

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011462.D
 Acq On : 24 Jul 2019 05:16
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 24 06:44:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153384	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	126187	45.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.92%	
35) Dibromofluoromethane	7.88	113	104803	46.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.34%	
50) Toluene-d8	10.32	98	418807	45.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.30%	
62) 4-Bromofluorobenzene	12.62	95	150286	44.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	58943	35.778	ug/l	96
3) Chloromethane	2.21	50	95466	44.971	ug/l	95
4) Vinyl Chloride	2.36	62	121627	43.774	ug/l	97
5) Bromomethane	2.76	94	62285	44.611	ug/l	99
6) Chloroethane	2.91	64	69638	46.532	ug/l	99
7) Trichlorofluoromethane	3.24	101	51825	52.505	ug/l	97
8) Diethyl Ether	3.68	74	69016	50.534	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	108562	45.917	ug/l	99
10) Methyl Iodide	4.27	142	161054	49.528	ug/l	98
11) Tert butyl alcohol	5.17	59	51736	251.759	ug/l	97
12) 1,1-Dichloroethene	4.04	96	114045	46.474	ug/l	89
13) Acrolein	3.89	56	37647	230.064	ug/l	100
14) Allyl chloride	4.66	41	242538	54.200	ug/l	97
15) Acrylonitrile	5.36	53	178464	256.577	ug/l	99
16) Acetone	4.12	43	143846	215.387	ug/l	97
17) Carbon Disulfide	4.38	76	315726	42.439	ug/l	99
18) Methyl Acetate	4.67	43	91473	48.111	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	203631	54.690	ug/l	99
20) Methylene Chloride	4.92	84	130817	49.653	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	127778	50.112	ug/l	94
22) Diisopropyl ether	6.31	45	509687	52.957	ug/l	98
23) Vinyl Acetate	6.25	43	1521357	255.418	ug/l	99
24) 1,1-Dichloroethane	6.21	63	260975	51.638	ug/l	99
25) 2-Butanone	7.17	43	255368	243.592	ug/l	98
26) 2,2-Dichloropropane	7.17	77	127980	48.715	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	147069	53.469	ug/l	98
28) Bromochloromethane	7.51	49	96639	42.053	ug/l	99
29) Tetrahydrofuran	7.52	42	167354	243.456	ug/l	99
30) Chloroform	7.67	83	240692	51.425	ug/l	99
31) Cyclohexane	7.95	56	243628	45.312	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	182644	51.298	ug/l	98
36) 1,1-Dichloropropene	8.08	75	192582	47.491	ug/l	100
37) Ethyl Acetate	7.25	43	114880	47.151	ug/l	99
38) Carbon Tetrachloride	8.07	117	161215	46.897	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	230521	46.902	ug/l	99
40) Benzene	8.32	78	555640	49.581	ug/l	98
41) Methacrylonitrile	7.48	41	70983	50.940	ug/l	93
42) 1,2-Dichloroethane	8.40	62	170781	46.977	ug/l	98
43) Isopropyl Acetate	8.42	43	222909	48.459	ug/l	98
44) Trichloroethene	9.09	130	135620	50.289	ug/l	97
45) 1,2-Dichloropropane	9.37	63	154101	50.779	ug/l	100
46) Dibromomethane	9.46	93	68526	48.069	ug/l	97
47) Bromodichloromethane	9.64	83	178637	48.974	ug/l	99
48) Methyl methacrylate	9.43	41	109733	49.586	ug/l	99
49) 1,4-Dioxane	9.45	88	21587	907.197	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	576084	239.748	ug/l	99
52) Toluene	10.38	92	338563	49.802	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	185158	47.689	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	221816	48.537	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	99119	49.011	ug/l	99
56) Ethyl methacrylate	10.65	69	154781	50.269	ug/l	97
57) 1,3-Dichloropropane	10.93	76	188266	49.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	331452	232.199	ug/l	99
59) 2-Hexanone	10.97	43	388701	233.259	ug/l	99
60) Dibromochloromethane	11.13	129	137261	61.894	ug/l	84
61) 1,2-Dibromoethane	11.23	107	93311	48.709	ug/l	99
64) Tetrachloroethene	10.86	164	114827	52.075	ug/l	98
65) Chlorobenzene	11.66	112	341259	51.366	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	120559	51.537	ug/l	99
67) Ethyl Benzene	11.73	91	656324	51.604	ug/l	100
68) m/p-Xylenes	11.84	106	472119	102.589	ug/l	99
69) o-Xylene	12.16	106	225031	51.880	ug/l	98
70) Styrene	12.18	104	391718	52.328	ug/l	99
71) Bromoform	12.35	173	64419	51.795	ug/l #	93
73) Isopropylbenzene	12.46	105	621332	54.189	ug/l	100
74) N-amyl acetate	12.27	43	202539	50.719	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	118083	50.240	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	151604	85.529	ug/l #	100
77) Bromobenzene	12.74	156	138282	53.740	ug/l	96
78) n-propylbenzene	12.80	91	735107	52.045	ug/l	100
79) 2-Chlorotoluene	12.89	91	422477	51.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	526463	54.046	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35036	44.707	ug/l	95
82) 4-Chlorotoluene	12.99	91	434996	51.383	ug/l	100
83) tert-Butylbenzene	13.21	119	444884	54.762	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	529253	54.110	ug/l	99
85) sec-Butylbenzene	13.38	105	605247	51.632	ug/l	99
86) p-Isopropyltoluene	13.50	119	546043	51.935	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	253604	51.225	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	251376	50.423	ug/l	99
89) n-Butylbenzene	13.82	91	517691	49.358	ug/l	99
90) Hexachloroethane	14.10	117	97134	50.557	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	228880	50.959	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19238	46.145	ug/l	90

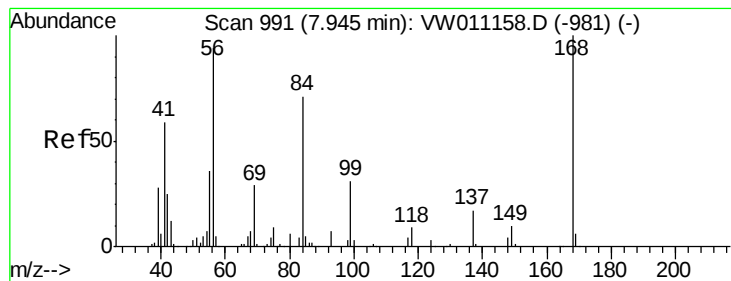
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	154348	49.893	ug/l	98
94) Hexachlorobutadiene	15.24	225	92571	48.740	ug/l	99
95) Naphthalene	15.37	128	312692	52.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	137459	50.347	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: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

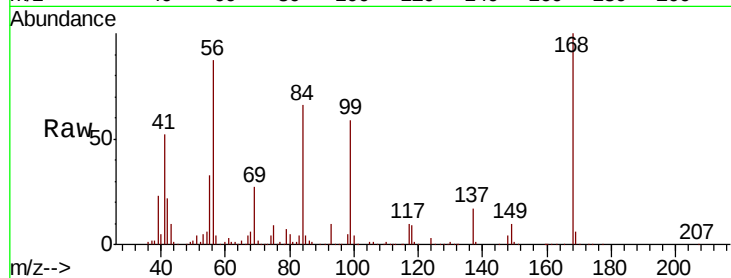
VSTDCCC050EC

Tot Ion:168 Resp: 220895

Ion Ratio Lower Upper

168 100

99 58.4 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

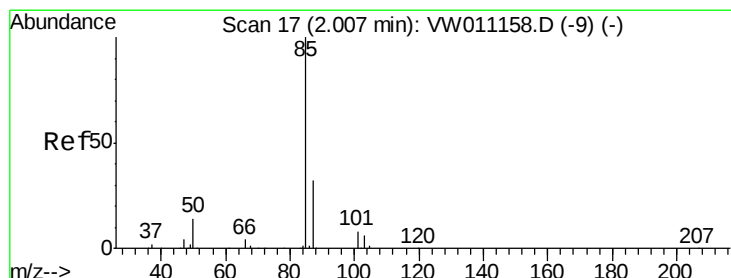
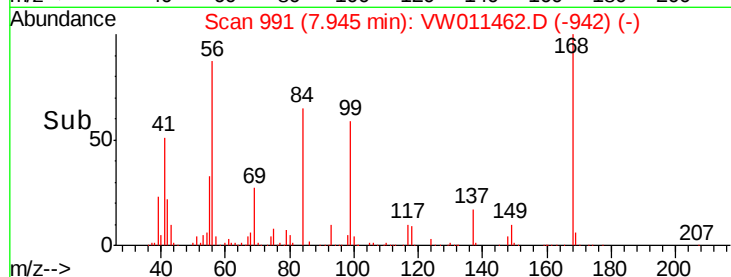
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 35.778 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011462.D

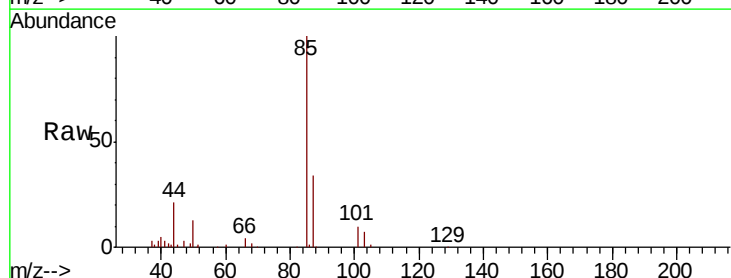
Acq: 24 Jul 2019 05:16

Tgt Ion: 85 Resp: 58943

Ion Ratio Lower Upper

85 100

87 33.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

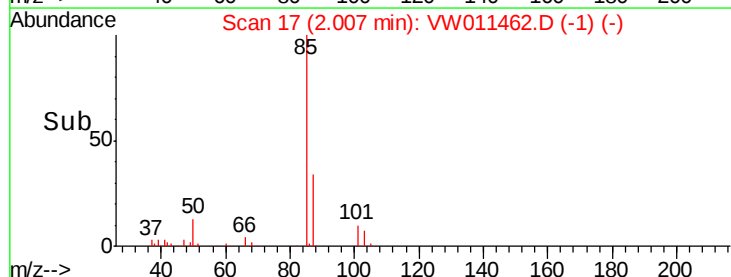
15000

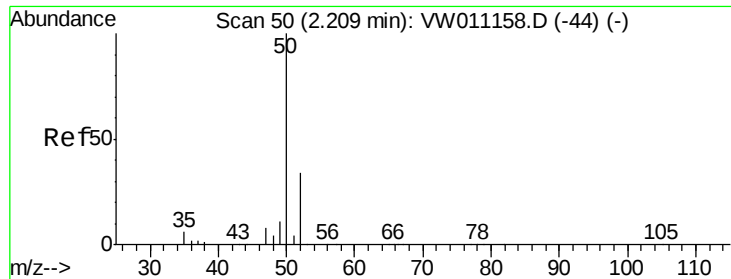
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 44.971 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

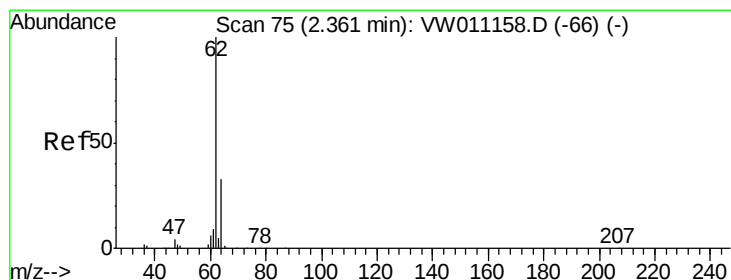
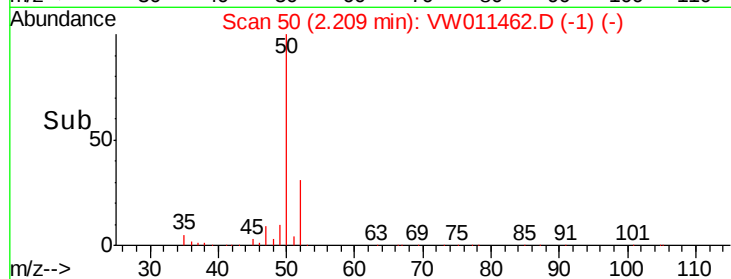
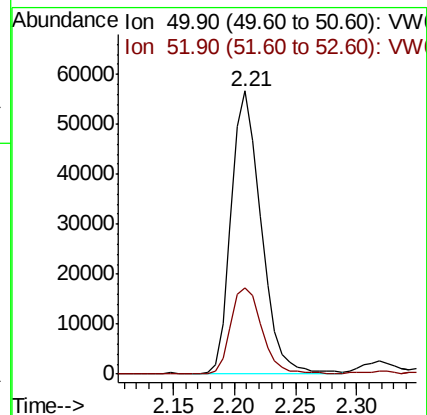
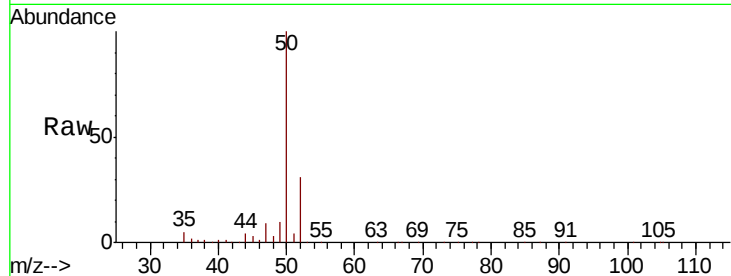
VSTDCCC050EC

Tot Ion: 50 Resp: 95466

Ion Ratio Lower Upper

50 100

52 30.7 26.9 40.3



#4

Vinyl Chloride

Concen: 43.774 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011462.D

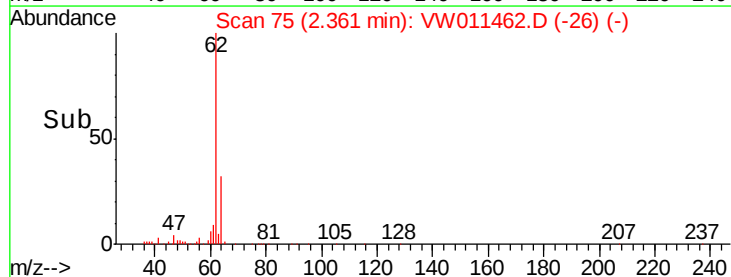
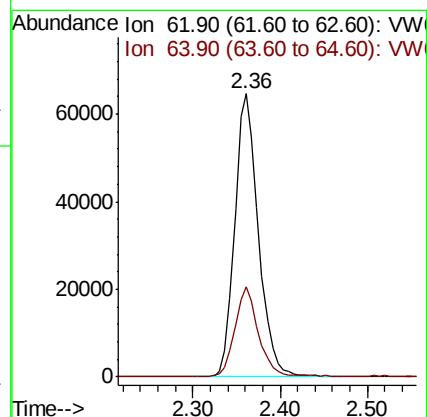
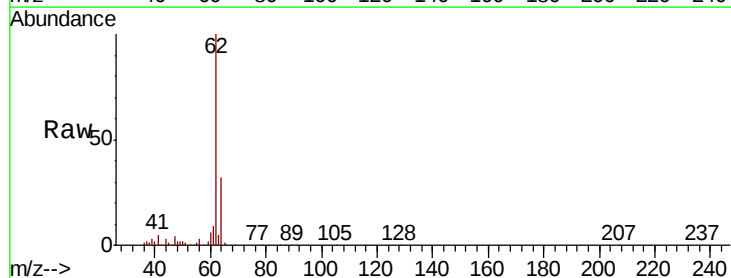
Acq: 24 Jul 2019 05:16

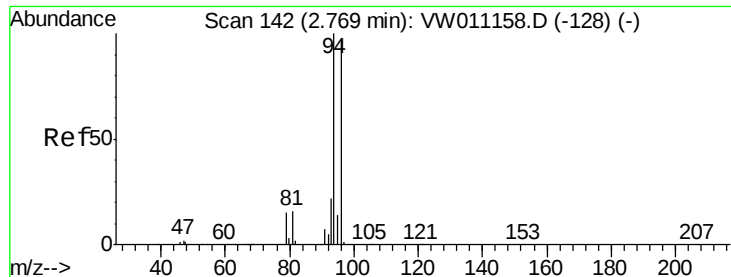
Tgt Ion: 62 Resp: 121627

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 44.611 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

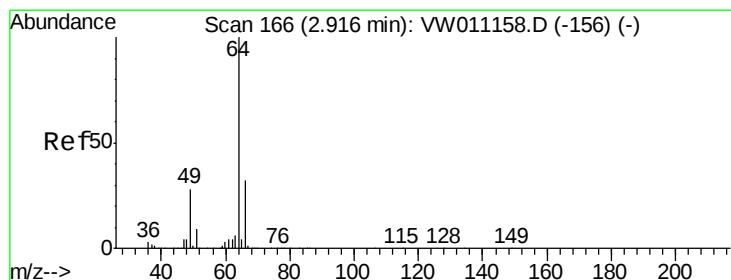
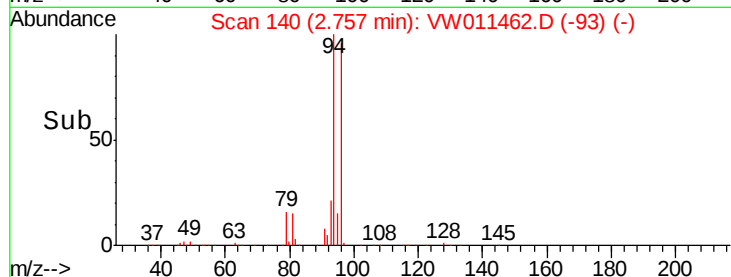
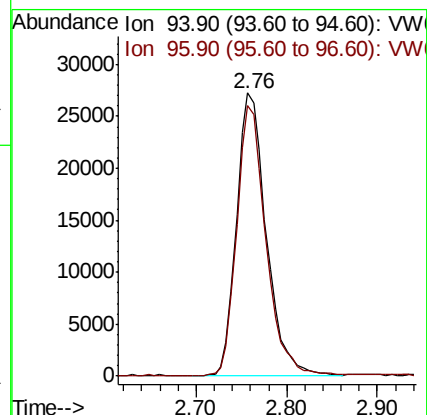
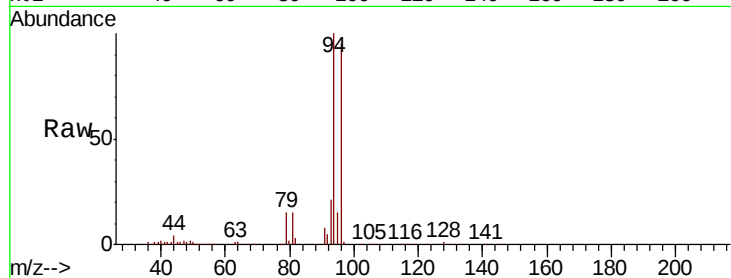
VSTDCCC050EC

Tot Ion: 94 Resp: 62285

Ion Ratio Lower Upper

94 100

96 95.4 77.4 116.0



#6

Chloroethane

Concen: 46.532 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011462.D

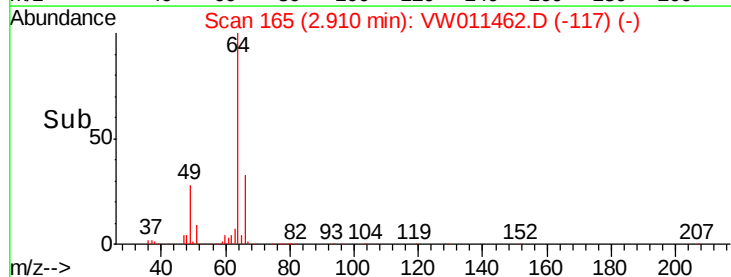
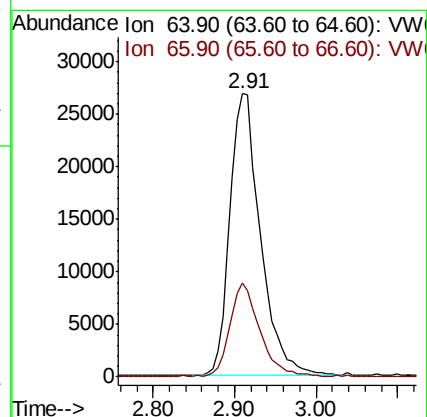
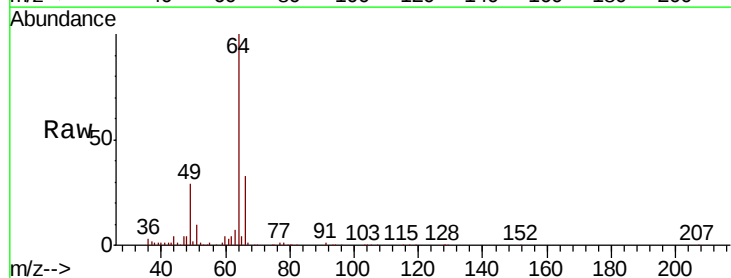
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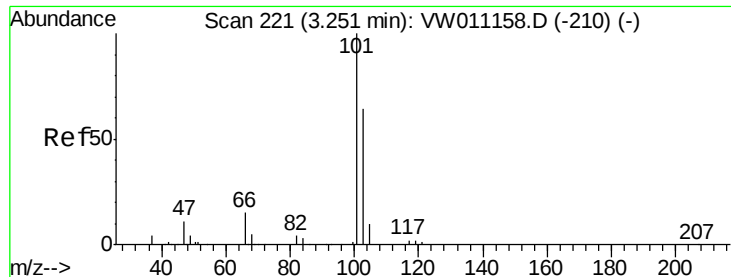
Tgt Ion: 64 Resp: 69638

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.8





#7

Trichlorofluoromethane

Concen: 52.505 ug/l

RT: 3.24 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

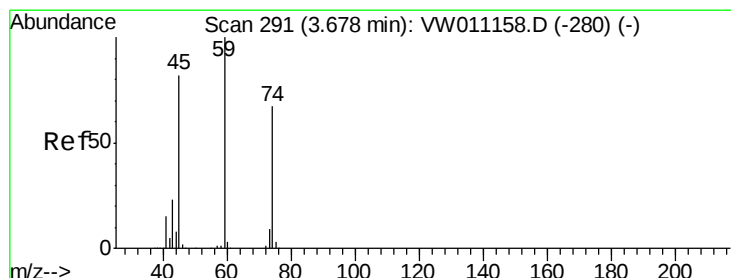
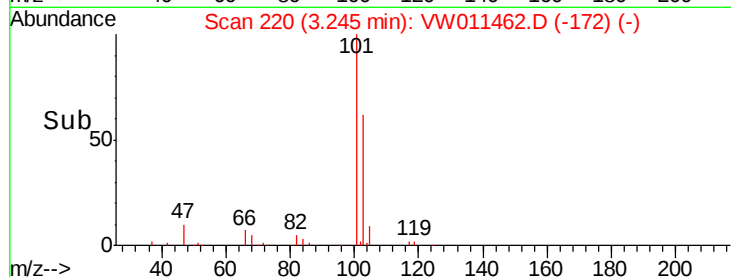
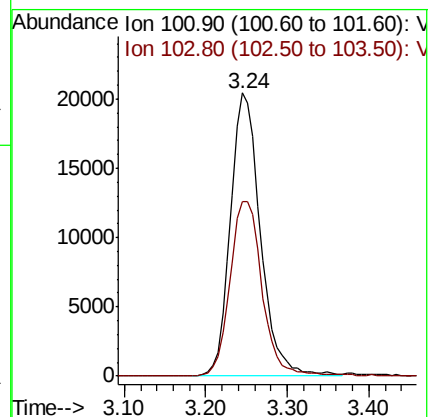
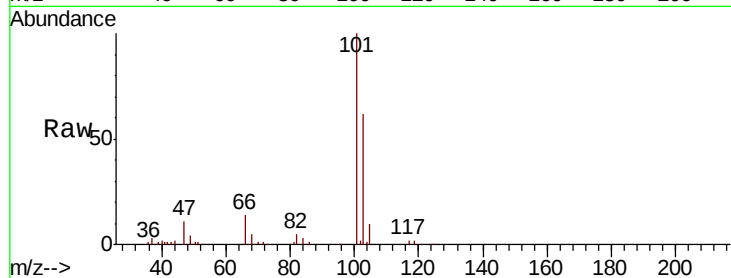
VSTDCCC050EC

Tot Ion:101 Resp: 51825

Ion Ratio Lower Upper

101 100

103 61.6 51.3 76.9



#8

Diethyl Ether

Concen: 50.534 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW011462.D

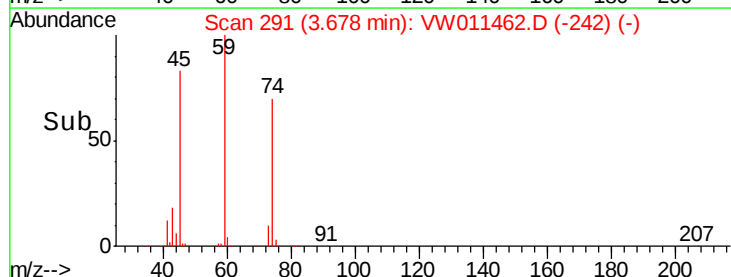
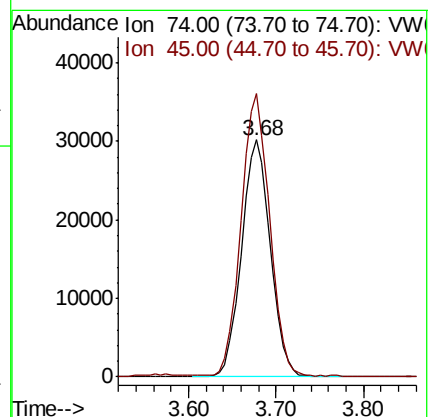
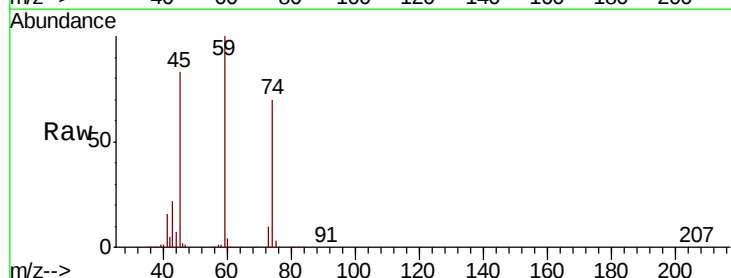
Acq: 24 Jul 2019 05:16

Tgt Ion: 74 Resp: 69016

Ion Ratio Lower Upper

74 100

45 118.1 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.917 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

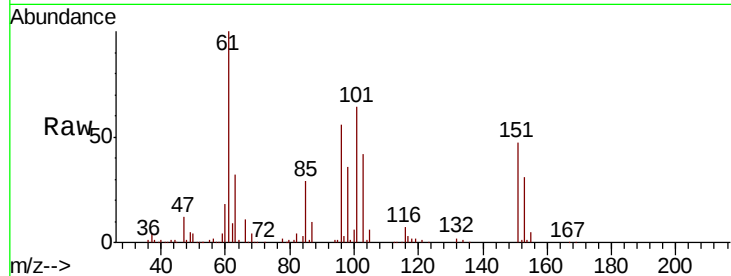
Tot Ion:101 Resp: 108562

Ion Ratio Lower Upper

101 100

85 44.6 36.5 54.7

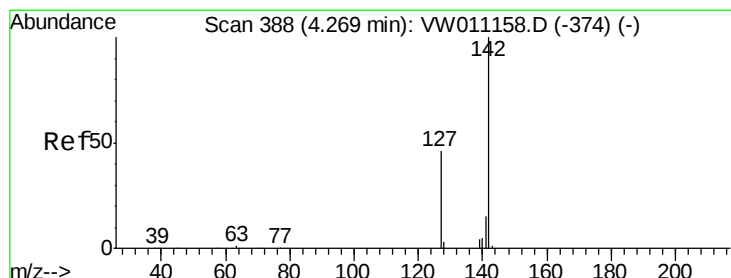
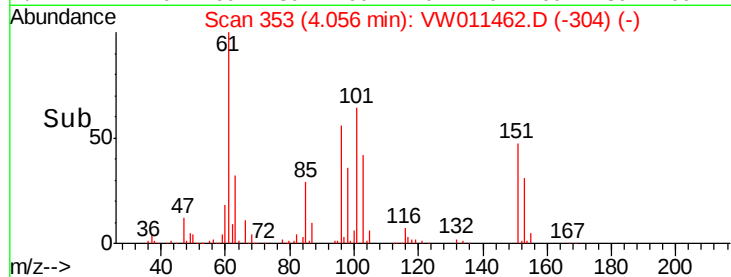
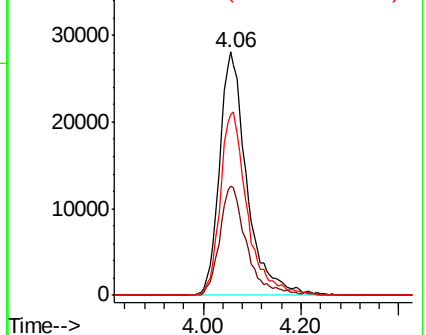
151 74.5 59.1 88.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.528 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

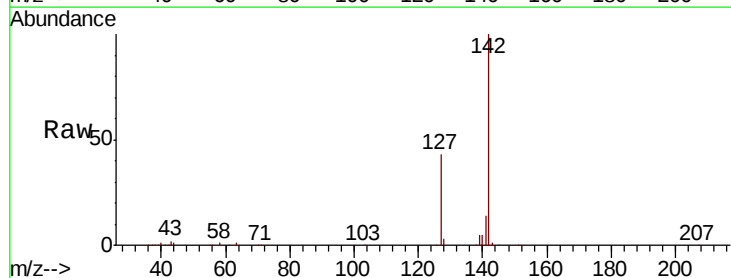
Tgt Ion:142 Resp: 161054

Ion Ratio Lower Upper

142 100

127 43.0 35.7 53.5

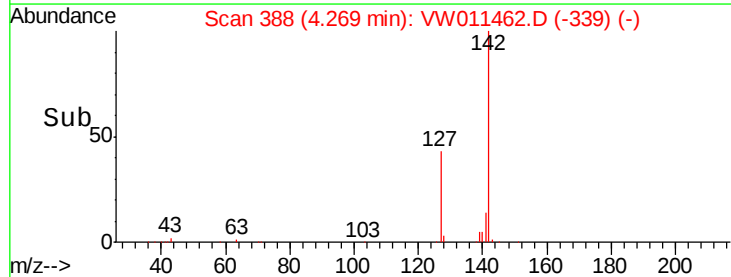
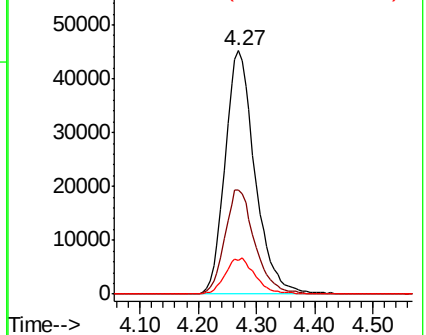
141 14.8 11.5 17.3

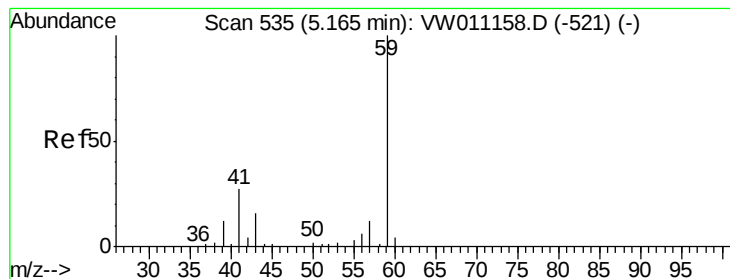


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



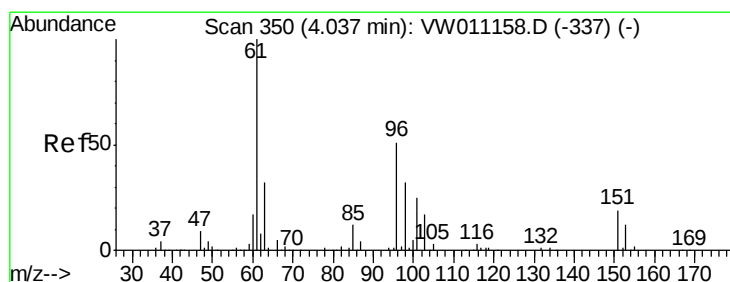
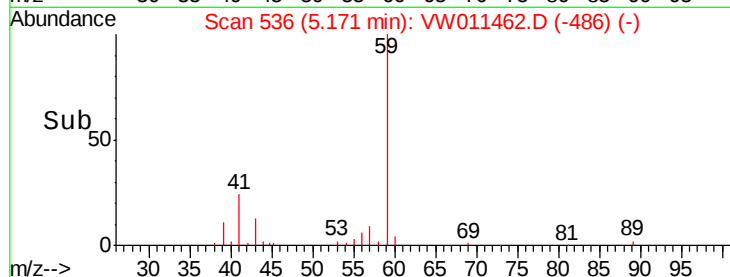
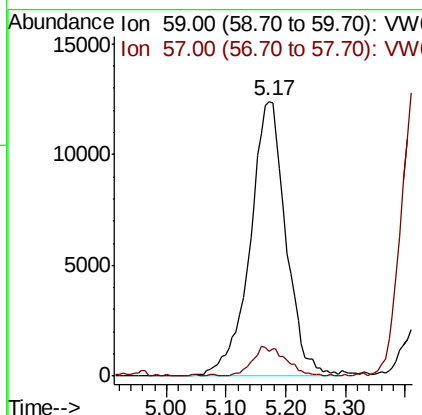
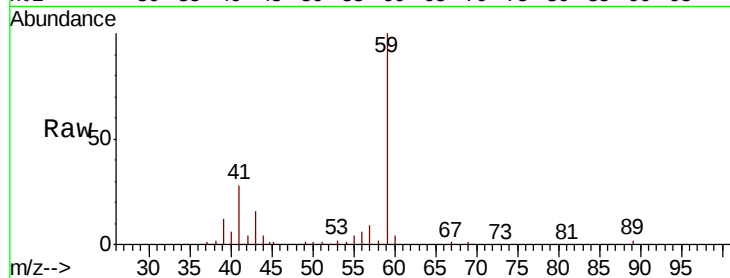


#11

Tert butyl alcohol
 Concen: 251.759 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

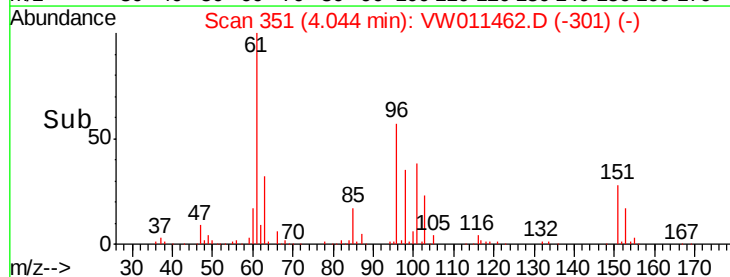
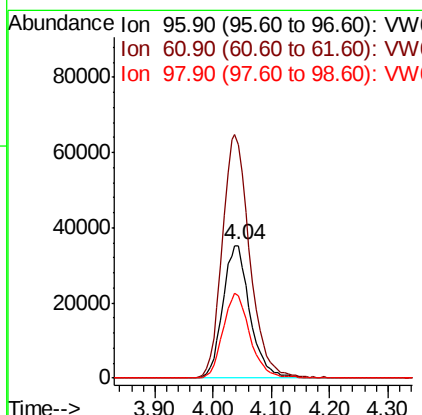
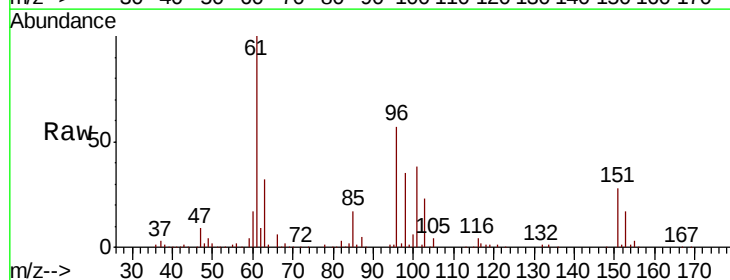
Tot Ion: 59 Resp: 51736
 Ion Ratio Lower Upper
 59 100
 57 10.2 9.0 13.6

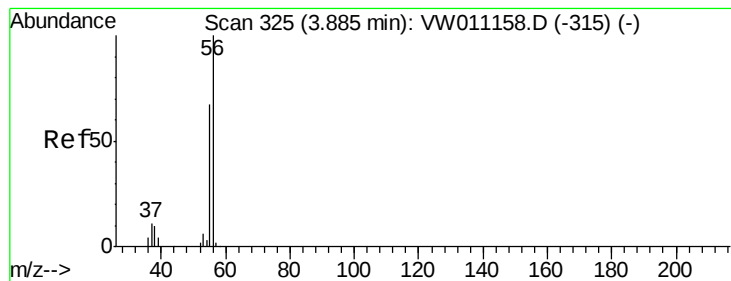


#12

1,1-Dichloroethene
 Concen: 46.474 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion: 96 Resp: 114045
 Ion Ratio Lower Upper
 96 100
 61 175.5 157.7 236.5
 98 62.1 50.9 76.3





#13

Acrolein

Concen: 230.064 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

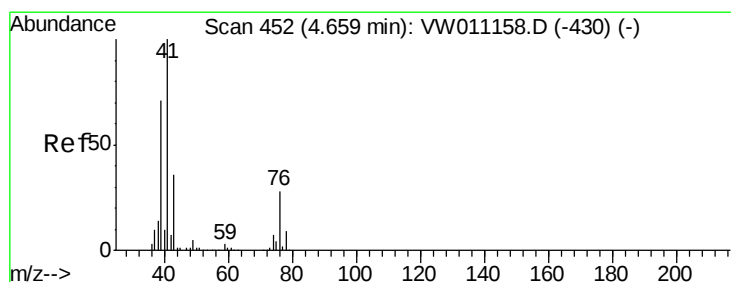
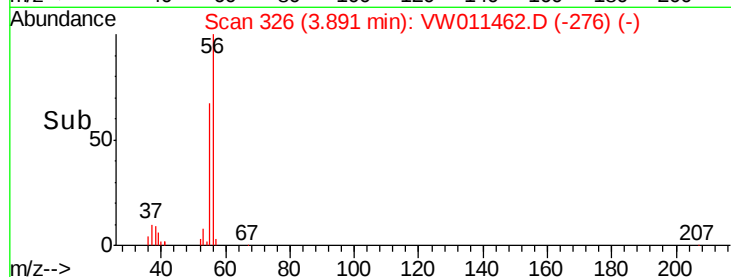
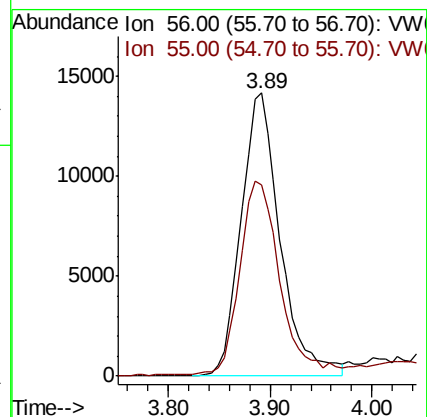
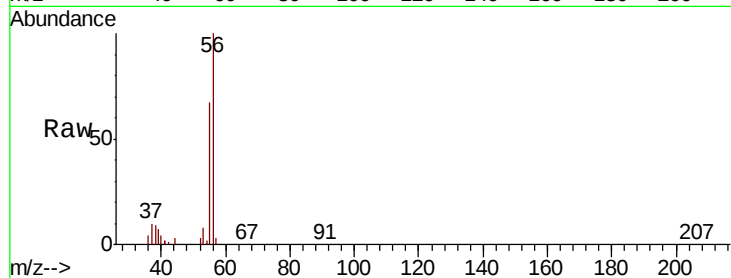
VSTDCCC050EC

Tot Ion: 56 Resp: 37647

Ion Ratio Lower Upper

56 100

55 70.1 56.4 84.6



#14

Allyl chloride

Concen: 54.200 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

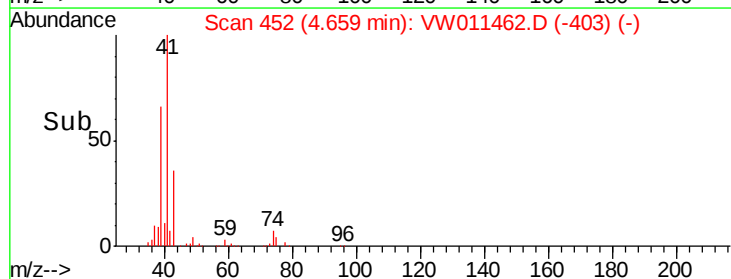
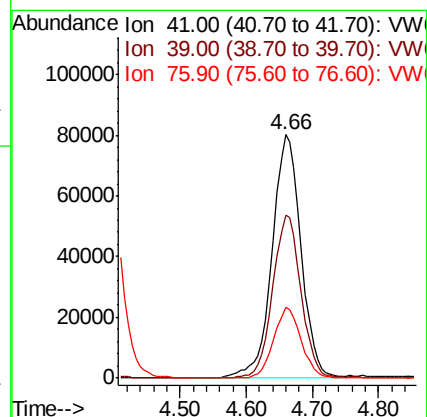
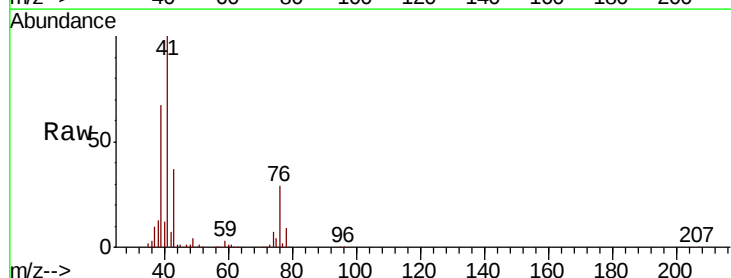
Tgt Ion: 41 Resp: 242538

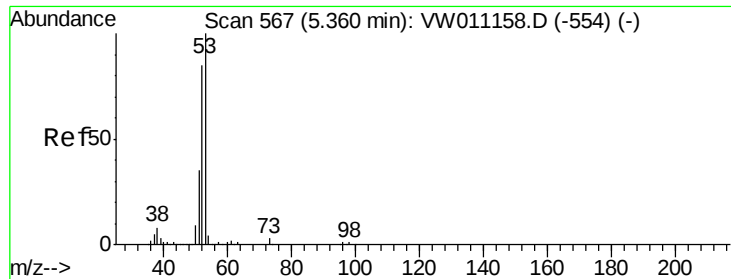
Ion Ratio Lower Upper

41 100

39 65.3 55.1 82.7

76 27.9 22.5 33.7





#15

Acrylonitrile

Concen: 256.577 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

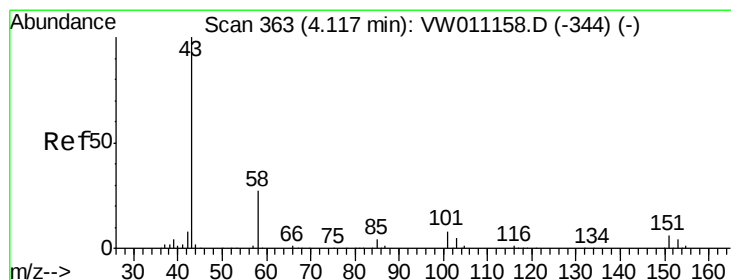
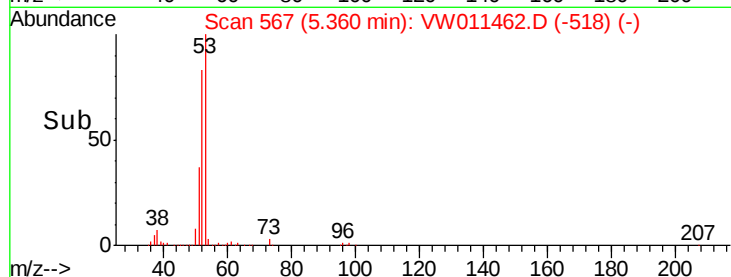
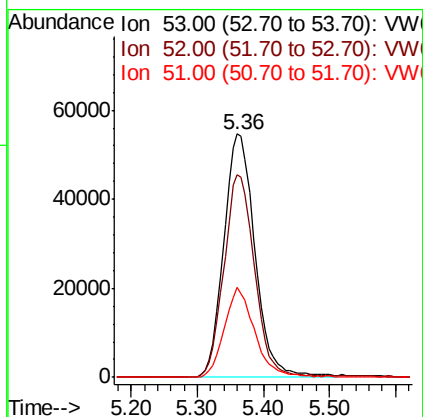
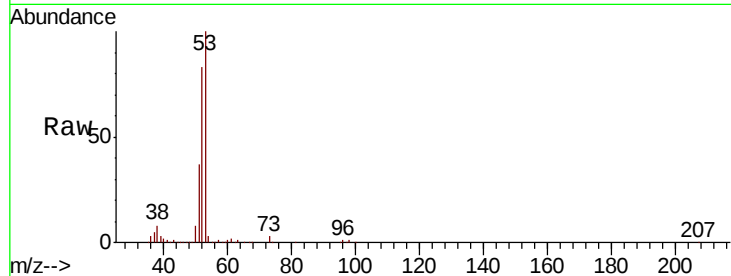
Tot Ion: 53 Resp: 178464

Ion Ratio Lower Upper

53 100

52 81.9 66.2 99.4

51 35.9 29.1 43.7



#16

Acetone

Concen: 215.387 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011462.D

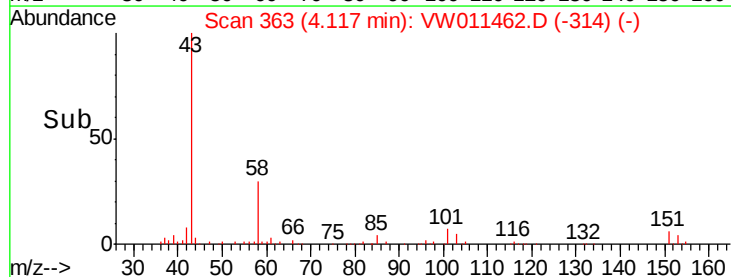
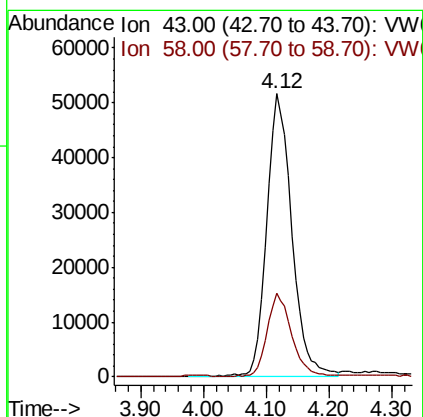
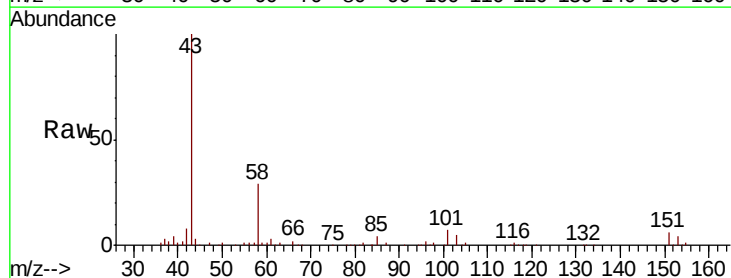
Acq: 24 Jul 2019 05:16

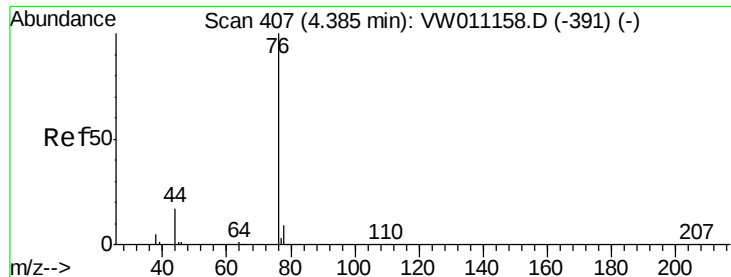
Tgt Ion: 43 Resp: 143846

Ion Ratio Lower Upper

43 100

58 29.0 21.8 32.6

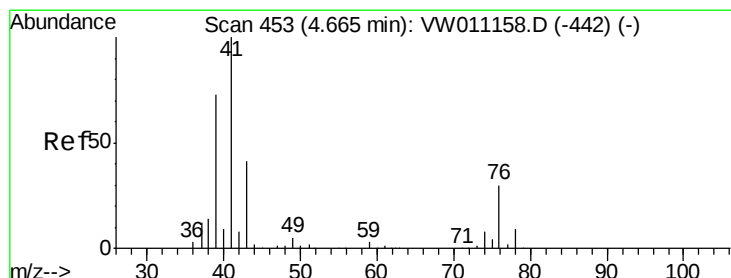
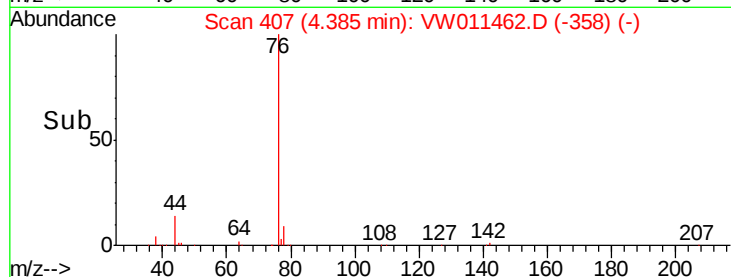
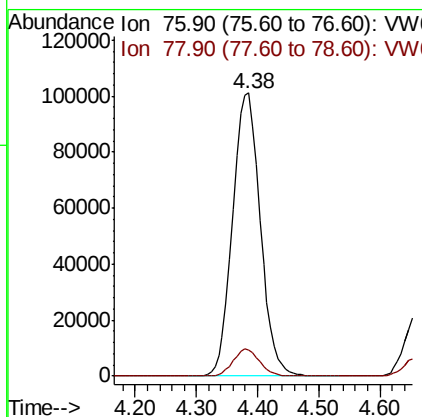
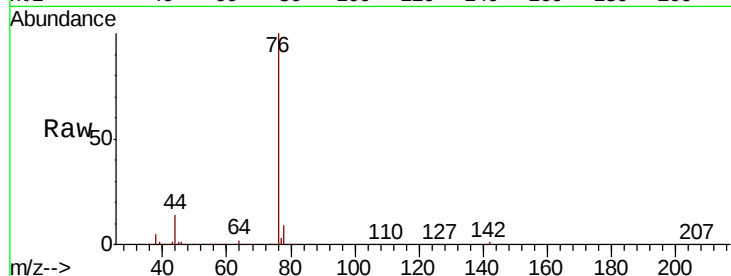




#17
Carbon Disulfide
Concen: 42.439 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

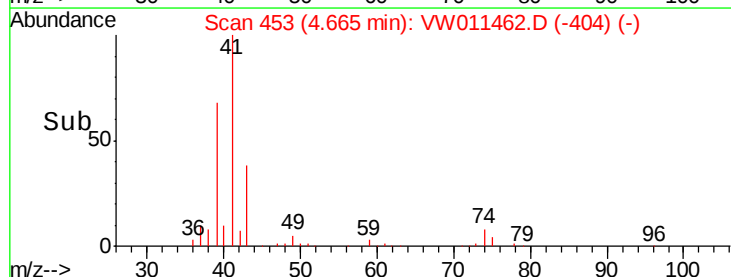
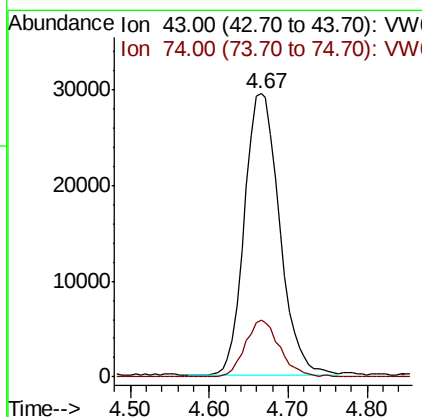
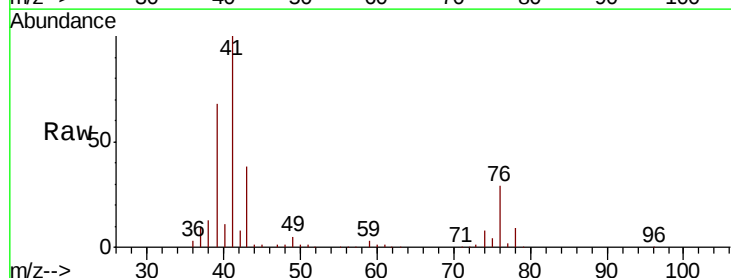
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

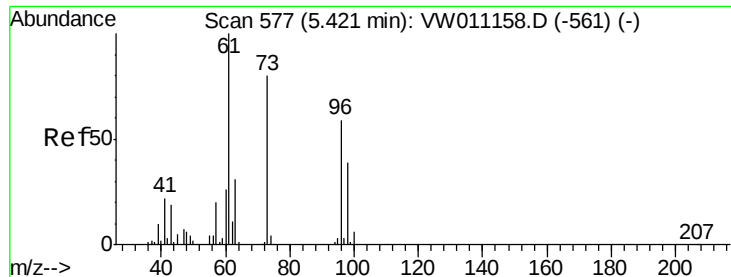
Tot Ion: 76 Resp: 315726
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 48.111 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 43 Resp: 91473
Ion Ratio Lower Upper
43 100
74 19.9 15.7 23.5

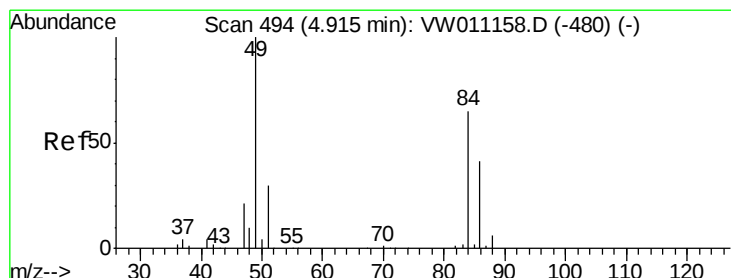
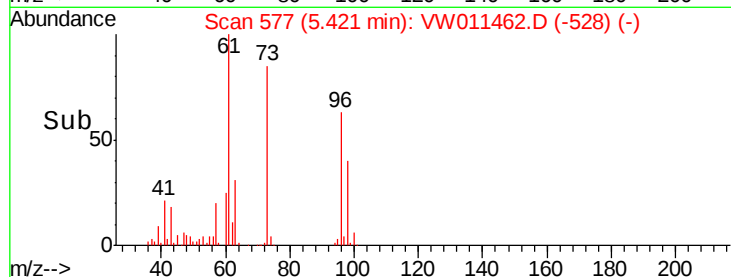
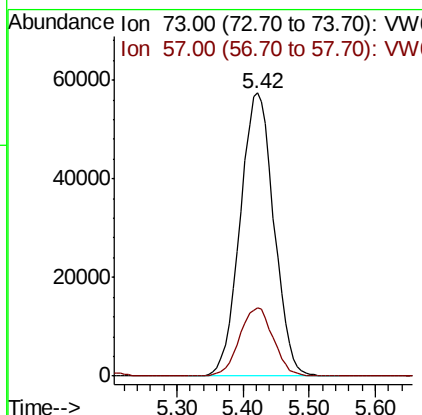
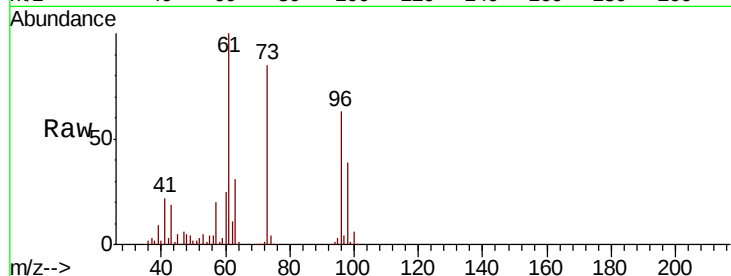




#19
Methyl tert-butyl Ether
Concen: 54.690 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

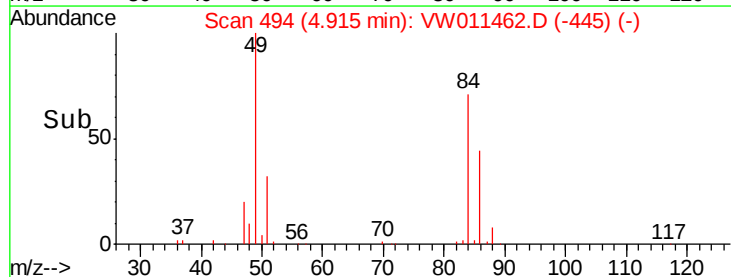
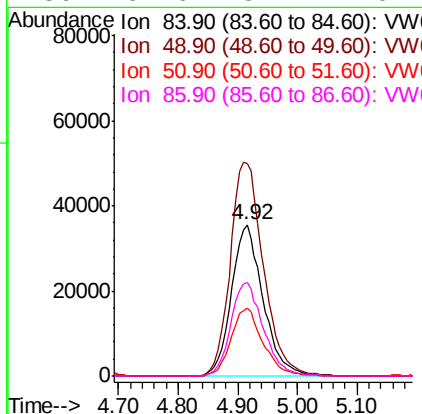
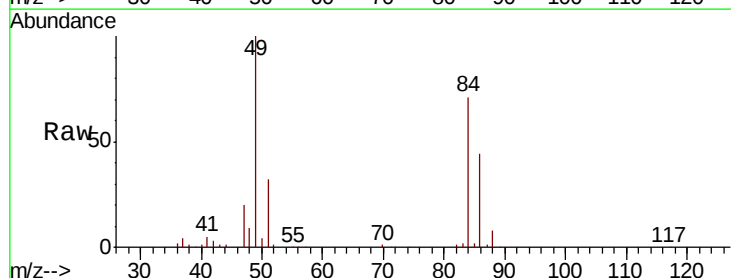
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

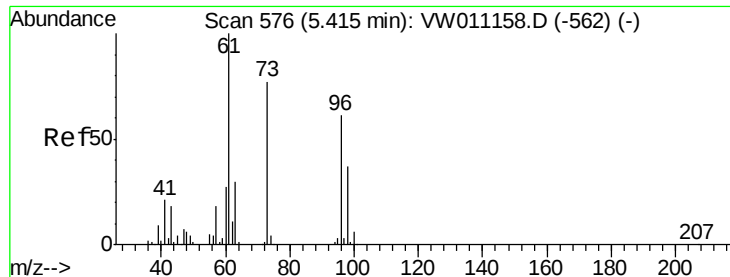
Tot Ion: 73 Resp: 203631
Ion Ratio Lower Upper
73 100
57 24.0 19.7 29.5



#20
Methylene Chloride
Concen: 49.653 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 84 Resp: 130817
Ion Ratio Lower Upper
84 100
49 140.7 123.8 185.6
51 45.1 37.4 56.2
86 61.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 50.112 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

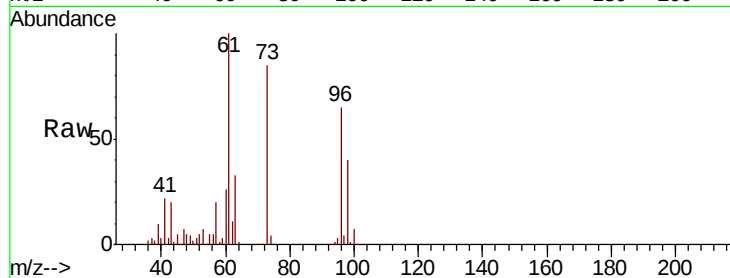
Tot Ion: 96 Resp: 127778

Ion Ratio Lower Upper

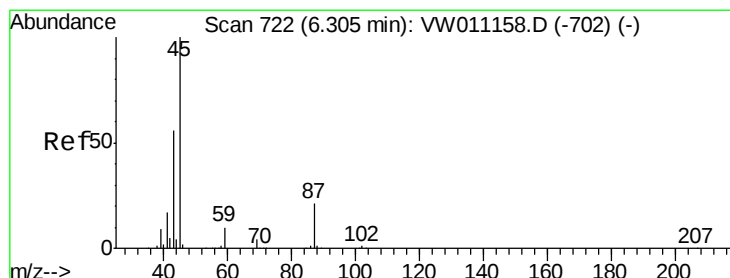
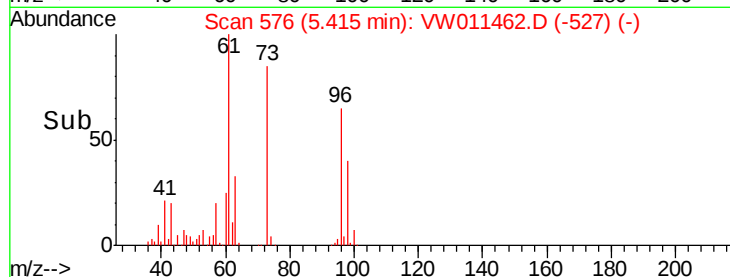
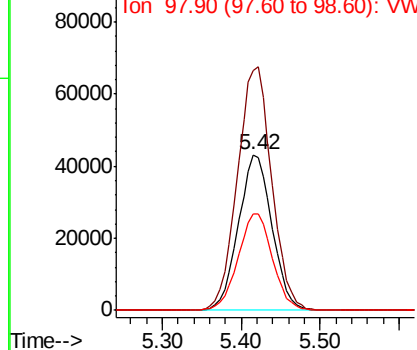
96 100

61 153.9 132.2 198.2

98 62.2 49.4 74.0



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



#22

Diisopropyl ether

Concen: 52.957 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tgt Ion: 45 Resp: 509687

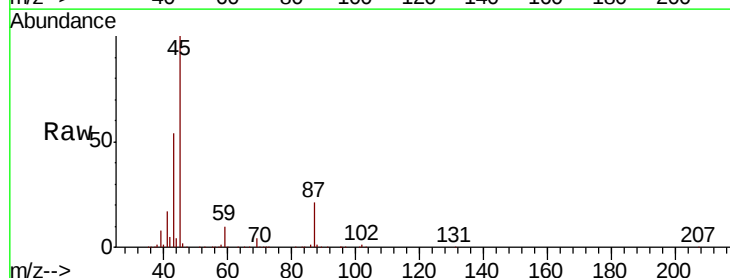
Ion Ratio Lower Upper

45 100

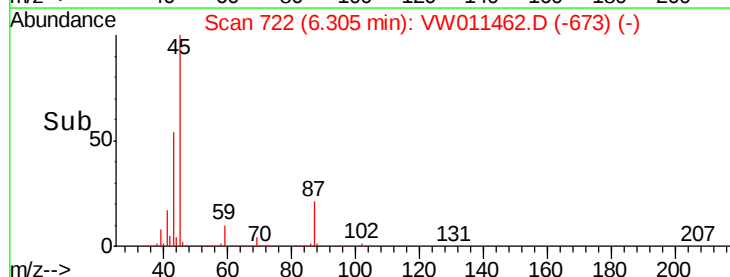
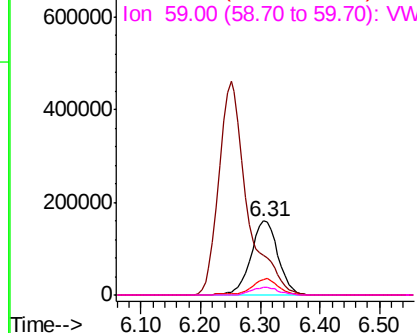
43 54.0 44.6 66.8

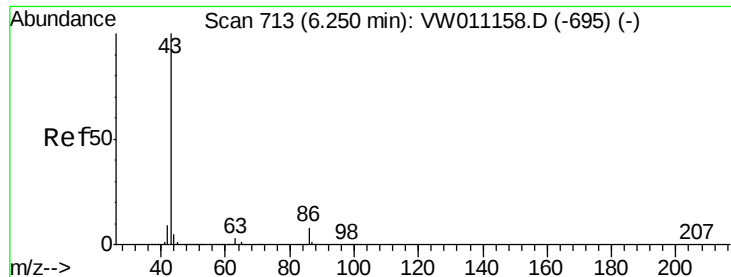
87 20.9 17.3 25.9

59 10.4 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: 255.418 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

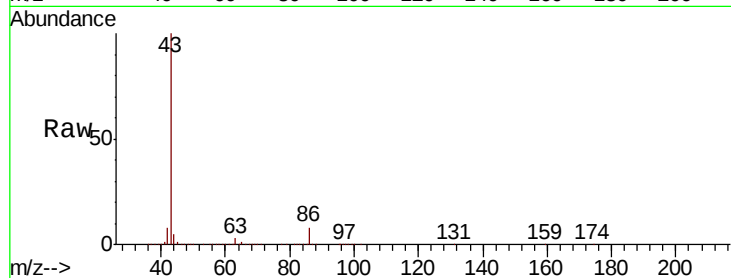
VSTDCCC050EC

Tot Ion: 43 Resp: 1521357

Ion Ratio Lower Upper

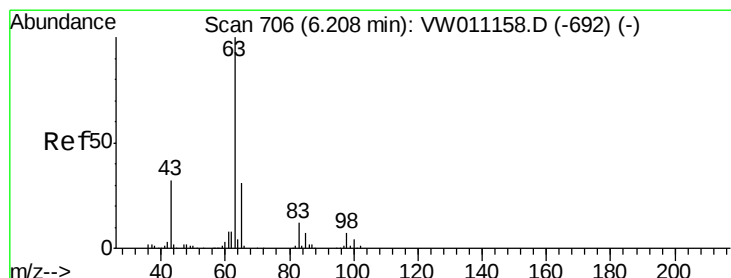
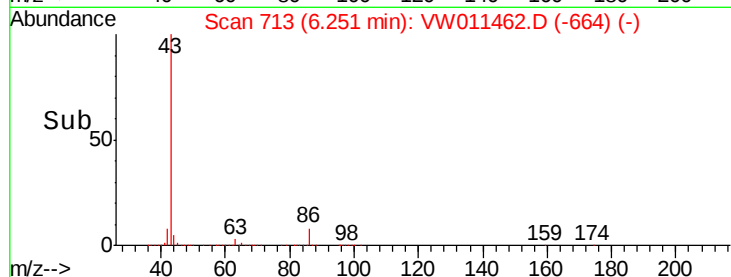
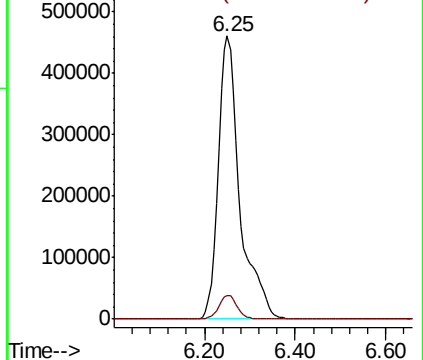
43 100

86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 51.638 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

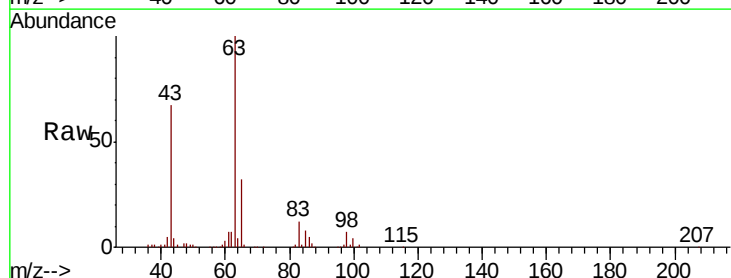
Tgt Ion: 63 Resp: 260975

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

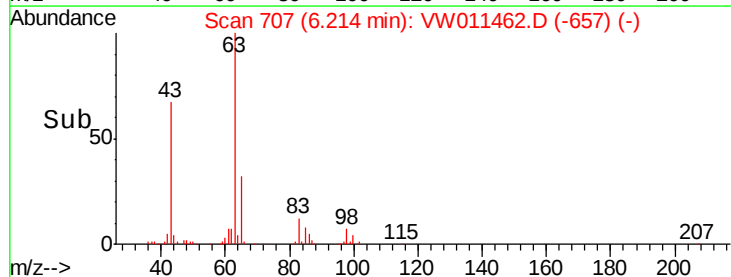
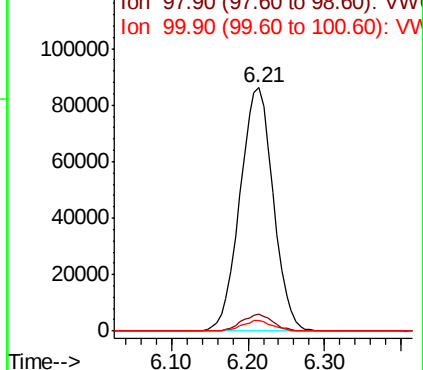
100 4.1 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 243.592 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

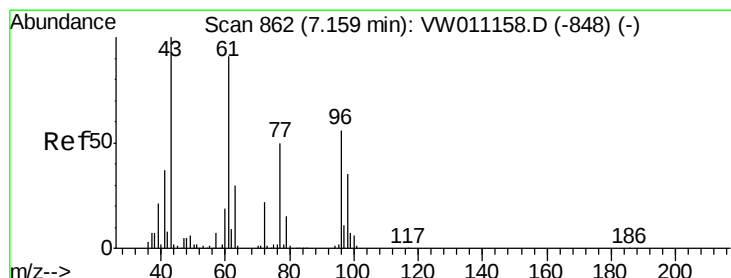
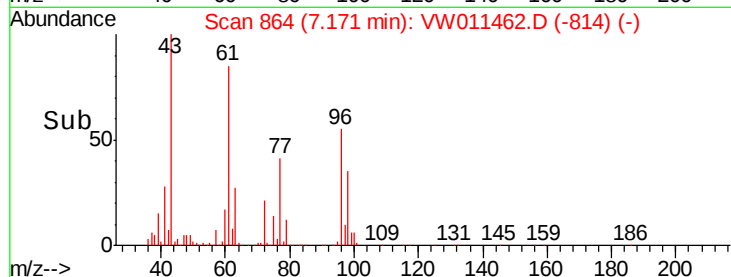
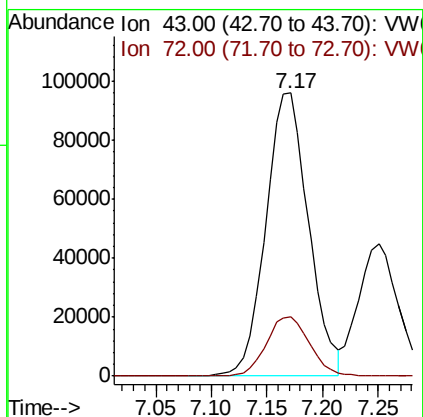
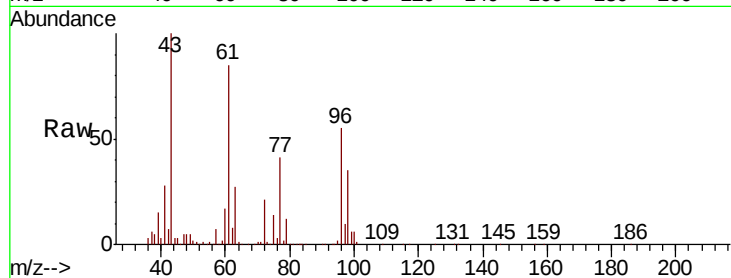
VSTDCCC050EC

Tot Ion: 43 Resp: 255368

Ion Ratio Lower Upper

43 100

72 21.1 17.6 26.4



#26

2,2-Dichloropropane

Concen: 48.715 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011462.D

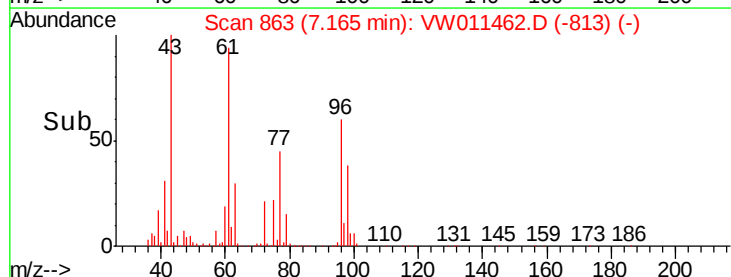
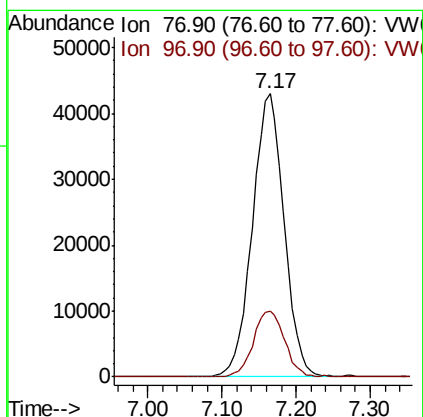
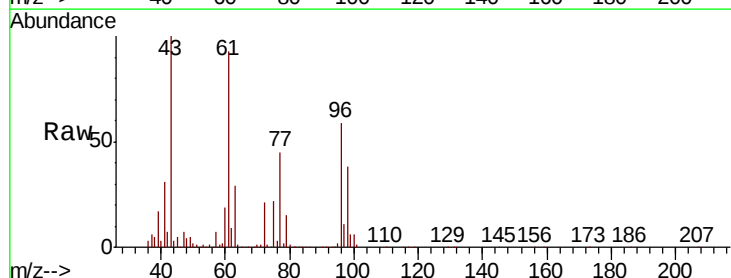
Acq: 24 Jul 2019 05:16

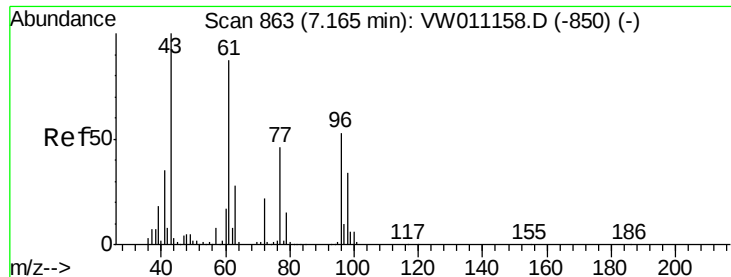
Tgt Ion: 77 Resp: 127980

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5



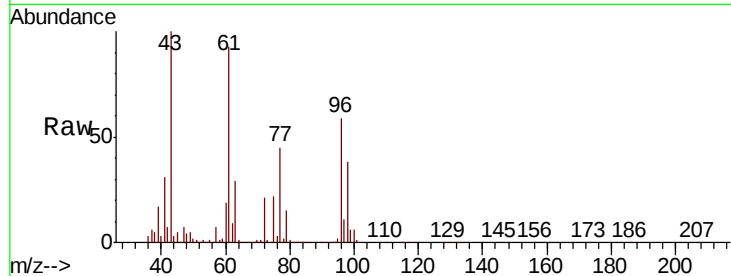


#27

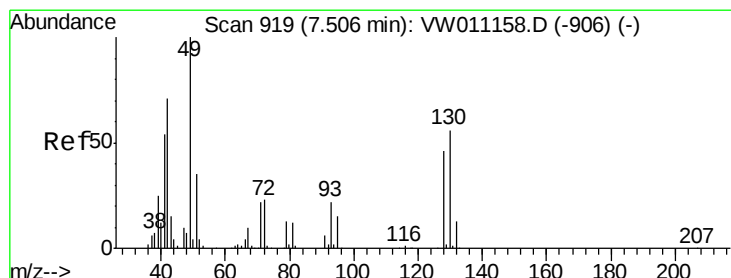
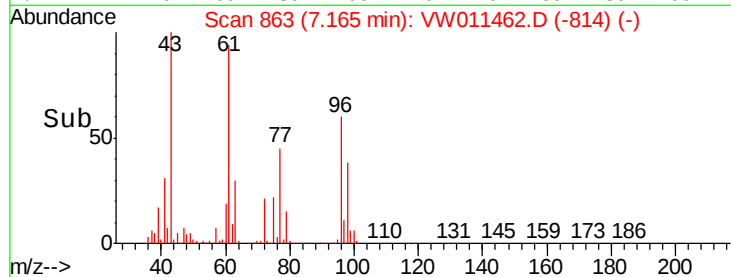
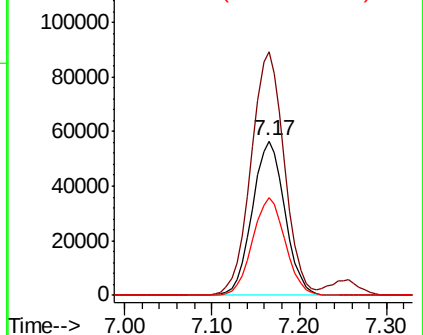
cis-1,2-Dichloroethene
Concen: 53.469 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 147069
Ion Ratio Lower Upper
96 100
61 160.3 0.0 325.6
98 63.4 0.0 128.2



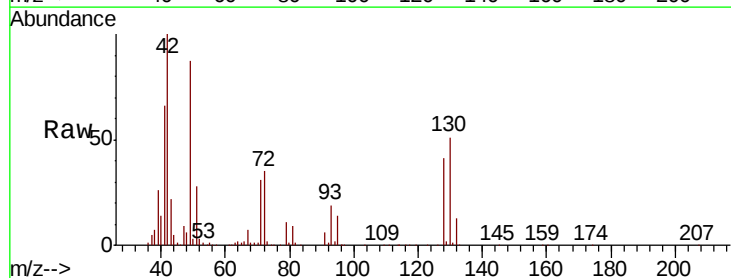
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



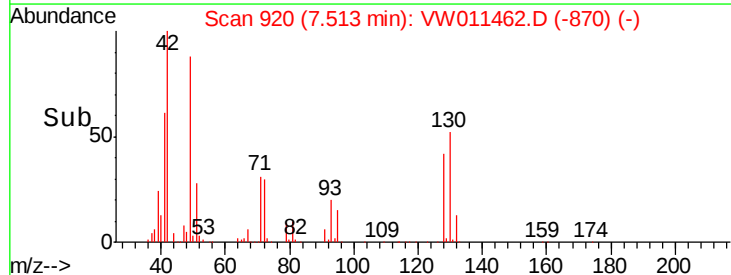
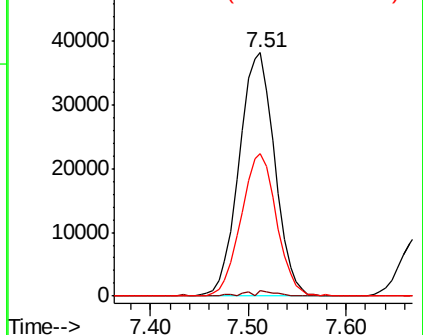
#28

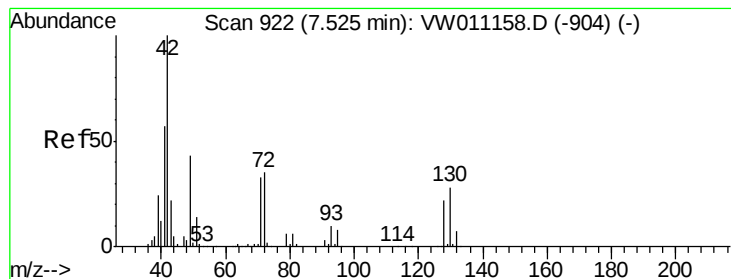
Bromochloromethane
Concen: 42.053 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 49 Resp: 96639
Ion Ratio Lower Upper
49 100
129 1.1 0.0 1.4
130 58.0 45.8 68.8



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 243.456 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

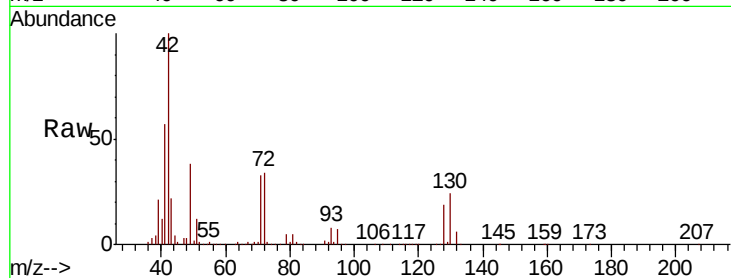
Tot Ion: 42 Resp: 167354

Ion Ratio Lower Upper

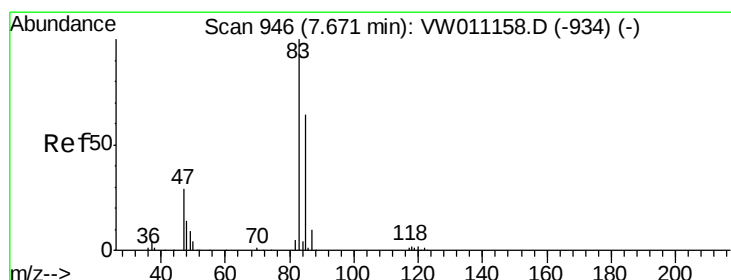
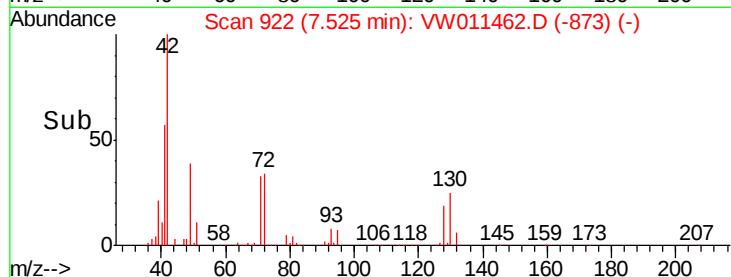
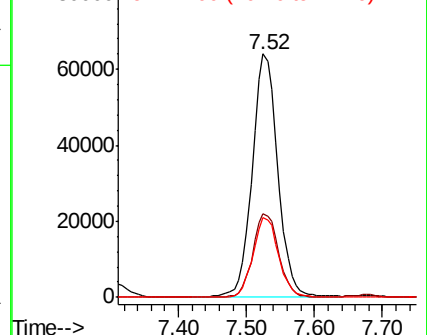
42 100

72 35.0 27.4 41.2

71 32.5 25.9 38.9



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



#30

Chloroform

Concen: 51.425 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011462.D

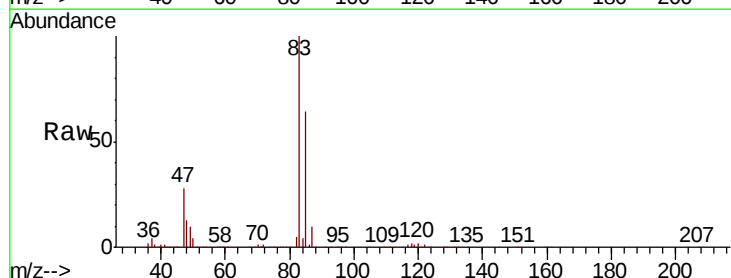
Acq: 24 Jul 2019 05:16

Tgt Ion: 83 Resp: 240692

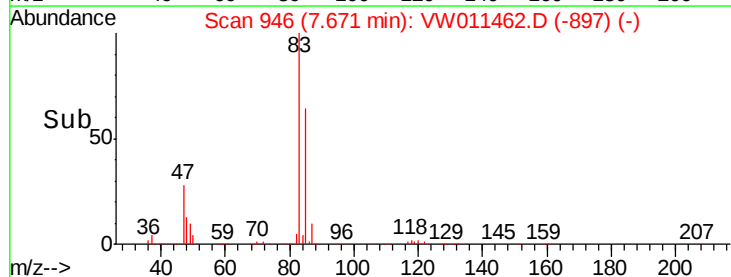
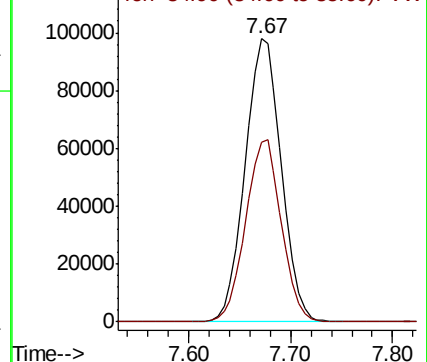
Ion Ratio Lower Upper

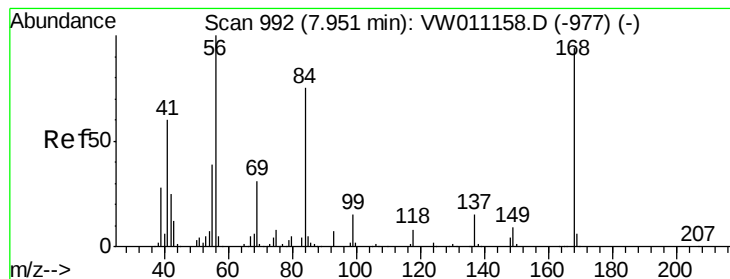
83 100

85 63.7 51.4 77.2



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





#31

Cyclohexane

Concen: 45.312 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

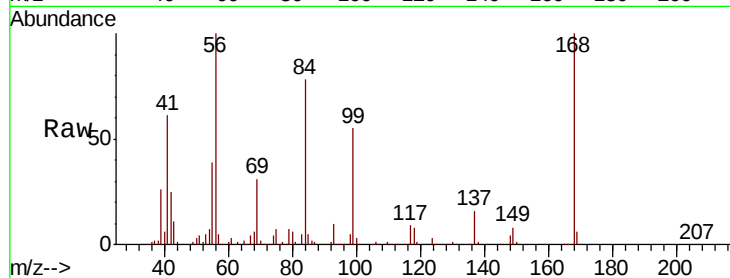
Tot Ion: 56 Resp: 243628

Ion Ratio Lower Upper

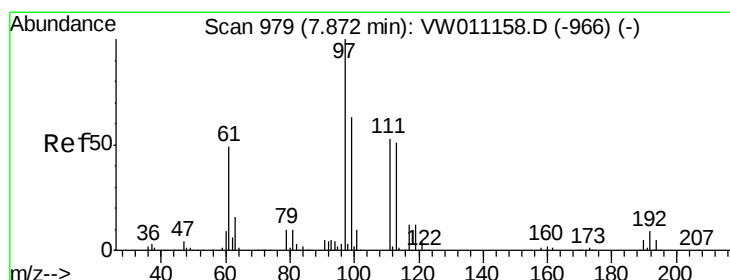
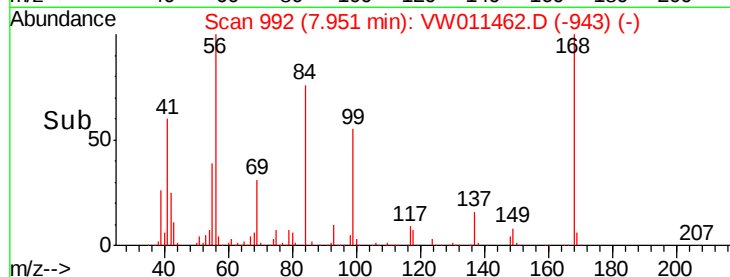
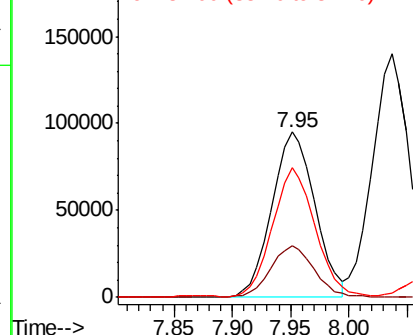
56 100

69 30.8 24.6 36.8

84 77.0 60.1 90.1



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



#32

1,1,1-Trichloroethane

Concen: 51.298 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

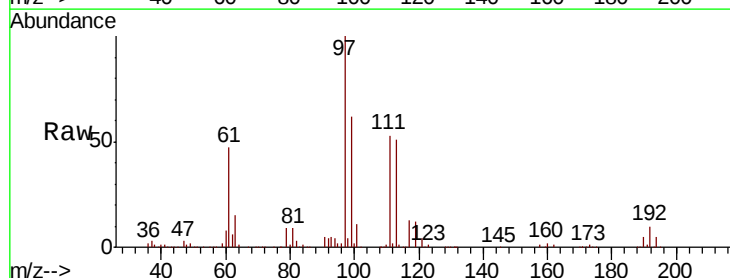
Tgt Ion: 97 Resp: 182644

Ion Ratio Lower Upper

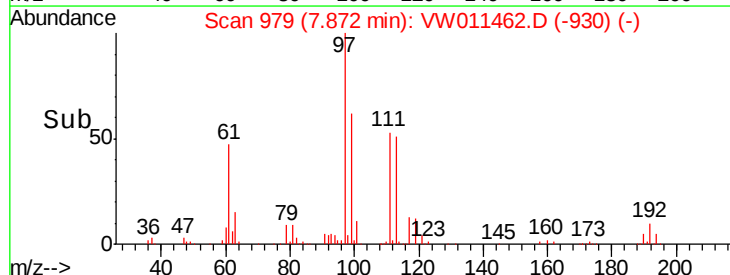
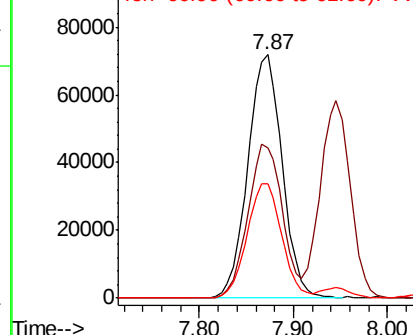
97 100

99 63.9 51.0 76.4

61 47.7 40.4 60.6



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

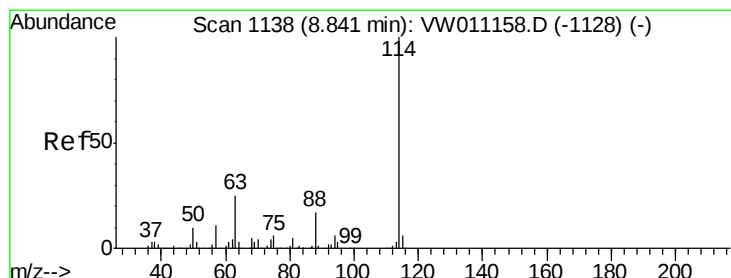
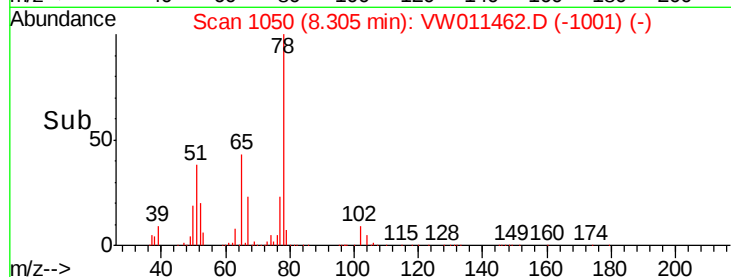
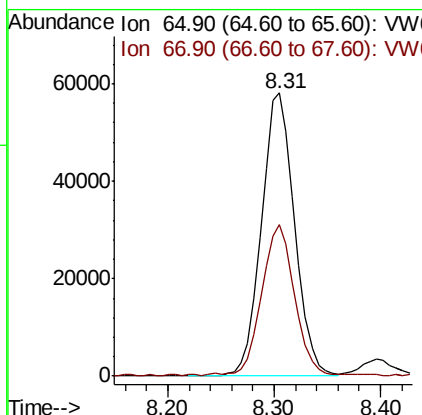
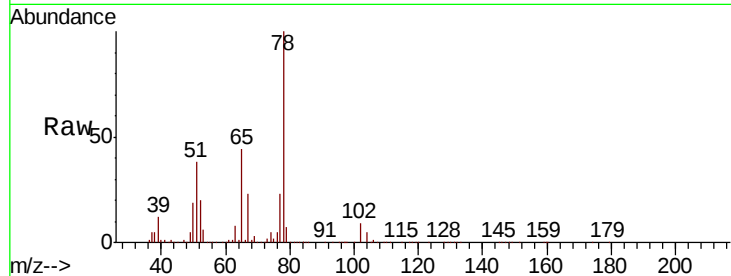




#33
 1,2-Dichloroethane-d4
 Concen: 45.463 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

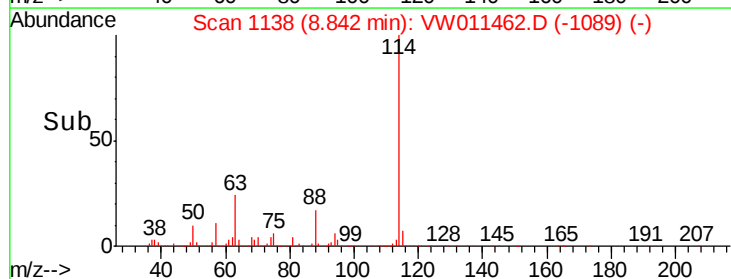
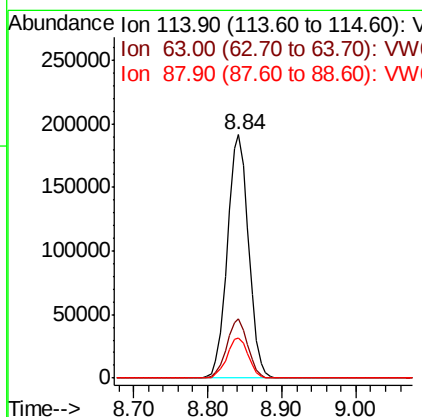
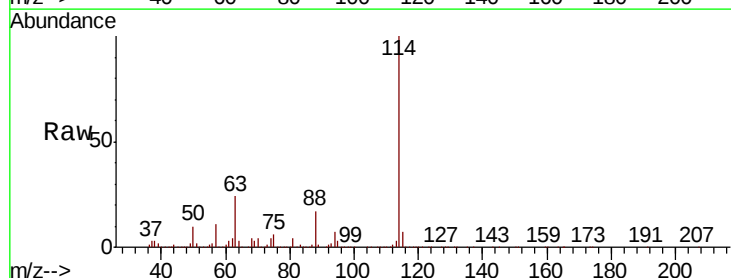
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

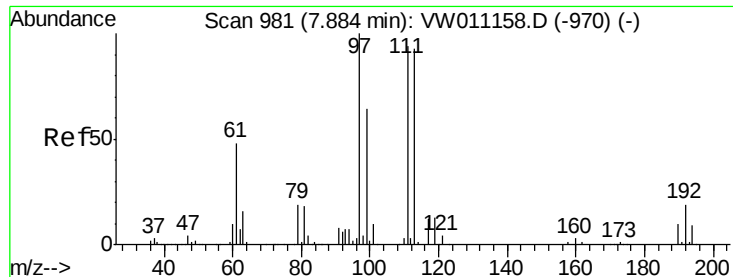
Tot Ion: 65 Resp: 126187
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion: 114 Resp: 380794
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.8
 88 16.5 0.0 34.2

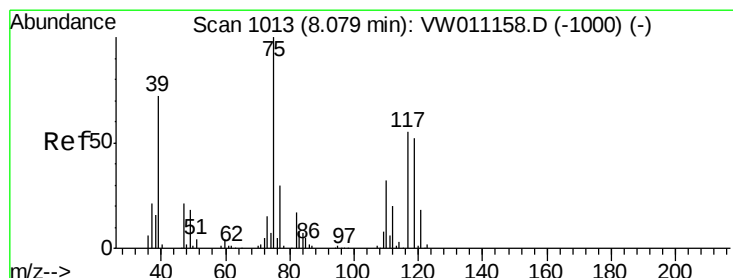
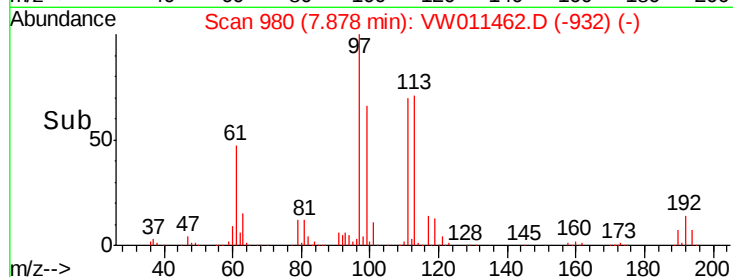
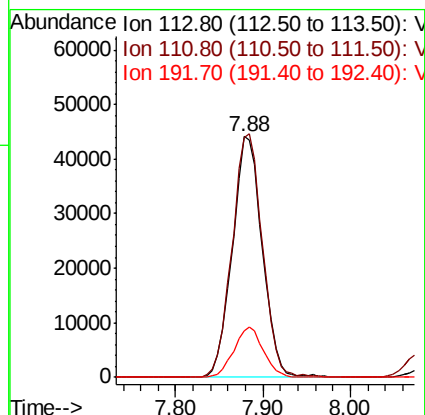
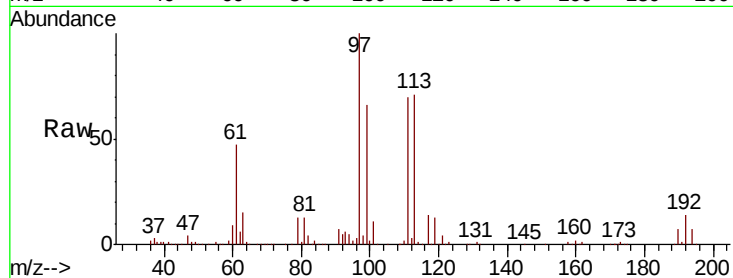




#35
 Dibromofluoromethane
 Concen: 46.175 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

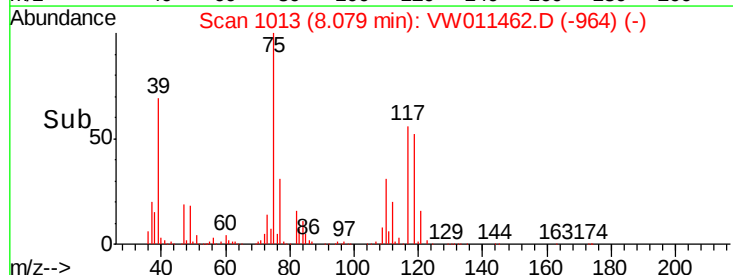
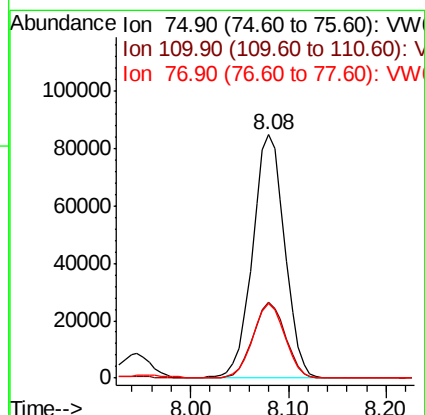
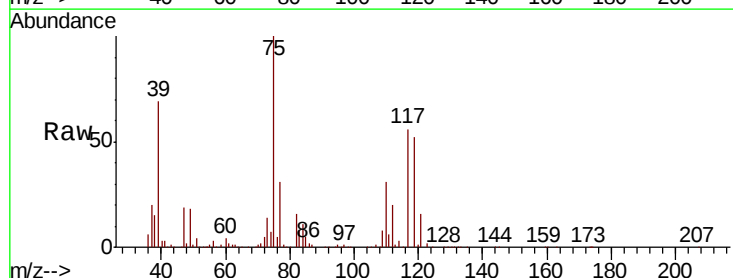
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

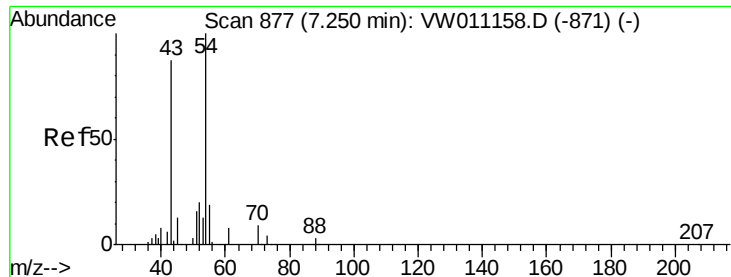
Tot Ion:113 Resp: 104803
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 20.4 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 47.491 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion: 75 Resp: 192582
 Ion Ratio Lower Upper
 75 100
 110 31.5 15.9 47.6
 77 30.6 24.6 36.8

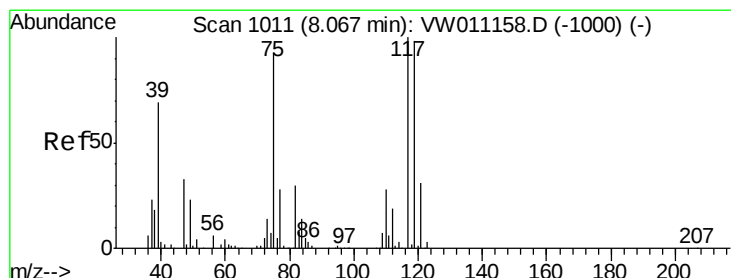
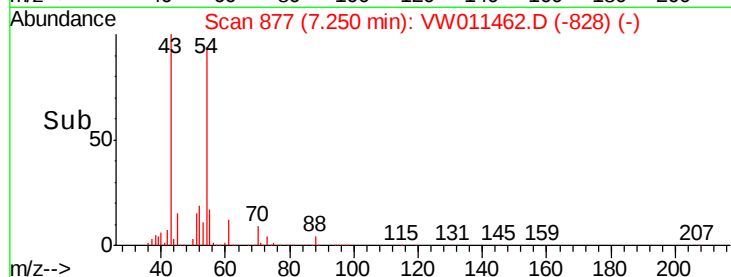
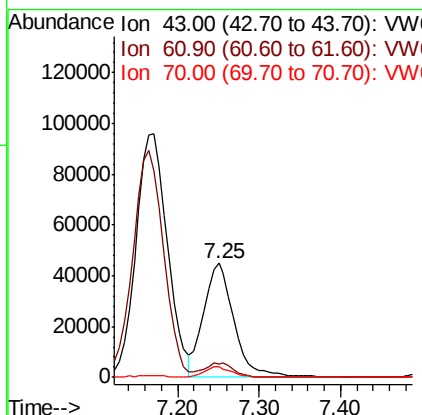
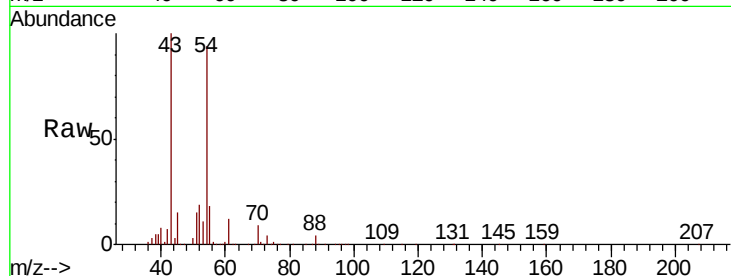




#37
Ethyl Acetate
Concen: 47.151 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

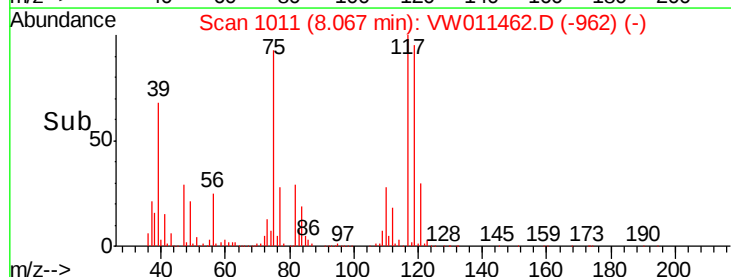
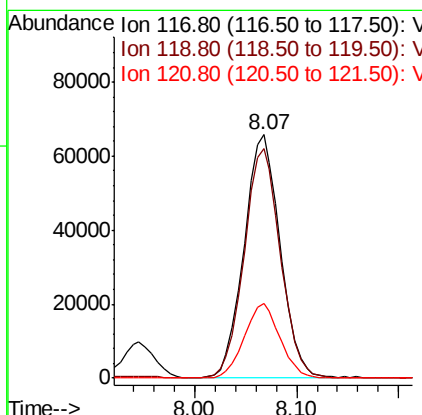
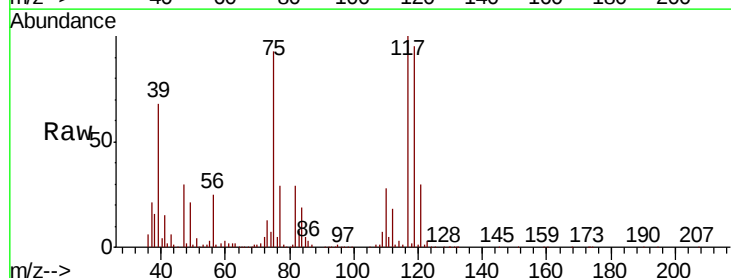
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

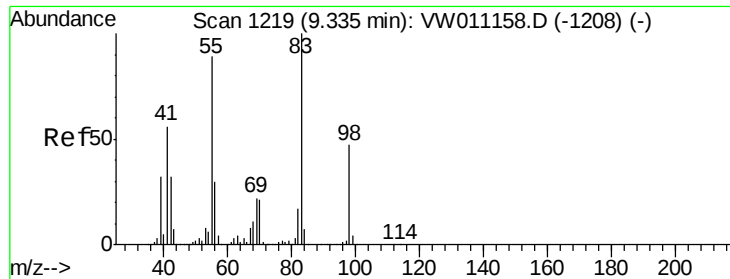
Tot Ion: 43 Resp: 114880
Ion Ratio Lower Upper
43 100
61 12.3 9.5 14.3
70 8.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 46.897 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 117 Resp: 161215
Ion Ratio Lower Upper
117 100
119 94.5 78.1 117.1
121 30.6 25.1 37.7

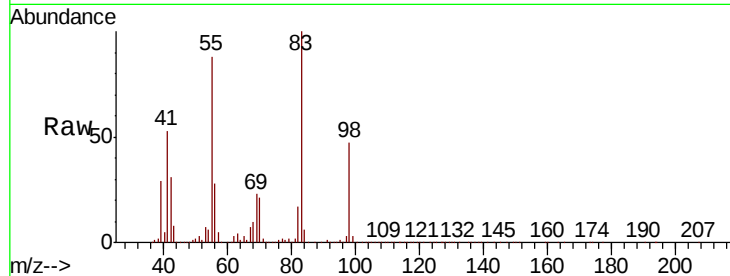




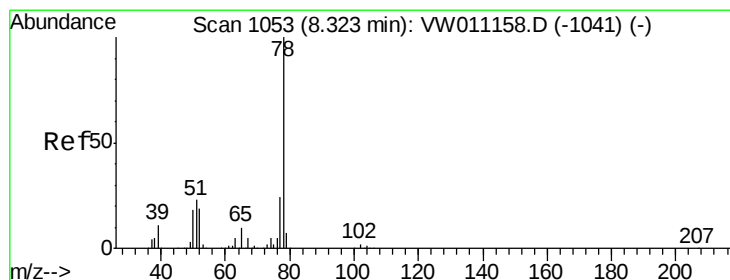
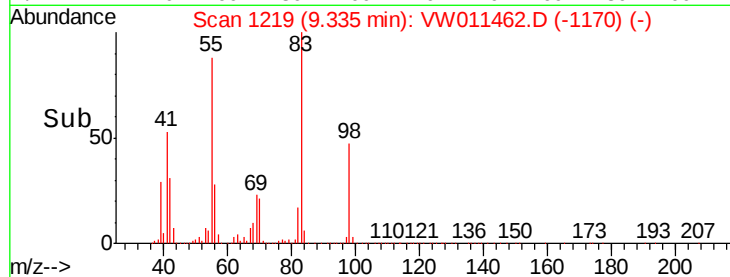
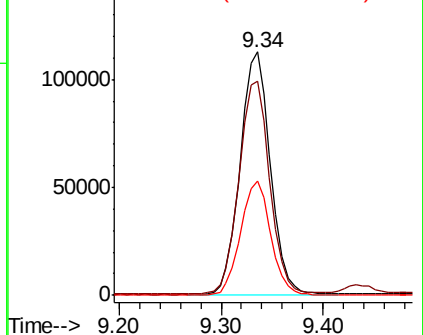
#39
Methvlcvclohexane
Concen: 46.902 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 230521
Ion Ratio Lower Upper
83 100
55 87.6 71.2 106.8
98 47.2 37.5 56.3

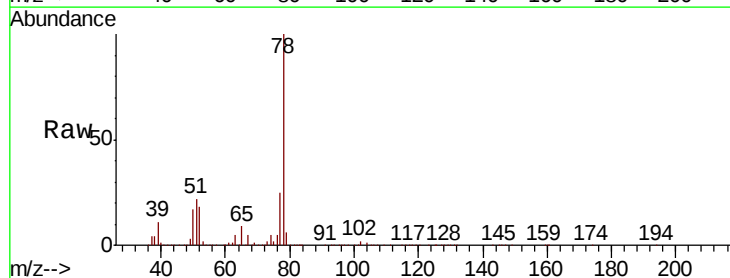


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

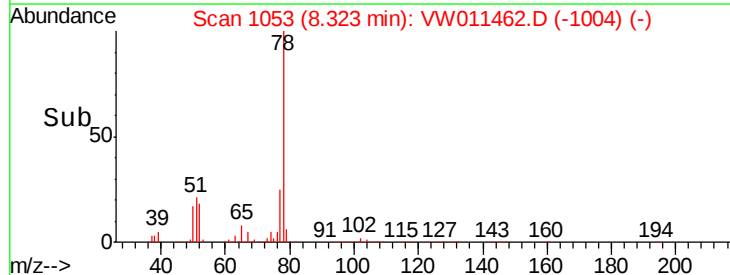
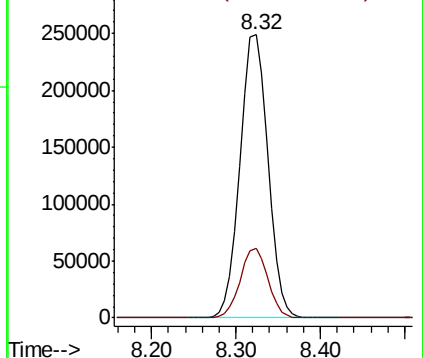


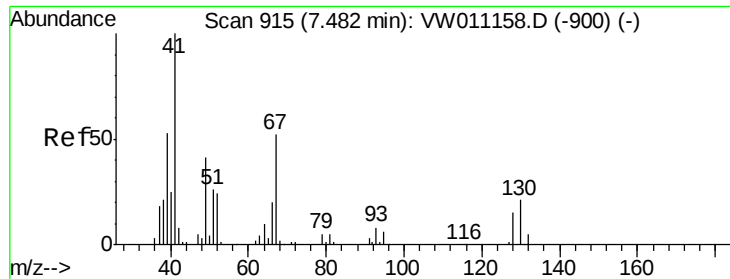
#40
Benzene
Concen: 49.581 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 78 Resp: 555640
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

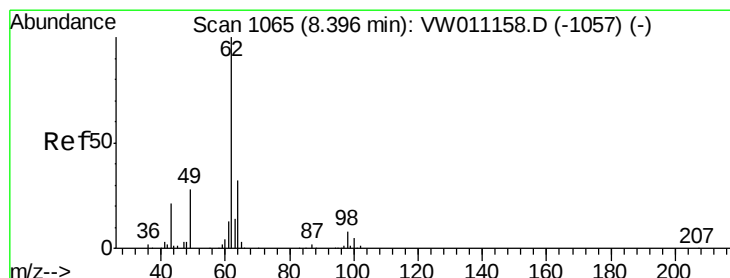
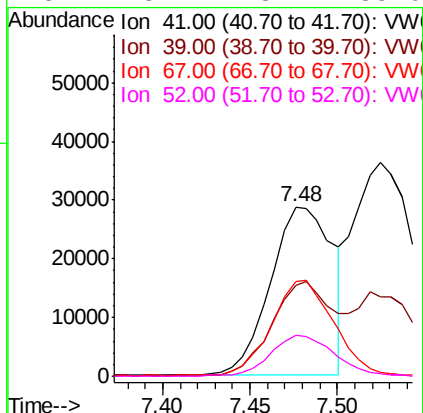
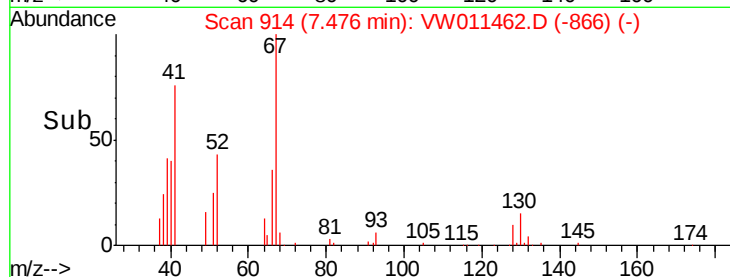
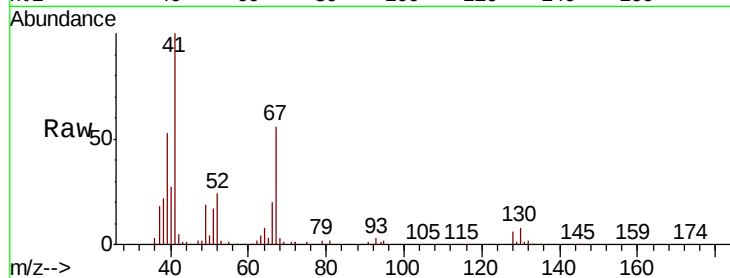




#41
Methacrylonitrile
Concen: 50.940 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

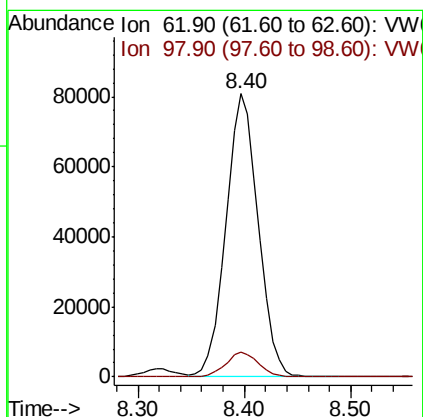
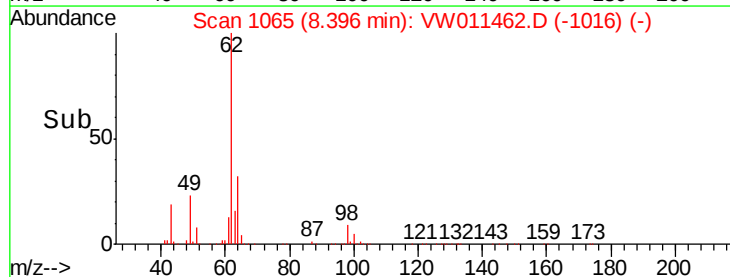
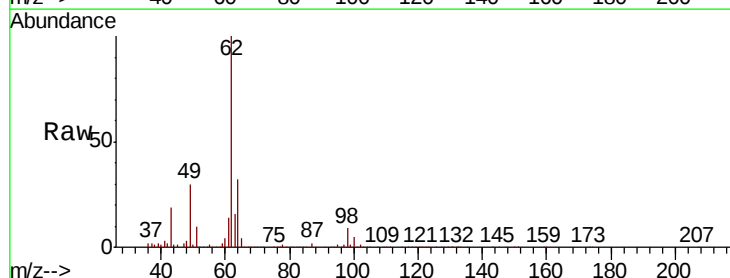
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

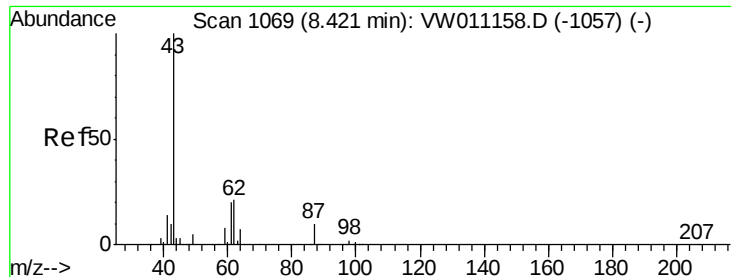
Tot Ion: 41 Resp: 70983
Ion Ratio Lower Upper
41 100
39 54.0 48.0 72.0
67 56.9 49.7 74.5
52 25.2 23.4 35.0



#42
1,2-Dichloroethane
Concen: 46.977 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 62 Resp: 170781
Ion Ratio Lower Upper
62 100
98 9.0 0.0 16.8





#43

Isopropyl Acetate

Concen: 48.459 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

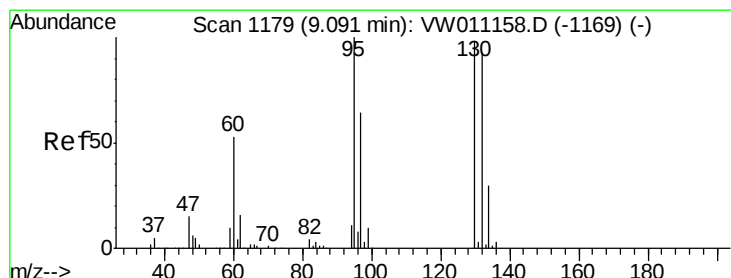
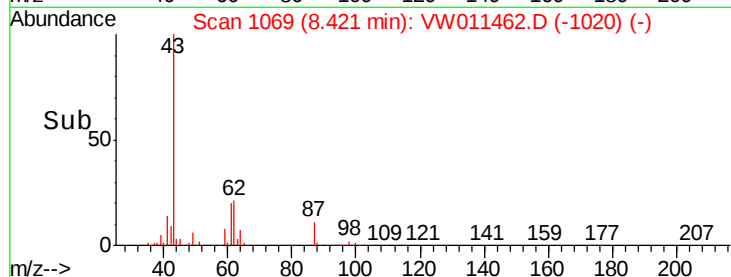
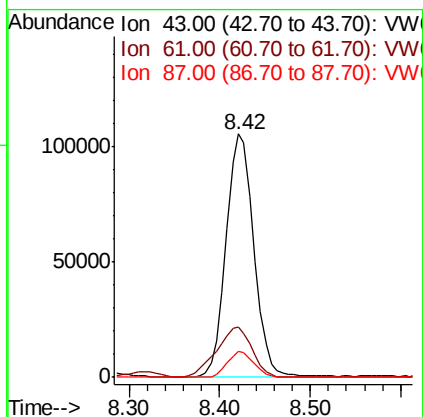
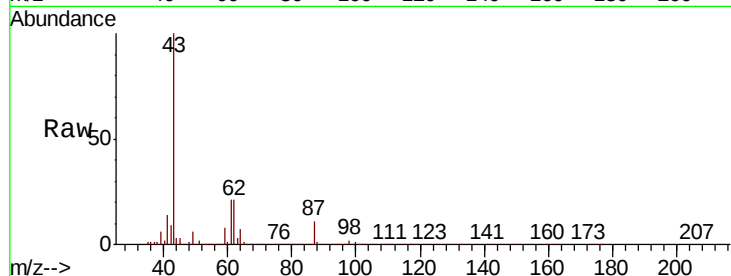
Tot Ion: 43 Resp: 222909

Ion Ratio Lower Upper

43 100

61 26.8 20.7 31.1

87 10.4 8.1 12.1



#44

Trichloroethene

Concen: 50.289 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011462.D

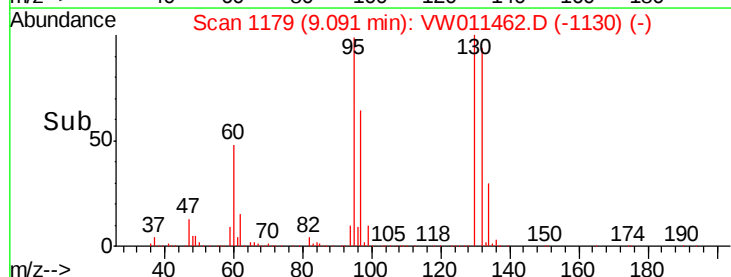
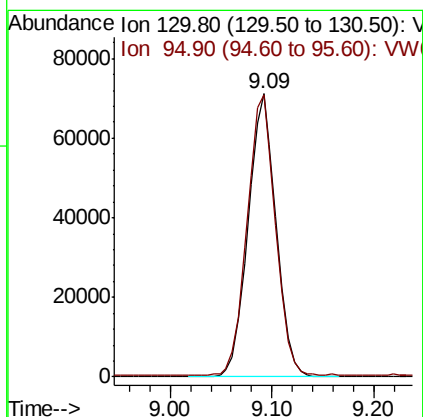
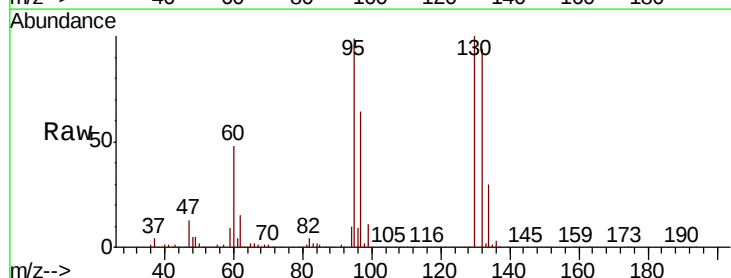
Acq: 24 Jul 2019 05:16

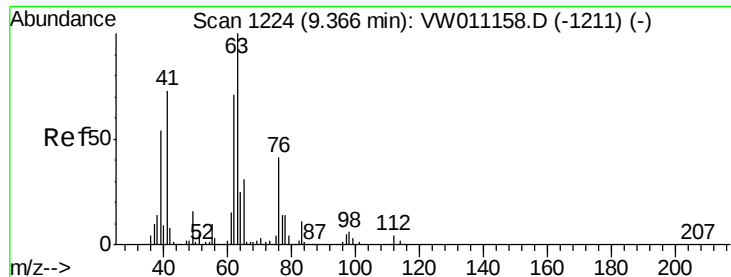
Tgt Ion:130 Resp: 135620

Ion Ratio Lower Upper

130 100

95 98.7 0.0 203.6





#45

1,2-Dichloropropane

Concen: 50.779 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

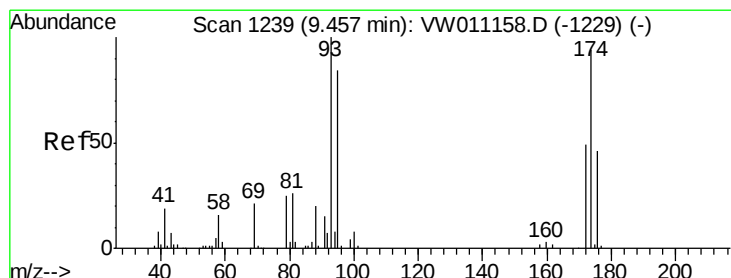
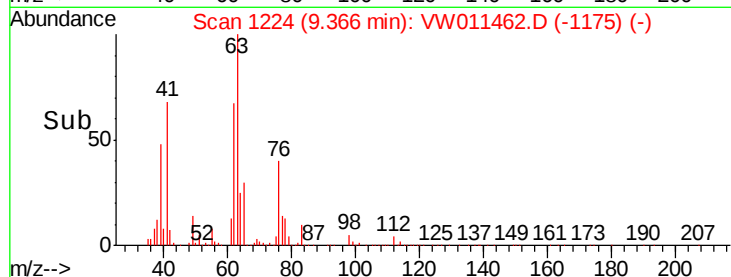
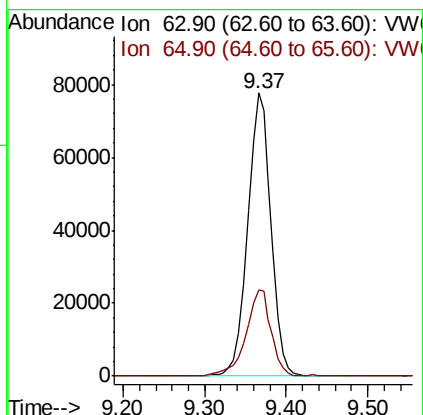
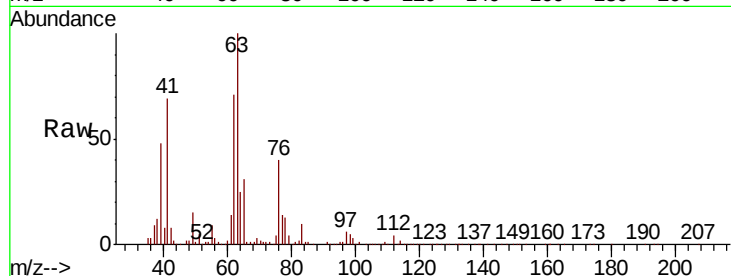
VSTDCCC050EC

Tot Ion: 63 Resp: 154101

Ion Ratio Lower Upper

63 100

65 30.4 24.4 36.6



#46

Dibromomethane

Concen: 48.069 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

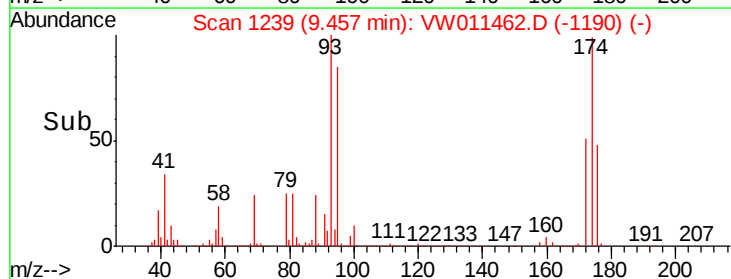
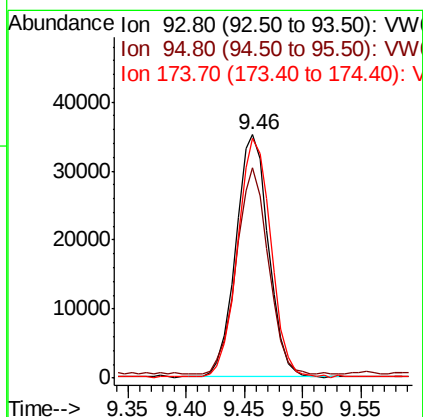
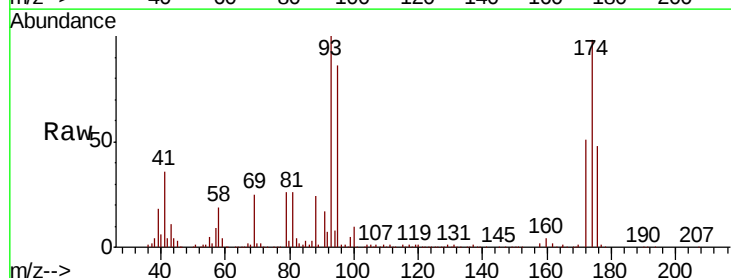
Tgt Ion: 93 Resp: 68526

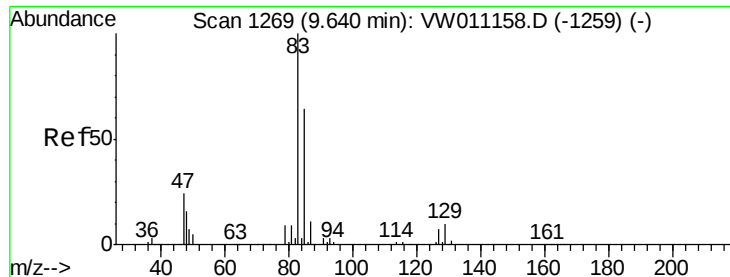
Ion Ratio Lower Upper

93 100

95 83.8 67.2 100.8

174 100.6 76.3 114.5

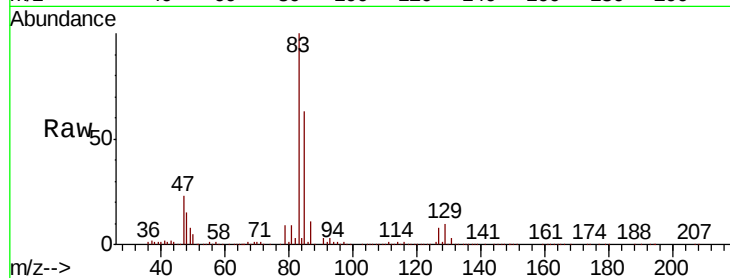




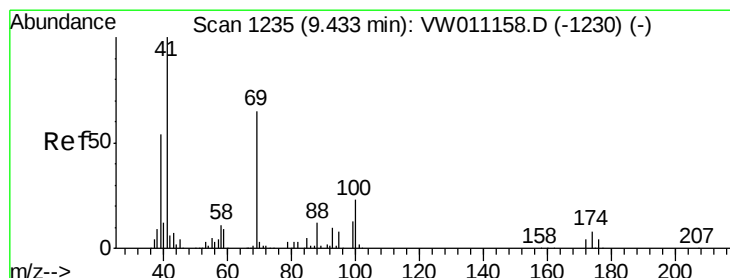
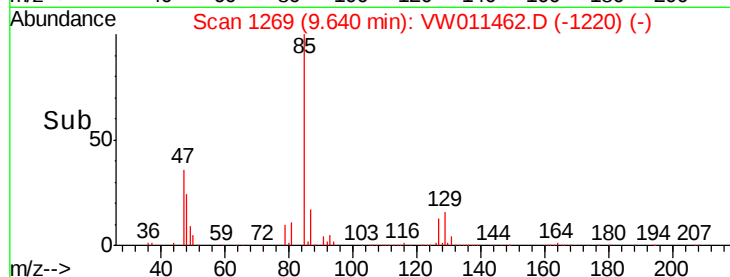
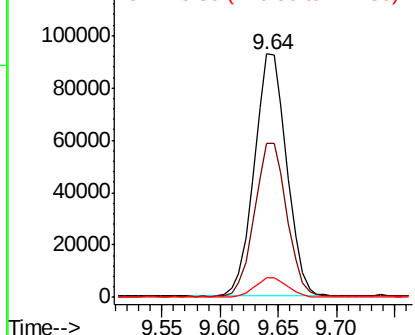
#47
Bromodichloromethane
Concen: 48.974 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 178637
Ion Ratio Lower Upper
83 100
85 63.1 51.0 76.4
127 7.9 6.0 9.0

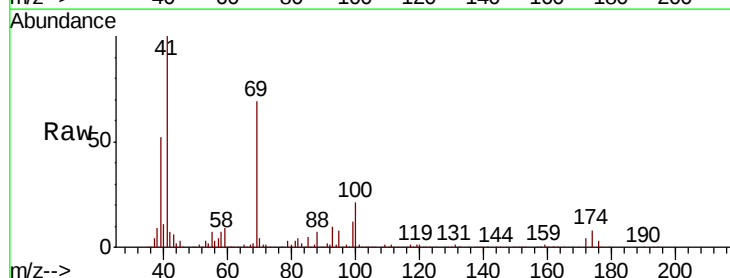


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

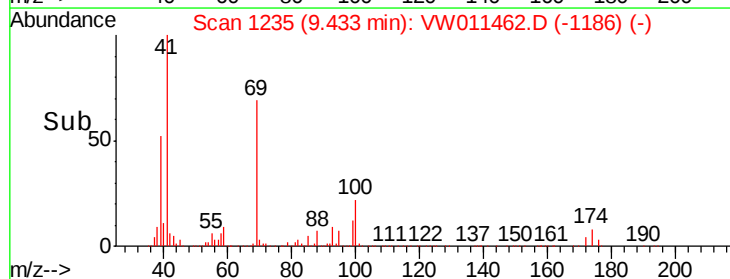
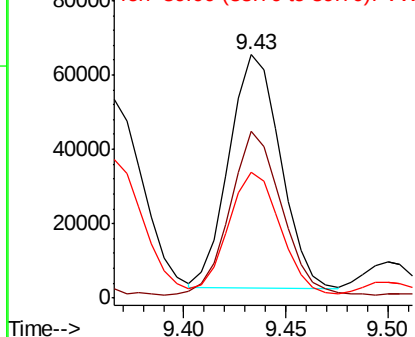


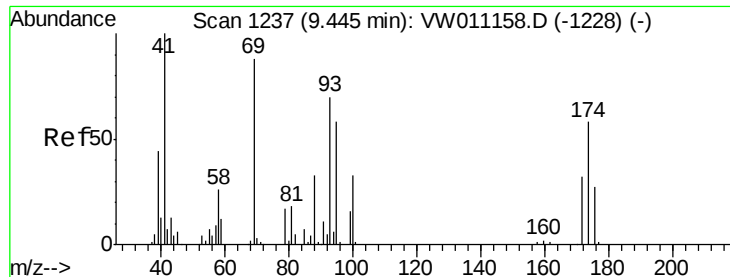
#48
Methyl methacrylate
Concen: 49.586 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 41 Resp: 109733
Ion Ratio Lower Upper
41 100
69 70.2 56.0 84.0
39 55.4 43.5 65.3



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: 907.197 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

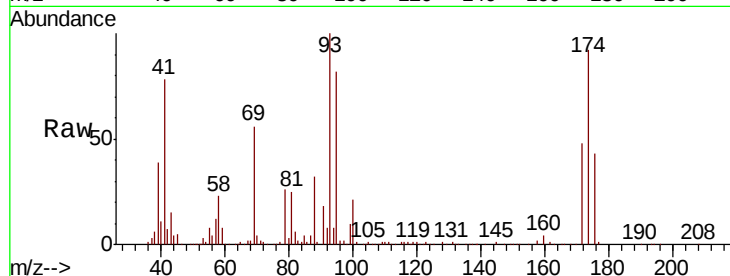
Tot Ion: 88 Resp: 21587

Ion Ratio Lower Upper

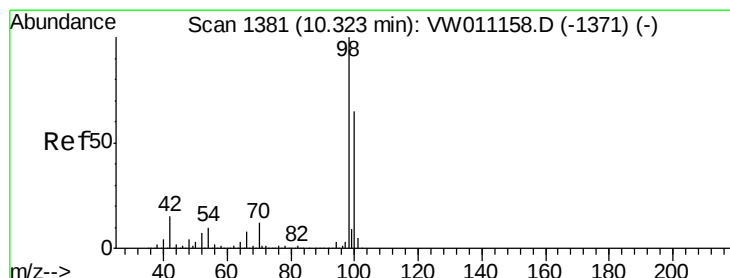
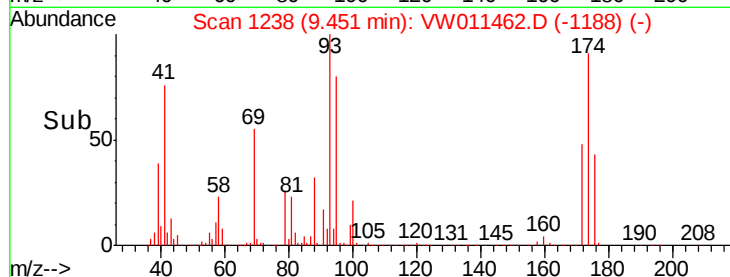
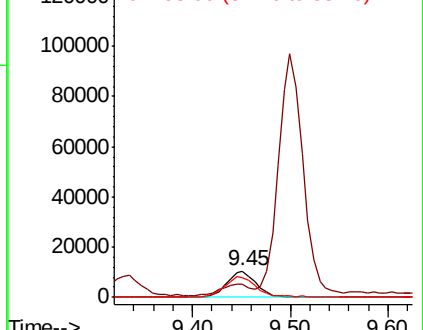
88 100

43 43.6 33.4 50.0

58 84.0 64.5 96.7



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: 45.649 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011462.D

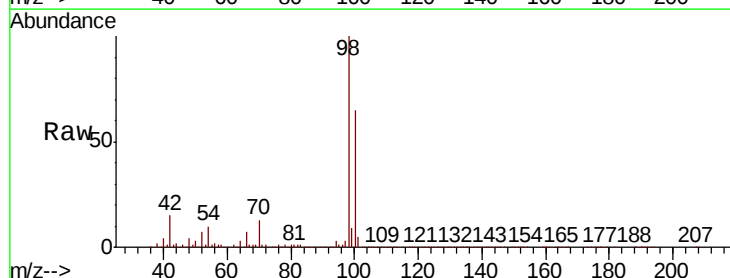
Acq: 24 Jul 2019 05:16

Tgt Ion: 98 Resp: 418807

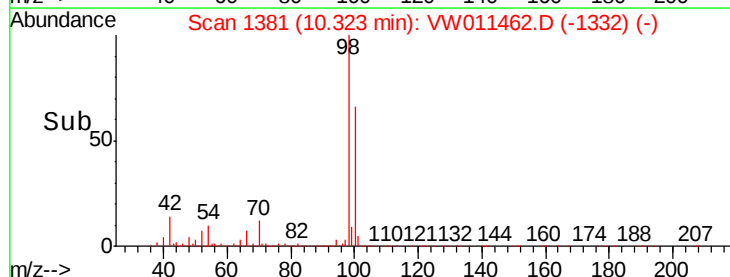
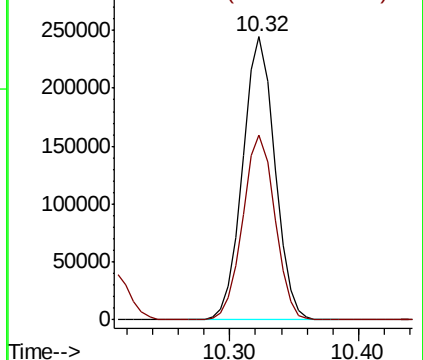
Ion Ratio Lower Upper

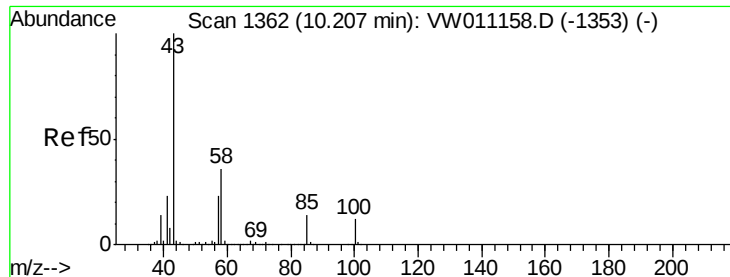
98 100

100 65.7 52.4 78.6



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: 239.748 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

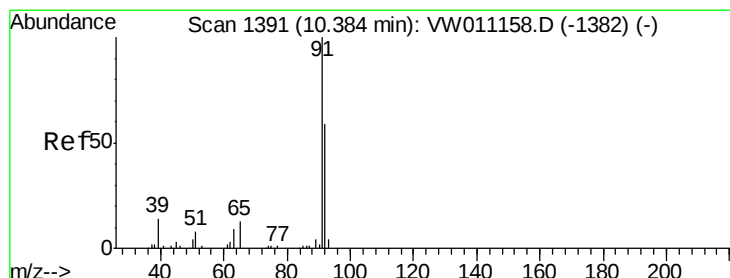
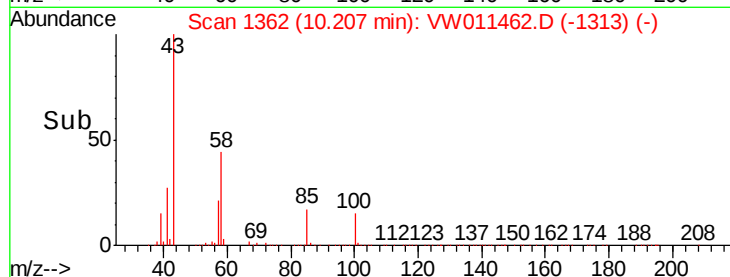
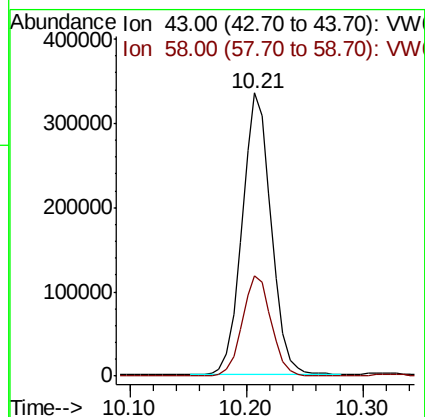
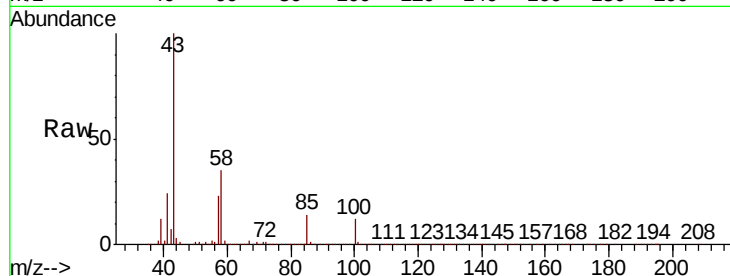
VSTDCCC050EC

Tot Ion: 43 Resp: 576084

Ion Ratio Lower Upper

43 100

58 35.7 28.2 42.2



#52

Toluene

Concen: 49.802 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011462.D

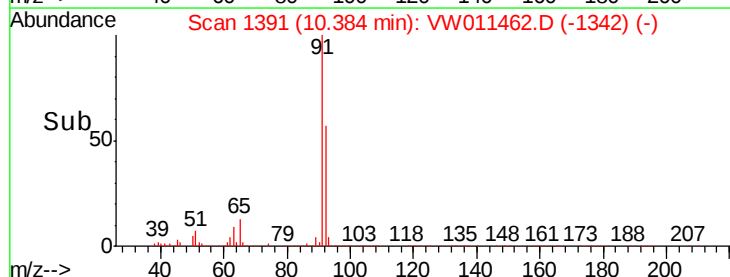
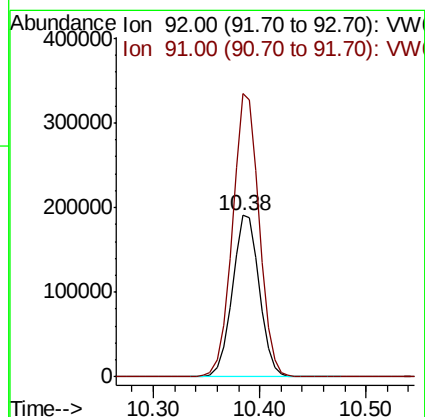
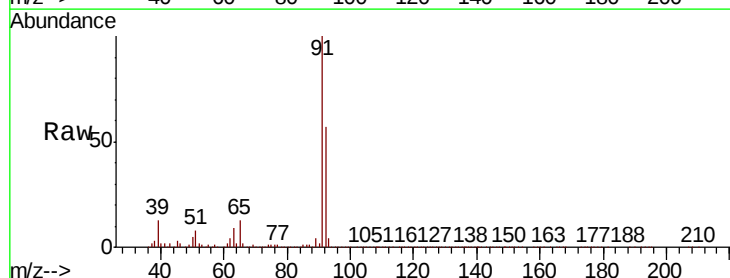
Acq: 24 Jul 2019 05:16

Tgt Ion: 92 Resp: 338563

Ion Ratio Lower Upper

92 100

91 172.6 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 47.689 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

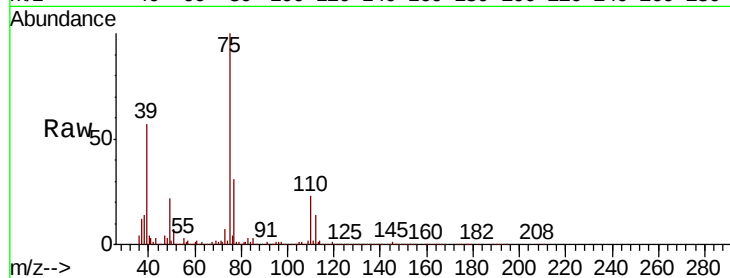
VSTDCCC050EC

Tot Ion: 75 Resp: 185158

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

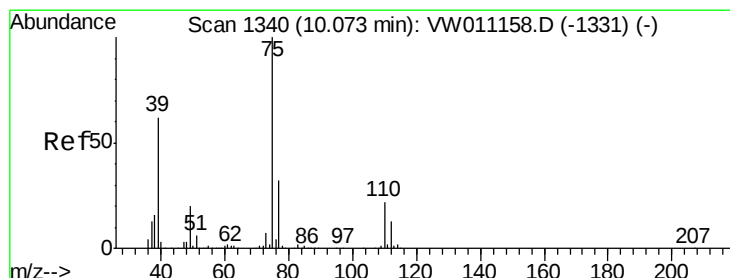
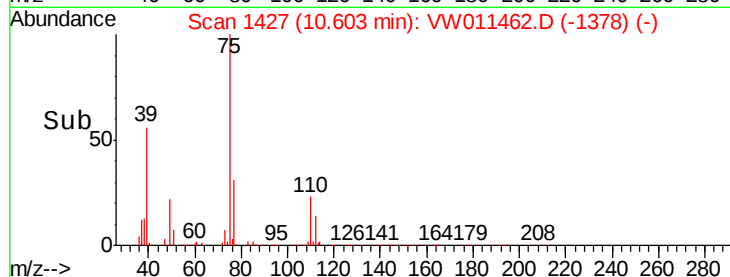
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 48.537 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

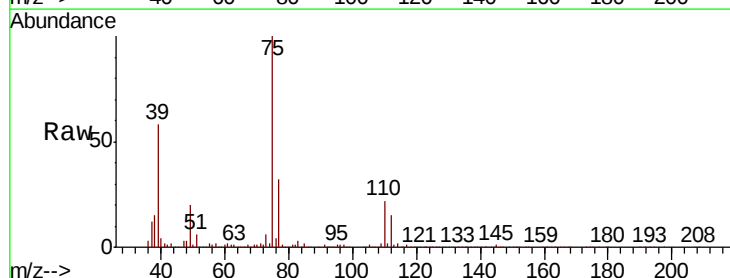
Tgt Ion: 75 Resp: 221816

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 57.2 49.8 74.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

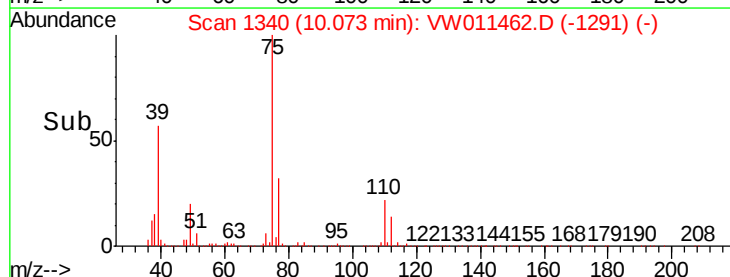
150000

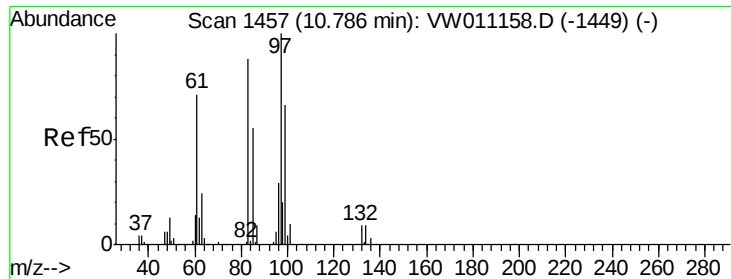
100000

50000

0

Time--> 10.00 10.10

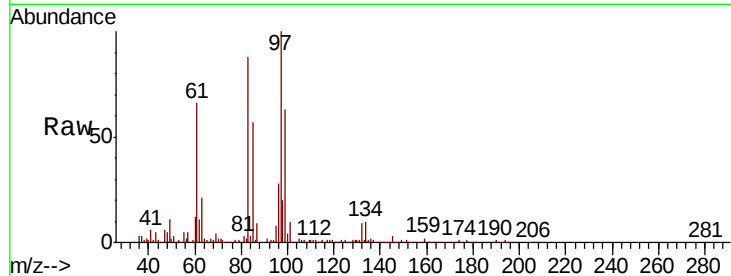




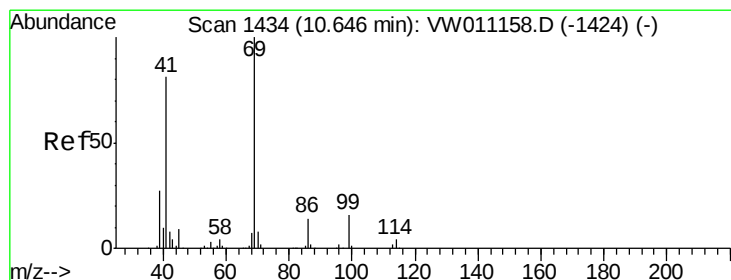
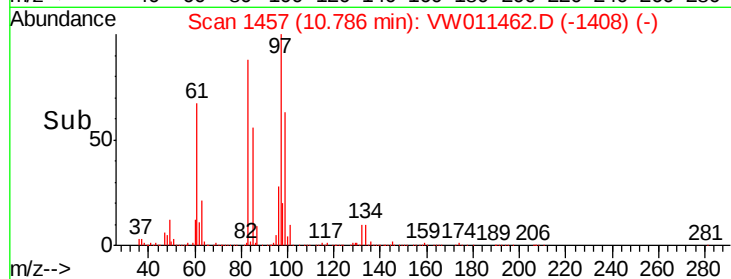
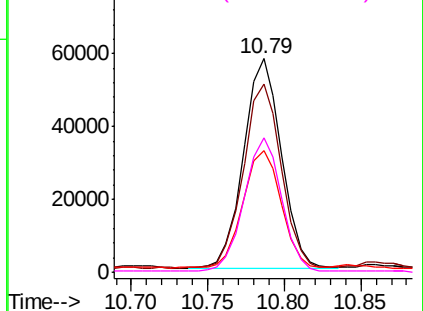
#55
 1,1,2-Trichloroethane
 Concen: 49.011 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 99119
 Ion Ratio Lower Upper
 97 100
 83 87.5 70.2 105.4
 85 55.2 44.2 66.2
 99 63.2 52.6 79.0

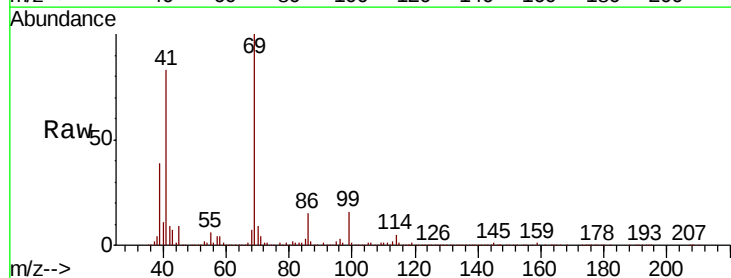


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

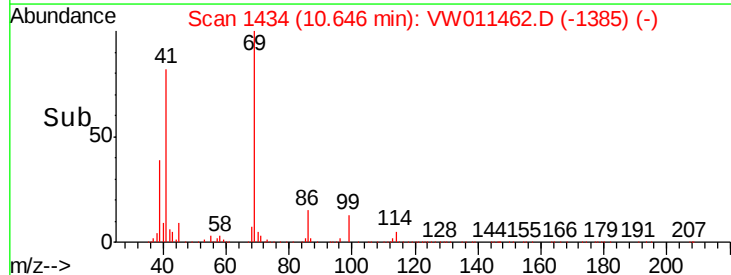
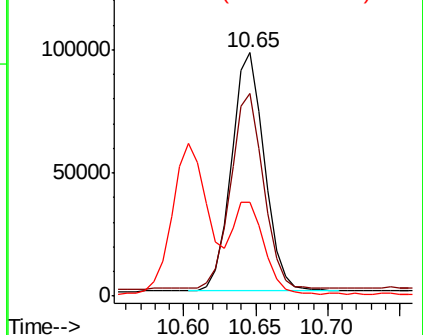


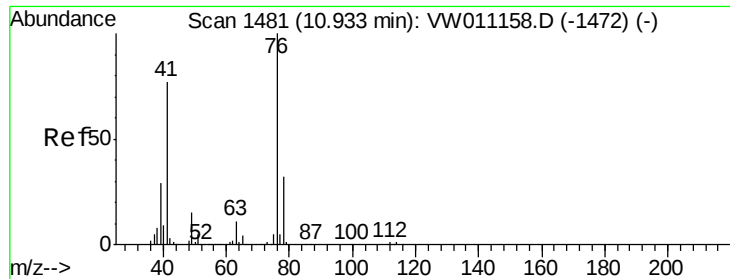
#56
 Ethyl methacrylate
 Concen: 50.269 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion: 69 Resp: 154781
 Ion Ratio Lower Upper
 69 100
 41 83.6 66.5 99.7
 39 36.3 32.5 48.7



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

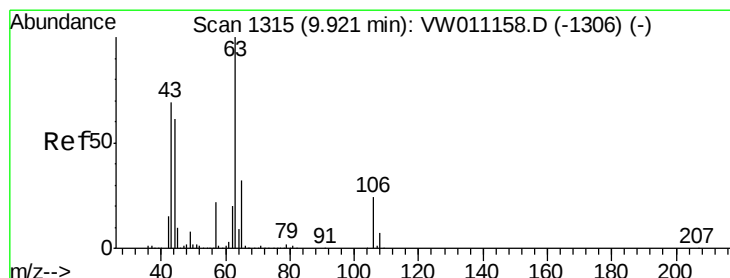
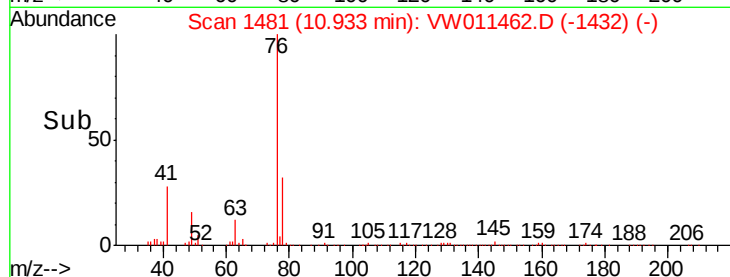
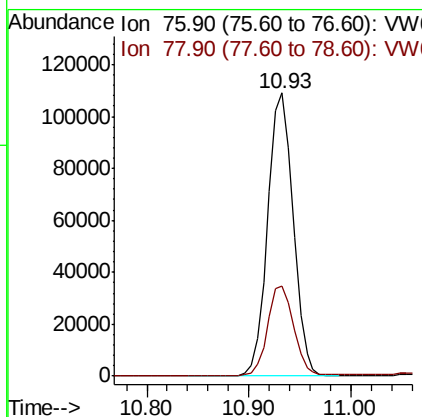
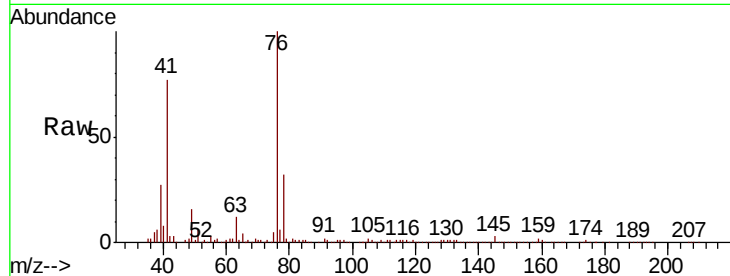




#57
 1,3-Dichloropropane
 Concen: 49.228 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

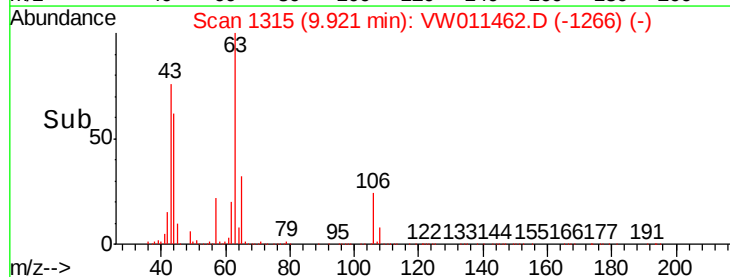
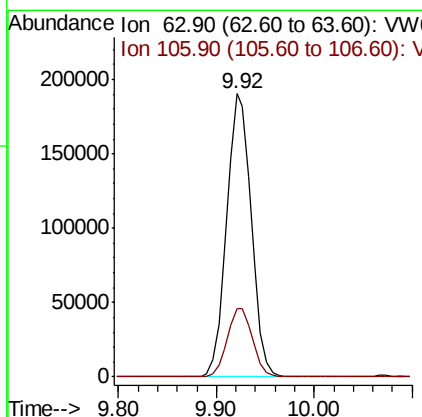
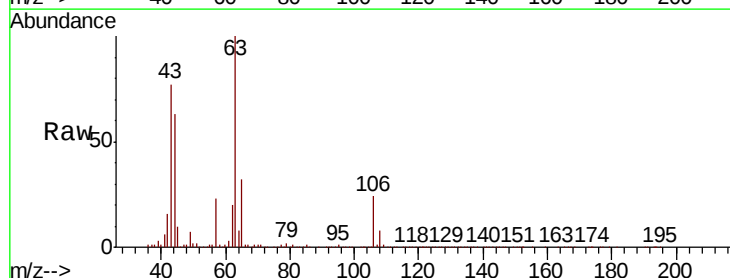
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

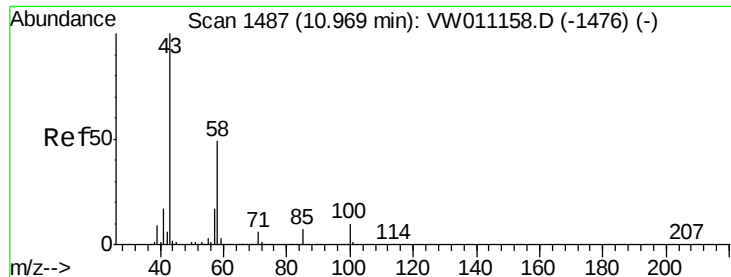
Tot Ion: 76 Resp: 188266
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.199 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion: 63 Resp: 331452
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0

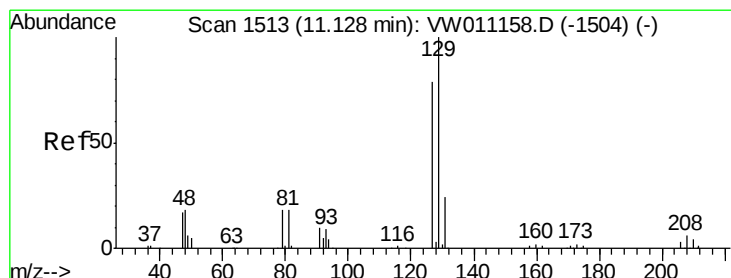
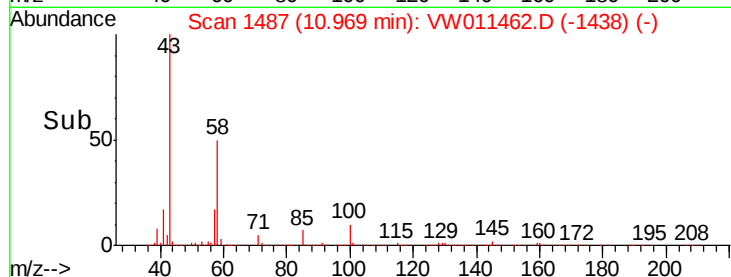
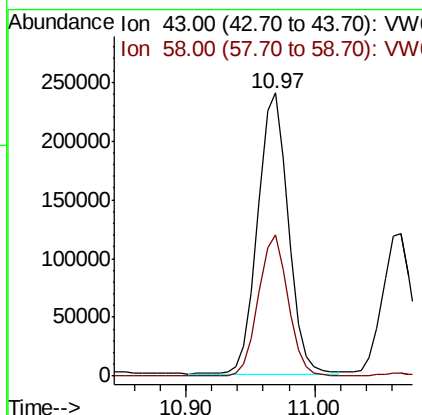
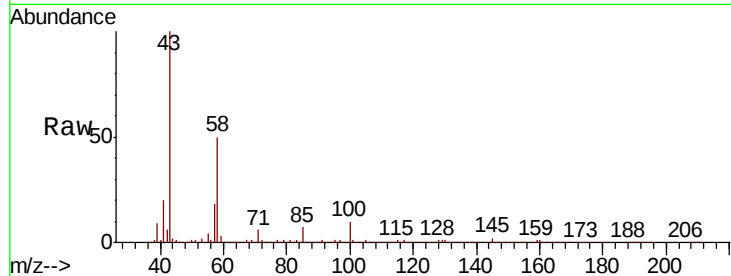




#59
2-Hexanone
Concen: 233.259 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

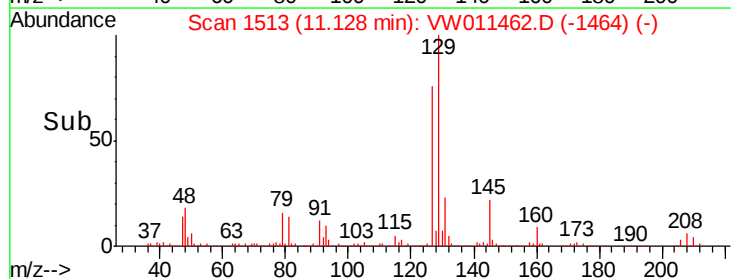
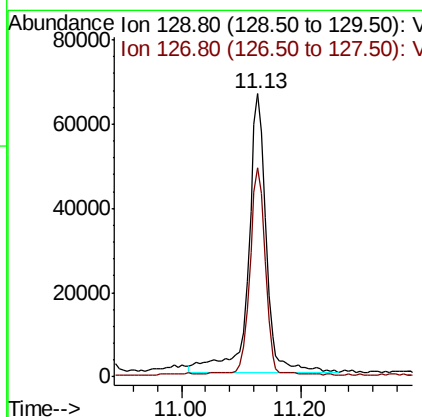
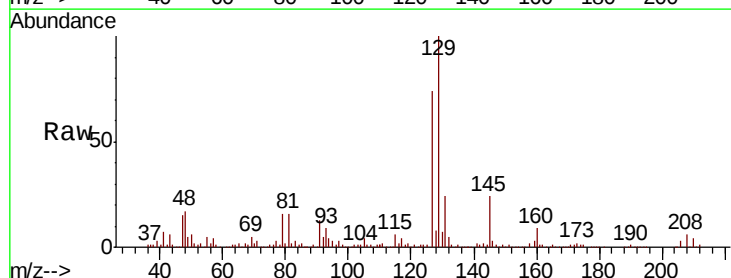
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

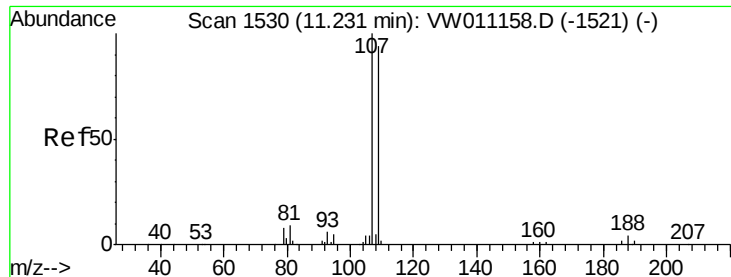
Tot Ion: 43 Resp: 388701
Ion Ratio Lower Upper
43 100
58 49.3 24.4 73.4



#60
Dibromochloromethane
Concen: 61.894 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 129 Resp: 137261
Ion Ratio Lower Upper
129 100
127 64.4 39.1 117.3

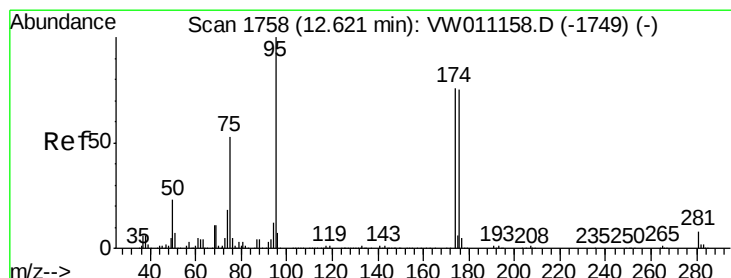
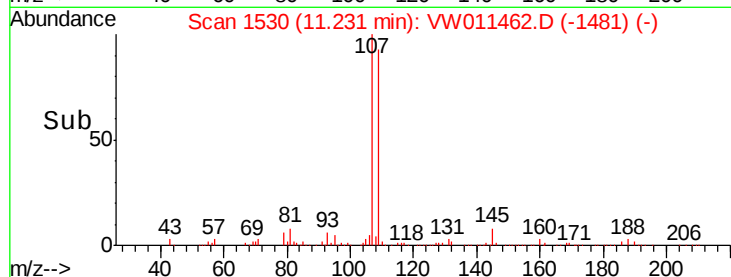
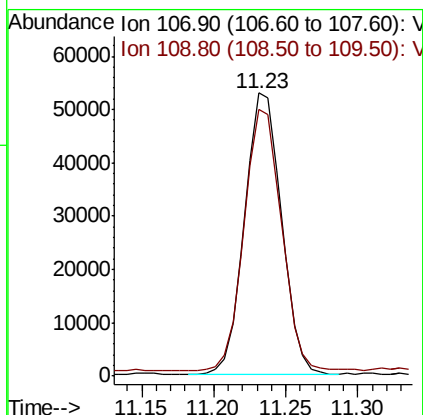
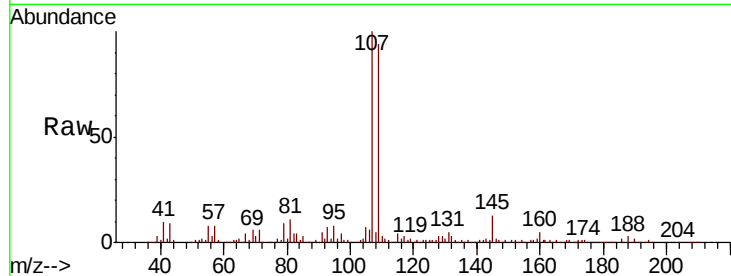




#61
 1,2-Dibromoethane
 Concen: 48.709 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

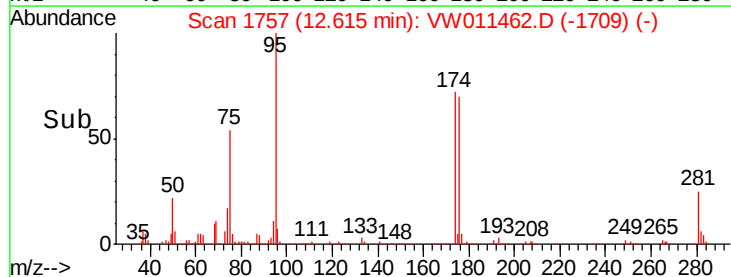
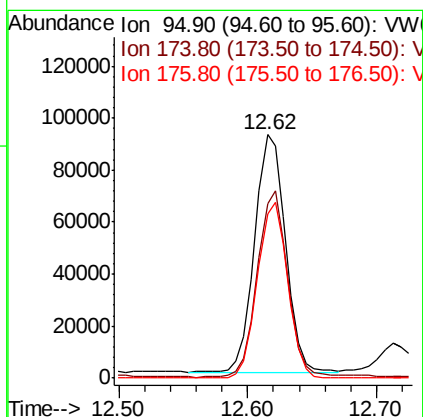
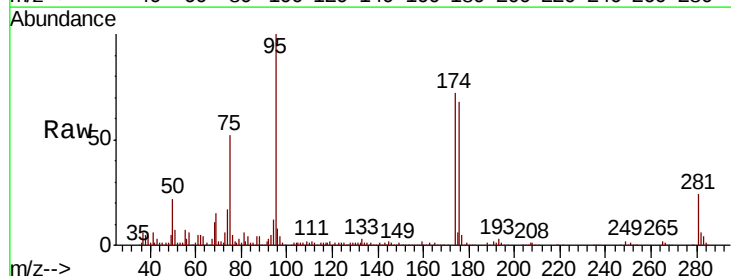
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

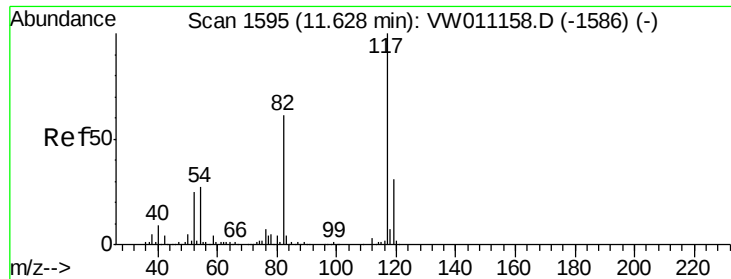
Tot Ion: 107 Resp: 93311
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 44.691 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion: 95 Resp: 150286
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 147.6
 176 73.1 0.0 144.6

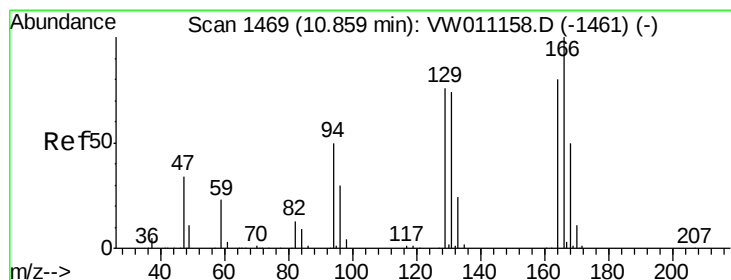
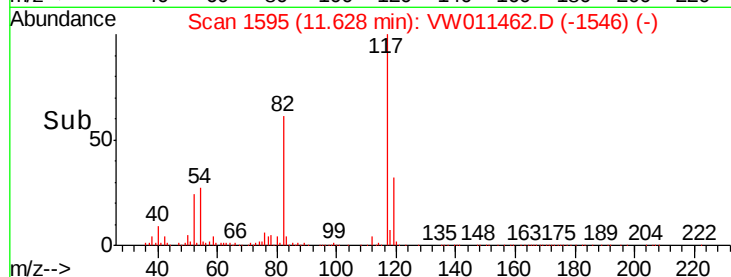
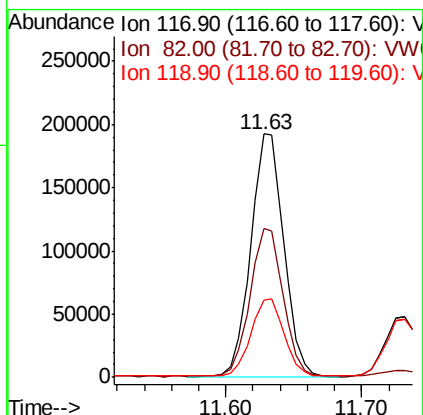
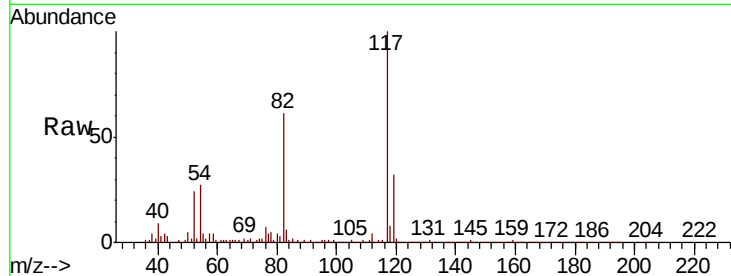




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

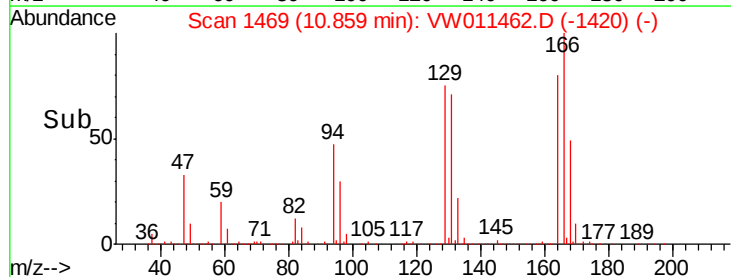
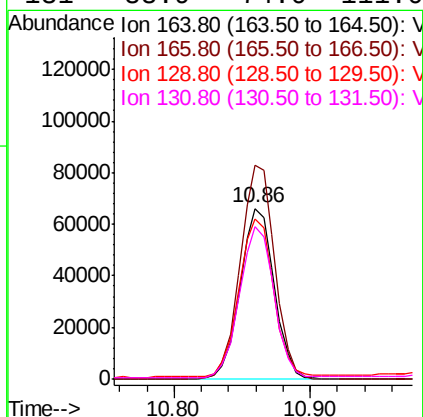
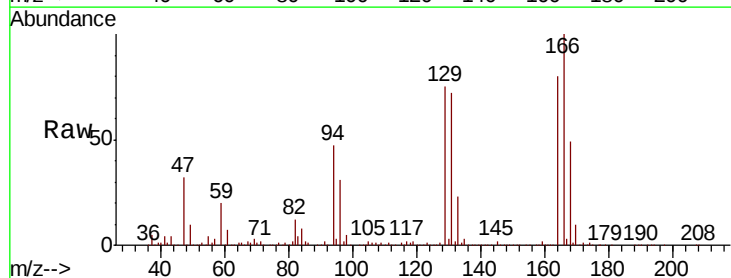
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

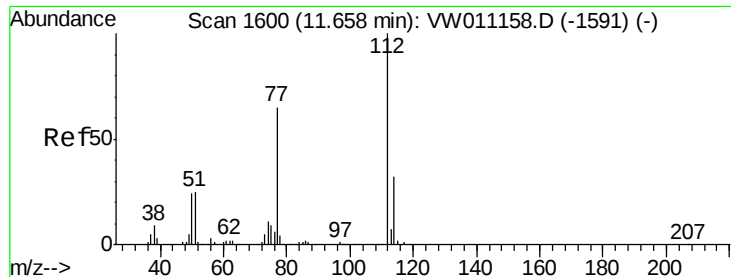
Tot Ion:117 Resp: 326775
Ion Ratio Lower Upper
117 100
82 60.8 48.9 73.3
119 31.5 25.0 37.6



#64
Tetrachloroethene
Concen: 52.075 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion:164 Resp: 114827
Ion Ratio Lower Upper
164 100
166 125.0 99.7 149.5
129 92.8 76.2 114.2
131 88.9 74.0 111.0

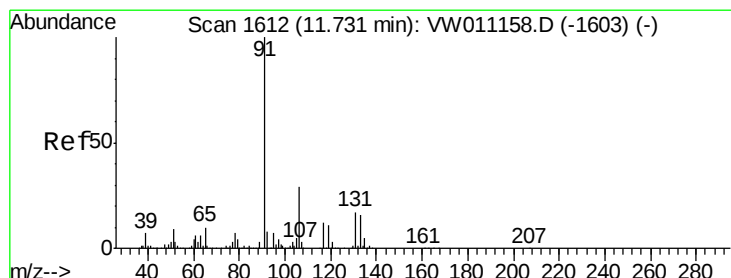
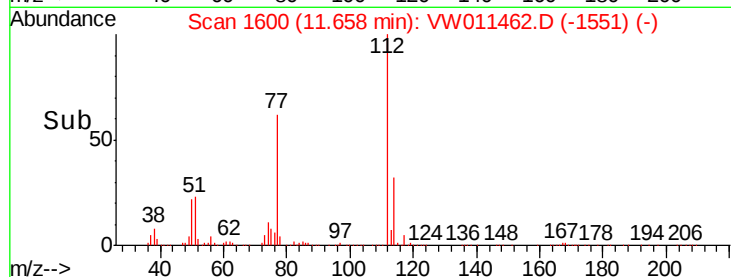
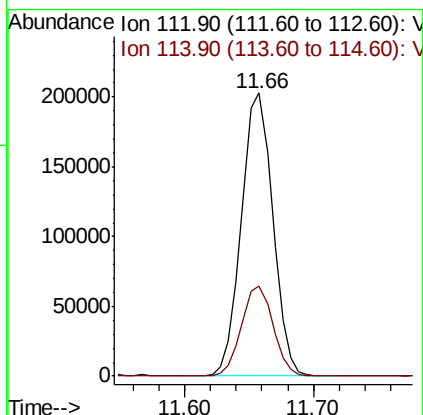
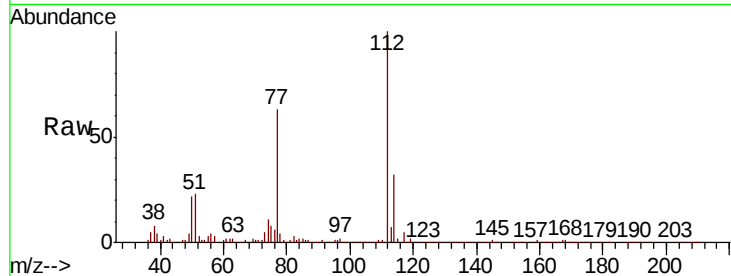




#65
Chlorobenzene
Concen: 51.366 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

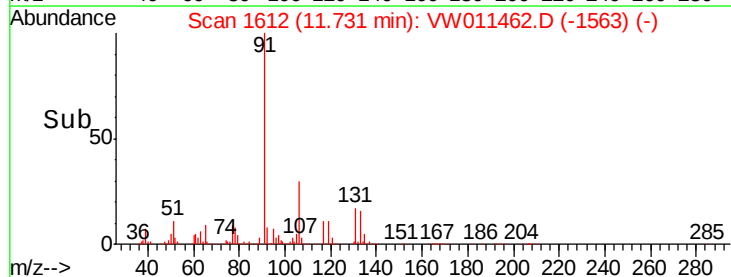
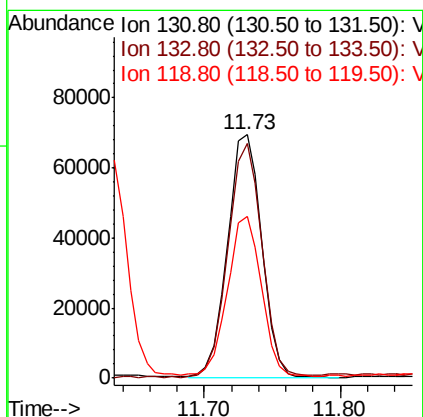
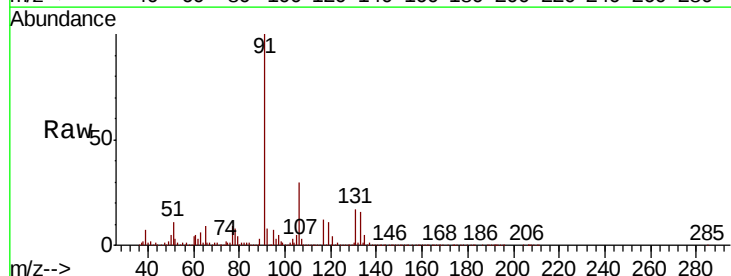
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

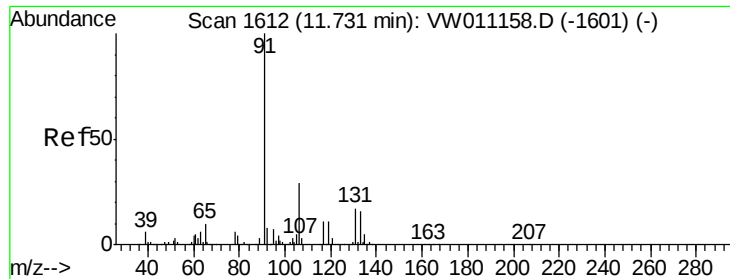
Tot Ion:112 Resp: 341259
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.537 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion:131 Resp: 120559
Ion Ratio Lower Upper
131 100
133 97.0 47.9 143.8
119 65.1 33.1 99.2

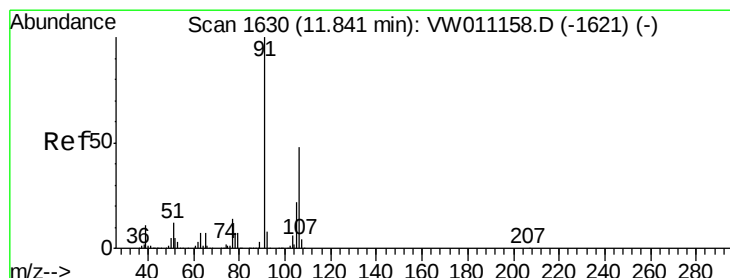
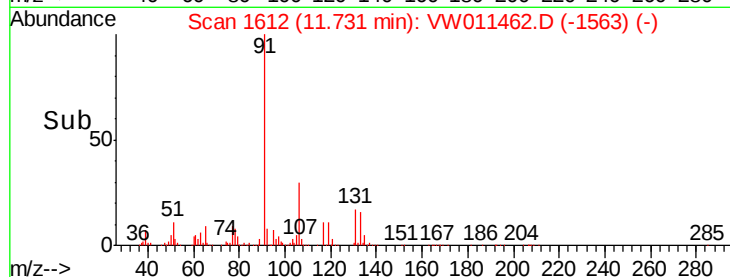
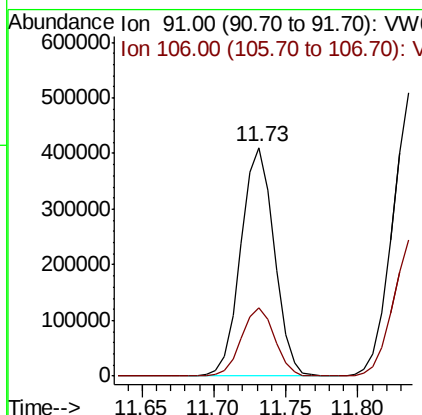
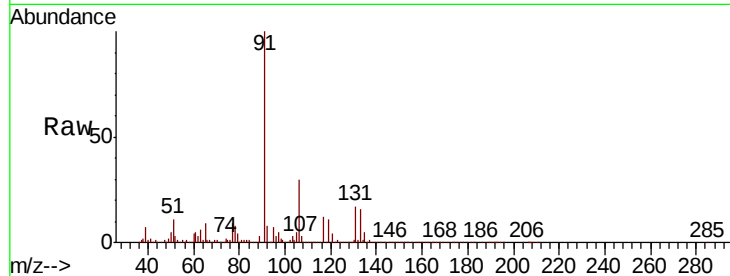




#67
Ethyl Benzene
Concen: 51.604 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

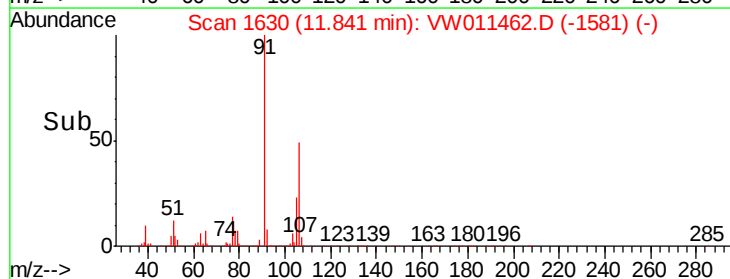
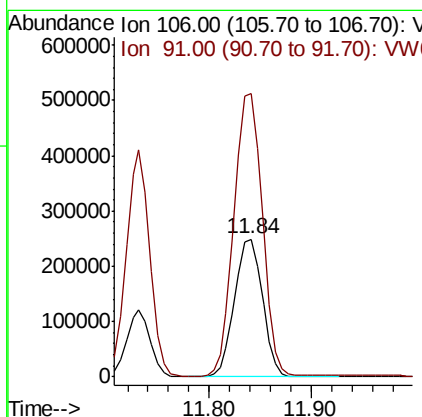
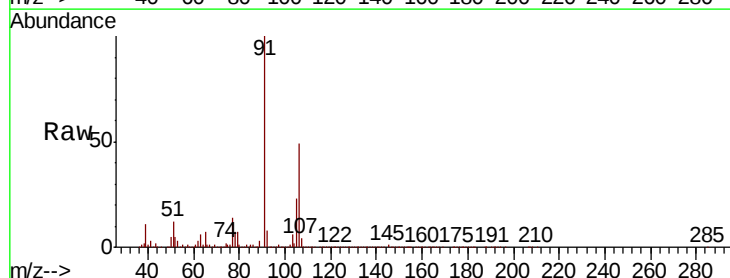
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

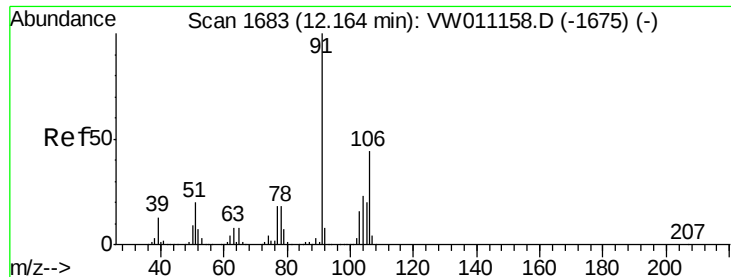
Tot Ion: 91 Resp: 656324
Ion Ratio Lower Upper
91 100
106 29.6 23.5 35.3



#68
m/p-Xylenes
Concen: 102.589 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion: 106 Resp: 472119
Ion Ratio Lower Upper
106 100
91 208.7 167.7 251.5

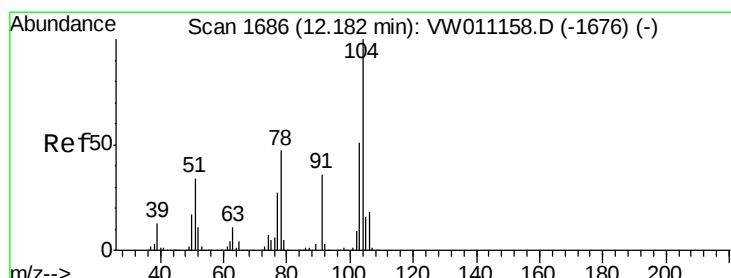
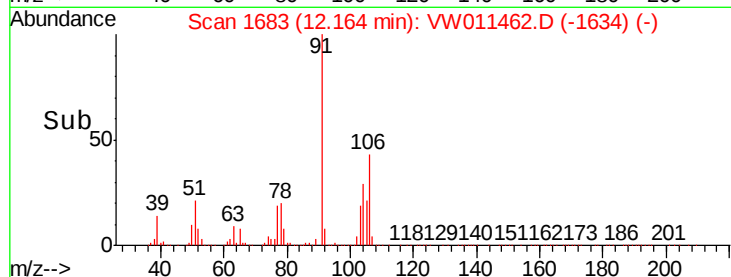
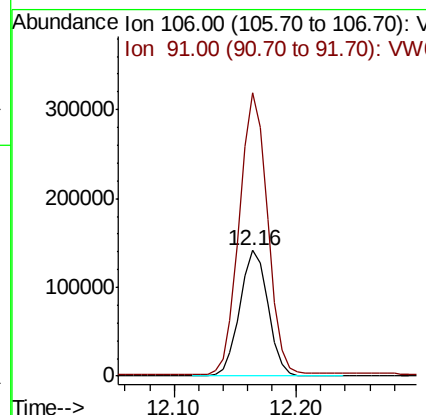
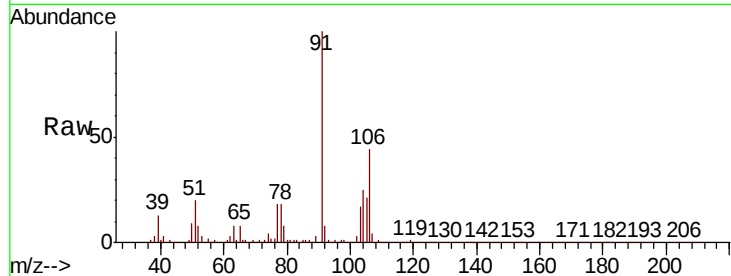




#69
o-Xylene
Concen: 51.880 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

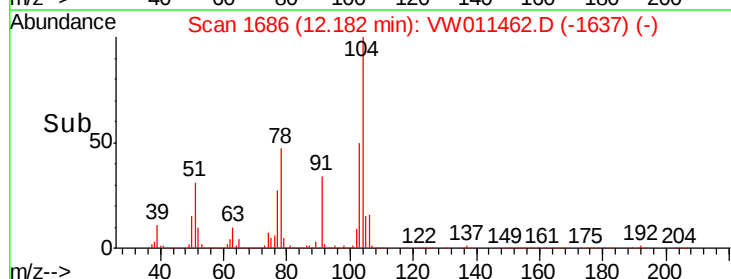
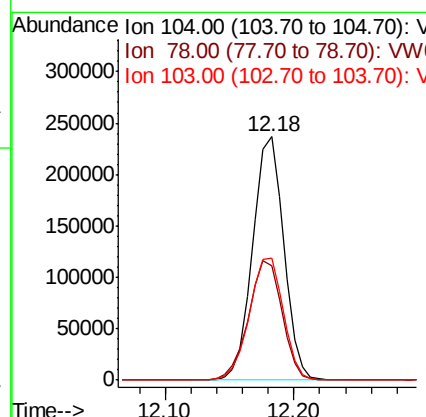
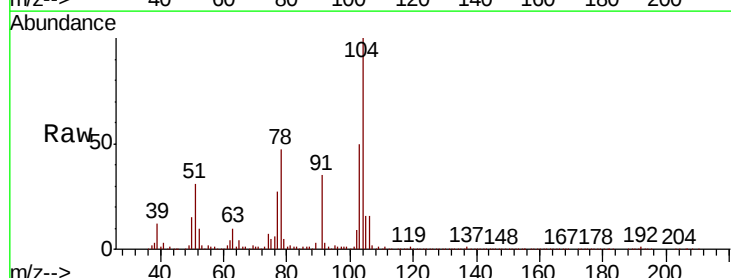
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

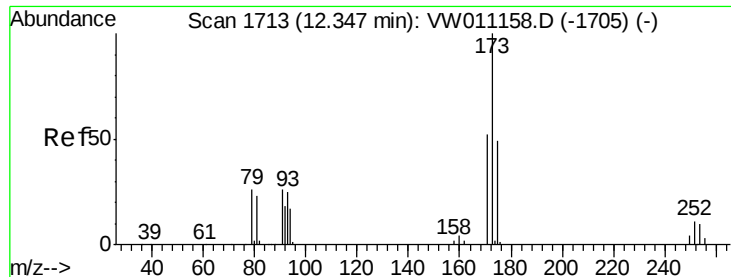
Tot Ion:106 Resp: 225031
Ion Ratio Lower Upper
106 100
91 224.5 110.7 332.1



#70
Styrene
Concen: 52.328 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion:104 Resp: 391718
Ion Ratio Lower Upper
104 100
78 53.1 43.1 64.7
103 54.9 44.1 66.1





#71

Bromoform

Concen: 51.795 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

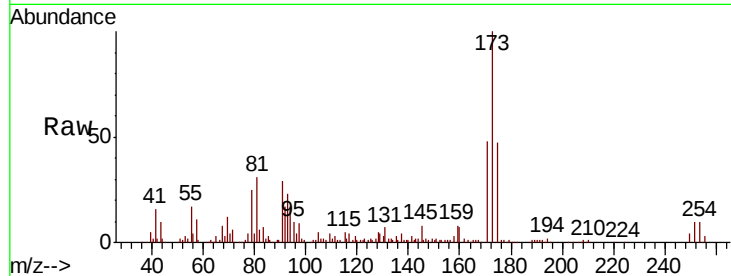
Tot Ion:173 Resp: 64419

Ion Ratio Lower Upper

173 100

175 44.8 24.8 74.3

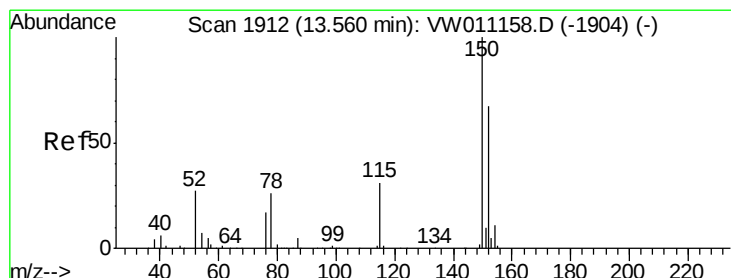
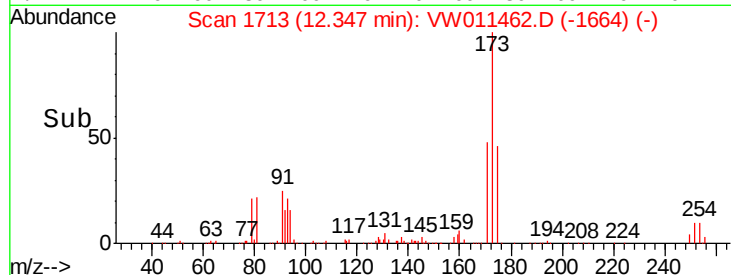
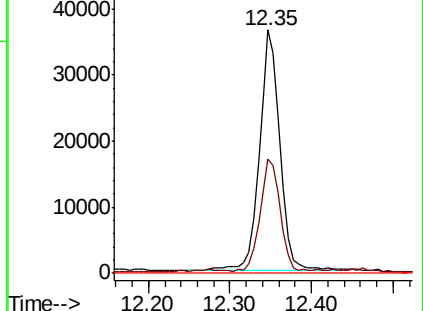
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

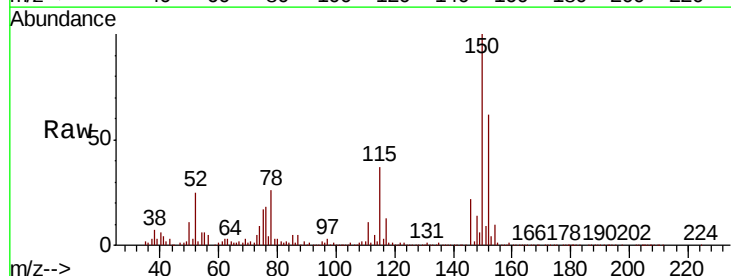
Tgt Ion:152 Resp: 153384

Ion Ratio Lower Upper

152 100

115 58.7 30.1 90.3

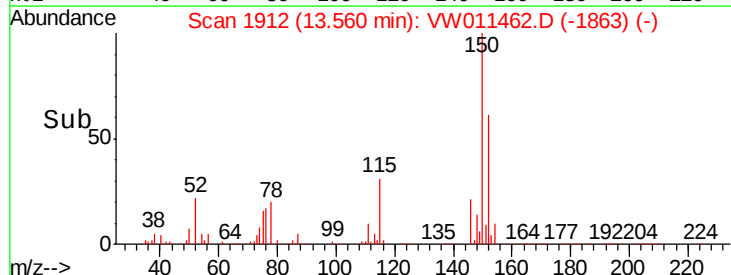
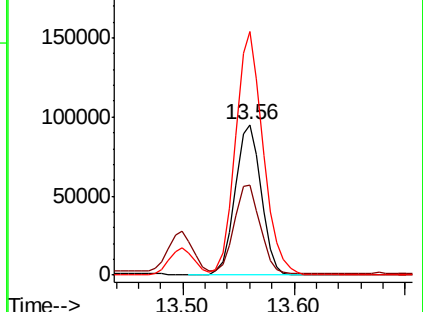
150 170.6 0.0 346.0

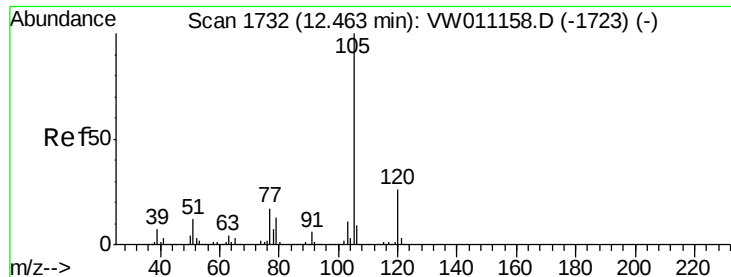


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.189 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

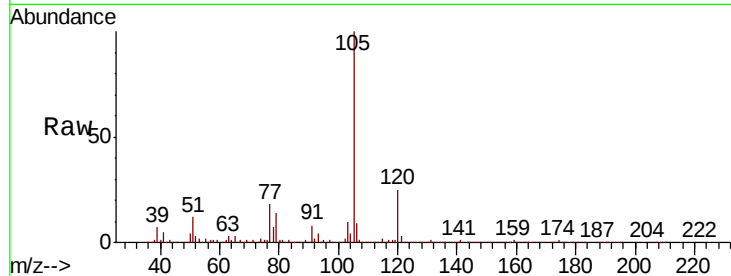
VSTDCCC050EC

Tot Ion:105 Resp: 621332

Ion Ratio Lower Upper

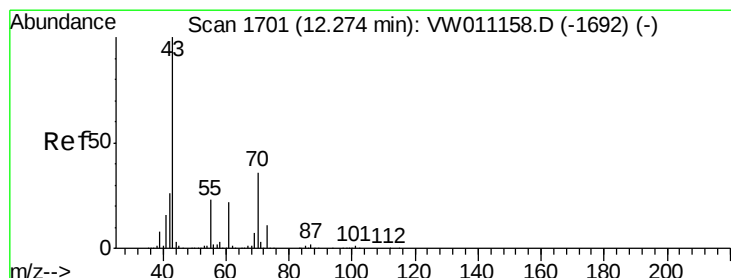
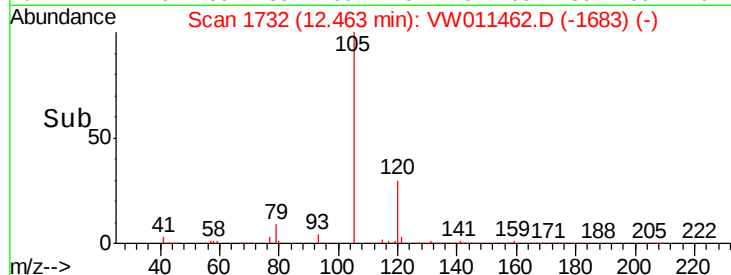
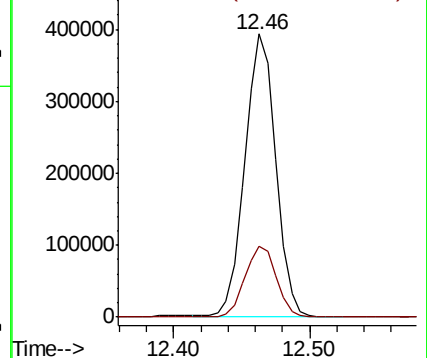
105 100

120 25.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.719 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tgt Ion: 43 Resp: 202539

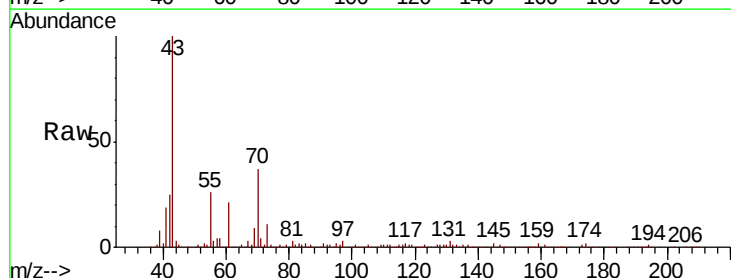
Ion Ratio Lower Upper

43 100

70 37.6 28.5 42.7

55 23.6 18.1 27.1

61 21.1 17.2 25.8

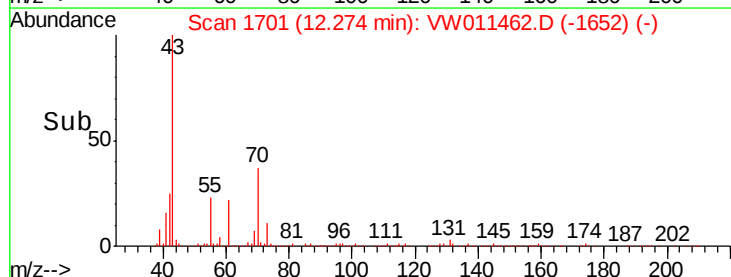
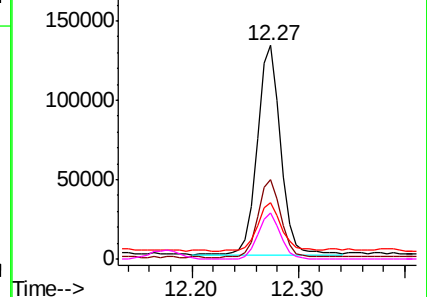


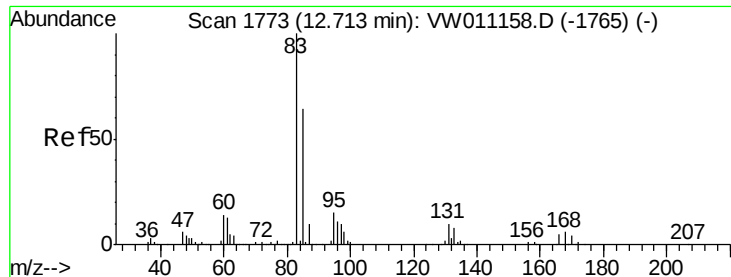
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 50.240 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

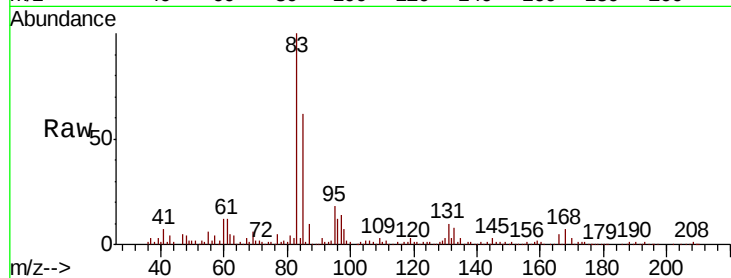
Tot Ion: 83 Resp: 118083

Ion Ratio Lower Upper

83 100

131 9.4 5.0 15.0

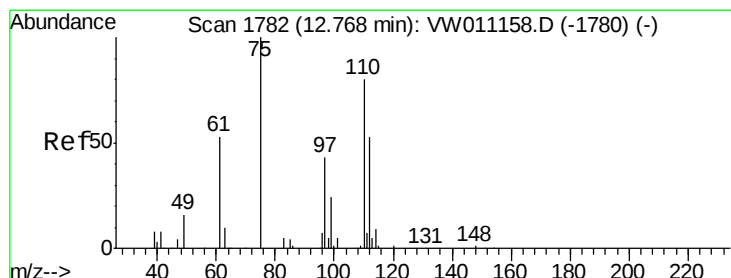
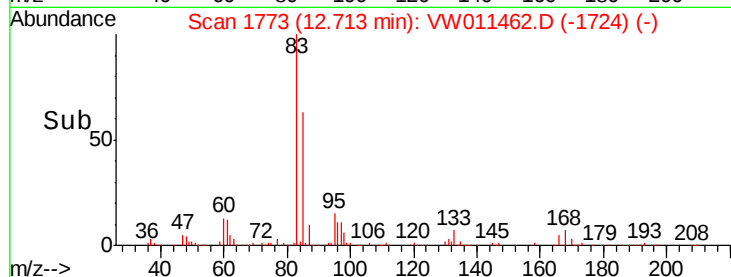
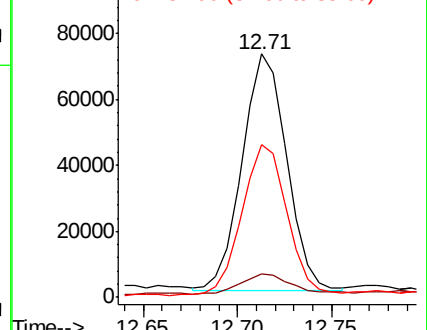
85 64.8 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 85.529 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011462.D

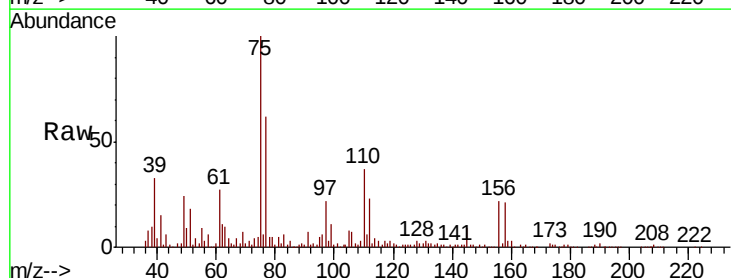
Acq: 24 Jul 2019 05:16

Tgt Ion: 75 Resp: 151604

Ion Ratio Lower Upper

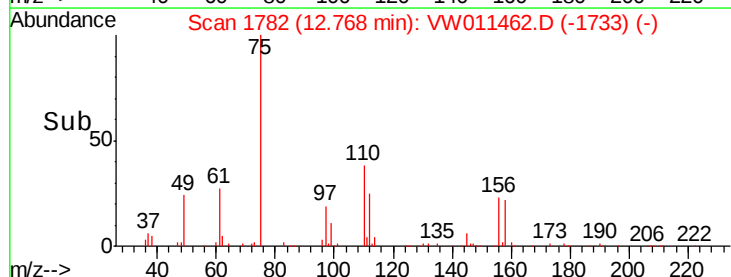
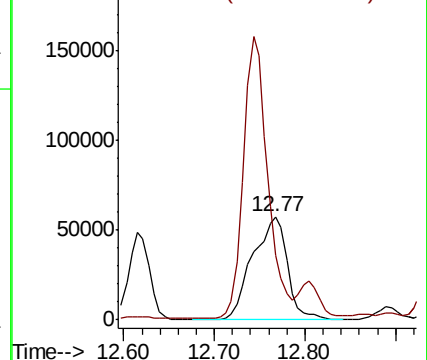
75 100

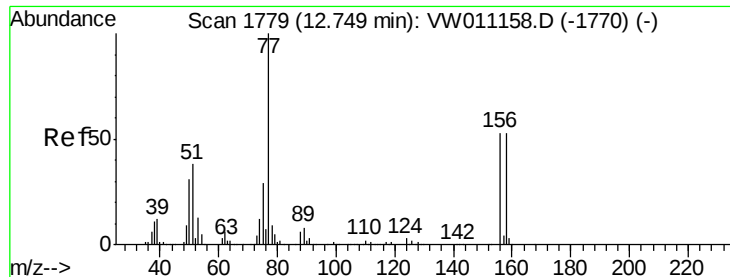
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.740 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

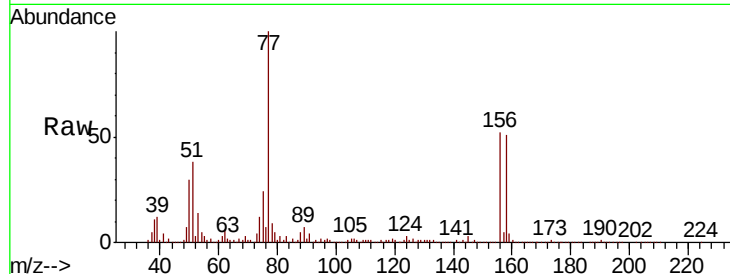
Tot Ion:156 Resp: 138282

Ion Ratio Lower Upper

156 100

77 210.5 109.0 327.0

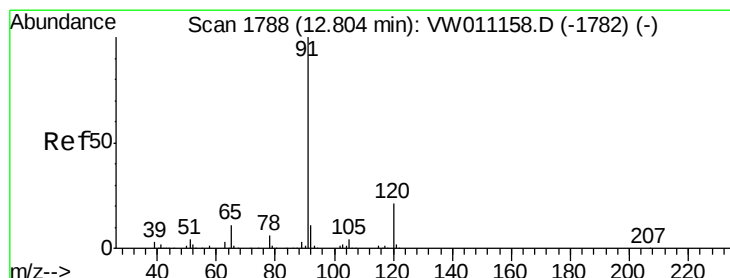
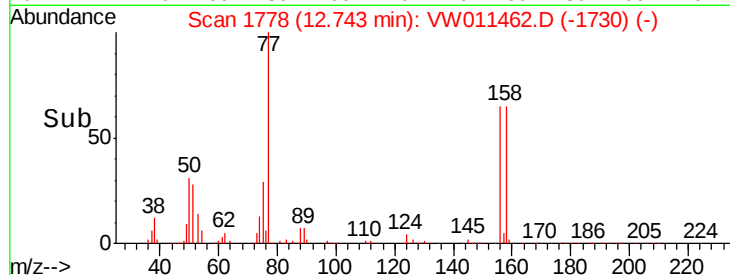
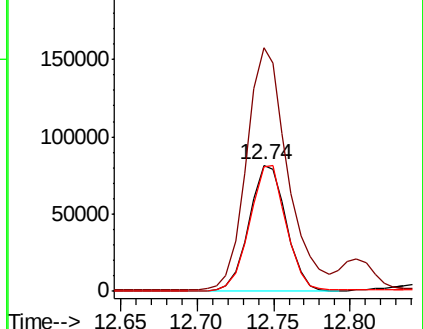
158 98.6 48.8 146.3



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: 52.045 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011462.D

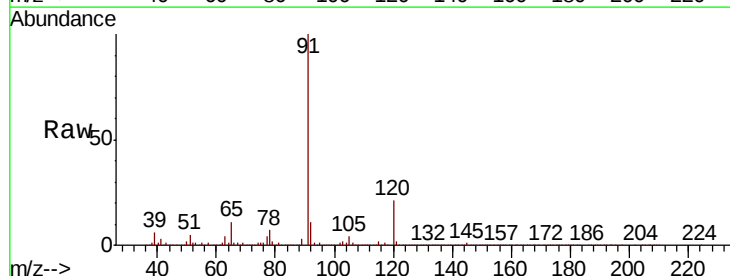
Acq: 24 Jul 2019 05:16

Tgt Ion: 91 Resp: 735107

Ion Ratio Lower Upper

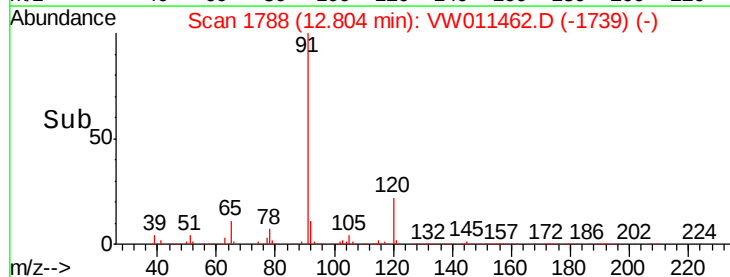
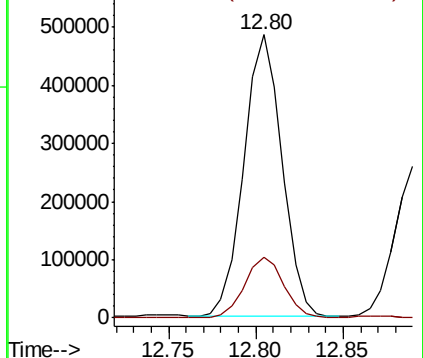
91 100

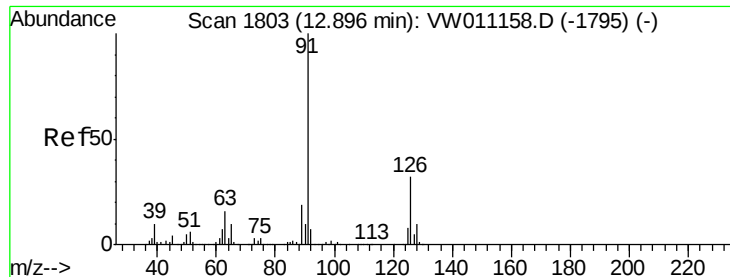
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.978 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

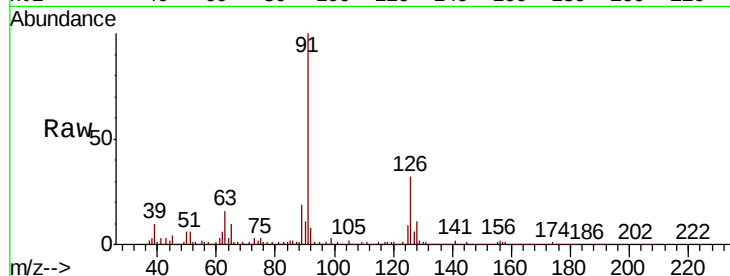
VSTDCCC050EC

Tot Ion: 91 Resp: 422477

Ion Ratio Lower Upper

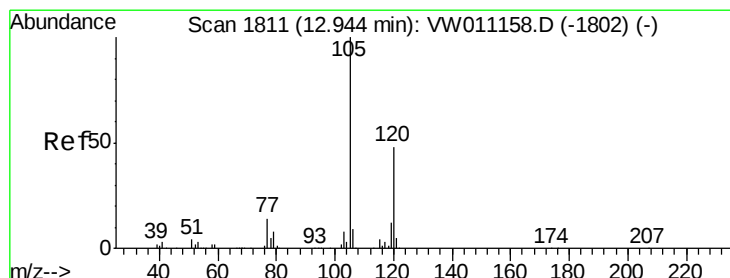
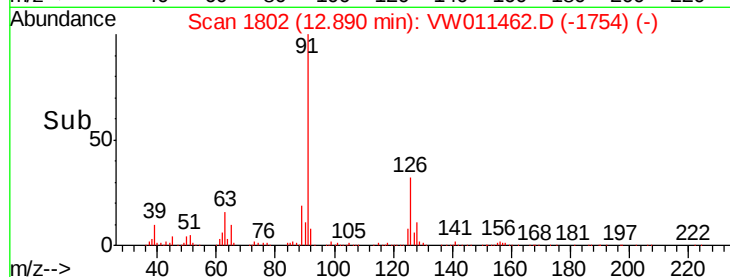
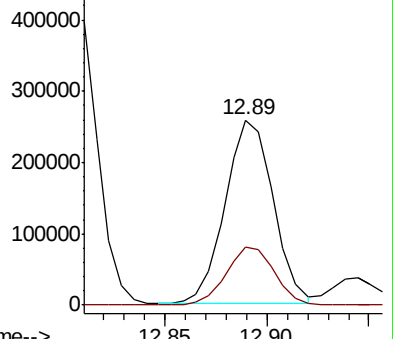
91 100

126 32.0 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.046 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011462.D

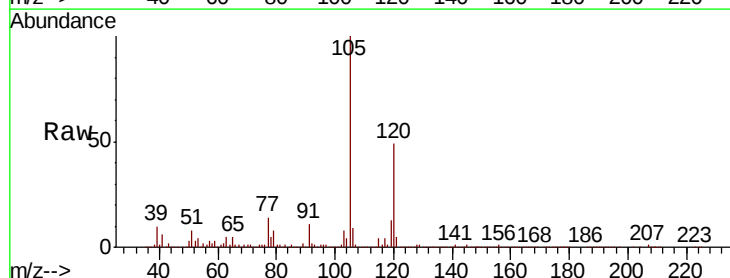
Acq: 24 Jul 2019 05:16

Tgt Ion:105 Resp: 526463

Ion Ratio Lower Upper

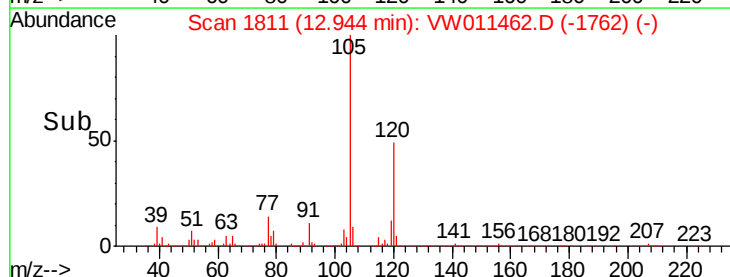
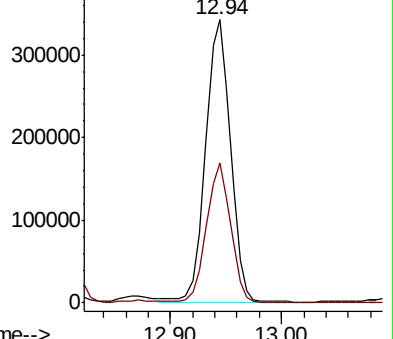
105 100

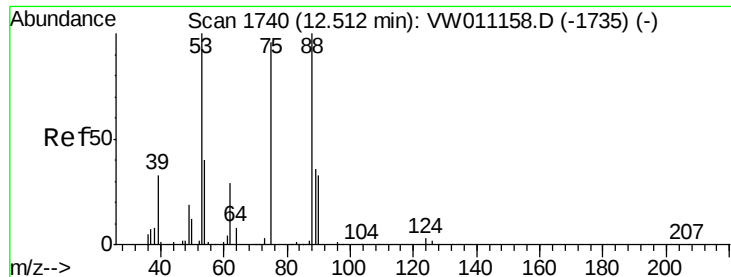
120 48.0 24.1 72.2



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: 44.707 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

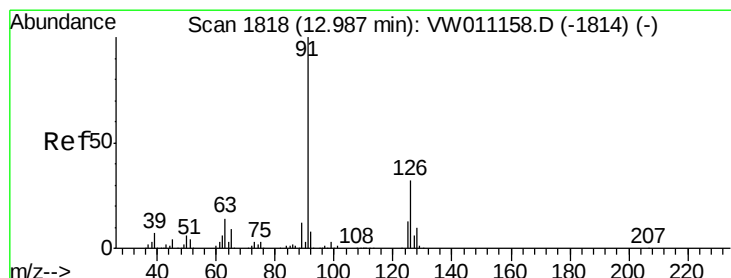
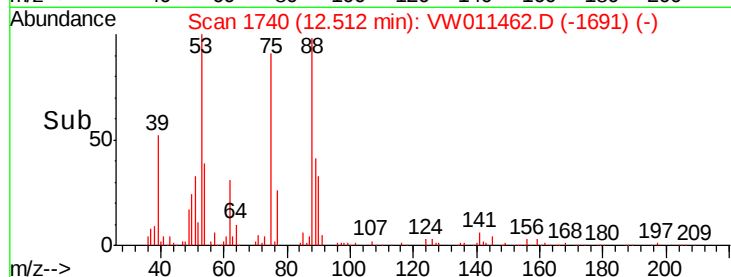
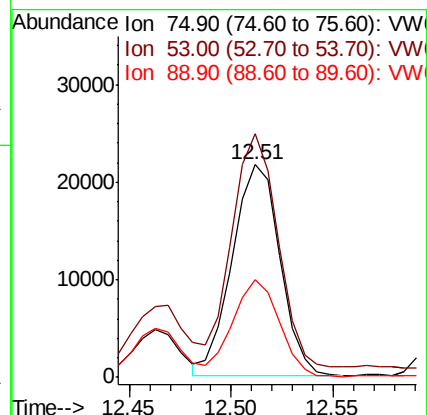
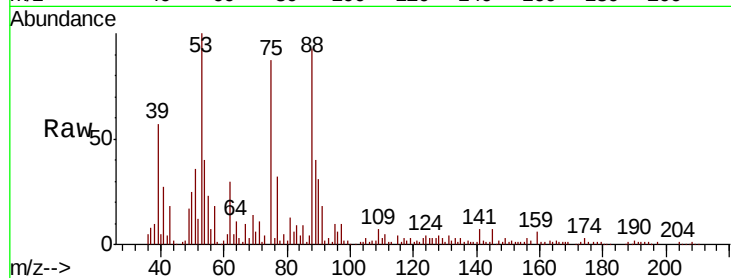
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 35036

Ion	Ratio	Lower	Upper
75	100		
53	105.7	89.8	134.6
89	44.3	34.3	51.5



#82

4-Chlorotoluene

Concen: 51.383 ug/l

RT: 12.99 min Scan# 1818

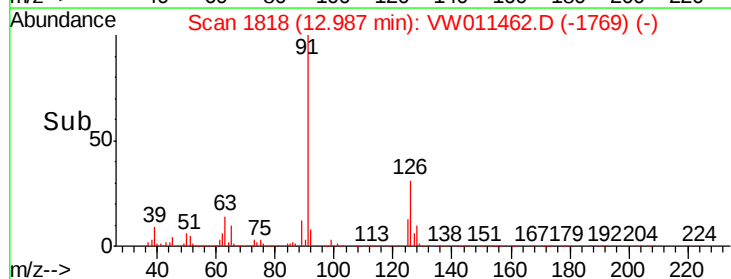
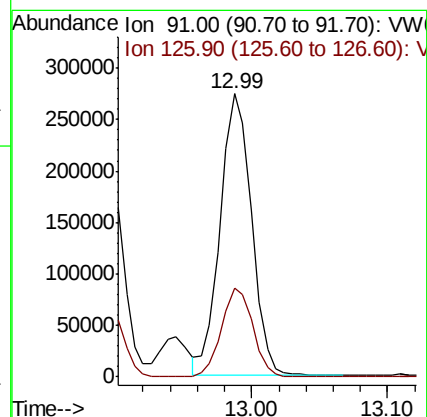
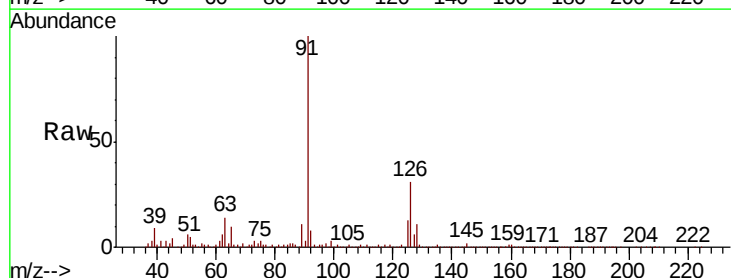
Delta R.T. 0.00 min

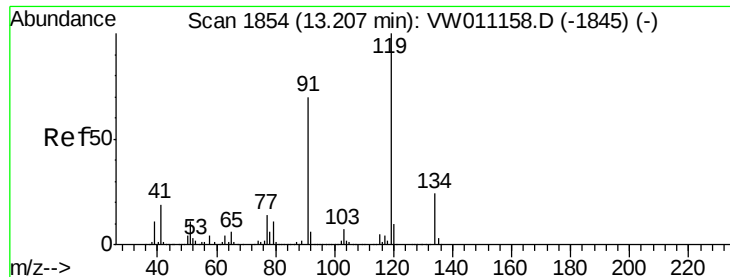
Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Tgt Ion: 91 Resp: 434996

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

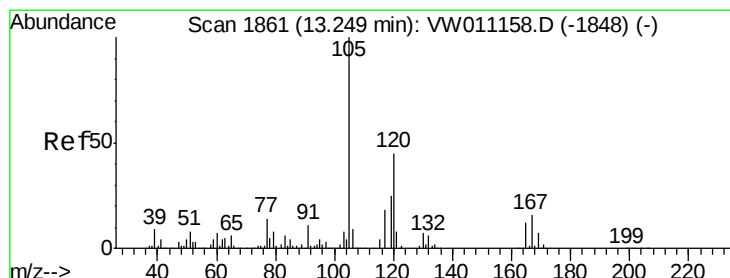
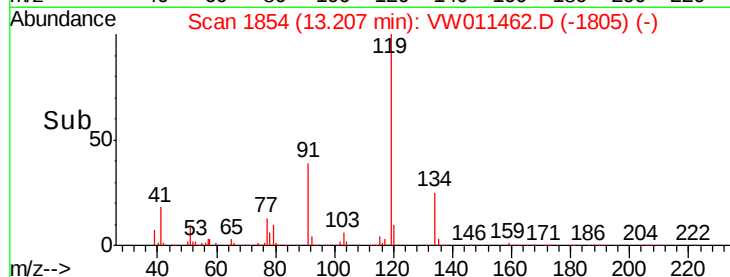
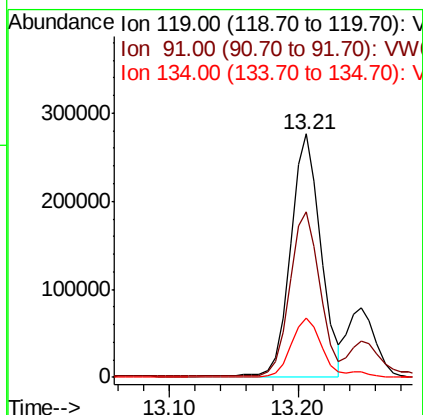
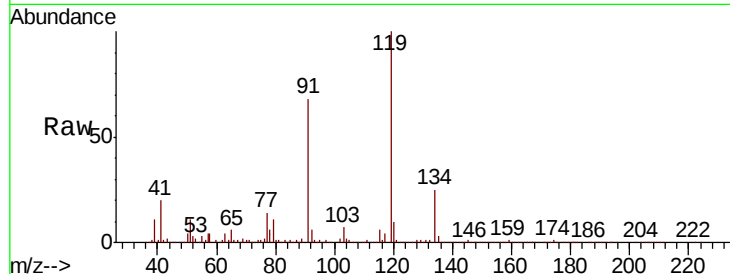




#83
tert-Butylbenzene
Concen: 54.762 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

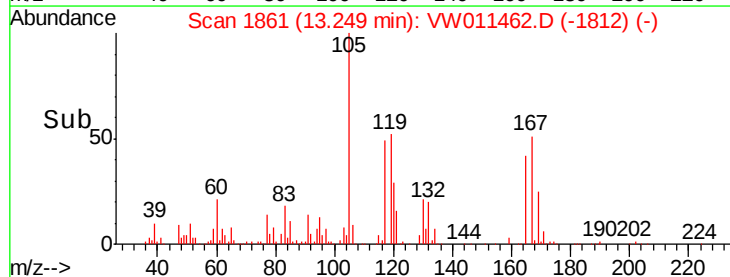
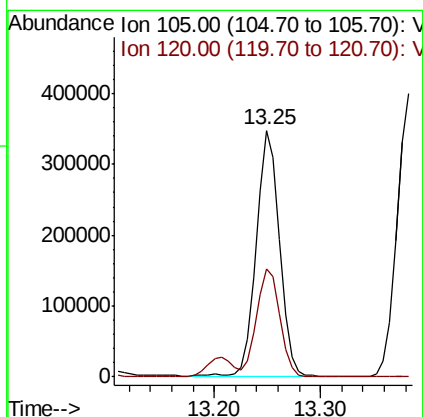
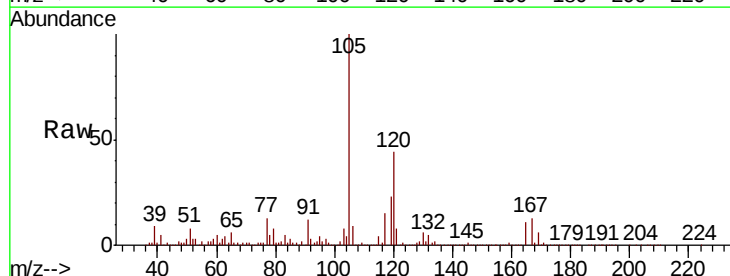
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

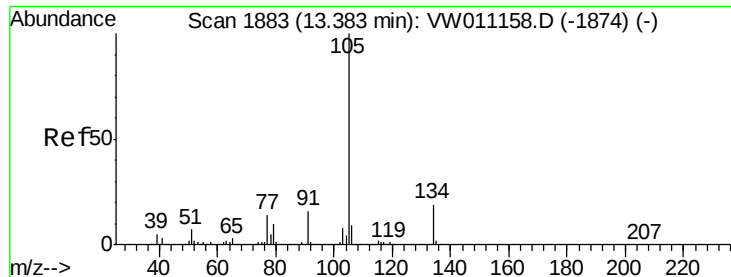
Tot Ion:119 Resp: 444884
Ion Ratio Lower Upper
119 100
91 67.5 35.4 106.3
134 26.2 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 54.110 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011462.D
Acq: 24 Jul 2019 05:16

Tgt Ion:105 Resp: 529253
Ion Ratio Lower Upper
105 100
120 44.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 51.632 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

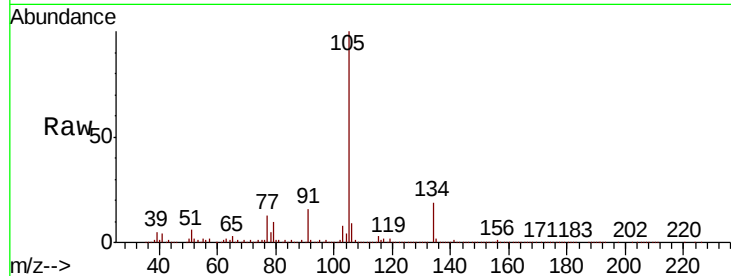
VSTDCCC050EC

Tot Ion:105 Resp: 605247

Ion Ratio Lower Upper

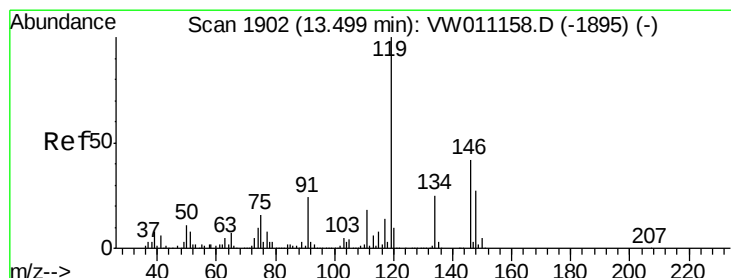
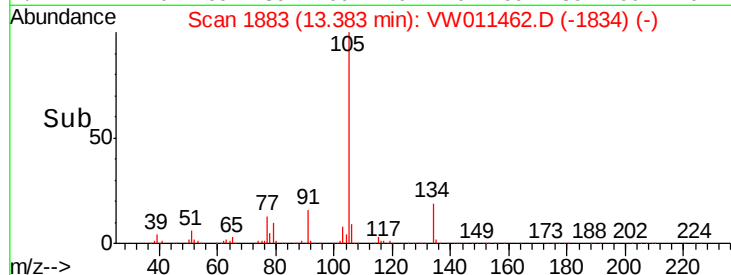
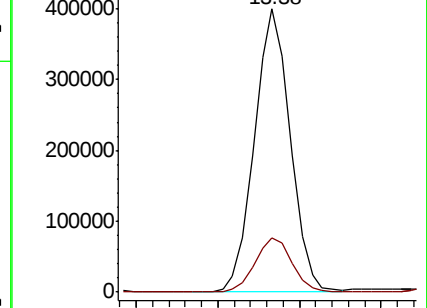
105 100

134 19.8 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.935 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

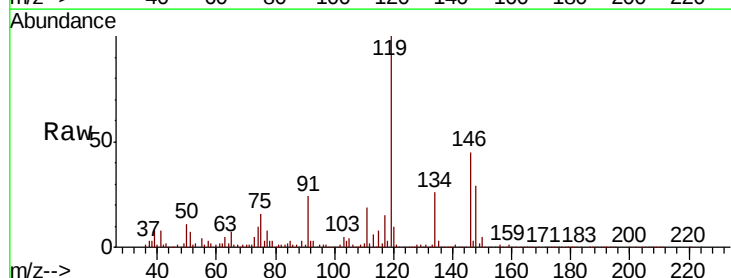
Tgt Ion:119 Resp: 546043

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

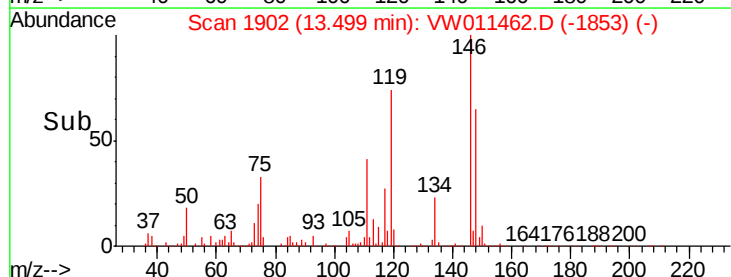
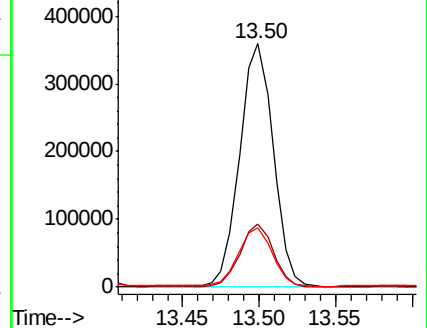
91 24.3 12.3 36.8

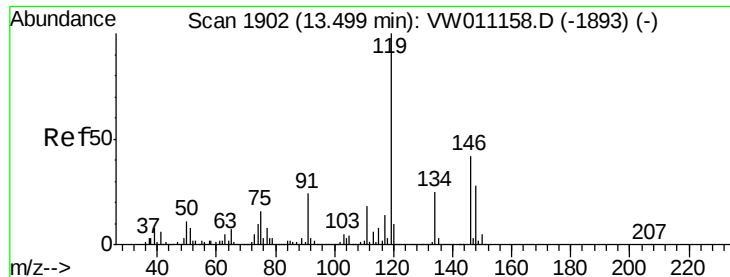


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

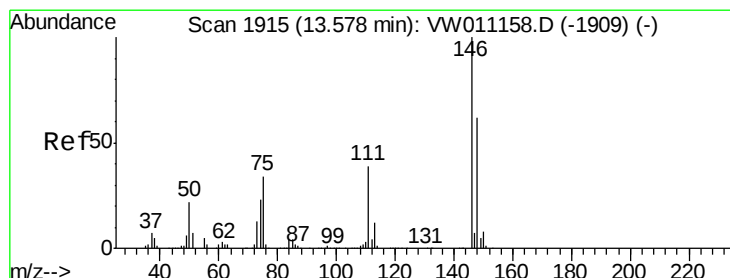
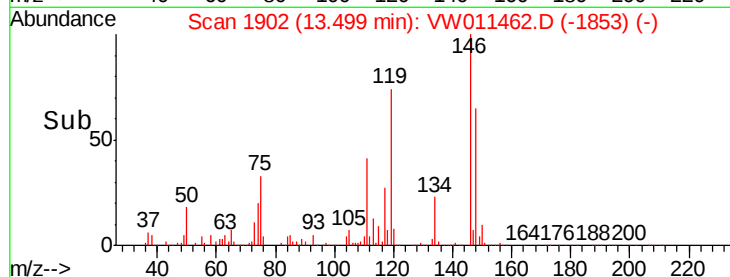
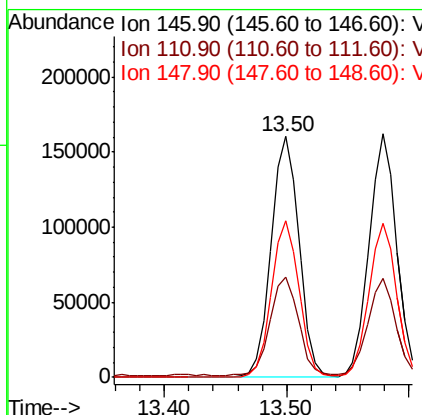
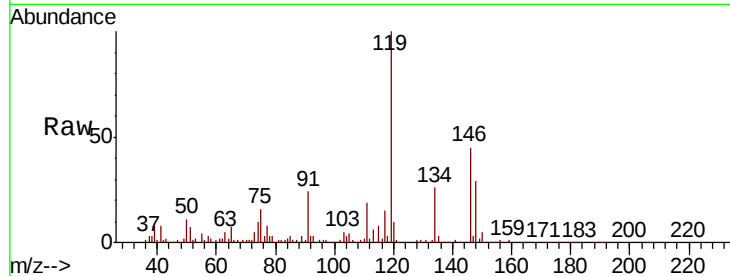




#87
 1,3-Dichlorobenzene
 Concen: 51.225 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

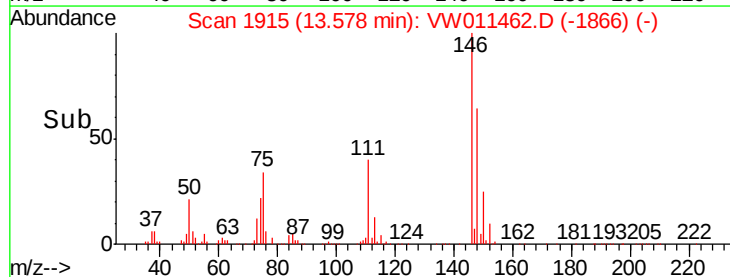
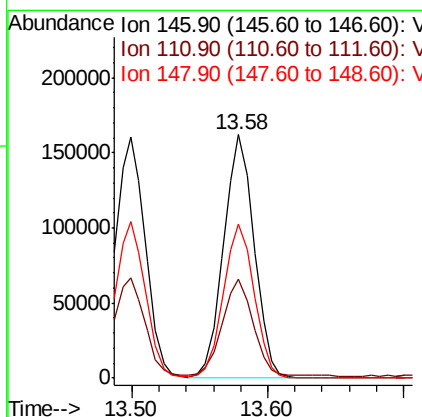
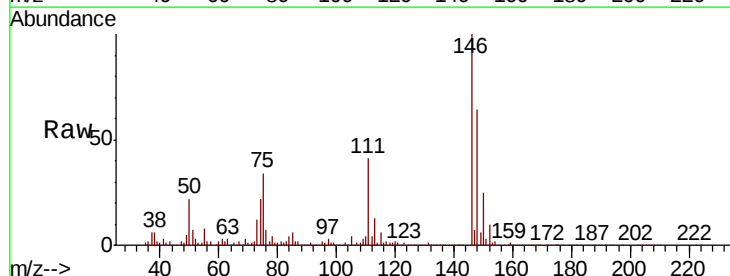
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

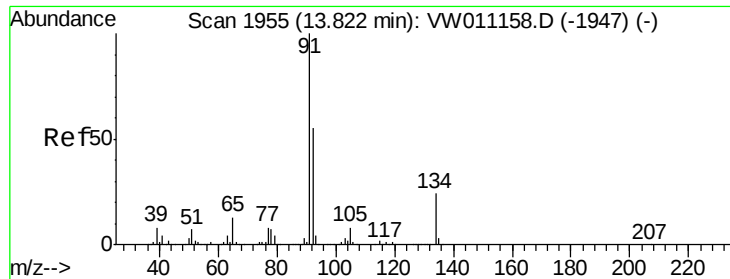
Tot Ion:146 Resp: 253604
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.1 63.1
 148 63.9 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 50.423 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion:146 Resp: 251376
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.9 59.7
 148 63.8 31.5 94.5





#89

n-Butylbenzene

Concen: 49.358 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

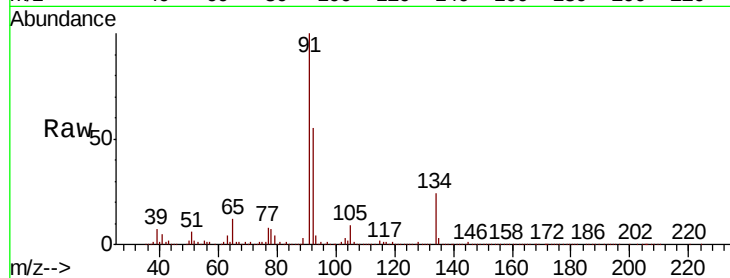
Tot Ion: 91 Resp: 517691

Ion Ratio Lower Upper

91 100

92 54.0 26.9 80.7

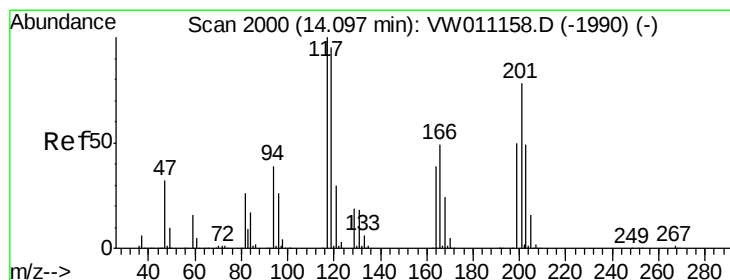
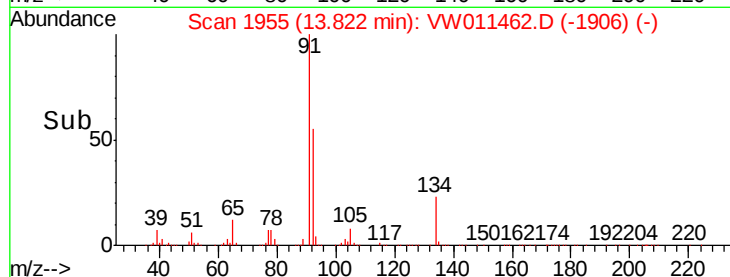
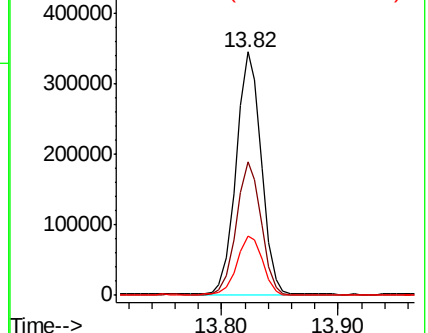
134 25.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.557 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011462.D

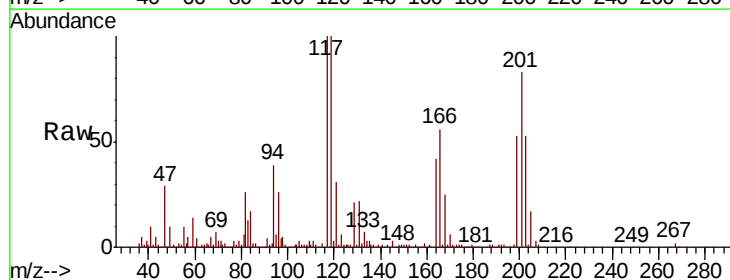
Acq: 24 Jul 2019 05:16

Tgt Ion: 117 Resp: 97134

Ion Ratio Lower Upper

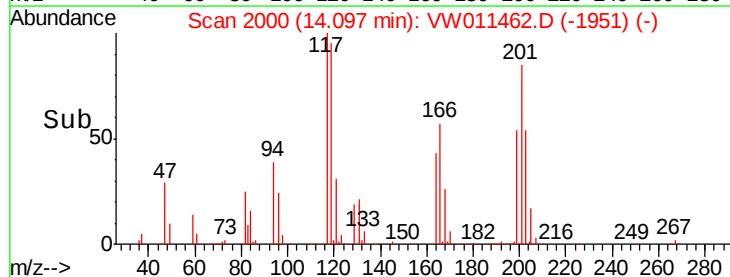
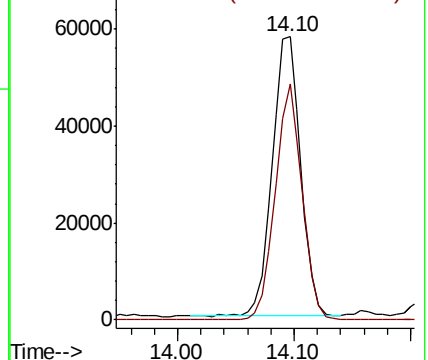
117 100

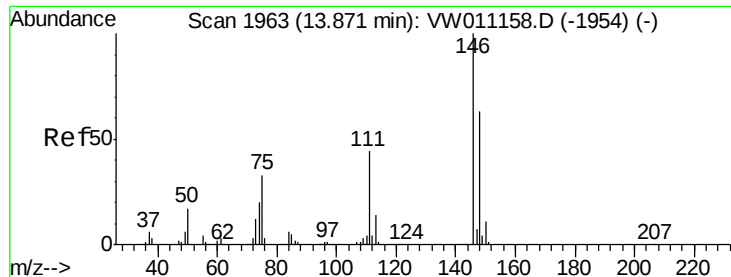
201 79.9 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.959 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

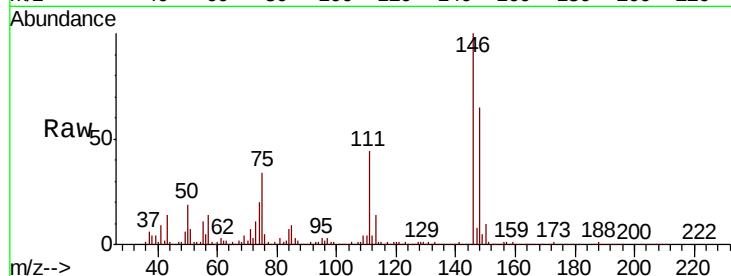
Tot Ion:146 Resp: 228880

Ion Ratio Lower Upper

146 100

111 43.0 21.6 65.0

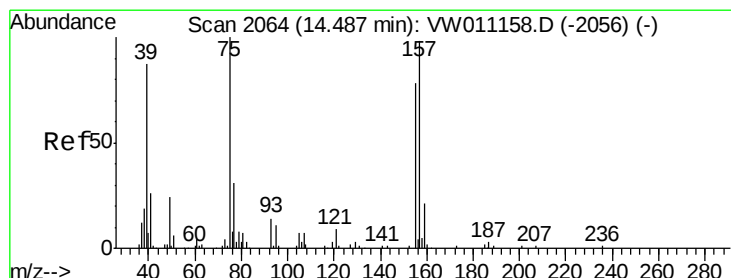
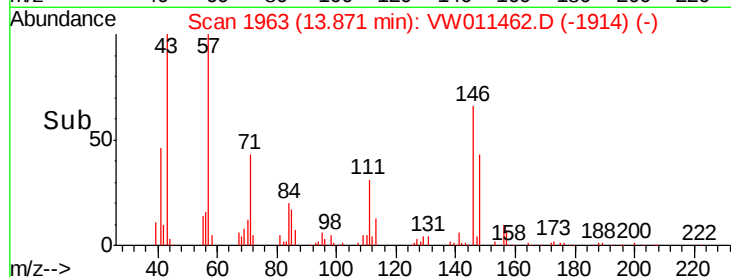
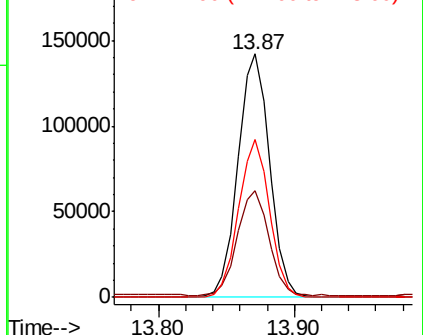
148 63.8 31.9 95.5



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: 46.145 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

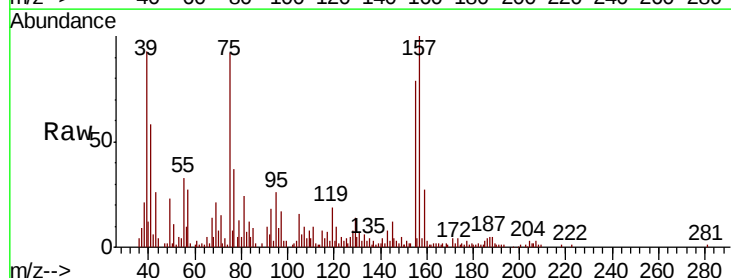
Tgt Ion: 75 Resp: 19238

Ion Ratio Lower Upper

75 100

155 79.8 37.1 111.3

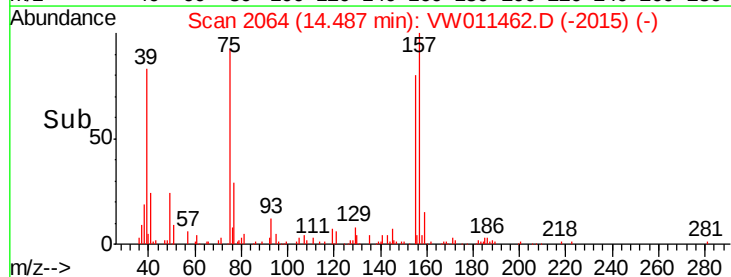
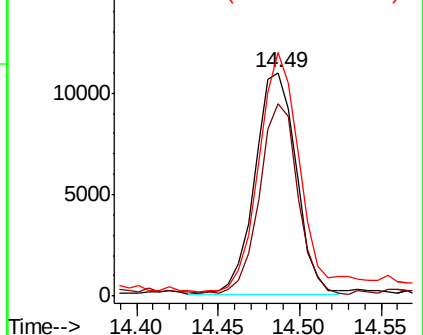
157 109.8 48.5 145.6

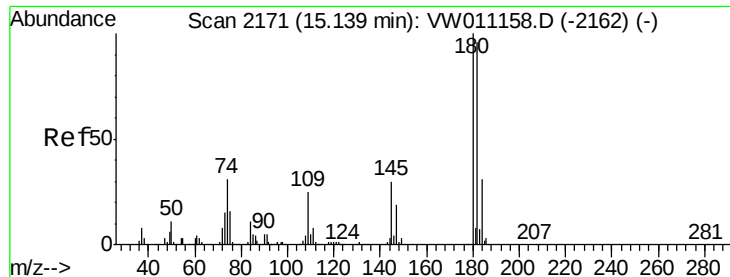


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

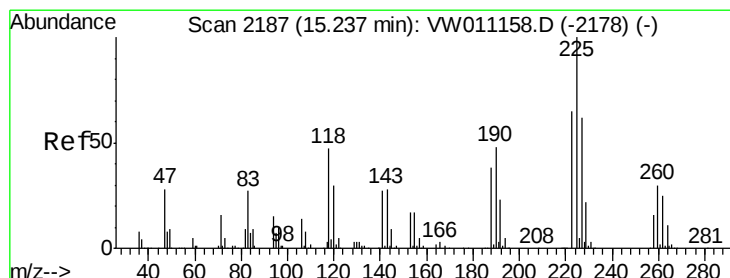
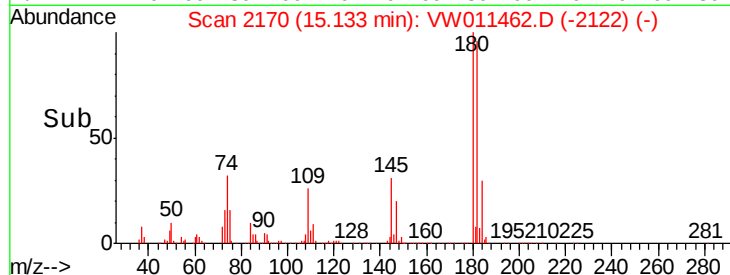
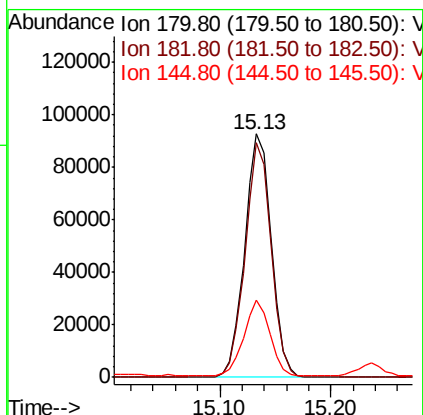
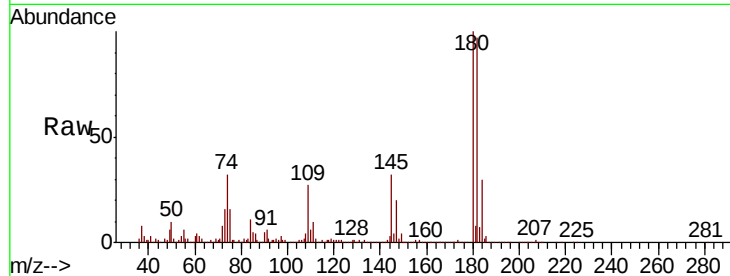




#93
 1,2,4-Trichlorobenzene
 Concen: 49.893 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

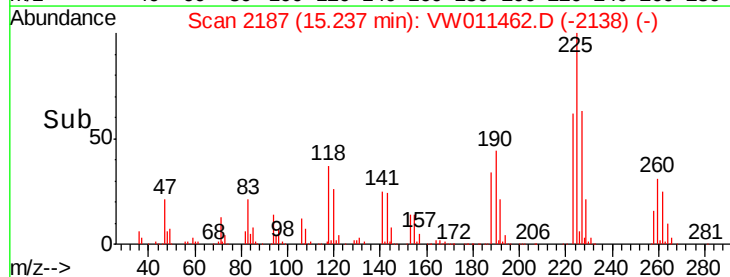
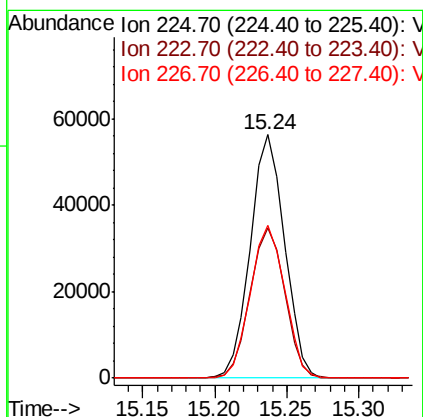
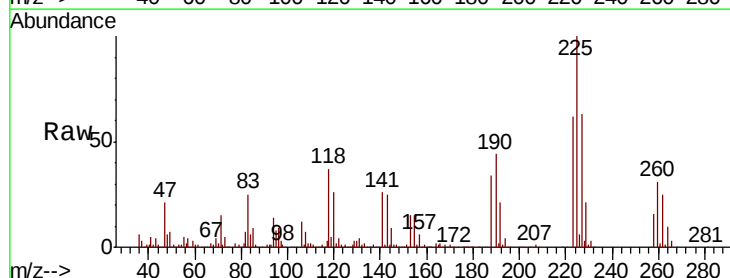
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

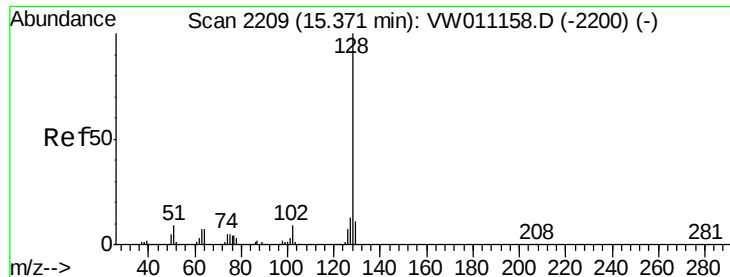
Tot Ion:180 Resp: 154348
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.3 144.9
 145 30.3 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 48.740 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011462.D
 Acq: 24 Jul 2019 05:16

Tgt Ion:225 Resp: 92571
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.6 95.0
 227 63.3 32.0 96.0





#95

Naphthalene

Concen: 52.747 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

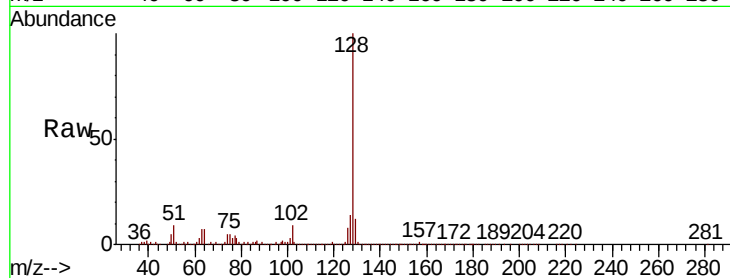
Tot Ion:128 Resp: 312692

Ion Ratio Lower Upper

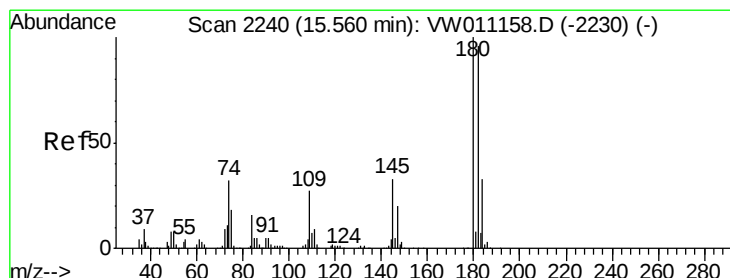
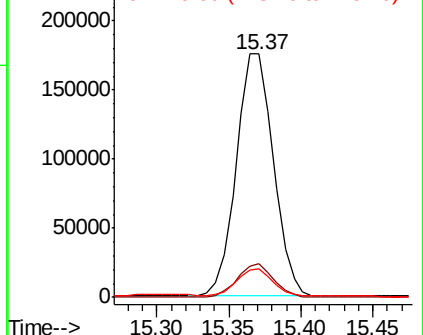
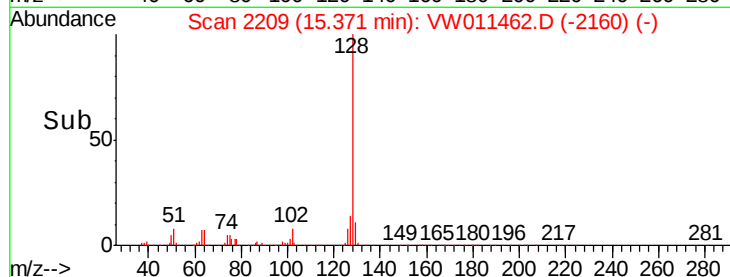
128 100

127 13.1 10.6 16.0

129 11.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.347 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011462.D

Acq: 24 Jul 2019 05:16

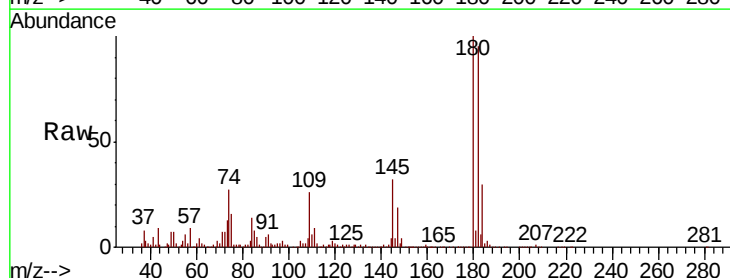
Tgt Ion:180 Resp: 137459

Ion Ratio Lower Upper

180 100

182 95.1 47.6 142.8

145 34.9 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

