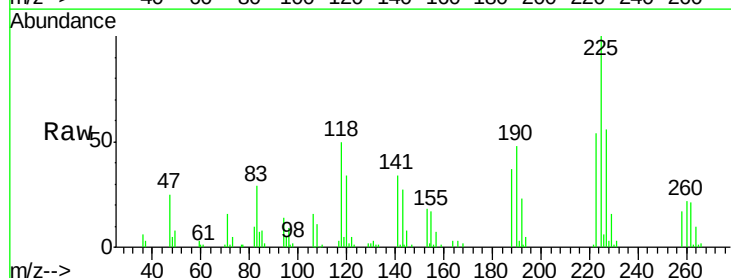
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

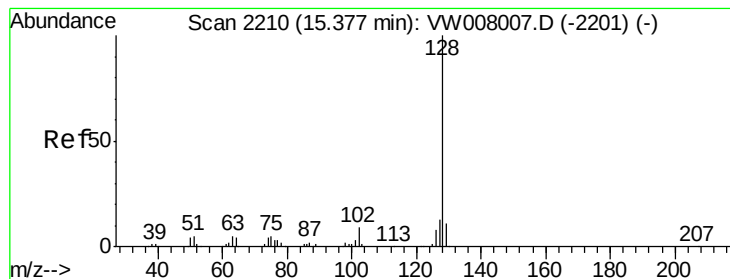
Tot Ion:180 Resp: 46940
Ion Ratio Lower Upper
180 100
182 98.8 46.6 139.8
145 36.9 17.2 51.6



#94
Hexachlorobutadiene
Concen: 47.072 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion:225 Resp: 28854
Ion Ratio Lower Upper
225 100
223 62.7 30.6 92.0
227 63.3 31.3 93.8





#95

Naphthalene

Concen: 47.489 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

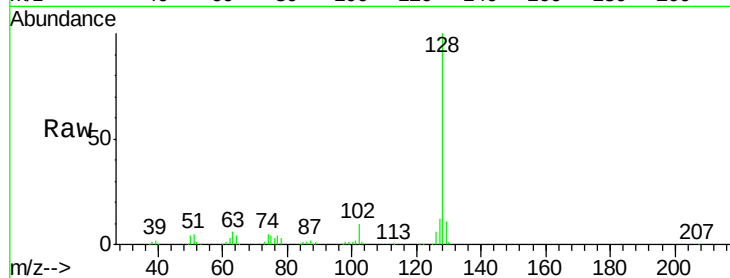
Tot Ion:128 Resp: 85864

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

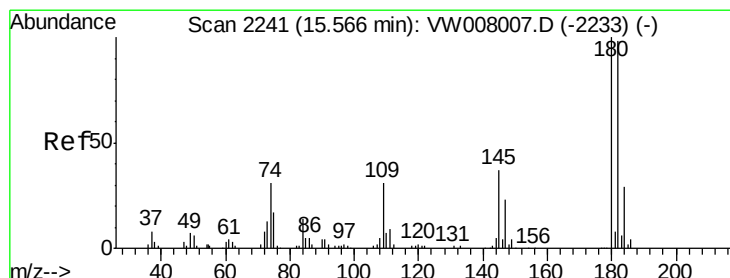
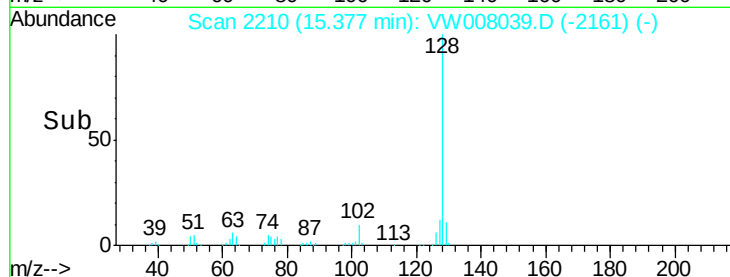
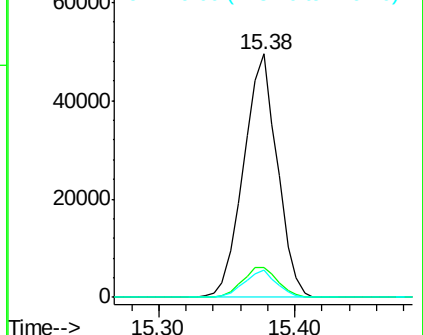
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.978 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

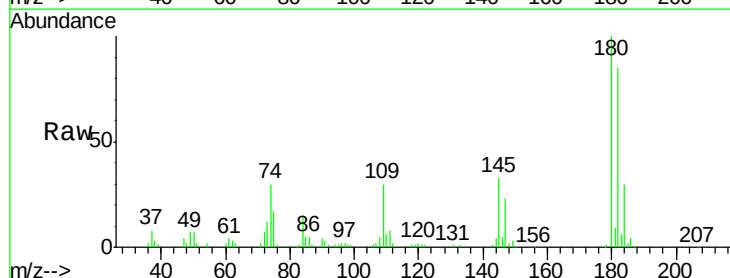
Tgt Ion:180 Resp: 41910

Ion Ratio Lower Upper

180 100

182 91.4 47.9 143.8

145 34.5 18.7 56.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

