

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011951.D
 Acq On : 16 Aug 2019 08:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 17 04:56:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138852	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.88	113	117192	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
50) Toluene-d8	10.32	98	478586	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.62	95	165480	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	63075	47.489	ug/l	92
3) Chloromethane	2.21	50	109685	47.625	ug/l	99
4) Vinyl Chloride	2.36	62	142507	51.395	ug/l	100
5) Bromomethane	2.77	94	74440	48.502	ug/l	98
6) Chloroethane	2.92	64	81826	51.662	ug/l	99
7) Trichlorofluoromethane	3.26	101	75174	60.663	ug/l	95
8) Diethyl Ether	3.68	74	66360	47.231	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	126103	53.644	ug/l	99
10) Methyl Iodide	4.27	142	171569	51.646	ug/l	100
11) Tert butyl alcohol	5.16	59	38288	184.942	ug/l	97
12) 1,1-Dichloroethene	4.04	96	129179	52.046	ug/l	98
13) Acrolein	3.89	56	30533	155.496	ug/l	96
14) Allyl chloride	4.66	41	281354	53.297	ug/l	99
15) Acrylonitrile	5.36	53	162730	232.017	ug/l	98
16) Acetone	4.12	43	204082	234.442	ug/l	98
17) Carbon Disulfide	4.38	76	386546	49.759	ug/l	100
18) Methyl Acetate	4.67	43	84065	42.987	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	194753	49.447	ug/l	98
20) Methylene Chloride	4.91	84	136167	45.356	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	137975	51.562	ug/l	98
22) Diisopropyl ether	6.31	45	499239	50.160	ug/l	99
23) Vinyl Acetate	6.25	43	1525630	243.948	ug/l	100
24) 1,1-Dichloroethane	6.21	63	274260	51.452	ug/l	100
25) 2-Butanone	7.17	43	255346	224.169	ug/l	99
26) 2,2-Dichloropropane	7.17	77	160322	48.906	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	146187	49.638	ug/l	99
28) Bromochloromethane	7.51	49	120932	51.113	ug/l	99
29) Tetrahydrofuran	7.52	42	143799	220.853	ug/l	99
30) Chloroform	7.67	83	247842	50.398	ug/l	97
31) Cyclohexane	7.95	56	252785	49.404	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	198399	52.975	ug/l	100
36) 1,1-Dichloropropene	8.08	75	209775	53.787	ug/l	99
37) Ethyl Acetate	7.25	43	102492	45.677	ug/l	99
38) Carbon Tetrachloride	8.07	117	184604	55.291	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	233202	54.302	ug/l	99
40) Benzene	8.32	78	567086	51.910	ug/l	99
41) Methacrylonitrile	7.48	41	66199	49.354	ug/l	95
42) 1,2-Dichloroethane	8.40	62	170483	49.844	ug/l	100
43) Isopropyl Acetate	8.42	43	195578	47.394	ug/l	99
44) Trichloroethene	9.09	130	139691	53.202	ug/l	99
45) 1,2-Dichloropropane	9.37	63	150662	51.543	ug/l	98
46) Dibromomethane	9.46	93	66271	49.674	ug/l	99
47) Bromodichloromethane	9.65	83	180261	51.509	ug/l	99
48) Methyl methacrylate	9.43	41	96545	48.704	ug/l	96
49) 1,4-Dioxane	9.45	88	17718	917.211	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	495279	230.743	ug/l	100
52) Toluene	10.39	92	345681	52.398	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	184719	50.529	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	224615	51.676	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	92341	48.782	ug/l	98
56) Ethyl methacrylate	10.65	69	134747	48.646	ug/l	99
57) 1,3-Dichloropropane	10.93	76	175182	48.917	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	358978	285.431	ug/l	100
59) 2-Hexanone	10.97	43	371159	244.903	ug/l	99
60) Dibromochloromethane	11.13	129	106858	50.856	ug/l	100
61) 1,2-Dibromoethane	11.24	107	86843	48.479	ug/l	99
64) Tetrachloroethene	10.86	164	112079	53.631	ug/l	99
65) Chlorobenzene	11.66	112	339248	52.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	118660	52.793	ug/l	99
67) Ethyl Benzene	11.73	91	668788	54.419	ug/l	99
68) m/p-Xylenes	11.84	106	486964	108.955	ug/l	99
69) o-Xylene	12.16	106	223756	53.875	ug/l	100
70) Styrene	12.18	104	390309	54.353	ug/l	99
71) Bromoform	12.35	173	59121	51.589	ug/l #	99
73) Isopropylbenzene	12.46	105	632464	55.310	ug/l	99
74) N-amyl acetate	12.27	43	178212	49.780	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	106351	49.445	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	142402	87.801	ug/l #	100
77) Bromobenzene	12.75	156	132844	52.560	ug/l	99
78) n-propylbenzene	12.80	91	775352	55.715	ug/l	100
79) 2-Chlorotoluene	12.89	91	429346	53.553	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	529246	55.214	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36346	51.647	ug/l	99
82) 4-Chlorotoluene	12.99	91	453294	53.888	ug/l	100
83) tert-Butylbenzene	13.21	119	450163	56.160	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	522948	54.158	ug/l	100
85) sec-Butylbenzene	13.38	105	637512	55.739	ug/l	100
86) p-Isopropyltoluene	13.50	119	575612	55.468	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	259755	52.414	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	255846	51.897	ug/l	100
89) n-Butylbenzene	13.82	91	579127	55.922	ug/l	100
90) Hexachloroethane	14.10	117	101668	55.405	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	226182	51.602	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17408	47.461	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	163342	52.876	ug/l	99
94) Hexachlorobutadiene	15.24	225	107161	55.626	ug/l	99
95) Naphthalene	15.37	128	285210	47.252	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	141937	52.417	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: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

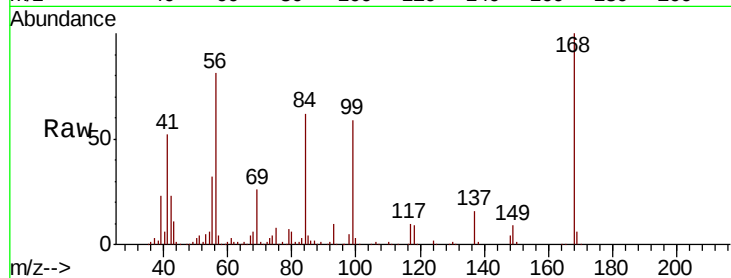
VSTDCCC050

Tgt Ion:168 Resp: 238321

Ion Ratio Lower Upper

168 100

99 59.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

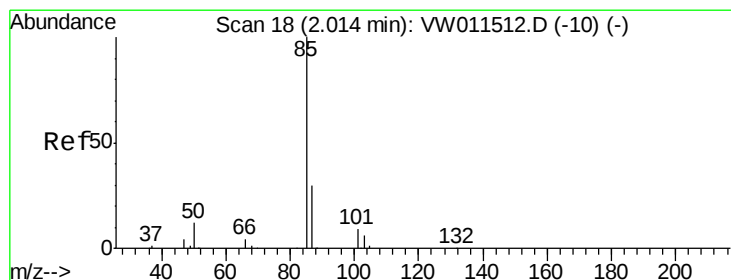
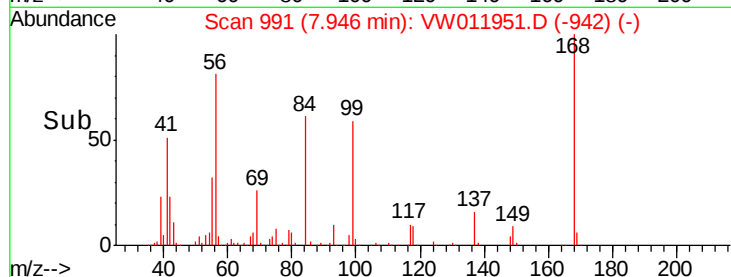
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 47.489 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011951.D

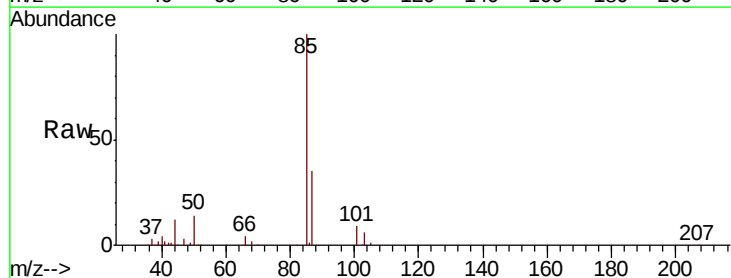
Acq: 16 Aug 2019 08:58

Tgt Ion: 85 Resp: 63075

Ion Ratio Lower Upper

85 100

87 34.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

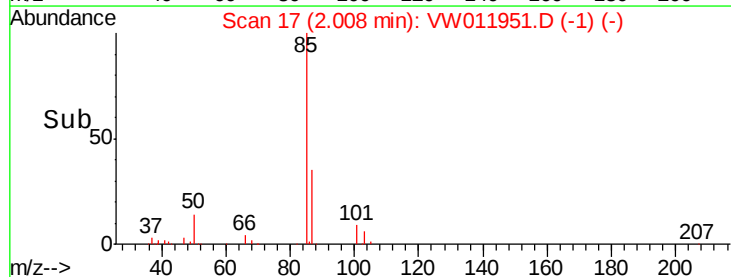
15000

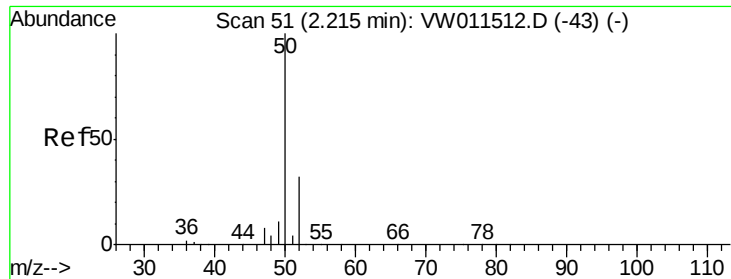
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 47.625 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

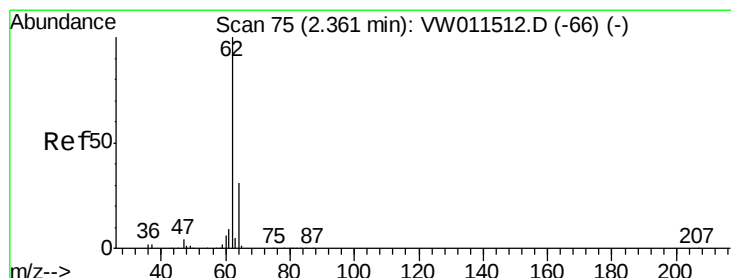
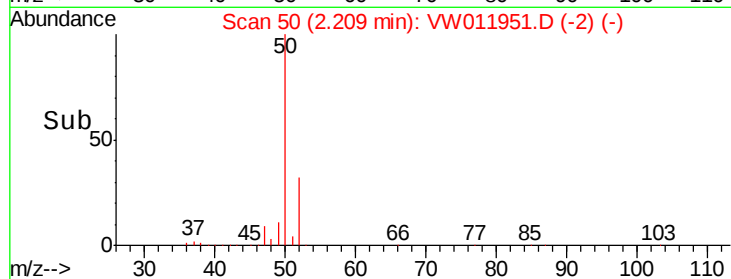
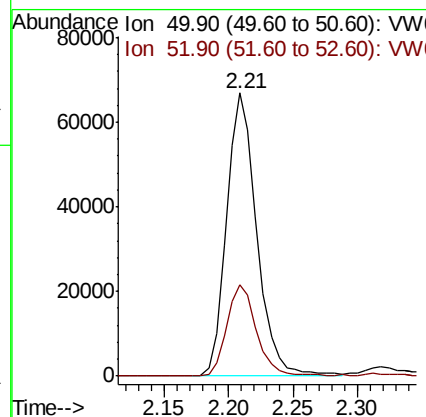
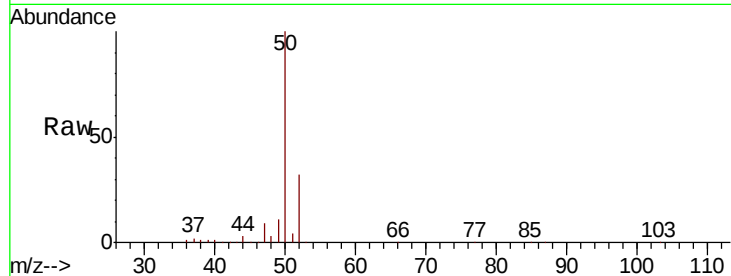
VSTDCCC050

Tgt Ion: 50 Resp: 109685

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.2



#4

Vinyl Chloride

Concen: 51.395 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011951.D

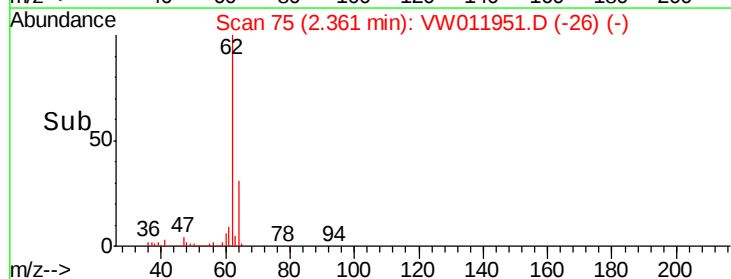
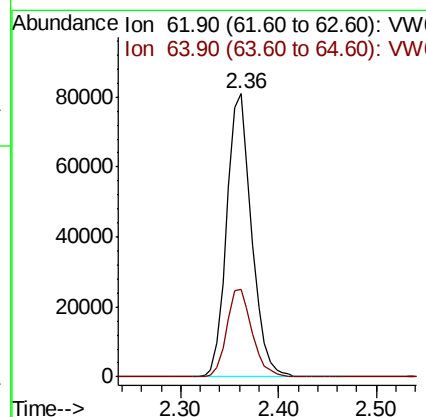
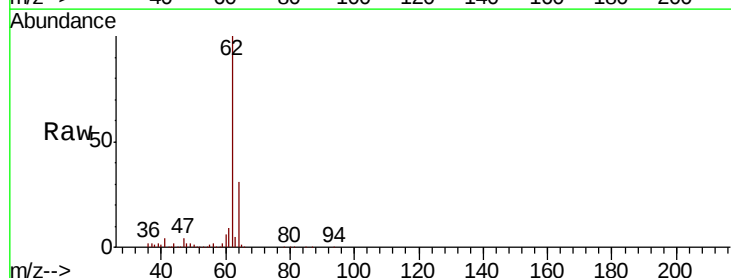
Acq: 16 Aug 2019 08:58

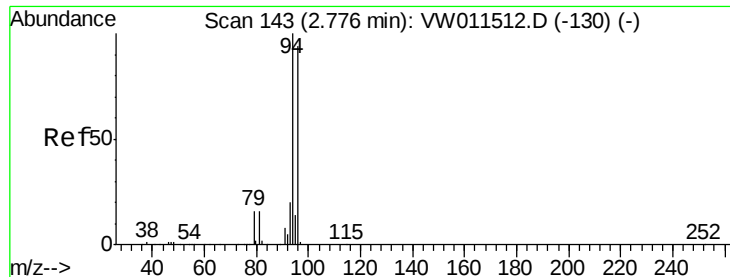
Tgt Ion: 62 Resp: 142507

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.4





#5

Bromomethane

Concen: 48.502 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

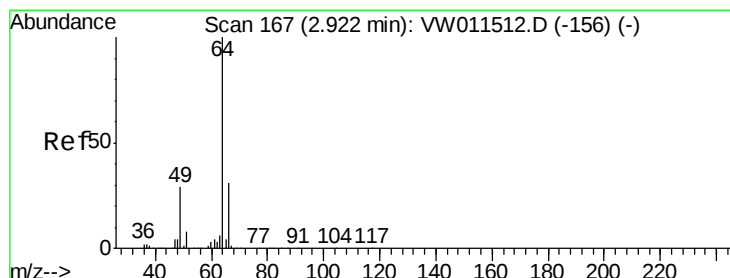
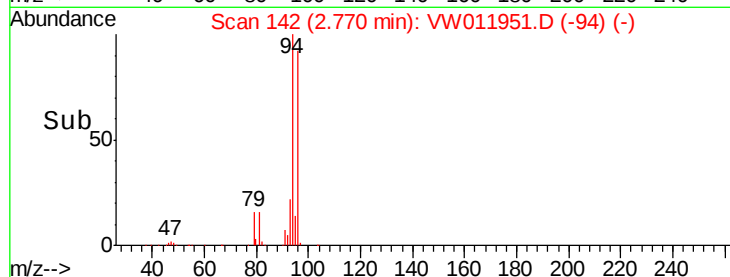
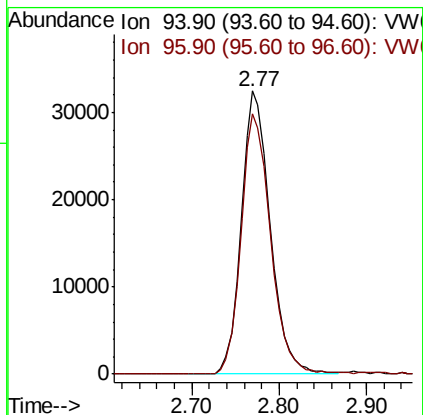
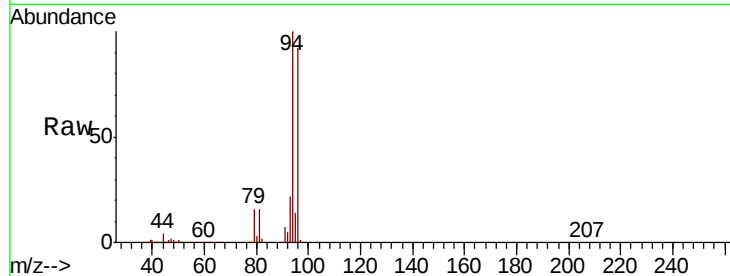
VSTDCCC050

Tgt Ion: 94 Resp: 74440

Ion Ratio Lower Upper

94 100

96 91.9 75.0 112.6



#6

Chloroethane

Concen: 51.662 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011951.D

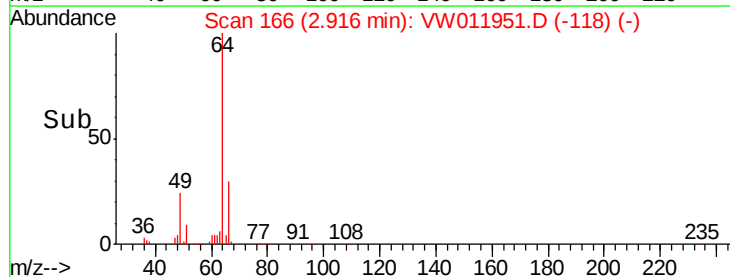
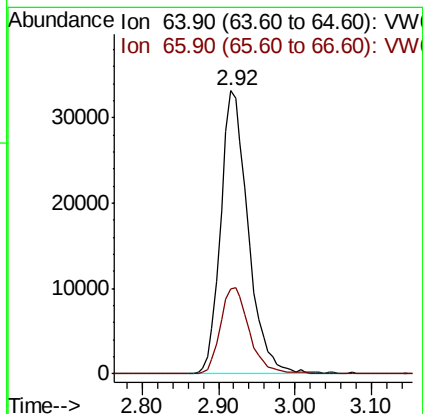
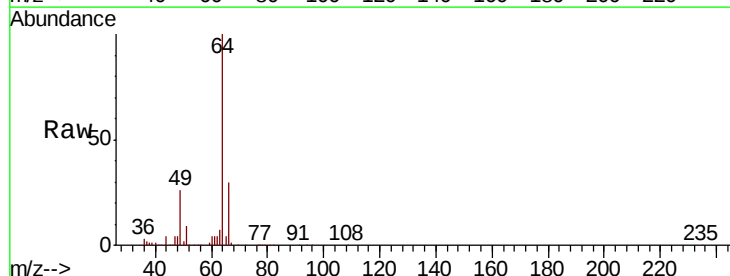
Acq: 16 Aug 2019 08:58

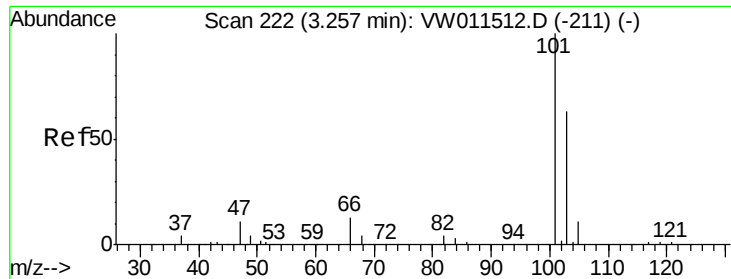
Tgt Ion: 64 Resp: 81826

Ion Ratio Lower Upper

64 100

66 29.9 24.6 36.8



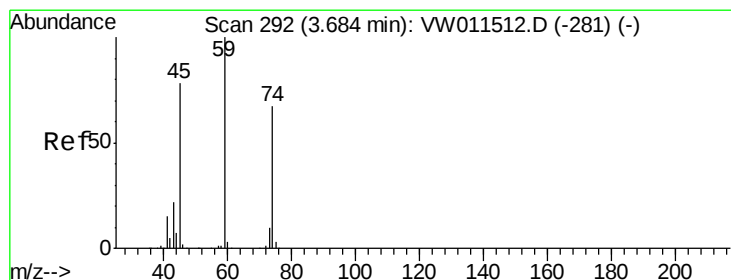
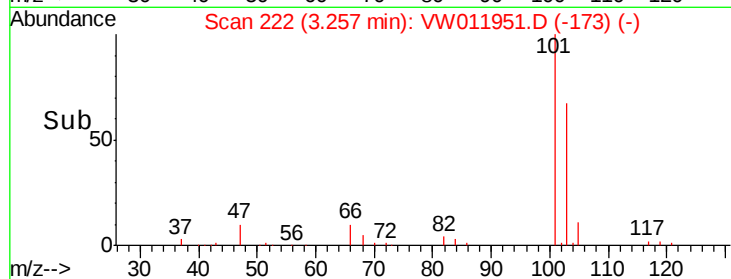
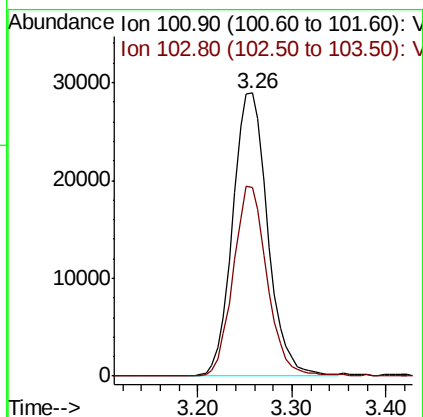
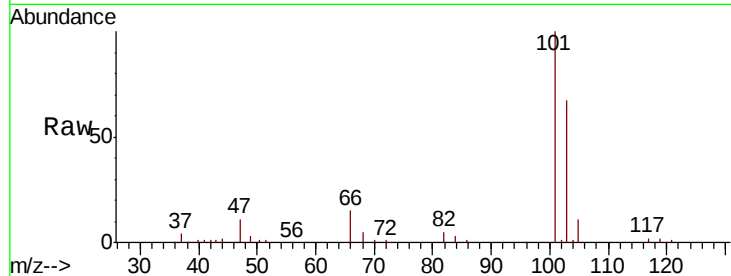


#7

Trichlorofluoromethane
 Concen: 60.663 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW011951.D
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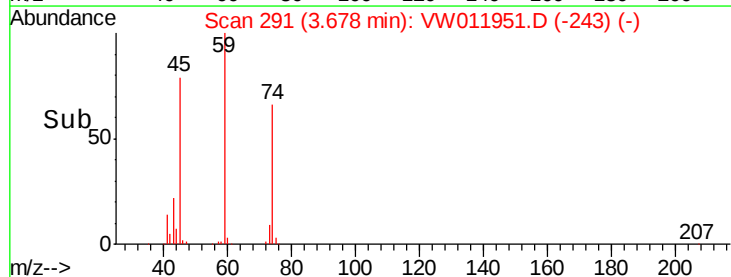
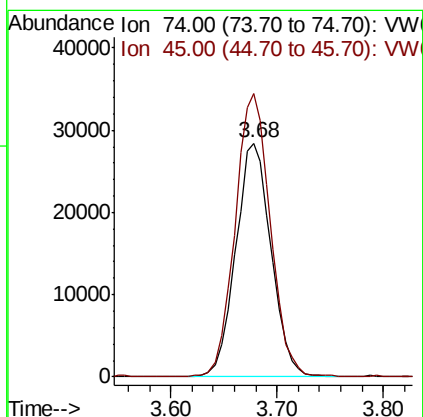
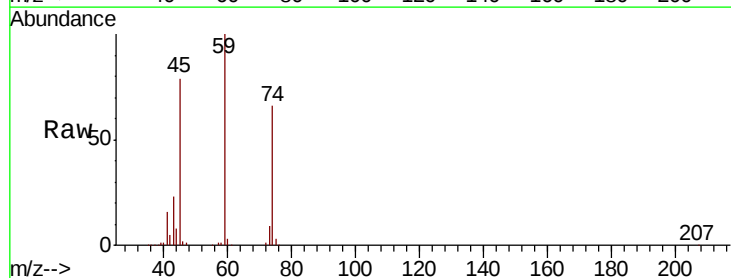
Tgt Ion: 101 Resp: 75174
 Ion Ratio Lower Upper
 101 100
 103 66.8 50.2 75.4

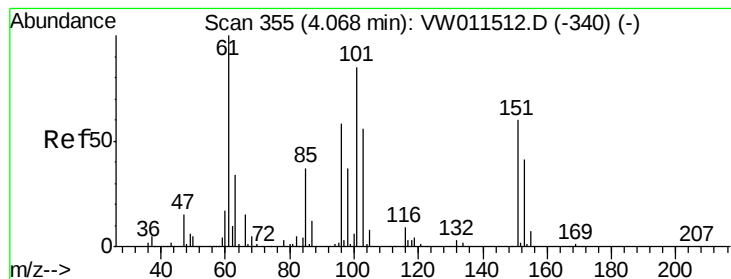


#8

Diethyl Ether
 Concen: 47.231 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion: 74 Resp: 66360
 Ion Ratio Lower Upper
 74 100
 45 119.6 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.644 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

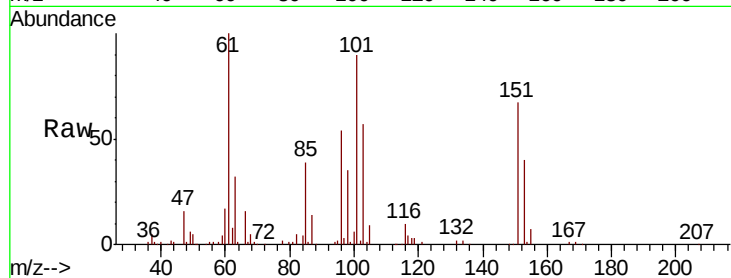
Tgt Ion:101 Resp: 126103

Ion Ratio Lower Upper

101 100

85 44.3 36.6 54.8

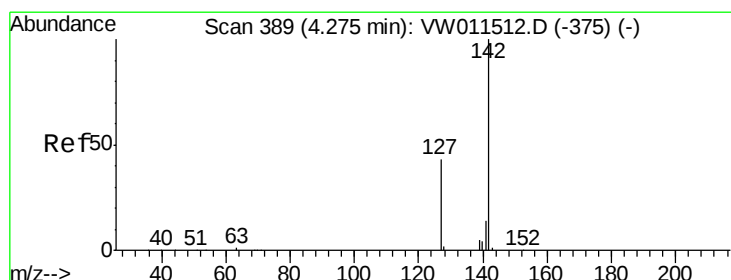
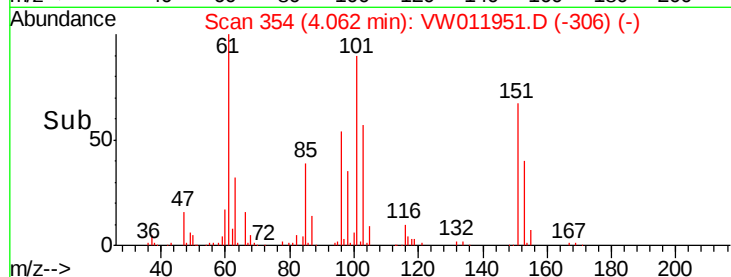
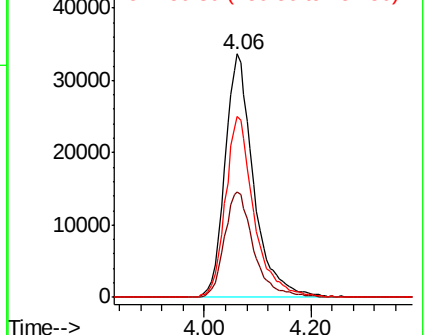
151 74.3 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.646 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

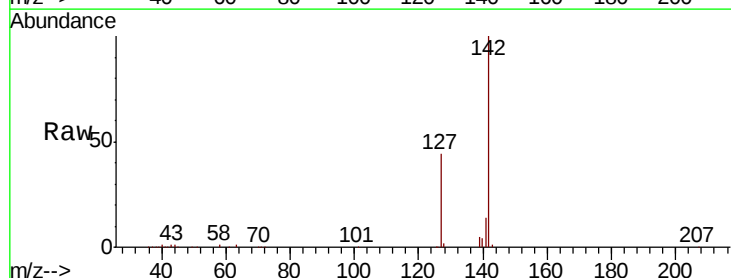
Tgt Ion:142 Resp: 171569

Ion Ratio Lower Upper

142 100

127 44.0 35.0 52.6

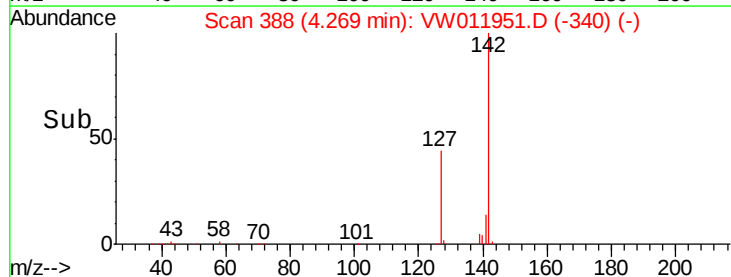
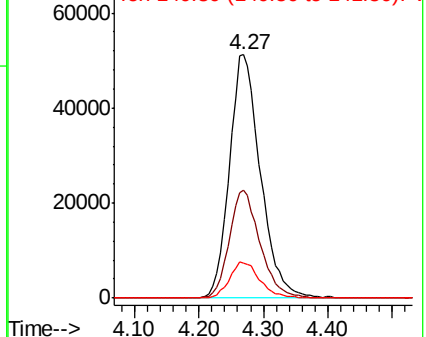
141 14.7 11.9 17.9

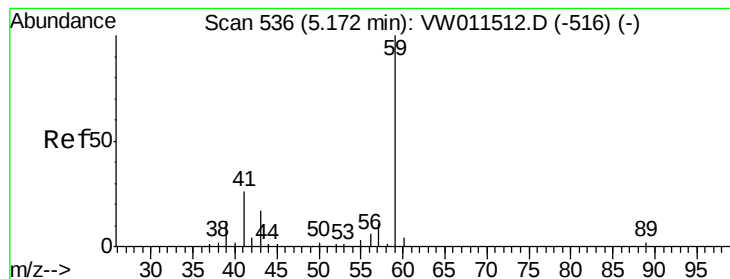


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



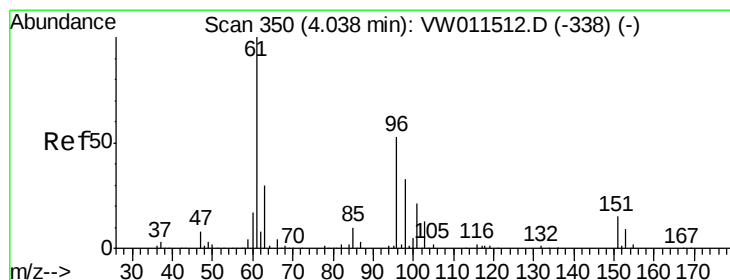
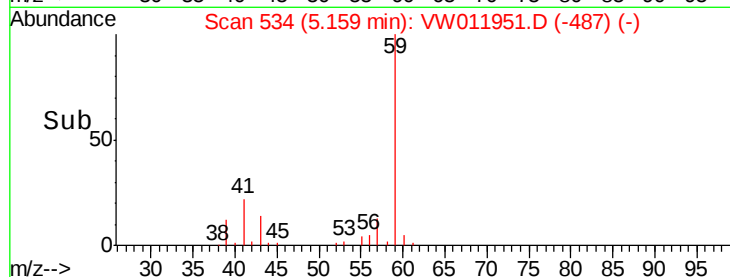
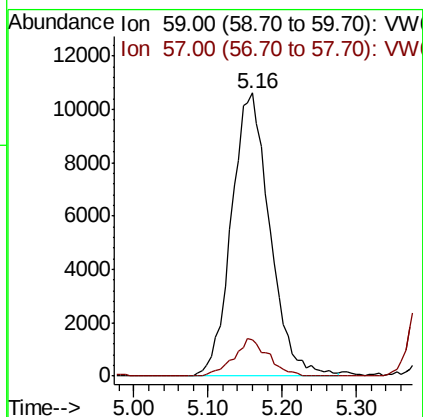
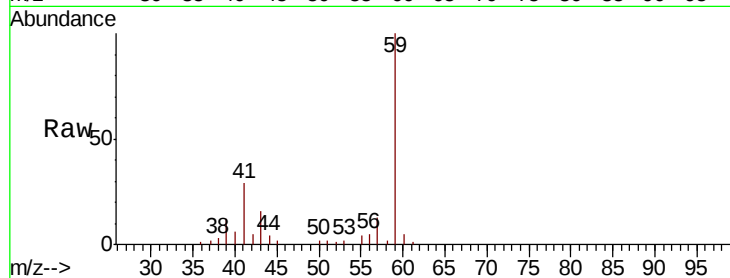


#11

Tert butyl alcohol
 Concen: 184.942 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

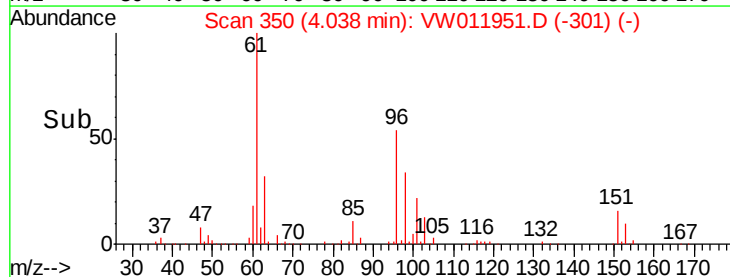
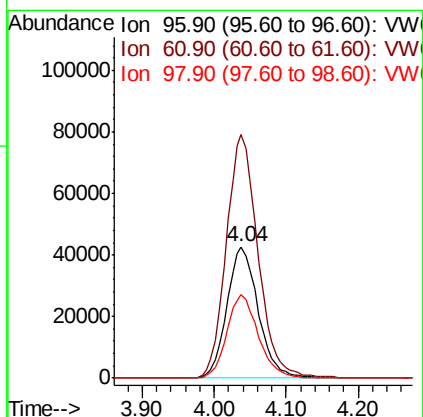
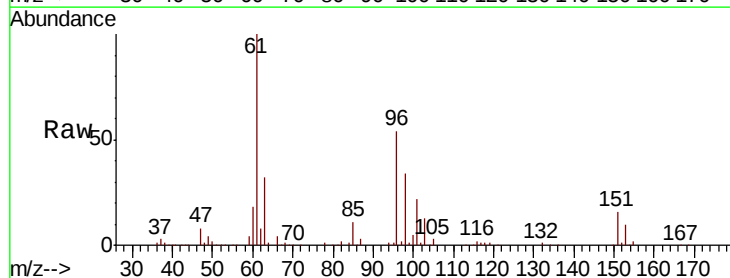
Tgt Ion: 59 Resp: 38288
 Ion Ratio Lower Upper
 59 100
 57 11.9 8.5 12.7

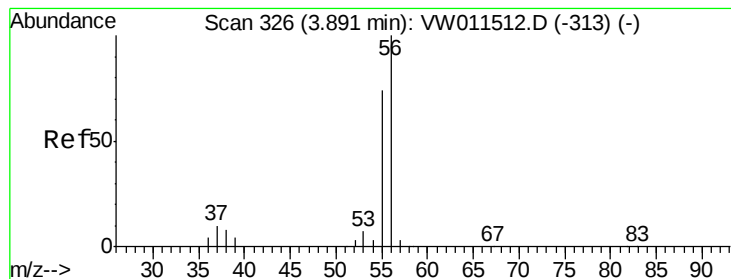


#12

1,1-Dichloroethene
 Concen: 52.046 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion: 96 Resp: 129179
 Ion Ratio Lower Upper
 96 100
 61 185.6 149.9 224.9
 98 63.4 49.1 73.7





#13

Acrolein

Concen: 155.496 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

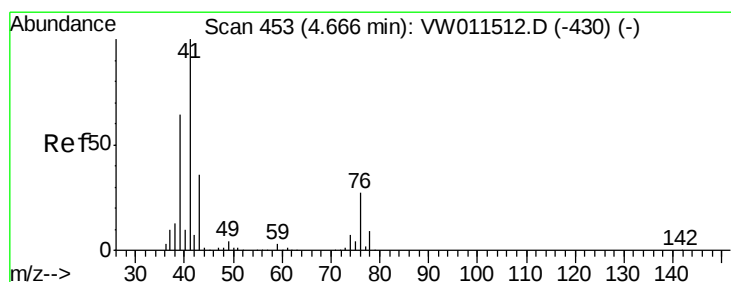
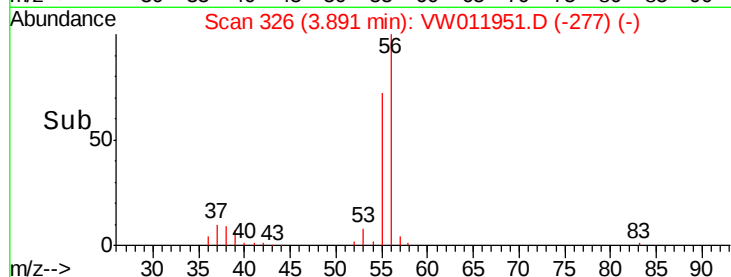
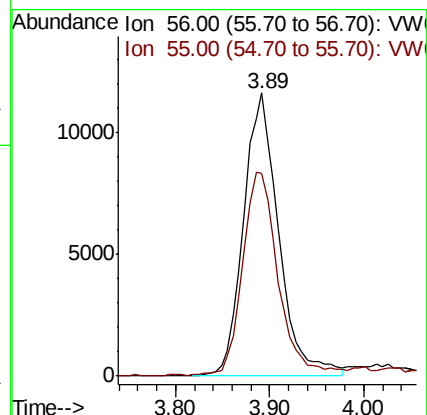
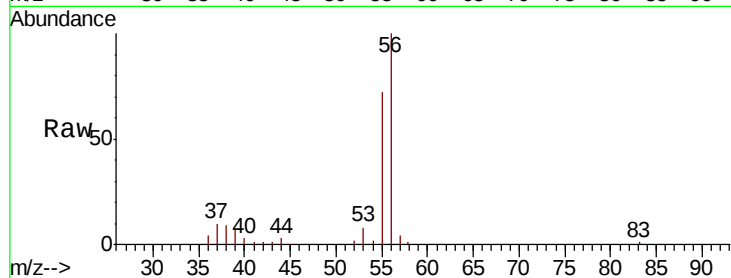
VSTDCCC050

Tgt Ion: 56 Resp: 30533

Ion Ratio Lower Upper

56 100

55 73.5 56.0 84.0



#14

Allyl chloride

Concen: 53.297 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

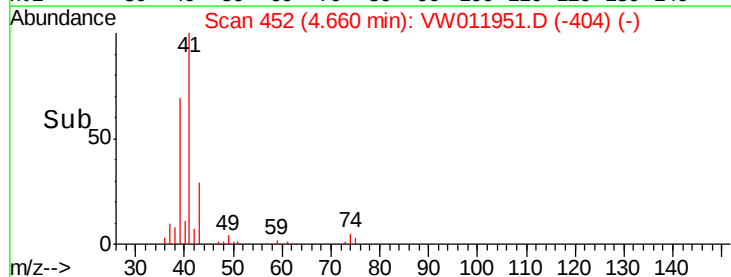
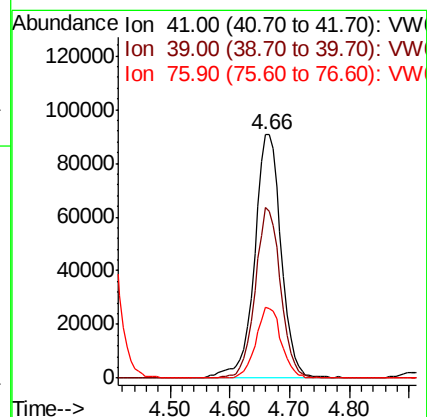
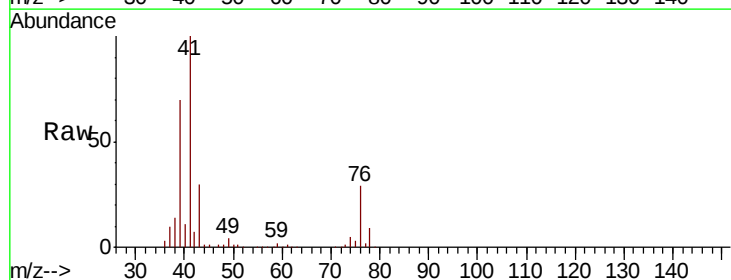
Tgt Ion: 41 Resp: 281354

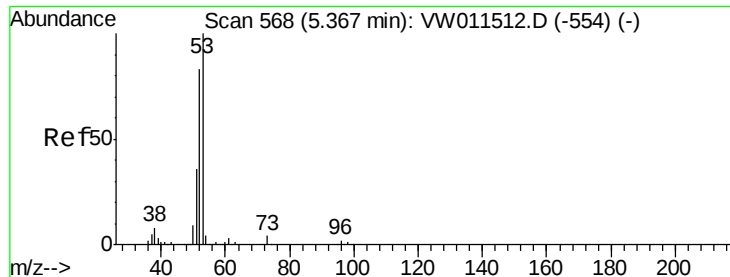
Ion Ratio Lower Upper

41 100

39 66.4 52.6 78.8

76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 232.017 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

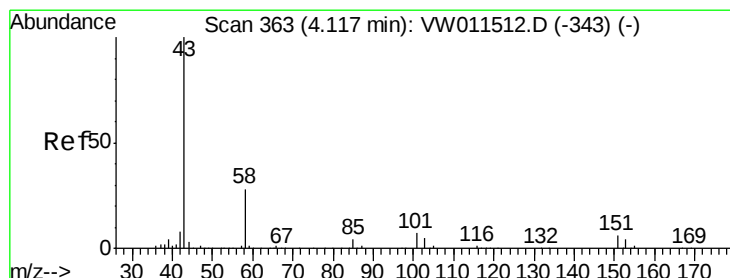
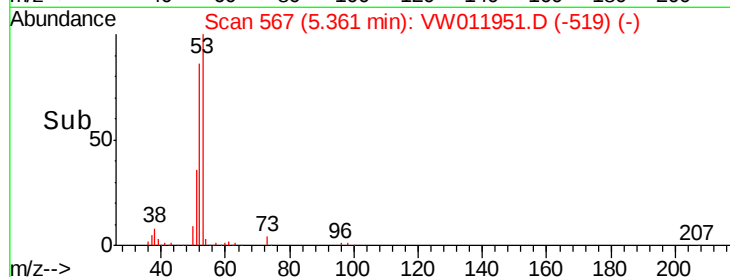
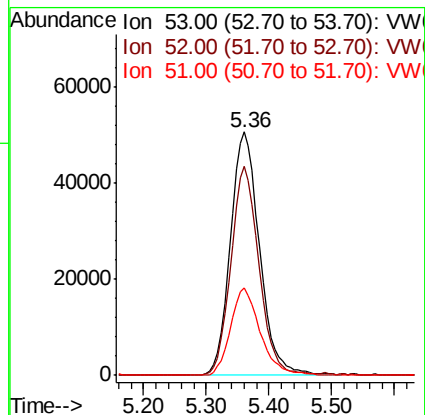
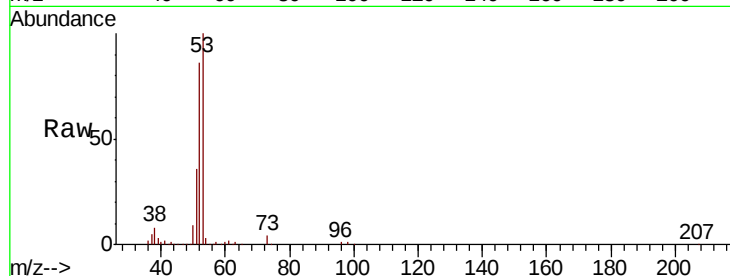
Tgt Ion: 53 Resp: 162730

Ion Ratio Lower Upper

53 100

52 82.4 67.2 100.8

51 36.7 30.0 45.0



#16

Acetone

Concen: 234.442 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011951.D

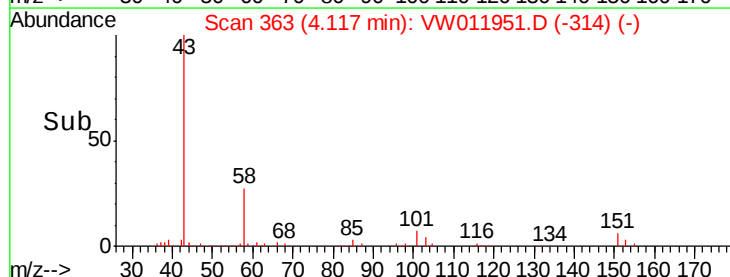
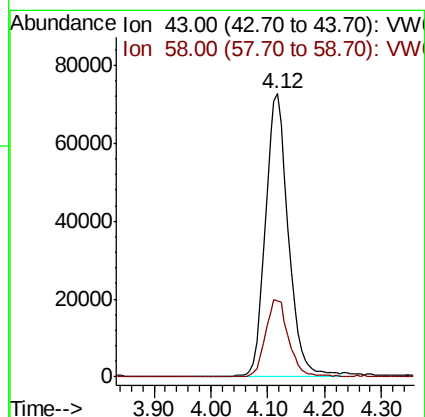
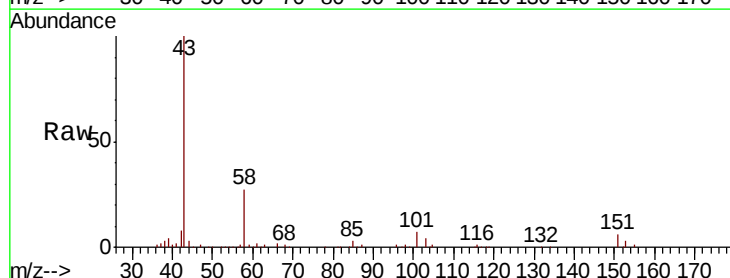
Acq: 16 Aug 2019 08:58

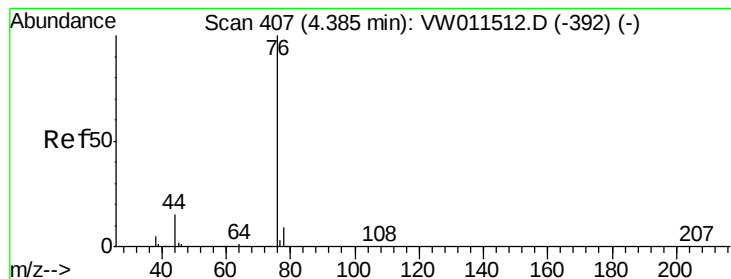
Tgt Ion: 43 Resp: 204082

Ion Ratio Lower Upper

43 100

58 27.0 22.3 33.5





#17

Carbon Disulfide

Concen: 49.759 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

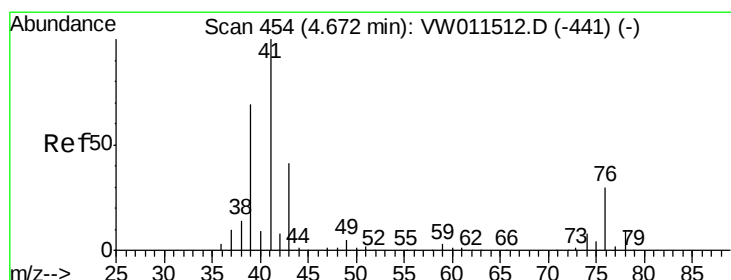
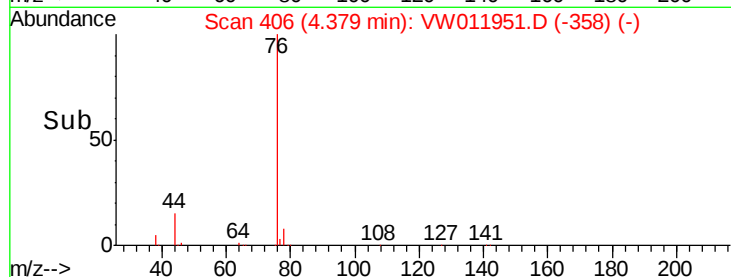
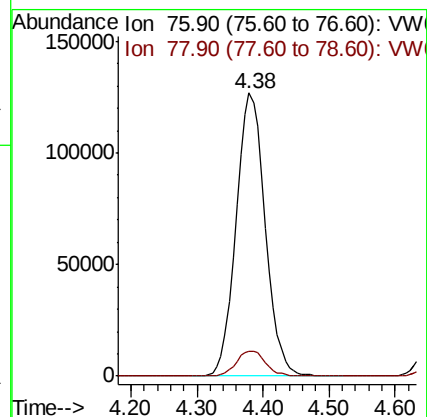
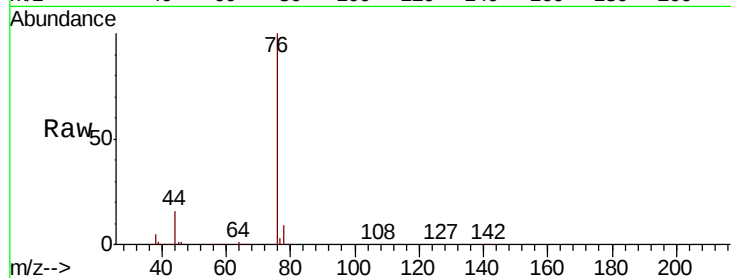
VSTDCCC050

Tgt Ion: 76 Resp: 386546

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



#18

Methyl Acetate

Concen: 42.987 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011951.D

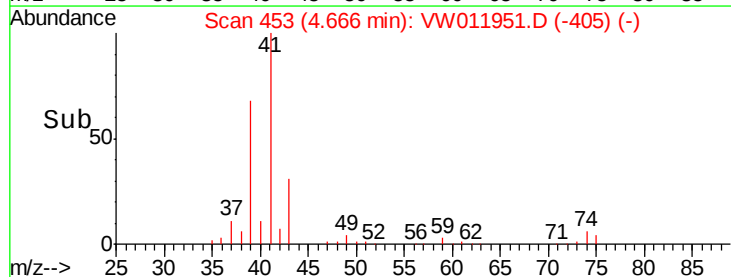
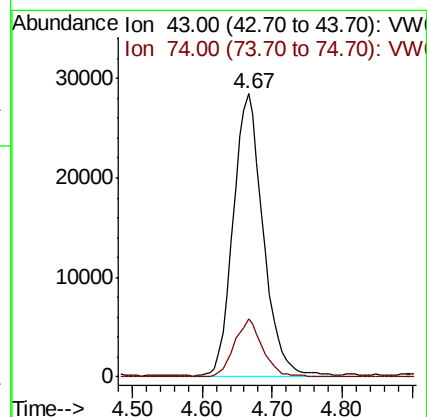
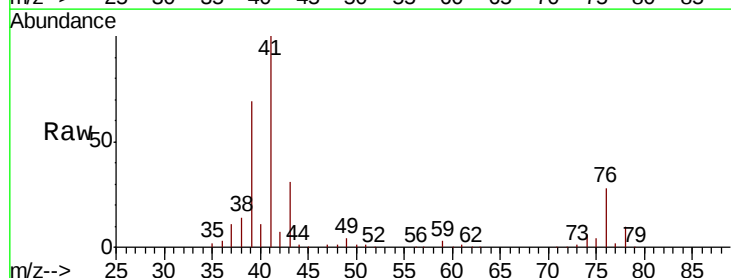
Acq: 16 Aug 2019 08:58

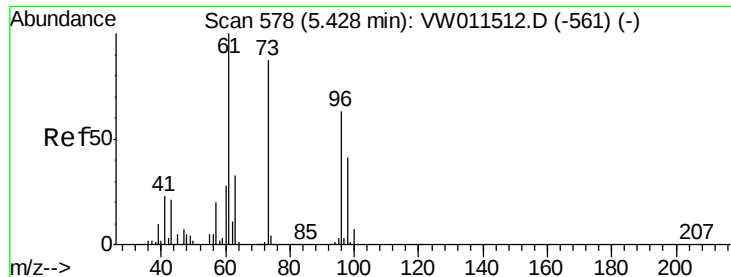
Tgt Ion: 43 Resp: 84065

Ion Ratio Lower Upper

43 100

74 19.5 15.9 23.9

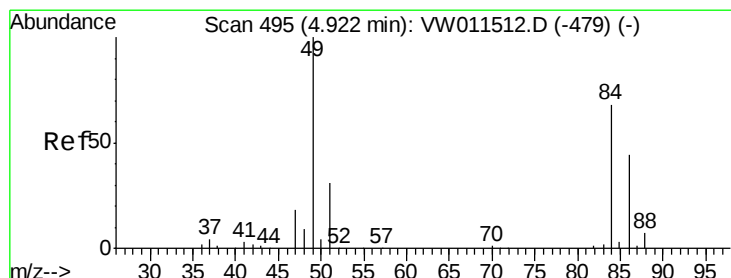
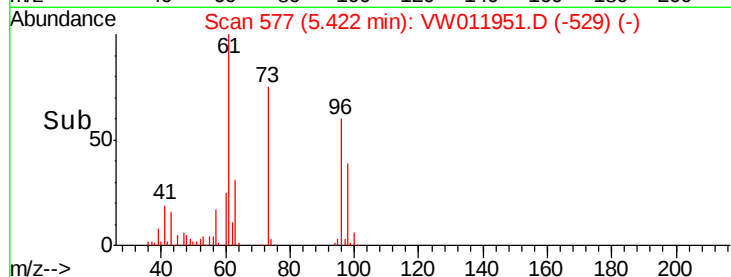
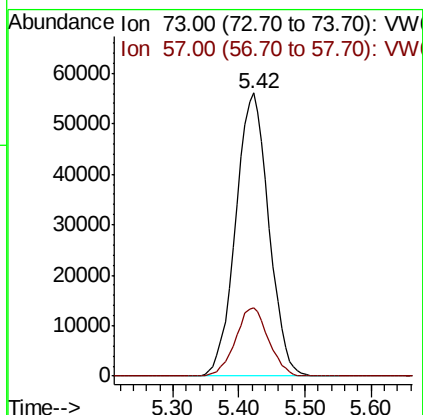
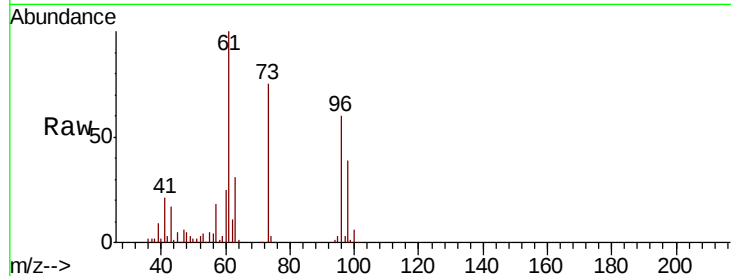




#19
Methyl tert-butyl Ether
Concen: 49.447 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

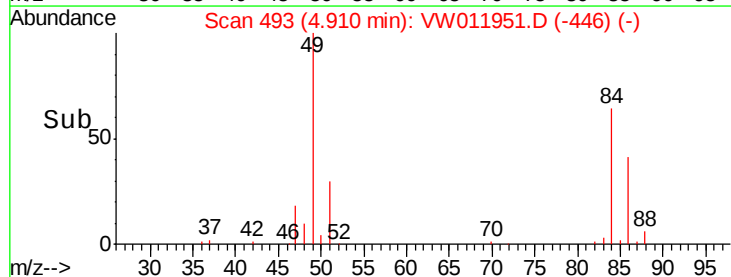
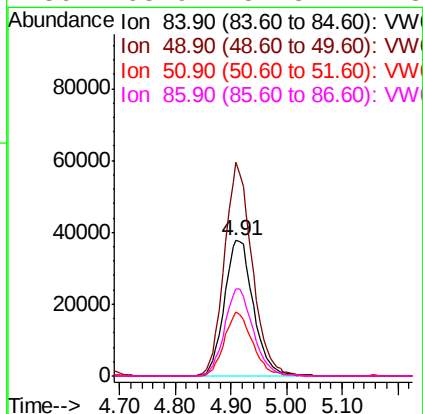
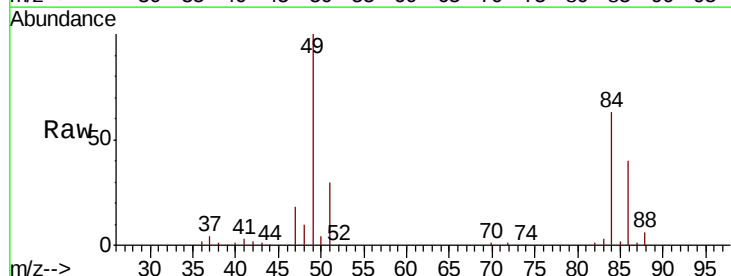
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

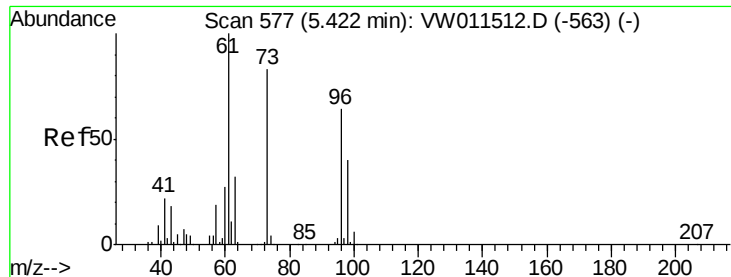
Tgt Ion: 73 Resp: 194753
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6



#20
Methylene Chloride
Concen: 45.356 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion: 84 Resp: 136167
Ion Ratio Lower Upper
84 100
49 157.8 117.8 176.6
51 47.2 37.0 55.4
86 63.9 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 51.562 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

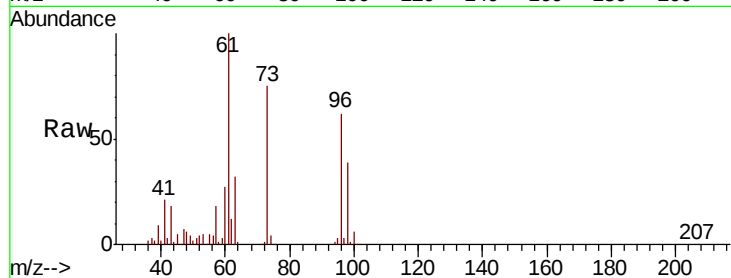
Tgt Ion: 96 Resp: 137975

Ion Ratio Lower Upper

96 100

61 161.4 125.7 188.5

98 62.7 50.3 75.5

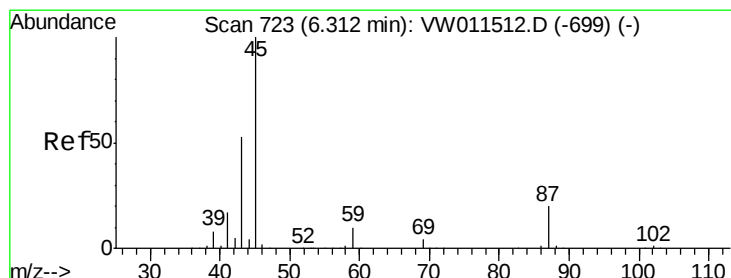
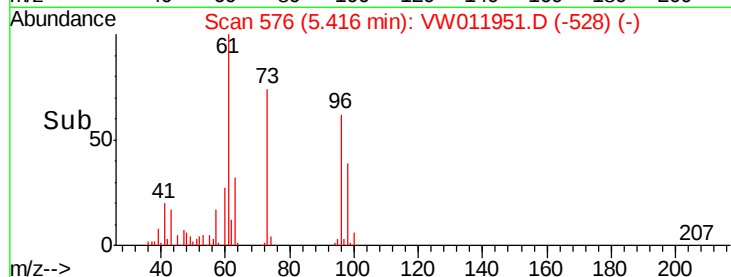
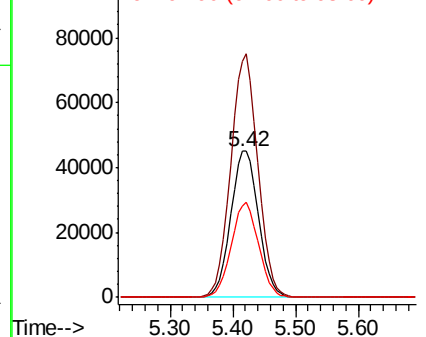


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 50.160 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion: 45 Resp: 499239

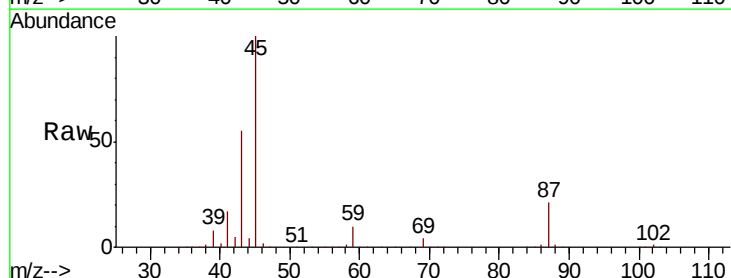
Ion Ratio Lower Upper

45 100

43 54.4 42.6 63.8

87 21.2 16.4 24.6

59 10.3 8.2 12.2



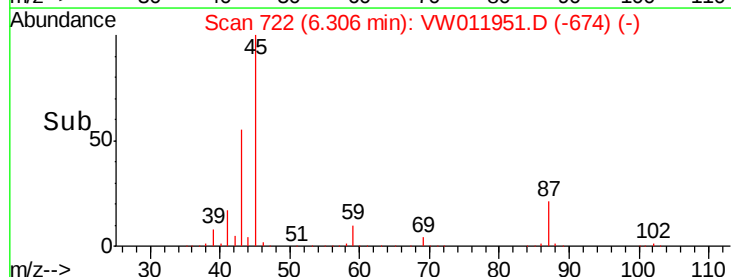
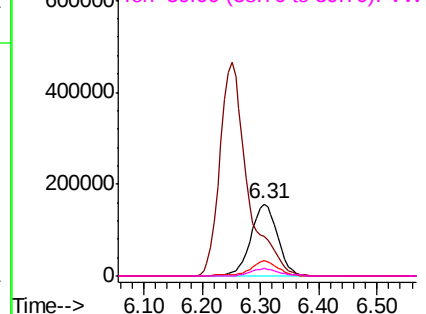
Abundance

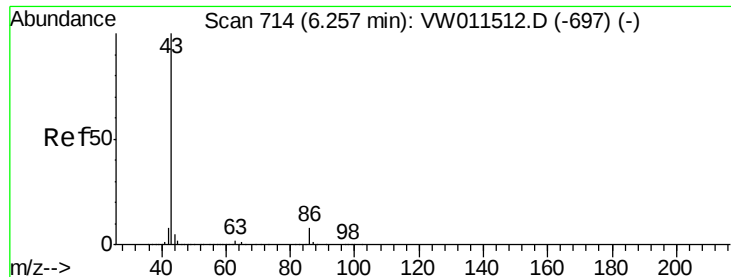
Ion 45.00 (44.70 to 45.70): VW

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: 243.948 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

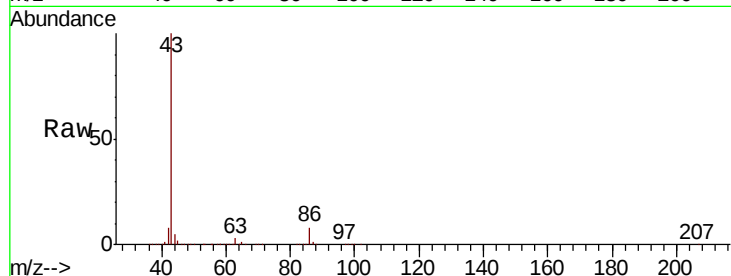
VSTDCCC050

Tgt Ion: 43 Resp: 1525630

Ion Ratio Lower Upper

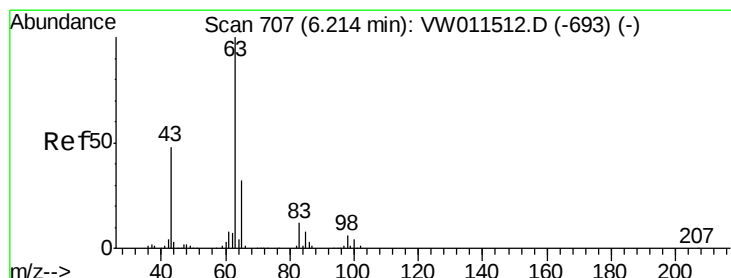
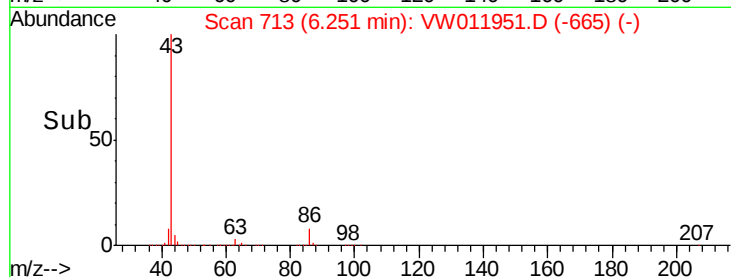
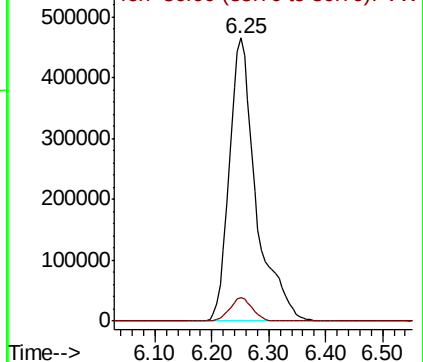
43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 51.452 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

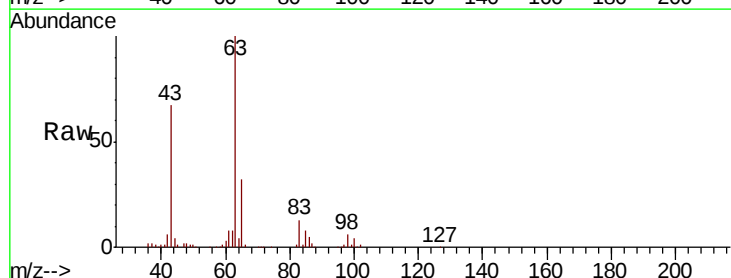
Tgt Ion: 63 Resp: 274260

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

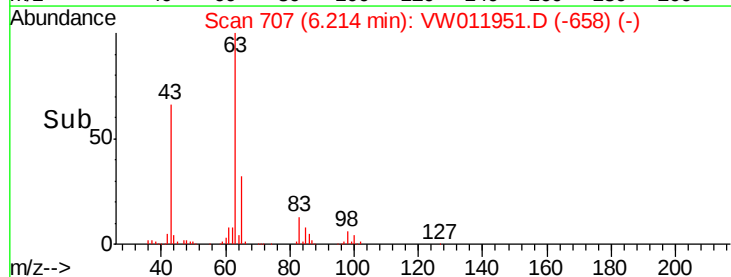
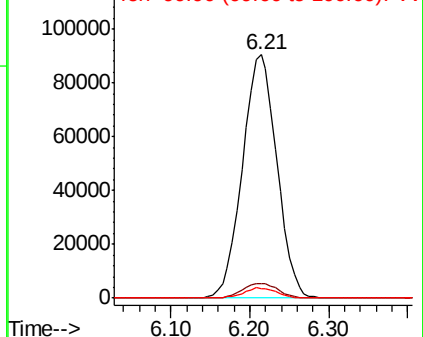
100 3.9 2.1 6.3

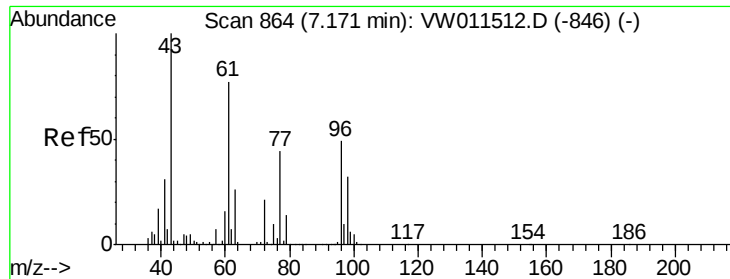


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 224.169 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampled :

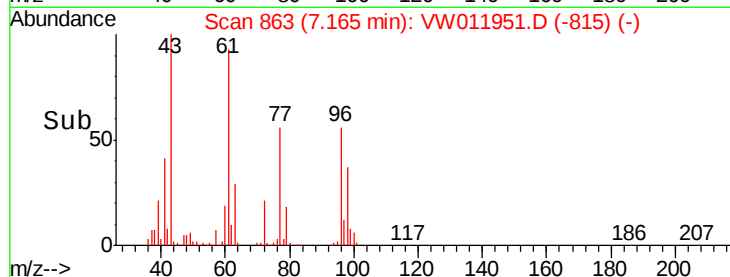
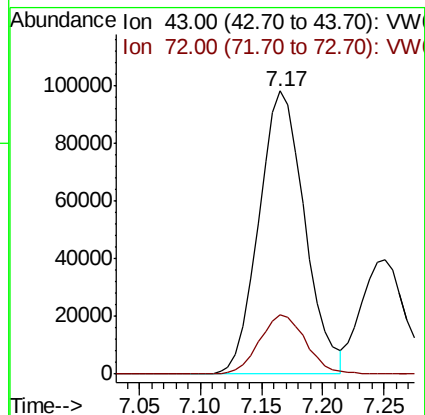
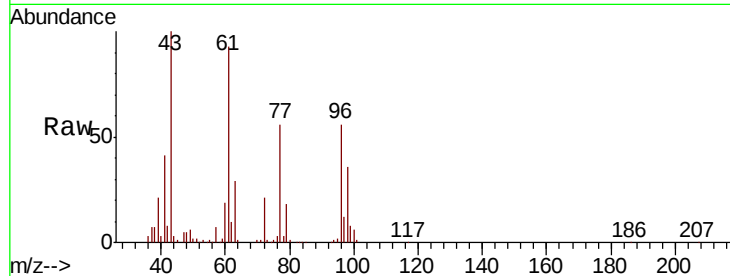
VSTDCCC050

Tgt Ion: 43 Resp: 255346

Ion Ratio Lower Upper

43 100

72 21.1 16.6 24.8



#26

2,2-Dichloropropane

Concen: 48.906 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011951.D

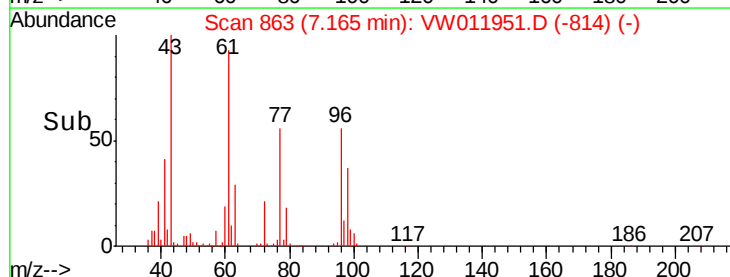
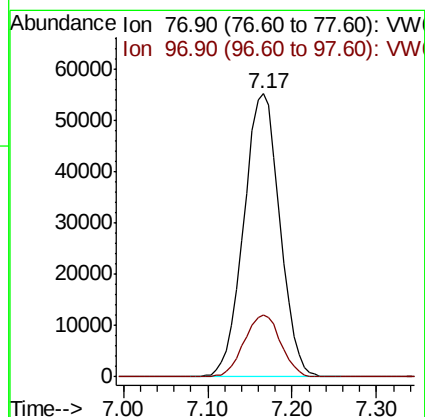
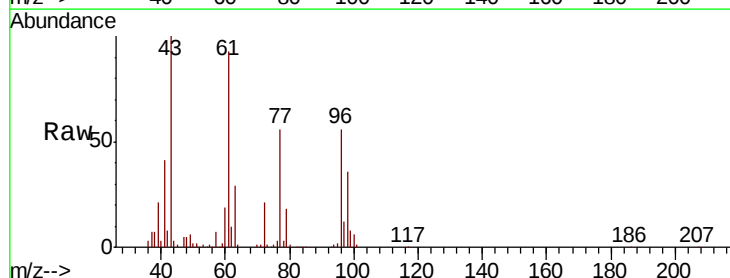
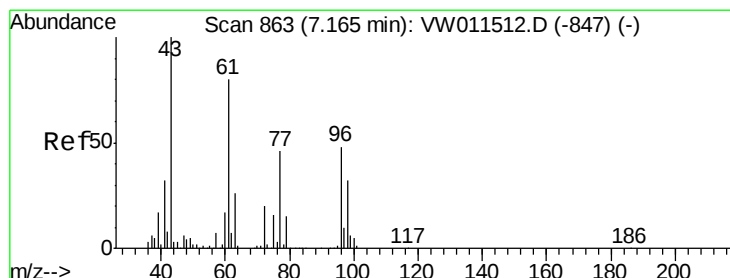
Acq: 16 Aug 2019 08:58

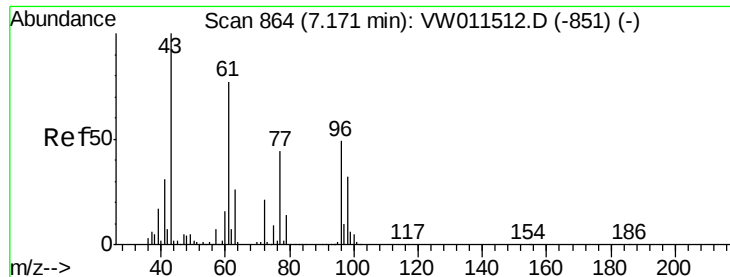
Tgt Ion: 77 Resp: 160322

Ion Ratio Lower Upper

77 100

97 22.2 10.8 32.4



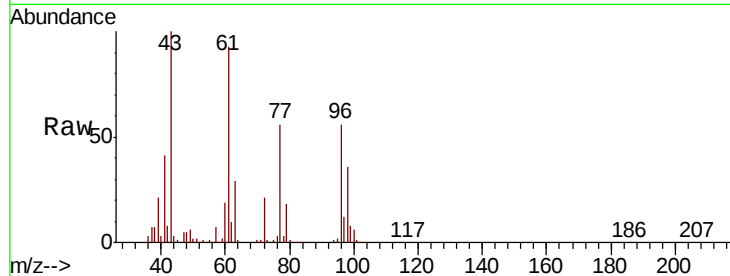


#27

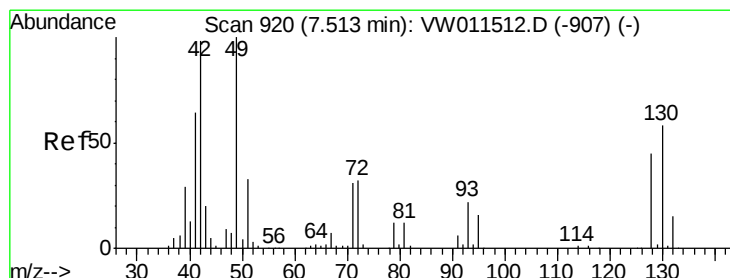
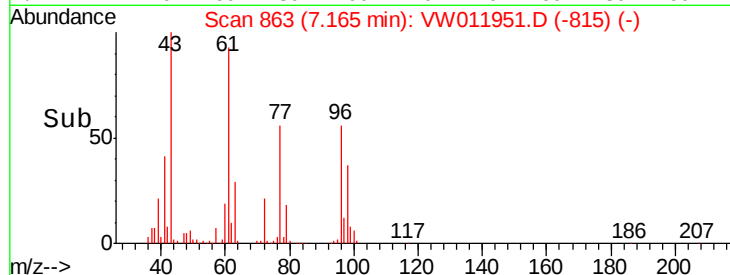
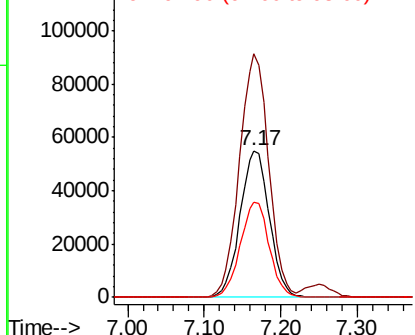
cis-1,2-Dichloroethene
 Concen: 49.638 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 146187
 Ion Ratio Lower Upper
 96 100
 61 165.6 0.0 328.4
 98 64.0 0.0 128.8



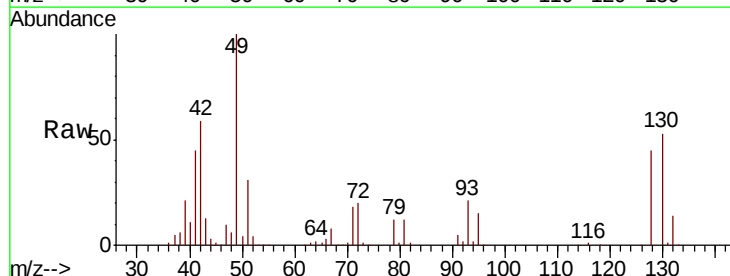
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



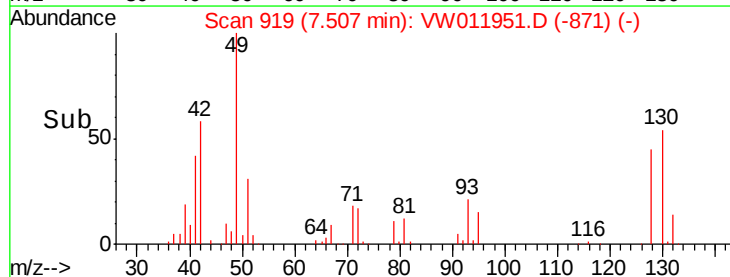
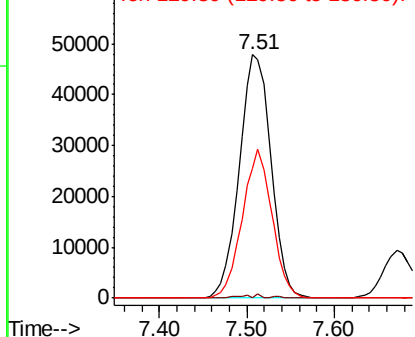
#28

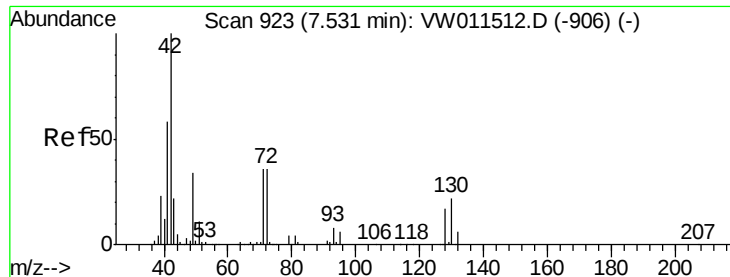
Bromochloromethane
 Concen: 51.113 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion: 49 Resp: 120932
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 1.0
 130 57.1 46.3 69.5



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





#29

Tetrahydrofuran

Concen: 220.853 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

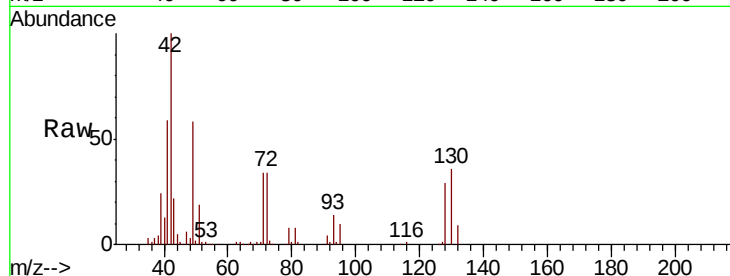
Tgt Ion: 42 Resp: 143799

Ion Ratio Lower Upper

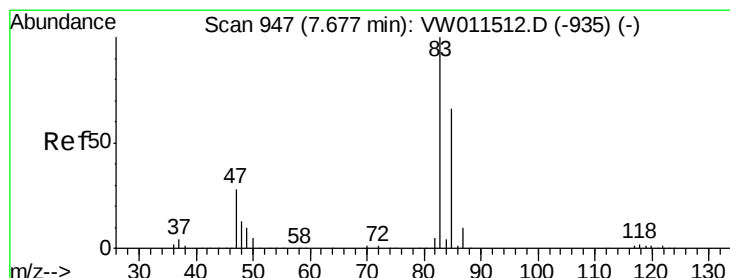
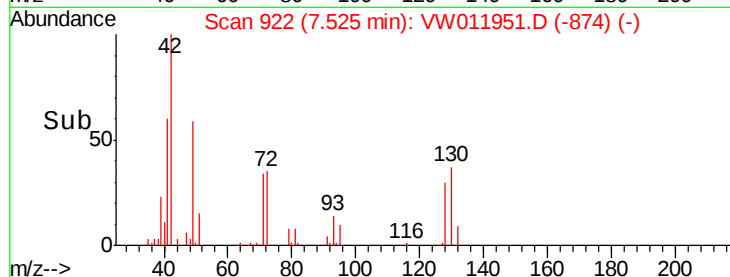
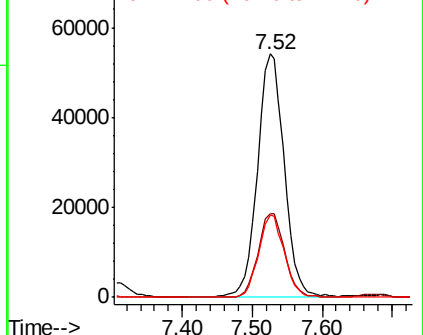
42 100

72 34.5 27.1 40.7

71 32.3 26.2 39.4



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



#30

Chloroform

Concen: 50.398 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW011951.D

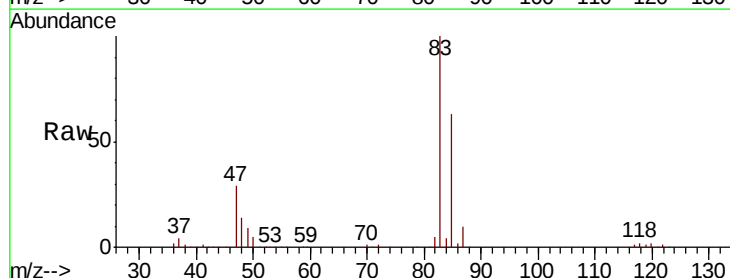
Acq: 16 Aug 2019 08:58

Tgt Ion: 83 Resp: 247842

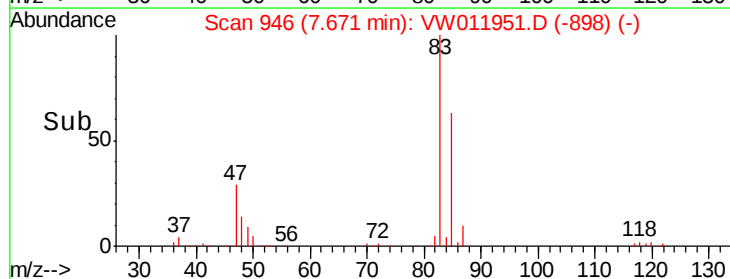
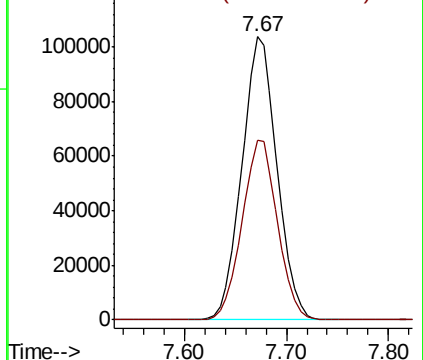
Ion Ratio Lower Upper

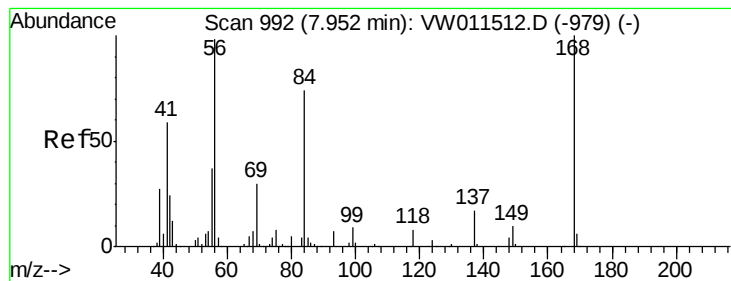
83 100

85 63.5 52.5 78.7



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





#31

Cyclohexane

Concen: 49.404 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

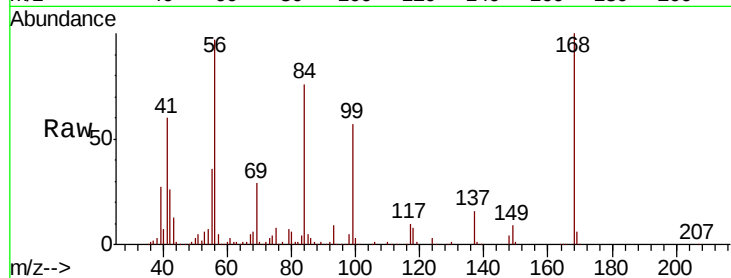
Tgt Ion: 56 Resp: 252785

Ion Ratio Lower Upper

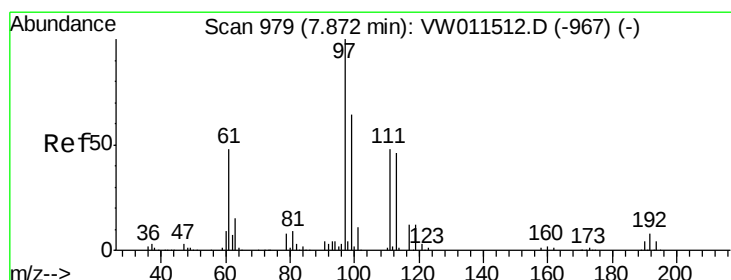
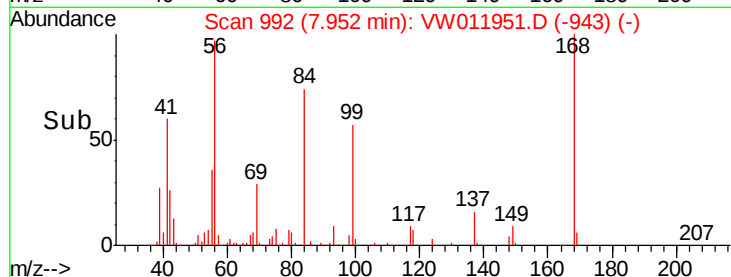
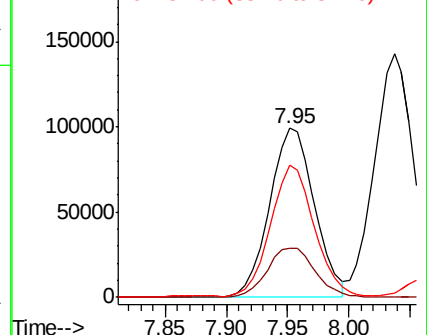
56 100

69 29.4 24.3 36.5

84 76.8 60.4 90.6



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: 52.975 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

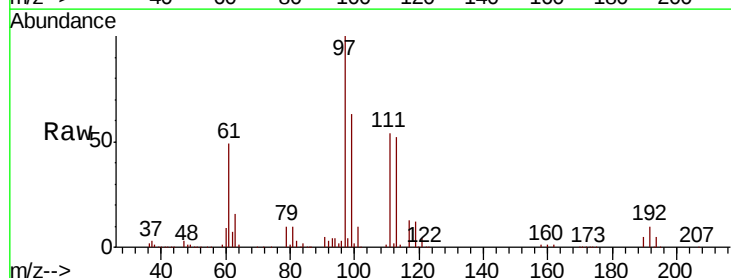
Tgt Ion: 97 Resp: 198399

Ion Ratio Lower Upper

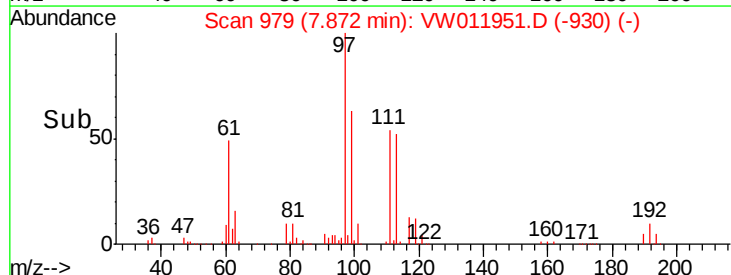
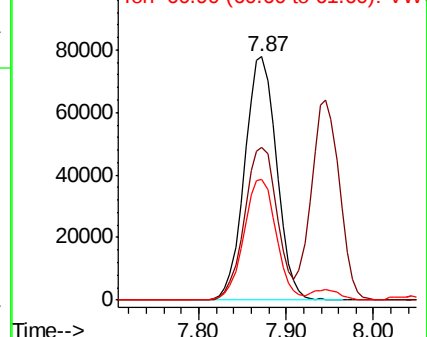
97 100

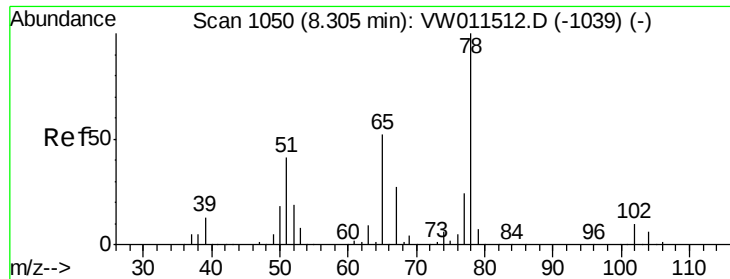
99 64.1 51.0 76.6

61 49.9 39.8 59.6



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

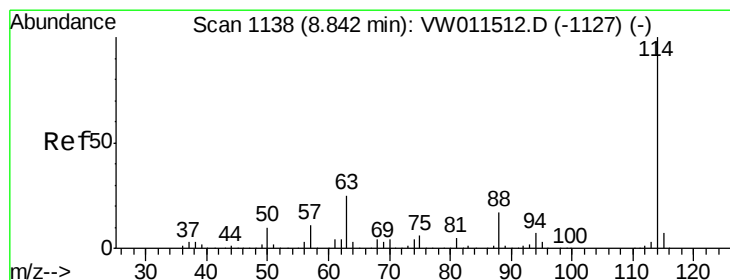
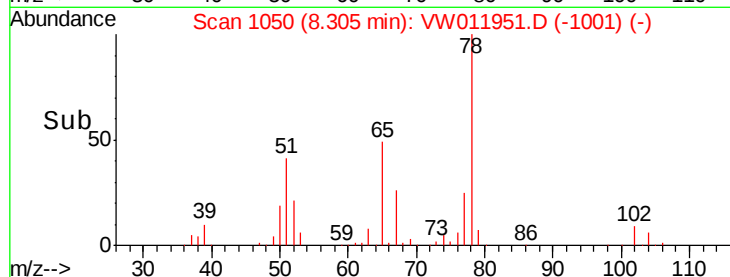
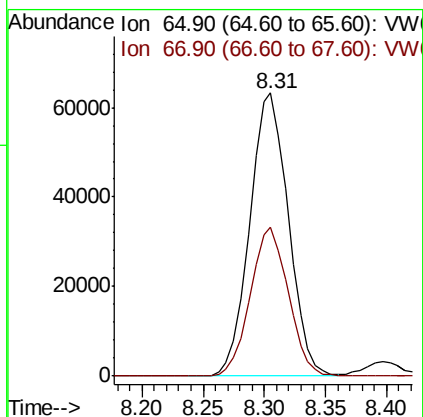
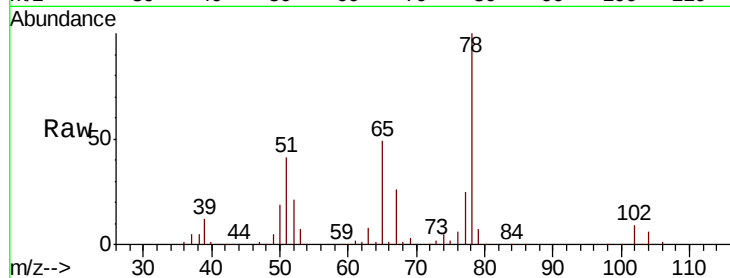




#33
 1,2-Dichloroethane-d4
 Concen: 50.739 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

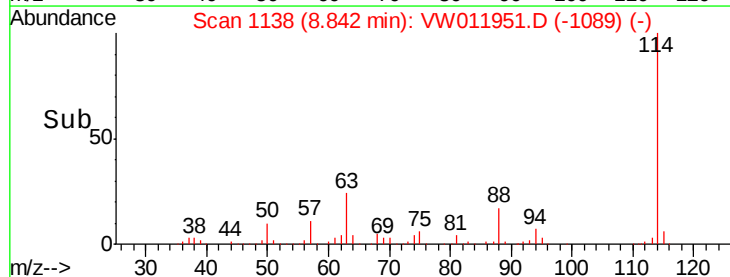
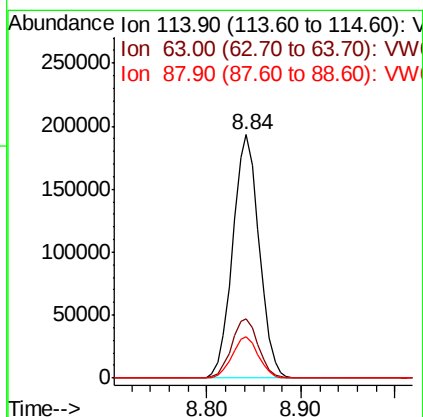
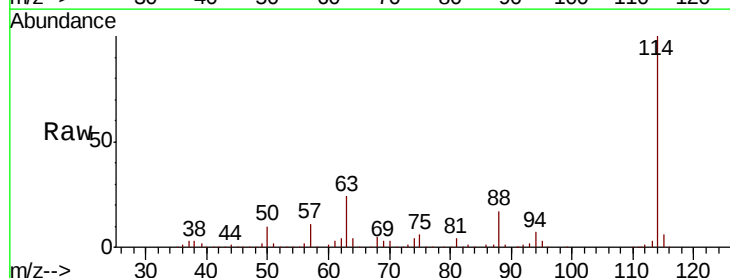
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

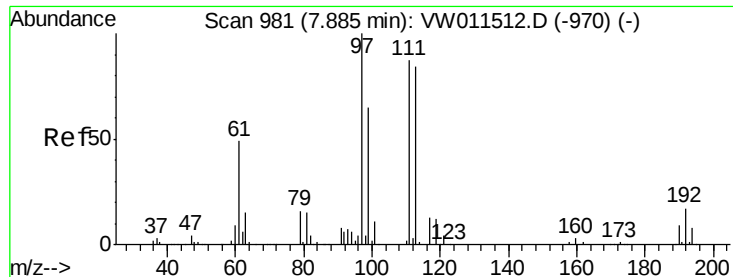
Tgt Ion: 65 Resp: 138852
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion: 114 Resp: 375078
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.693 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

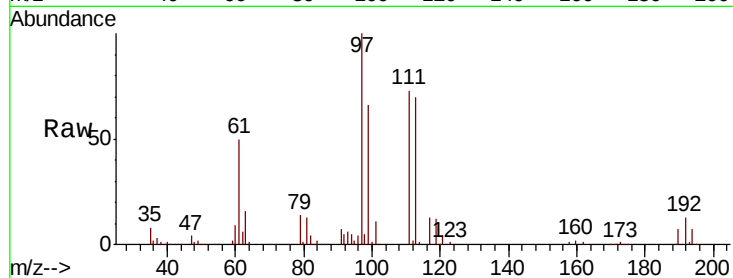
Tgt Ion:113 Resp: 117192

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

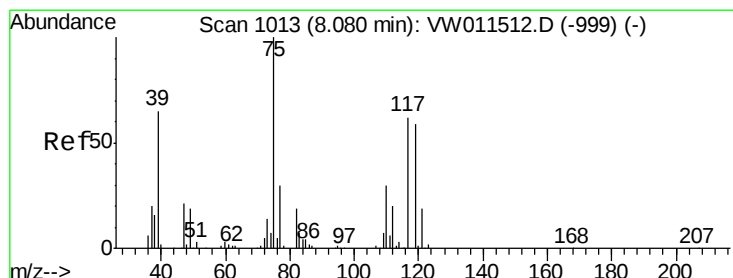
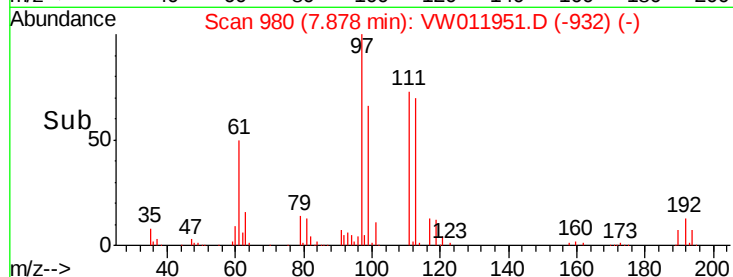
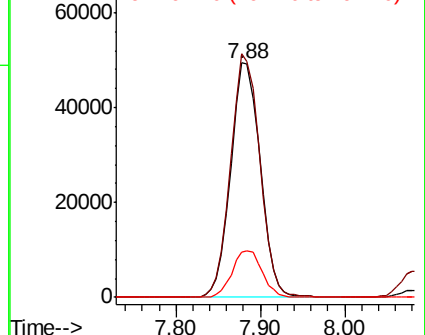
192 20.0 16.1 24.1



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: 53.787 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

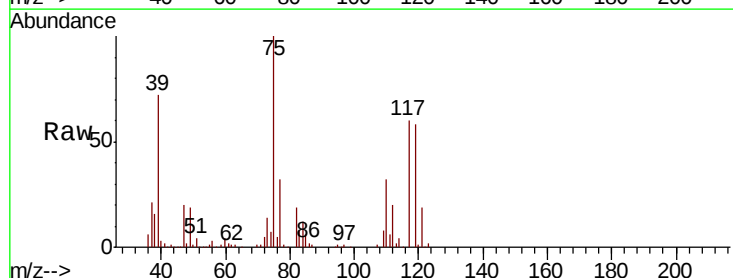
Tgt Ion: 75 Resp: 209775

Ion Ratio Lower Upper

75 100

110 31.8 15.6 46.8

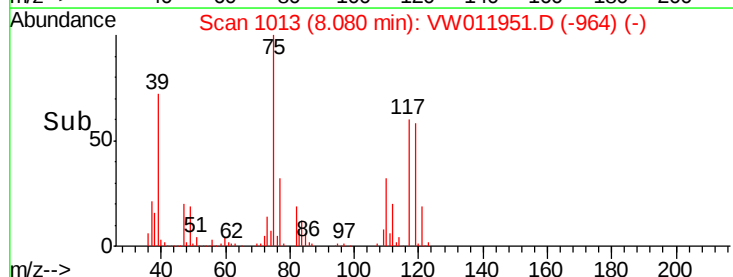
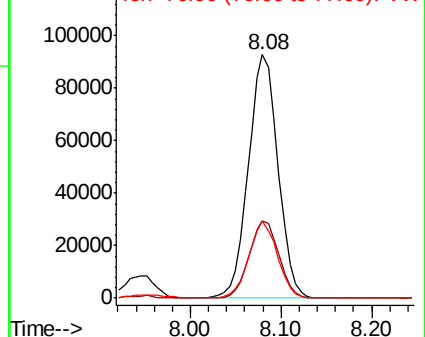
77 30.7 24.3 36.5

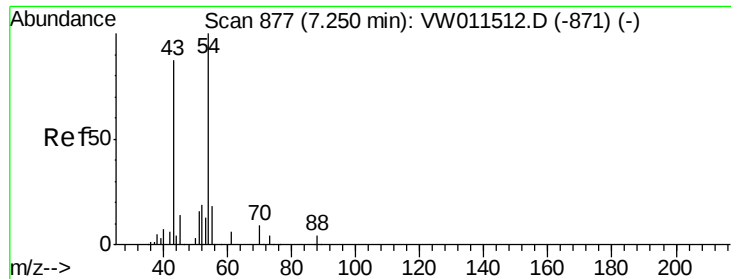


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

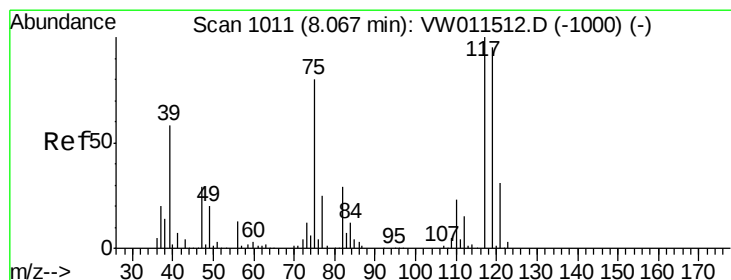
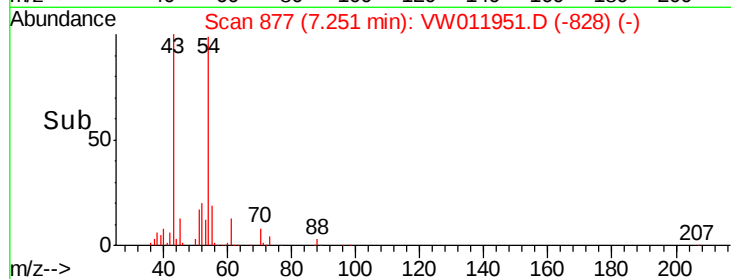
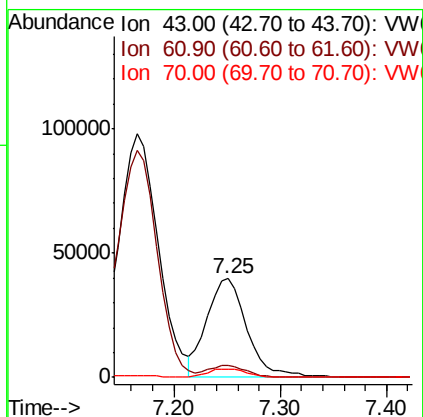
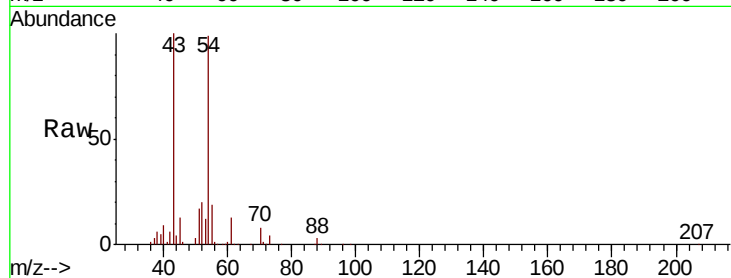




#37
Ethyl Acetate
Concen: 45.677 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

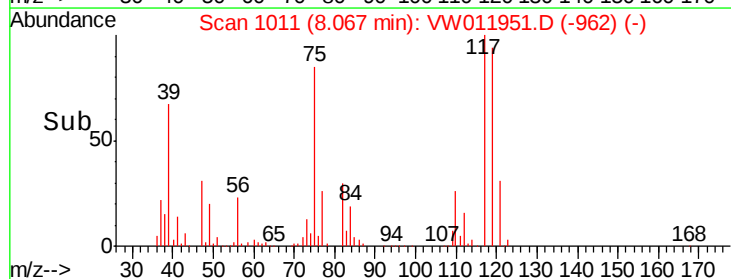
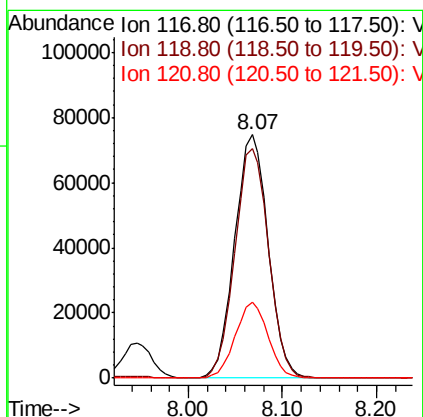
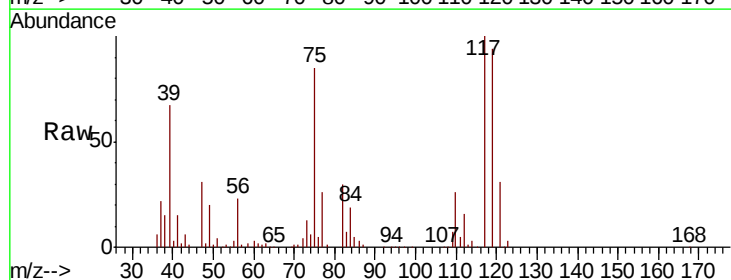
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

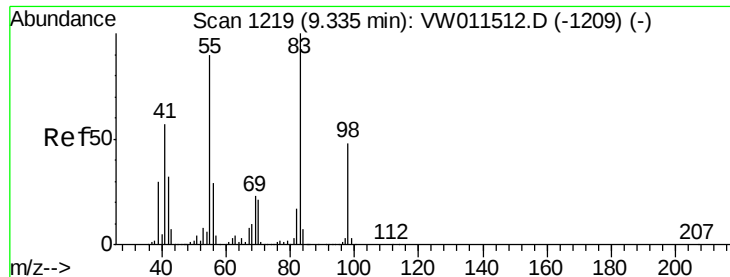
Tgt Ion: 43 Resp: 102492
Ion Ratio Lower Upper
43 100
61 11.5 8.8 13.2
70 8.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 55.291 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion: 117 Resp: 184604
Ion Ratio Lower Upper
117 100
119 94.5 75.8 113.6
121 31.4 24.7 37.1

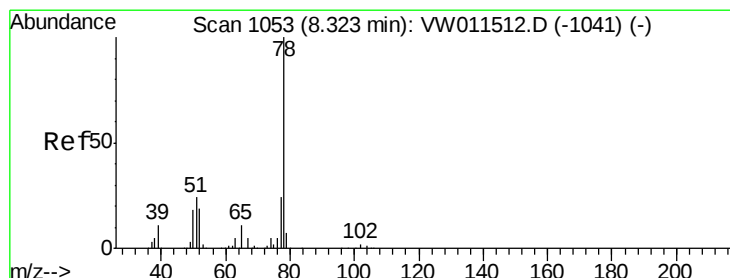
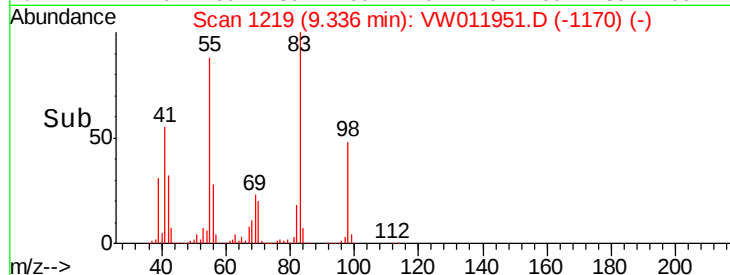
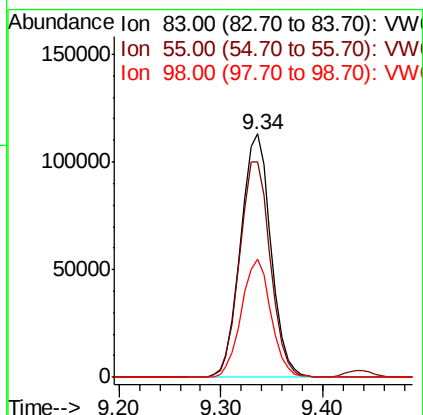
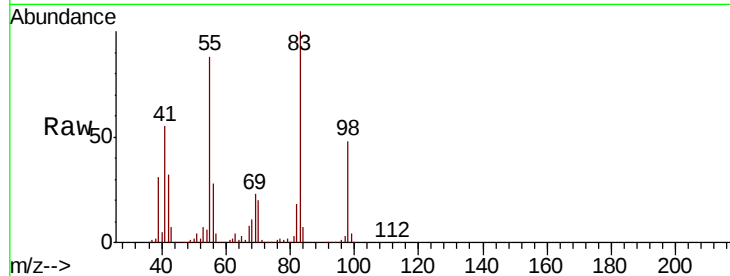




#39
Methylcyclohexane
Concen: 54.302 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

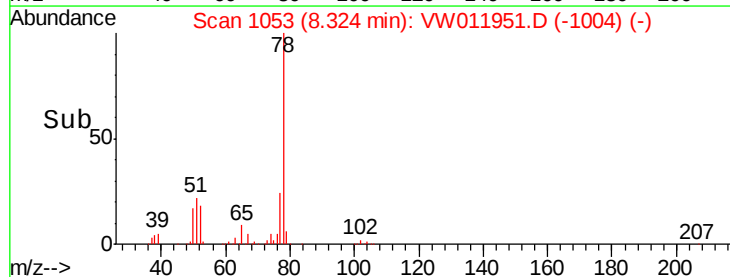
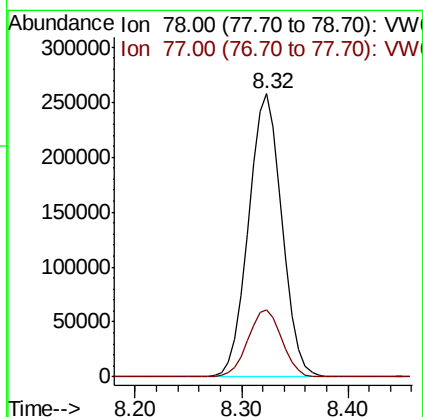
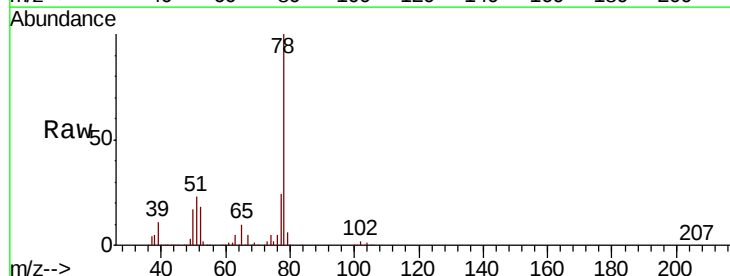
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

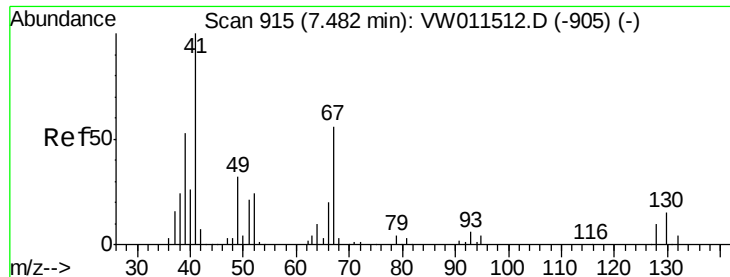
Tgt Ion: 83 Resp: 233202
Ion Ratio Lower Upper
83 100
55 88.4 72.1 108.1
98 48.4 38.6 57.8



#40
Benzene
Concen: 51.910 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion: 78 Resp: 567086
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0





#41

Methacrylonitrile

Concen: 49.354 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 66199

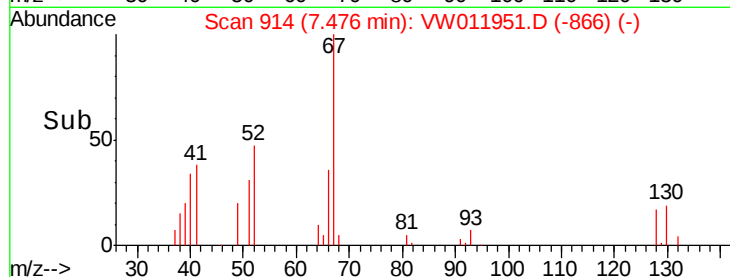
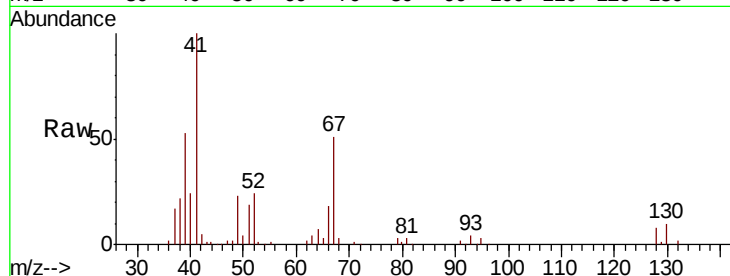
Ion Ratio Lower Upper

41 100

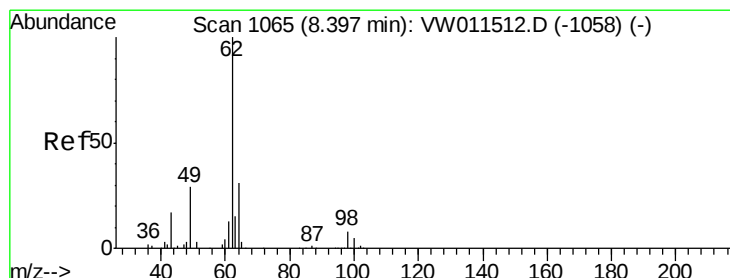
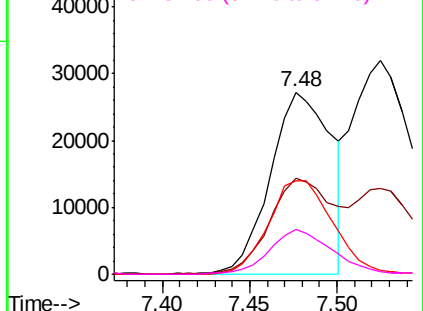
39 58.1 43.0 64.4

67 54.7 47.5 71.3

52 25.6 21.0 31.6



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



#42

1,2-Dichloroethane

Concen: 49.844 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011951.D

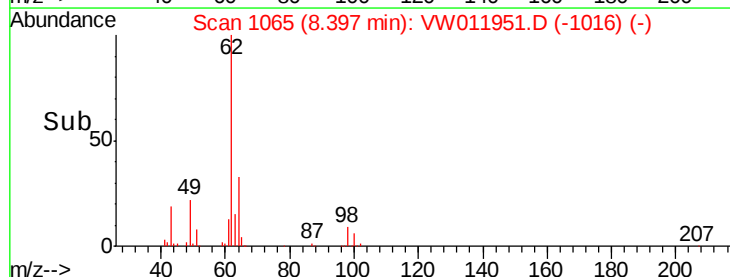
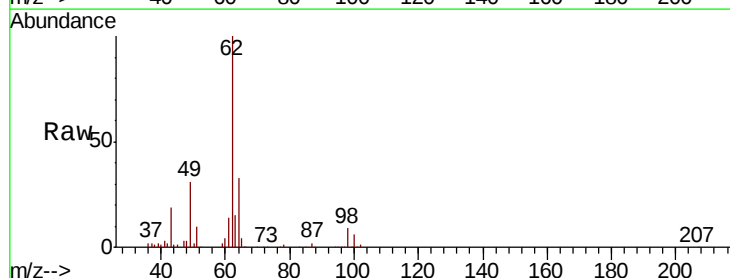
Acq: 16 Aug 2019 08:58

Tgt Ion: 62 Resp: 170483

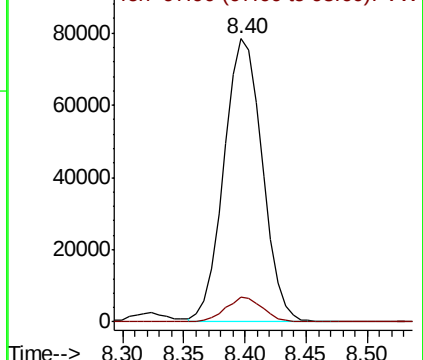
Ion Ratio Lower Upper

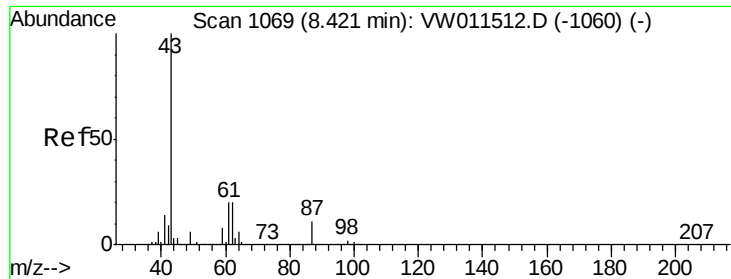
62 100

98 8.4 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: 47.394 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

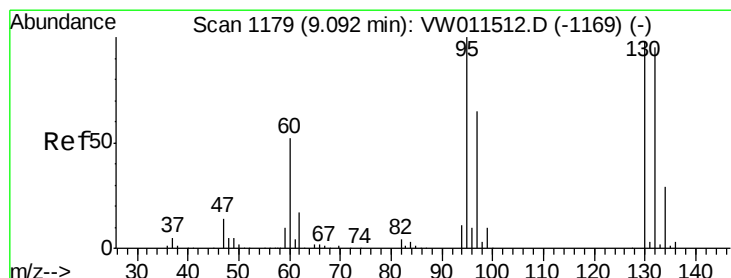
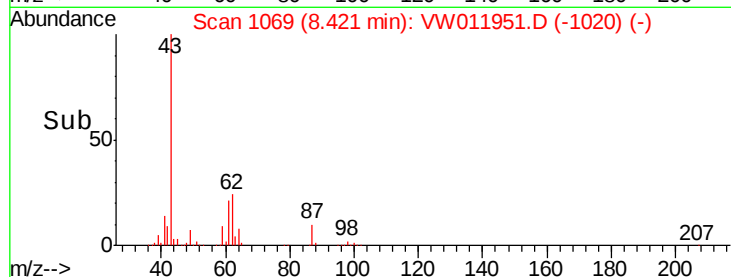
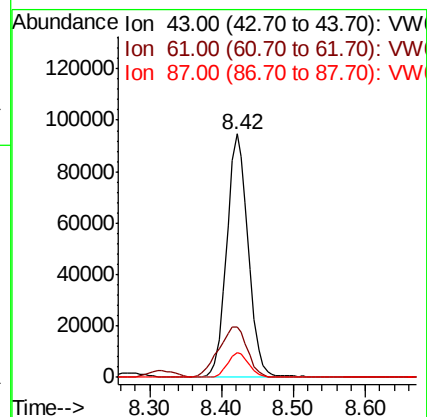
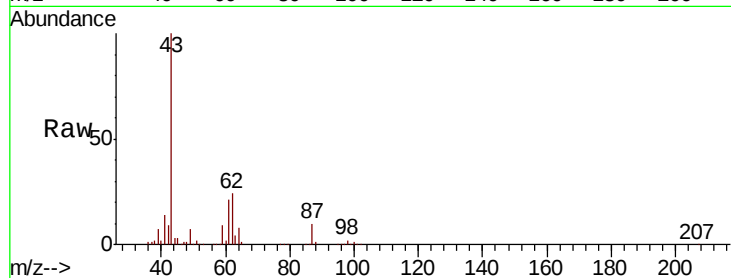
Tgt Ion: 43 Resp: 195578

Ion Ratio Lower Upper

43 100

61 27.7 21.5 32.3

87 10.2 8.4 12.6



#44

Trichloroethene

Concen: 53.202 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011951.D

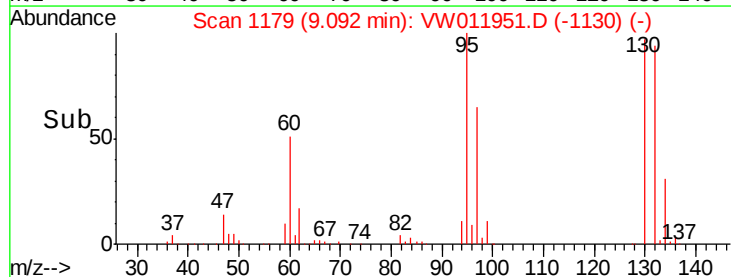
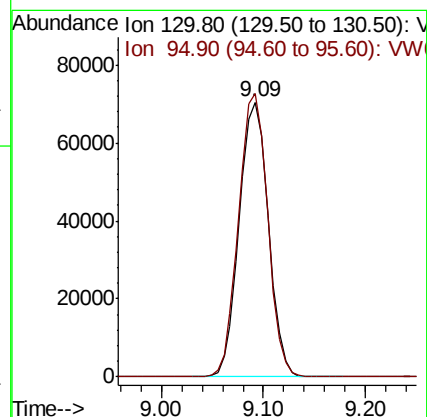
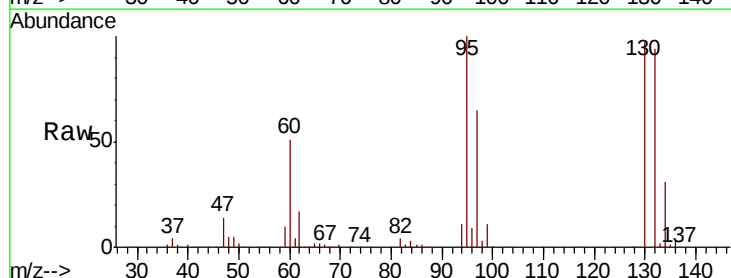
Acq: 16 Aug 2019 08:58

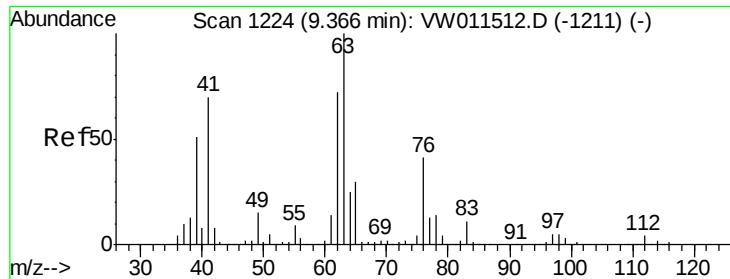
Tgt Ion: 130 Resp: 139691

Ion Ratio Lower Upper

130 100

95 103.1 0.0 204.8

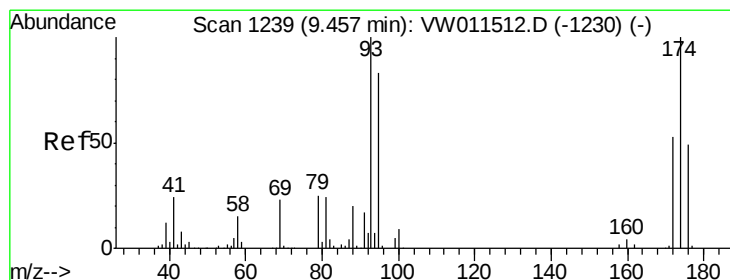
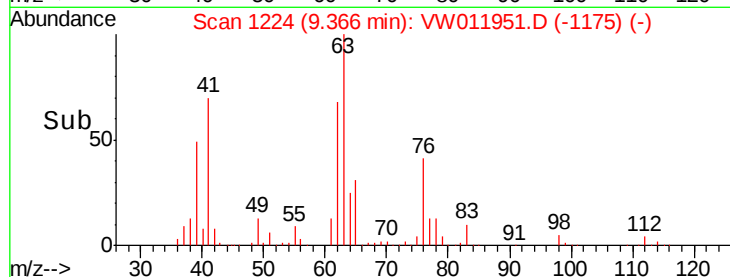
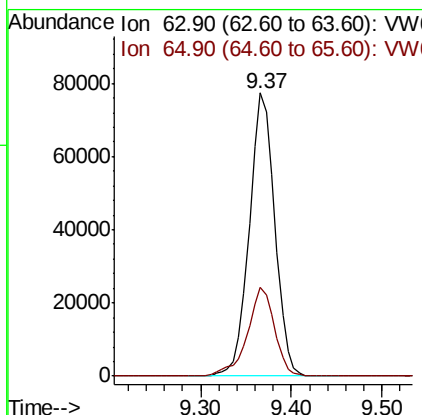
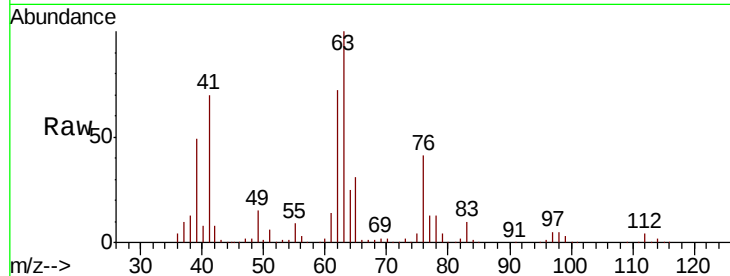




#45
 1,2-Dichloropropane
 Concen: 51.543 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

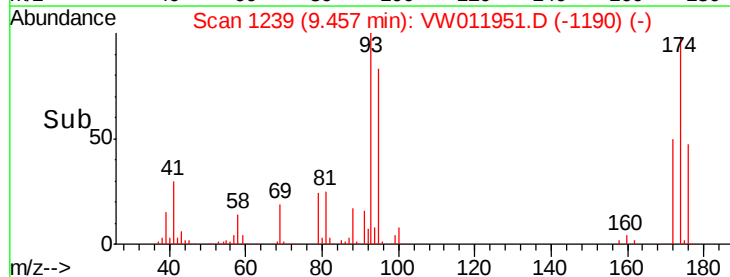
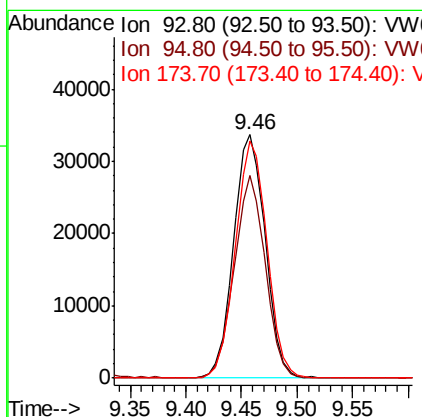
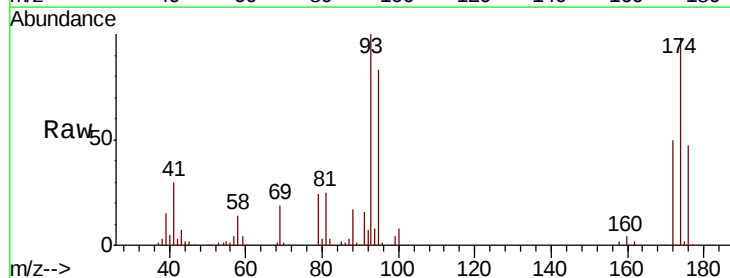
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

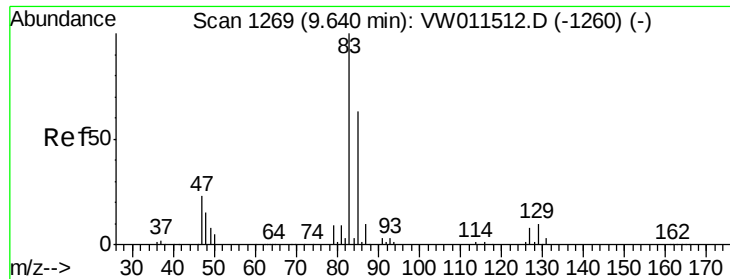
Tgt Ion: 63 Resp: 150662
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.2 36.4



#46
 Dibromomethane
 Concen: 49.674 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion: 93 Resp: 66271
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.2 99.2
 174 97.5 78.2 117.4





#47

Bromodichloromethane

Concen: 51.509 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

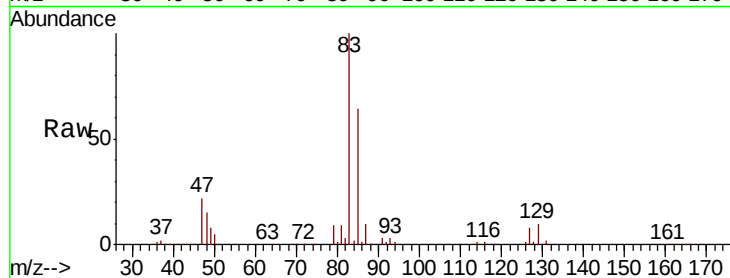
Tgt Ion: 83 Resp: 180261

Ion Ratio Lower Upper

83 100

85 63.7 50.5 75.7

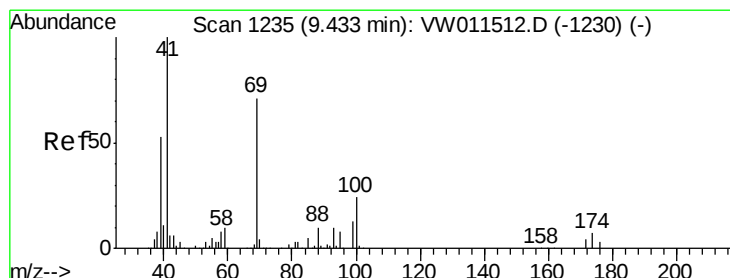
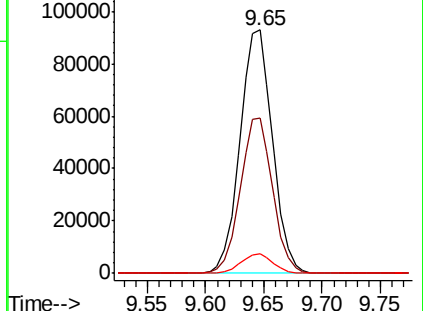
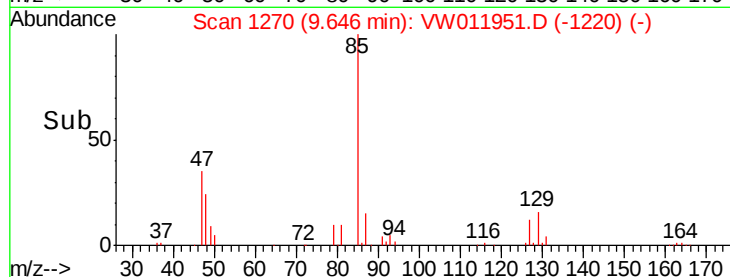
127 7.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 48.704 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

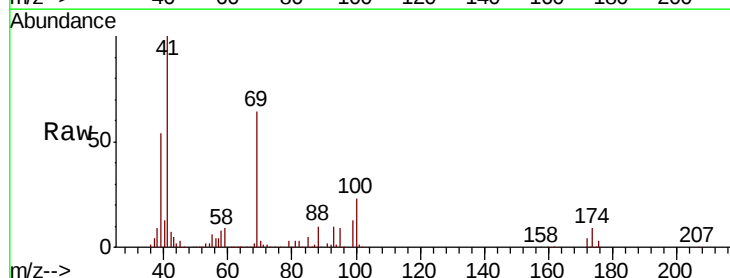
Tgt Ion: 41 Resp: 96545

Ion Ratio Lower Upper

41 100

69 69.0 57.1 85.7

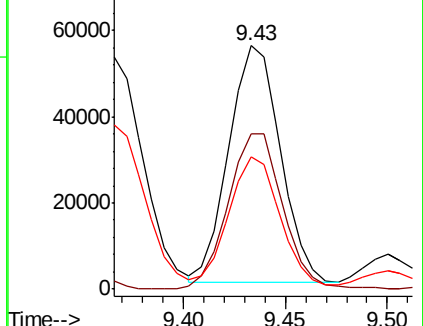
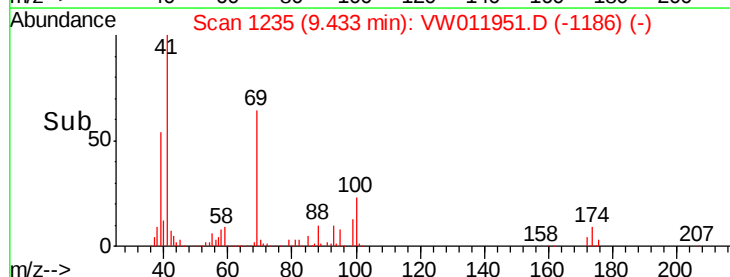
39 53.2 45.4 68.2

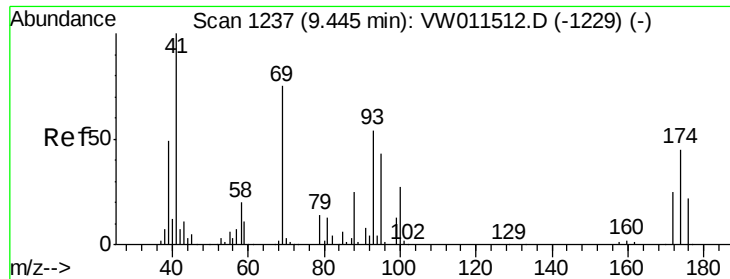


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

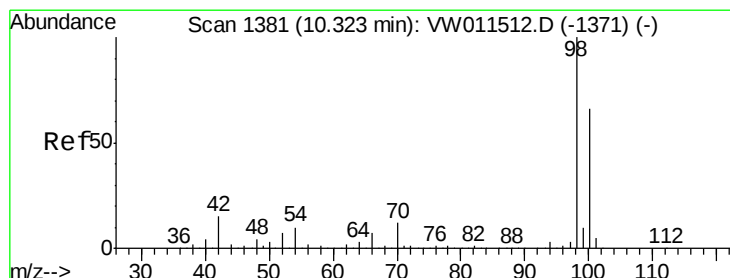
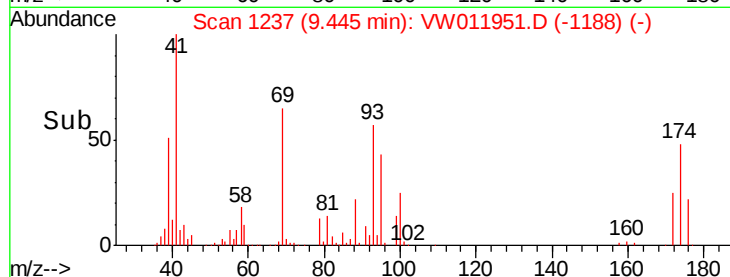
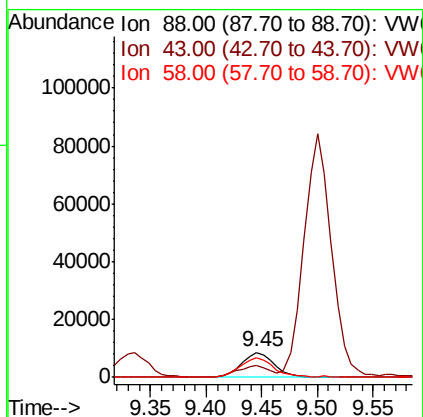
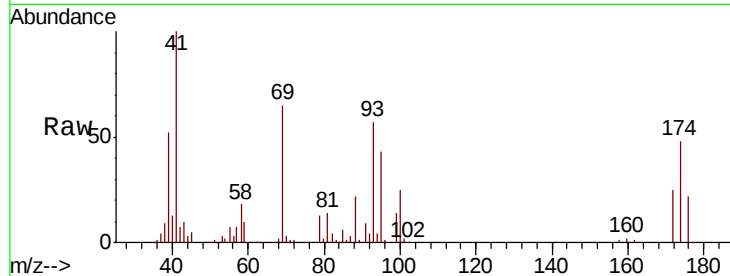




#49
 1,4-Dioxane
 Concen: 917.211 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

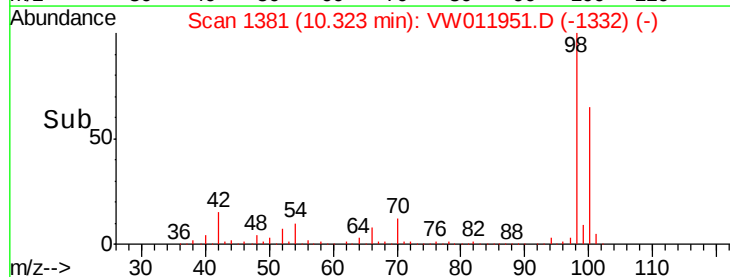
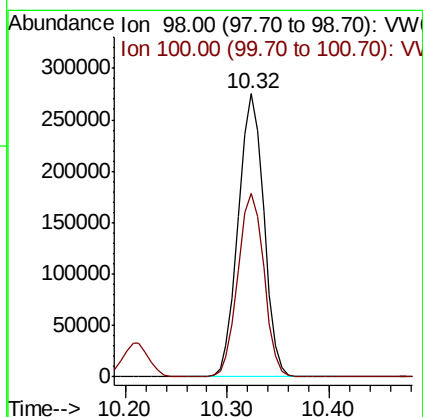
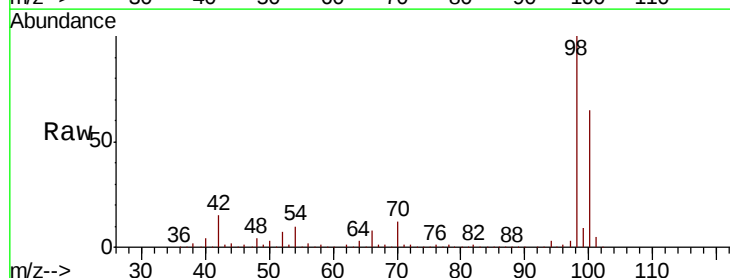
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 17718
 Ion Ratio Lower Upper
 88 100
 43 43.8 34.0 51.0
 58 83.9 69.7 104.5



#50
 Toluene-d8
 Concen: 55.550 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion: 98 Resp: 478586
 Ion Ratio Lower Upper
 98 100
 100 65.9 52.7 79.1

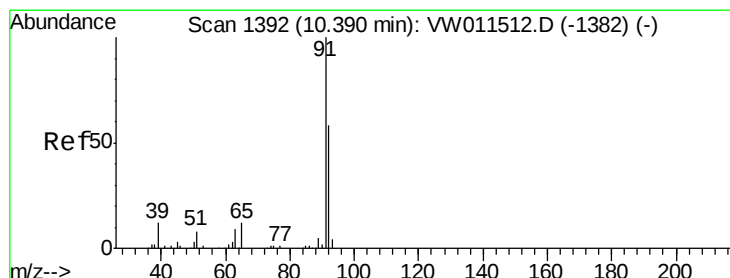
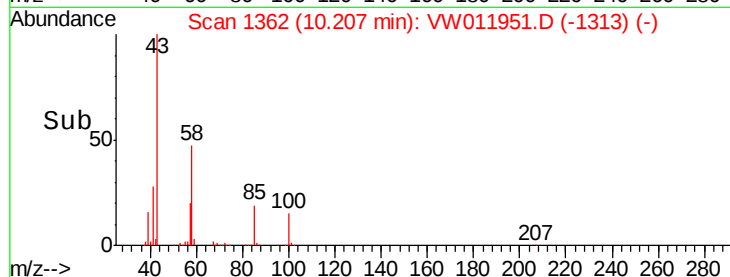
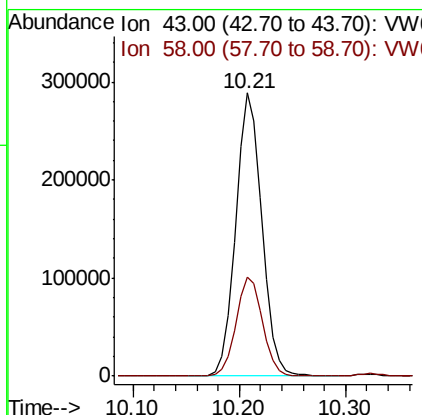
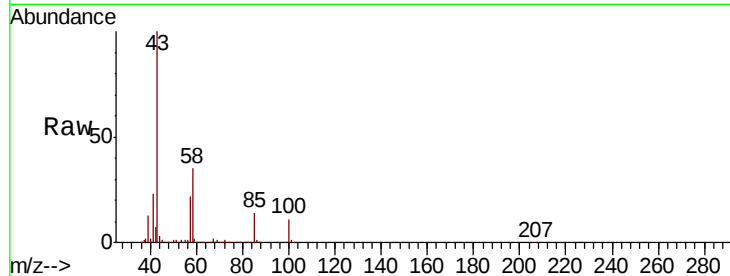




#51
4-Methyl-2-Pentanone
Concen: 230.743 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

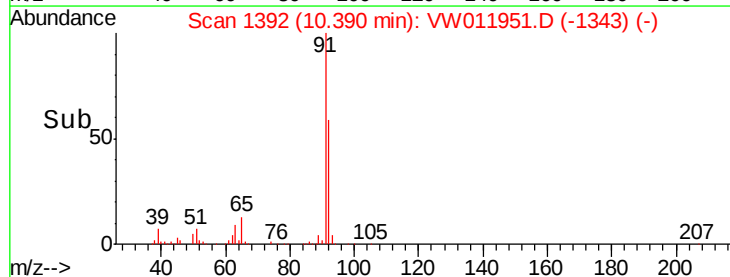
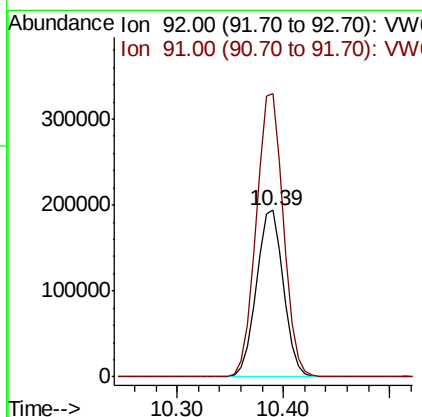
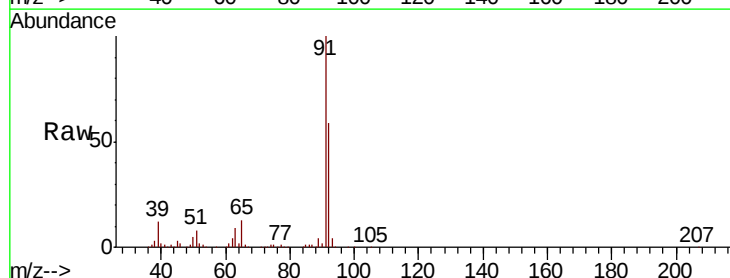
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

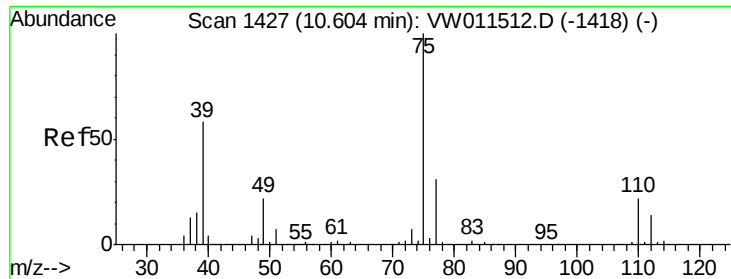
Tgt Ion: 43 Resp: 495279
Ion Ratio Lower Upper
43 100
58 35.4 28.2 42.2



#52
Toluene
Concen: 52.398 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion: 92 Resp: 345681
Ion Ratio Lower Upper
92 100
91 170.9 136.7 205.1

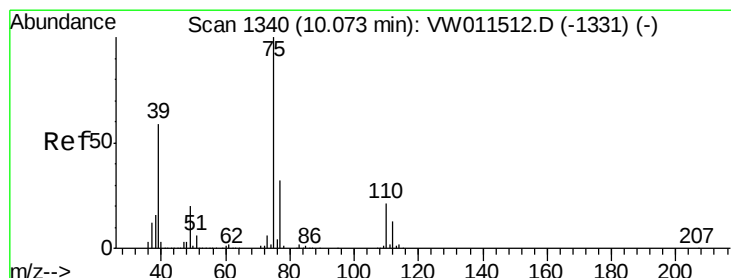
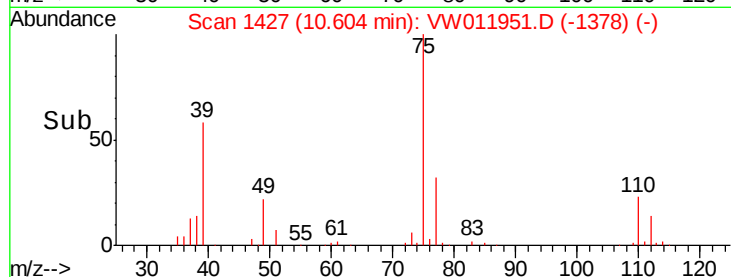
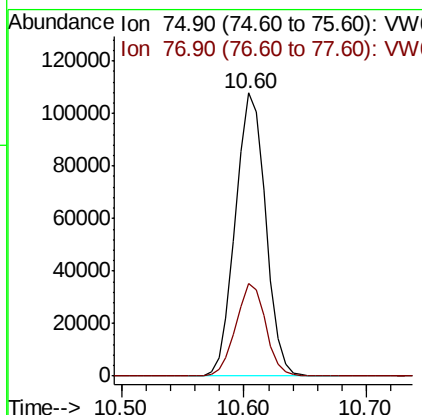
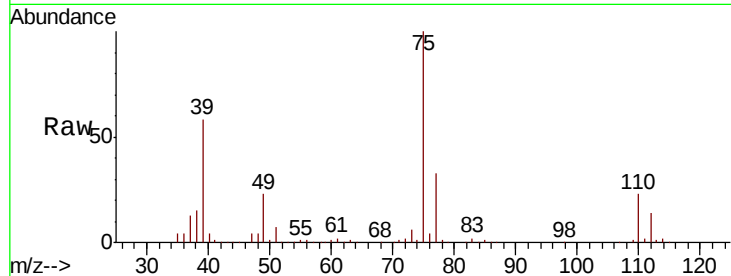




#53
t-1,3-Dichloropropene
Concen: 50.529 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

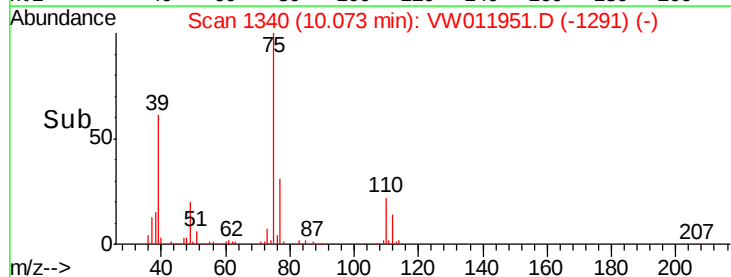
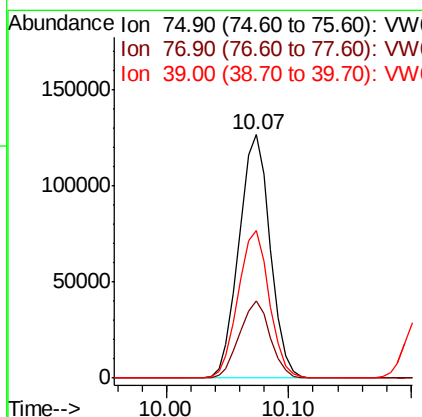
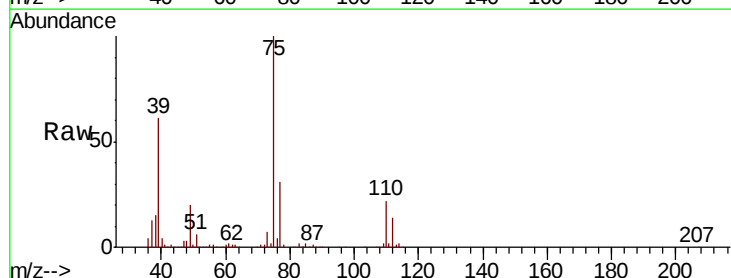
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

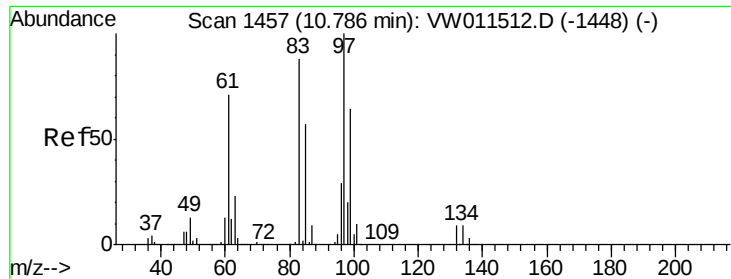
Tgt Ion: 75 Resp: 184719
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 51.676 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion: 75 Resp: 224615
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4
39 60.7 47.0 70.4

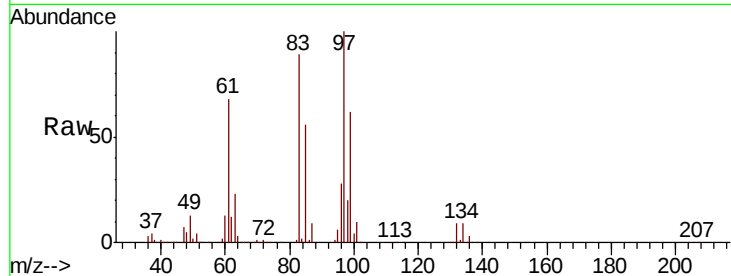




#55
 1,1,2-Trichloroethane
 Concen: 48.782 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	92341
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.5	105.7
85	56.1	45.8	68.6
99	61.8	51.0	76.4



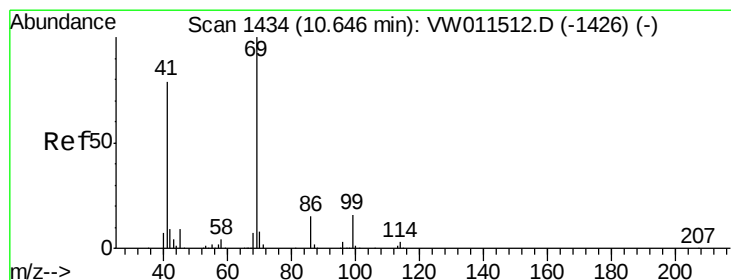
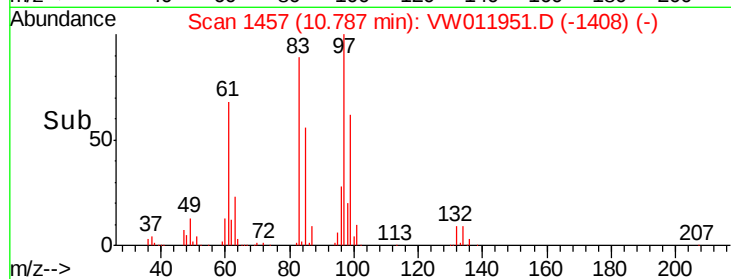
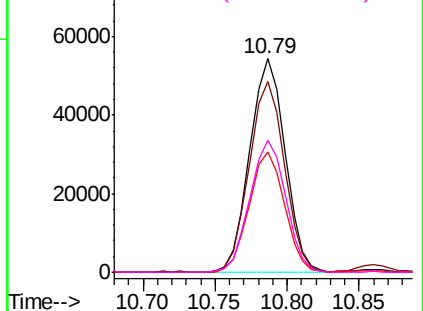
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

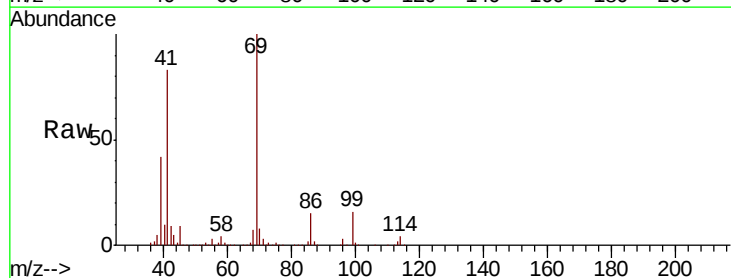
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 48.646 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion:	69	Resp:	134747
Ion	Ratio	Lower	Upper
69	100		
41	84.2	66.6	99.8
39	39.0	30.3	45.5

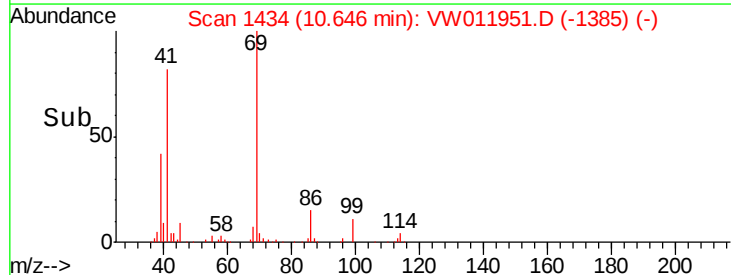
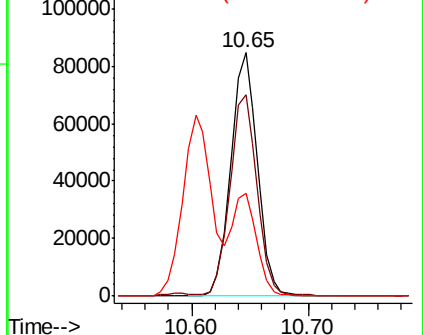


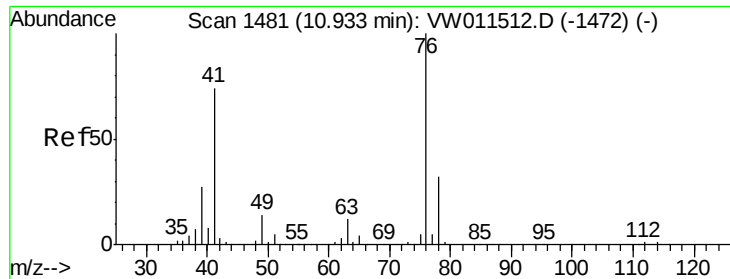
Abundance

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

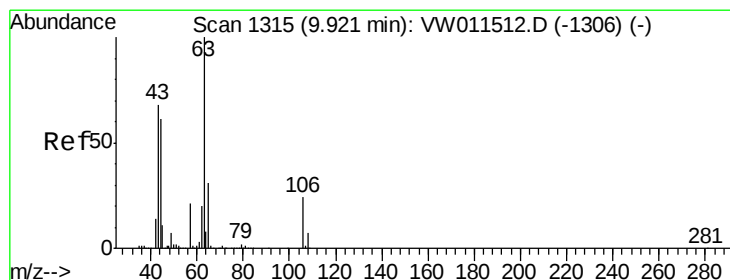
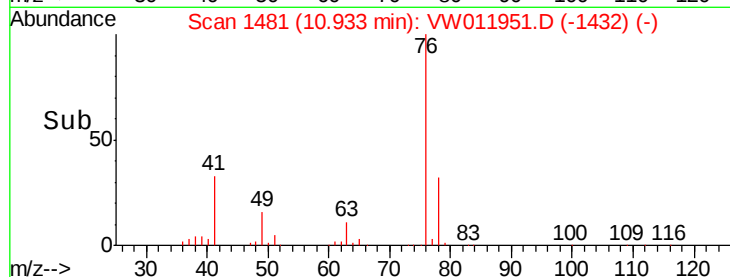
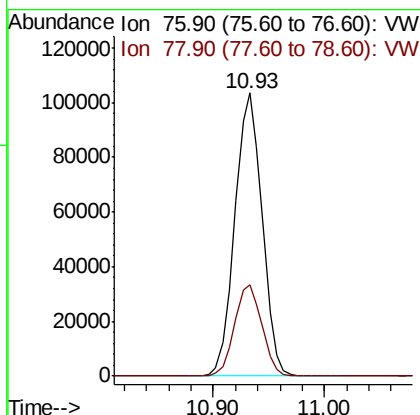
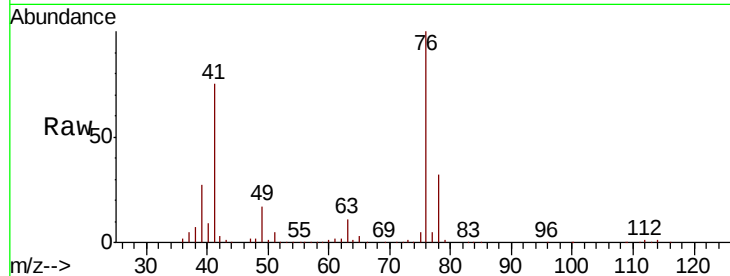




#57
 1,3-Dichloropropane
 Concen: 48.917 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

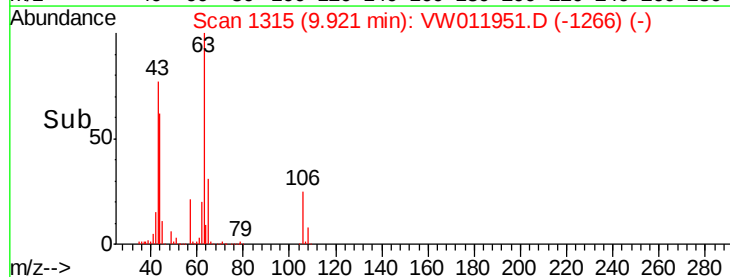
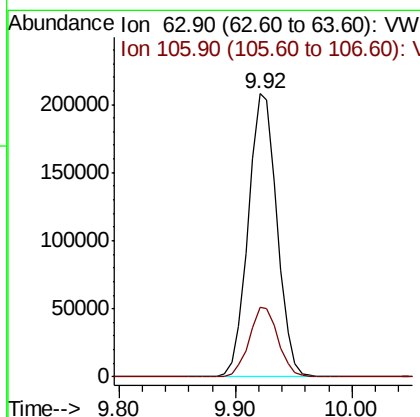
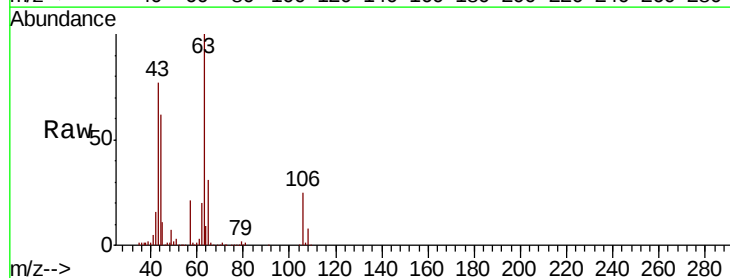
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

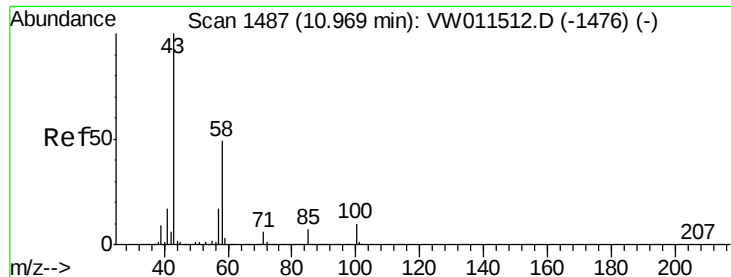
Tgt Ion: 76 Resp: 175182
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 285.431 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion: 63 Resp: 358978
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5

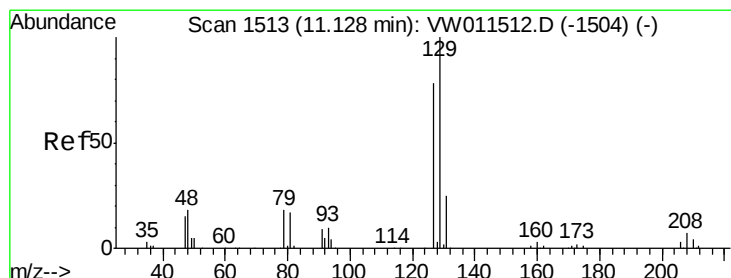
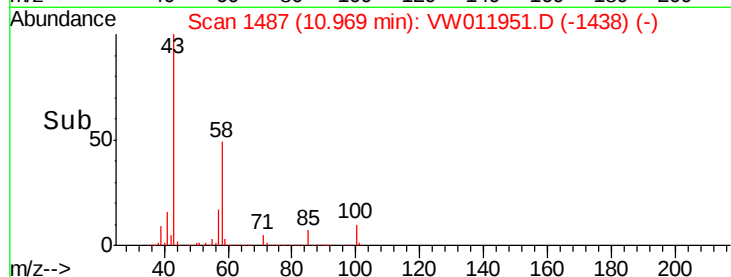
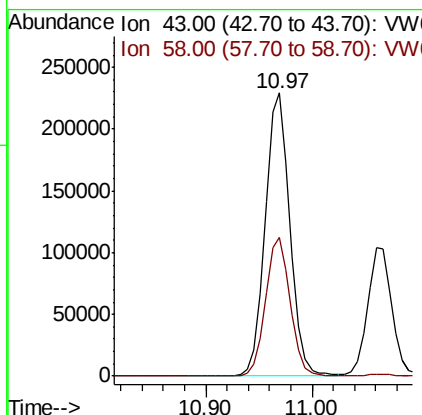
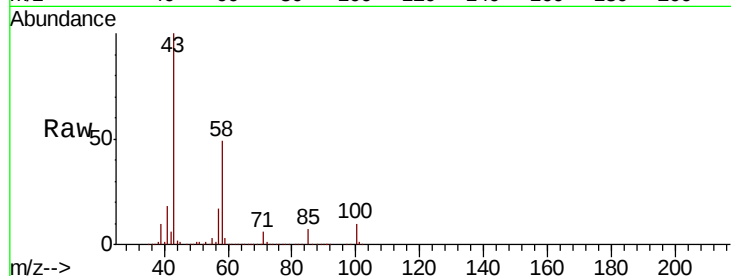




#59
2-Hexanone
Concen: 244.903 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

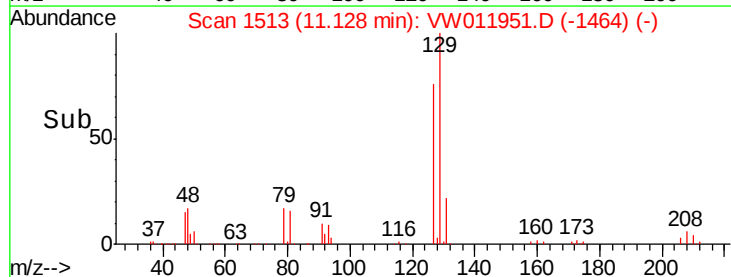
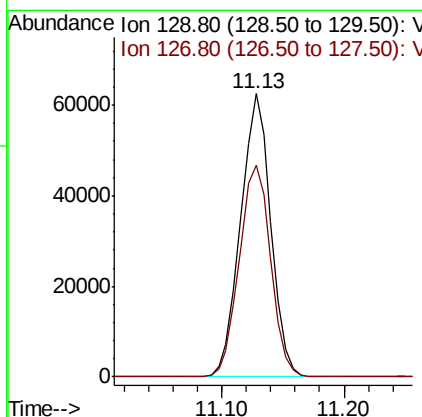
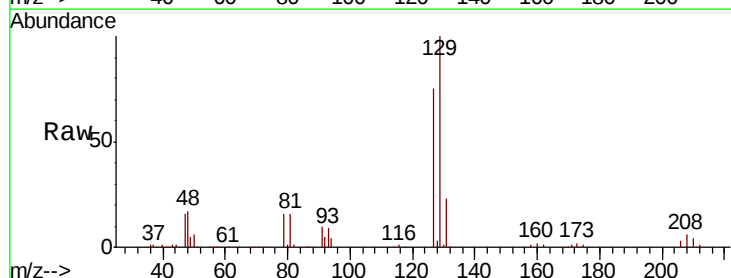
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 371159
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 50.856 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion: 129 Resp: 106858
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 48.479 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

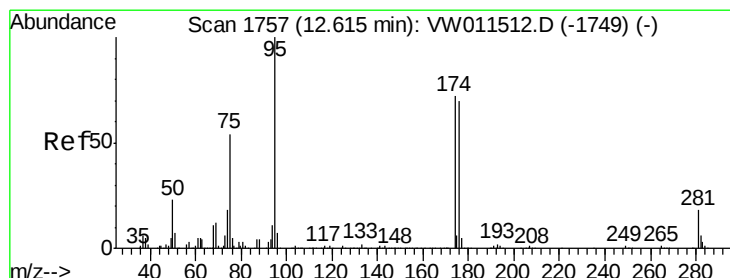
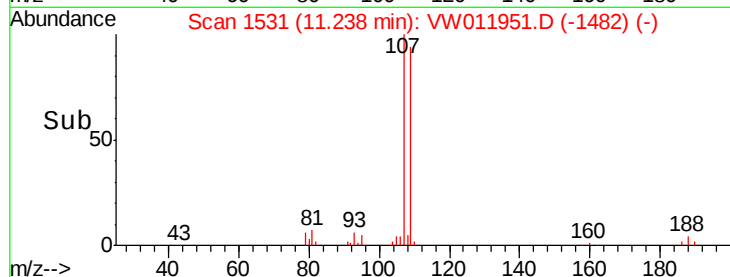
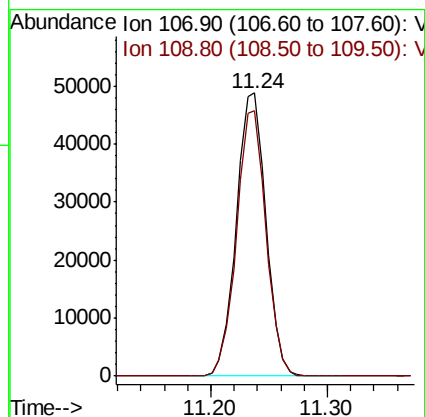
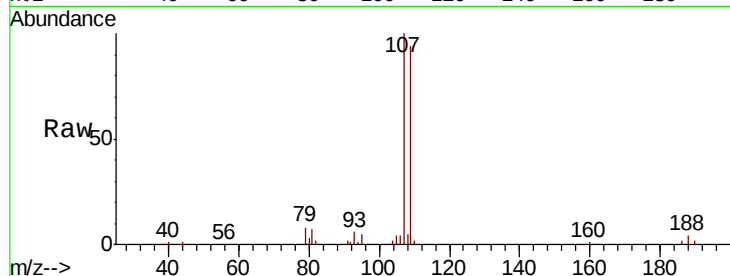
VSTDCCC050

Tgt Ion: 107 Resp: 86843

Ion Ratio Lower Upper

107 100

109 93.2 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 53.875 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

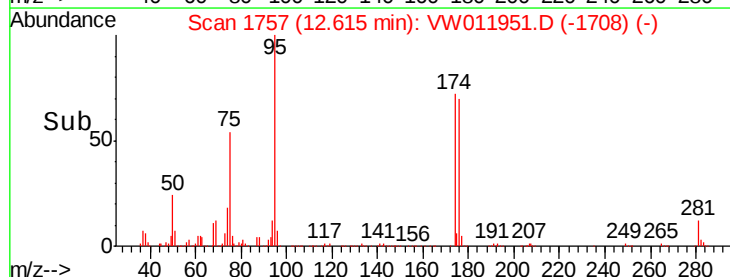
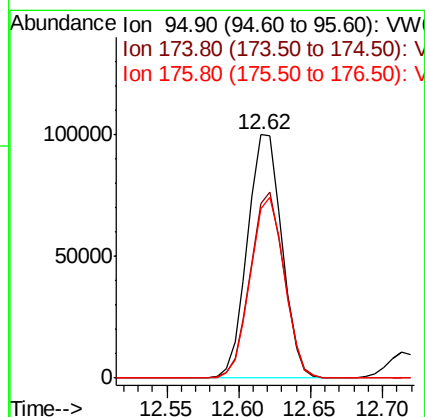
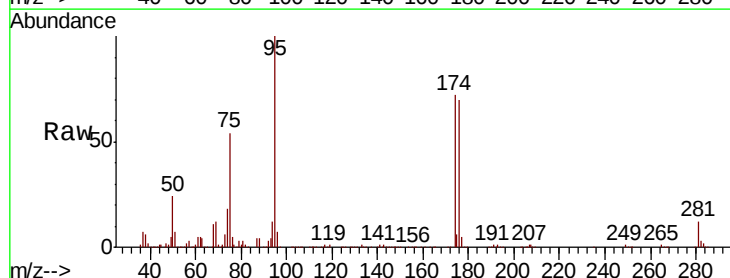
Tgt Ion: 95 Resp: 165480

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 73.2 0.0 144.4

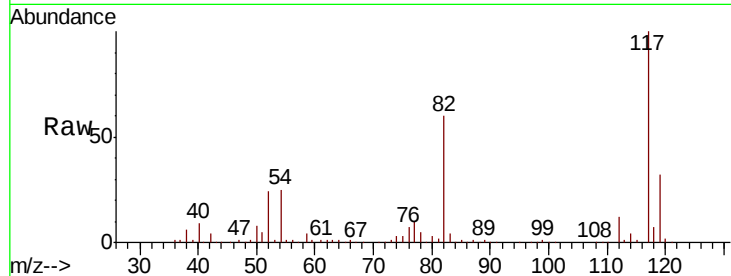




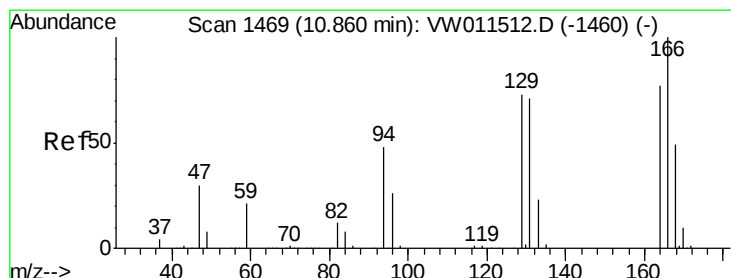
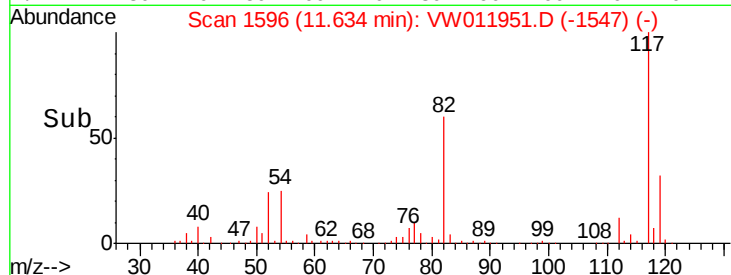
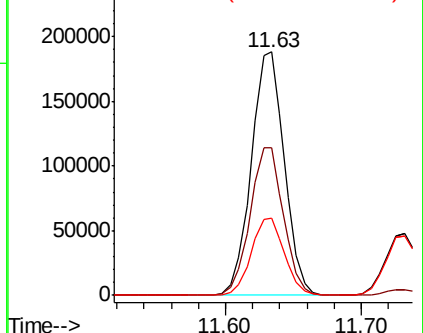
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 320961
Ion Ratio Lower Upper
117 100
82 60.4 47.9 71.9
119 31.9 26.2 39.2

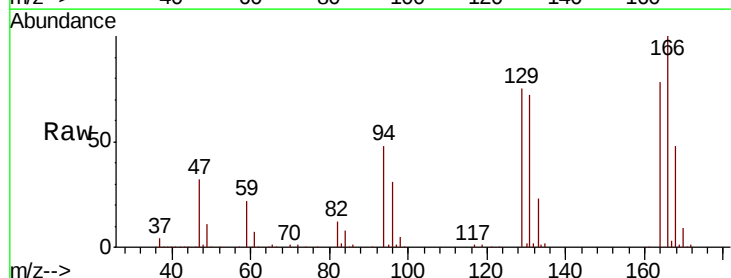


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

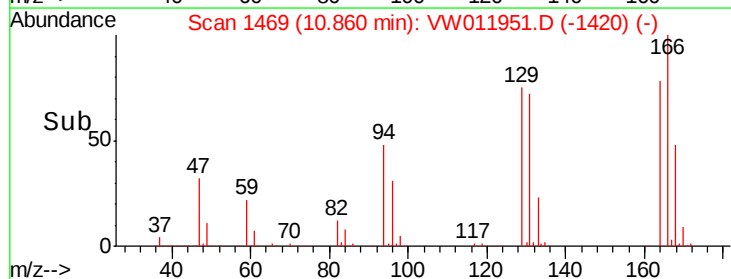
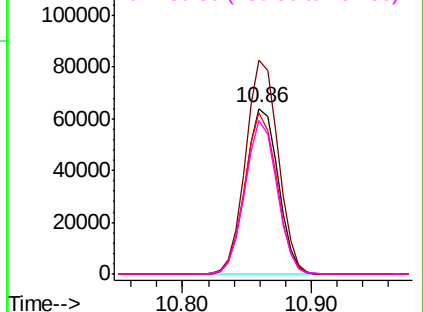


#64
Tetrachloroethene
Concen: 53.631 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion:164 Resp: 112079
Ion Ratio Lower Upper
164 100
166 129.0 103.5 155.3
129 97.1 75.2 112.8
131 92.3 73.4 110.2



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

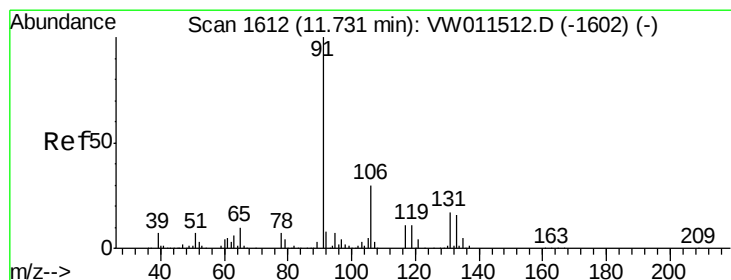
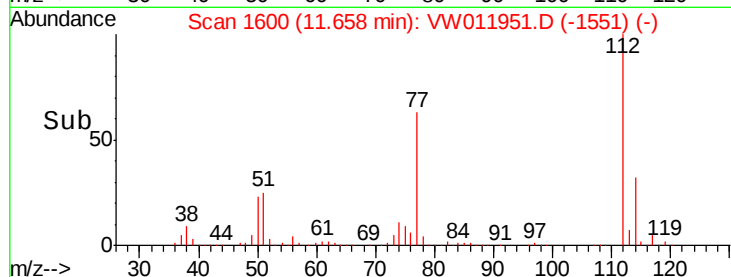
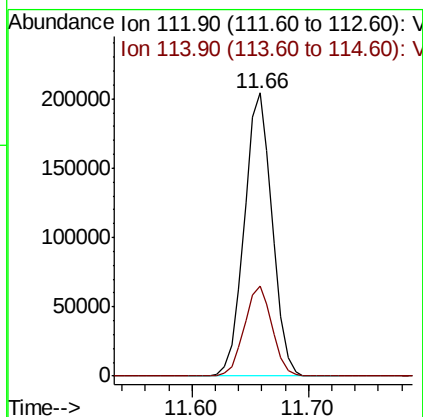
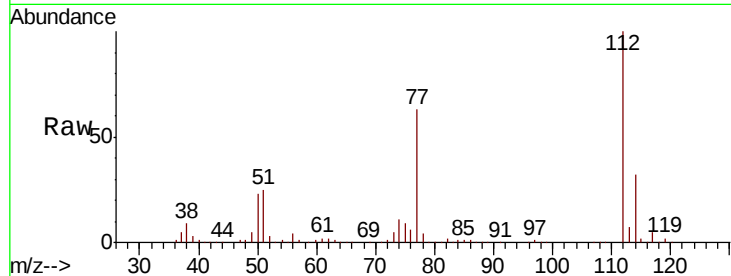




#65
Chlorobenzene
Concen: 52.574 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

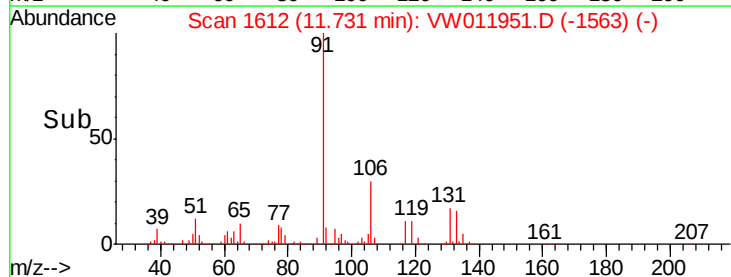
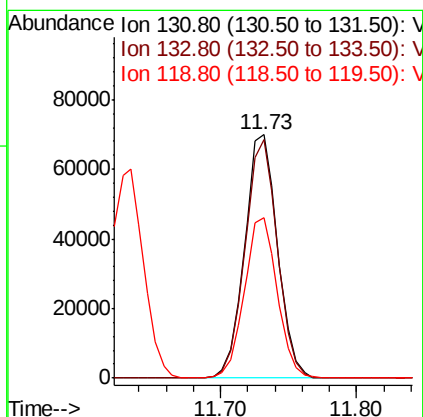
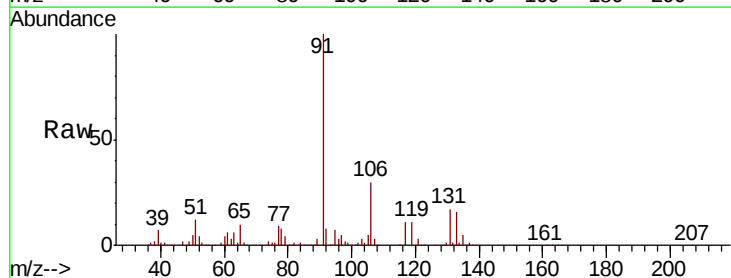
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 339248
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.793 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion:131 Resp: 118660
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.2
119 65.5 32.3 96.9

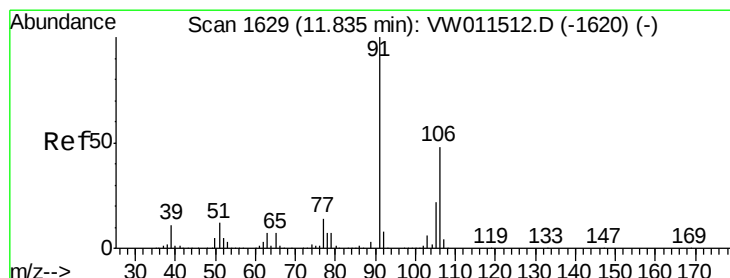
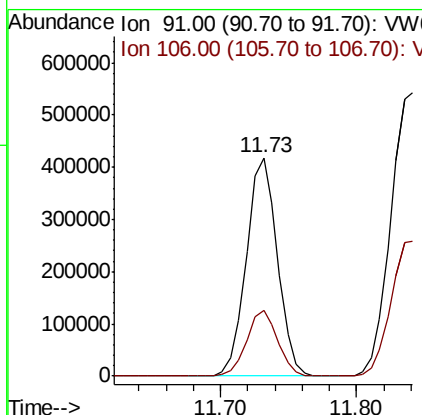
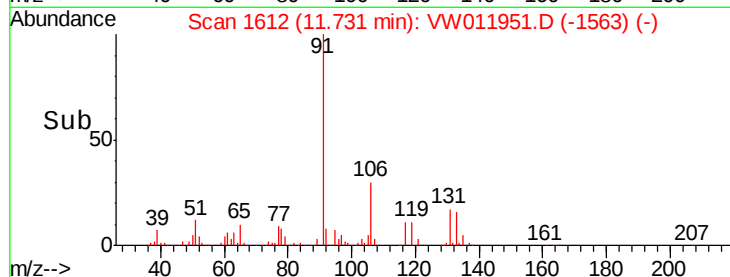
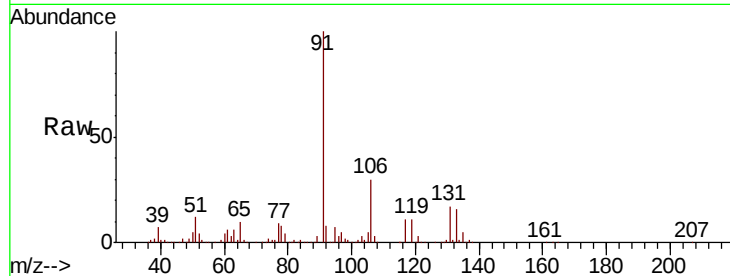




#67
Ethyl Benzene
Concen: 54.419 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

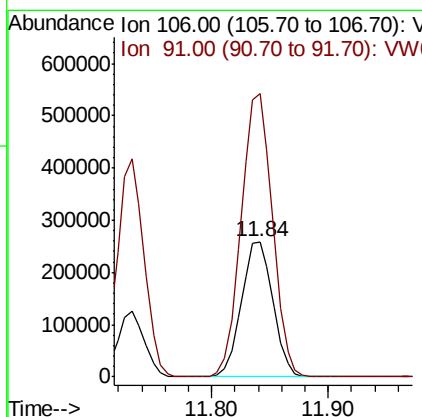
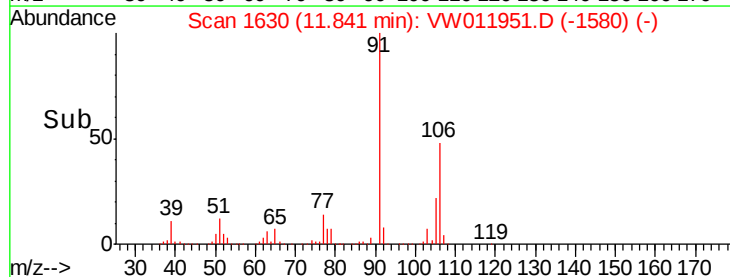
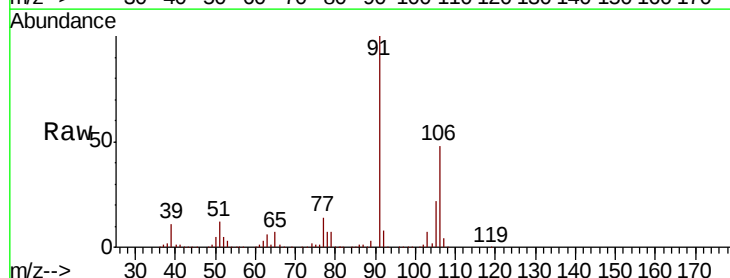
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

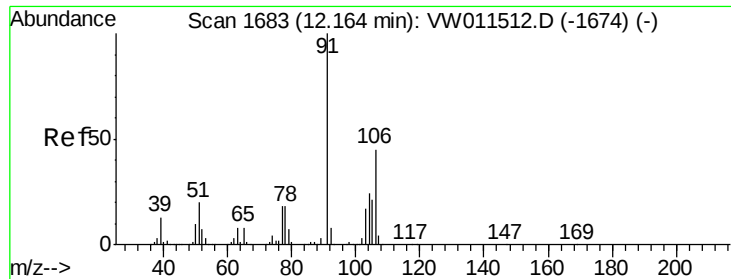
Tgt Ion: 91 Resp: 668788
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6



#68
m/p-Xylenes
Concen: 108.955 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion: 106 Resp: 486964
Ion Ratio Lower Upper
106 100
91 209.3 168.2 252.2

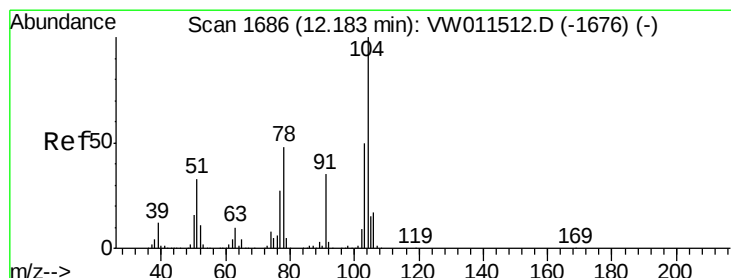
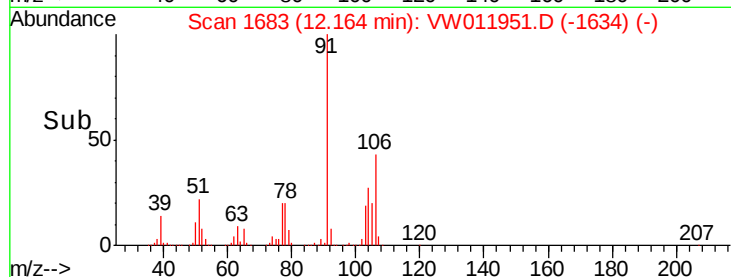
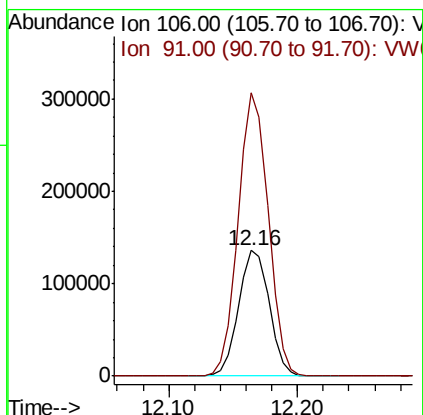
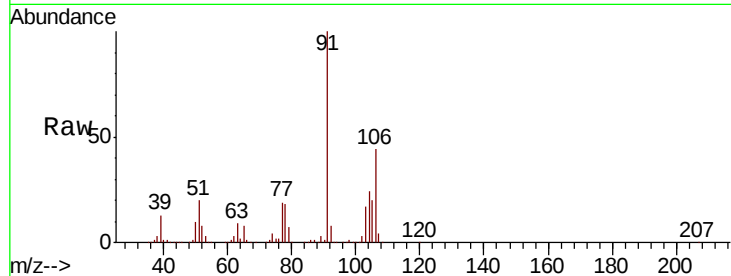




#69
o-Xylene
Concen: 53.875 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

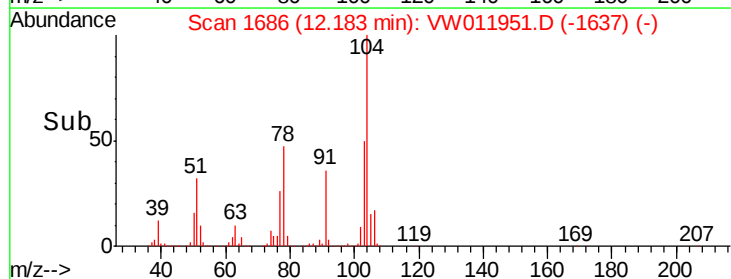
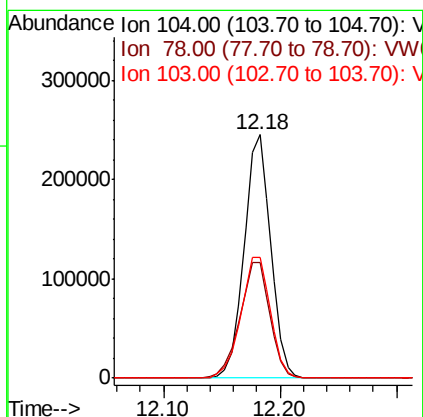
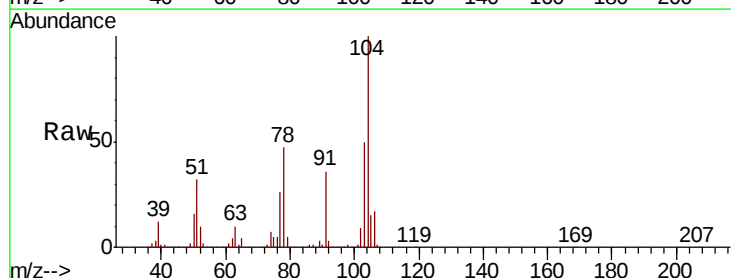
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 223756
Ion Ratio Lower Upper
106 100
91 221.7 110.5 331.5



#70
Styrene
Concen: 54.353 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion:104 Resp: 390309
Ion Ratio Lower Upper
104 100
78 53.4 43.4 65.0
103 55.1 43.9 65.9





#71

Bromoform

Concen: 51.589 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

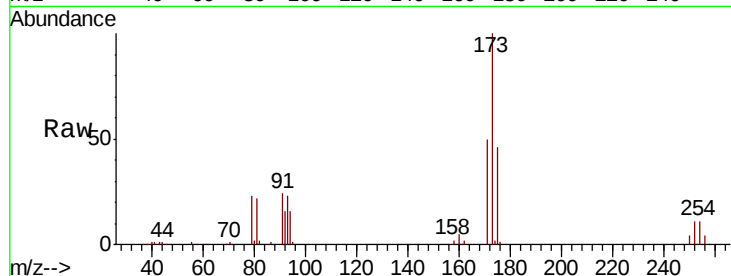
Tgt Ion:173 Resp: 59121

Ion Ratio Lower Upper

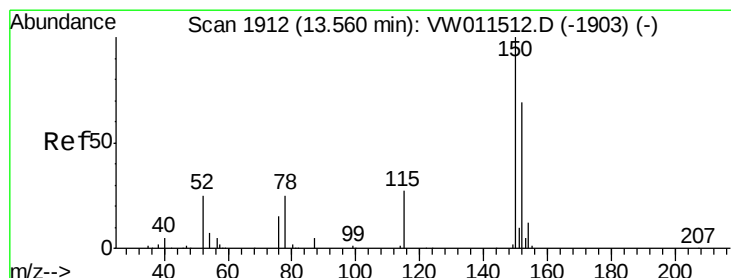
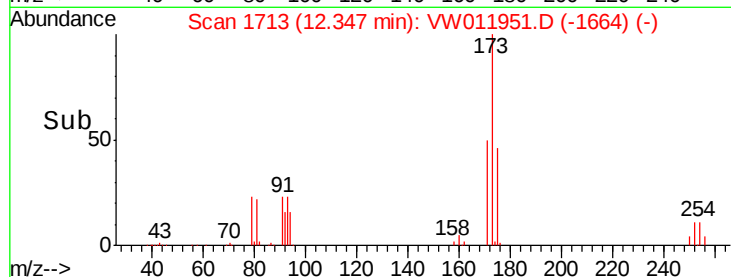
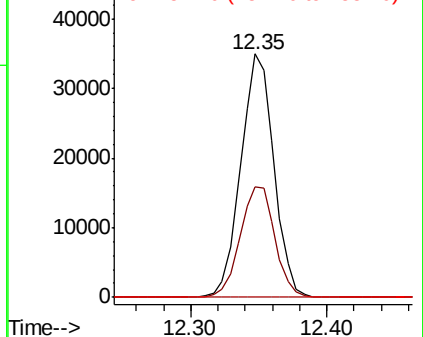
173 100

175 47.6 23.6 71.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

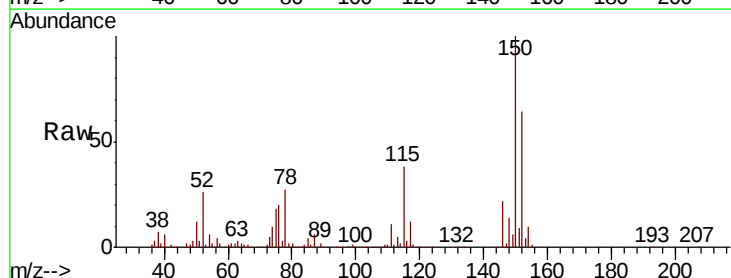
Tgt Ion:152 Resp: 153279

Ion Ratio Lower Upper

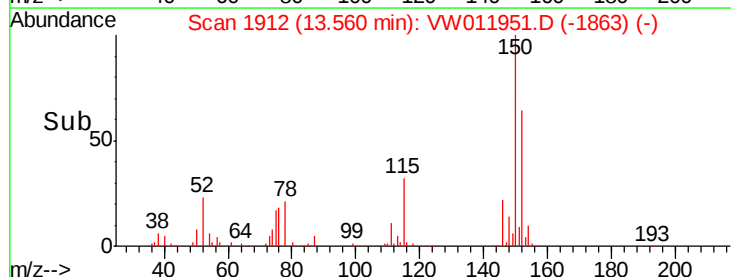
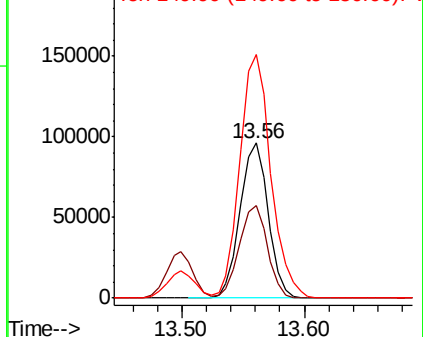
152 100

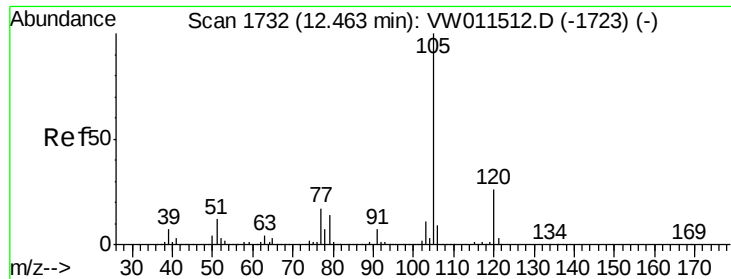
115 59.7 30.5 91.5

150 173.6 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.310 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

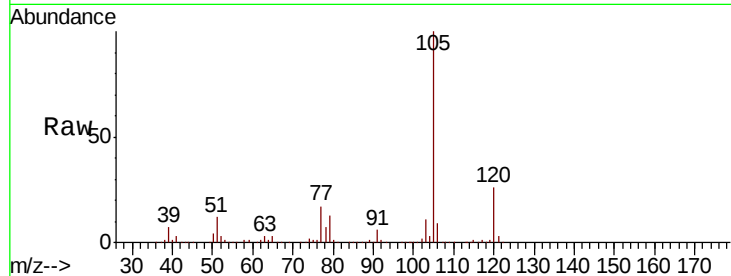
VSTDCCC050

Tgt Ion: 105 Resp: 632464

Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

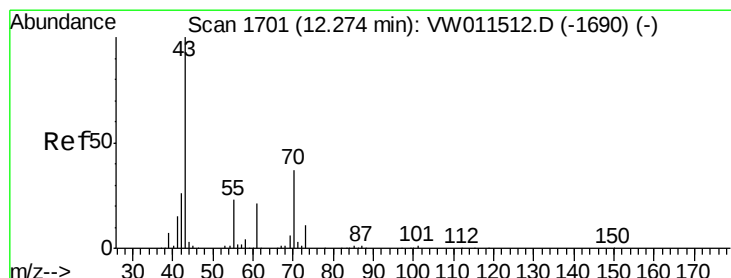
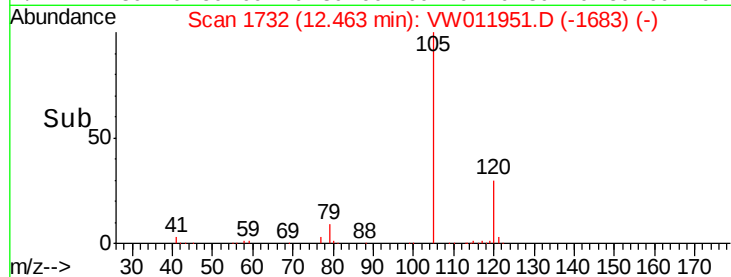
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 49.780 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion: 43 Resp: 178212

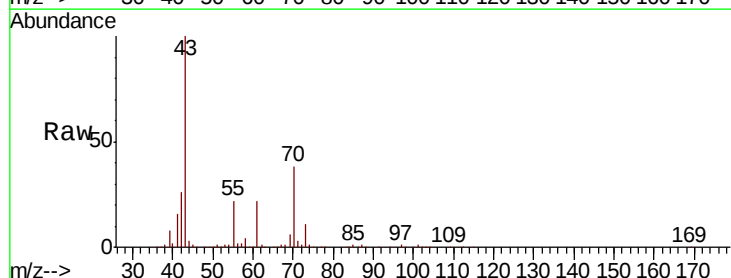
Ion Ratio Lower Upper

43 100

70 36.3 28.6 43.0

55 22.2 17.8 26.8

61 21.6 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

150000

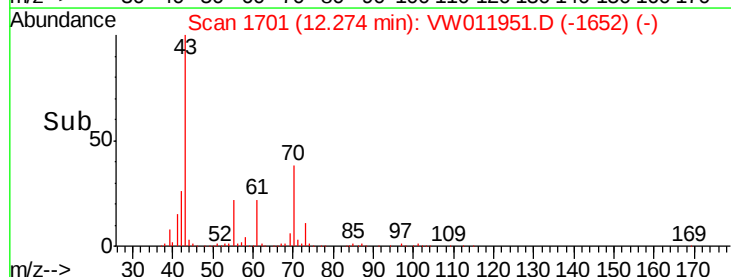
100000

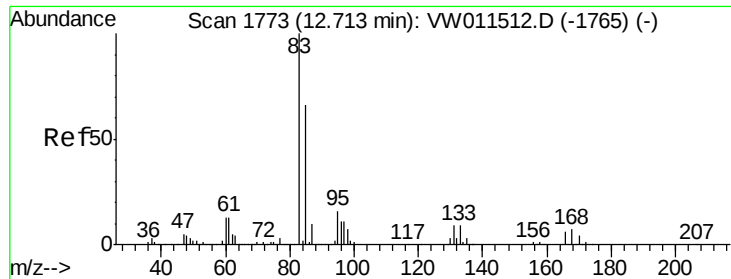
50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 49.445 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

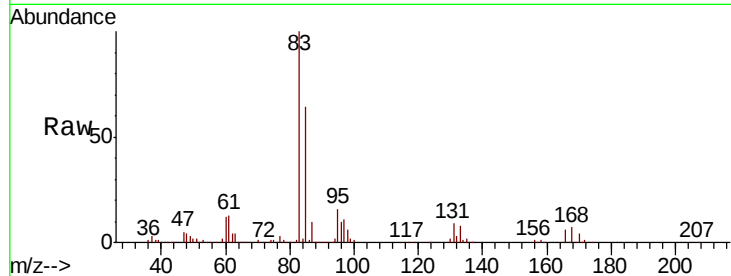
Tgt Ion: 83 Resp: 106351

Ion Ratio Lower Upper

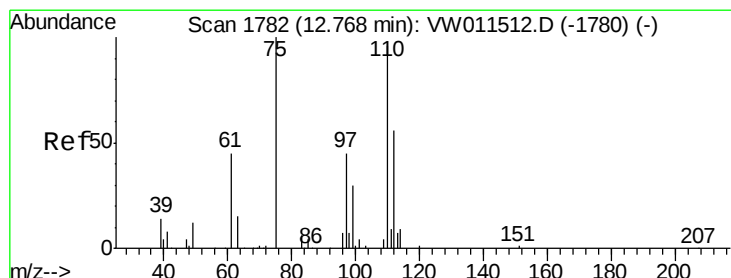
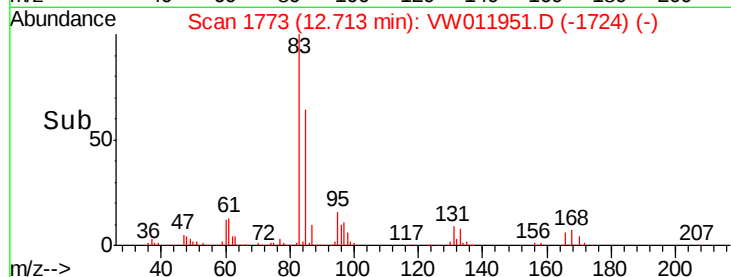
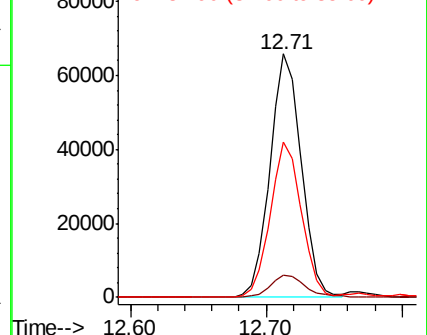
83 100

131 10.0 4.9 14.6

85 63.5 31.8 95.4



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: 87.801 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011951.D

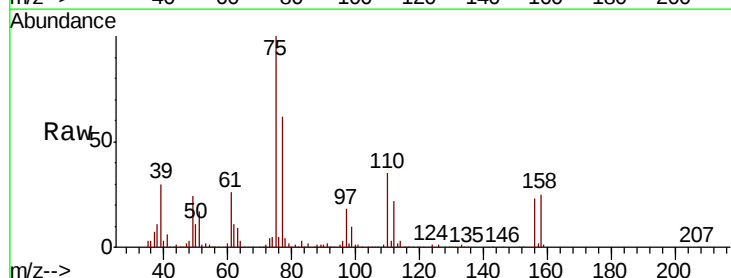
Acq: 16 Aug 2019 08:58

Tgt Ion: 75 Resp: 142402

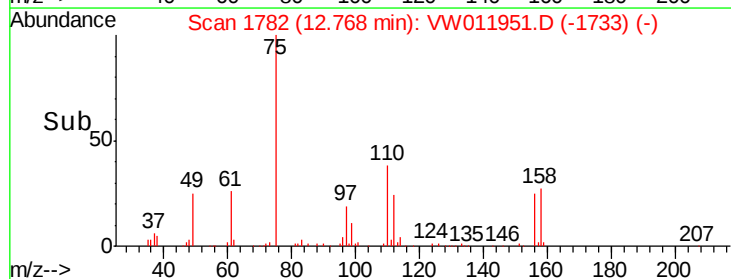
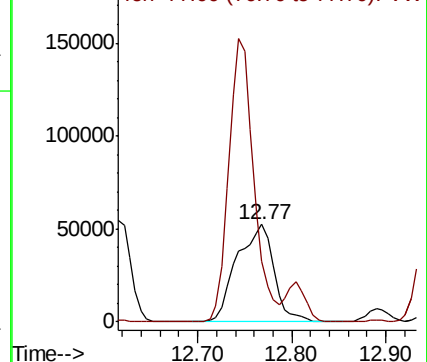
Ion Ratio Lower Upper

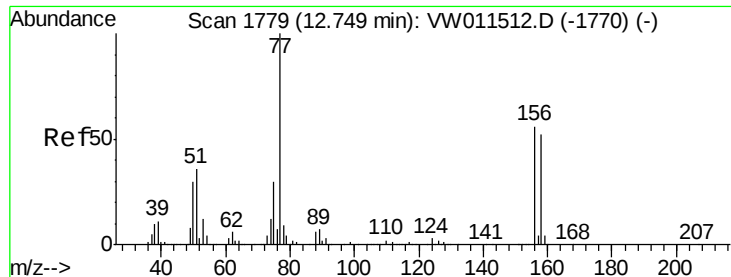
75 100

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: 52.560 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

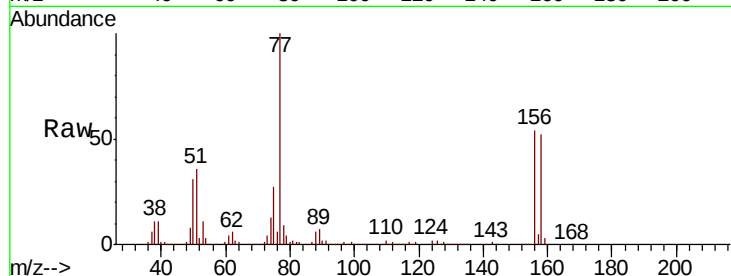
Tgt Ion: 156 Resp: 132844

Ion Ratio Lower Upper

156 100

77 211.4 106.5 319.4

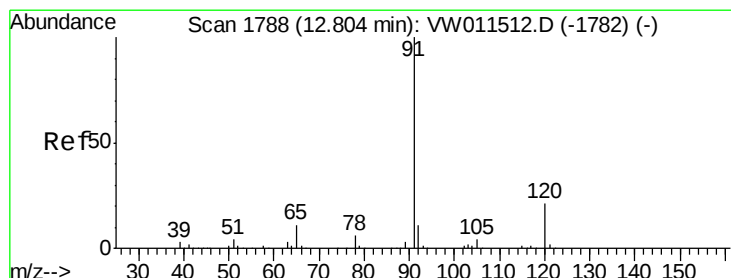
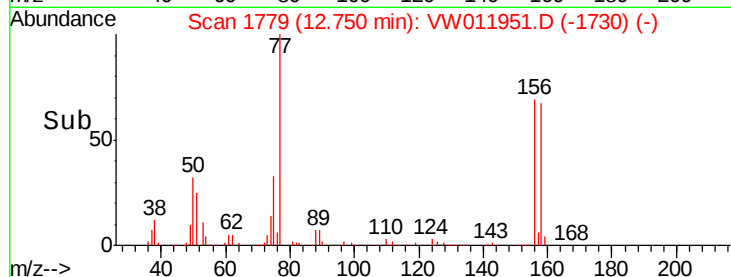
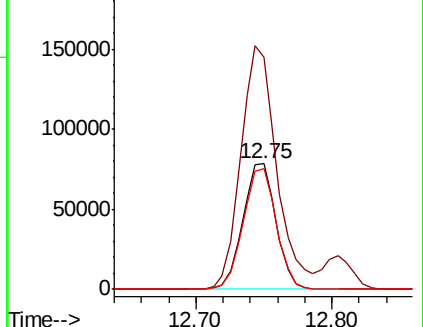
158 96.6 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.715 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011951.D

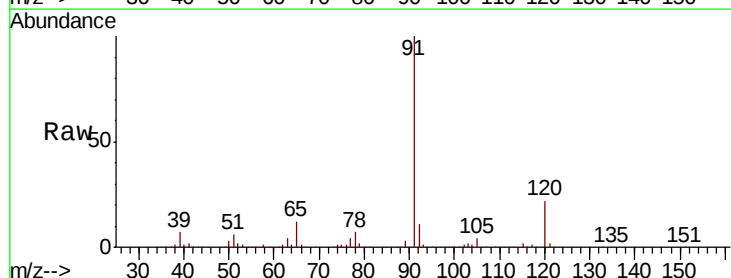
Acq: 16 Aug 2019 08:58

Tgt Ion: 91 Resp: 775352

Ion Ratio Lower Upper

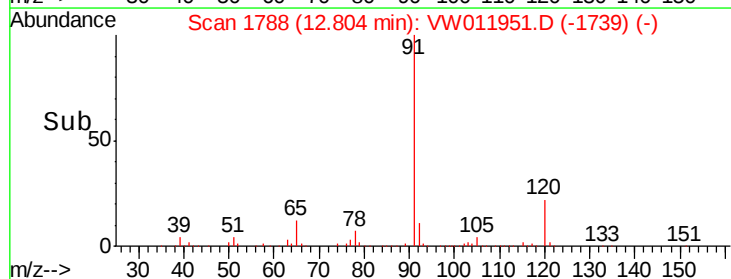
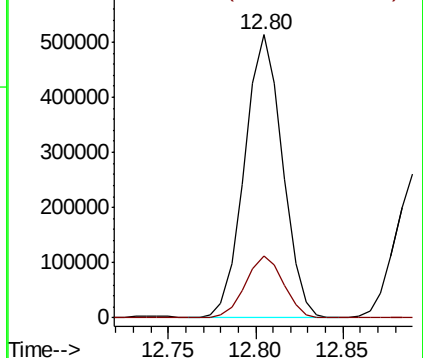
91 100

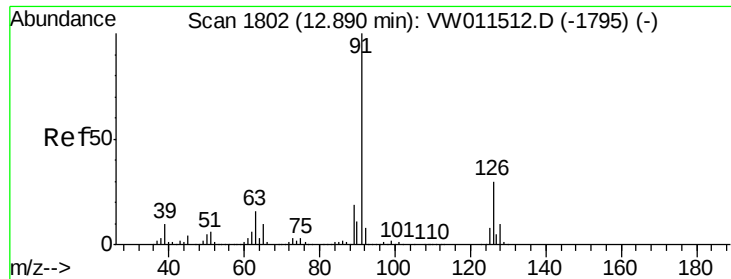
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

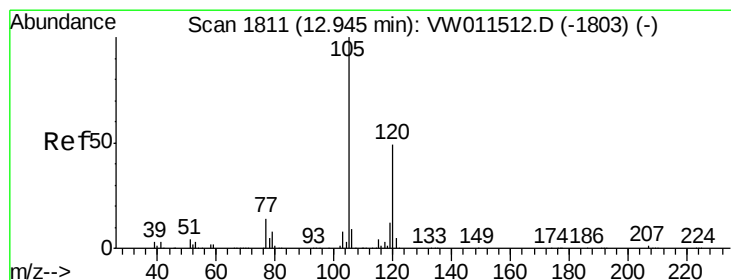
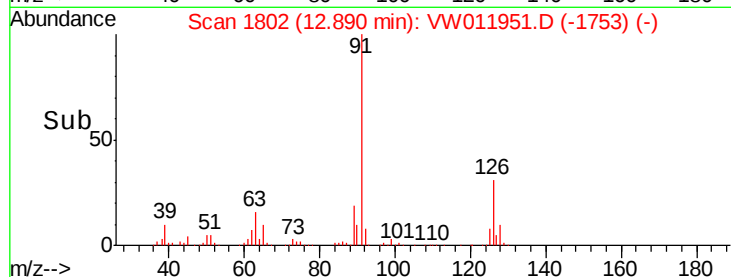
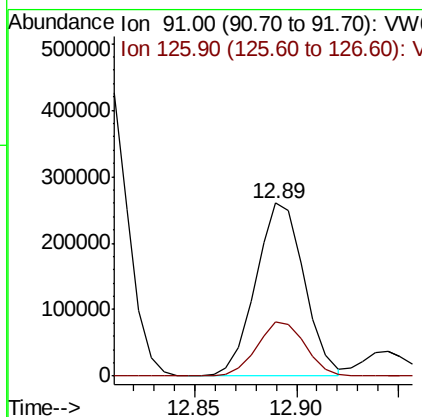
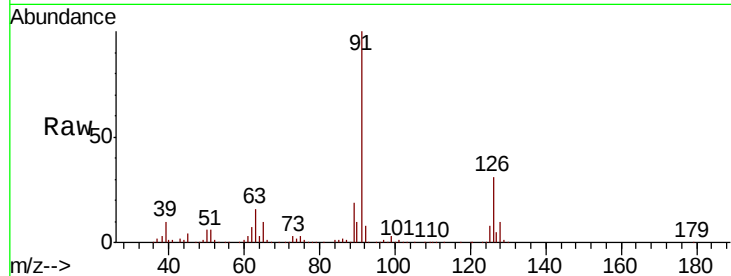




#79
 2-Chlorotoluene
 Concen: 53.553 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

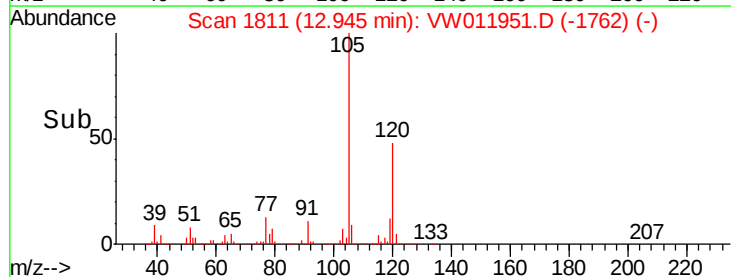
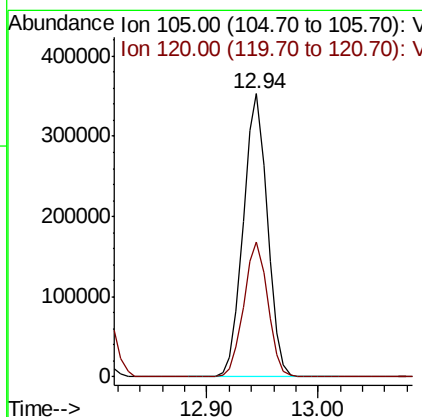
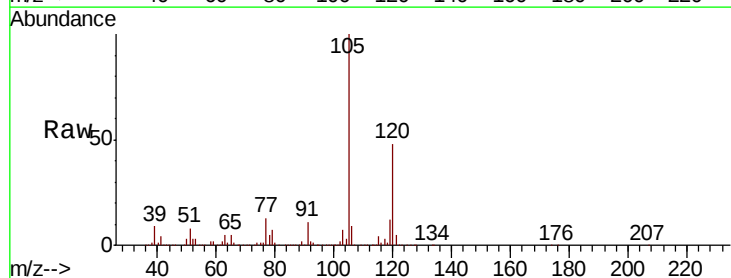
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

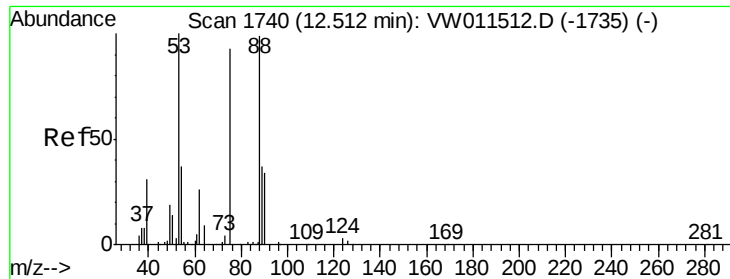
Tgt Ion: 91 Resp: 429346
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 55.214 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion: 105 Resp: 529246
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 51.647 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

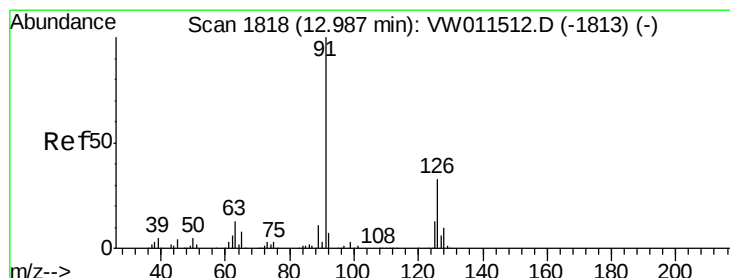
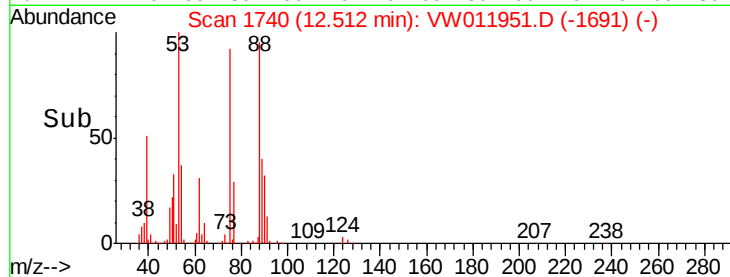
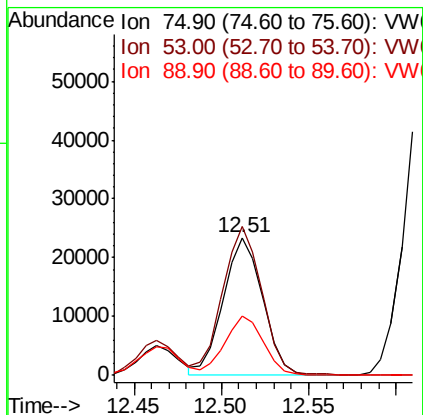
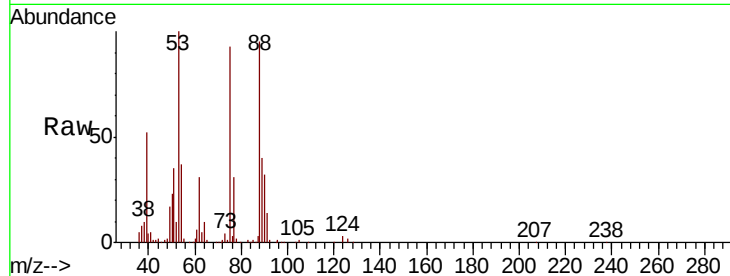
Tgt Ion: 75 Resp: 36346

Ion Ratio Lower Upper

75 100

53 109.6 88.0 132.0

89 42.3 35.3 52.9



#82

4-Chlorotoluene

Concen: 53.888 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011951.D

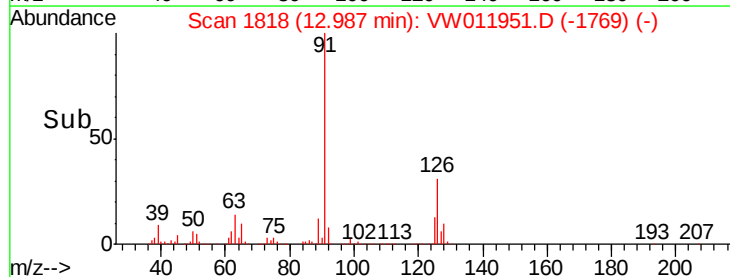
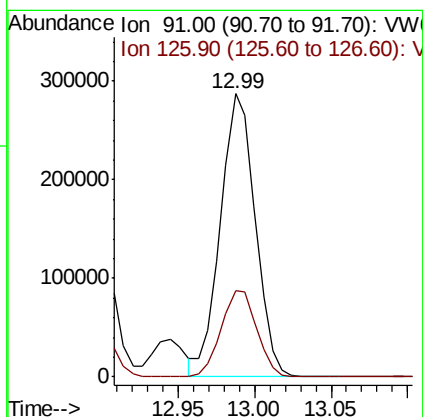
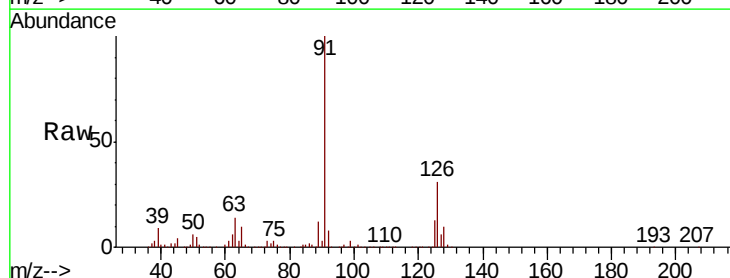
Acq: 16 Aug 2019 08:58

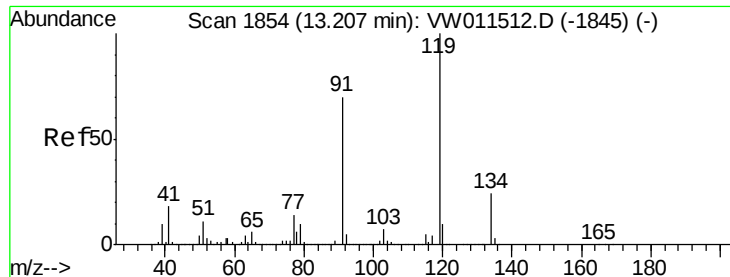
Tgt Ion: 91 Resp: 453294

Ion Ratio Lower Upper

91 100

126 31.4 15.6 46.8

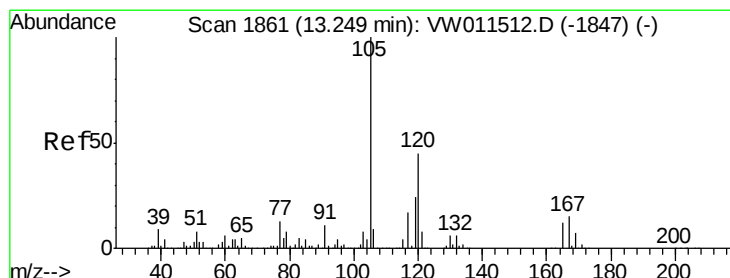
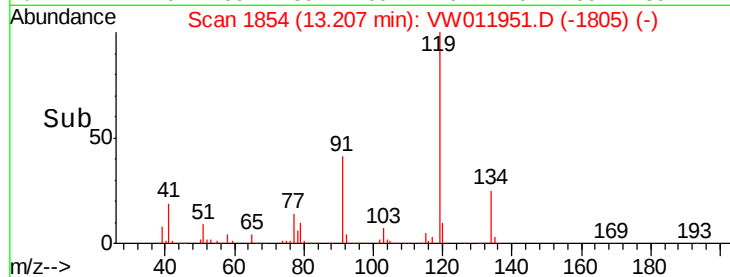
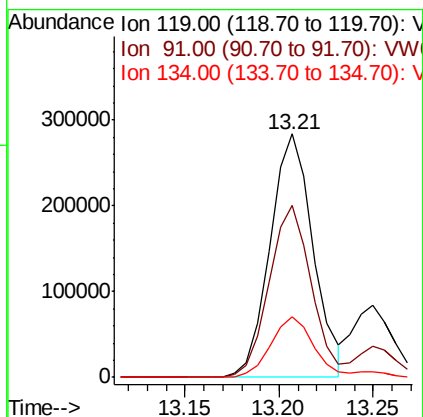
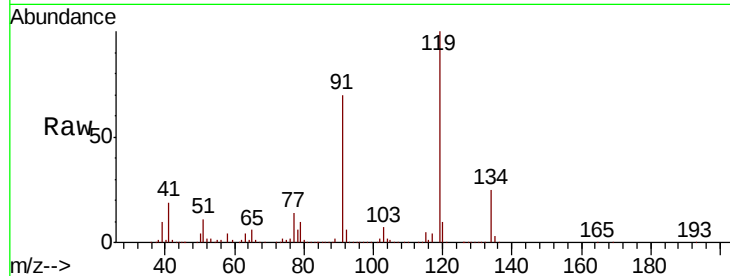




#83
 tert-Butylbenzene
 Concen: 56.160 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

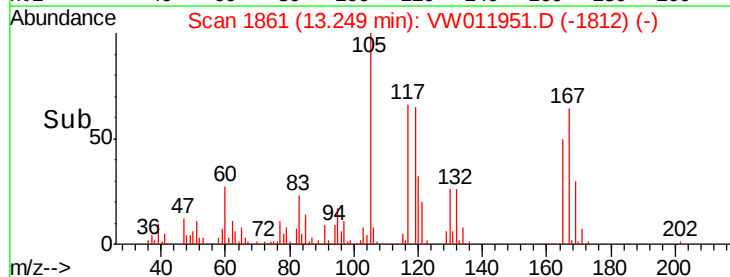
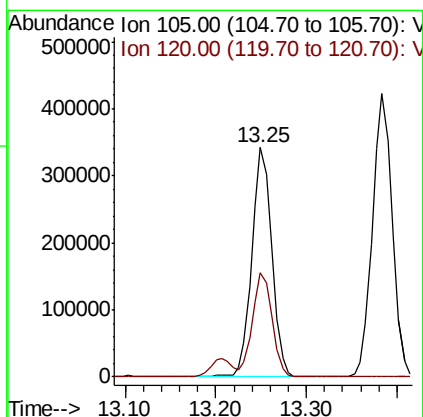
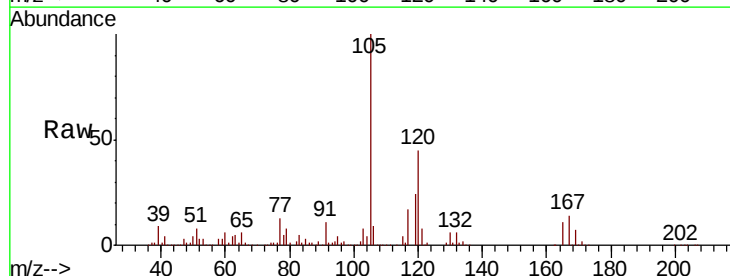
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

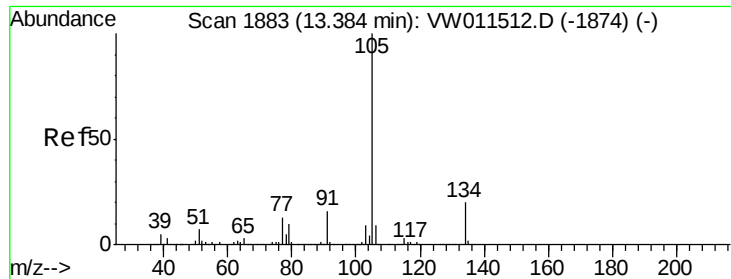
Tgt Ion:119 Resp: 450163
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.5 103.6
 134 24.7 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 54.158 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion:105 Resp: 522948
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.1 66.5





#85

sec-Butylbenzene

Concen: 55.739 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

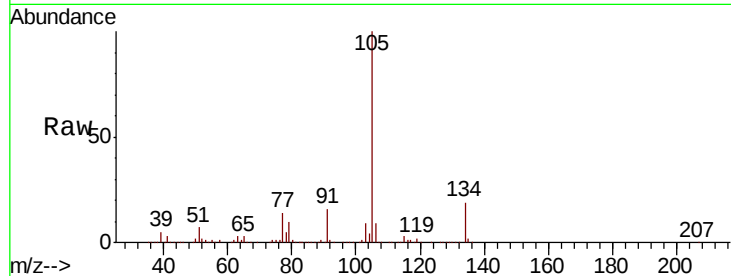
VSTDCCC050

Tgt Ion:105 Resp: 637512

Ion Ratio Lower Upper

105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

400000

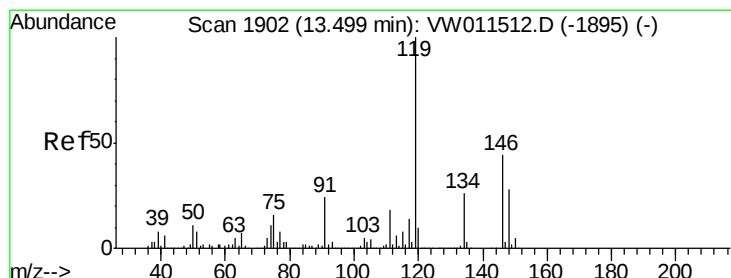
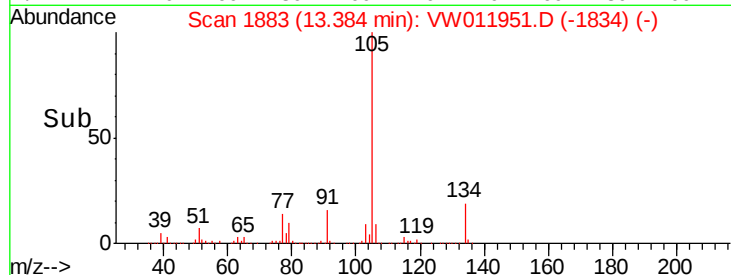
300000

200000

100000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 55.468 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

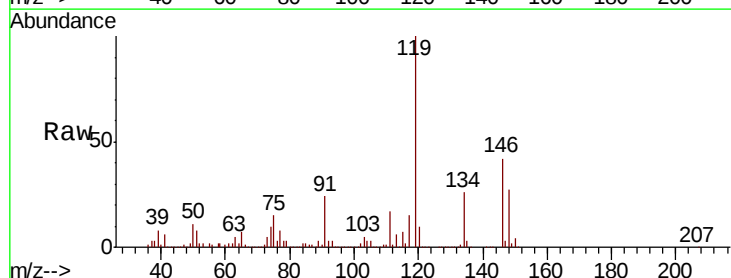
Tgt Ion:119 Resp: 575612

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.5 12.1 36.3



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

13.50

400000

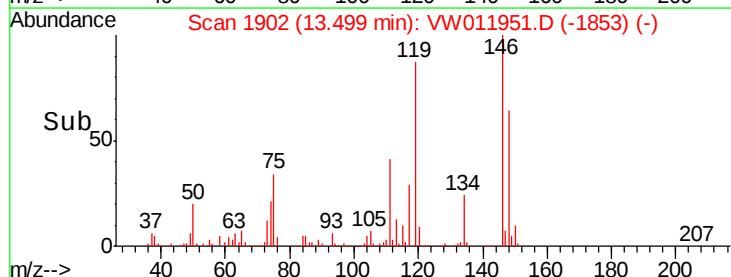
300000

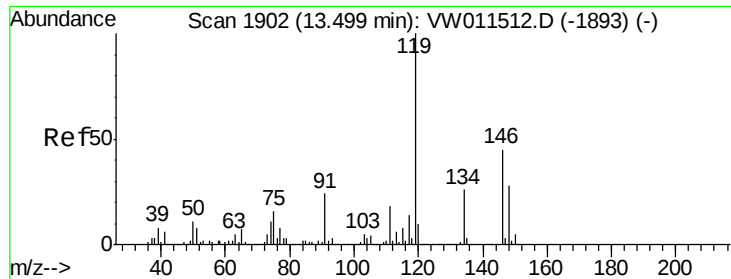
200000

100000

0

Time--> 13.40 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 52.414 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

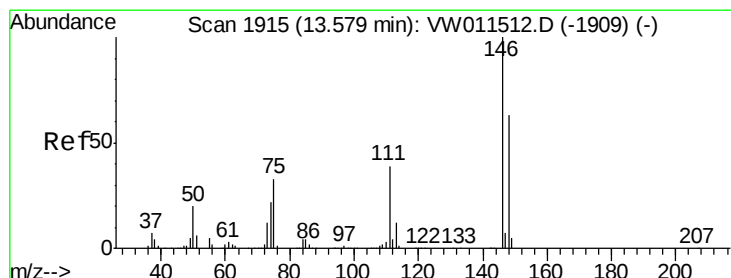
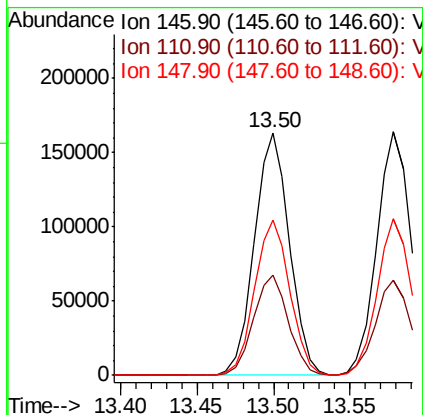
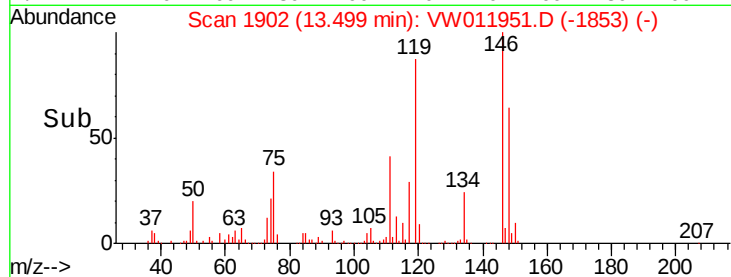
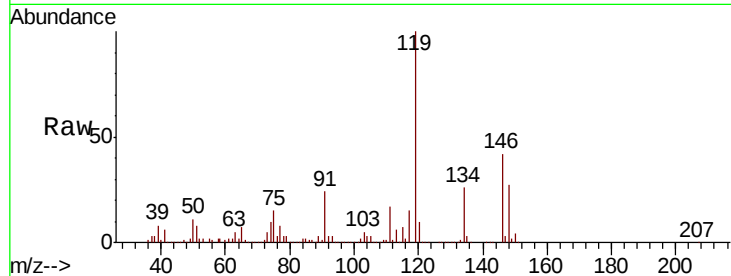
Tgt Ion:146 Resp: 259755

Ion Ratio Lower Upper

146 100

111 41.4 20.5 61.6

148 64.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 51.897 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

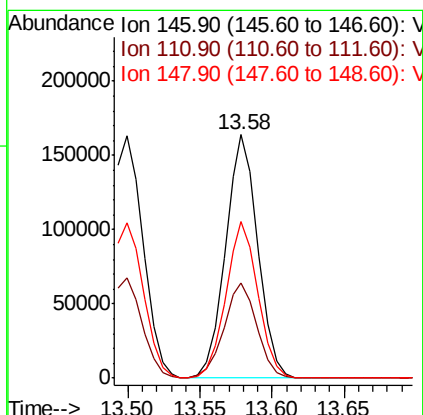
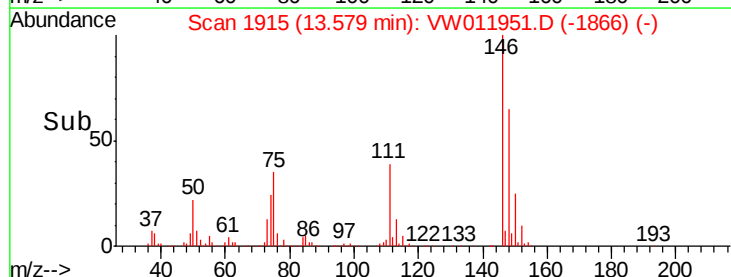
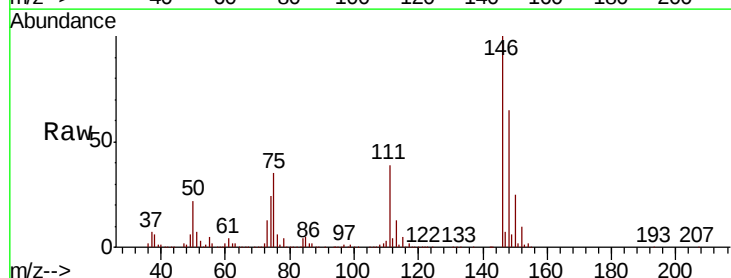
Tgt Ion:146 Resp: 255846

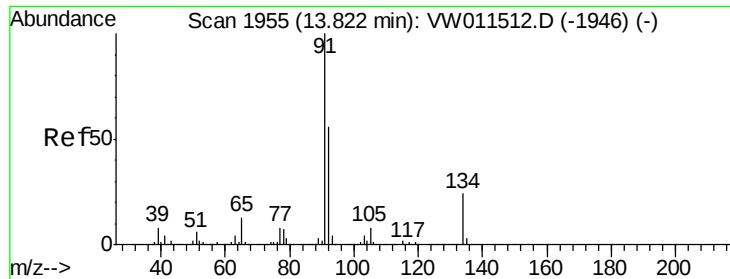
Ion Ratio Lower Upper

146 100

111 39.8 20.1 60.2

148 64.1 31.9 95.9





#89

n-Butylbenzene

Concen: 55.922 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

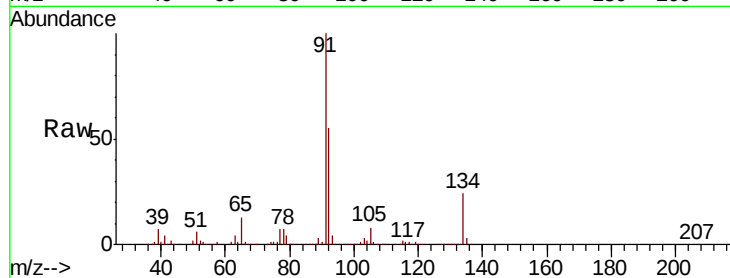
Tgt Ion: 91 Resp: 579127

Ion Ratio Lower Upper

91 100

92 54.5 27.5 82.4

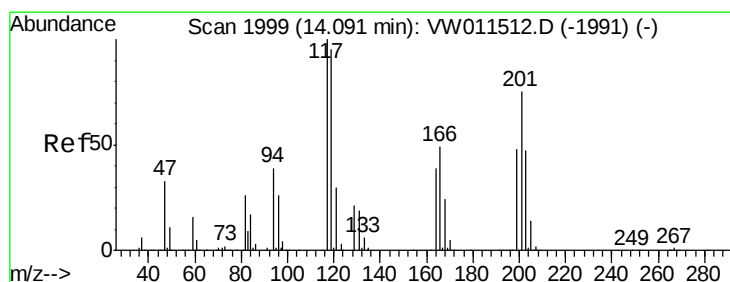
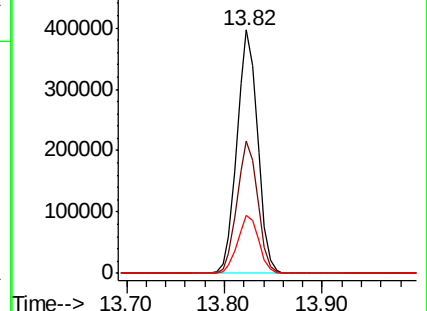
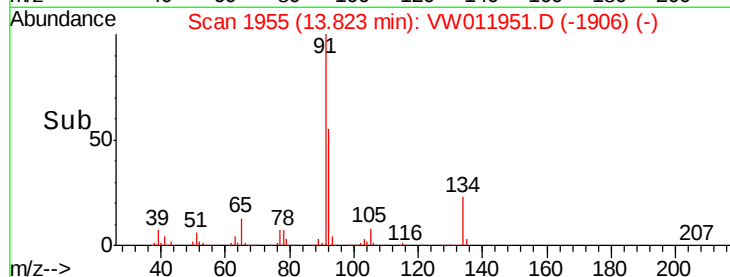
134 24.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.405 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW011951.D

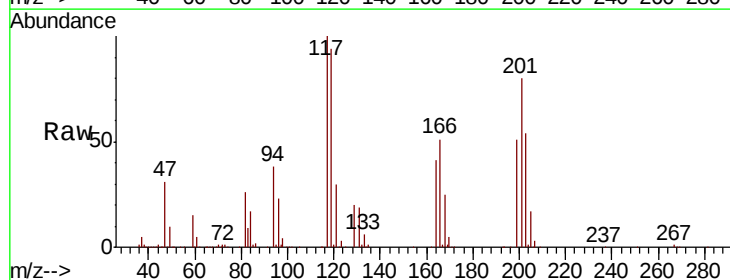
Acq: 16 Aug 2019 08:58

Tgt Ion: 117 Resp: 101668

Ion Ratio Lower Upper

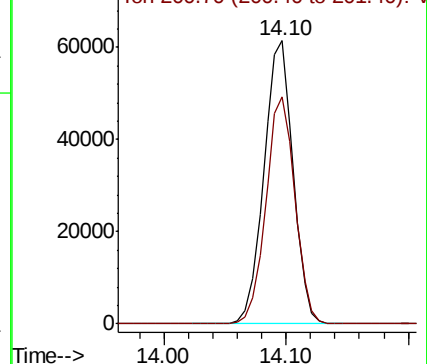
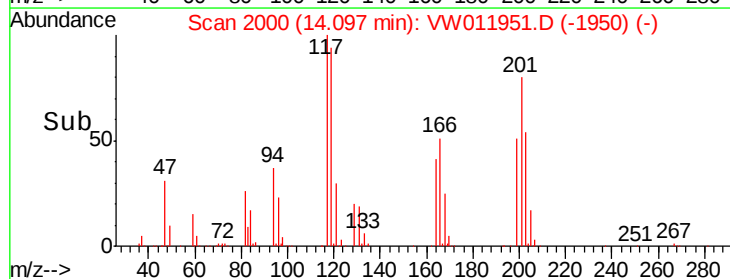
117 100

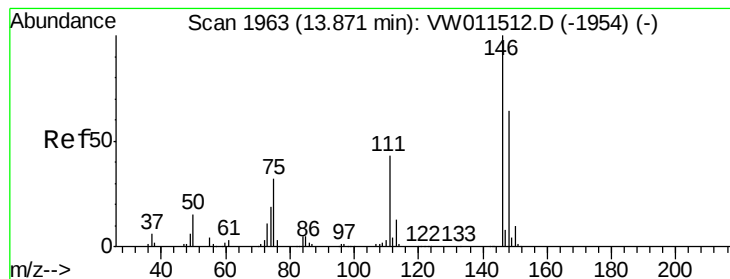
201 79.8 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 51.602 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

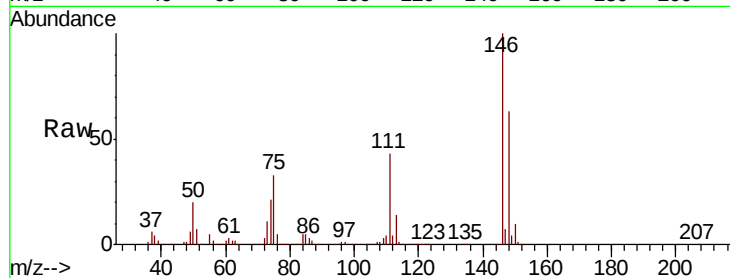
Tgt Ion:146 Resp: 226182

Ion Ratio Lower Upper

146 100

111 43.3 21.6 65.0

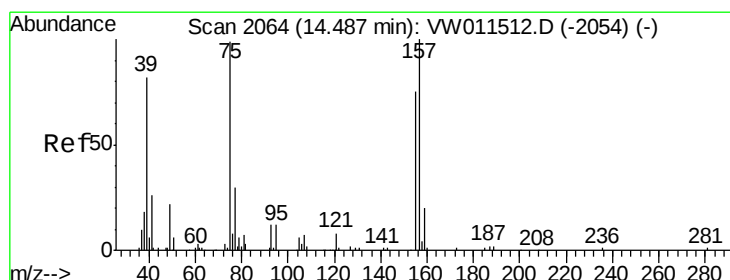
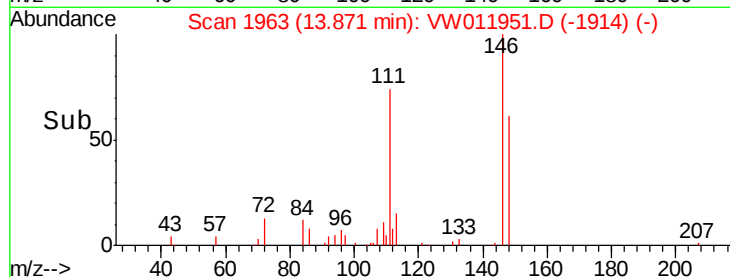
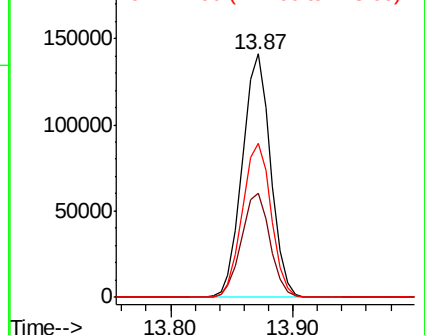
148 64.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.461 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

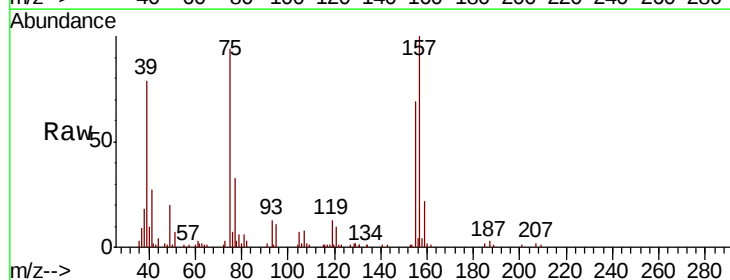
Tgt Ion: 75 Resp: 17408

Ion Ratio Lower Upper

75 100

155 73.4 38.2 114.6

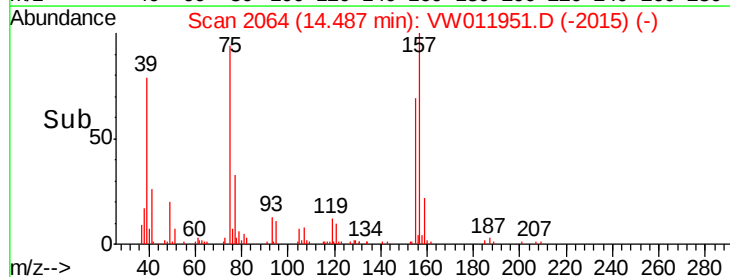
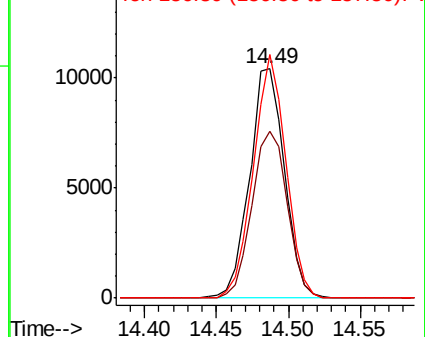
157 98.5 48.9 146.7

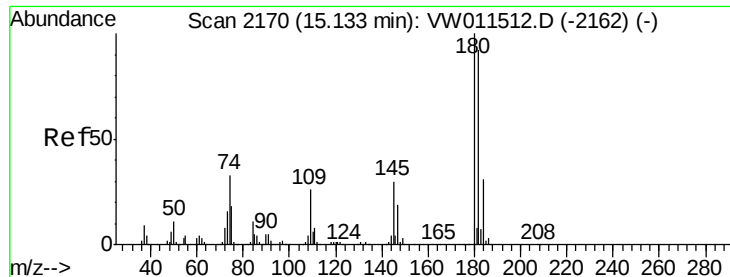


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

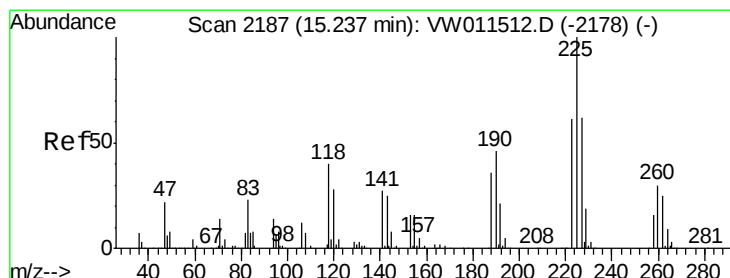
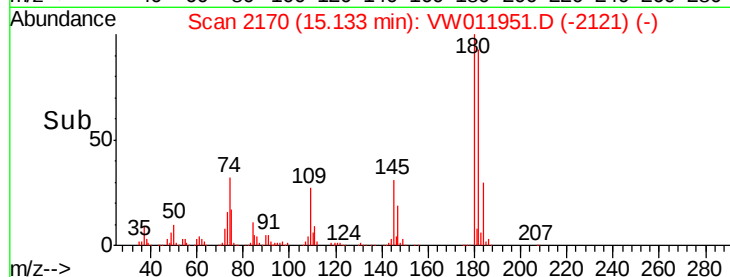
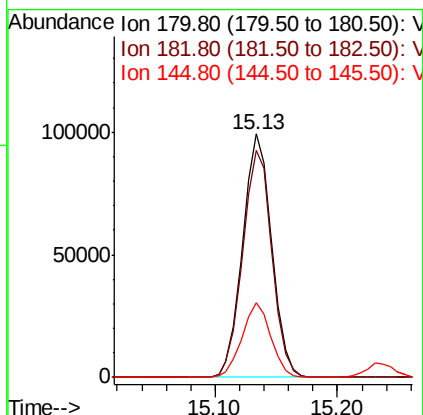
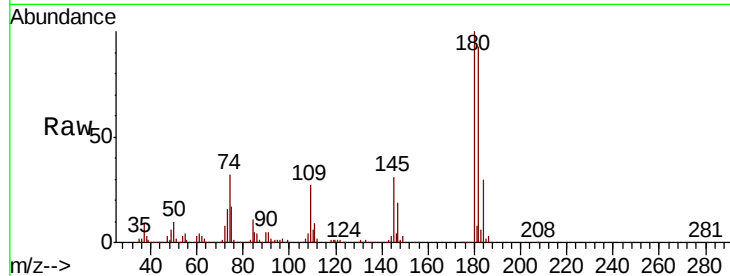




#93
 1,2,4-Trichlorobenzene
 Concen: 52.876 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

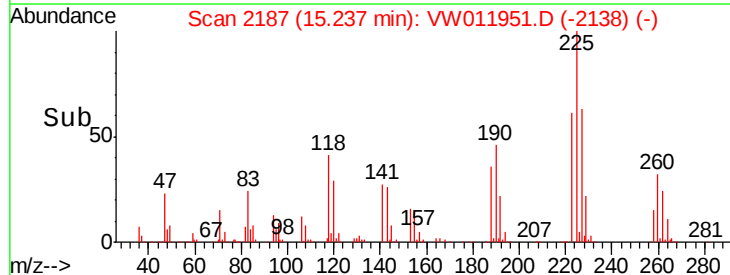
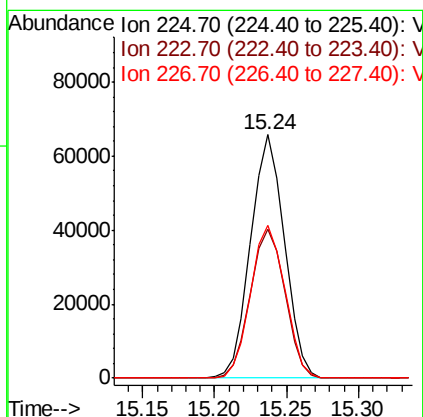
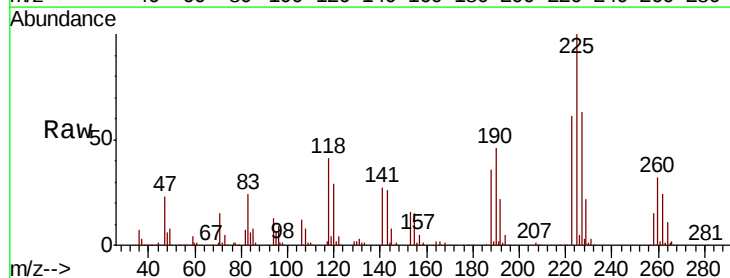
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

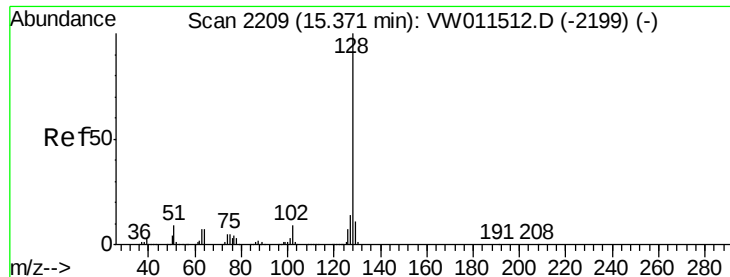
Tgt Ion:180 Resp: 163342
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.4 142.2
 145 30.3 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 55.626 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion:225 Resp: 107161
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.8 92.3
 227 63.5 31.6 94.7





#95

Naphthalene

Concen: 47.252 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

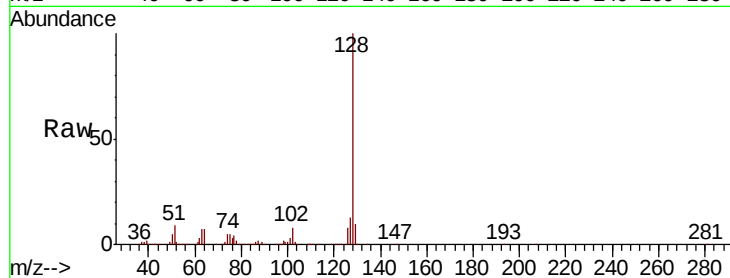
Tgt Ion:128 Resp: 285210

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

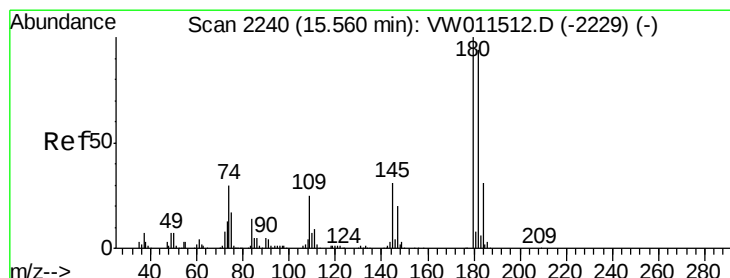
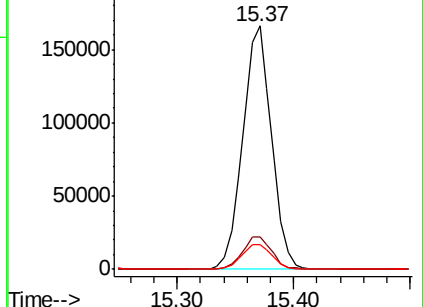
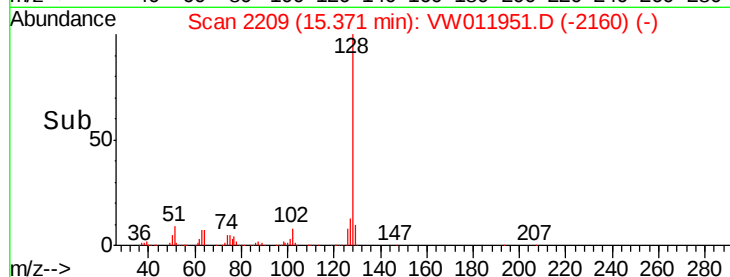
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.417 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

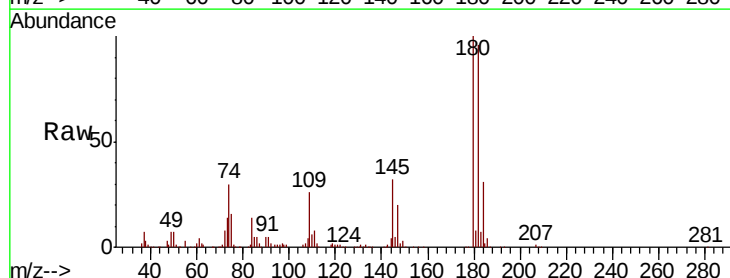
Tgt Ion:180 Resp: 141937

Ion Ratio Lower Upper

180 100

182 93.7 47.4 142.2

145 31.5 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

