

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011028.D
 Acq On : 27 Jun 2019 20:25
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 28 08:32:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160910	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	148897	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	7.88	113	116299	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
50) Toluene-d8	10.32	98	473820	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	172323	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	74163	44.780	ug/l	100
3) Chloromethane	2.21	50	104769	47.189	ug/l	99
4) Vinyl Chloride	2.36	62	135398	46.838	ug/l	99
5) Bromomethane	2.77	94	71385	49.611	ug/l	98
6) Chloroethane	2.92	64	76338	50.088	ug/l	100
7) Trichlorofluoromethane	3.25	101	40073	47.173	ug/l	93
8) Diethyl Ether	3.67	74	72899	54.185	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116096	48.593	ug/l	99
10) Methyl Iodide	4.27	142	170474	50.999	ug/l	99
11) Tert butyl alcohol	5.17	59	50900	244.023	ug/l	99
12) 1,1-Dichloroethene	4.04	96	121353	48.798	ug/l	98
13) Acrolein	3.89	56	36240	222.800	ug/l	97
14) Allyl chloride	4.66	41	201620	50.373	ug/l	100
15) Acrylonitrile	5.36	53	176945	267.082	ug/l	100
16) Acetone	4.12	43	183831	262.228	ug/l	100
17) Carbon Disulfide	4.38	76	356152	50.481	ug/l	100
18) Methyl Acetate	4.67	43	88436	48.700	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	190909	54.238	ug/l	97
20) Methylene Chloride	4.92	84	138311	48.559	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	130310	50.851	ug/l	100
22) Diisopropyl ether	6.31	45	513058	53.267	ug/l	98
23) Vinyl Acetate	6.24	43	1642289	276.723	ug/l	99
24) 1,1-Dichloroethane	6.21	63	263116	51.752	ug/l	99
25) 2-Butanone	7.17	43	283372	265.927	ug/l	99
26) 2,2-Dichloropropane	7.16	77	118362	44.839	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	143638	52.058	ug/l	98
28) Bromochloromethane	7.51	49	113011	47.748	ug/l	100
29) Tetrahydrofuran	7.52	42	177445	267.500	ug/l	99
30) Chloroform	7.67	83	237491	51.417	ug/l	99
31) Cyclohexane	7.95	56	261359	47.575	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	176742	51.207	ug/l	99
36) 1,1-Dichloropropene	8.08	75	194672	49.222	ug/l	100
37) Ethyl Acetate	7.25	43	120745	52.480	ug/l	98
38) Carbon Tetrachloride	8.07	117	164197	50.413	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	244561	50.246	ug/l	99
40) Benzene	8.32	78	550110	50.571	ug/l	100
41) Methacrylonitrile	7.48	41	67816	48.446	ug/l	91
42) 1,2-Dichloroethane	8.40	62	183069	51.328	ug/l	99
43) Isopropyl Acetate	8.42	43	234056	53.775	ug/l	99
44) Trichloroethene	9.09	130	130616	49.684	ug/l	99
45) 1,2-Dichloropropane	9.37	63	150177	50.838	ug/l	99
46) Dibromomethane	9.46	93	71663	51.872	ug/l	100
47) Bromodichloromethane	9.64	83	181569	53.083	ug/l	99
48) Methyl methacrylate	9.43	41	112562	53.337	ug/l	99
49) 1,4-Dioxane	9.44	88	24726	1064.451	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	613142	267.617	ug/l	100
52) Toluene	10.38	92	340273	51.093	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	191780	53.829	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	226007	53.178	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	101945	52.230	ug/l	98
56) Ethyl methacrylate	10.65	69	161152	55.136	ug/l	98
57) 1,3-Dichloropropane	10.93	76	193639	52.154	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	375702	254.050	ug/l	99
59) 2-Hexanone	10.97	43	433290	271.187	ug/l	99
60) Dibromochloromethane	11.13	129	110738	54.103	ug/l	98
61) 1,2-Dibromoethane	11.23	107	96138	52.614	ug/l	99
64) Tetrachloroethene	10.86	164	118388	51.837	ug/l	97
65) Chlorobenzene	11.66	112	341578	50.281	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	121502	52.678	ug/l	98
67) Ethyl Benzene	11.73	91	655590	50.386	ug/l	100
68) m/p-Xylenes	11.84	106	474044	100.405	ug/l	99
69) o-Xylene	12.16	106	224184	50.979	ug/l	100
70) Styrene	12.18	104	395384	51.740	ug/l	99
71) Bromoform	12.35	173	60884	54.147	ug/l #	98
73) Isopropylbenzene	12.46	105	613573	50.900	ug/l	100
74) N-amyl acetate	12.27	43	222383	54.932	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123777	52.289	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	162758	95.808	ug/l #	100
77) Bromobenzene	12.75	156	136955	51.689	ug/l	99
78) n-propylbenzene	12.80	91	759528	50.881	ug/l	99
79) 2-Chlorotoluene	12.89	91	430997	50.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	525638	51.447	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	38335	48.177	ug/l	99
82) 4-Chlorotoluene	12.99	91	452103	50.870	ug/l	100
83) tert-Butylbenzene	13.21	119	438946	51.520	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	529739	51.296	ug/l	99
85) sec-Butylbenzene	13.38	105	627744	50.719	ug/l	99
86) p-Isopropyltoluene	13.50	119	567458	50.949	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	266334	50.816	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	264874	50.626	ug/l	98
89) n-Butylbenzene	13.82	91	578315	51.085	ug/l	100
90) Hexachloroethane	14.10	117	99676	52.304	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	239454	50.868	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21570	53.617	ug/l	98

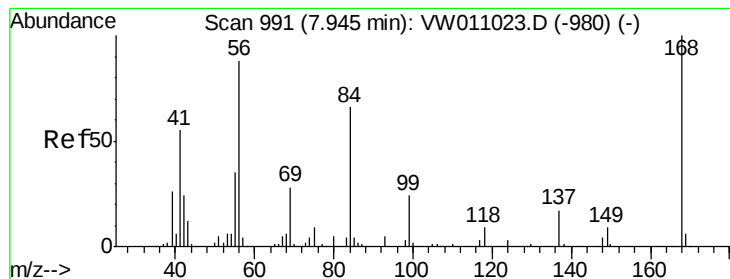
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	172174	51.985	ug/l	100
94) Hexachlorobutadiene	15.24	225	101474	50.515	ug/l	100
95) Naphthalene	15.37	128	344554	55.383	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	153924	52.048	ug/l	100

(#) = 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: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

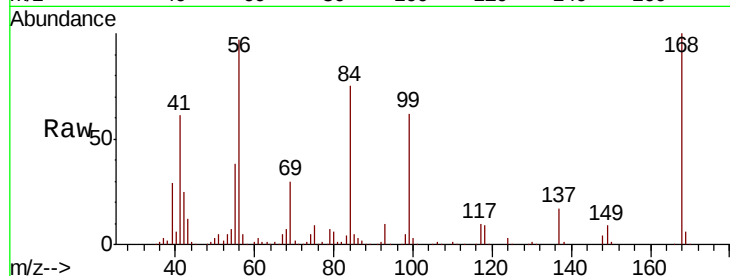
VSTDCCC050

Tot Ion:168 Resp: 219694

Ion Ratio Lower Upper

168 100

99 61.7 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

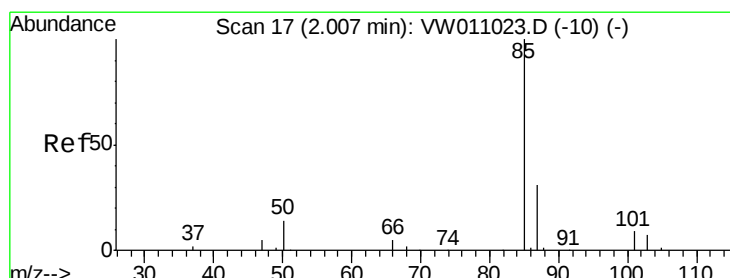
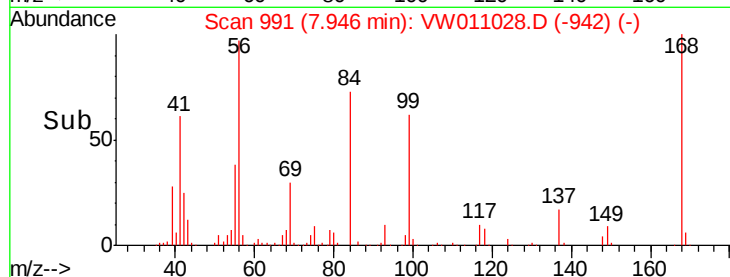
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 44.780 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011028.D

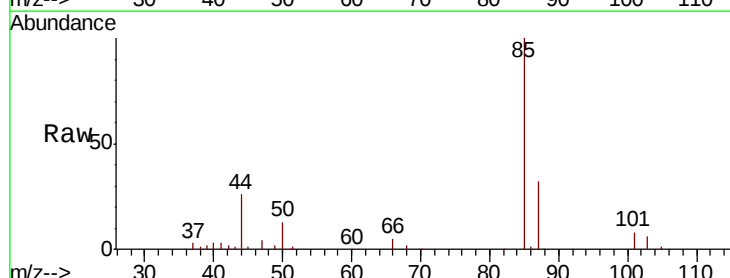
Acq: 27 Jun 2019 20:25

Tgt Ion: 85 Resp: 74163

Ion Ratio Lower Upper

85 100

87 31.6 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

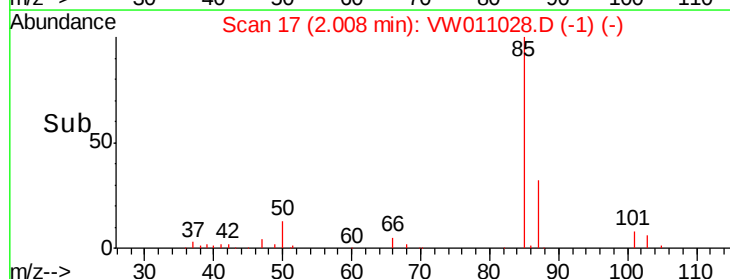
15000

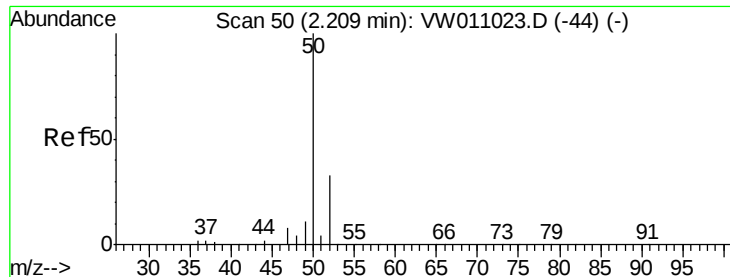
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 47.189 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

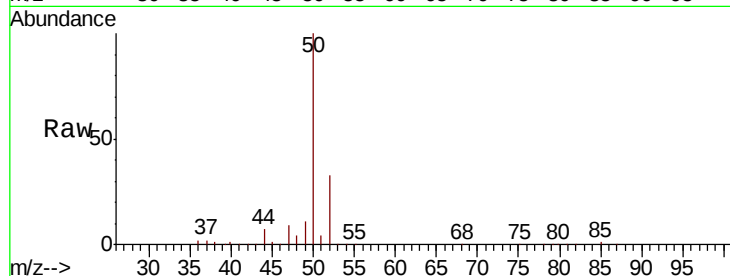
VSTDCCC050

Tot Ion: 50 Resp: 104769

Ion Ratio Lower Upper

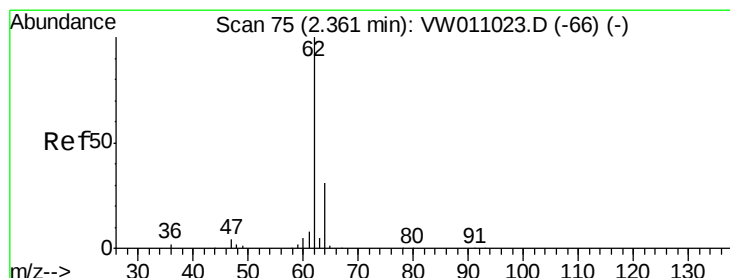
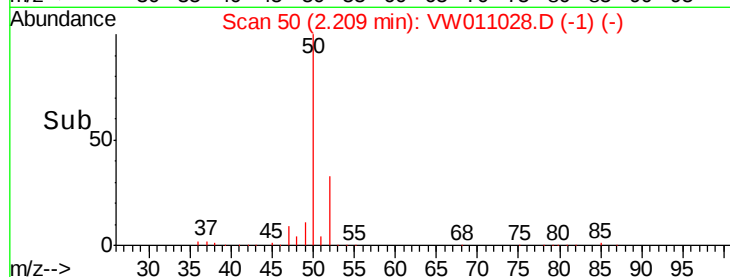
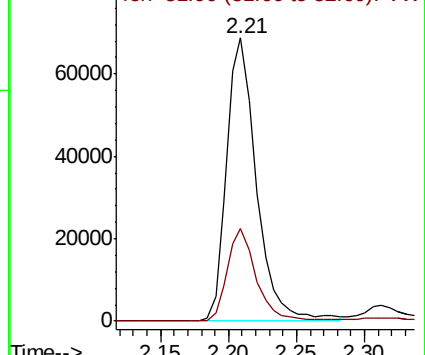
50 100

52 32.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 46.838 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011028.D

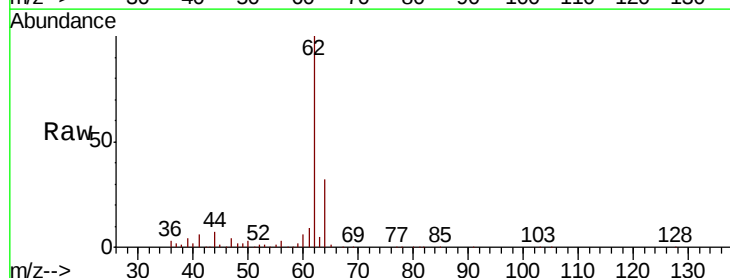
Acq: 27 Jun 2019 20:25

Tgt Ion: 62 Resp: 135398

Ion Ratio Lower Upper

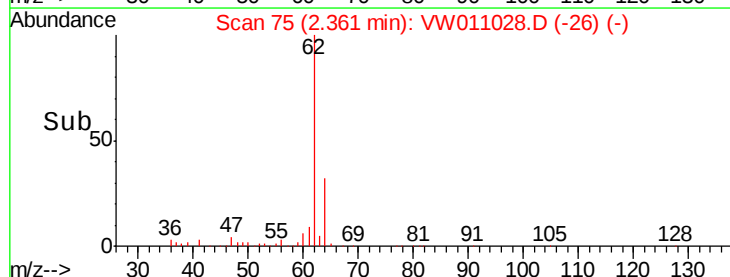
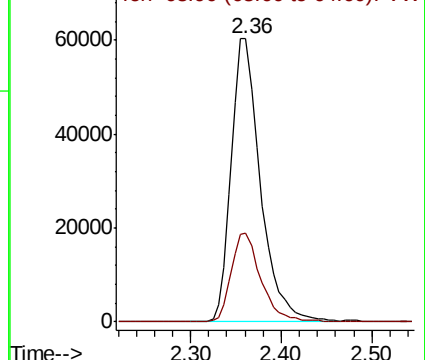
62 100

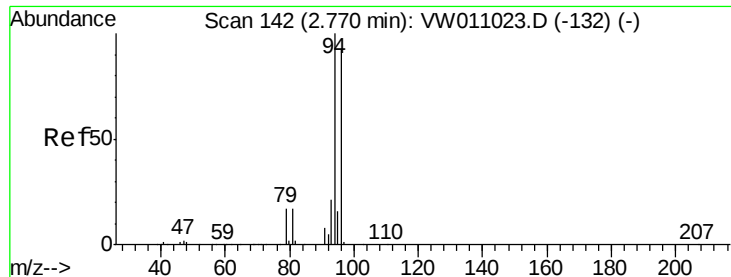
64 31.4 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 49.611 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

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Acq: 27 Jun 2019 20:25

Instrument :

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ClientSampleId :

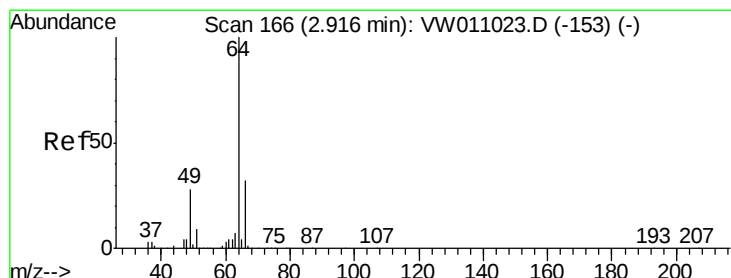
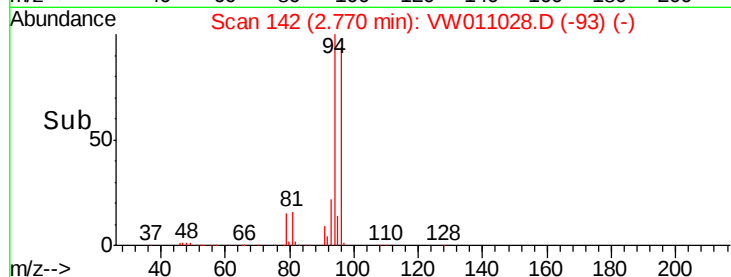
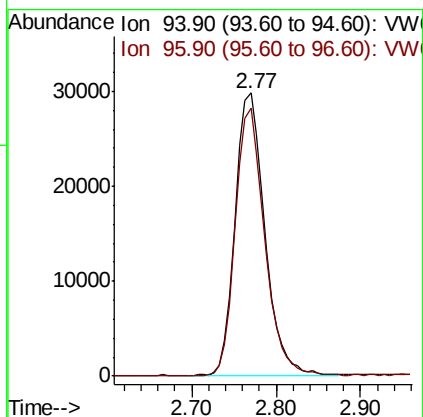
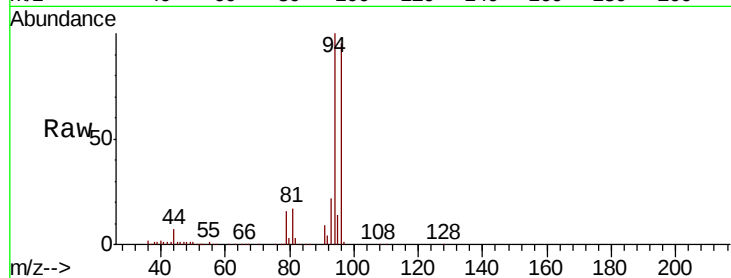
VSTDCCC050

Tot Ion: 94 Resp: 71385

Ion Ratio Lower Upper

94 100

96 94.5 74.2 111.2



#6

Chloroethane

Concen: 50.088 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011028.D

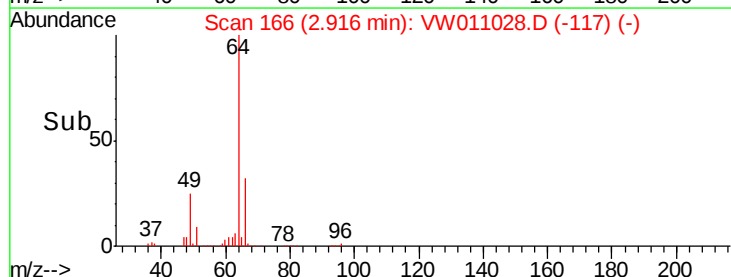
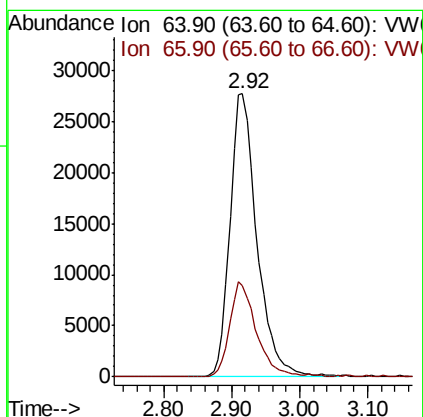
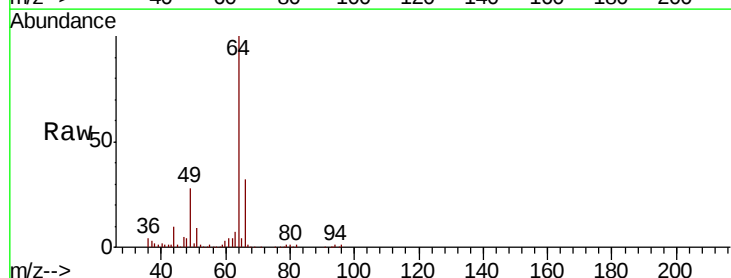
Acq: 27 Jun 2019 20:25

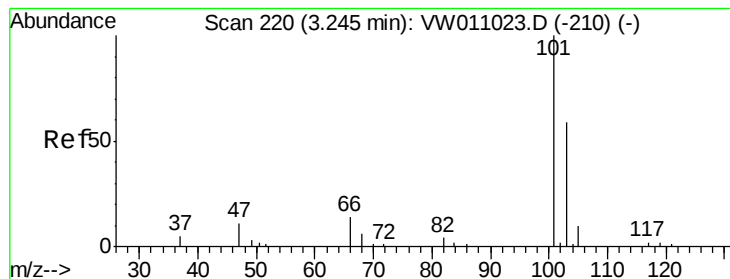
Tgt Ion: 64 Resp: 76338

Ion Ratio Lower Upper

64 100

66 32.2 25.7 38.5



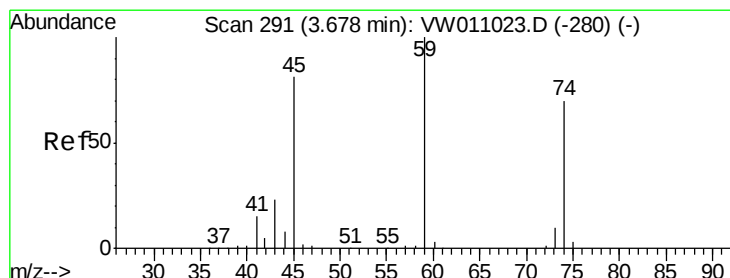
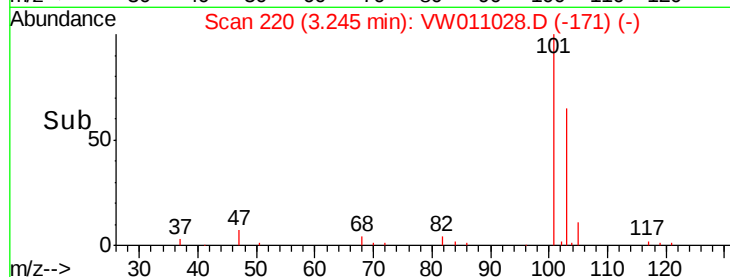
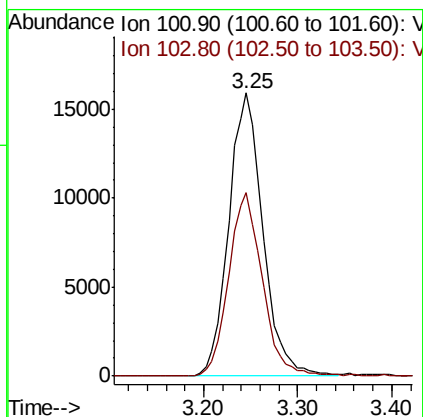
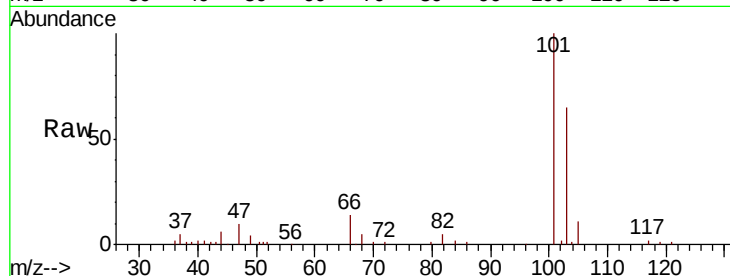


#7

Trichlorofluoromethane
 Concen: 47.173 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VW011028.D
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 VSTDCCC050

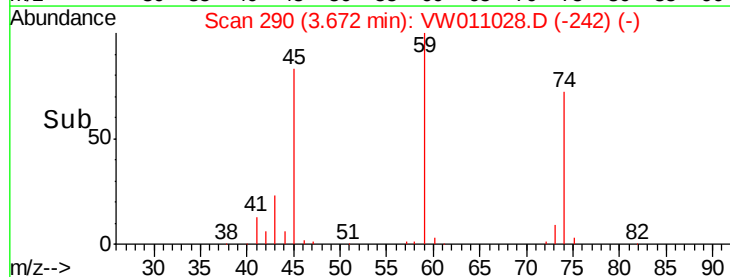
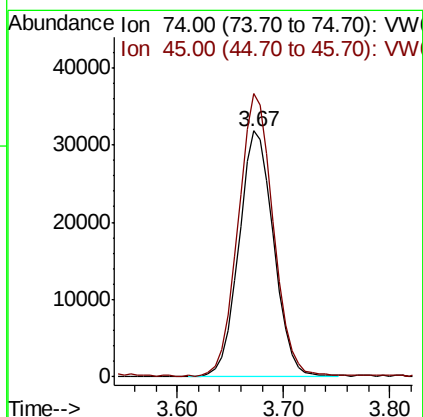
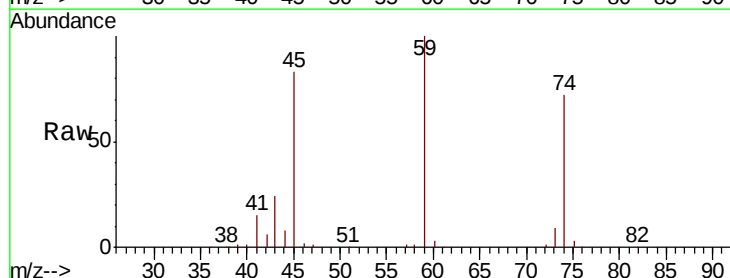
Tot Ion:101 Resp: 40073
 Ion Ratio Lower Upper
 101 100
 103 65.0 47.5 71.3

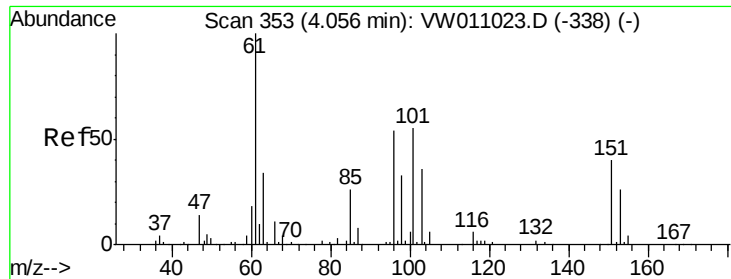


#8

Diethyl Ether
 Concen: 54.185 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion: 74 Resp: 72899
 Ion Ratio Lower Upper
 74 100
 45 115.7 59.5 178.5

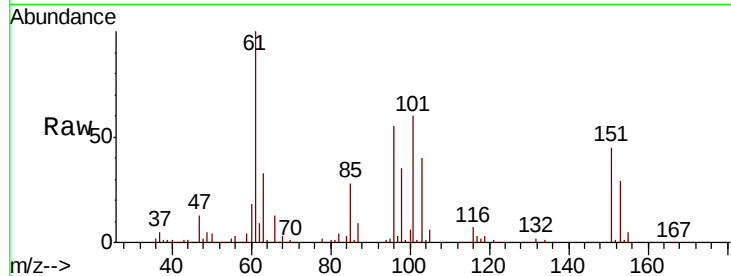




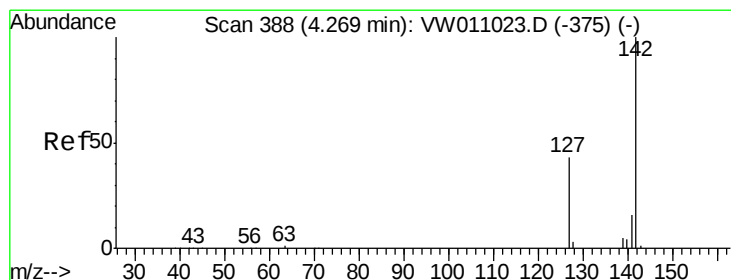
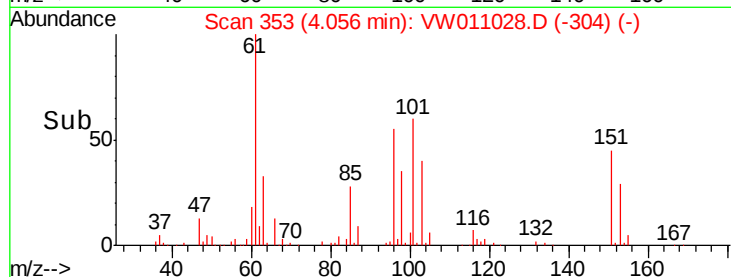
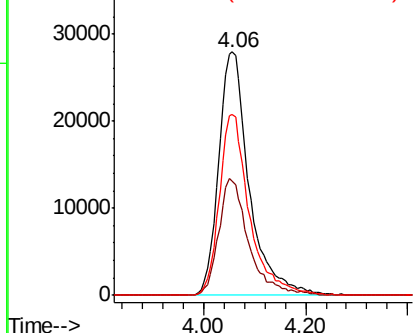
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.593 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

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Tot Ion:101 Resp: 116096
 Ion Ratio Lower Upper
 101 100
 85 47.2 36.6 55.0
 151 73.2 58.9 88.3

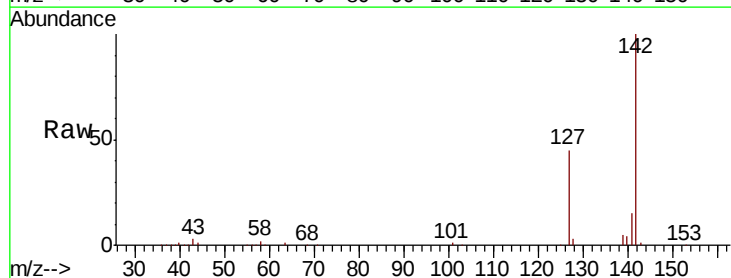


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

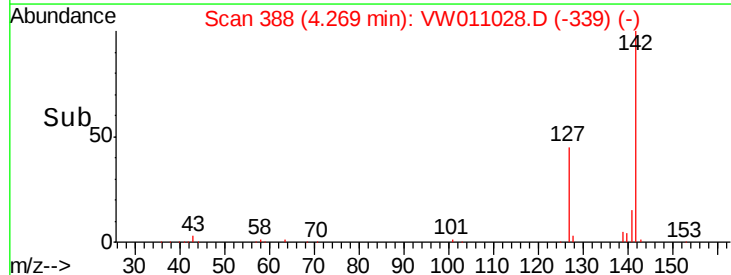
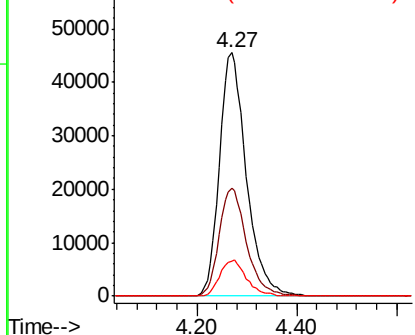


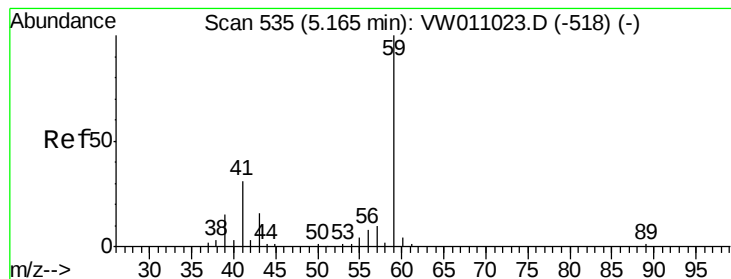
#10
 Methyl Iodide
 Concen: 50.999 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion:142 Resp: 170474
 Ion Ratio Lower Upper
 142 100
 127 45.2 35.8 53.8
 141 14.8 12.2 18.2



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



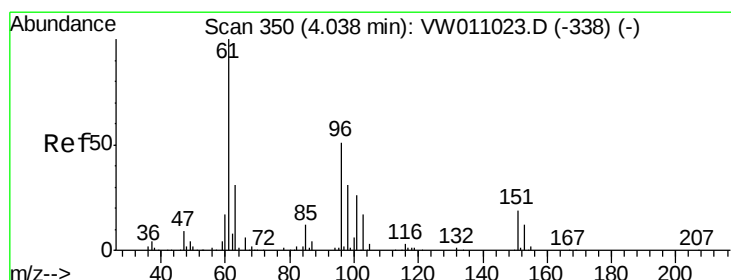
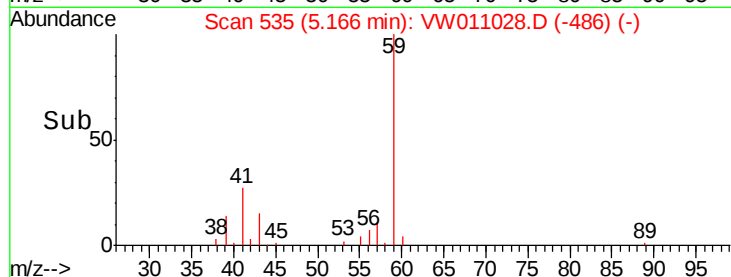
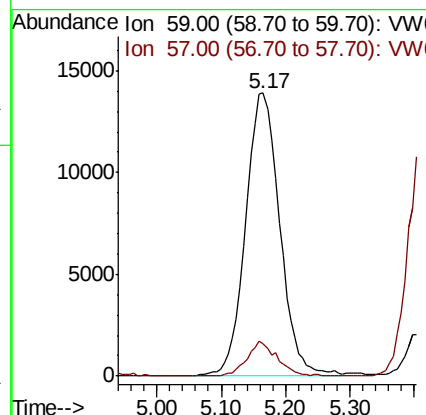
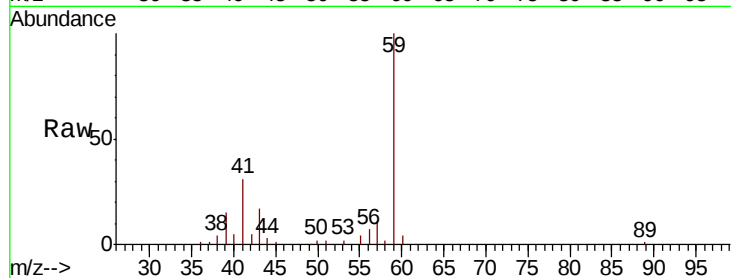


#11

Tert butyl alcohol
 Concen: 244.023 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

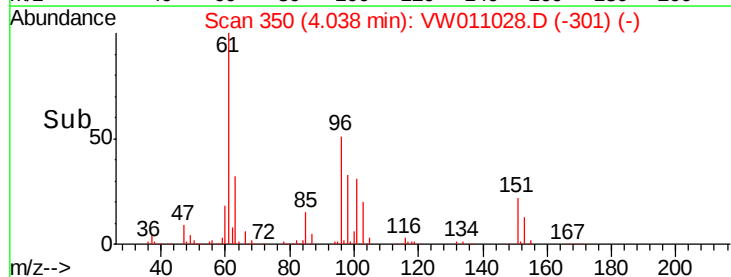
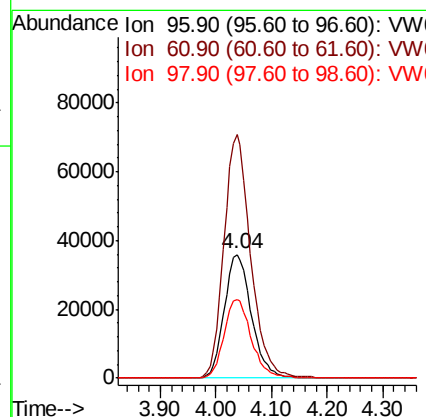
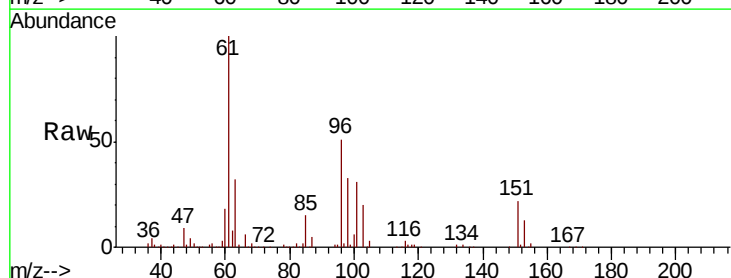
Tot Ion: 59 Resp: 50900
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.0 13.4

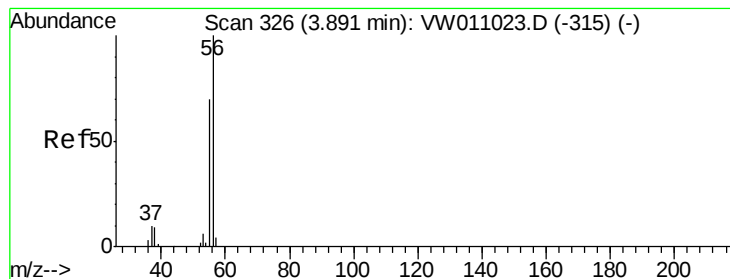


#12

1,1-Dichloroethene
 Concen: 48.798 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion: 96 Resp: 121353
 Ion Ratio Lower Upper
 96 100
 61 196.9 156.0 234.0
 98 64.0 48.7 73.1





#13

Acrolein

Concen: 222.800 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

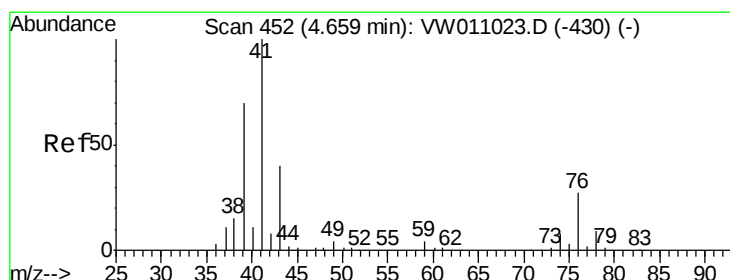
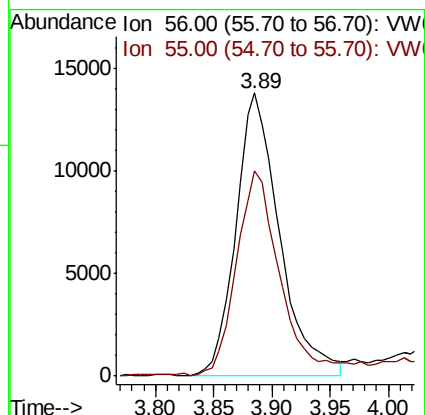
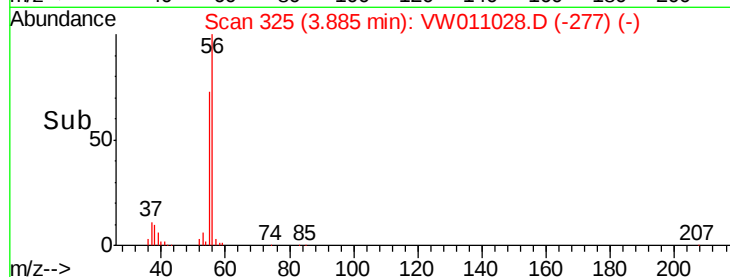
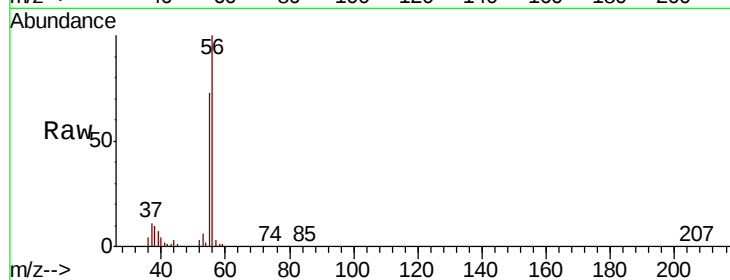
VSTDCCC050

Tot Ion: 56 Resp: 36240

Ion Ratio Lower Upper

56 100

55 71.9 55.7 83.5



#14

Allyl chloride

Concen: 50.373 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

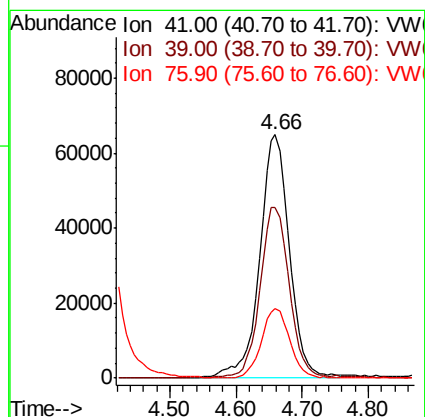
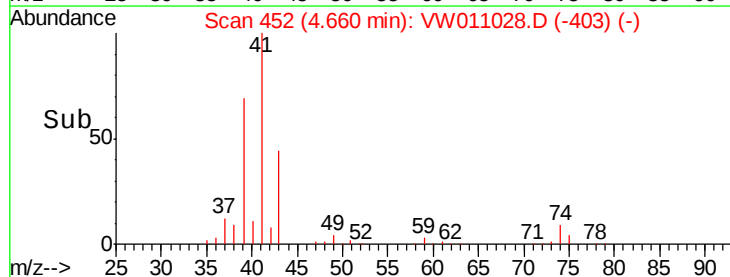
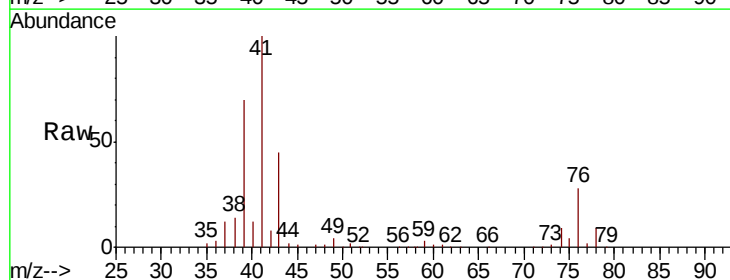
Tgt Ion: 41 Resp: 201620

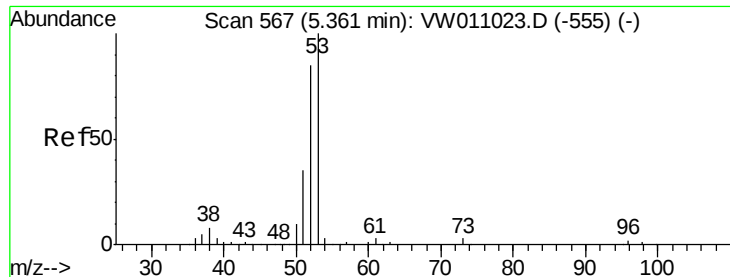
Ion Ratio Lower Upper

41 100

39 69.6 55.4 83.2

76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 267.082 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

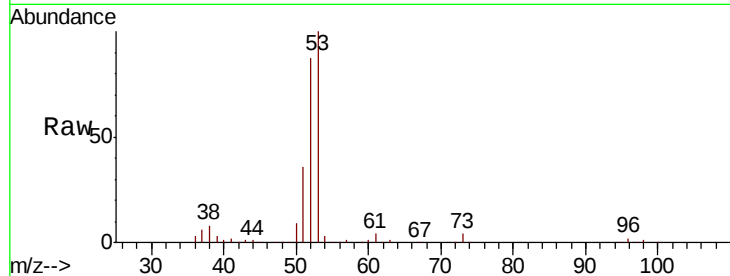
Tot Ion: 53 Resp: 176945

Ion Ratio Lower Upper

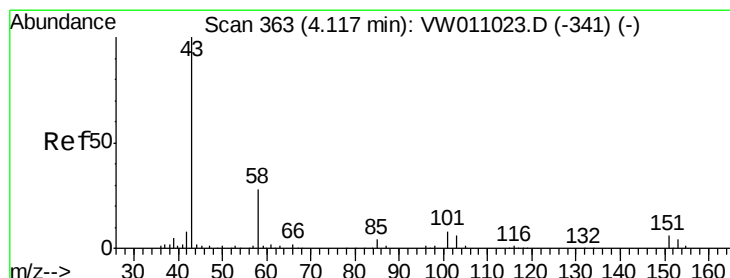
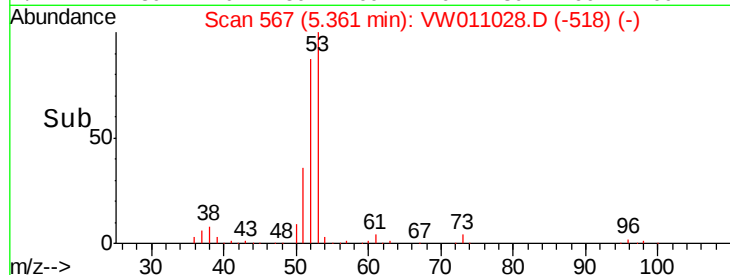
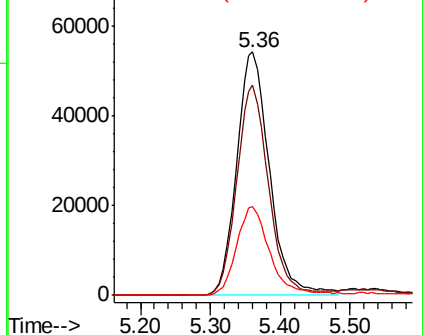
53 100

52 83.2 66.3 99.5

51 37.2 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 262.228 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011028.D

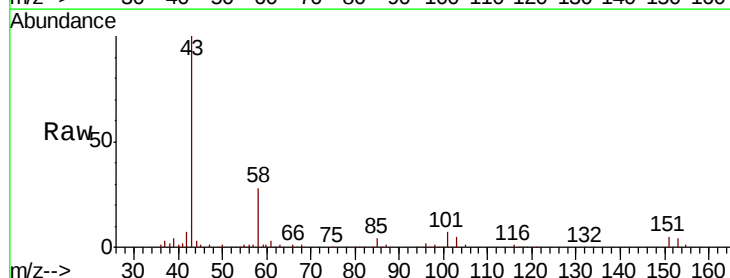
Acq: 27 Jun 2019 20:25

Tgt Ion: 43 Resp: 183831

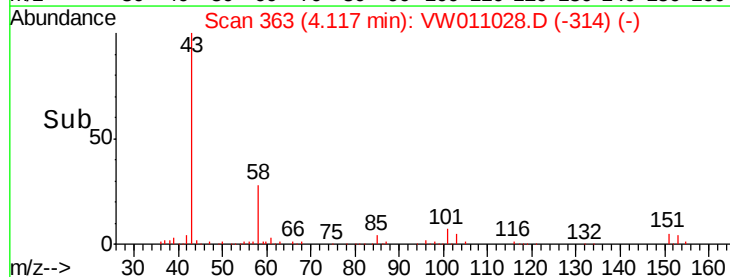
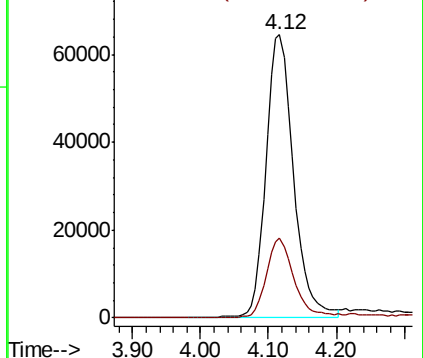
Ion Ratio Lower Upper

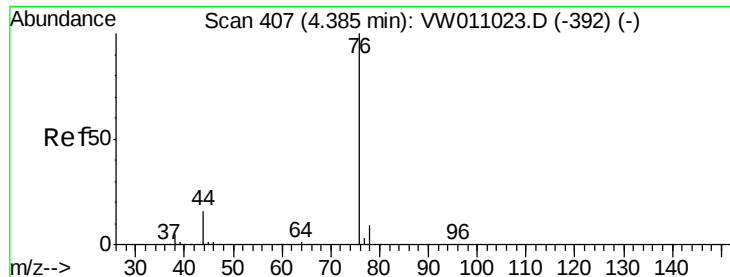
43 100

58 28.0 22.5 33.7



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

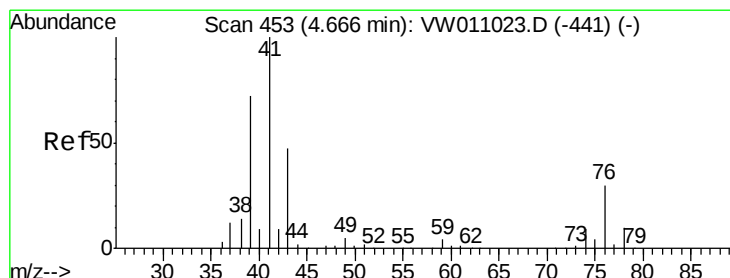
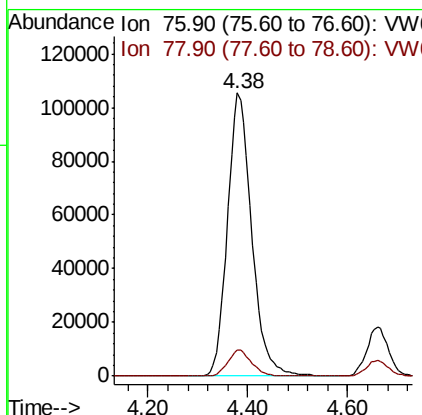
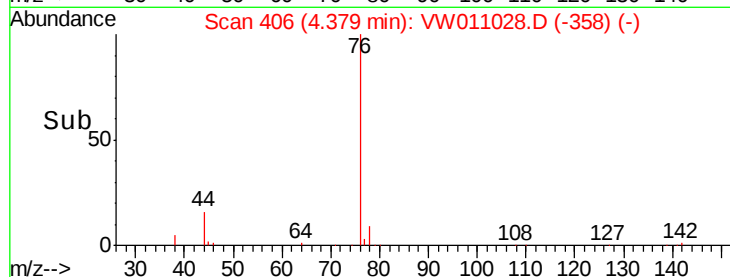
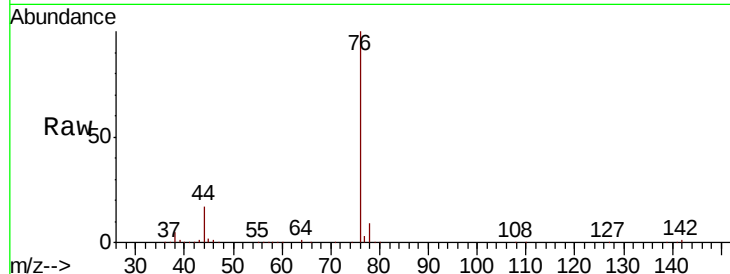




#17
Carbon Disulfide
Concen: 50.481 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

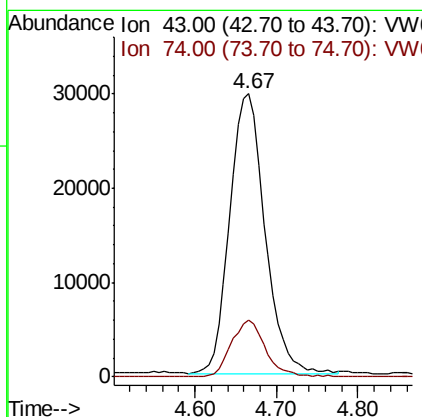
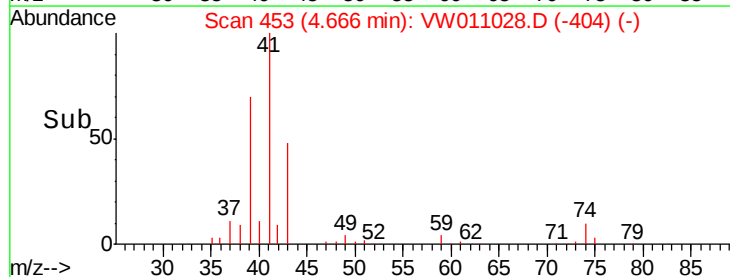
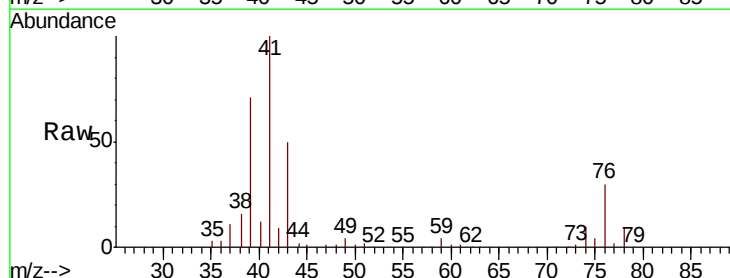
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

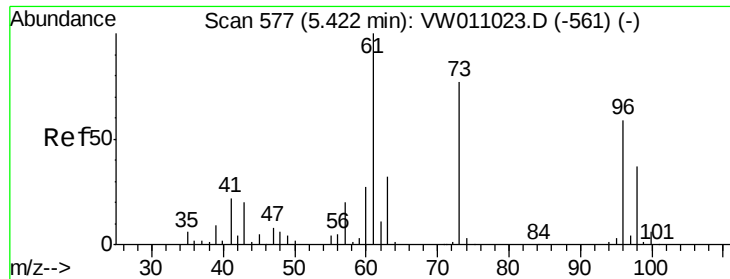
Tot Ion: 76 Resp: 356152
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 48.700 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 43 Resp: 88436
Ion Ratio Lower Upper
43 100
74 19.6 15.8 23.8

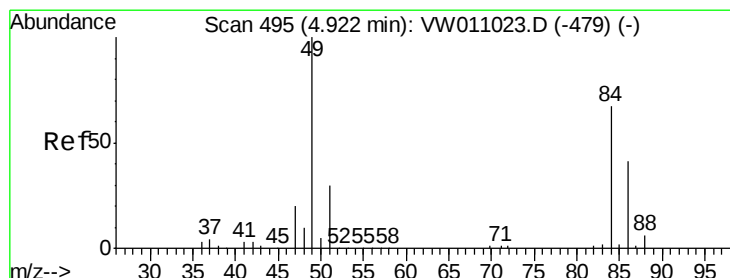
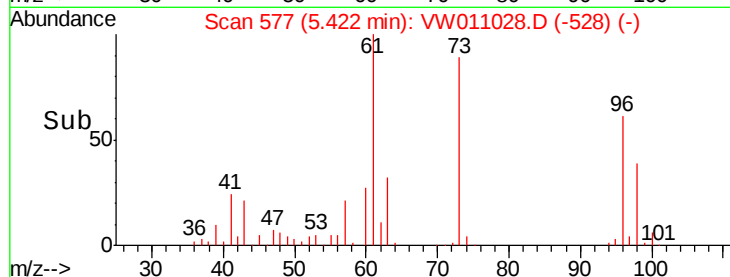
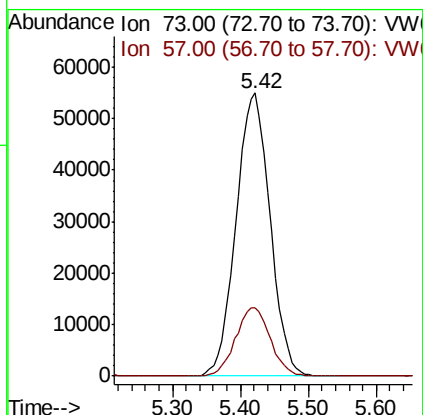
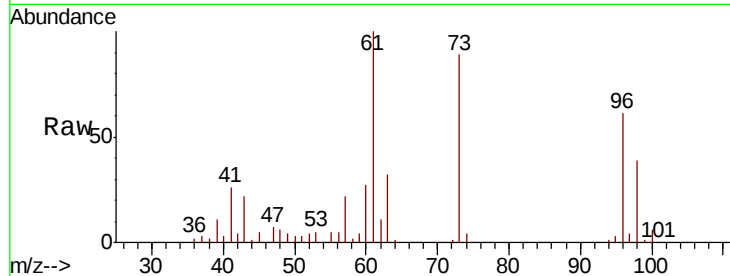




#19
Methvl tert-butvl Ether
Concen: 54.238 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

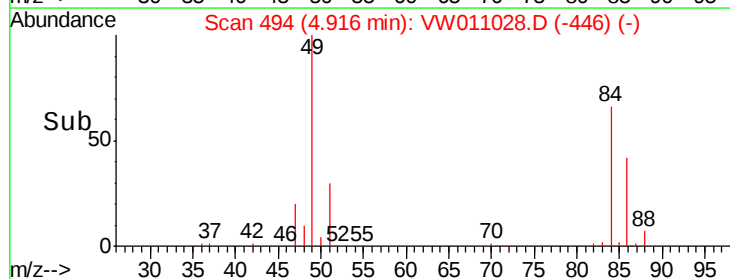
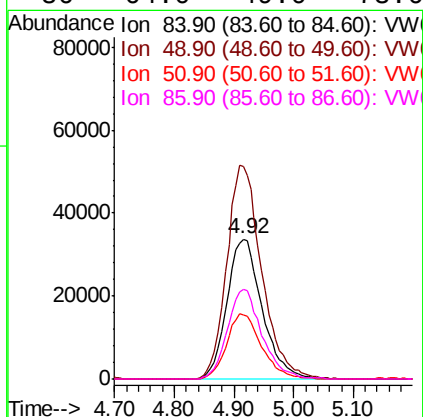
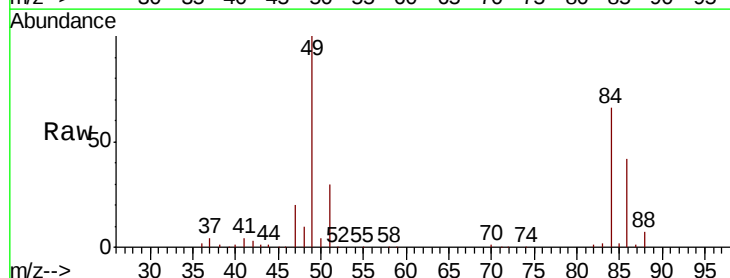
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

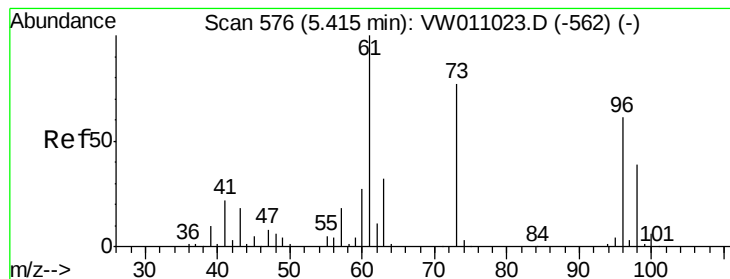
Tot Ion: 73 Resp: 190909
Ion Ratio Lower Upper
73 100
57 24.3 20.8 31.2



#20
Methylene Chloride
Concen: 48.559 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 84 Resp: 138311
Ion Ratio Lower Upper
84 100
49 152.5 119.6 179.4
51 45.6 35.6 53.4
86 64.0 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 50.851 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

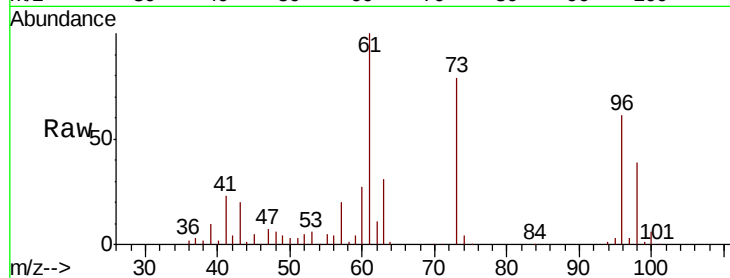
Tot Ion: 96 Resp: 130310

Ion Ratio Lower Upper

96 100

61 164.6 131.0 196.4

98 63.5 50.8 76.2

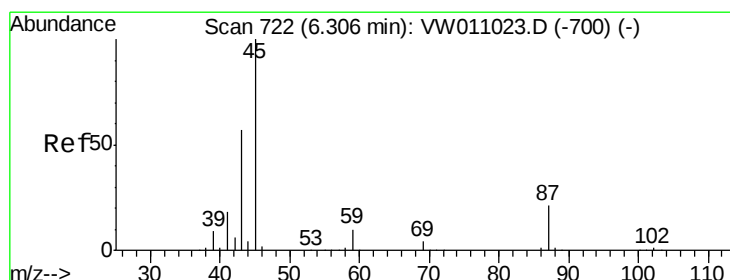
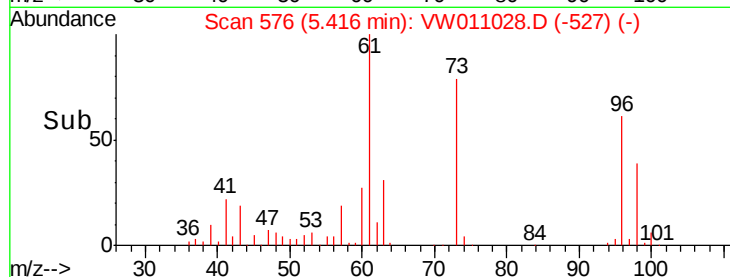
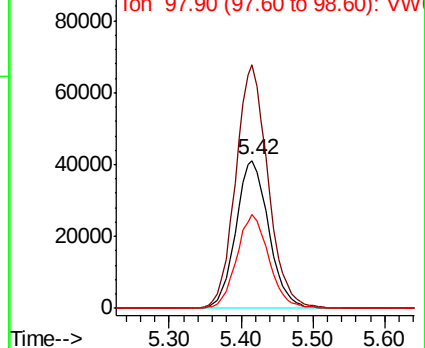


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 53.267 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion: 45 Resp: 513058

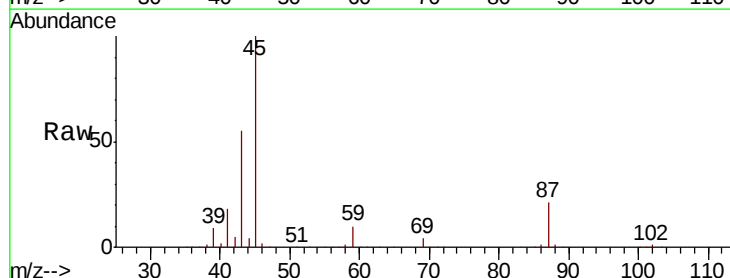
Ion Ratio Lower Upper

45 100

43 55.2 45.8 68.6

87 21.3 17.1 25.7

59 10.3 8.2 12.4



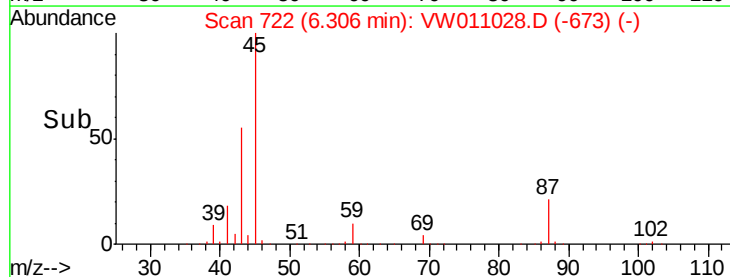
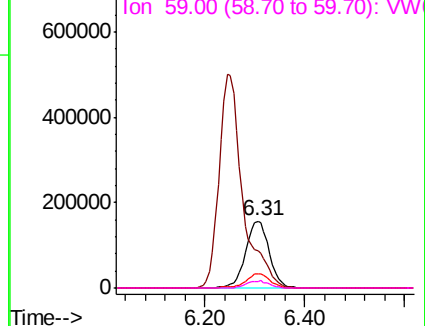
Abundance

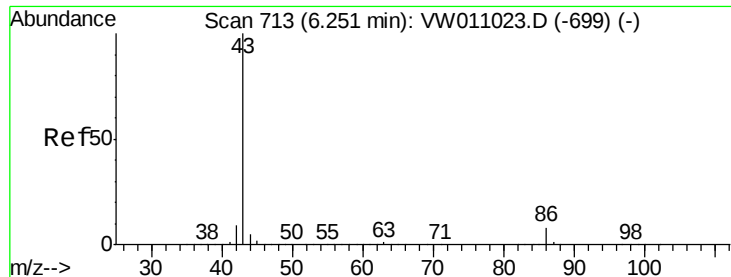
Ion 45.00 (44.70 to 45.70): VW

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: 276.723 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

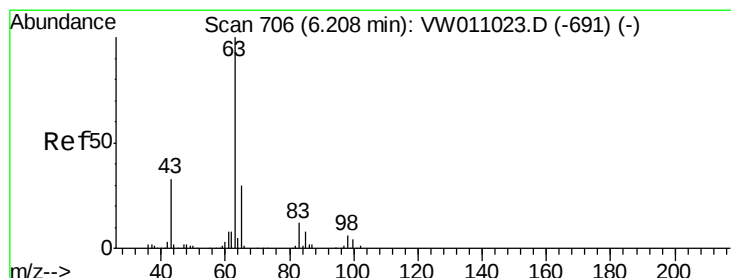
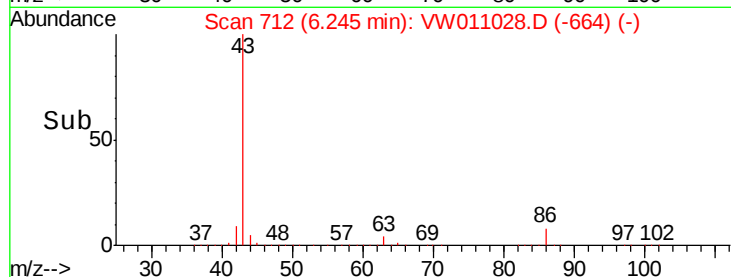
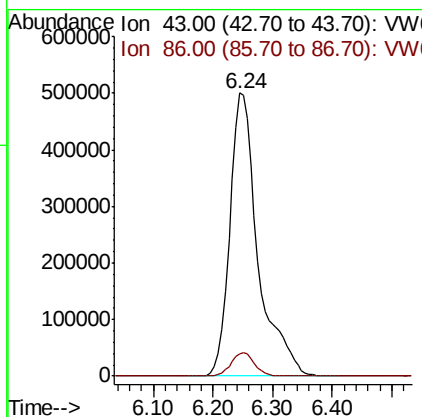
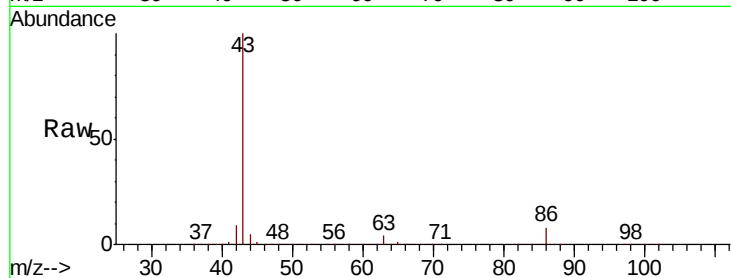
VSTDCCC050

Tot Ion: 43 Resp: 1642289

Ion Ratio Lower Upper

43 100

86 8.0 6.6 10.0



#24

1,1-Dichloroethane

Concen: 51.752 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

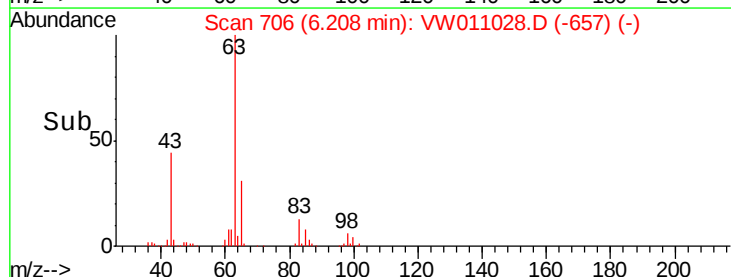
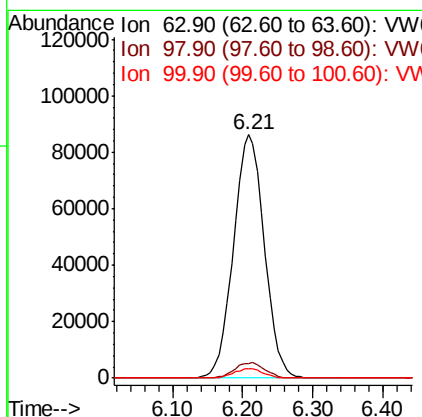
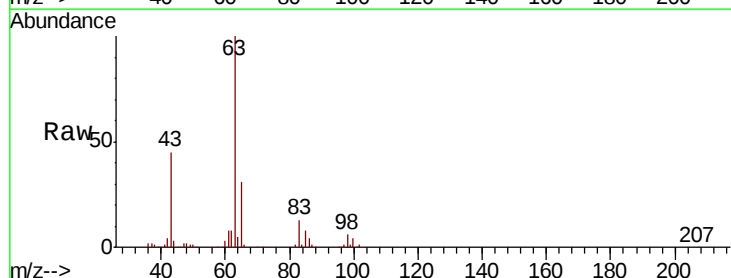
Tgt Ion: 63 Resp: 263116

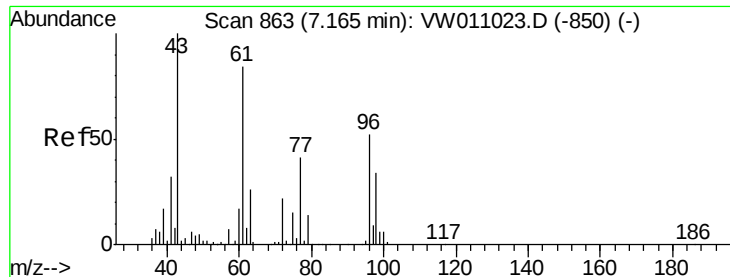
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.4

100 3.8 2.1 6.2

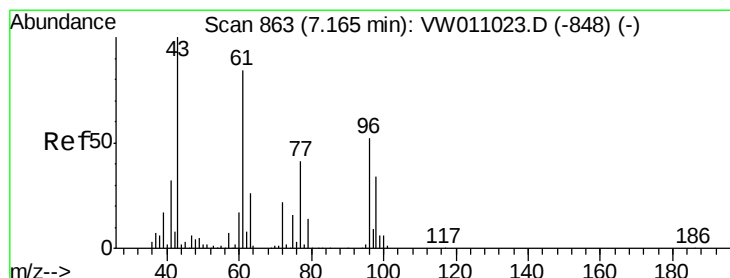
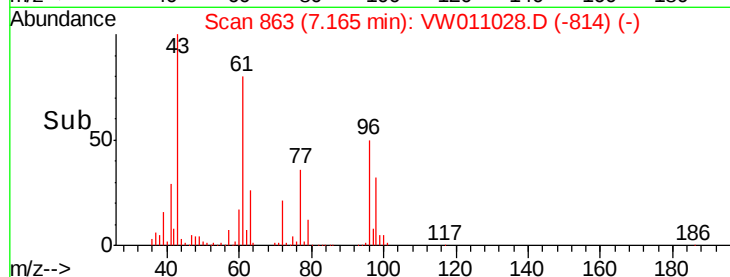
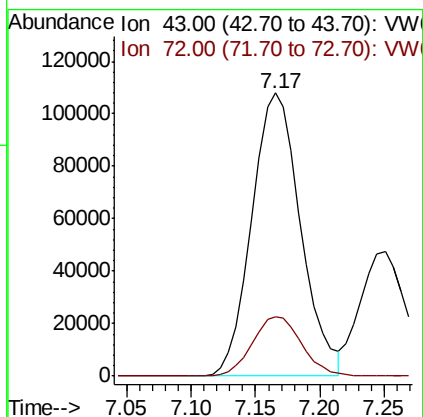
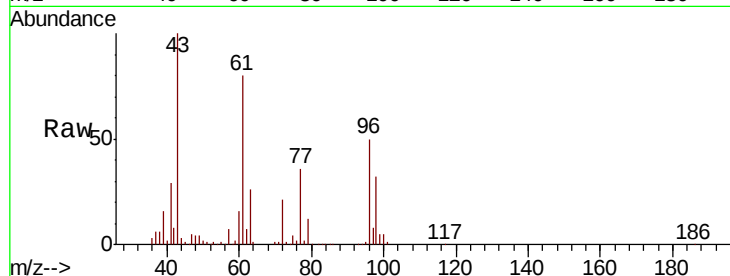




#25
2-Butanone
Concen: 265.927 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

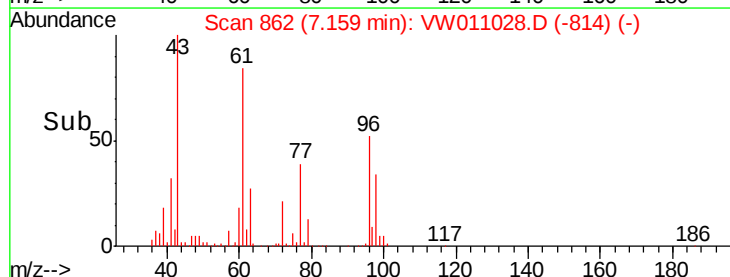
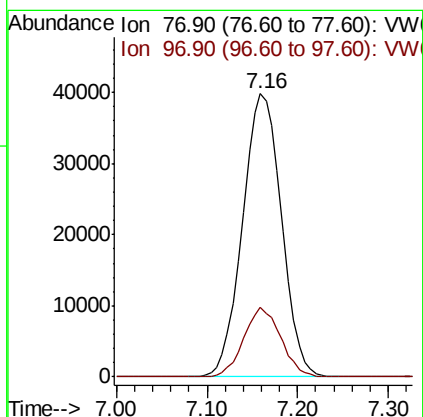
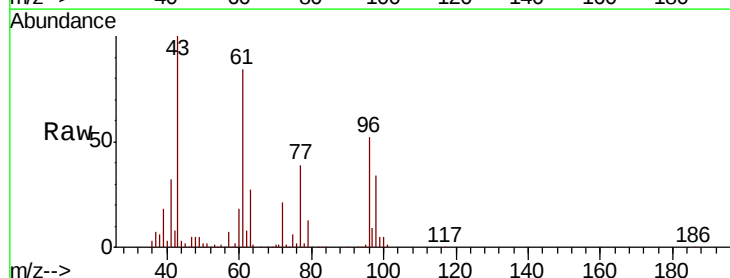
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

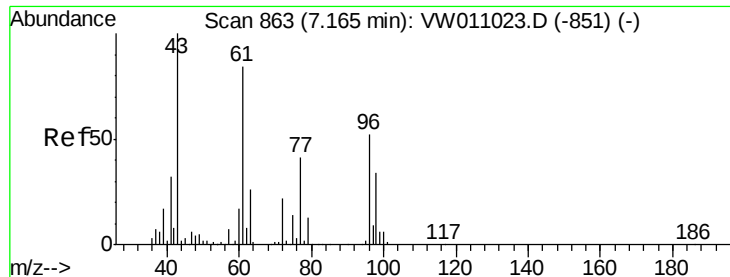
Tot Ion: 43 Resp: 283372
Ion Ratio Lower Upper
43 100
72 20.8 17.2 25.8



#26
2,2-Dichloropropane
Concen: 44.839 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 77 Resp: 118362
Ion Ratio Lower Upper
77 100
97 23.3 10.9 32.7



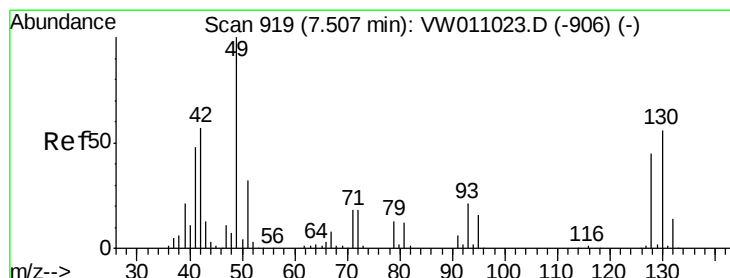
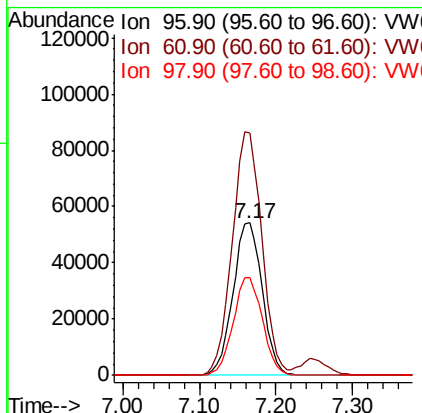
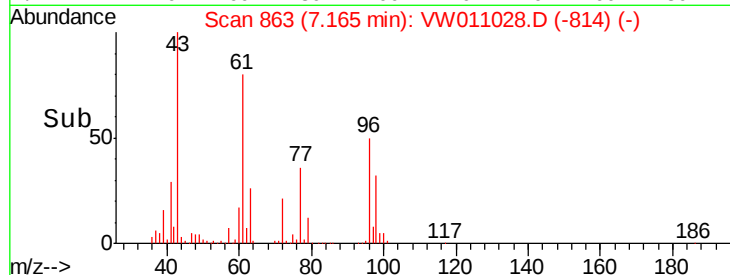
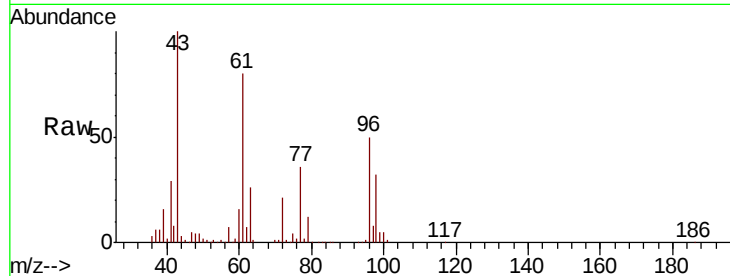


#27

cis-1,2-Dichloroethene
Concen: 52.058 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

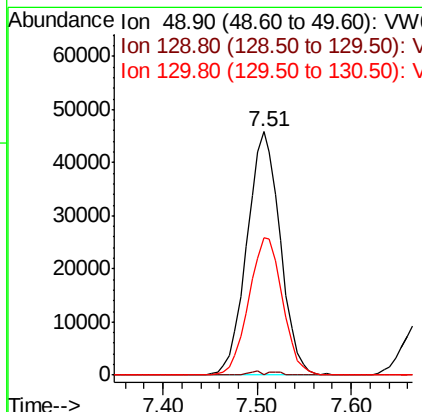
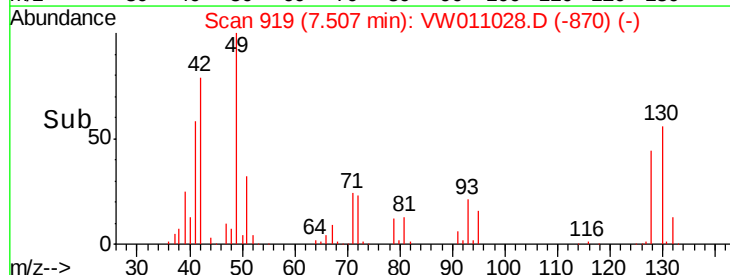
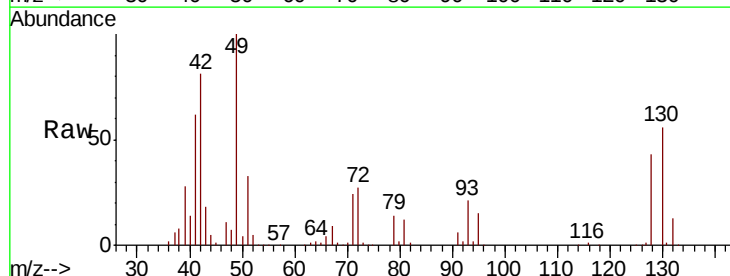
Tot Ion: 96 Resp: 143638
Ion Ratio Lower Upper
96 100
61 161.6 0.0 330.4
98 63.7 0.0 129.4

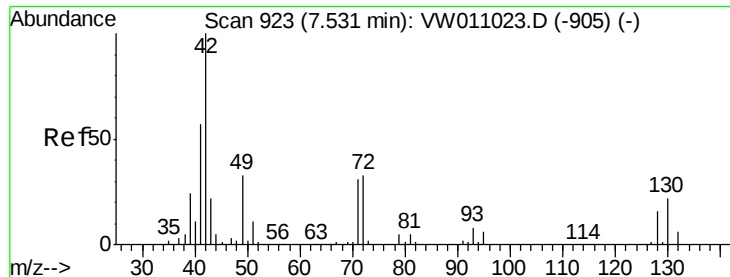


#28

Bromochloromethane
Concen: 47.748 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 49 Resp: 113011
Ion Ratio Lower Upper
49 100
129 0.6 0.0 3.4
130 57.4 46.1 69.1





#29

Tetrahydrofuran

Concen: 267.500 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

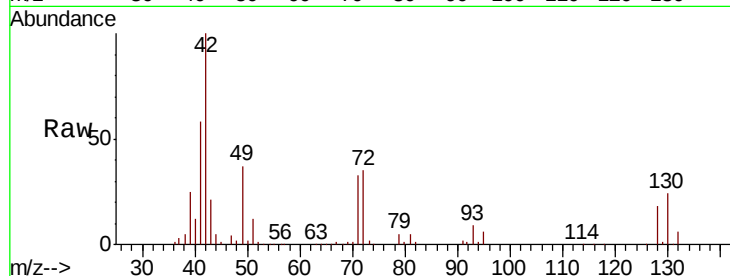
Tot Ion: 42 Resp: 177445

Ion Ratio Lower Upper

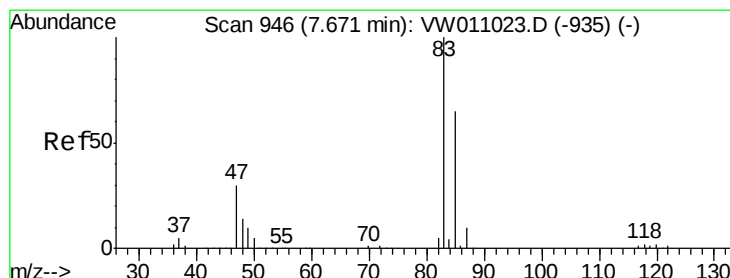
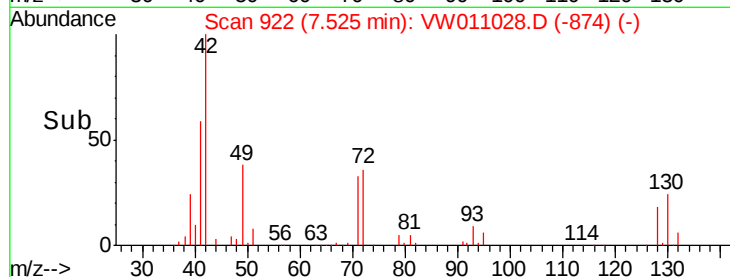
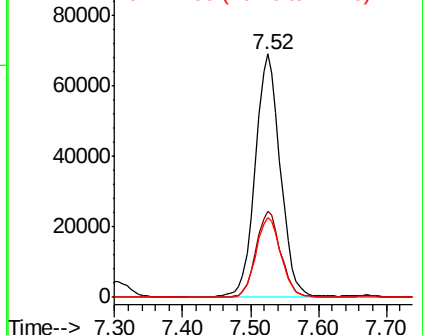
42 100

72 34.9 27.4 41.0

71 32.9 25.6 38.4



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: 51.417 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011028.D

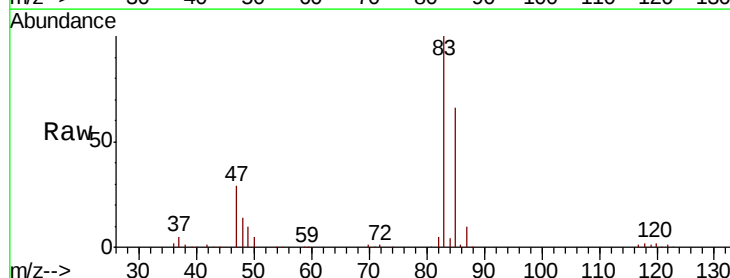
Acq: 27 Jun 2019 20:25

Tgt Ion: 83 Resp: 237491

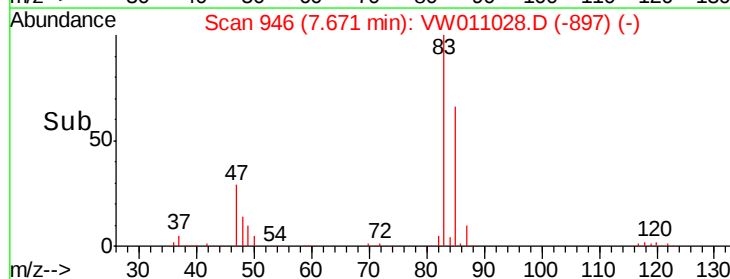
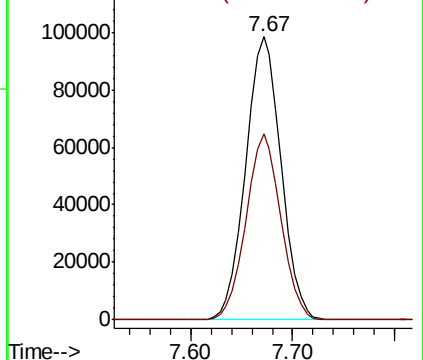
Ion Ratio Lower Upper

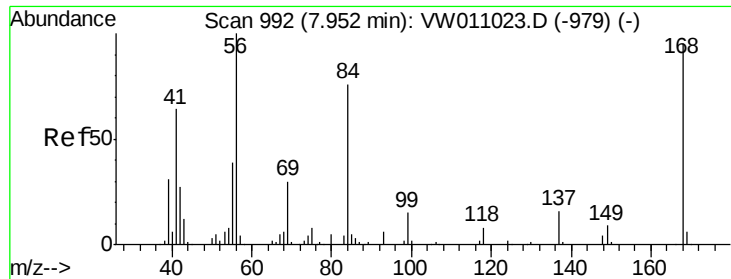
83 100

85 65.7 52.2 78.4



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

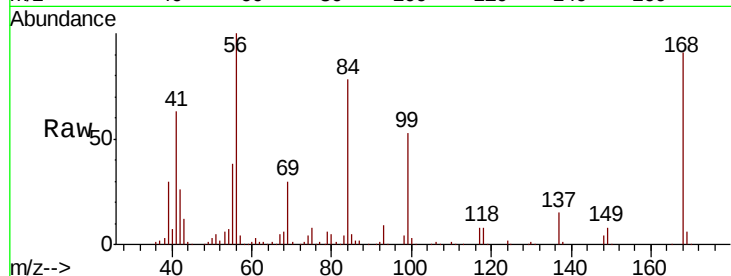




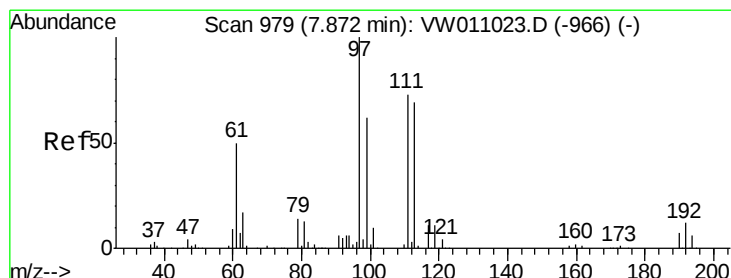
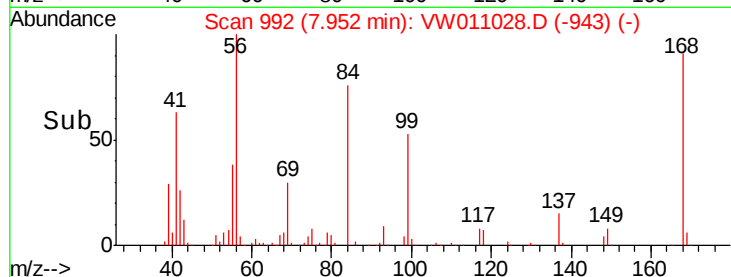
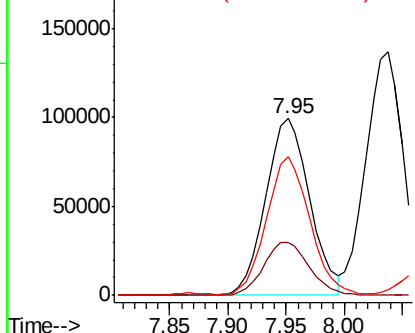
#31
Cyclohexane
Concen: 47.575 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 261359
Ion Ratio Lower Upper
56 100
69 30.0 24.2 36.2
84 76.9 60.6 90.8

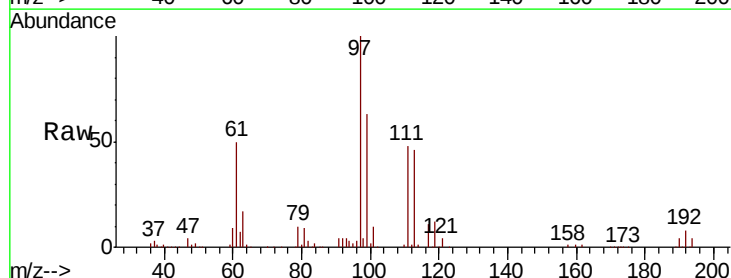


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

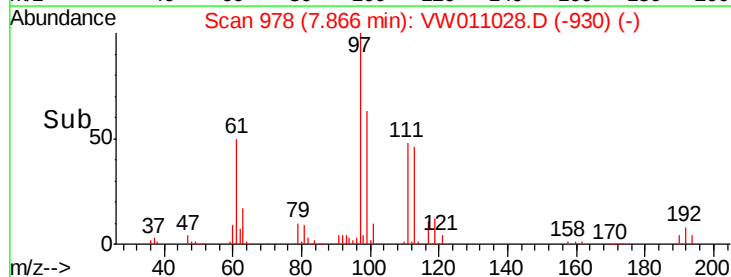
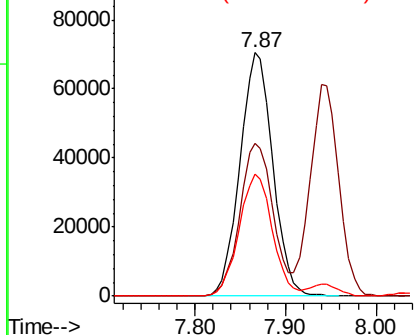


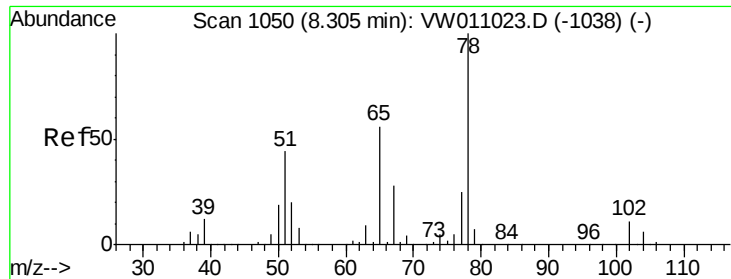
#32
1,1,1-Trichloroethane
Concen: 51.207 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 97 Resp: 176742
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 50.7 41.4 62.2



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

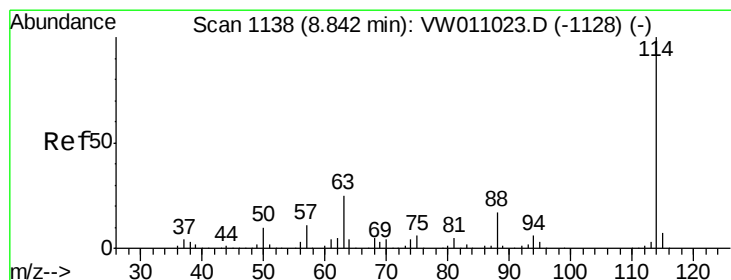
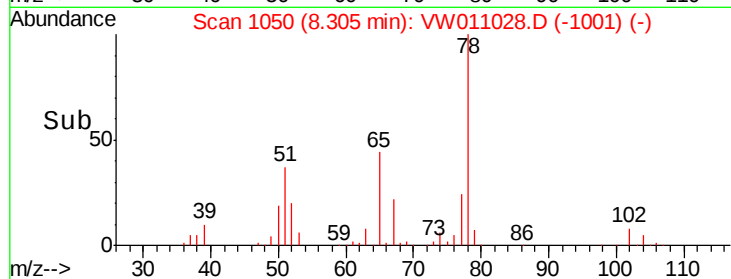
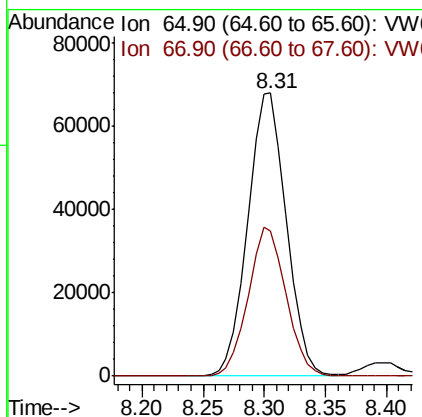
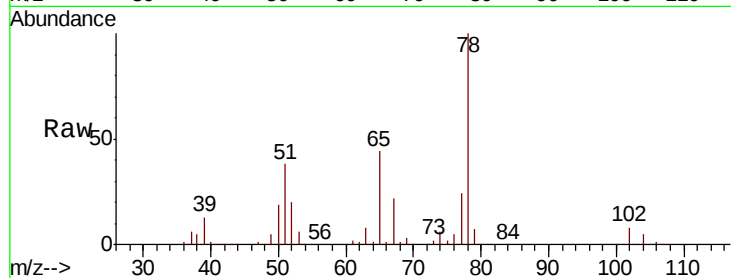




#33
 1,2-Dichloroethane-d4
 Concen: 51.845 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

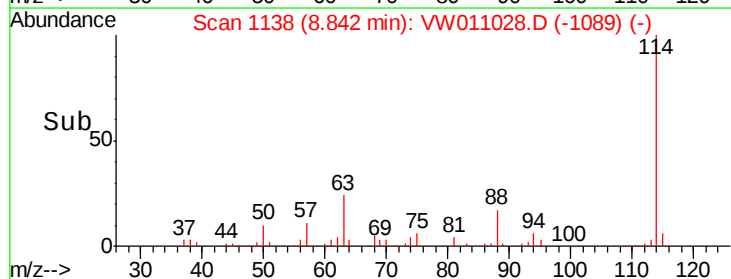
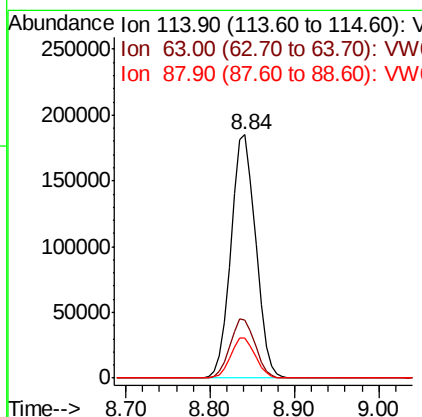
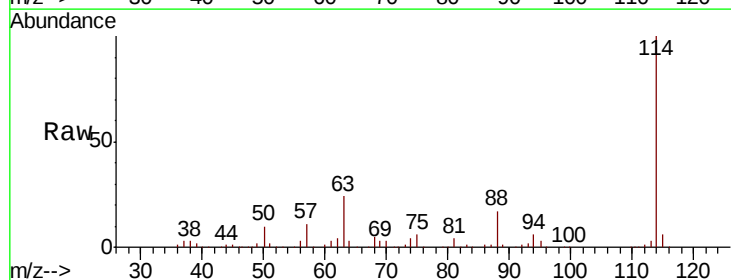
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

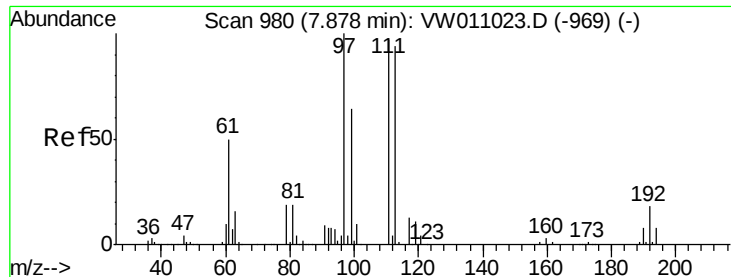
Tot Ion: 65 Resp: 148897
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion: 114 Resp: 367968
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 50.6
 88 16.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.758 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

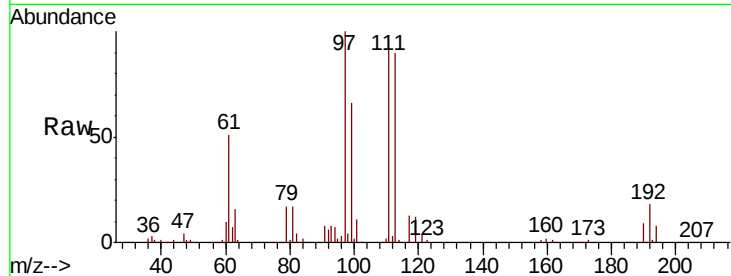
Tot Ion:113 Resp: 116299

Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

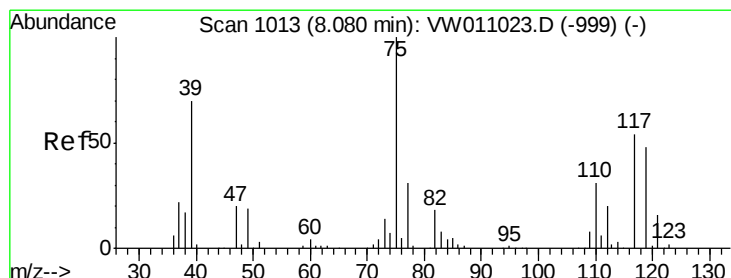
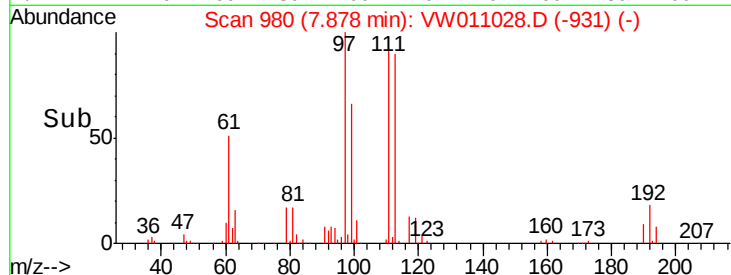
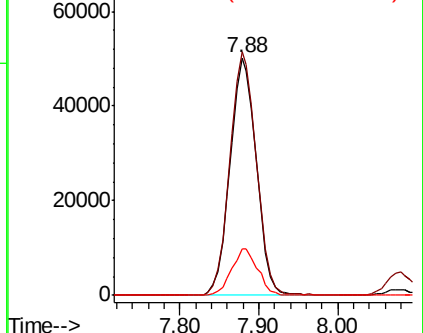
192 19.5 16.0 24.0



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: 49.222 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

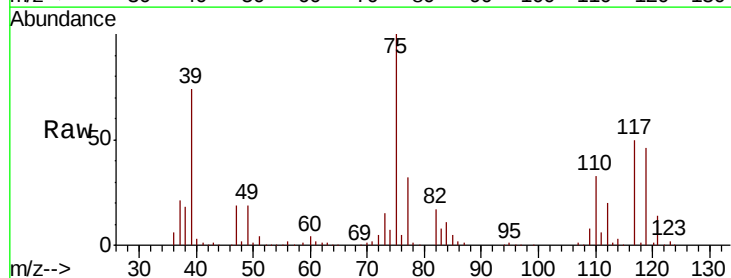
Tgt Ion: 75 Resp: 194672

Ion Ratio Lower Upper

75 100

110 31.4 15.5 46.5

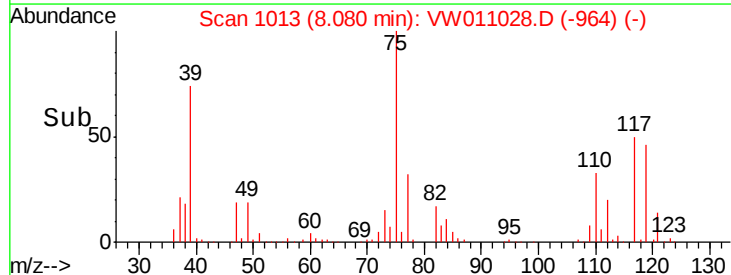
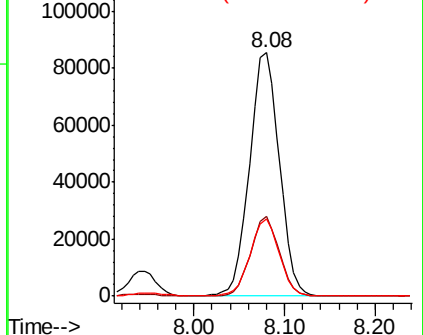
77 31.1 24.9 37.3

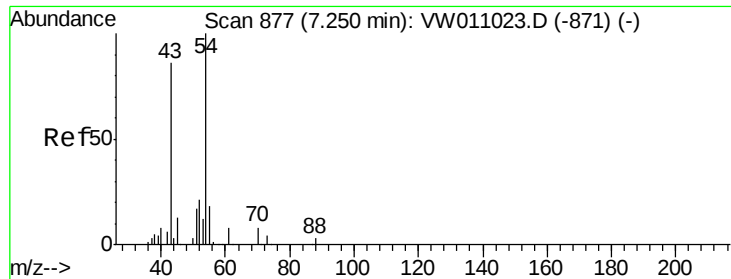


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

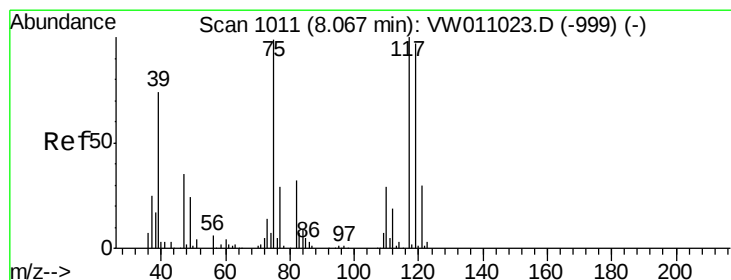
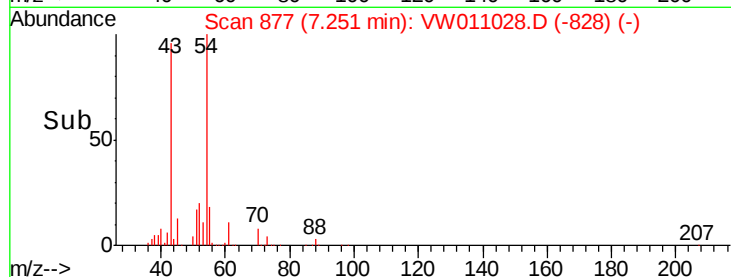
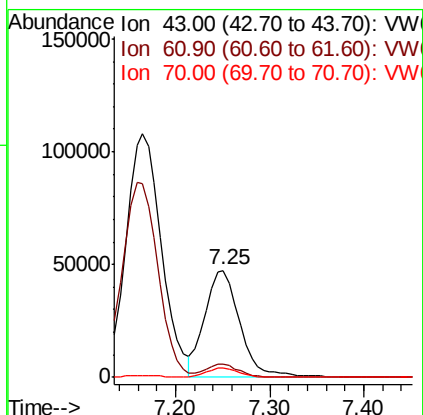
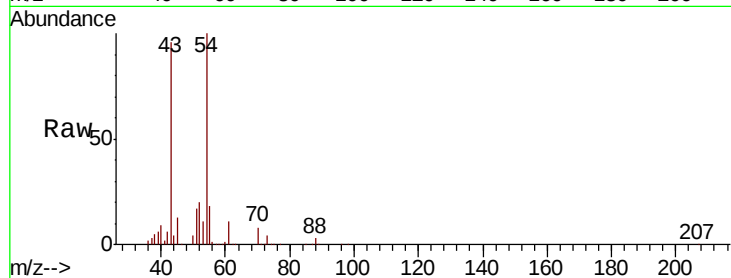




#37
Ethyl Acetate
Concen: 52.480 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

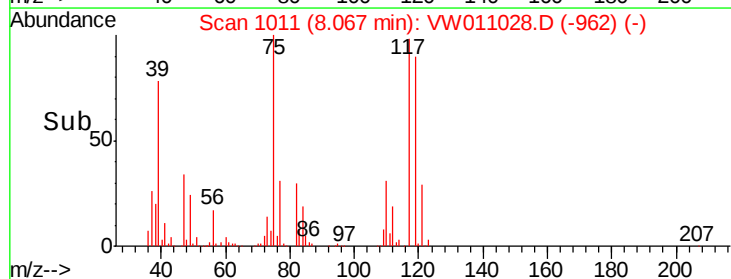
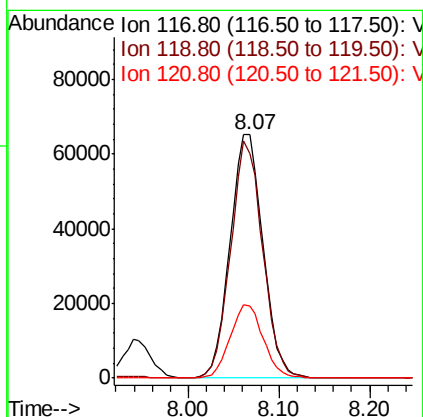
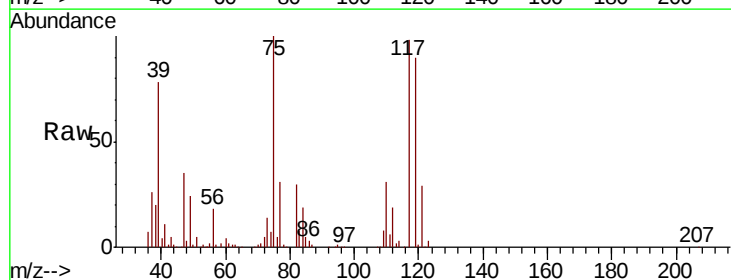
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

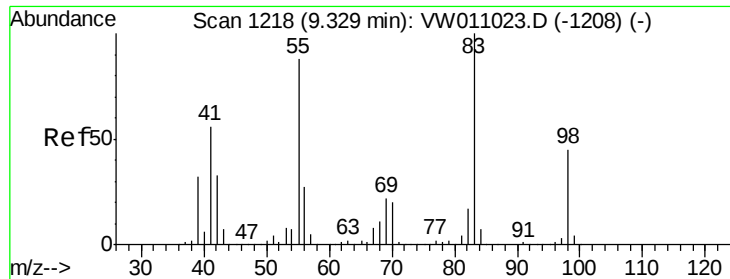
Tot Ion: 43 Resp: 120745
Ion Ratio Lower Upper
43 100
61 11.9 9.0 13.4
70 8.3 7.2 10.8



#38
Carbon Tetrachloride
Concen: 50.413 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 117 Resp: 164197
Ion Ratio Lower Upper
117 100
119 92.0 77.7 116.5
121 29.7 23.9 35.9

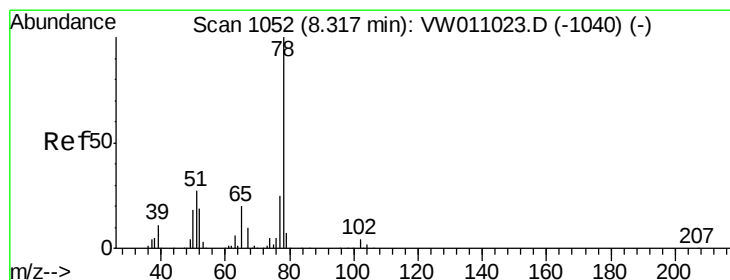
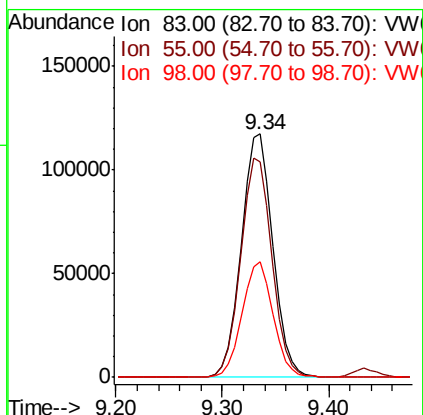
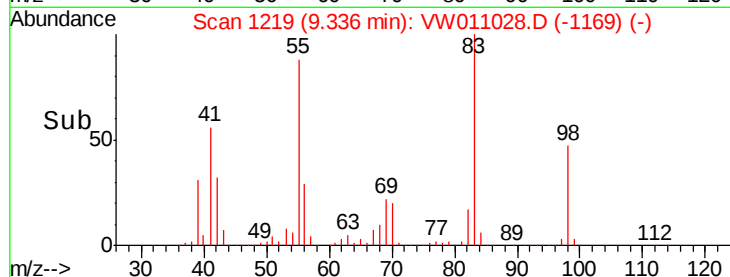
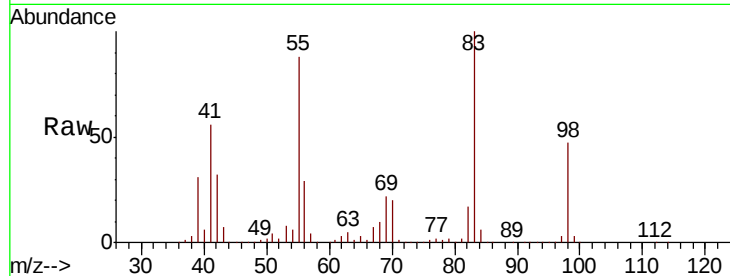




#39
Methvlcvclohexane
Concen: 50.246 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

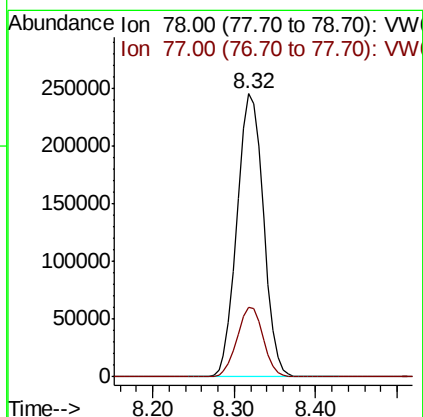
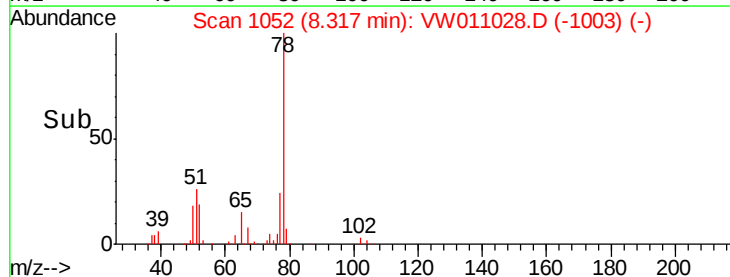
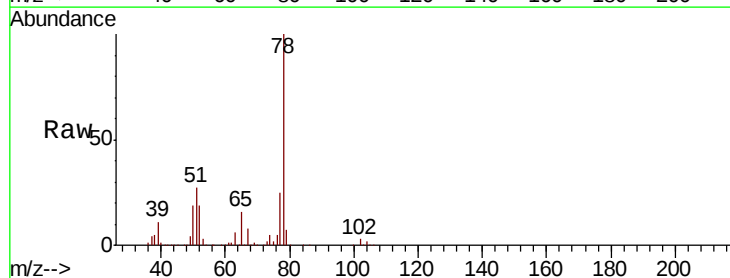
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

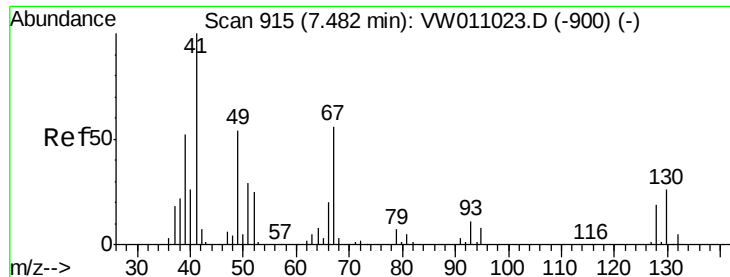
Tot Ion: 83 Resp: 244561
Ion Ratio Lower Upper
83 100
55 88.3 70.7 106.1
98 47.4 36.4 54.6



#40
Benzene
Concen: 50.571 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 78 Resp: 550110
Ion Ratio Lower Upper
78 100
77 24.6 19.7 29.5





#41

Methacrylonitrile

Concen: 48.446 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 67816

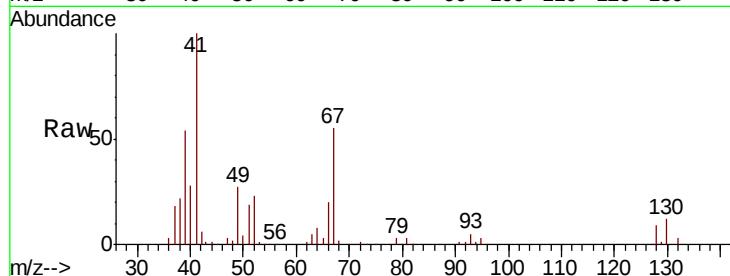
Ion Ratio Lower Upper

41 100

39 61.7 42.1 63.1

67 61.4 44.2 66.2

52 27.8 21.0 31.6

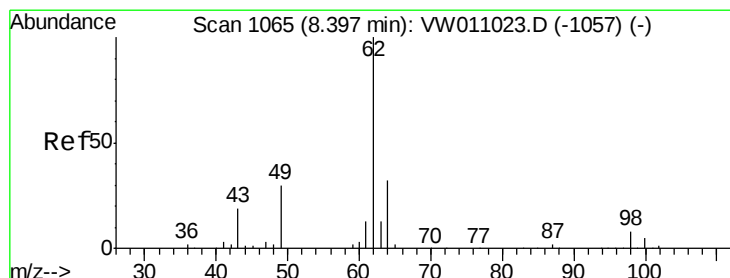
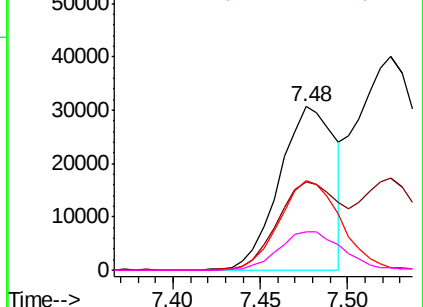
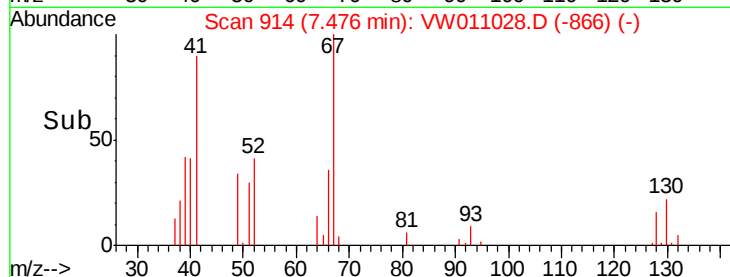


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 51.328 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011028.D

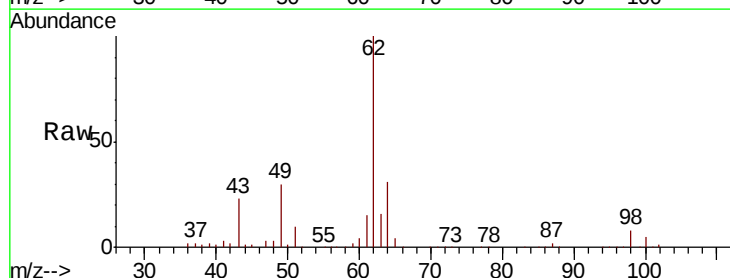
Acq: 27 Jun 2019 20:25

Tgt Ion: 62 Resp: 183069

Ion Ratio Lower Upper

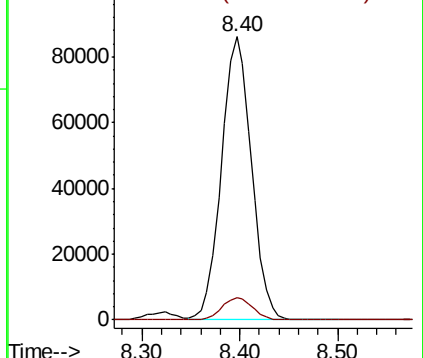
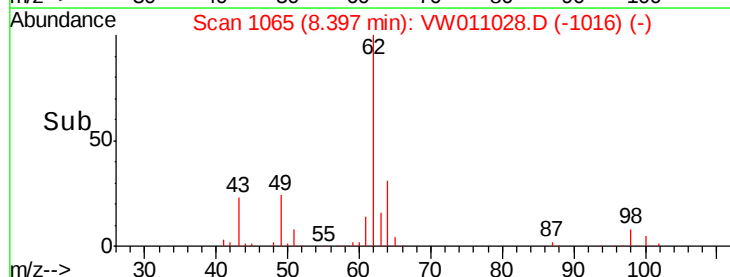
62 100

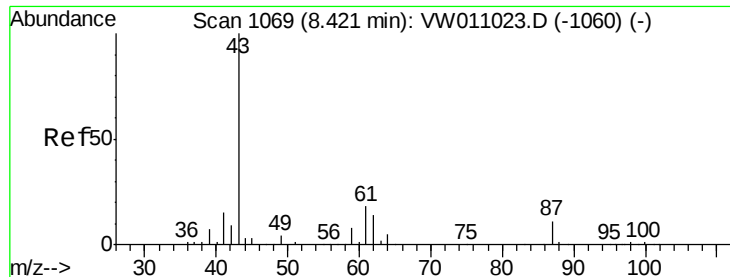
98 8.0 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.775 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

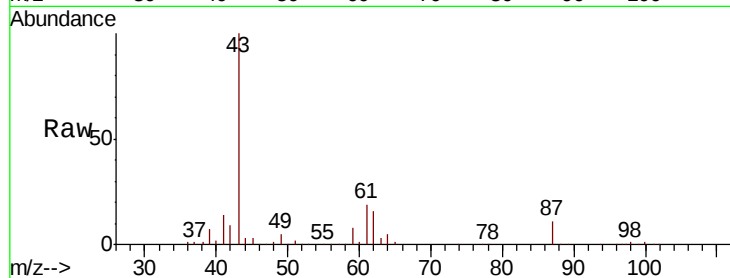
Tot Ion: 43 Resp: 234056

Ion Ratio Lower Upper

43 100

61 25.9 21.0 31.6

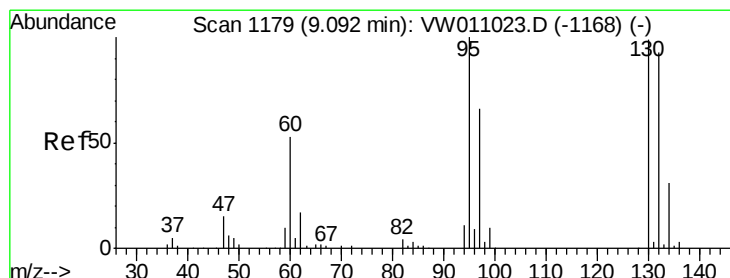
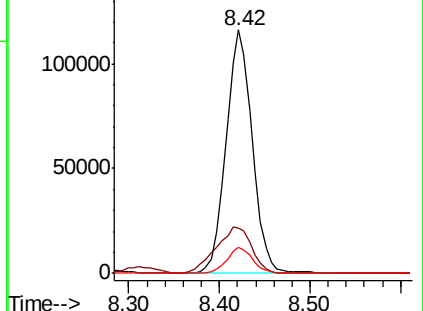
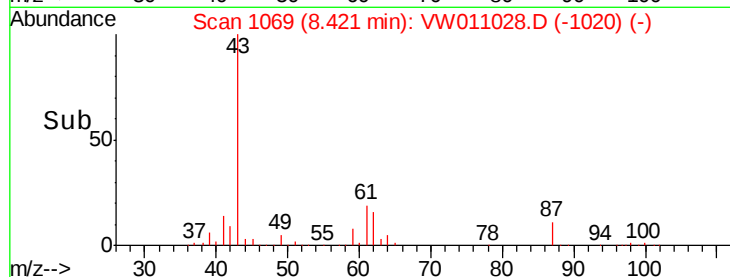
87 10.5 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 49.684 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011028.D

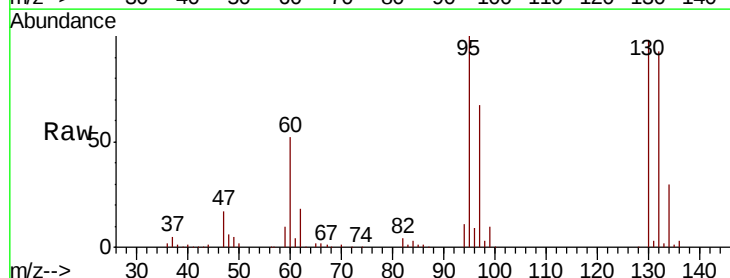
Acq: 27 Jun 2019 20:25

Tgt Ion:130 Resp: 130616

Ion Ratio Lower Upper

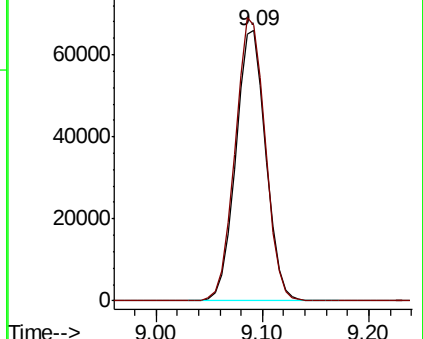
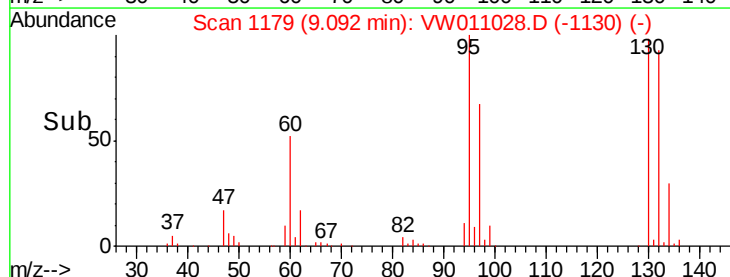
130 100

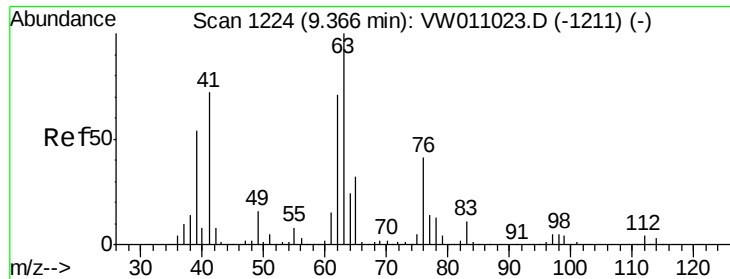
95 102.0 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

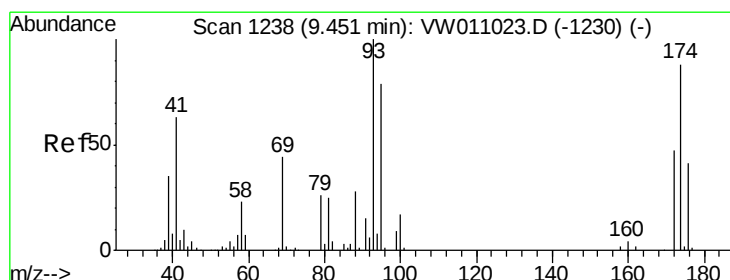
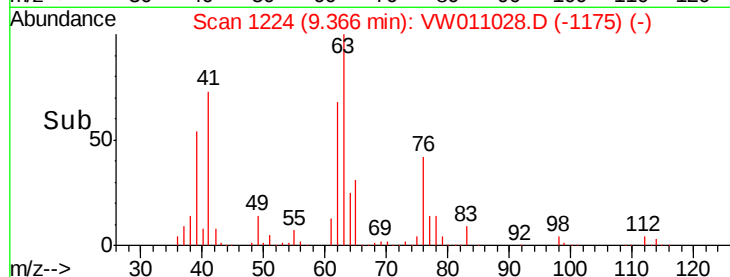
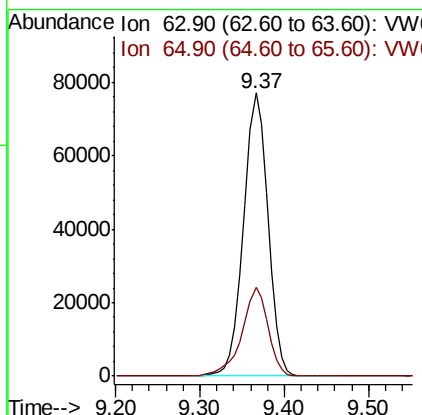
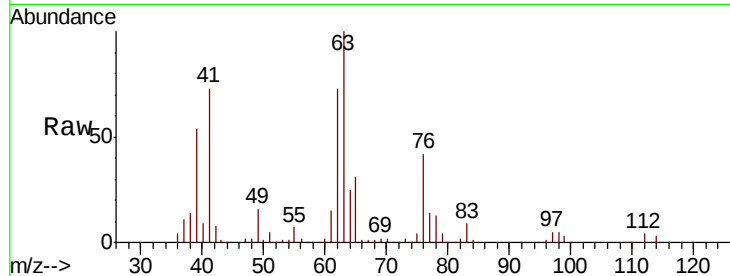




#45
 1,2-Dichloropropane
 Concen: 50.838 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

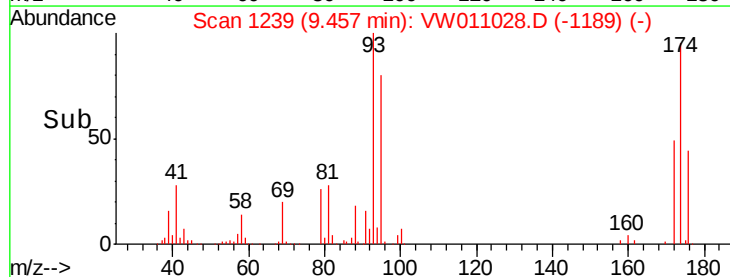
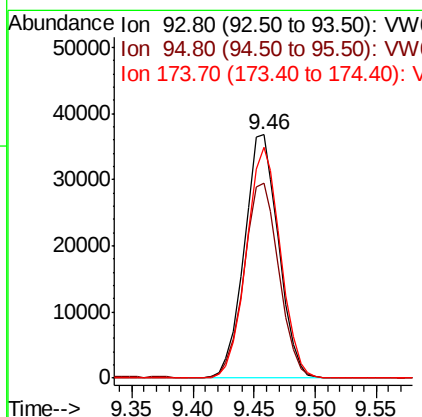
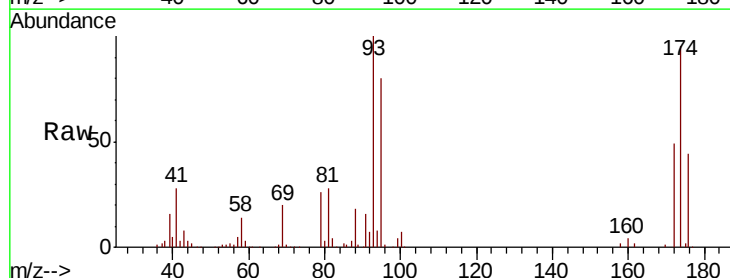
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

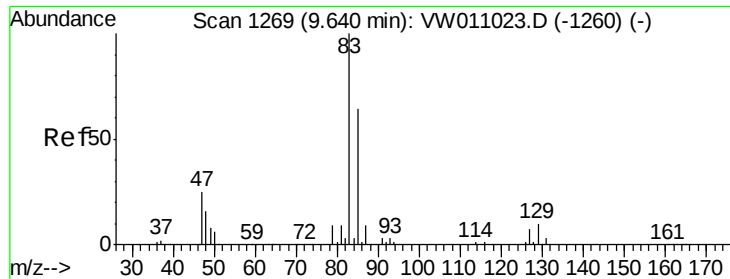
Tot Ion: 63 Resp: 150177
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.6 38.4



#46
 Dibromomethane
 Concen: 51.872 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion: 93 Resp: 71663
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.8 98.6
 174 94.2 75.4 113.0





#47

Bromodichloromethane

Concen: 53.083 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

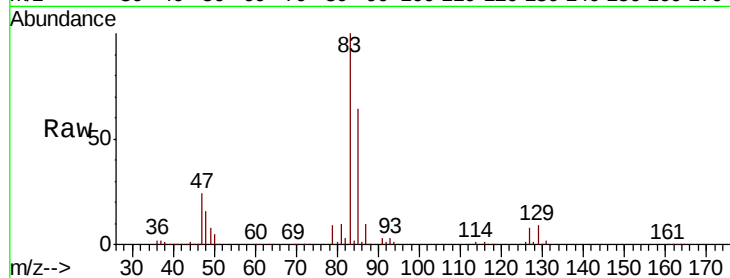
Tot Ion: 83 Resp: 181569

Ion Ratio Lower Upper

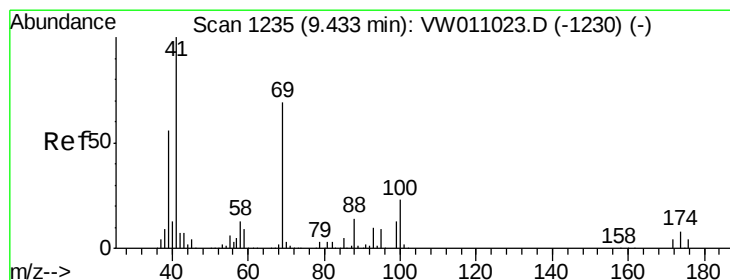
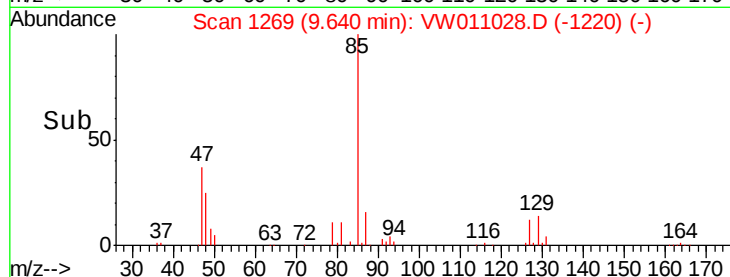
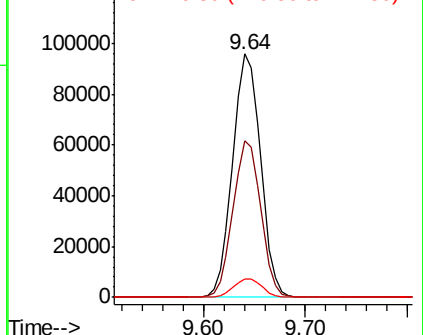
83 100

85 64.2 51.0 76.4

127 7.5 5.8 8.8



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: 53.337 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

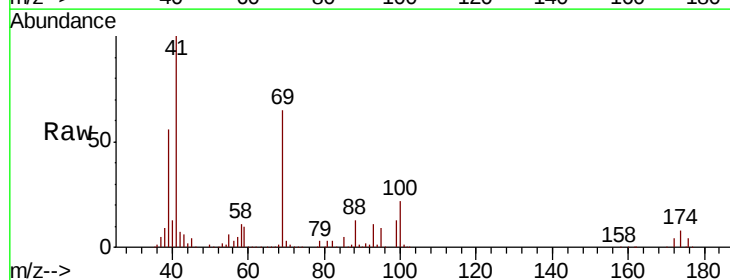
Tgt Ion: 41 Resp: 112562

Ion Ratio Lower Upper

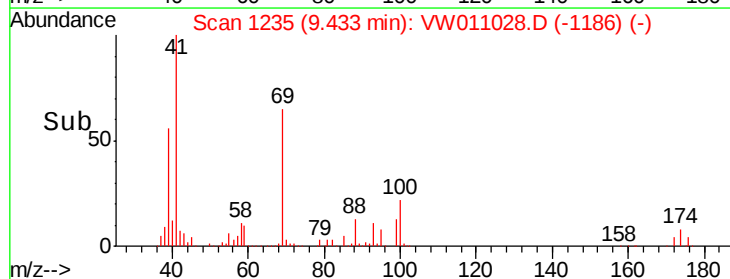
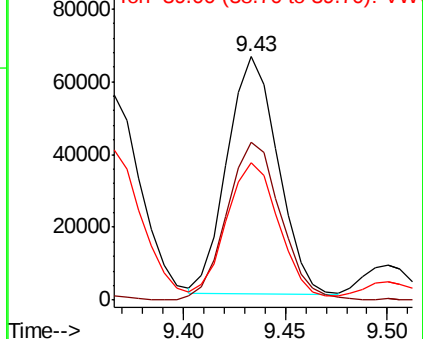
41 100

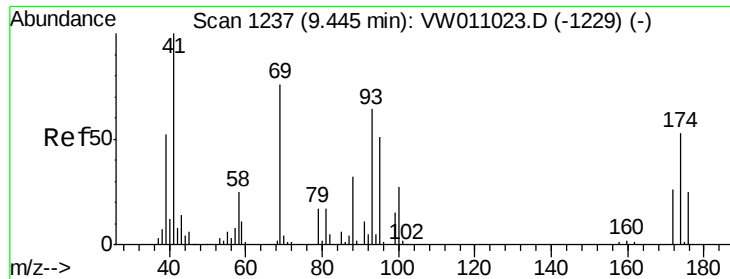
69 70.1 56.7 85.1

39 57.0 45.0 67.6



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: 1064.451 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

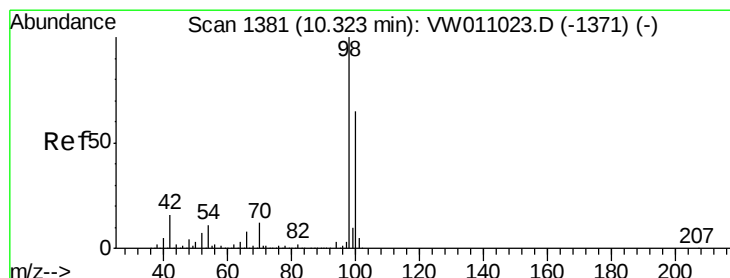
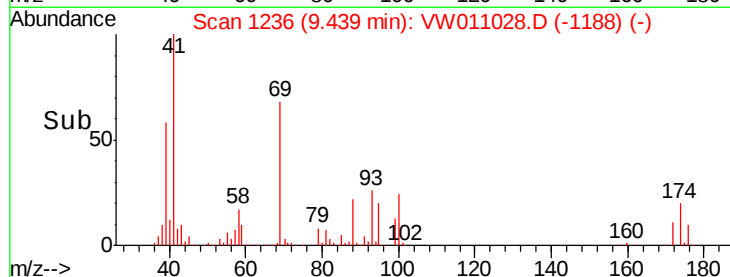
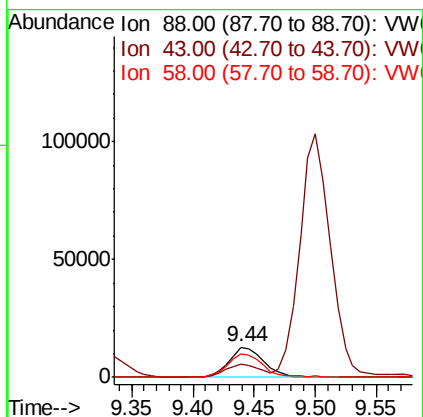
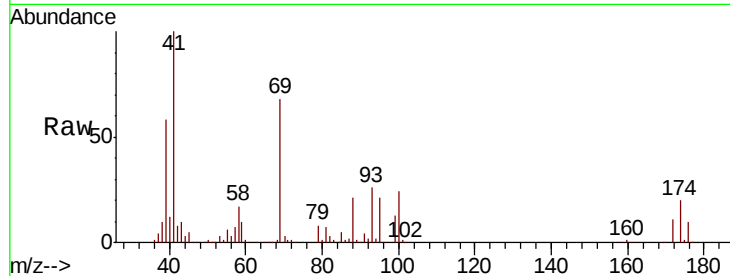
Tot Ion: 88 Resp: 24726

Ion Ratio Lower Upper

88 100

43 42.4 34.4 51.6

58 84.3 65.2 97.8



#50

Toluene-d8

Concen: 51.229 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011028.D

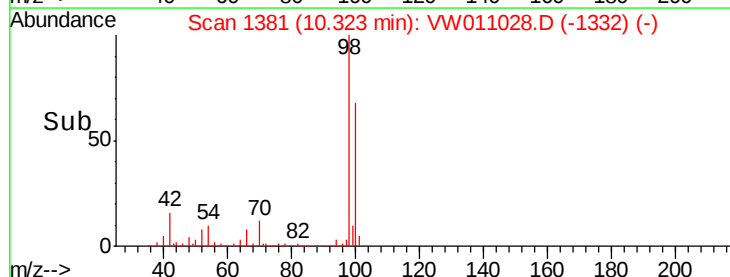
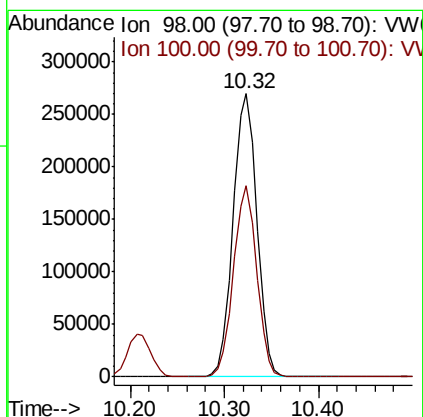
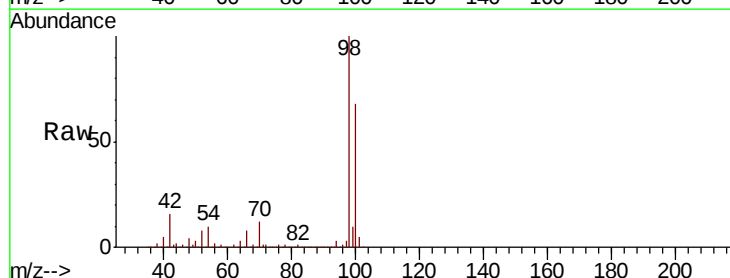
Acq: 27 Jun 2019 20:25

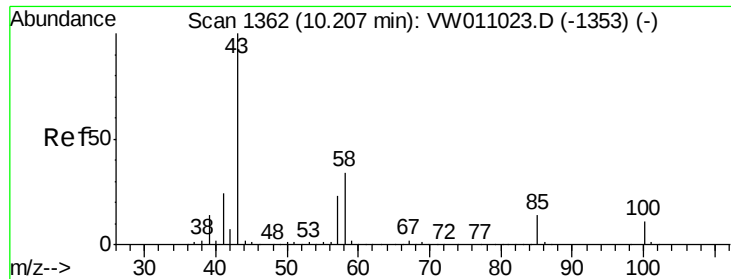
Tgt Ion: 98 Resp: 473820

Ion Ratio Lower Upper

98 100

100 65.9 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 267.617 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

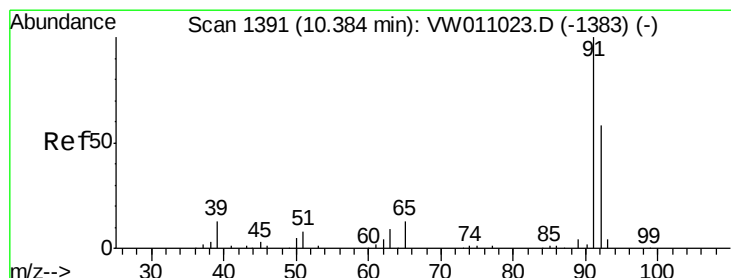
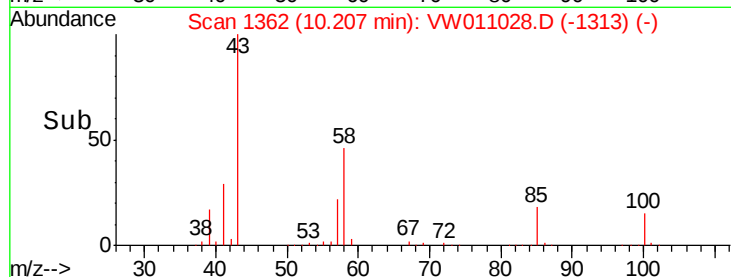
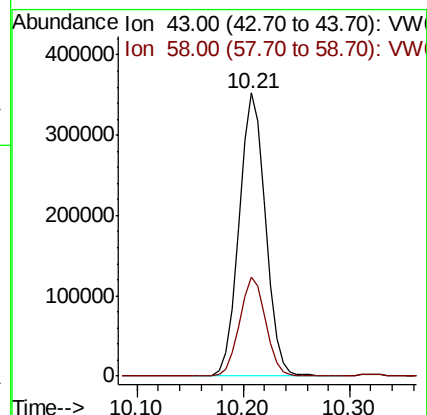
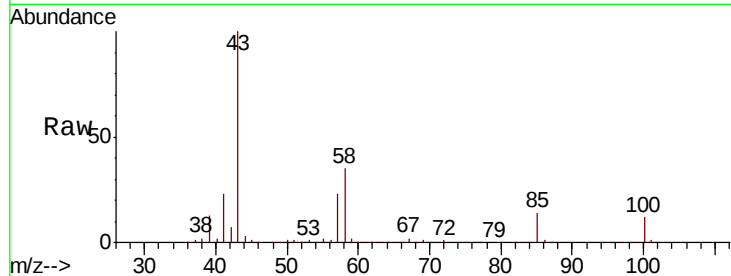
VSTDCCC050

Tot Ion: 43 Resp: 613142

Ion Ratio Lower Upper

43 100

58 35.0 27.8 41.6



#52

Toluene

Concen: 51.093 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011028.D

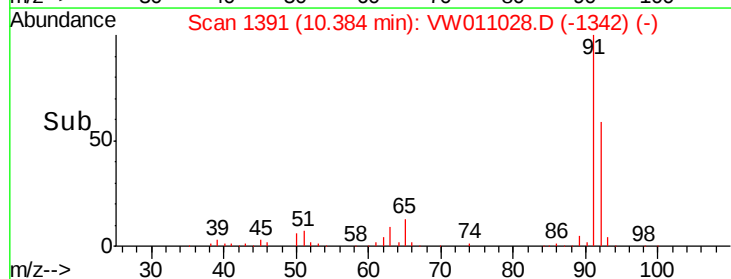
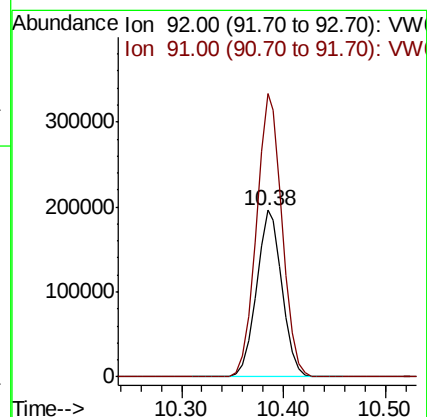
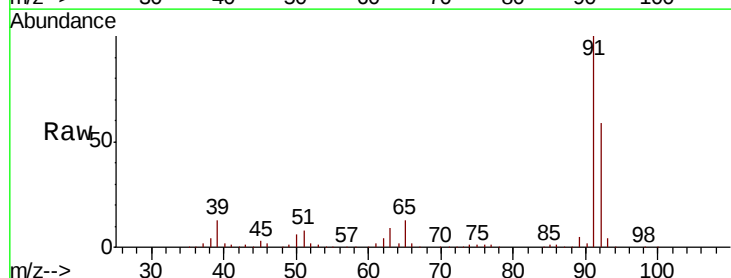
Acq: 27 Jun 2019 20:25

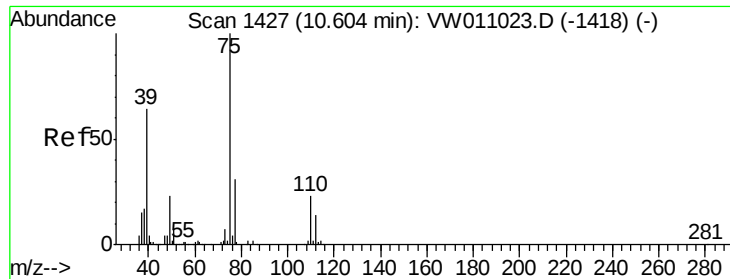
Tgt Ion: 92 Resp: 340273

Ion Ratio Lower Upper

92 100

91 171.0 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 53.829 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

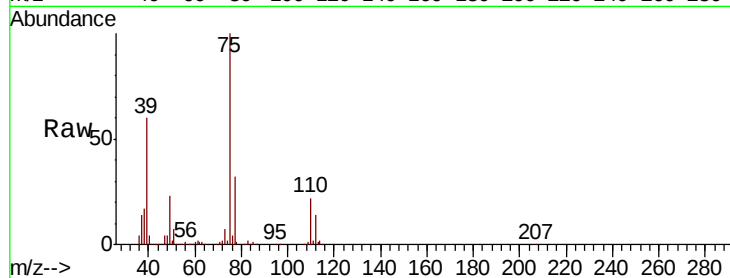
VSTDCCC050

Tot Ion: 75 Resp: 191780

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

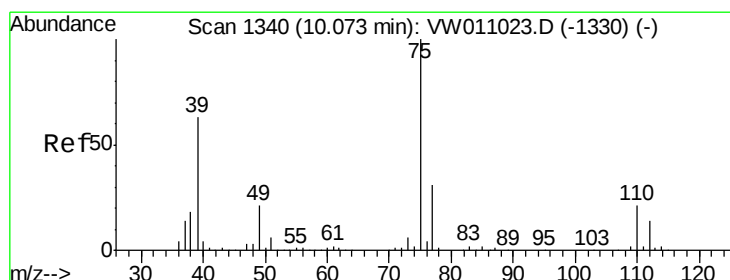
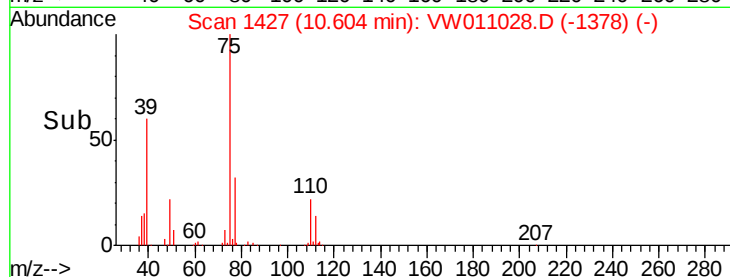
10.60

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.178 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

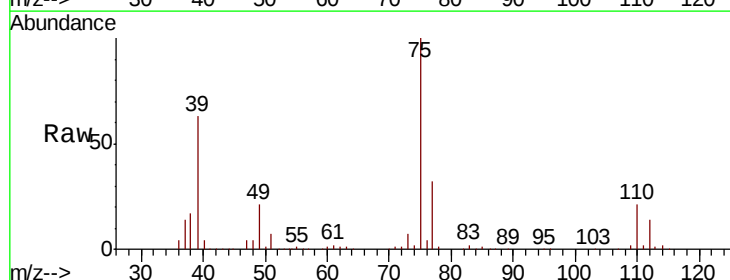
Tgt Ion: 75 Resp: 226007

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 63.4 50.0 75.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

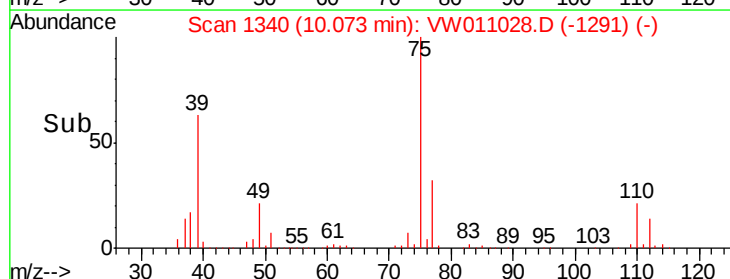
150000

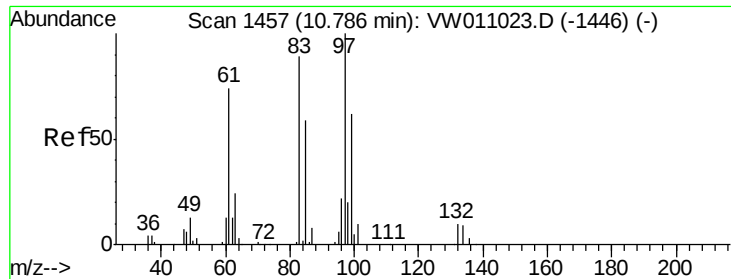
100000

50000

0

Time-->

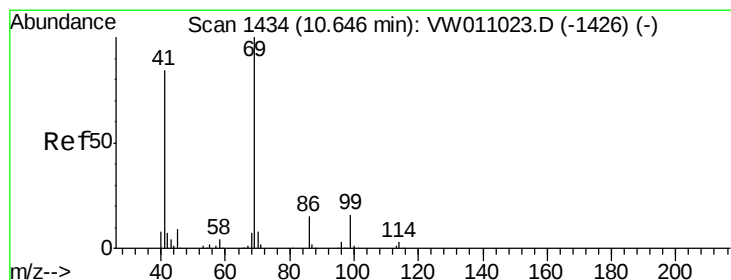
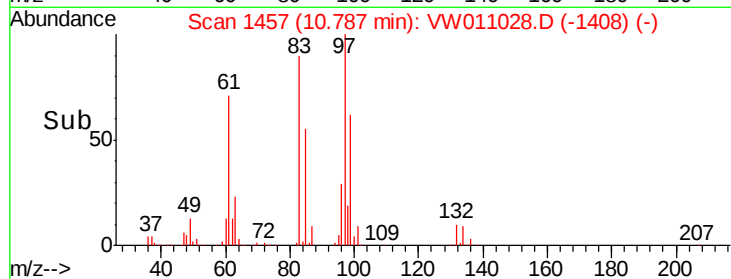
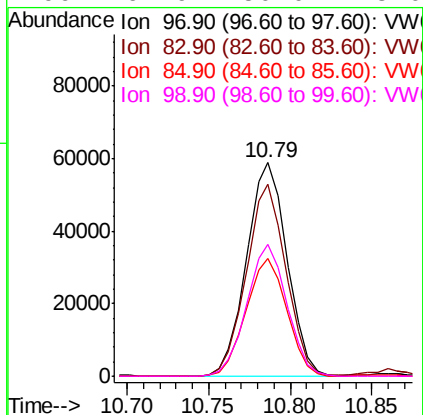
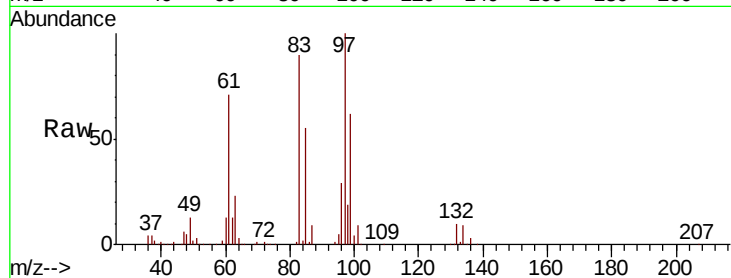




#55
 1,1,2-Trichloroethane
 Concen: 52.230 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

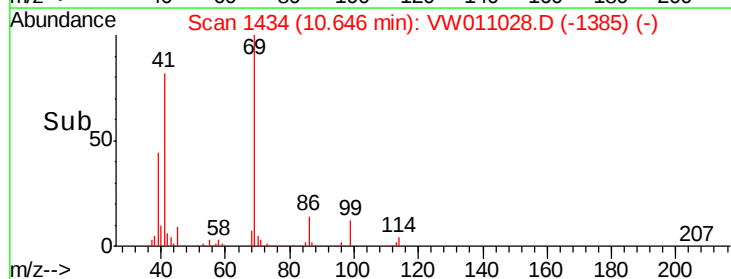
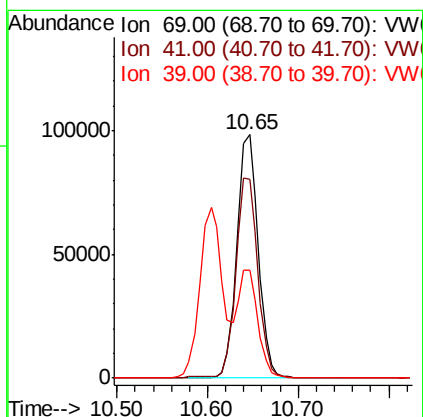
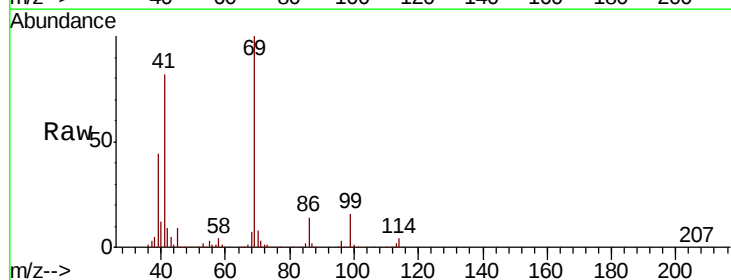
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

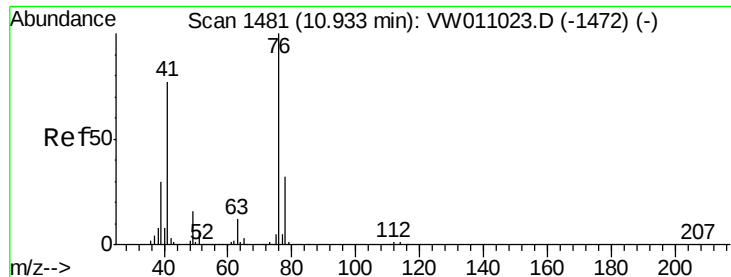
Tot Ion	97	Resp	101945
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.9	106.3
85	55.4	47.2	70.8
99	61.9	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 55.136 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion	69	Resp	161152
Ion	Ratio	Lower	Upper
69	100		
41	83.1	67.9	101.9
39	39.8	33.2	49.8

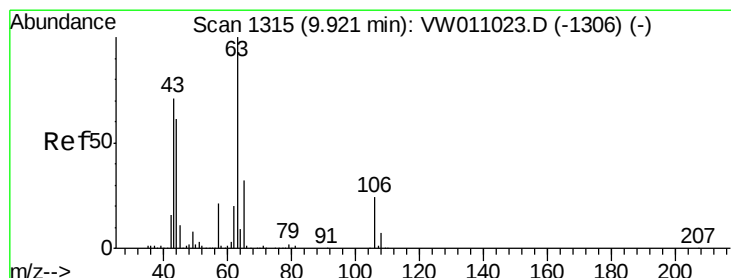
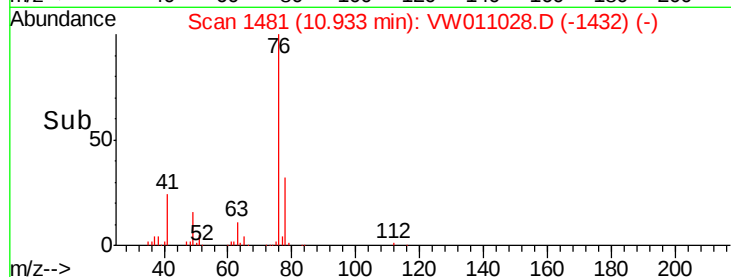
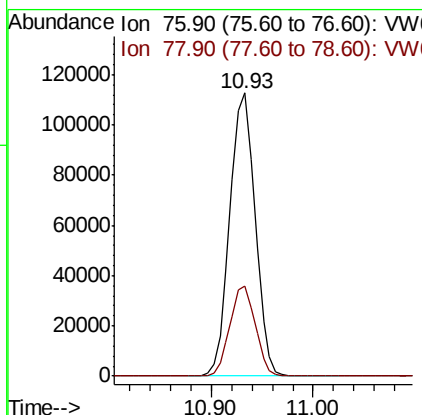
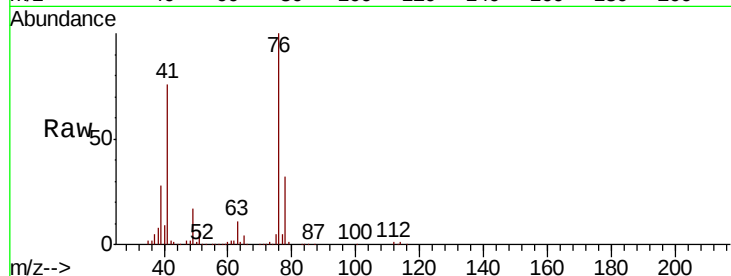




#57
 1,3-Dichloropropane
 Concen: 52.154 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

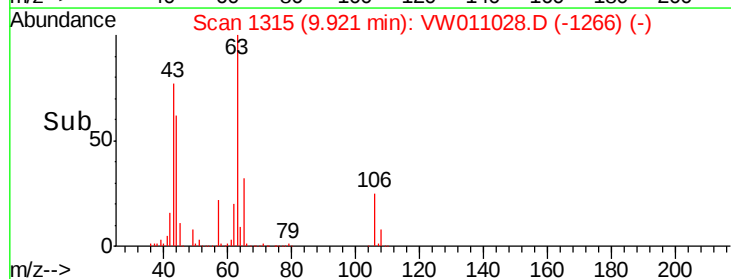
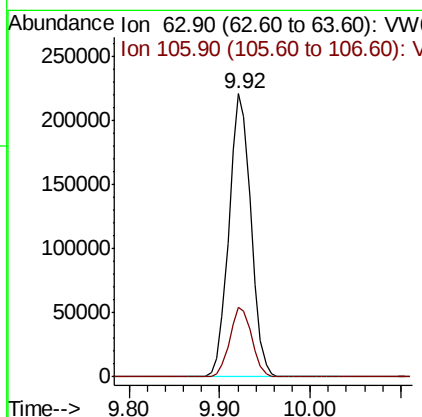
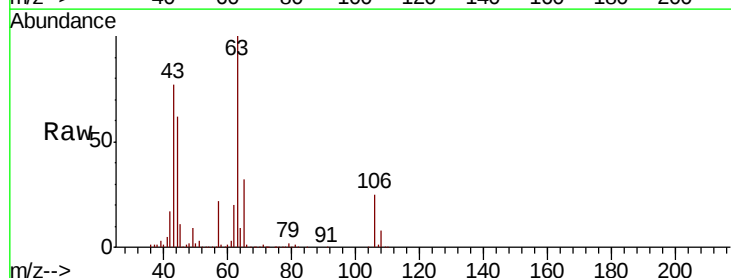
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

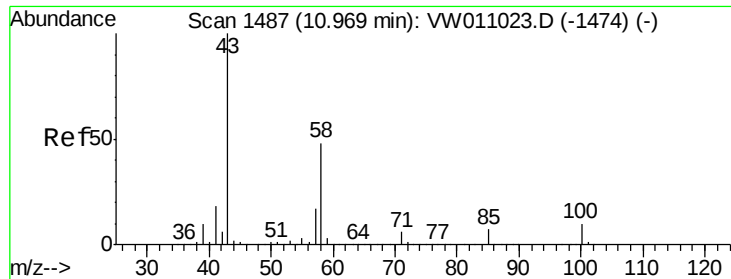
Tot Ion: 76 Resp: 193639
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.050 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion: 63 Resp: 375702
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.4 29.0

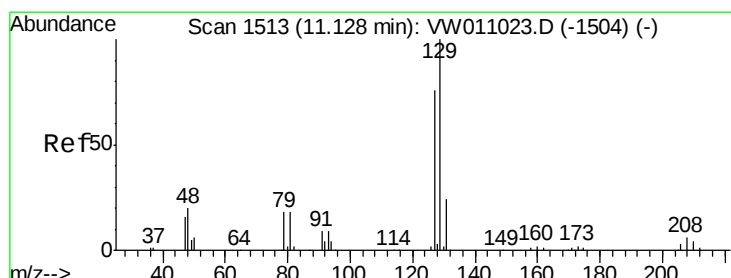
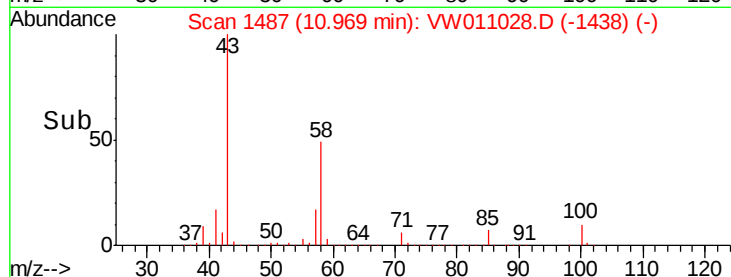
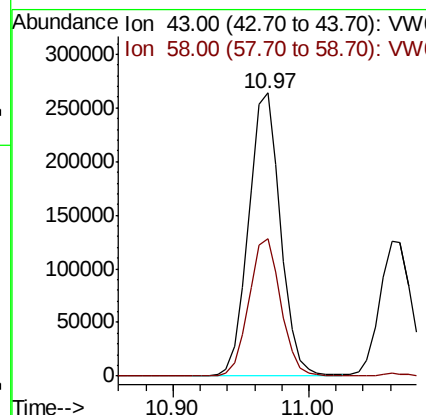
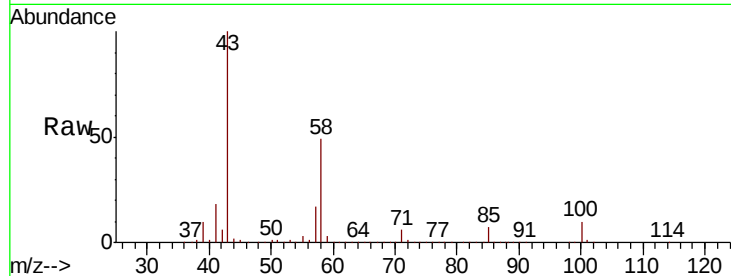




#59
2-Hexanone
Concen: 271.187 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

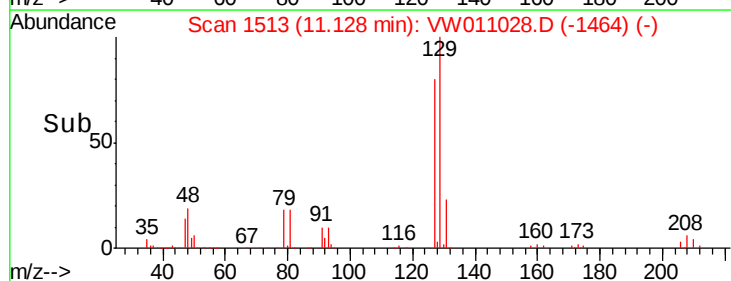
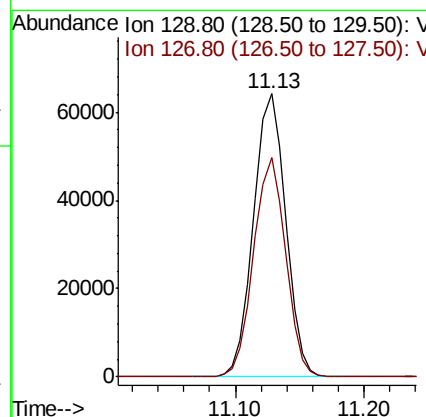
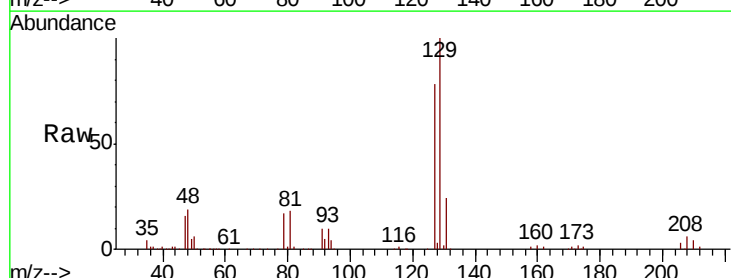
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

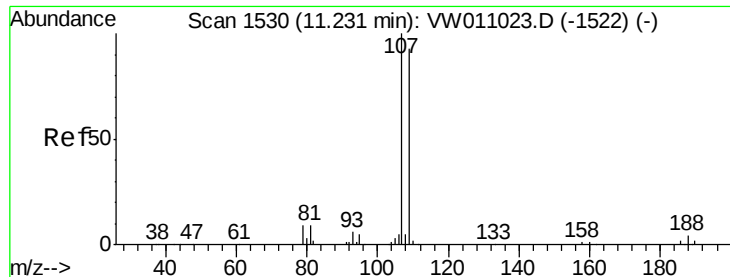
Tot Ion: 43 Resp: 433290
Ion Ratio Lower Upper
43 100
58 48.7 23.8 71.5



#60
Dibromochloromethane
Concen: 54.103 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 129 Resp: 110738
Ion Ratio Lower Upper
129 100
127 76.8 39.4 118.1





#61

1,2-Dibromoethane

Concen: 52.614 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

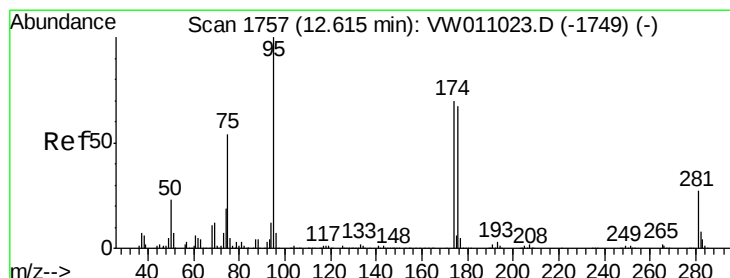
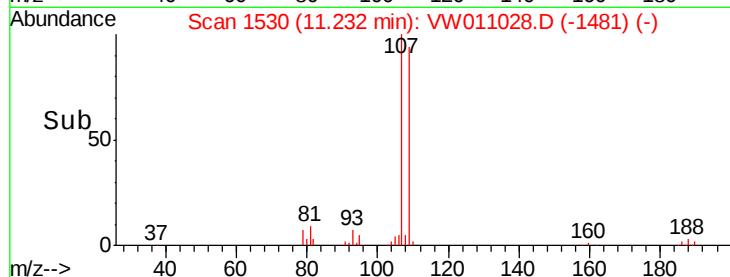
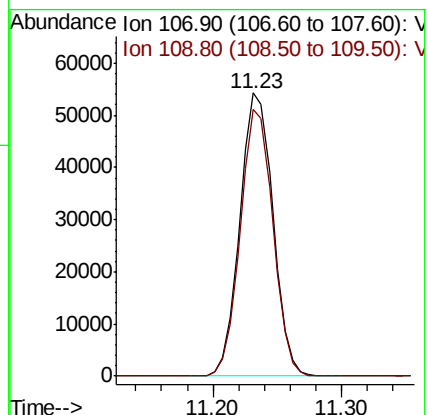
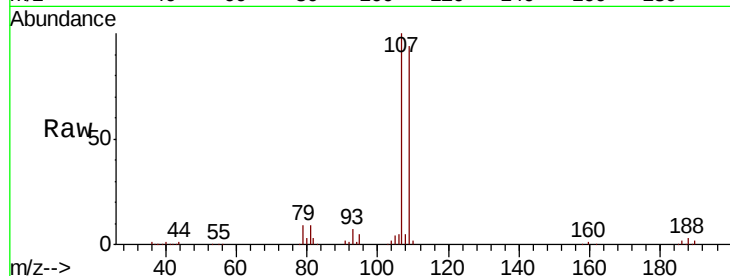
VSTDCCC050

Tot Ion:107 Resp: 96138

Ion Ratio Lower Upper

107 100

109 93.3 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 50.940 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

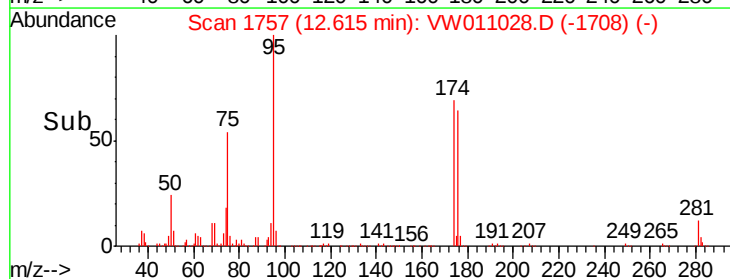
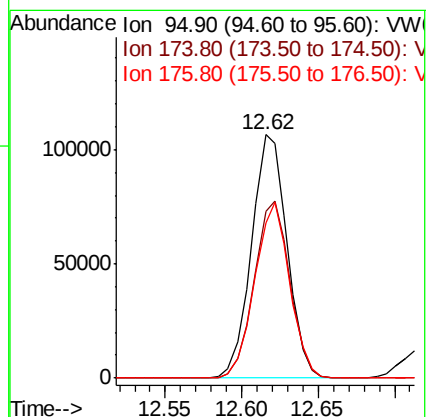
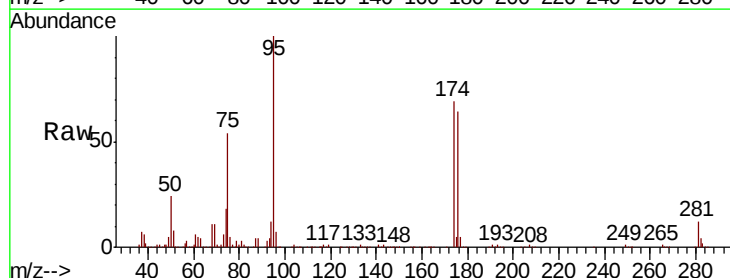
Tgt Ion: 95 Resp: 172323

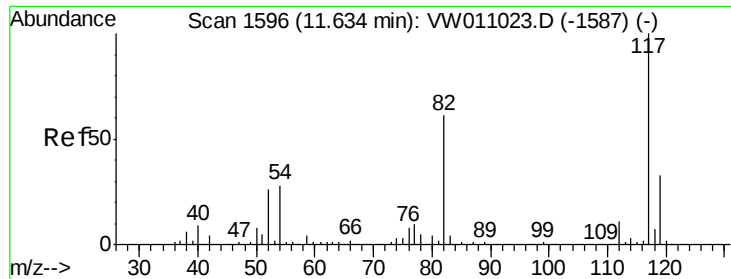
Ion Ratio Lower Upper

95 100

174 73.3 0.0 149.2

176 71.0 0.0 143.6

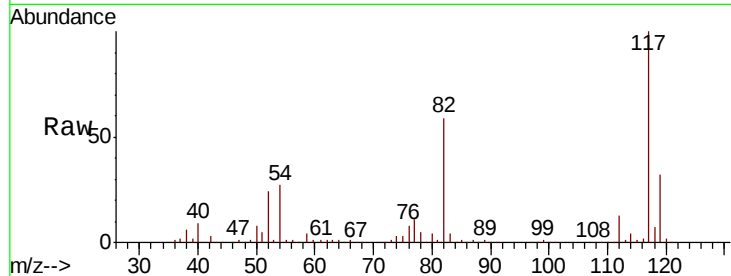




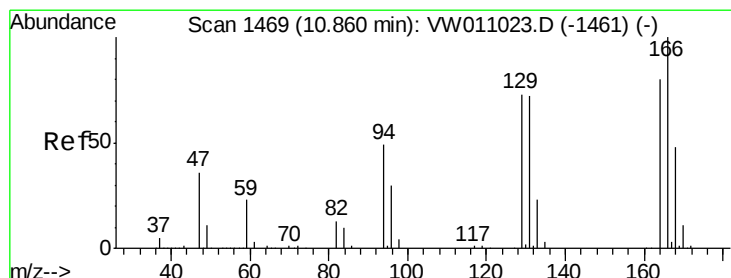
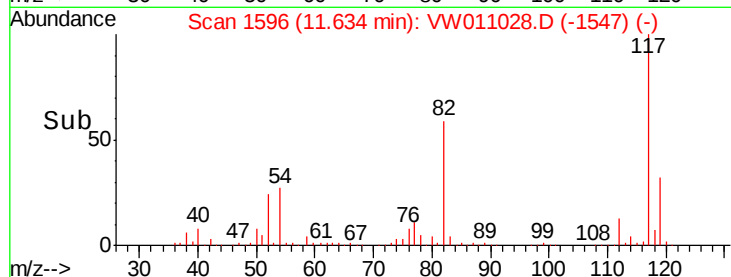
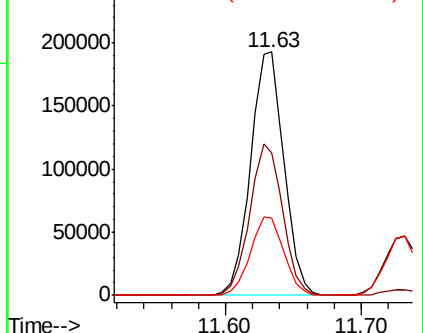
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 331870
Ion Ratio Lower Upper
117 100
82 58.6 48.6 73.0
119 31.5 26.1 39.1

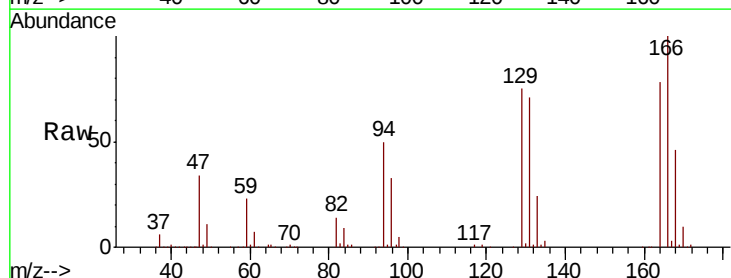


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

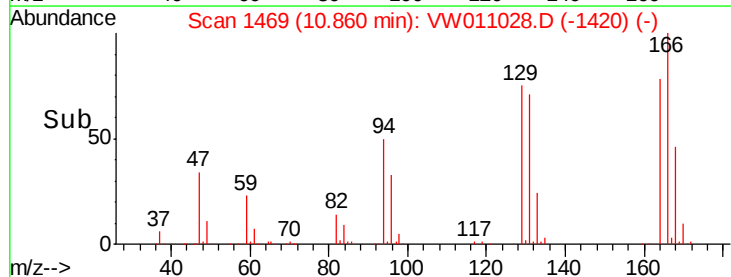
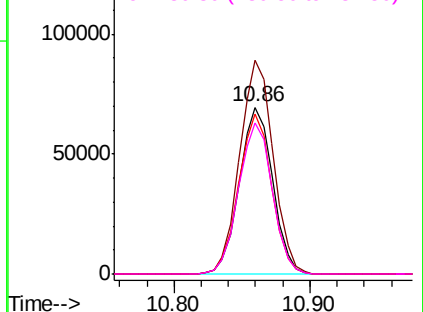


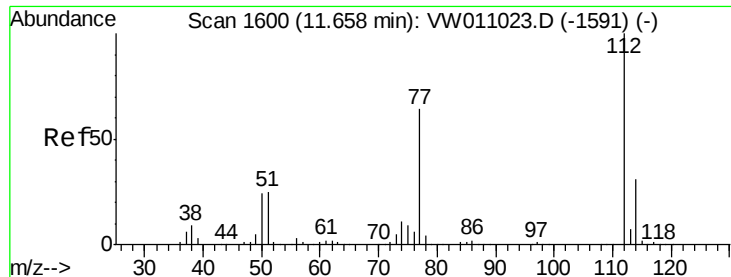
#64
Tetrachloroethene
Concen: 51.837 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion:164 Resp: 118388
Ion Ratio Lower Upper
164 100
166 128.1 99.8 149.6
129 96.3 73.0 109.4
131 90.6 71.4 107.0



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

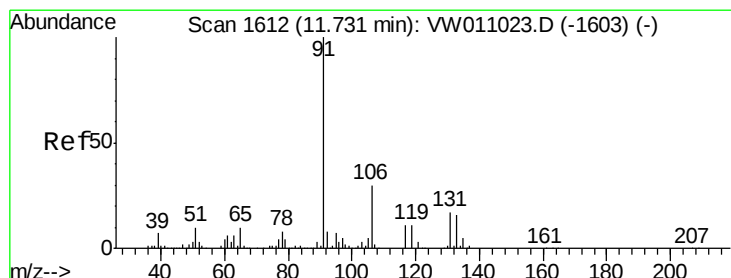
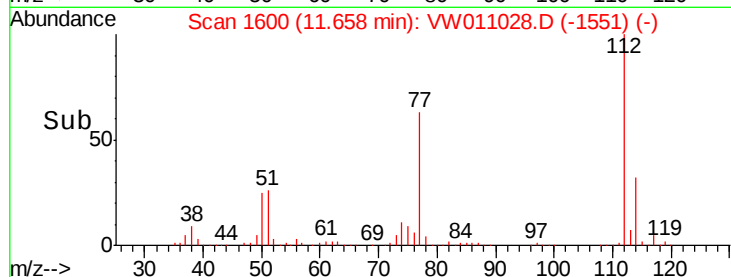
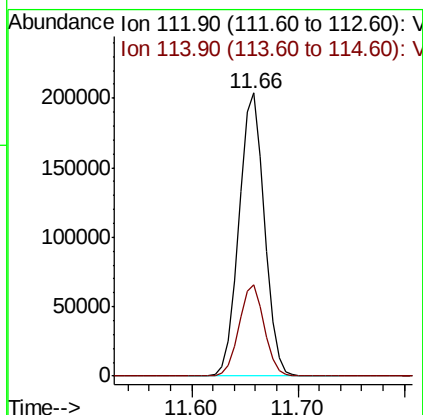
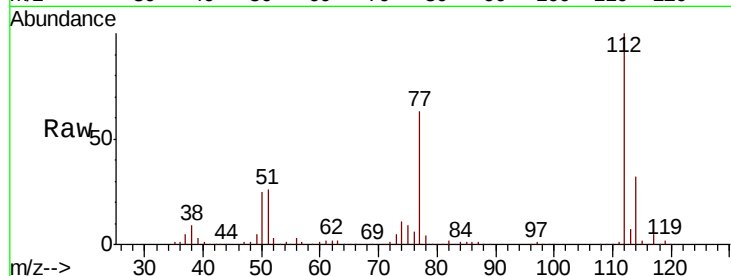




#65
Chlorobenzene
Concen: 50.281 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

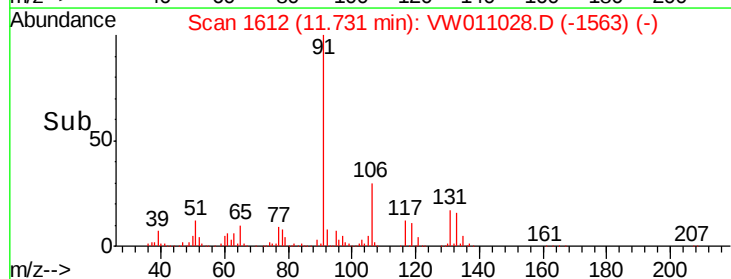
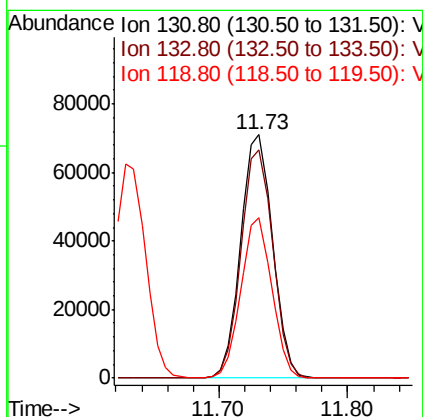
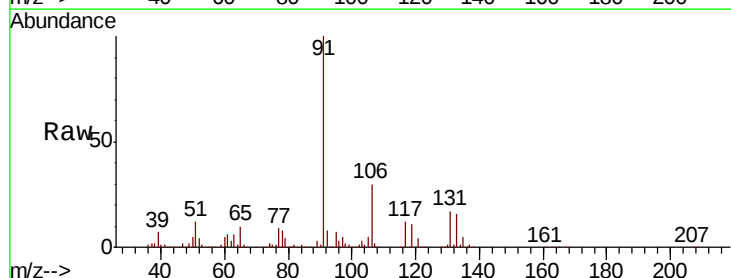
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

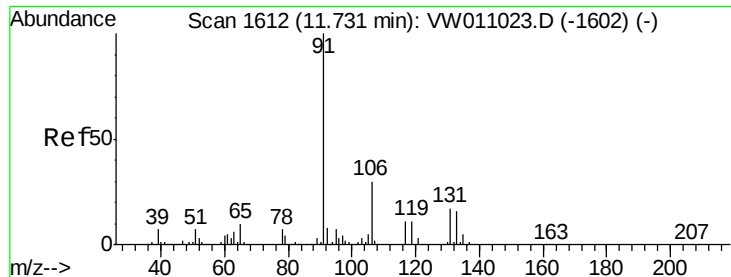
Tot Ion:112 Resp: 341578
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.678 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion:131 Resp: 121502
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 64.0 33.1 99.2

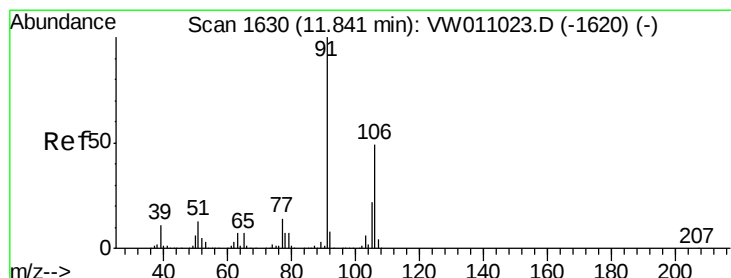
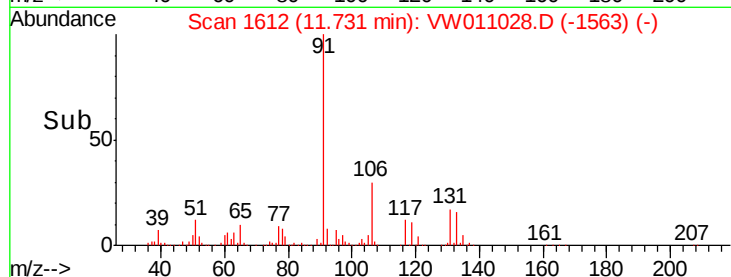
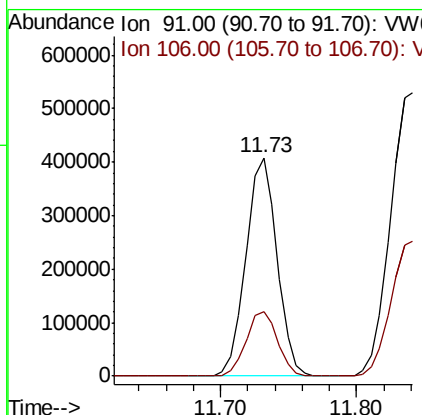
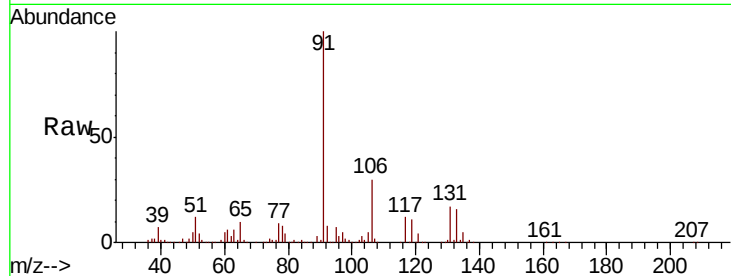




#67
Ethyl Benzene
Concen: 50.386 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

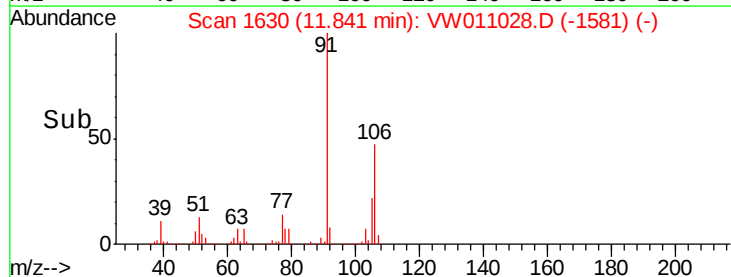
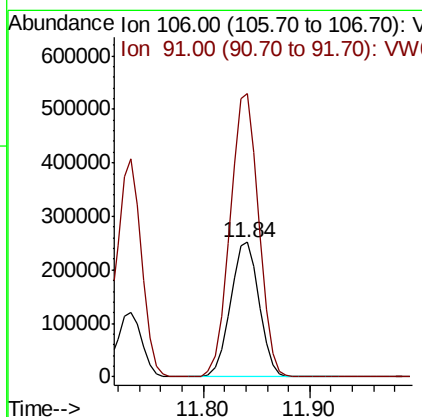
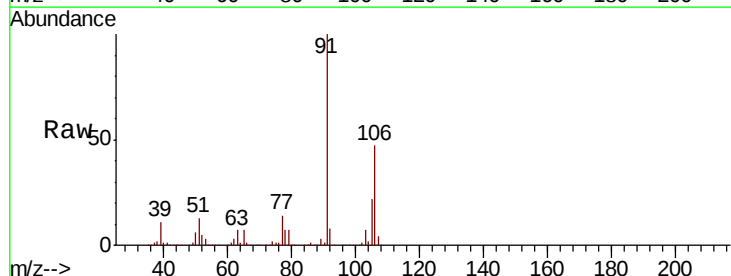
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

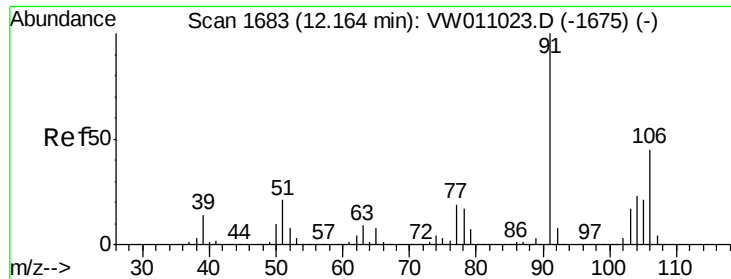
Tot Ion: 91 Resp: 655590
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6



#68
m/p-Xylenes
Concen: 100.405 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion: 106 Resp: 474044
Ion Ratio Lower Upper
106 100
91 210.3 167.5 251.3

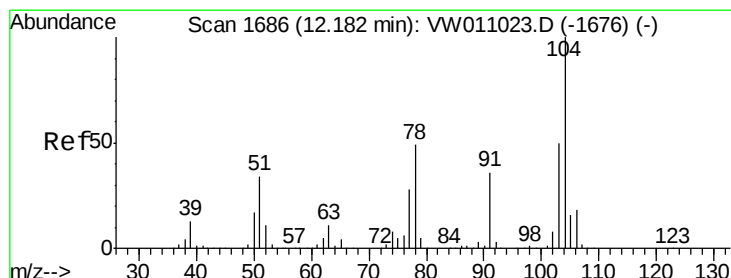
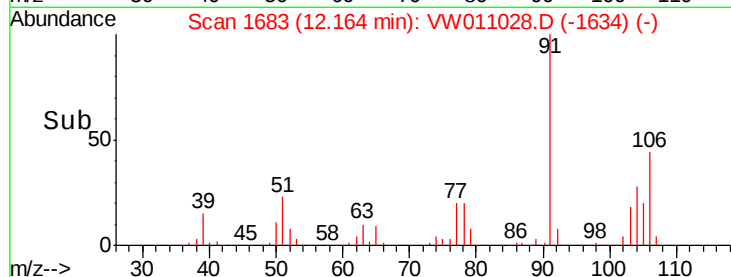
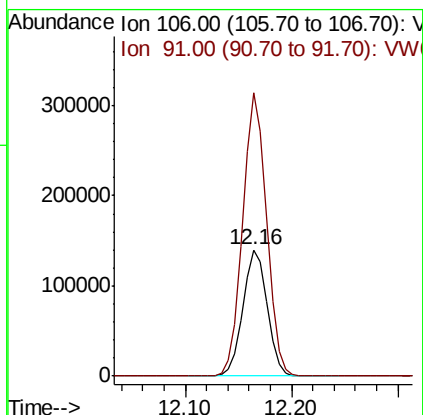
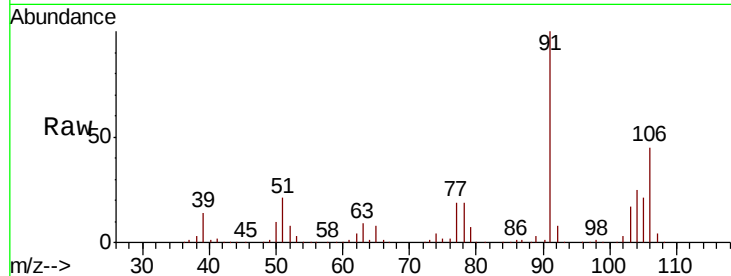




#69
o-Xylene
Concen: 50.979 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

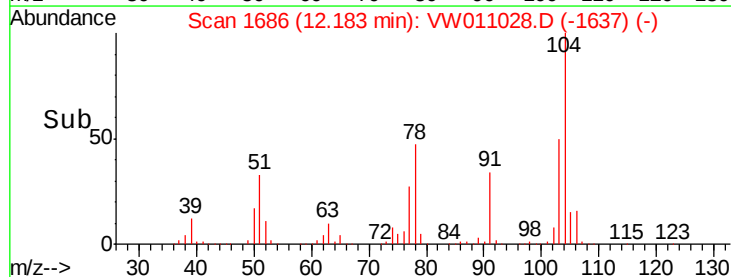
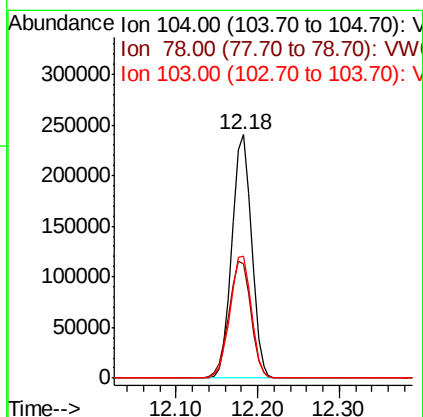
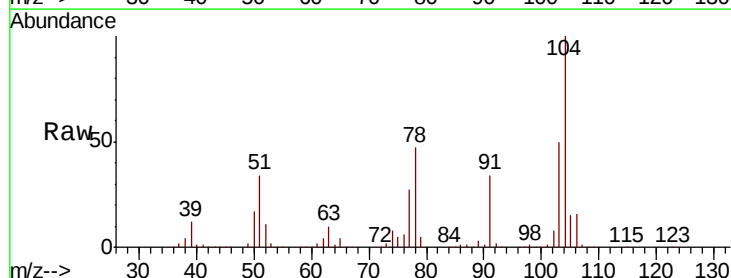
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

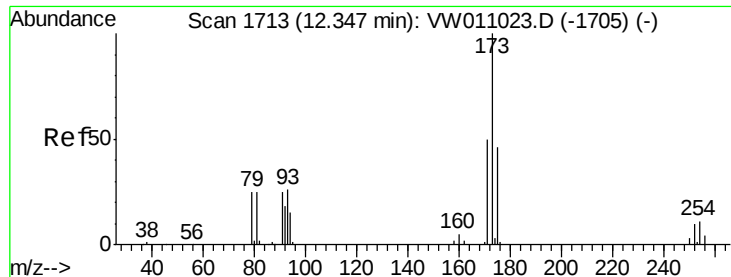
Tot Ion:106 Resp: 224184
Ion Ratio Lower Upper
106 100
91 221.1 110.8 332.3



#70
Styrene
Concen: 51.740 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion:104 Resp: 395384
Ion Ratio Lower Upper
104 100
78 54.0 43.7 65.5
103 54.6 43.9 65.9





#71

Bromoform

Concen: 54.147 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

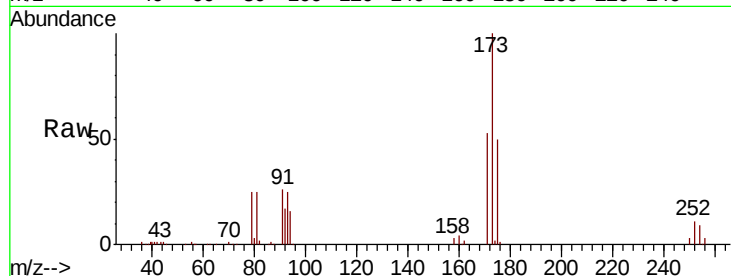
Tot Ion:173 Resp: 60884

Ion Ratio Lower Upper

173 100

175 49.3 24.1 72.2

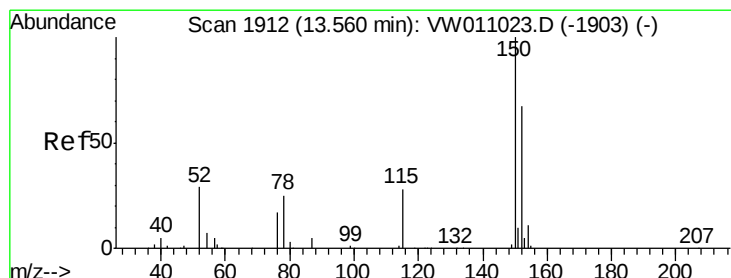
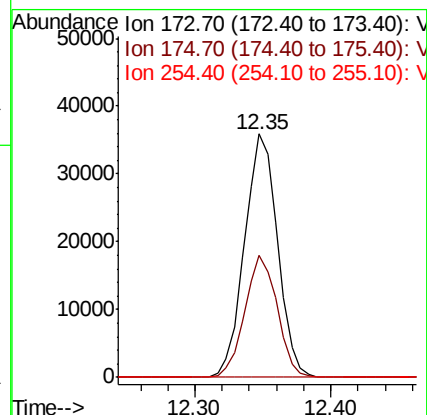
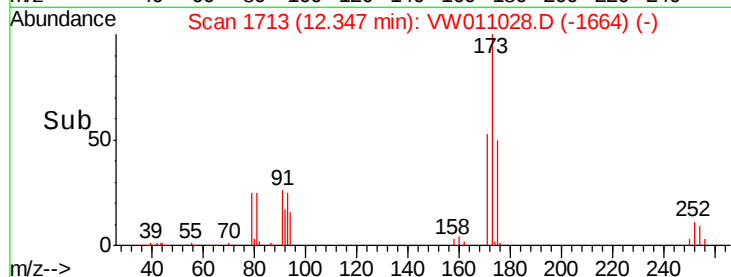
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

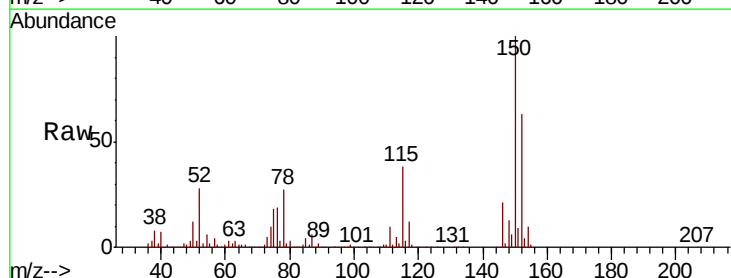
Tgt Ion:152 Resp: 160910

Ion Ratio Lower Upper

152 100

115 61.2 30.7 92.1

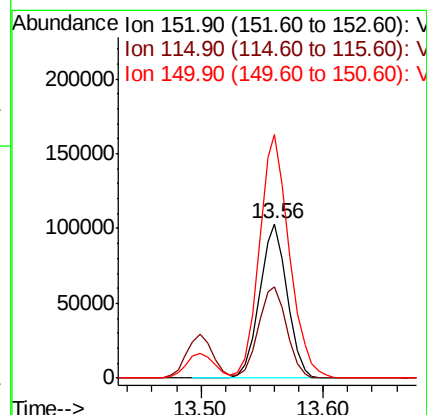
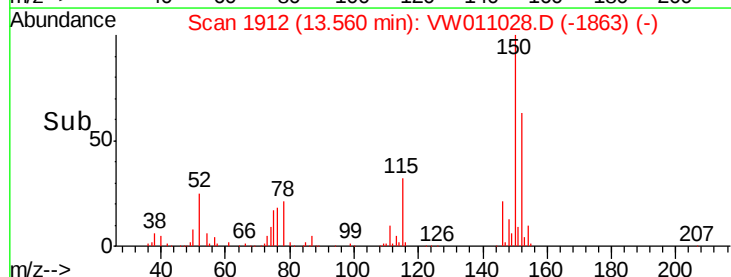
150 172.6 0.0 341.8

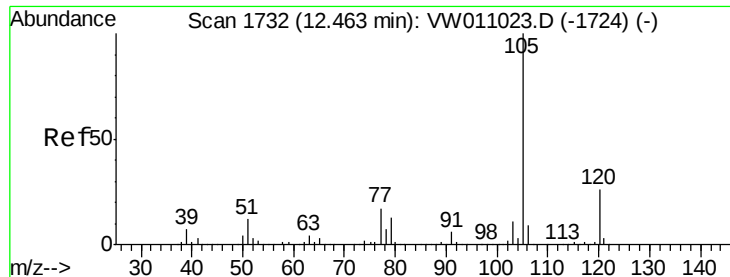


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.900 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

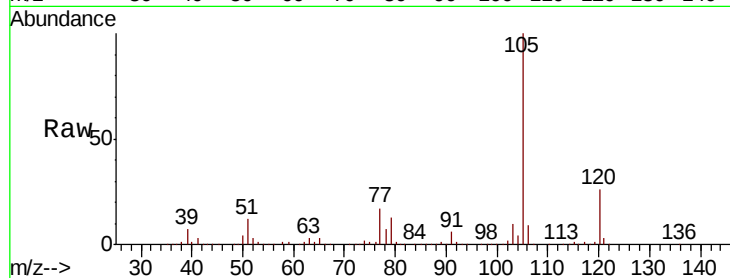
VSTDCCC050

Tot Ion:105 Resp: 613573

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

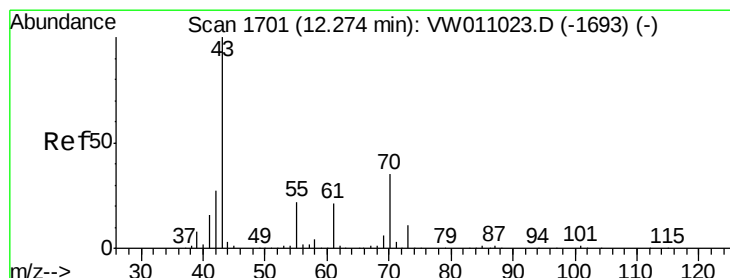
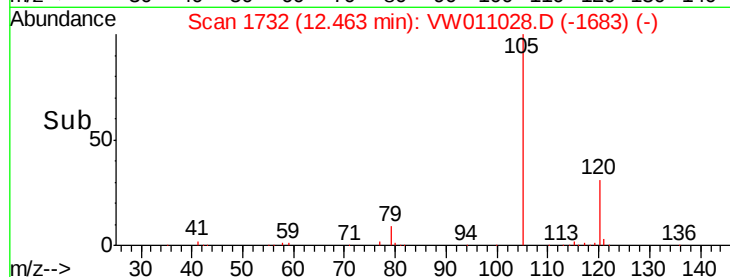
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 54.932 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Tgt Ion: 43 Resp: 222383

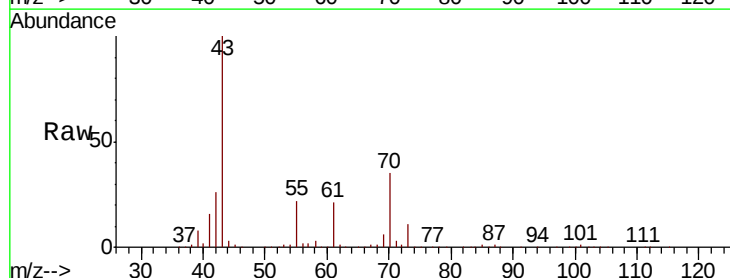
Ion Ratio Lower Upper

43 100

70 35.7 28.2 42.4

55 22.5 17.8 26.8

61 21.2 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

200000

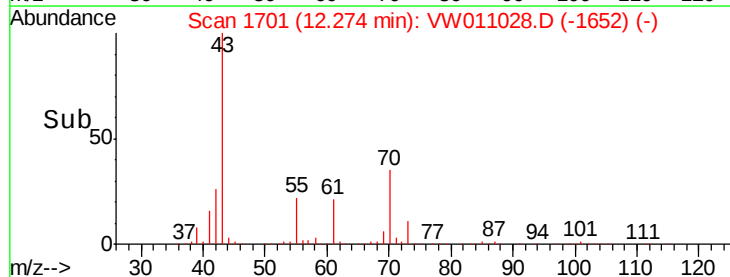
150000

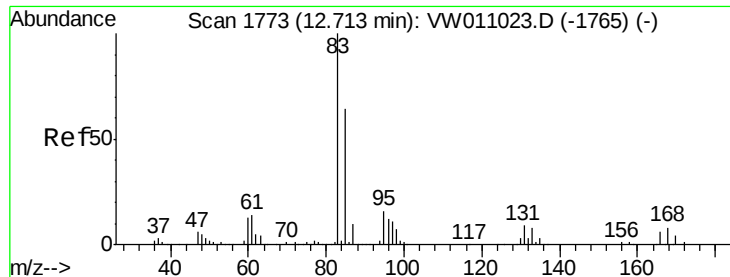
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.289 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

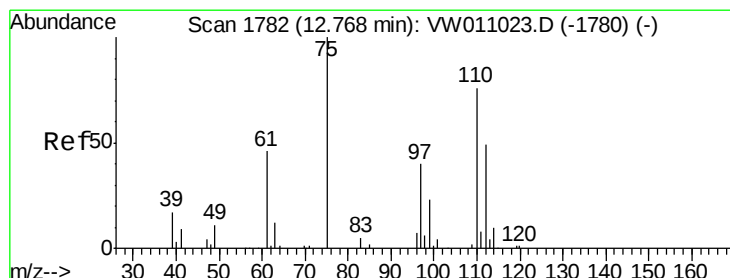
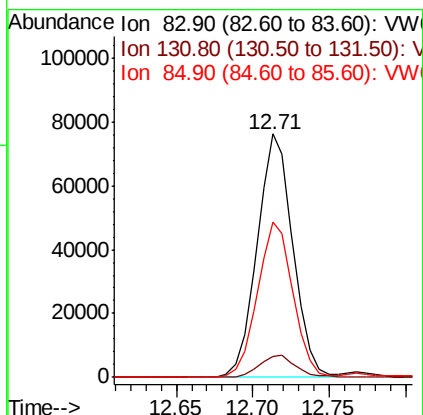
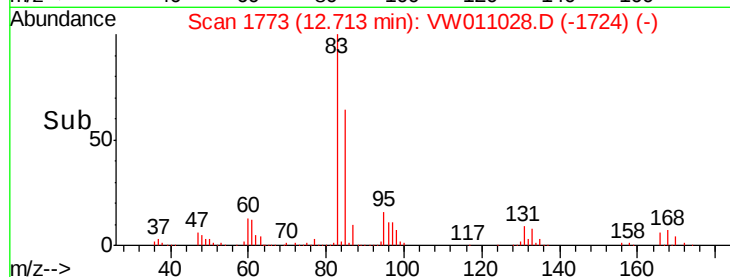
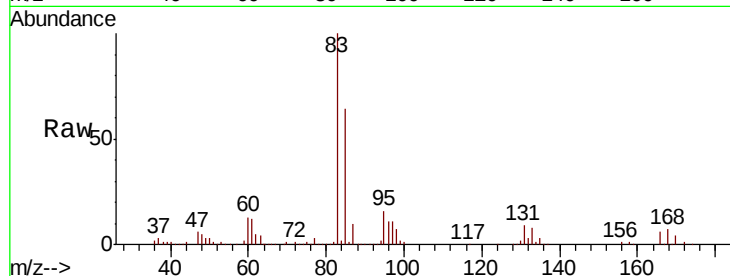
Tot Ion: 83 Resp: 123777

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

85 63.5 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 95.808 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011028.D

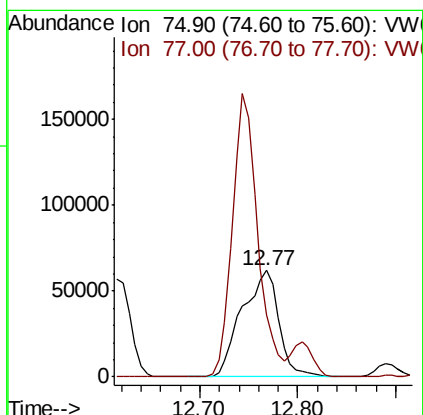
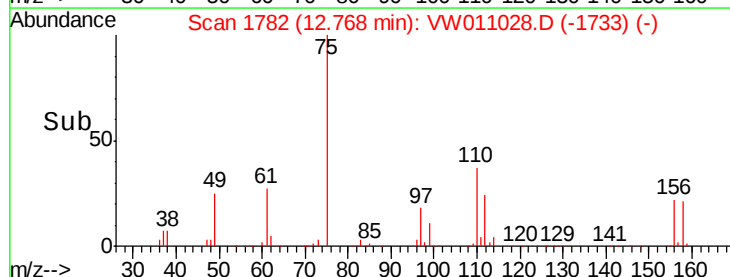
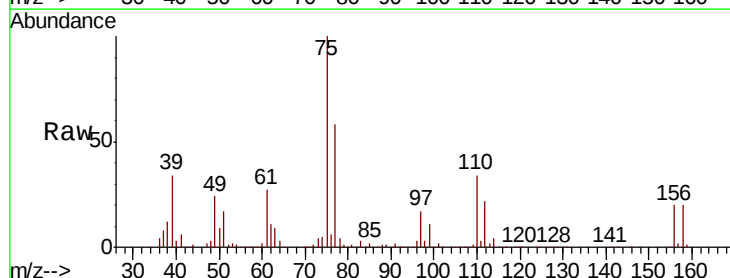
Acq: 27 Jun 2019 20:25

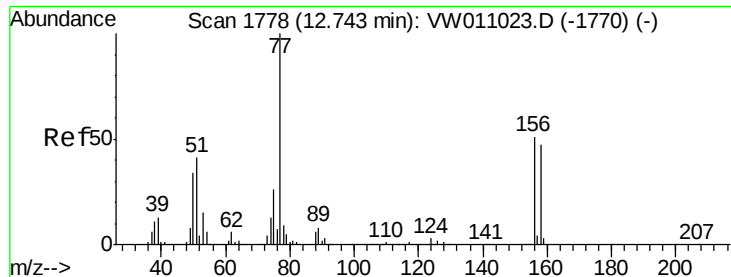
Tgt Ion: 75 Resp: 162758

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.689 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

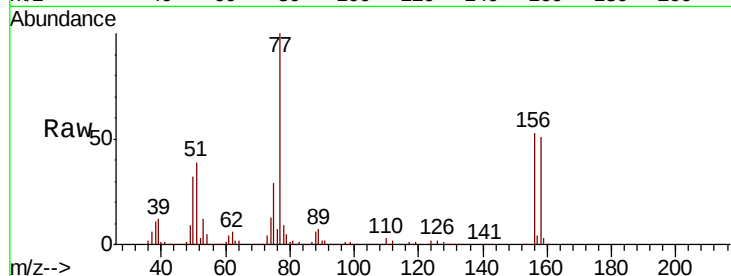
Tot Ion:156 Resp: 136955

Ion Ratio Lower Upper

156 100

77 217.6 109.5 328.5

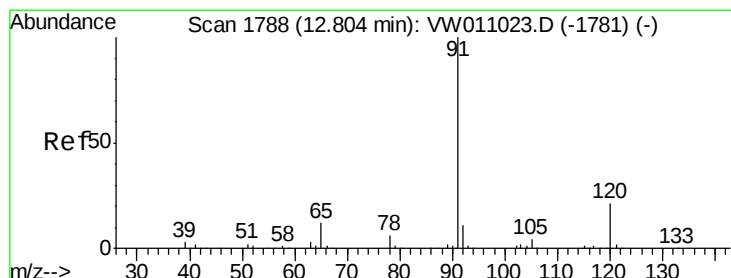
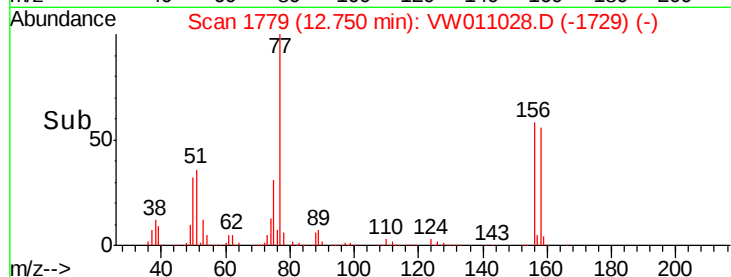
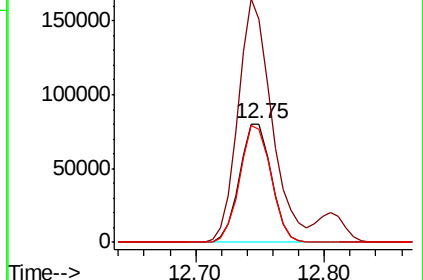
158 97.0 48.6 145.9



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: 50.881 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011028.D

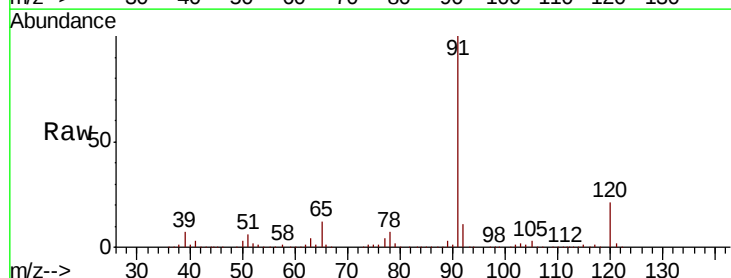
Acq: 27 Jun 2019 20:25

Tgt Ion: 91 Resp: 759528

Ion Ratio Lower Upper

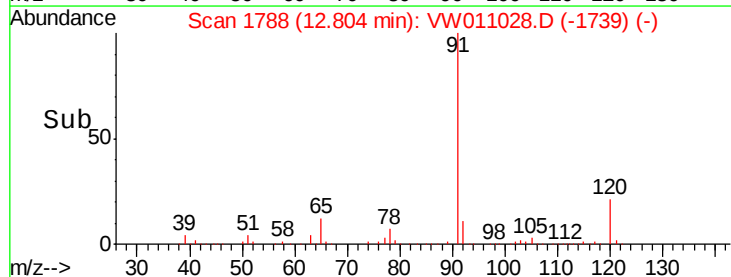
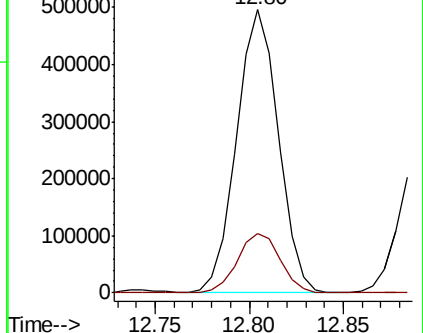
91 100

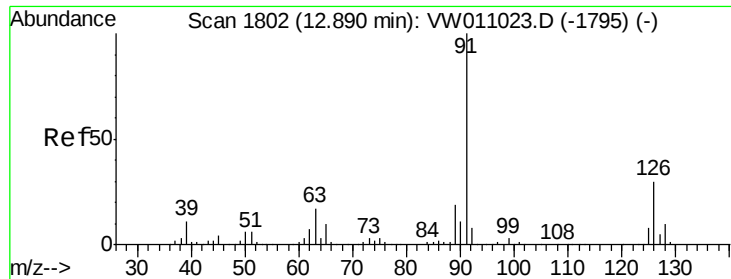
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

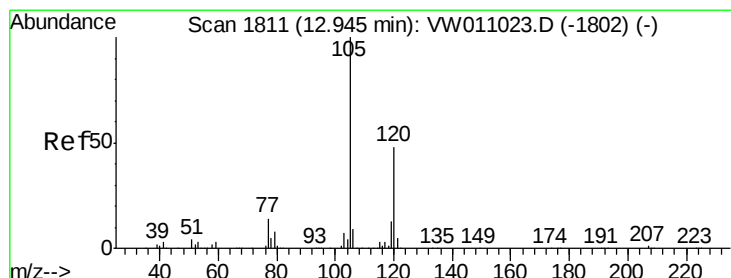
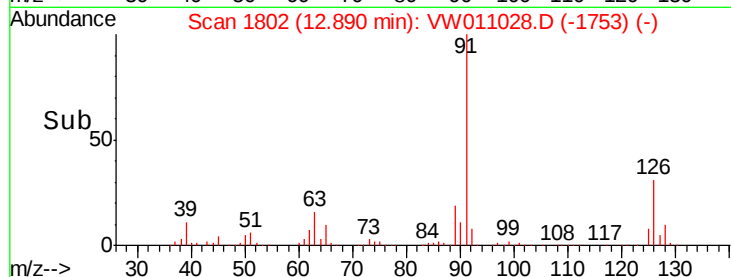
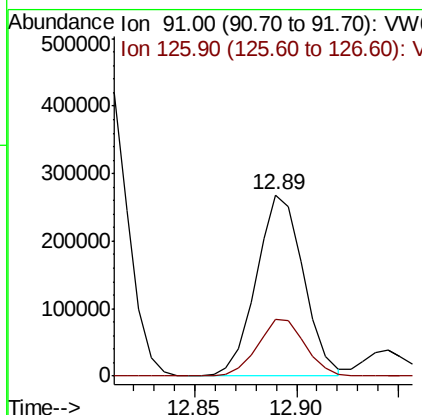
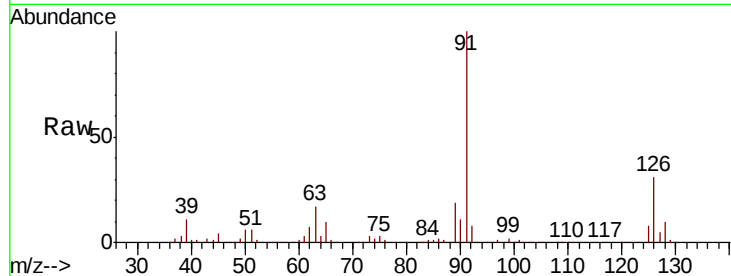




#79
 2-Chlorotoluene
 Concen: 50.538 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

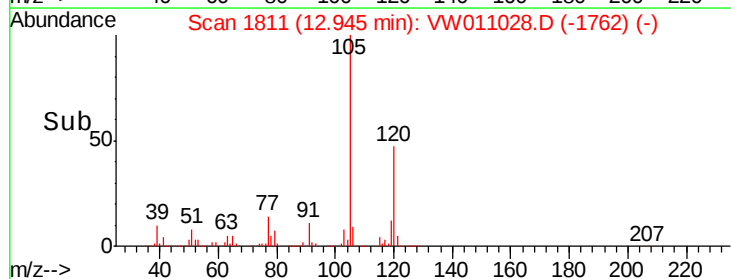
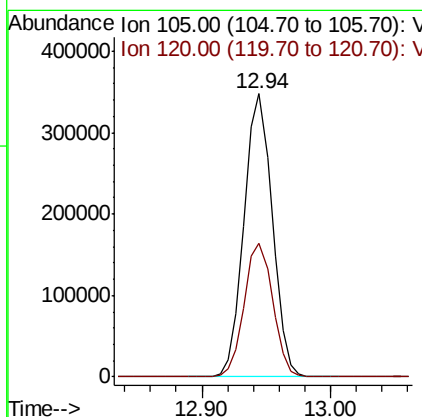
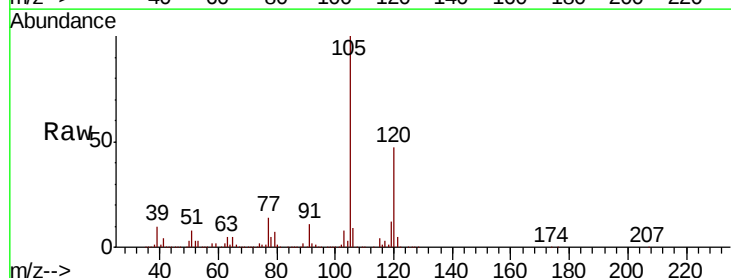
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

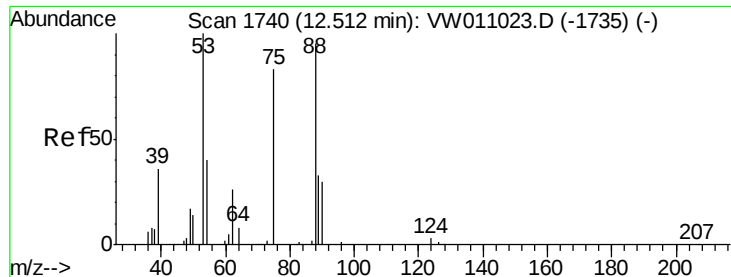
Tot Ion: 91 Resp: 430997
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.4 46.4



#80
 1,3,5-Trimethylbenzene
 Concen: 51.447 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion: 105 Resp: 525638
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 48.177 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

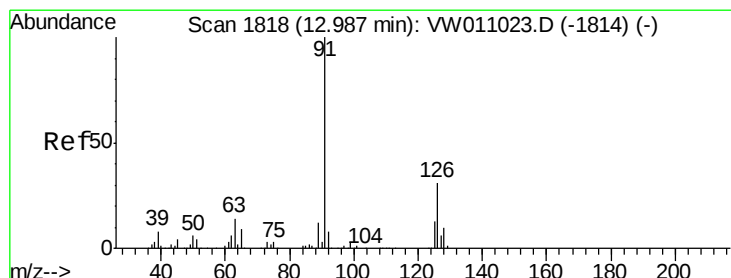
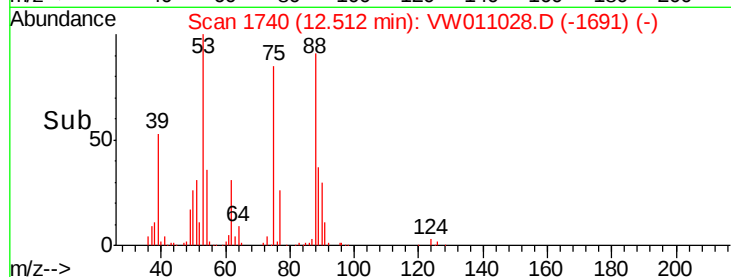
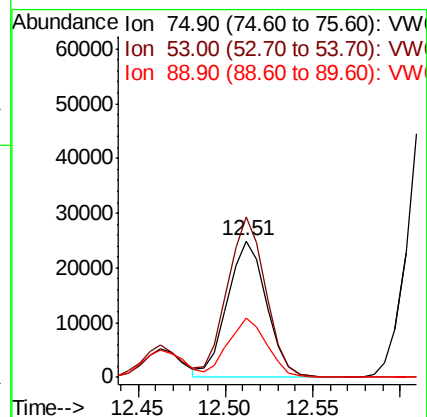
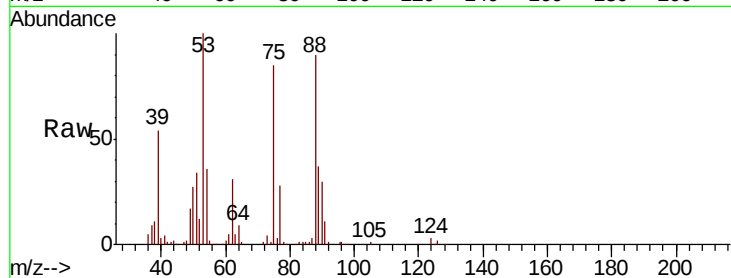
Tot Ion: 75 Resp: 38335

Ion Ratio Lower Upper

75 100

53 117.7 95.6 143.4

89 43.5 34.4 51.6



#82

4-Chlorotoluene

Concen: 50.870 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011028.D

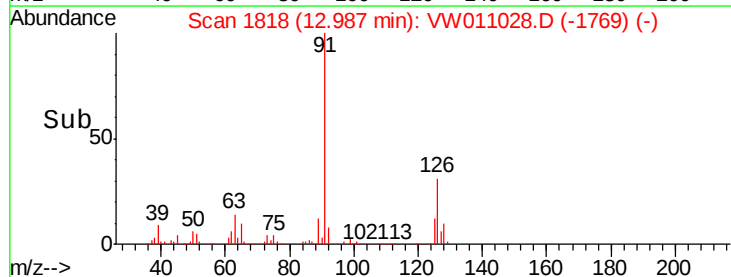
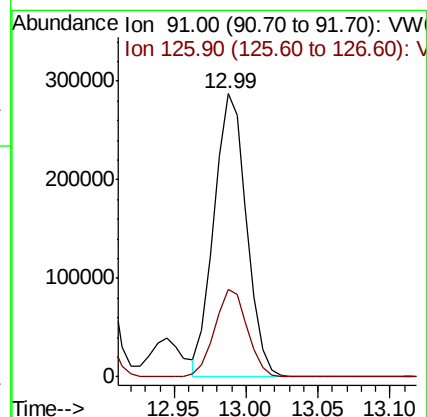
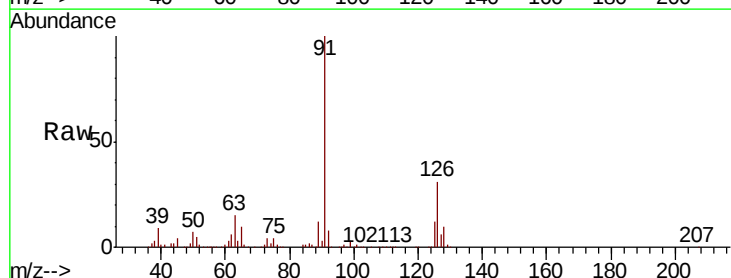
Acq: 27 Jun 2019 20:25

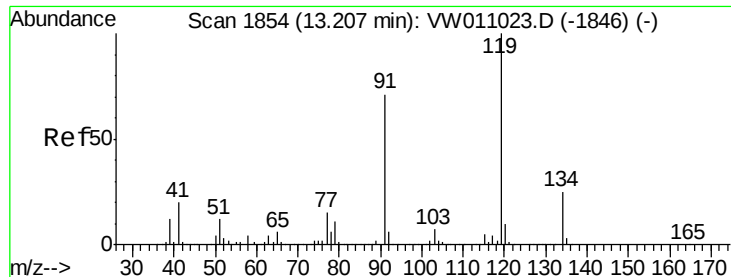
Tgt Ion: 91 Resp: 452103

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.1

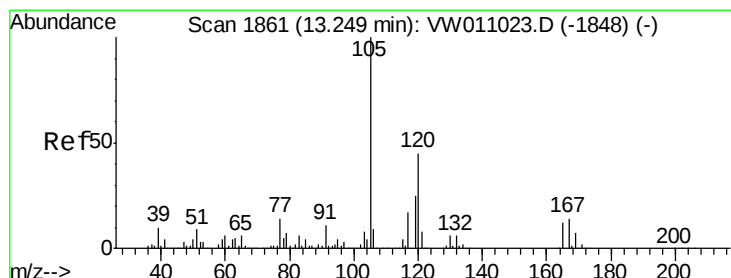
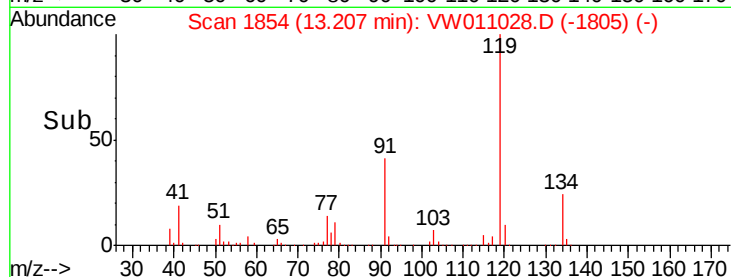
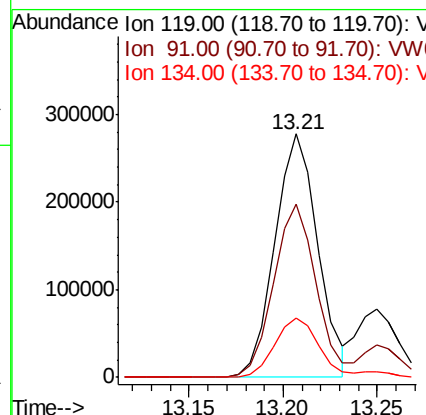
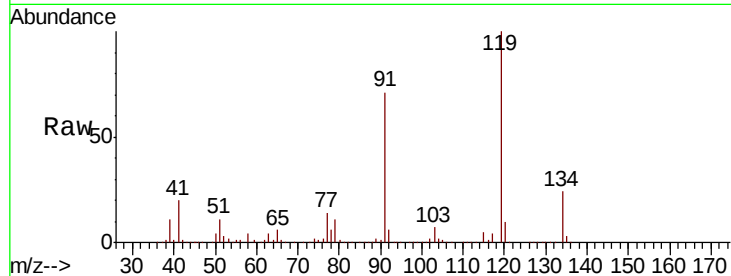




#83
tert-Butylbenzene
Concen: 51.520 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

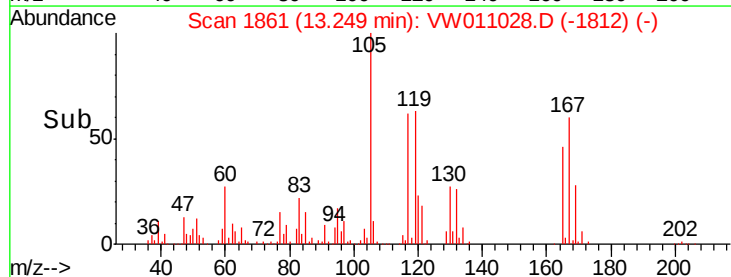
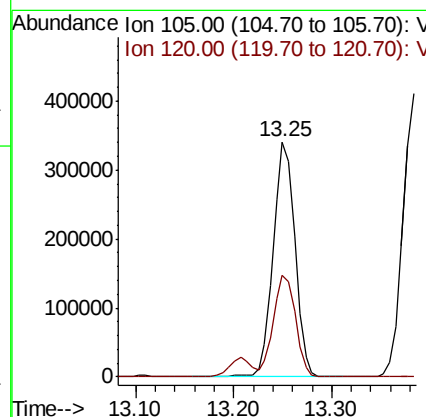
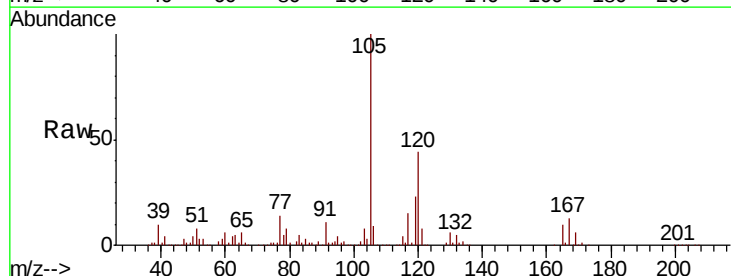
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

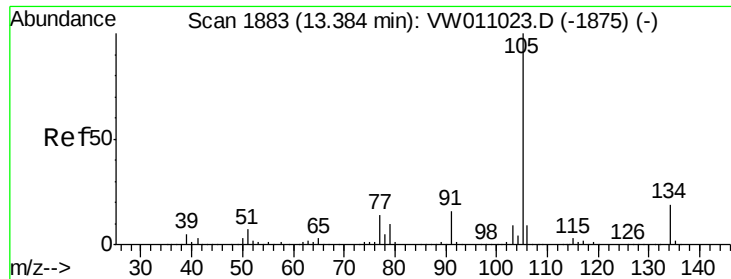
Tot Ion:119 Resp: 438946
Ion Ratio Lower Upper
119 100
91 69.7 35.5 106.5
134 24.7 12.4 37.2



#84
1,2,4-Trimethylbenzene
Concen: 51.296 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011028.D
Acq: 27 Jun 2019 20:25

Tgt Ion:105 Resp: 529739
Ion Ratio Lower Upper
105 100
120 43.9 22.4 67.2

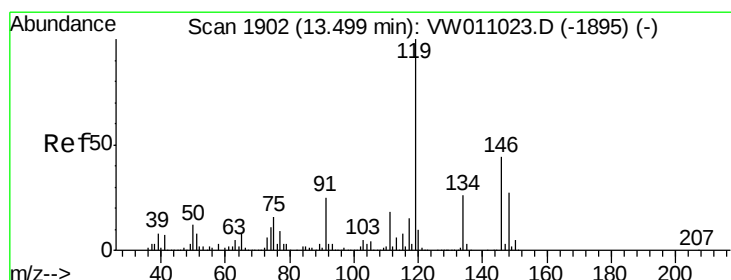
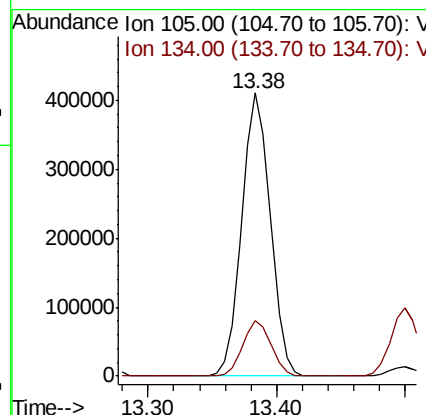
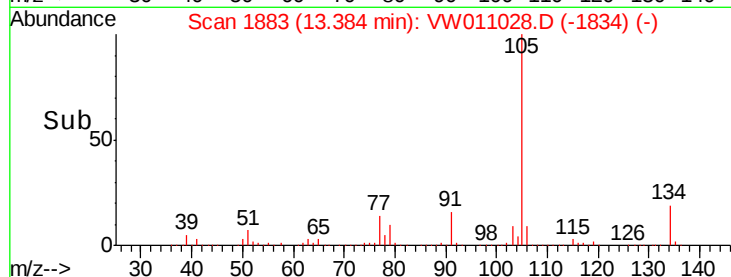
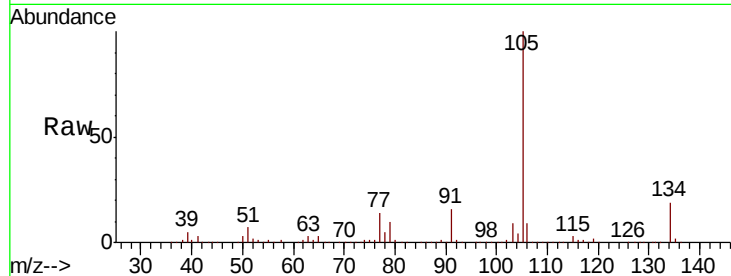




#85
 sec-Butylbenzene
 Concen: 50.719 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

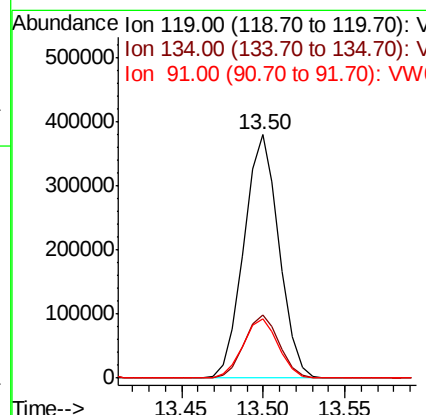
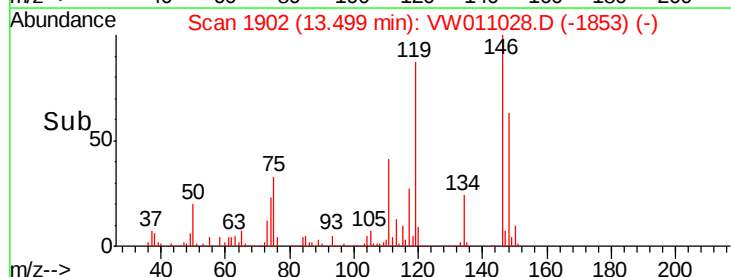
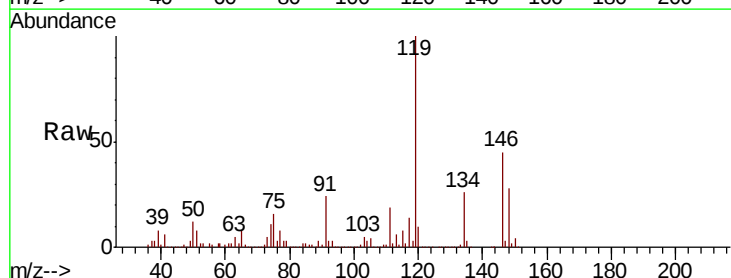
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

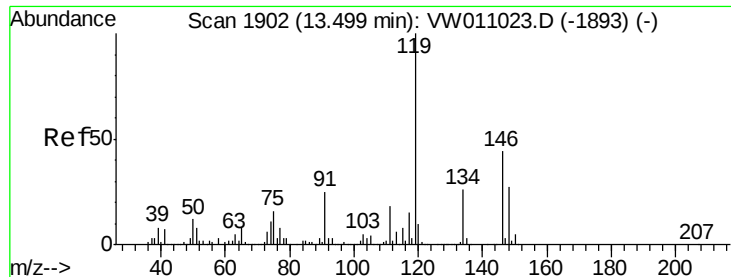
Tot Ion:105 Resp: 627744
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 50.949 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion:119 Resp: 567458
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 24.5 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 50.816 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

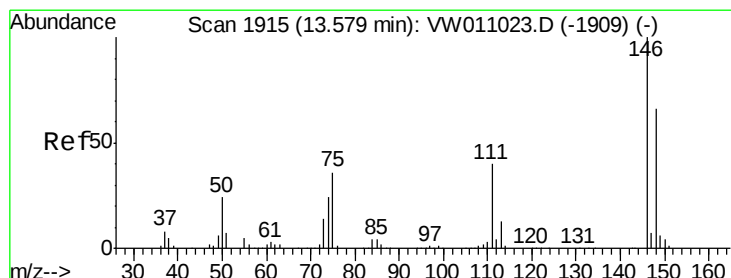
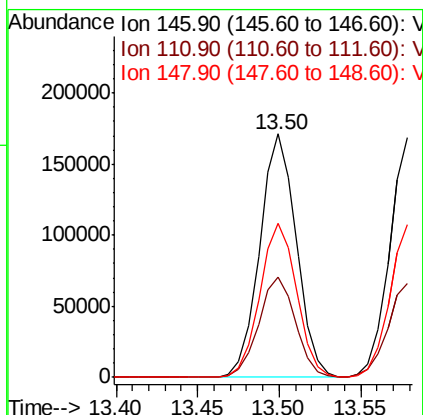
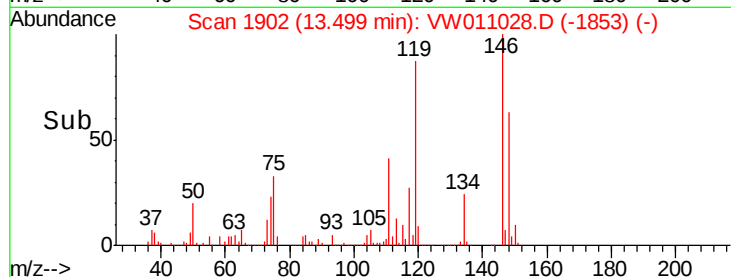
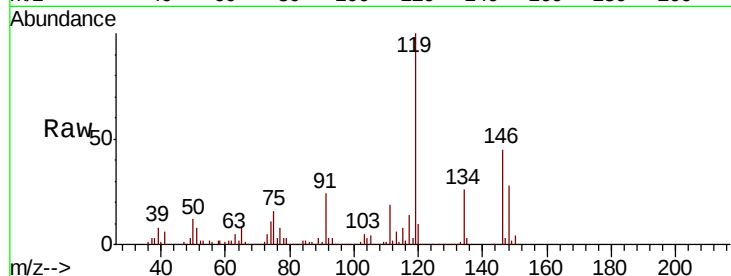
Tot Ion:146 Resp: 266334

Ion Ratio Lower Upper

146 100

111 41.5 20.9 62.8

148 63.5 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 50.626 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

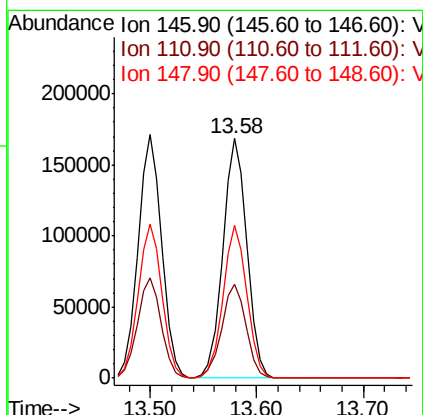
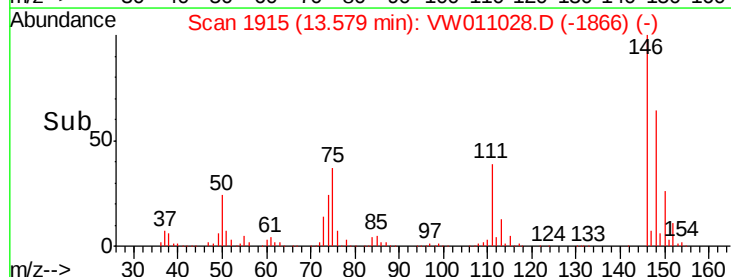
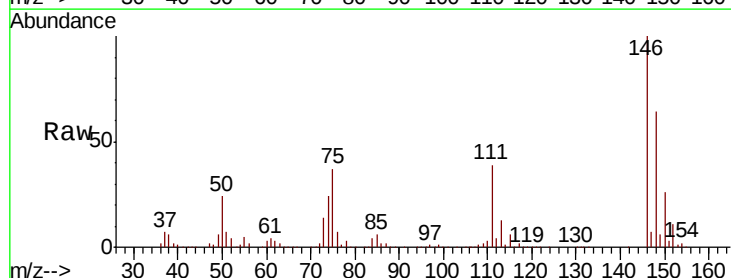
Tgt Ion:146 Resp: 264874

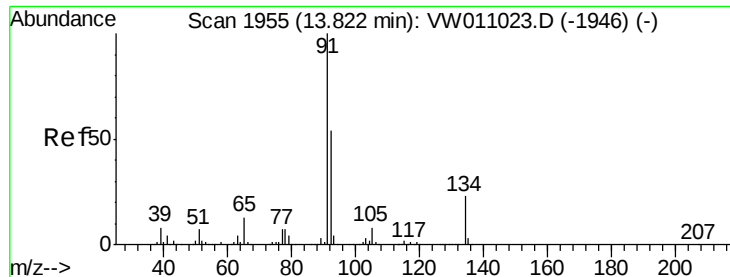
Ion Ratio Lower Upper

146 100

111 39.8 20.6 61.9

148 63.2 32.4 97.2





#89

n-Butylbenzene

Concen: 51.085 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

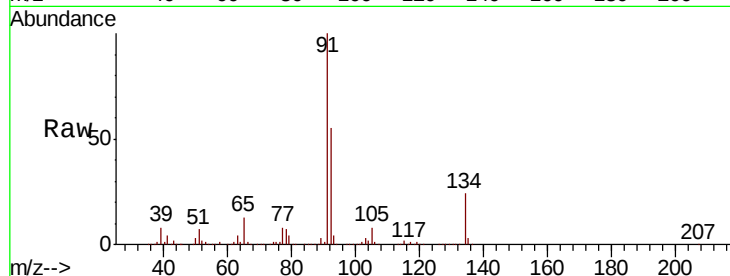
Tot Ion: 91 Resp: 578315

Ion Ratio Lower Upper

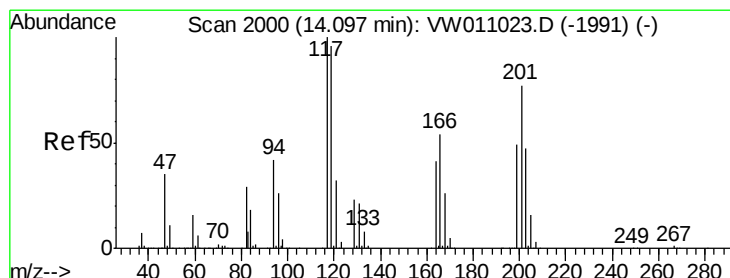
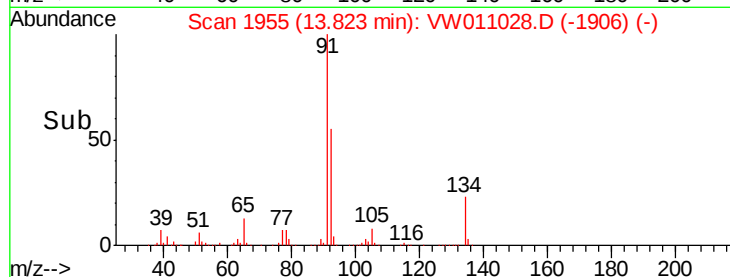
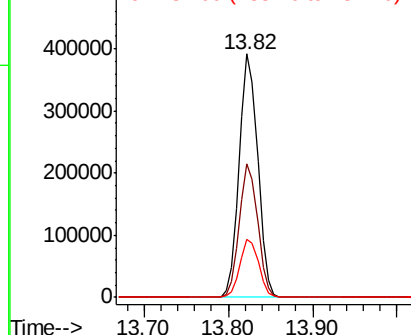
91 100

92 54.2 27.1 81.2

134 24.1 12.0 36.1



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: 52.304 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011028.D

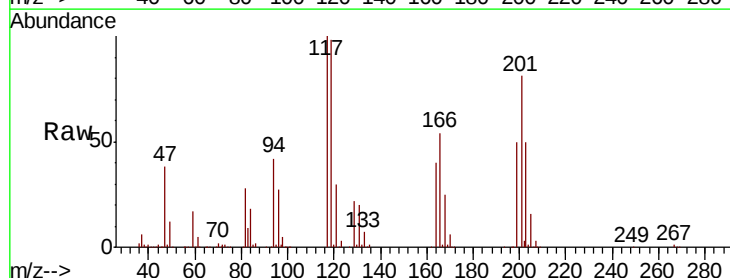
Acq: 27 Jun 2019 20:25

Tgt Ion: 117 Resp: 99676

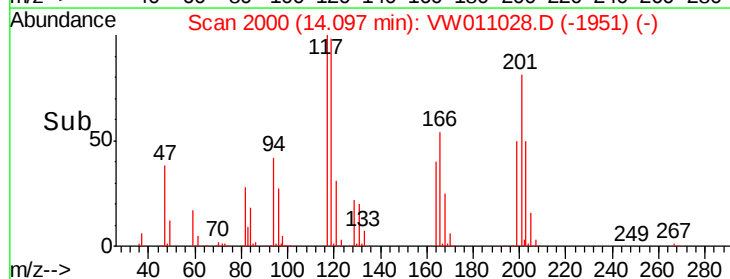
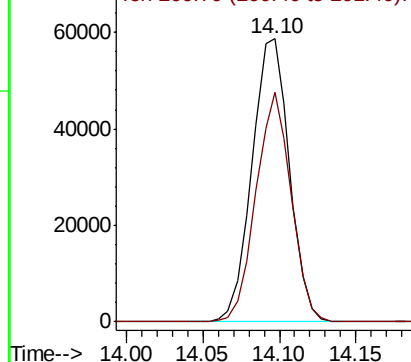
Ion Ratio Lower Upper

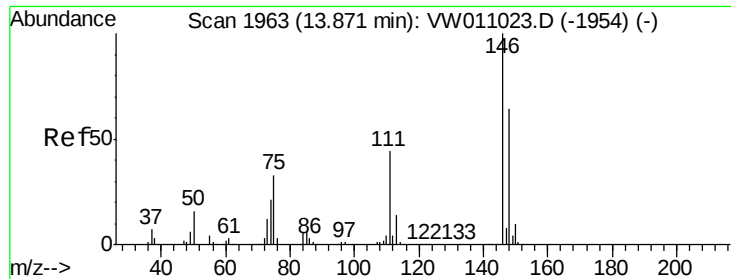
117 100

201 76.5 38.0 114.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

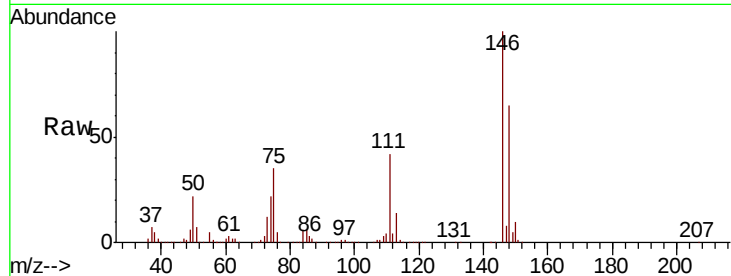




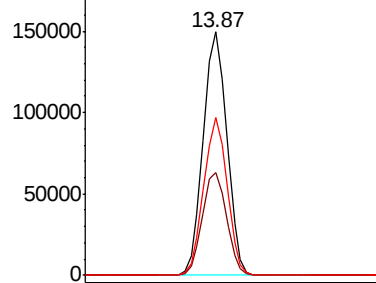
#91
 1,2-Dichlorobenzene
 Concen: 50.868 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

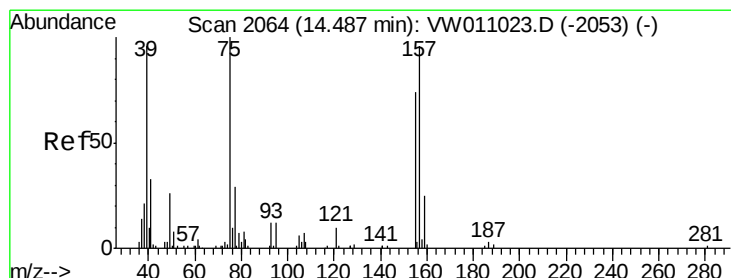
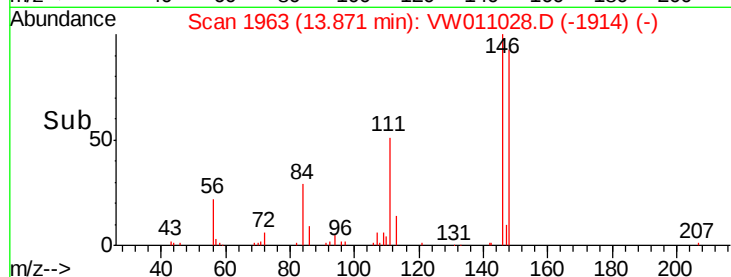
Tot Ion:146 Resp: 239454
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.4 64.3
 148 64.0 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
 200000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

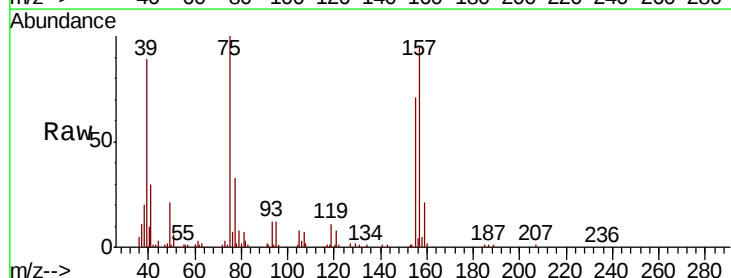


Time-->

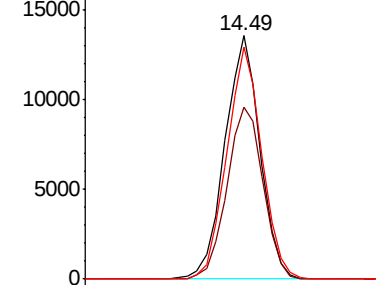


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.617 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

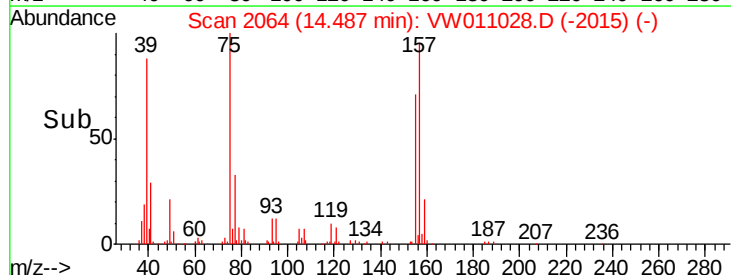
Tgt Ion: 75 Resp: 21570
 Ion Ratio Lower Upper
 75 100
 155 73.1 37.0 110.9
 157 95.0 45.9 137.7

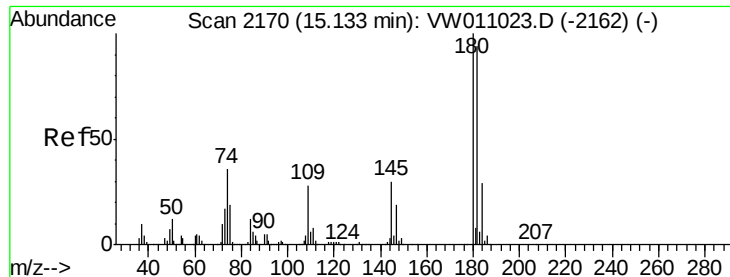


Abundance Ion 74.90 (74.60 to 75.60): VW
 15000 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



Time-->

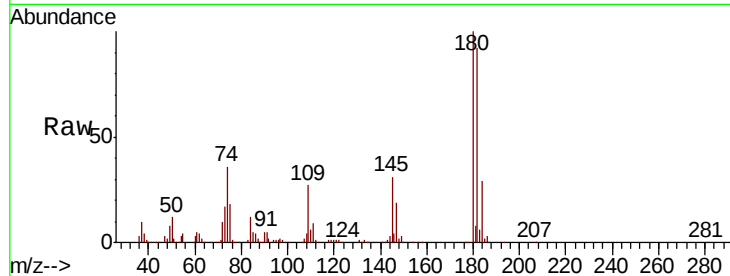




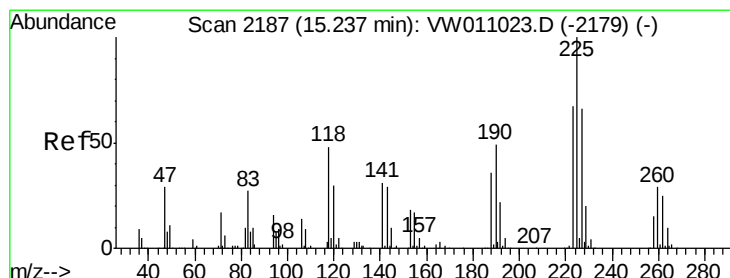
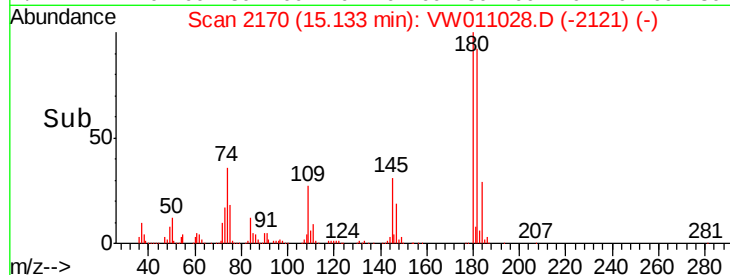
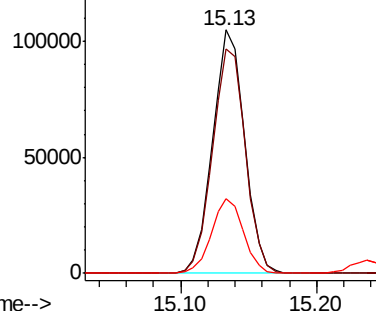
#93
 1,2,4-Trichlorobenzene
 Concen: 51.985 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 172174
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.4 142.2
 145 30.7 15.3 45.8

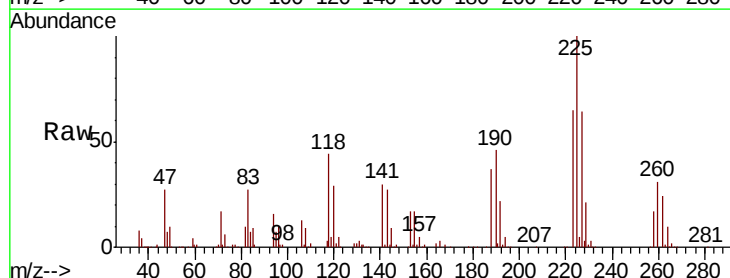


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

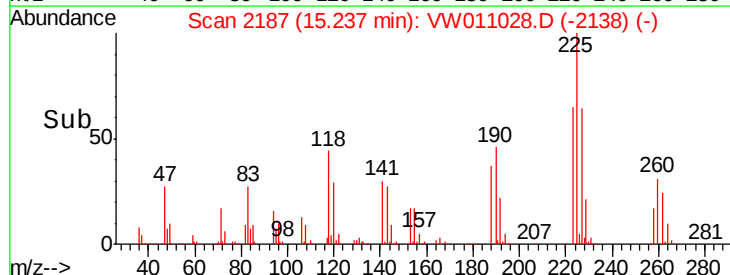
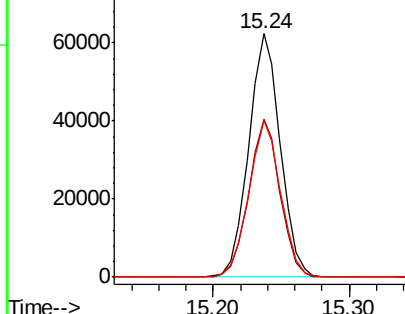


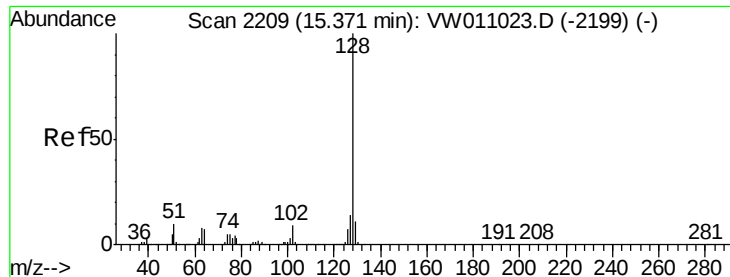
#94
 Hexachlorobutadiene
 Concen: 50.515 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011028.D
 Acq: 27 Jun 2019 20:25

Tgt Ion:225 Resp: 101474
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.9 95.9
 227 64.3 31.9 95.9



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





#95

Naphthalene

Concen: 55.383 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

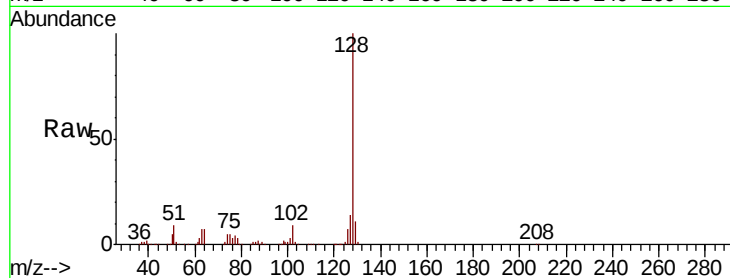
Tot Ion:128 Resp: 344554

Ion Ratio Lower Upper

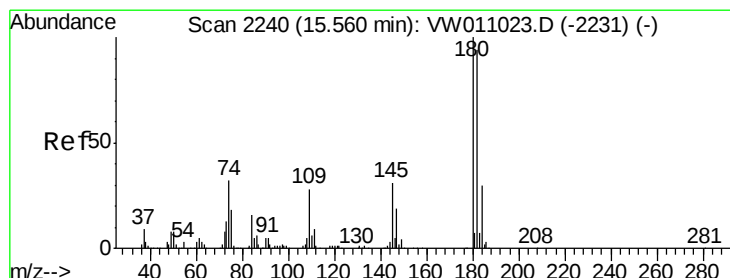
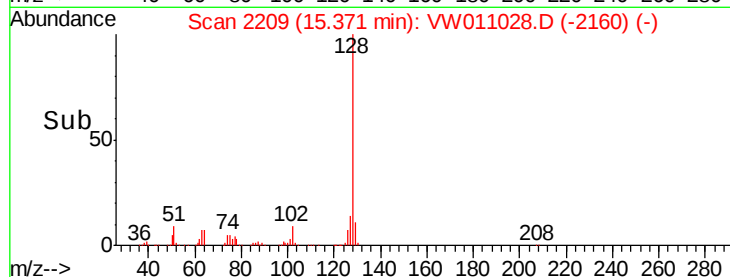
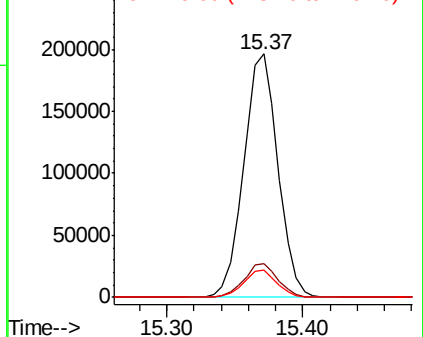
128 100

127 13.6 10.7 16.1

129 11.0 8.8 13.2



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: 52.048 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011028.D

Acq: 27 Jun 2019 20:25

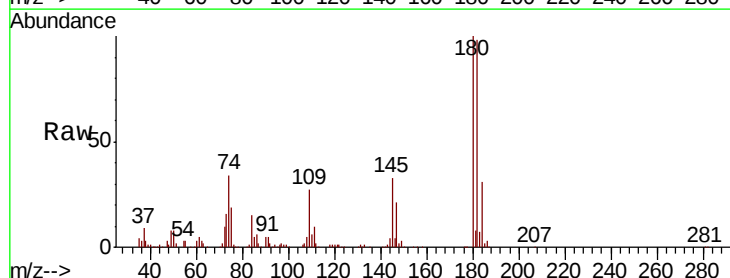
Tgt Ion:180 Resp: 153924

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

145 32.5 16.1 48.2



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

