

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011550.D
 Acq On : 27 Jul 2019 06:54
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 29 01:10:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162866	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	126959	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.88	113	99874	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	10.32	98	406057	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
62) 4-Bromofluorobenzene	12.62	95	145528	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	53267	42.859	ug/l	91
3) Chloromethane	2.21	50	93591	43.427	ug/l	98
4) Vinyl Chloride	2.36	62	118412	45.638	ug/l	98
5) Bromomethane	2.76	94	55645	38.746	ug/l	96
6) Chloroethane	2.90	64	63521	42.859	ug/l	98
7) Trichlorofluoromethane	3.24	101	48202	41.569	ug/l	97
8) Diethyl Ether	3.67	74	67031	50.984	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	98566	44.809	ug/l	99
10) Methyl Iodide	4.27	142	148532	47.782	ug/l	99
11) Tert butyl alcohol	5.20	59	50313	267.477	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	107903	46.459	ug/l	99
13) Acrolein	3.89	56	32169	175.078	ug/l	100
14) Allyl chloride	4.66	41	232059	46.978	ug/l	100
15) Acrylonitrile	5.36	53	170391	259.623	ug/l	99
16) Acetone	4.13	43	136682	167.797	ug/l	98
17) Carbon Disulfide	4.38	76	322933	44.425	ug/l	99
18) Methyl Acetate	4.67	43	116542	63.687	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	189065	51.299	ug/l	97
20) Methylene Chloride	4.91	84	126519	45.036	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	122118	48.770	ug/l	92
22) Diisopropyl ether	6.31	45	476788	51.194	ug/l	98
23) Vinyl Acetate	6.25	43	1367727	233.717	ug/l	99
24) 1,1-Dichloroethane	6.21	63	246563	49.432	ug/l	99
25) 2-Butanone	7.17	43	241754	226.811	ug/l	96
26) 2,2-Dichloropropane	7.17	77	112983	36.832	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	135393	49.130	ug/l	100
28) Bromochloromethane	7.51	49	116770	52.743	ug/l #	99
29) Tetrahydrofuran	7.53	42	157868	259.111	ug/l	100
30) Chloroform	7.67	83	227582	49.456	ug/l	97
31) Cyclohexane	7.95	56	209624	43.782	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	168569	48.101	ug/l	100
36) 1,1-Dichloropropene	8.08	75	178115	45.424	ug/l	98
37) Ethyl Acetate	7.25	43	110107	48.808	ug/l	99
38) Carbon Tetrachloride	8.07	117	150262	44.764	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	193642	44.849	ug/l	98
40) Benzene	8.32	78	525035	47.803	ug/l	98
41) Methacrylonitrile	7.48	41	66021	48.958	ug/l	95
42) 1,2-Dichloroethane	8.40	62	166713	48.481	ug/l	99
43) Isopropyl Acetate	8.42	43	204583	49.311	ug/l	99
44) Trichloroethene	9.09	130	124850	47.295	ug/l	100
45) 1,2-Dichloropropane	9.37	63	142176	48.379	ug/l	98
46) Dibromomethane	9.46	93	66069	49.257	ug/l	99
47) Bromodichloromethane	9.65	83	168585	47.915	ug/l	98
48) Methyl methacrylate	9.43	41	102434	51.398	ug/l	99
49) 1,4-Dioxane	9.46	88	19190	988.091	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	546716	253.343	ug/l	100
52) Toluene	10.38	92	316817	47.765	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	171105	46.554	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	202709	46.386	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	92742	48.732	ug/l	97
56) Ethyl methacrylate	10.65	69	142979	51.341	ug/l	100
57) 1,3-Dichloropropane	10.93	76	178491	49.574	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	380933	301.266	ug/l	100
59) 2-Hexanone	10.97	43	367082	240.916	ug/l	100
60) Dibromochloromethane	11.13	129	103849	49.159	ug/l	99
61) 1,2-Dibromoethane	11.23	107	88778	49.294	ug/l	100
64) Tetrachloroethene	10.86	164	111981	51.340	ug/l	97
65) Chlorobenzene	11.66	112	320928	47.652	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	113992	48.592	ug/l	98
67) Ethyl Benzene	11.73	91	614887	47.938	ug/l	100
68) m/p-Xylenes	11.84	106	442279	94.814	ug/l	99
69) o-Xylene	12.16	106	210902	48.654	ug/l	99
70) Styrene	12.18	104	367777	49.071	ug/l	100
71) Bromoform	12.35	173	58450	48.867	ug/l #	99
73) Isopropylbenzene	12.46	105	568815	46.815	ug/l	100
74) N-amyl acetate	12.27	43	181076	47.602	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112660	49.295	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	145888	84.656	ug/l #	100
77) Bromobenzene	12.74	156	129177	48.101	ug/l	99
78) n-propylbenzene	12.80	91	697639	47.180	ug/l	100
79) 2-Chlorotoluene	12.89	91	403278	47.340	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	486844	47.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	32970	44.092	ug/l	97
82) 4-Chlorotoluene	12.99	91	428971	47.995	ug/l	100
83) tert-Butylbenzene	13.21	119	400550	47.029	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	491200	47.876	ug/l	100
85) sec-Butylbenzene	13.38	105	567522	46.699	ug/l	100
86) p-Isopropyltoluene	13.50	119	514787	46.687	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	249441	47.370	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	245012	46.774	ug/l	99
89) n-Butylbenzene	13.82	91	506732	46.051	ug/l	100
90) Hexachloroethane	14.09	117	90736	46.537	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	223766	48.046	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18436	47.305	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	156296	47.617	ug/l	99
94) Hexachlorobutadiene	15.24	225	93192	45.527	ug/l	98
95) Naphthalene	15.36	128	298963	46.642	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	137417	47.761	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. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

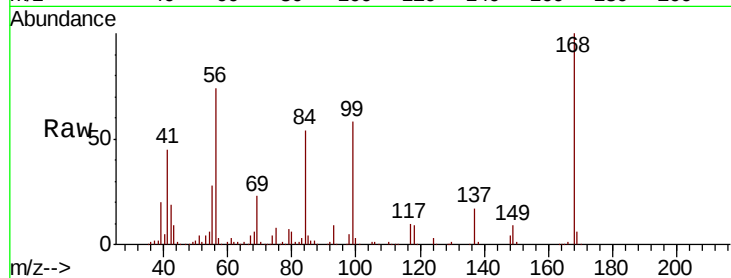
VSTDCCC050EC

Tot Ion:168 Resp: 223007

Ion Ratio Lower Upper

168 100

99 58.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

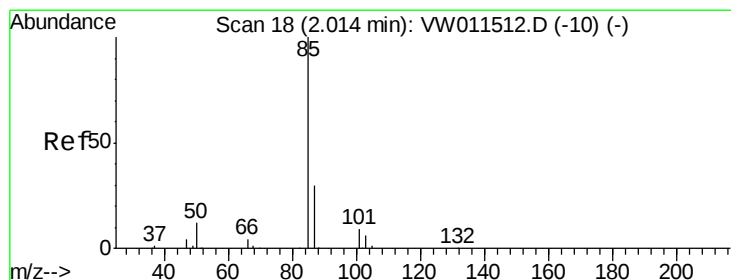
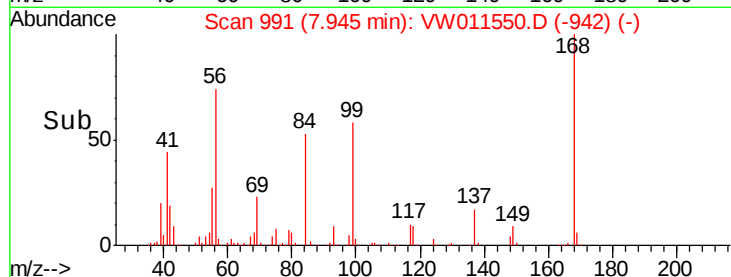
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 42.859 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011550.D

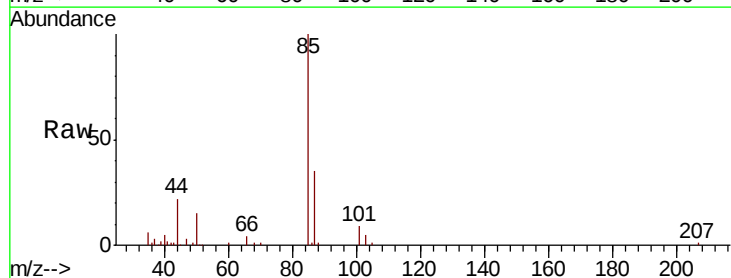
Acq: 27 Jul 2019 06:54

Tgt Ion: 85 Resp: 53267

Ion Ratio Lower Upper

85 100

87 35.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

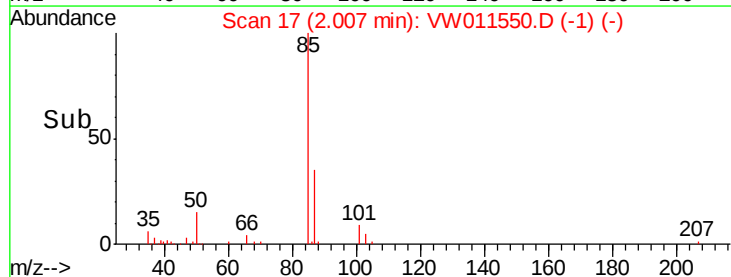
15000

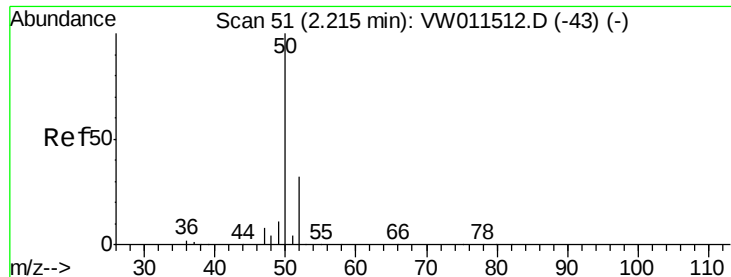
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 43.427 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

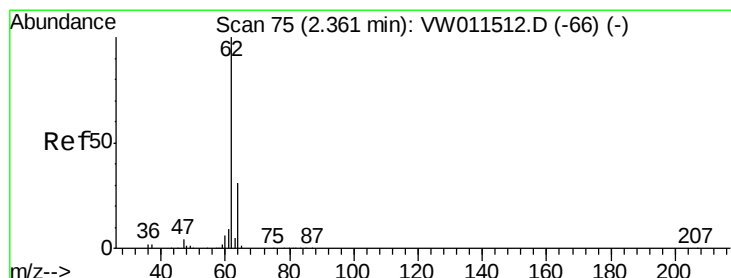
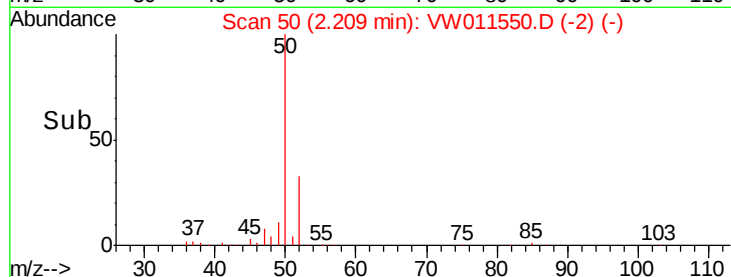
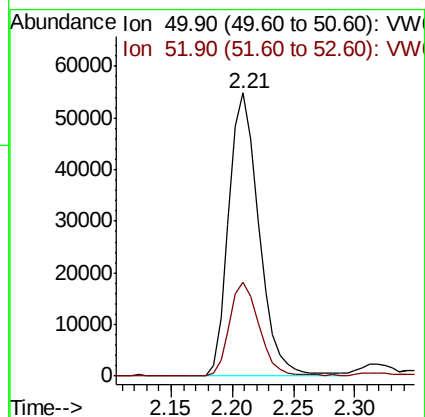
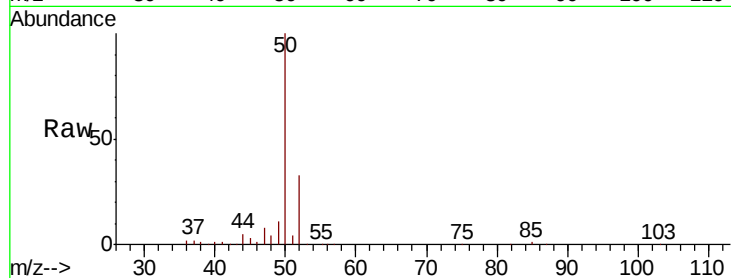
VSTDCCC050EC

Tot Ion: 50 Resp: 93591

Ion Ratio Lower Upper

50 100

52 33.0 25.4 38.2



#4

Vinyl Chloride

Concen: 45.638 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011550.D

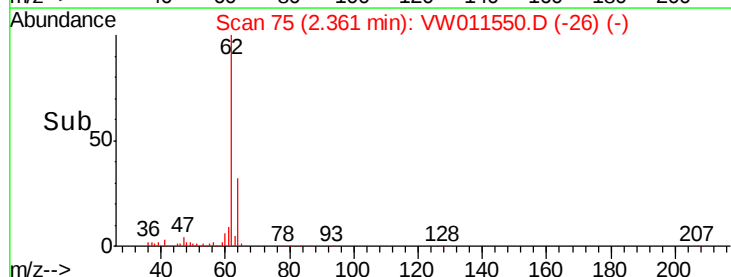
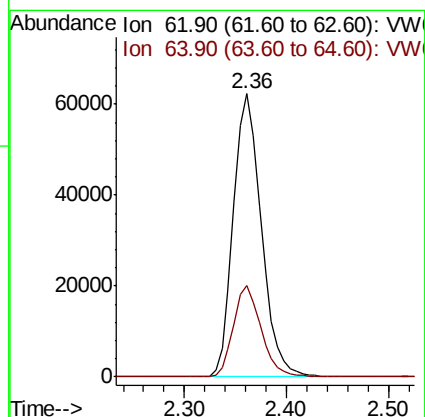
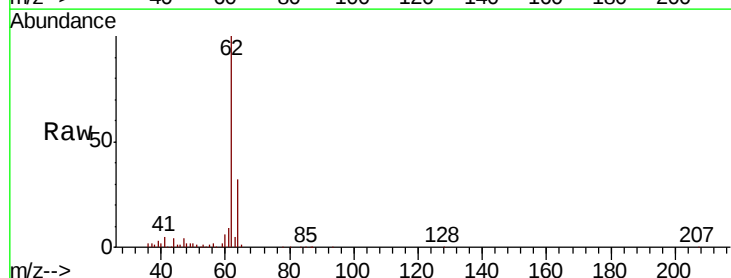
Acq: 27 Jul 2019 06:54

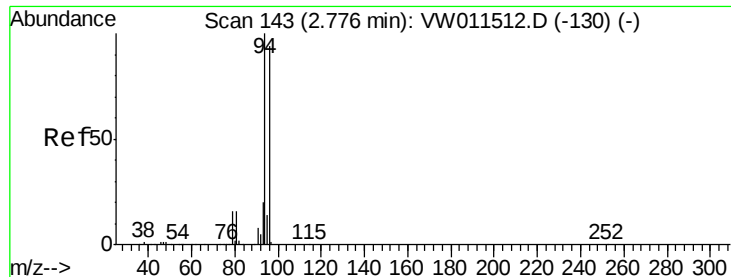
Tgt Ion: 62 Resp: 118412

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.4





#5

Bromomethane

Concen: 38.746 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

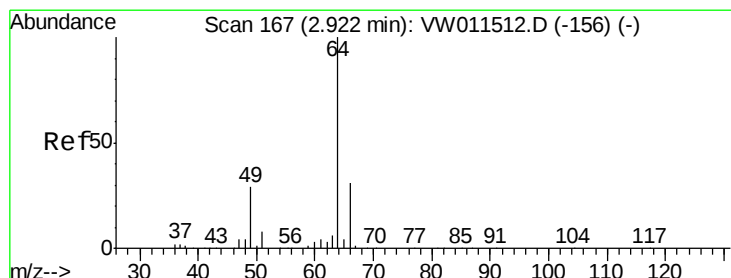
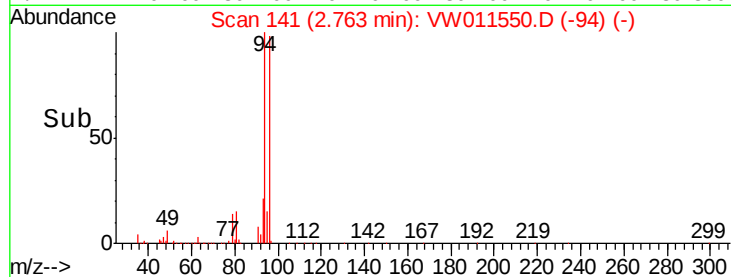
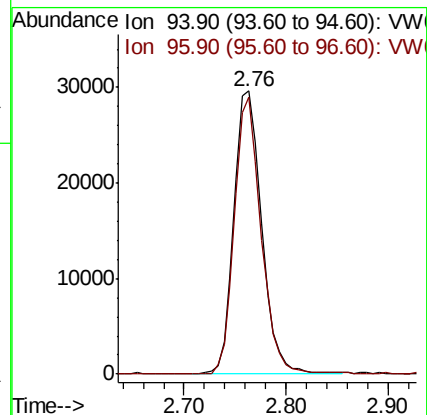
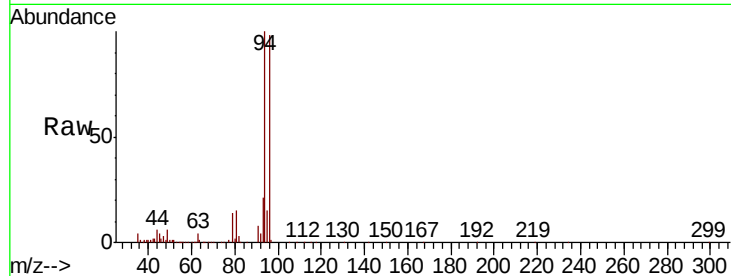
VSTDCCC050EC

Tot Ion: 94 Resp: 55645

Ion Ratio Lower Upper

94 100

96 97.5 75.0 112.6



#6

Chloroethane

Concen: 42.859 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW011550.D

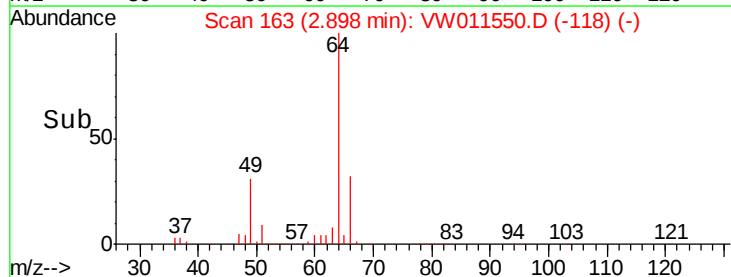
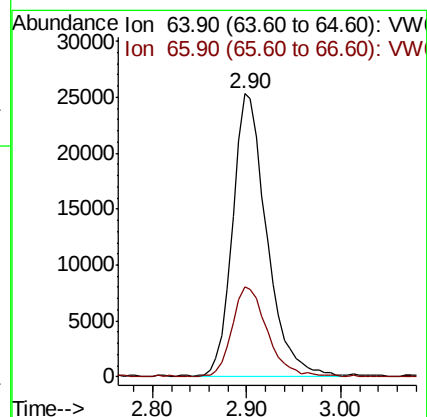
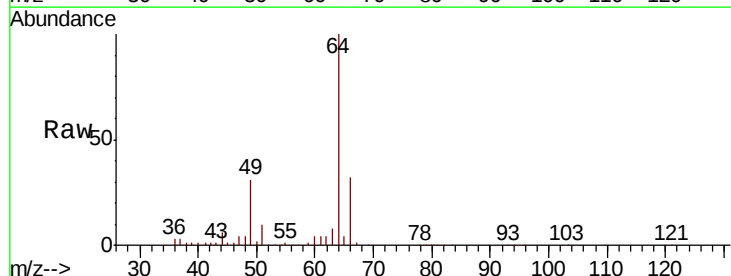
Acq: 27 Jul 2019 06:54

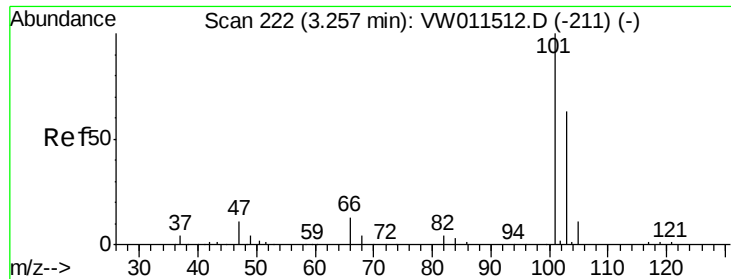
Tgt Ion: 64 Resp: 63521

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8



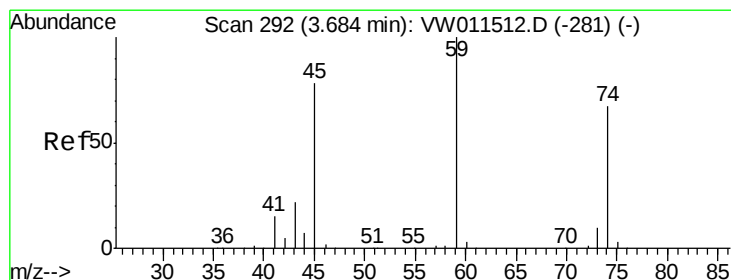
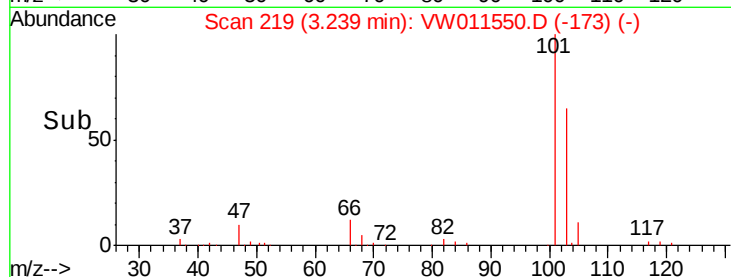
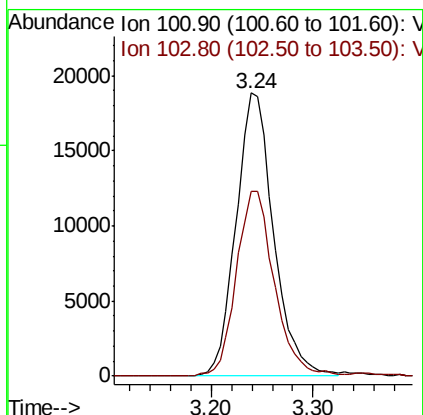
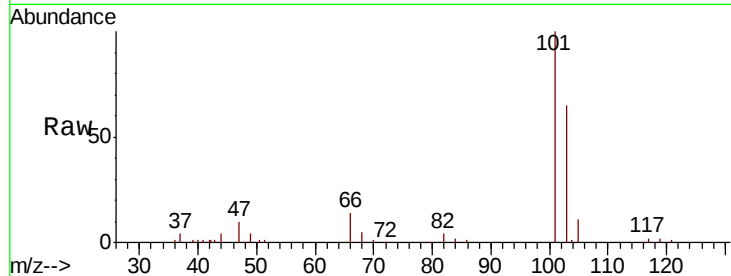


#7

Trichlorofluoromethane
 Concen: 41.569 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VW011550.D
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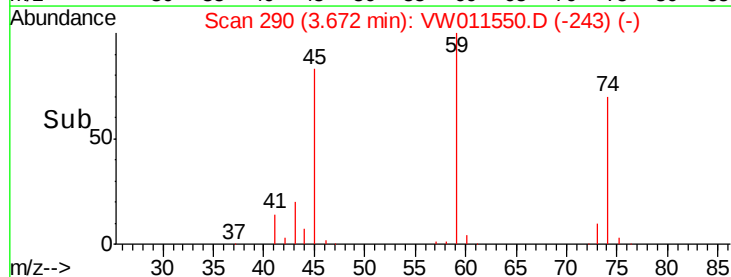
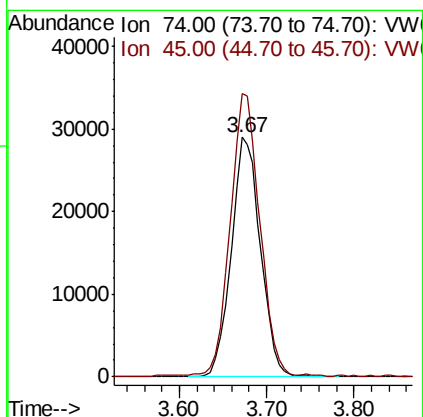
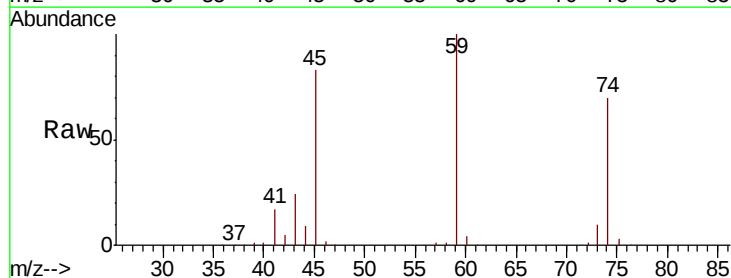
Tot Ion:101 Resp: 48202
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.2 75.4

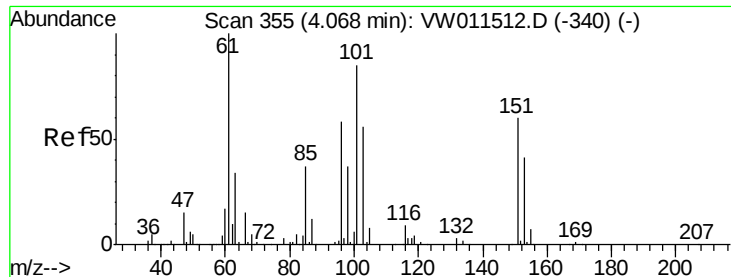


#8

Diethyl Ether
 Concen: 50.984 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion: 74 Resp: 67031
 Ion Ratio Lower Upper
 74 100
 45 121.3 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.809 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

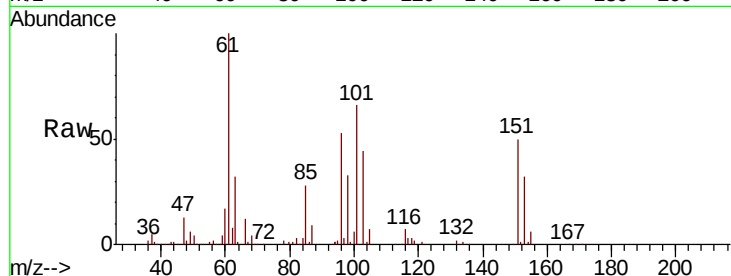
Tot Ion:101 Resp: 98566

Ion Ratio Lower Upper

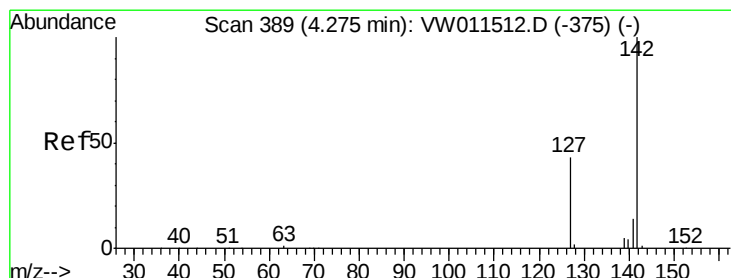
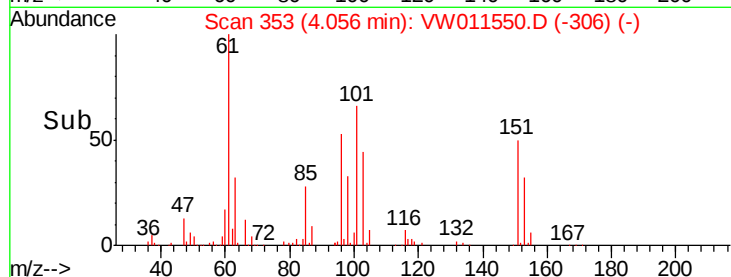
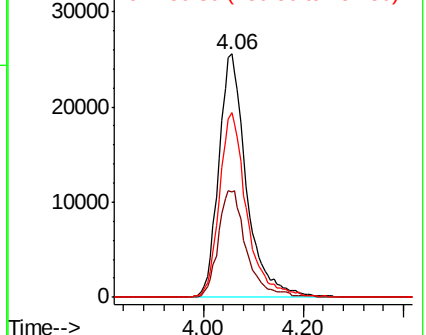
101 100

85 44.4 36.6 54.8

151 74.8 60.2 90.2



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



#10

Methyl Iodide

Concen: 47.782 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

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Acq: 27 Jul 2019 06:54

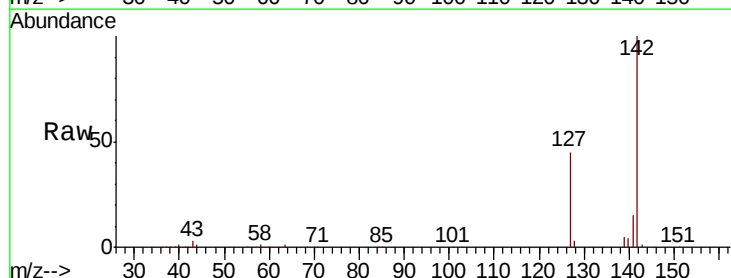
Tgt Ion:142 Resp: 148532

Ion Ratio Lower Upper

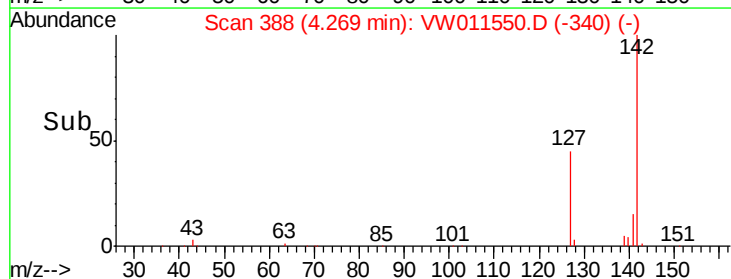
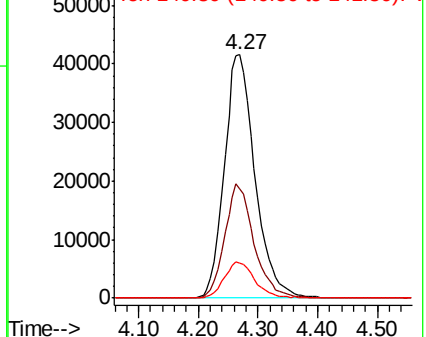
142 100

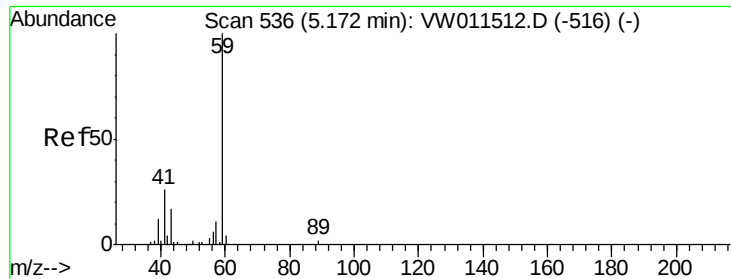
127 44.7 35.0 52.6

141 14.8 11.9 17.9



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



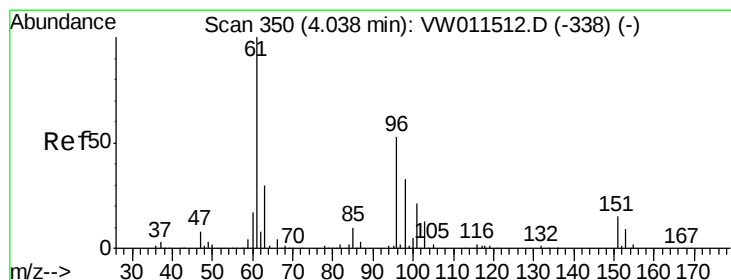
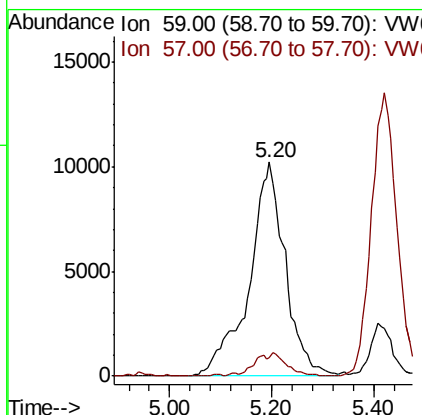
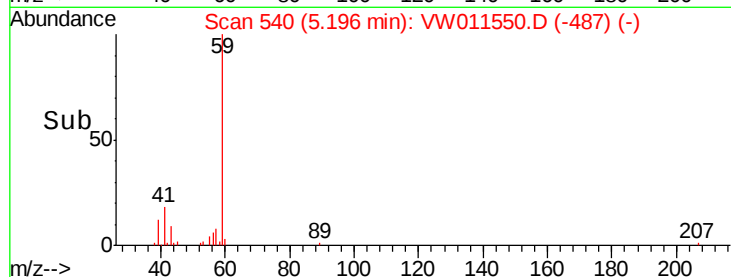
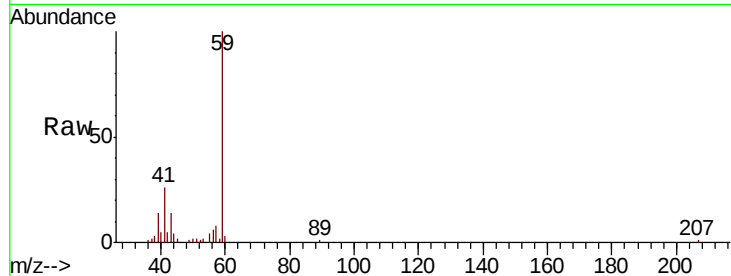


#11

Tert butyl alcohol
 Concen: 267.477 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

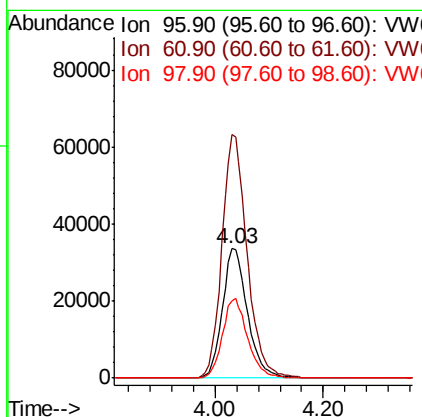
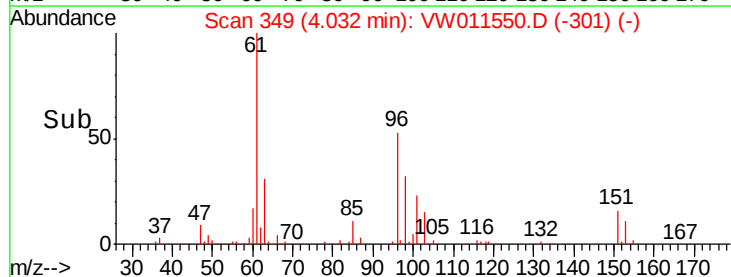
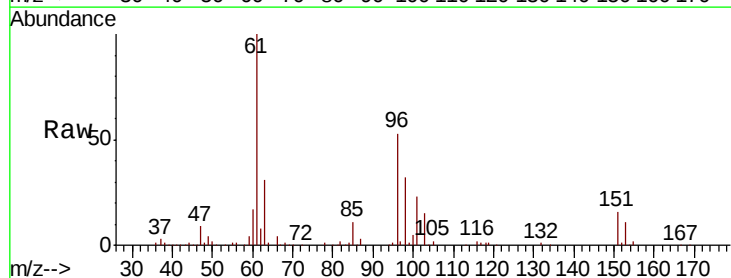
Tot Ion: 59 Resp: 50313
 Ion Ratio Lower Upper
 59 100
 57 4.8 8.5 12.7#

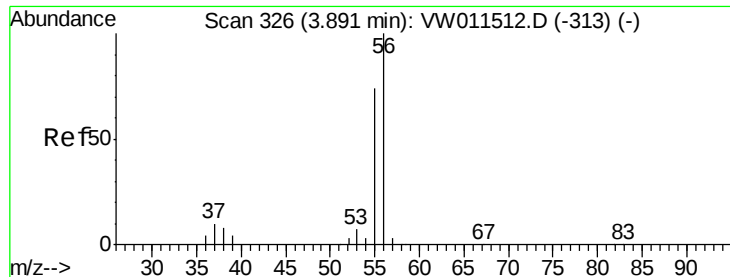


#12

1,1-Dichloroethene
 Concen: 46.459 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion: 96 Resp: 107903
 Ion Ratio Lower Upper
 96 100
 61 188.5 149.9 224.9
 98 59.5 49.1 73.7

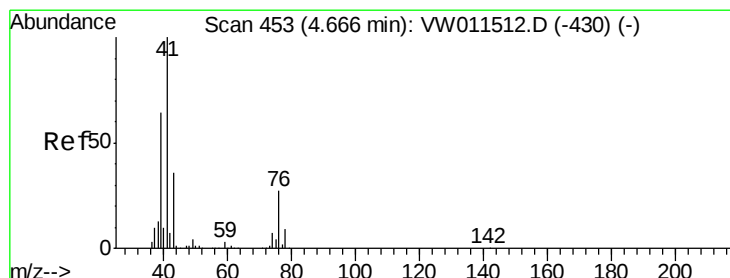
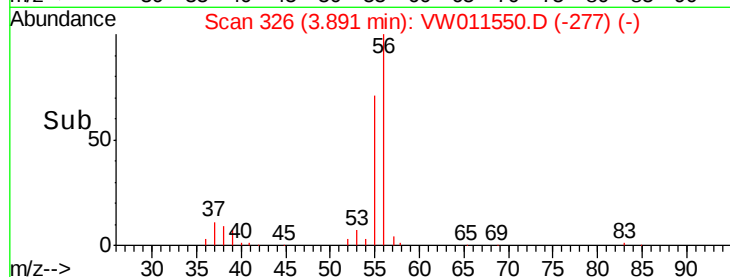
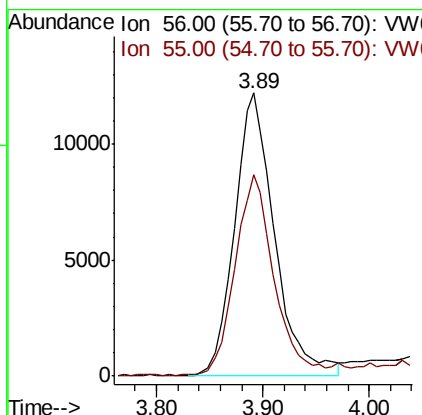
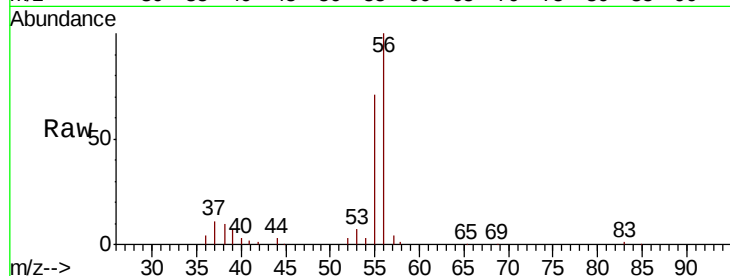




#13
Acrolein
Concen: 175.078 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

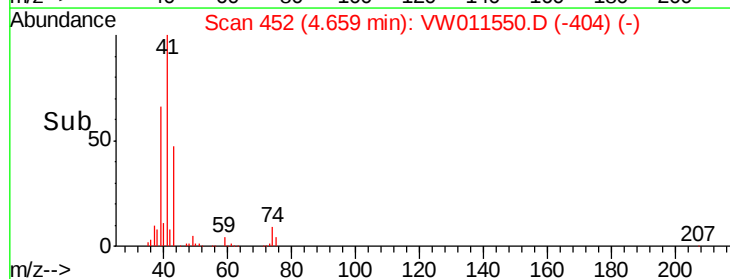
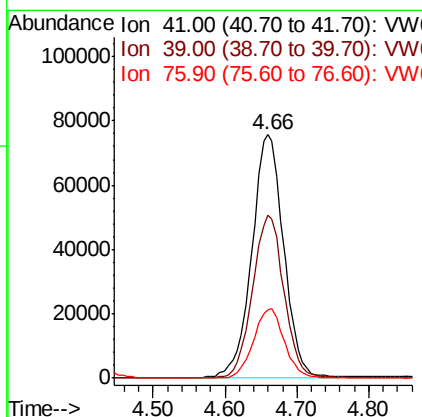
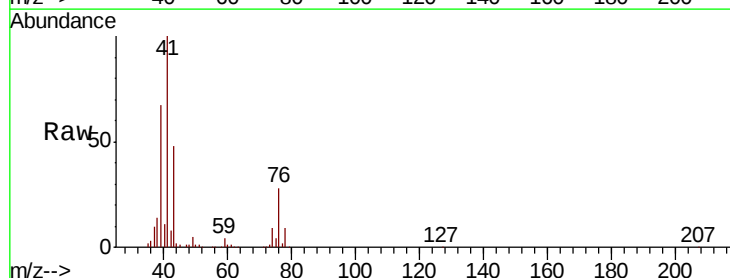
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

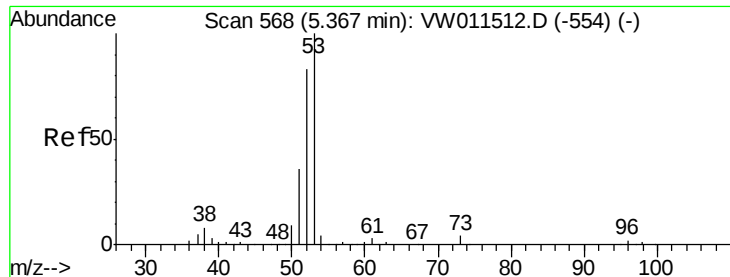
Tot Ion: 56 Resp: 32169
Ion Ratio Lower Upper
56 100
55 69.6 56.0 84.0



#14
Allyl chloride
Concen: 46.978 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 41 Resp: 232059
Ion Ratio Lower Upper
41 100
39 66.1 52.6 78.8
76 27.2 22.0 33.0





#15

Acrylonitrile

Concen: 259.623 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

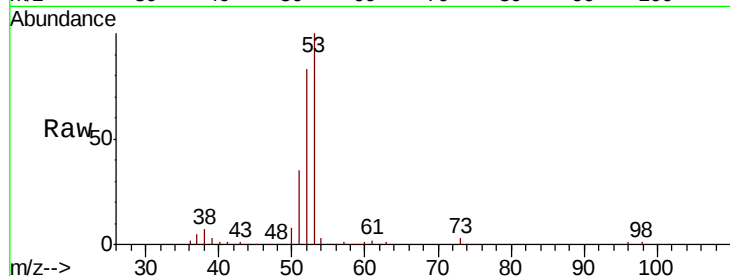
Tot Ion: 53 Resp: 170391

Ion Ratio Lower Upper

53 100

52 83.0 67.2 100.8

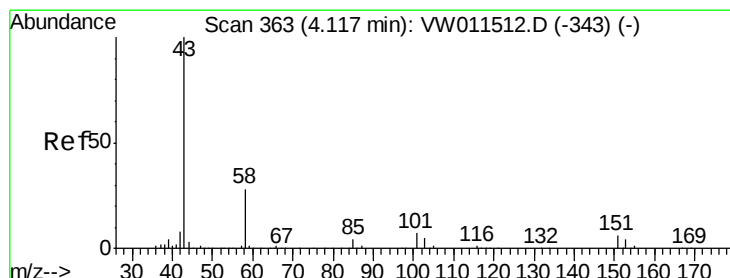
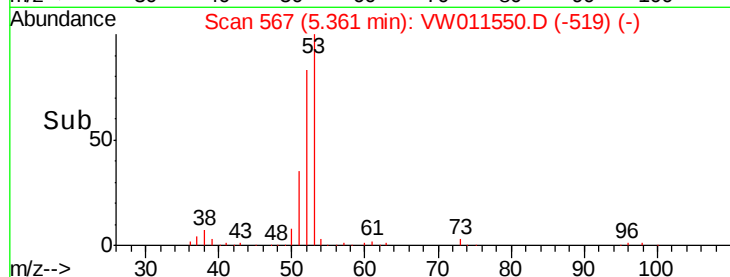
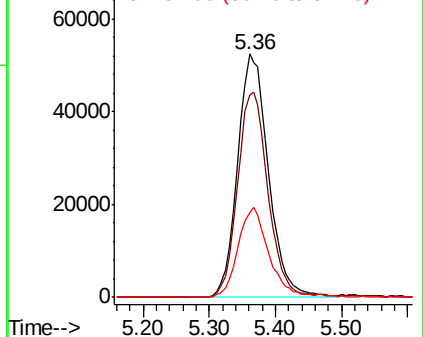
51 36.9 30.0 45.0



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: 167.797 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011550.D

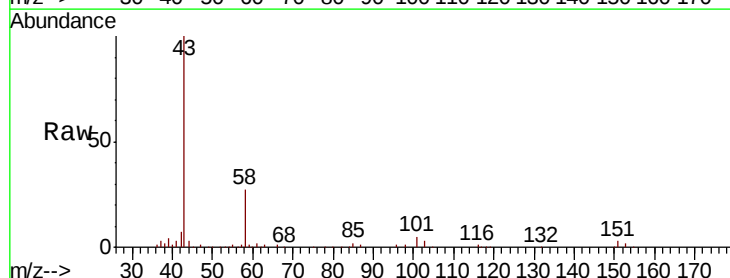
Acq: 27 Jul 2019 06:54

Tgt Ion: 43 Resp: 136682

Ion Ratio Lower Upper

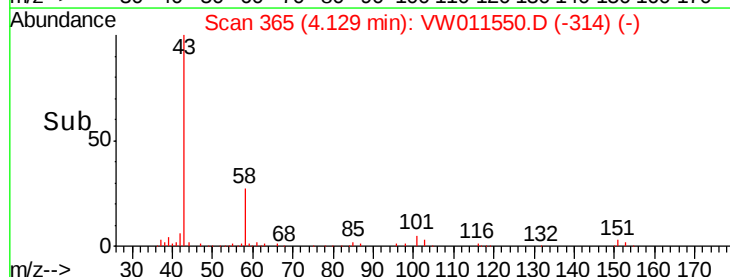
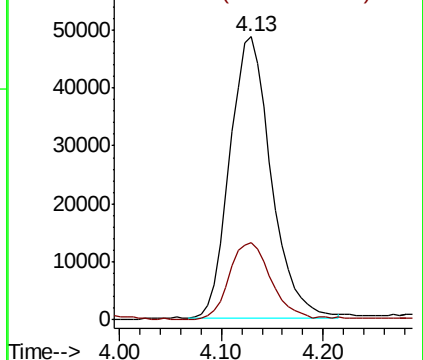
43 100

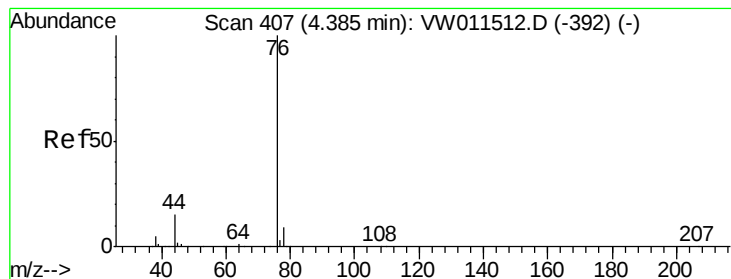
58 27.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 44.425 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

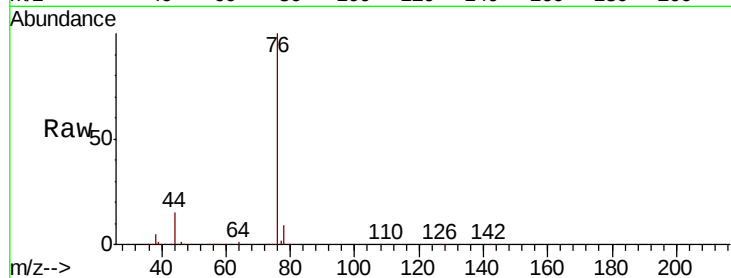
VSTDCCC050EC

Tot Ion: 76 Resp: 322933

Ion Ratio Lower Upper

76 100

78 9.4 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

120000

100000

80000

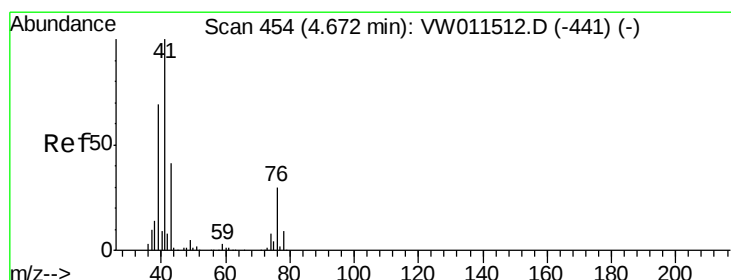
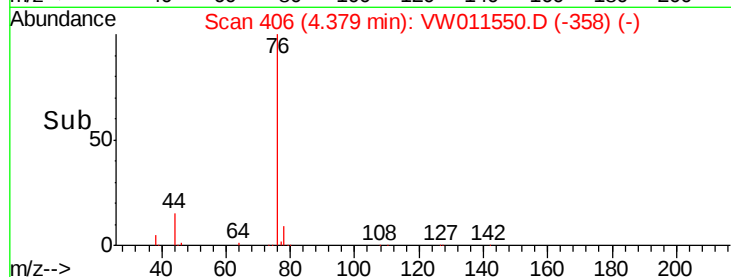
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 63.687 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011550.D

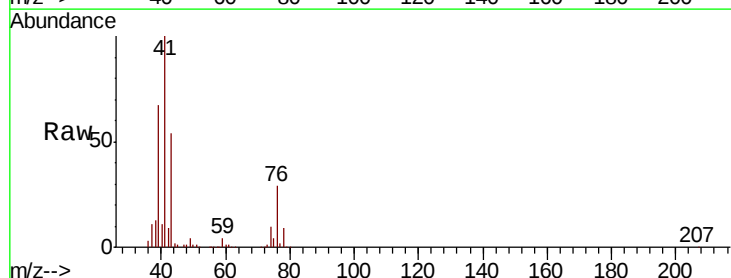
Acq: 27 Jul 2019 06:54

Tgt Ion: 43 Resp: 116542

Ion Ratio Lower Upper

43 100

74 18.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

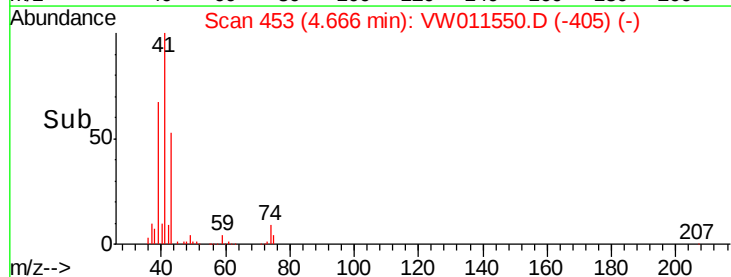
30000

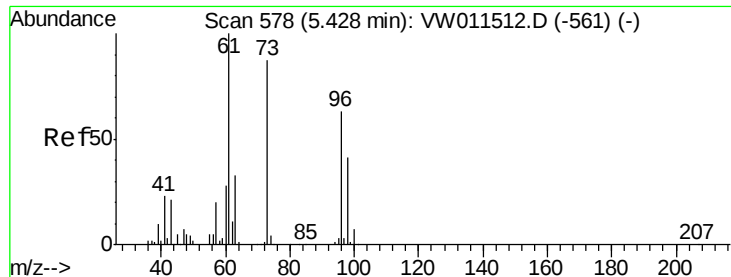
20000

10000

0

Time-->

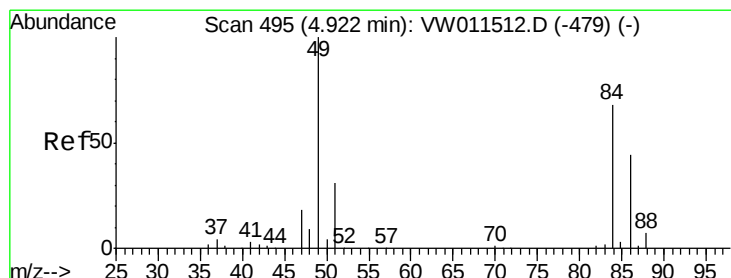
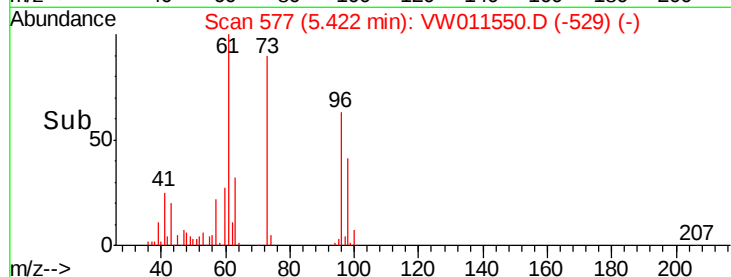
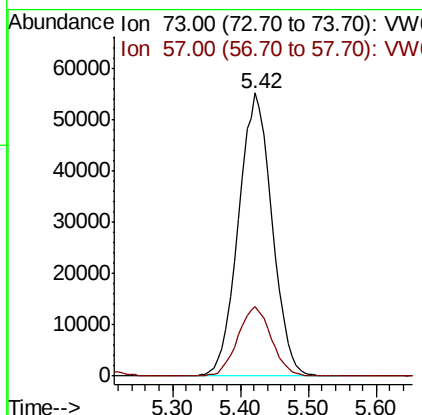
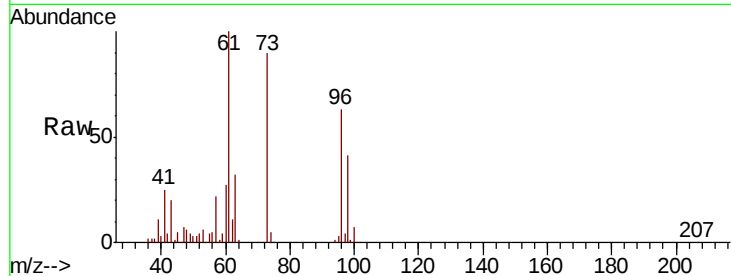




#19
Methyl tert-butyl Ether
Concen: 51.299 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

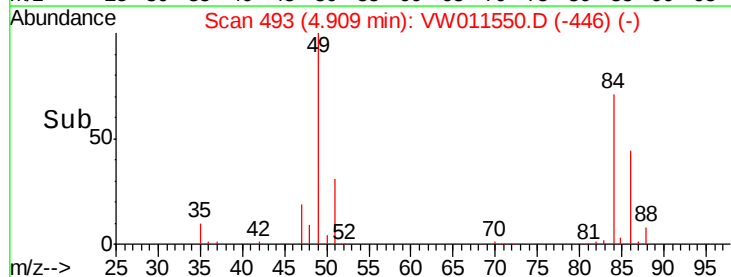
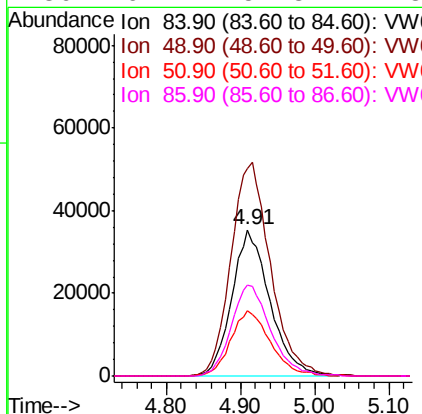
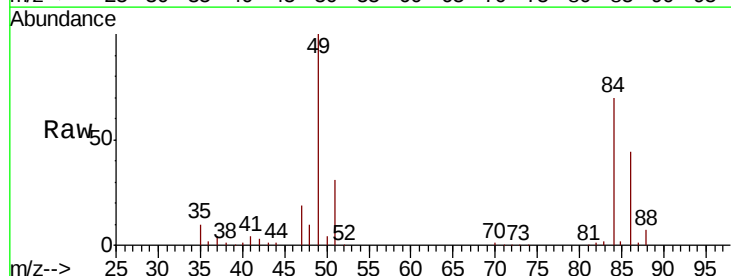
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

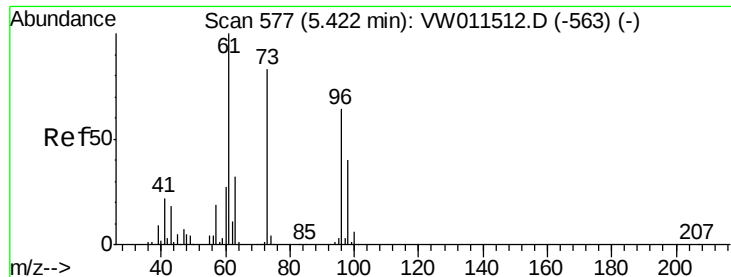
Tot Ion: 73 Resp: 189065
Ion Ratio Lower Upper
73 100
57 24.5 18.4 27.6



#20
Methylene Chloride
Concen: 45.036 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 84 Resp: 126519
Ion Ratio Lower Upper
84 100
49 142.0 117.8 176.6
51 44.3 37.0 55.4
86 62.1 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 48.770 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

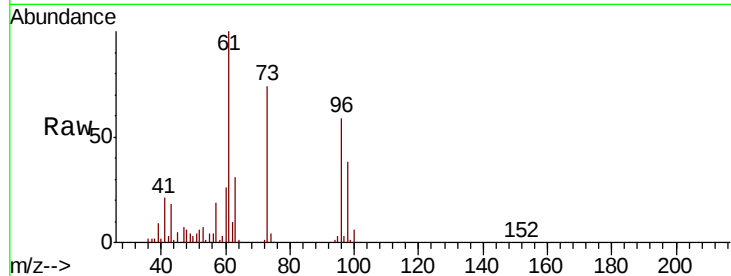
Tot Ion: 96 Resp: 122118

Ion Ratio Lower Upper

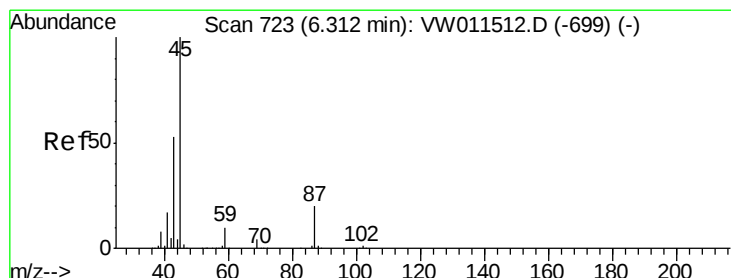
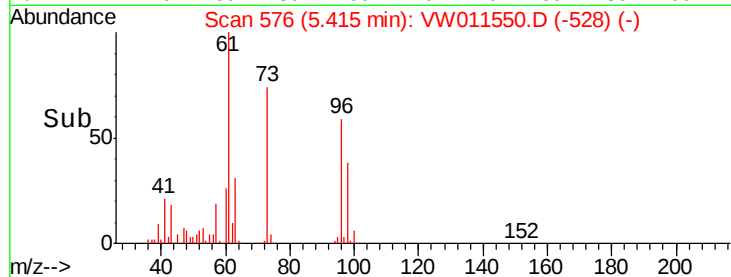
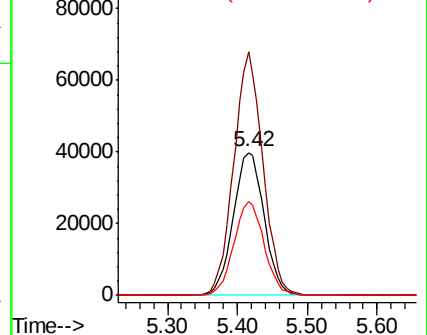
96 100

61 170.2 125.7 188.5

98 65.2 50.3 75.5



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: 51.194 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Tgt Ion: 45 Resp: 476788

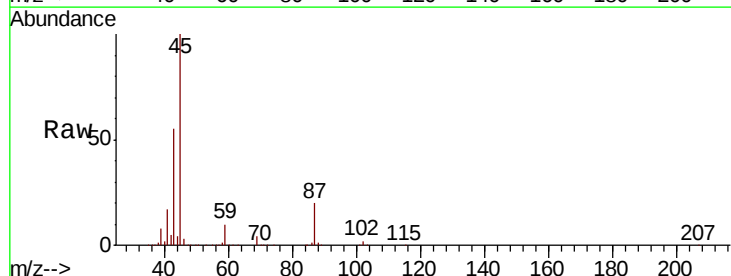
Ion Ratio Lower Upper

45 100

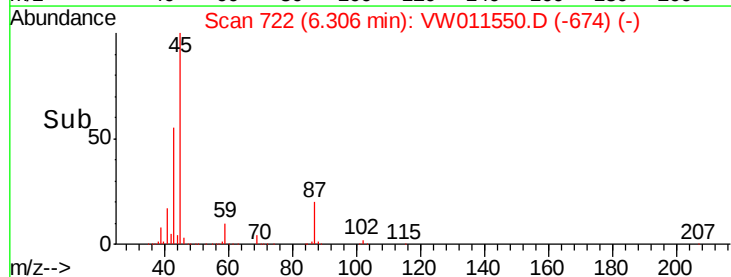
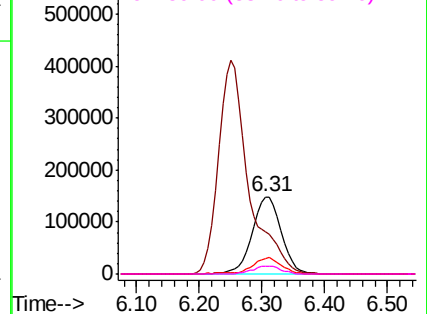
43 54.7 42.6 63.8

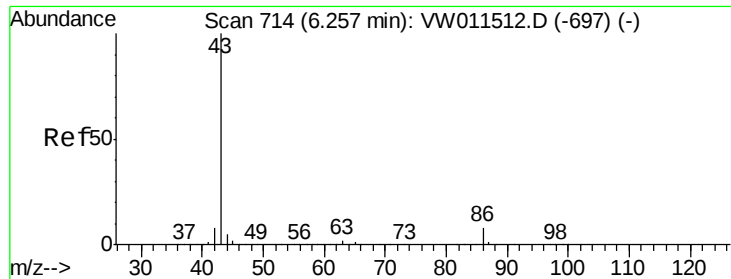
87 20.2 16.4 24.6

59 9.7 8.2 12.2



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





#23

Vinyl Acetate

Concen: 233.717 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

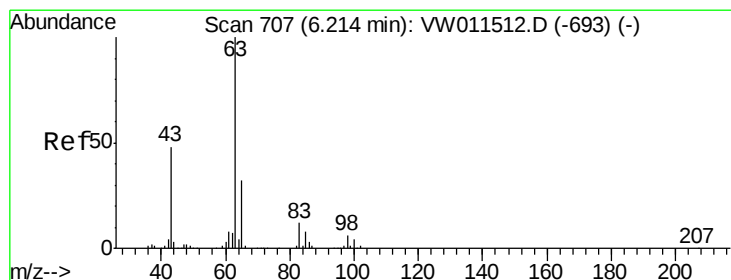
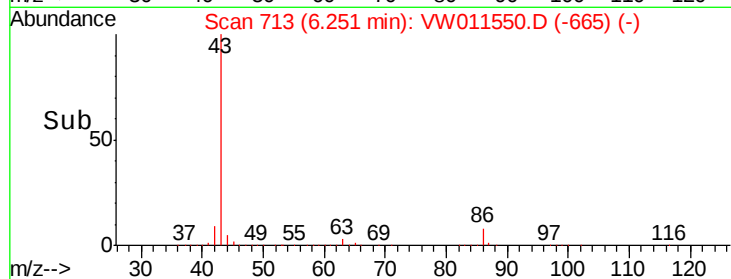
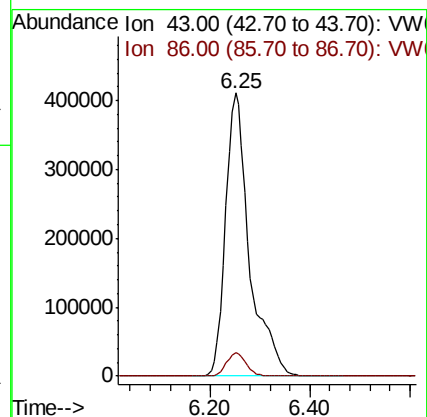
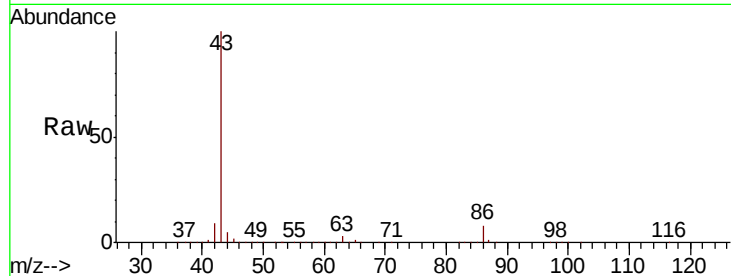
VSTDCCC050EC

Tot Ion: 43 Resp: 1367727

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



#24

1,1-Dichloroethane

Concen: 49.432 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

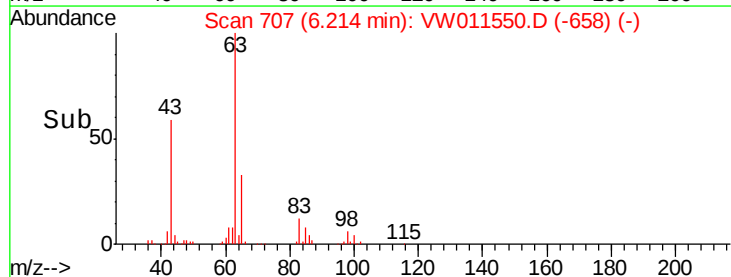
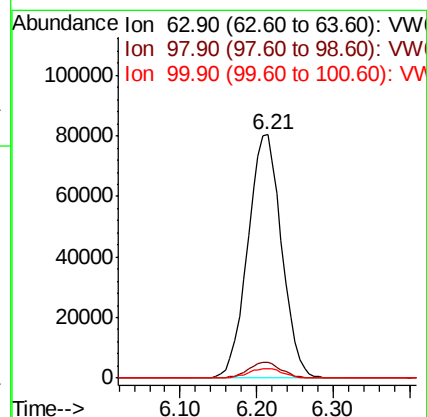
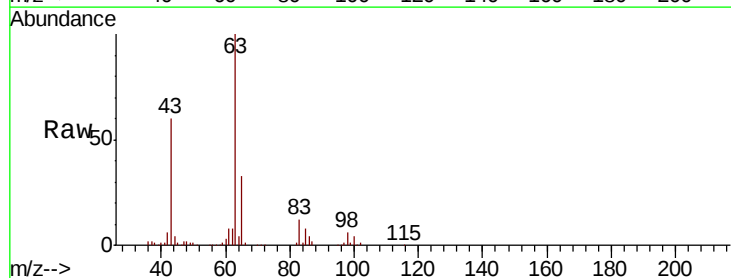
Tgt Ion: 63 Resp: 246563

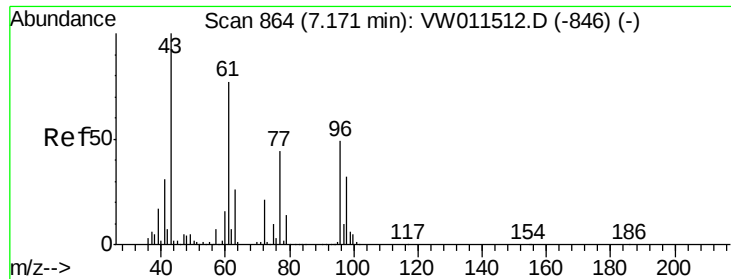
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 226.811 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

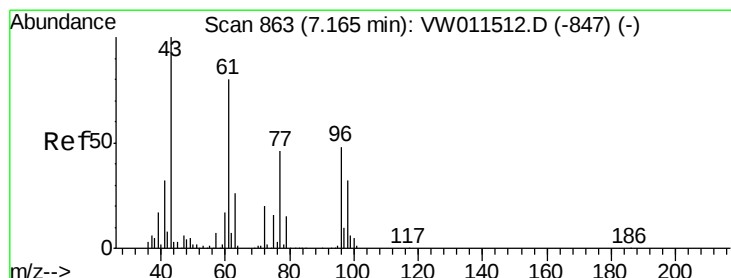
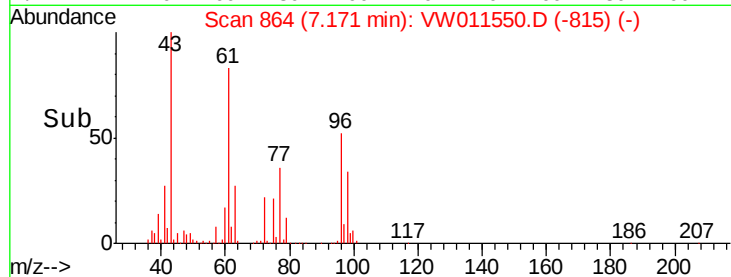
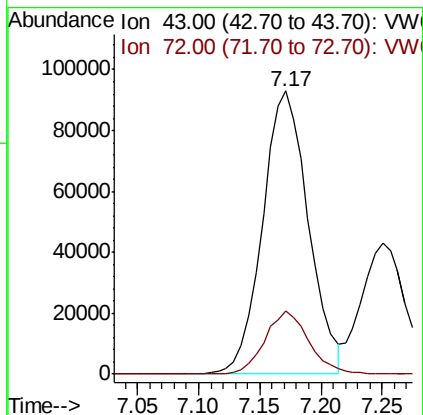
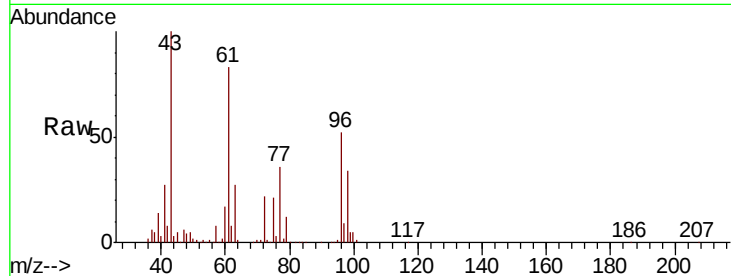
VSTDCCC050EC

Tot Ion: 43 Resp: 241754

Ion Ratio Lower Upper

43 100

72 22.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 36.832 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011550.D

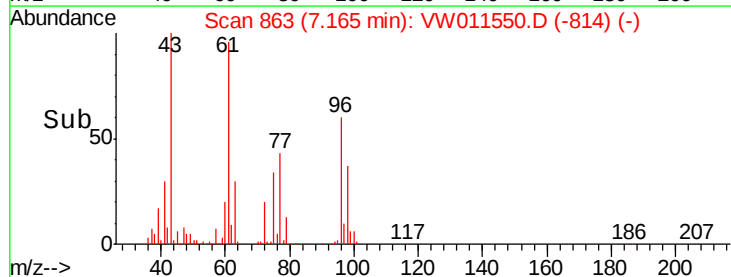
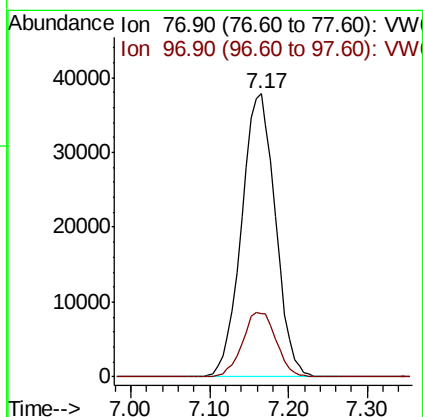
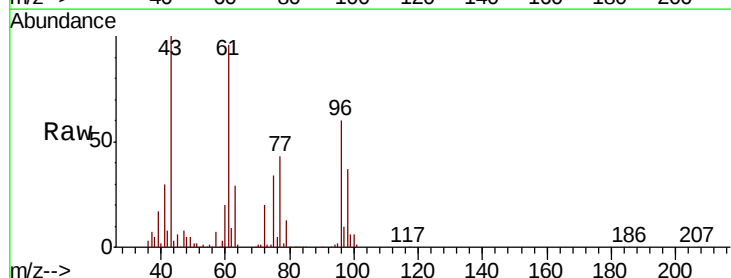
Acq: 27 Jul 2019 06:54

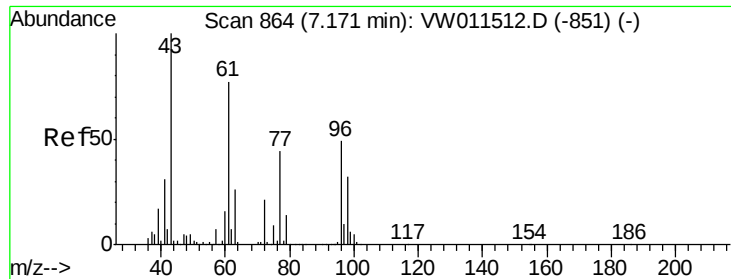
Tgt Ion: 77 Resp: 112983

Ion Ratio Lower Upper

77 100

97 22.5 10.8 32.4



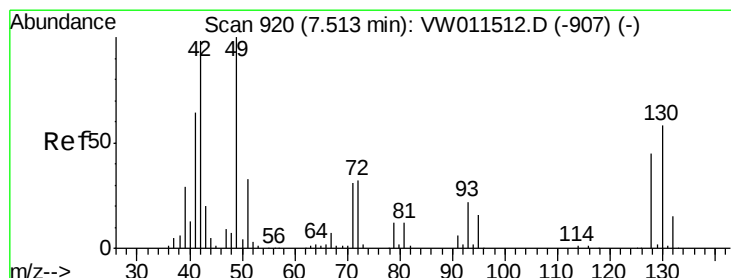
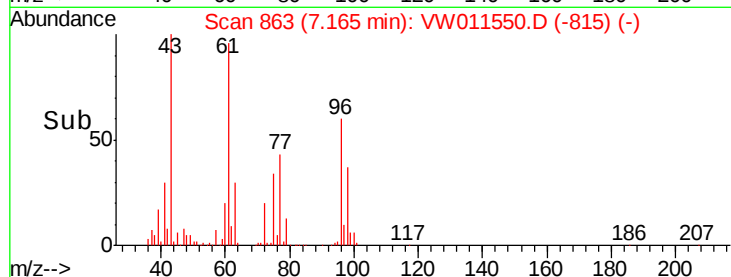
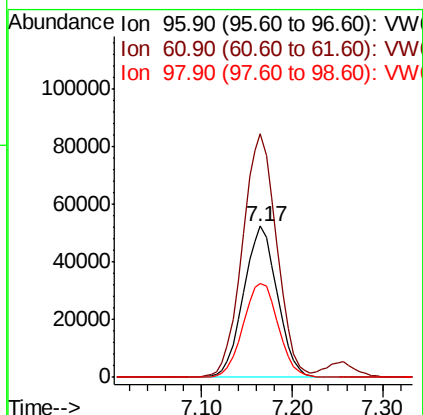
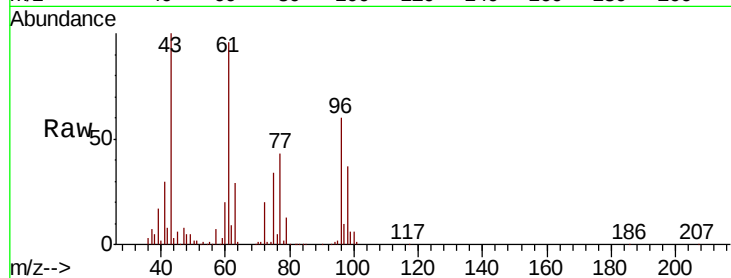


#27

cis-1,2-Dichloroethene
Concen: 49.130 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

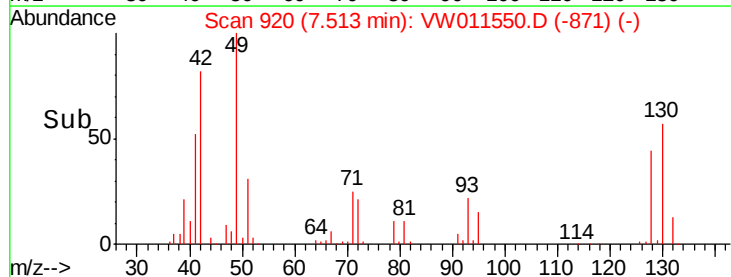
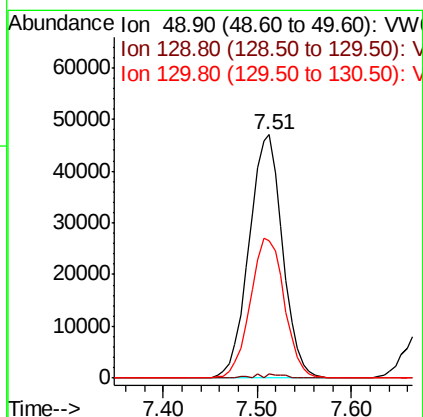
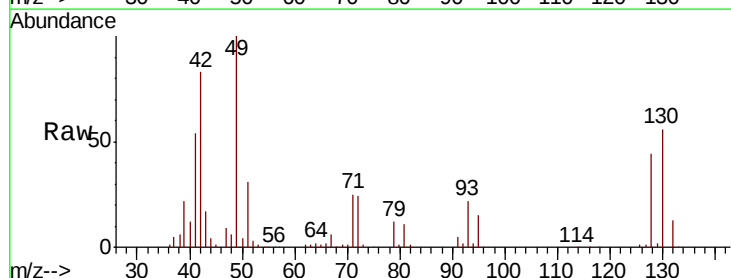
Tot Ion: 96 Resp: 135393
Ion Ratio Lower Upper
96 100
61 163.5 0.0 328.4
98 64.3 0.0 128.8

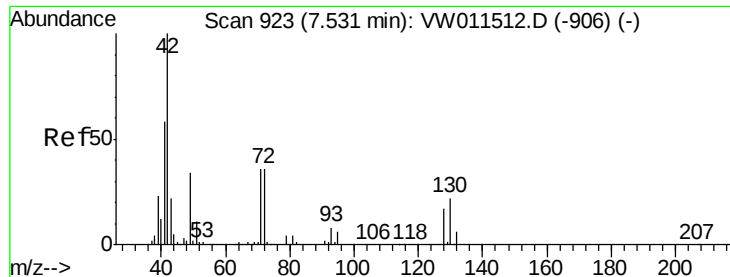


#28

Bromochloromethane
Concen: 52.743 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 49 Resp: 116770
Ion Ratio Lower Upper
49 100
129 1.4 0.0 1.0#
130 58.6 46.3 69.5

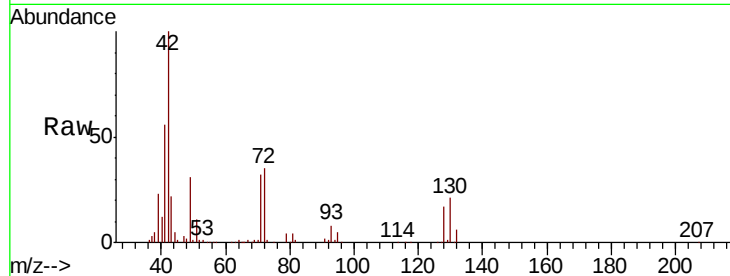




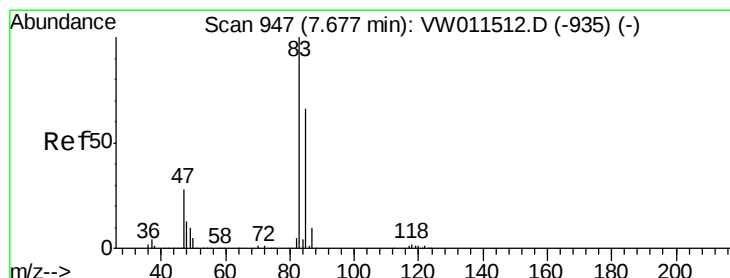
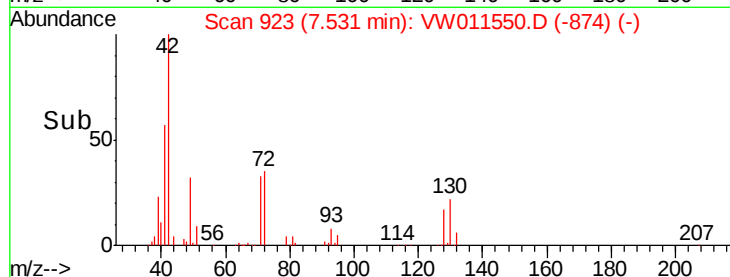
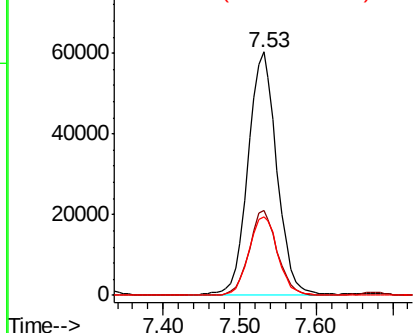
#29
Tetrahydrofuran
Concen: 259.111 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 157868
Ion Ratio Lower Upper
42 100
72 34.0 27.1 40.7
71 32.6 26.2 39.4

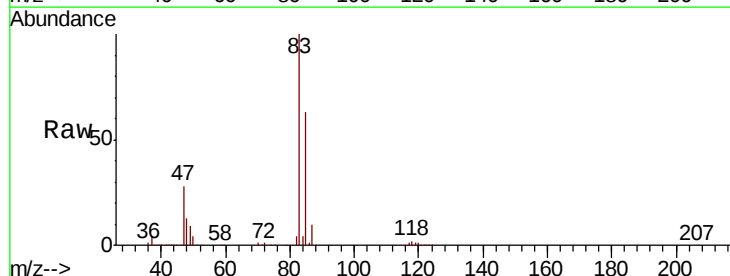


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

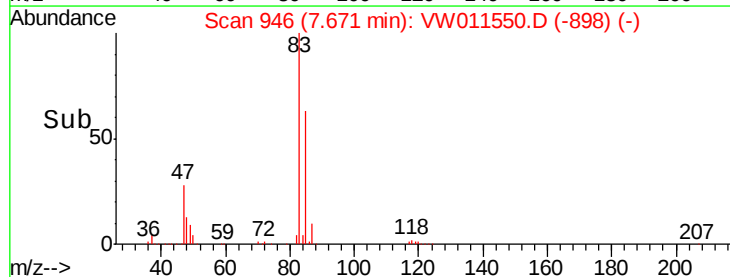
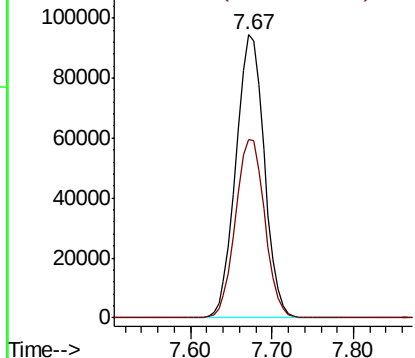


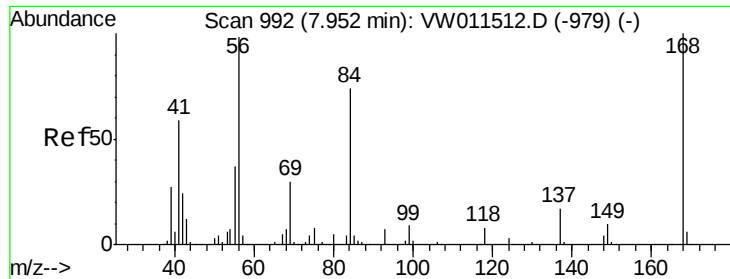
#30
Chloroform
Concen: 49.456 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 83 Resp: 227582
Ion Ratio Lower Upper
83 100
85 63.0 52.5 78.7



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

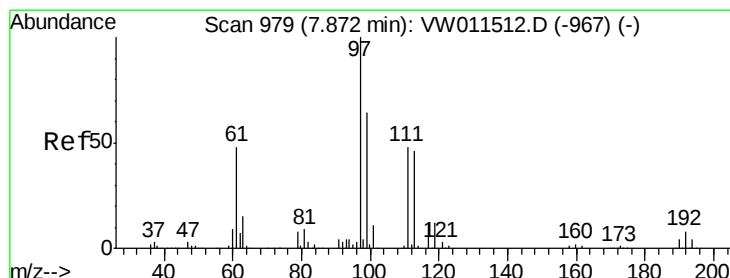
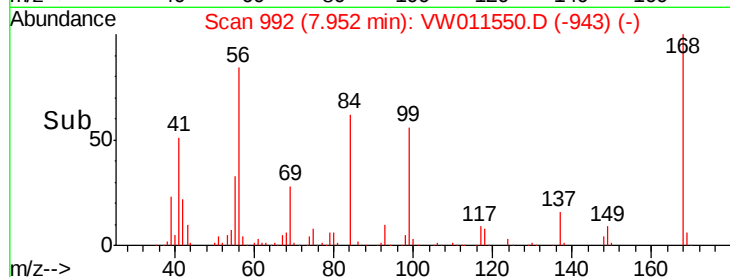
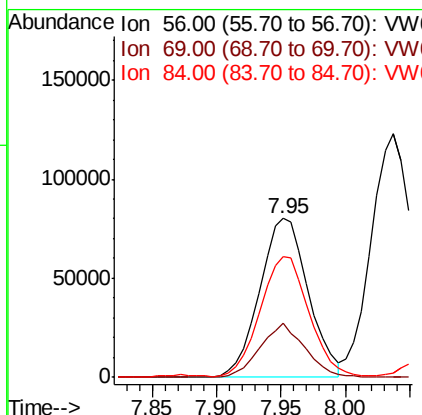
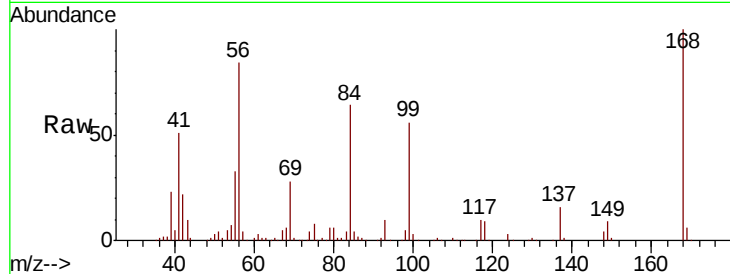




#31
Cyclohexane
Concen: 43.782 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

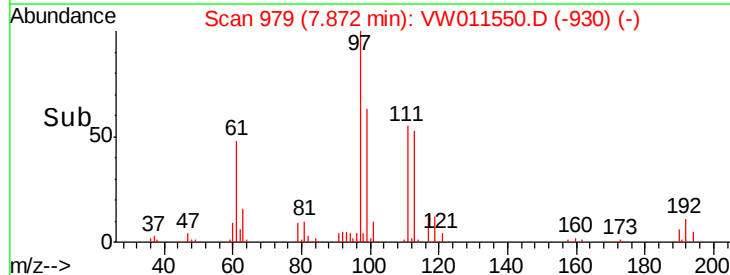
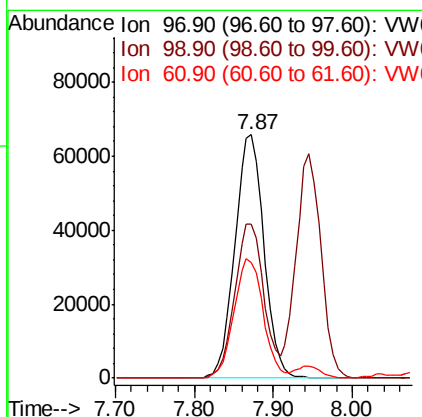
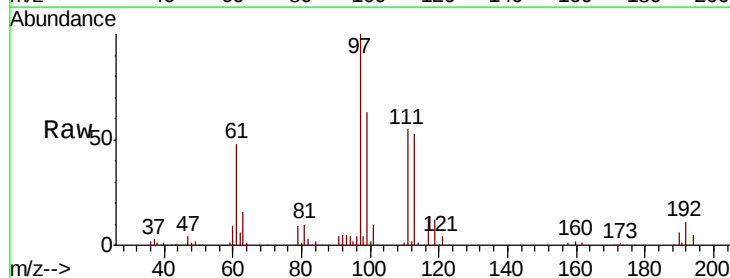
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

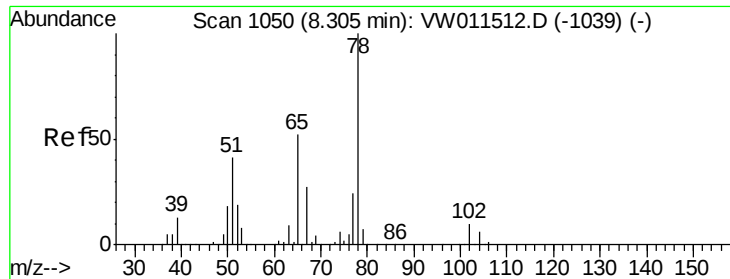
Tot Ion: 56 Resp: 209624
Ion Ratio Lower Upper
56 100
69 33.8 24.3 36.5
84 74.8 60.4 90.6



#32
1,1,1-Trichloroethane
Concen: 48.101 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 97 Resp: 168569
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 49.6 39.8 59.6

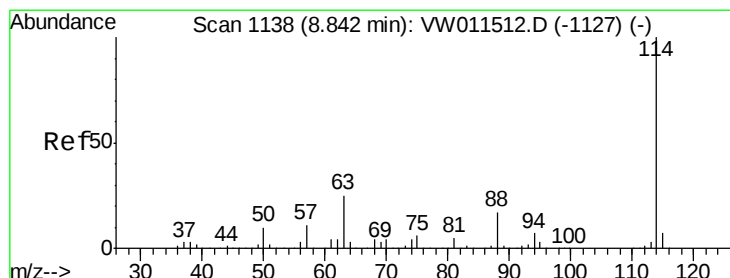
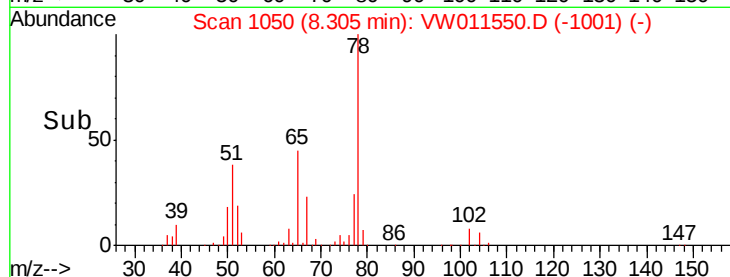
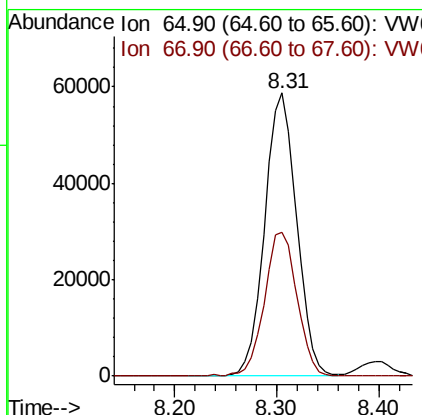
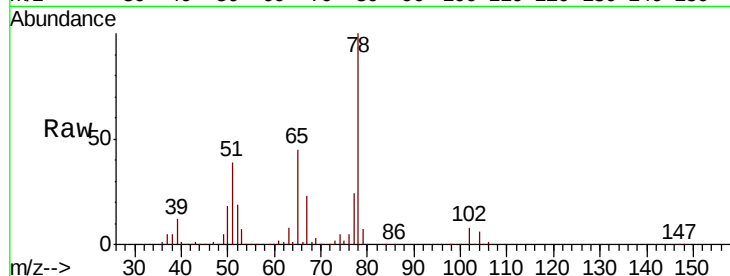




#33
 1,2-Dichloroethane-d4
 Concen: 49.579 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

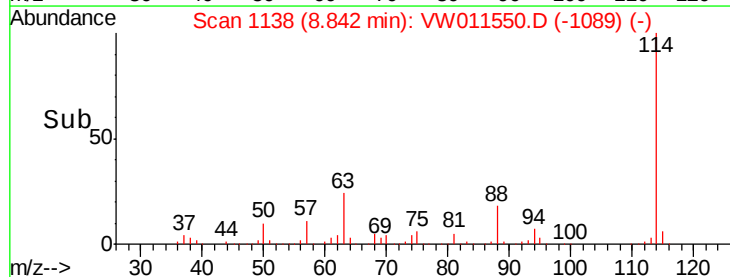
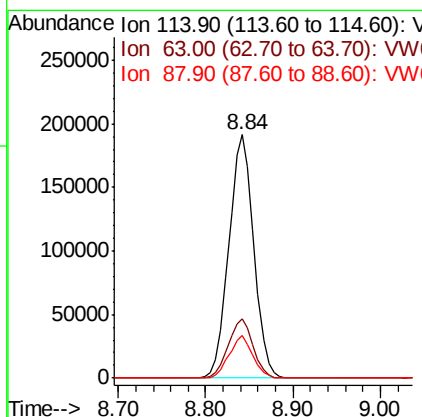
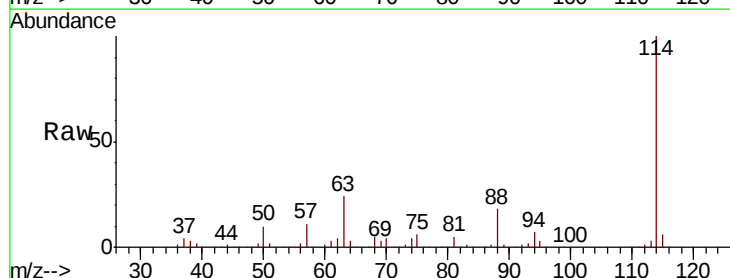
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

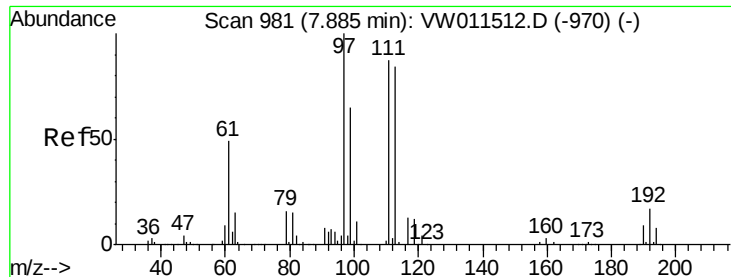
Tot Ion: 65 Resp: 126959
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion: 114 Resp: 377098
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 17.6 0.0 33.8

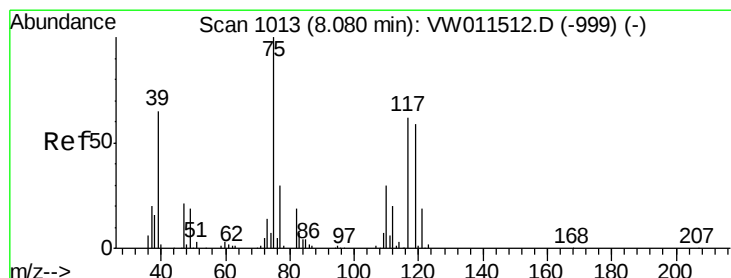
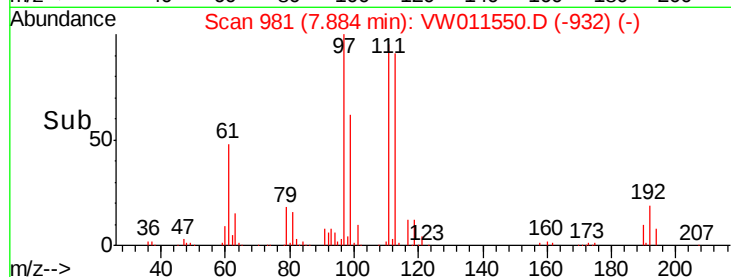
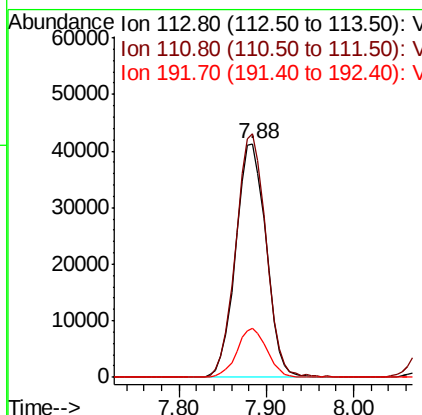
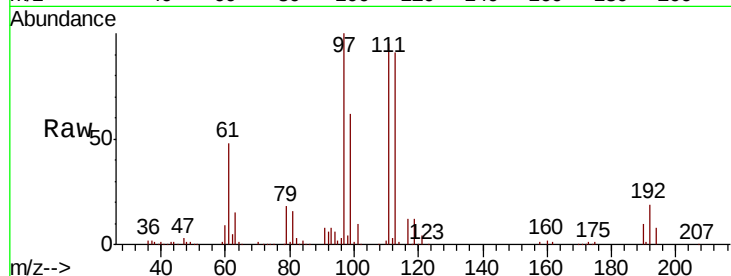




#35
 Dibromofluoromethane
 Concen: 47.209 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

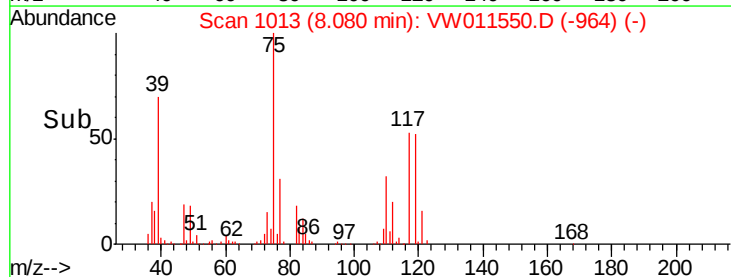
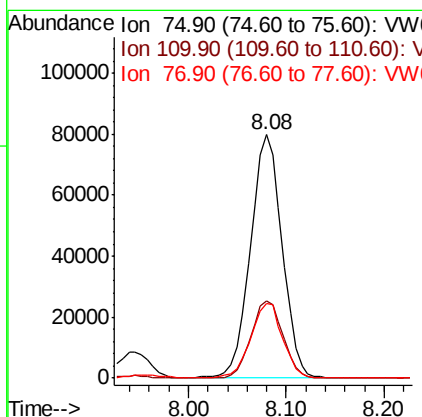
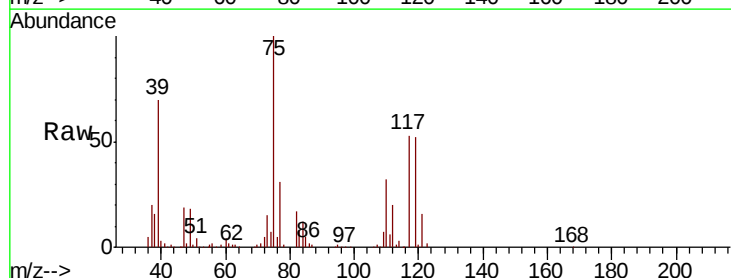
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

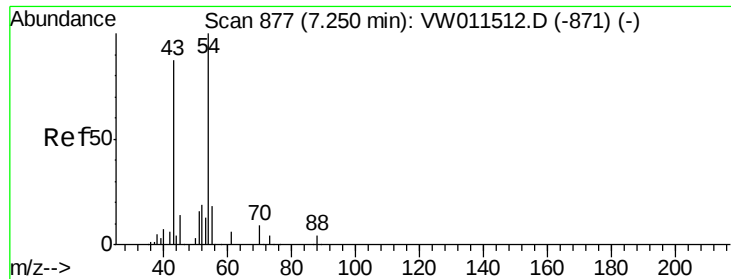
Tot Ion:113 Resp: 99874
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.7 124.1
 192 20.7 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 45.424 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion: 75 Resp: 178115
 Ion Ratio Lower Upper
 75 100
 110 32.1 15.6 46.8
 77 31.3 24.3 36.5

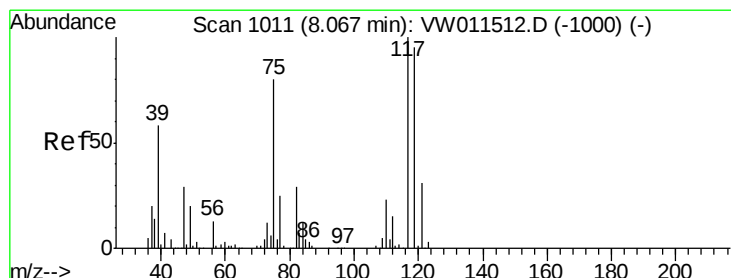
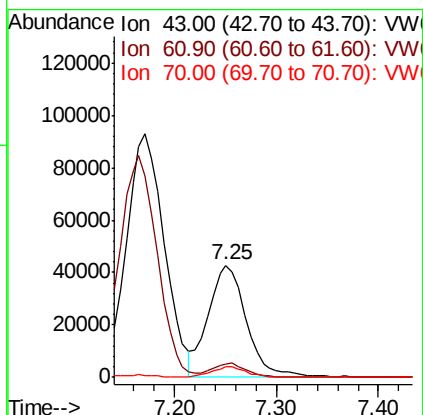
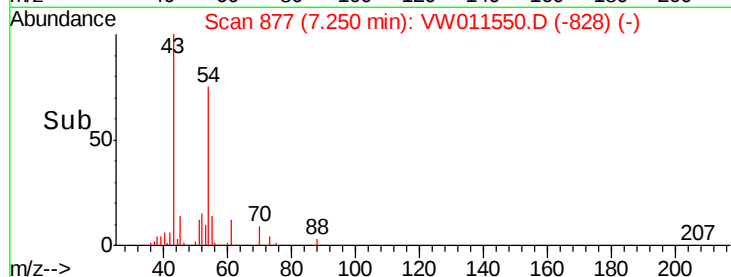
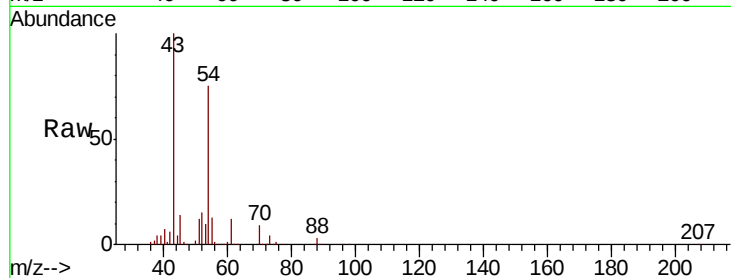




#37
Ethyl Acetate
Concen: 48.808 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

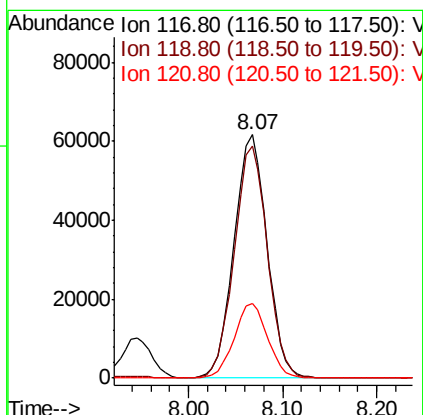
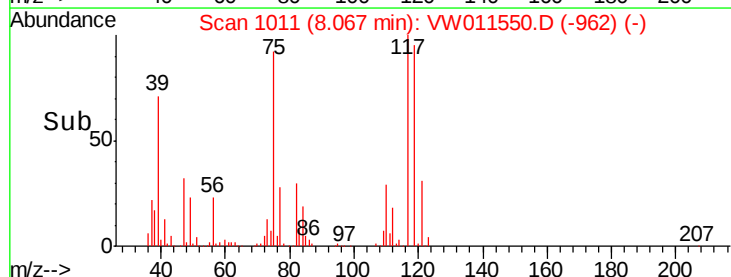
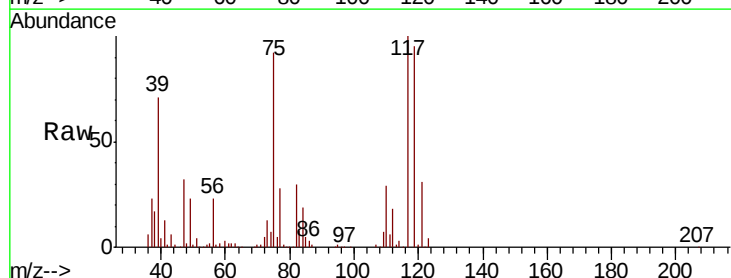
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

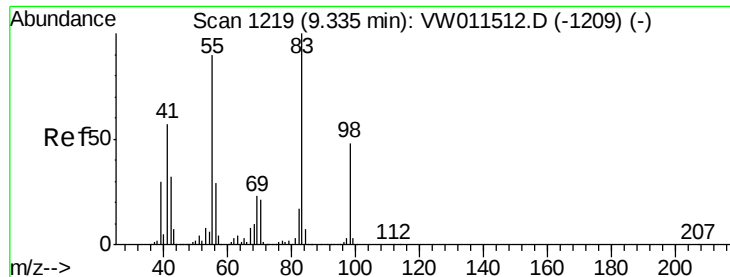
Tot Ion: 43 Resp: 110107
Ion Ratio Lower Upper
43 100
61 11.7 8.8 13.2
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 44.764 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 117 Resp: 150262
Ion Ratio Lower Upper
117 100
119 95.5 75.8 113.6
121 30.8 24.7 37.1

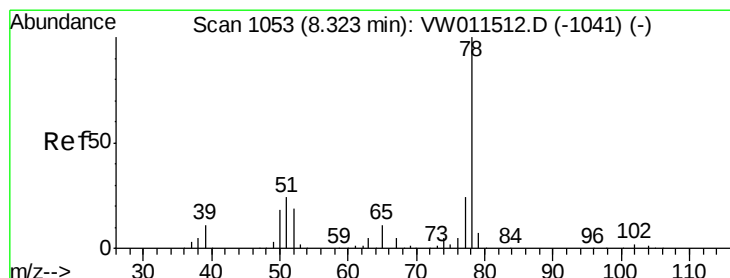
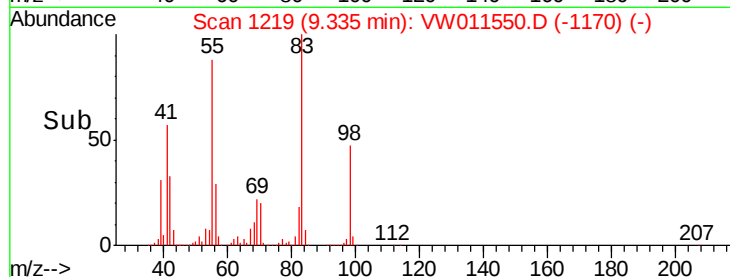
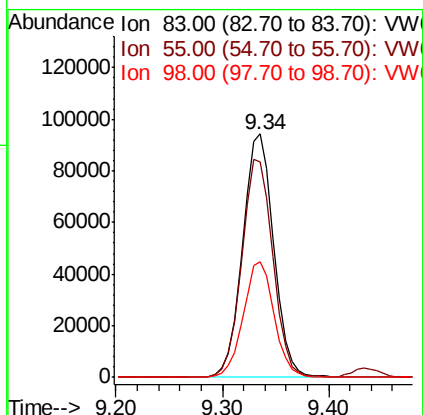
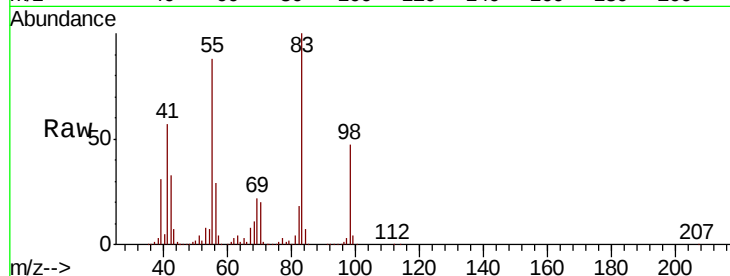




#39
Methvlcvclohexane
Concen: 44.849 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

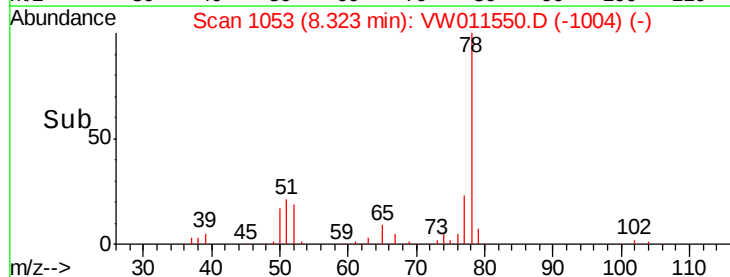
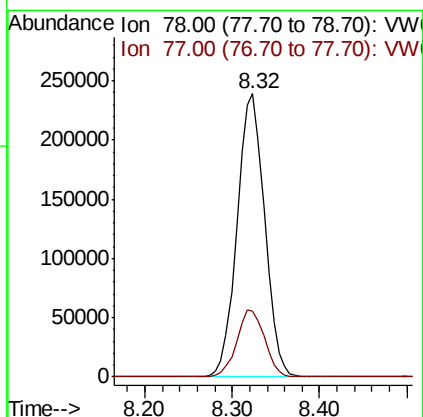
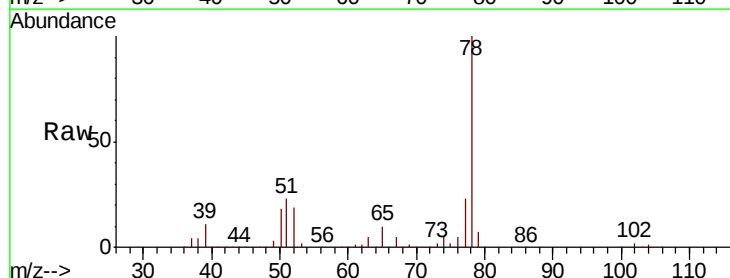
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

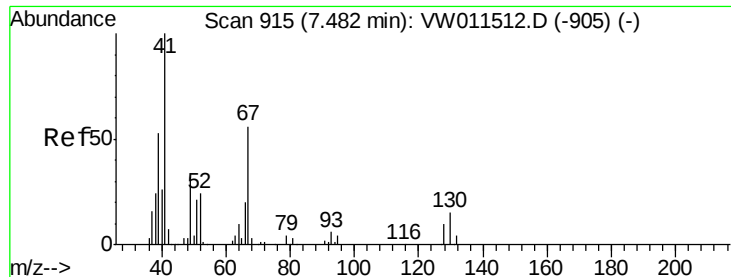
Tot Ion: 83 Resp: 193642
Ion Ratio Lower Upper
83 100
55 88.4 72.1 108.1
98 47.4 38.6 57.8



#40
Benzene
Concen: 47.803 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 78 Resp: 525035
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.0

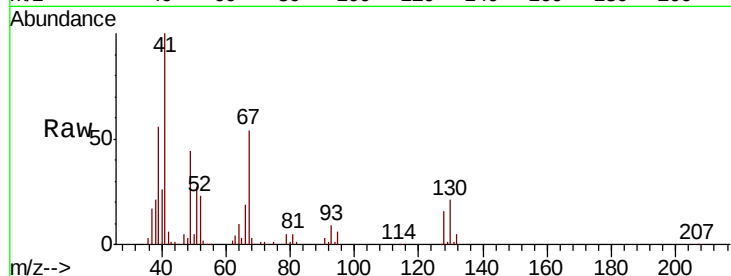




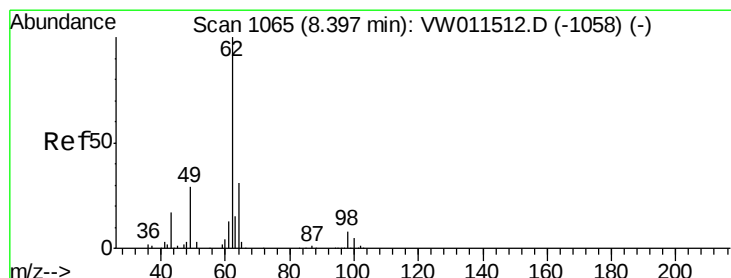
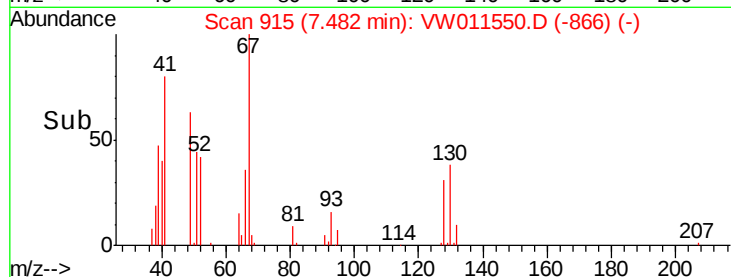
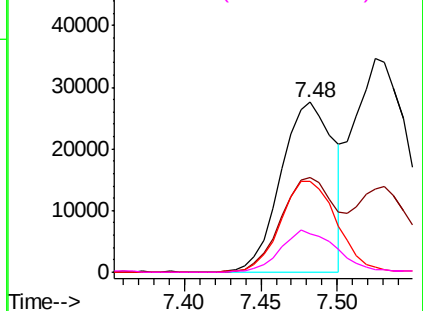
#41
Methacrylonitrile
Concen: 48.958 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	66021
Ion	Ratio	Lower	Upper
41	100		
39	60.1	43.0	64.4
67	57.6	47.5	71.3
52	26.7	21.0	31.6

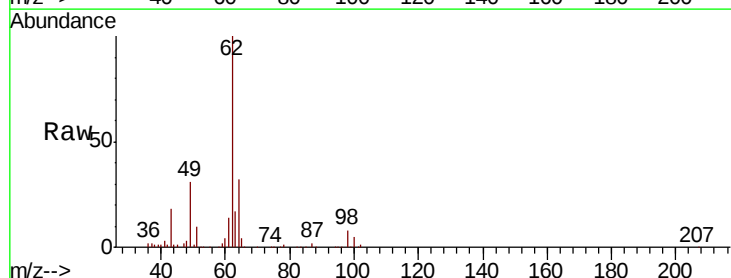


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

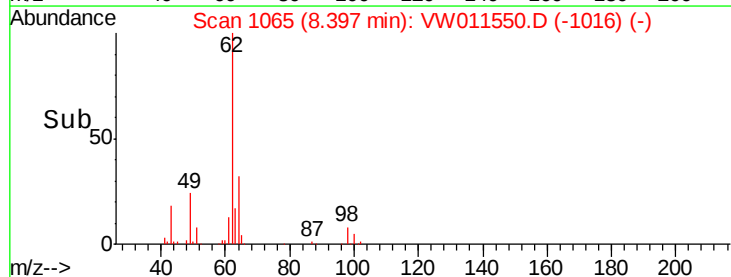
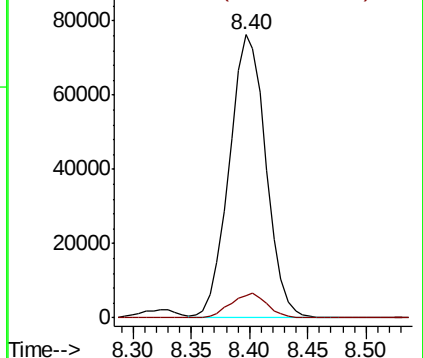


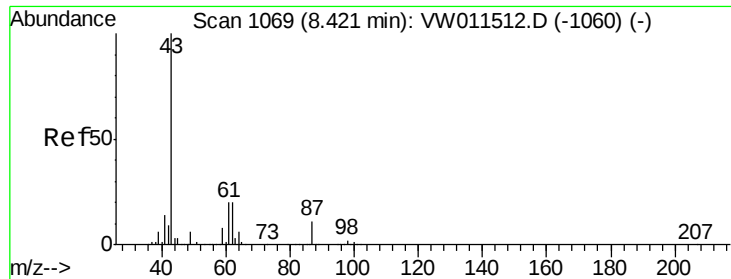
#42
1,2-Dichloroethane
Concen: 48.481 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion:	62	Resp:	166713
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 49.311 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

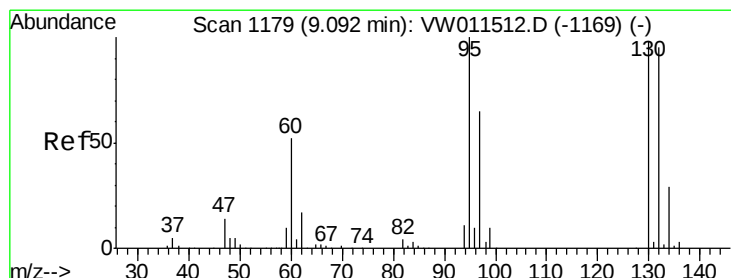
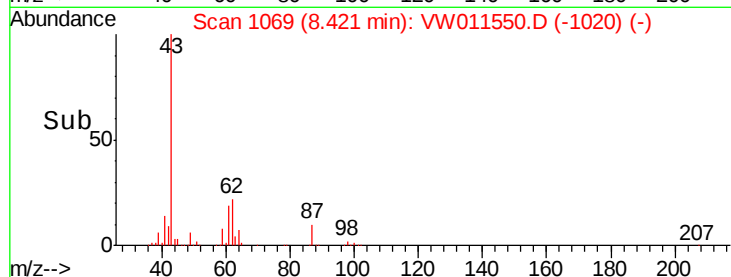
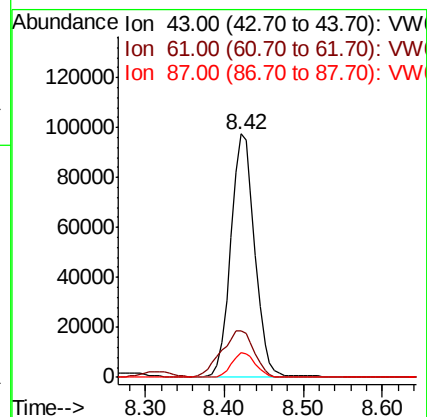
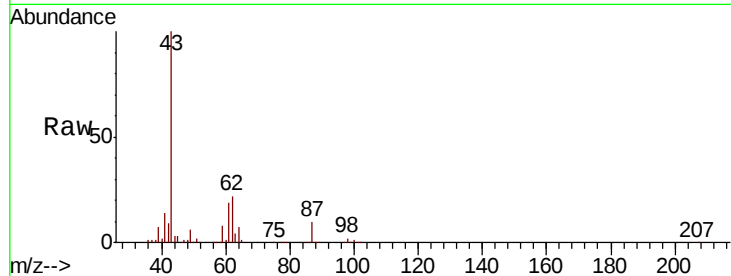
Tot Ion: 43 Resp: 204583

Ion Ratio Lower Upper

43 100

61 26.4 21.5 32.3

87 10.3 8.4 12.6



#44

Trichloroethene

Concen: 47.295 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011550.D

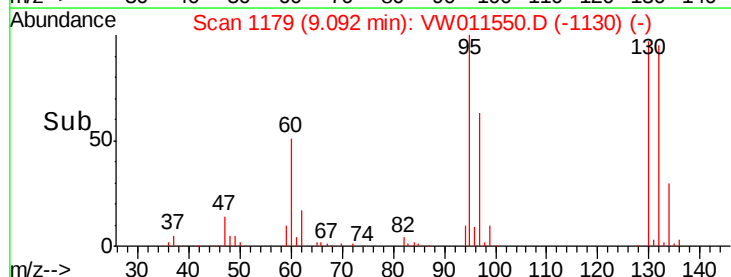
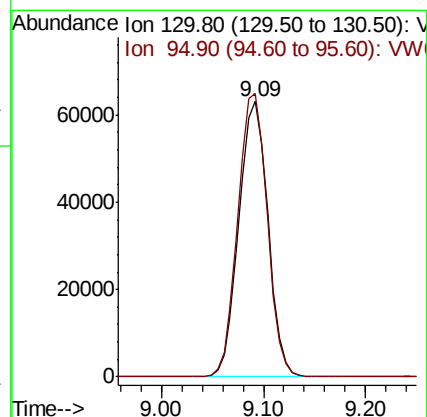
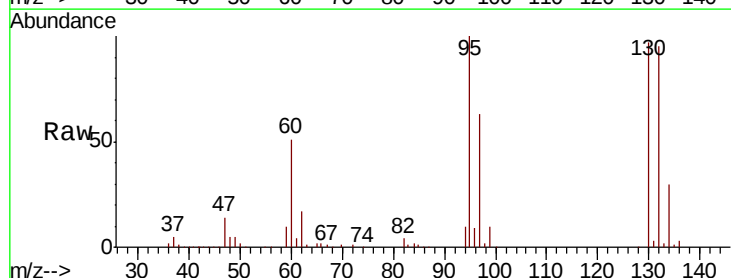
Acq: 27 Jul 2019 06:54

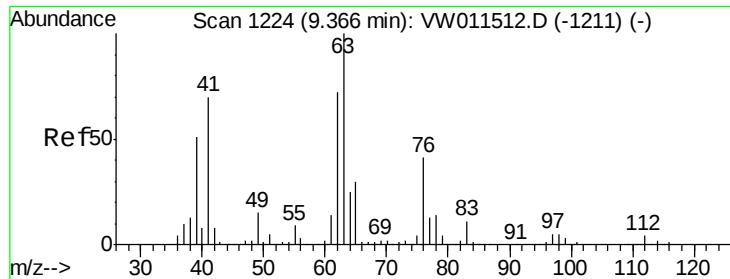
Tgt Ion: 130 Resp: 124850

Ion Ratio Lower Upper

130 100

95 102.8 0.0 204.8

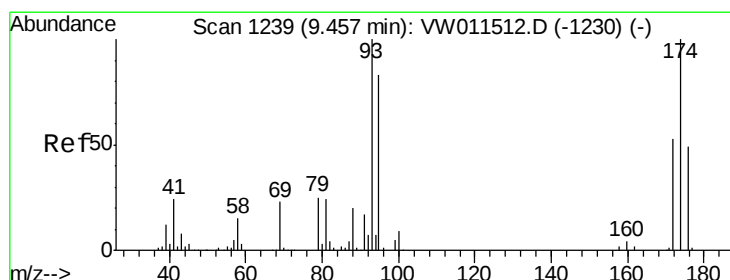
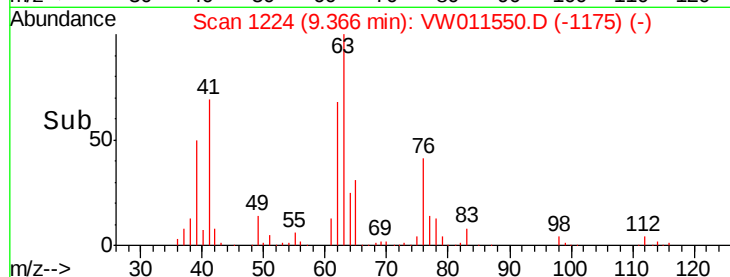
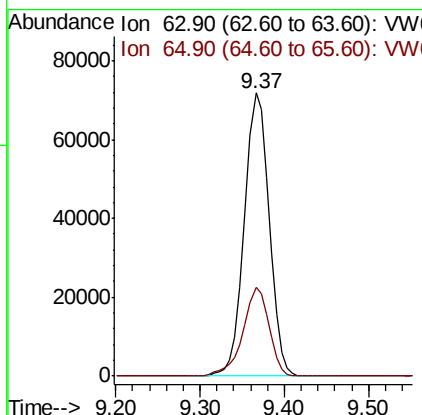
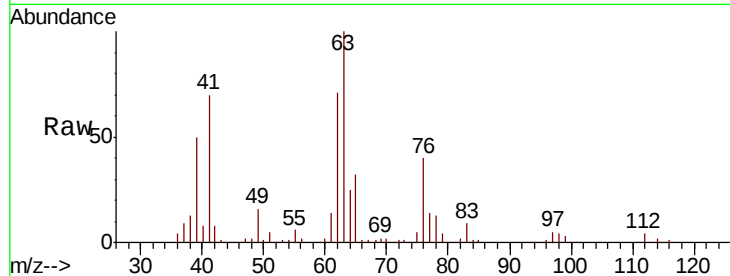




#45
 1,2-Dichloropropane
 Concen: 48.379 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

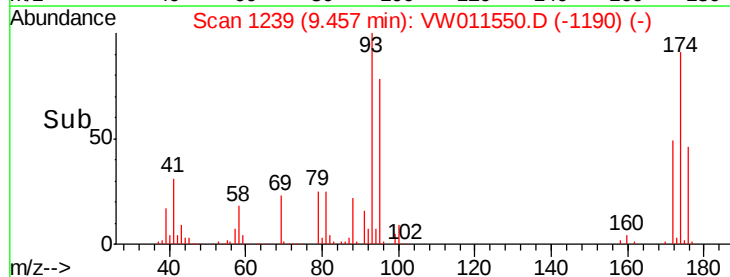
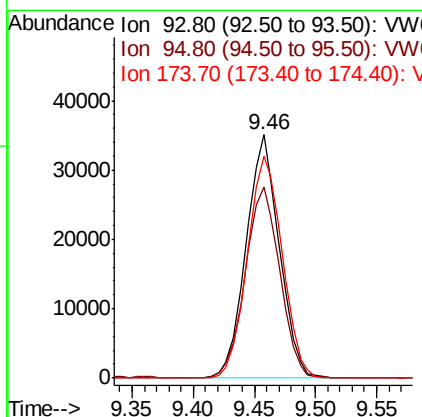
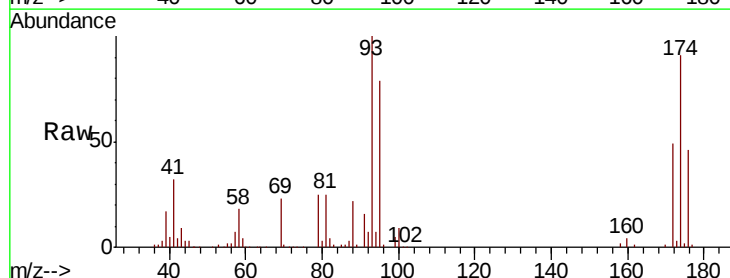
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

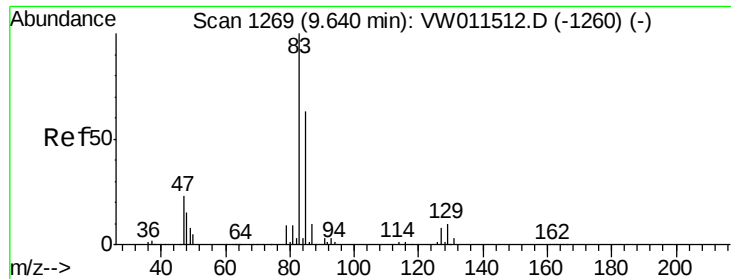
Tot Ion: 63 Resp: 142176
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.4



#46
 Dibromomethane
 Concen: 49.257 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion: 93 Resp: 66069
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.2 99.2
 174 96.1 78.2 117.4





#47

Bromodichloromethane

Concen: 47.915 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

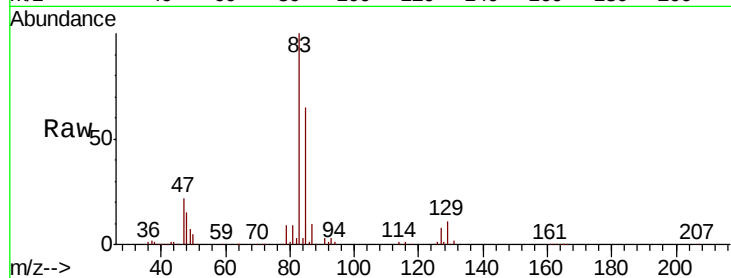
Tot Ion: 83 Resp: 168585

Ion Ratio Lower Upper

83 100

85 64.6 50.5 75.7

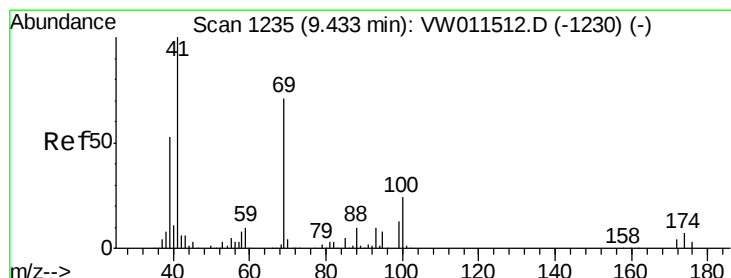
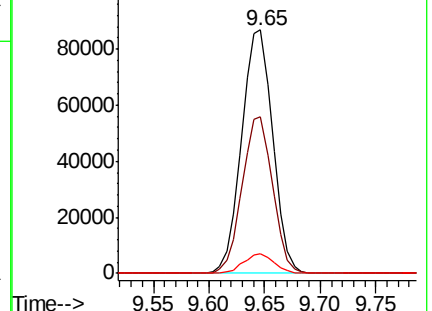
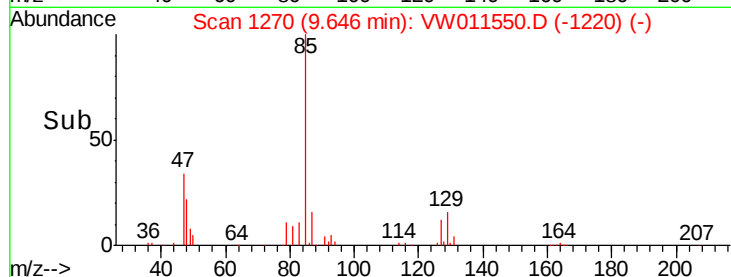
127 8.0 6.4 9.6



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: 51.398 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

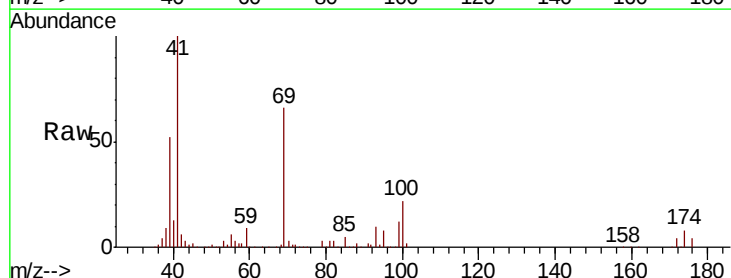
Tgt Ion: 41 Resp: 102434

Ion Ratio Lower Upper

41 100

69 70.5 57.1 85.7

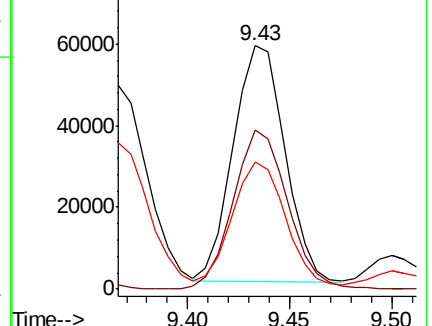
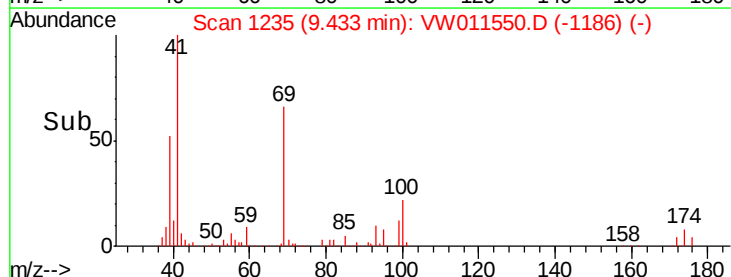
39 56.1 45.4 68.2

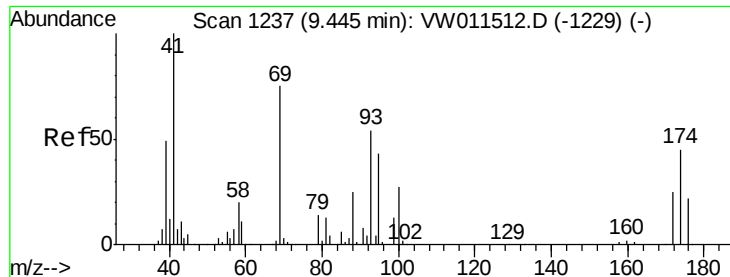


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 988.091 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

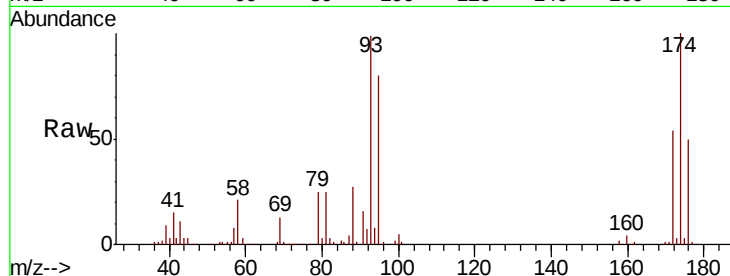
Tot Ion: 88 Resp: 19190

Ion Ratio Lower Upper

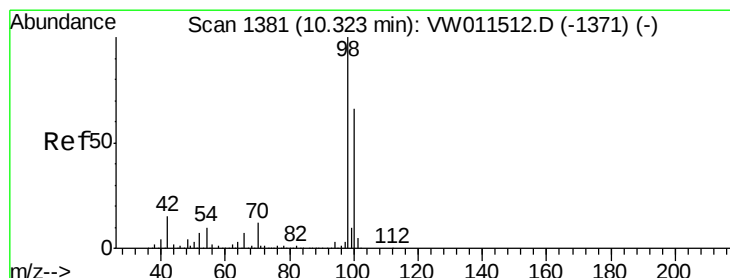
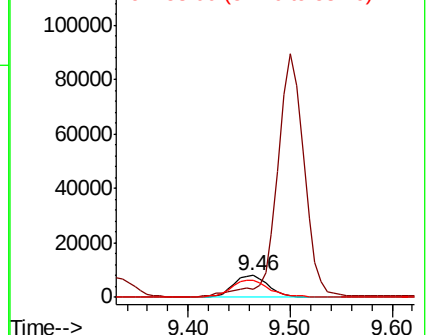
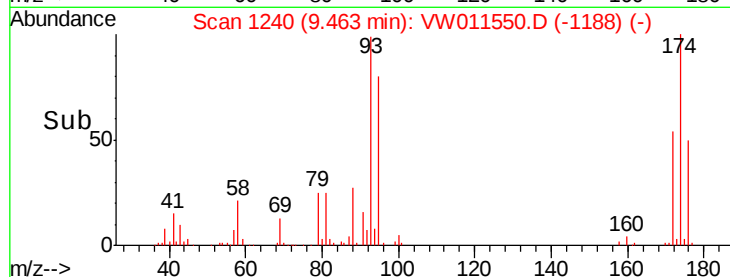
88 100

43 0.0 34.0 51.0#

58 87.7 69.7 104.5



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



#50

Toluene-d8

Concen: 46.879 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011550.D

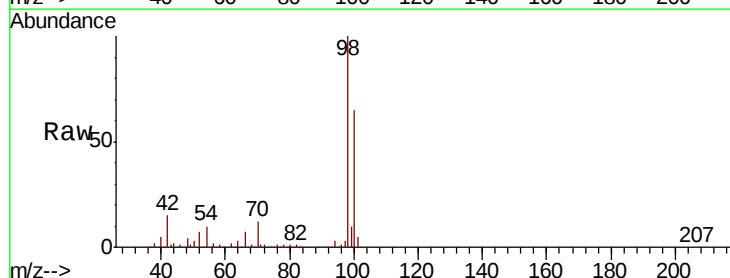
Acq: 27 Jul 2019 06:54

Tgt Ion: 98 Resp: 406057

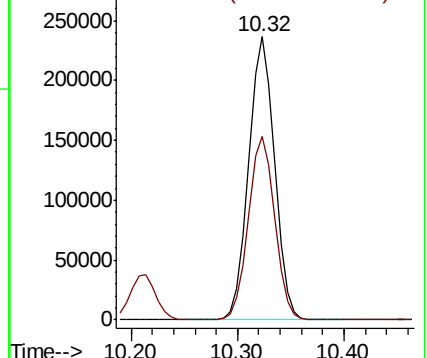
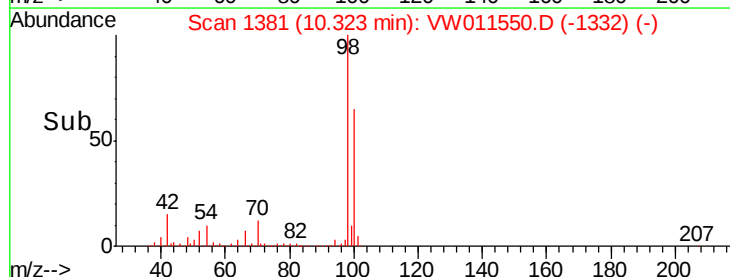
Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 253.343 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

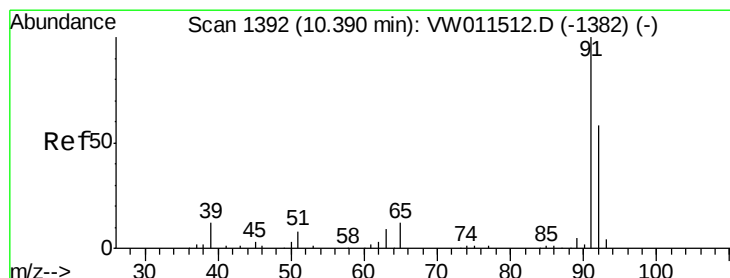
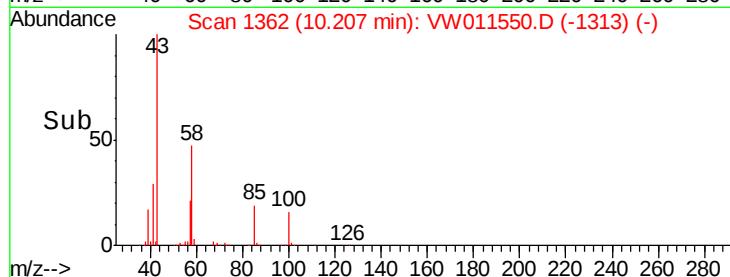
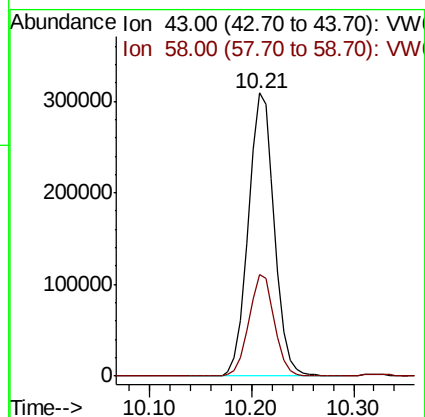
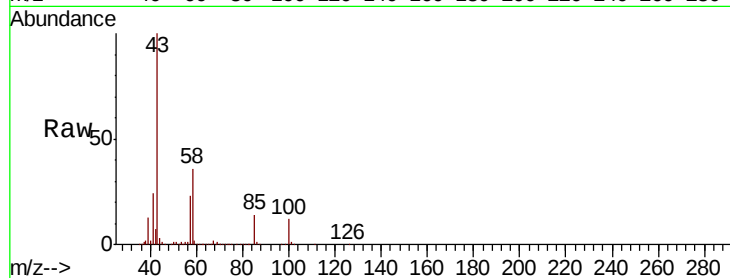
VSTDCCC050EC

Tot Ion: 43 Resp: 546716

Ion Ratio Lower Upper

43 100

58 35.4 28.2 42.2



#52

Toluene

Concen: 47.765 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011550.D

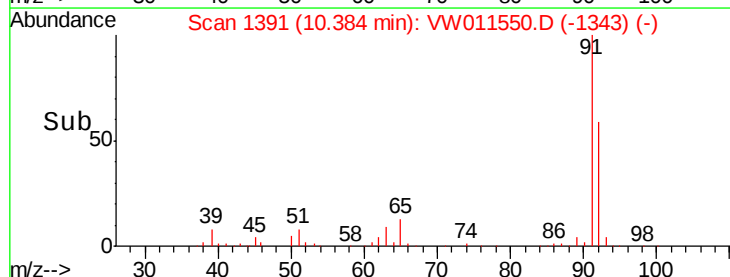
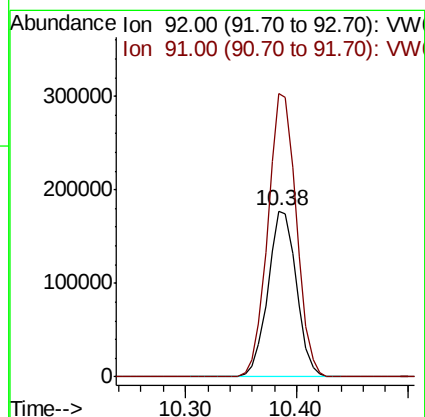
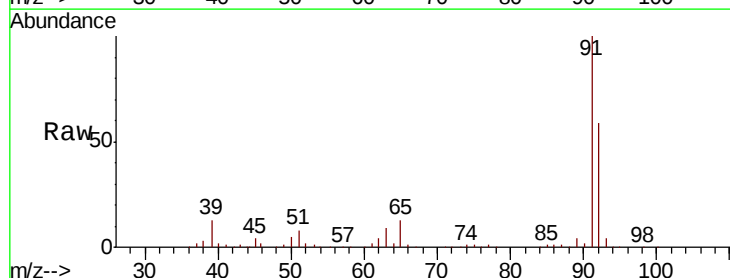
Acq: 27 Jul 2019 06:54

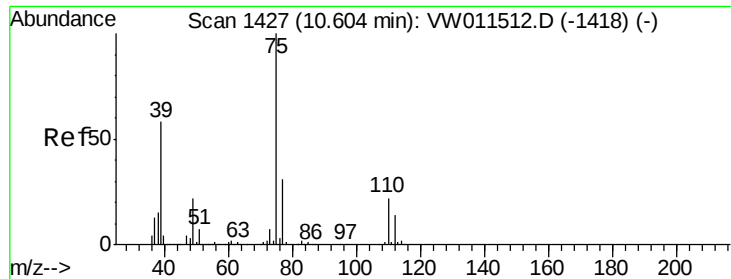
Tgt Ion: 92 Resp: 316817

Ion Ratio Lower Upper

92 100

91 170.7 136.7 205.1

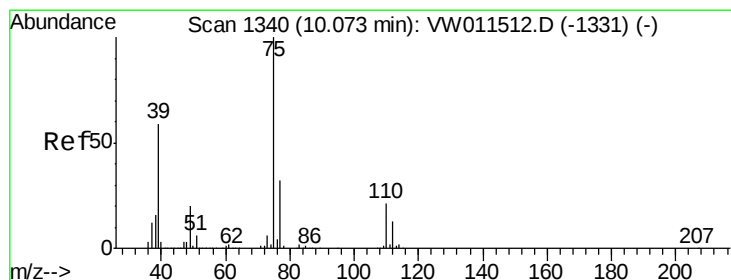
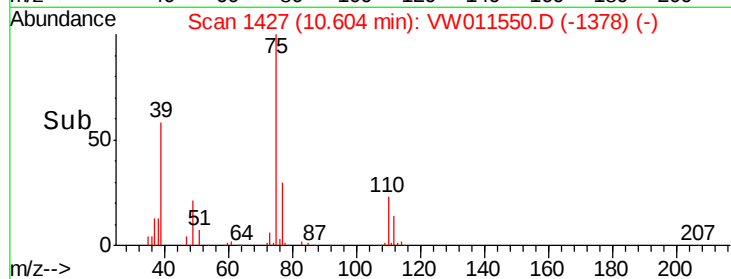
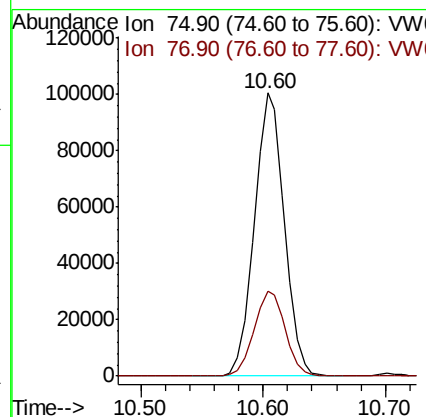
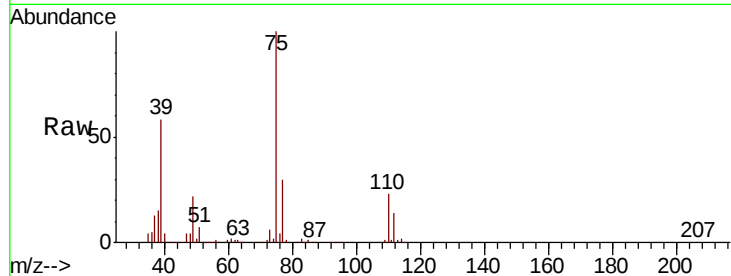




#53
 t-1,3-Dichloropropene
 Concen: 46.554 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

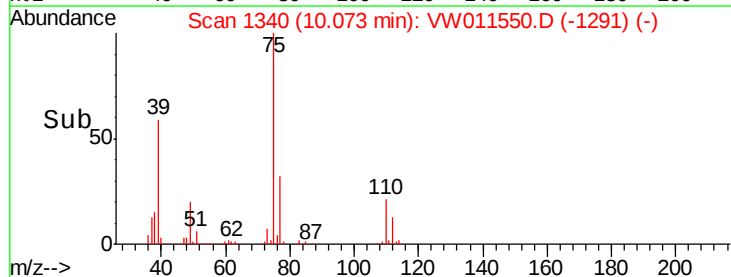
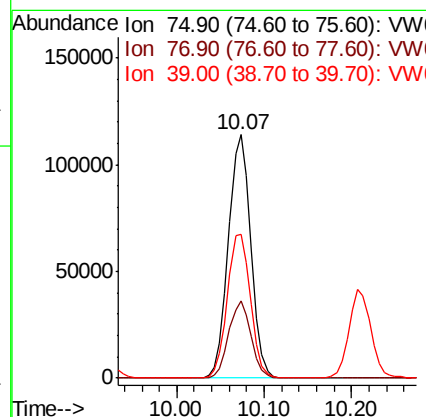
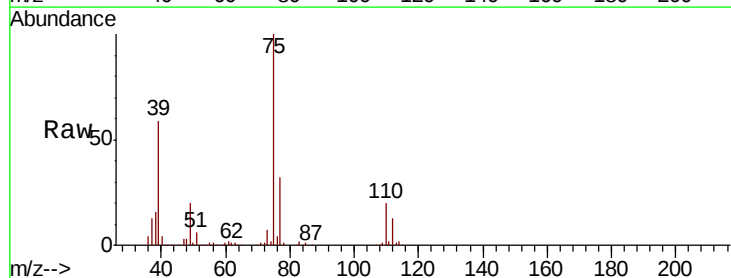
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

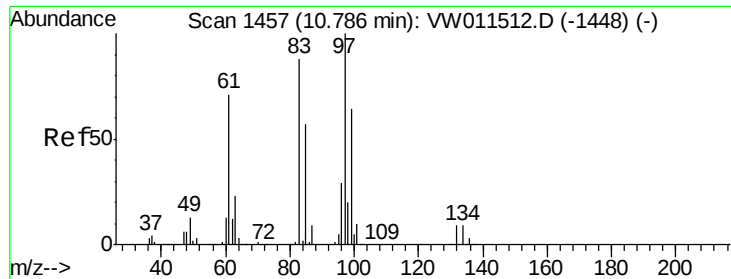
Tot Ion: 75 Resp: 171105
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 46.386 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion: 75 Resp: 202709
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4
 39 59.1 47.0 70.4

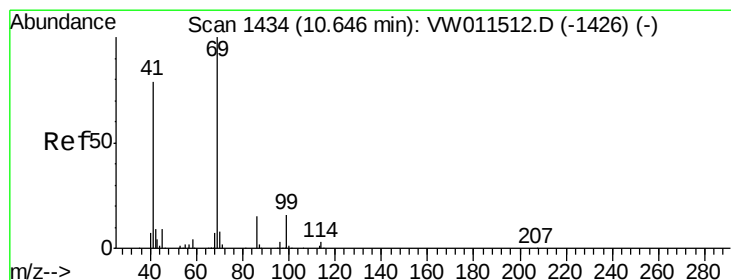
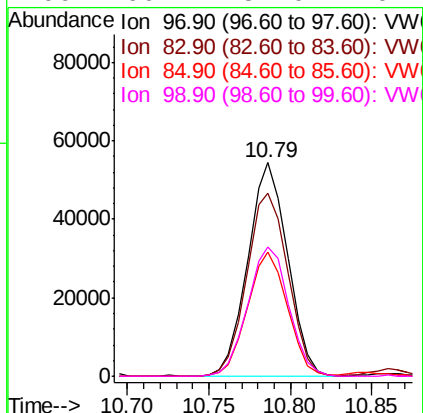
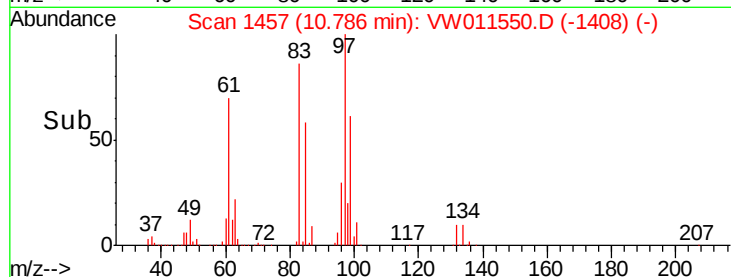
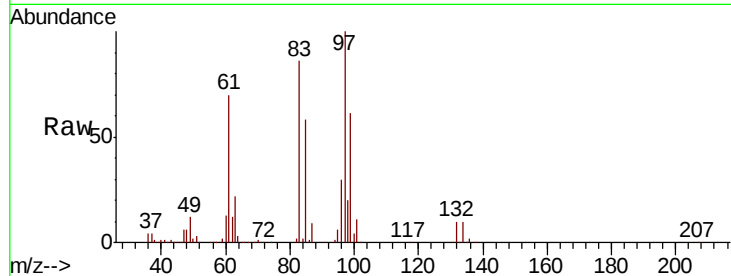




#55
 1,1,2-Trichloroethane
 Concen: 48.732 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

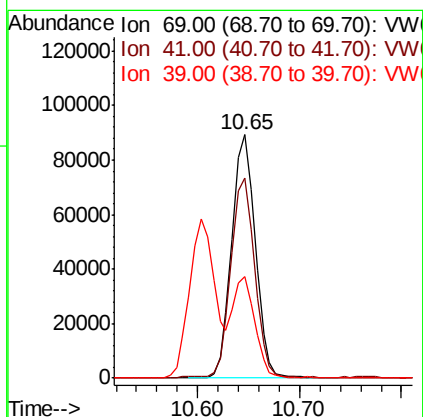
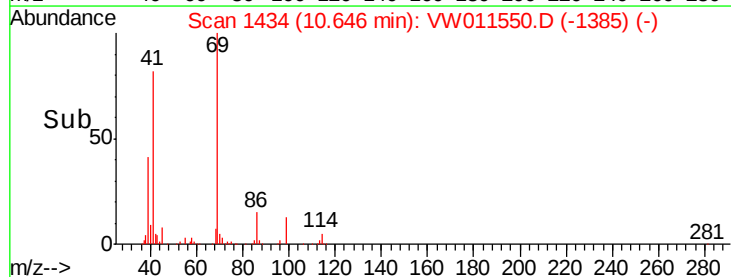
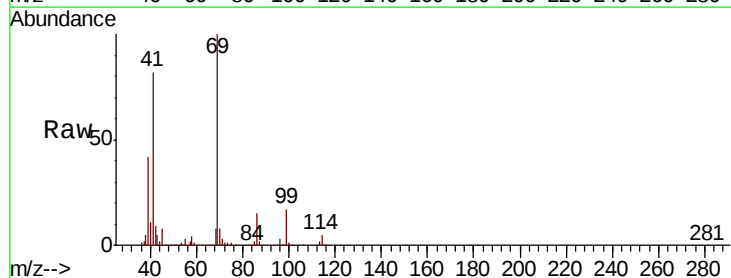
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

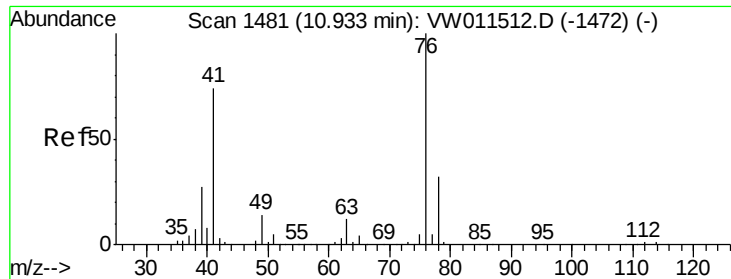
Tot Ion: 97 Resp: 92742
 Ion Ratio Lower Upper
 97 100
 83 85.6 70.5 105.7
 85 58.0 45.8 68.6
 99 60.7 51.0 76.4



#56
 Ethyl methacrylate
 Concen: 51.341 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion: 69 Resp: 142979
 Ion Ratio Lower Upper
 69 100
 41 83.3 66.6 99.8
 39 38.0 30.3 45.5

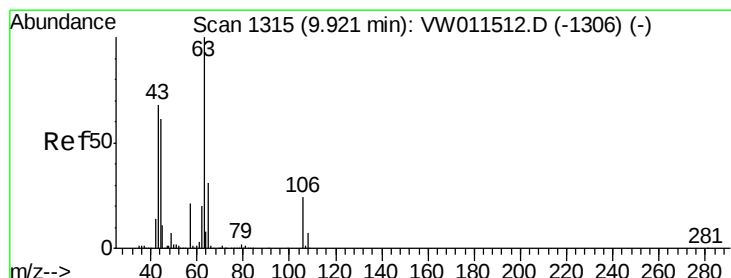
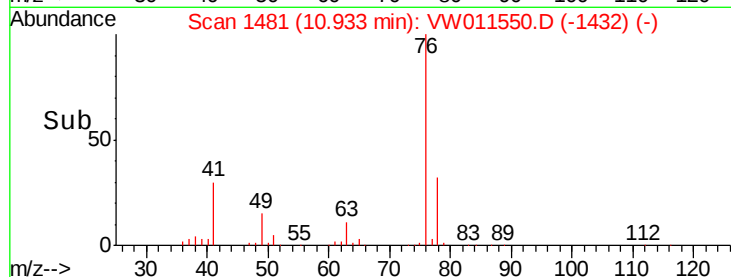
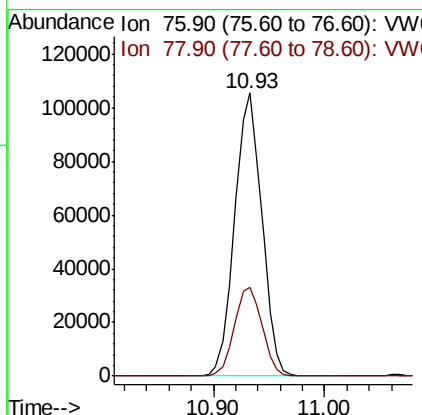
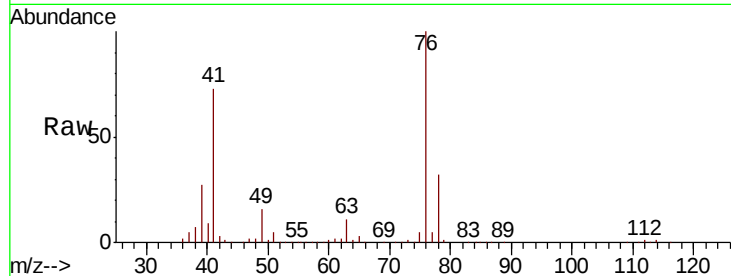




#57
 1,3-Dichloropropane
 Concen: 49.574 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

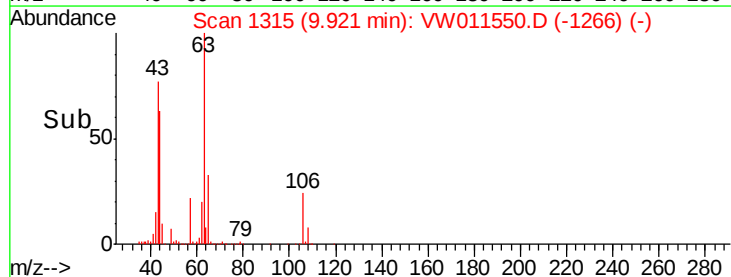
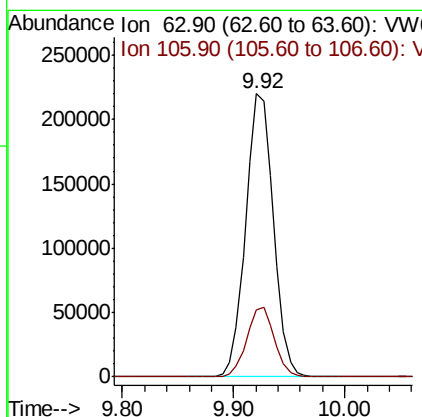
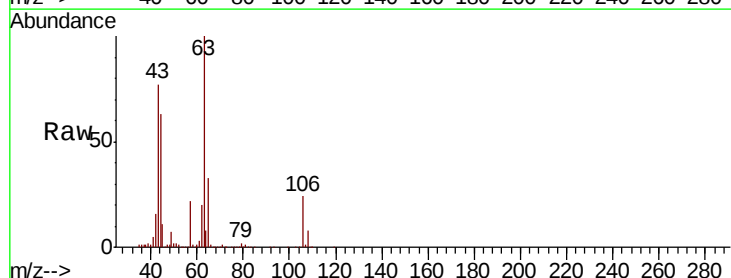
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 178491
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 301.266 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion: 63 Resp: 380933
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5

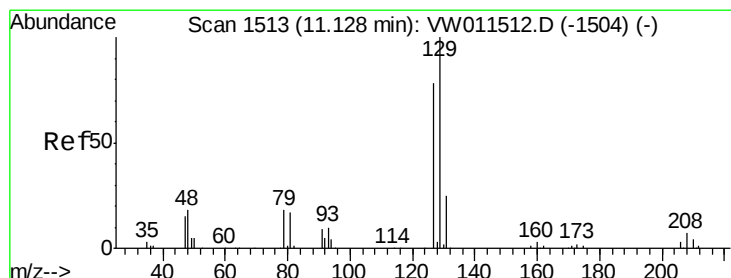
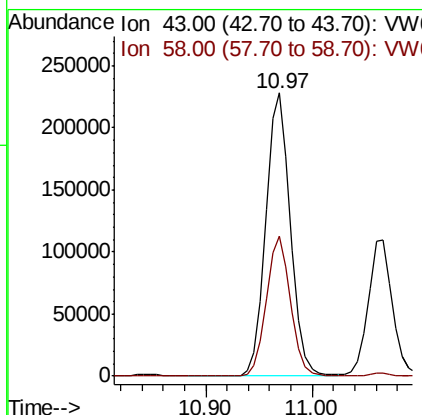
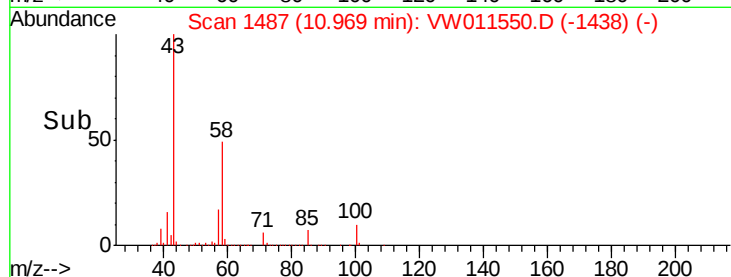
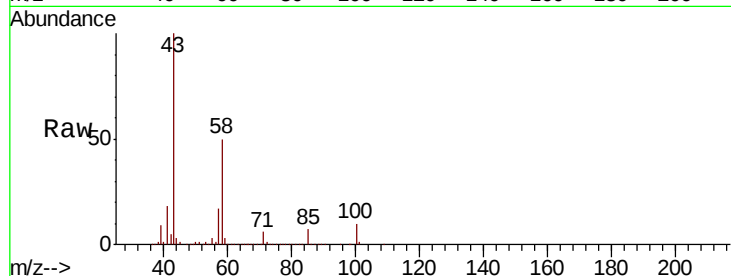




#59
2-Hexanone
Concen: 240.916 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

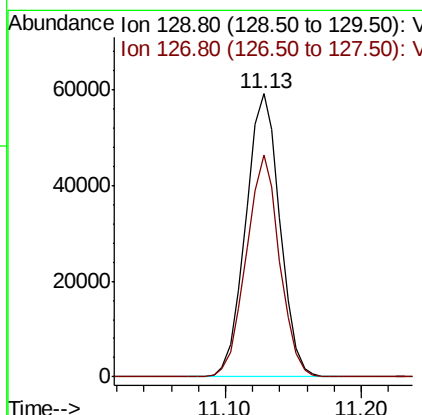
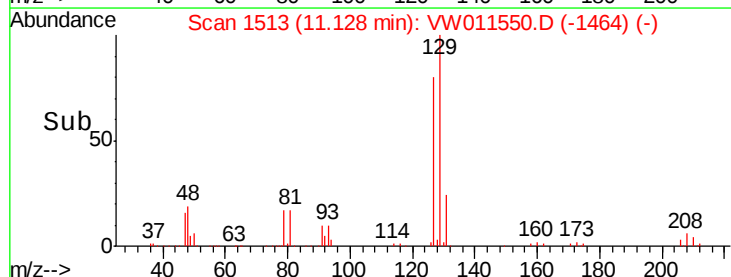
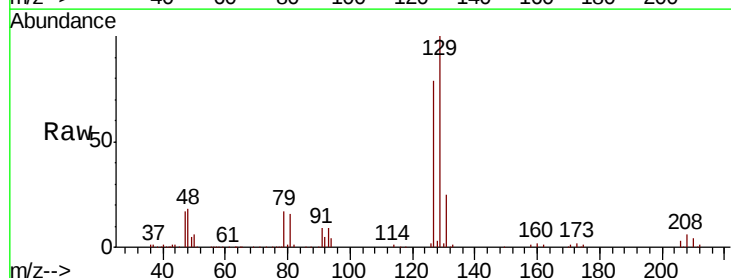
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

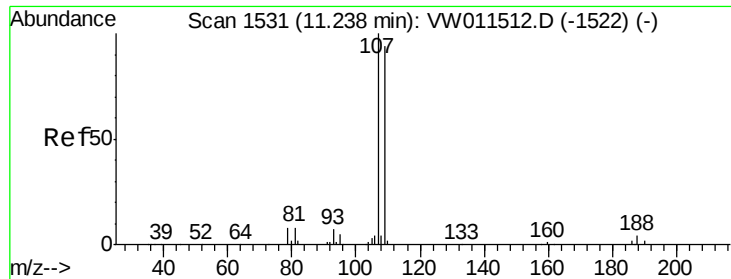
Tot Ion: 43 Resp: 367082
Ion Ratio Lower Upper
43 100
58 48.8 24.3 72.9



#60
Dibromochloromethane
Concen: 49.159 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 129 Resp: 103849
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7

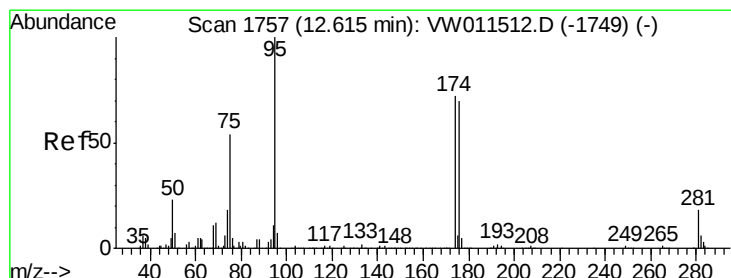
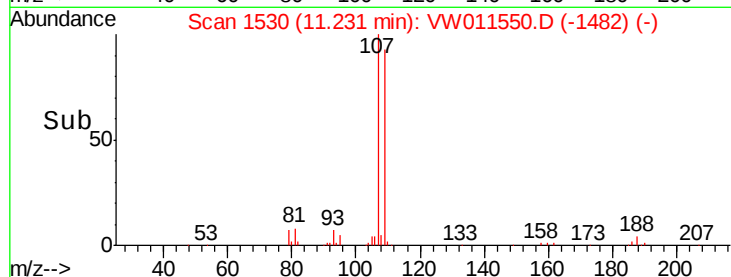
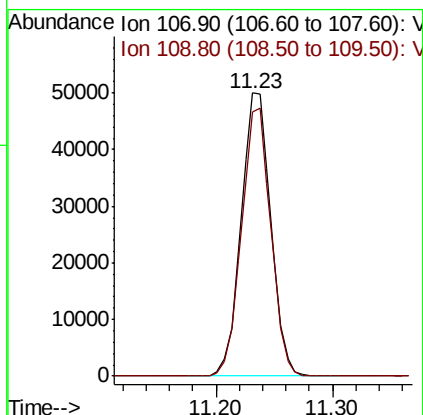
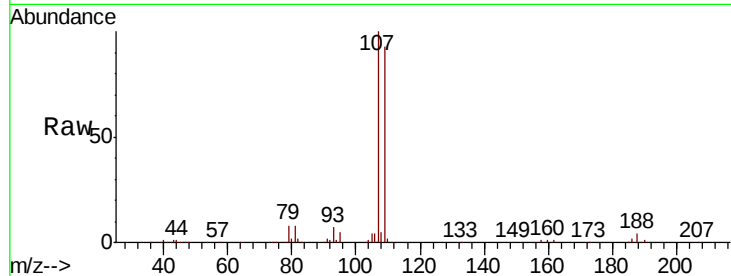




#61
 1,2-Dibromoethane
 Concen: 49.294 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

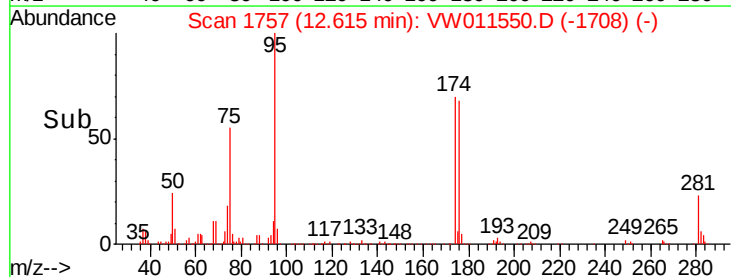
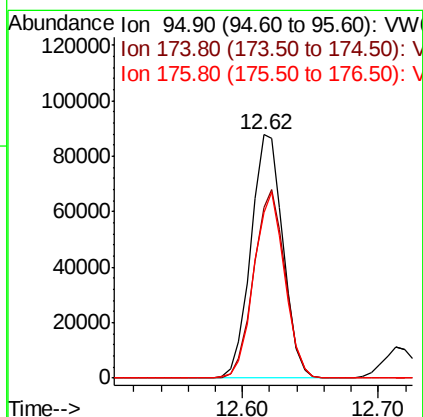
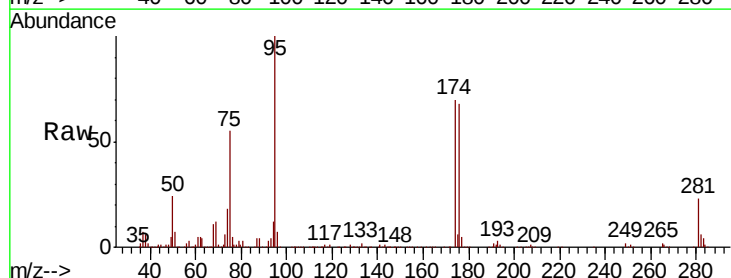
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

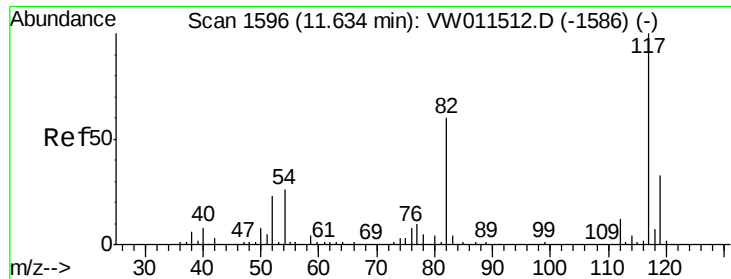
Tot Ion:107 Resp: 88778
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 47.125 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion: 95 Resp: 145528
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 150.2
 176 73.3 0.0 144.4

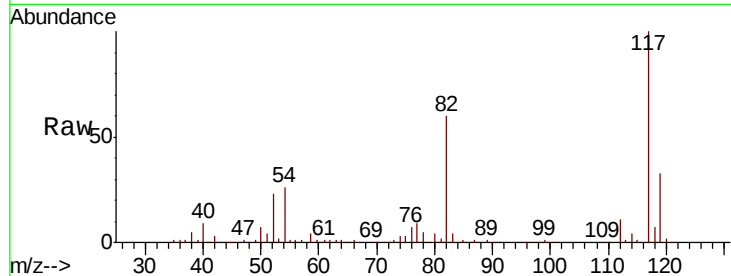




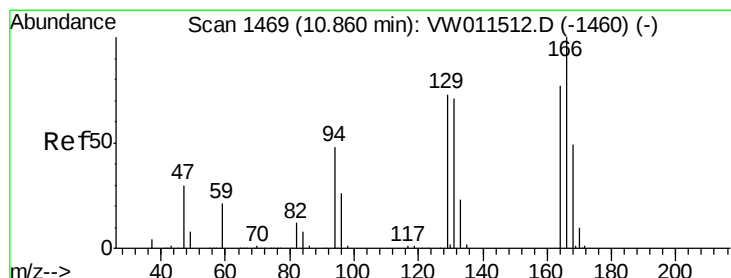
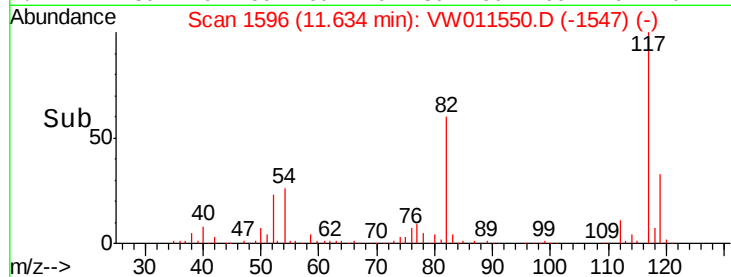
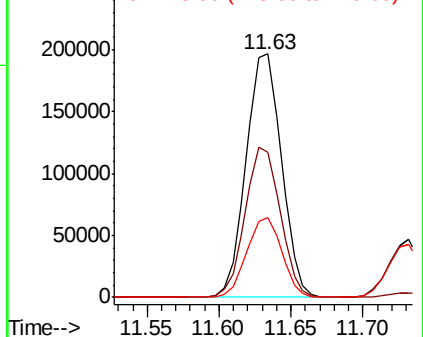
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 334989
Ion Ratio Lower Upper
117 100
82 59.6 47.9 71.9
119 32.9 26.2 39.2

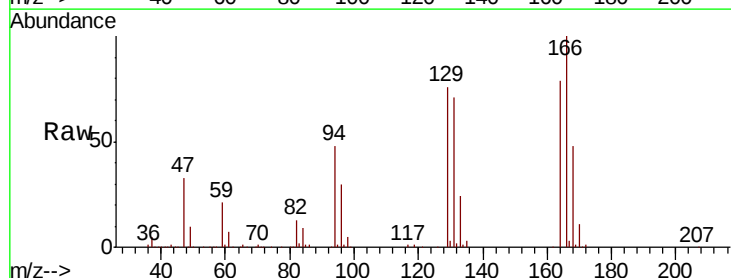


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

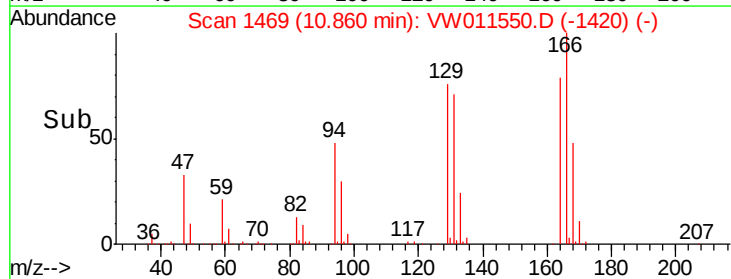
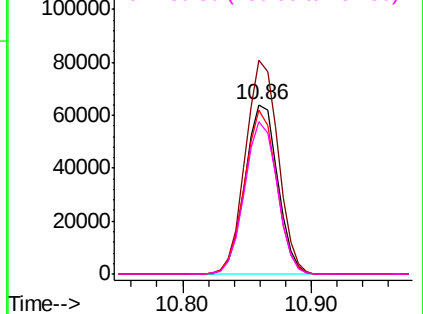


#64
Tetrachloroethene
Concen: 51.340 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion:164 Resp: 111981
Ion Ratio Lower Upper
164 100
166 125.9 103.5 155.3
129 96.3 75.2 112.8
131 89.5 73.4 110.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

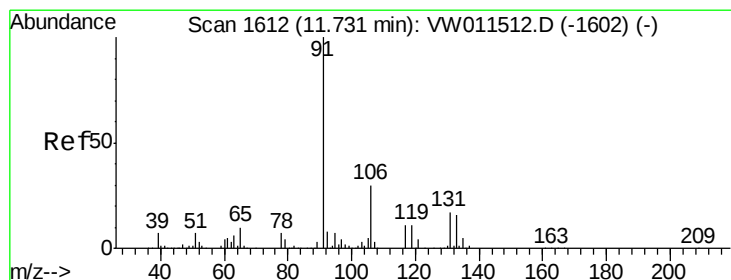
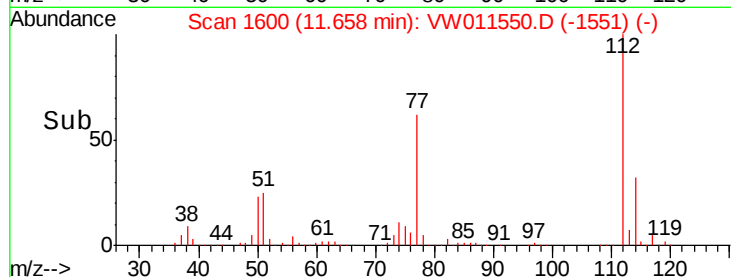
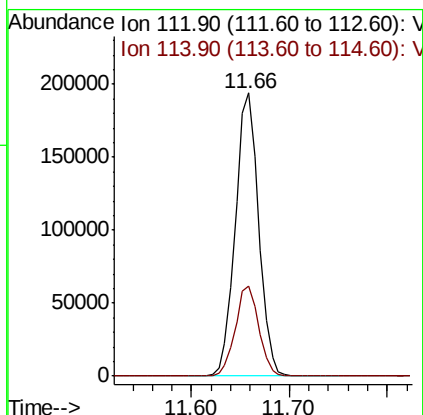
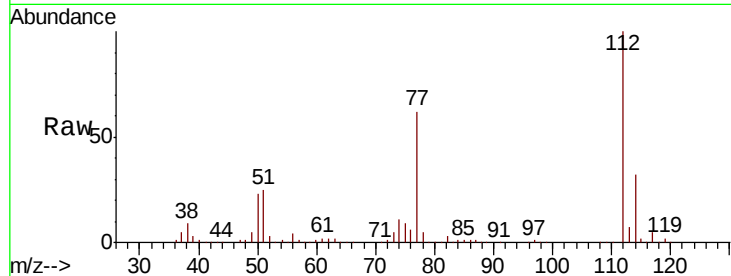




#65
Chlorobenzene
Concen: 47.652 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

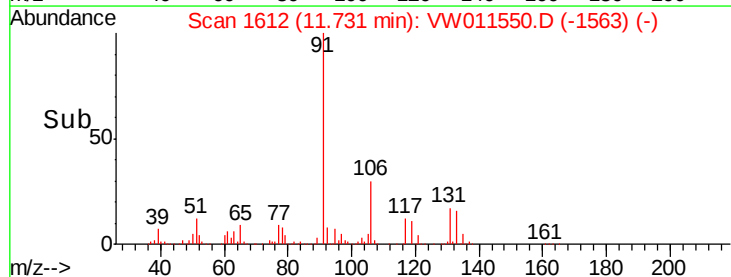
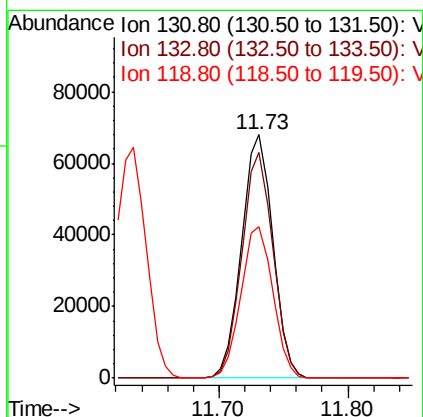
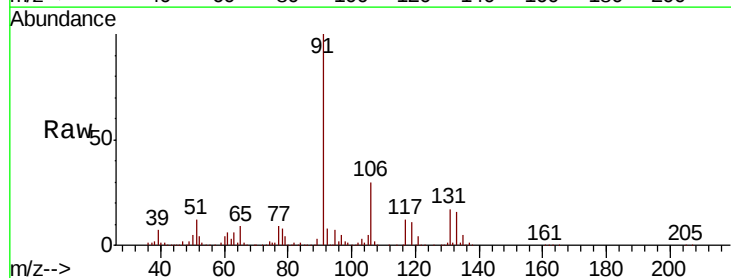
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

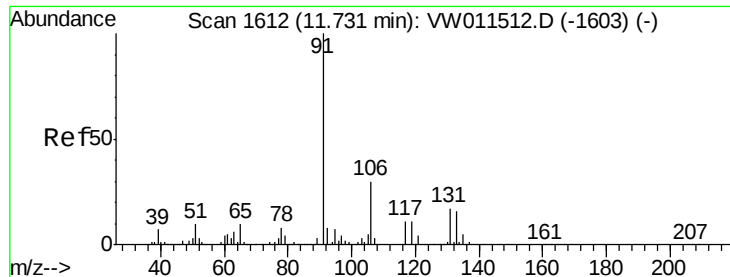
Tot Ion:112 Resp: 320928
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.592 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion:131 Resp: 113992
Ion Ratio Lower Upper
131 100
133 92.5 47.4 142.2
119 63.7 32.3 96.9

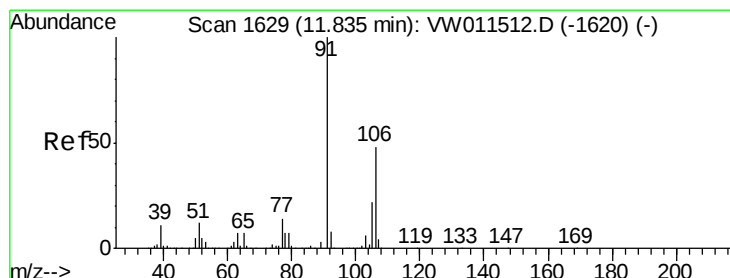
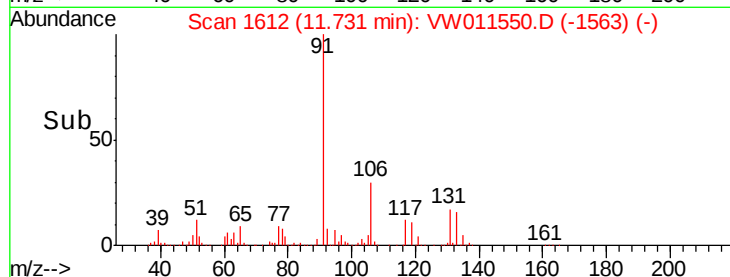
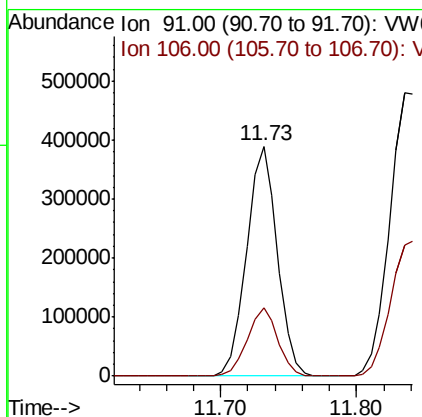
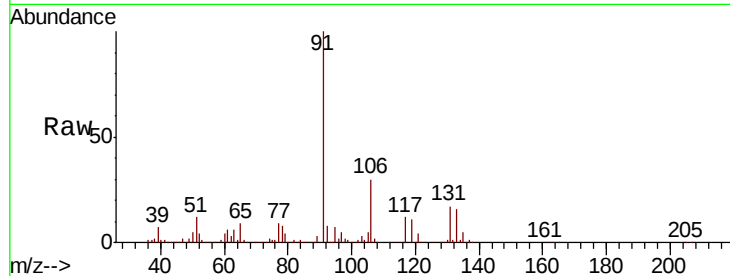




#67
Ethyl Benzene
Concen: 47.938 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

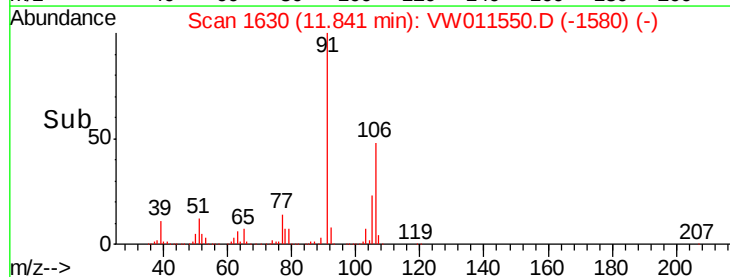
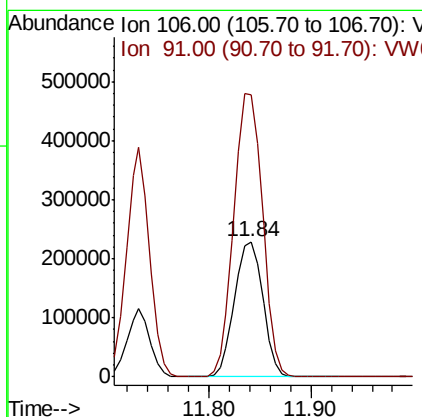
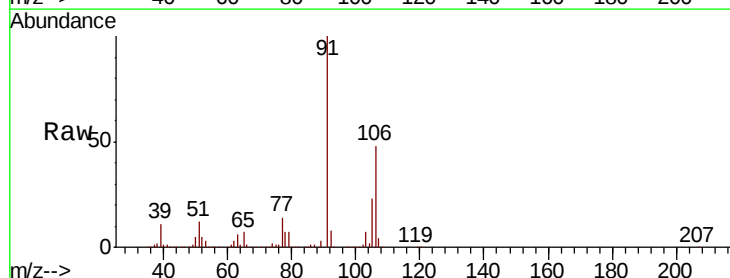
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 614887
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.6



#68
m/p-Xylenes
Concen: 94.814 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 106 Resp: 442279
Ion Ratio Lower Upper
106 100
91 211.8 168.2 252.2

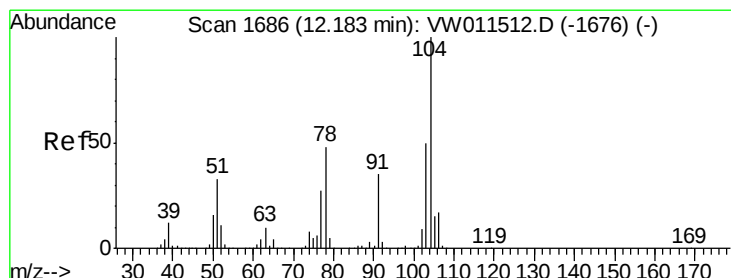
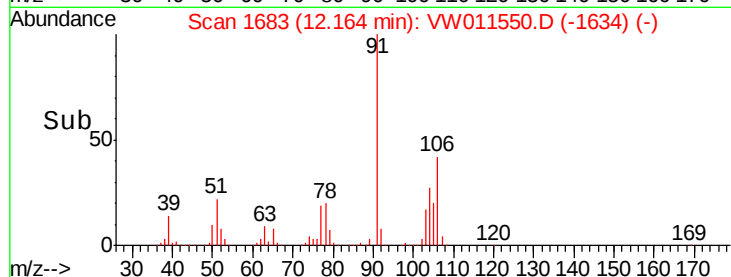
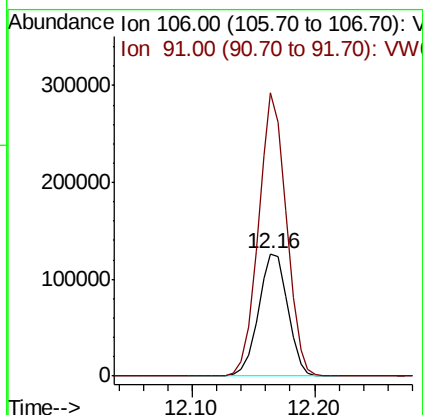
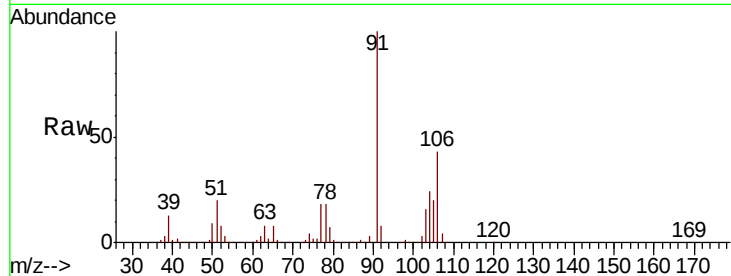




#69
o-Xylene
Concen: 48.654 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

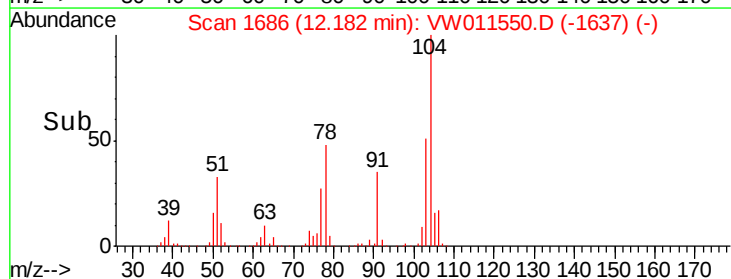
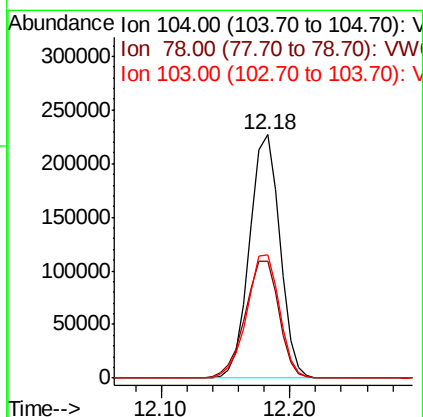
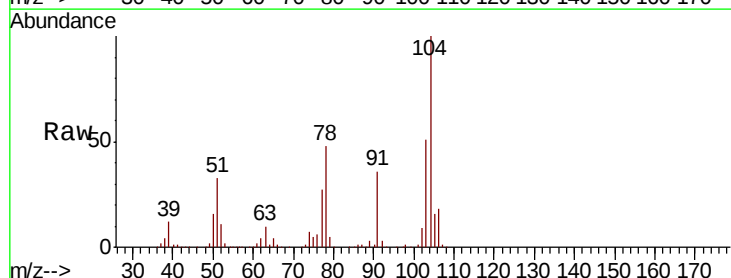
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 210902
Ion Ratio Lower Upper
106 100
91 220.2 110.5 331.5



#70
Styrene
Concen: 49.071 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion:104 Resp: 367777
Ion Ratio Lower Upper
104 100
78 53.8 43.4 65.0
103 54.8 43.9 65.9





#71

Bromoform

Concen: 48.867 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

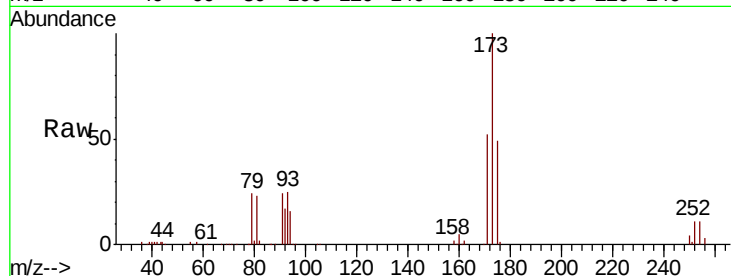
Tot Ion:173 Resp: 58450

Ion Ratio Lower Upper

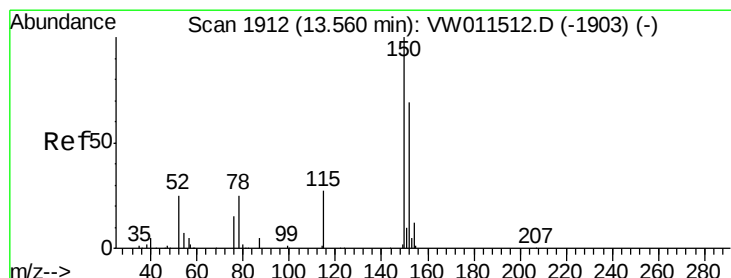
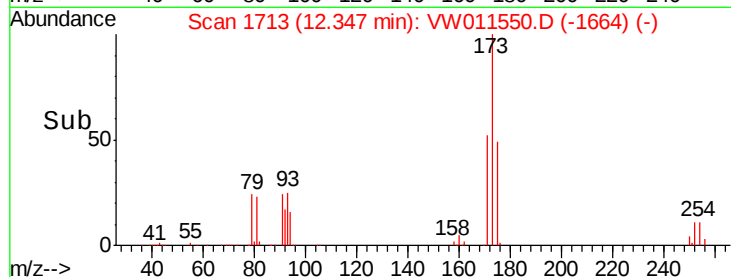
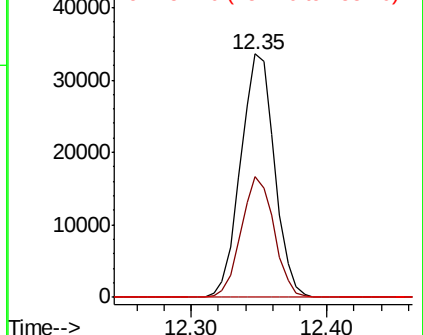
173 100

175 48.2 23.6 71.0

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

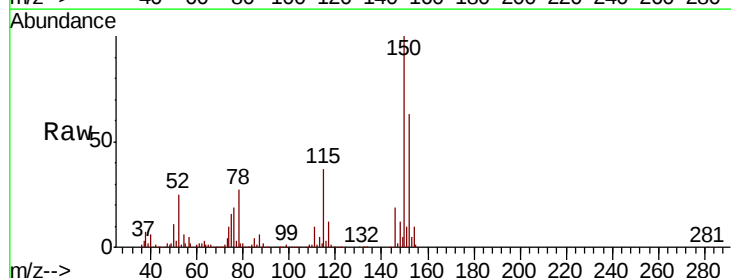
Tgt Ion:152 Resp: 162866

Ion Ratio Lower Upper

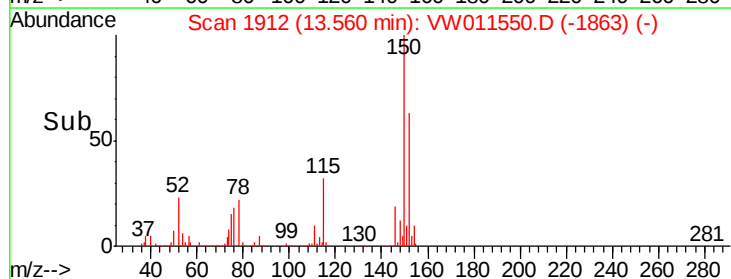
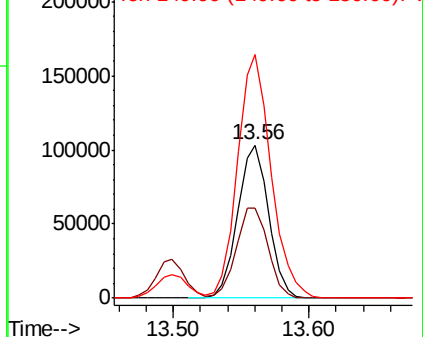
152 100

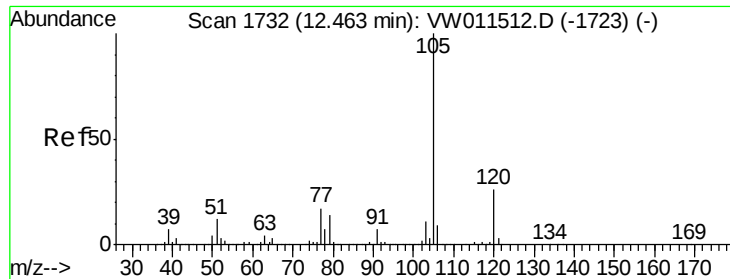
115 60.8 30.5 91.5

150 173.2 0.0 352.6



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: 46.815 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

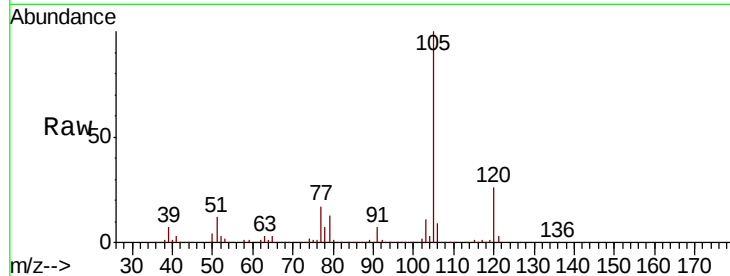
VSTDCCC050EC

Tot Ion:105 Resp: 568815

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

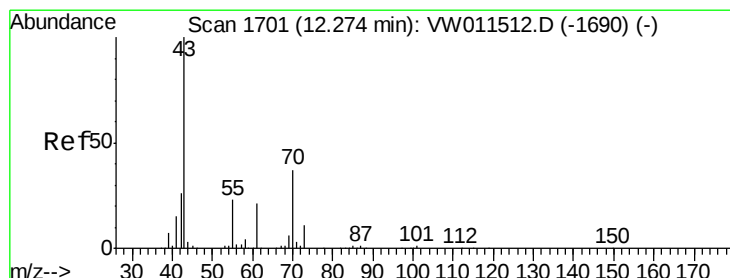
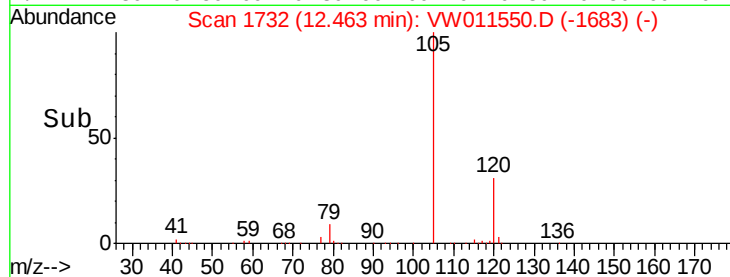
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 47.602 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Tgt Ion: 43 Resp: 181076

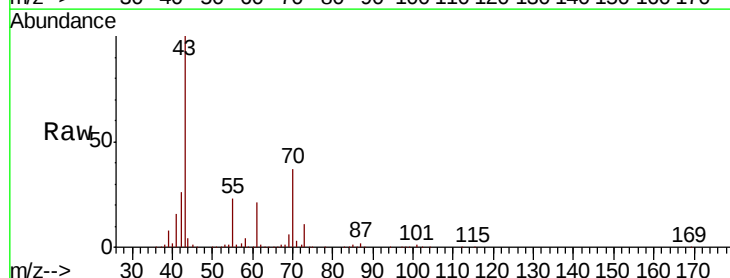
Ion Ratio Lower Upper

43 100

70 36.1 28.6 43.0

55 22.6 17.8 26.8

61 21.0 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

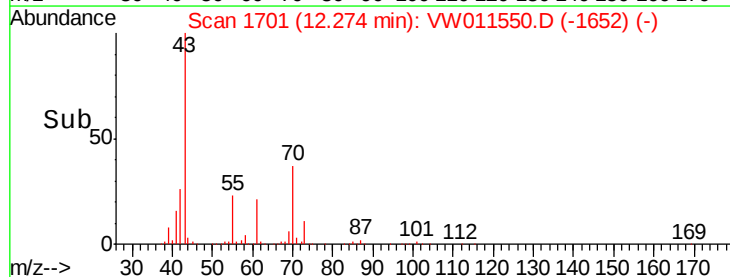
150000

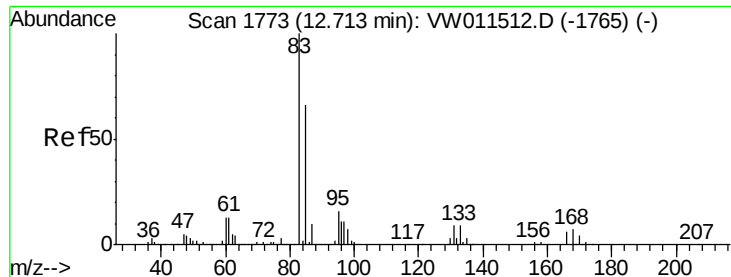
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.295 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

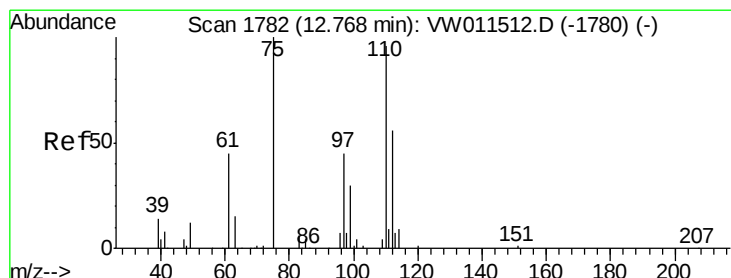
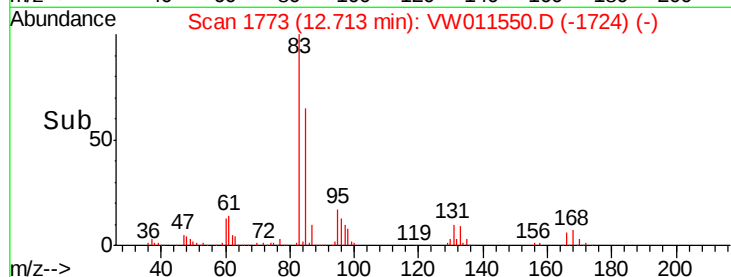
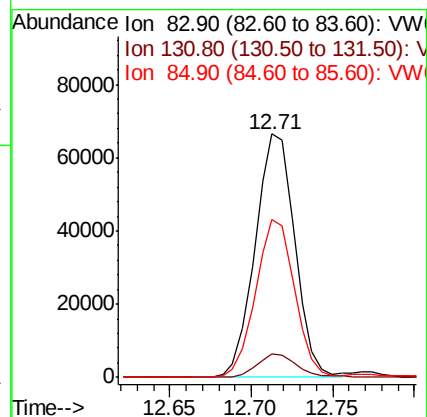
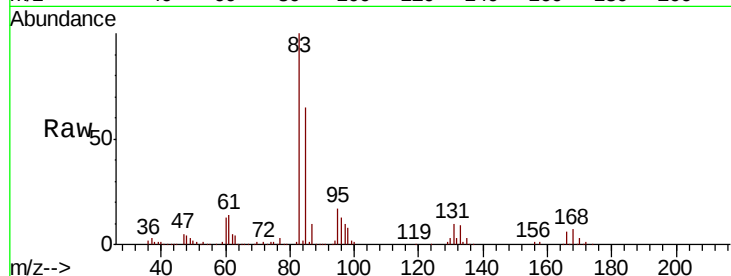
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 112660

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.6
85	63.8	31.8	95.4



#76

1,2,3-Trichloropropane

Concen: 84.656 ug/l

RT: 12.77 min Scan# 1782

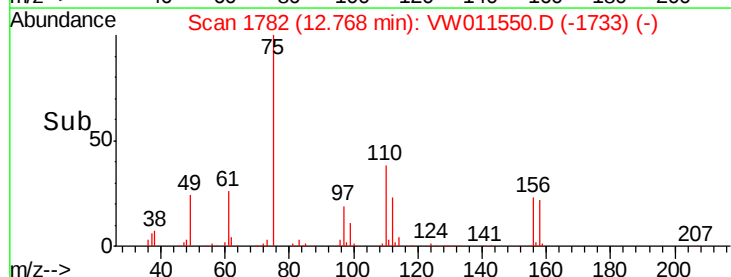
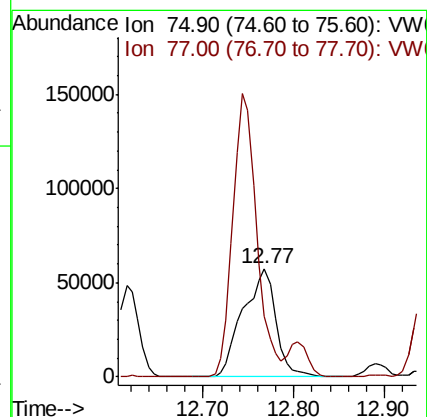
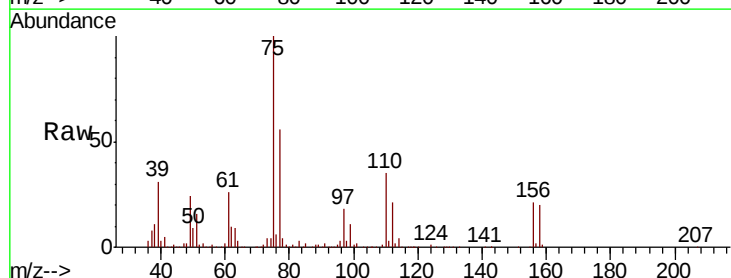
Delta R.T. -0.00 min

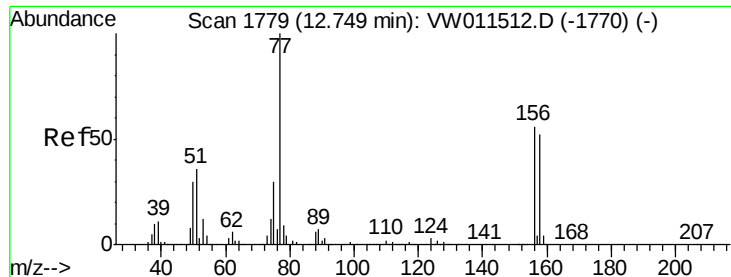
Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Tgt Ion: 75 Resp: 145888

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.101 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

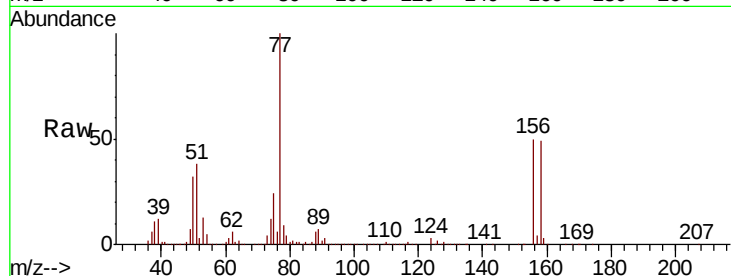
Tot Ion:156 Resp: 129177

Ion Ratio Lower Upper

156 100

77 215.0 106.5 319.4

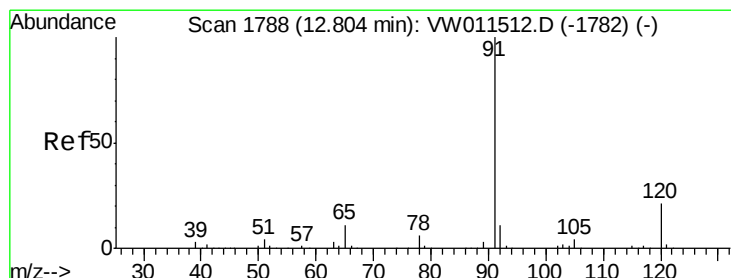
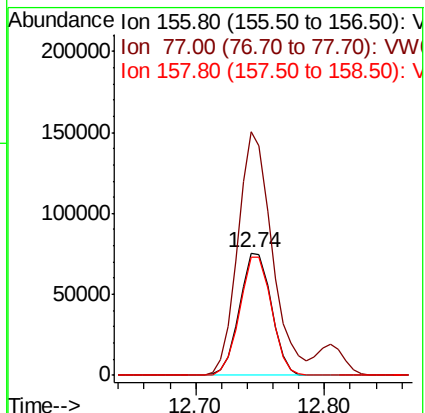
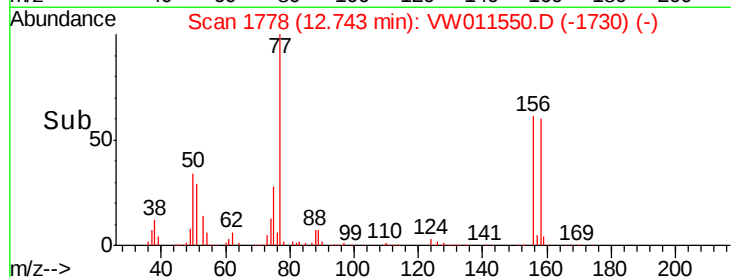
158 96.6 48.0 144.2



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: 47.180 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011550.D

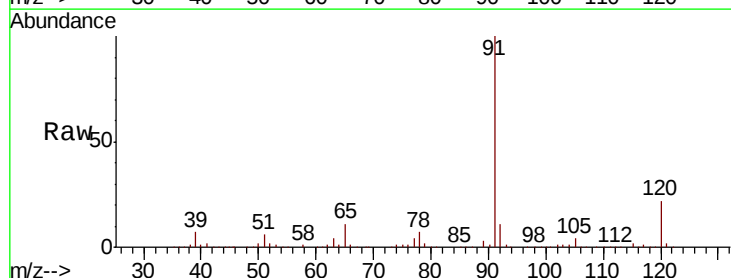
Acq: 27 Jul 2019 06:54

Tgt Ion: 91 Resp: 697639

Ion Ratio Lower Upper

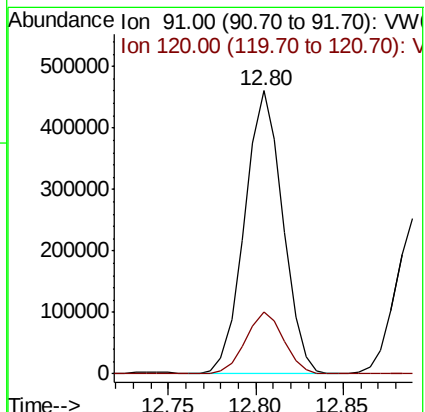
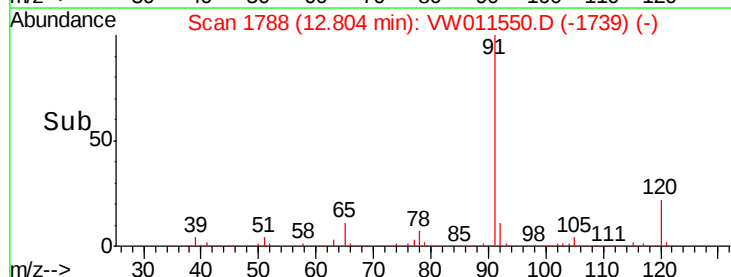
91 100

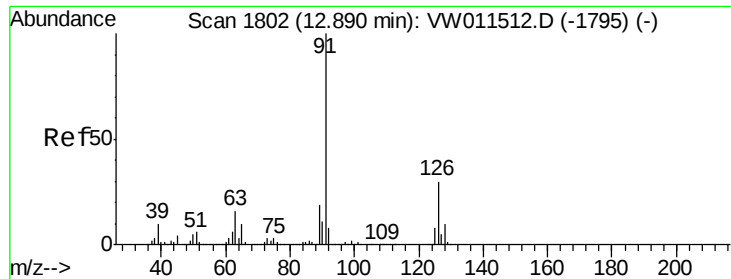
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.340 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

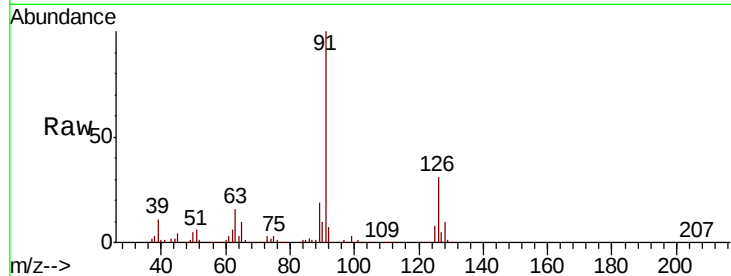
VSTDCCC050EC

Tot Ion: 91 Resp: 403278

Ion Ratio Lower Upper

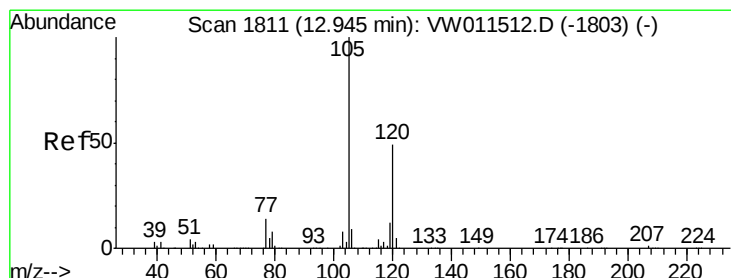
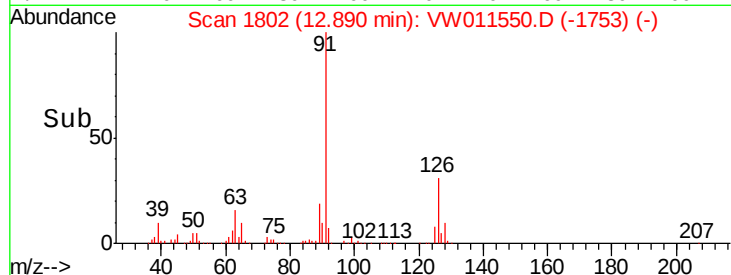
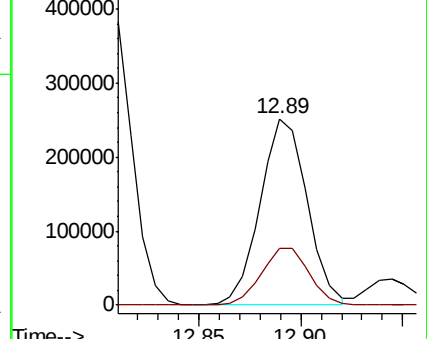
91 100

126 31.5 15.7 47.1



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: 47.801 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011550.D

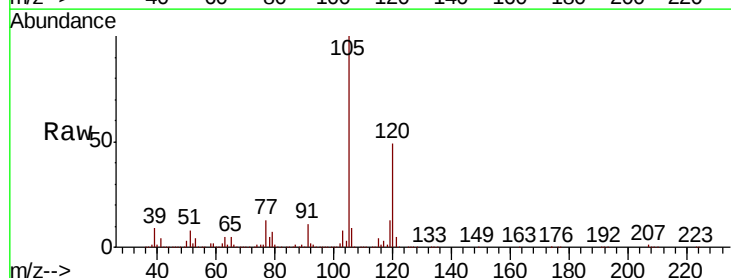
Acq: 27 Jul 2019 06:54

Tgt Ion:105 Resp: 486844

Ion Ratio Lower Upper

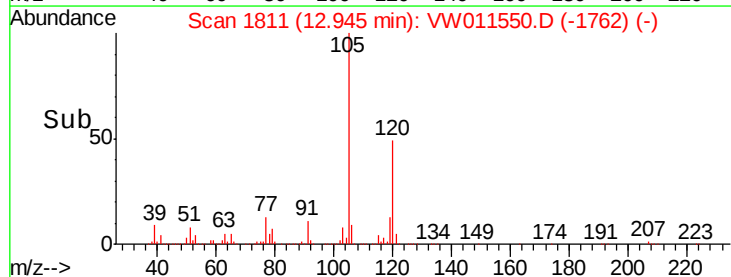
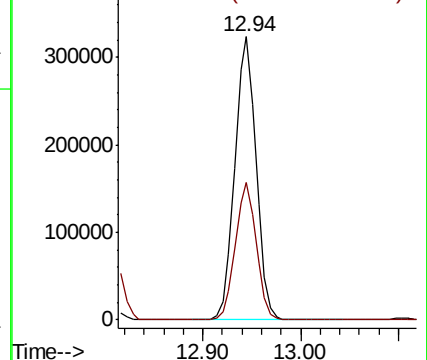
105 100

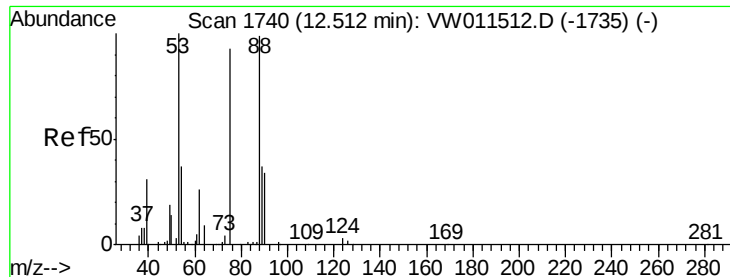
120 47.7 24.1 72.3



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: 44.092 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

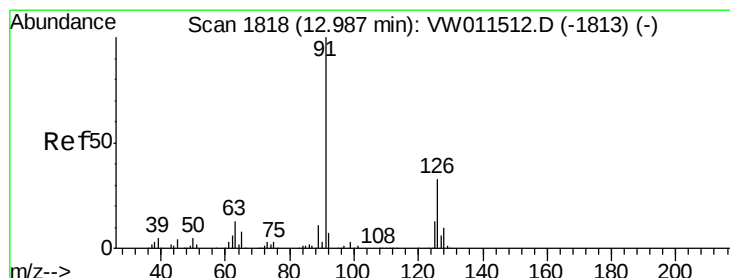
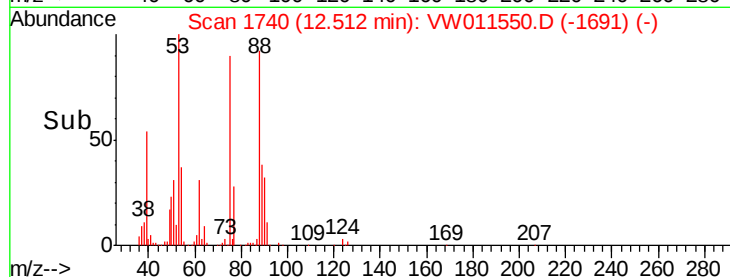
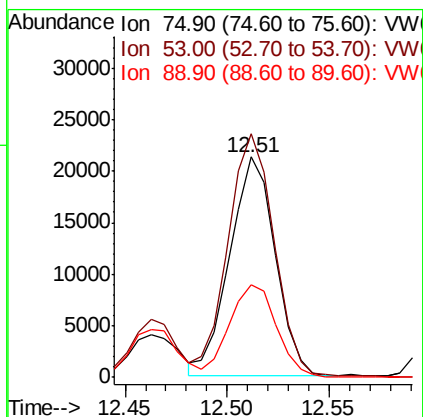
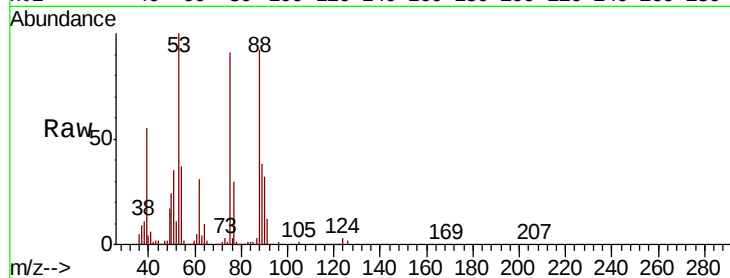
Tot Ion: 75 Resp: 32970

Ion Ratio Lower Upper

75 100

53 113.9 88.0 132.0

89 43.6 35.3 52.9



#82

4-Chlorotoluene

Concen: 47.995 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011550.D

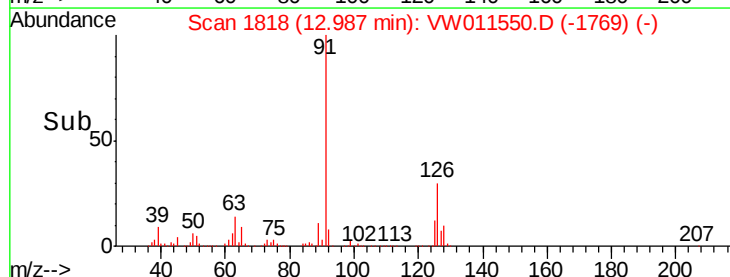
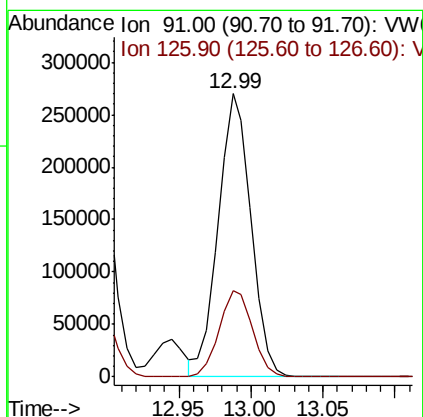
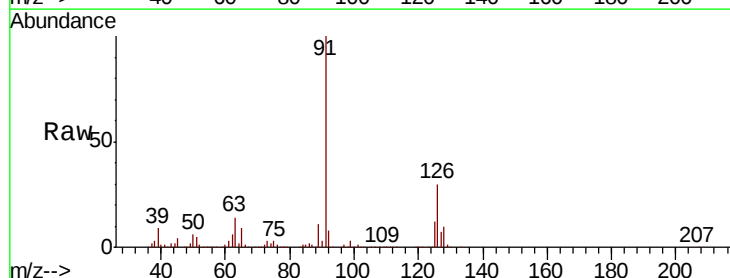
Acq: 27 Jul 2019 06:54

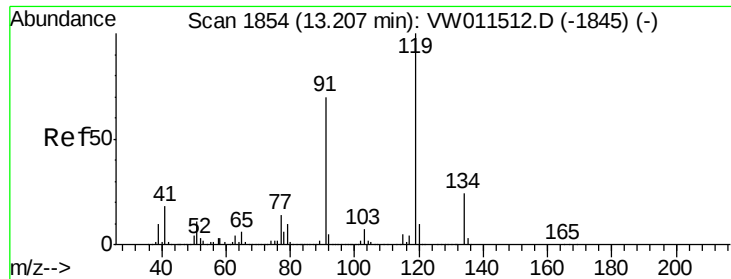
Tgt Ion: 91 Resp: 428971

Ion Ratio Lower Upper

91 100

126 31.0 15.6 46.8

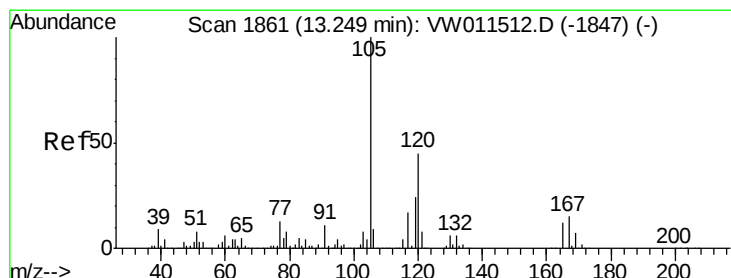
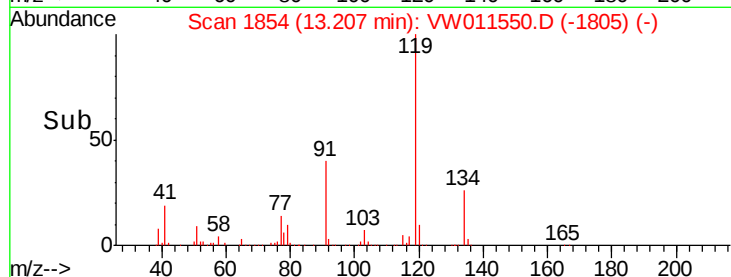
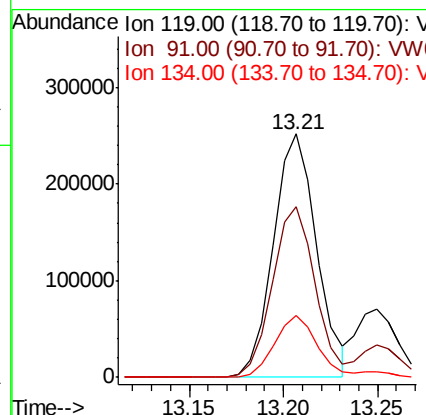
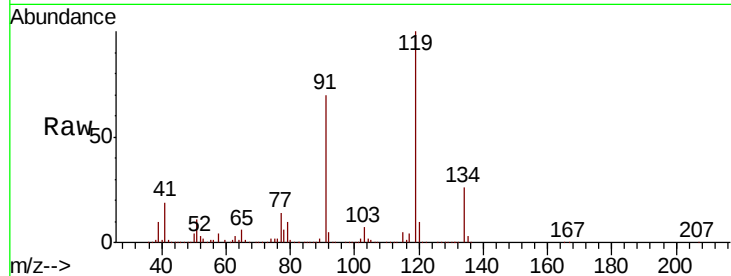




#83
tert-Butylbenzene
Concen: 47.029 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

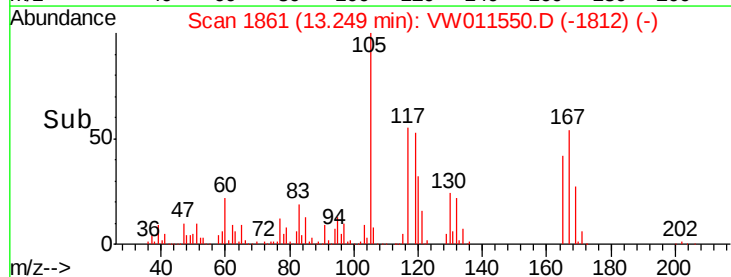
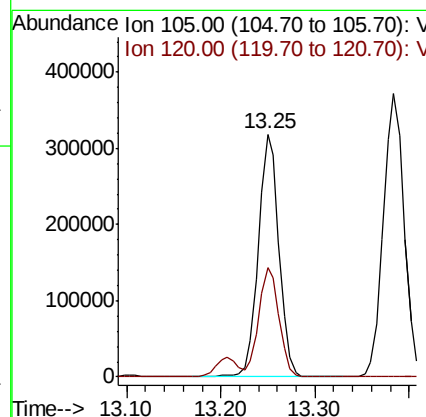
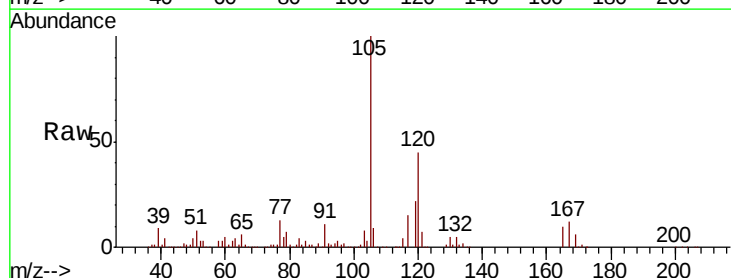
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

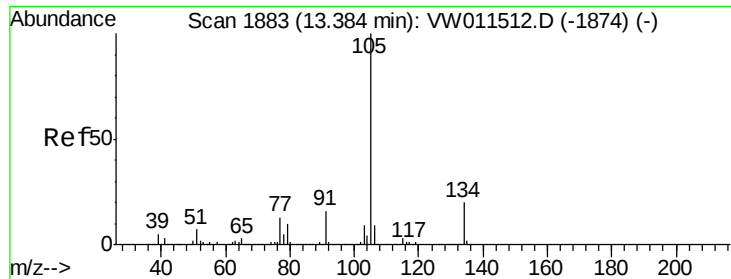
Tot Ion:119 Resp: 400550
Ion Ratio Lower Upper
119 100
91 69.2 34.5 103.6
134 26.7 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 47.876 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion:105 Resp: 491200
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 46.699 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

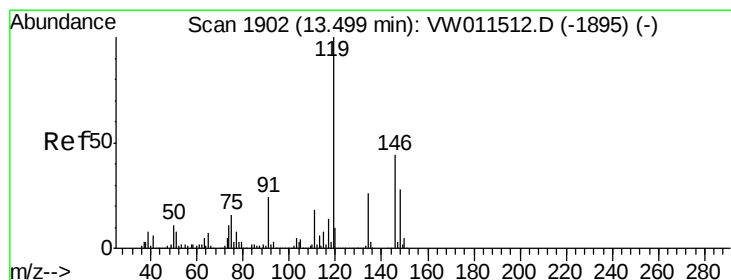
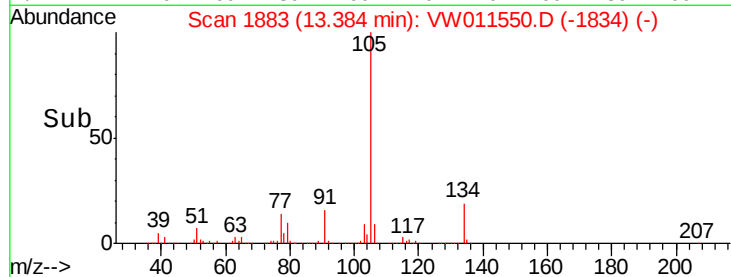
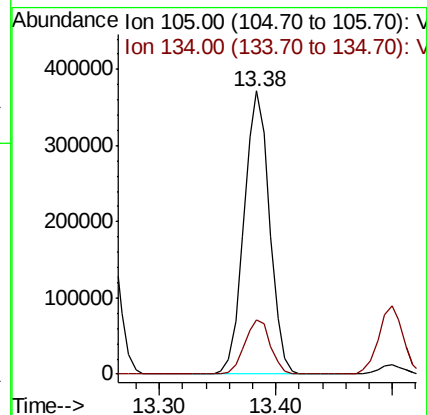
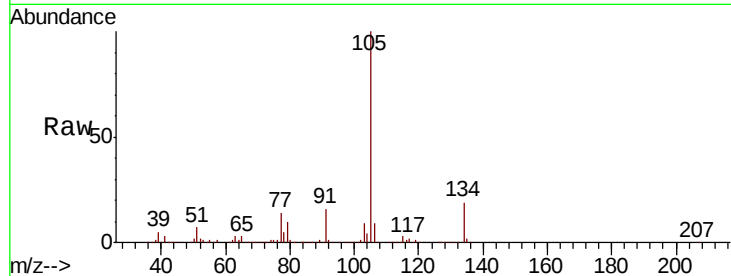
VSTDCCC050EC

Tot Ion:105 Resp: 567522

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 46.687 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

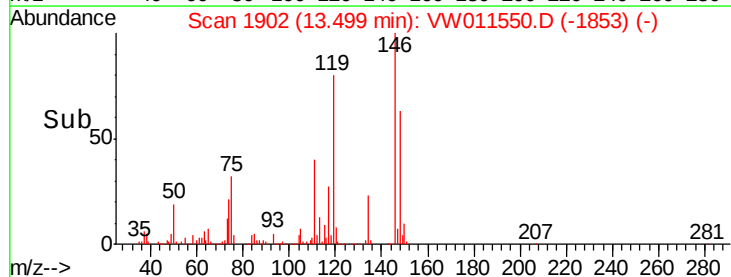
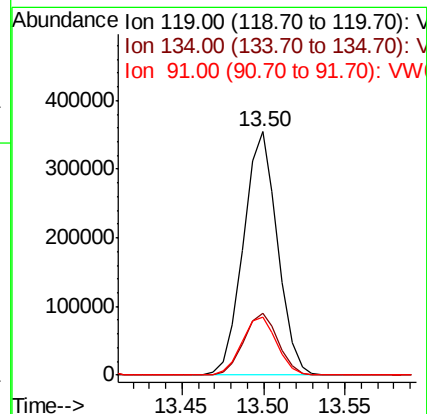
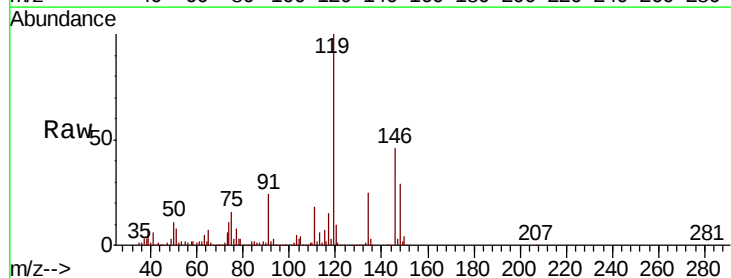
Tgt Ion:119 Resp: 514787

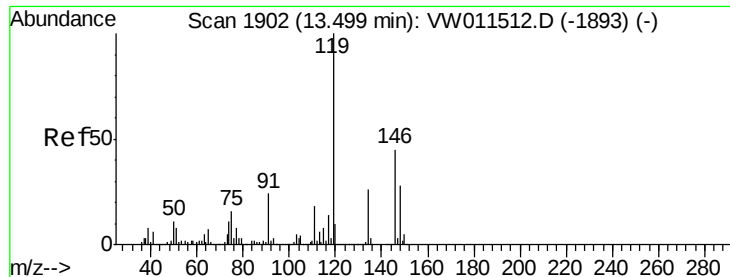
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.4 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 47.370 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

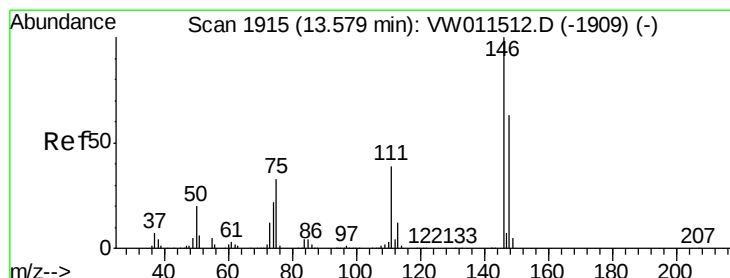
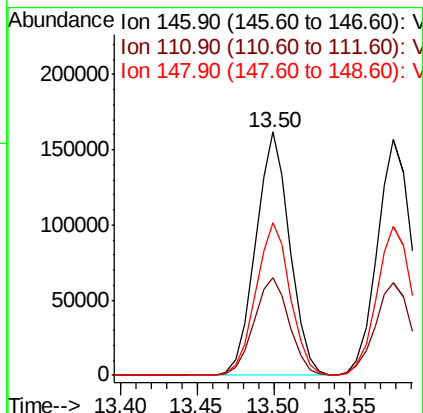
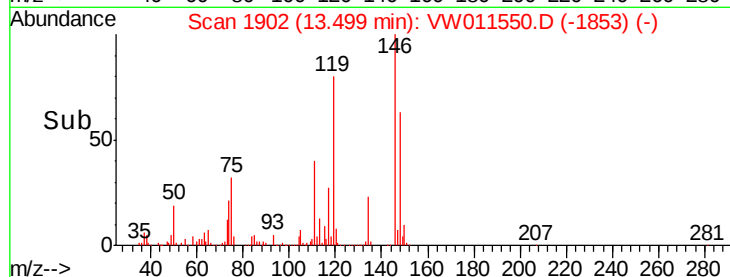
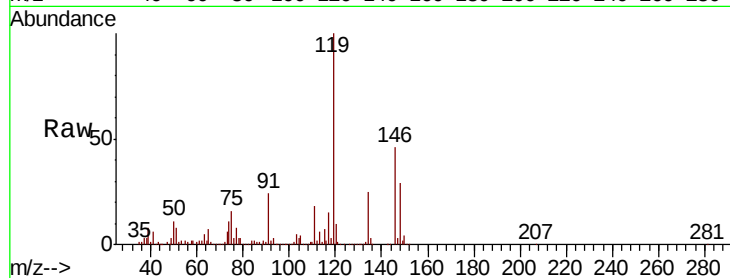
Tot Ion:146 Resp: 249441

Ion Ratio Lower Upper

146 100

111 41.5 20.5 61.6

148 63.5 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 46.774 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

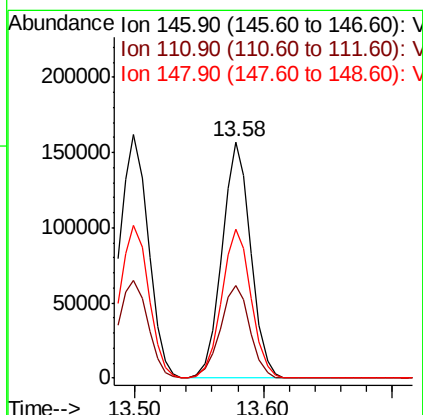
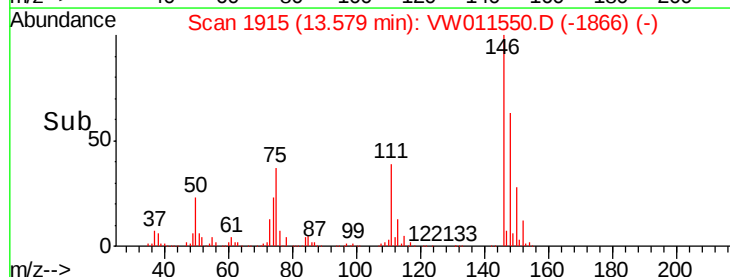
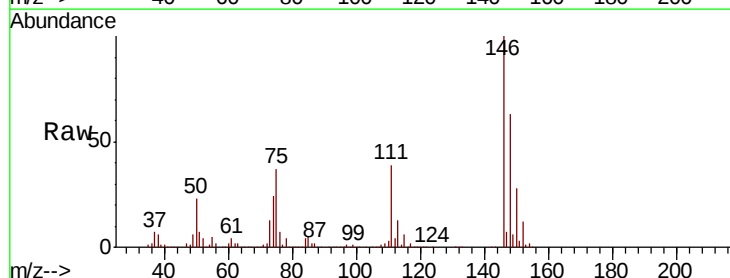
Tgt Ion:146 Resp: 245012

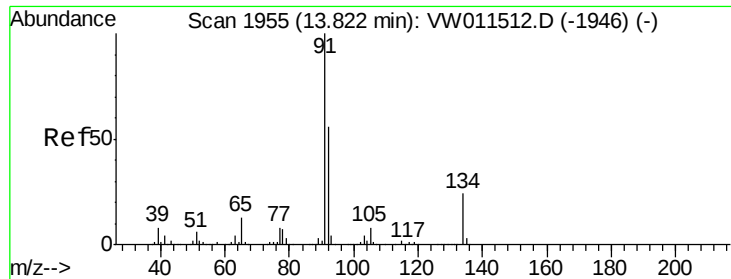
Ion Ratio Lower Upper

146 100

111 40.6 20.1 60.2

148 64.5 31.9 95.9

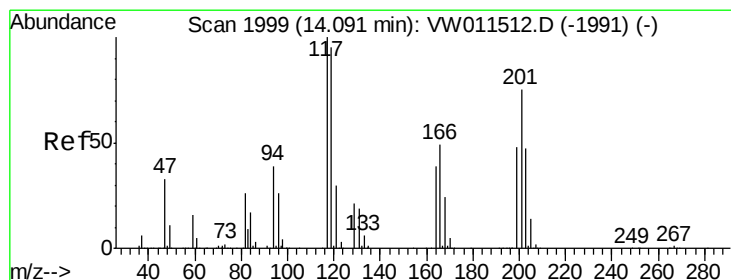
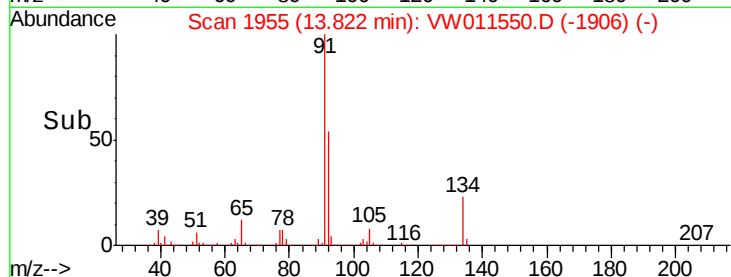
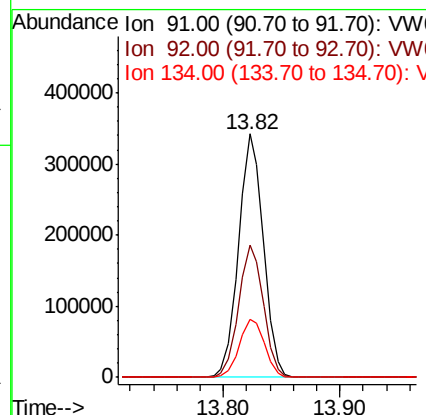
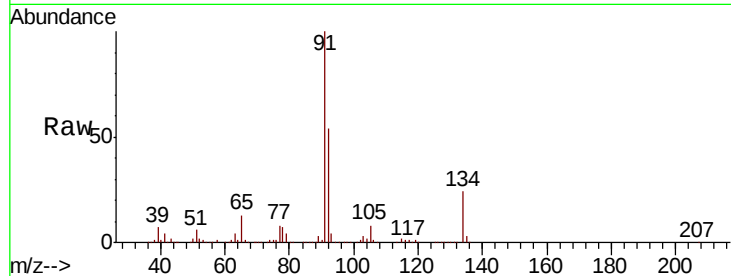




#89
n-Butylbenzene
Concen: 46.051 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

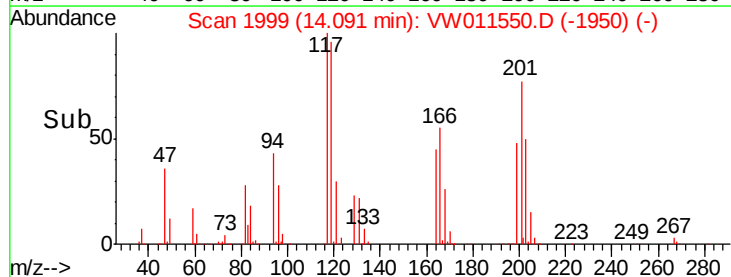
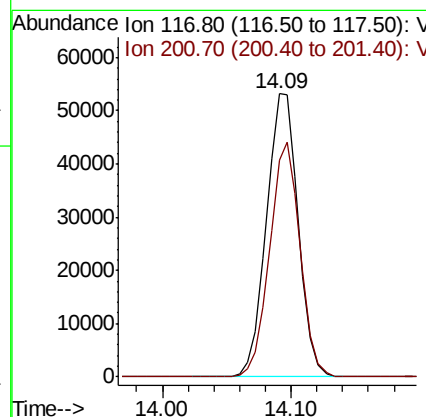
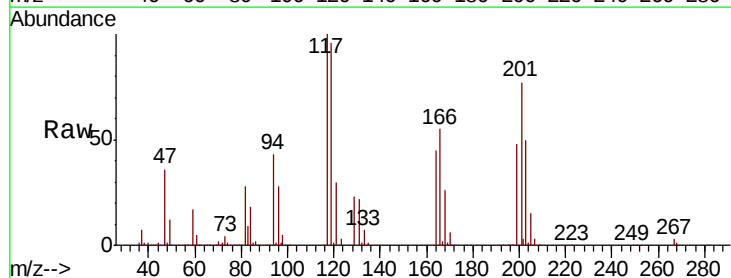
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

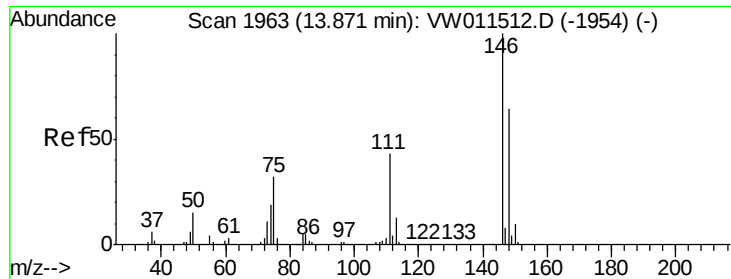
Tot Ion: 91 Resp: 506732
Ion Ratio Lower Upper
91 100
92 54.5 27.5 82.4
134 24.5 12.2 36.6



#90
Hexachloroethane
Concen: 46.537 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion: 117 Resp: 90736
Ion Ratio Lower Upper
117 100
201 79.6 39.4 118.2





#91

1,2-Dichlorobenzene

Concen: 48.046 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

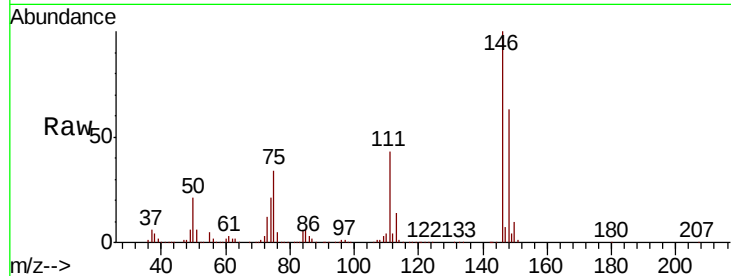
Tot Ion:146 Resp: 223766

Ion Ratio Lower Upper

146 100

111 42.9 21.6 65.0

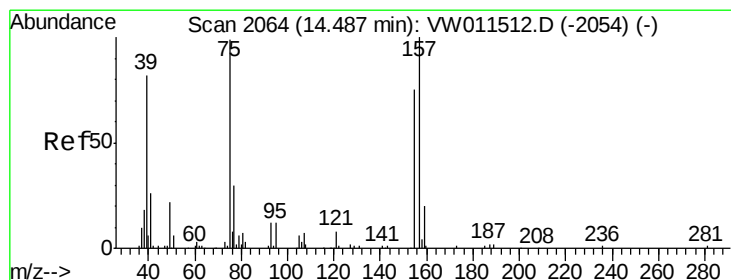
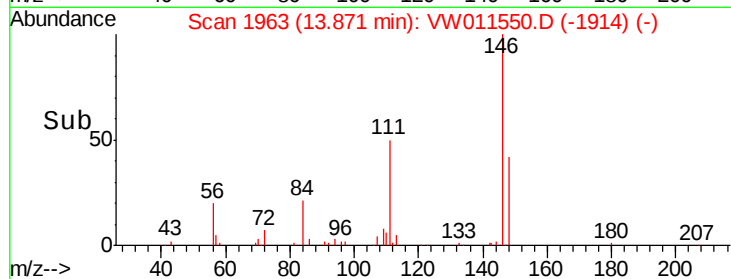
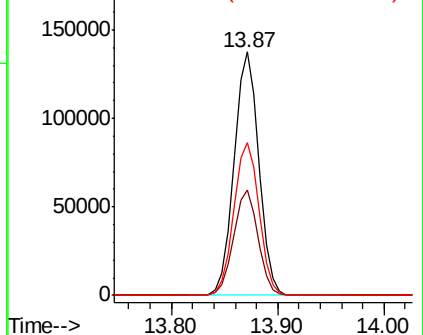
148 64.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.305 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011550.D

Acq: 27 Jul 2019 06:54

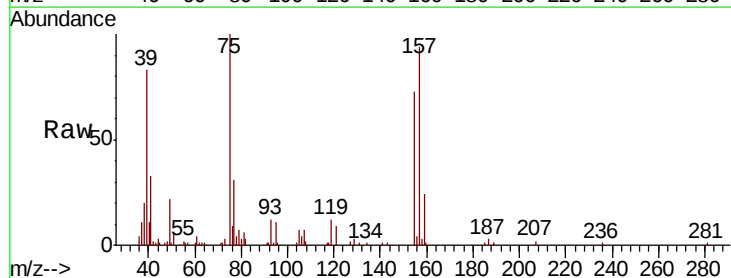
Tgt Ion: 75 Resp: 18436

Ion Ratio Lower Upper

75 100

155 79.1 38.2 114.6

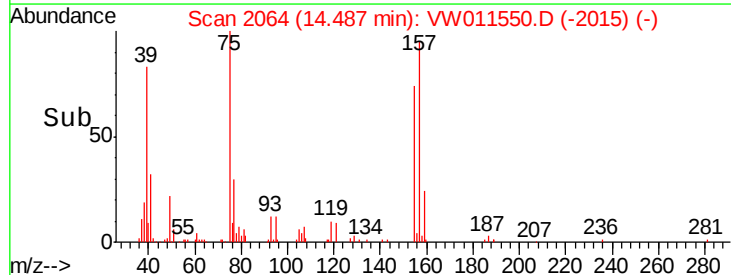
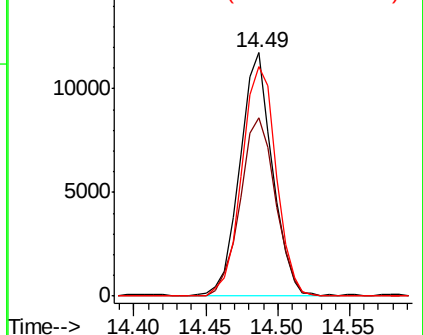
157 99.3 48.9 146.7

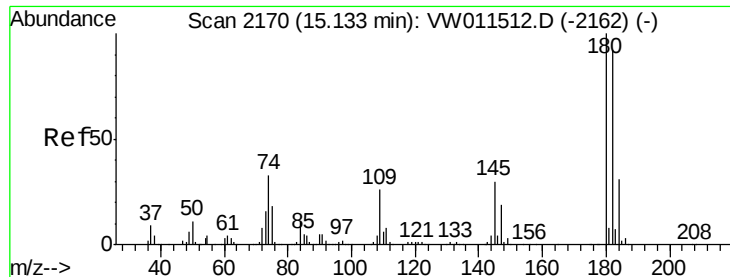


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

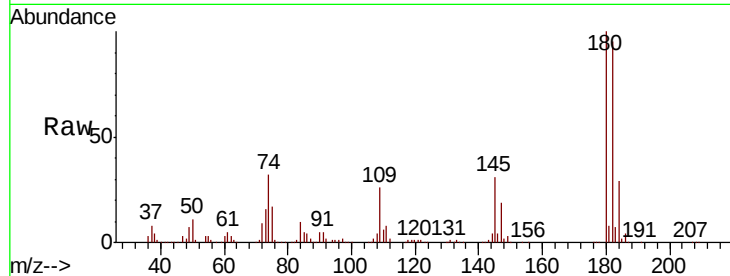




#93
 1,2,4-Trichlorobenzene
 Concen: 47.617 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.2
145	30.1	15.4	46.1

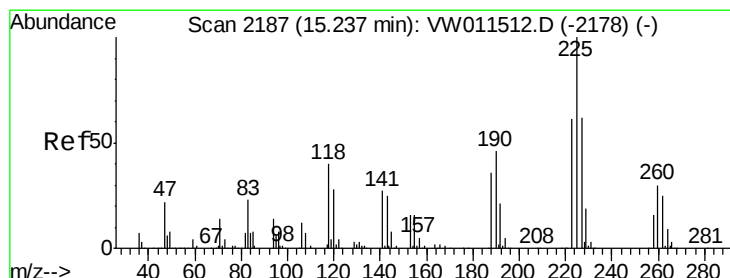
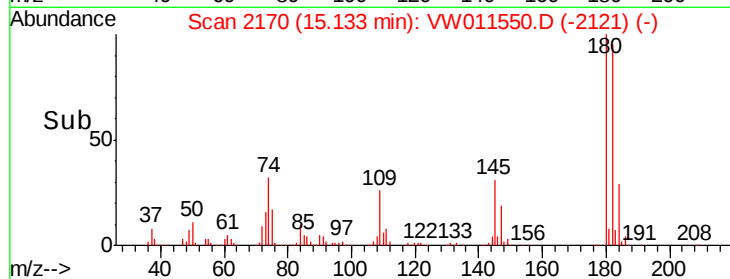
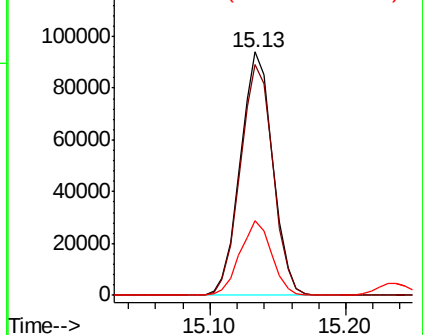


Abundance

Ion 179.80 (179.50 to 180.50): V

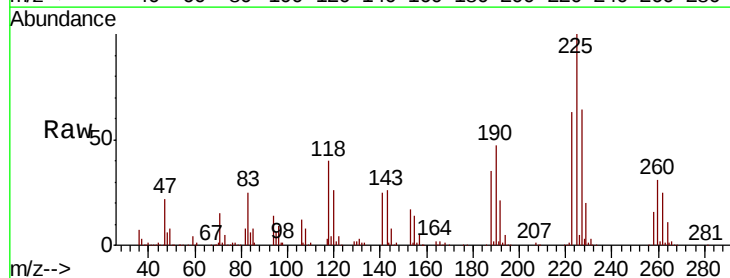
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.527 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011550.D
 Acq: 27 Jul 2019 06:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.8	92.3
227	64.2	31.6	94.7

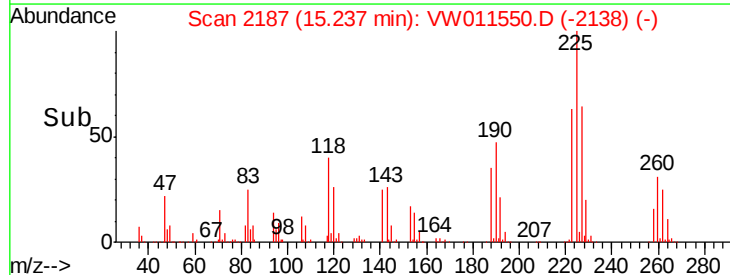
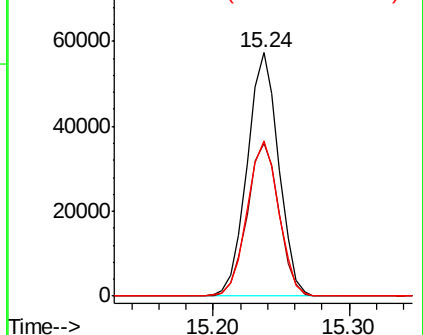


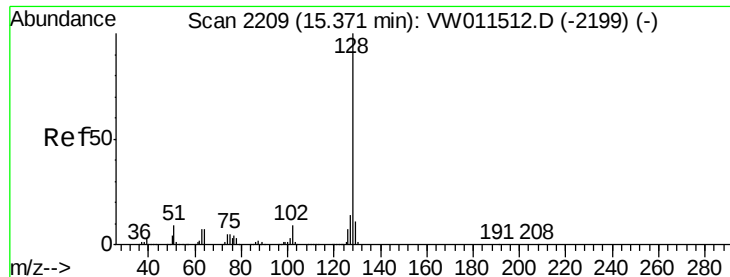
Abundance

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

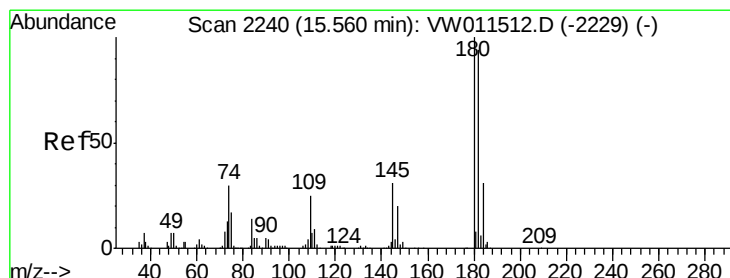
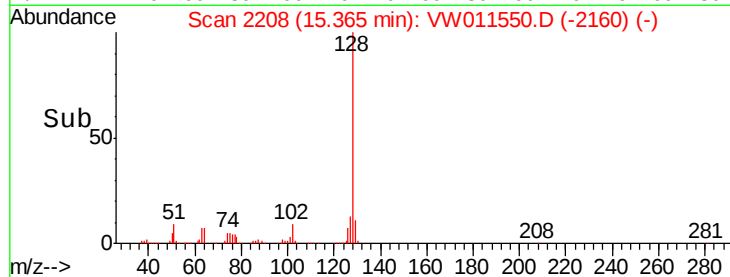
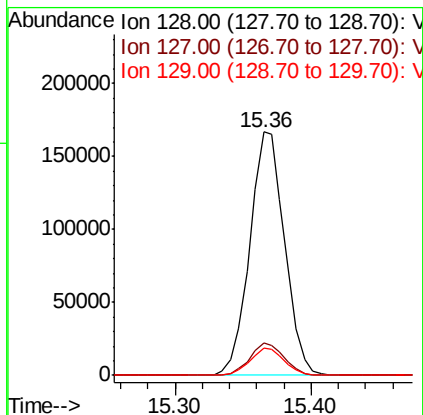
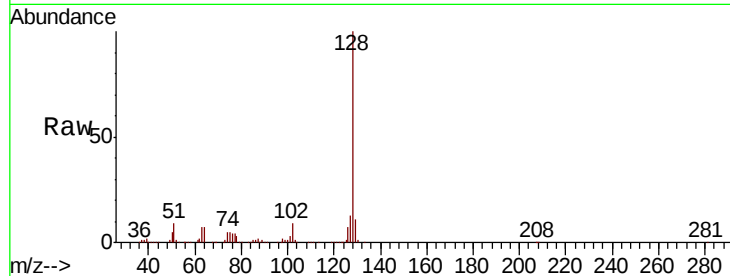




#95
Naphthalene
Concen: 46.642 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 298963
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.761 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011550.D
Acq: 27 Jul 2019 06:54

Tgt Ion:180 Resp: 137417
Ion Ratio Lower Upper
180 100
182 95.8 47.4 142.2
145 32.1 15.9 47.7

