

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011390.D
 Acq On : 19 Jul 2019 22:03
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 20 05:54:40 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	171684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	286659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126935	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	101549	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
35) Dibromofluoromethane	7.88	113	81903	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	10.32	98	324304	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.62	95	119787	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	52611	41.089	ug/l	93
3) Chloromethane	2.21	50	84735	51.357	ug/l	95
4) Vinyl Chloride	2.36	62	94626	43.819	ug/l	99
5) Bromomethane	2.77	94	51321	47.295	ug/l	93
6) Chloroethane	2.92	64	55886	48.047	ug/l	99
7) Trichlorofluoromethane	3.25	101	39340	51.280	ug/l	96
8) Diethyl Ether	3.68	74	52638	49.589	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	86298	46.963	ug/l	100
10) Methyl Iodide	4.27	142	125743	49.753	ug/l	99
11) Tert butyl alcohol	5.17	59	41329	258.763	ug/l	99
12) 1,1-Dichloroethene	4.04	96	90528	47.465	ug/l	99
13) Acrolein	3.89	56	43748	343.980	ug/l	100
14) Allyl chloride	4.67	41	185493	53.334	ug/l	97
15) Acrylonitrile	5.36	53	140973	260.771	ug/l	100
16) Acetone	4.12	43	140983	271.610	ug/l	98
17) Carbon Disulfide	4.39	76	272595	47.144	ug/l	100
18) Methyl Acetate	4.67	43	70828	47.925	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	150836	52.122	ug/l	99
20) Methylene Chloride	4.92	84	109827	53.635	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	97137	49.015	ug/l	97
22) Diisopropyl ether	6.31	45	383962	51.329	ug/l	99
23) Vinyl Acetate	6.25	43	1229301	265.543	ug/l	100
24) 1,1-Dichloroethane	6.21	63	198444	50.520	ug/l	98
25) 2-Butanone	7.17	43	211647	259.755	ug/l	100
26) 2,2-Dichloropropane	7.17	77	102453	50.177	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	107587	50.326	ug/l	98
28) Bromochloromethane	7.51	49	83877	46.961	ug/l	100
29) Tetrahydrofuran	7.52	42	134242	251.263	ug/l	100
30) Chloroform	7.67	83	182855	50.266	ug/l	97
31) Cyclohexane	7.95	56	187298	44.820	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	137155	49.564	ug/l	99
36) 1,1-Dichloropropene	8.08	75	145153	47.550	ug/l	99
37) Ethyl Acetate	7.25	43	90879	49.549	ug/l	99
38) Carbon Tetrachloride	8.07	117	123701	47.802	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	169715	45.869	ug/l	99
40) Benzene	8.32	78	416859	49.412	ug/l	100
41) Methacrylonitrile	7.48	41	49272	46.971	ug/l	99
42) 1,2-Dichloroethane	8.40	62	133851	48.910	ug/l	100
43) Isopropyl Acetate	8.42	43	169268	48.882	ug/l	99
44) Trichloroethene	9.09	130	99388	48.956	ug/l	100
45) 1,2-Dichloropropane	9.37	63	114506	50.122	ug/l	97
46) Dibromomethane	9.46	93	52839	49.237	ug/l	99
47) Bromodichloromethane	9.65	83	138088	50.290	ug/l	99
48) Methyl methacrylate	9.43	41	82206	49.345	ug/l	96
49) 1,4-Dioxane	9.45	88	18657	1041.540	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	451485	249.596	ug/l	100
52) Toluene	10.38	92	254859	49.801	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	141570	48.437	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	166202	48.311	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	76011	49.927	ug/l	97
56) Ethyl methacrylate	10.65	69	114705	49.487	ug/l	98
57) 1,3-Dichloropropane	10.93	76	143937	49.997	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	253868	236.250	ug/l	99
59) 2-Hexanone	10.97	43	309911	247.049	ug/l	99
60) Dibromochloromethane	11.13	129	84413	50.563	ug/l	99
61) 1,2-Dibromoethane	11.23	107	72271	50.115	ug/l	99
64) Tetrachloroethene	10.86	164	83475	48.351	ug/l	98
65) Chlorobenzene	11.66	112	256483	49.307	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	91488	49.951	ug/l	99
67) Ethyl Benzene	11.73	91	487892	48.995	ug/l	99
68) m/p-Xylenes	11.84	106	355697	98.716	ug/l	99
69) o-Xylene	12.16	106	167315	49.267	ug/l	100
70) Styrene	12.18	104	295572	50.430	ug/l	100
71) Bromoform	12.35	173	47369	48.643	ug/l #	99
73) Isopropylbenzene	12.46	105	462063	48.695	ug/l	100
74) N-amyl acetate	12.27	43	156260	47.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	93351	47.993	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	120496	82.143	ug/l #	100
77) Bromobenzene	12.74	156	103922	48.802	ug/l	99
78) n-propylbenzene	12.80	91	569493	48.721	ug/l	100
79) 2-Chlorotoluene	12.89	91	324648	48.265	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	394518	48.940	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	26278	40.518	ug/l	99
82) 4-Chlorotoluene	12.99	91	344618	49.189	ug/l	100
83) tert-Butylbenzene	13.21	119	327864	48.767	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	396267	48.955	ug/l	99
85) sec-Butylbenzene	13.38	105	467826	48.224	ug/l	100
86) p-Isopropyltoluene	13.50	119	424852	48.828	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	204152	49.828	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	201320	48.797	ug/l	99
89) n-Butylbenzene	13.82	91	421781	48.593	ug/l	99
90) Hexachloroethane	14.09	117	75453	47.455	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	181610	48.860	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16293	47.224	ug/l	98

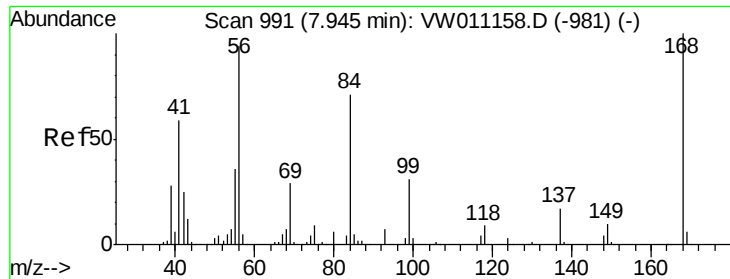
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	131939	51.536	ug/l	98
94) Hexachlorobutadiene	15.24	225	77471	49.289	ug/l	100
95) Naphthalene	15.37	128	253909	51.755	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	117248	51.892	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: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

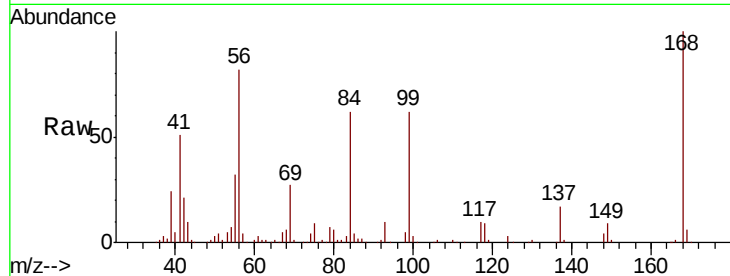
VSTDCCC050

Tot Ion:168 Resp: 171684

Ion Ratio Lower Upper

168 100

99 61.6 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): VW011158.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW011158.D (-981) (-)

7.95

80000

60000

40000

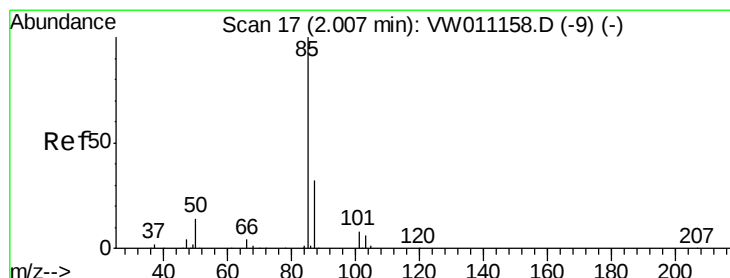
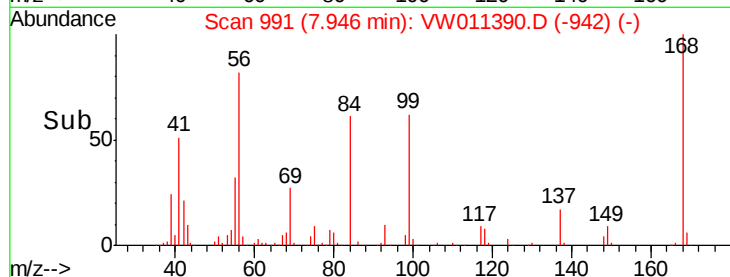
20000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 41.089 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011390.D

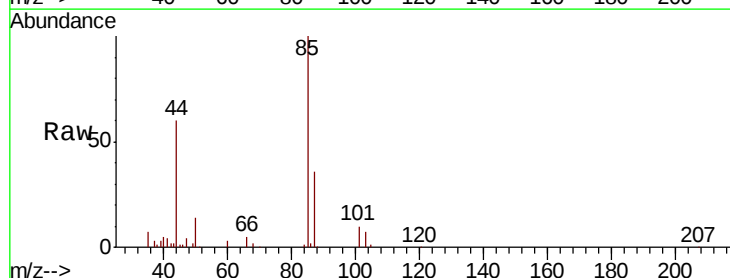
Acq: 19 Jul 2019 22:03

Tgt Ion: 85 Resp: 52611

Ion Ratio Lower Upper

85 100

87 35.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW011158.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VW011158.D (-9) (-)

20000

15000

10000

5000

0

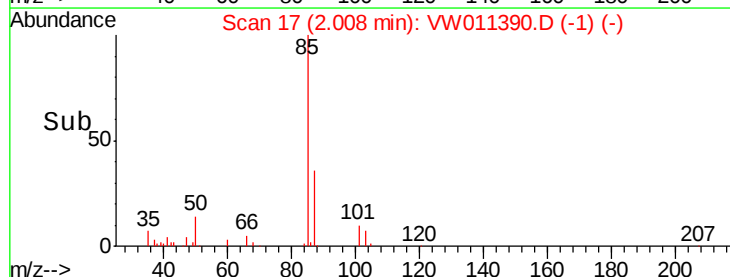
Time-->

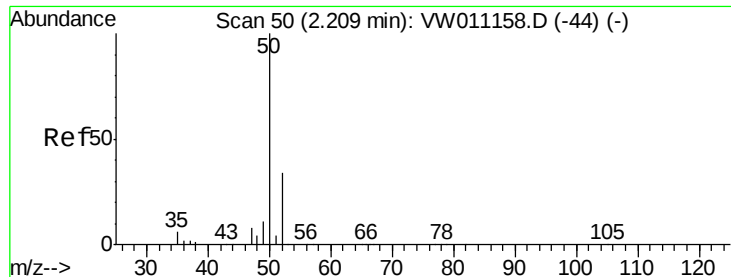
1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 51.357 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

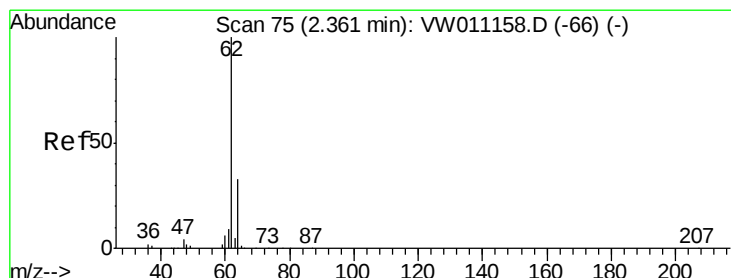
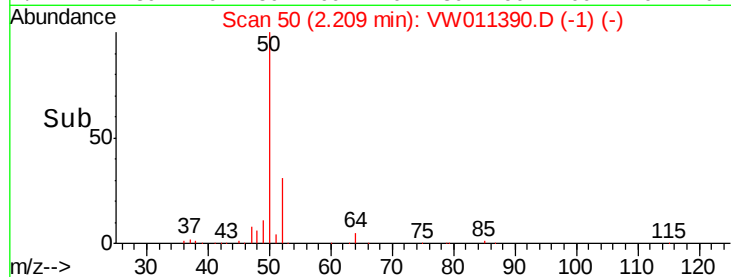
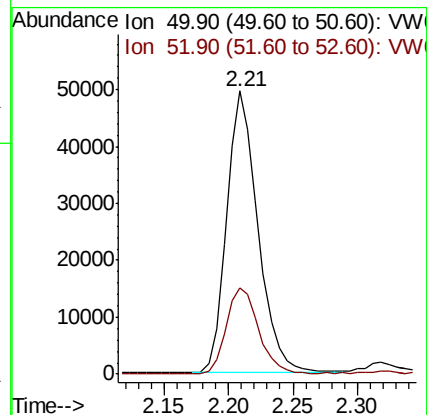
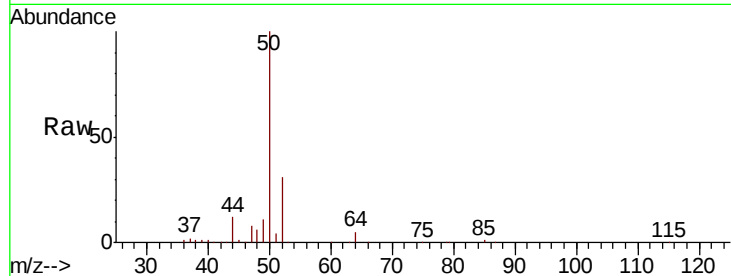
VSTDCCC050

Tot Ion: 50 Resp: 84735

Ion Ratio Lower Upper

50 100

52 30.7 26.9 40.3



#4

Vinyl Chloride

Concen: 43.819 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011390.D

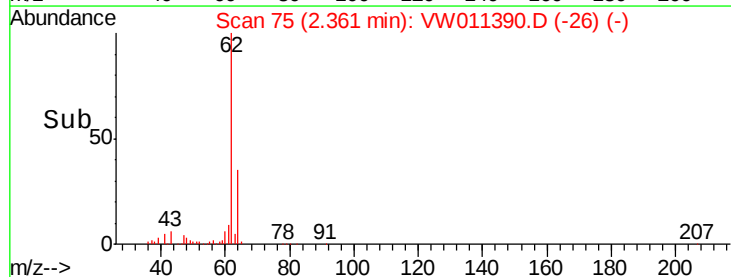
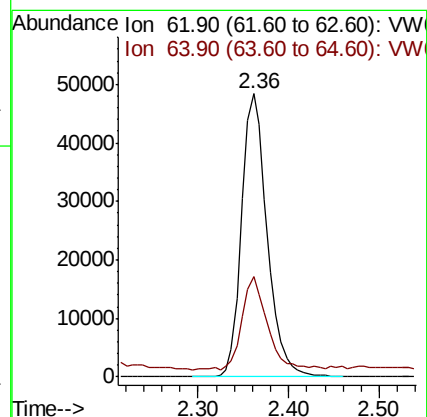
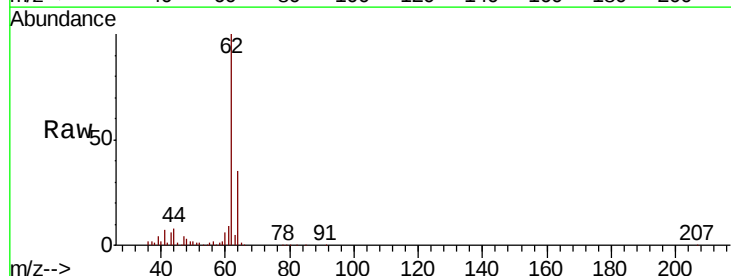
Acq: 19 Jul 2019 22:03

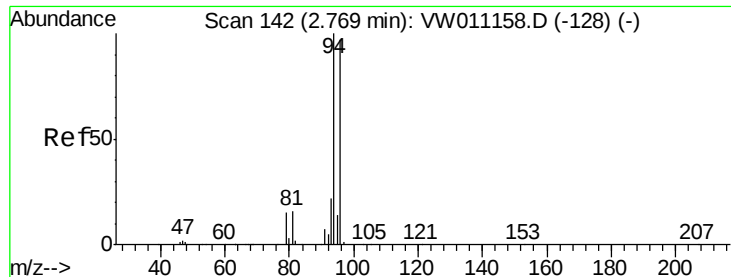
Tgt Ion: 62 Resp: 94626

Ion Ratio Lower Upper

62 100

64 32.8 26.6 40.0





#5

Bromomethane

Concen: 47.295 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

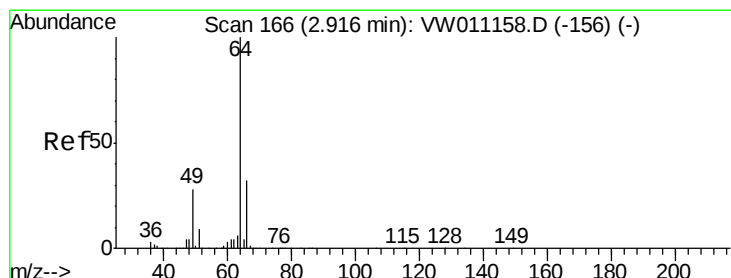
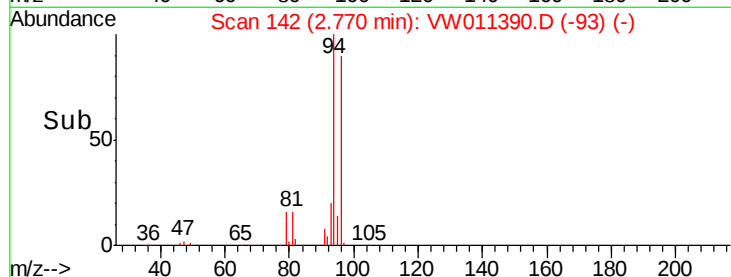
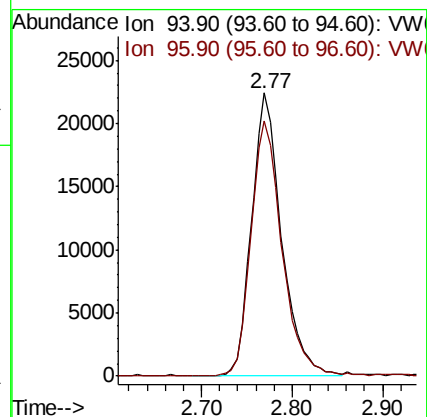
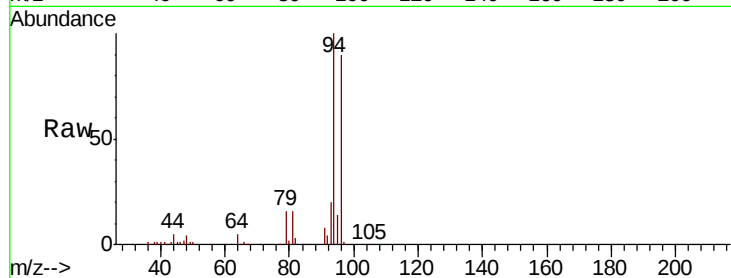
VSTDCCC050

Tot Ion: 94 Resp: 51321

Ion Ratio Lower Upper

94 100

96 90.2 77.4 116.0



#6

Chloroethane

Concen: 48.047 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011390.D

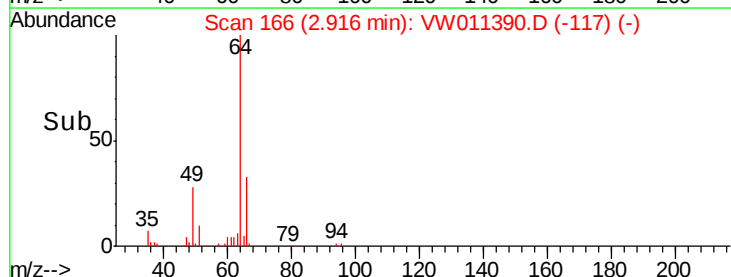
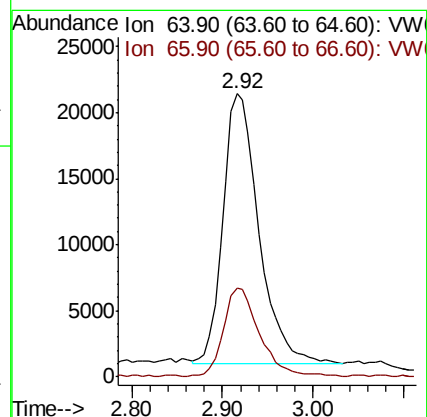
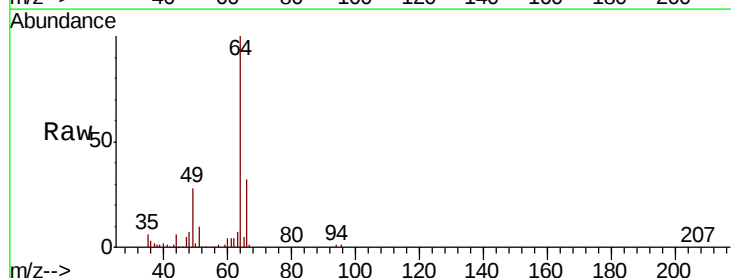
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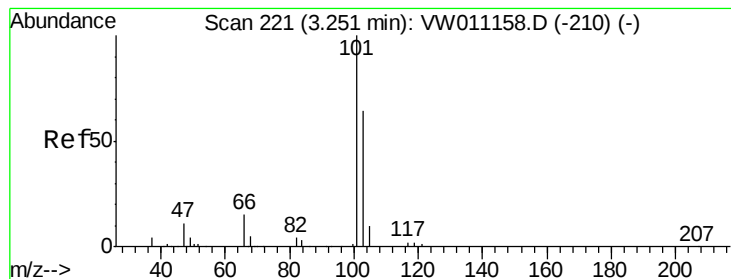
Tgt Ion: 64 Resp: 55886

Ion Ratio Lower Upper

64 100

66 32.7 25.8 38.8



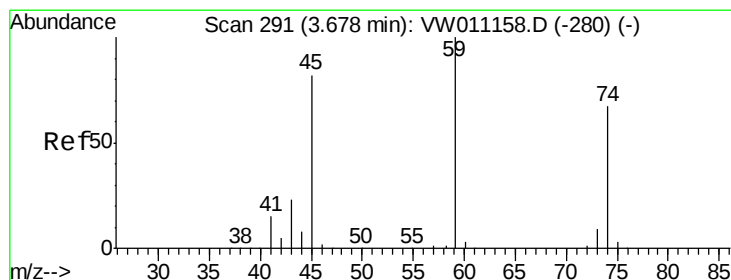
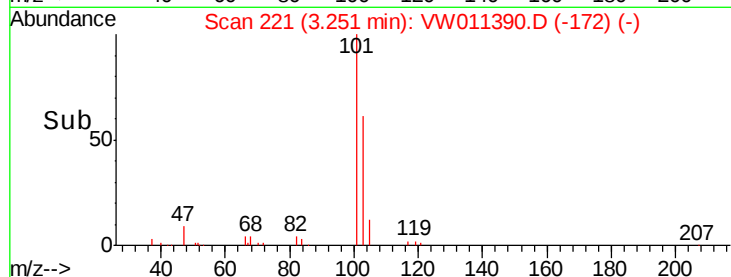
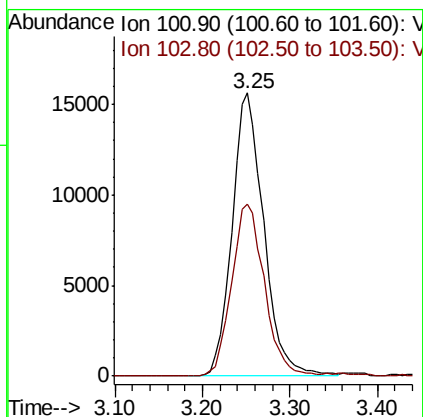
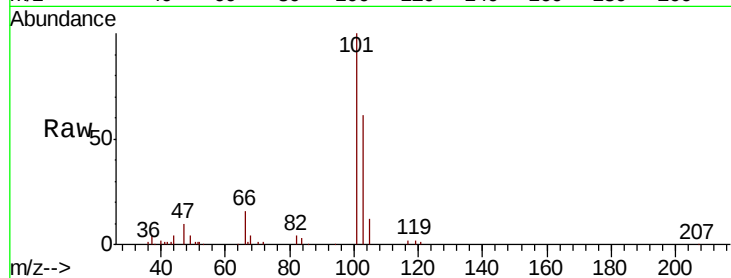


#7

Trichlorofluoromethane
 Concen: 51.280 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
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 VSTDCCC050

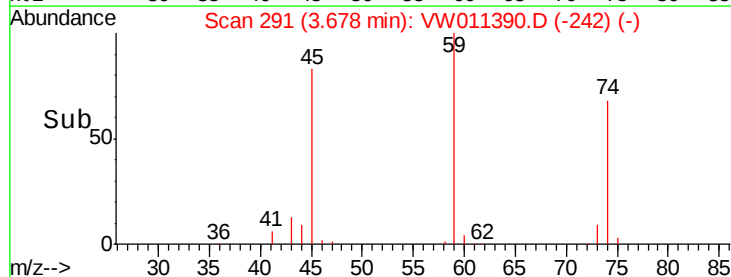
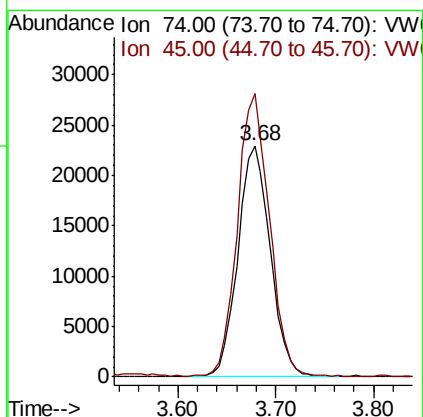
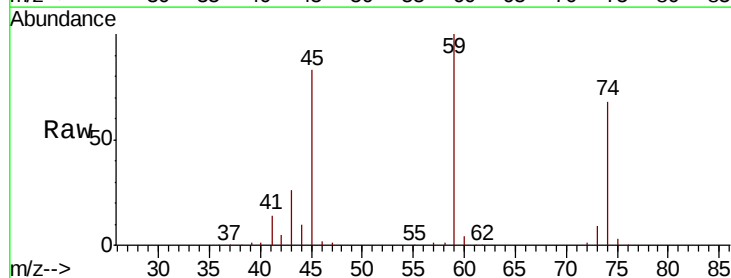
Tot Ion:101 Resp: 39340
 Ion Ratio Lower Upper
 101 100
 103 60.9 51.3 76.9



#8

Diethyl Ether
 Concen: 49.589 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion: 74 Resp: 52638
 Ion Ratio Lower Upper
 74 100
 45 121.5 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.963 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

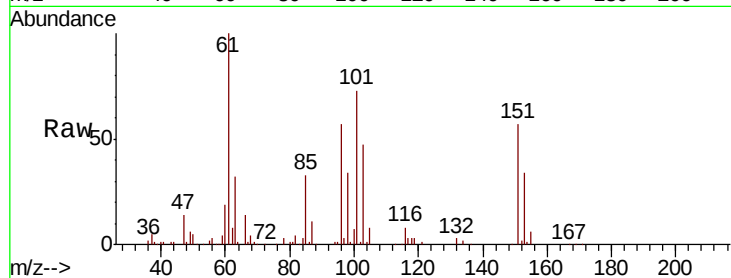
Tot Ion:101 Resp: 86298

Ion Ratio Lower Upper

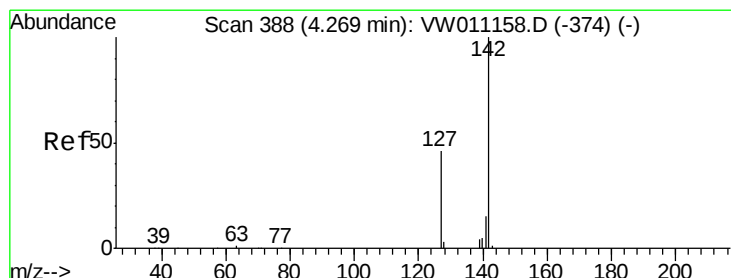
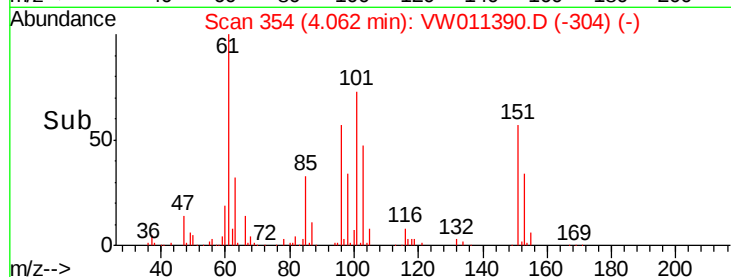
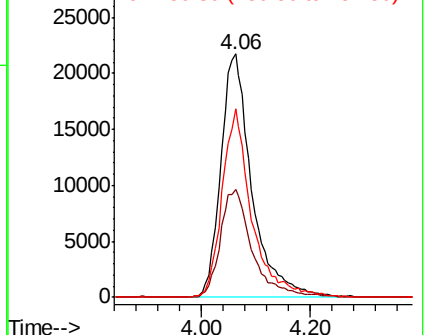
101 100

85 45.0 36.5 54.7

151 73.7 59.1 88.7



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



#10

Methyl Iodide

Concen: 49.753 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

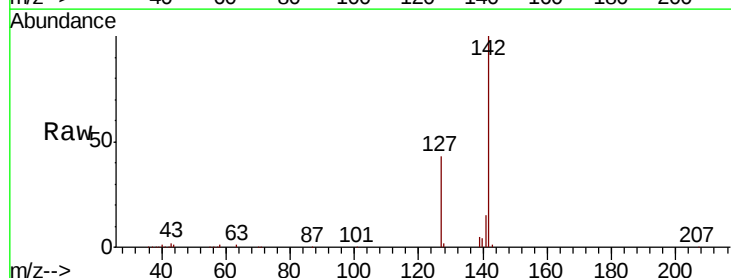
Tgt Ion:142 Resp: 125743

Ion Ratio Lower Upper

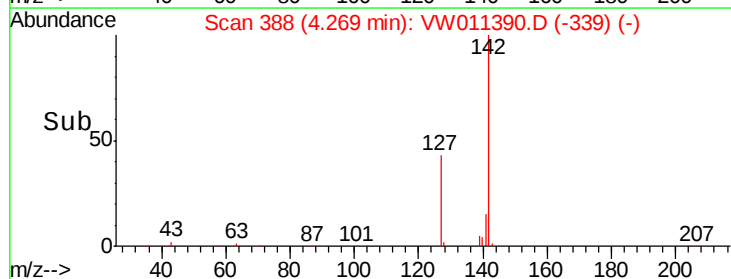
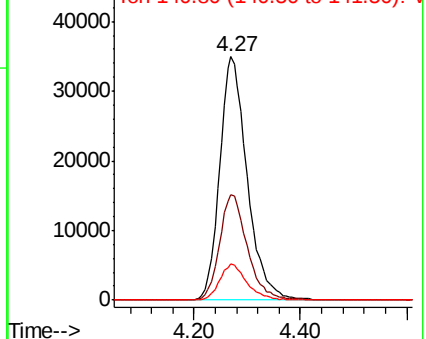
142 100

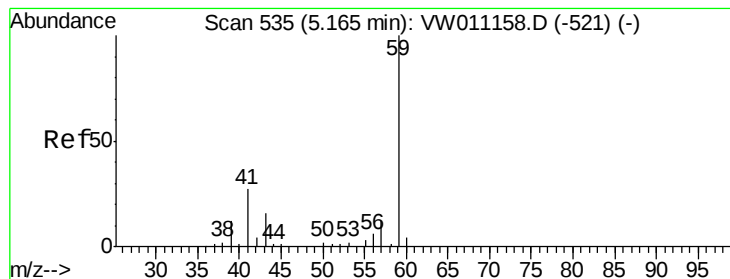
127 43.8 35.7 53.5

141 14.7 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



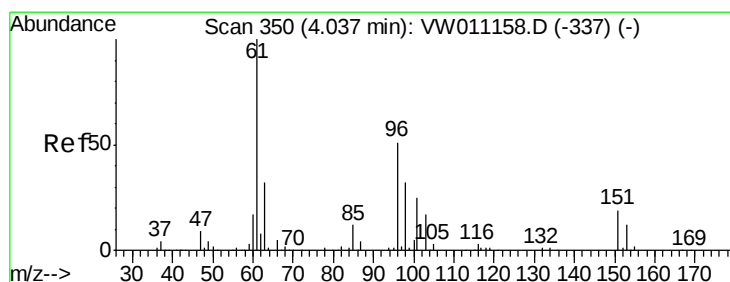
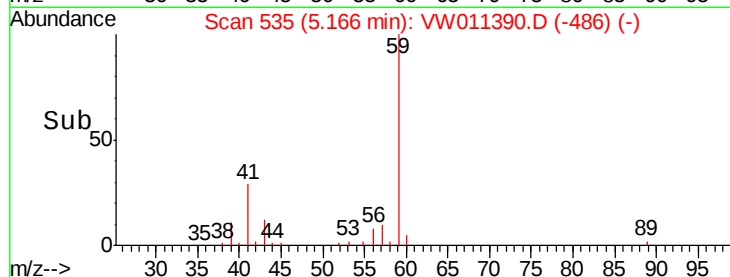
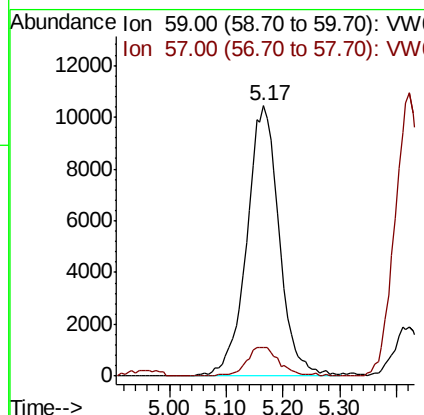
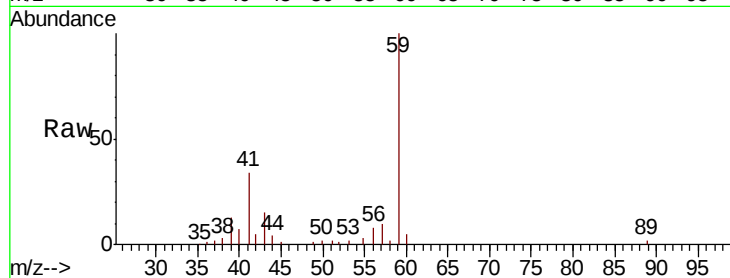


#11

Tert butyl alcohol
 Concen: 258.763 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

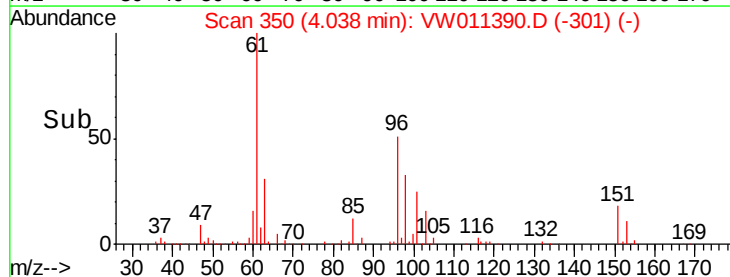
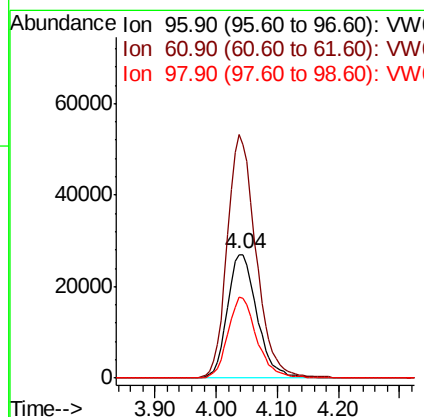
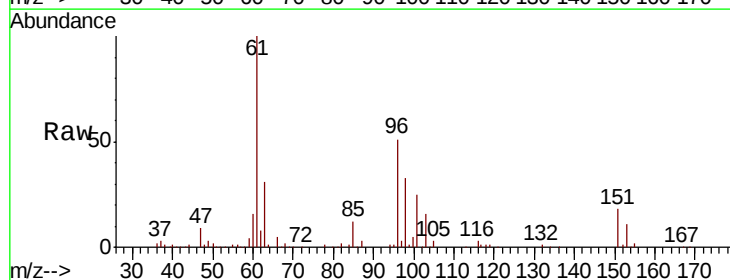
Tot Ion: 59 Resp: 41329
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.0 13.6

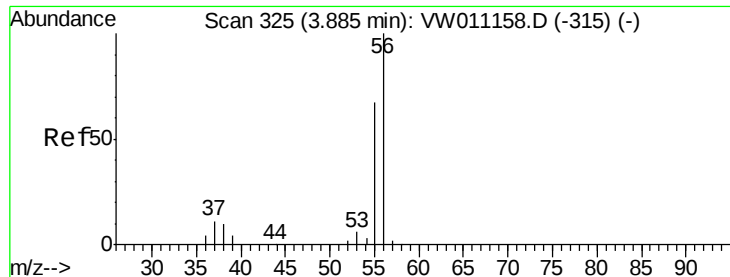


#12

1,1-Dichloroethene
 Concen: 47.465 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion: 96 Resp: 90528
 Ion Ratio Lower Upper
 96 100
 61 196.7 157.7 236.5
 98 65.0 50.9 76.3

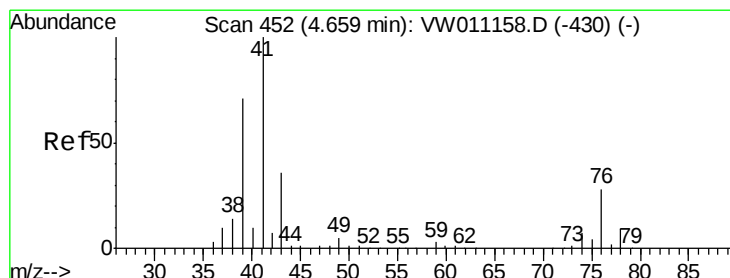
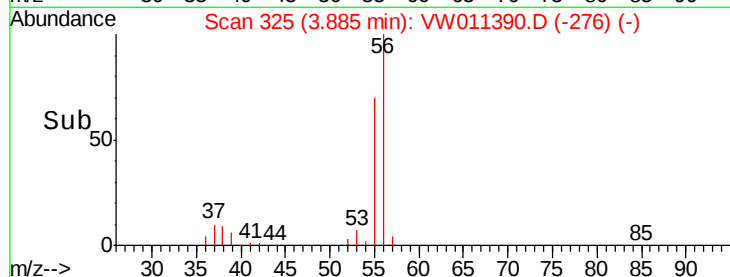
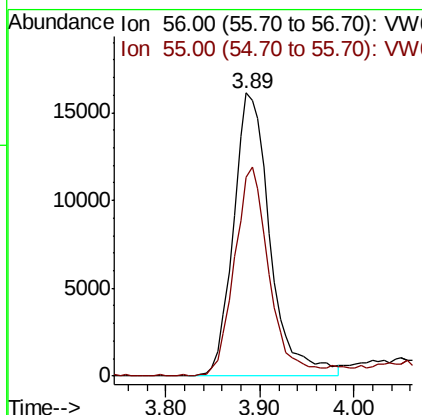
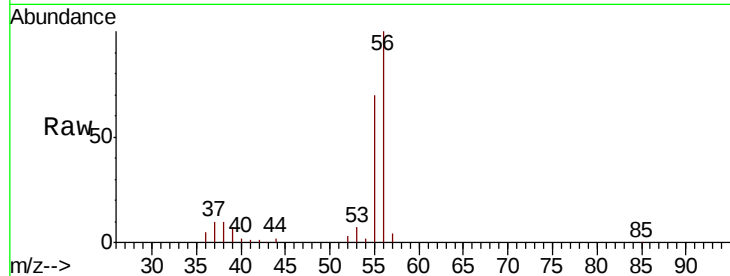




#13
Acrolein
Concen: 343.980 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

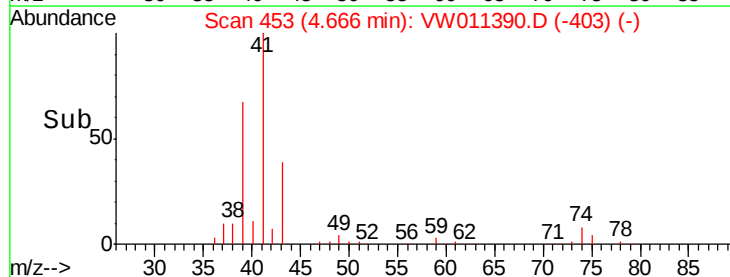
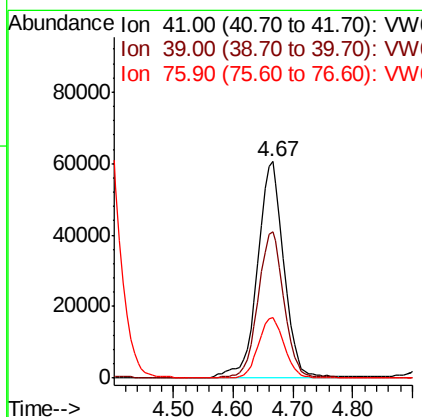
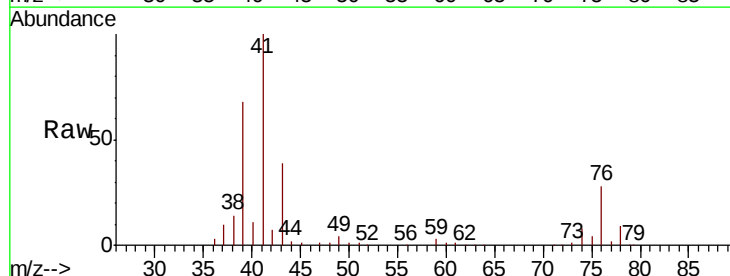
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

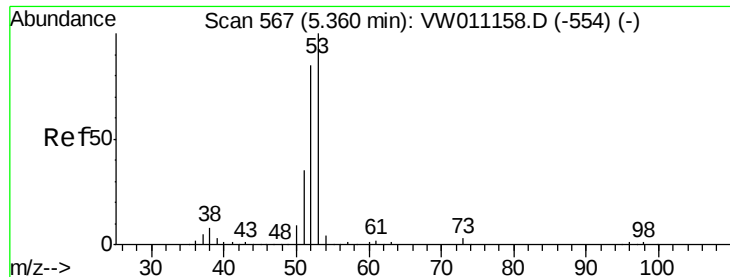
Tot Ion: 56 Resp: 43748
Ion Ratio Lower Upper
56 100
55 70.1 56.4 84.6



#14
Allyl chloride
Concen: 53.334 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion: 41 Resp: 185493
Ion Ratio Lower Upper
41 100
39 66.2 55.1 82.7
76 27.5 22.5 33.7





#15

Acrylonitrile

Concen: 260.771 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

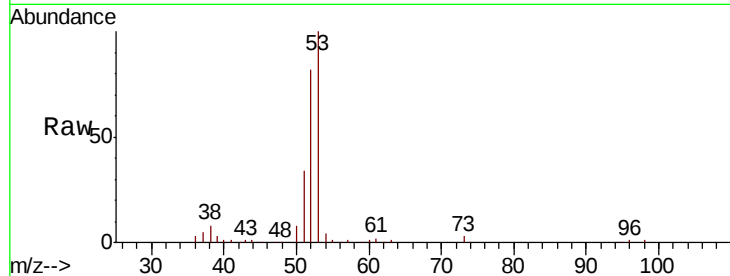
Tot Ion: 53 Resp: 140973

Ion Ratio Lower Upper

53 100

52 82.7 66.2 99.4

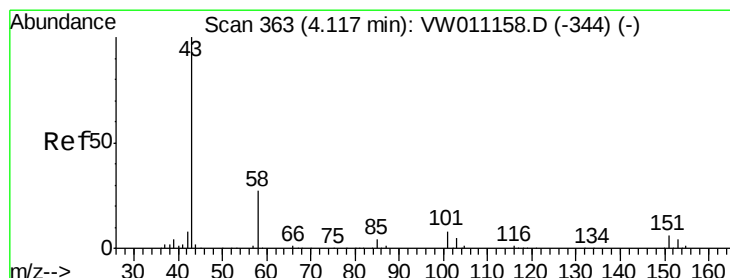
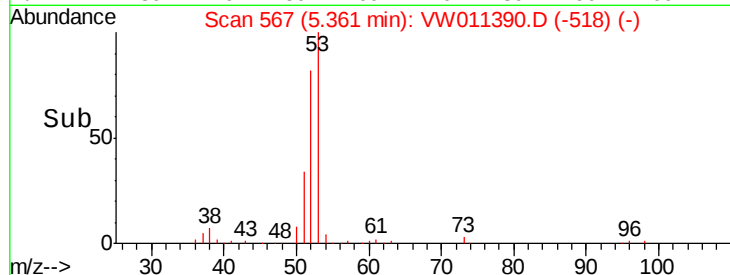
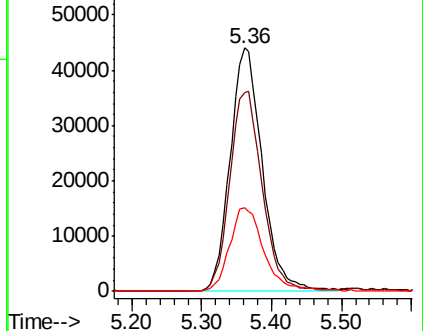
51 36.5 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 271.610 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011390.D

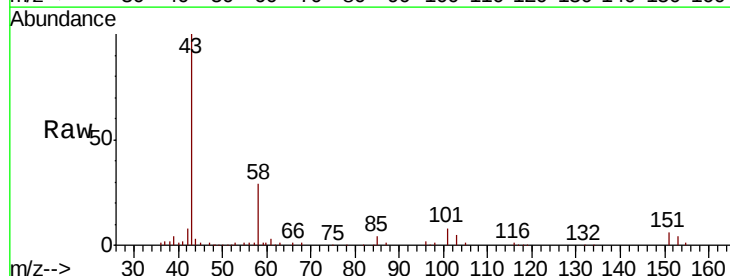
Acq: 19 Jul 2019 22:03

Tgt Ion: 43 Resp: 140983

Ion Ratio Lower Upper

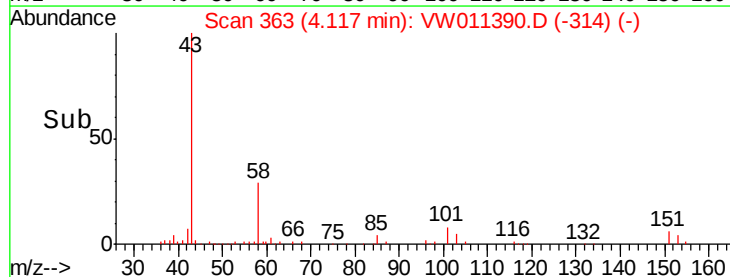
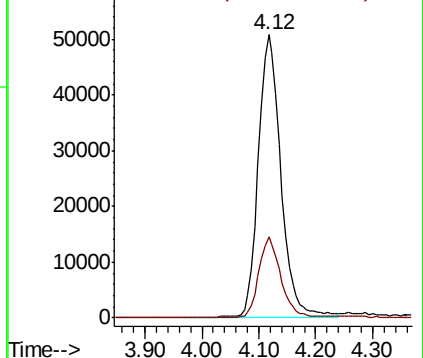
43 100

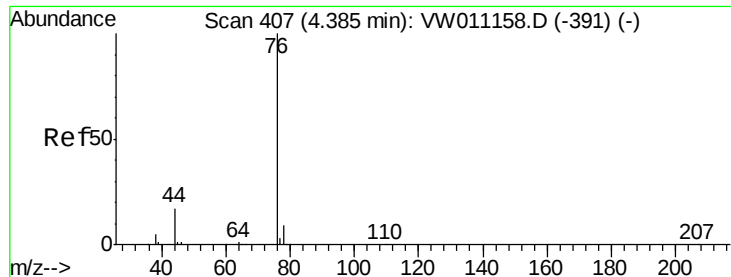
58 28.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

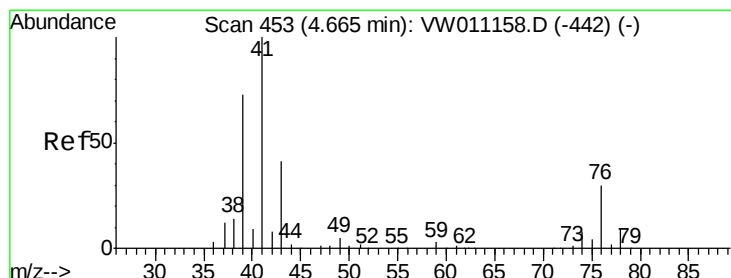
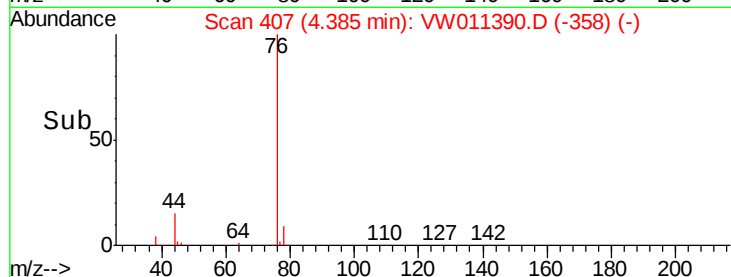
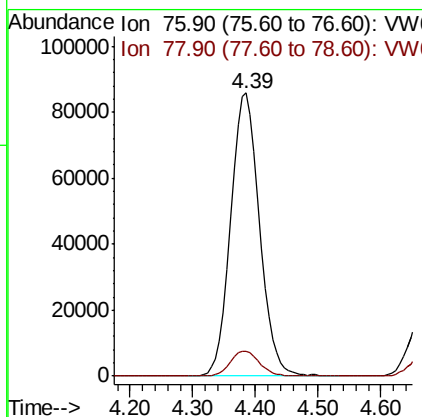
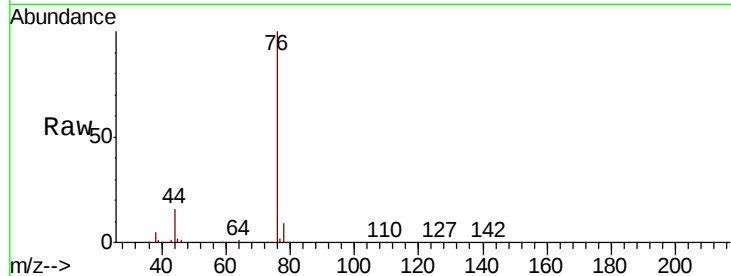




#17
Carbon Disulfide
Concen: 47.144 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

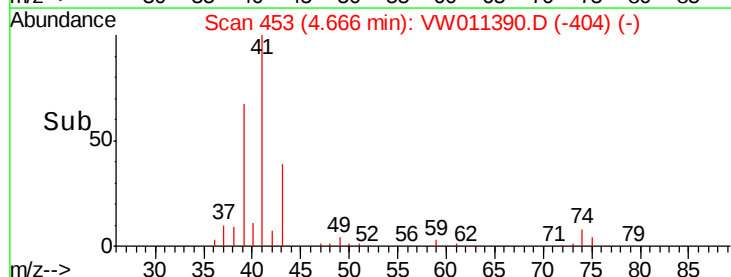
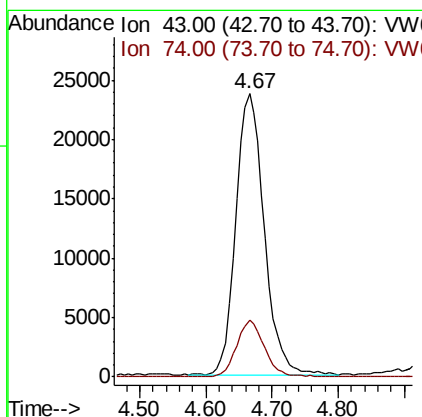
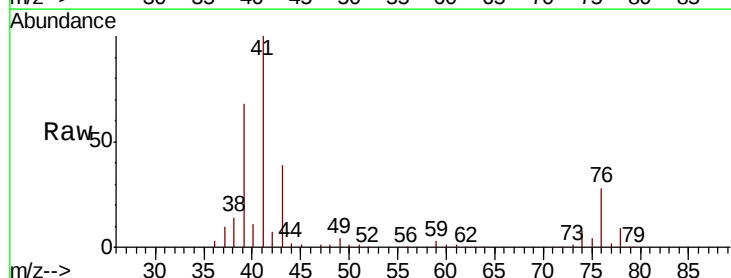
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

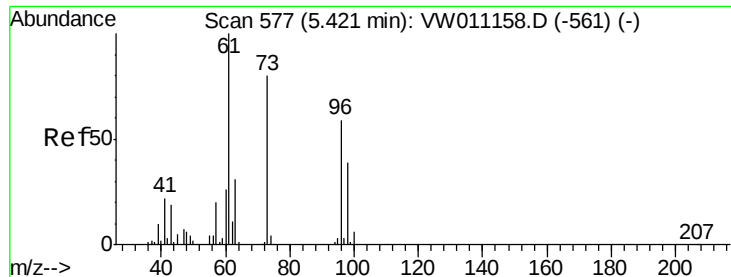
Tot Ion: 76 Resp: 272595
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 47.925 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion: 43 Resp: 70828
Ion Ratio Lower Upper
43 100
74 19.9 15.7 23.5

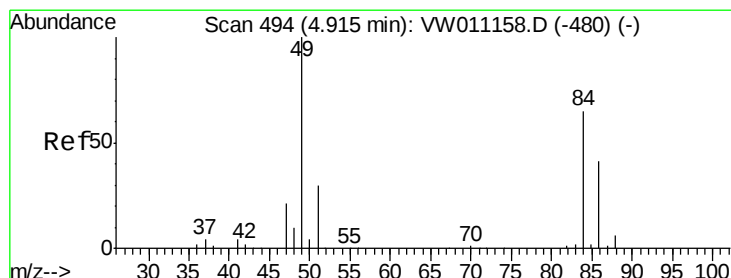
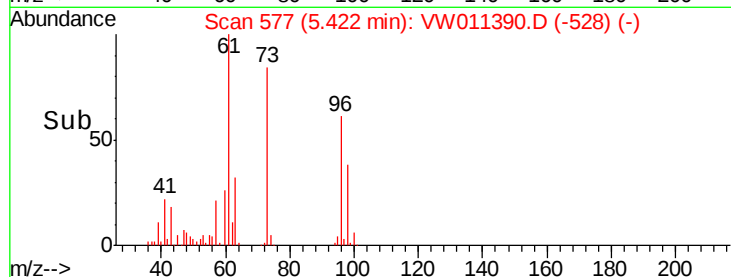
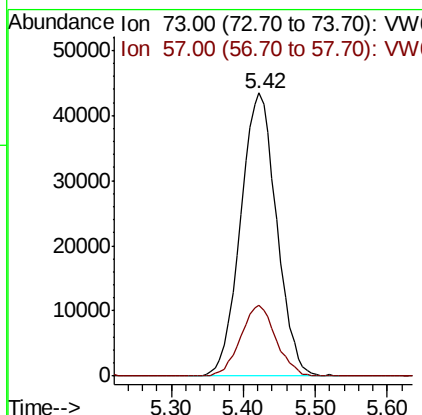
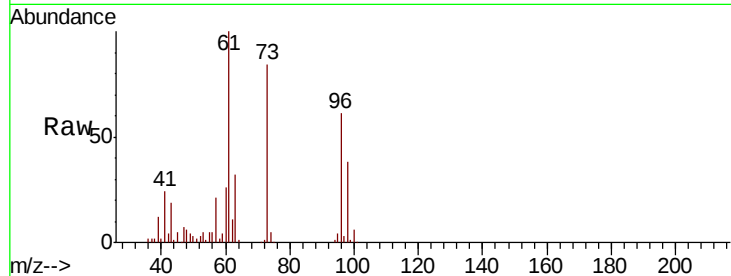




#19
Methyl tert-butyl Ether
Concen: 52.122 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

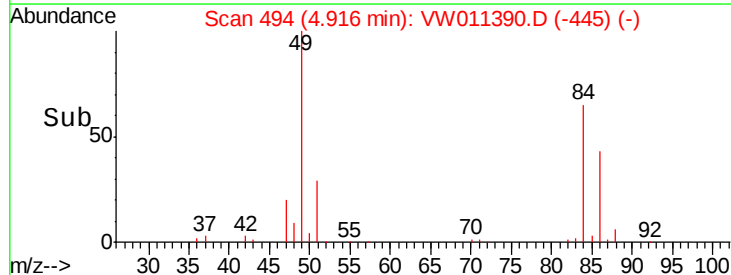
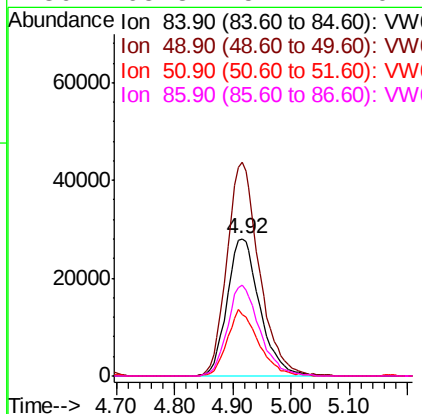
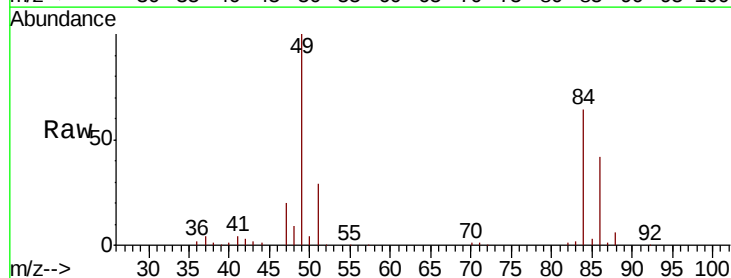
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

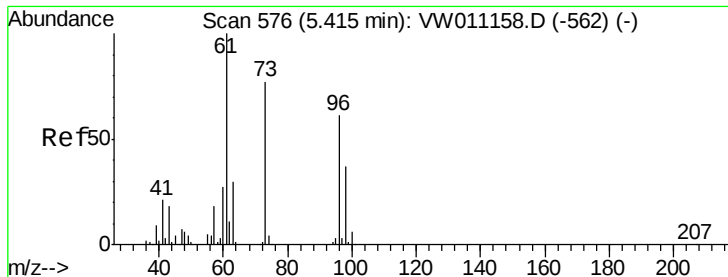
Tot Ion: 73 Resp: 150836
Ion Ratio Lower Upper
73 100
57 25.2 19.7 29.5



#20
Methylene Chloride
Concen: 53.635 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion: 84 Resp: 109827
Ion Ratio Lower Upper
84 100
49 155.2 123.8 185.6
51 44.7 37.4 56.2
86 65.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.015 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

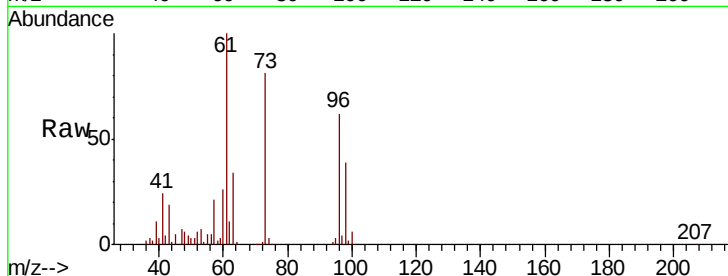
Tot Ion: 96 Resp: 97137

Ion Ratio Lower Upper

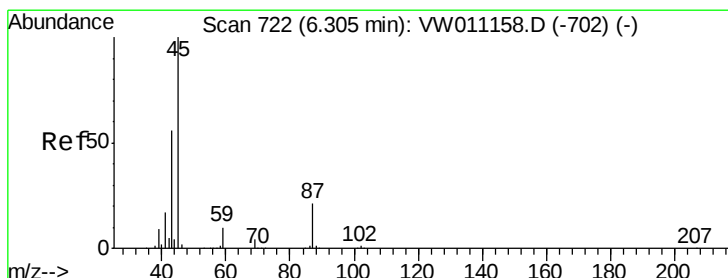
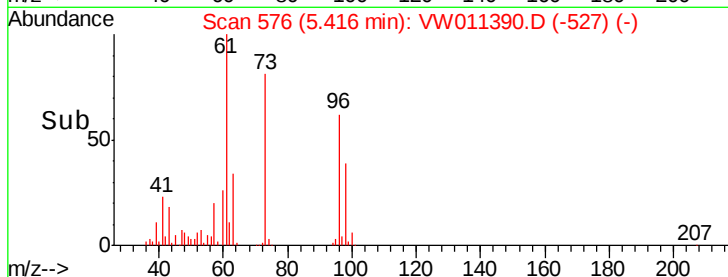
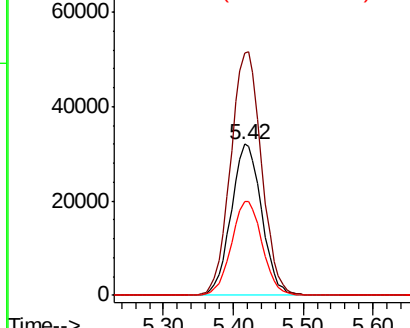
96 100

61 160.5 132.2 198.2

98 62.0 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: 51.329 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Tgt Ion: 45 Resp: 383962

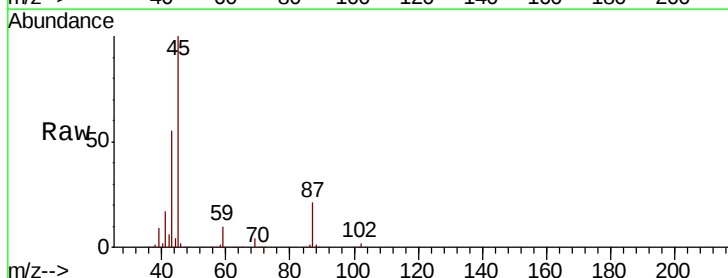
Ion Ratio Lower Upper

45 100

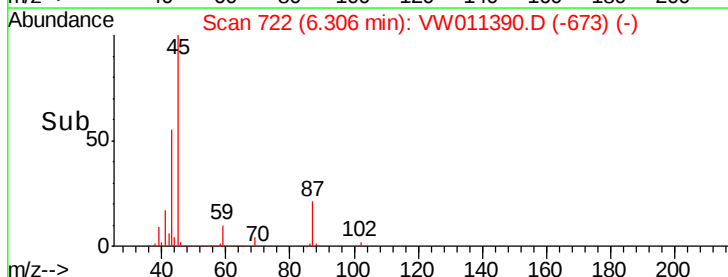
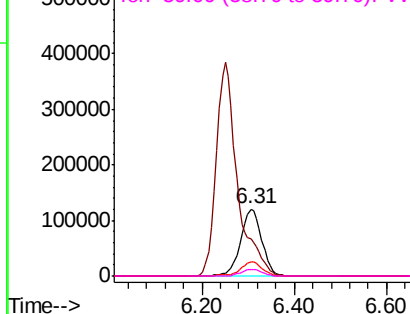
43 54.9 44.6 66.8

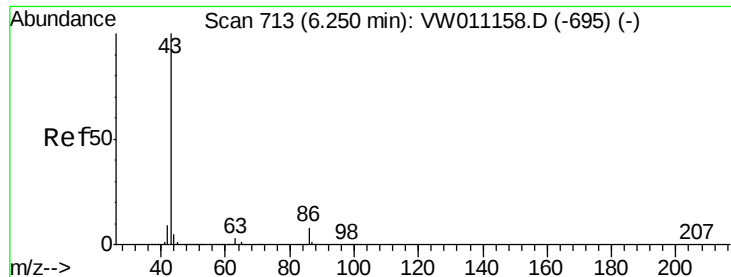
87 20.7 17.3 25.9

59 9.8 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: 265.543 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

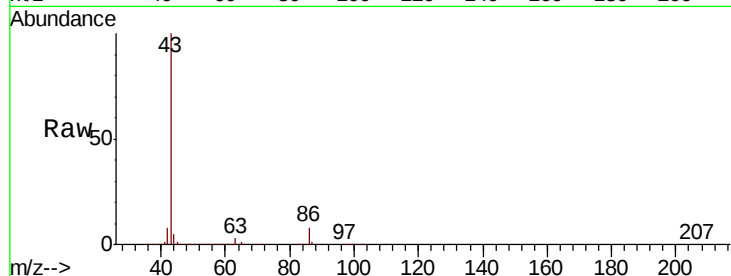
VSTDCCC050

Tot Ion: 43 Resp: 1229301

Ion Ratio Lower Upper

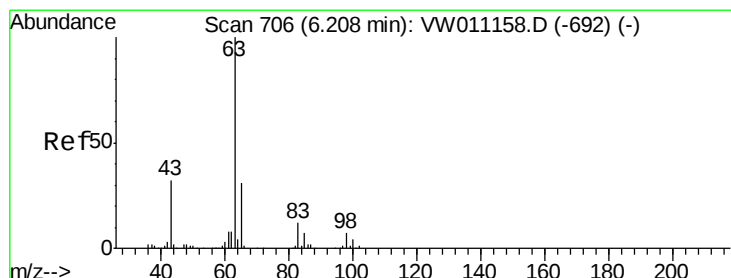
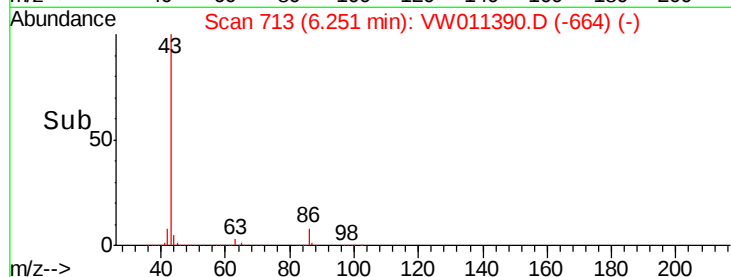
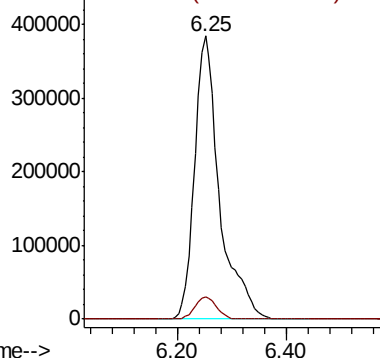
43 100

86 8.0 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: 50.520 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

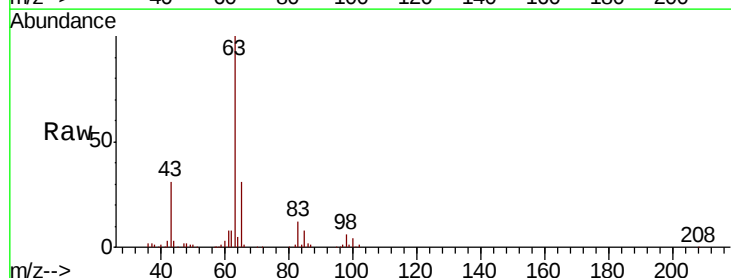
Tgt Ion: 63 Resp: 198444

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.9

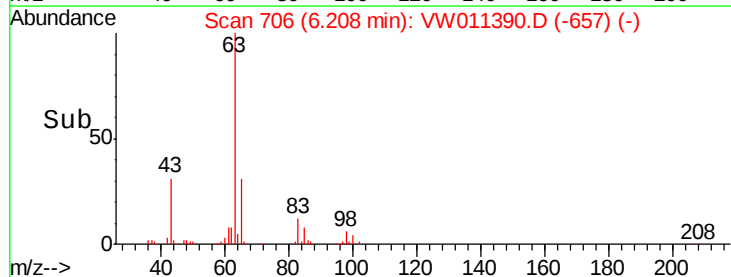
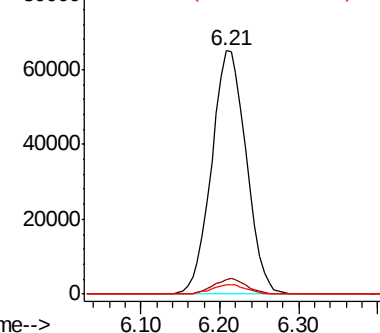
100 3.7 2.1 6.2



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: 259.755 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampled :

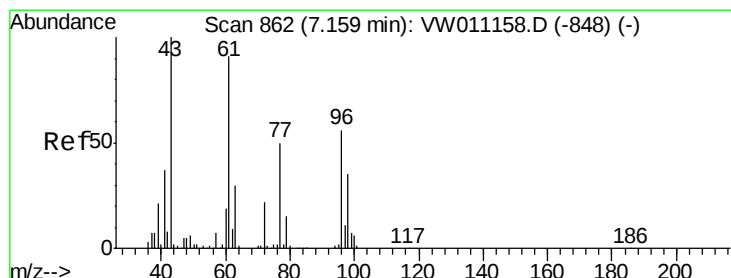
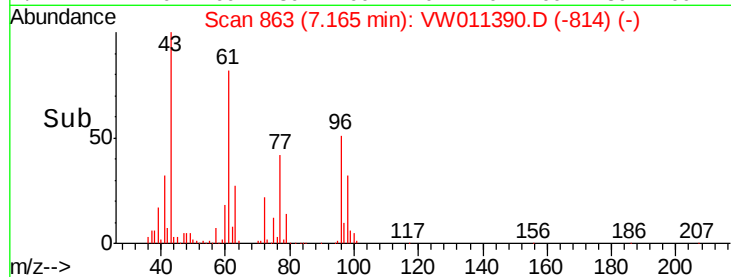
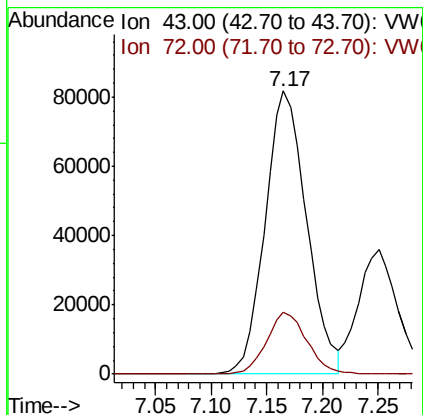
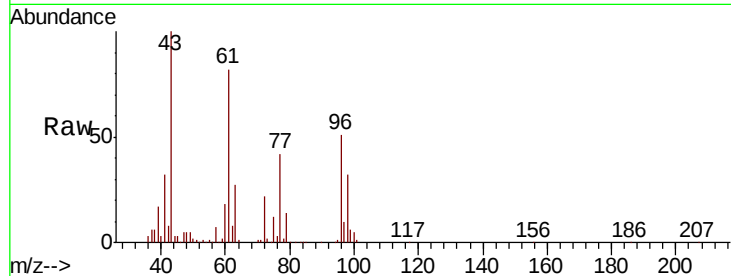
VSTDCCC050

Tot Ion: 43 Resp: 211647

Ion Ratio Lower Upper

43 100

72 21.9 17.6 26.4



#26

2,2-Dichloropropane

Concen: 50.177 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011390.D

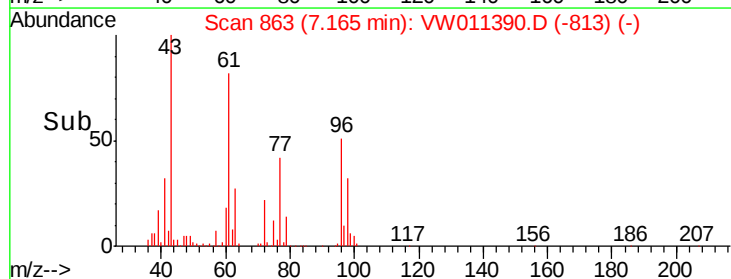
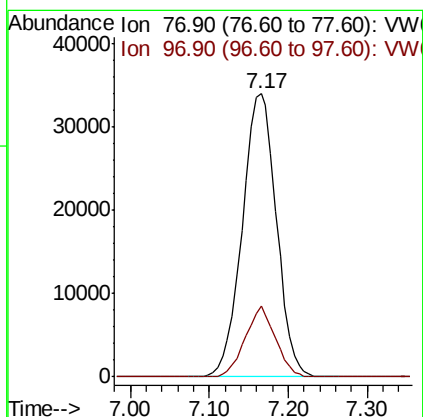
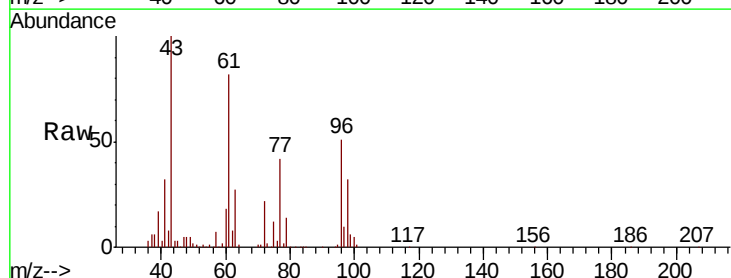
Acq: 19 Jul 2019 22:03

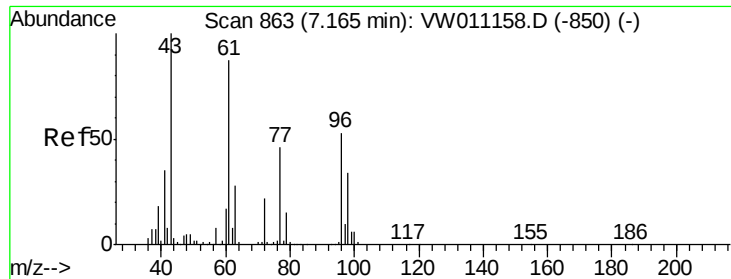
Tgt Ion: 77 Resp: 102453

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.5



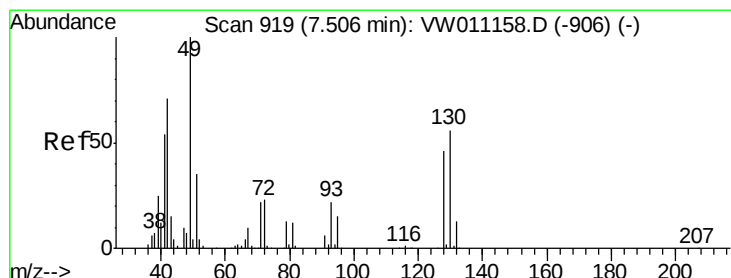
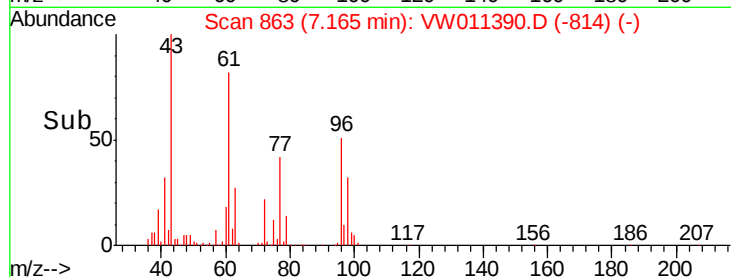
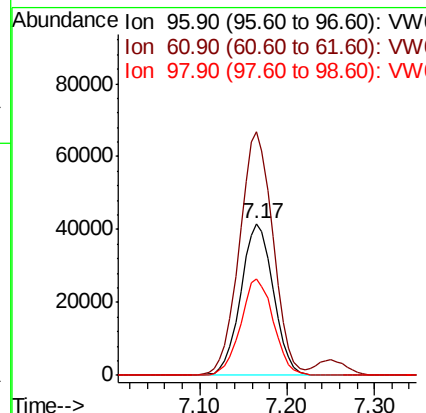
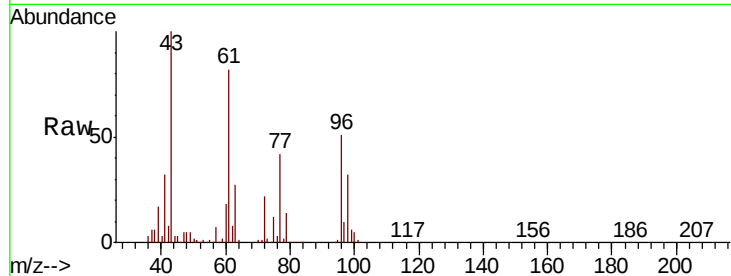


#27

cis-1,2-Dichloroethene
 Concen: 50.326 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

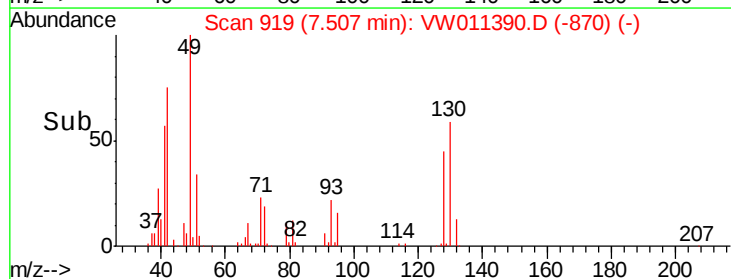
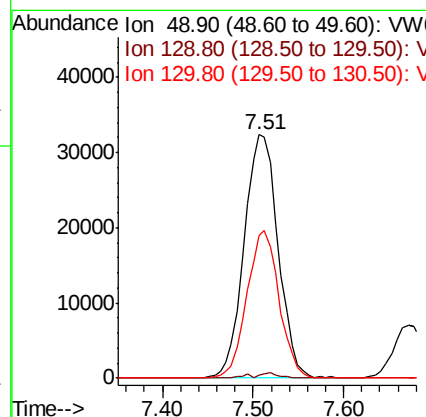
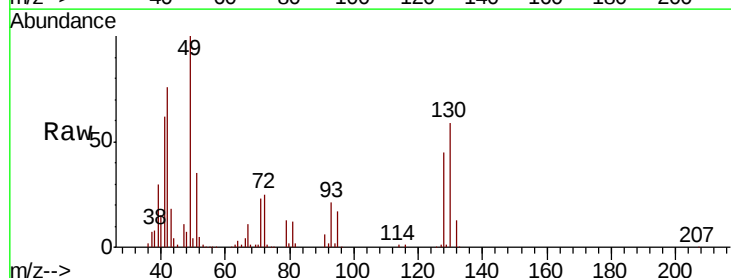
Tot Ion	Ratio	Lower	Upper
96	100		
61	165.5	0.0	325.6
98	64.0	0.0	128.2

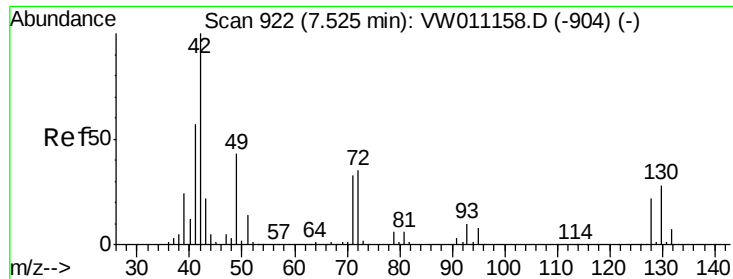


#28

Bromochloromethane
 Concen: 46.961 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	1.4
130	57.4	45.8	68.8

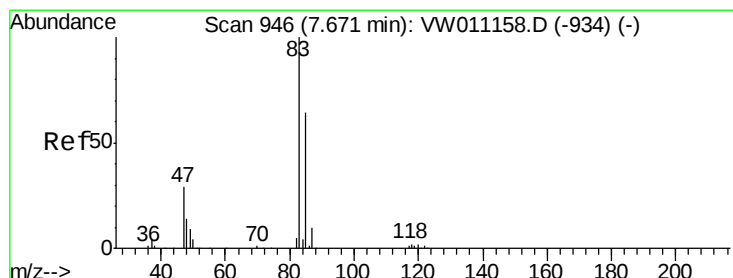
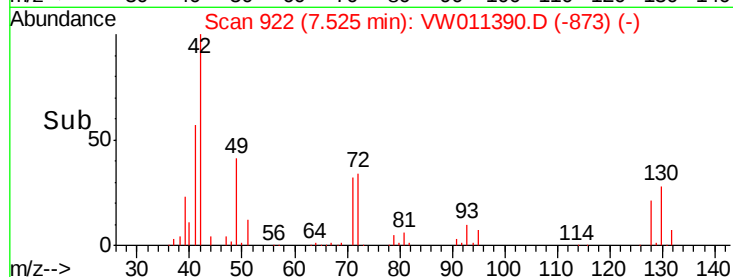
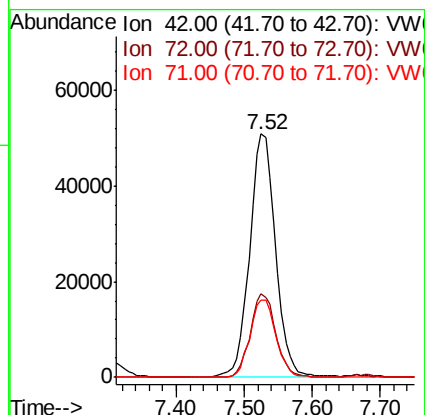
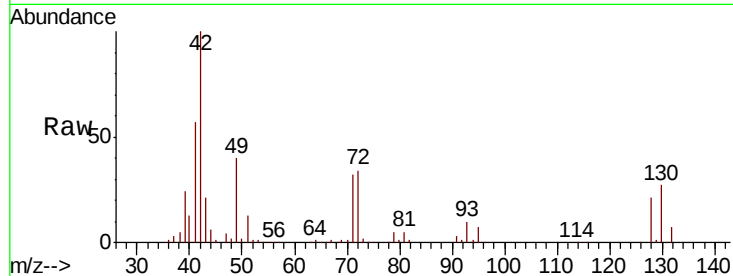




#29
Tetrahydrofuran
Concen: 251.263 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

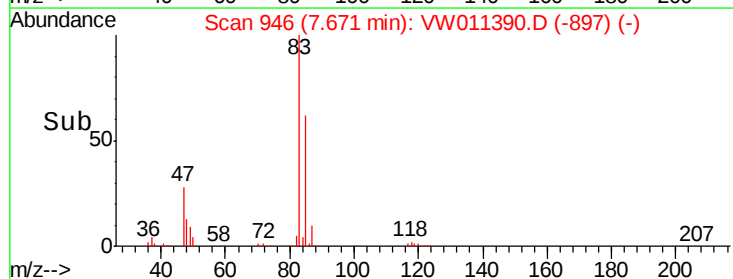
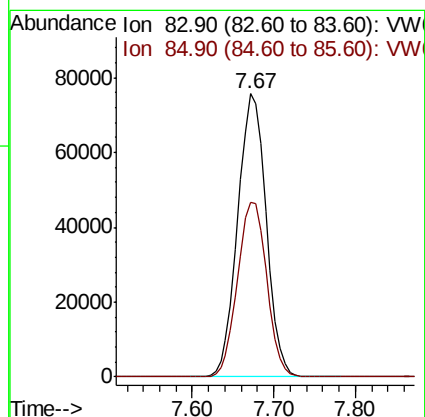
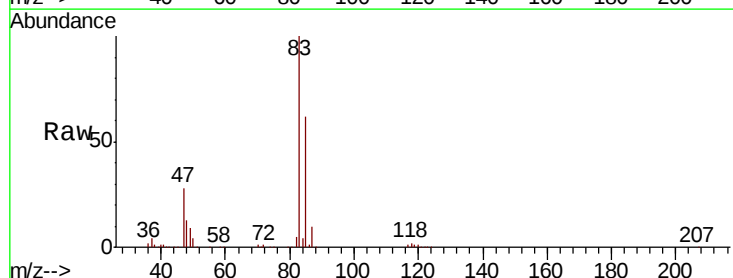
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

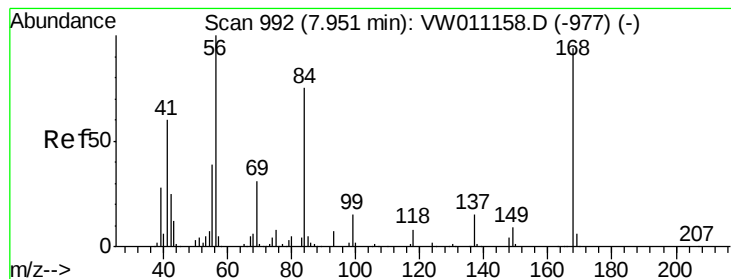
Tot Ion: 42 Resp: 134242
Ion Ratio Lower Upper
42 100
72 34.2 27.4 41.2
71 32.2 25.9 38.9



#30
Chloroform
Concen: 50.266 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion: 83 Resp: 182855
Ion Ratio Lower Upper
83 100
85 61.6 51.4 77.2





#31

Cyclohexane

Concen: 44.820 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

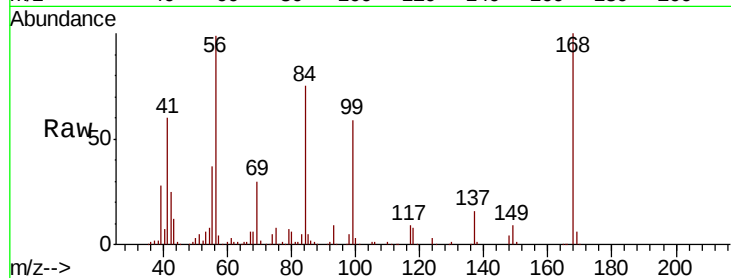
Tot Ion: 56 Resp: 187298

Ion Ratio Lower Upper

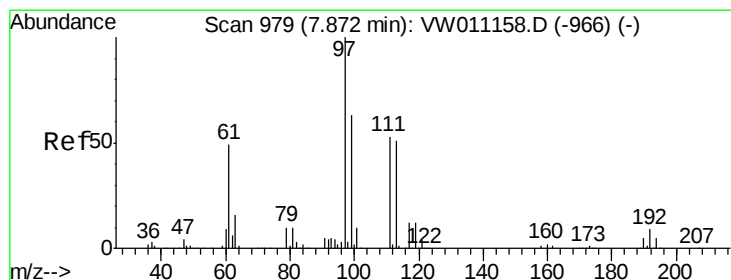
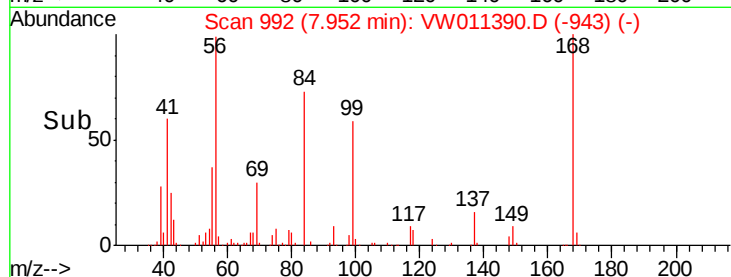
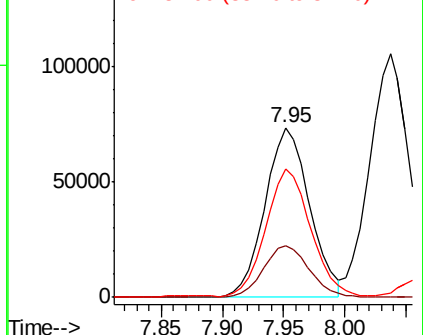
56 100

69 30.6 24.6 36.8

84 74.7 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: 49.564 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

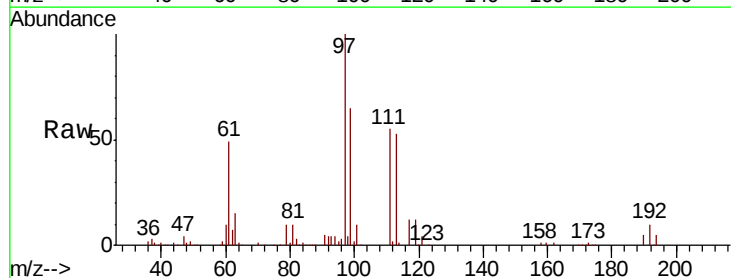
Tgt Ion: 97 Resp: 137155

Ion Ratio Lower Upper

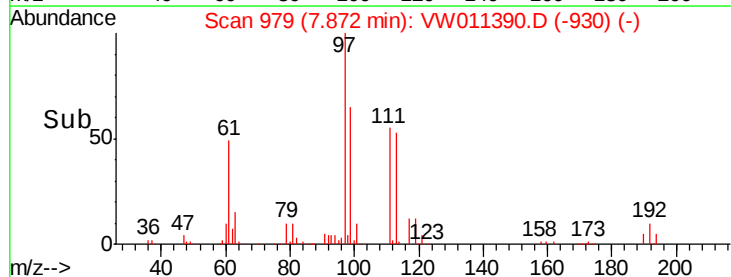
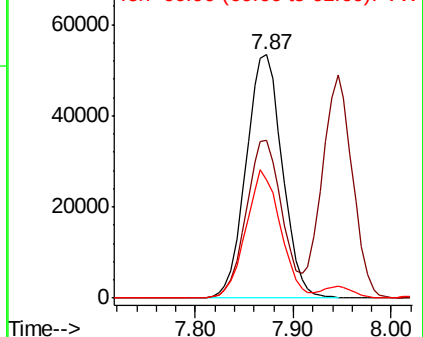
97 100

99 64.5 51.0 76.4

61 50.5 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: 47.073 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampled :

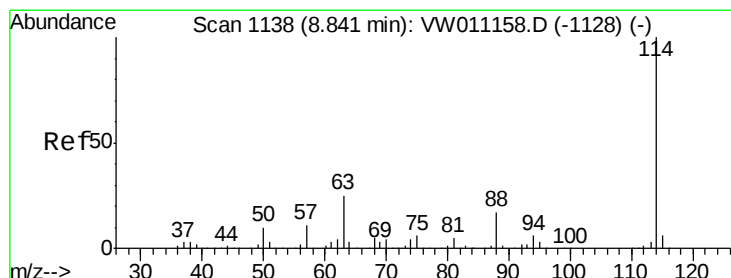
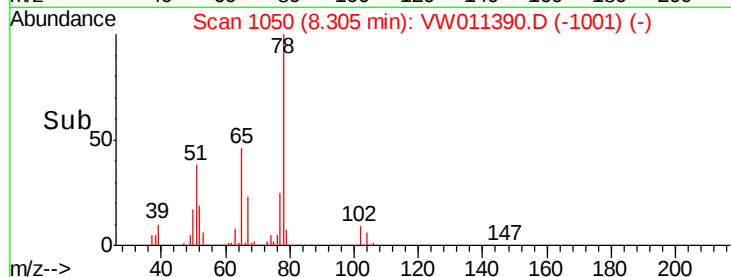
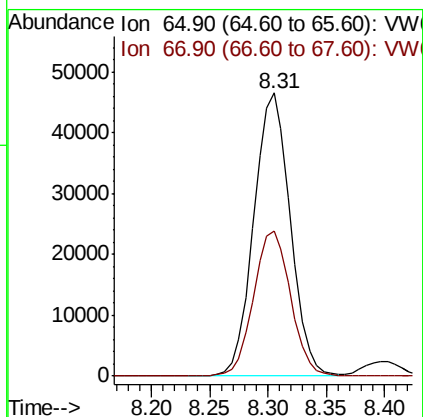
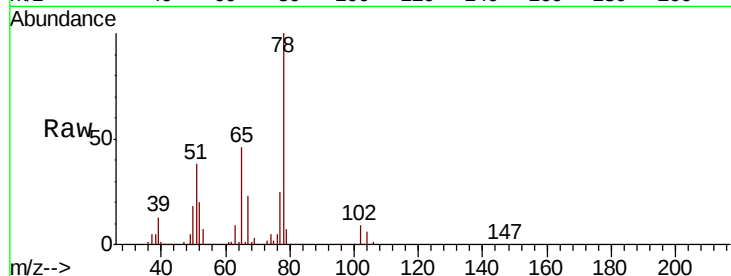
VSTDCCC050

Tot Ion: 65 Resp: 101549

Ion Ratio Lower Upper

65 100

67 52.0 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: VW011390.D

Acq: 19 Jul 2019 22:03

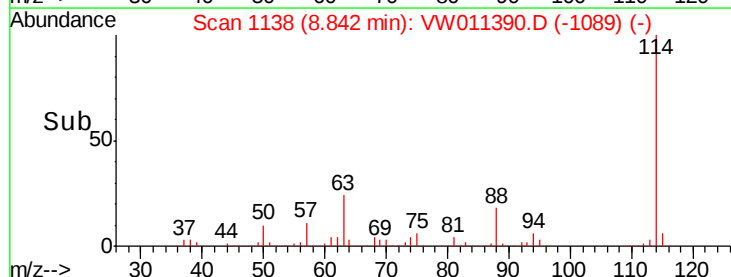
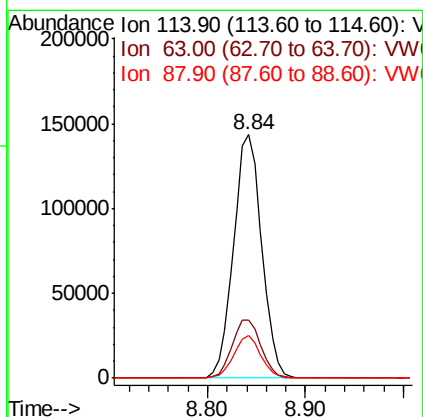
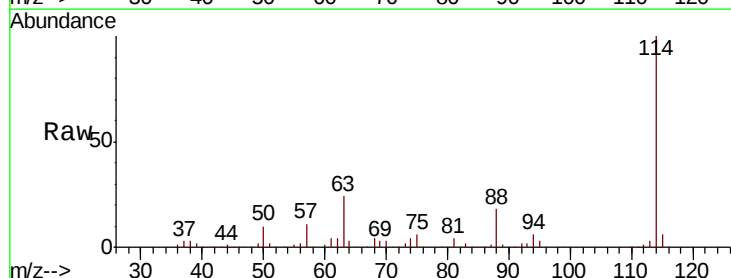
Tgt Ion: 114 Resp: 286659

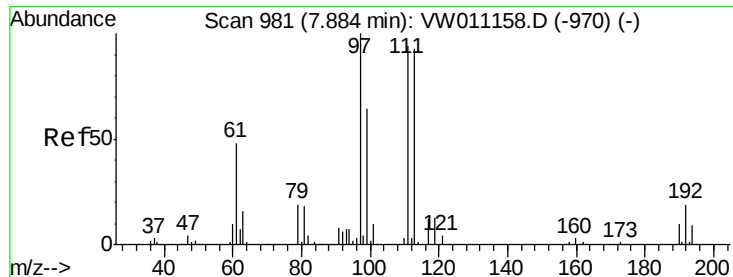
Ion Ratio Lower Upper

114 100

63 24.0 0.0 50.8

88 17.5 0.0 34.2

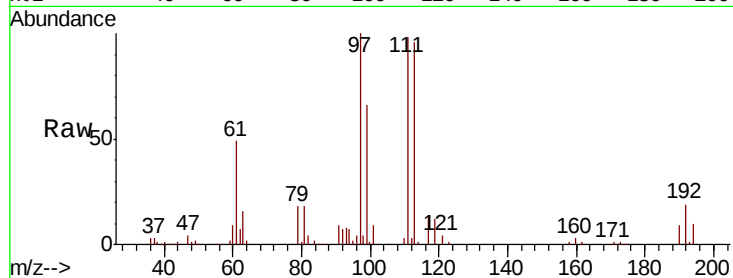




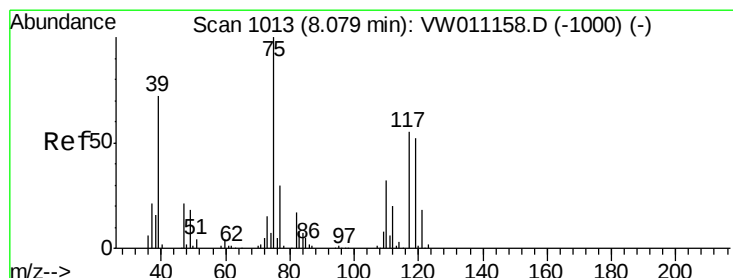
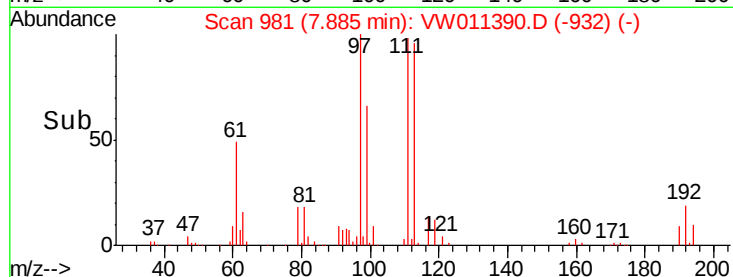
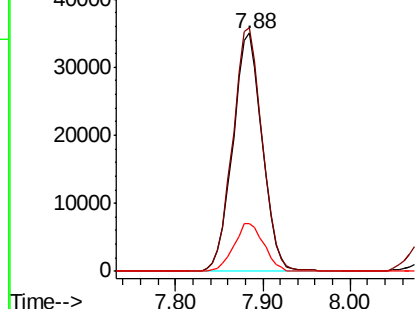
#35
 Dibromofluoromethane
 Concen: 47.935 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 81903
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 20.4 15.8 23.8

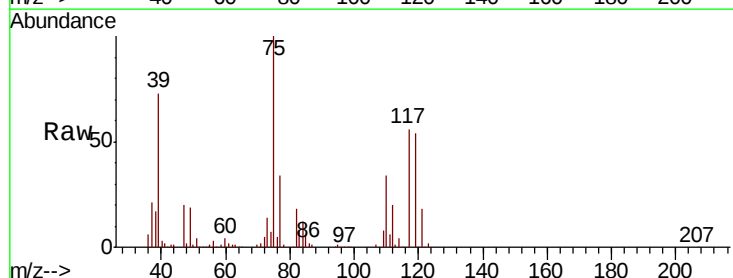


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

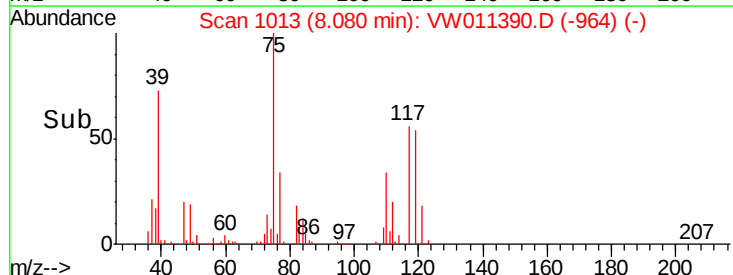
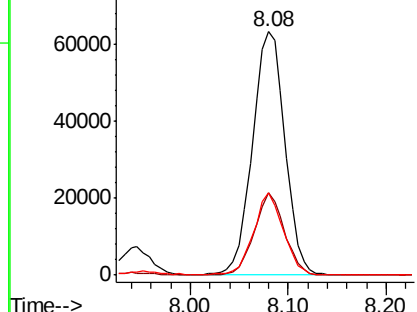


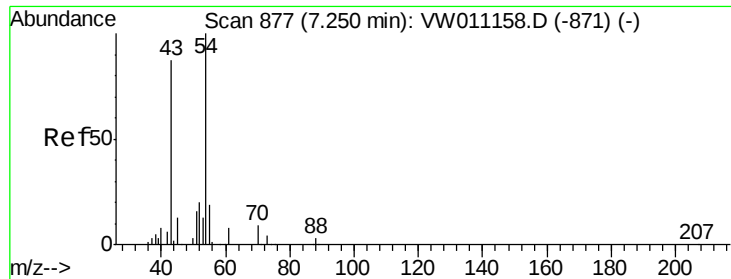
#36
 1,1-Dichloropropene
 Concen: 47.550 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion: 75 Resp: 145153
 Ion Ratio Lower Upper
 75 100
 110 31.3 15.9 47.6
 77 31.3 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

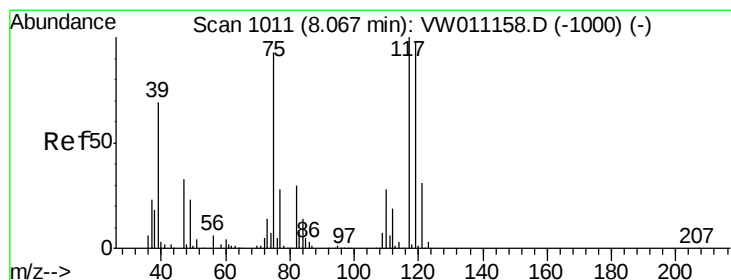
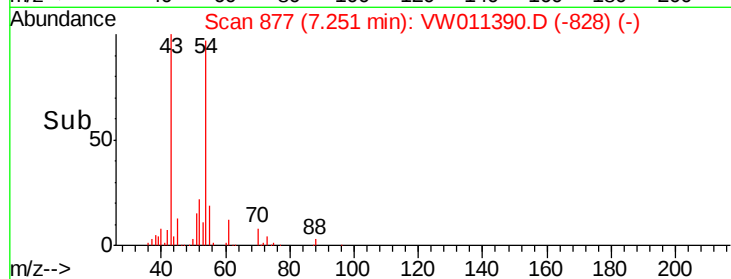
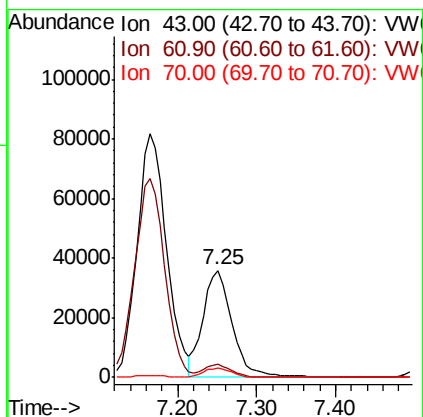
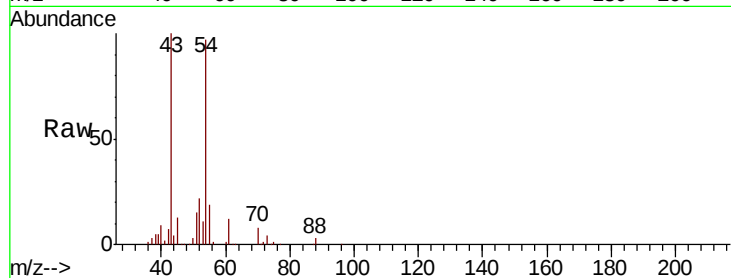




#37
Ethyl Acetate
Concen: 49.549 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

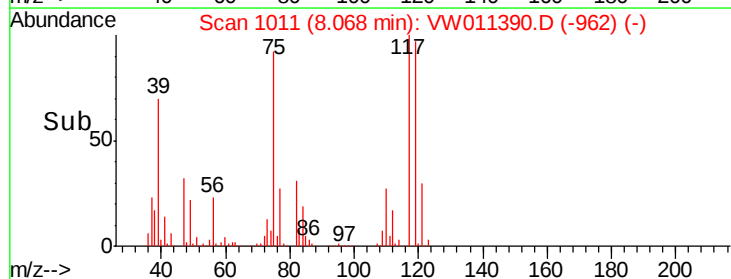
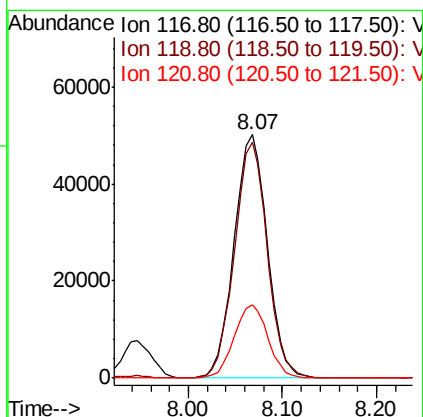
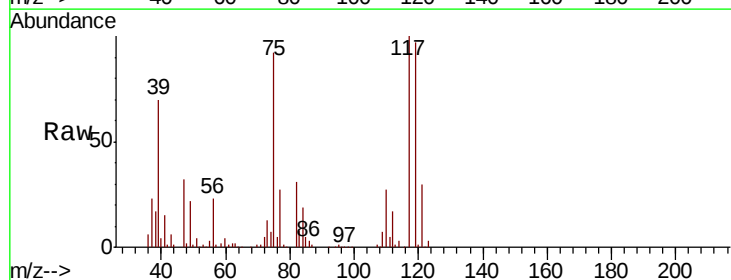
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 90879
Ion Ratio Lower Upper
43 100
61 11.5 9.5 14.3
70 8.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 47.802 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion: 117 Resp: 123701
Ion Ratio Lower Upper
117 100
119 96.8 78.1 117.1
121 29.9 25.1 37.7

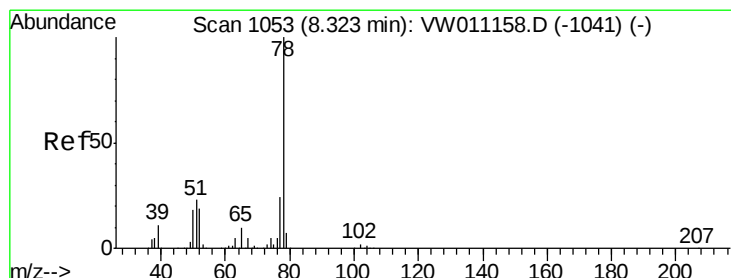
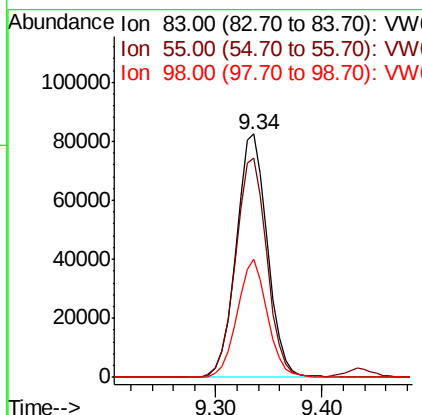
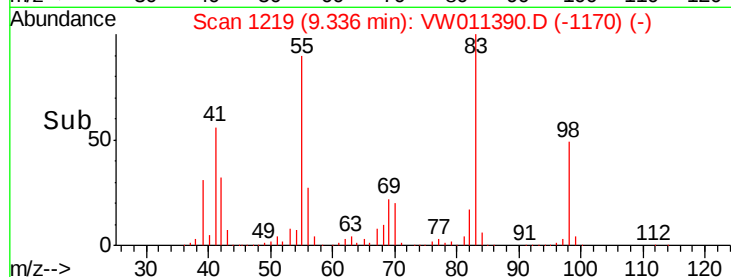
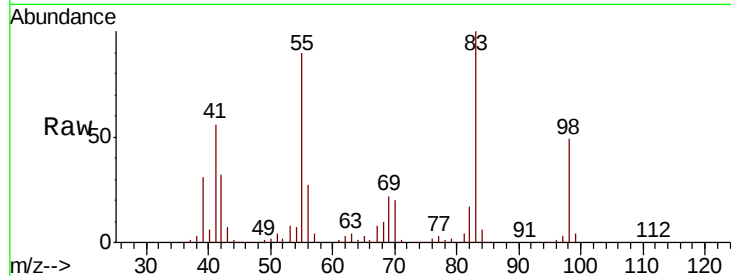




#39
Methvlcvclohexane
Concen: 45.869 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

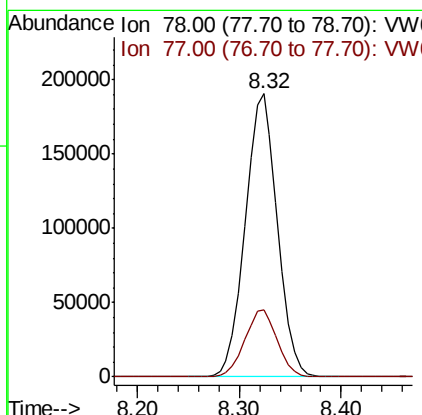
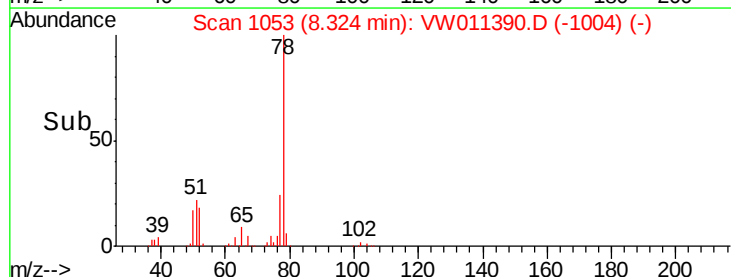
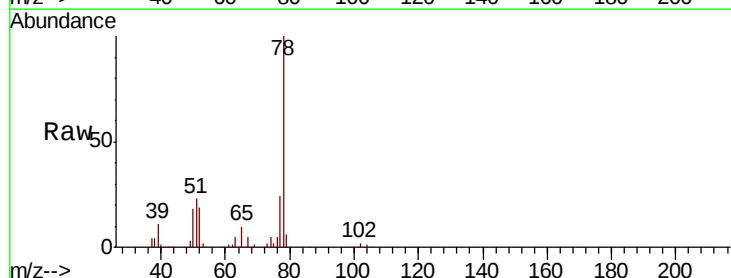
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

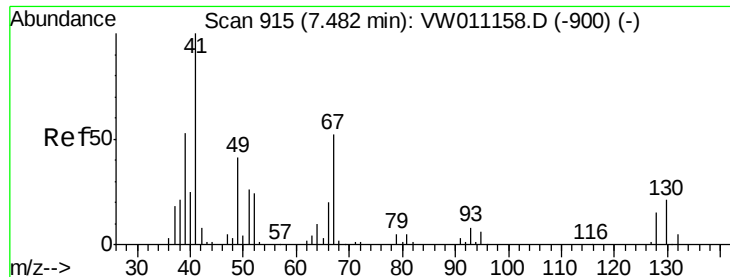
Tot Ion: 83 Resp: 169715
Ion Ratio Lower Upper
83 100
55 89.9 71.2 106.8
98 48.5 37.5 56.3



#40
Benzene
Concen: 49.412 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion: 78 Resp: 416859
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6





#41

Methacrylonitrile

Concen: 46.971 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 49272

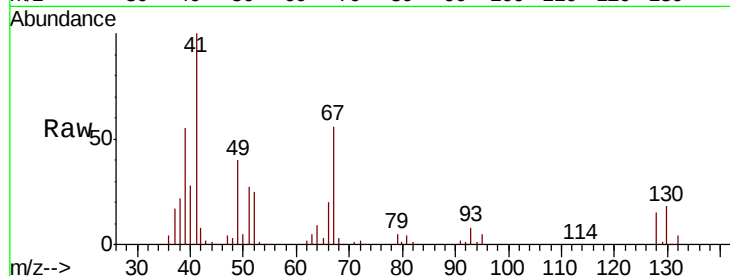
Ion Ratio Lower Upper

41 100

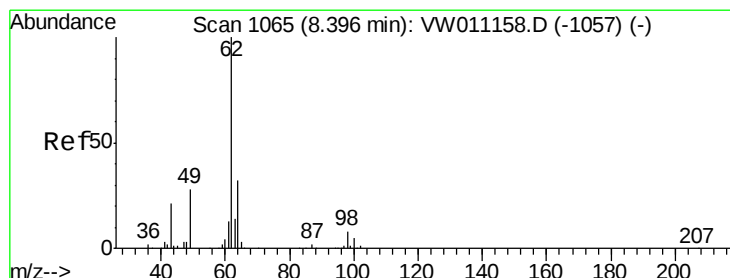
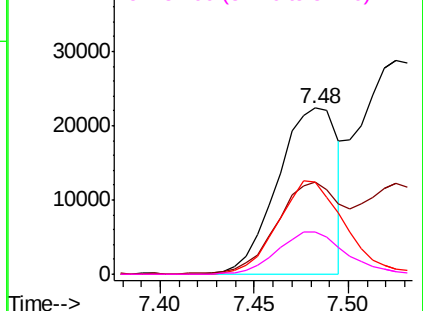
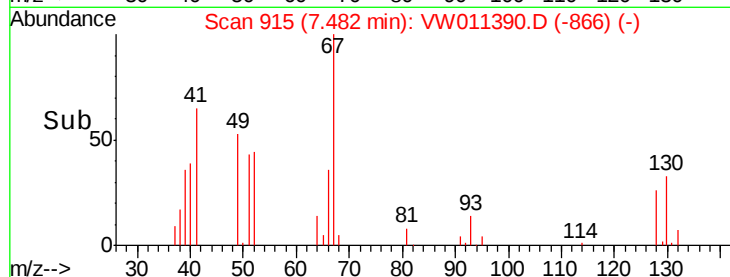
39 61.0 48.0 72.0

67 63.0 49.7 74.5

52 29.6 23.4 35.0



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



#42

1,2-Dichloroethane

Concen: 48.910 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011390.D

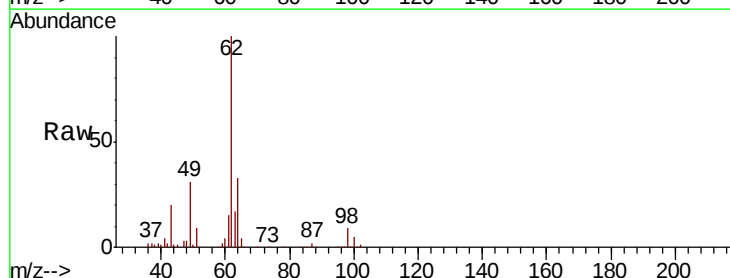
Acq: 19 Jul 2019 22:03

Tgt Ion: 62 Resp: 133851

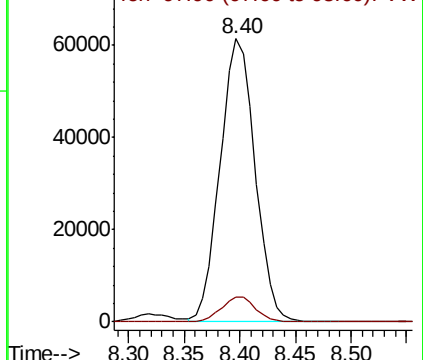
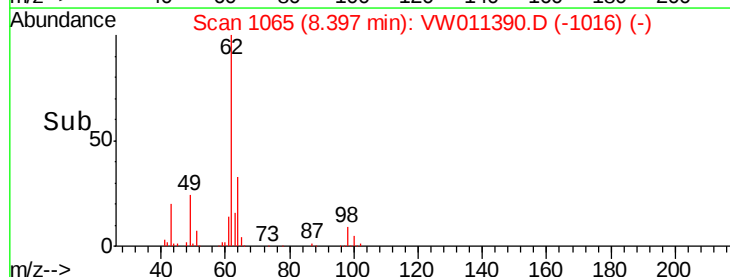
Ion Ratio Lower Upper

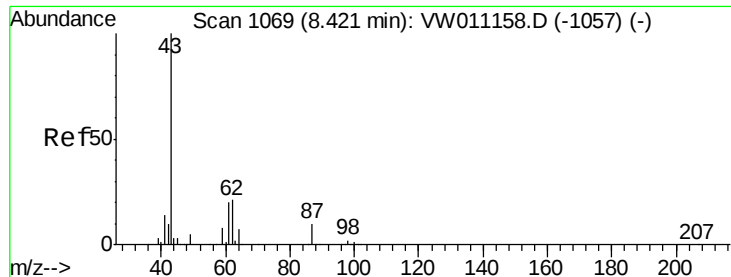
62 100

98 8.6 0.0 16.8



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





#43

Isopropyl Acetate

Concen: 48.882 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

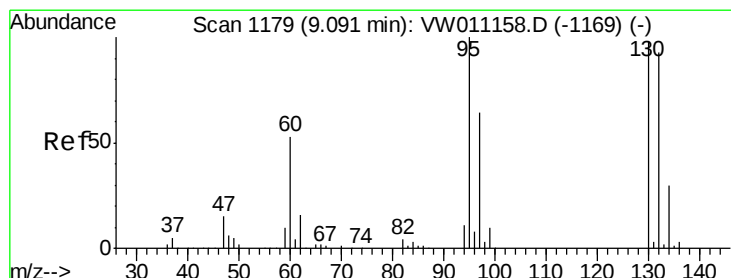
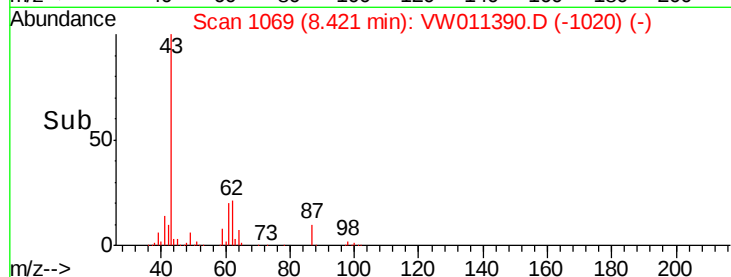
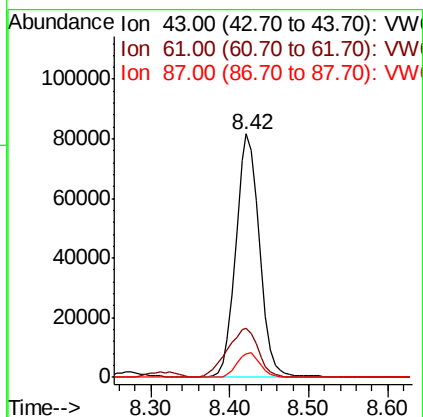
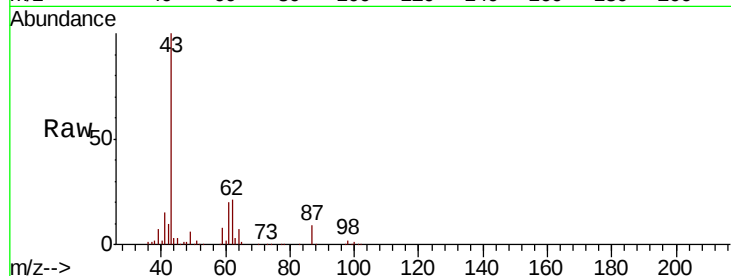
Tot Ion: 43 Resp: 169268

Ion Ratio Lower Upper

43 100

61 26.7 20.7 31.1

87 10.0 8.1 12.1



#44

Trichloroethene

Concen: 48.956 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011390.D

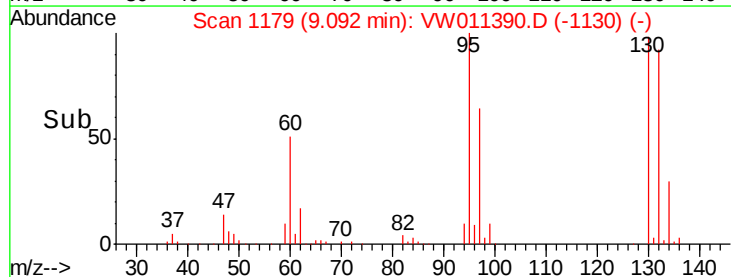
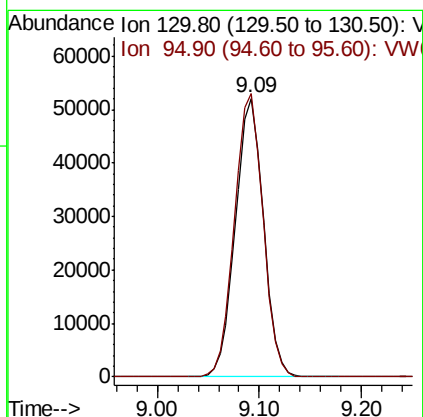
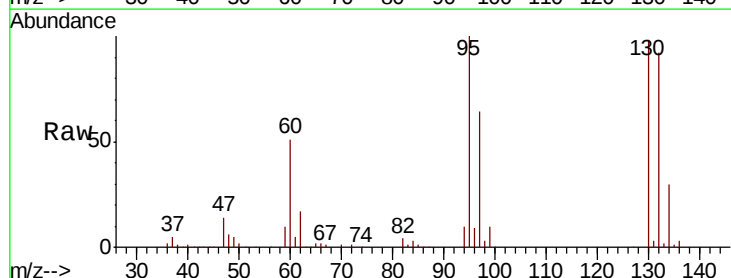
Acq: 19 Jul 2019 22:03

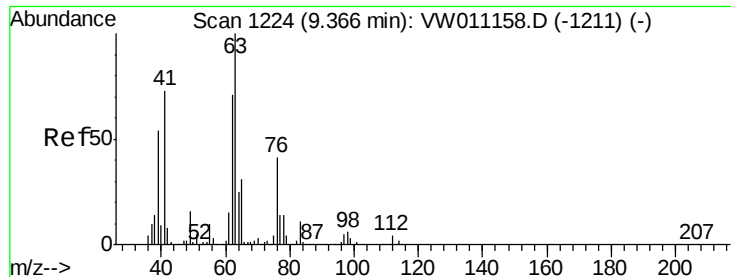
Tgt Ion: 130 Resp: 99388

Ion Ratio Lower Upper

130 100

95 101.7 0.0 203.6





#45

1,2-Dichloropropane

Concen: 50.122 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

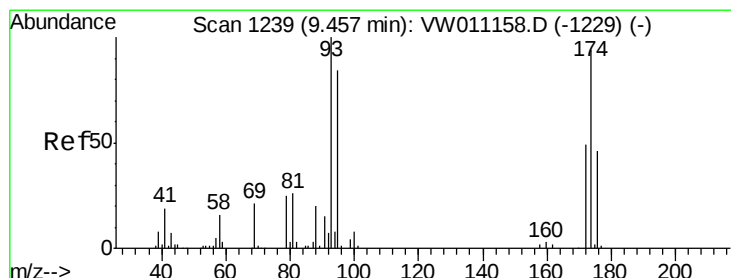
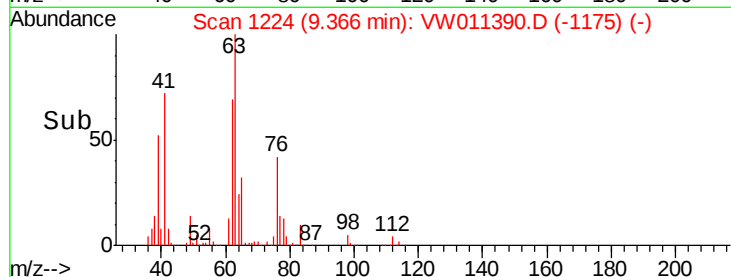
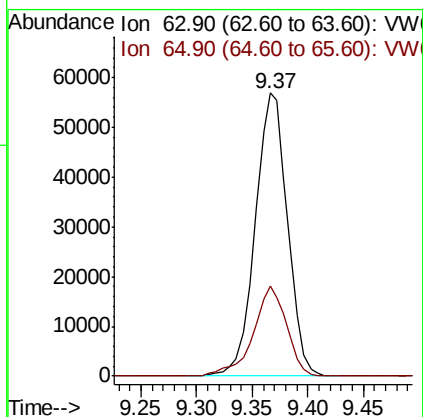
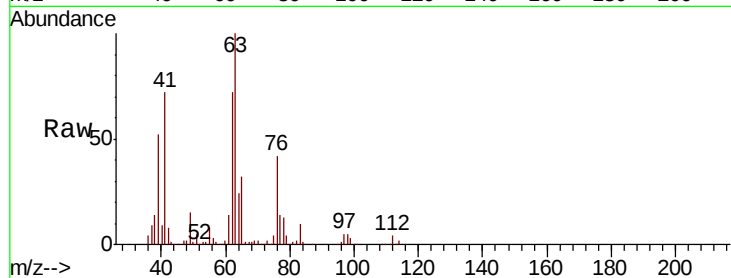
VSTDCCC050

Tot Ion: 63 Resp: 114506

Ion Ratio Lower Upper

63 100

65 31.9 24.4 36.6



#46

Dibromomethane

Concen: 49.237 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

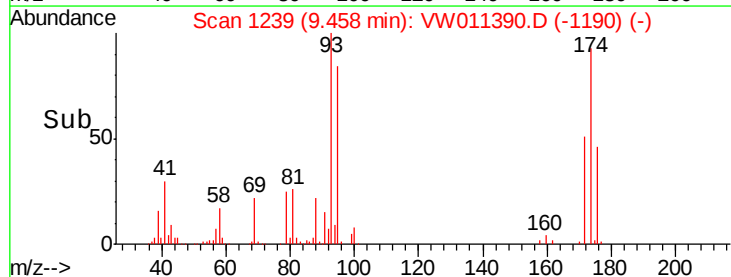
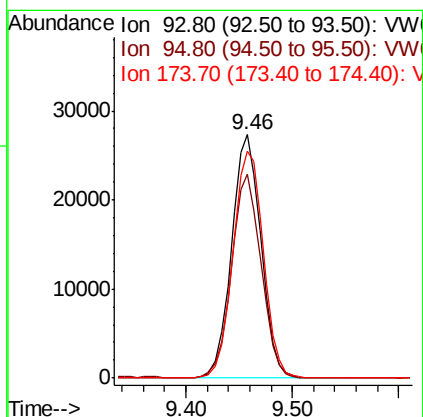
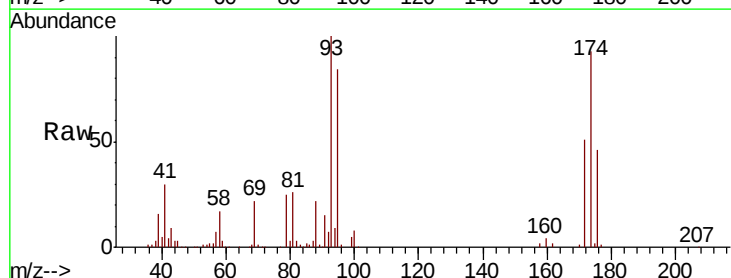
Tgt Ion: 93 Resp: 52839

Ion Ratio Lower Upper

93 100

95 84.4 67.2 100.8

174 96.5 76.3 114.5





#47

Bromodichloromethane

Concen: 50.290 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

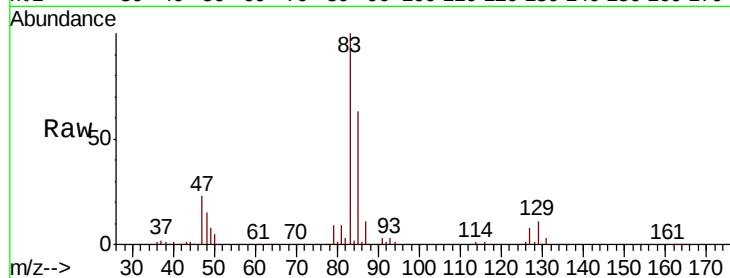
Tot Ion: 83 Resp: 138088

Ion Ratio Lower Upper

83 100

85 63.0 51.0 76.4

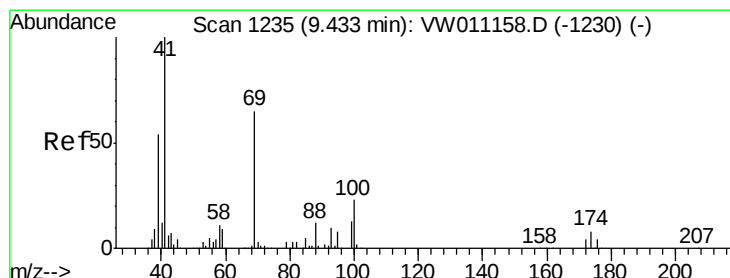
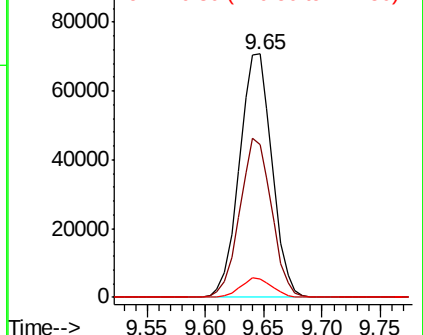
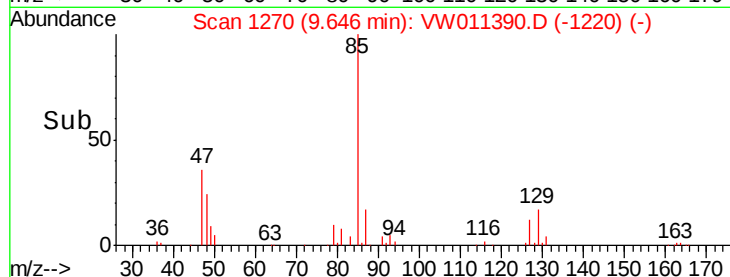
127 7.7 6.0 9.0



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: 49.345 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

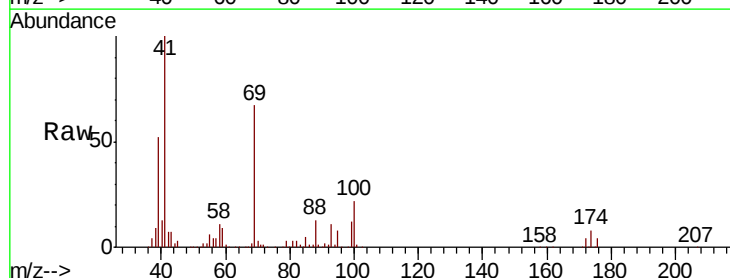
Tgt Ion: 41 Resp: 82206

Ion Ratio Lower Upper

41 100

69 73.3 56.0 84.0

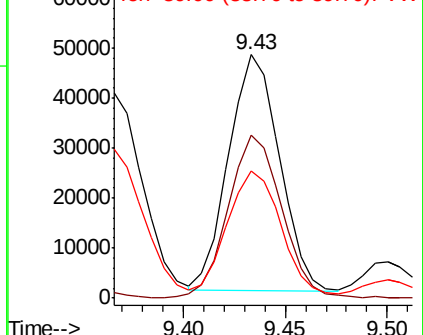
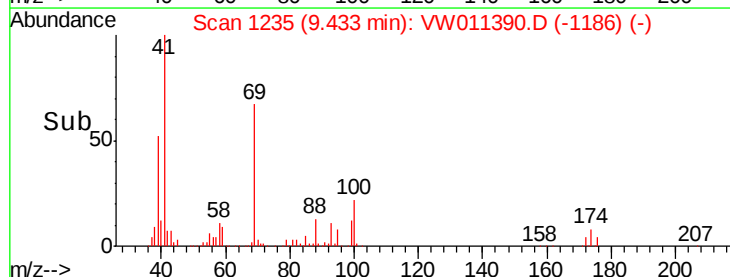
39 57.7 43.5 65.3

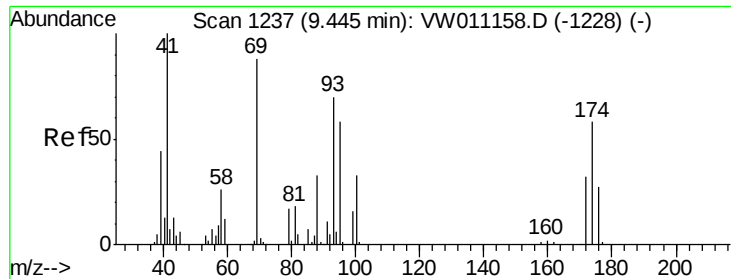


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1041.540 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

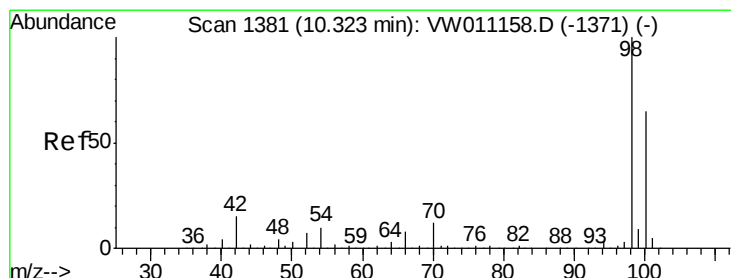
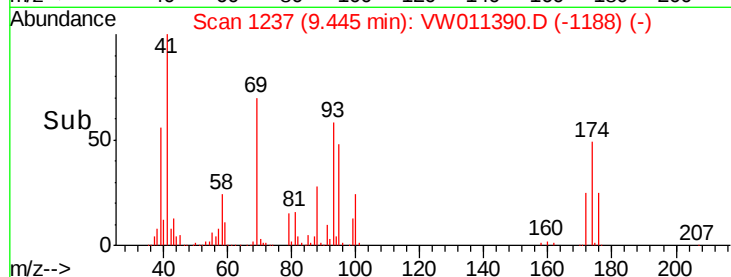
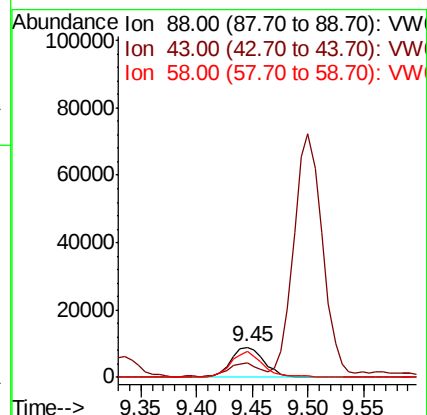
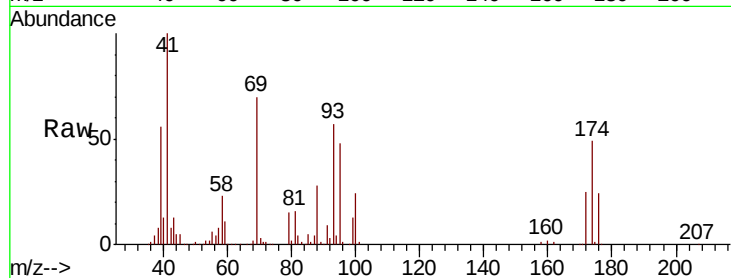
Tot Ion: 88 Resp: 18657

Ion Ratio Lower Upper

88 100

43 41.7 33.4 50.0

58 85.7 64.5 96.7



#50

Toluene-d8

Concen: 46.956 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011390.D

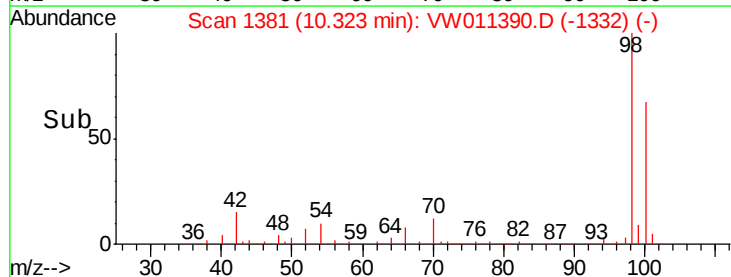
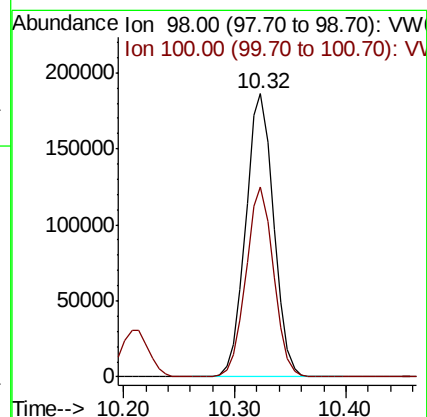
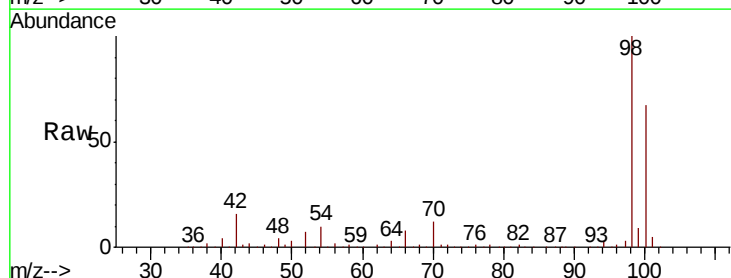
Acq: 19 Jul 2019 22:03

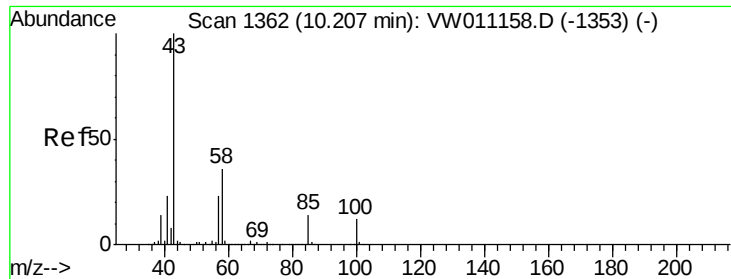
Tgt Ion: 98 Resp: 324304

Ion Ratio Lower Upper

98 100

100 66.2 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 249.596 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

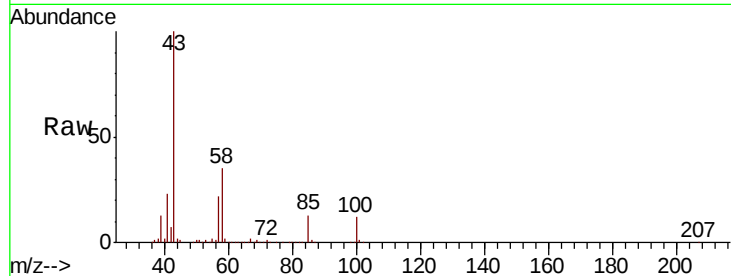
VSTDCCC050

Tot Ion: 43 Resp: 451485

Ion Ratio Lower Upper

43 100

58 35.4 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

150000

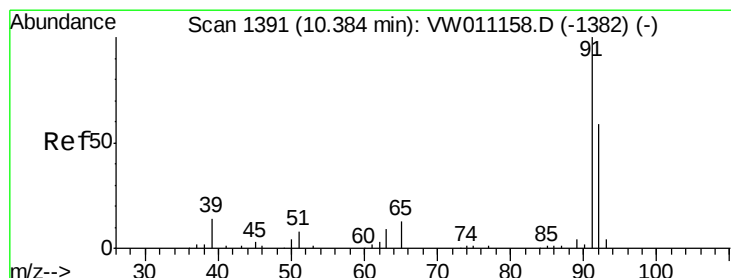
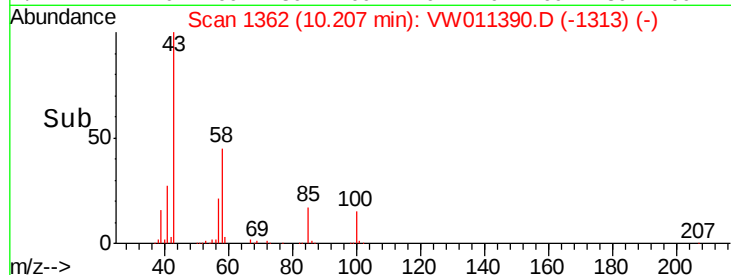
100000

50000

0

Time-->

10.10 10.20 10.30



#52

Toluene

Concen: 49.801 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011390.D

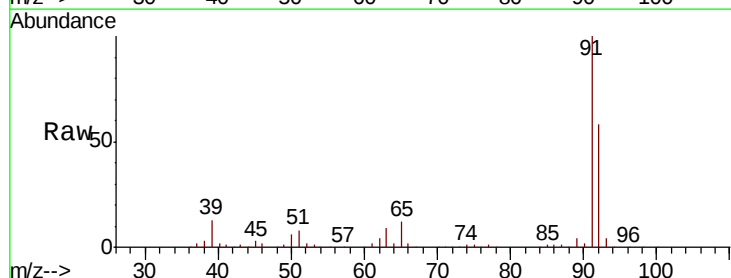
Acq: 19 Jul 2019 22:03

Tgt Ion: 92 Resp: 254859

Ion Ratio Lower Upper

92 100

91 171.3 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

300000

250000

200000

150000

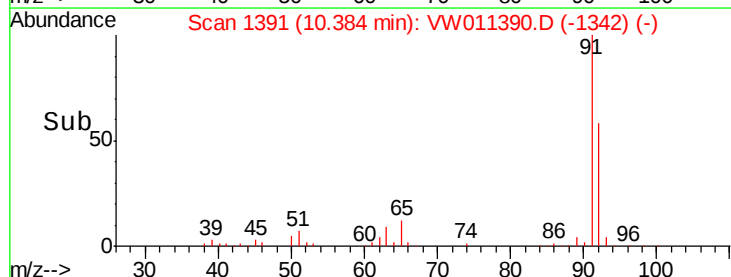
100000

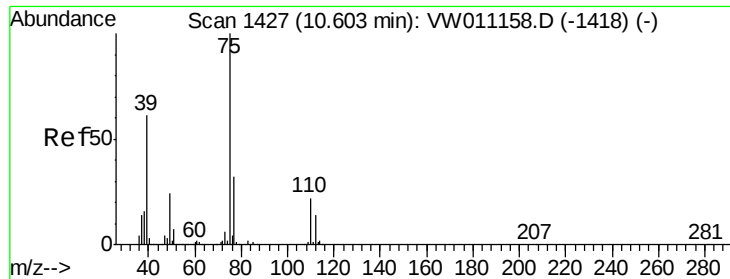
50000

0

Time-->

10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 48.437 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

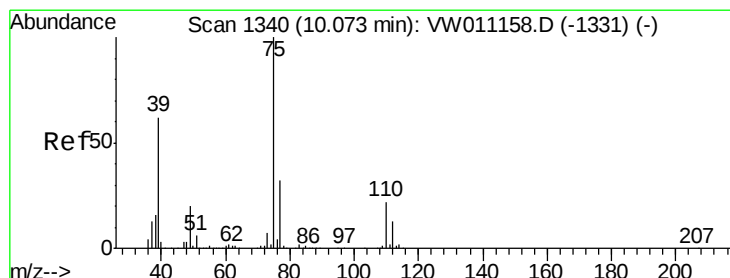
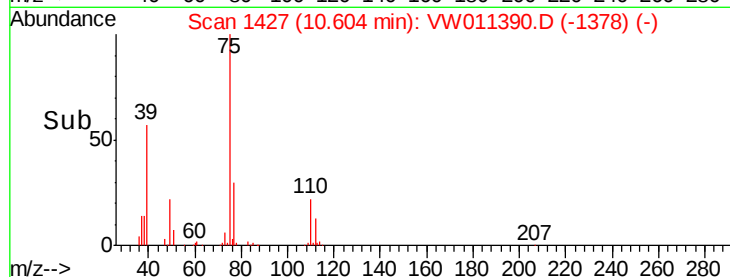
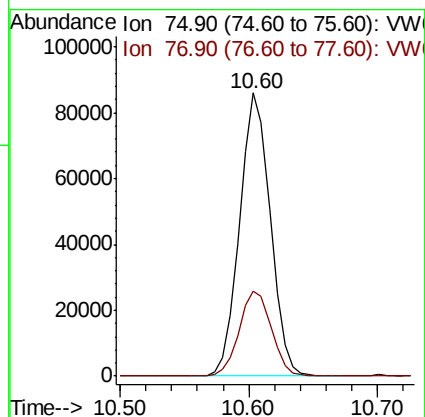
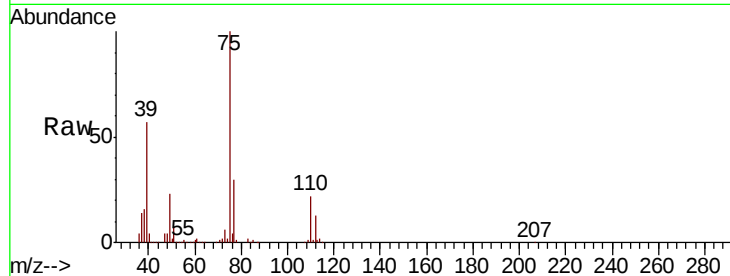
VSTDCCC050

Tot Ion: 75 Resp: 141570

Ion Ratio Lower Upper

75 100

77 29.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 48.311 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

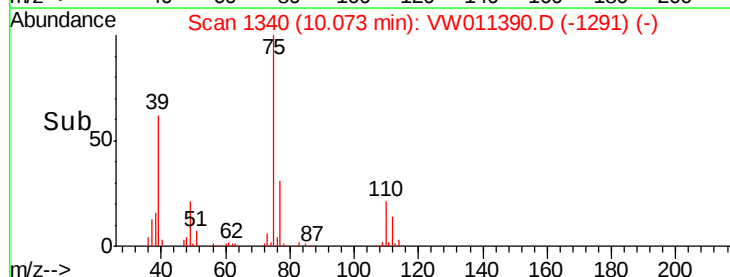
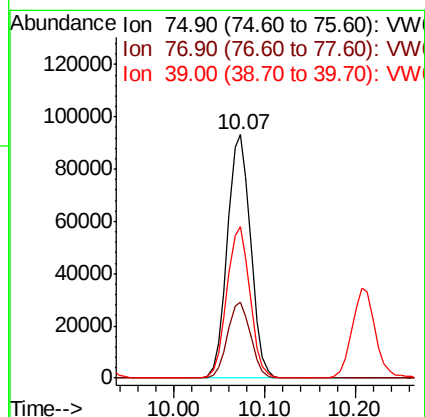
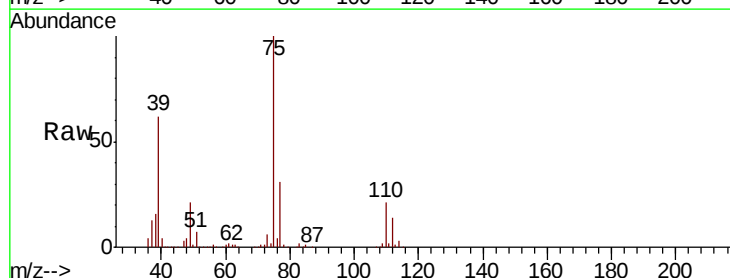
Tgt Ion: 75 Resp: 166202

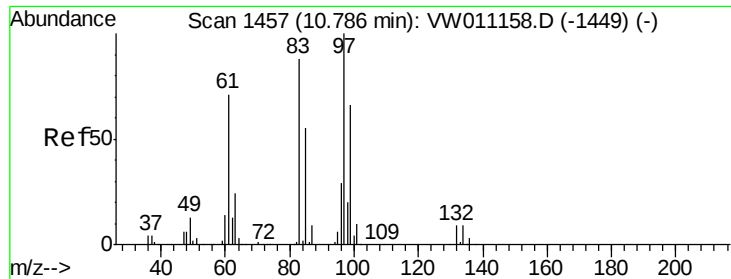
Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

39 62.1 49.8 74.8

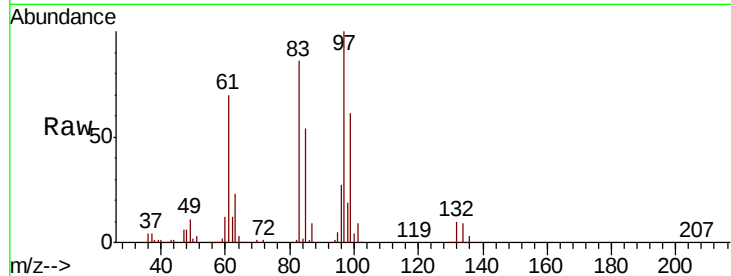




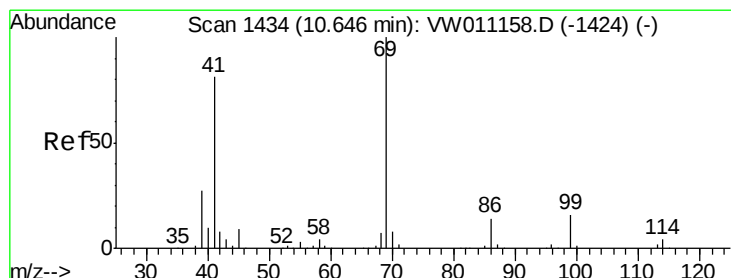
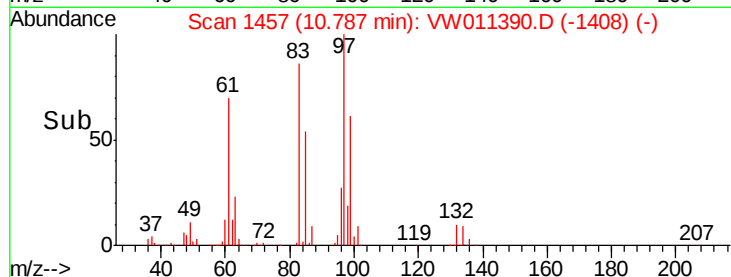
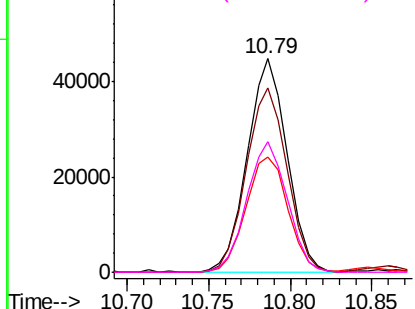
#55
 1,1,2-Trichloroethane
 Concen: 49.927 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 76011
 Ion Ratio Lower Upper
 97 100
 83 86.3 70.2 105.4
 85 54.2 44.2 66.2
 99 61.2 52.6 79.0

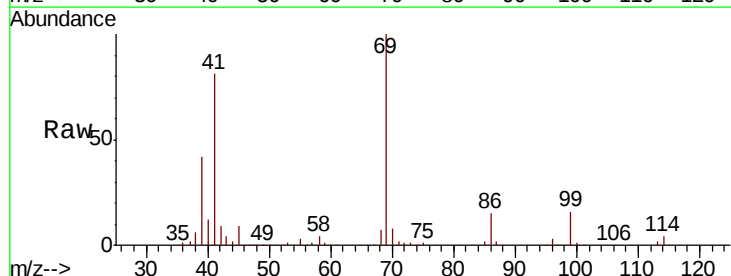


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

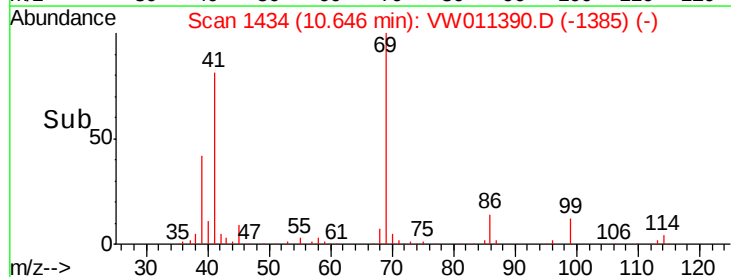
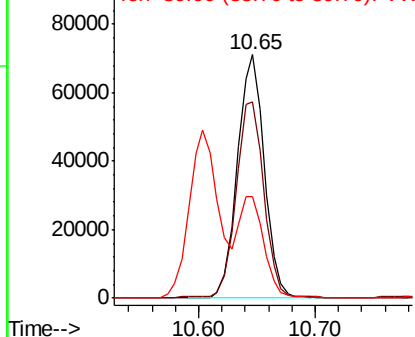


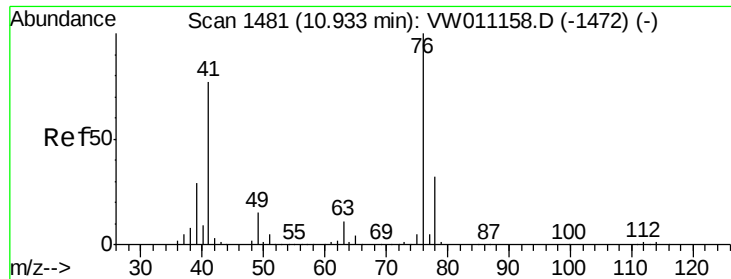
#56
 Ethyl methacrylate
 Concen: 49.487 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion: 69 Resp: 114705
 Ion Ratio Lower Upper
 69 100
 41 82.1 66.5 99.7
 39 39.0 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

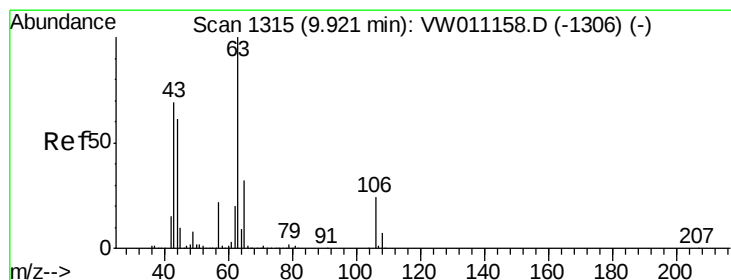
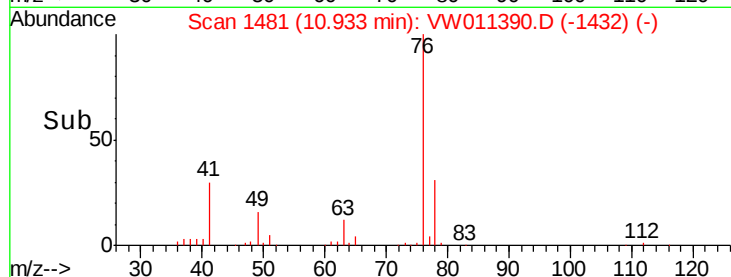
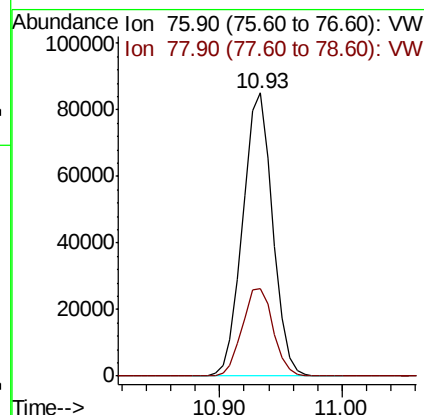
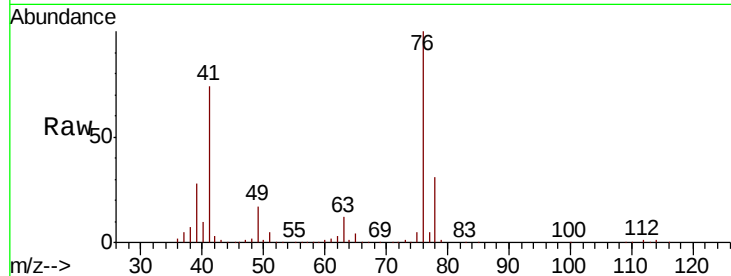




#57
 1,3-Dichloropropane
 Concen: 49.997 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

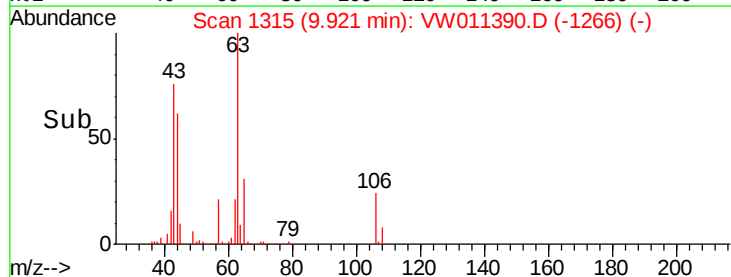
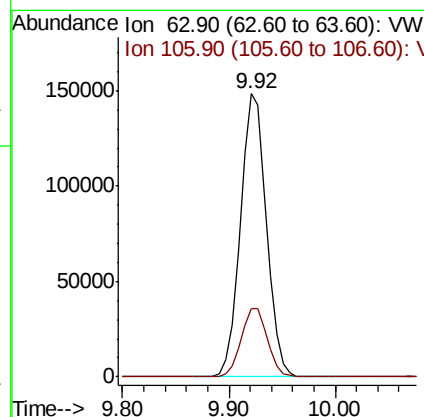
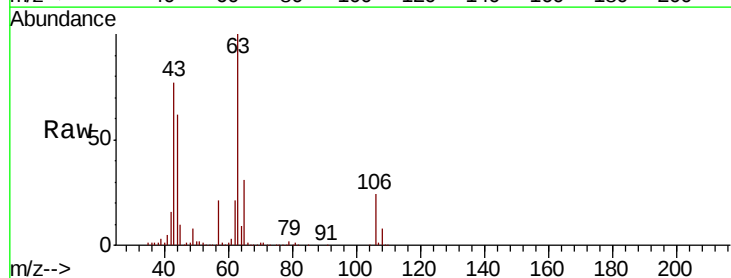
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

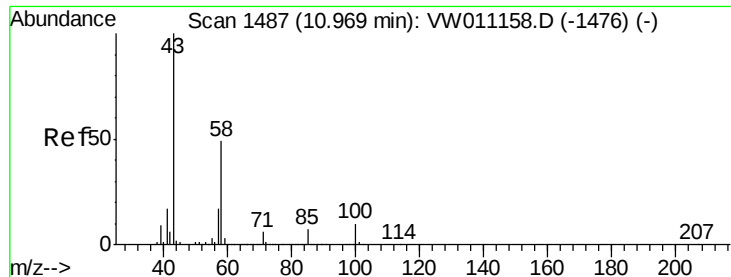
Tot Ion: 76 Resp: 143937
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.250 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion: 63 Resp: 253868
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.0





#59

2-Hexanone

Concen: 247.049 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

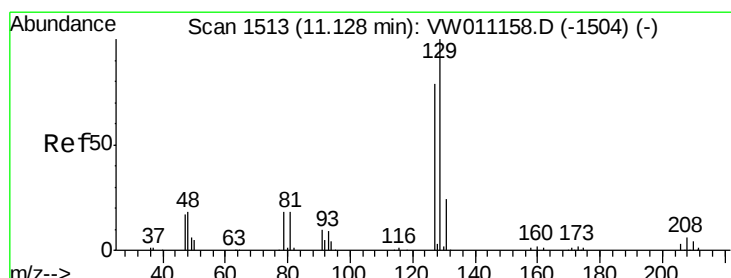
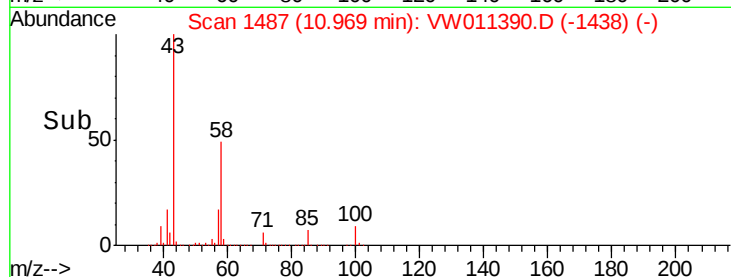
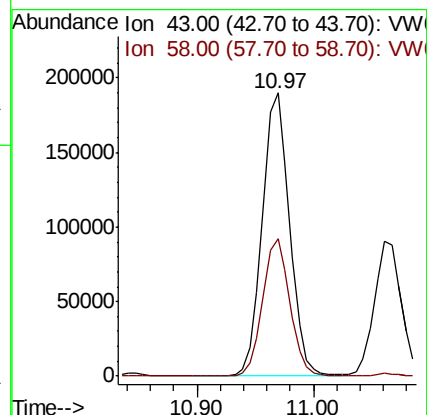
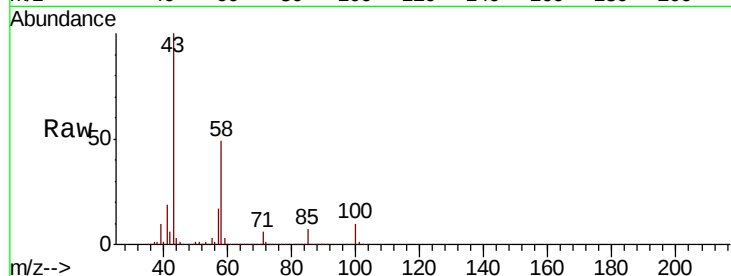
VSTDCCC050

Tot Ion: 43 Resp: 309911

Ion Ratio Lower Upper

43 100

58 48.4 24.4 73.4



#60

Dibromochloromethane

Concen: 50.563 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011390.D

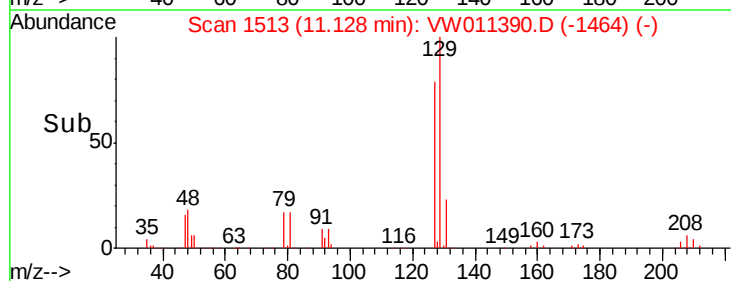
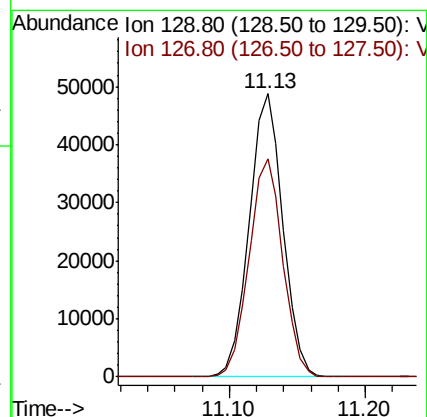
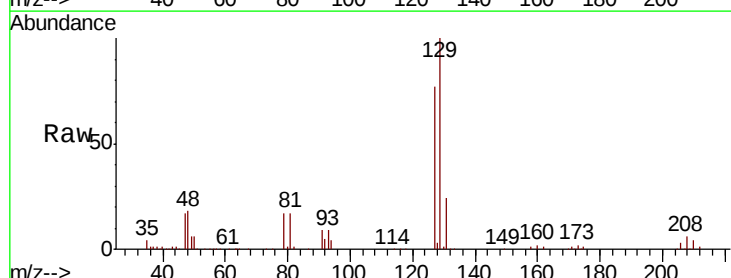
Acq: 19 Jul 2019 22:03

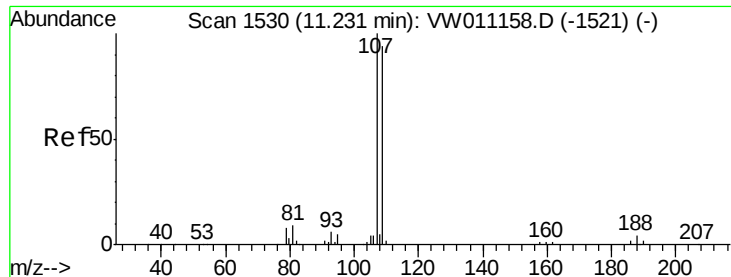
Tgt Ion: 129 Resp: 84413

Ion Ratio Lower Upper

129 100

127 77.2 39.1 117.3

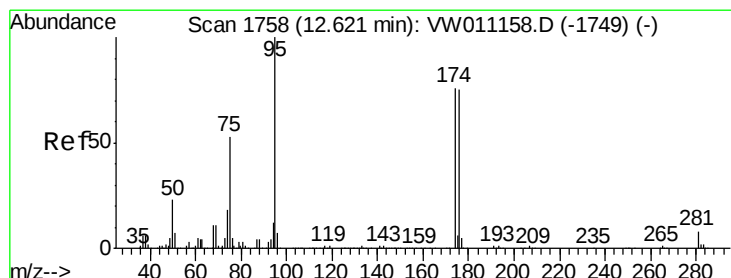
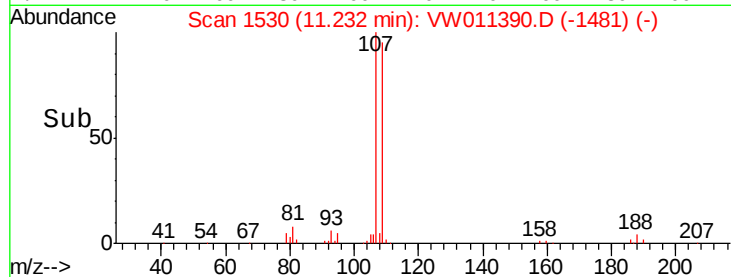
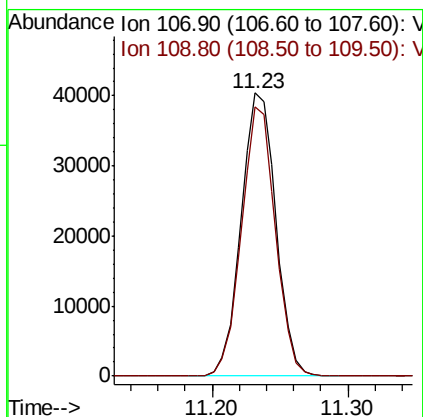
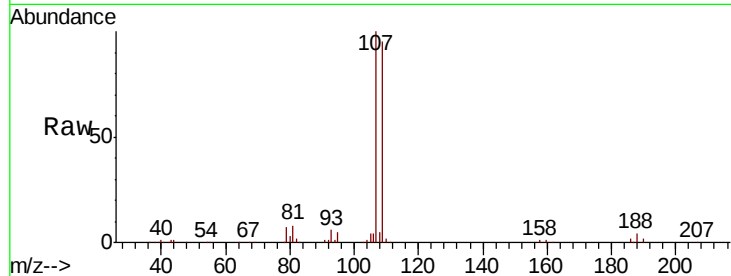




#61
 1,2-Dibromoethane
 Concen: 50.115 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

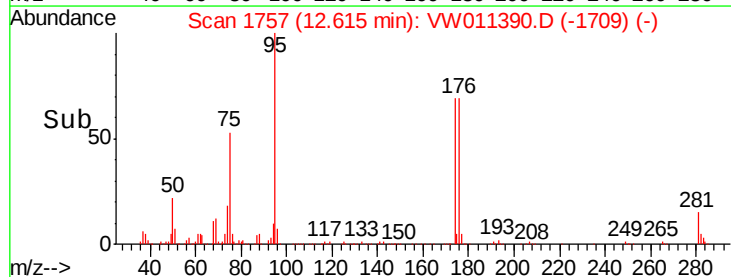
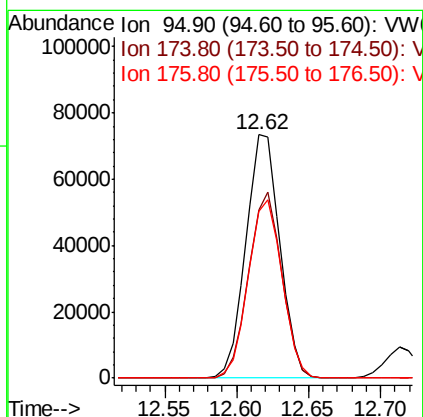
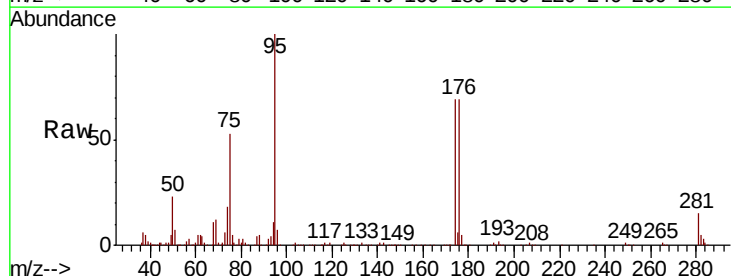
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

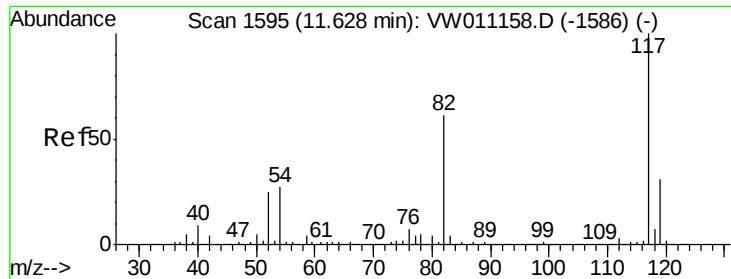
Tot Ion:107 Resp: 72271
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.319 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion: 95 Resp: 119787
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 147.6
 176 73.2 0.0 144.6

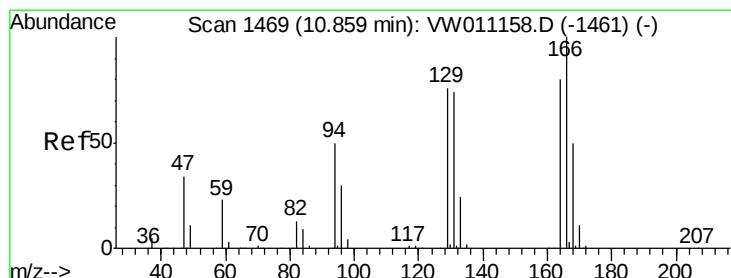
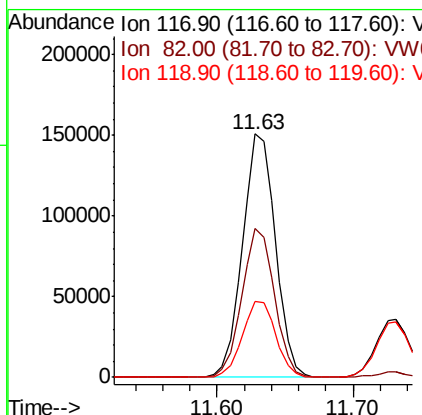
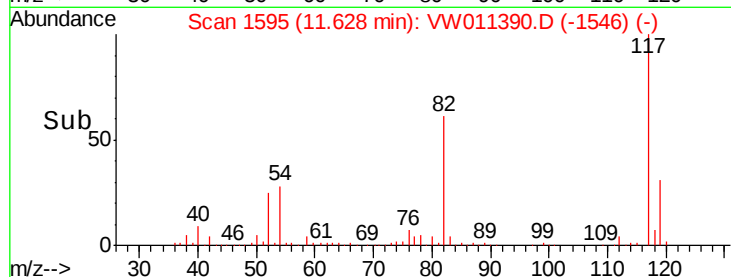
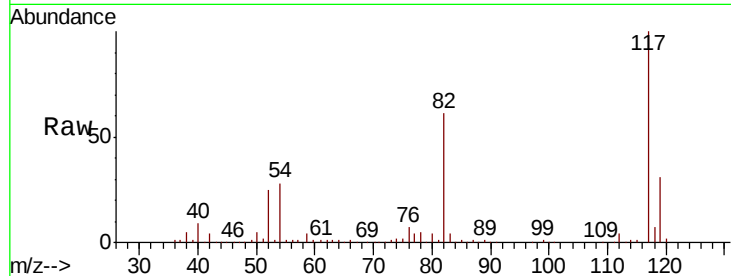




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

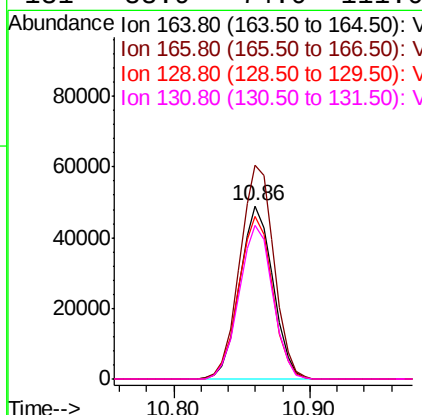
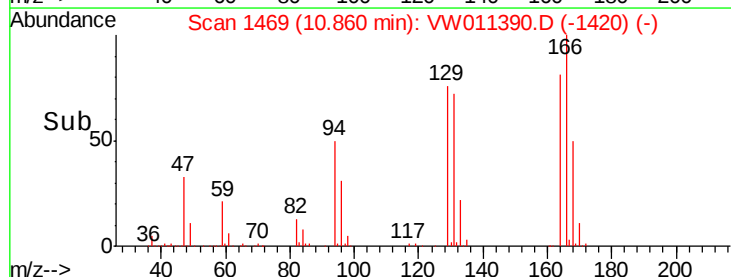
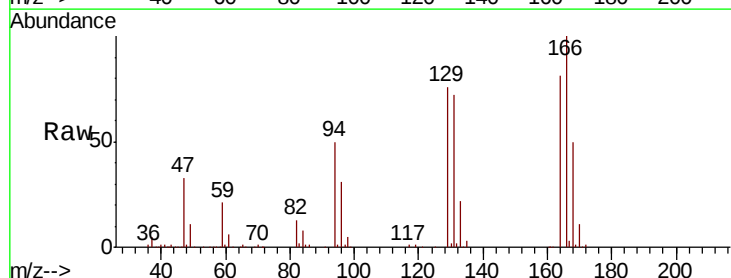
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

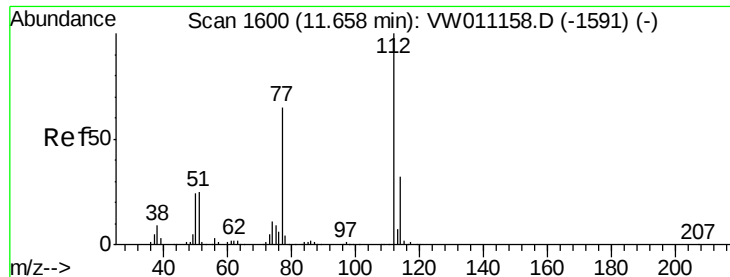
Tot Ion:117 Resp: 255852
Ion Ratio Lower Upper
117 100
82 61.2 48.9 73.3
119 31.3 25.0 37.6



#64
Tetrachloroethene
Concen: 48.351 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion:164 Resp: 83475
Ion Ratio Lower Upper
164 100
166 123.5 99.7 149.5
129 93.8 76.2 114.2
131 88.9 74.0 111.0

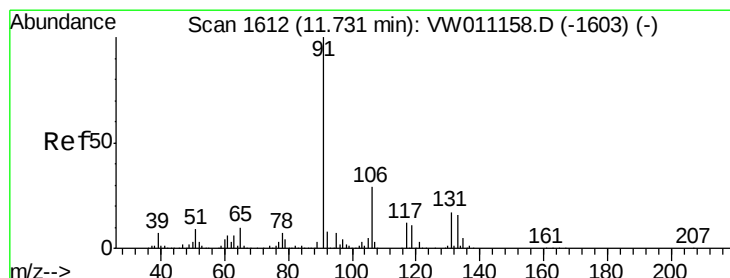
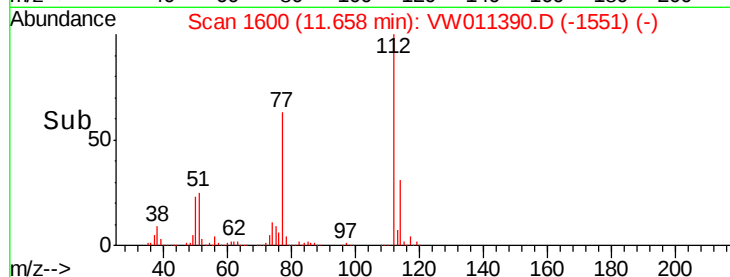
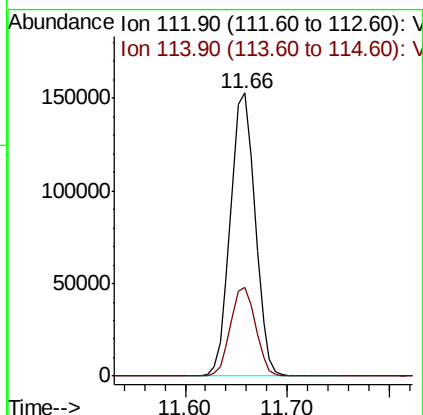
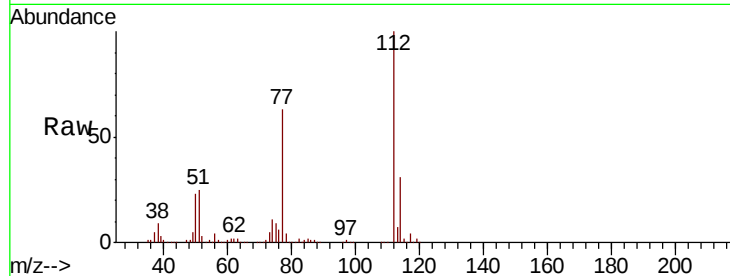




#65
Chlorobenzene
Concen: 49.307 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

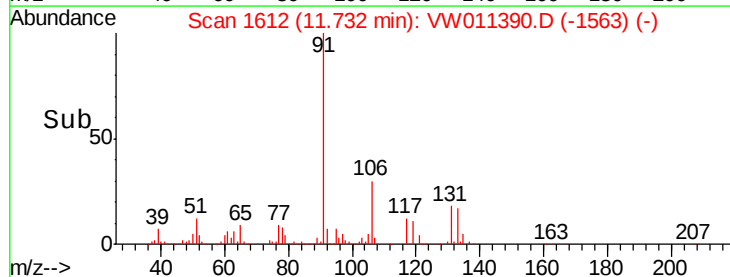
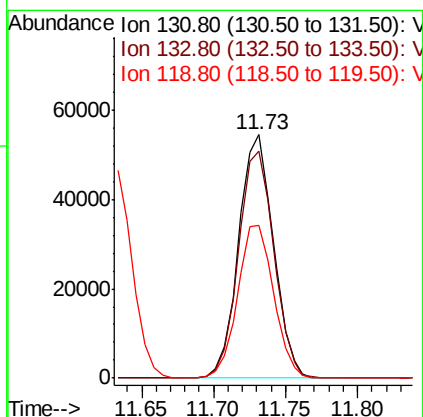
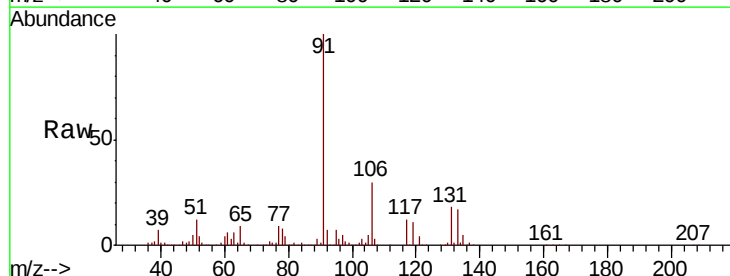
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

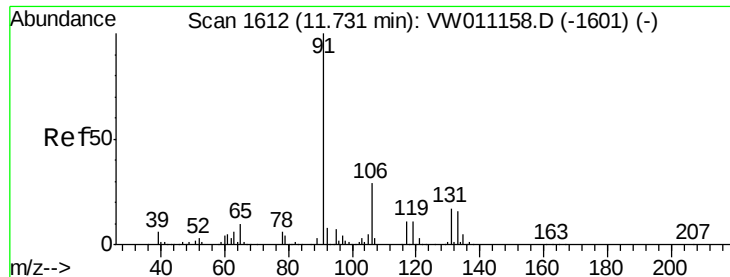
Tot Ion:112 Resp: 256483
Ion Ratio Lower Upper
112 100
114 31.5 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.951 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion:131 Resp: 91488
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.8
119 64.9 33.1 99.2

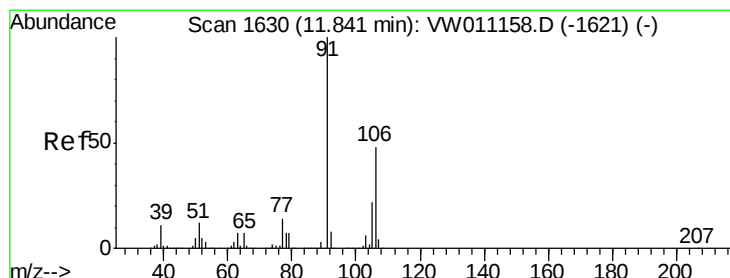
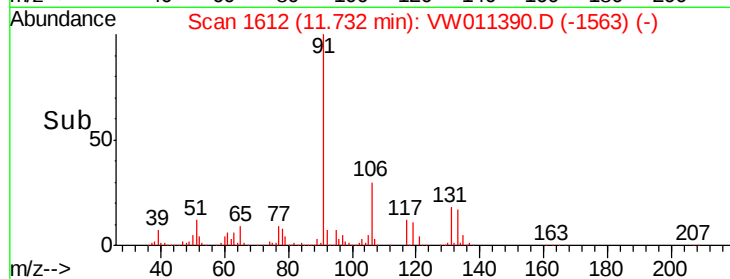
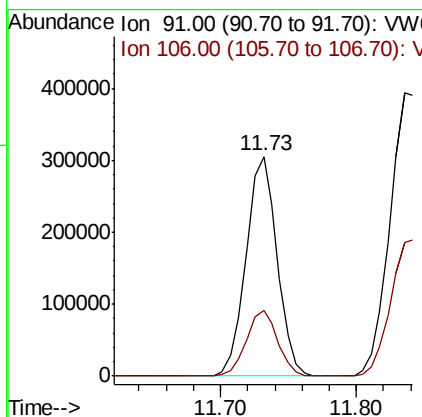
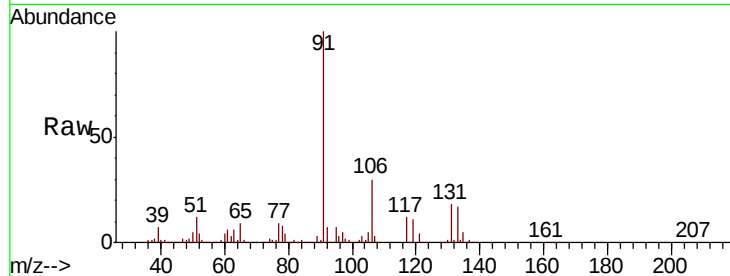




#67
Ethyl Benzene
Concen: 48.995 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

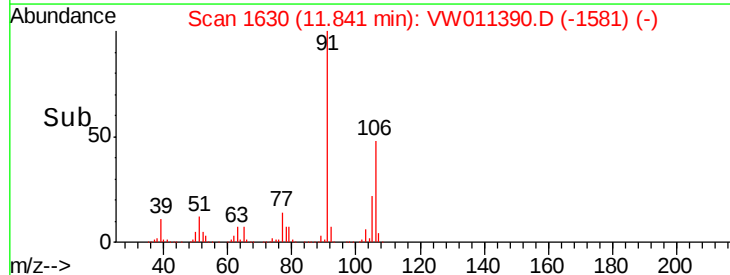
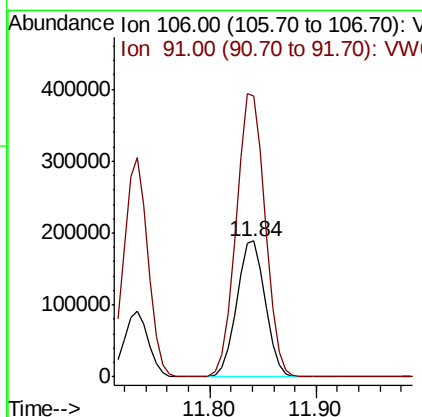
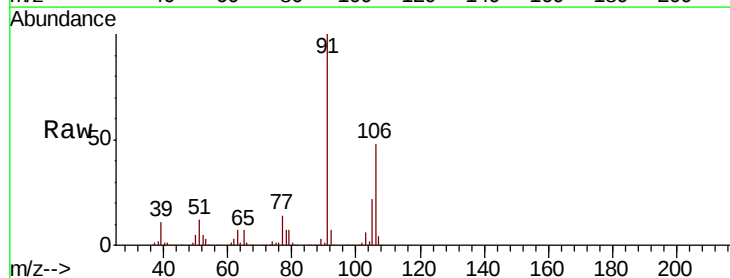
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

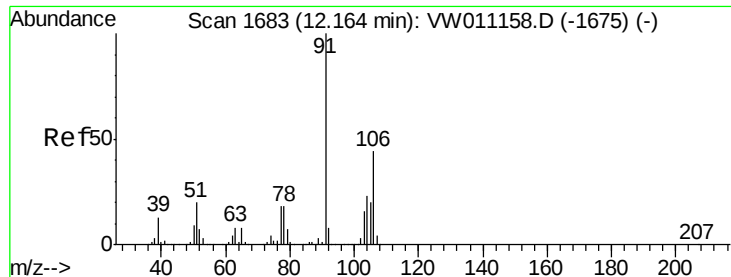
Tot Ion: 91 Resp: 487892
Ion Ratio Lower Upper
91 100
106 30.0 23.5 35.3



#68
m/p-Xylenes
Concen: 98.716 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion: 106 Resp: 355697
Ion Ratio Lower Upper
106 100
91 211.2 167.7 251.5

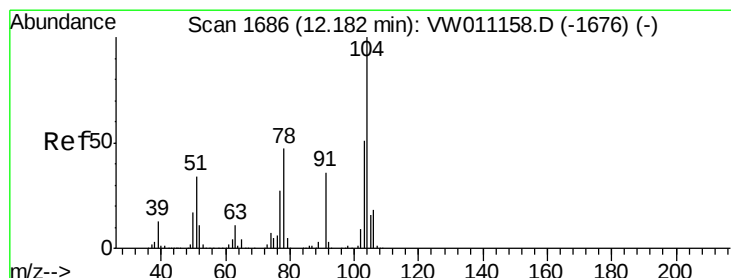
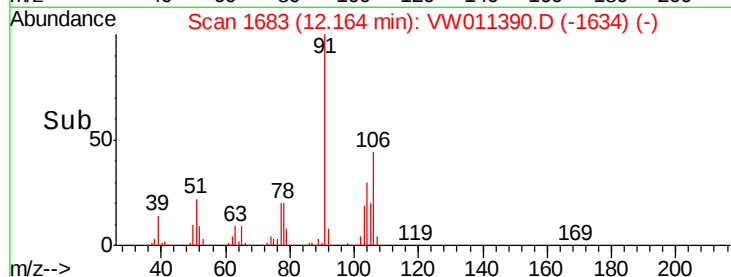
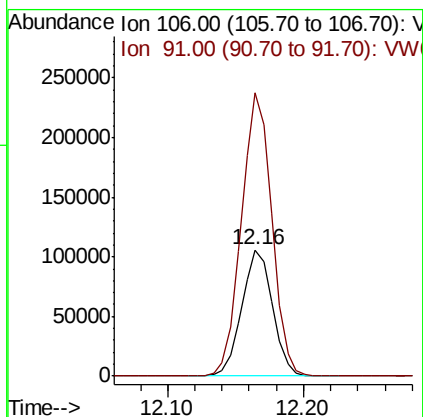
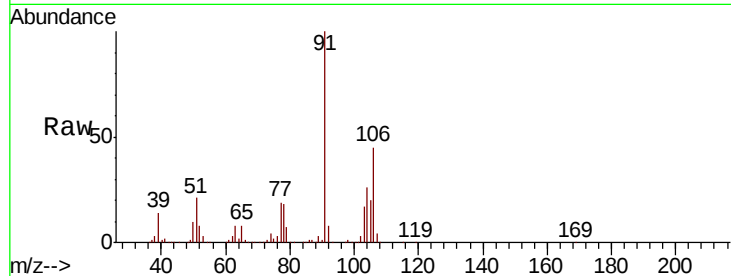




#69
o-Xylene
Concen: 49.267 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

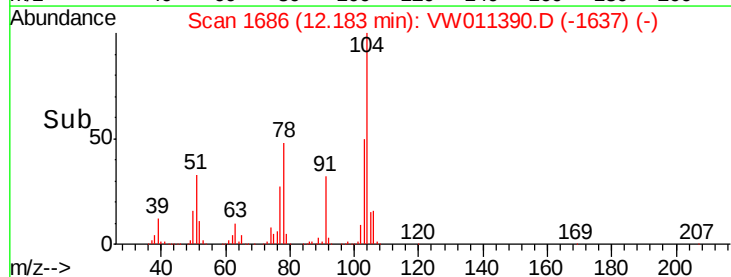
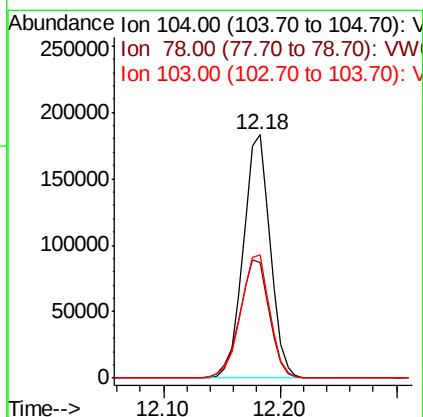
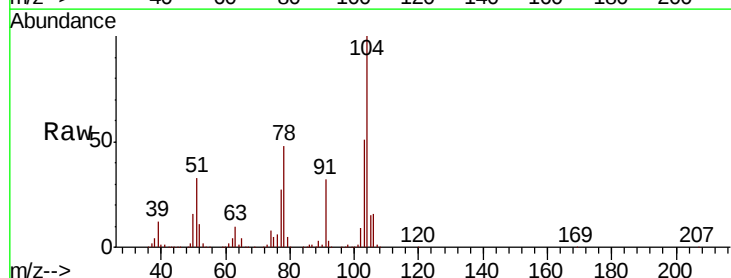
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

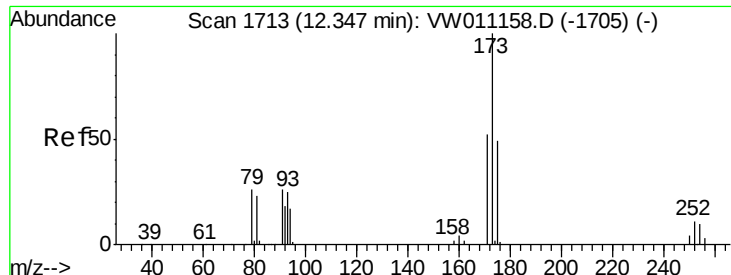
Tot Ion:106 Resp: 167315
Ion Ratio Lower Upper
106 100
91 221.7 110.7 332.1



#70
Styrene
Concen: 50.430 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion:104 Resp: 295572
Ion Ratio Lower Upper
104 100
78 53.6 43.1 64.7
103 54.9 44.1 66.1





#71

Bromoform

Concen: 48.643 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

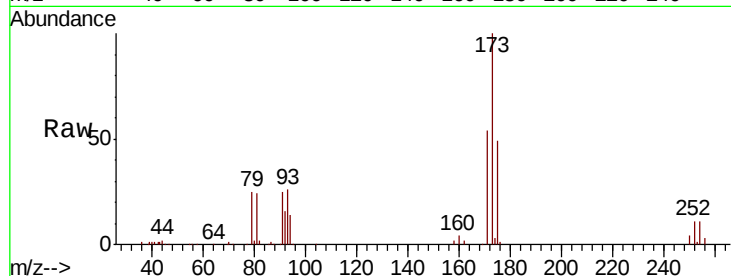
Tot Ion:173 Resp: 47369

Ion Ratio Lower Upper

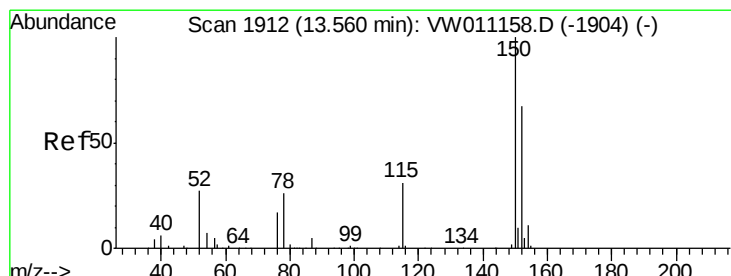
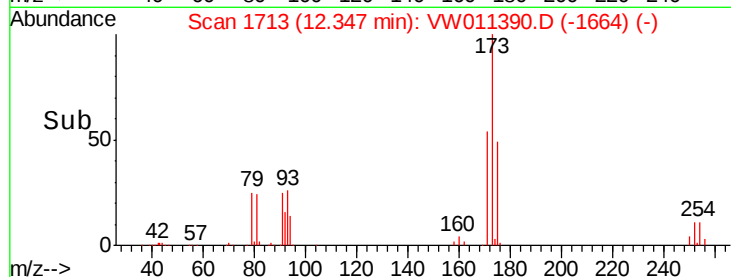
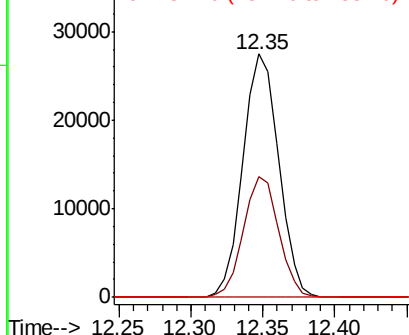
173 100

175 49.1 24.8 74.3

254 0.0 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: VW011390.D

Acq: 19 Jul 2019 22:03

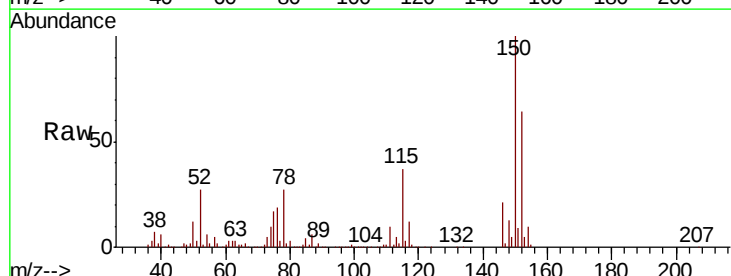
Tgt Ion:152 Resp: 126935

Ion Ratio Lower Upper

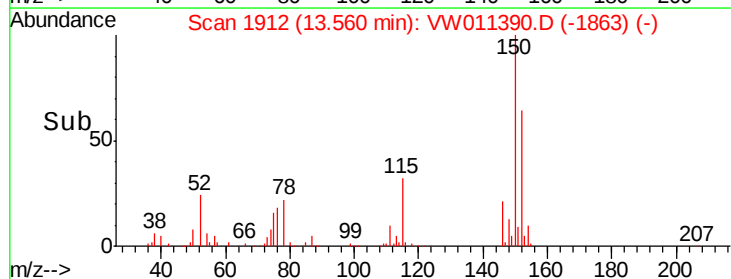
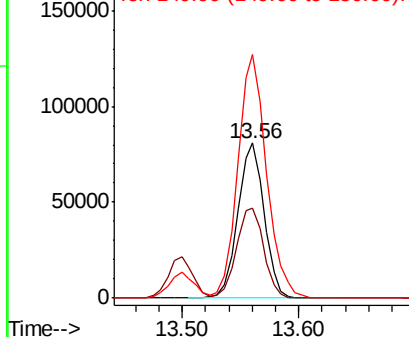
152 100

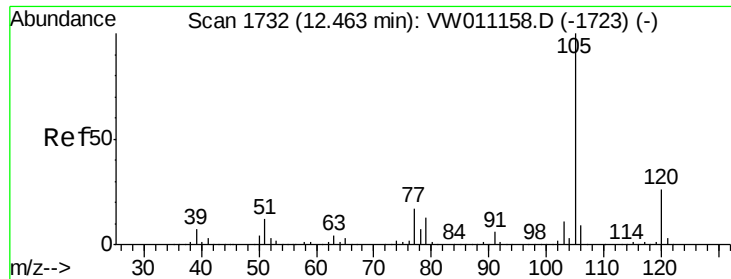
115 60.2 30.1 90.3

150 171.4 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: 48.695 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

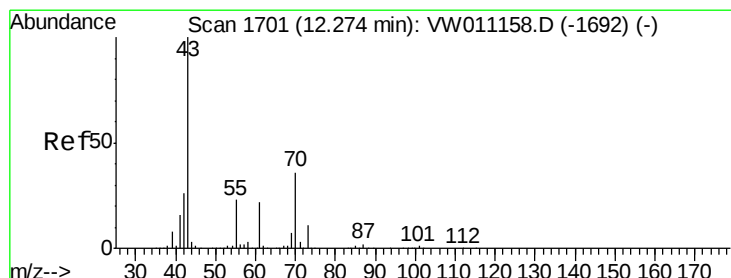
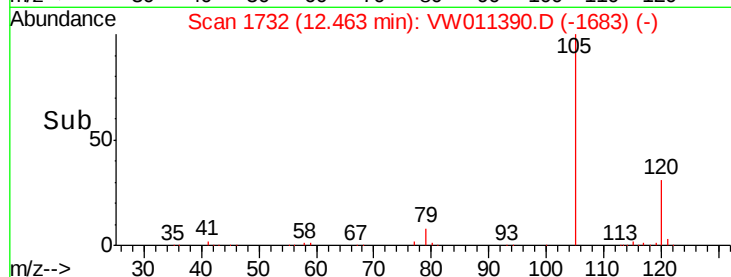
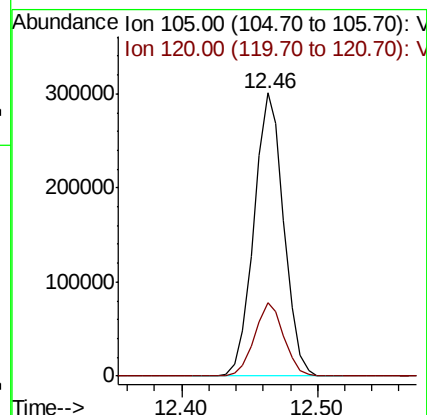
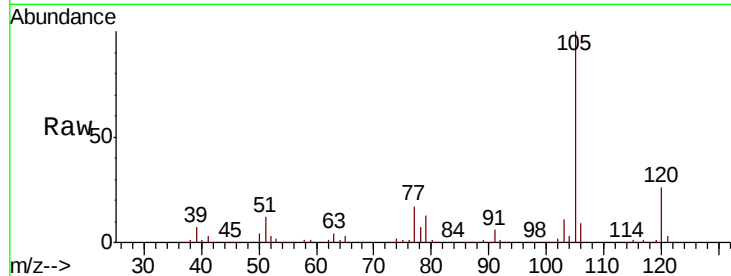
VSTDCCC050

Tot Ion:105 Resp: 462063

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 47.284 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Tgt Ion: 43 Resp: 156260

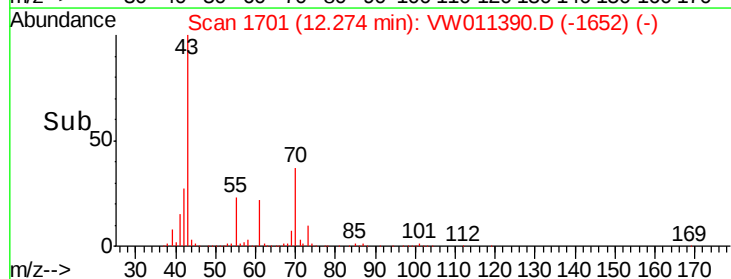
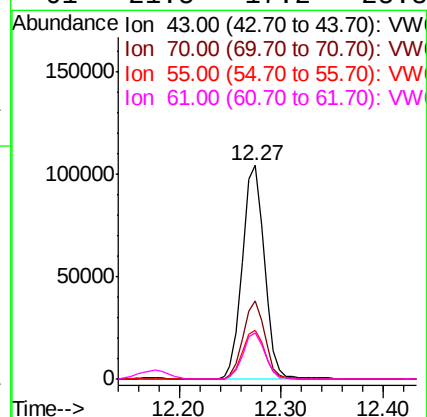
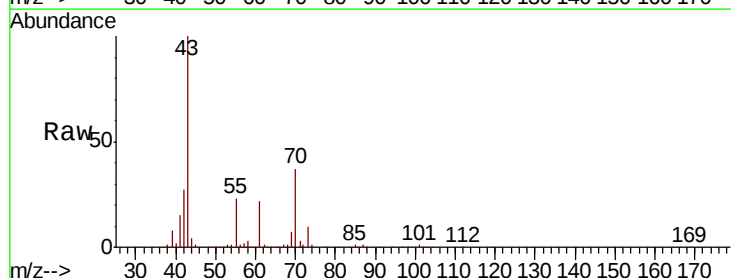
Ion Ratio Lower Upper

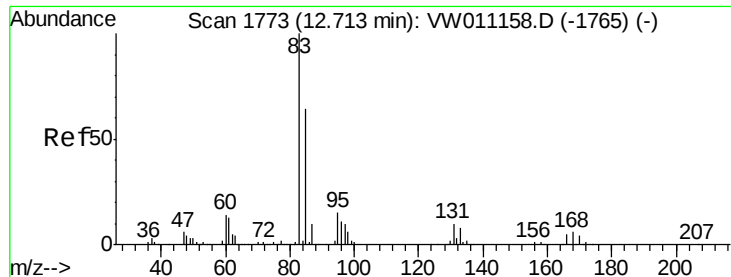
43 100

70 35.8 28.5 42.7

55 23.3 18.1 27.1

61 21.5 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.993 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

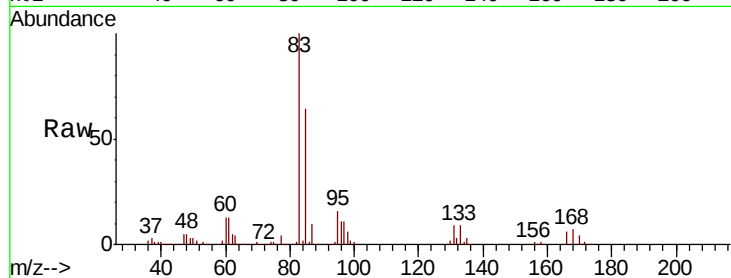
Tot Ion: 83 Resp: 93351

Ion Ratio Lower Upper

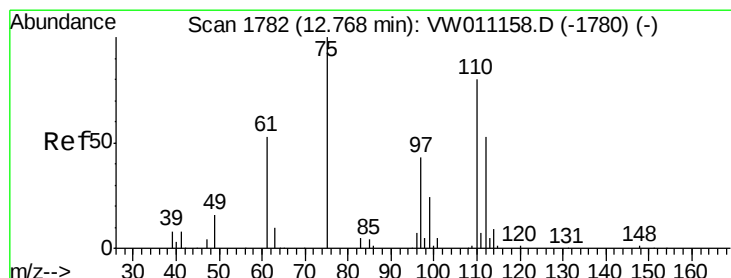
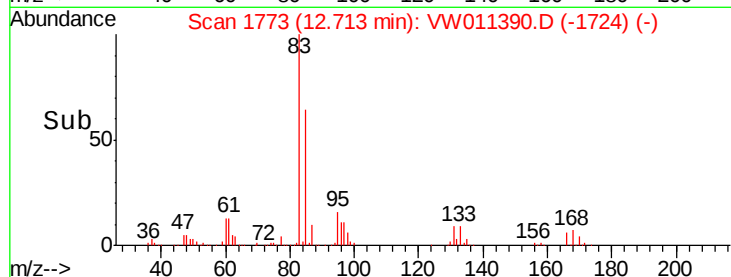
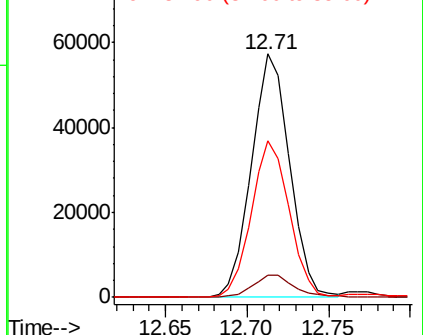
83 100

131 10.0 5.0 15.0

85 63.7 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: 82.143 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011390.D

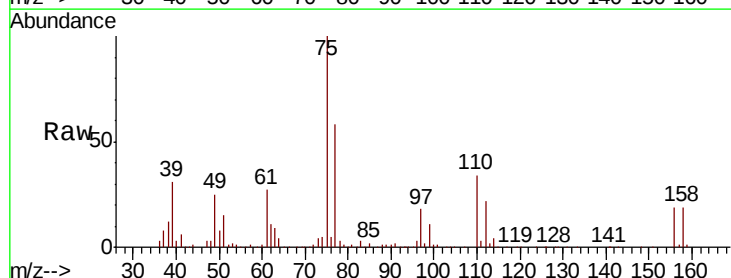
Acq: 19 Jul 2019 22:03

Tgt Ion: 75 Resp: 120496

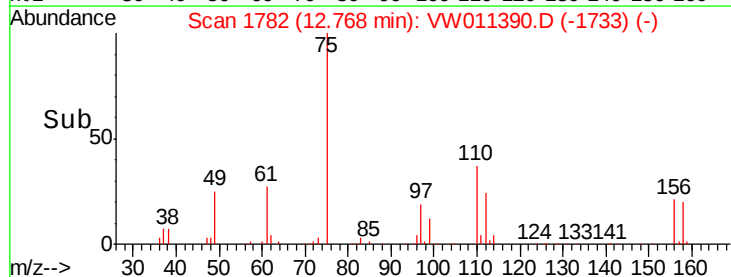
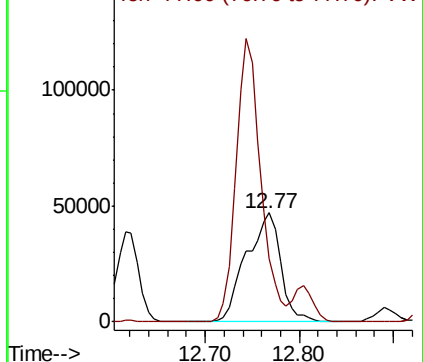
Ion Ratio Lower Upper

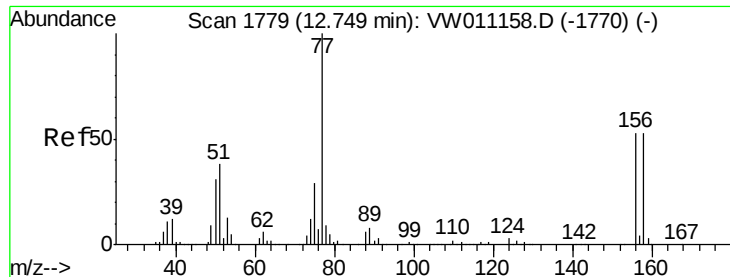
75 100

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: 48.802 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

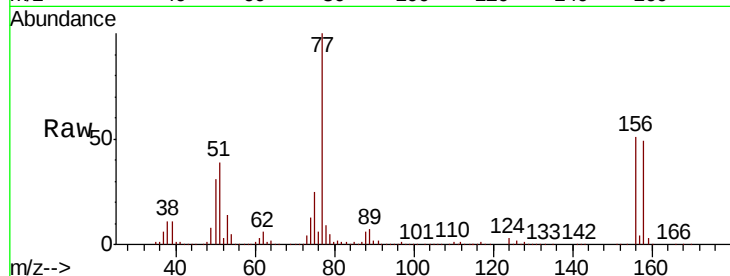
Tot Ion:156 Resp: 103922

Ion Ratio Lower Upper

156 100

77 215.2 109.0 327.0

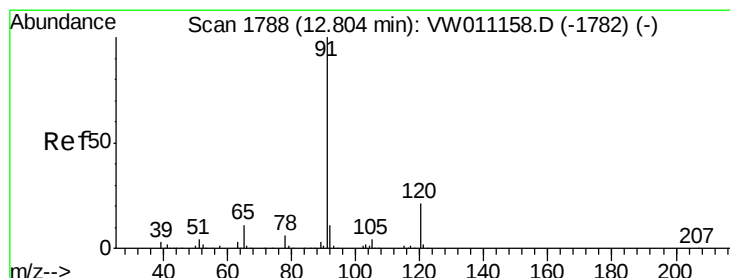
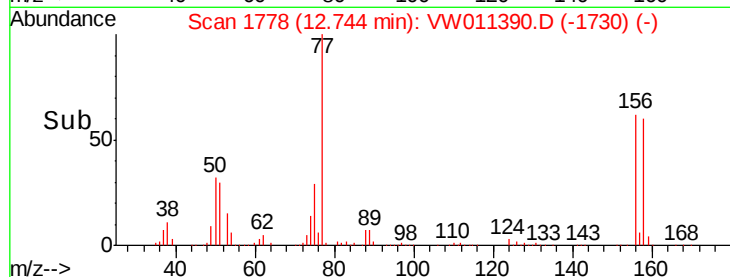
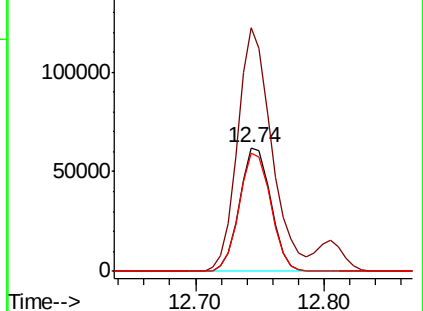
158 96.6 48.8 146.3



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: 48.721 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011390.D

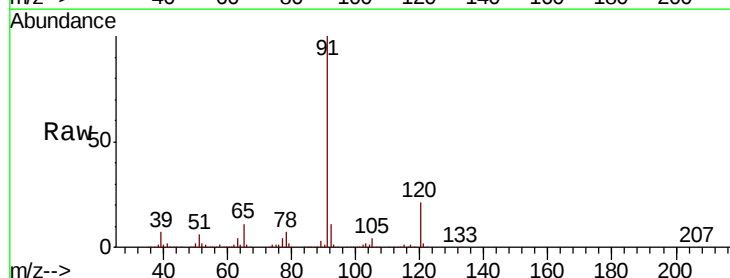
Acq: 19 Jul 2019 22:03

Tgt Ion: 91 Resp: 569493

Ion Ratio Lower Upper

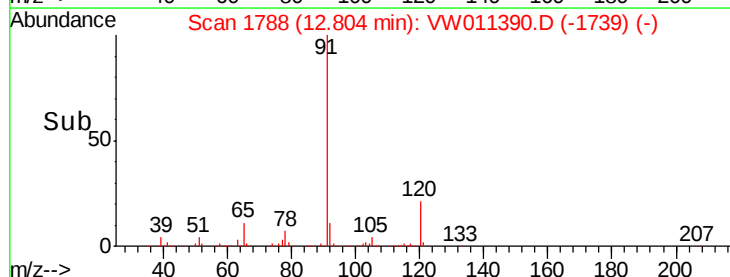
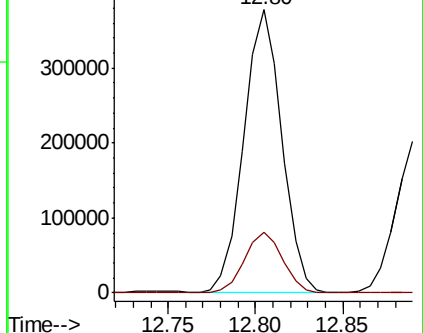
91 100

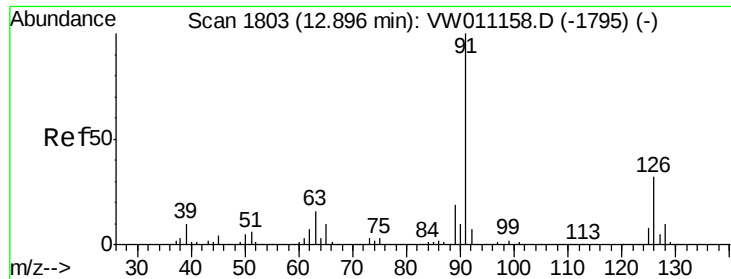
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

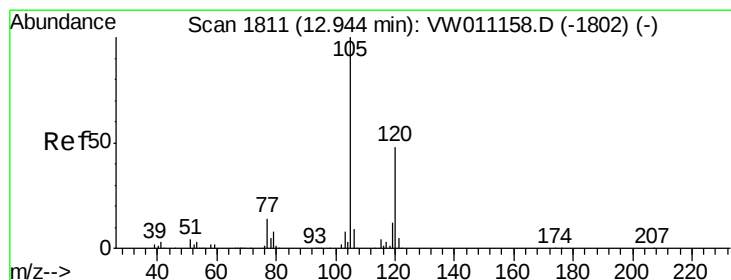
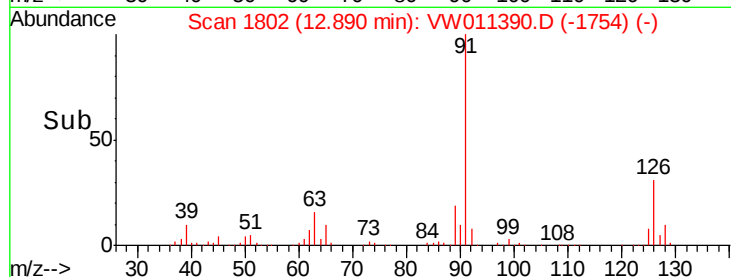
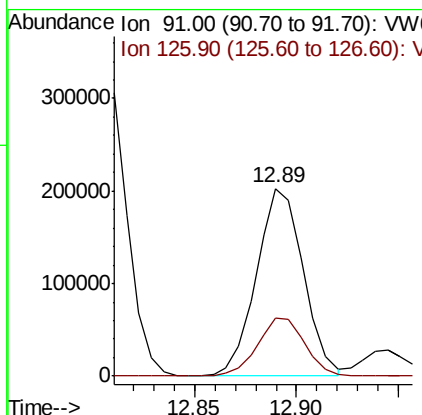
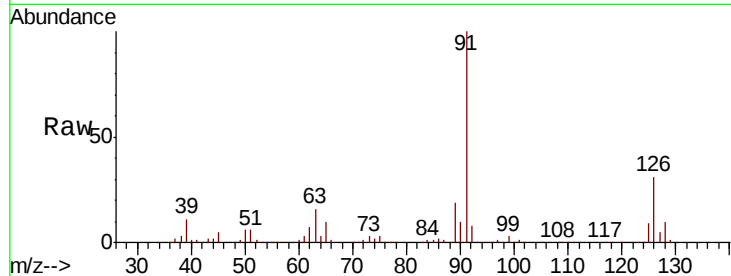




#79
 2-Chlorotoluene
 Concen: 48.265 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

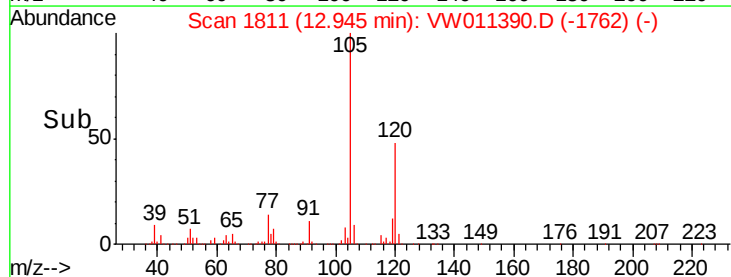
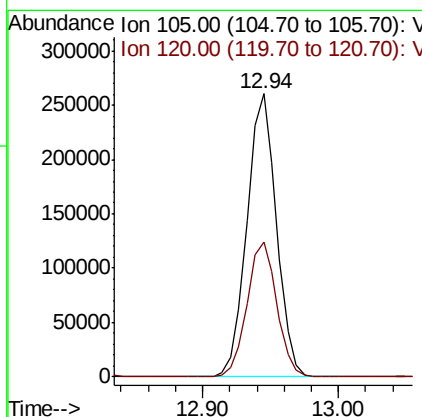
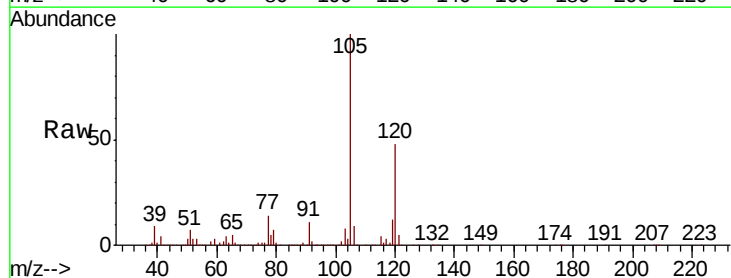
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

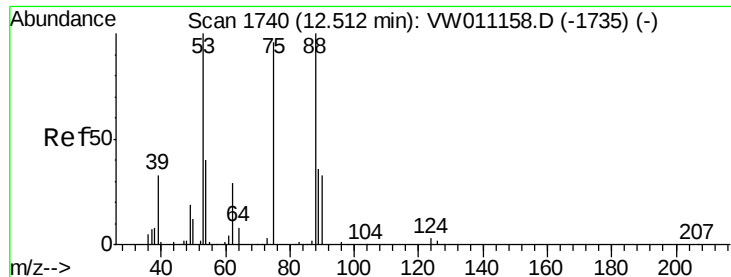
Tot Ion: 91 Resp: 324648
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 48.940 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion: 105 Resp: 394518
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 40.518 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

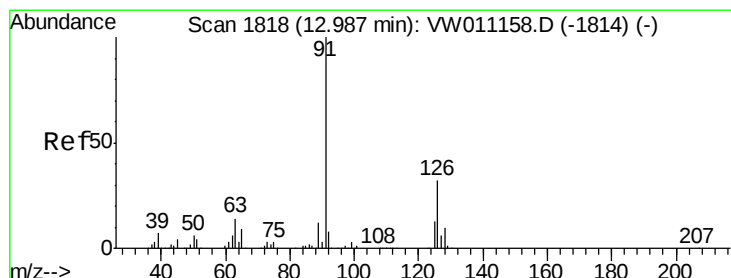
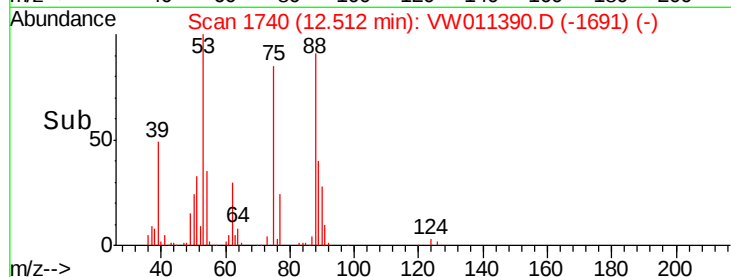
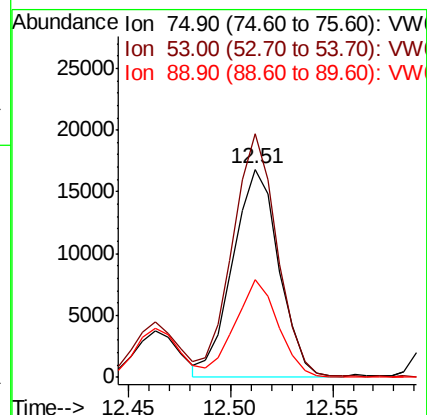
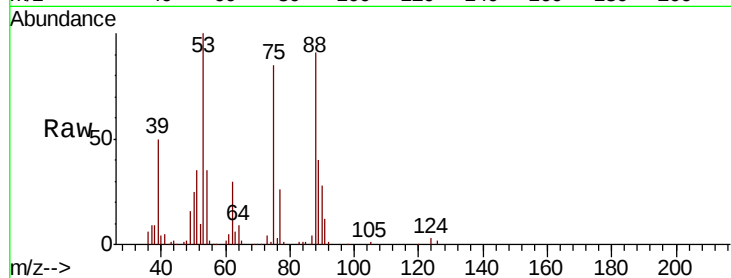
Tot Ion: 75 Resp: 26278

Ion Ratio Lower Upper

75 100

53 113.8 89.8 134.6

89 43.9 34.3 51.5



#82

4-Chlorotoluene

Concen: 49.189 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011390.D

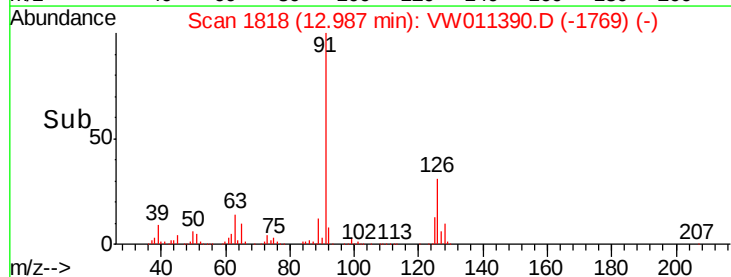
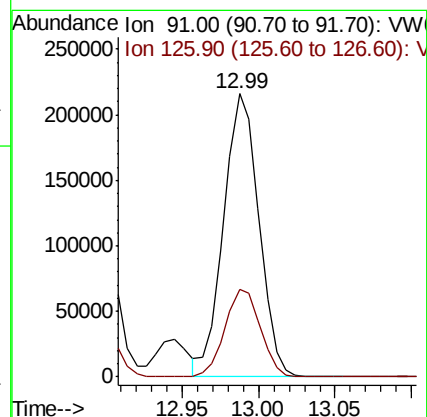
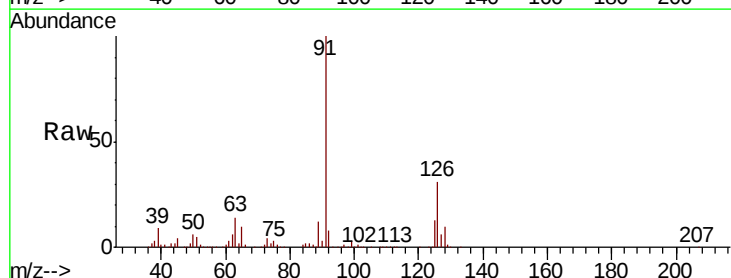
Acq: 19 Jul 2019 22:03

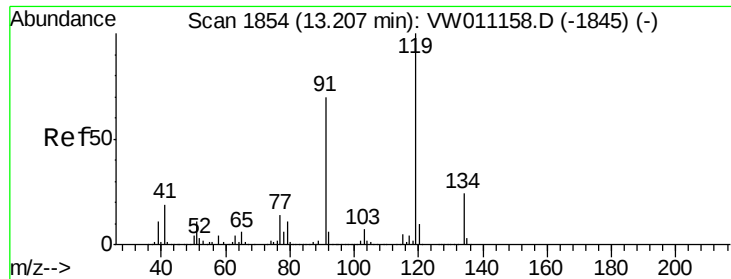
Tgt Ion: 91 Resp: 344618

Ion Ratio Lower Upper

91 100

126 31.2 15.7 47.1

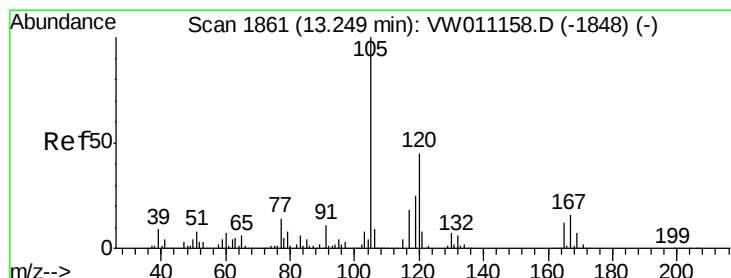
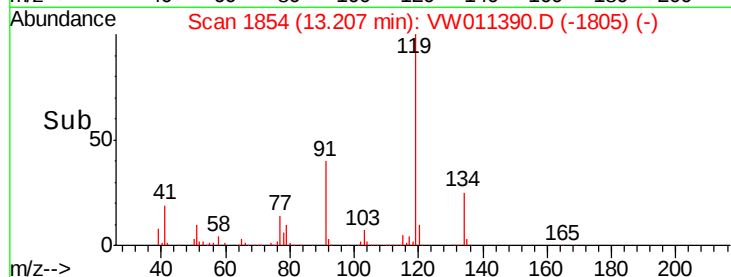
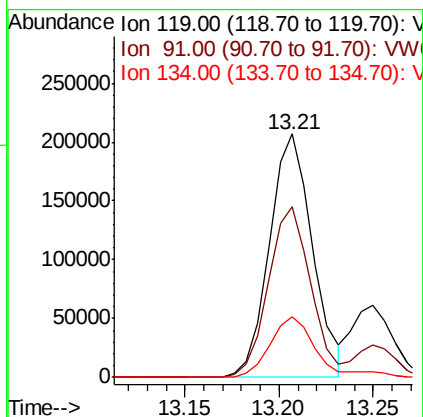
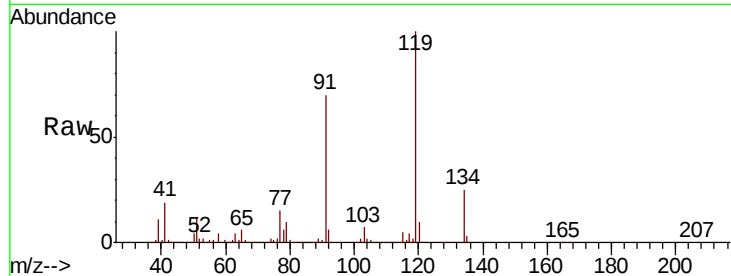




#83
tert-Butylbenzene
Concen: 48.767 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

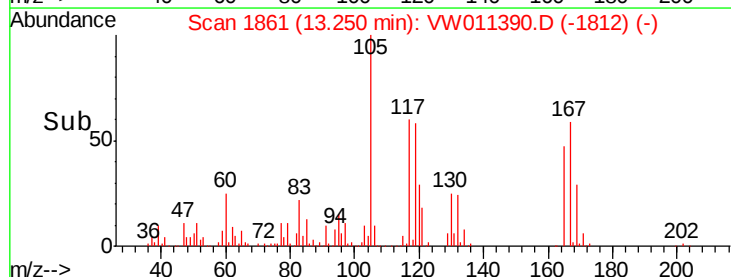
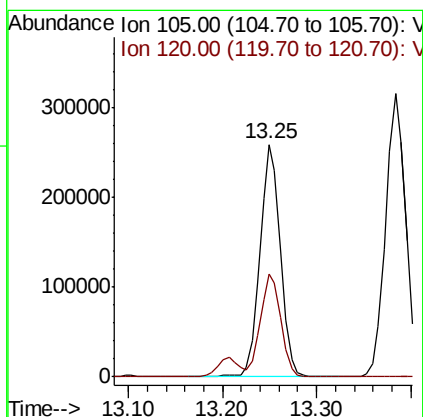
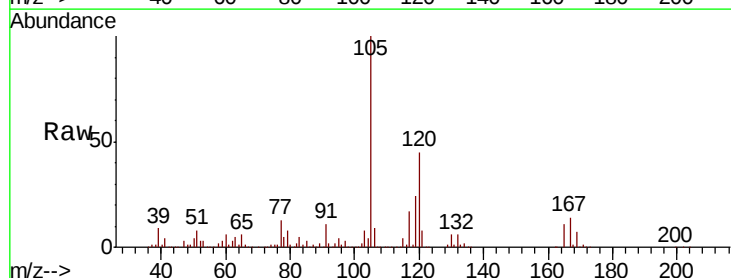
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

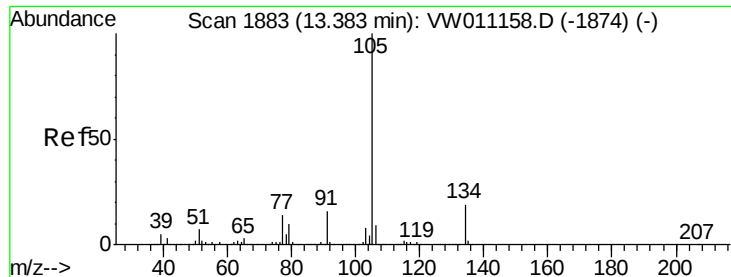
Tot Ion:119 Resp: 327864
Ion Ratio Lower Upper
119 100
91 68.6 35.4 106.3
134 25.0 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 48.955 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion:105 Resp: 396267
Ion Ratio Lower Upper
105 100
120 44.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 48.224 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

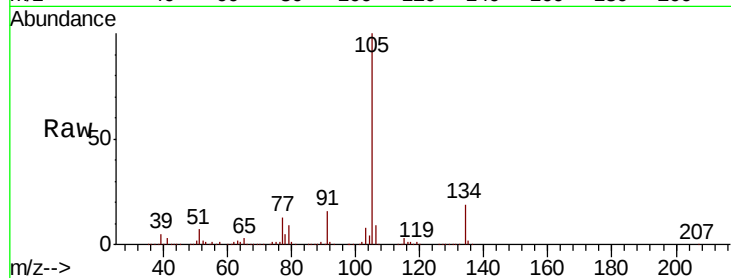
VSTDCCC050

Tot Ion:105 Resp: 467826

Ion Ratio Lower Upper

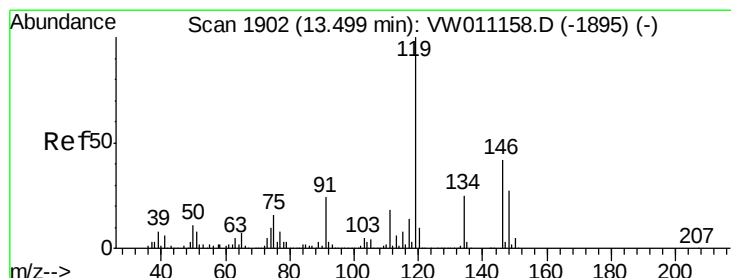
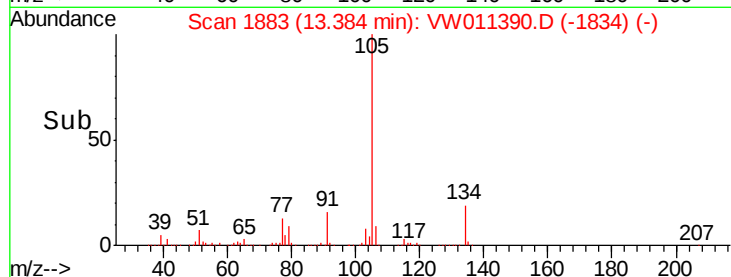
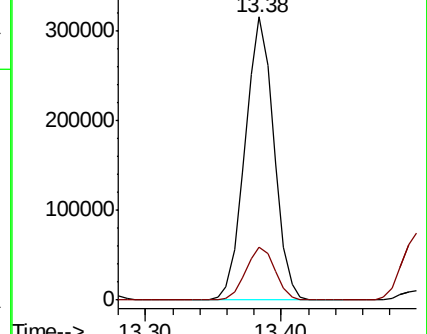
105 100

134 19.2 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: 48.828 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

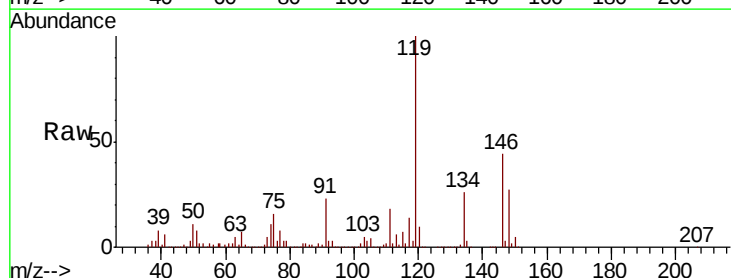
Tgt Ion:119 Resp: 424852

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.6

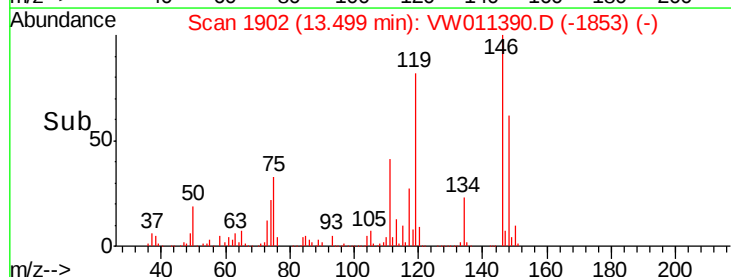
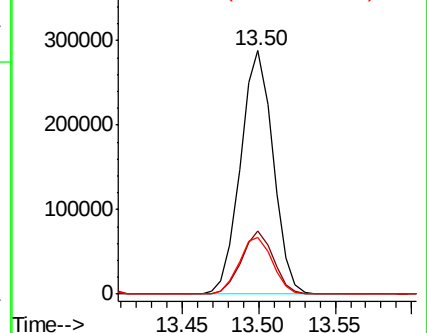
91 23.9 12.3 36.8

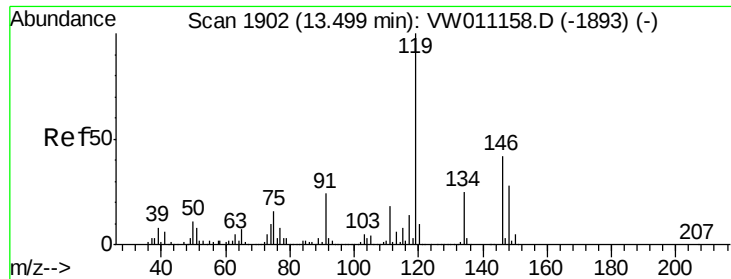


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

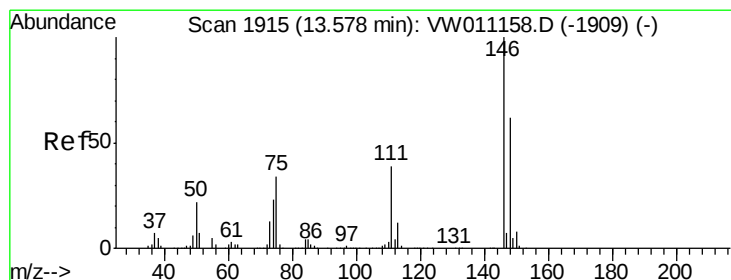
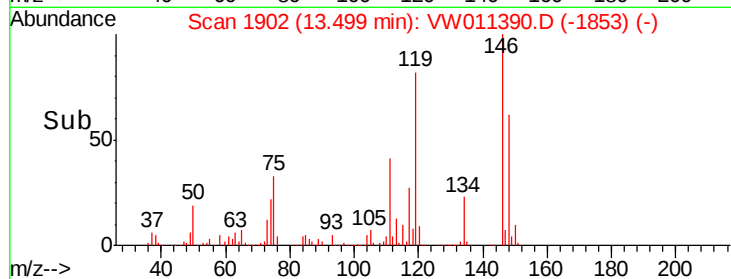
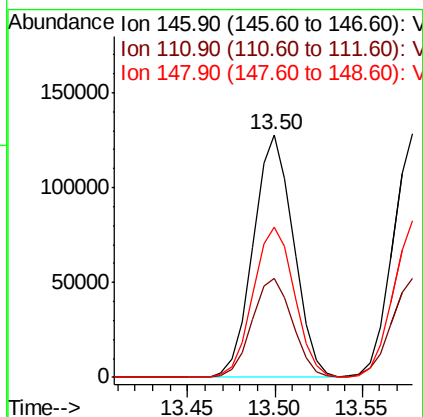
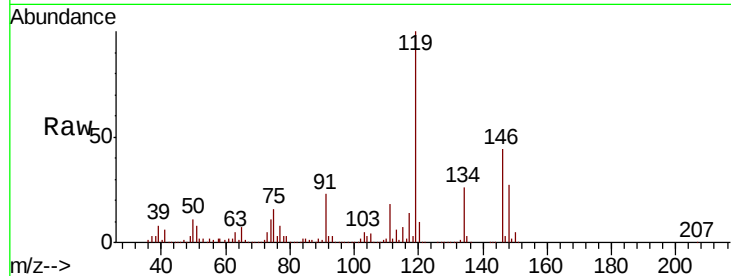




#87
 1,3-Dichlorobenzene
 Concen: 49.828 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

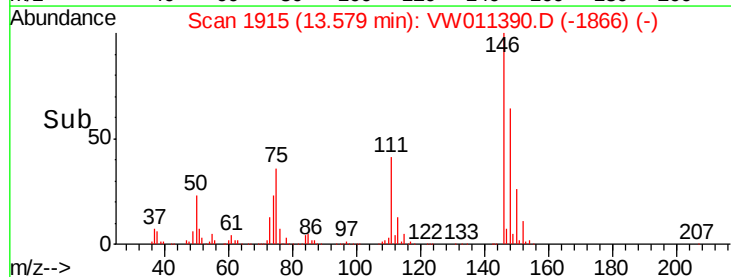
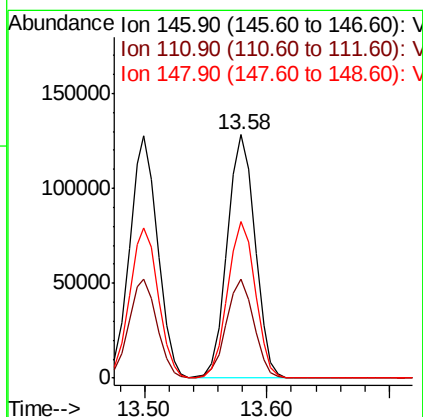
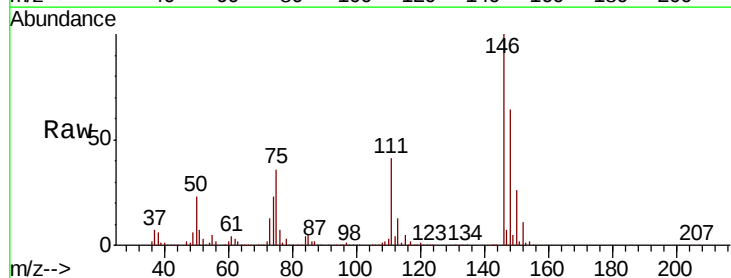
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

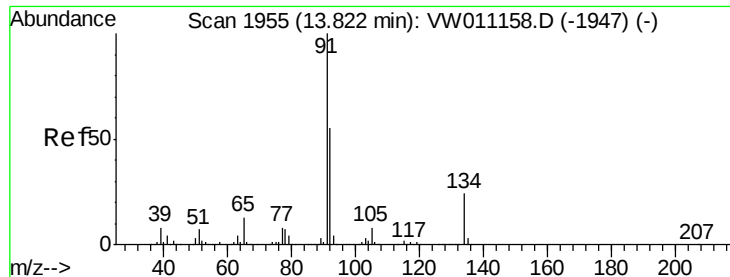
Tot Ion:146 Resp: 204152
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.1 63.1
 148 63.4 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 48.797 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion:146 Resp: 201320
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.9 59.7
 148 64.2 31.5 94.5





#89

n-Butylbenzene

Concen: 48.593 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

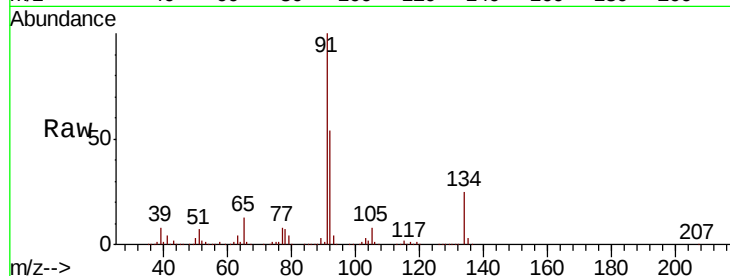
Tot Ion: 91 Resp: 421781

Ion Ratio Lower Upper

91 100

92 54.7 26.9 80.7

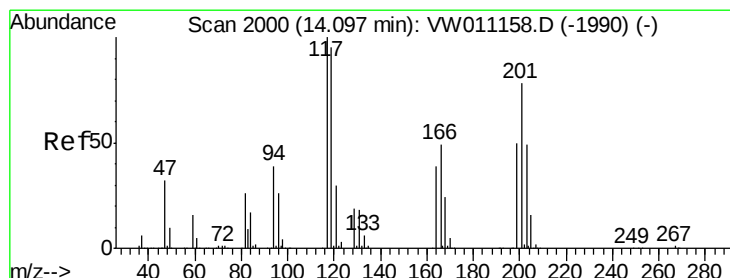
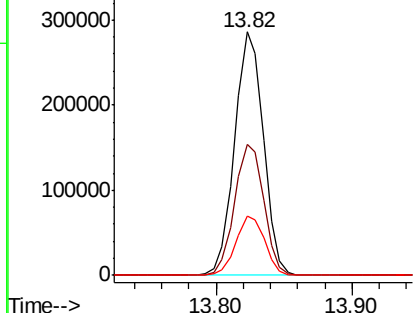
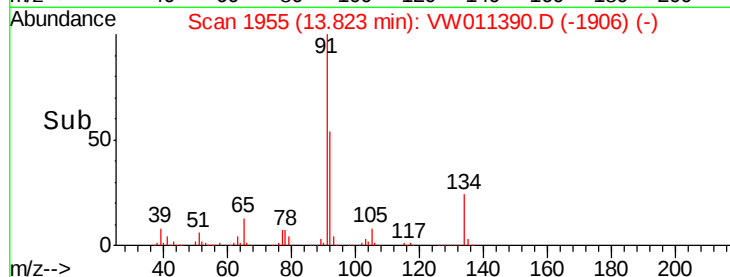
134 24.5 12.2 36.4



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: 47.455 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW011390.D

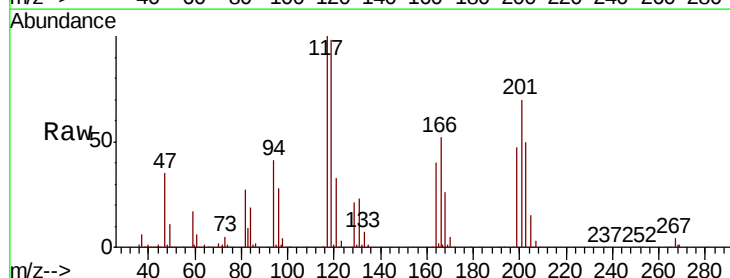
Acq: 19 Jul 2019 22:03

Tgt Ion: 117 Resp: 75453

Ion Ratio Lower Upper

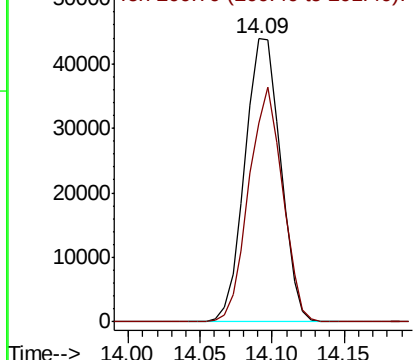
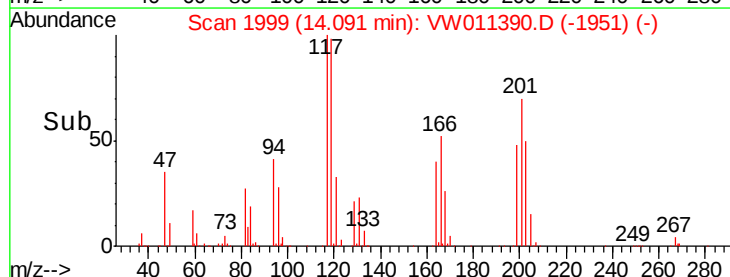
117 100

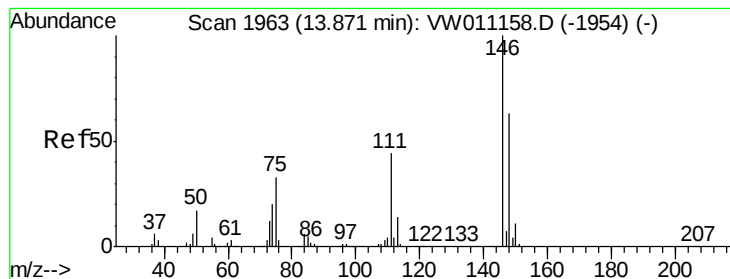
201 78.2 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 48.860 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

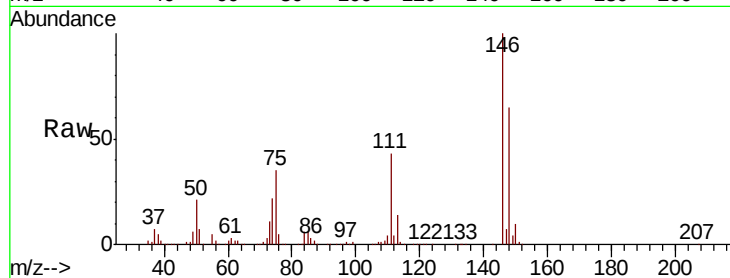
Tot Ion:146 Resp: 181610

Ion Ratio Lower Upper

146 100

111 42.8 21.6 65.0

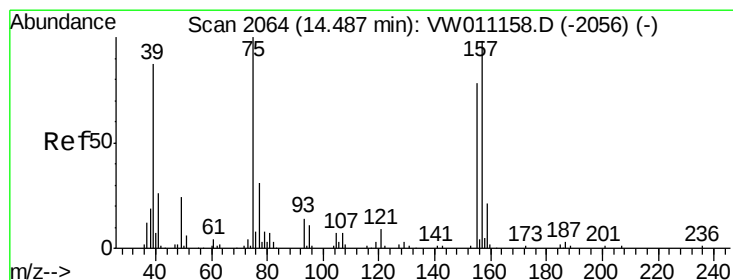
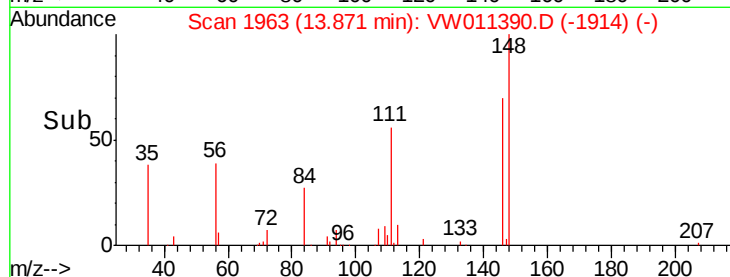
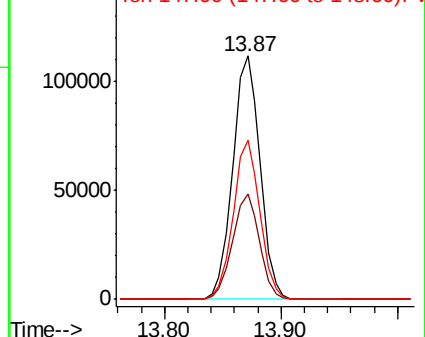
148 63.7 31.9 95.5



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: 47.224 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011390.D

Acq: 19 Jul 2019 22:03

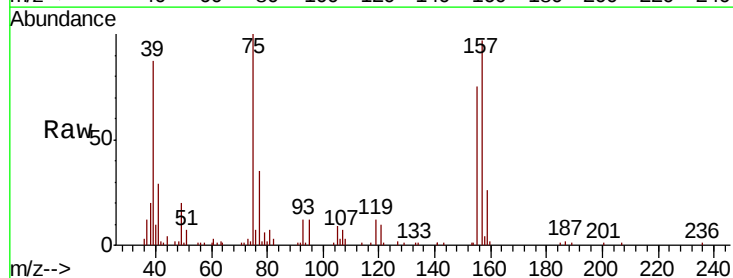
Tgt Ion: 75 Resp: 16293

Ion Ratio Lower Upper

75 100

155 73.4 37.1 111.3

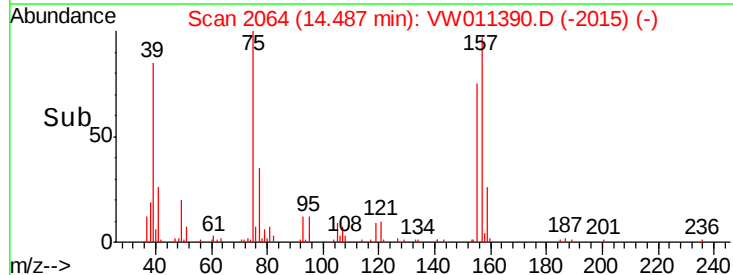
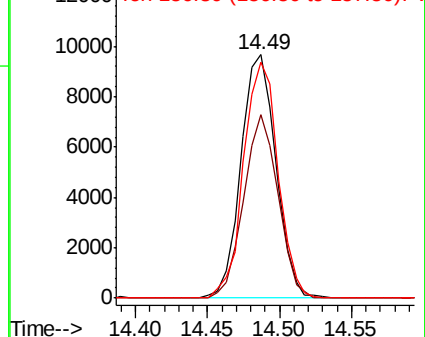
157 94.9 48.5 145.6

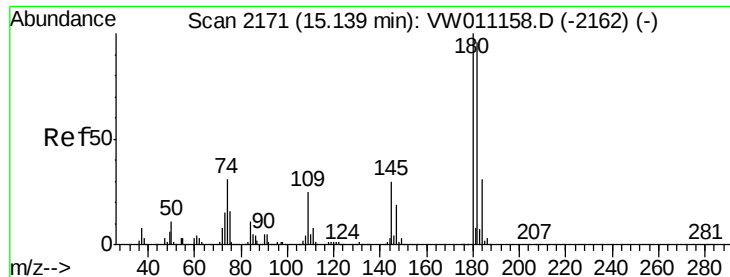


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

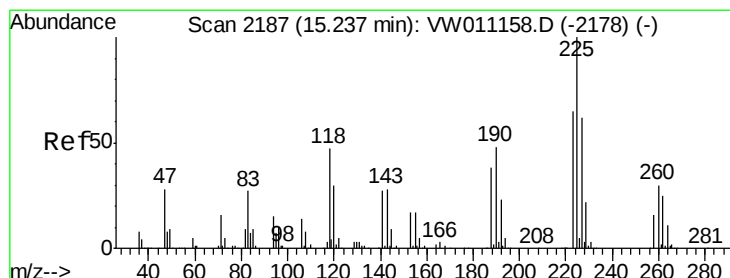
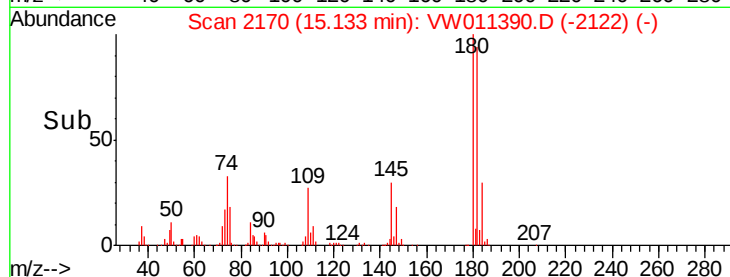
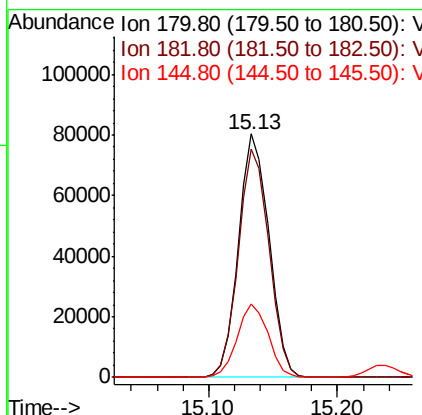
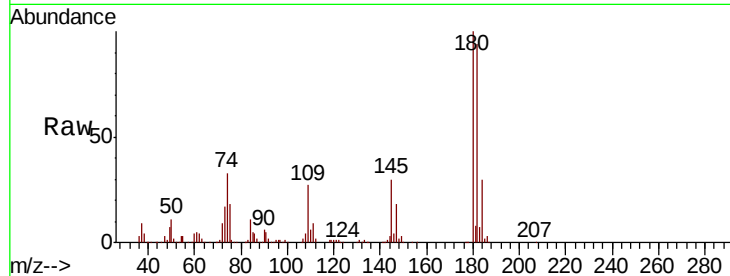




#93
 1,2,4-Trichlorobenzene
 Concen: 51.536 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

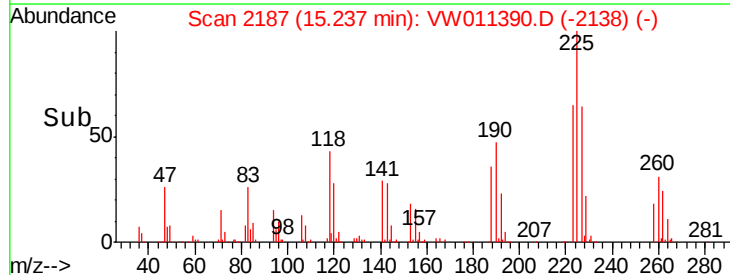
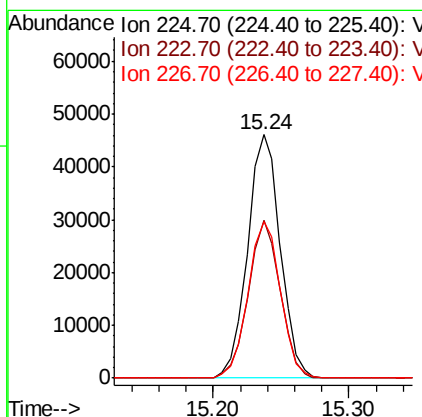
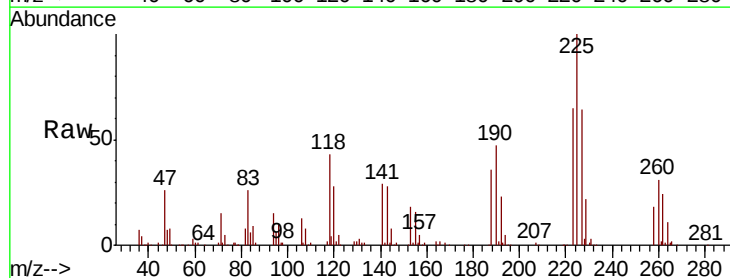
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

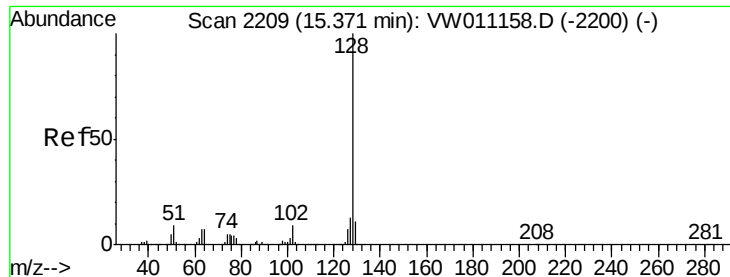
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.3	144.9
145	30.4	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 49.289 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011390.D
 Acq: 19 Jul 2019 22:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.6	95.0
227	64.3	32.0	96.0

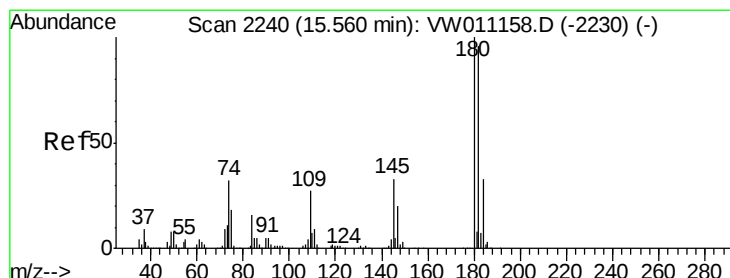
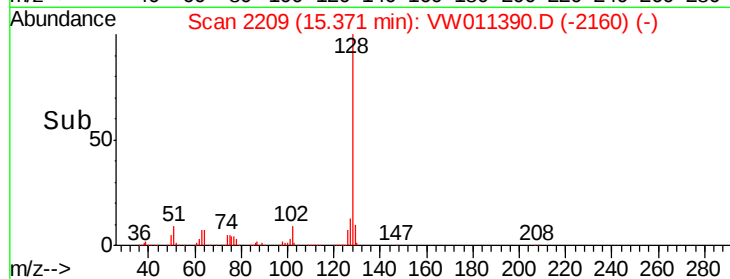
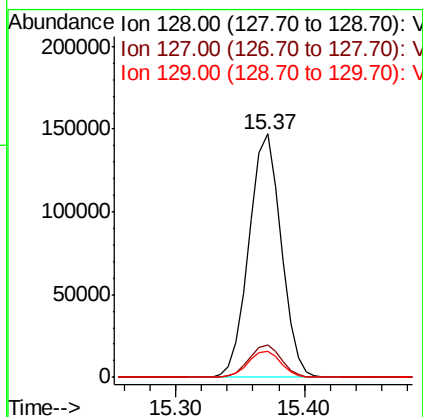
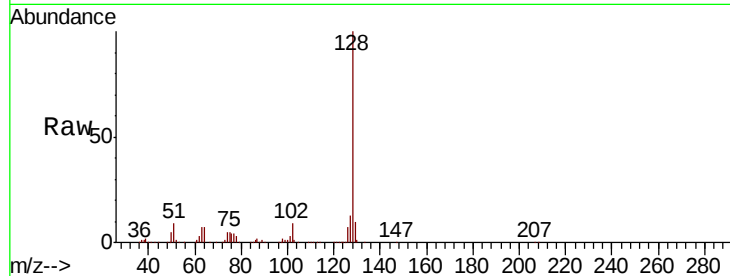




#95
Naphthalene
Concen: 51.755 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 253909
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.892 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011390.D
Acq: 19 Jul 2019 22:03

Tgt Ion:180 Resp: 117248
Ion Ratio Lower Upper
180 100
182 95.8 47.6 142.8
145 32.6 16.5 49.5

