

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010447.D
 Acq On : 20 May 2019 14:06
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: May 21 06:47:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	838555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1400414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1214012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	592172	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	392682	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	
35) Dibromofluoromethane	7.88	113	425502	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	10.32	98	1666519	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.62	95	611142	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	304760	40.743	ug/l	97
3) Chloromethane	2.21	50	383356	43.511	ug/l	100
4) Vinyl Chloride	2.36	62	443400	43.448	ug/l	99
5) Bromomethane	2.76	94	288683	41.118	ug/l	97
6) Chloroethane	2.91	64	291863	44.551	ug/l	99
7) Trichlorofluoromethane	3.25	101	663080	44.009	ug/l	99
8) Diethyl Ether	3.68	74	189662	39.711	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	411180	44.314	ug/l	98
10) Methyl Iodide	4.27	142	471486	44.456	ug/l	99
11) Tert butyl alcohol	5.16	59	135452	173.982	ug/l	97
12) 1,1-Dichloroethene	4.03	96	387307	43.727	ug/l	99
13) Acrolein	3.89	56	104930	229.471	ug/l	95
14) Allyl chloride	4.67	41	565727	44.125	ug/l	100
15) Acrylonitrile	5.37	53	387569	193.763	ug/l	98
16) Acetone	4.12	43	353801	200.256	ug/l	99
17) Carbon Disulfide	4.38	76	1109921	42.012	ug/l	99
18) Methyl Acetate	4.67	43	150751	34.888	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	894176	39.600	ug/l	96
20) Methylene Chloride	4.92	84	434567	41.009	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	437958	43.108	ug/l	99
22) Diisopropyl ether	6.31	45	1108669	42.172	ug/l	98
23) Vinyl Acetate	6.25	43	3174476	202.150	ug/l	98
24) 1,1-Dichloroethane	6.21	63	697361	44.452	ug/l	99
25) 2-Butanone	7.17	43	463367	183.267	ug/l	99
26) 2,2-Dichloropropane	7.17	77	702743	47.026	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	482231	43.659	ug/l	99
28) Bromochloromethane	7.51	49	269005	47.892	ug/l	99
29) Tetrahydrofuran	7.52	42	297635	173.965	ug/l	99
30) Chloroform	7.67	83	745021	44.027	ug/l	99
31) Cyclohexane	7.95	56	673262	40.970	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	723335	44.723	ug/l	98
36) 1,1-Dichloropropene	8.09	75	589820	45.212	ug/l	100
37) Ethyl Acetate	7.25	43	212338	38.276	ug/l	99
38) Carbon Tetrachloride	8.07	117	651027	46.261	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	802049	45.889	ug/l	98
40) Benzene	8.32	78	1638902	45.199	ug/l	99
41) Methacrylonitrile	7.48	41	140933	42.756	ug/l	91
42) 1,2-Dichloroethane	8.40	62	440548	42.510	ug/l	100
43) Isopropyl Acetate	8.43	43	431433	38.928	ug/l	99
44) Trichloroethene	9.09	130	485863	45.135	ug/l	100
45) 1,2-Dichloropropane	9.37	63	387395	44.986	ug/l	98
46) Dibromomethane	9.46	93	210290	41.756	ug/l	99
47) Bromodichloromethane	9.64	83	558280	44.112	ug/l	97
48) Methyl methacrylate	9.43	41	209754	41.369	ug/l	92
49) 1,4-Dioxane	9.45	88	66887	813.023	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1068861	190.326	ug/l	100
52) Toluene	10.39	92	1090232	44.772	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	550766	42.970	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	662781	45.277	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	301722	41.662	ug/l	99
56) Ethyl methacrylate	10.65	69	395372	39.584	ug/l	100
57) 1,3-Dichloropropane	10.93	76	509284	41.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	953642	215.560	ug/l	99
59) 2-Hexanone	10.97	43	757378	189.055	ug/l	99
60) Dibromochloromethane	11.13	129	396148	43.221	ug/l	99
61) 1,2-Dibromoethane	11.24	107	300197	40.920	ug/l	100
64) Tetrachloroethene	10.87	164	384655	45.452	ug/l	96
65) Chlorobenzene	11.66	112	1186088	45.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	424444	45.794	ug/l	99
67) Ethyl Benzene	11.73	91	2120045	46.410	ug/l	99
68) m/p-Xylenes	11.84	106	1657580	92.512	ug/l	99
69) o-Xylene	12.16	106	780387	45.971	ug/l	99
70) Styrene	12.18	104	1324268	45.977	ug/l	100
71) Bromoform	12.35	173	218963	42.900	ug/l #	98
73) Isopropylbenzene	12.46	105	2174589	46.277	ug/l	100
74) N-amyl acetate	12.27	43	425498	39.514	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	336073	39.320	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	438530	72.956	ug/l	32
77) Bromobenzene	12.75	156	473301	45.009	ug/l	98
78) n-propylbenzene	12.80	91	2530800	46.215	ug/l	100
79) 2-Chlorotoluene	12.90	91	1433126	45.127	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1838449	46.194	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	115445	40.083	ug/l	97
82) 4-Chlorotoluene	12.99	91	1480561	44.916	ug/l	99
83) tert-Butylbenzene	13.21	119	1587539	45.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1811463	45.700	ug/l	100
85) sec-Butylbenzene	13.38	105	2262955	46.515	ug/l	100
86) p-Isopropyltoluene	13.50	119	2038729	46.298	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	934082	45.276	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	928764	44.869	ug/l	99
89) n-Butylbenzene	13.83	91	1976180	47.181	ug/l	99
90) Hexachloroethane	14.10	117	404092	47.410	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	830316	44.170	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	58760	36.973	ug/l	96

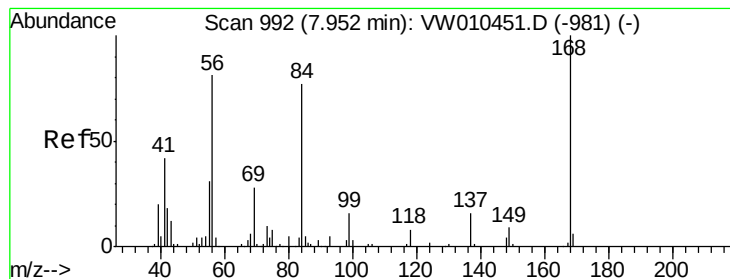
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	595441	46.555	ug/l	100
94) Hexachlorobutadiene	15.24	225	333122	48.753	ug/l	99
95) Naphthalene	15.37	128	1122654	41.815	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	496063	45.074	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

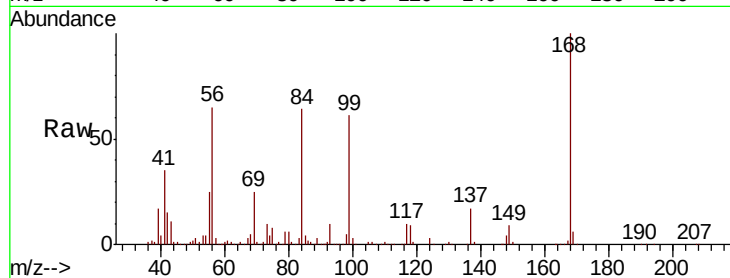
VSTDCCC050

Tot Ion:168 Resp: 838555

Ion Ratio Lower Upper

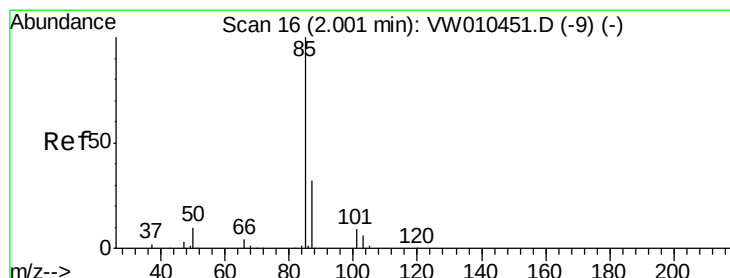
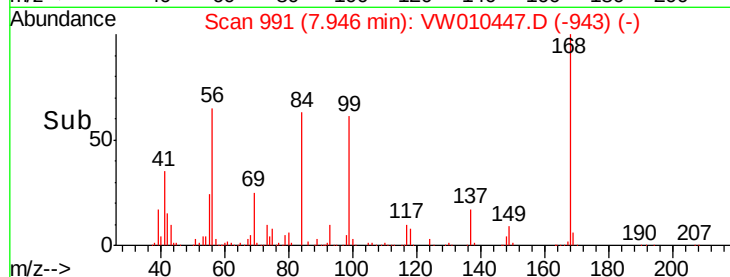
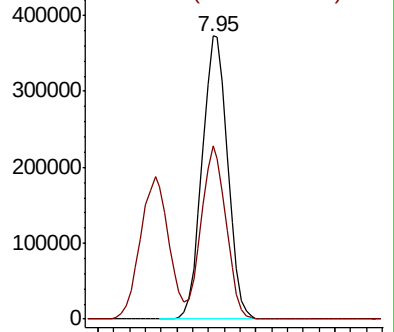
168 100

99 61.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 40.743 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010447.D

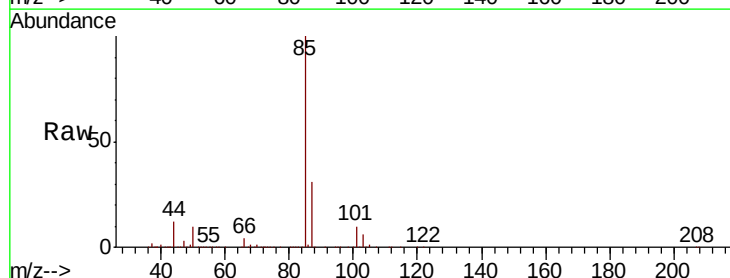
Acq: 20 May 2019 14:06

Tgt Ion: 85 Resp: 304760

Ion Ratio Lower Upper

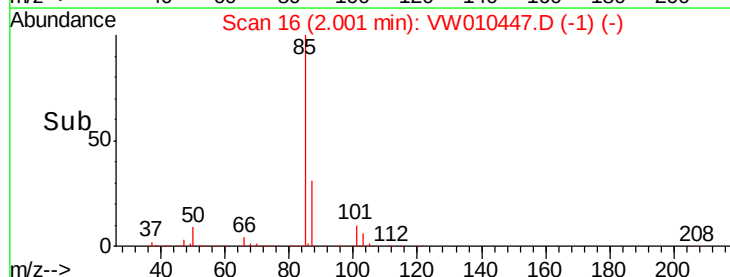
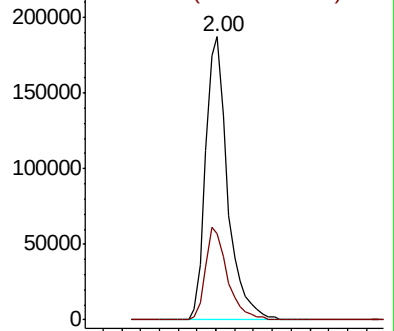
85 100

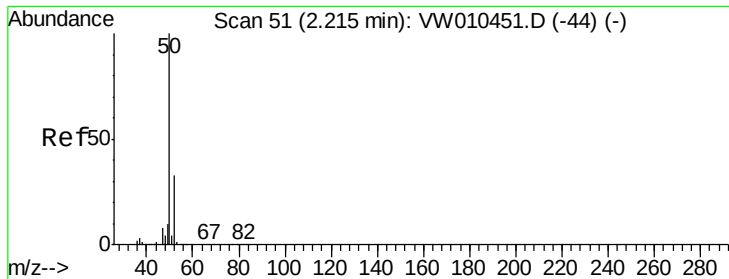
87 30.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 43.511 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

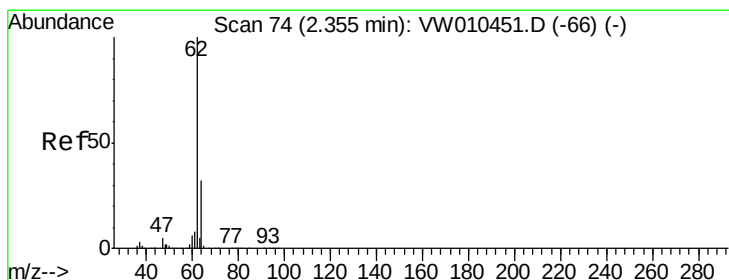
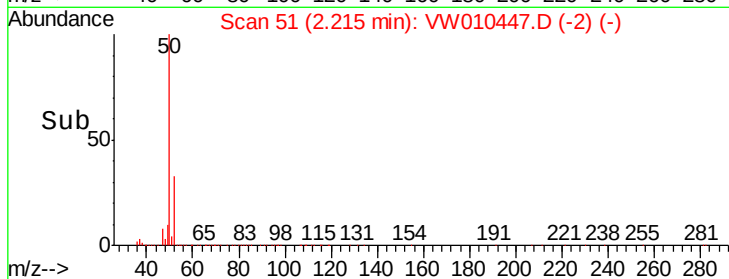
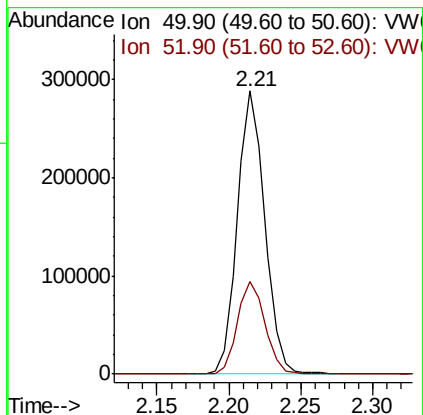
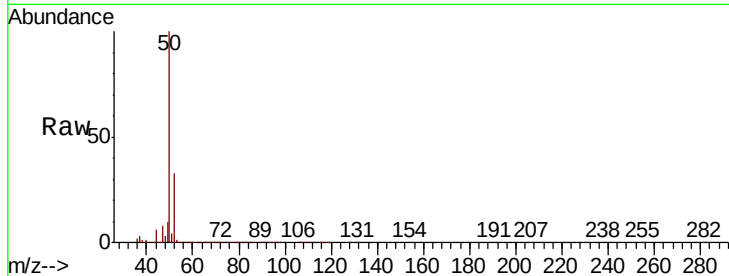
VSTDCCC050

Tot Ion: 50 Resp: 383356

Ion Ratio Lower Upper

50 100

52 32.8 26.3 39.5



#4

Vinyl Chloride

Concen: 43.448 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010447.D

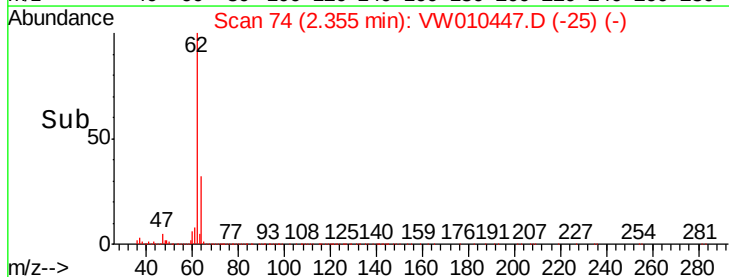
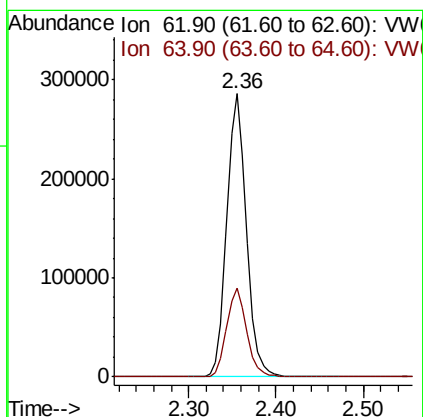
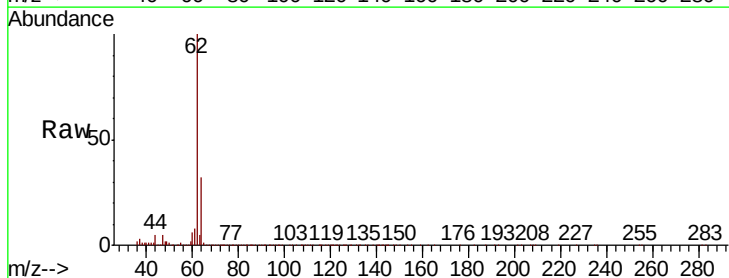
Acq: 20 May 2019 14:06

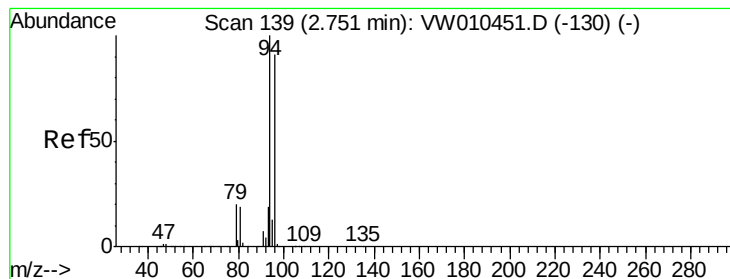
Tgt Ion: 62 Resp: 443400

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 41.118 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

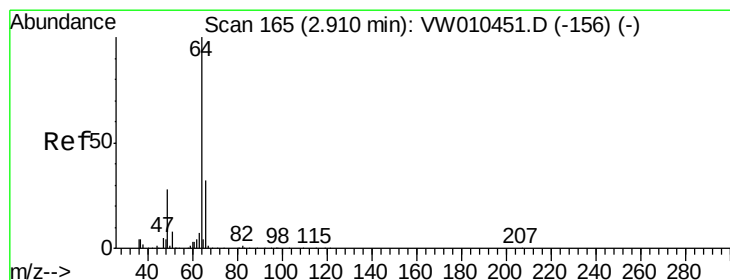
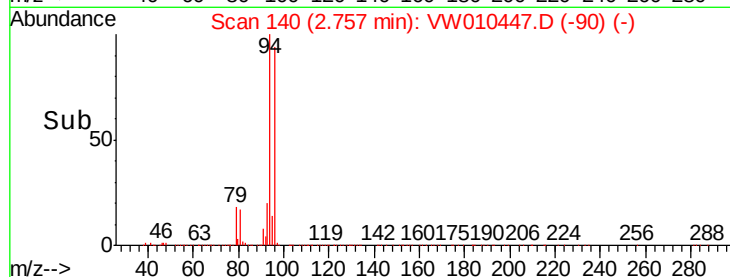
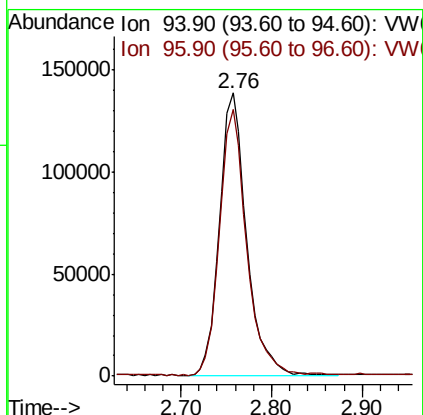
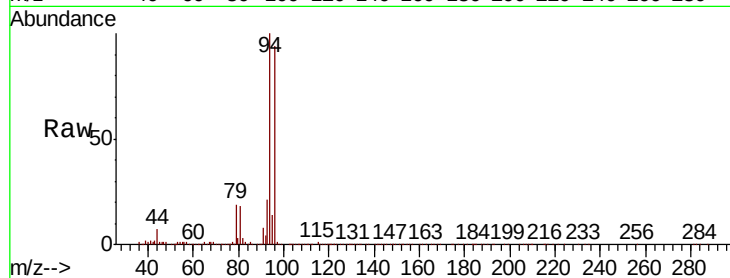
VSTDCCC050

Tot Ion: 94 Resp: 288683

Ion Ratio Lower Upper

94 100

96 94.2 72.9 109.3



#6

Chloroethane

Concen: 44.551 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010447.D

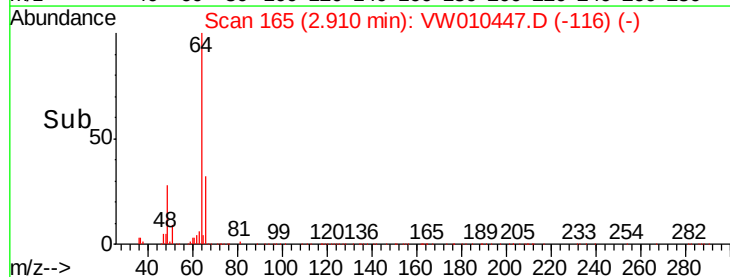
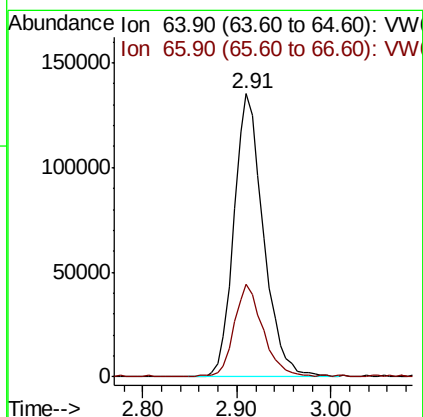
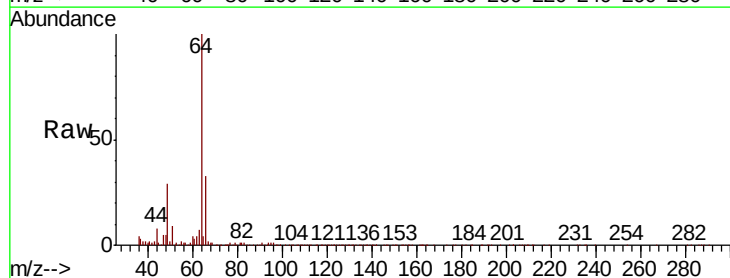
Acq: 20 May 2019 14:06

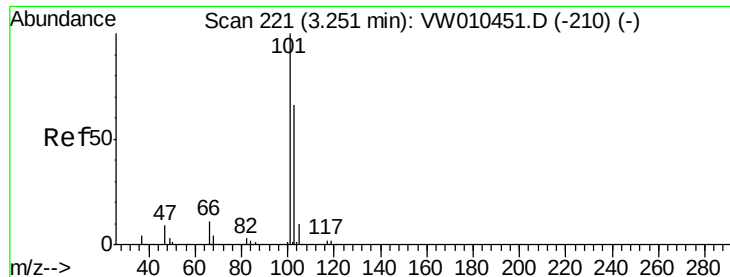
Tgt Ion: 64 Resp: 291863

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3



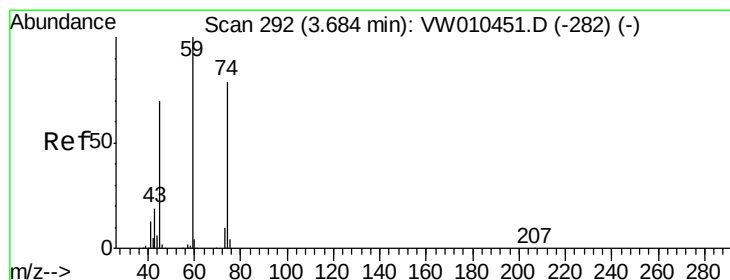
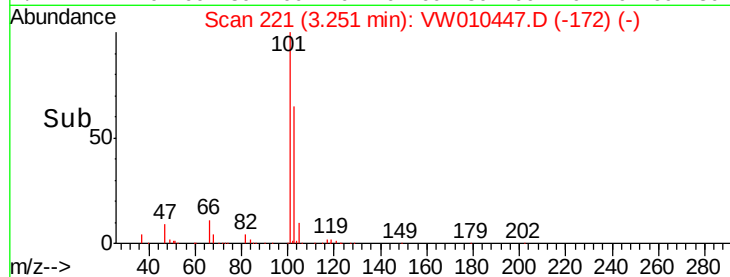
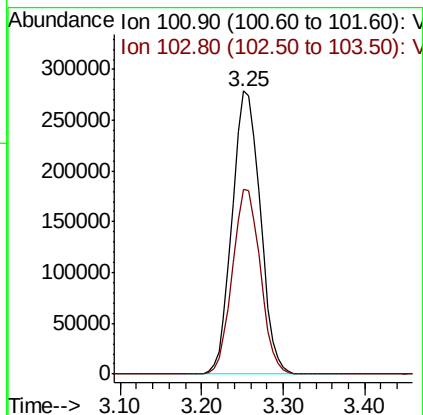
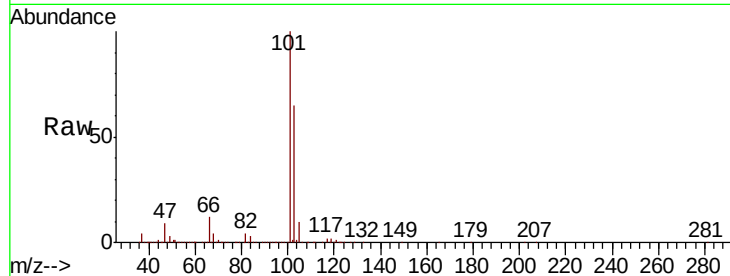


#7

Trichlorofluoromethane
Concen: 44.009 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

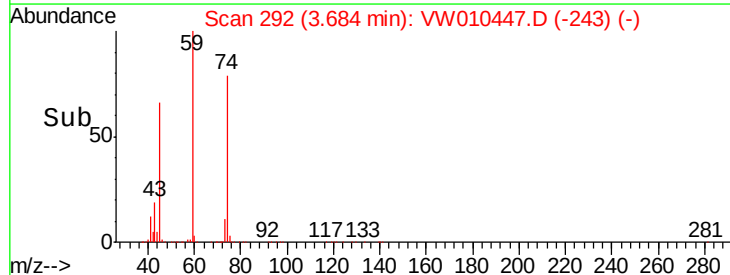
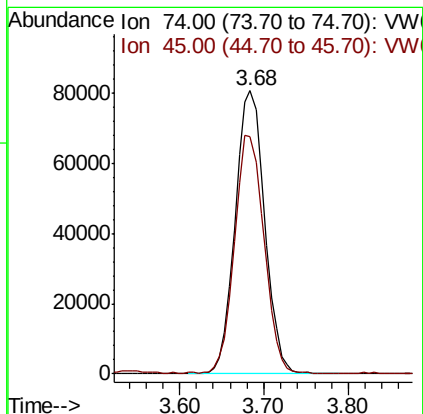
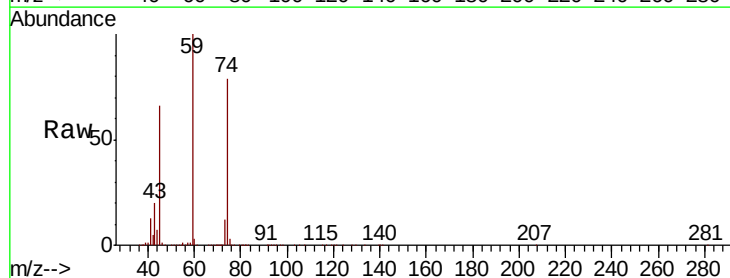
Tot Ion:101 Resp: 663080
Ion Ratio Lower Upper
101 100
103 65.4 53.0 79.4

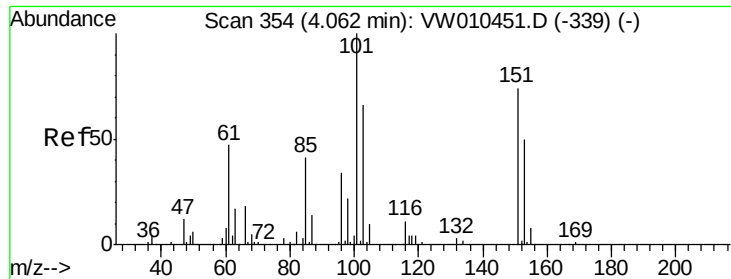


#8

Diethyl Ether
Concen: 39.711 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Tgt Ion: 74 Resp: 189662
Ion Ratio Lower Upper
74 100
45 84.2 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.314 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

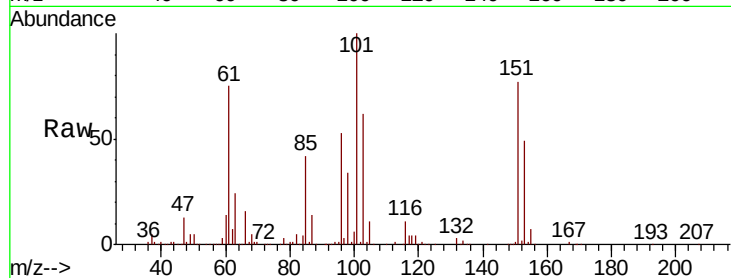
Tot Ion:101 Resp: 411180

Ion Ratio Lower Upper

101 100

85 43.6 34.3 51.5

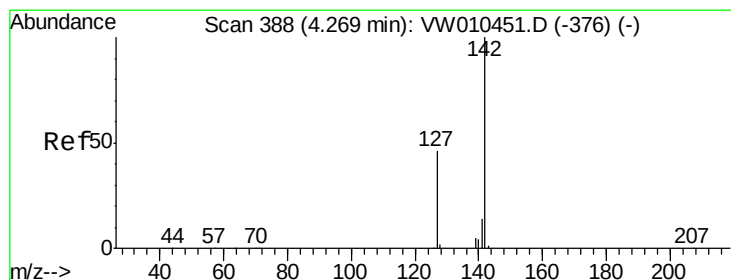
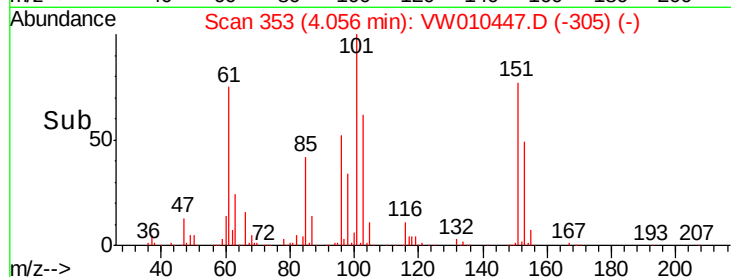
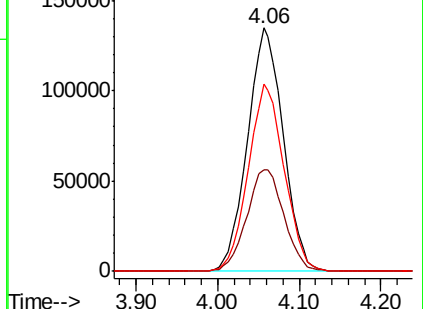
151 77.2 60.3 90.5



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: 44.456 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

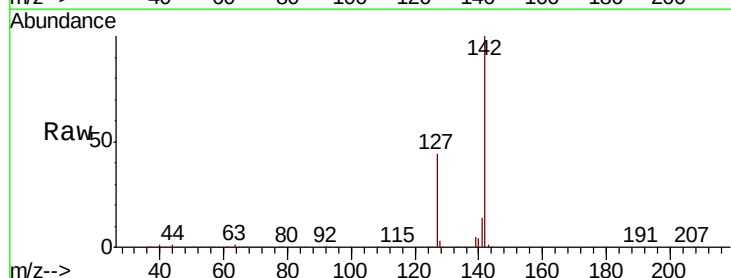
Tgt Ion:142 Resp: 471486

Ion Ratio Lower Upper

142 100

127 44.3 36.1 54.1

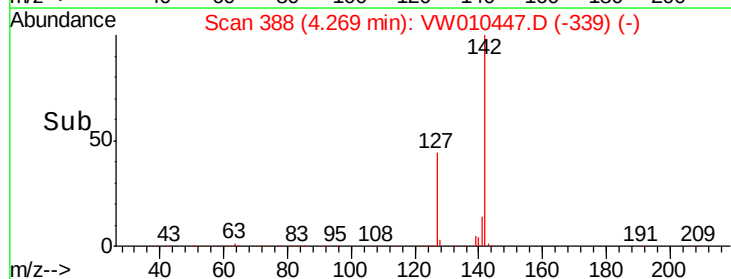
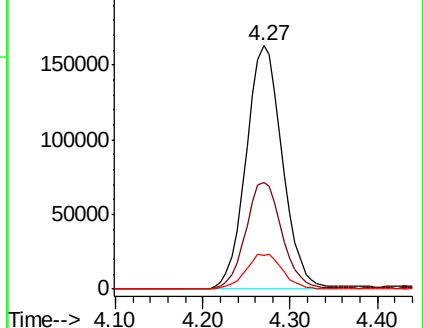
141 14.6 11.3 16.9

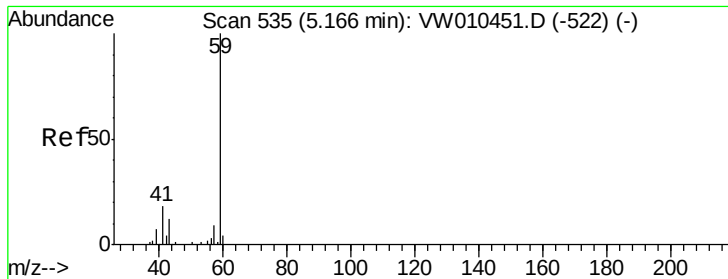


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



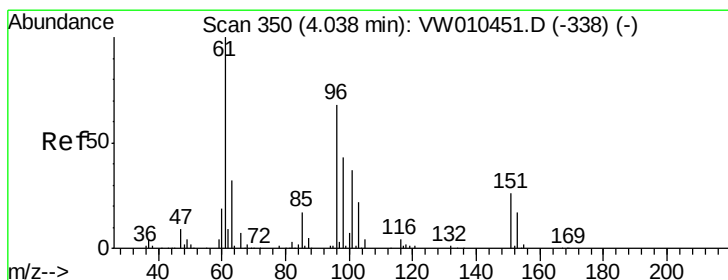
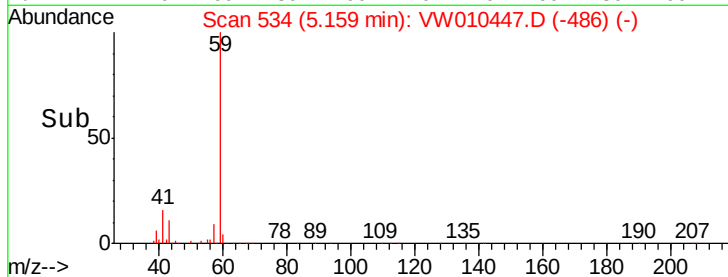
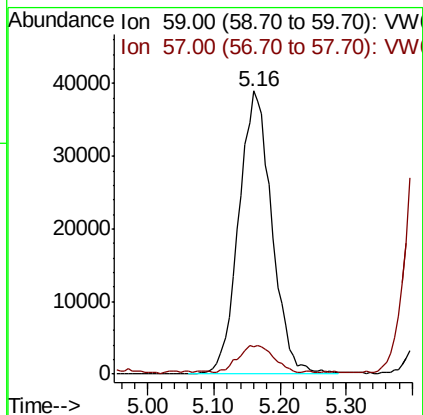
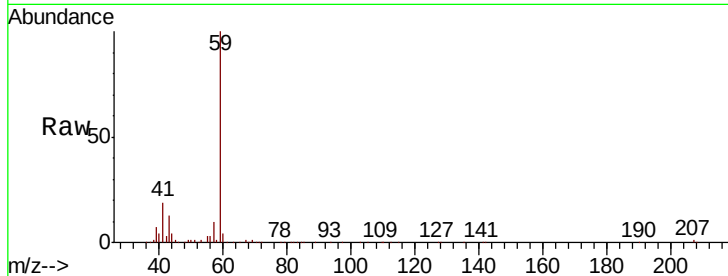


#11

Tert butyl alcohol
Concen: 173.982 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

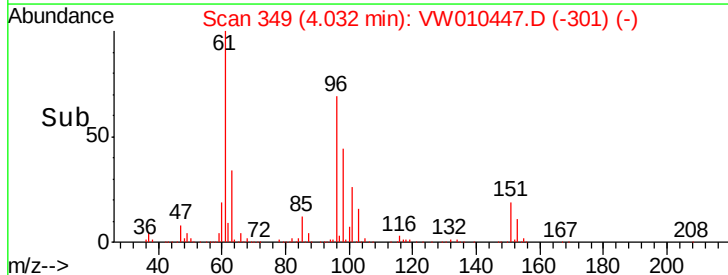
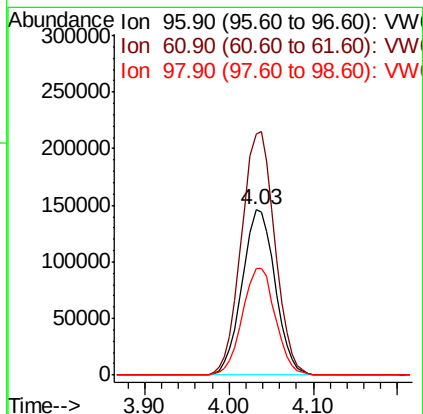
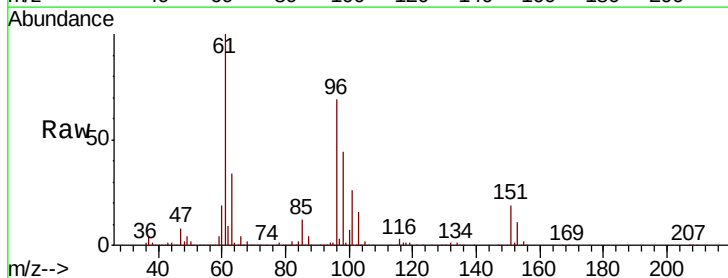
Tot Ion: 59 Resp: 135452
Ion Ratio Lower Upper
59 100
57 10.0 8.8 13.2

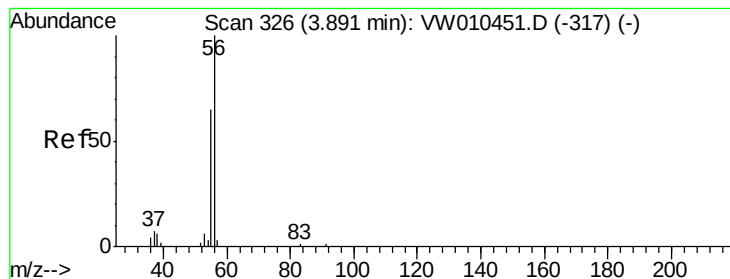


#12

1,1-Dichloroethene
Concen: 43.727 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Tgt Ion: 96 Resp: 387307
Ion Ratio Lower Upper
96 100
61 145.8 118.3 177.5
98 64.4 51.0 76.6





#13

Acrolein

Concen: 229.471 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

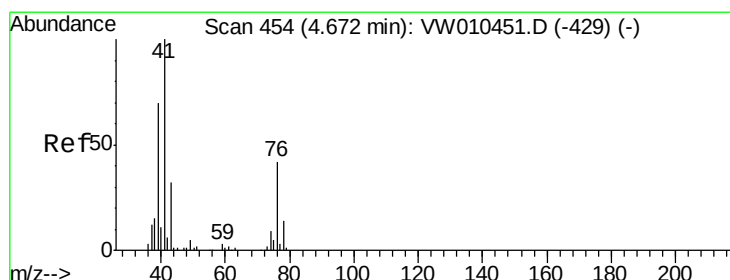
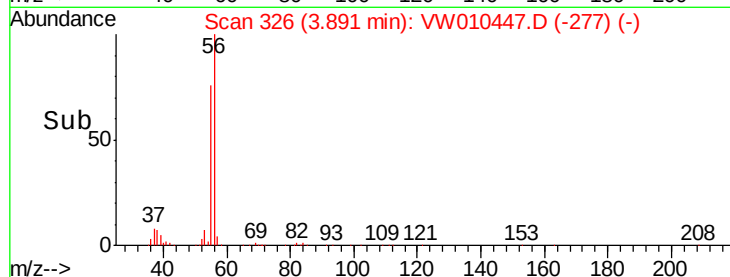
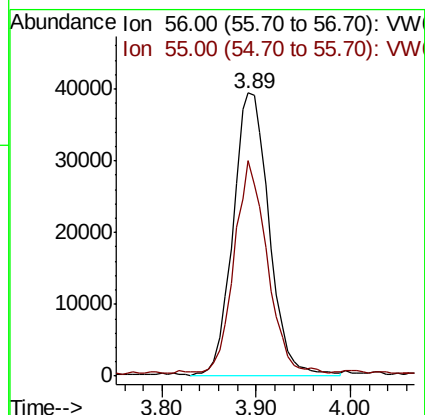
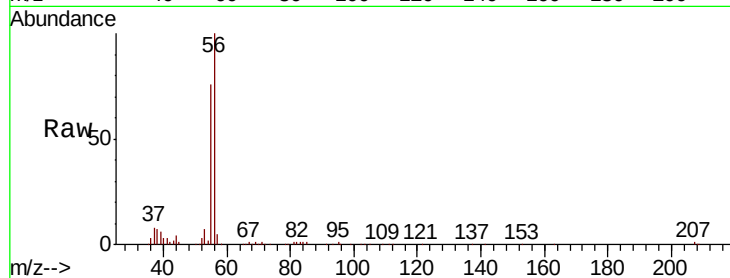
VSTDCCC050

Tot Ion: 56 Resp: 104930

Ion Ratio Lower Upper

56 100

55 67.9 57.9 86.9



#14

Allyl chloride

Concen: 44.125 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

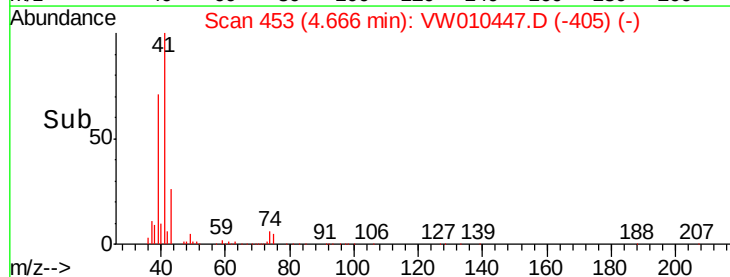
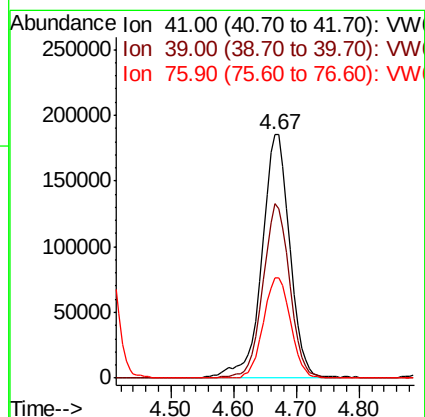
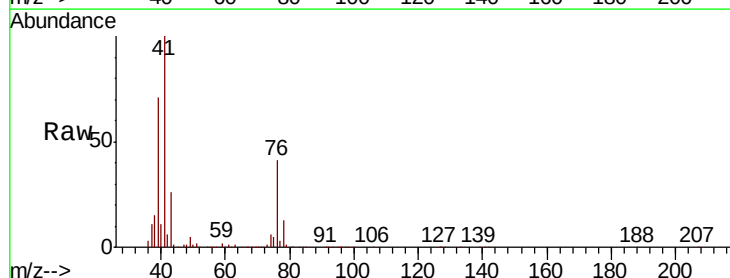
Tgt Ion: 41 Resp: 565727

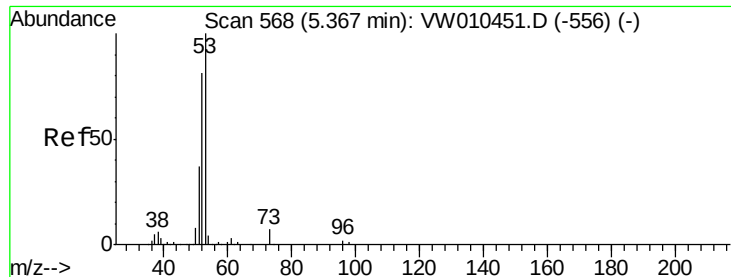
Ion Ratio Lower Upper

41 100

39 68.8 55.0 82.4

76 40.5 32.8 49.2





#15

Acrylonitrile

Concen: 193.763 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

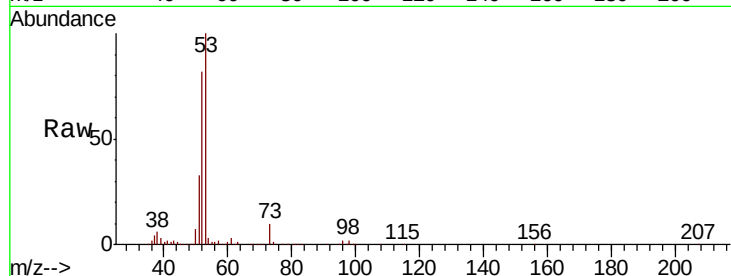
Tot Ion: 53 Resp: 387569

Ion Ratio Lower Upper

53 100

52 79.7 65.6 98.4

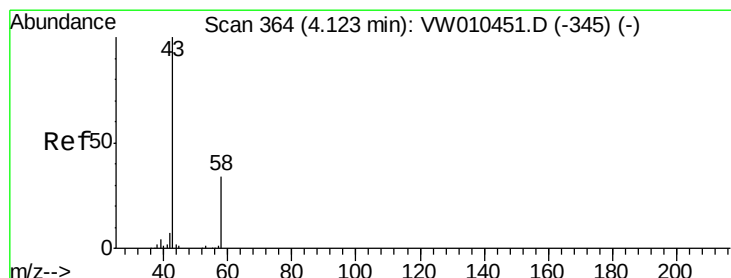
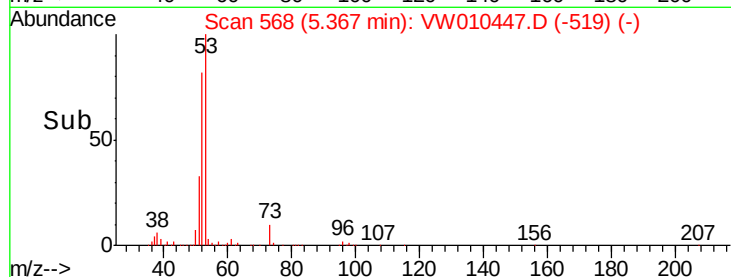
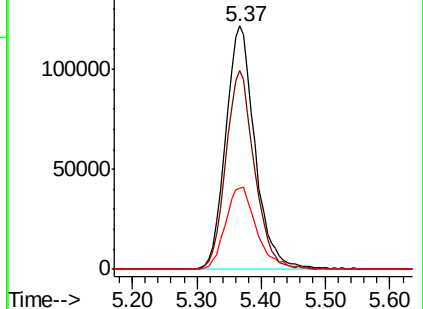
51 36.0 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 200.256 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010447.D

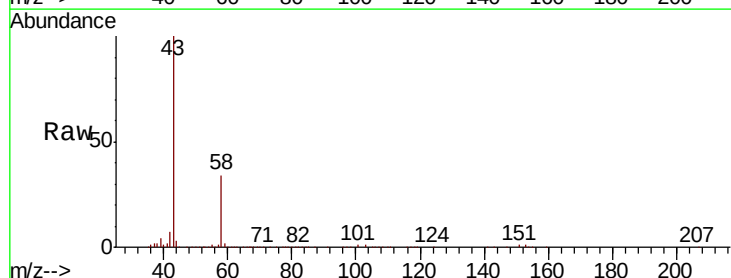
Acq: 20 May 2019 14:06

Tgt Ion: 43 Resp: 353801

Ion Ratio Lower Upper

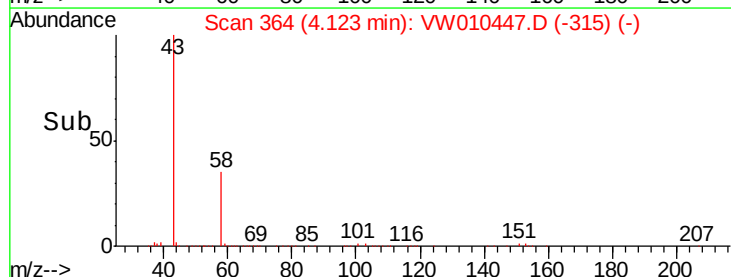
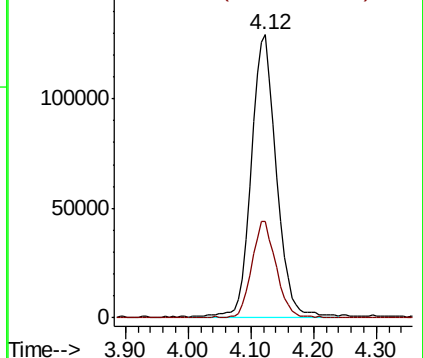
43 100

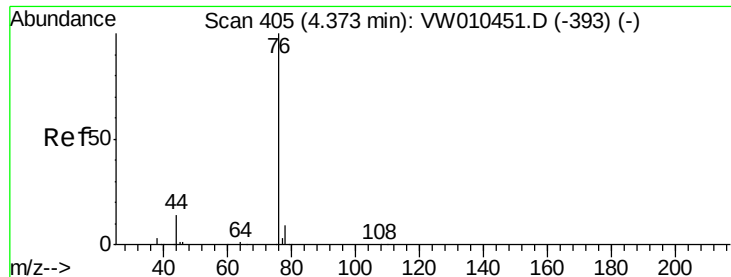
58 34.3 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 42.012 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

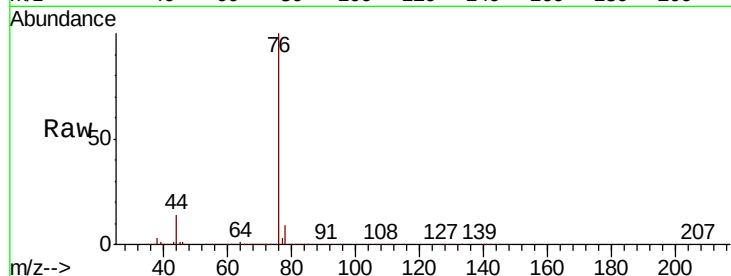
VSTDCCC050

Tot Ion: 76 Resp: 1109921

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

400000

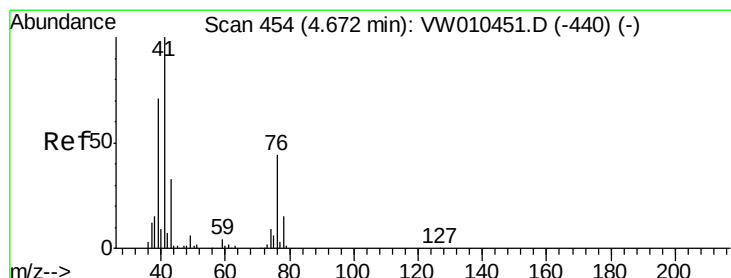
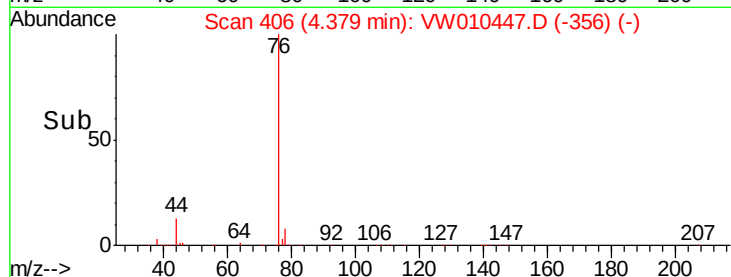
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 34.888 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010447.D

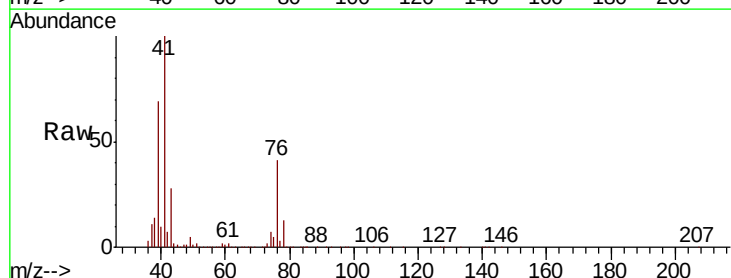
Acq: 20 May 2019 14:06

Tgt Ion: 43 Resp: 150751

Ion Ratio Lower Upper

43 100

74 26.9 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

60000

50000

40000

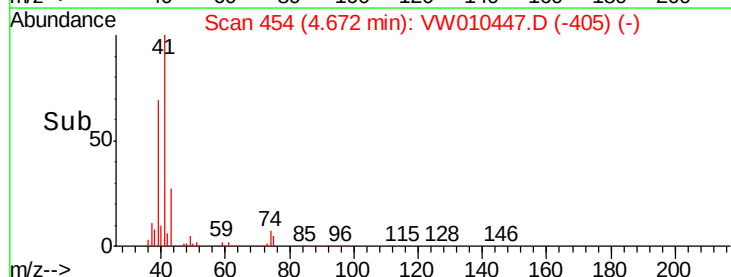
30000

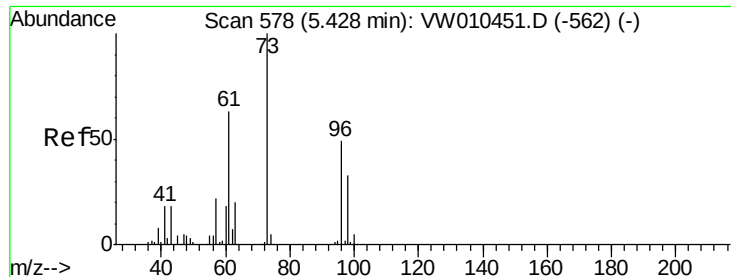
20000

10000

0

Time-->



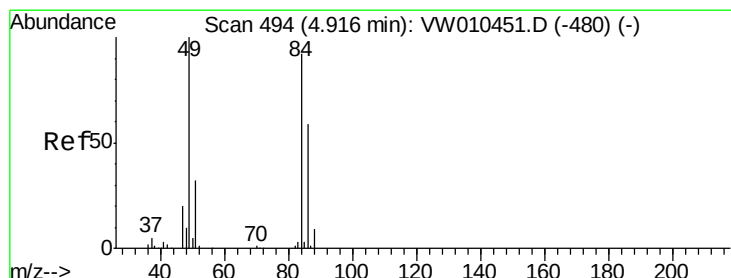
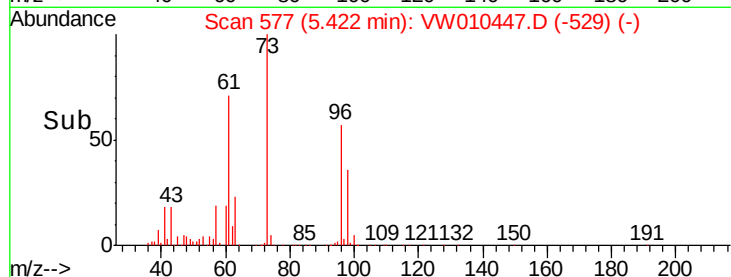
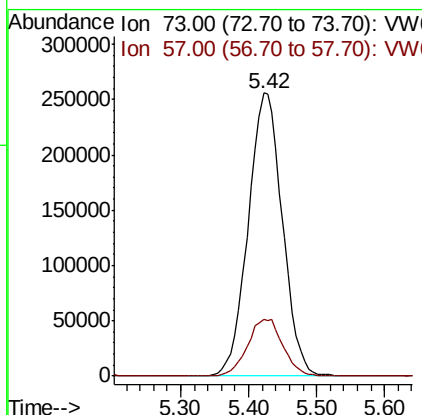
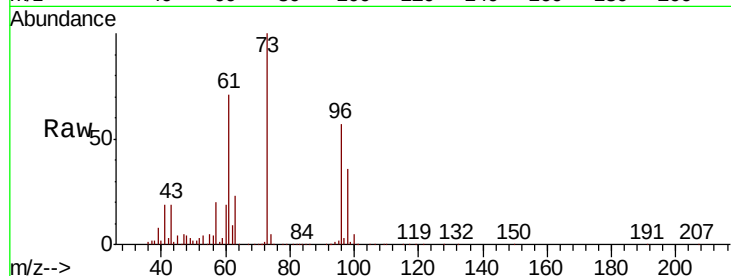


#19

Methyl tert-butyl Ether
 Concen: 39.600 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

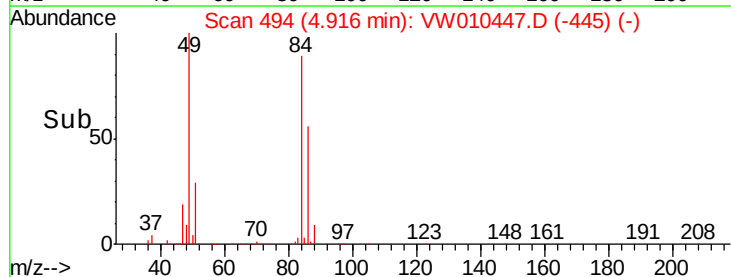
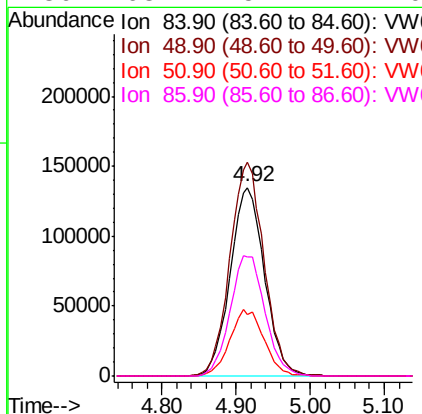
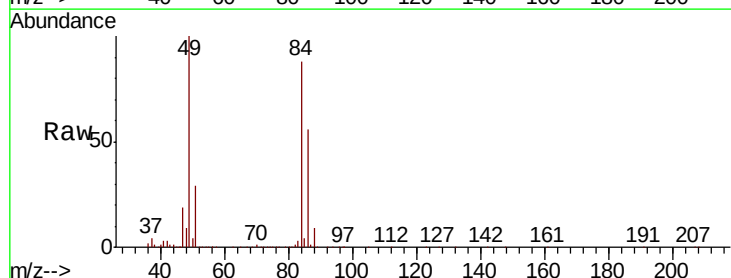
Tot Ion: 73 Resp: 894176
 Ion Ratio Lower Upper
 73 100
 57 20.0 17.4 26.0

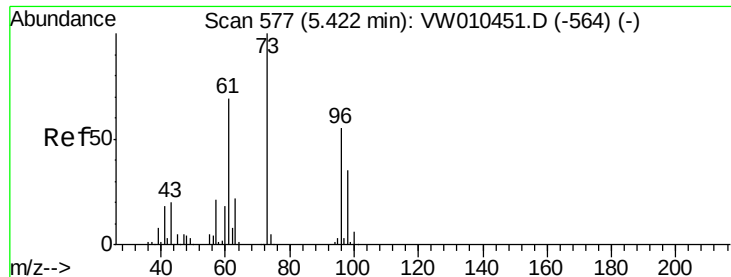


#20

Methylene Chloride
 Concen: 41.009 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Tgt Ion: 84 Resp: 434567
 Ion Ratio Lower Upper
 84 100
 49 113.2 87.2 130.8
 51 32.4 27.7 41.5
 86 63.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 43.108 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

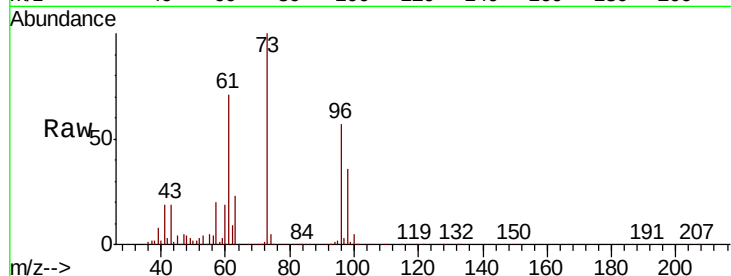
Tot Ion: 96 Resp: 437958

Ion Ratio Lower Upper

96 100

61 125.2 101.4 152.0

98 64.2 50.6 76.0

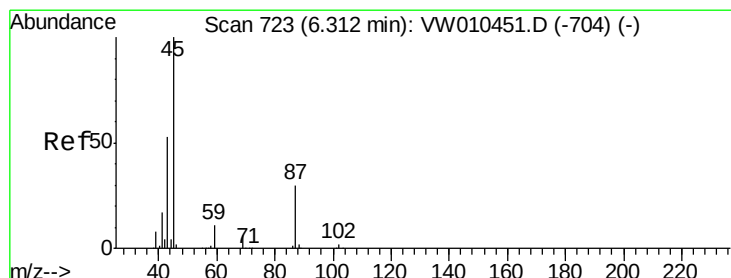
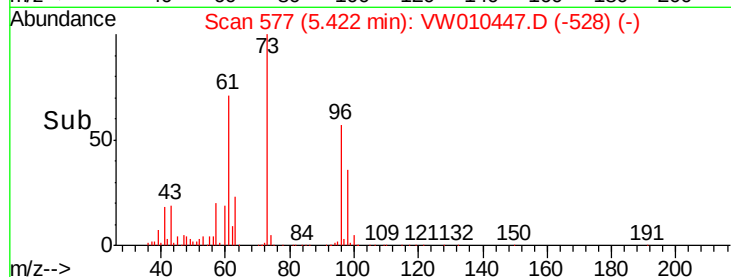
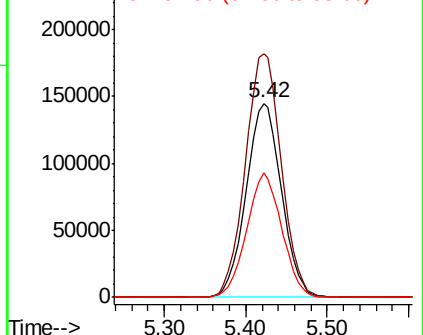


Abundance

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: 42.172 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Tgt Ion: 45 Resp: 1108669

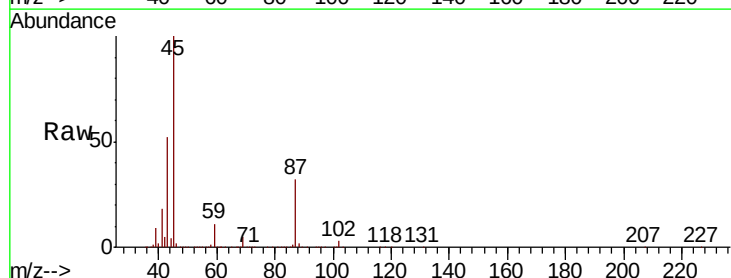
Ion Ratio Lower Upper

45 100

43 52.0 42.9 64.3

87 31.7 24.6 36.8

59 11.0 9.4 14.0



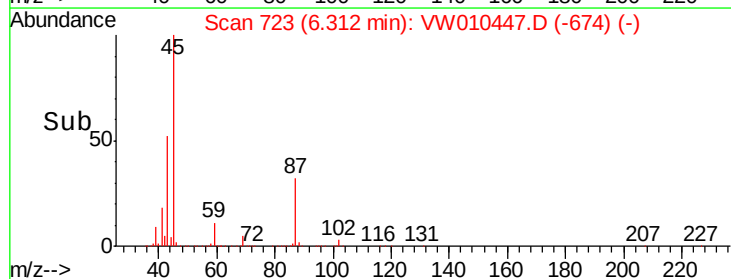
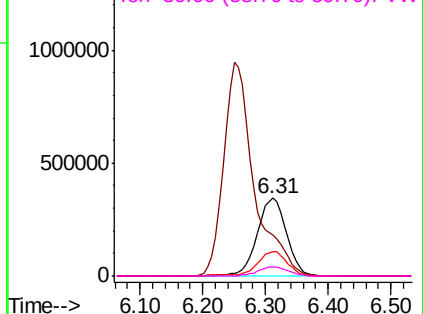
Abundance

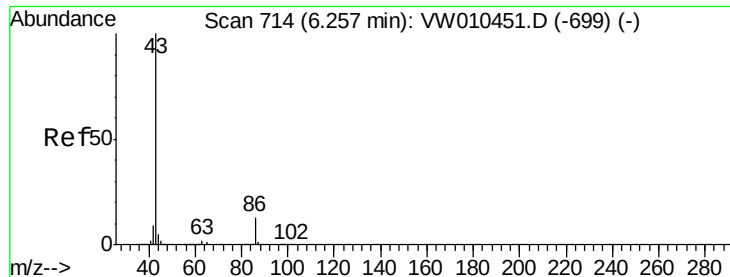
Ion 45.00 (44.70 to 45.70): VW

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: 202.150 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampled :

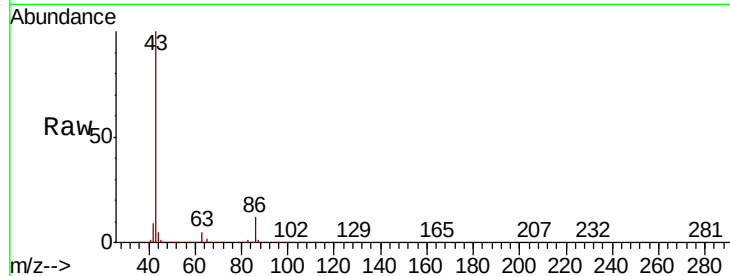
VSTDCCC050

Tot Ion: 43 Resp: 3174476

Ion Ratio Lower Upper

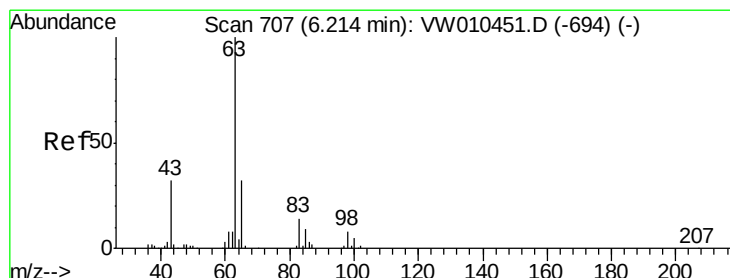
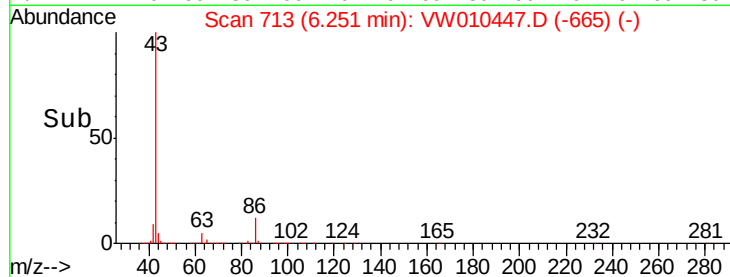
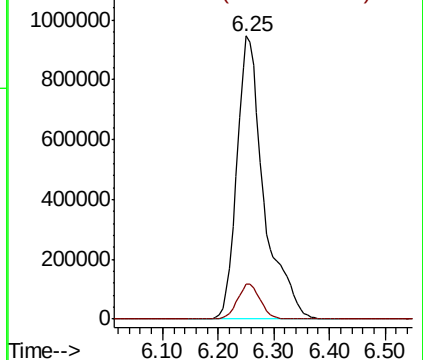
43 100

86 12.3 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 44.452 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

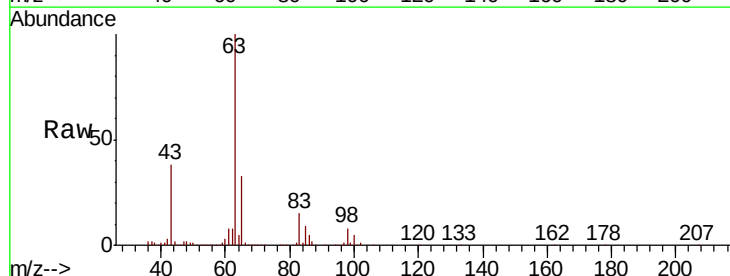
Tgt Ion: 63 Resp: 697361

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

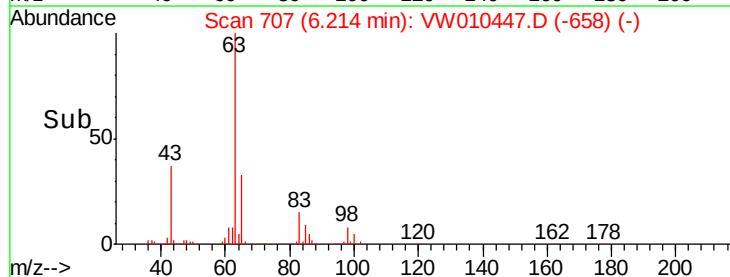
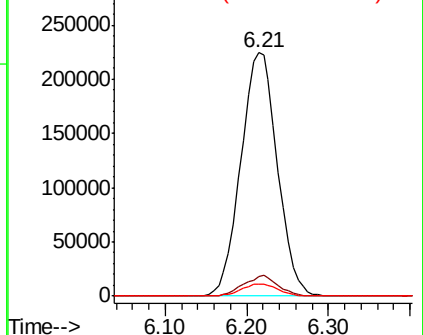
100 4.8 2.5 7.4

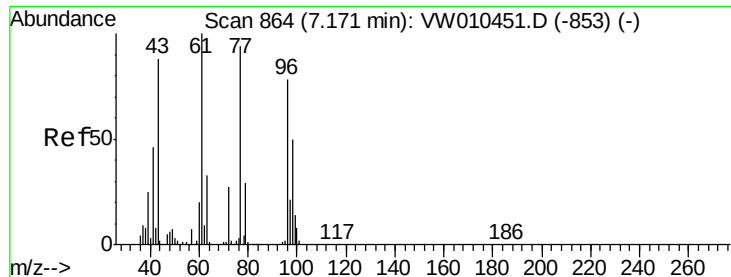


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 183.267 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

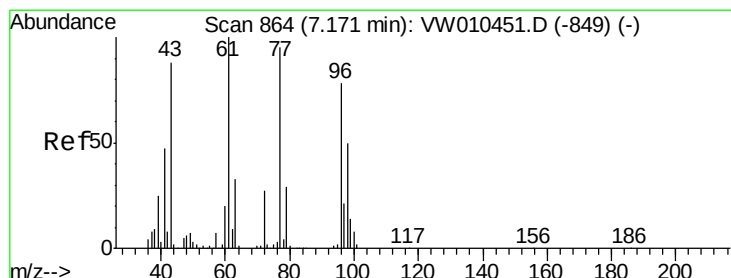
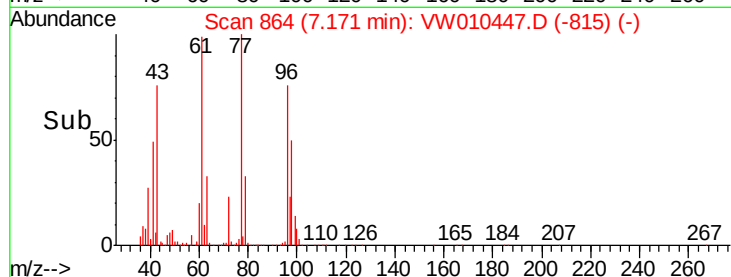
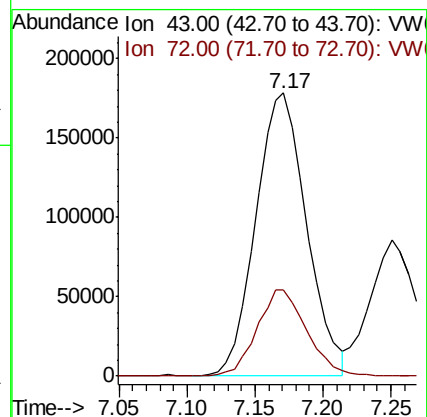
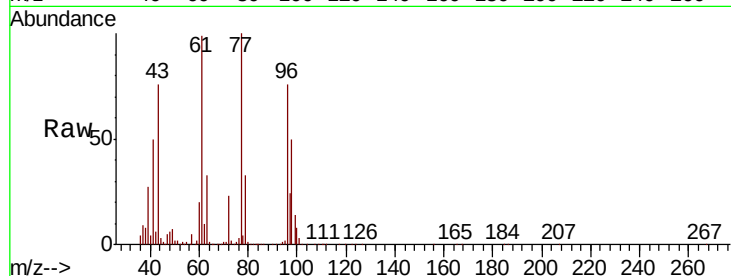
VSTDCCC050

Tot Ion: 43 Resp: 463367

Ion Ratio Lower Upper

43 100

72 30.6 24.1 36.1



#26

2,2-Dichloropropane

Concen: 47.026 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010447.D

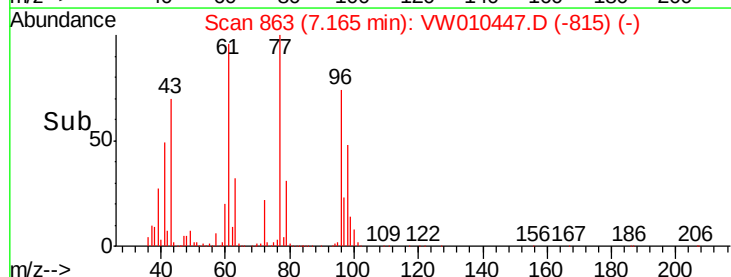
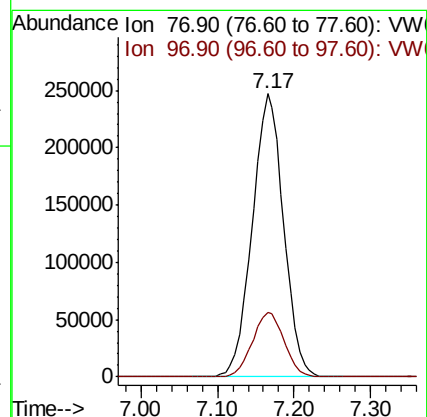
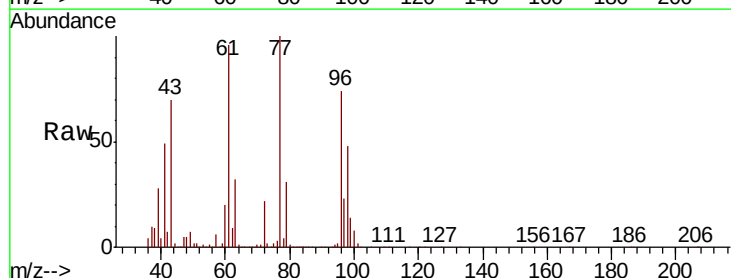
Acq: 20 May 2019 14:06

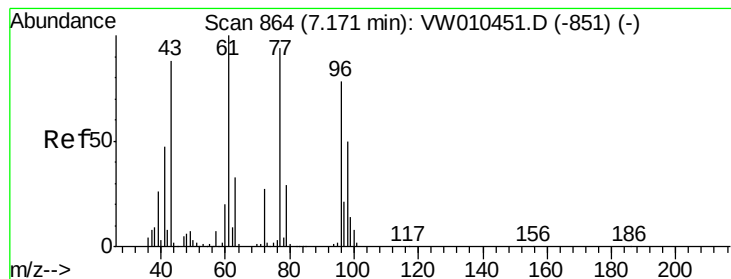
Tgt Ion: 77 Resp: 702743

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



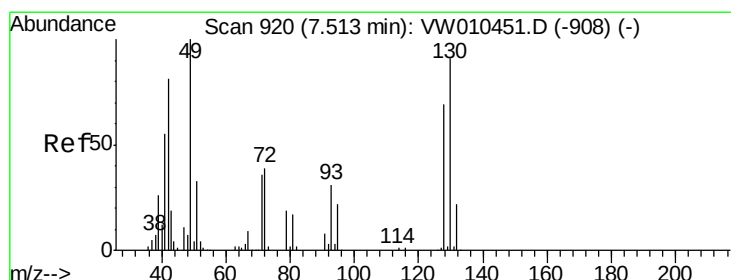
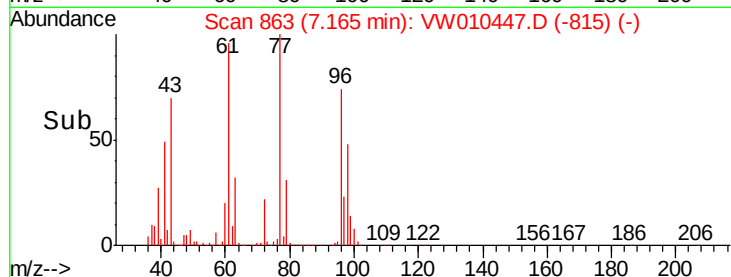
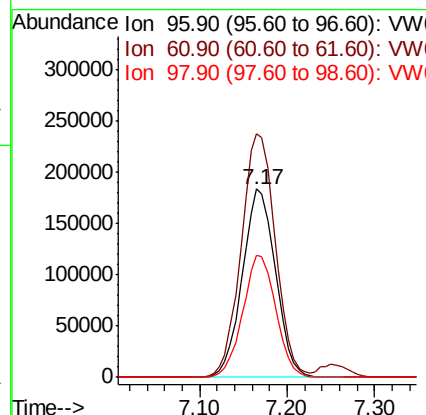
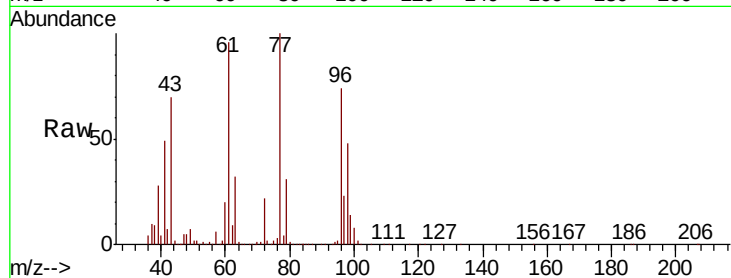


#27

cis-1,2-Dichloroethene
 Concen: 43.659 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

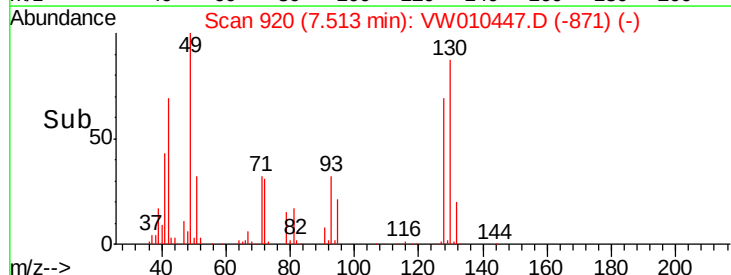
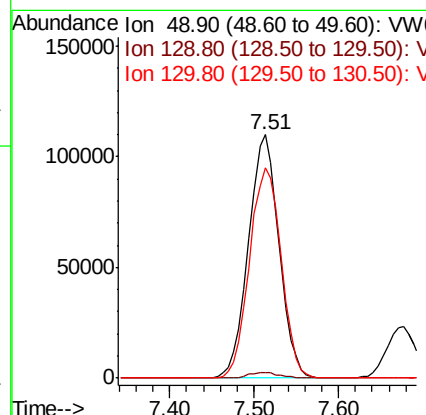
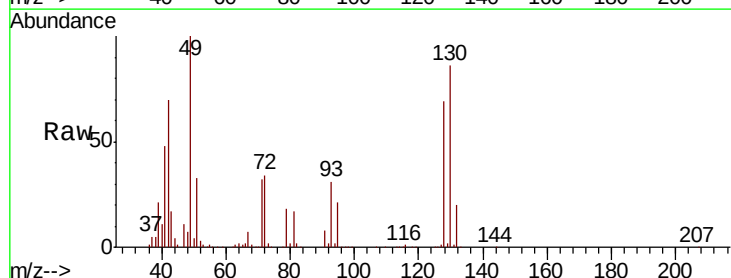
Tot Ion	96	Resp	482231
Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	265.4
98	64.8	0.0	129.4

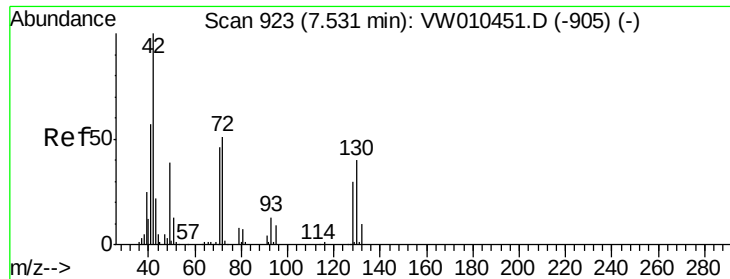


#28

Bromochloromethane
 Concen: 47.892 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Tgt Ion	49	Resp	269005
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	89.9	71.2	106.8

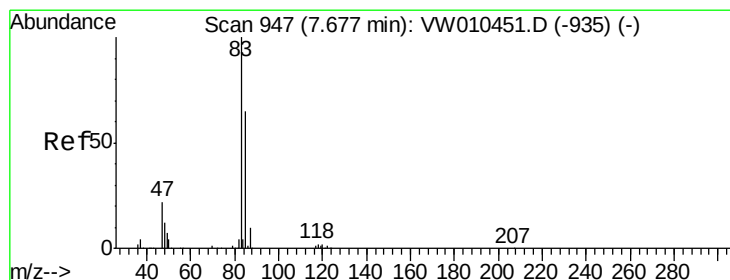
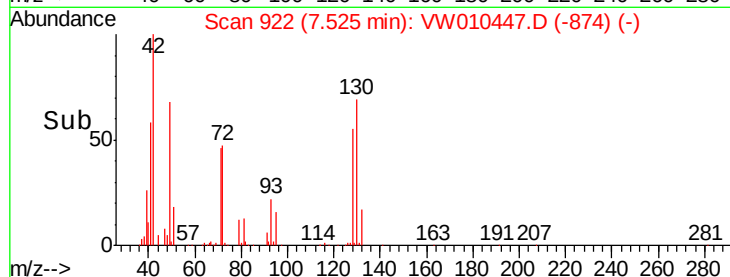
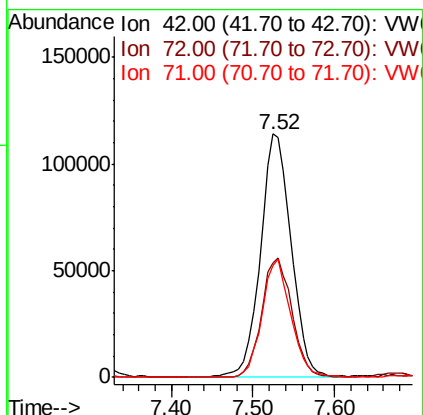
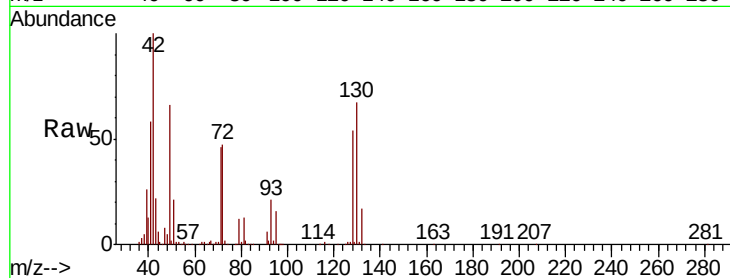




#29
Tetrahydrofuran
Concen: 173.965 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

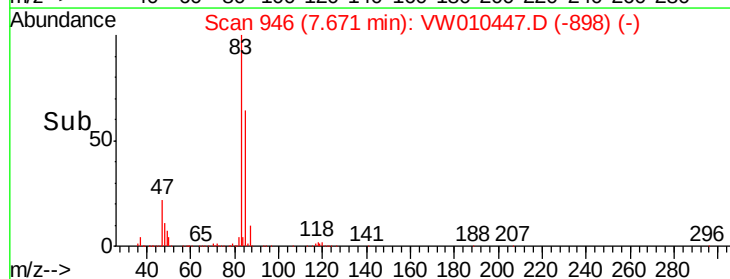
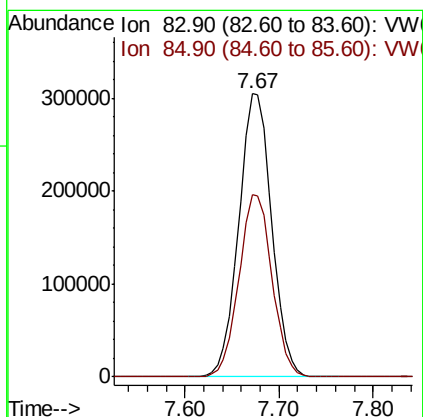
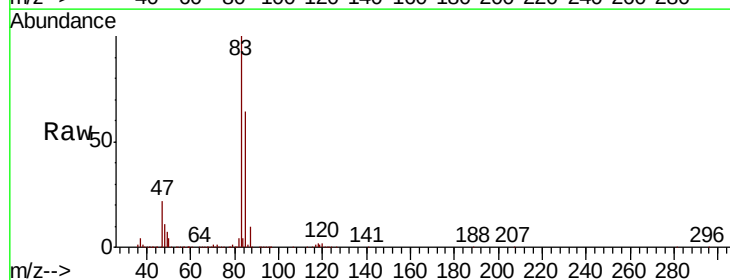
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

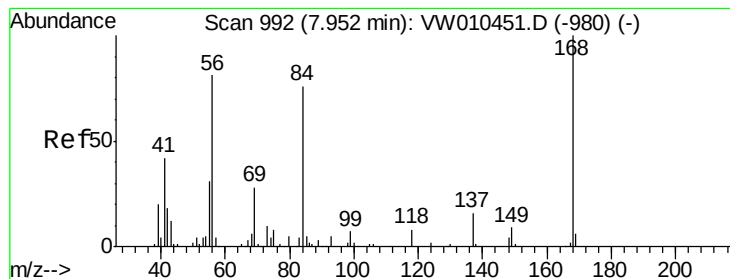
Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	38.5	57.7
71	46.1	36.5	54.7



#30
Chloroform
Concen: 44.027 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4





#31

Cyclohexane

Concen: 40.970 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

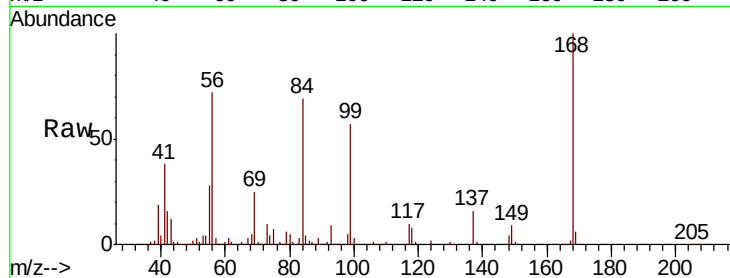
Tot Ion: 56 Resp: 673262

Ion Ratio Lower Upper

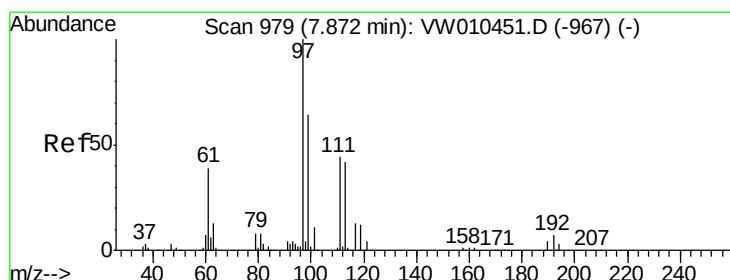
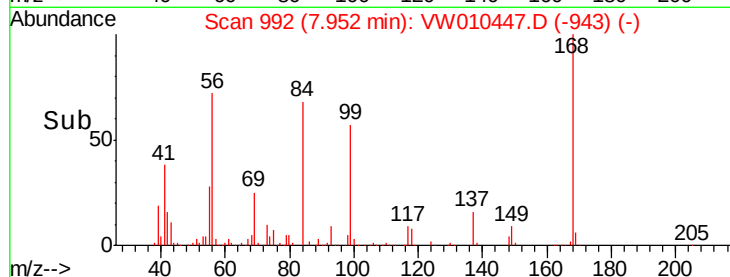
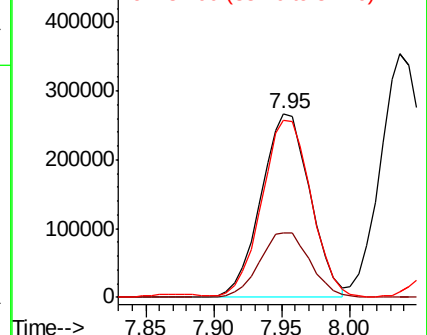
56 100

69 35.3 28.2 42.2

84 94.6 75.8 113.8



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: 44.723 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

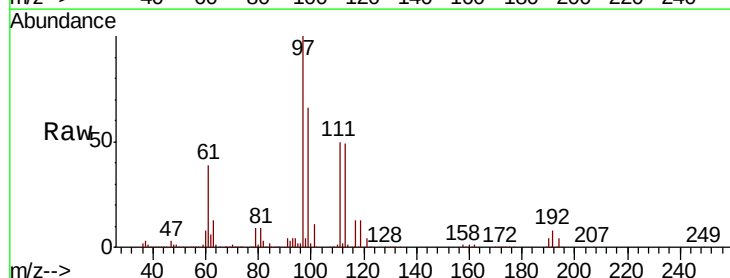
Tgt Ion: 97 Resp: 723335

Ion Ratio Lower Upper

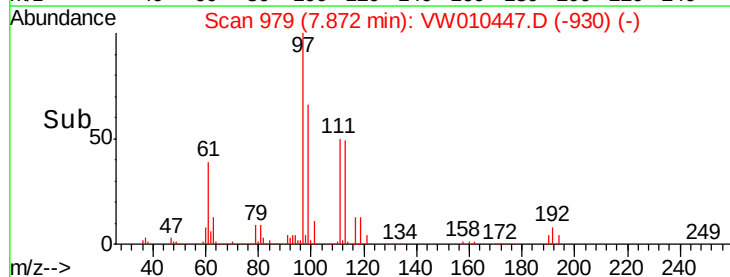
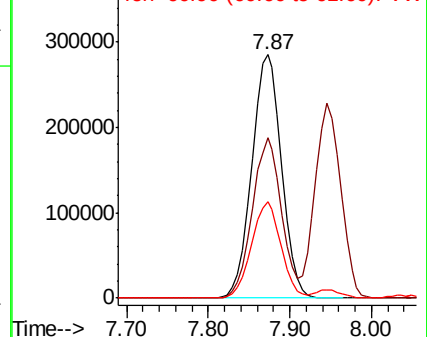
97 100

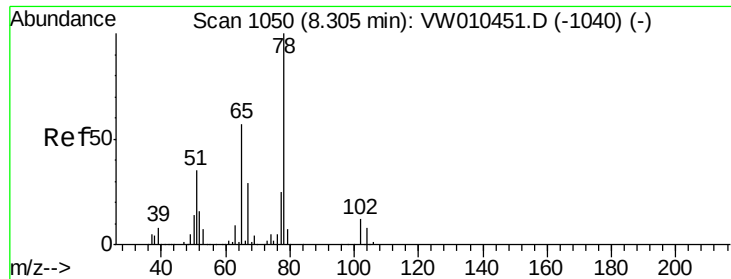
99 64.7 50.8 76.2

61 39.2 32.1 48.1



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

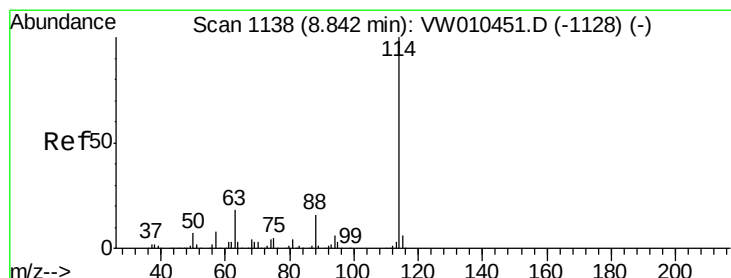
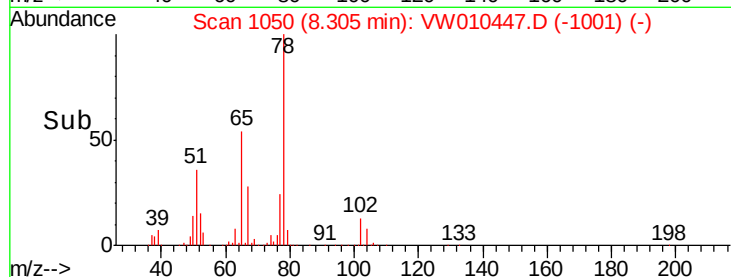
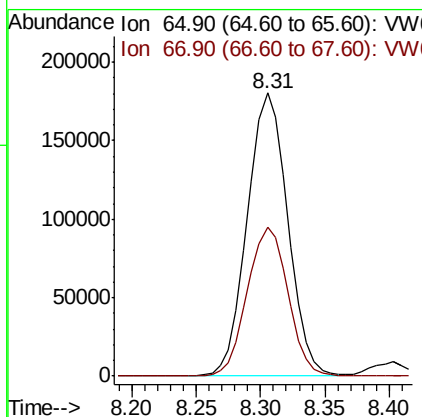
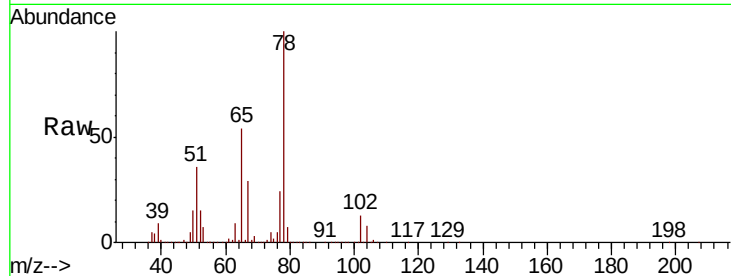




#33
 1,2-Dichloroethane-d4
 Concen: 45.369 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

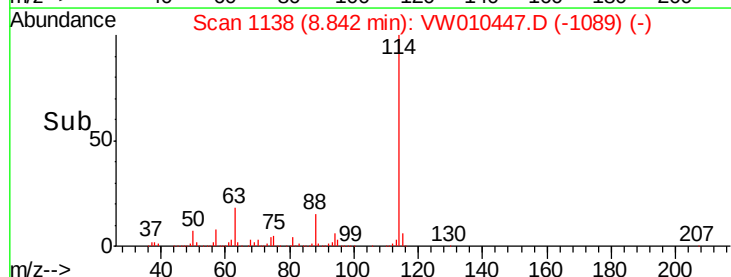
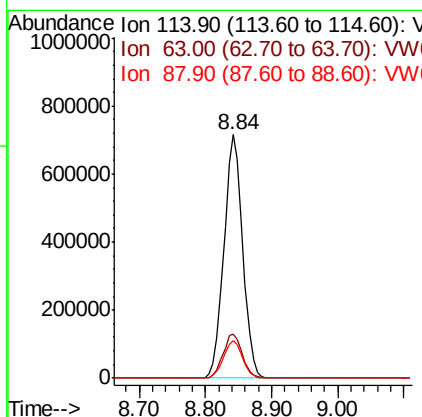
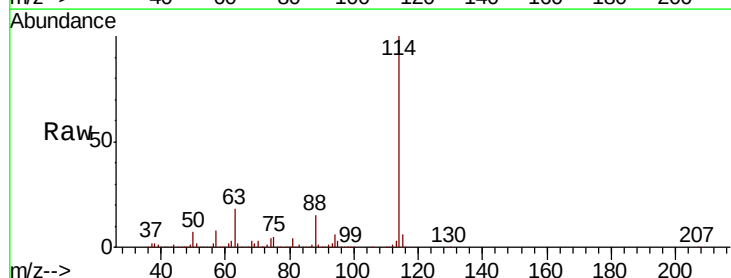
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

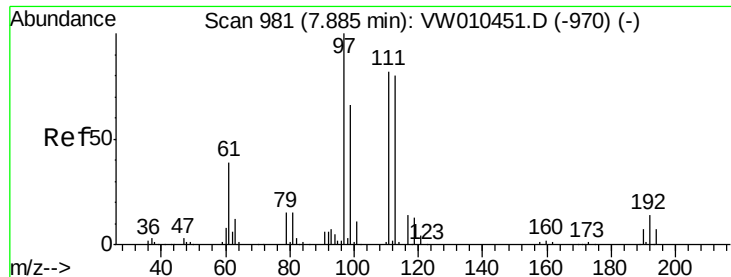
Tot Ion: 65 Resp: 392682
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Tgt Ion: 114 Resp: 1400414
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.0
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.074 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

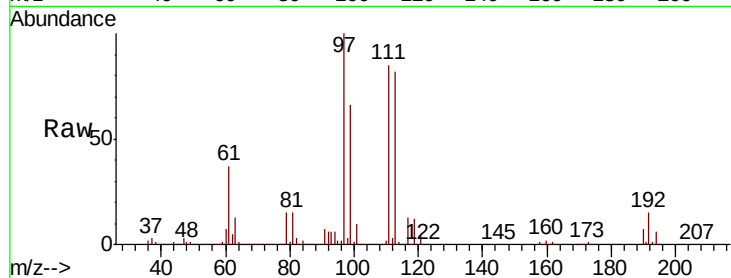
Tot Ion:113 Resp: 425502

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

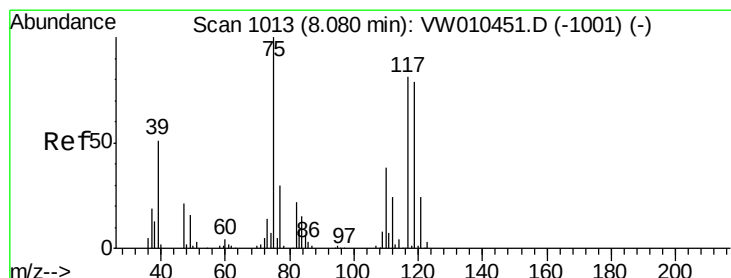
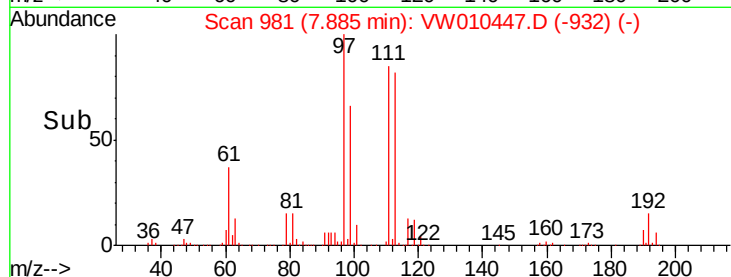
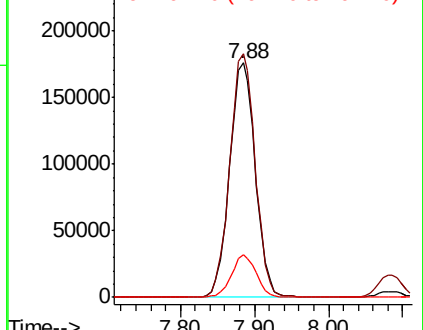
192 17.5 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.212 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

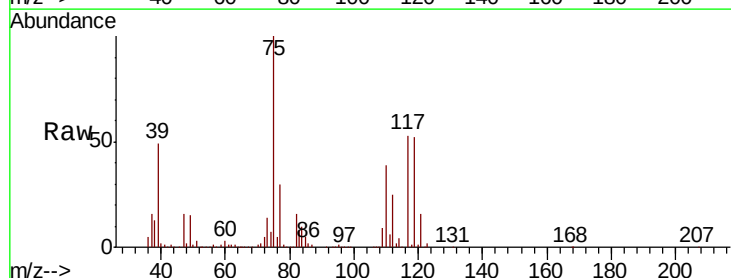
Tgt Ion: 75 Resp: 589820

Ion Ratio Lower Upper

75 100

110 38.6 19.2 57.6

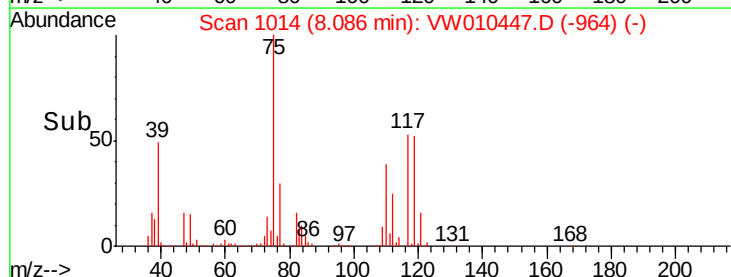
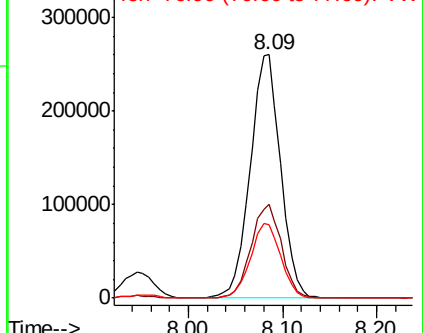
77 31.3 25.2 37.8

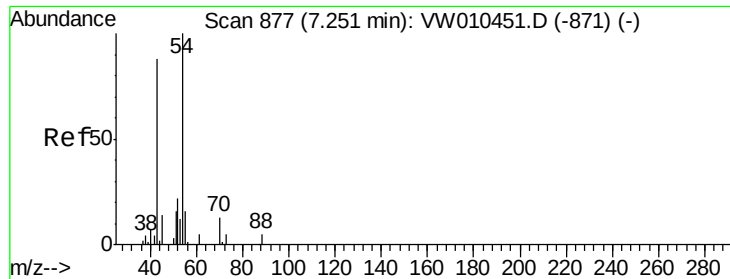


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

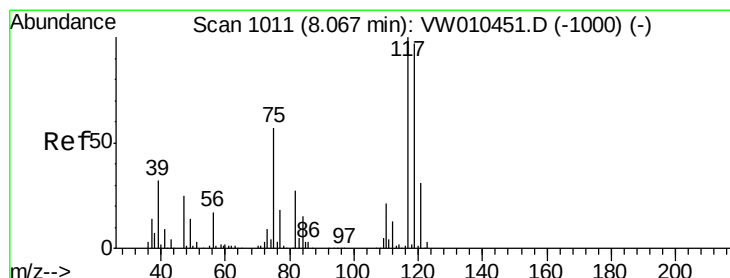
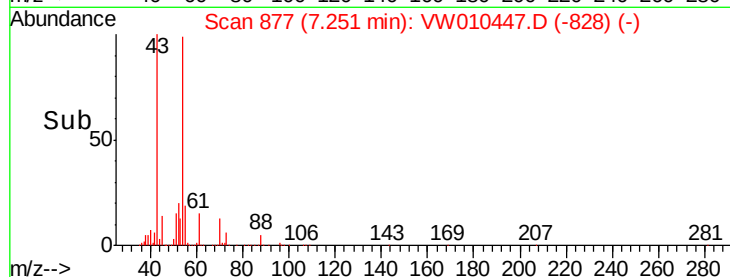
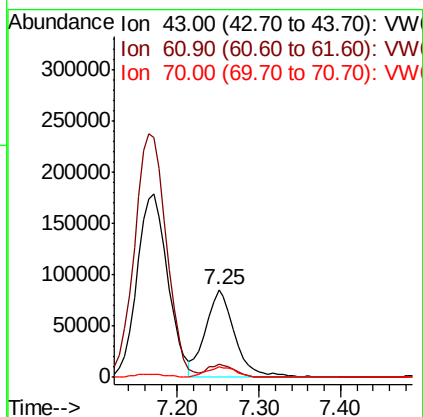
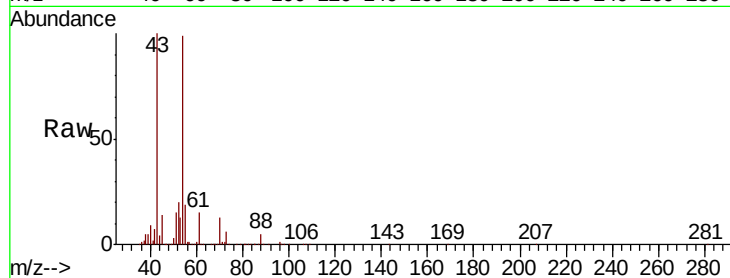




#37
Ethyl Acetate
Concen: 38.276 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

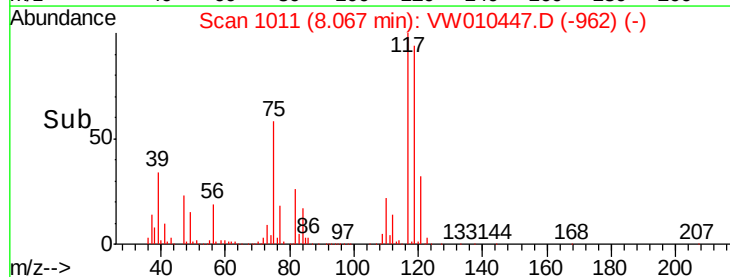
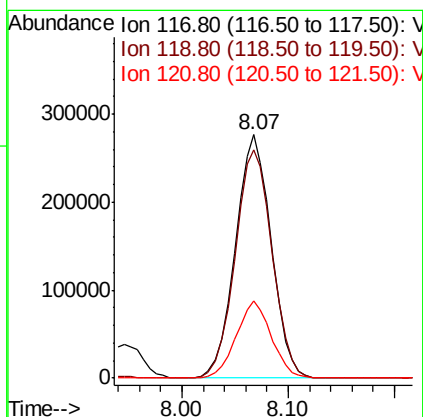
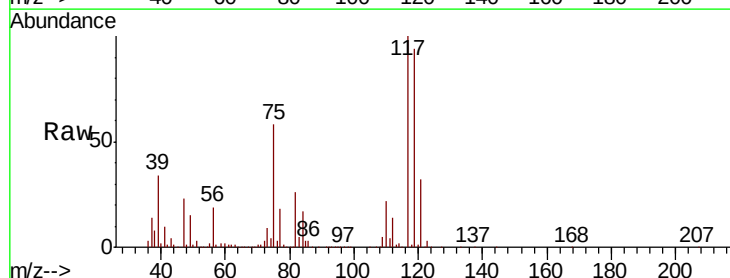
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

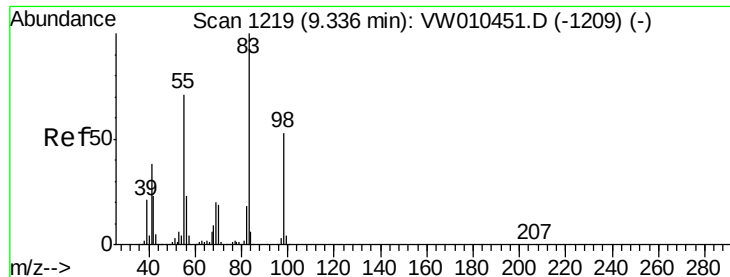
Tot Ion: 43 Resp: 212338
Ion Ratio Lower Upper
43 100
61 13.7 11.2 16.8
70 12.0 9.9 14.9



#38
Carbon Tetrachloride
Concen: 46.261 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Tgt Ion: 117 Resp: 651027
Ion Ratio Lower Upper
117 100
119 93.9 77.4 116.0
121 31.7 25.0 37.6

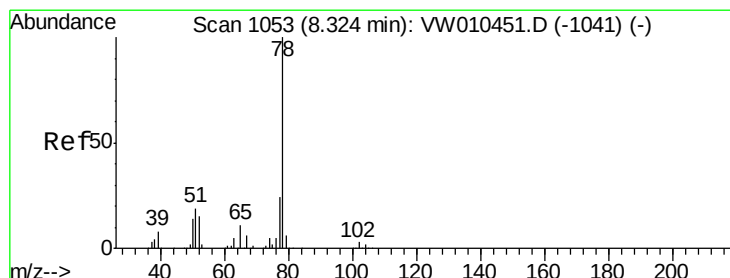
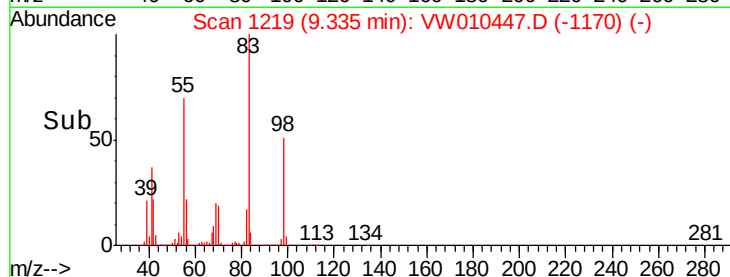
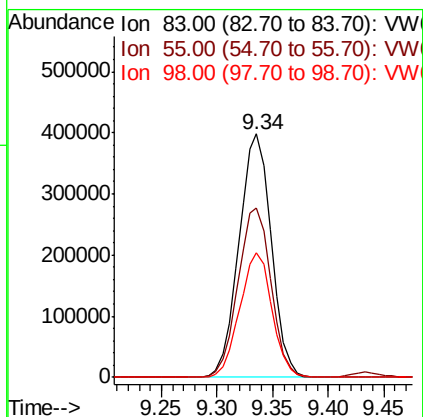
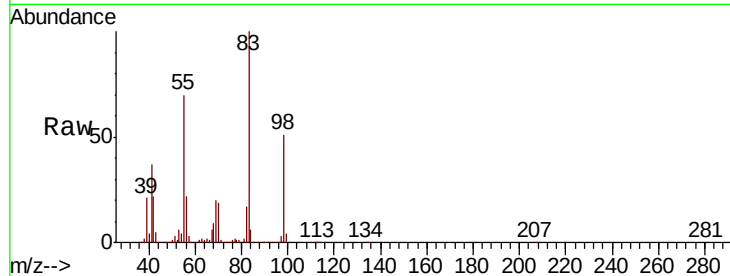




#39
Methylvlcyclohexane
Concen: 45.889 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

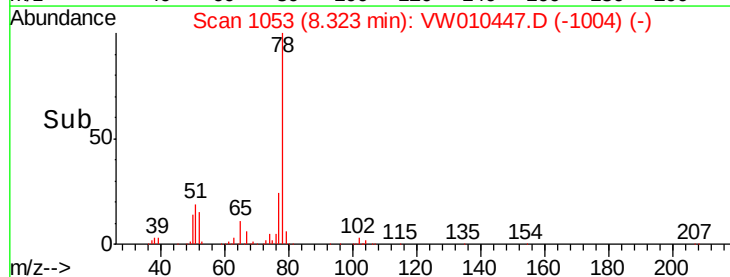
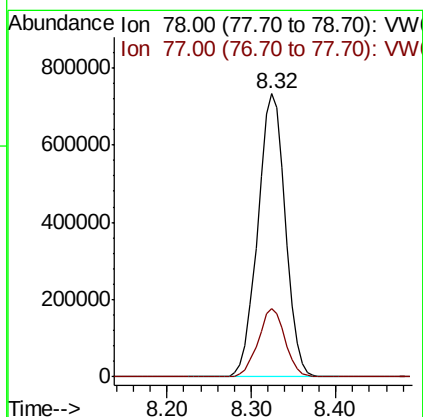
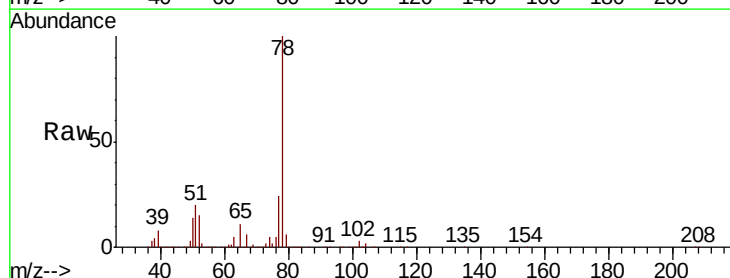
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

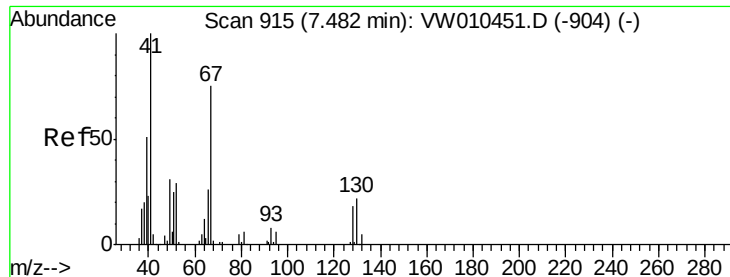
Tot Ion: 83 Resp: 802049
Ion Ratio Lower Upper
83 100
55 69.6 57.0 85.6
98 51.1 42.0 63.0



#40
Benzene
Concen: 45.199 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Tgt Ion: 78 Resp: 1638902
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3

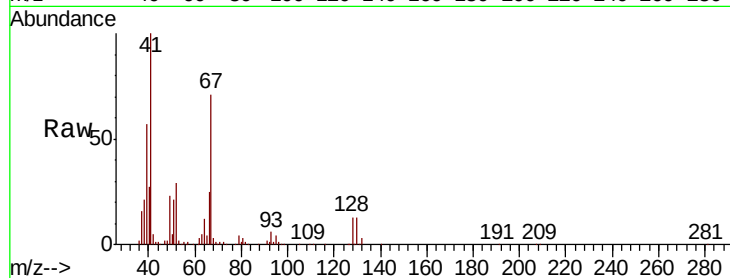




#41
Methacrylonitrile
Concen: 42.756 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	140933
Ion	Ratio	Lower	Upper
41	100		
39	54.4	47.4	71.2
67	70.7	65.5	98.3
52	28.1	25.0	37.4



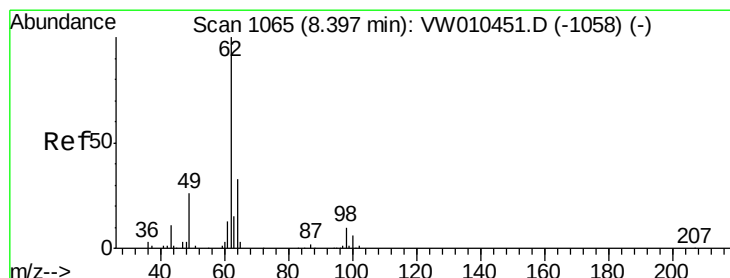
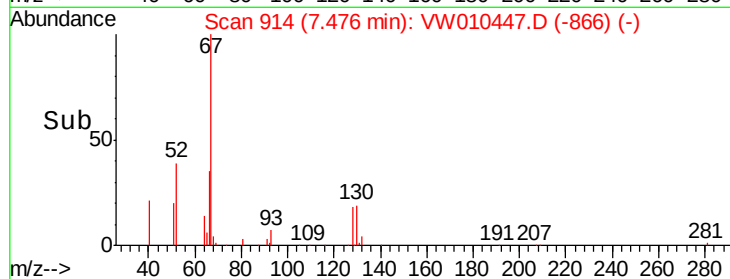
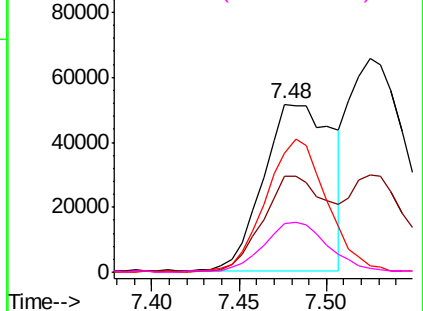
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

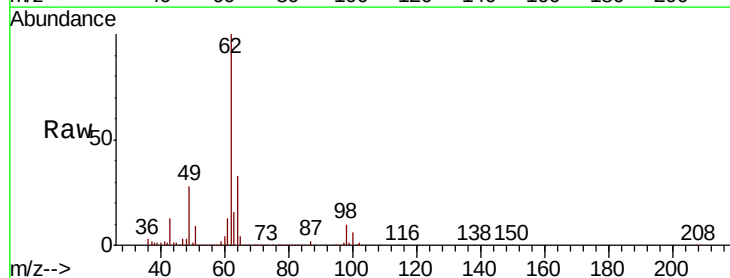
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 42.510 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

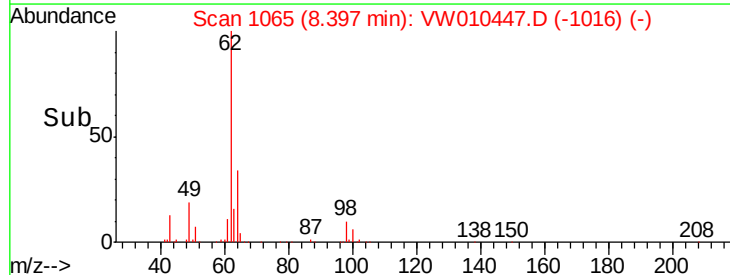
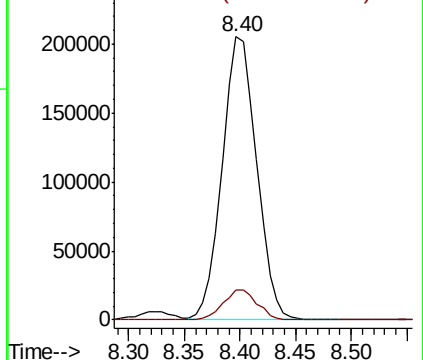
Tgt Ion:	62	Resp:	440548
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0

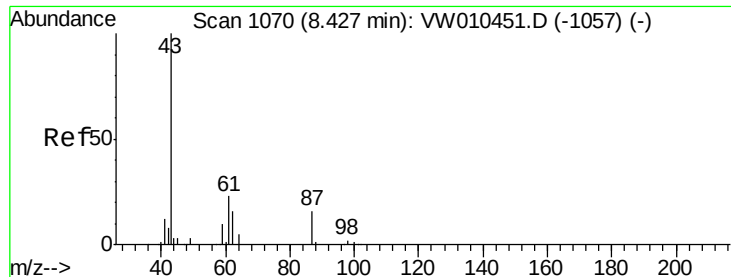


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 38.928 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

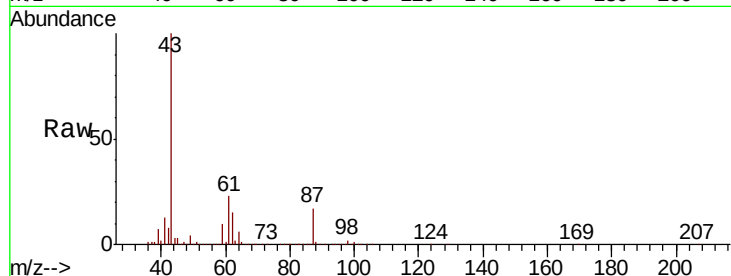
Tot Ion: 43 Resp: 431433

Ion Ratio Lower Upper

43 100

61 32.3 25.4 38.2

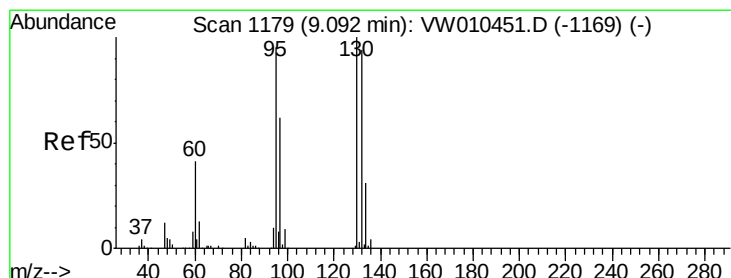
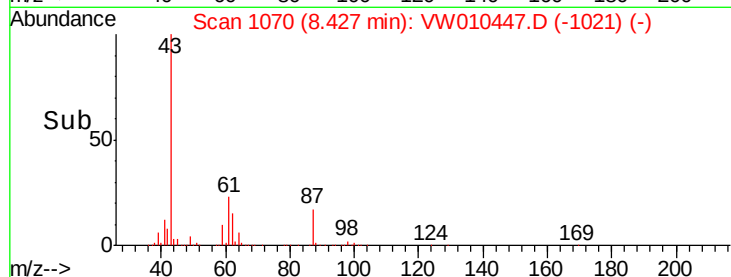
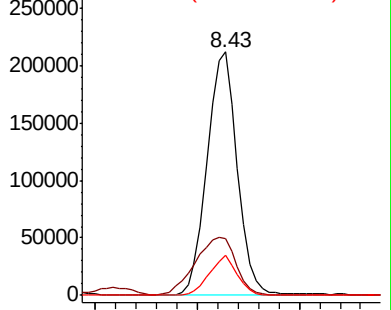
87 15.1 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 45.135 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010447.D

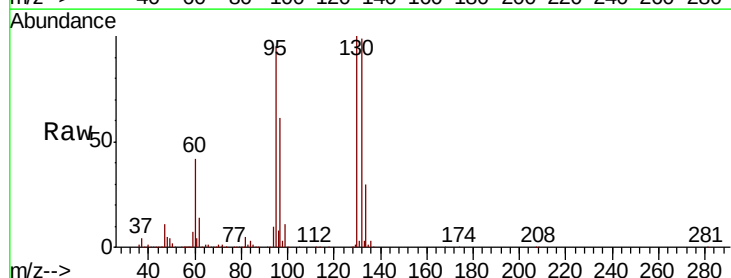
Acq: 20 May 2019 14:06

Tgt Ion: 130 Resp: 485863

Ion Ratio Lower Upper

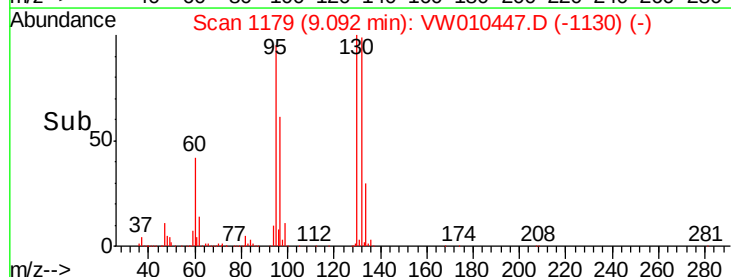
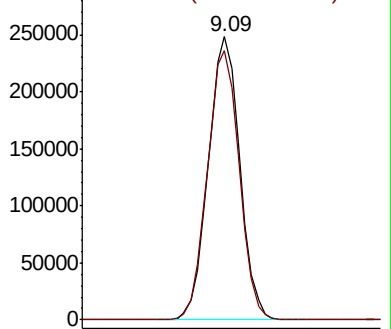
130 100

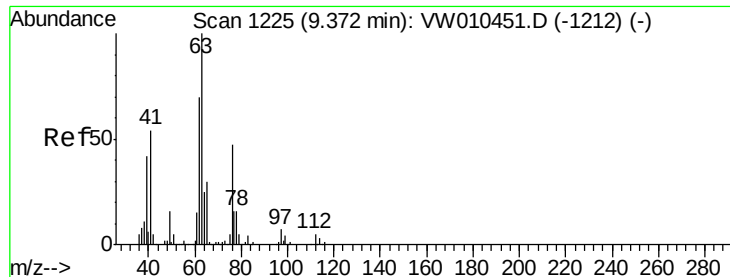
95 94.9 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 44.986 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

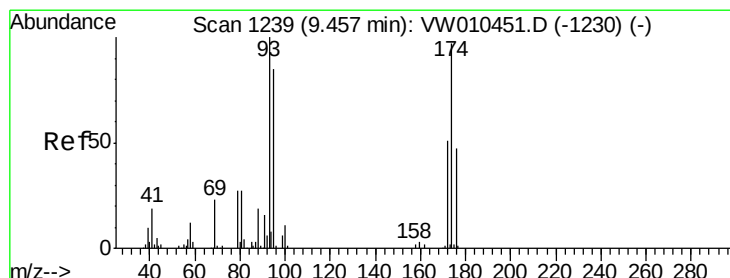
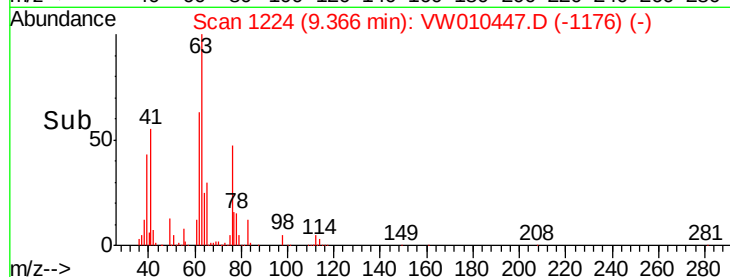
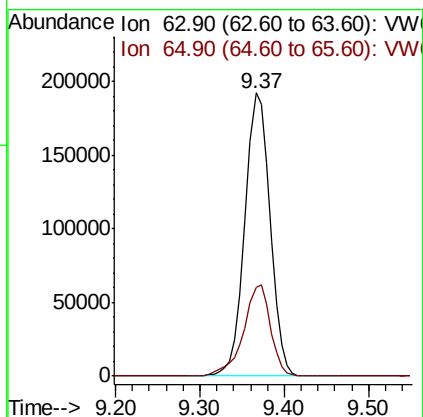
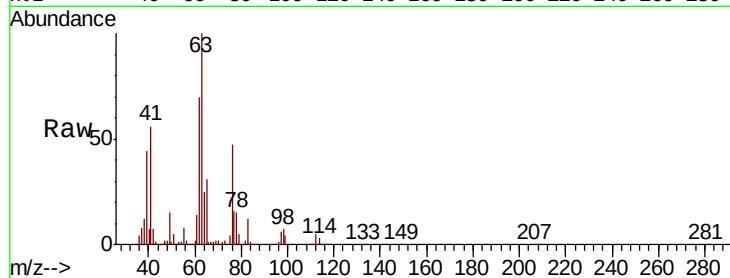
VSTDCCC050

Tot Ion: 63 Resp: 387395

Ion Ratio Lower Upper

63 100

65 31.4 24.3 36.5



#46

Dibromomethane

Concen: 41.756 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

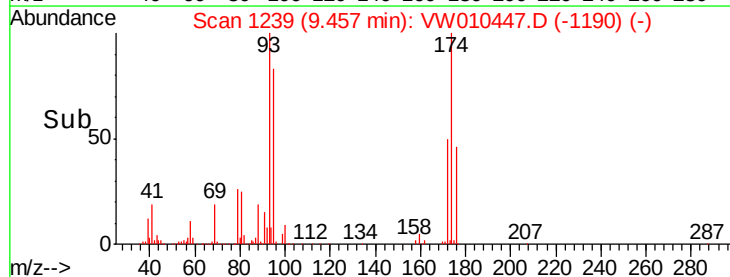
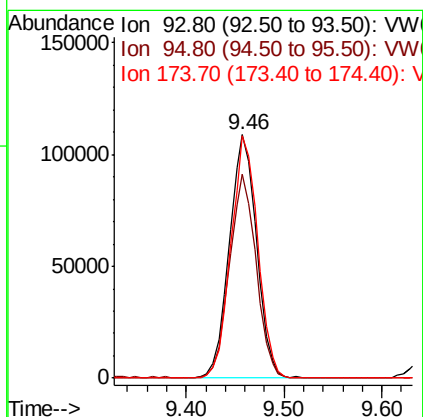
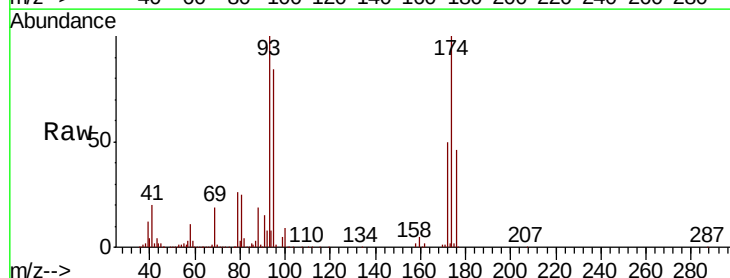
Tgt Ion: 93 Resp: 210290

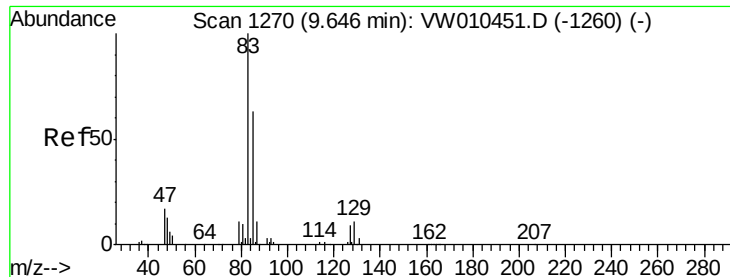
Ion Ratio Lower Upper

93 100

95 81.7 66.1 99.1

174 98.2 77.1 115.7

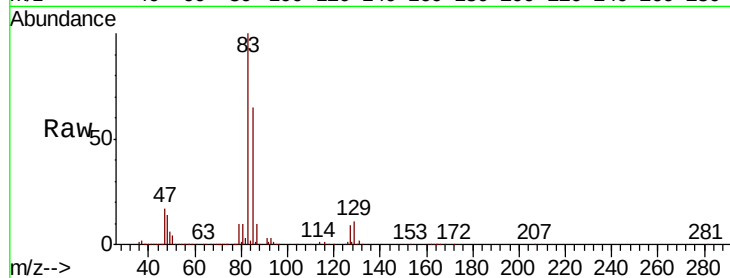




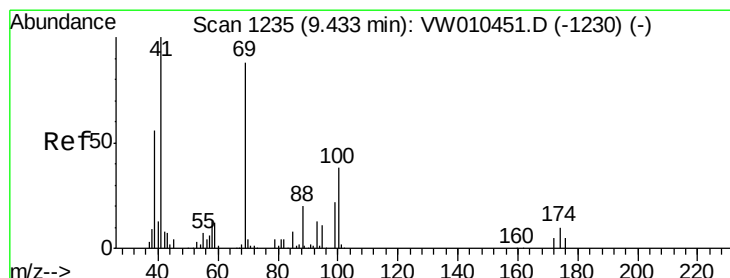
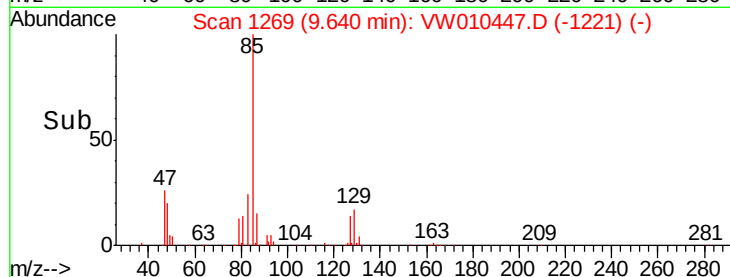
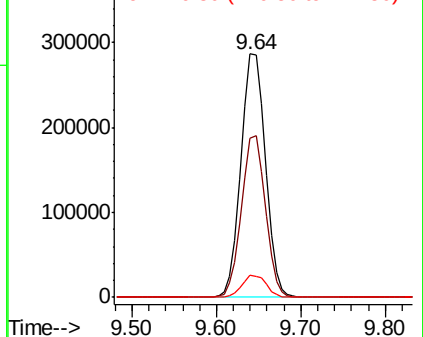
#47
 Bromodichloromethane
 Concen: 44.112 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	558280
Ion Ratio	100		
85	65.4	50.4	75.6
127	9.0	7.4	11.0

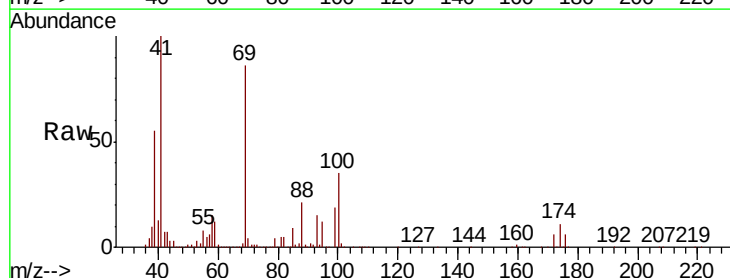


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): VW

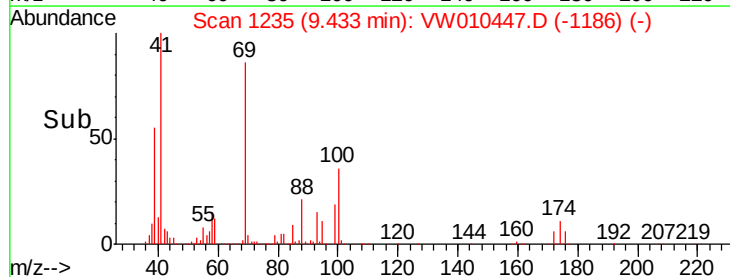
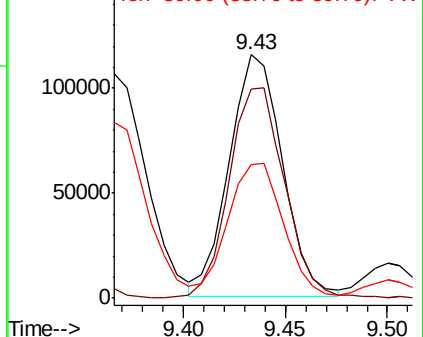


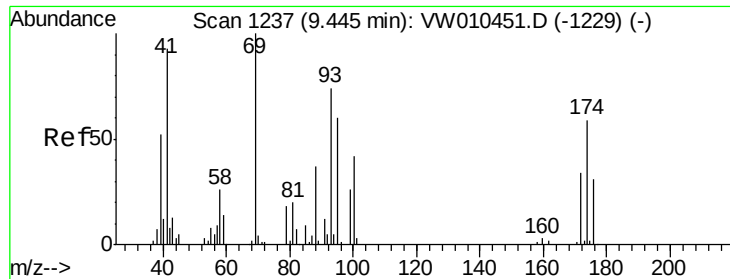
#48
 Methyl methacrylate
 Concen: 41.369 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Tgt Ion	41	Resp	209754
Ion Ratio	100		
69	89.7	77.6	116.4
39	55.6	49.8	74.8



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

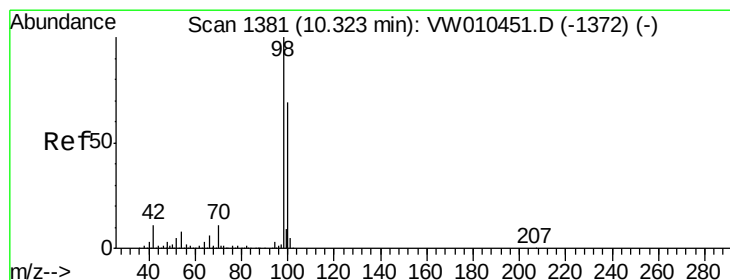
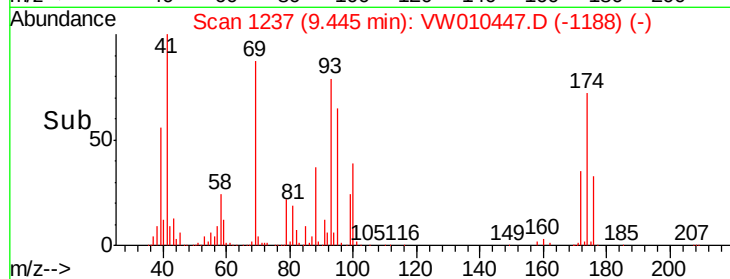
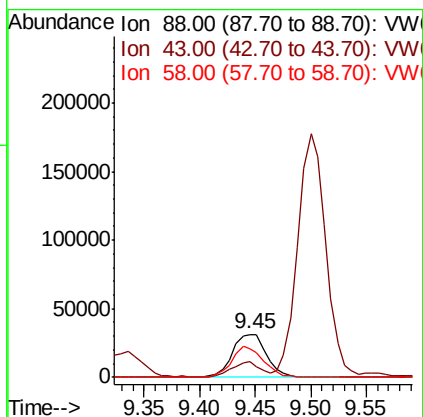
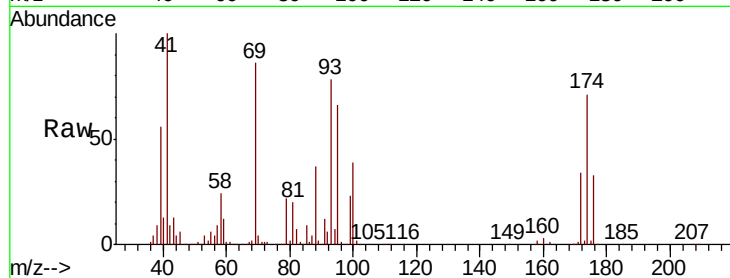




#49
1,4-Dioxane
Concen: 813.023 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

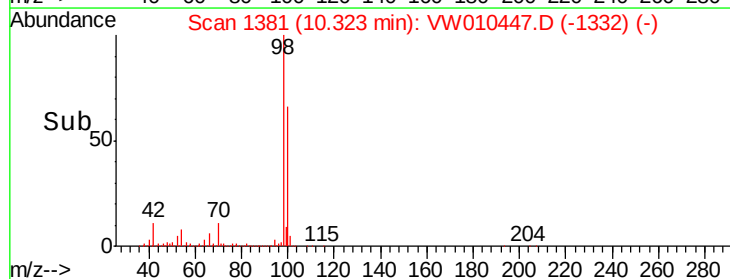
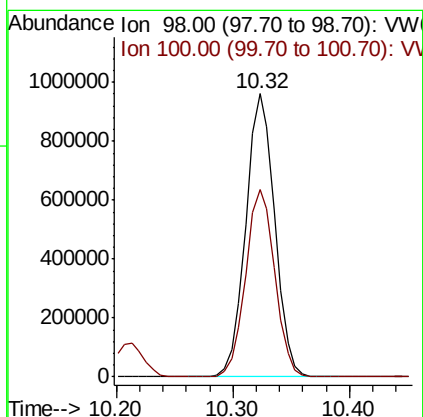
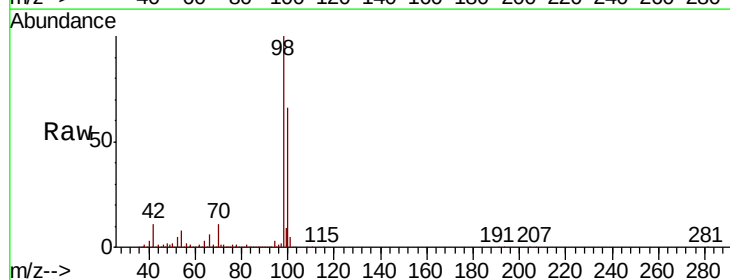
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

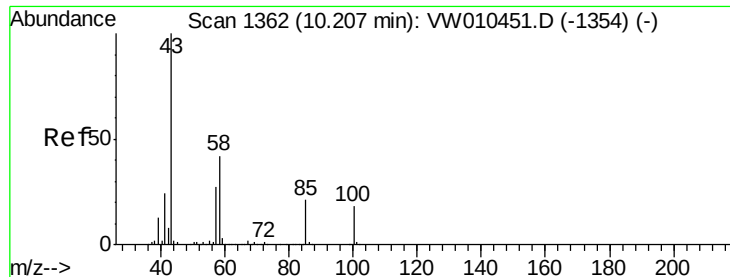
Tot Ion: 88 Resp: 66887
Ion Ratio Lower Upper
88 100
43 27.8 25.9 38.9
58 66.5 52.7 79.1



#50
Toluene-d8
Concen: 51.337 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Tgt Ion: 98 Resp: 1666519
Ion Ratio Lower Upper
98 100
100 66.8 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 190.326 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

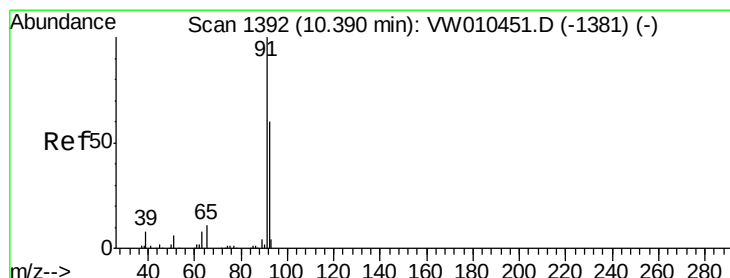
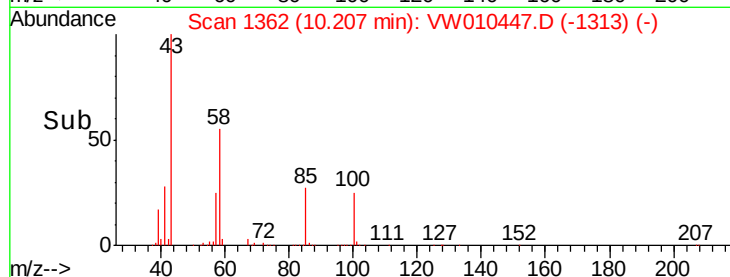
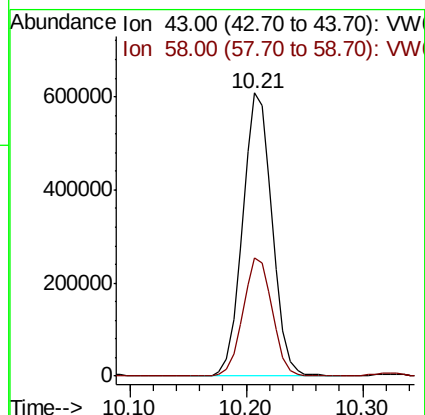
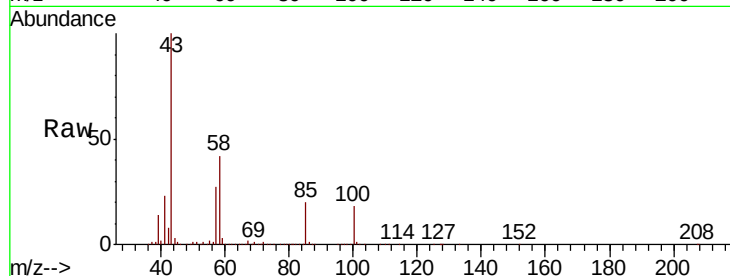
VSTDCCC050

Tot Ion: 43 Resp: 1068861

Ion Ratio Lower Upper

43 100

58 41.5 33.2 49.8



#52

Toluene

Concen: 44.772 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010447.D

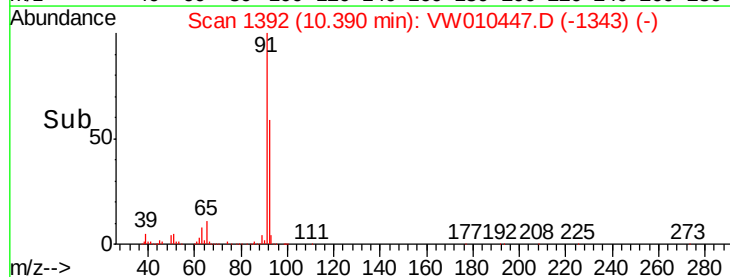
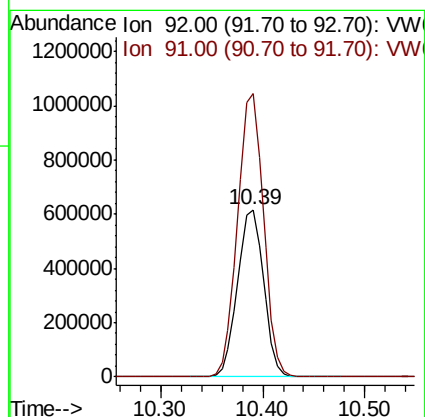
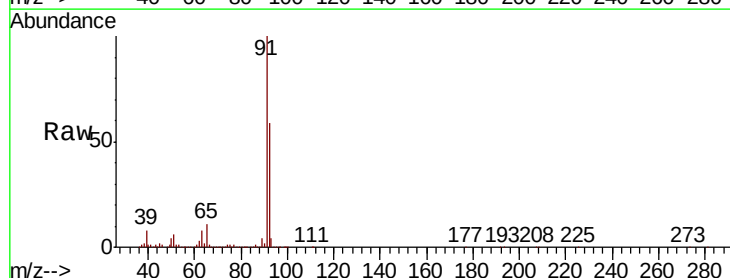
Acq: 20 May 2019 14:06

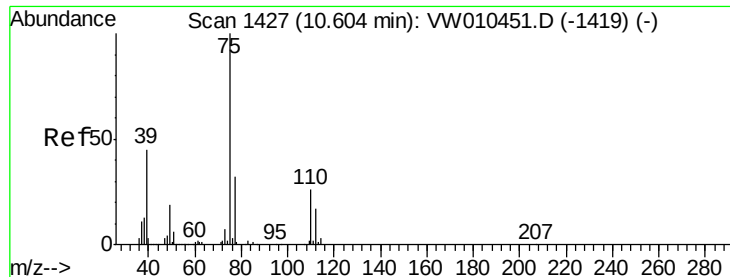
Tgt Ion: 92 Resp: 1090232

Ion Ratio Lower Upper

92 100

91 168.9 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 42.970 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

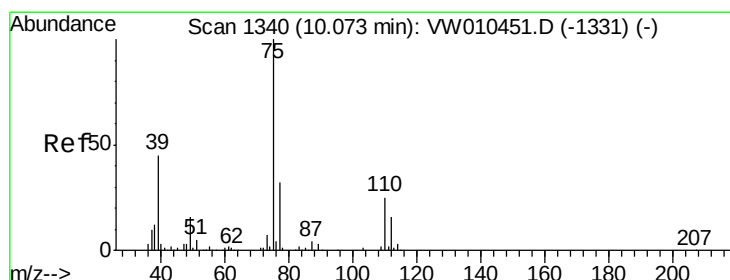
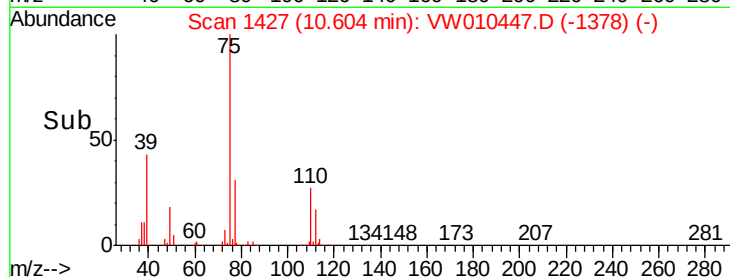
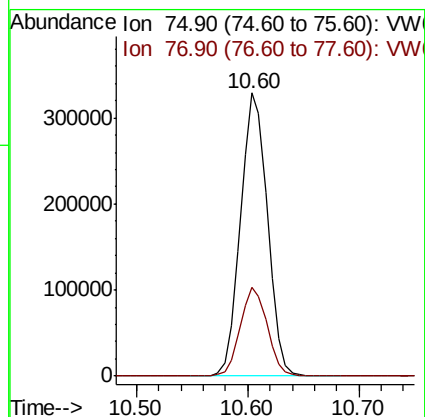
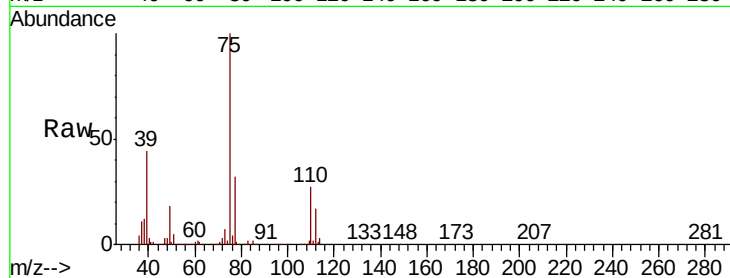
VSTDCCC050

Tot Ion: 75 Resp: 550766

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 45.277 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

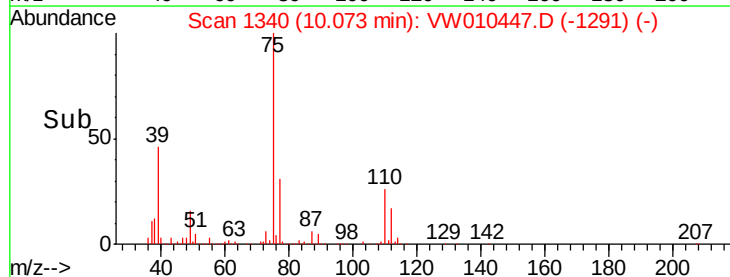
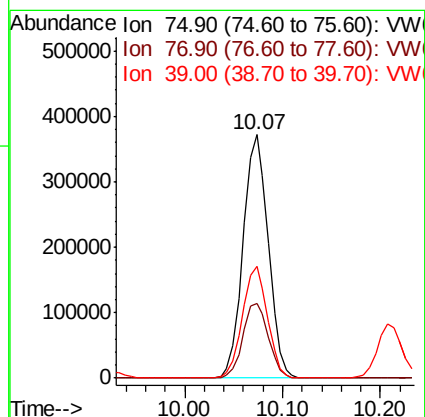
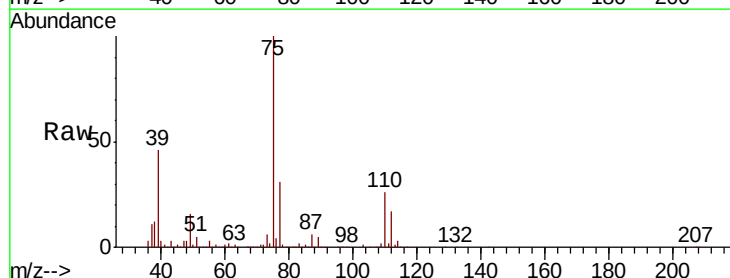
Tgt Ion: 75 Resp: 662781

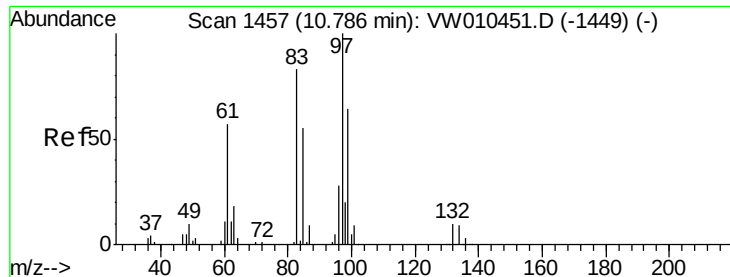
Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5

39 45.6 36.2 54.4

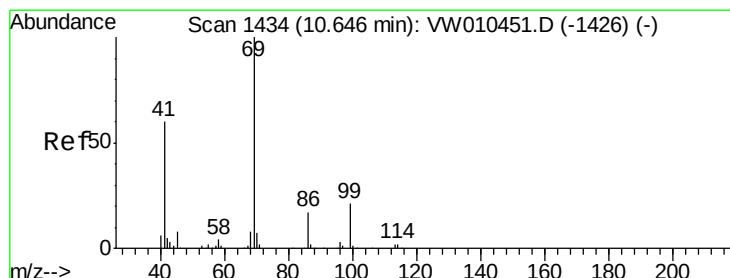
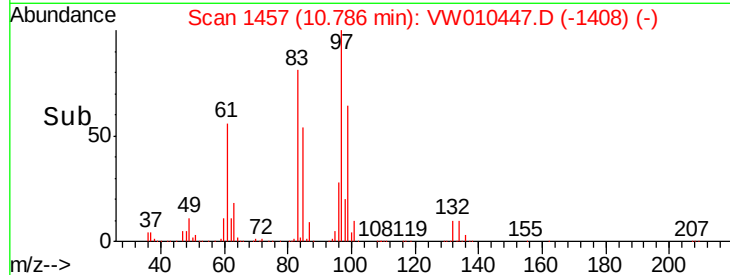
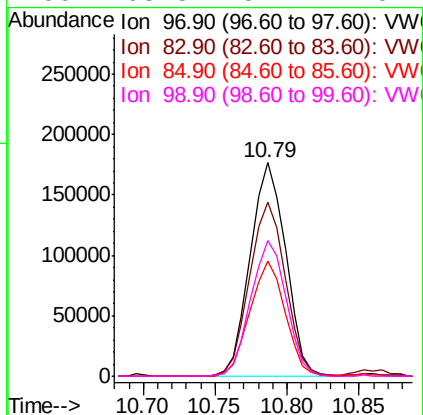
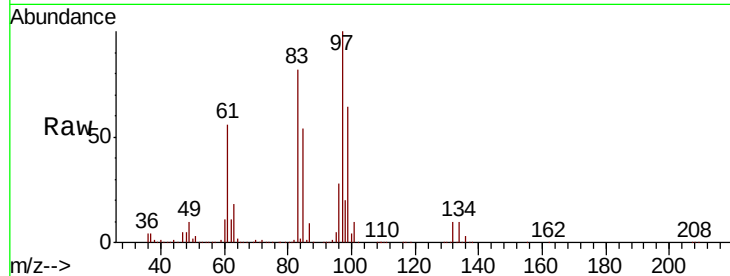




#55
 1,1,2-Trichloroethane
 Concen: 41.662 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

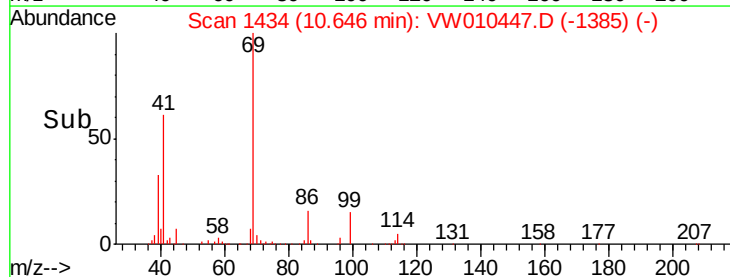
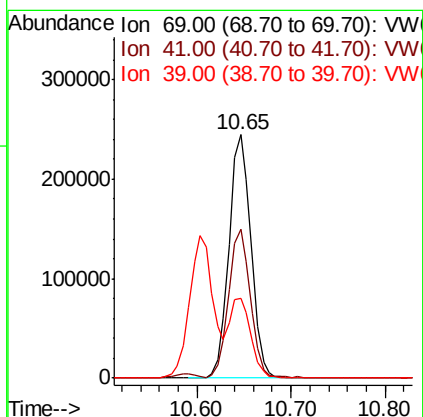
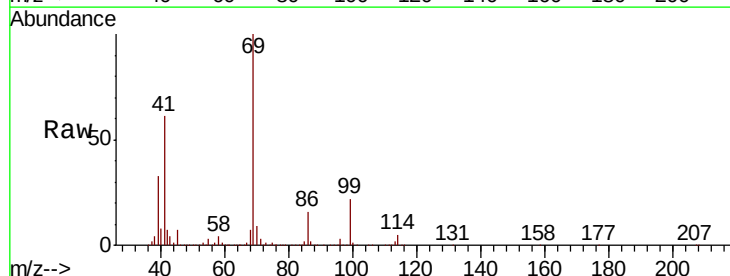
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

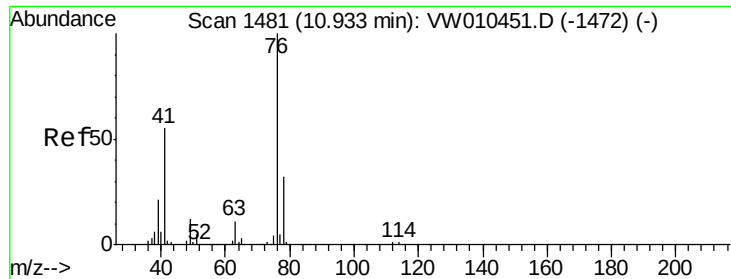
Tot Ion:	97	Resp:	301722
Ion	Ratio	Lower	Upper
97	100		
83	81.5	66.1	99.1
85	53.9	44.2	66.4
99	63.8	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 39.584 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Tgt Ion:	69	Resp:	395372
Ion	Ratio	Lower	Upper
69	100		
41	60.1	47.7	71.5
39	31.6	25.3	37.9

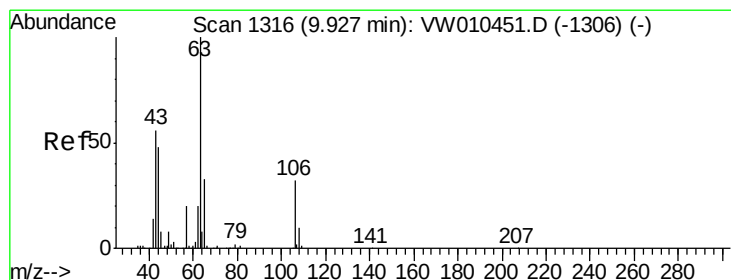
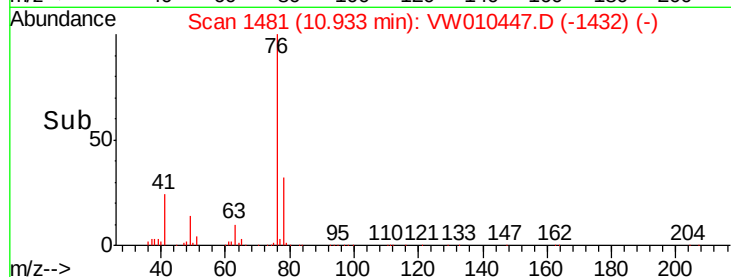
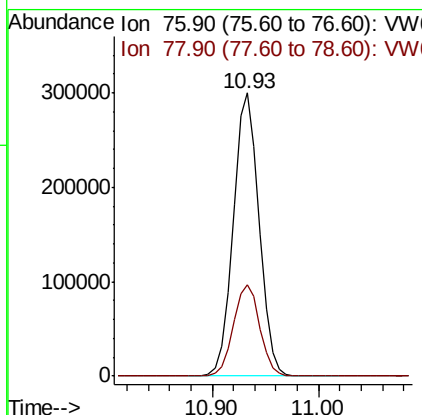
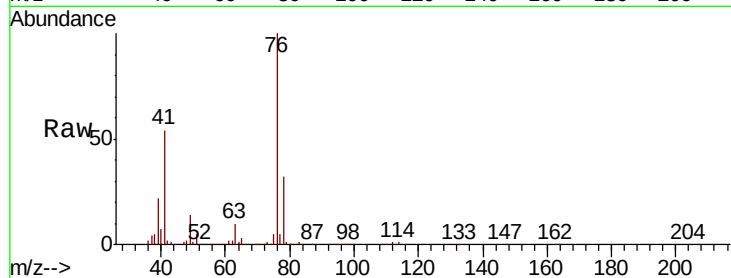




#57
 1,3-Dichloropropane
 Concen: 41.982 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

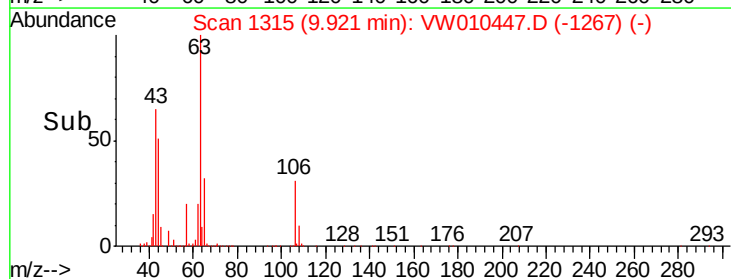
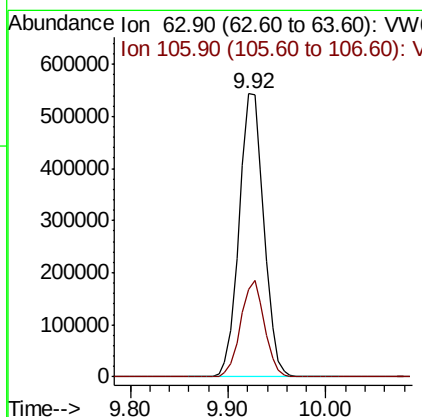
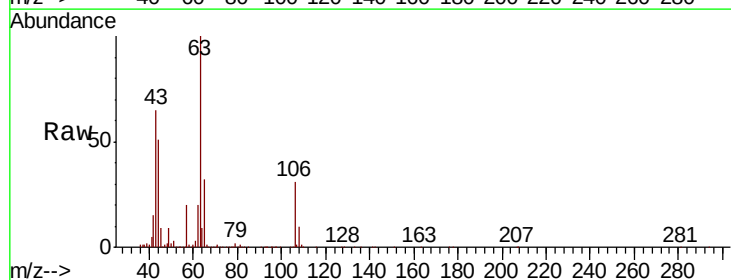
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

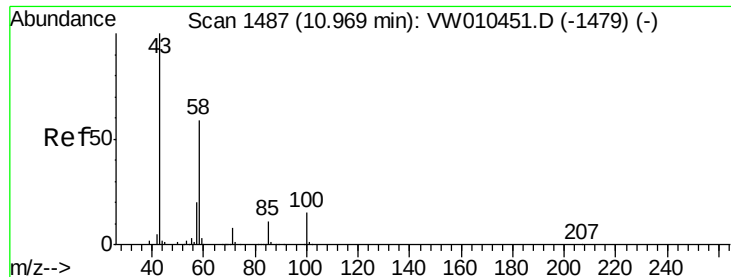
Tot Ion: 76 Resp: 509284
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 215.560 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Tgt Ion: 63 Resp: 953642
 Ion Ratio Lower Upper
 63 100
 106 32.7 25.8 38.6





#59

2-Hexanone

Concen: 189.055 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

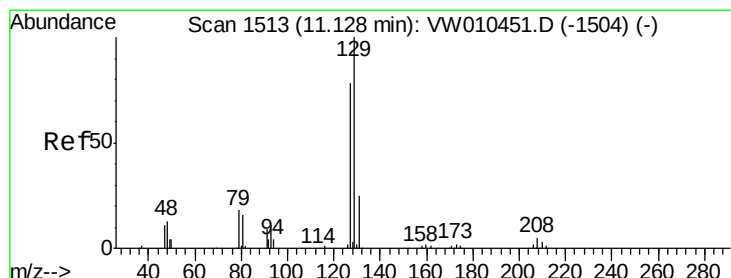
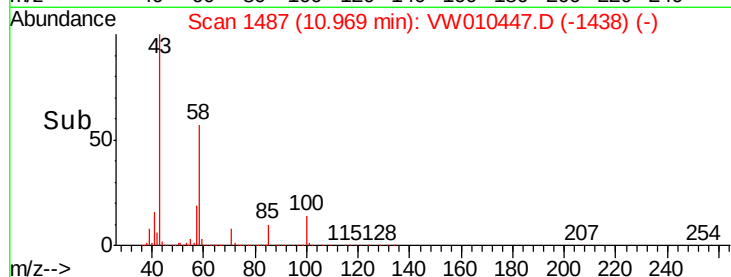
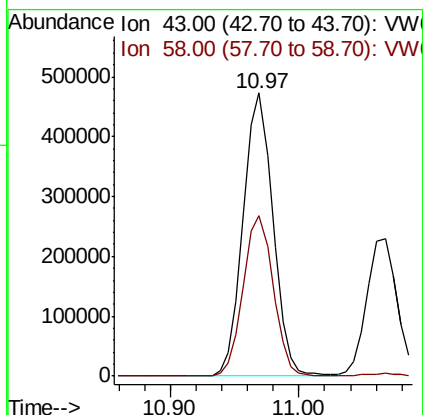
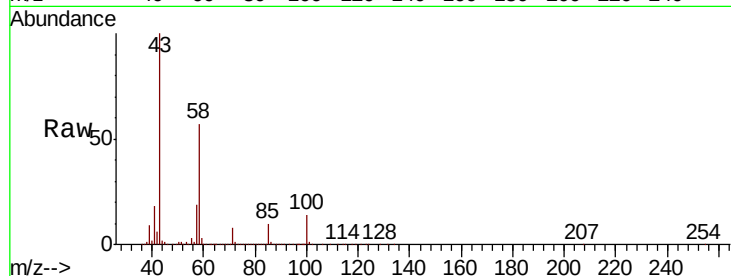
VSTDCCC050

Tot Ion: 43 Resp: 757378

Ion Ratio Lower Upper

43 100

58 57.3 28.9 86.8



#60

Dibromochloromethane

Concen: 43.221 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010447.D

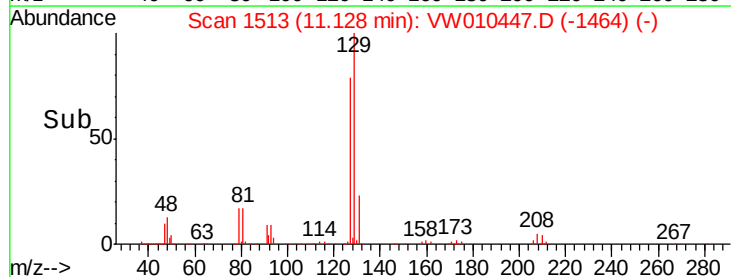
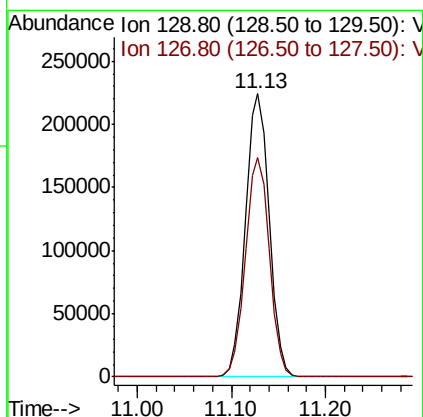
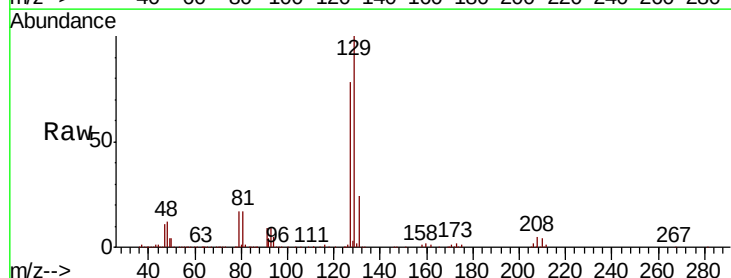
Acq: 20 May 2019 14:06

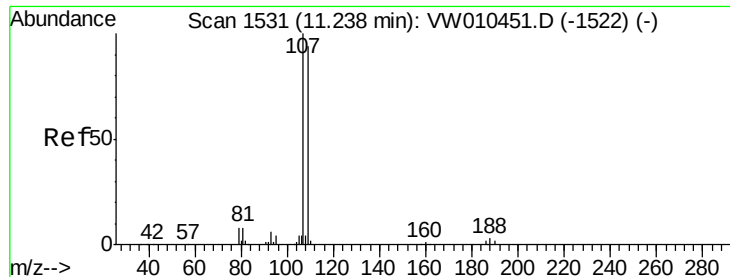
Tgt Ion: 129 Resp: 396148

Ion Ratio Lower Upper

129 100

127 78.3 38.9 116.7

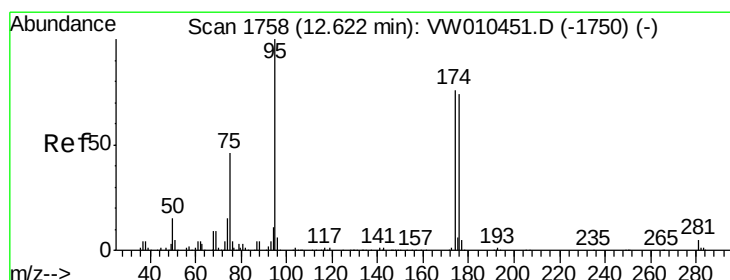
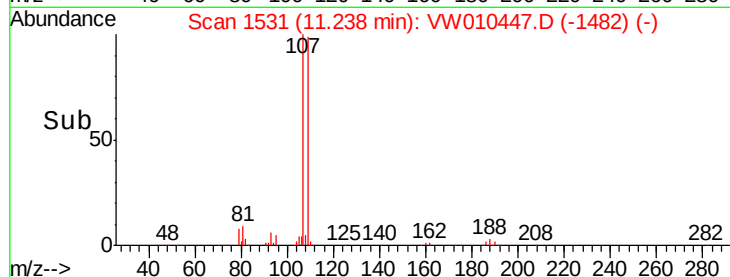
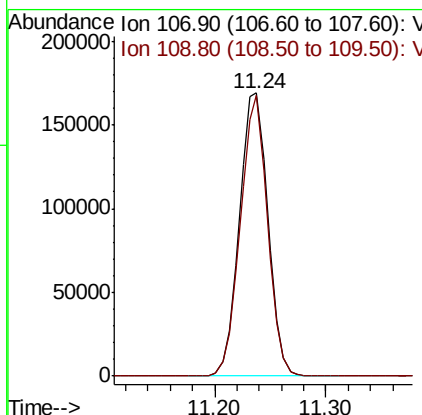
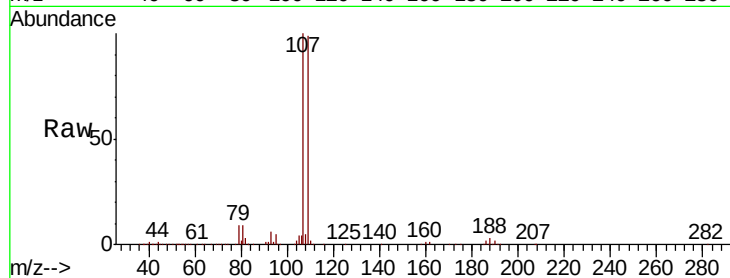




#61
 1,2-Dibromoethane
 Concen: 40.920 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

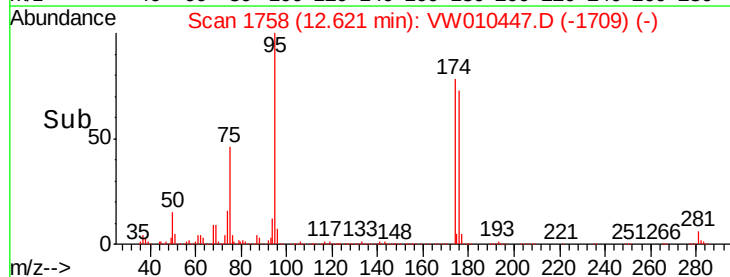
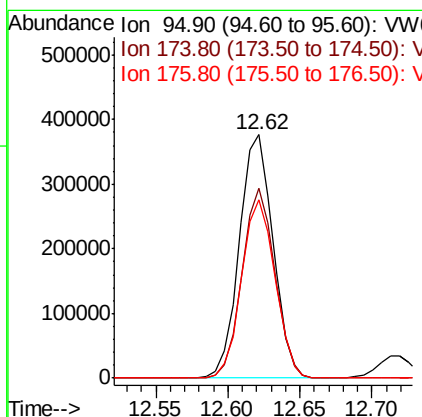
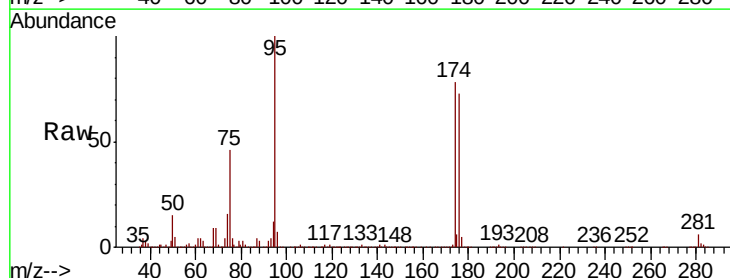
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

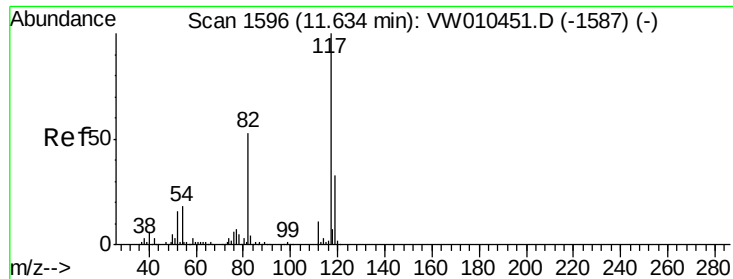
Tot Ion: 107 Resp: 300197
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 47.265 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Tgt Ion: 95 Resp: 611142
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 148.6
 176 72.4 0.0 144.2

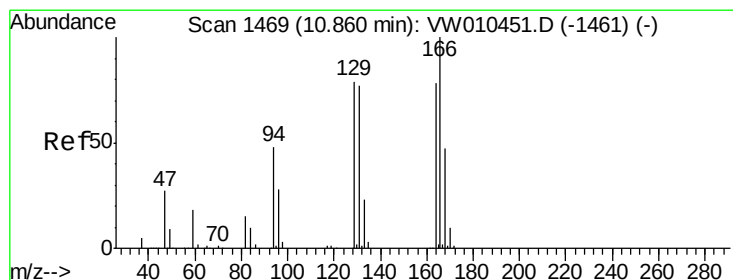
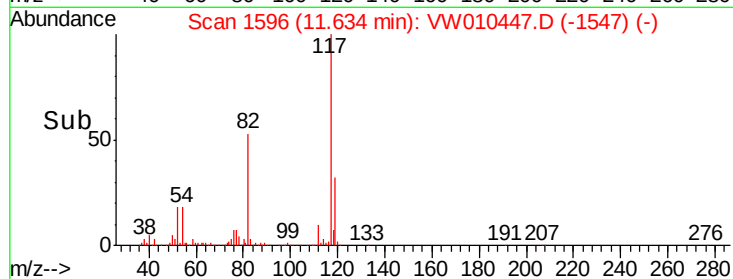
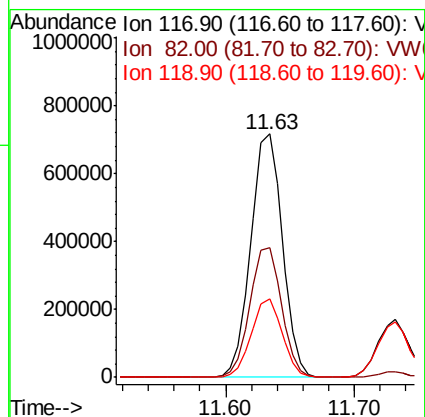
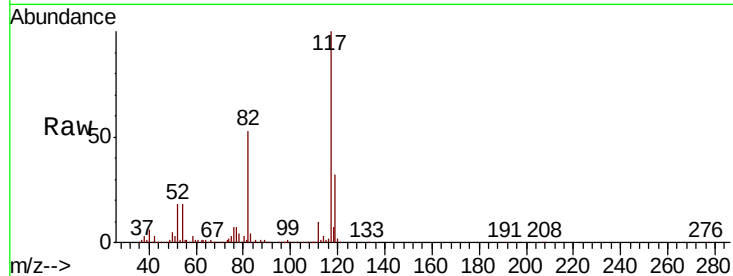




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

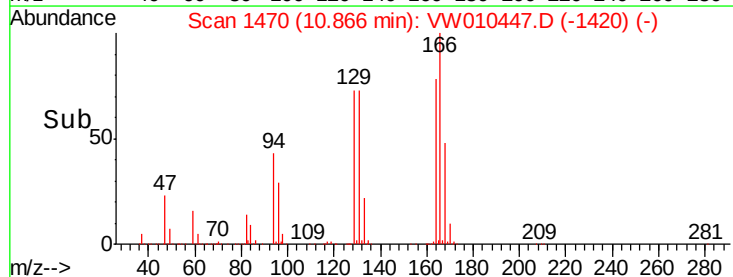
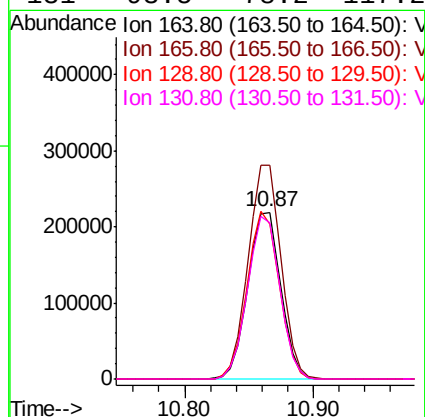
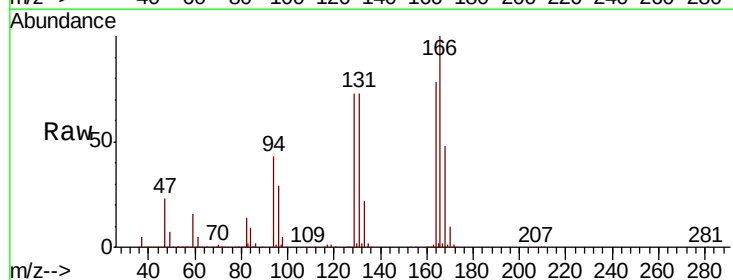
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

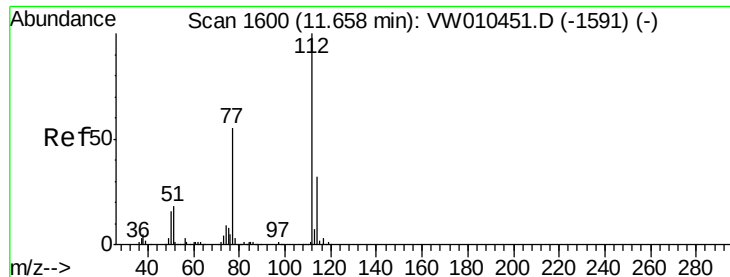
Tot Ion:117 Resp: 1214012
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 32.4 26.3 39.5



#64
Tetrachloroethene
Concen: 45.452 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Tgt Ion:164 Resp: 384655
Ion Ratio Lower Upper
164 100
166 128.1 101.9 152.9
129 93.2 80.6 121.0
131 93.5 78.2 117.2

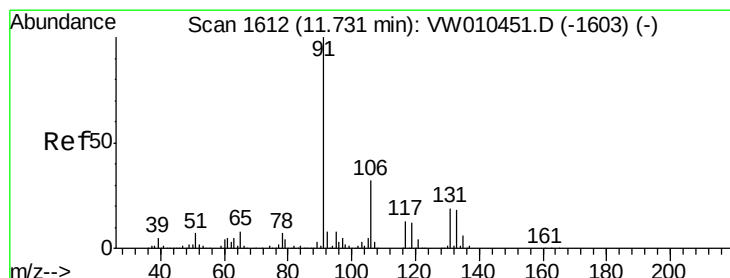
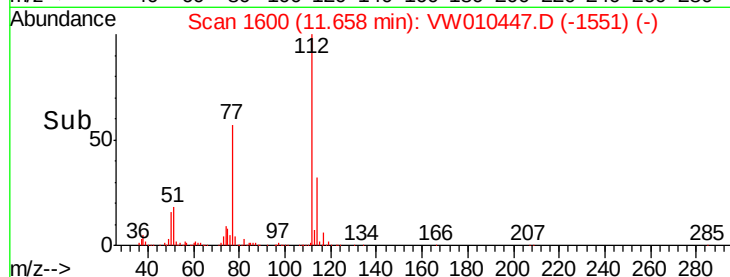
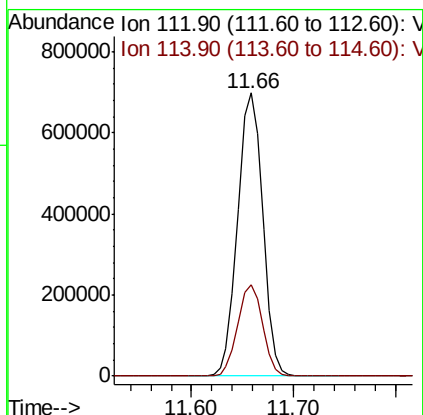
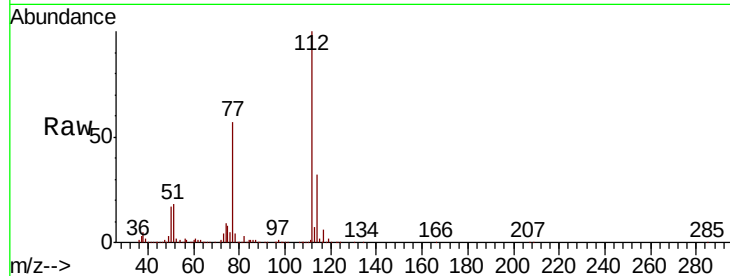




#65
Chlorobenzene
Concen: 45.842 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

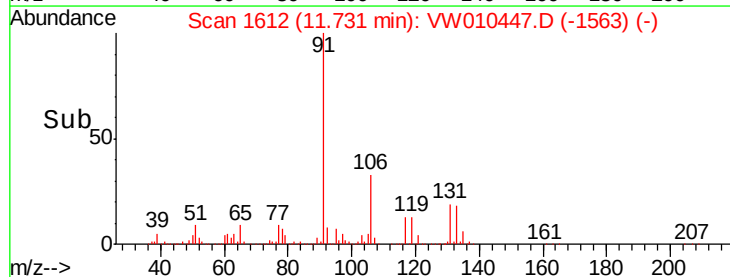
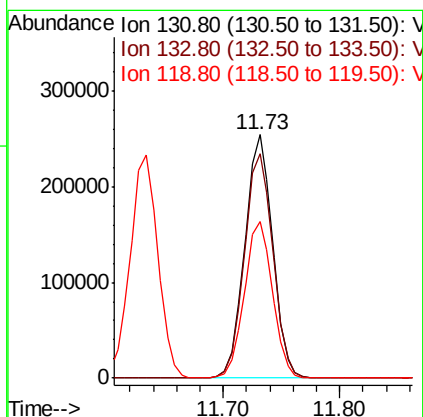
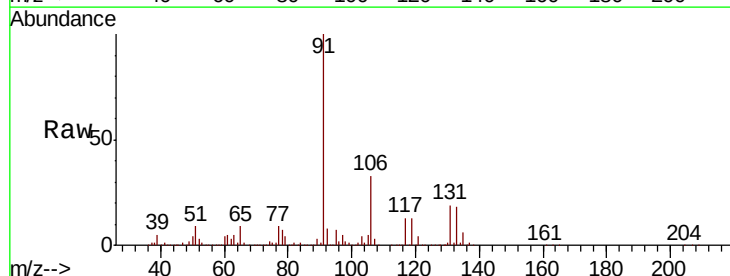
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

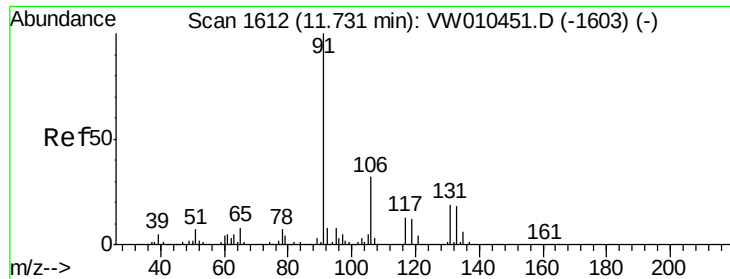
Tot Ion:112 Resp: 1186088
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 45.794 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Tgt Ion:131 Resp: 424444
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 65.4 32.1 96.5

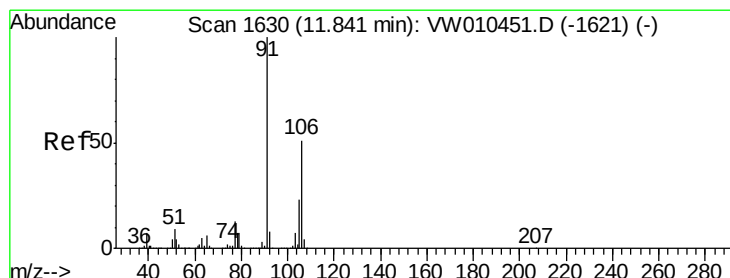
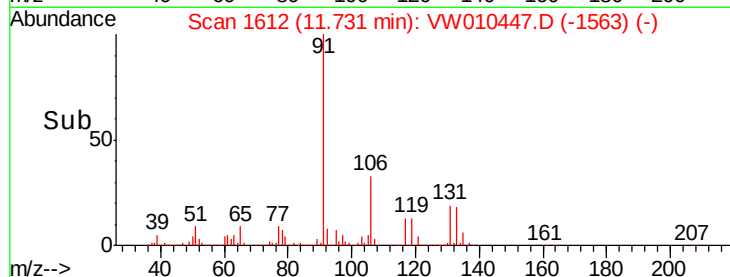
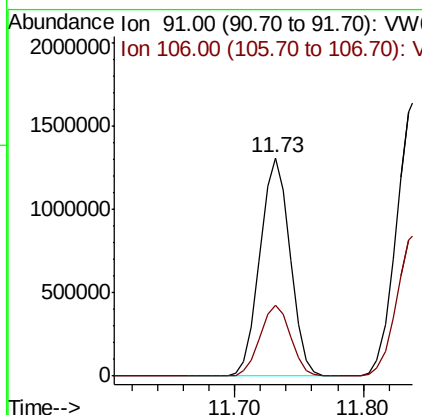
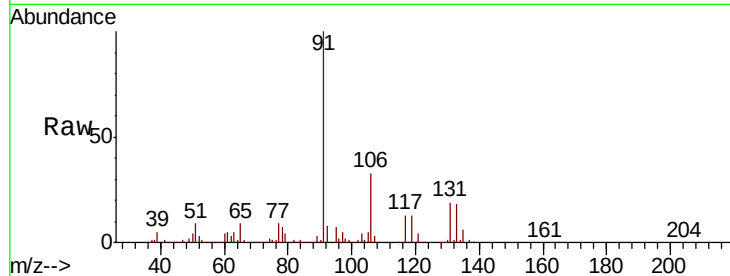




#67
Ethyl Benzene
Concen: 46.410 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

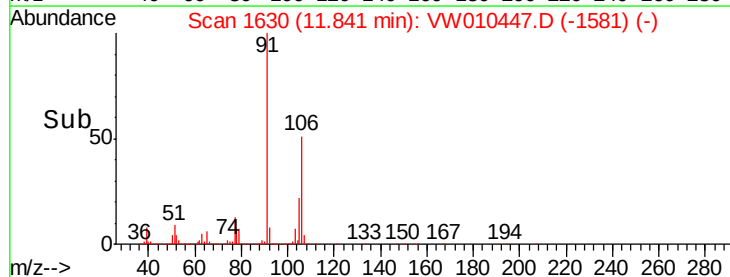
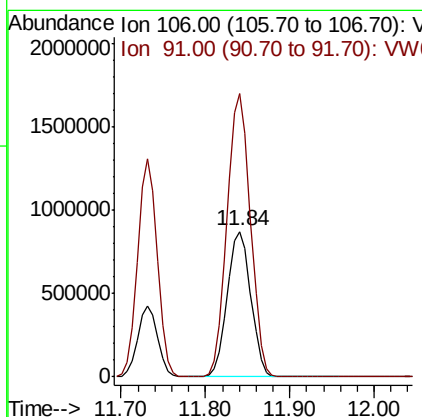
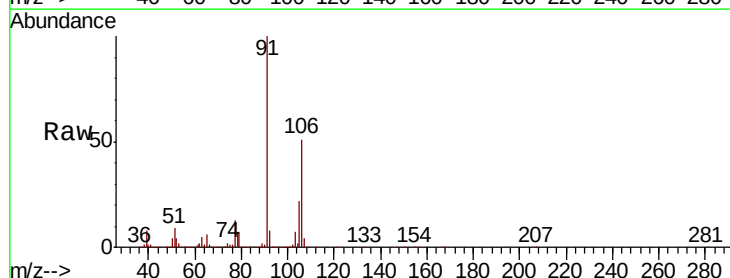
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

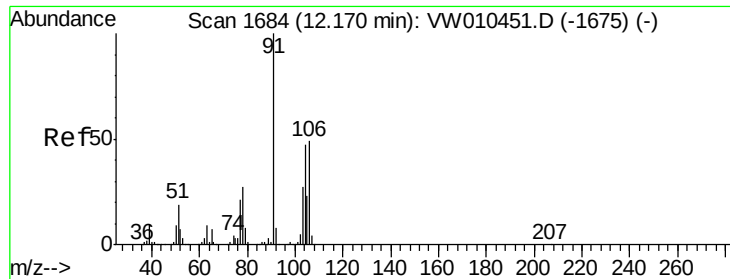
Tot Ion: 91 Resp: 2120045
Ion Ratio Lower Upper
91 100
106 32.7 25.9 38.9



#68
m/p-Xylenes
Concen: 92.512 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Tgt Ion: 106 Resp: 1657580
Ion Ratio Lower Upper
106 100
91 194.2 156.0 234.0

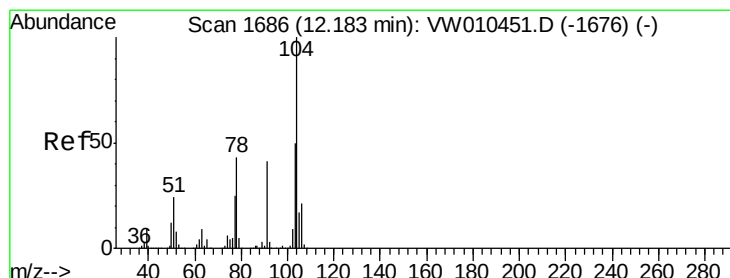
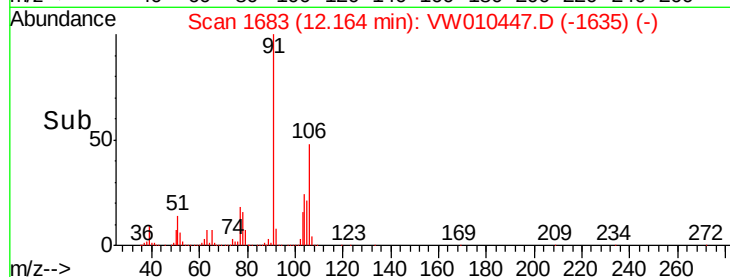
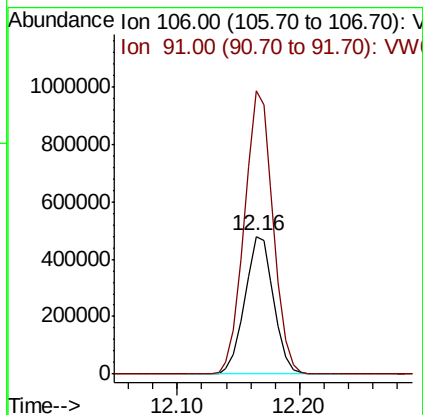
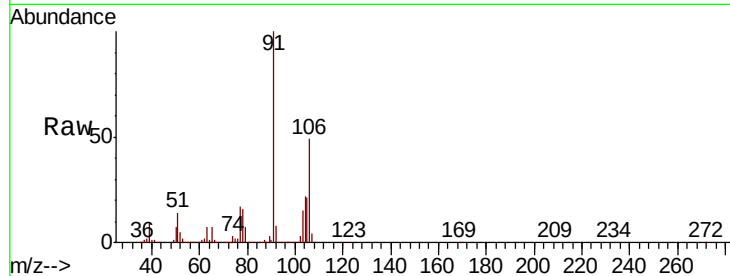




#69
o-Xylene
Concen: 45.971 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

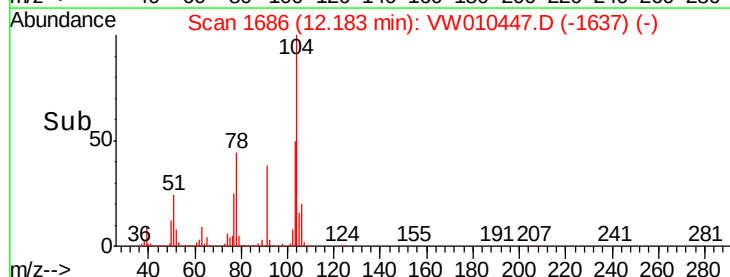
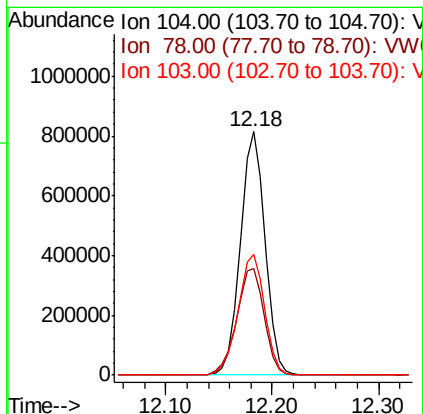
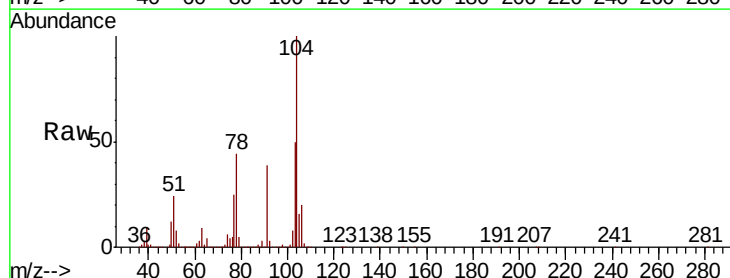
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

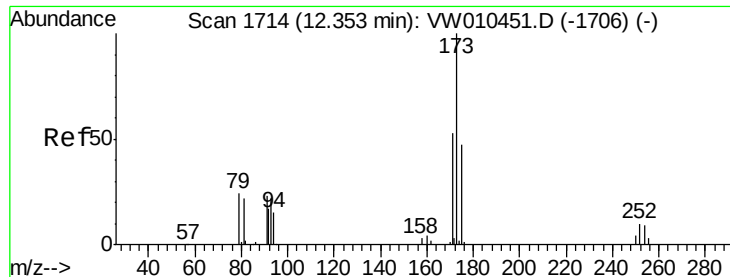
Tot Ion:106 Resp: 780387
Ion Ratio Lower Upper
106 100
91 204.9 103.2 309.4



#70
Styrene
Concen: 45.977 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010447.D
Acq: 20 May 2019 14:06

Tgt Ion:104 Resp: 1324268
Ion Ratio Lower Upper
104 100
78 49.0 39.0 58.4
103 53.5 43.0 64.6





#71

Bromoform

Concen: 42.900 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

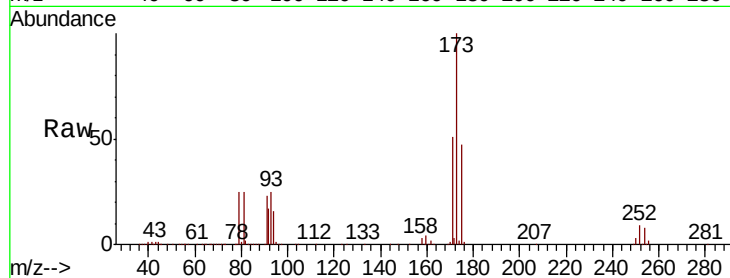
Tot Ion:173 Resp: 218963

Ion Ratio Lower Upper

173 100

175 47.7 24.4 73.4

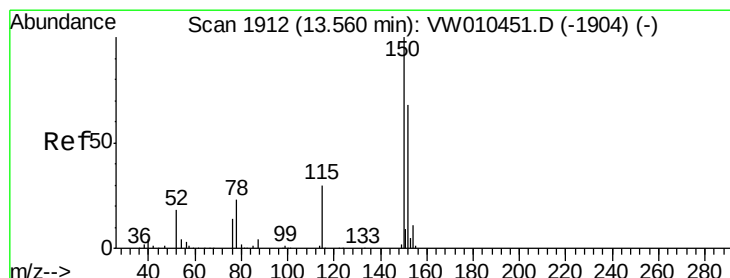
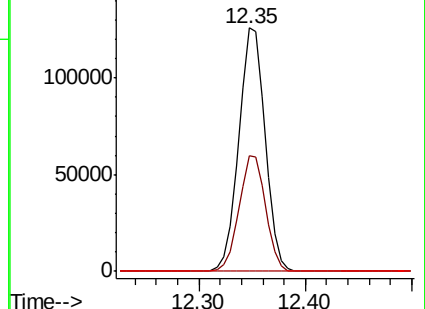
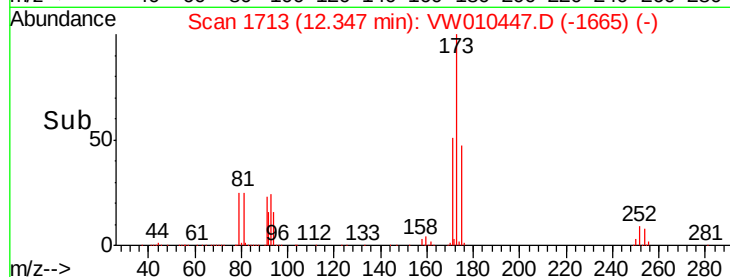
254 0.1 0.0 0.0#



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

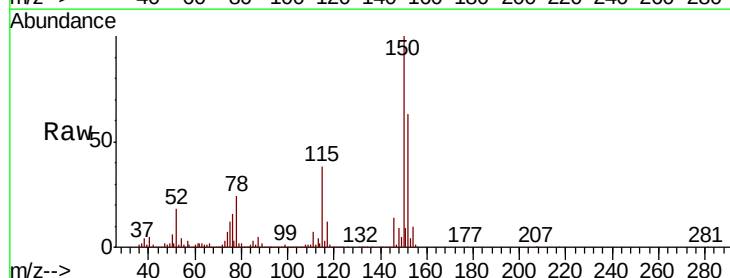
Tgt Ion:152 Resp: 592172

Ion Ratio Lower Upper

152 100

115 58.8 30.3 91.0

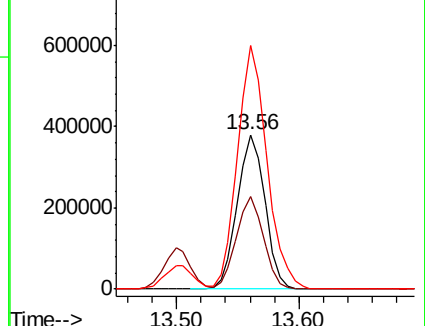
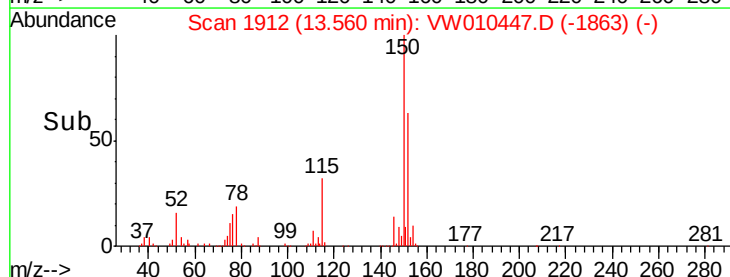
150 168.6 0.0 349.8

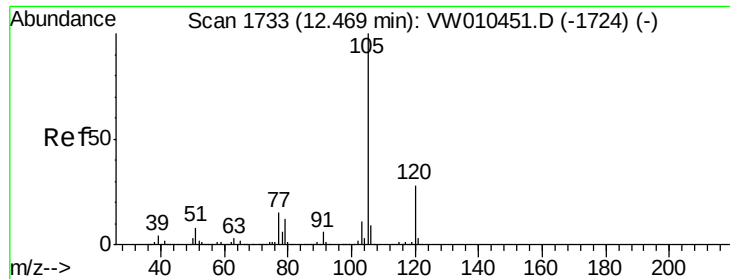


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.277 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

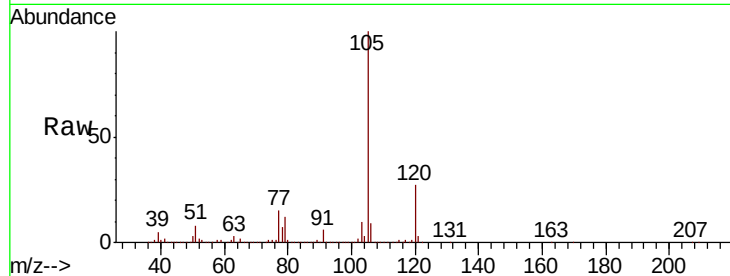
VSTDCCC050

Tot Ion:105 Resp: 2174589

Ion Ratio Lower Upper

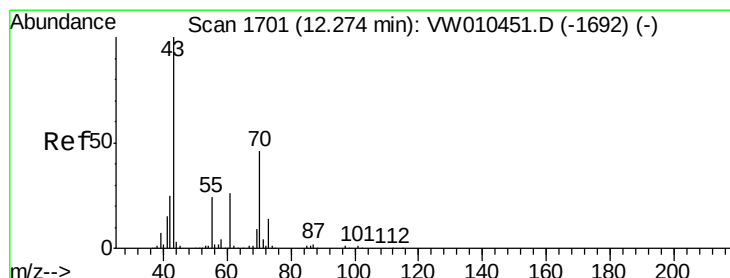
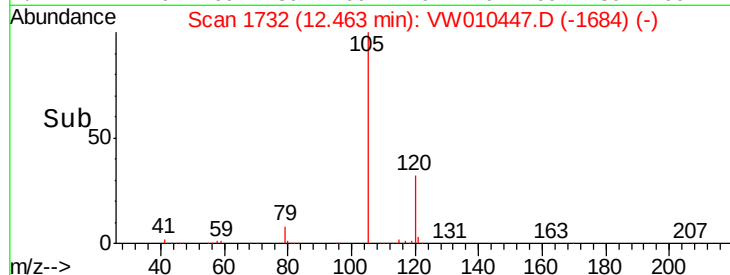
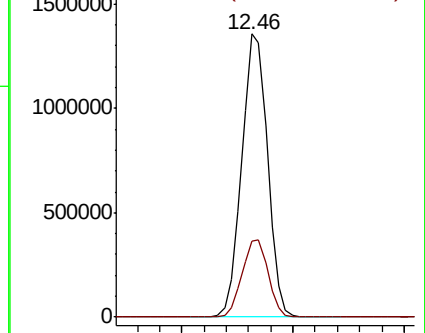
105 100

120 27.8 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 39.514 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Tgt Ion: 43 Resp: 425498

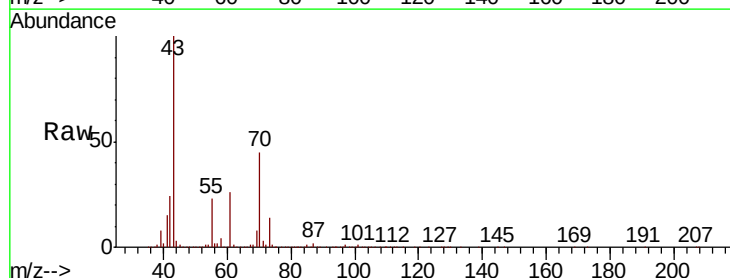
Ion Ratio Lower Upper

43 100

70 44.9 37.1 55.7

55 23.8 19.6 29.4

61 26.0 20.7 31.1

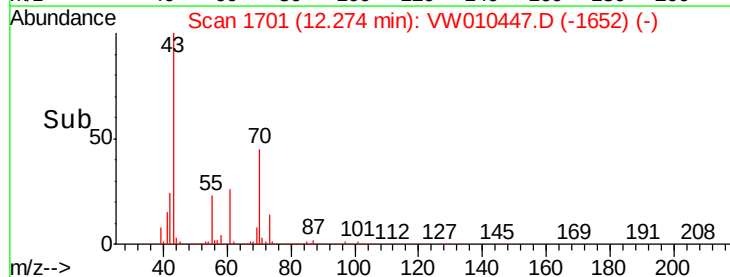
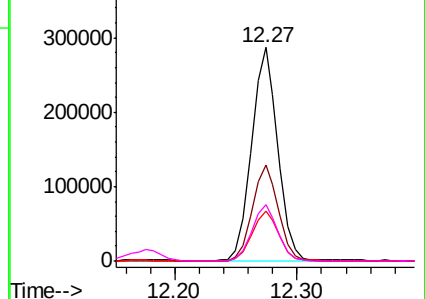


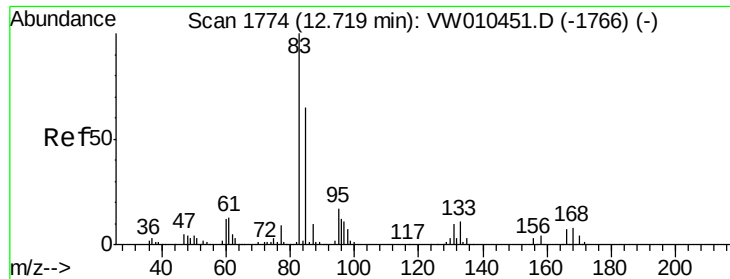
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 39.320 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

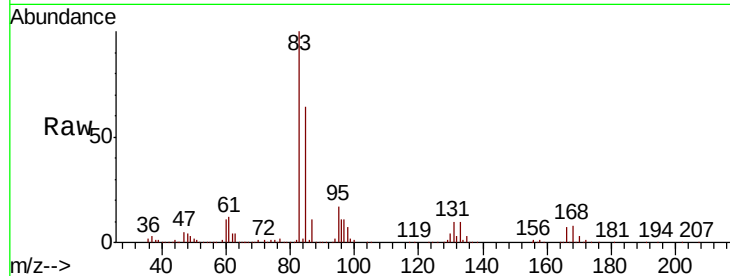
Tot Ion: 83 Resp: 336073

Ion Ratio Lower Upper

83 100

131 11.4 5.6 16.8

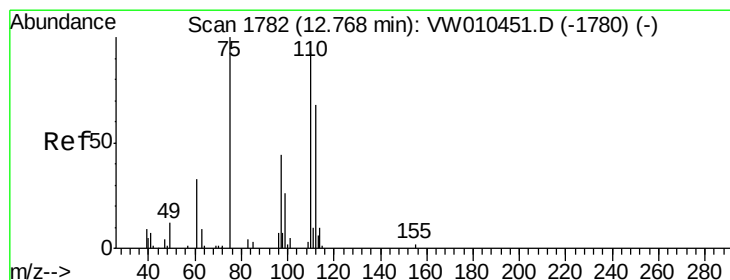
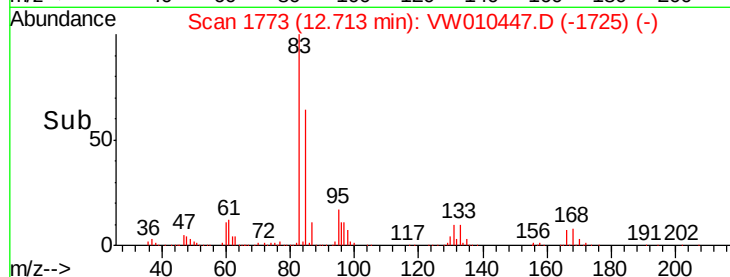
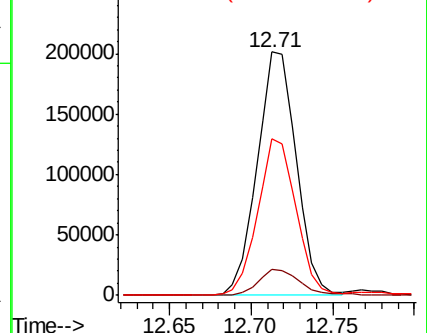
85 63.2 32.4 97.0



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: 72.956 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010447.D

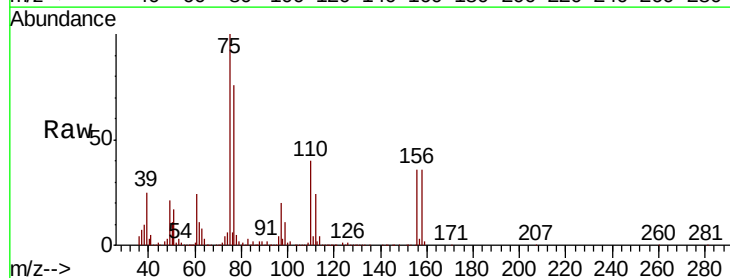
Acq: 20 May 2019 14:06

Tgt Ion: 75 Resp: 438530

Ion Ratio Lower Upper

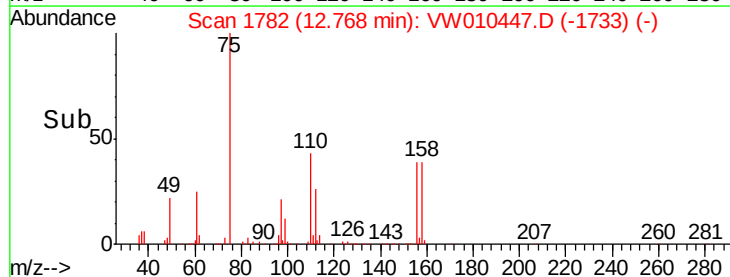
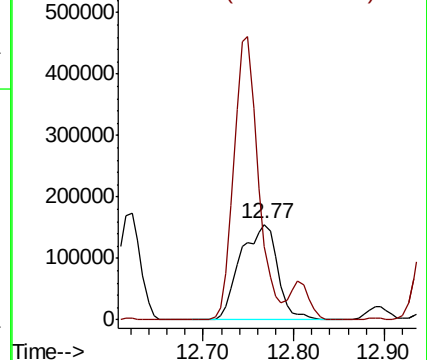
75 100

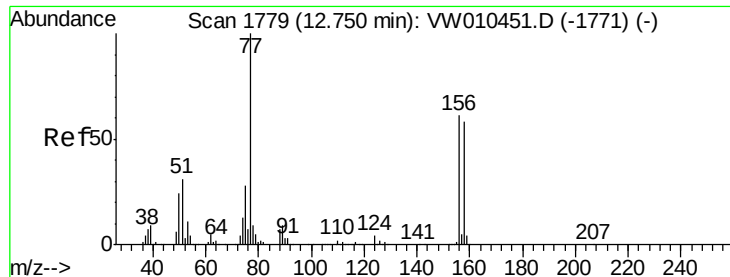
77 196.3 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 45.009 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

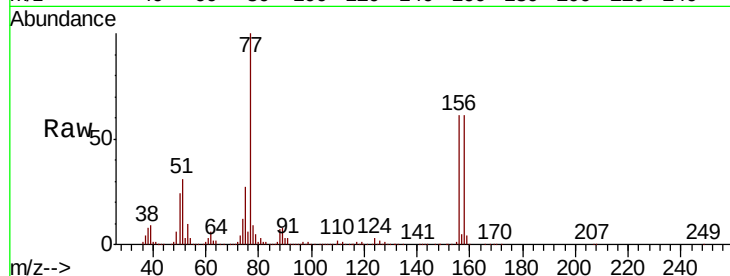
Tot Ion:156 Resp: 473301

Ion Ratio Lower Upper

156 100

77 181.9 92.4 277.2

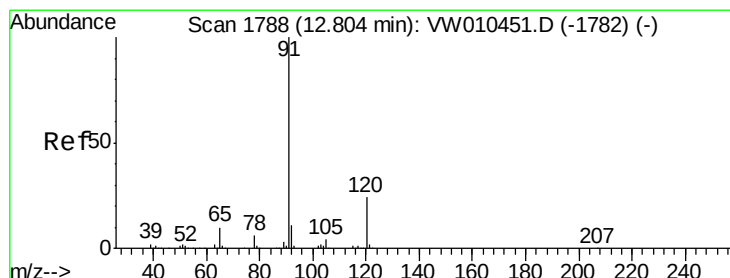
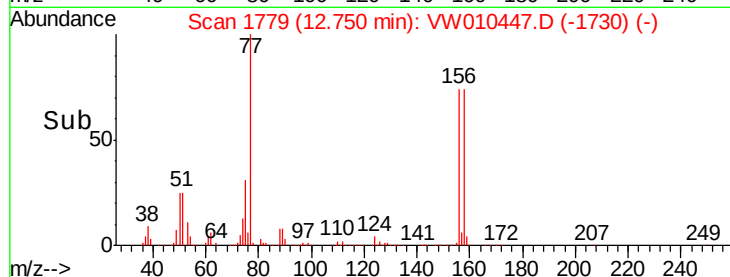
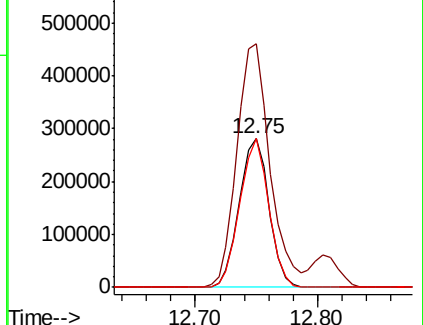
158 97.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.215 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010447.D

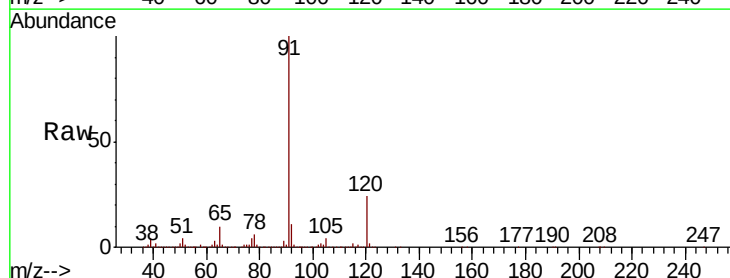
Acq: 20 May 2019 14:06

Tgt Ion: 91 Resp: 2530800

Ion Ratio Lower Upper

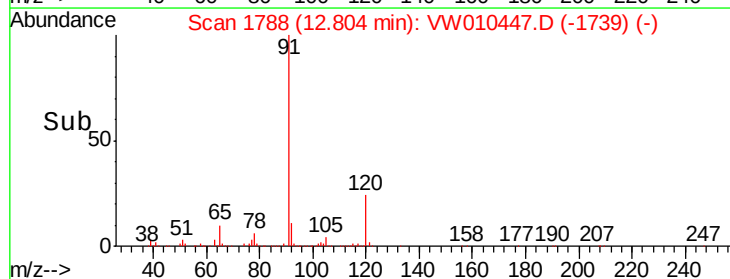
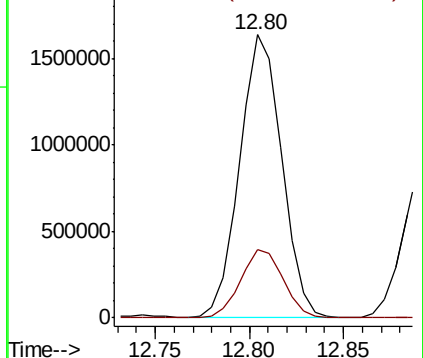
91 100

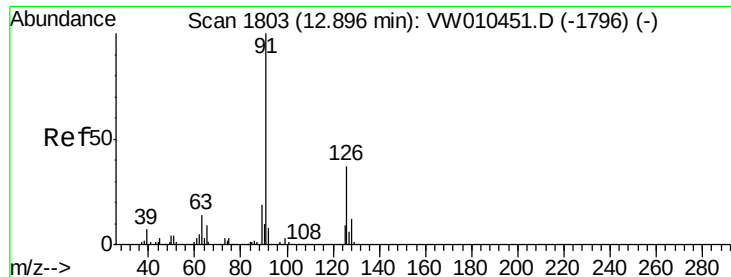
120 24.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.127 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

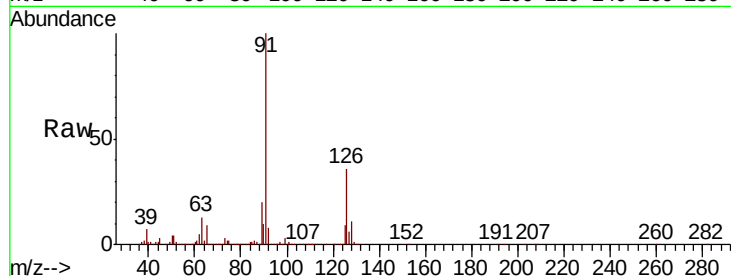
VSTDCCC050

Tot Ion: 91 Resp: 1433126

Ion Ratio Lower Upper

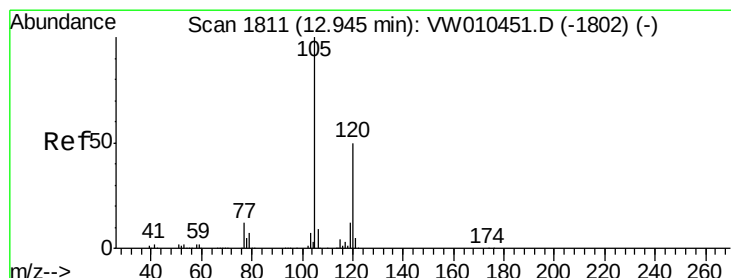
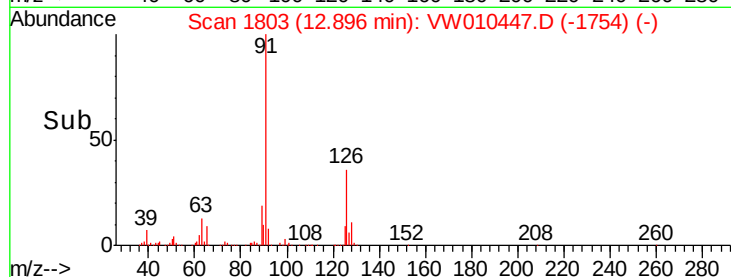
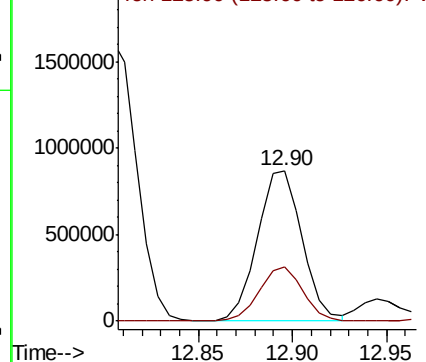
91 100

126 35.2 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.194 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010447.D

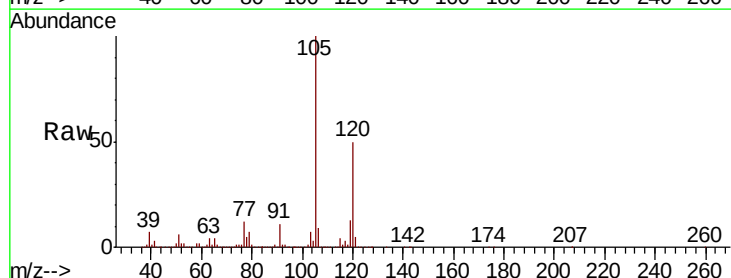
Acq: 20 May 2019 14:06

Tgt Ion:105 Resp: 1838449

Ion Ratio Lower Upper

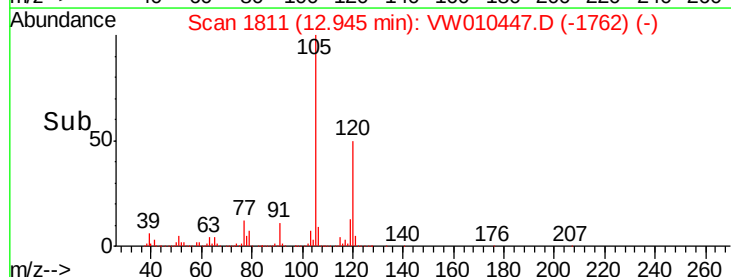
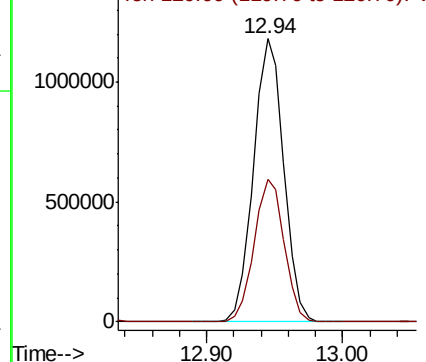
105 100

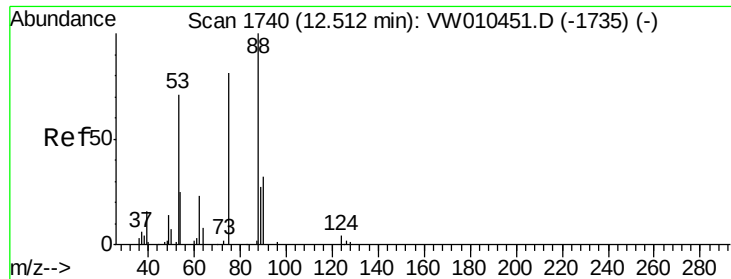
120 50.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 40.083 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

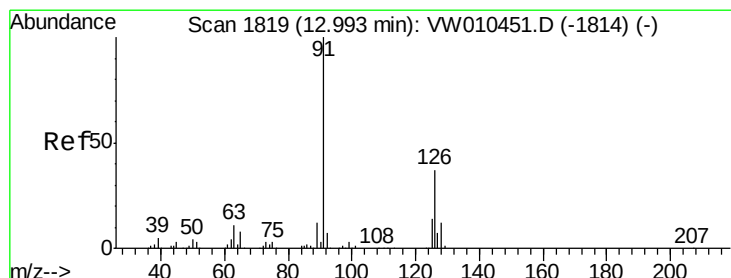
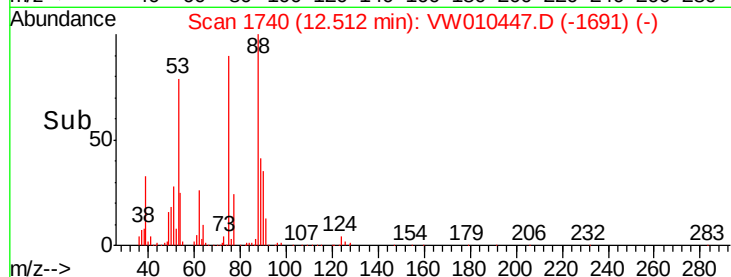
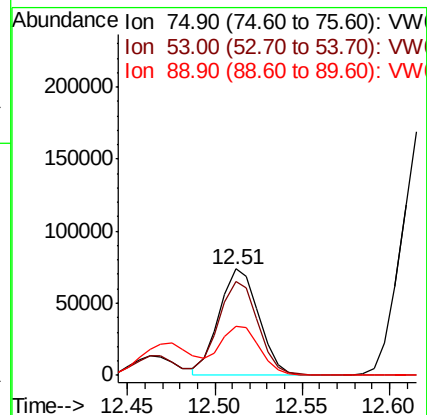
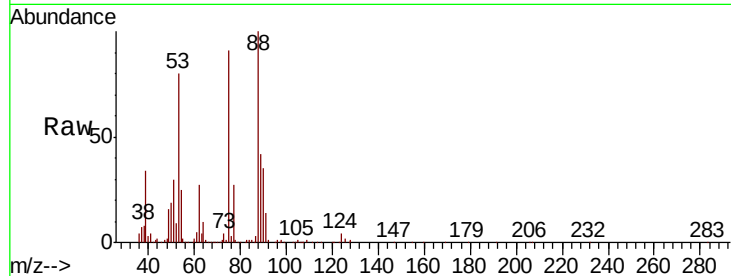
MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 115445

Ion	Ratio	Lower	Upper
75	100		
53	89.7	69.8	104.8
89	46.9	39.5	59.3



#82

4-Chlorotoluene

Concen: 44.916 ug/l

RT: 12.99 min Scan# 1819

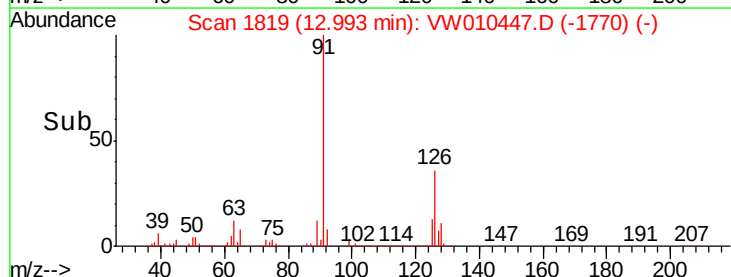
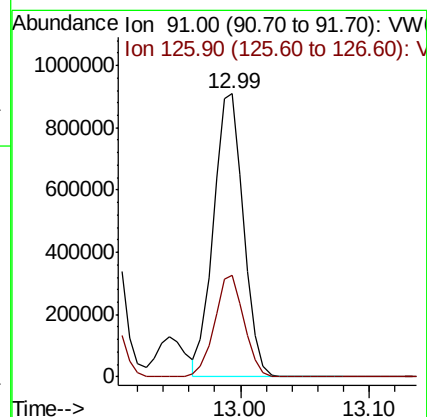
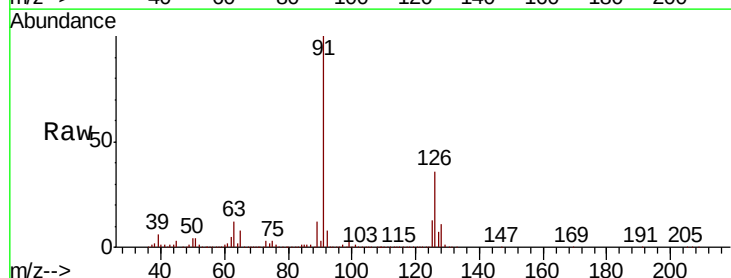
Delta R.T. -0.00 min

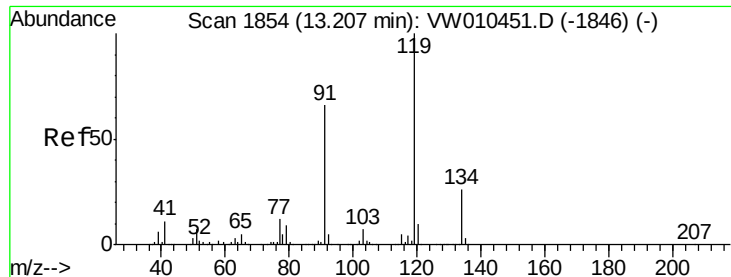
Lab File: VW010447.D

Acq: 20 May 2019 14:06

Tgt Ion: 91 Resp: 1480561

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.6

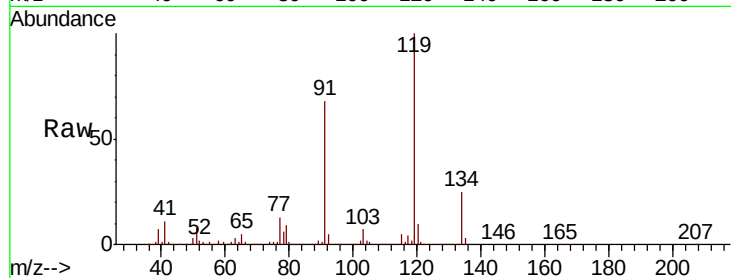




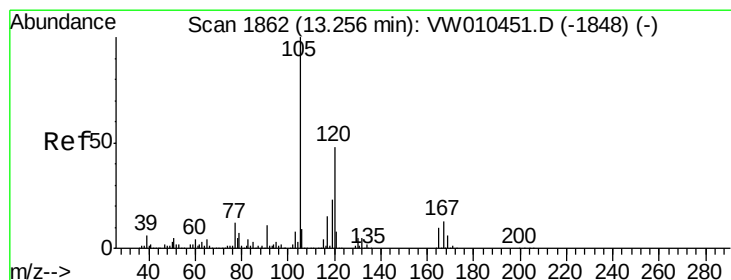
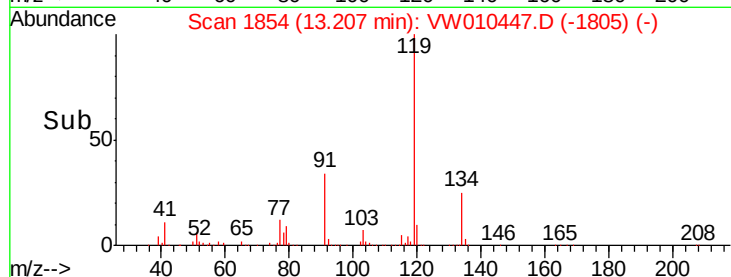
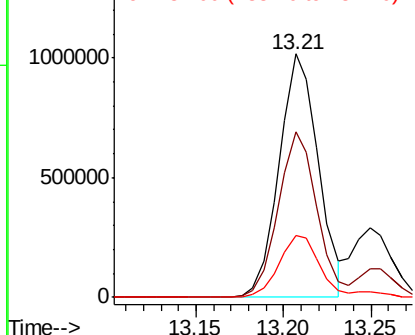
#83
 tert-Butylbenzene
 Concen: 45.666 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1587539
 Ion Ratio Lower Upper
 119 100
 91 67.4 33.1 99.5
 134 28.0 13.9 41.6

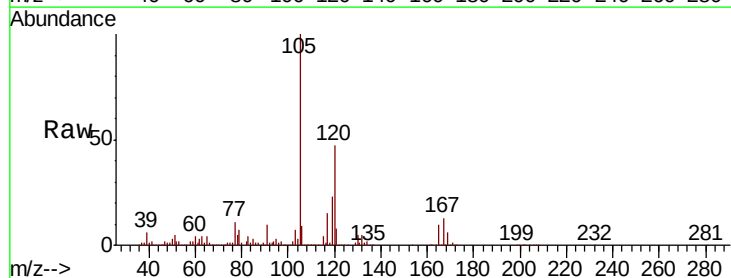


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

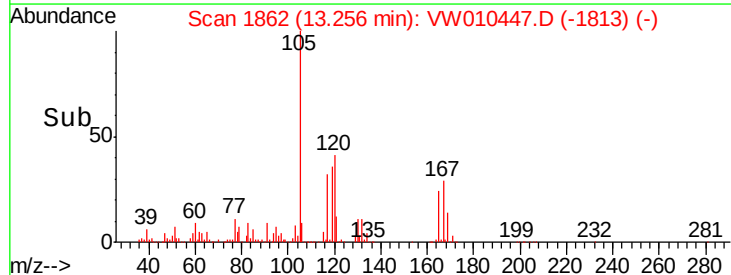
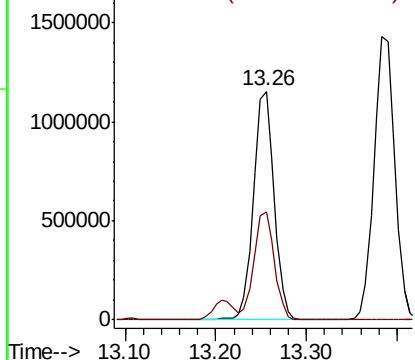


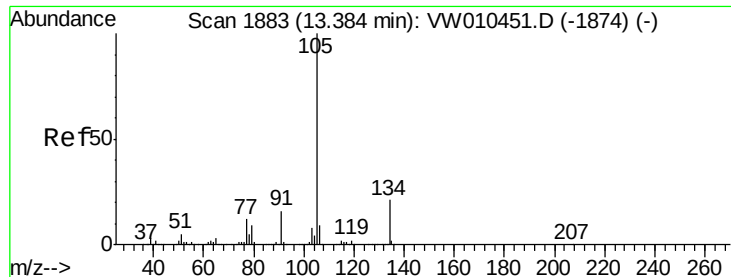
#84
 1,2,4-Trimethylbenzene
 Concen: 45.700 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Tgt Ion:105 Resp: 1811463
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.515 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

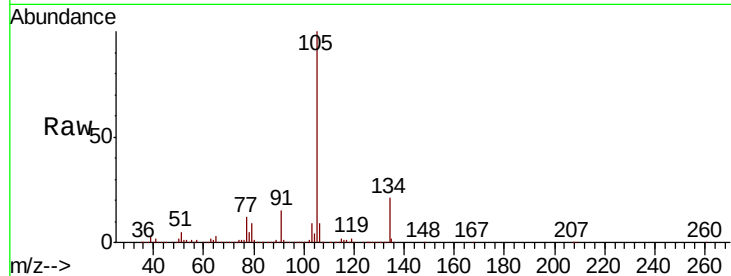
VSTDCCC050

Tot Ion:105 Resp: 2262955

Ion Ratio Lower Upper

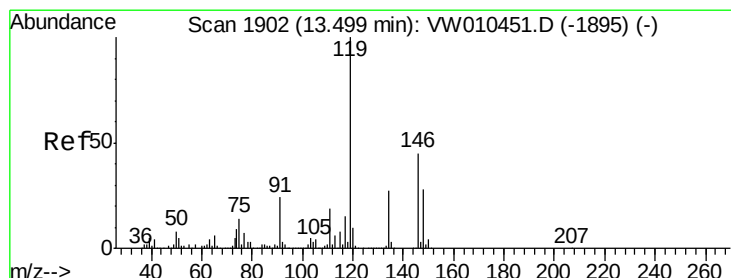
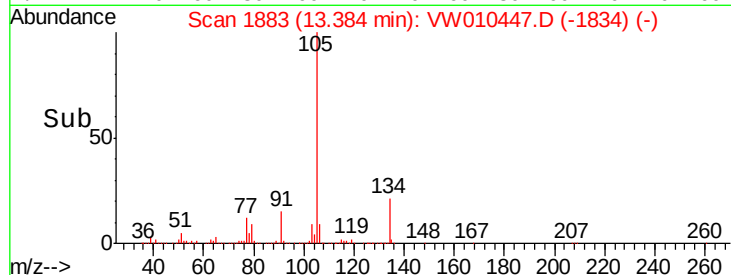
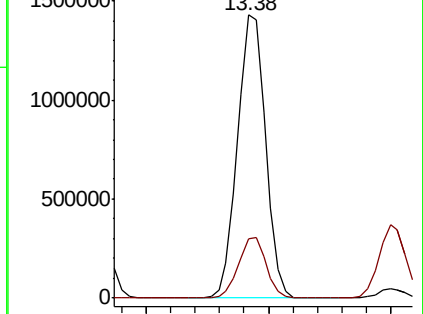
105 100

134 21.2 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.298 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

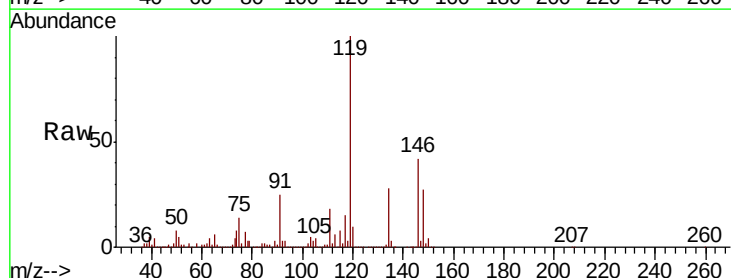
Tgt Ion:119 Resp: 2038729

Ion Ratio Lower Upper

119 100

134 27.8 13.6 40.7

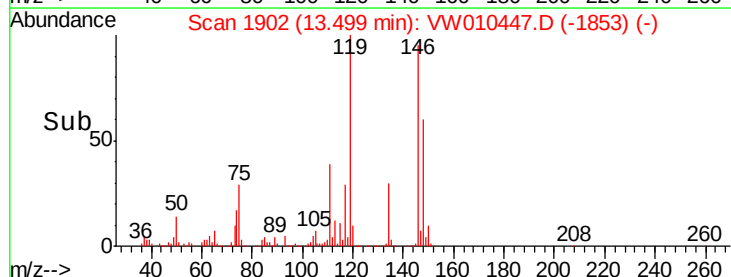
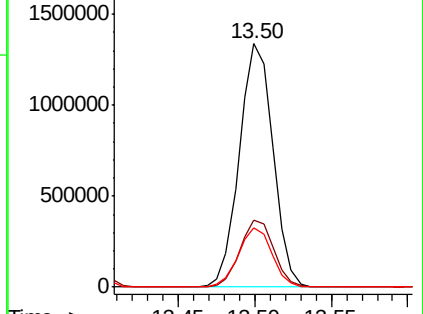
91 24.3 11.9 35.7

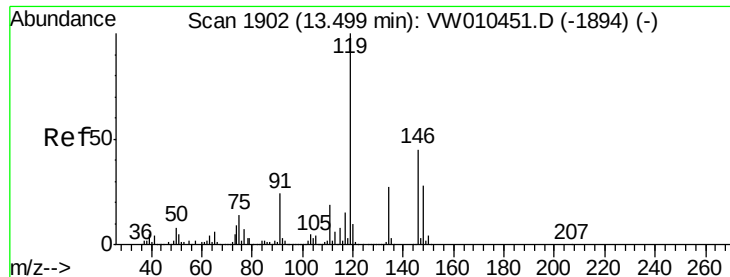


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 45.276 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

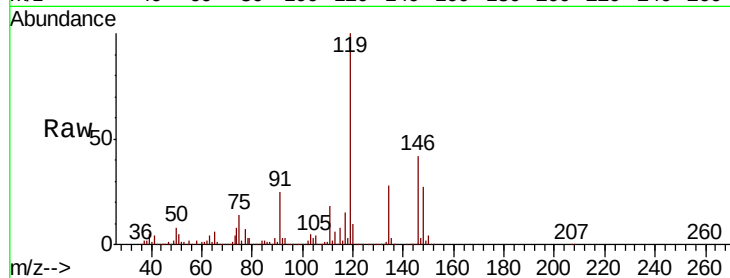
Tot Ion:146 Resp: 934082

Ion Ratio Lower Upper

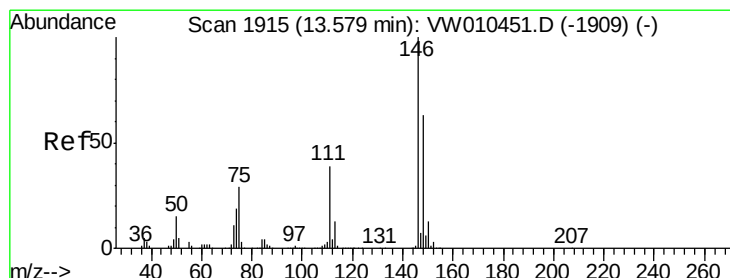
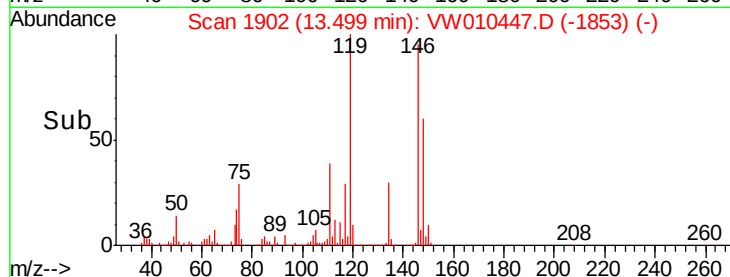
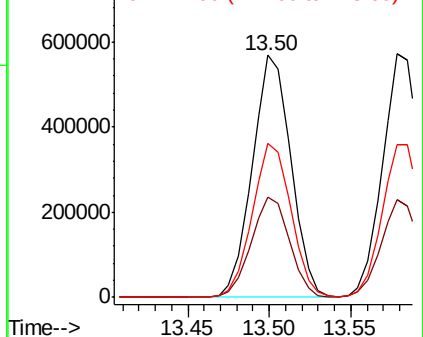
146 100

111 41.4 20.3 60.9

148 63.6 31.6 94.8



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



#88

1,4-Dichlorobenzene

Concen: 44.869 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

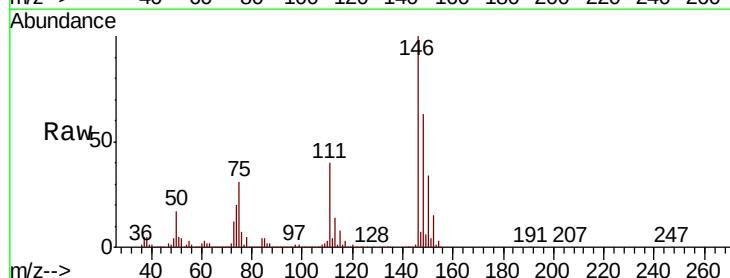
Tgt Ion:146 Resp: 928764

Ion Ratio Lower Upper

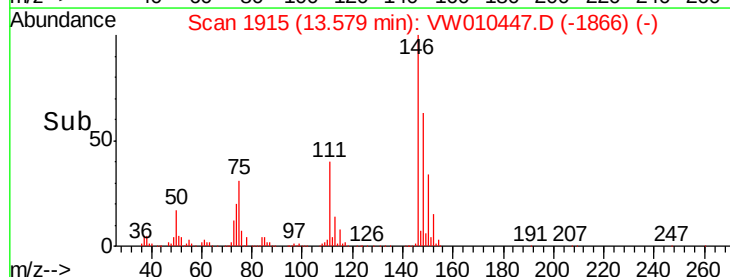
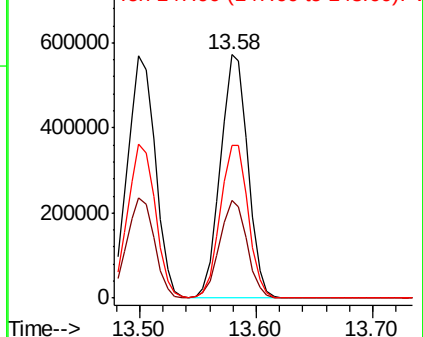
146 100

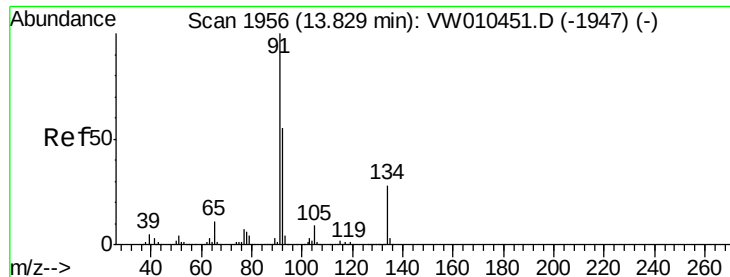
111 40.0 19.9 59.6

148 64.2 31.6 94.8



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





#89

n-Butylbenzene

Concen: 47.181 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

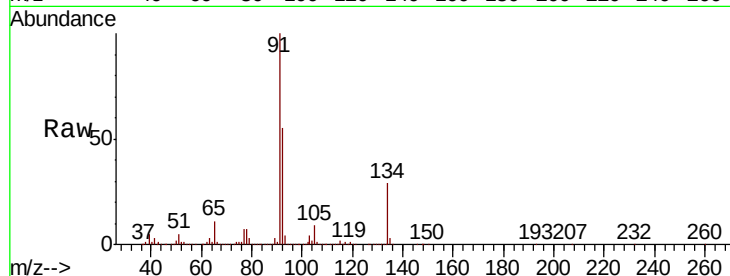
Tot Ion: 91 Resp: 1976180

Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.7	83.1
134	28.1	13.9	41.6

91 100

92 54.9 27.7 83.1

134 28.1 13.9 41.6

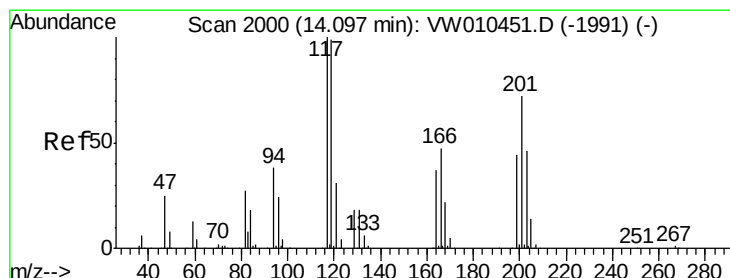
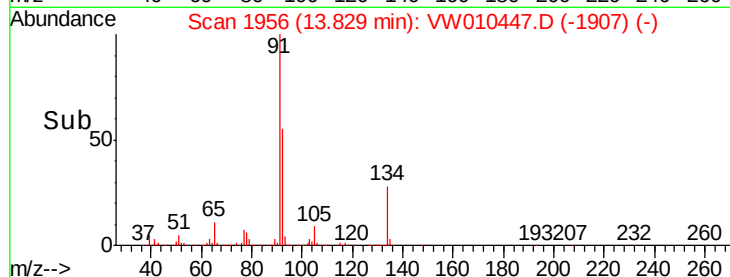
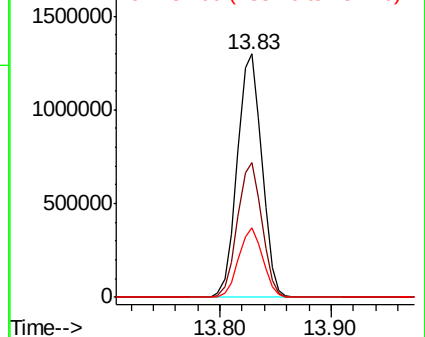


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 47.410 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010447.D

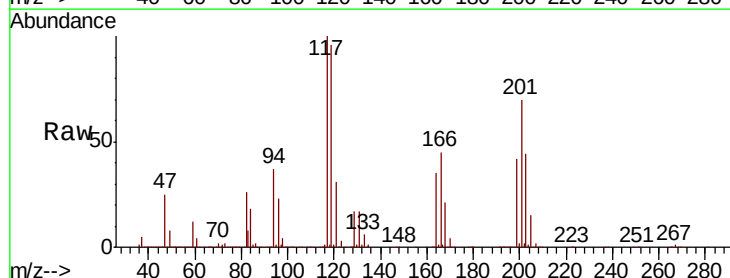
Acq: 20 May 2019 14:06

Tgt Ion: 117 Resp: 404092

Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.6	103.8

117 100

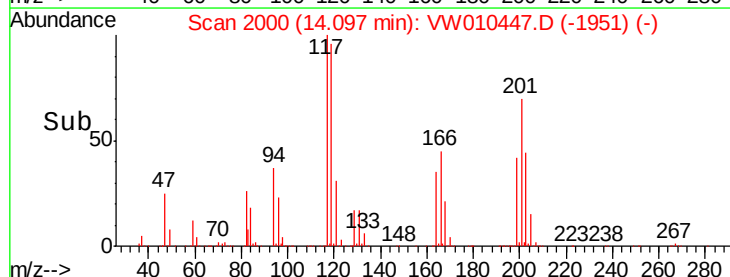
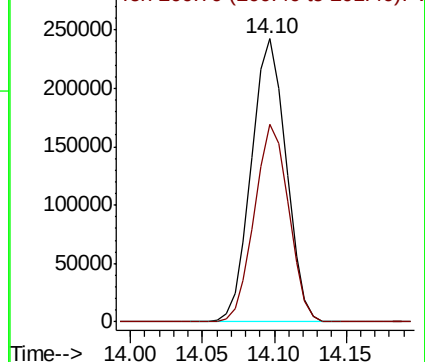
201 69.2 34.6 103.8

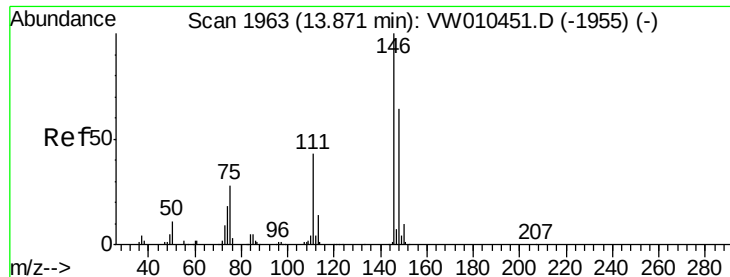


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

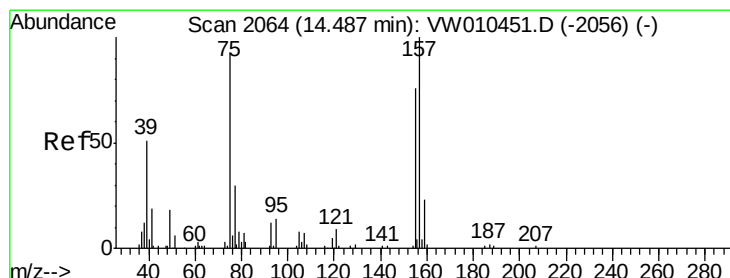
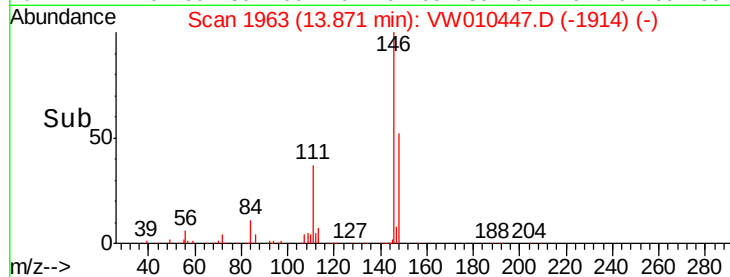
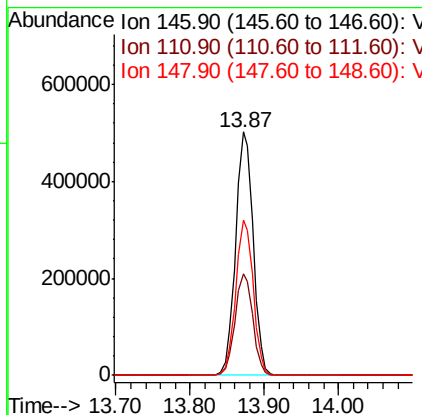
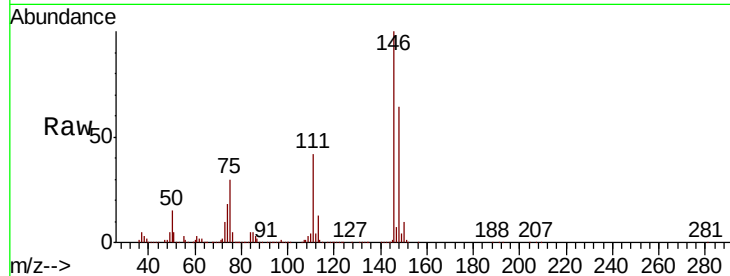




#91
 1,2-Dichlorobenzene
 Concen: 44.170 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

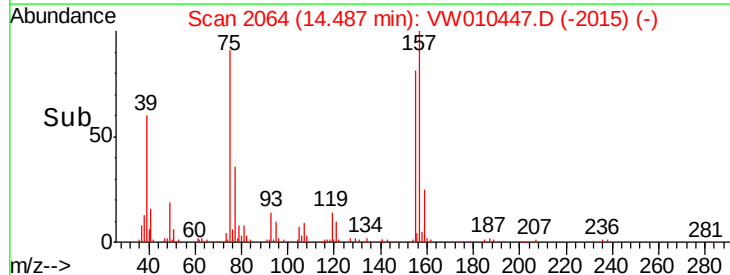
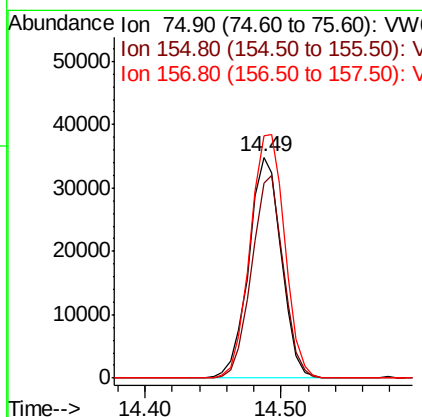
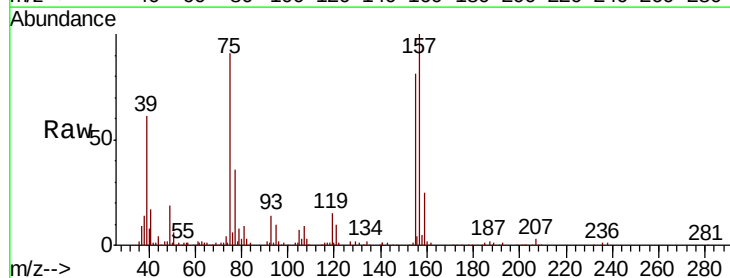
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

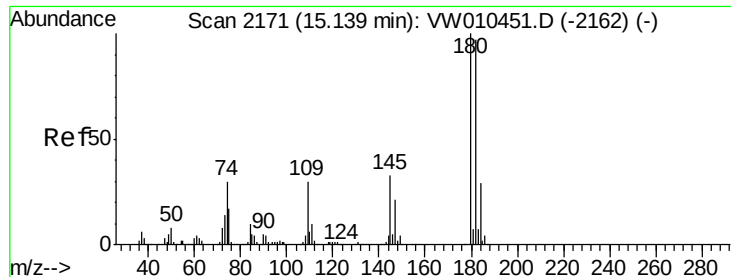
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.7	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 36.973 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	43.0	129.0
157	116.4	55.7	167.1

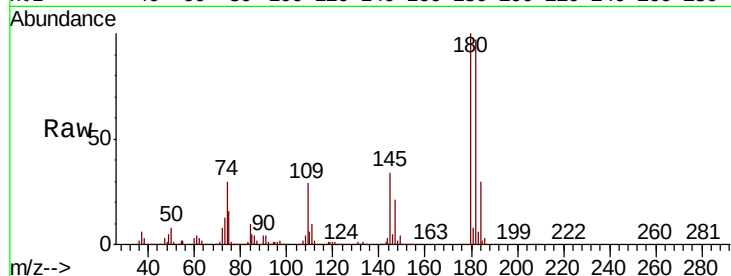




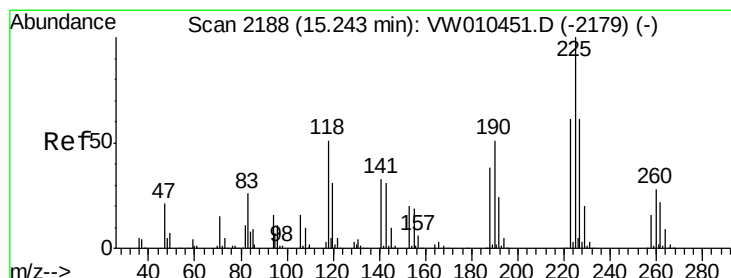
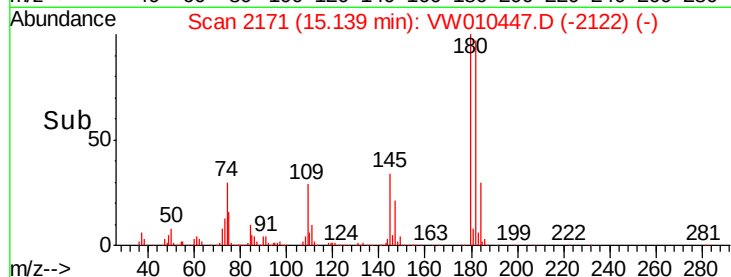
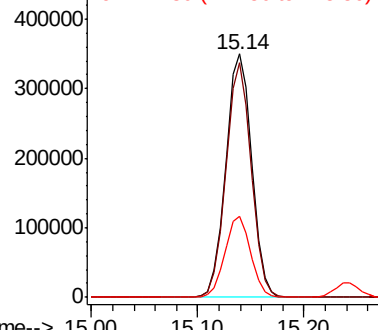
#93
 1,2,4-Trichlorobenzene
 Concen: 46.555 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 595441
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.0 141.2
 145 33.2 16.7 50.0

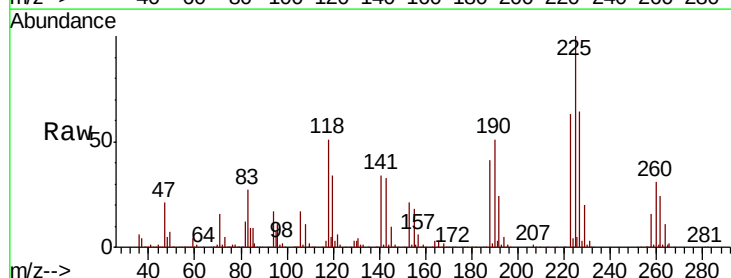


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

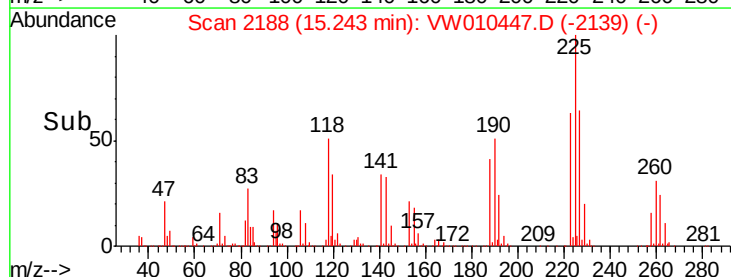
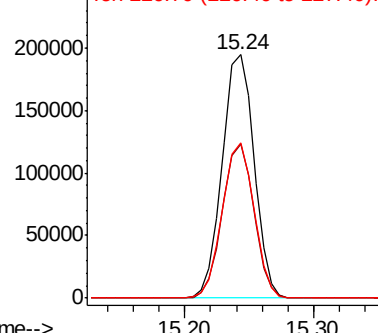


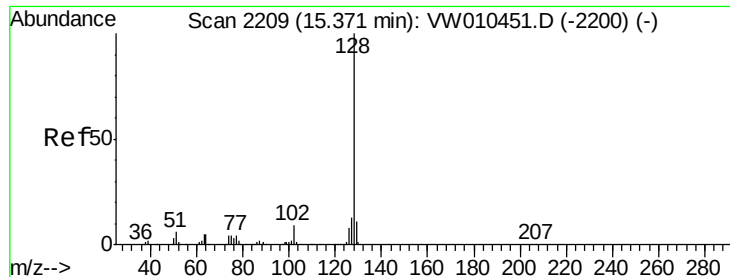
#94
 Hexachlorobutadiene
 Concen: 48.753 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010447.D
 Acq: 20 May 2019 14:06

Tgt Ion:225 Resp: 333122
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.2
 227 63.4 31.1 93.5



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





#95

Naphthalene

Concen: 41.815 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

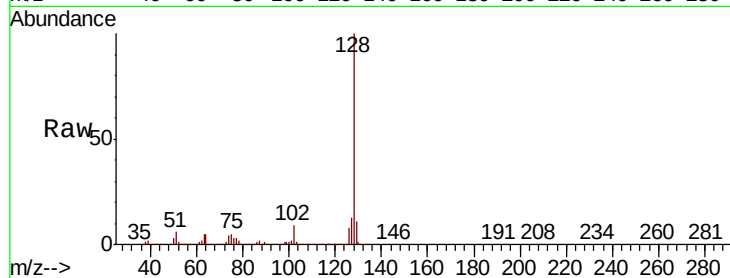
Tot Ion:128 Resp: 1122654

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

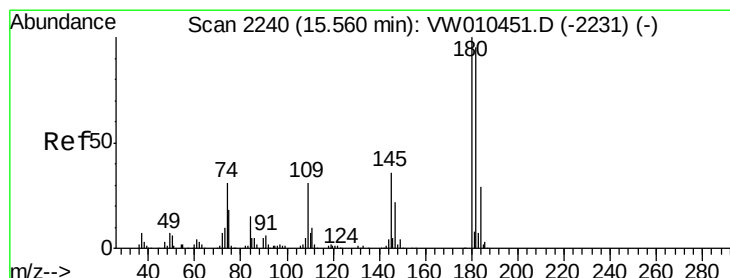
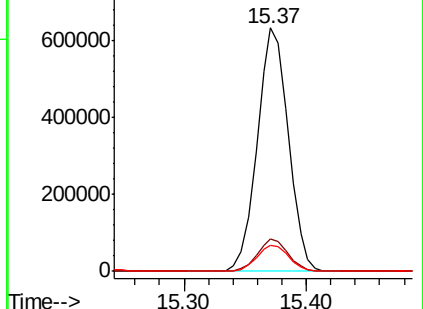
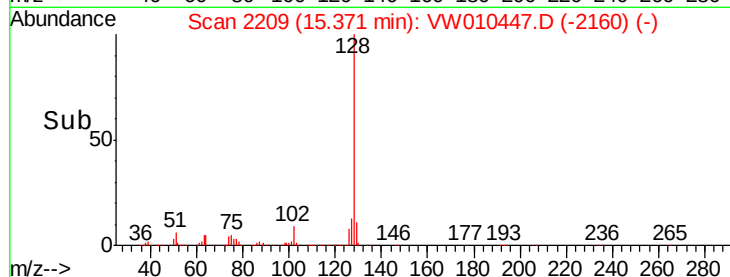
129 10.9 8.9 13.3



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: 45.074 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010447.D

Acq: 20 May 2019 14:06

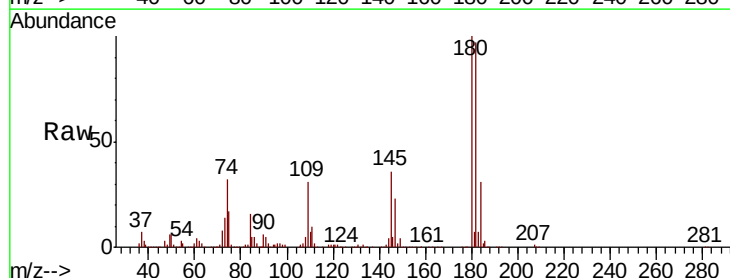
Tgt Ion:180 Resp: 496063

Ion Ratio Lower Upper

180 100

182 95.1 47.1 141.3

145 35.4 17.4 52.3



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

