

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102419\
 Data File : VW013710.D
 Acq On : 24 Oct 2019 14:02
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 25 07:56:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	309512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	434907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	189492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	118847	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.88	113	124344	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.32	98	515237	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.62	95	172766	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	67758	41.554	ug/l	97
3) Chloromethane	2.21	50	82933	47.325	ug/l	97
4) Vinyl Chloride	2.37	62	132501	50.067	ug/l	98
5) Bromomethane	2.78	94	88143	50.641	ug/l	94
6) Chloroethane	2.93	64	80155	50.054	ug/l	98
7) Trichlorofluoromethane	3.26	101	87160	52.727	ug/l	100
8) Diethyl Ether	3.68	74	64962	48.642	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	134657	50.109	ug/l	99
10) Methyl Iodide	4.28	142	217110	49.579	ug/l	99
11) Tert butyl alcohol	5.19	59	31587	227.886	ug/l	99
12) 1,1-Dichloroethene	4.04	96	139620	50.298	ug/l	97
13) Acrolein	3.90	56	37572	236.600	ug/l	100
14) Allyl chloride	4.67	41	210070	49.216	ug/l	99
15) Acrylonitrile	5.37	53	137498	253.196	ug/l	97
16) Acetone	4.13	43	117542	238.759	ug/l	98
17) Carbon Disulfide	4.38	76	400593	50.250	ug/l	100
18) Methyl Acetate	4.67	43	62611	46.395	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	167149	50.179	ug/l	96
20) Methylene Chloride	4.92	84	142881	53.039	ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	150628	50.417	ug/l	98
22) Diisopropyl ether	6.31	45	388881	49.947	ug/l	97
23) Vinyl Acetate	6.25	43	1119899	247.893	ug/l	98
24) 1,1-Dichloroethane	6.21	63	243885	49.460	ug/l	99
25) 2-Butanone	7.17	43	169793	239.895	ug/l	97
26) 2,2-Dichloropropane	7.16	77	138685	48.638	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	156460	49.305	ug/l	99
28) Bromochloromethane	7.51	49	89368	50.846	ug/l #	98
29) Tetrahydrofuran	7.53	42	106866	243.881	ug/l	99
30) Chloroform	7.68	83	241800	49.605	ug/l	99
31) Cyclohexane	7.96	56	245531	47.581	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	194163	50.759	ug/l	100
36) 1,1-Dichloropropene	8.08	75	206665	51.024	ug/l	98
37) Ethyl Acetate	7.25	43	73299	47.276	ug/l	99
38) Carbon Tetrachloride	8.07	117	185911	50.972	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	263821	50.438	ug/l	99
40) Benzene	8.32	78	569761	49.707	ug/l	99
41) Methacrylonitrile	7.48	41	44980	46.522	ug/l	98
42) 1,2-Dichloroethane	8.40	62	144579	50.054	ug/l	100
43) Isopropyl Acetate	8.42	43	144547	48.705	ug/l	100
44) Trichloroethene	9.09	130	164725	50.169	ug/l	99
45) 1,2-Dichloropropane	9.37	63	135217	49.387	ug/l	97
46) Dibromomethane	9.46	93	66445	50.002	ug/l	99
47) Bromodichloromethane	9.65	83	172792	50.255	ug/l	99
48) Methyl methacrylate	9.43	41	72819	49.479	ug/l	98
49) 1,4-Dioxane	9.46	88	20580	1048.051	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	364394	247.089	ug/l	98
52) Toluene	10.39	92	371997	50.312	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	174808	50.222	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	214707	49.997	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	96899	48.928	ug/l	98
56) Ethyl methacrylate	10.65	69	123587	49.878	ug/l	99
57) 1,3-Dichloropropane	10.93	76	167888	49.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	292855	256.809	ug/l	99
59) 2-Hexanone	10.97	43	251572	247.443	ug/l	99
60) Dibromochloromethane	11.13	129	117440	49.945	ug/l	100
61) 1,2-Dibromoethane	11.24	107	92607	49.427	ug/l	99
64) Tetrachloroethene	10.86	164	142508	50.439	ug/l	98
65) Chlorobenzene	11.66	112	380623	50.089	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	135389	51.052	ug/l	99
67) Ethyl Benzene	11.73	91	701489	51.196	ug/l	100
68) m/p-Xylenes	11.84	106	535301	101.117	ug/l	100
69) o-Xylene	12.16	106	245656	50.485	ug/l	99
70) Styrene	12.18	104	434829	52.011	ug/l	99
71) Bromoform	12.35	173	69279	49.779	ug/l #	97
73) Isopropylbenzene	12.46	105	697587	51.263	ug/l	100
74) N-amyl acetate	12.27	43	131532	49.967	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	105984	49.354	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	135750	99.756	ug/l #	100
77) Bromobenzene	12.75	156	163113	50.177	ug/l	98
78) n-propylbenzene	12.80	91	813589	51.655	ug/l	99
79) 2-Chlorotoluene	12.89	91	450532	50.901	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	587113	51.109	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35339	49.078	ug/l	99
82) 4-Chlorotoluene	12.99	91	471078	50.695	ug/l	99
83) tert-Butylbenzene	13.21	119	521118	51.106	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	588686	51.950	ug/l	99
85) sec-Butylbenzene	13.38	105	725010	51.996	ug/l	100
86) p-Isopropyltoluene	13.50	119	667080	51.359	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	317663	50.435	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	312686	49.972	ug/l	99
89) n-Butylbenzene	13.82	91	609150	51.958	ug/l	100
90) Hexachloroethane	14.10	117	114451	50.695	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	277055	50.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16008	49.298	ug/l	95

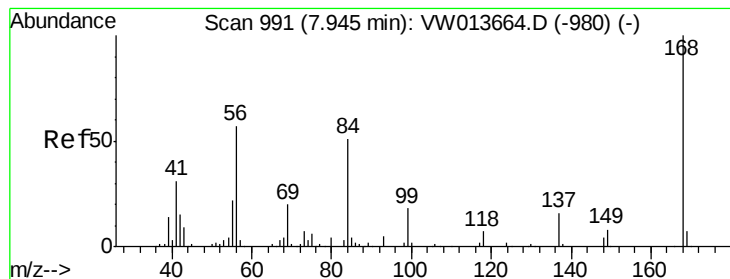
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	198461	49.934	ug/l	98
94) Hexachlorobutadiene	15.24	225	135357	50.448	ug/l	99
95) Naphthalene	15.36	128	321066	51.524	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	170672	49.836	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

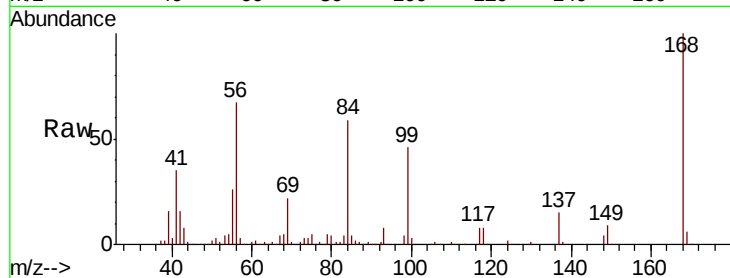
VSTDCCC050

Tot Ion:168 Resp: 309512

Ion Ratio Lower Upper

168 100

99 45.9 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

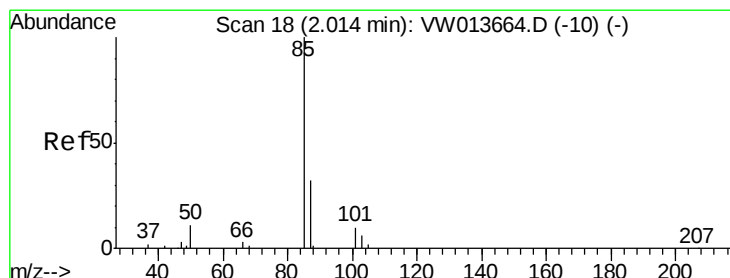
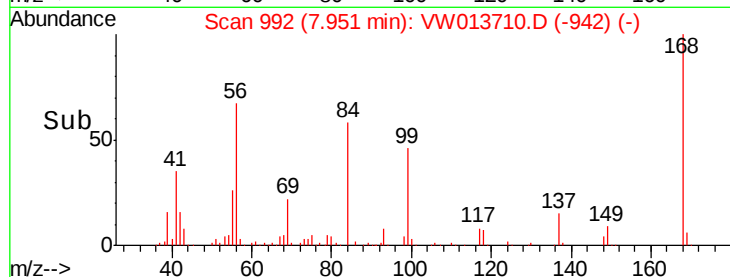
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 41.554 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013710.D

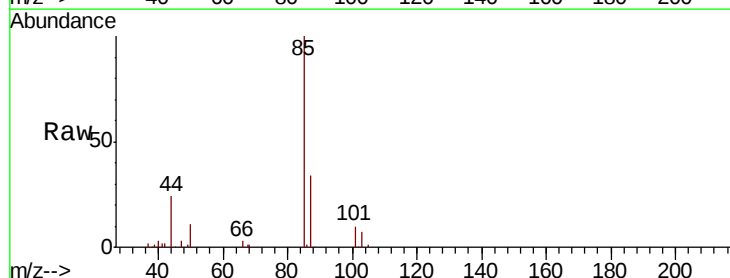
Acq: 24 Oct 2019 14:02

Tgt Ion: 85 Resp: 67758

Ion Ratio Lower Upper

85 100

87 33.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

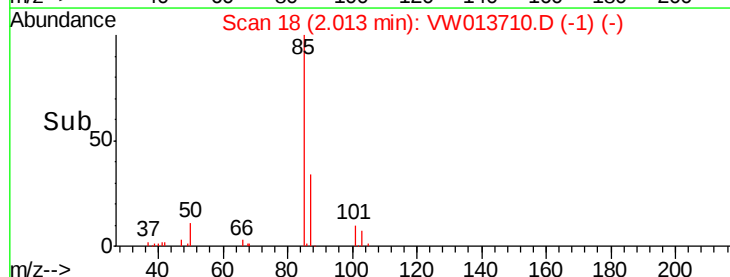
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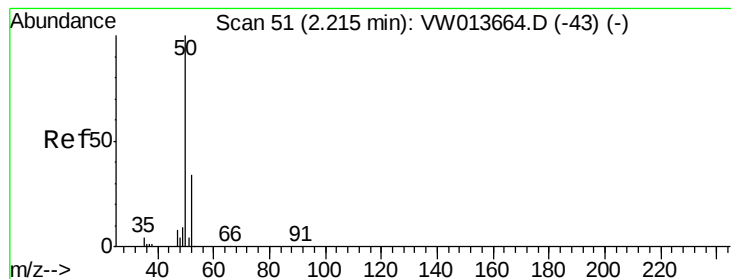
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 47.325 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

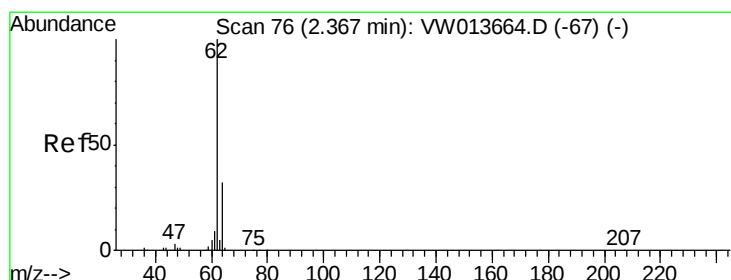
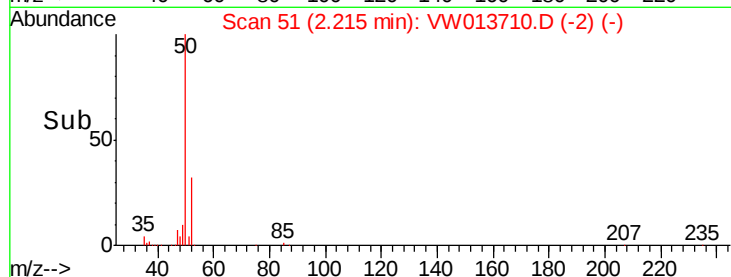
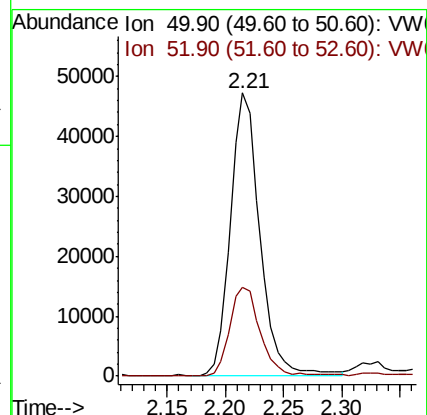
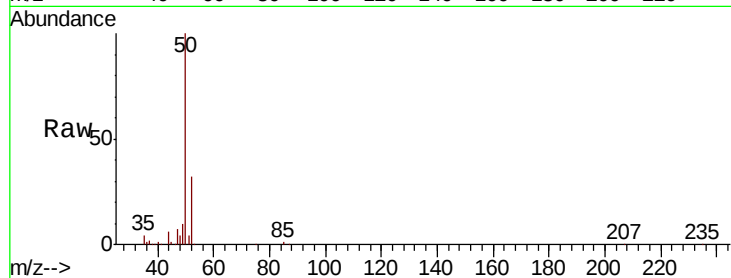
VSTDCCC050

Tot Ion: 50 Resp: 82933

Ion Ratio Lower Upper

50 100

52 31.6 26.9 40.3



#4

Vinyl Chloride

Concen: 50.067 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013710.D

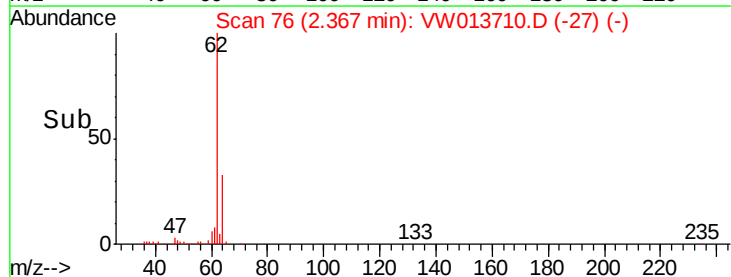
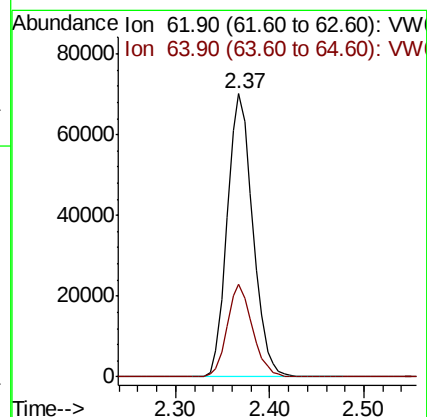
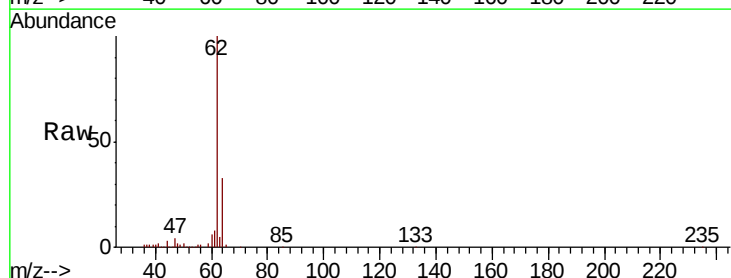
Acq: 24 Oct 2019 14:02

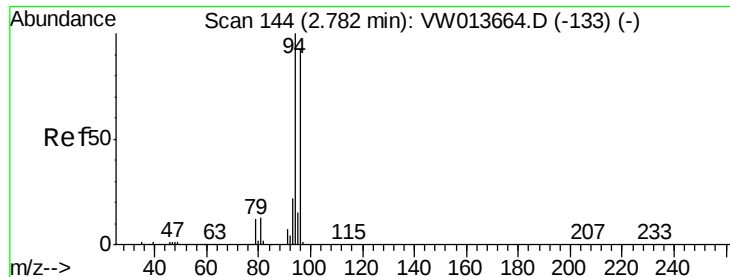
Tgt Ion: 62 Resp: 132501

Ion Ratio Lower Upper

62 100

64 32.9 25.5 38.3





#5

Bromomethane

Concen: 50.641 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

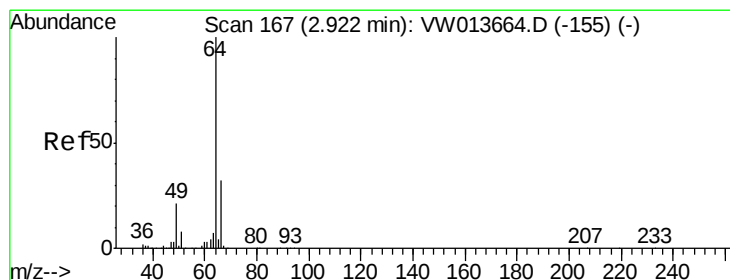
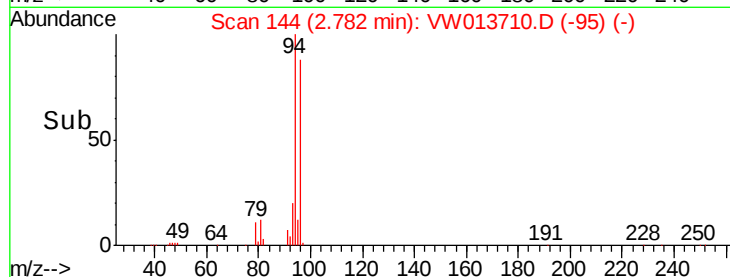
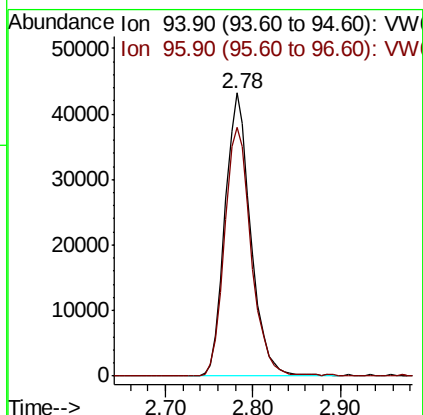
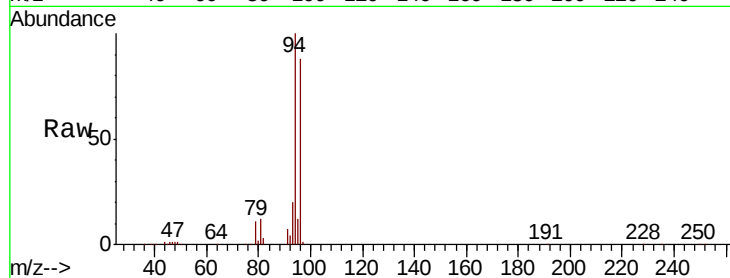
VSTDCCC050

Tot Ion: 94 Resp: 88143

Ion Ratio Lower Upper

94 100

96 87.9 74.6 112.0



#6

Chloroethane

Concen: 50.054 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW013710.D

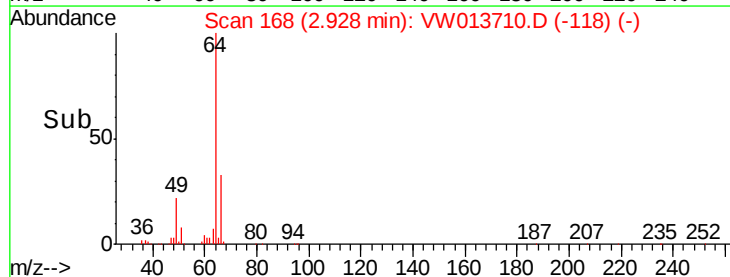
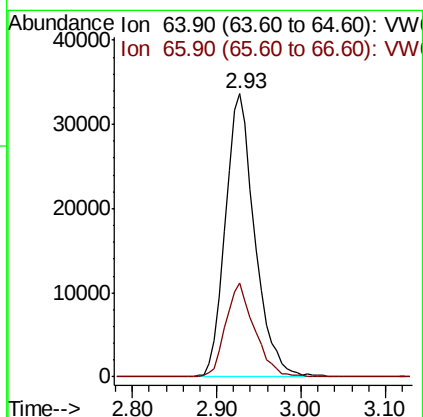
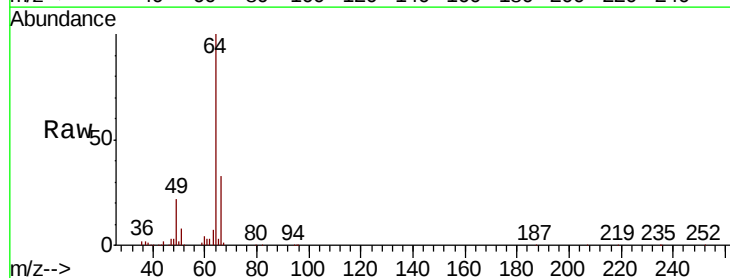
Acq: 24 Oct 2019 14:02

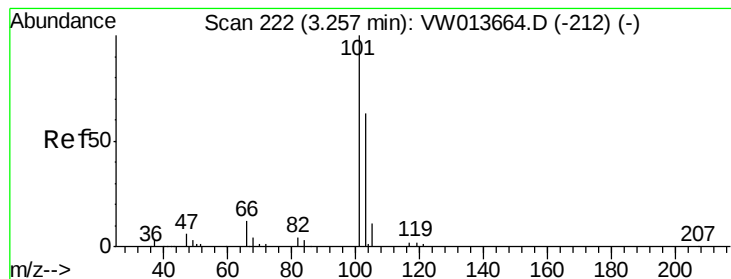
Tgt Ion: 64 Resp: 80155

Ion Ratio Lower Upper

64 100

66 33.0 25.4 38.0



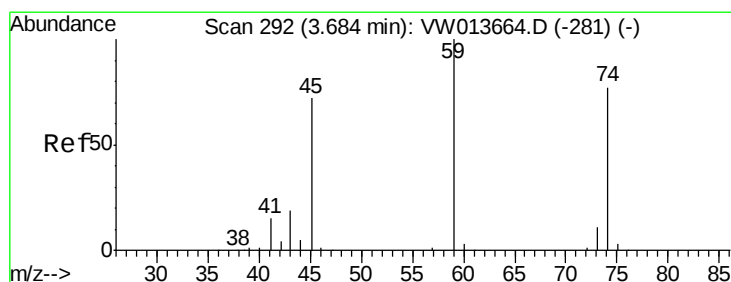
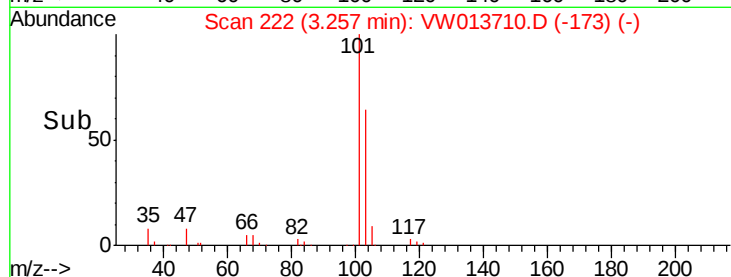
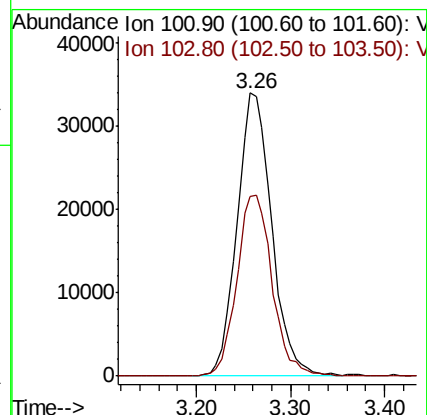
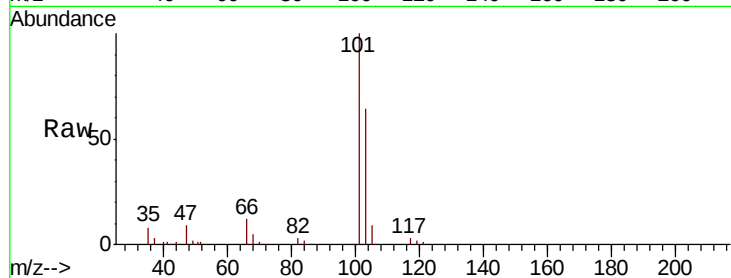


#7

Trichlorofluoromethane
 Concen: 52.727 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

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 VSTDCCC050

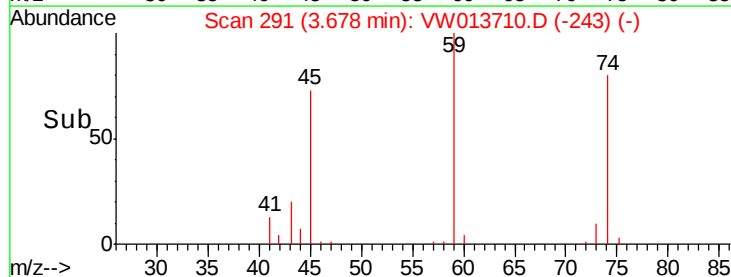
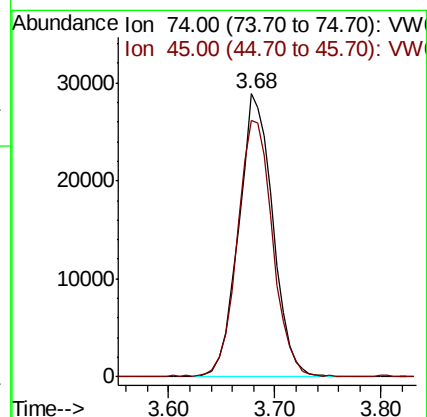
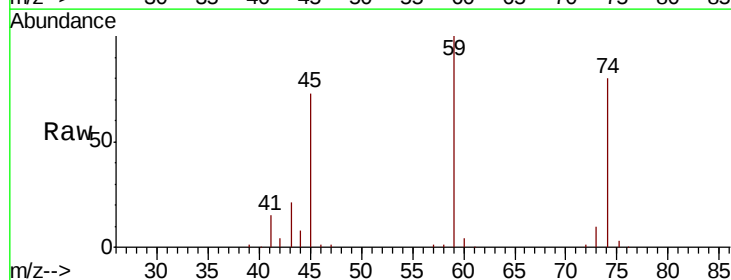
Tot Ion:101 Resp: 87160
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.6 76.0

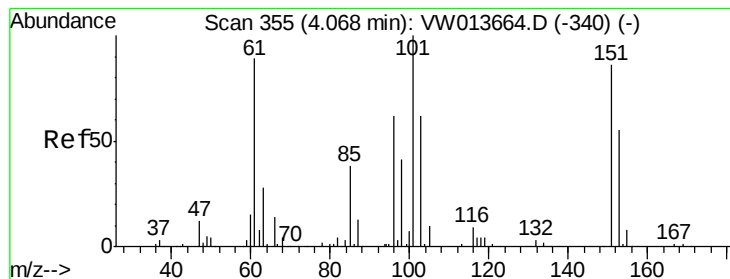


#8

Diethyl Ether
 Concen: 48.642 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Tgt Ion: 74 Resp: 64962
 Ion Ratio Lower Upper
 74 100
 45 93.9 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.109 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

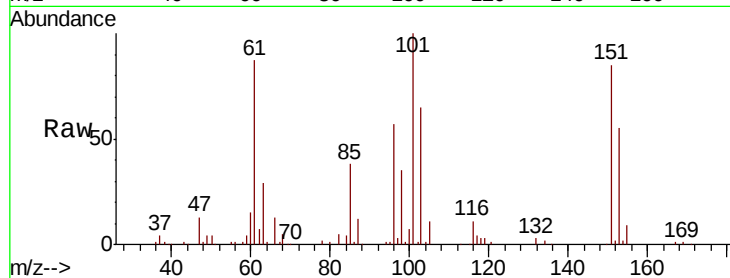
Tot Ion:101 Resp: 134657

Ion Ratio Lower Upper

101 100

85 40.3 31.0 46.6

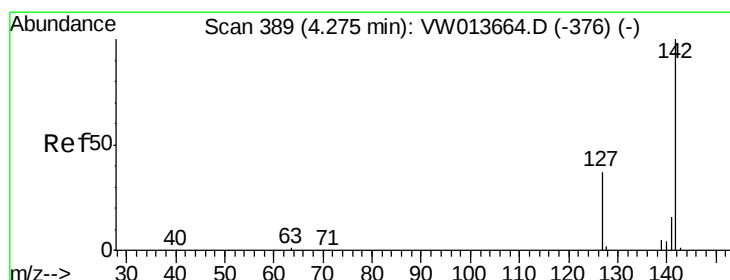
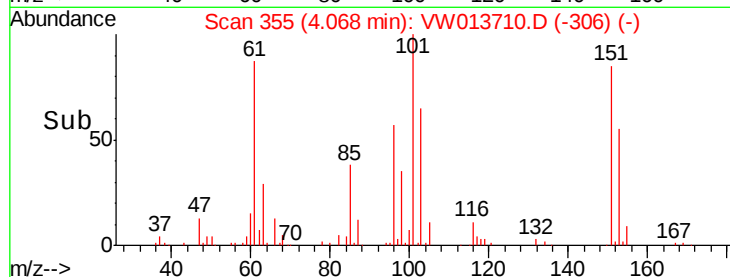
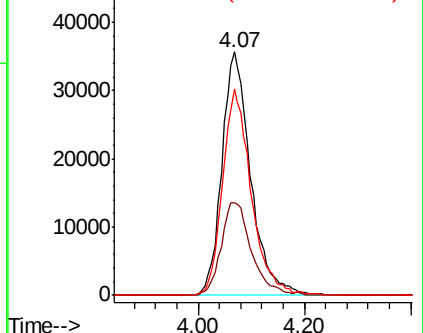
151 84.6 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.579 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

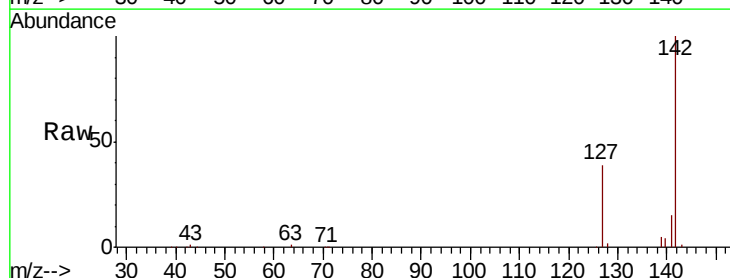
Tgt Ion:142 Resp: 217110

Ion Ratio Lower Upper

142 100

127 38.4 30.3 45.5

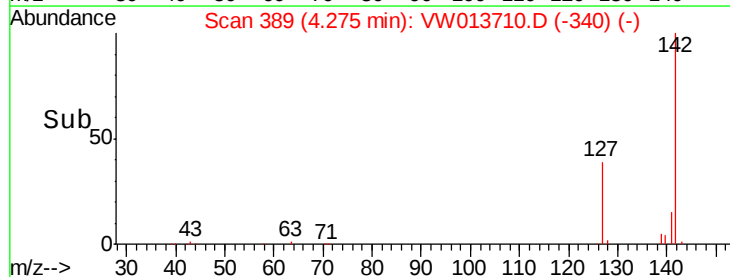
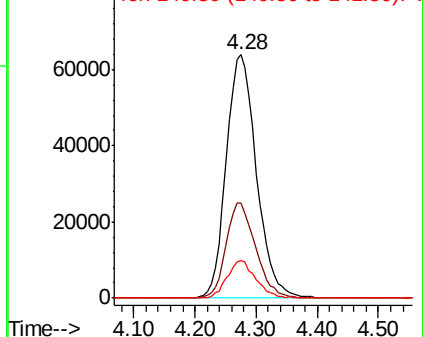
141 14.6 11.8 17.8

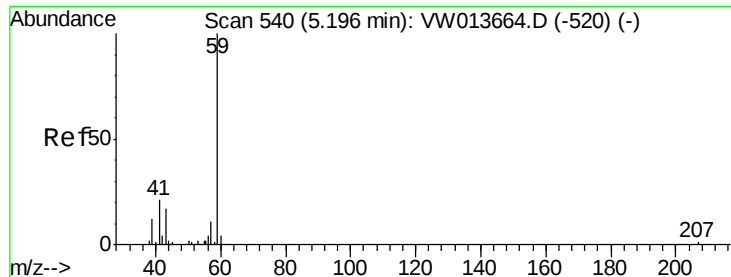


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 227.886 ug/l

RT: 5.19 min Scan# 539

Delta R.T. -0.01 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

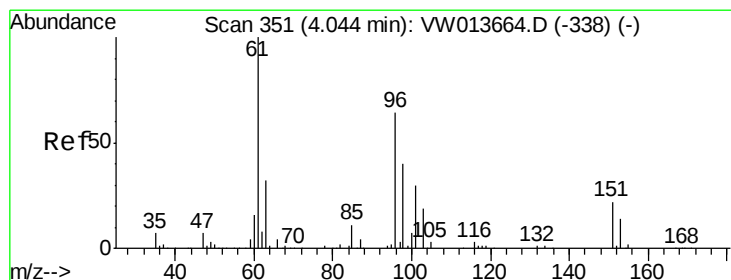
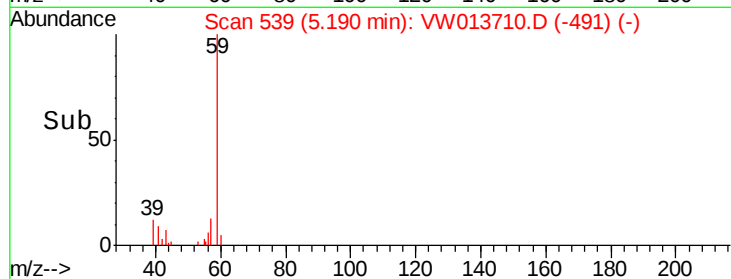
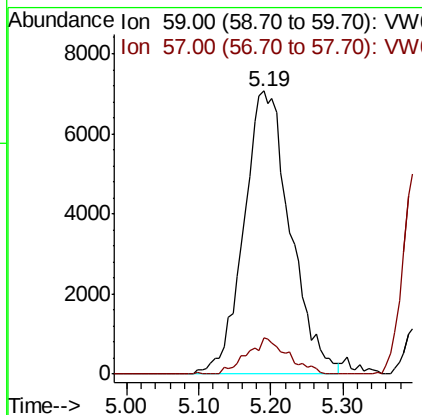
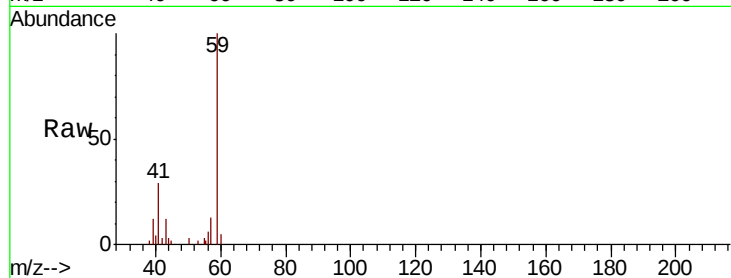
VSTDCCC050

Tot Ion: 59 Resp: 31587

Ion Ratio Lower Upper

59 100

57 11.3 8.8 13.2



#12

1,1-Dichloroethene

Concen: 50.298 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

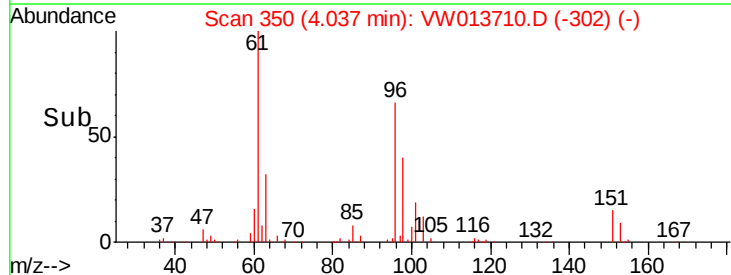
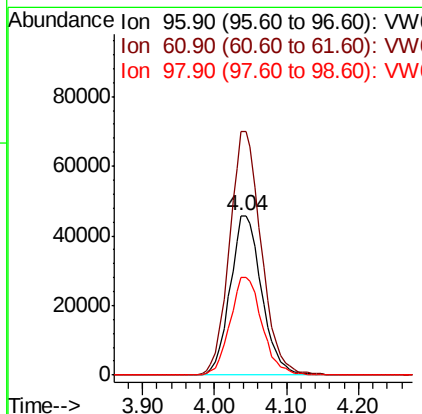
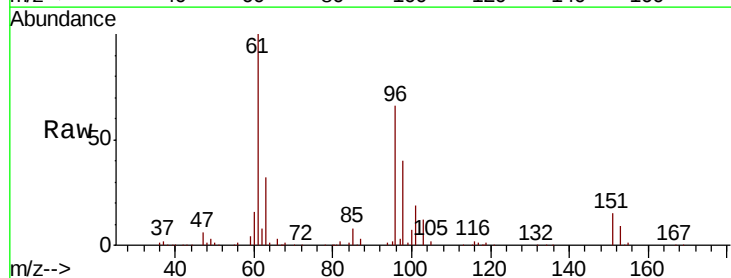
Tgt Ion: 96 Resp: 139620

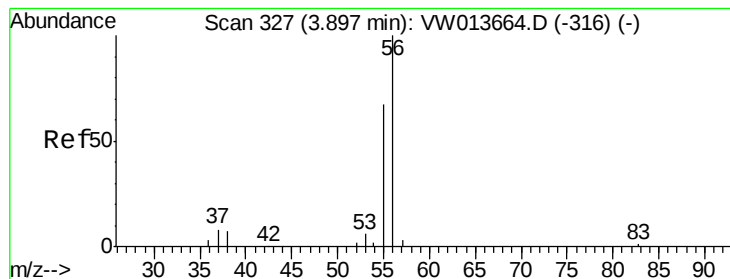
Ion Ratio Lower Upper

96 100

61 152.4 125.0 187.6

98 61.1 50.3 75.5





#13

Acrolein

Concen: 236.600 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

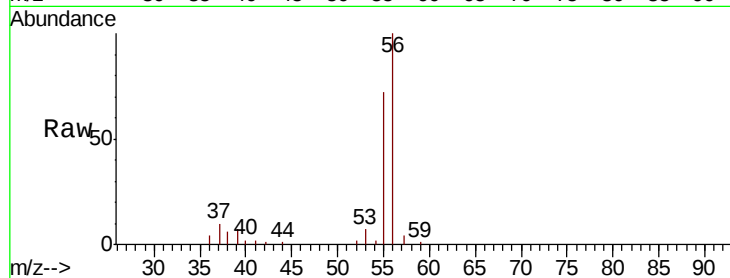
VSTDCCC050

Tot Ion: 56 Resp: 37572

Ion Ratio Lower Upper

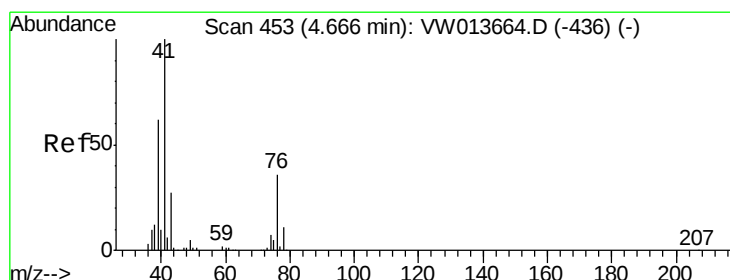
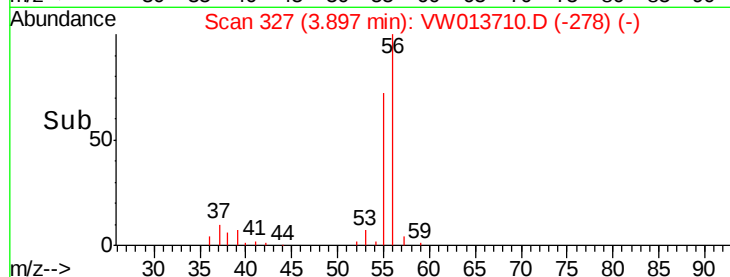
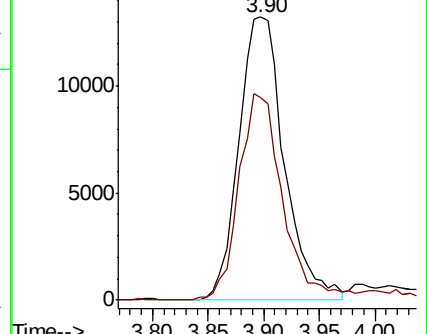
56 100

55 70.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 49.216 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

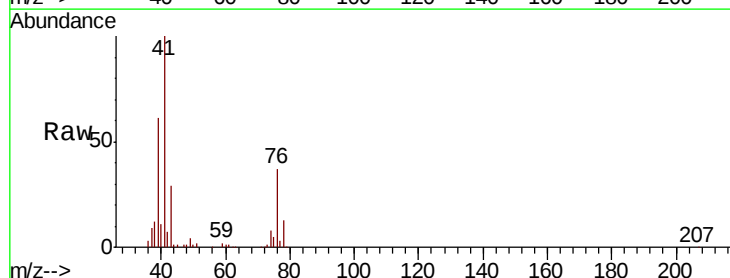
Tgt Ion: 41 Resp: 210070

Ion Ratio Lower Upper

41 100

39 61.7 50.0 75.0

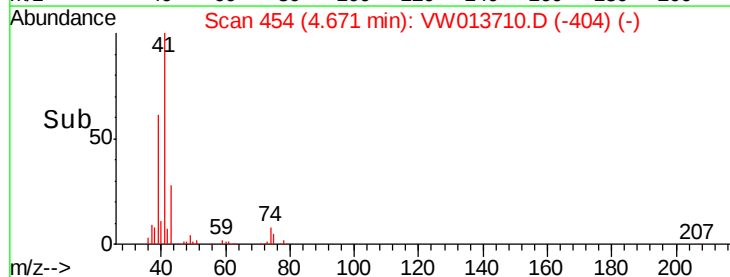
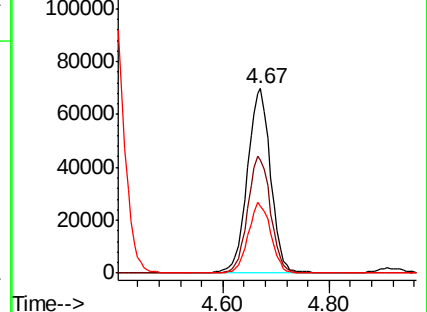
76 36.9 29.6 44.4

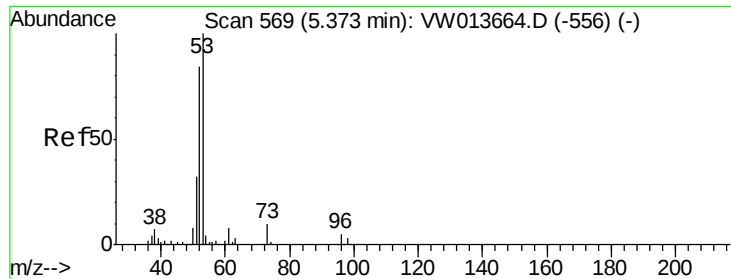


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 253.196 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

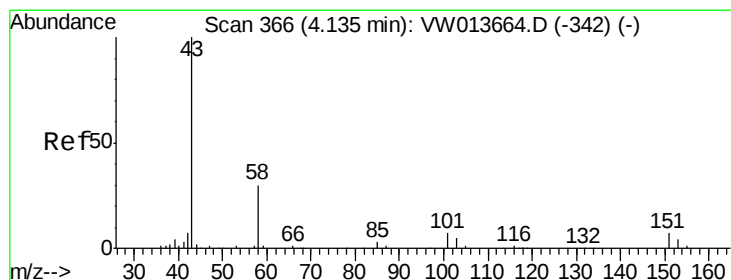
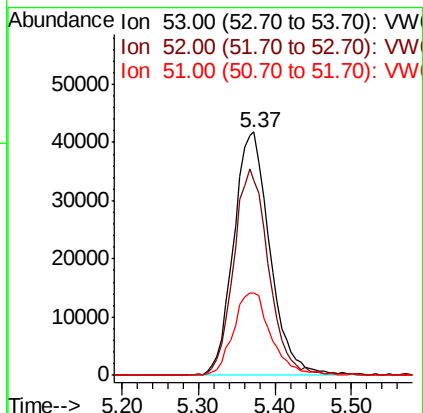
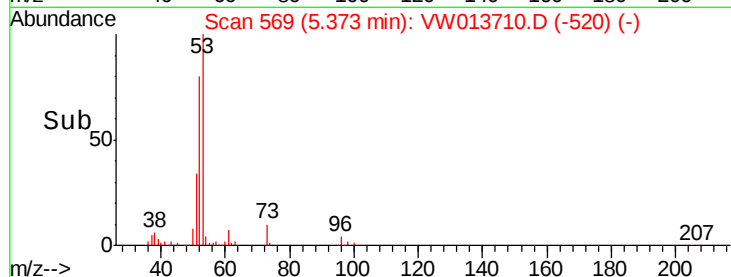
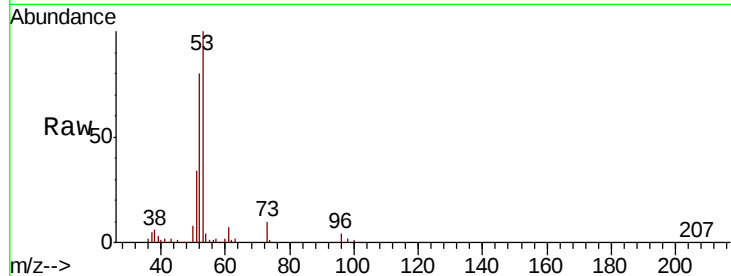
Tot Ion: 53 Resp: 137498

Ion Ratio Lower Upper

53 100

52 81.6 67.4 101.0

51 35.3 29.1 43.7



#16

Acetone

Concen: 238.759 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013710.D

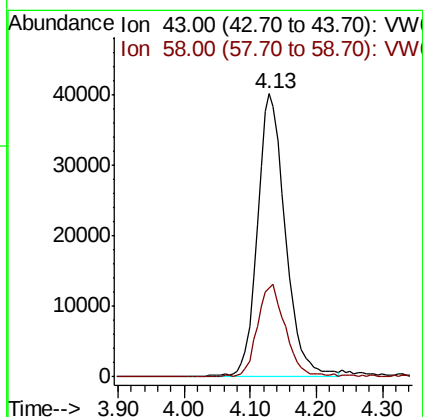
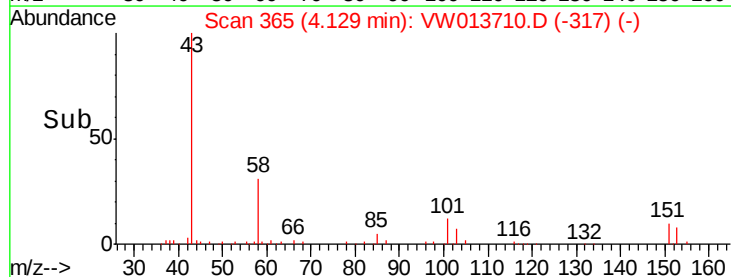
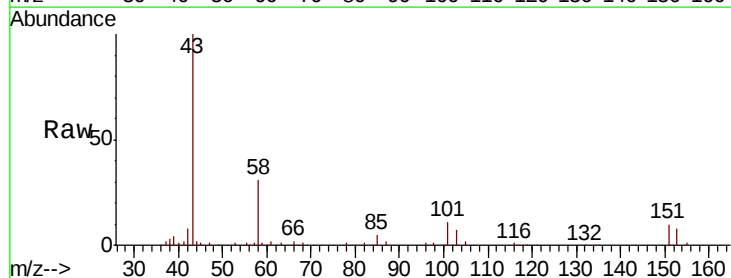
Acq: 24 Oct 2019 14:02

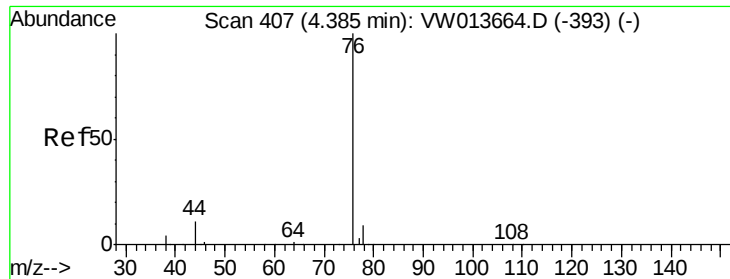
Tgt Ion: 43 Resp: 117542

Ion Ratio Lower Upper

43 100

58 31.2 24.1 36.1

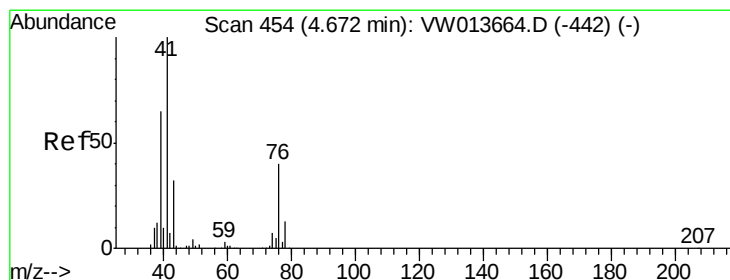
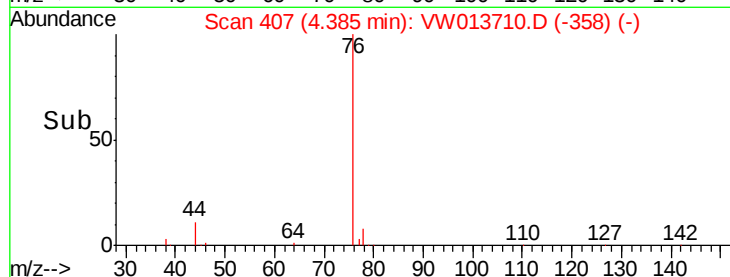
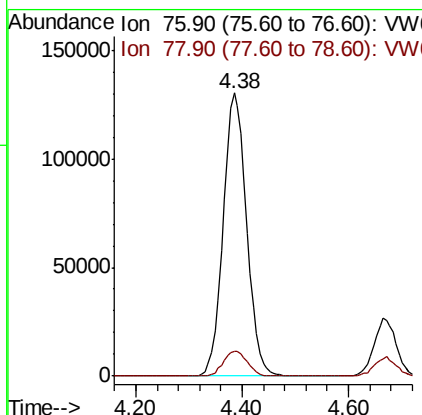
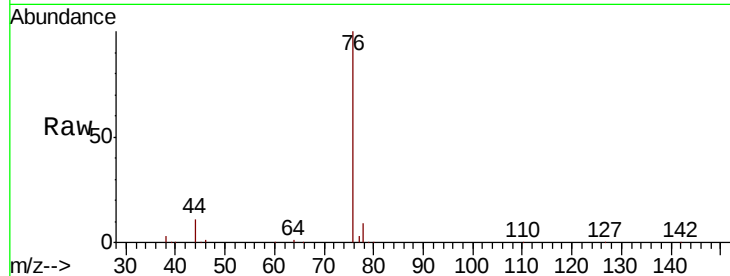




#17
Carbon Disulfide
Concen: 50.250 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

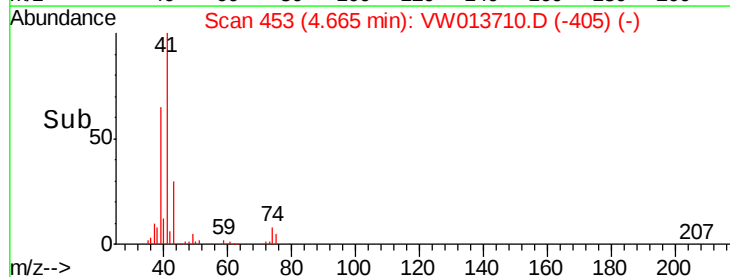
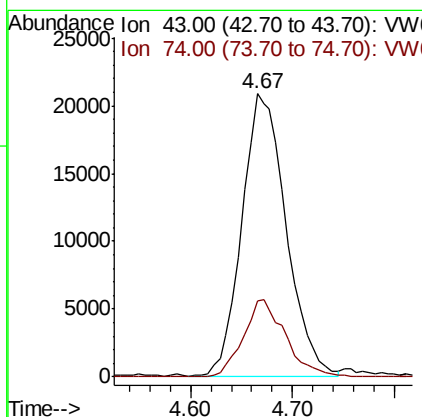
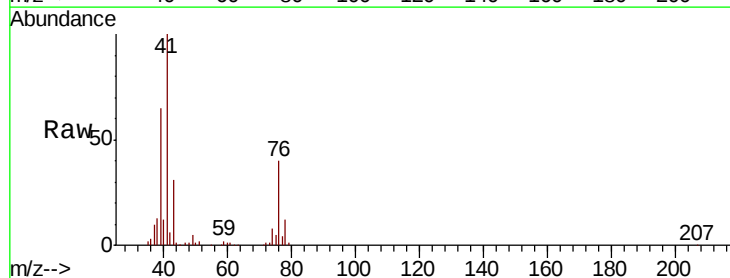
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

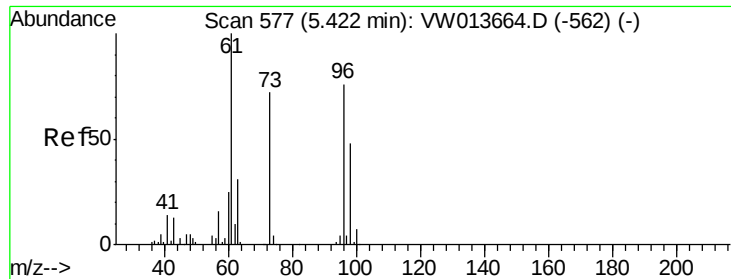
Tot Ion: 76 Resp: 400593
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 46.395 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion: 43 Resp: 62611
Ion Ratio Lower Upper
43 100
74 26.1 19.8 29.8

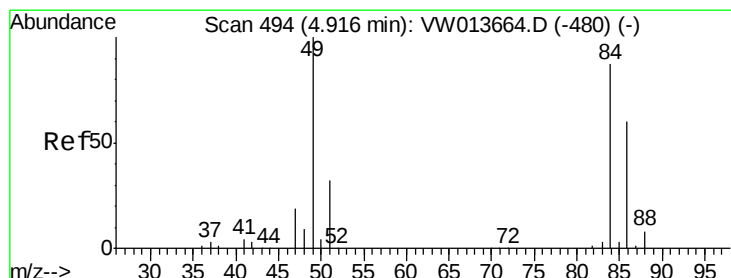
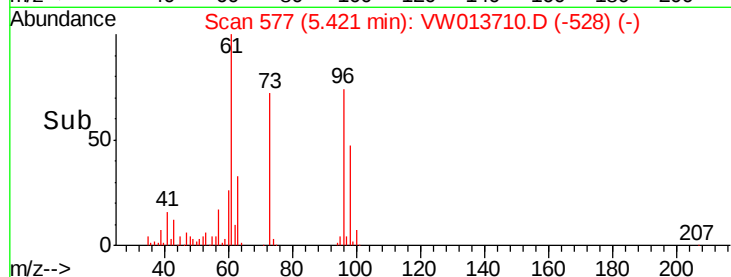
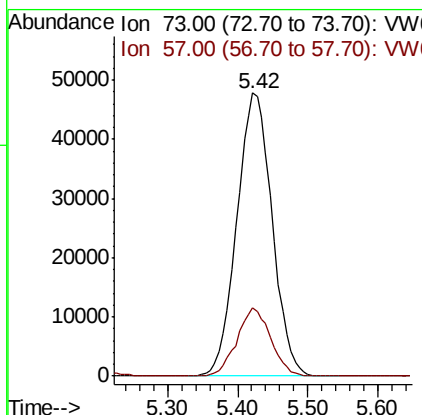
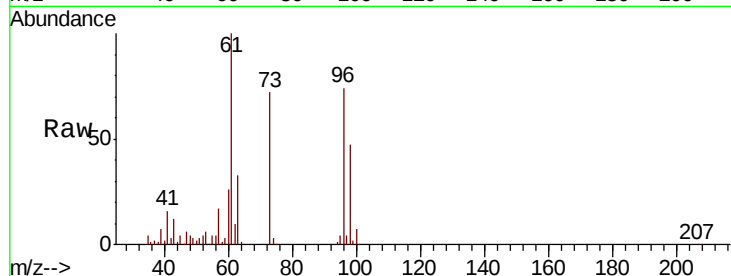




#19
Methyl tert-butyl Ether
Concen: 50.179 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

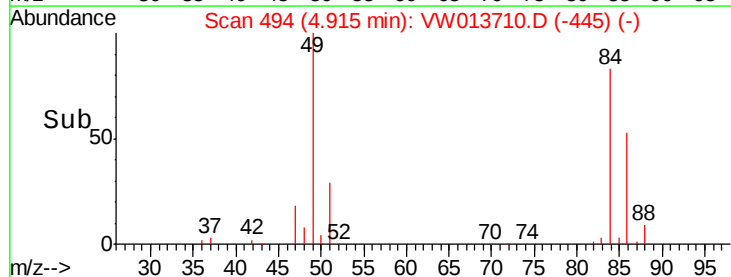
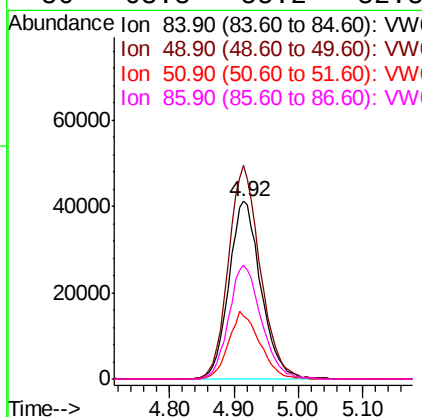
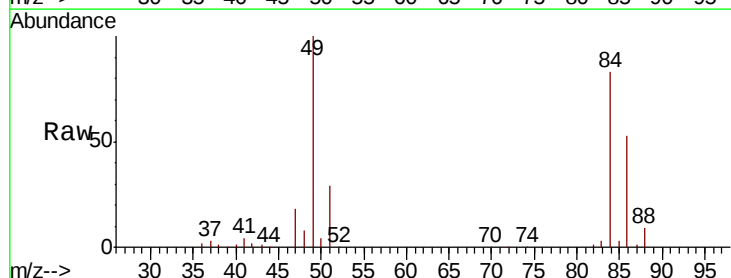
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

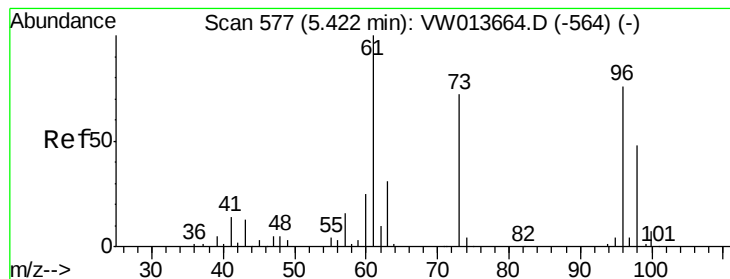
Tot Ion: 73 Resp: 167149
Ion Ratio Lower Upper
73 100
57 24.0 17.6 26.4



#20
Methylene Chloride
Concen: 53.039 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion: 84 Resp: 142881
Ion Ratio Lower Upper
84 100
49 120.2 91.8 137.6
51 35.3 29.8 44.6
86 63.8 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 50.417 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

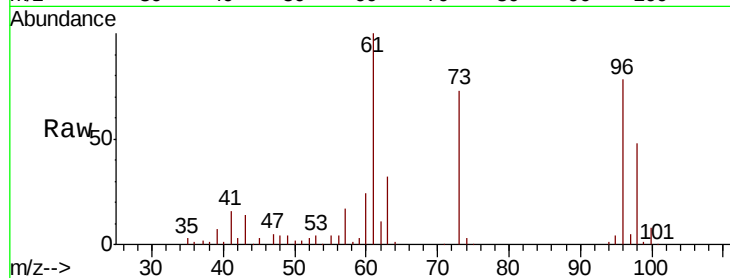
Tot Ion: 96 Resp: 150628

Ion Ratio Lower Upper

96 100

61 128.9 104.8 157.2

98 62.3 50.6 76.0

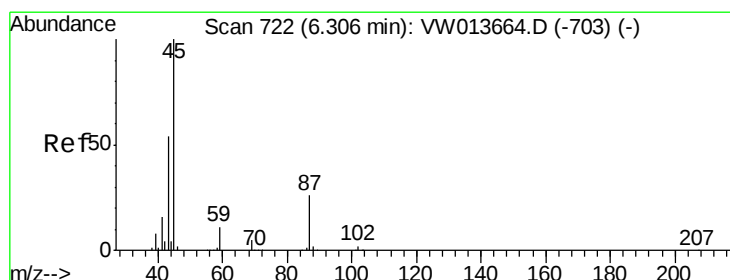
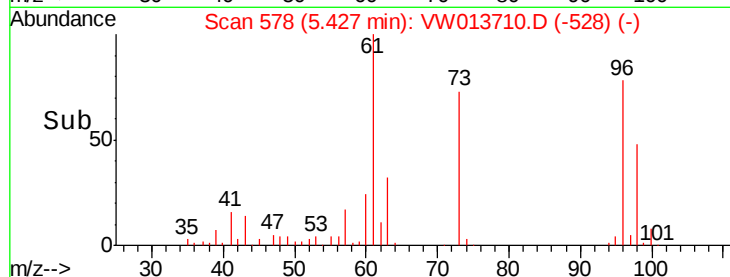
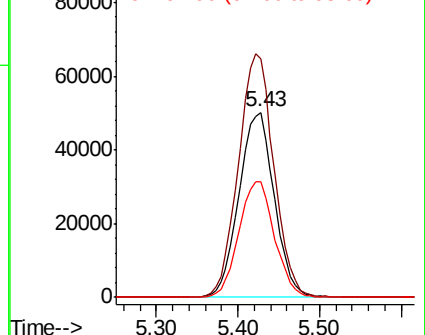


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 49.947 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Tgt Ion: 45 Resp: 388881

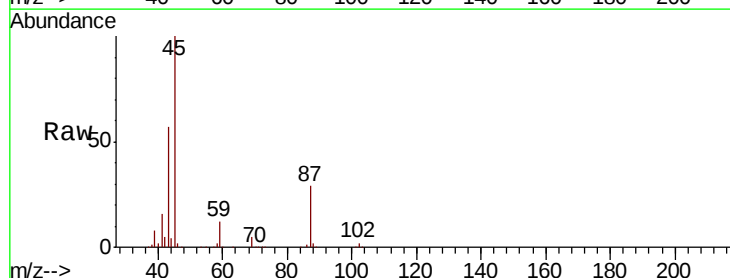
Ion Ratio Lower Upper

45 100

43 56.7 43.4 65.2

87 29.0 21.5 32.3

59 11.8 9.2 13.8



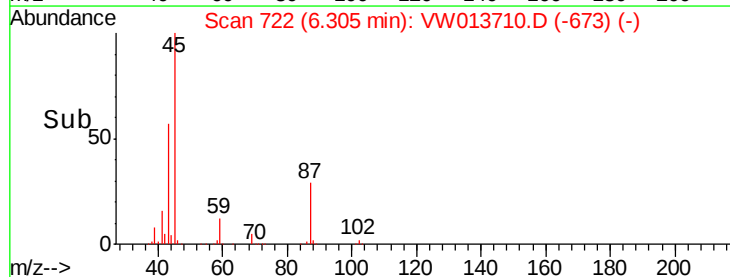
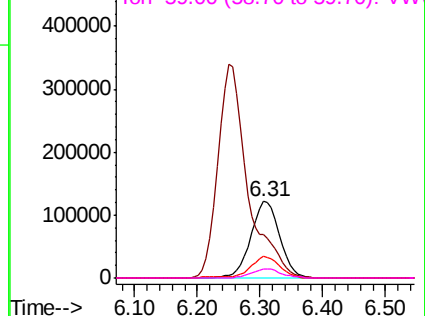
Abundance

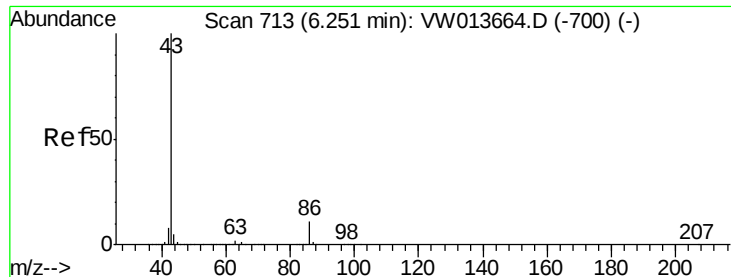
Ion 45.00 (44.70 to 45.70): VW

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: 247.893 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

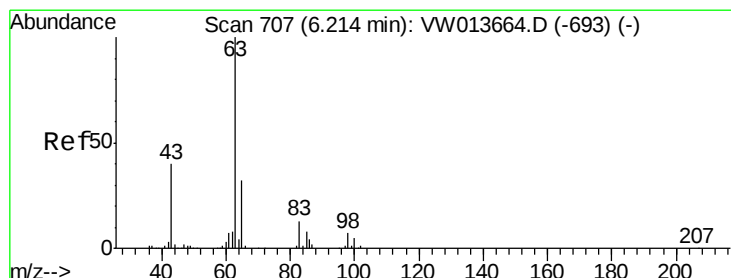
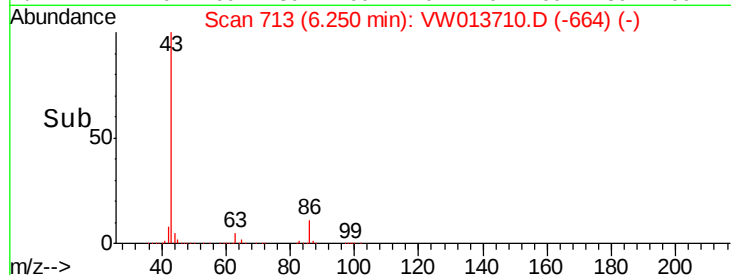
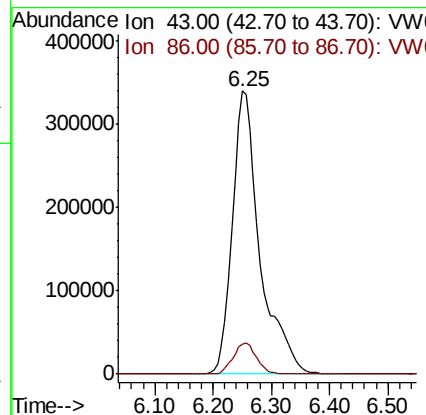
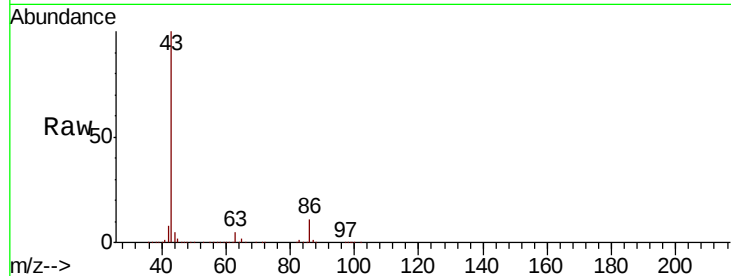
VSTDCCC050

Tot Ion: 43 Resp: 1119899

Ion Ratio Lower Upper

43 100

86 10.7 9.0 13.6



#24

1,1-Dichloroethane

Concen: 49.460 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

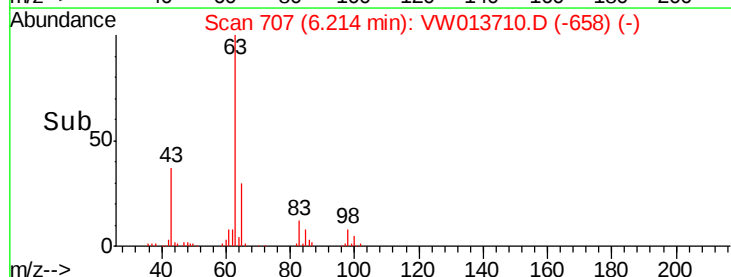
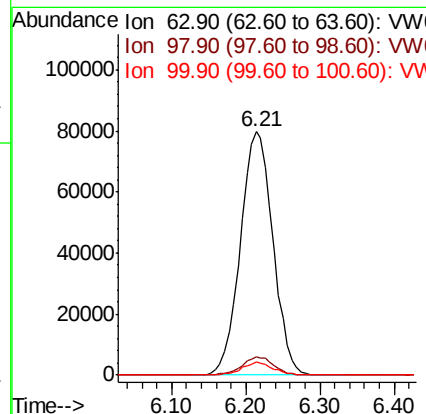
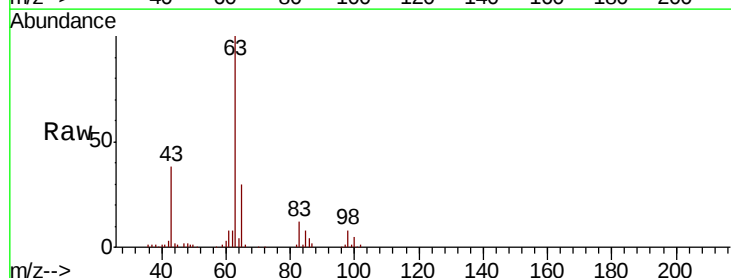
Tgt Ion: 63 Resp: 243885

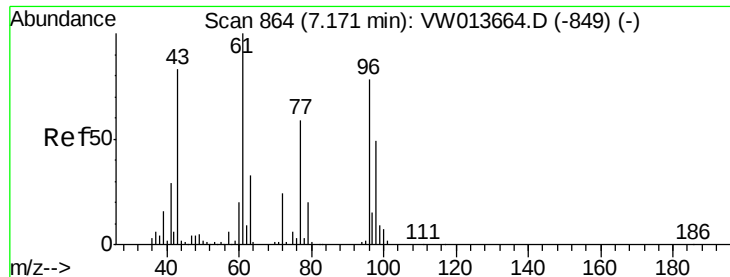
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

100 5.3 2.5 7.4





#25

2-Butanone

Concen: 239.895 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

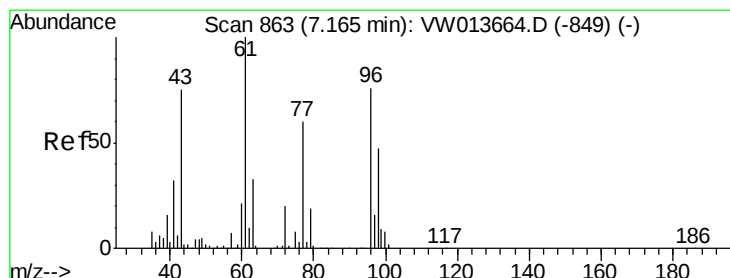
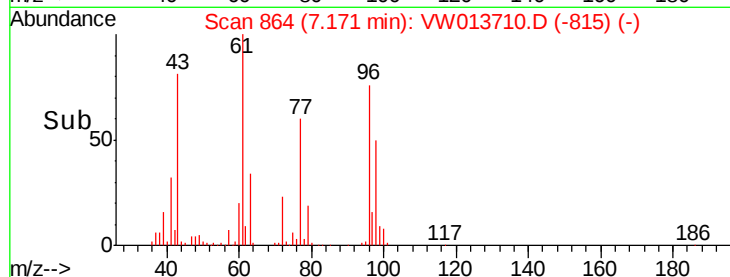
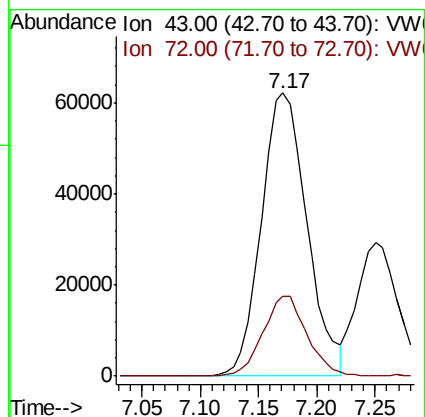
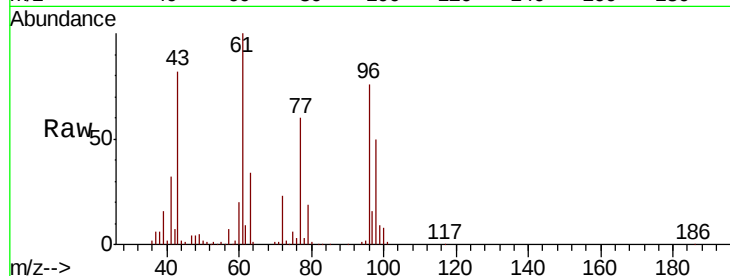
VSTDCCC050

Tot Ion: 43 Resp: 169793

Ion Ratio Lower Upper

43 100

72 28.1 23.6 35.4



#26

2,2-Dichloropropane

Concen: 48.638 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013710.D

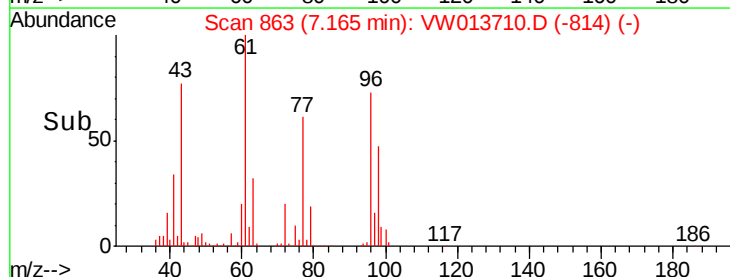
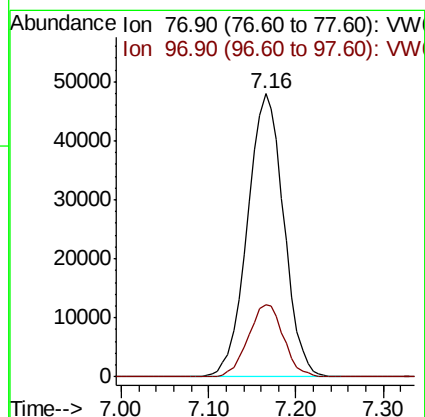
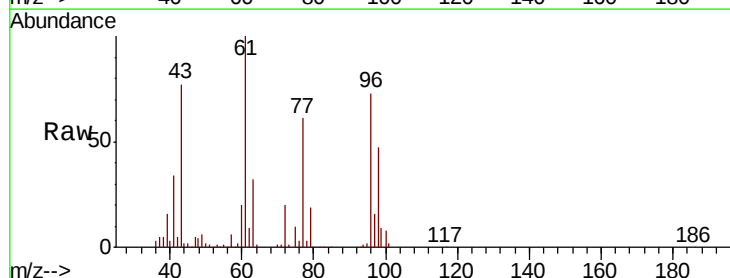
Acq: 24 Oct 2019 14:02

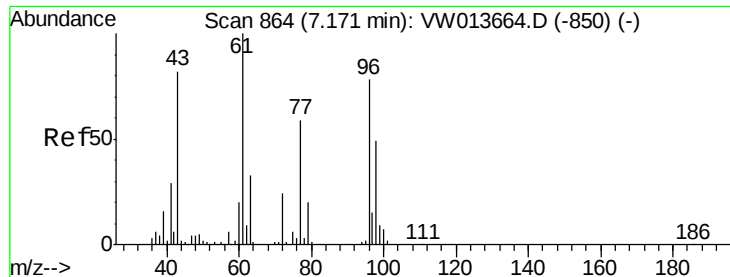
Tgt Ion: 77 Resp: 138685

Ion Ratio Lower Upper

77 100

97 24.9 12.8 38.4



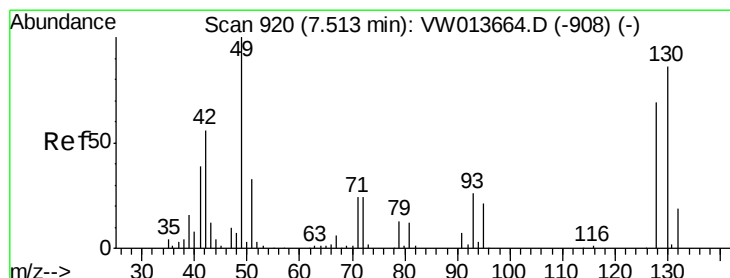
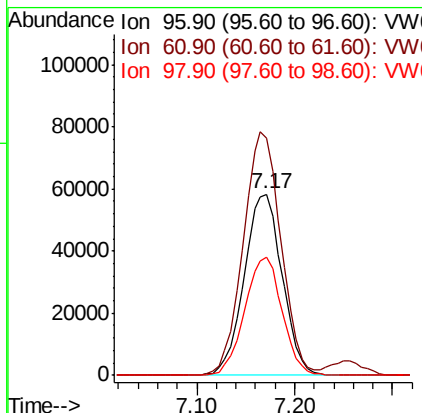
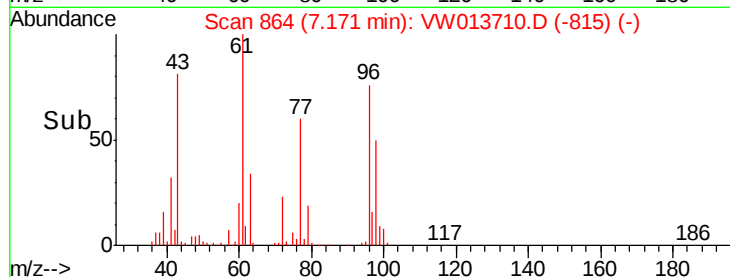
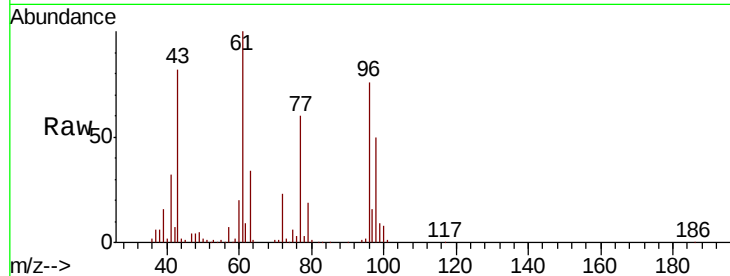


#27

cis-1,2-Dichloroethene
 Concen: 49.305 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

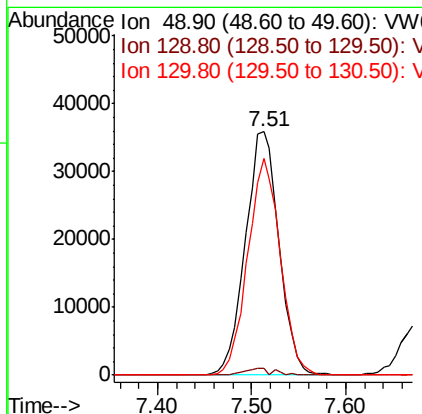
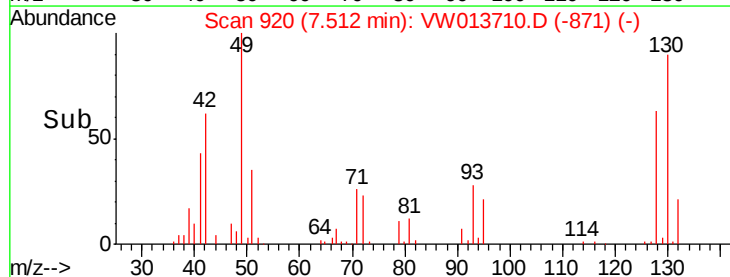
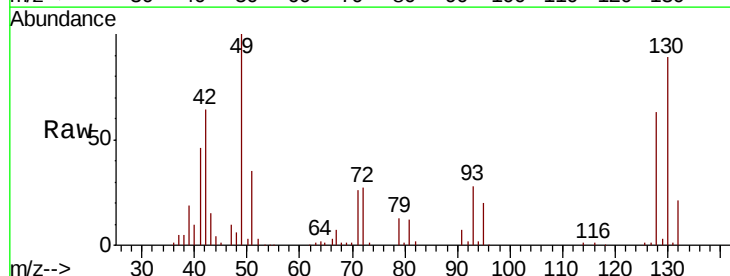
Tot Ion: 96 Resp: 156460
 Ion Ratio Lower Upper
 96 100
 61 133.7 0.0 266.0
 98 64.4 0.0 126.8

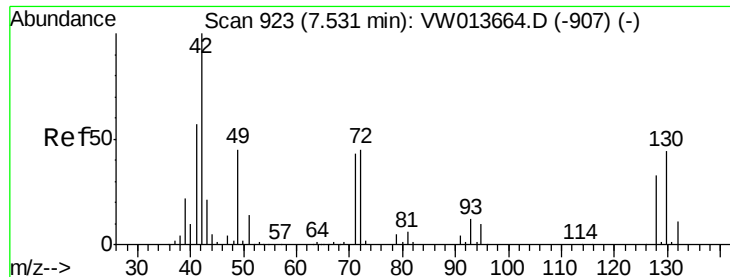


#28

Bromochloromethane
 Concen: 50.846 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Tgt Ion: 49 Resp: 89368
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 0.6#
 130 86.2 67.5 101.3

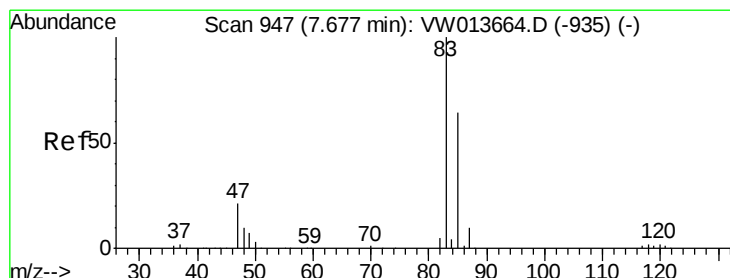
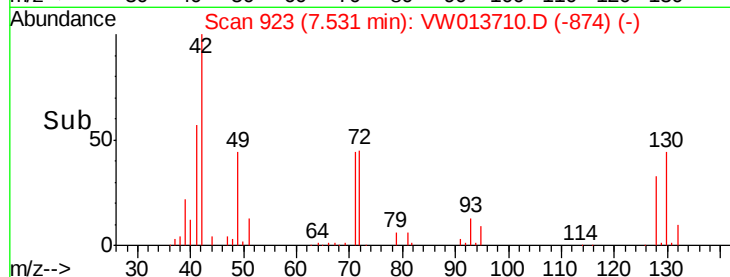
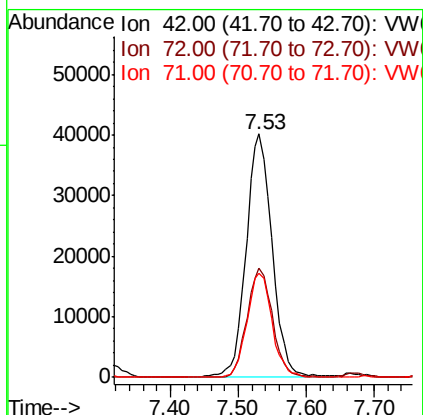
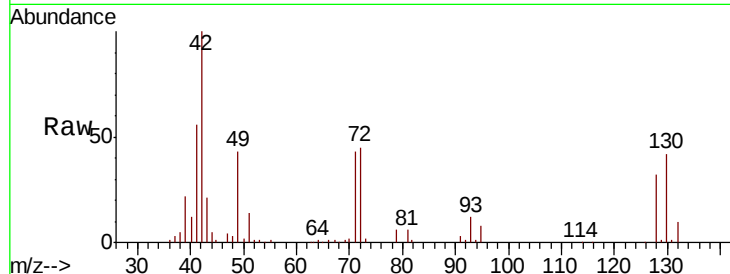




#29
Tetrahydrofuran
Concen: 243.881 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

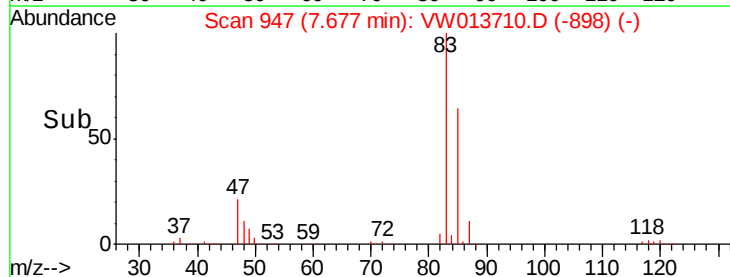
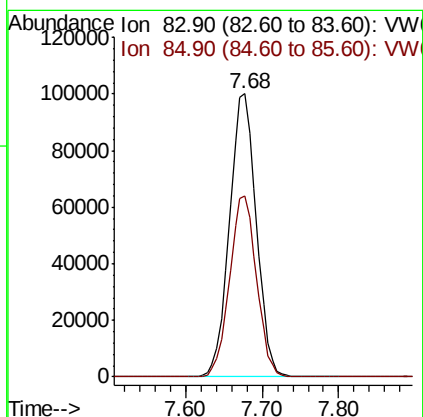
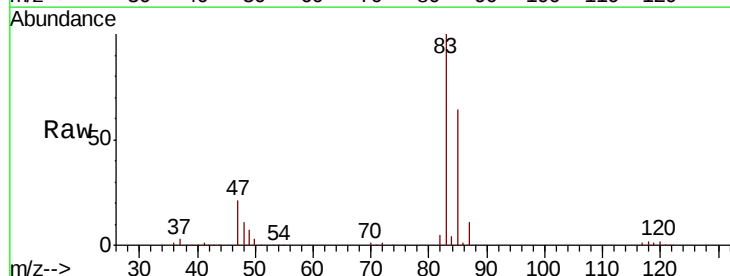
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

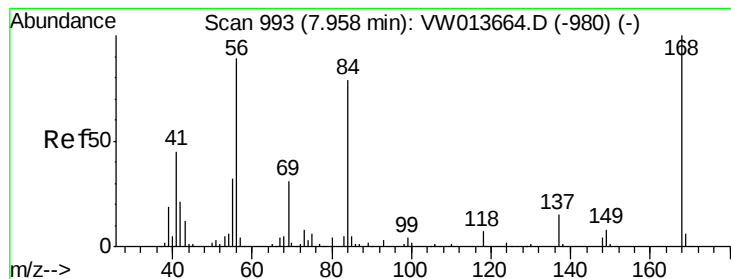
Tot Ion: 42 Resp: 106866
Ion Ratio Lower Upper
42 100
72 43.6 35.3 52.9
71 41.4 33.3 49.9



#30
Chloroform
Concen: 49.605 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion: 83 Resp: 241800
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.2





#31

Cyclohexane

Concen: 47.581 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

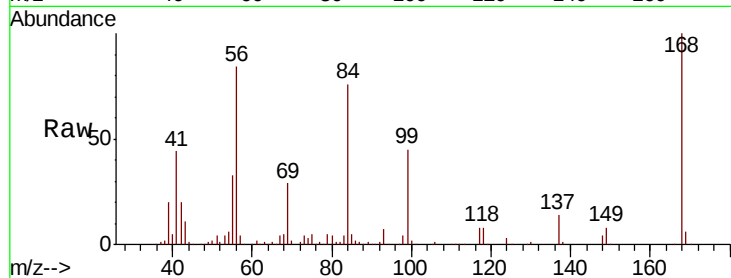
Tot Ion: 56 Resp: 245531

Ion Ratio Lower Upper

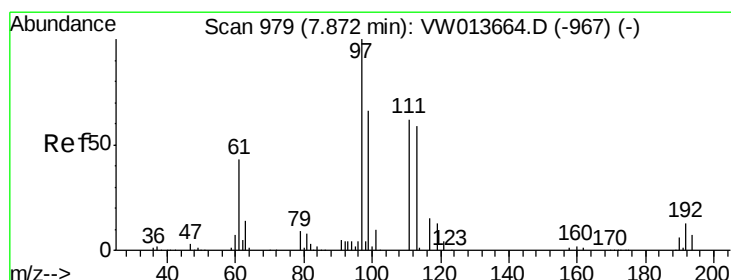
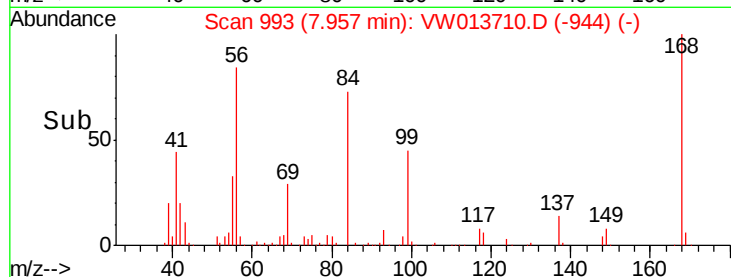
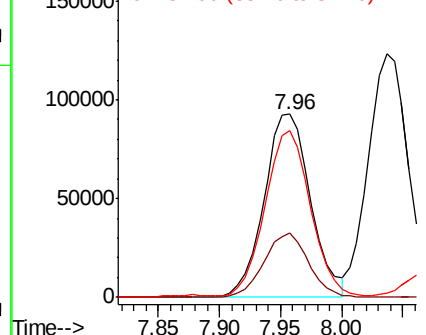
56 100

69 35.0 27.5 41.3

84 89.4 70.8 106.2



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: 50.759 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

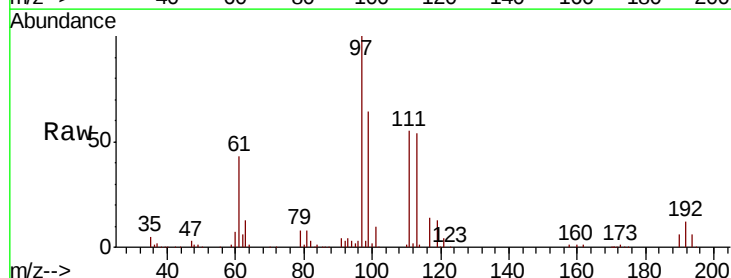
Tgt Ion: 97 Resp: 194163

Ion Ratio Lower Upper

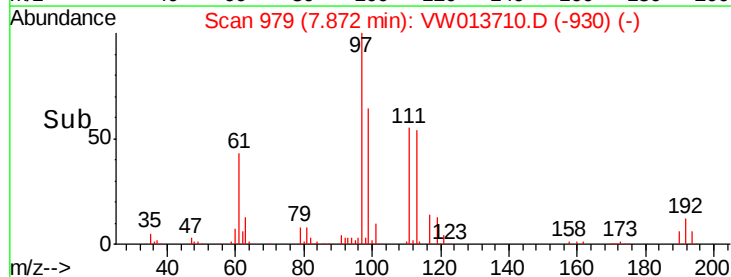
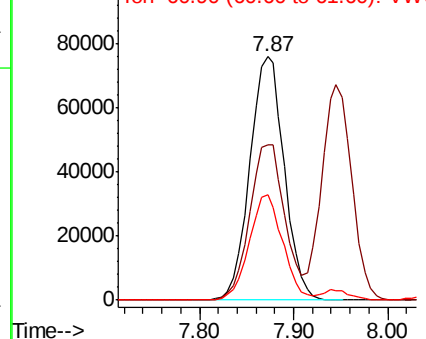
97 100

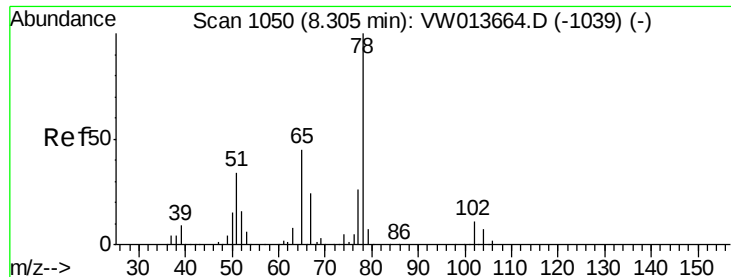
99 65.3 52.0 78.0

61 42.4 33.8 50.6



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

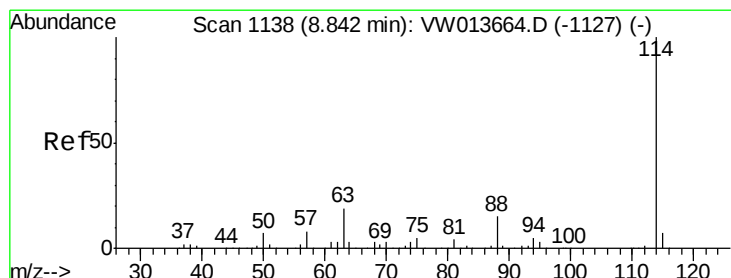
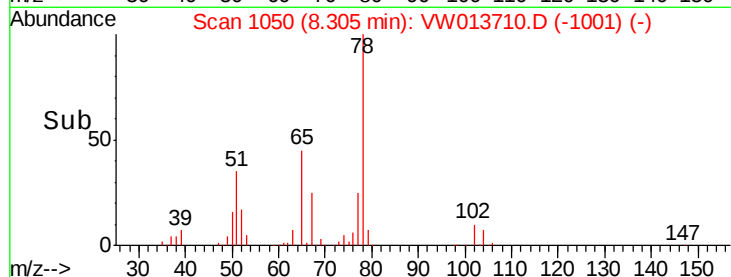
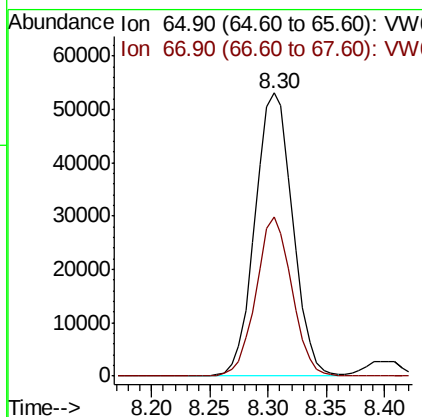
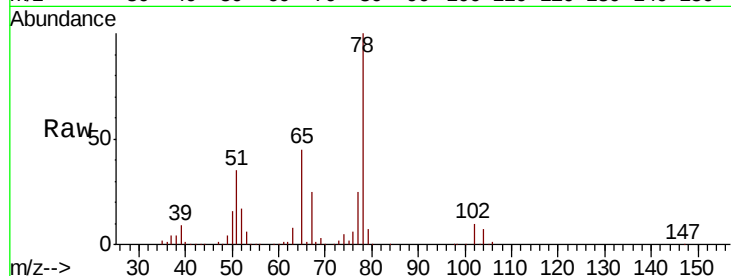




#33
 1,2-Dichloroethane-d4
 Concen: 51.186 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

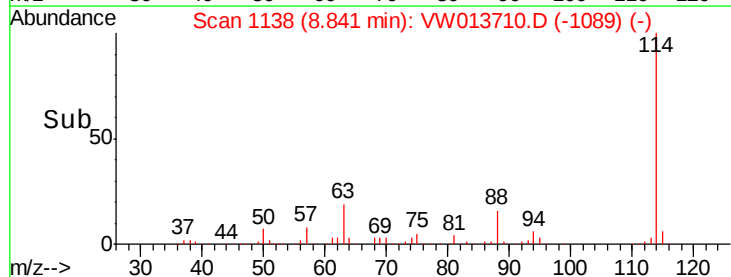
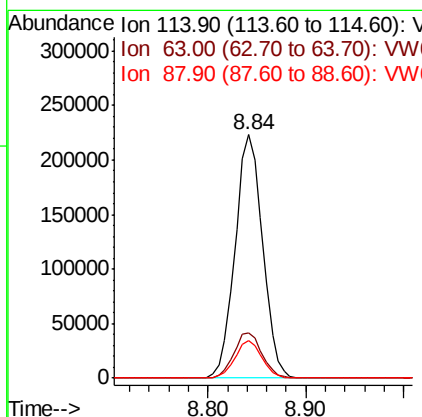
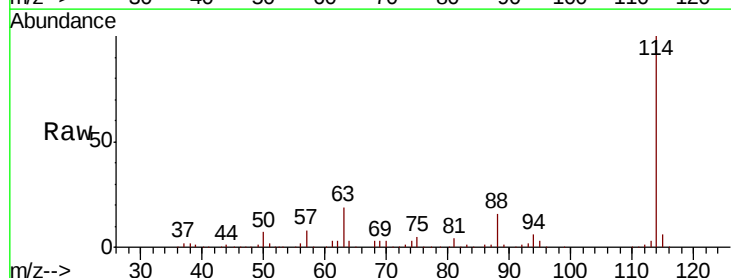
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

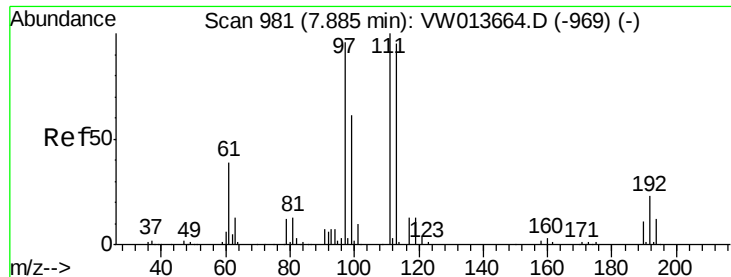
Tot Ion: 65 Resp: 118847
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Tgt Ion: 114 Resp: 434907
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.6
 88 15.6 0.0 30.2

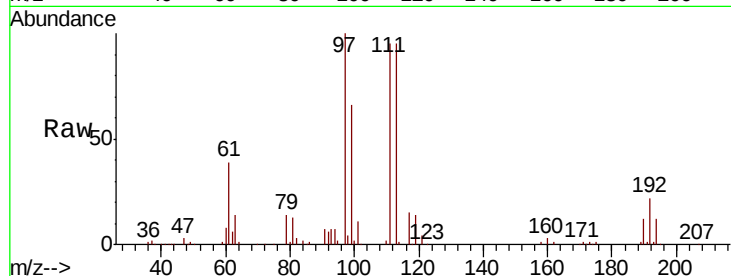




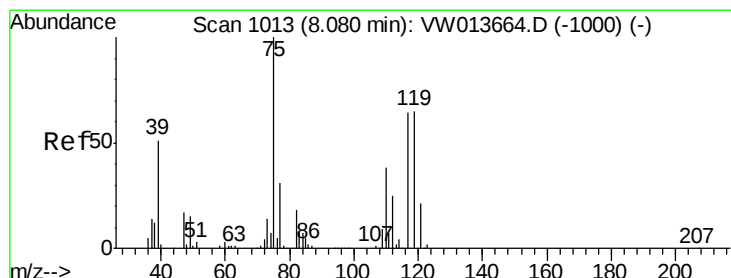
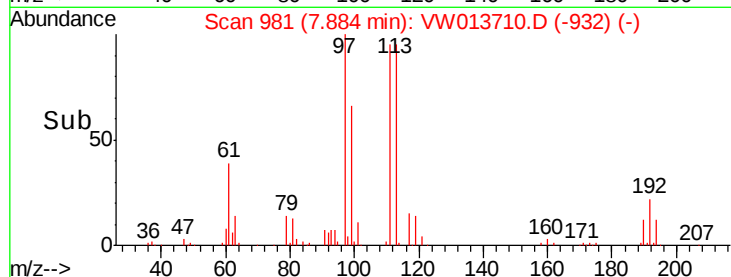
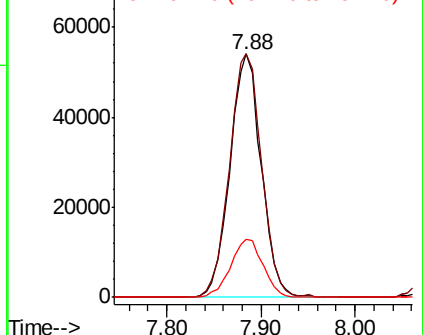
#35
 Dibromofluoromethane
 Concen: 51.454 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 124344
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.0 124.6
 192 24.8 19.4 29.2

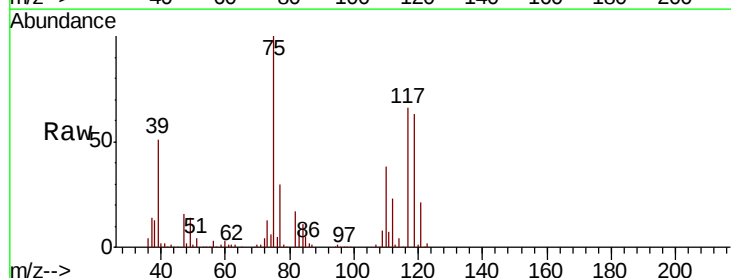


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

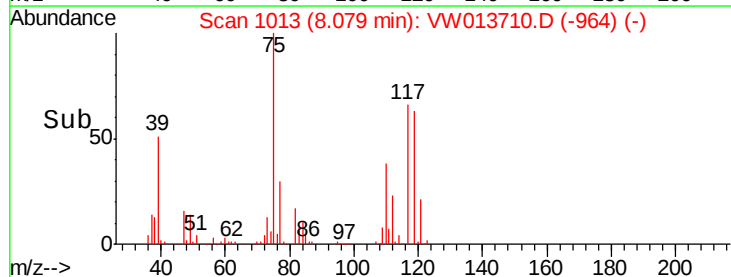
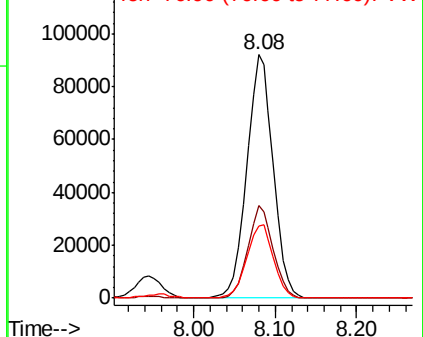


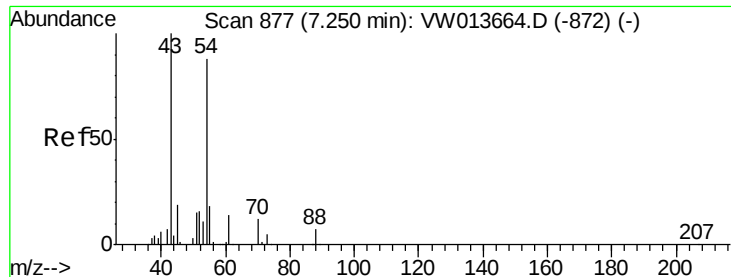
#36
 1,1-Dichloropropene
 Concen: 51.024 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Tgt Ion: 75 Resp: 206665
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.7 56.1
 77 30.8 25.4 38.0



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

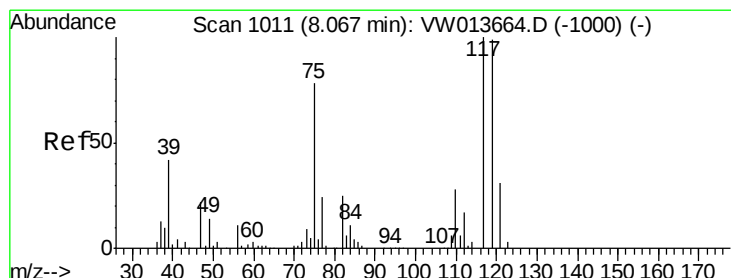
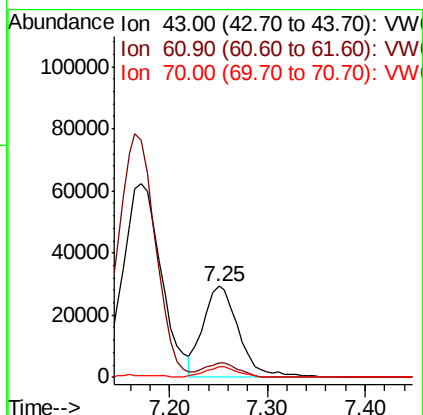
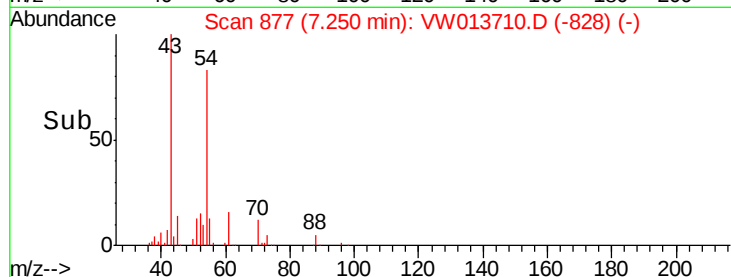
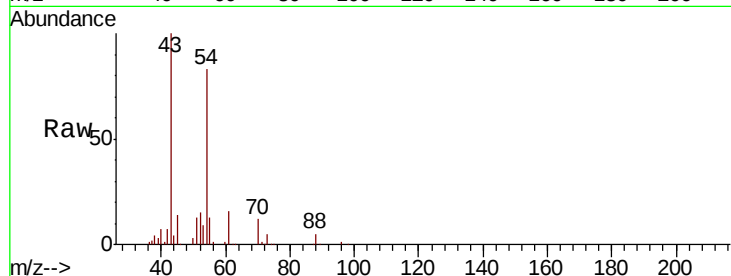




#37
Ethyl Acetate
Concen: 47.276 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

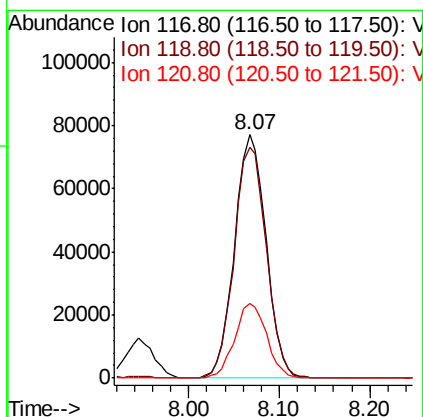
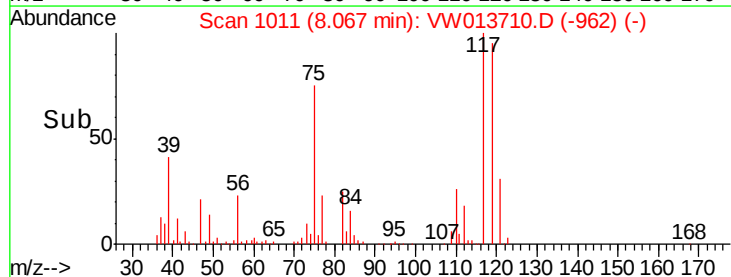
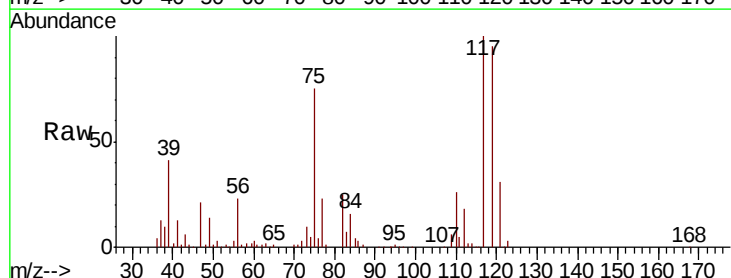
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

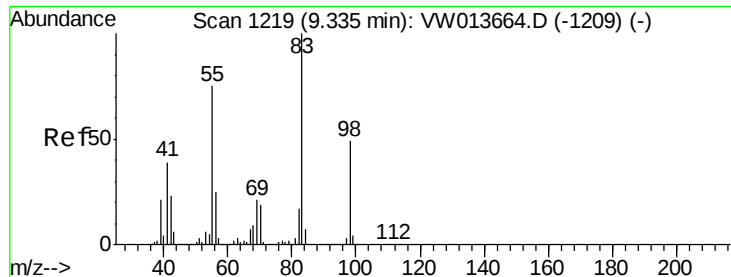
Tot Ion: 43 Resp: 73299
Ion Ratio Lower Upper
43 100
61 15.1 11.7 17.5
70 11.5 8.8 13.2



#38
Carbon Tetrachloride
Concen: 50.972 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion: 117 Resp: 185911
Ion Ratio Lower Upper
117 100
119 95.0 79.0 118.4
121 30.6 24.5 36.7

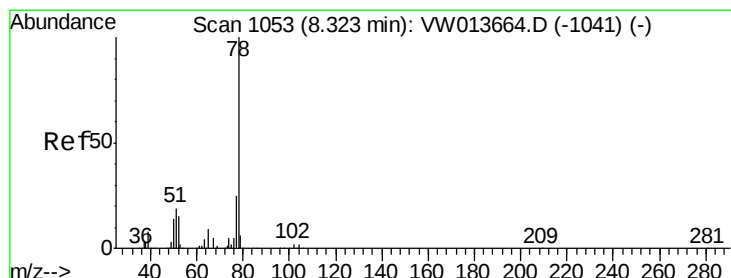
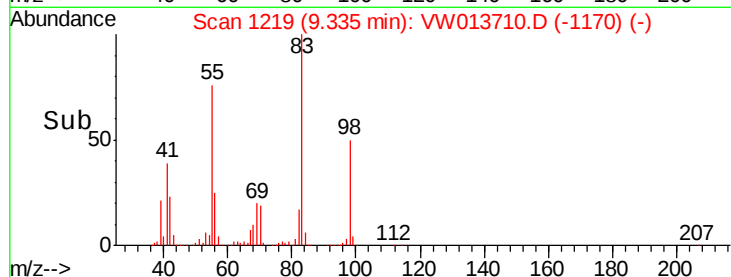
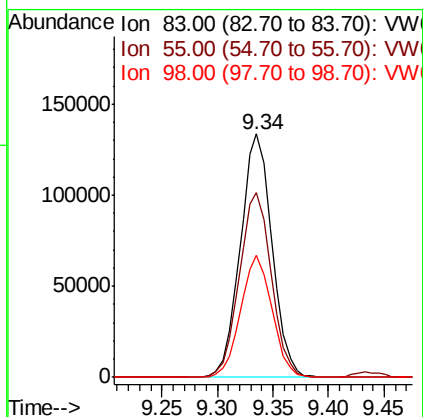
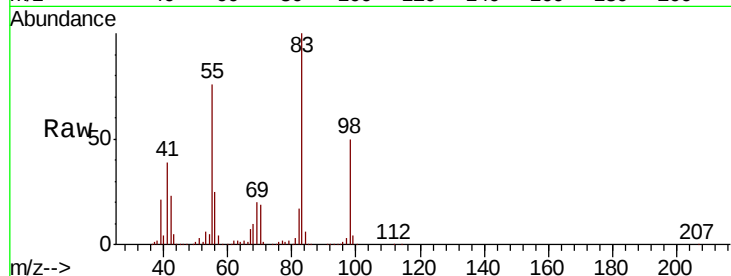




#39
Methvlcvclohexane
Concen: 50.438 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

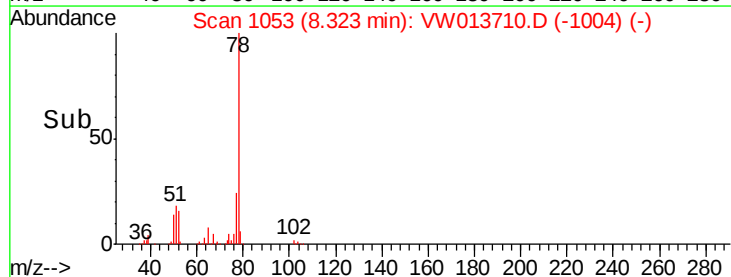
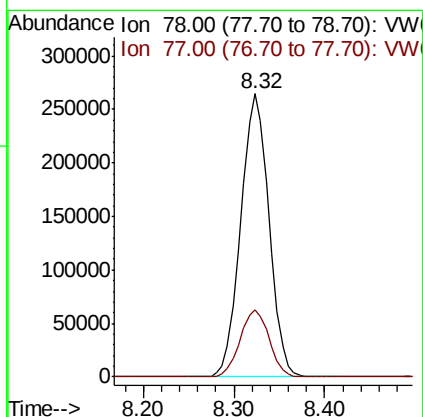
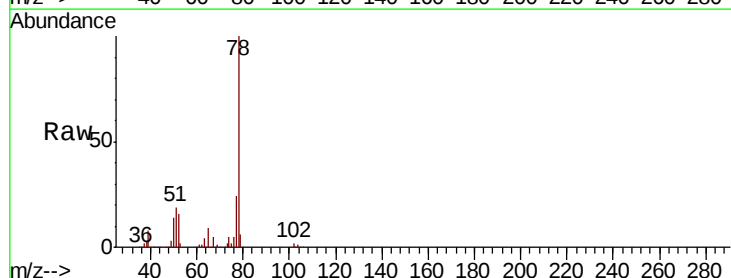
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

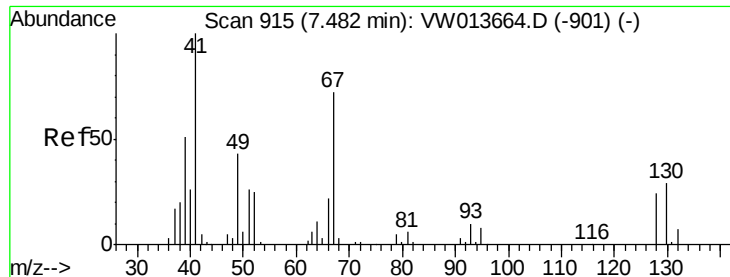
Tot Ion: 83 Resp: 263821
Ion Ratio Lower Upper
83 100
55 75.7 59.9 89.9
98 50.3 39.4 59.2



#40
Benzene
Concen: 49.707 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion: 78 Resp: 569761
Ion Ratio Lower Upper
78 100
77 23.9 19.6 29.4

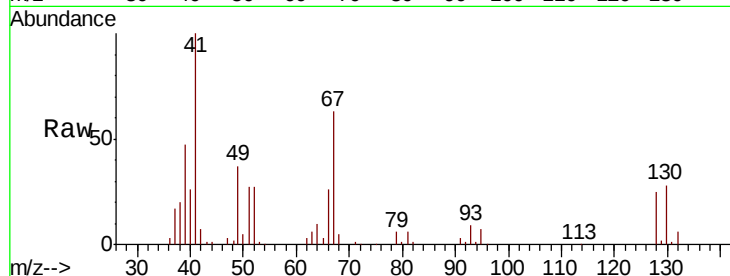




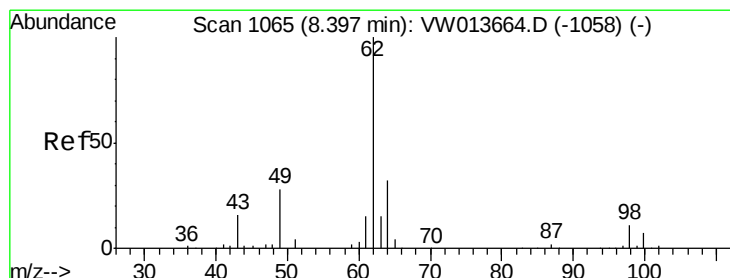
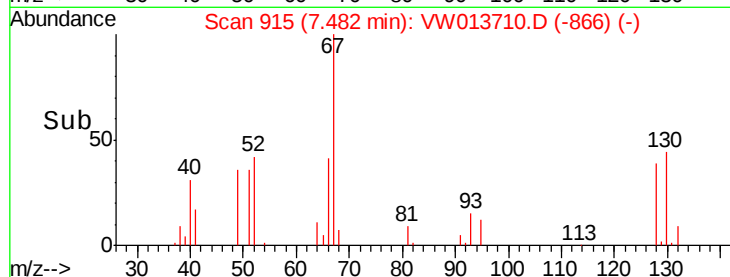
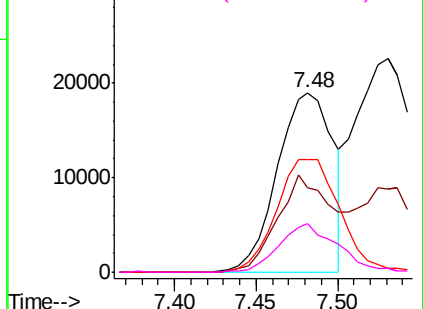
#41
Methacrylonitrile
Concen: 46.522 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	44980
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.8	67.2
67	71.8	59.3	88.9
52	29.0	23.4	35.0

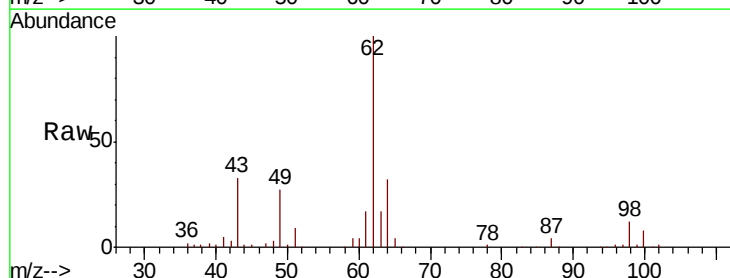


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

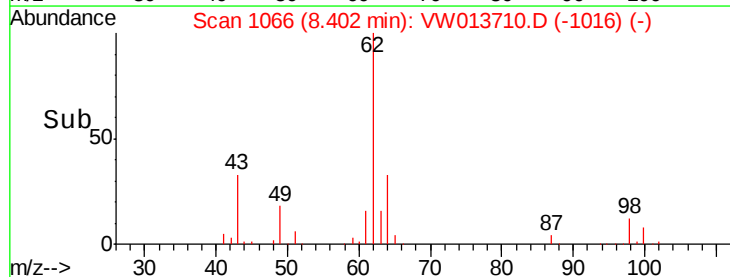
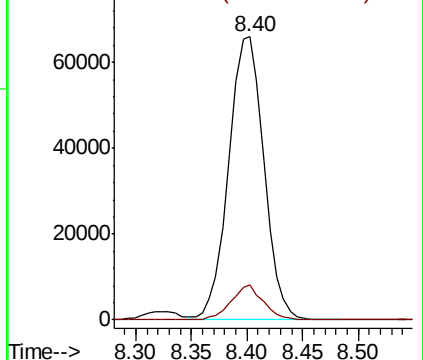


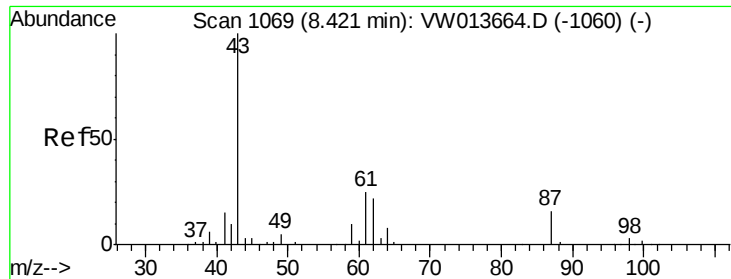
#42
1,2-Dichloroethane
Concen: 50.054 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion:	62	Resp:	144579
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	22.4



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





#43

Isopropyl Acetate

Concen: 48.705 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

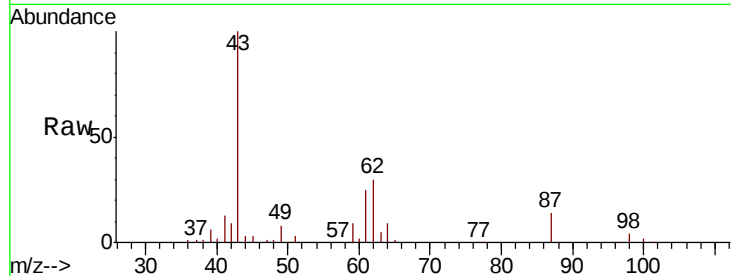
Tot Ion: 43 Resp: 144547

Ion Ratio Lower Upper

43 100

61 32.7 26.1 39.1

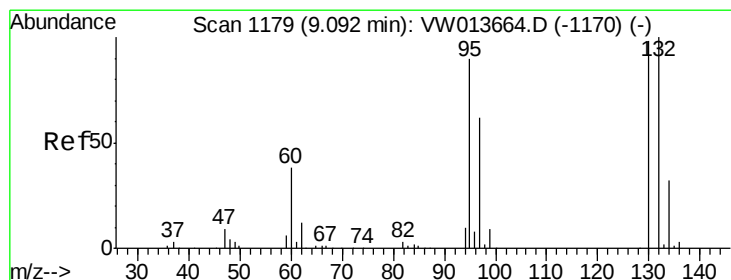
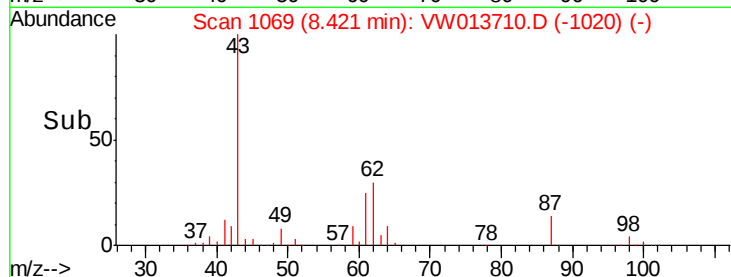
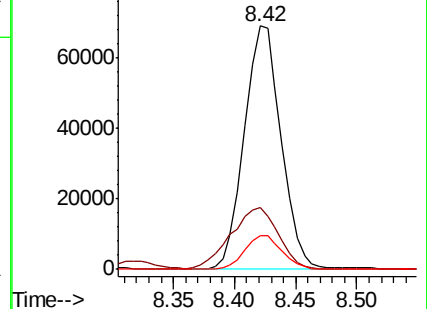
87 14.1 11.4 17.0



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: 50.169 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013710.D

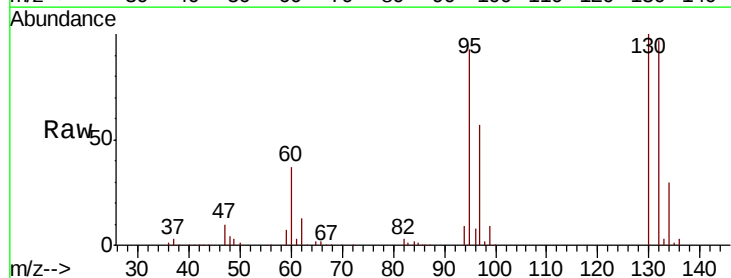
Acq: 24 Oct 2019 14:02

Tgt Ion: 130 Resp: 164725

Ion Ratio Lower Upper

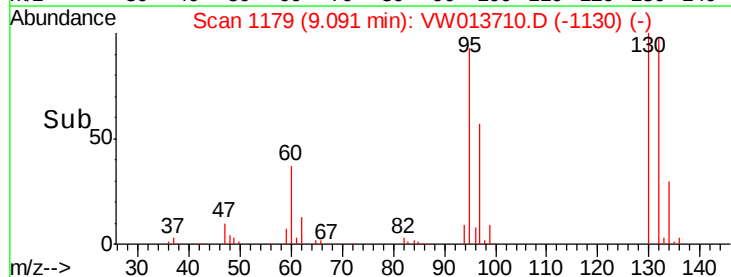
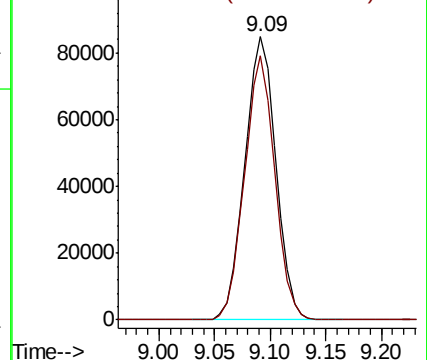
130 100

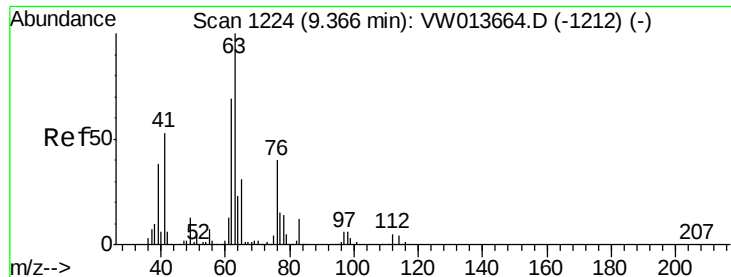
95 93.5 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 49.387 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

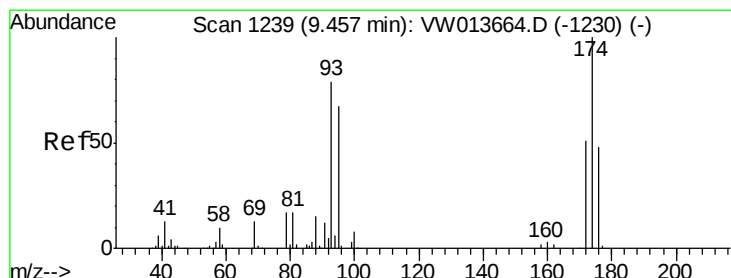
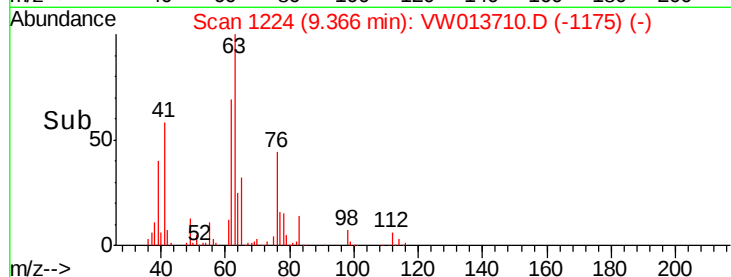
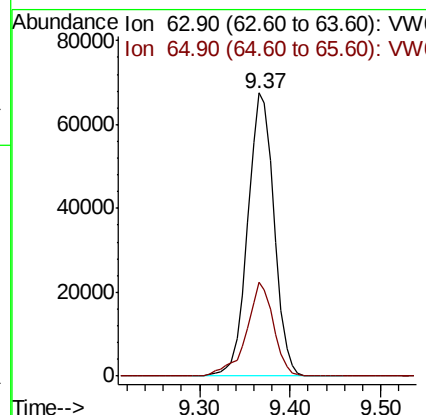
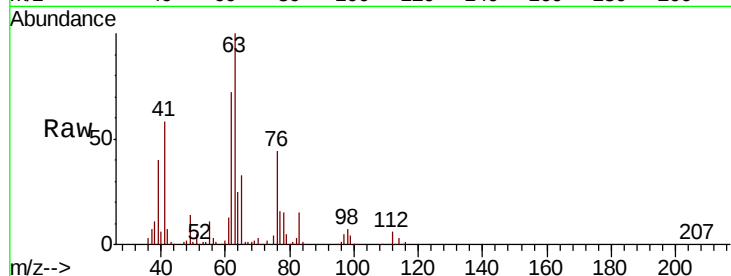
VSTDCCC050

Tot Ion: 63 Resp: 135217

Ion Ratio Lower Upper

63 100

65 33.1 25.2 37.8



#46

Dibromomethane

Concen: 50.002 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

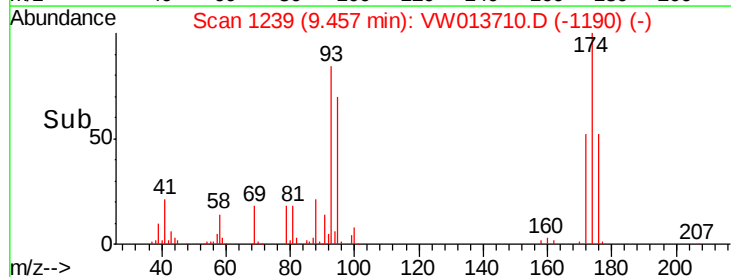
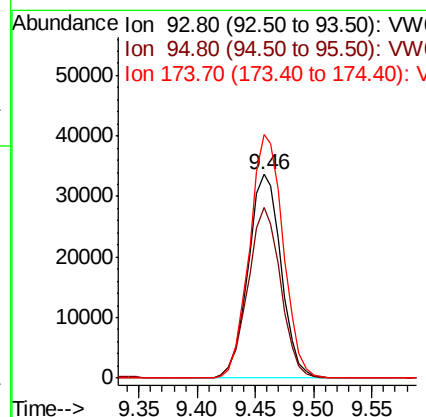
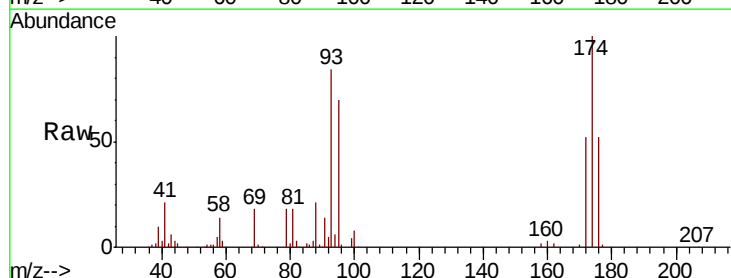
Tgt Ion: 93 Resp: 66445

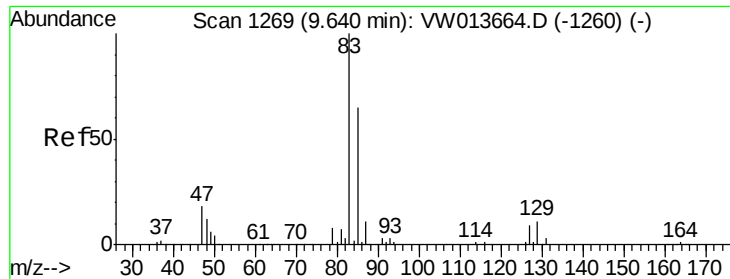
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 122.2 99.6 149.4

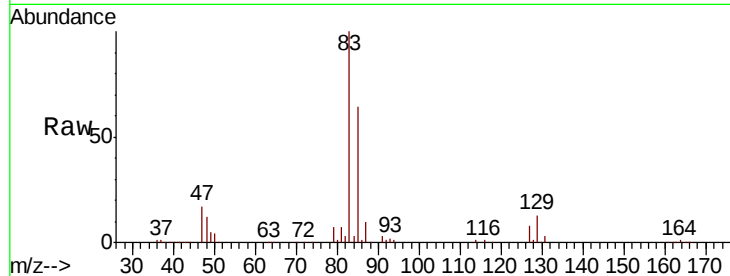




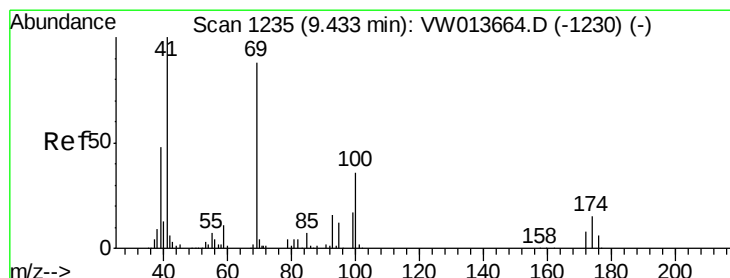
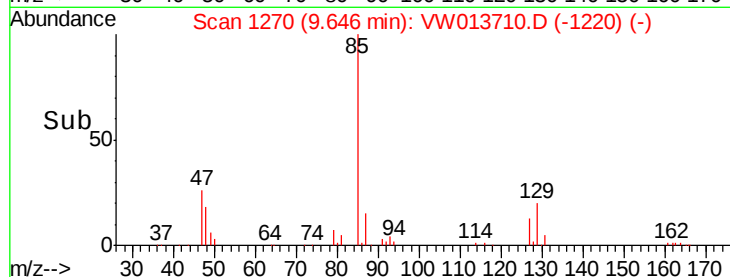
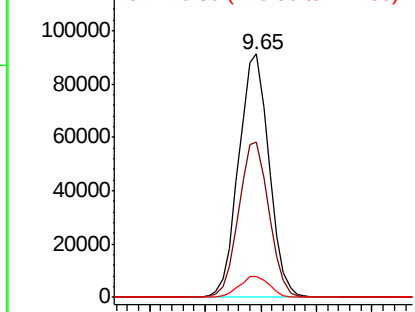
#47
Bromodichloromethane
Concen: 50.255 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 172792
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.6
127 8.5 7.3 10.9

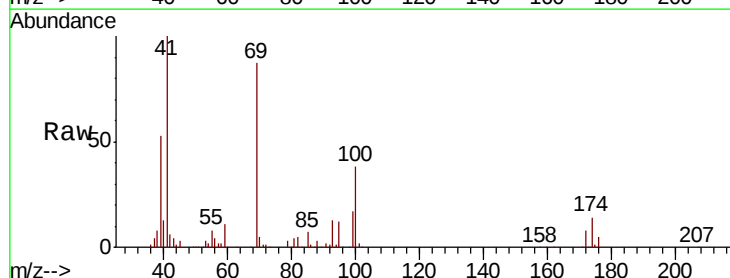


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

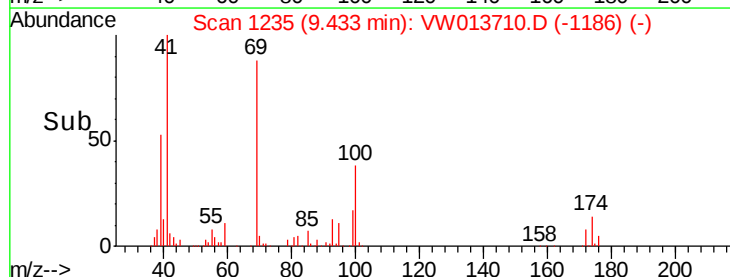
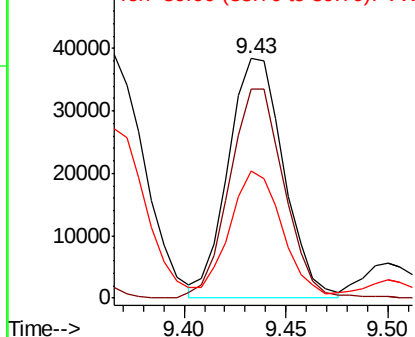


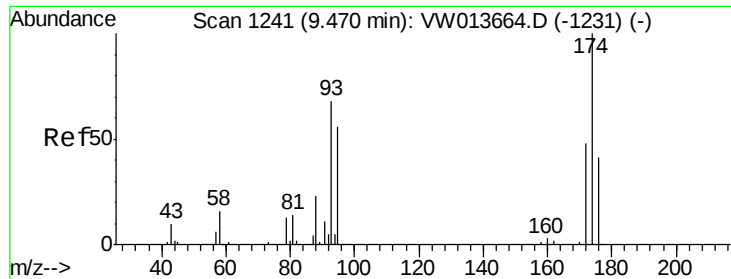
#48
Methyl methacrylate
Concen: 49.479 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion: 41 Resp: 72819
Ion Ratio Lower Upper
41 100
69 85.9 67.6 101.4
39 46.1 38.6 58.0



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

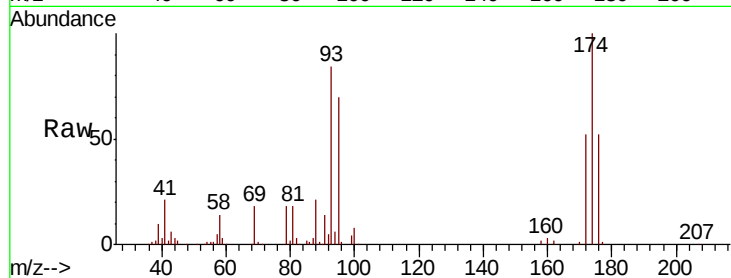




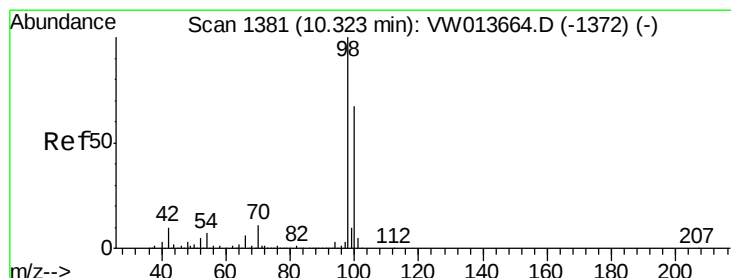
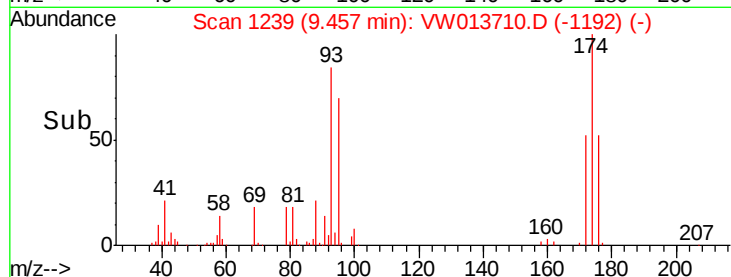
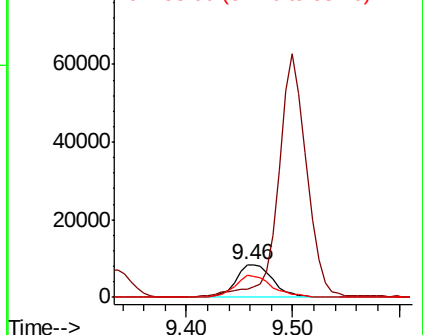
#49
1,4-Dioxane
Concen: 1048.051 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 20580
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 68.9 58.9 88.3

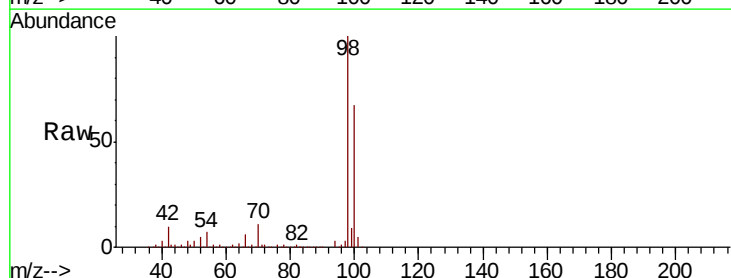


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

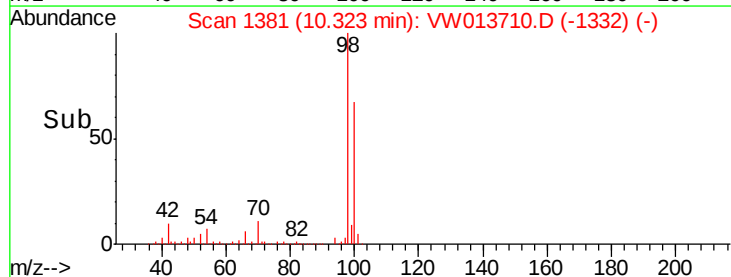
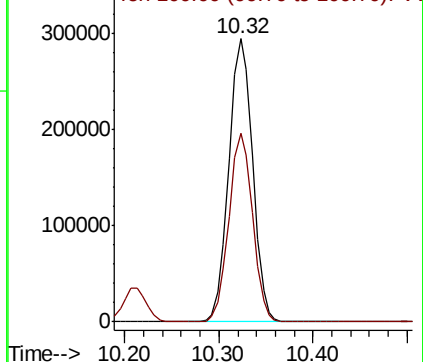


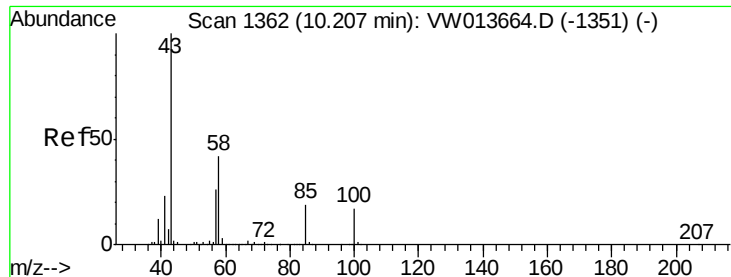
#50
Toluene-d8
Concen: 52.324 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion: 98 Resp: 515237
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 247.089 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

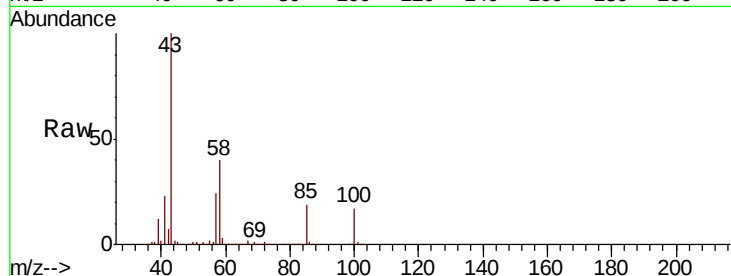
VSTDCCC050

Tot Ion: 43 Resp: 364394

Ion Ratio Lower Upper

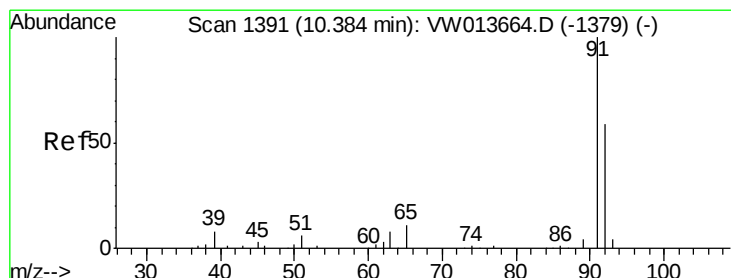
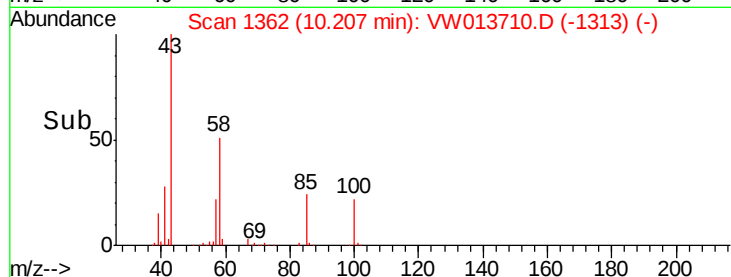
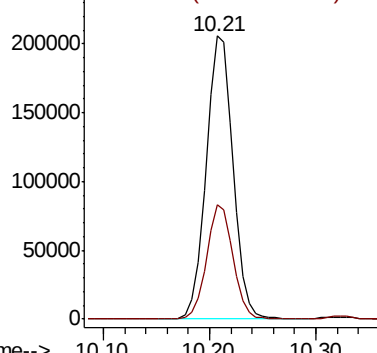
43 100

58 39.5 32.6 49.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 50.312 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013710.D

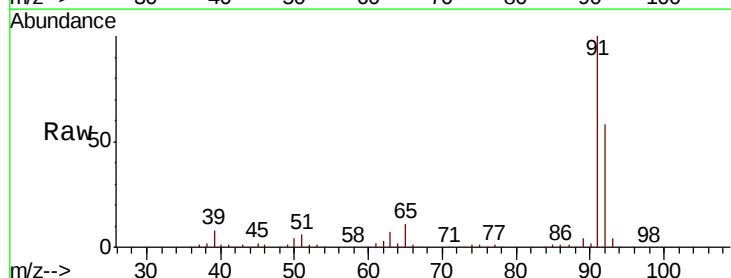
Acq: 24 Oct 2019 14:02

Tgt Ion: 92 Resp: 371997

Ion Ratio Lower Upper

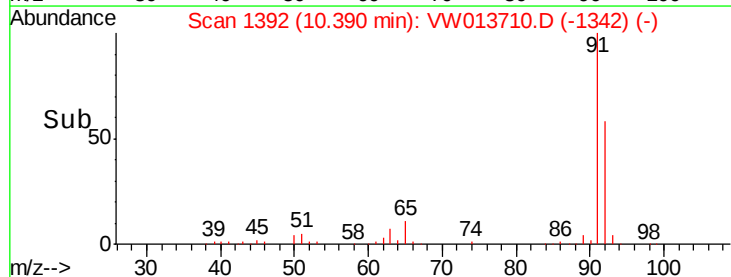
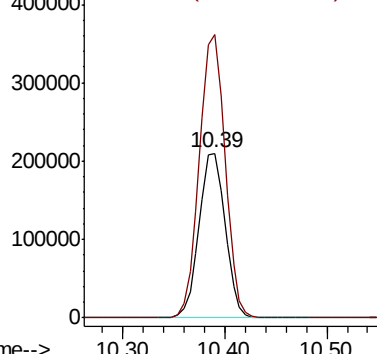
92 100

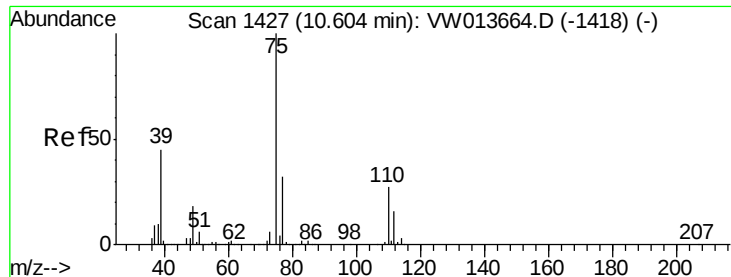
91 169.4 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 50.222 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

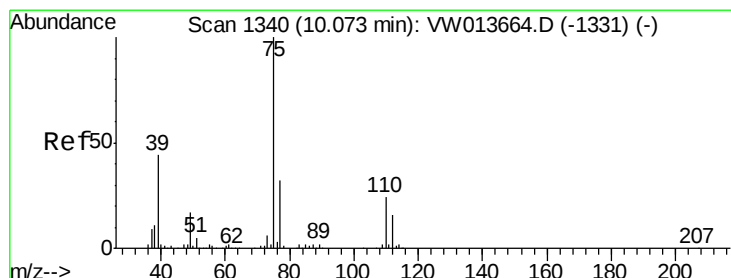
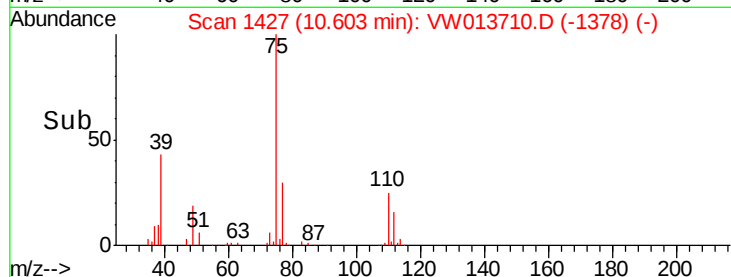
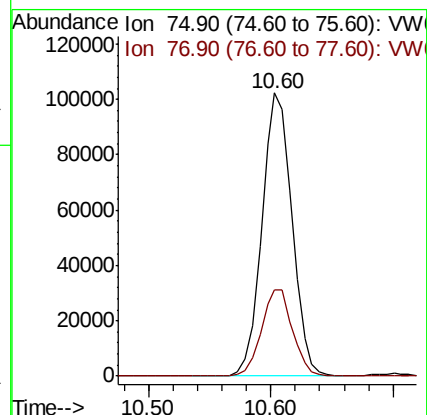
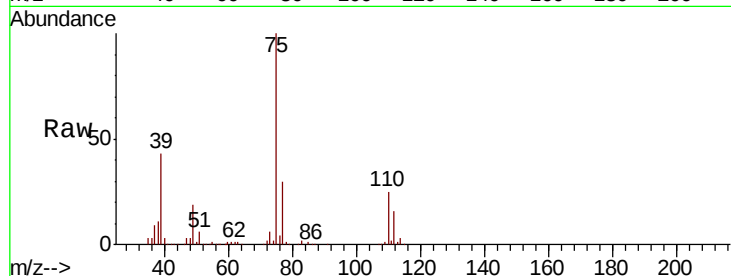
VSTDCCC050

Tot Ion: 75 Resp: 174808

Ion Ratio Lower Upper

75 100

77 30.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 49.997 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

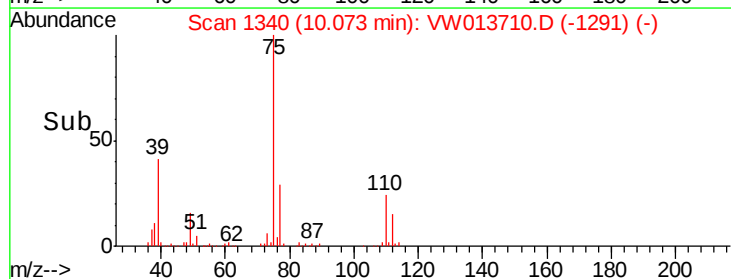
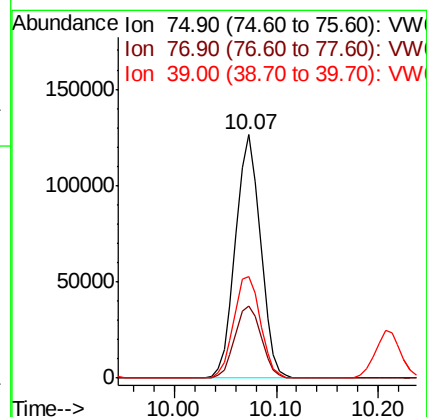
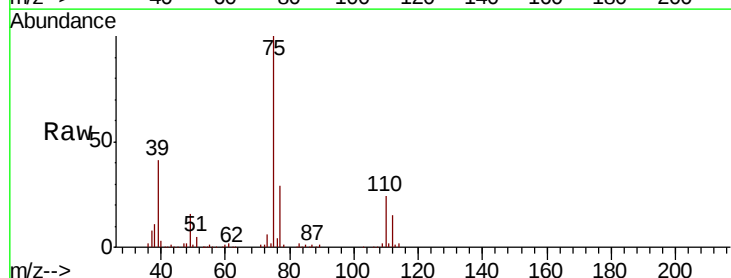
Tgt Ion: 75 Resp: 214707

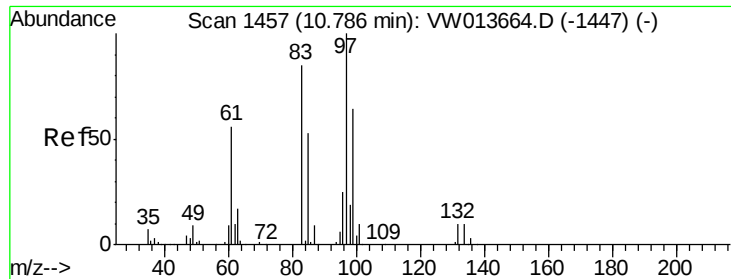
Ion Ratio Lower Upper

75 100

77 29.4 25.8 38.6

39 41.4 35.3 52.9

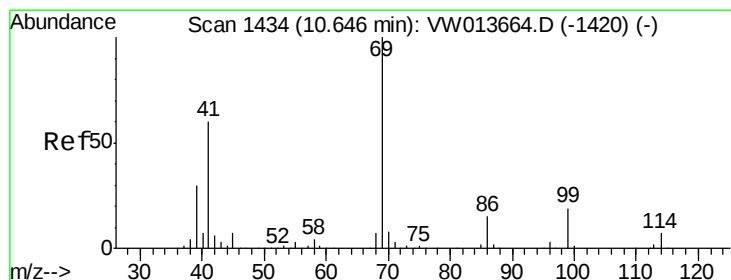
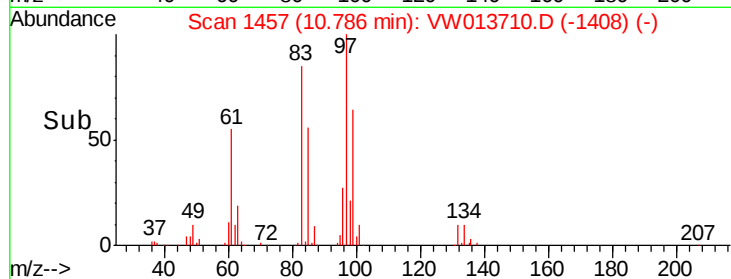
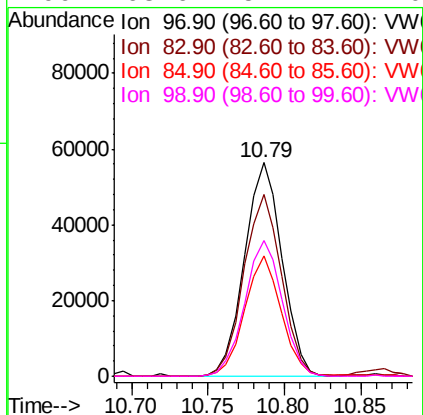
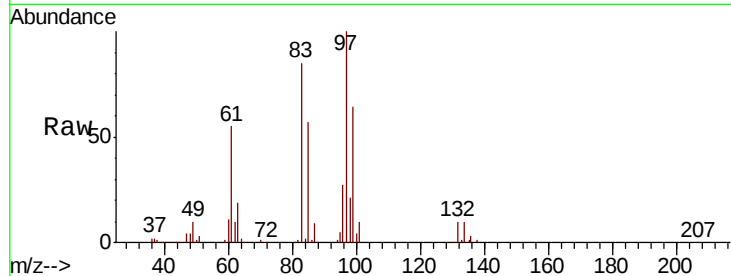




#55
 1,1,2-Trichloroethane
 Concen: 48.928 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

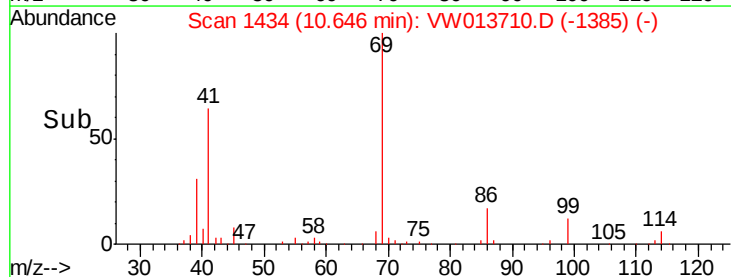
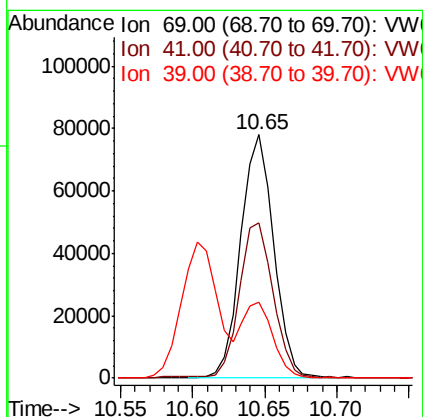
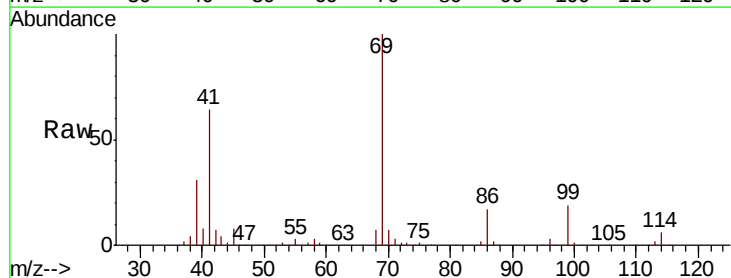
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

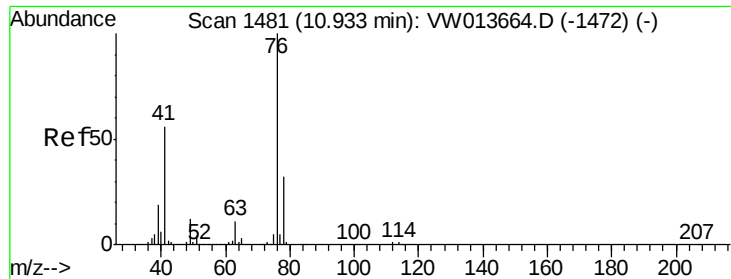
Tot Ion:	97	Resp:	96899
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.8	101.8
85	56.5	42.1	63.1
99	63.6	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 49.878 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Tgt Ion:	69	Resp:	123587
Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.6	77.4
39	29.0	22.4	33.6

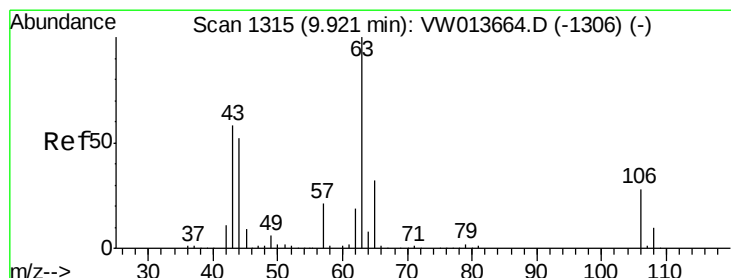
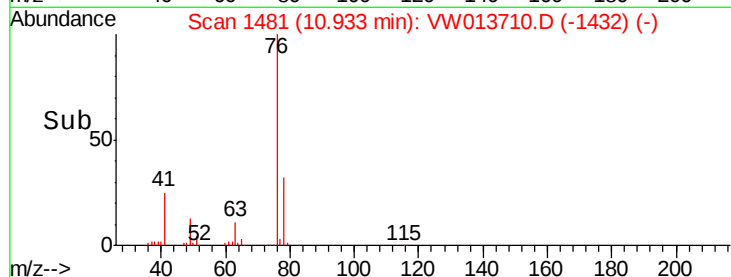
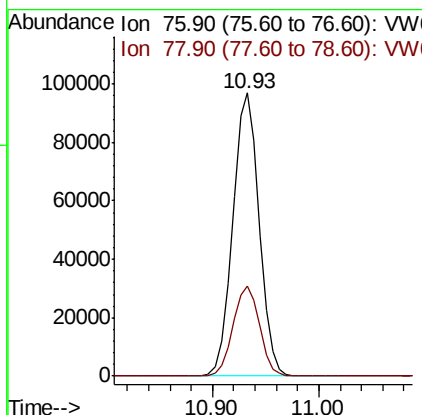
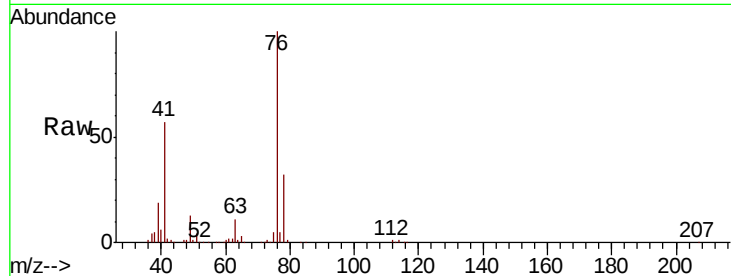




#57
 1,3-Dichloropropane
 Concen: 49.400 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

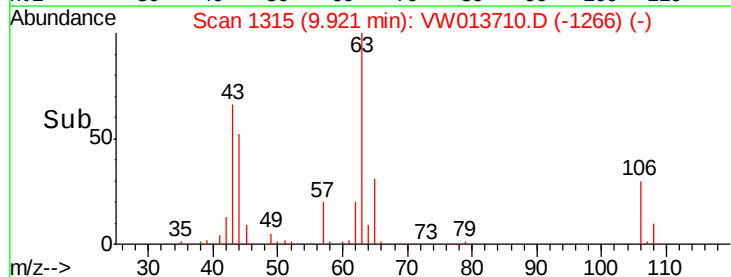
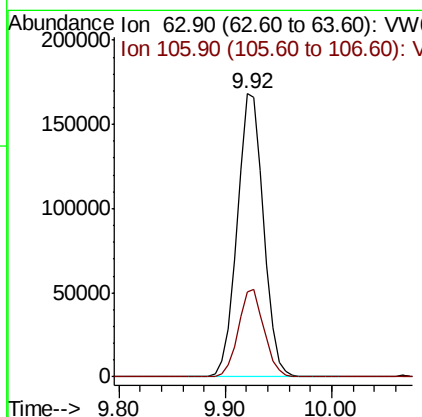
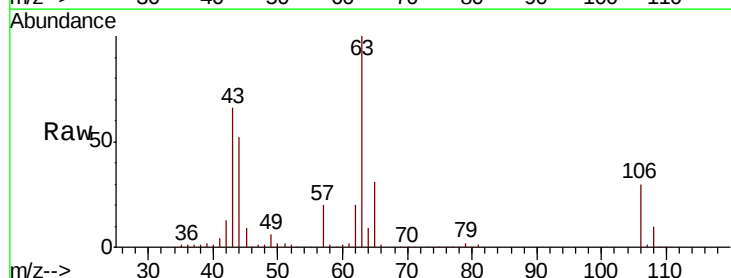
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

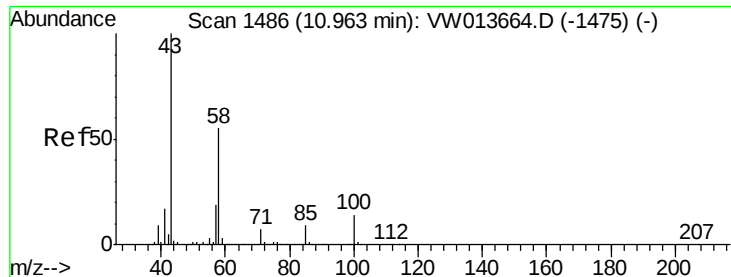
Tot Ion: 76 Resp: 167888
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.809 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Tgt Ion: 63 Resp: 292855
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.8

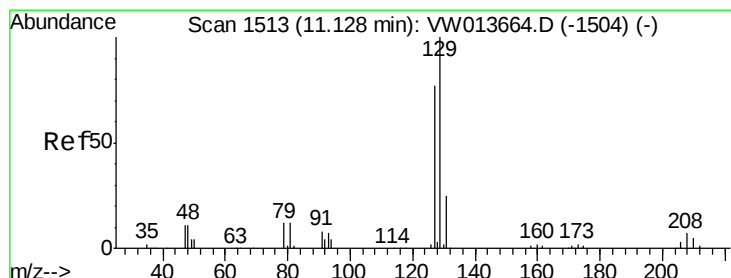
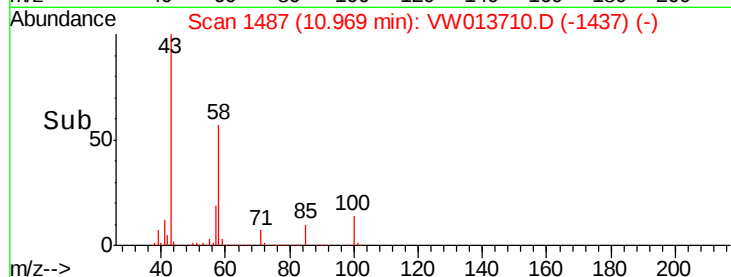
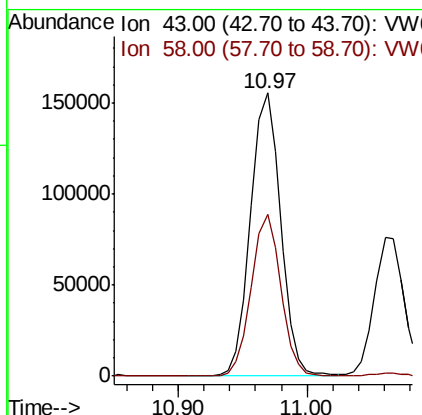
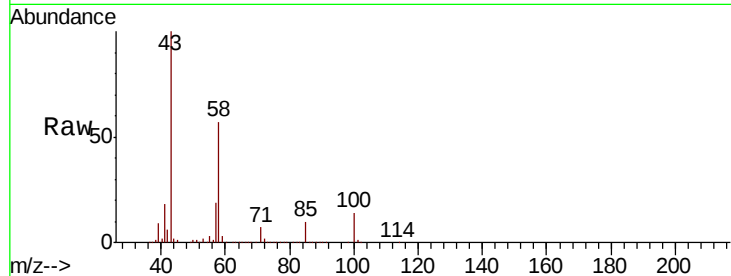




#59
2-Hexanone
Concen: 247.443 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

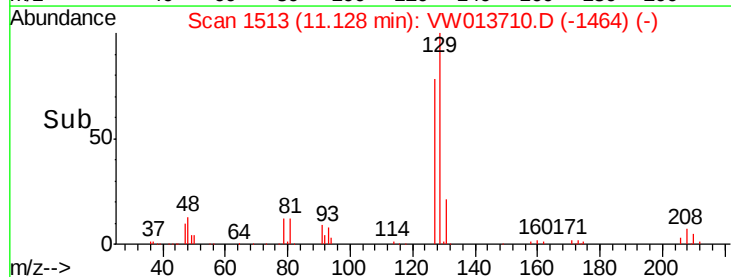
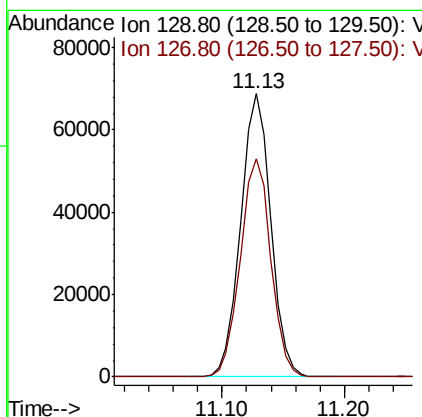
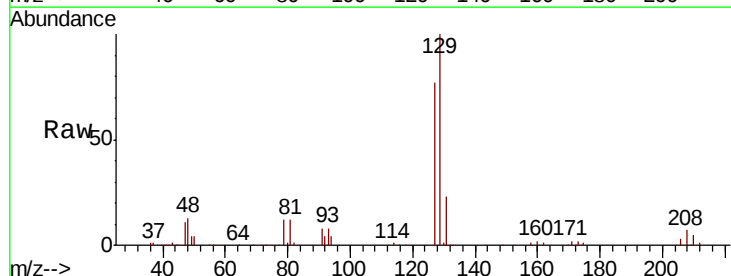
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

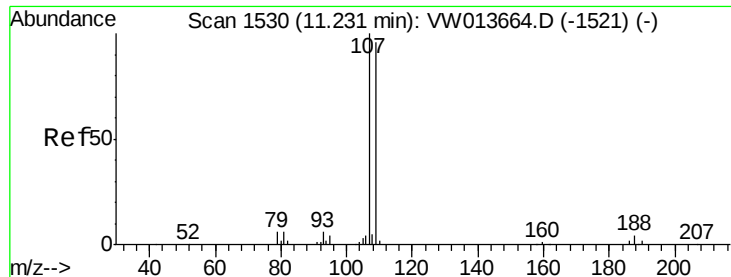
Tot Ion: 43 Resp: 251572
Ion Ratio Lower Upper
43 100
58 56.2 27.9 83.7



#60
Dibromochloromethane
Concen: 49.945 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion: 129 Resp: 117440
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7

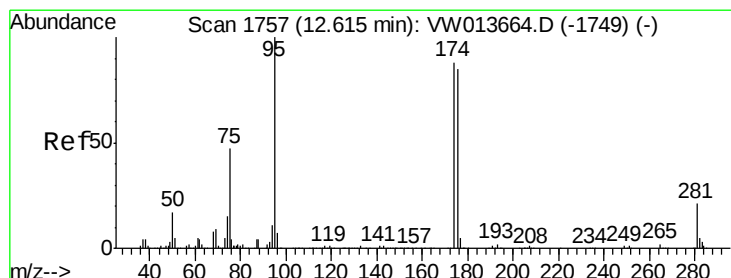
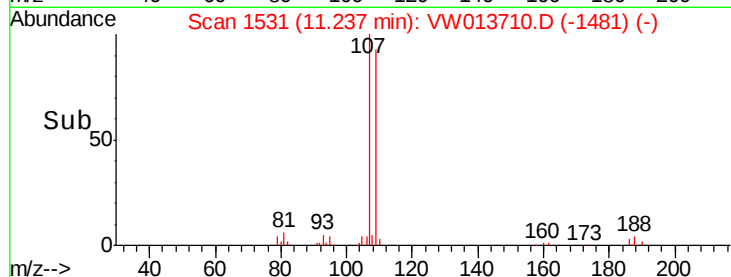
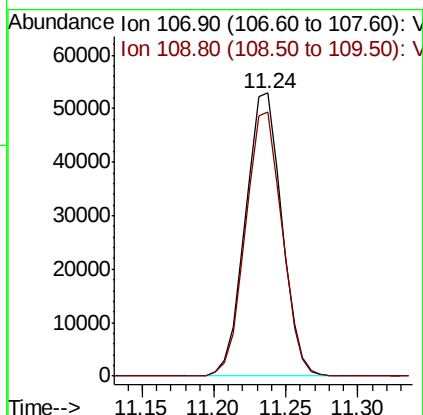
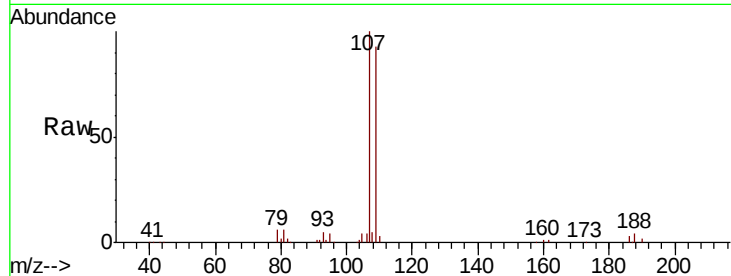




#61
 1,2-Dibromoethane
 Concen: 49.427 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

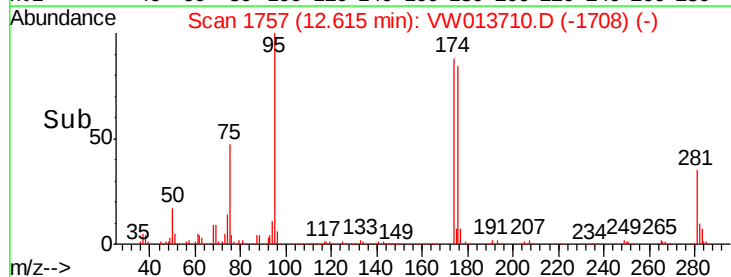
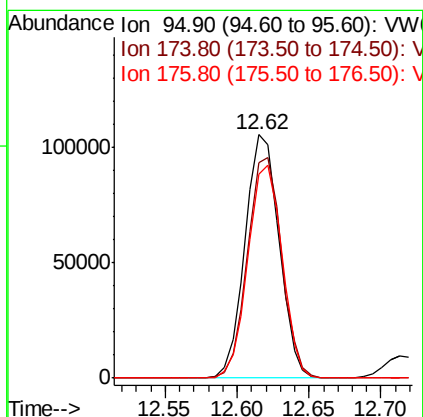
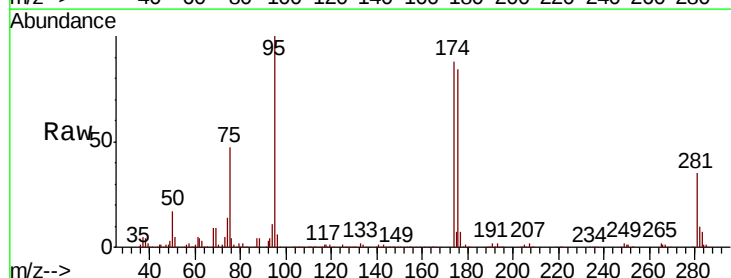
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

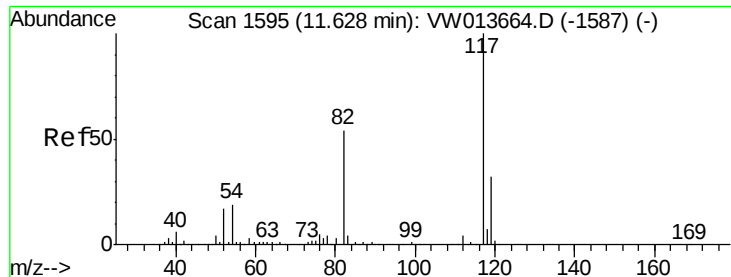
Tot Ion:107 Resp: 92607
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.816 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Tgt Ion: 95 Resp: 172766
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 183.6
 176 87.4 0.0 178.0

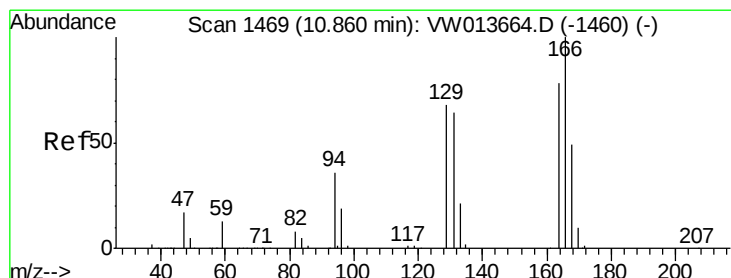
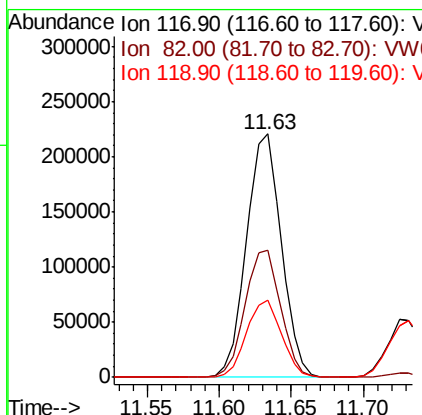
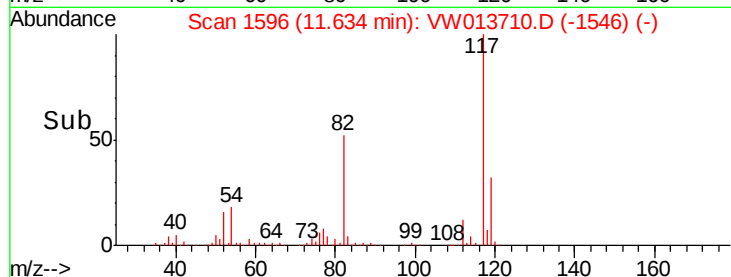
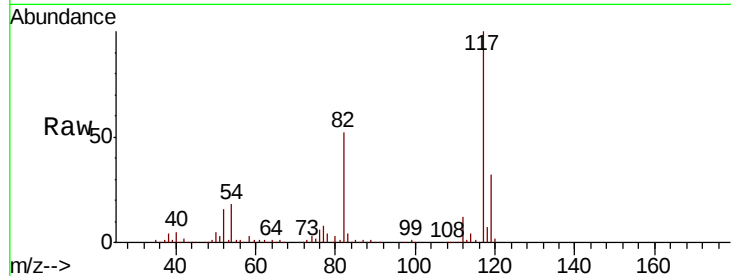




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

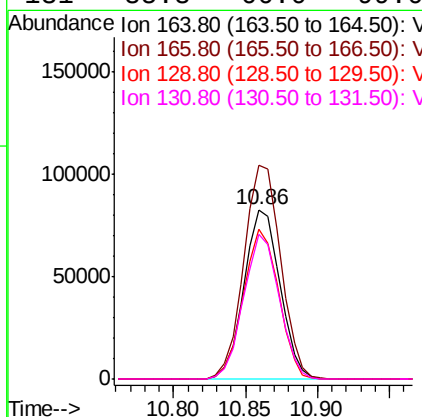
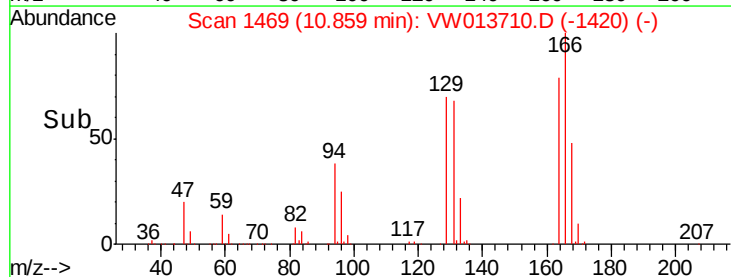
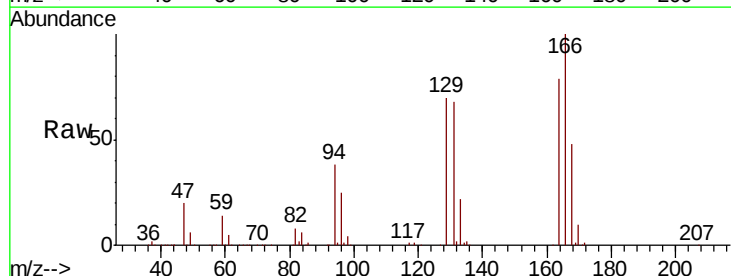
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

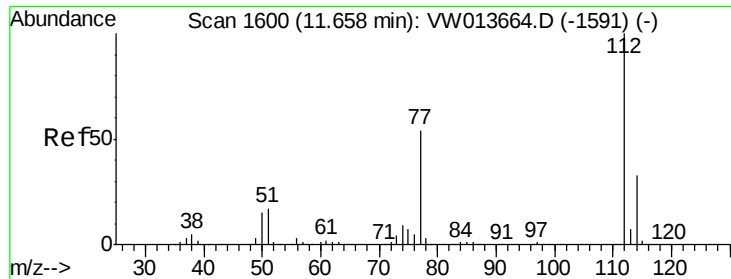
Tot Ion:117 Resp: 369790
Ion Ratio Lower Upper
117 100
82 52.1 43.6 65.4
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 50.439 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion:164 Resp: 142508
Ion Ratio Lower Upper
164 100
166 126.4 103.2 154.8
129 88.9 70.6 105.8
131 85.8 66.0 99.0

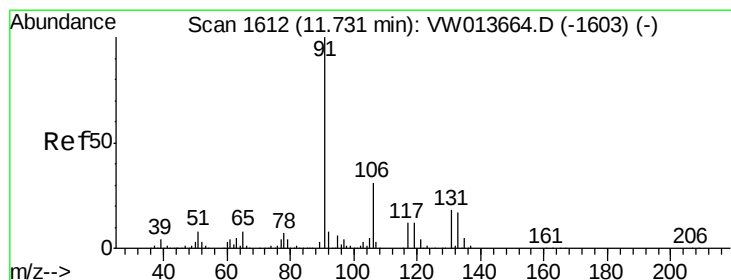
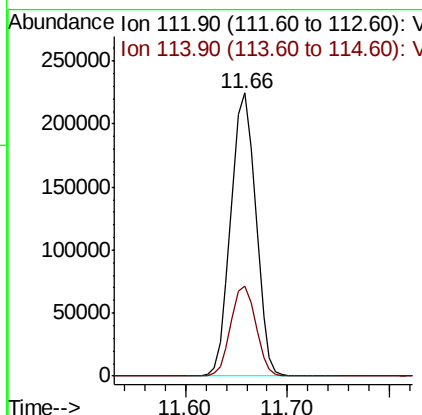
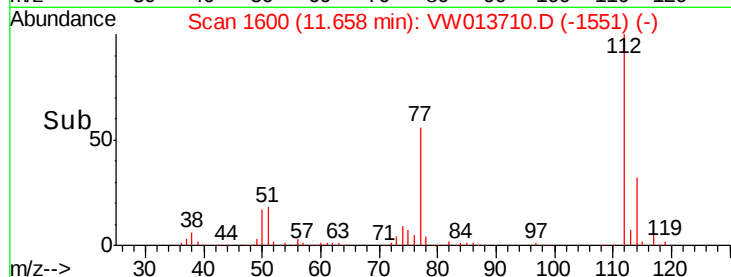
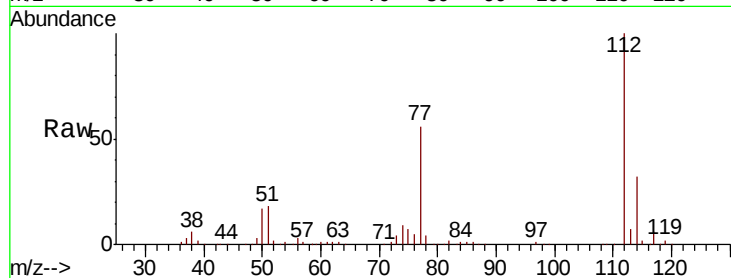




#65
Chlorobenzene
Concen: 50.089 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

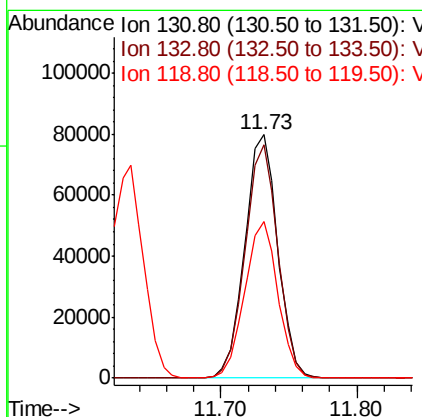
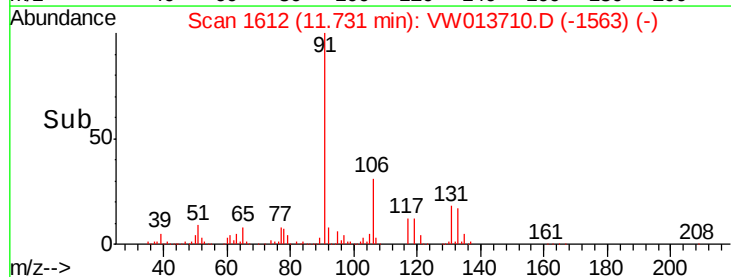
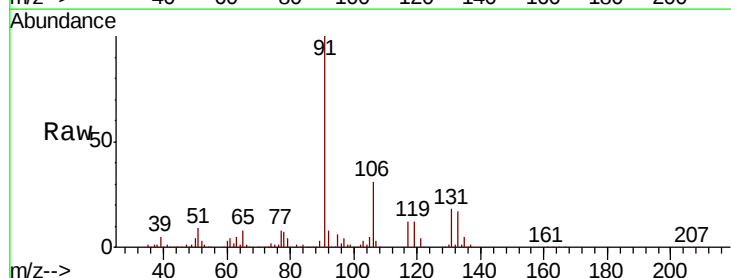
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

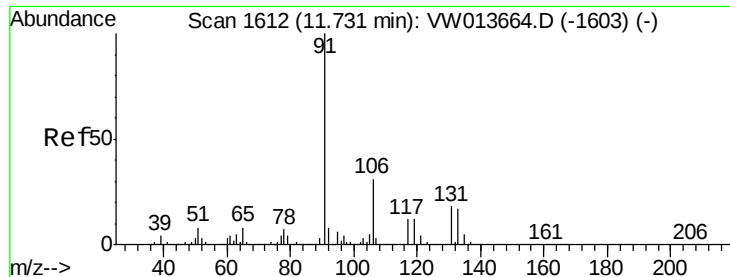
Tot Ion:112 Resp: 380623
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.052 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion:131 Resp: 135389
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.3
119 64.6 33.1 99.2





#67

Ethyl Benzene

Concen: 51.196 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

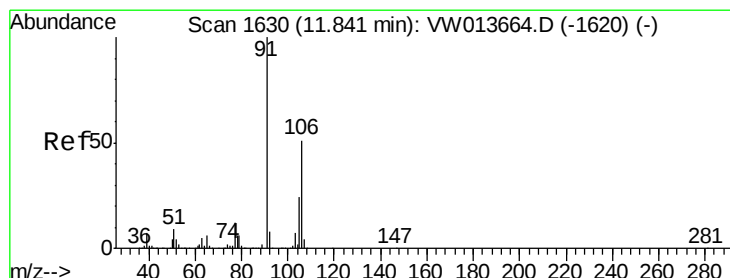
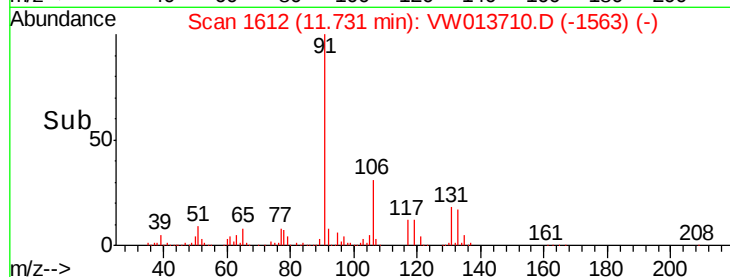
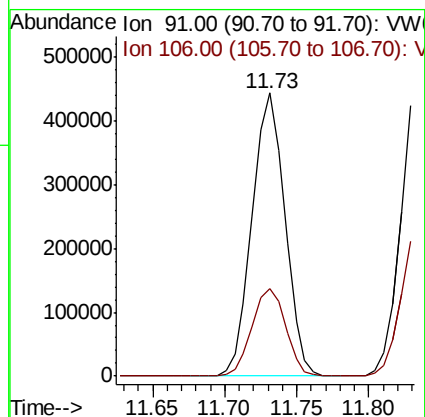
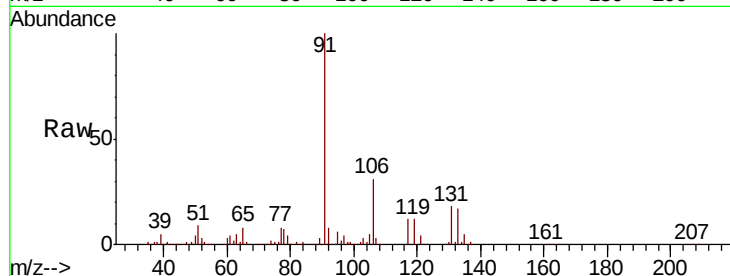
VSTDCCC050

Tot Ion: 91 Resp: 701489

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.6



#68

m/p-Xylenes

Concen: 101.117 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013710.D

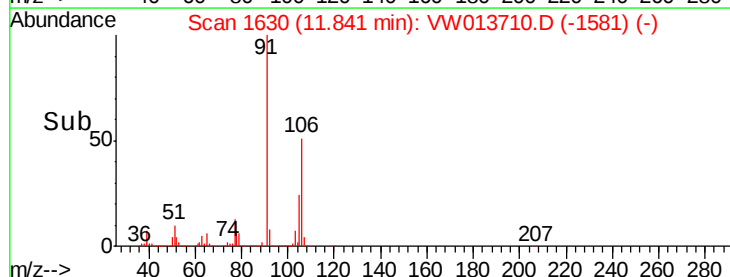
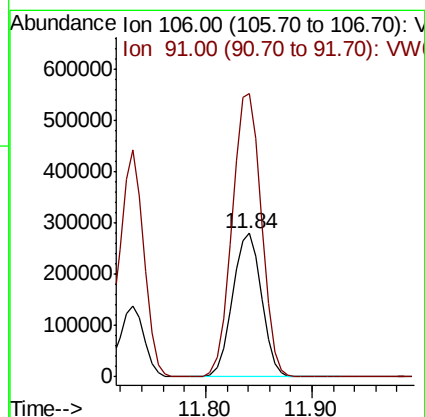
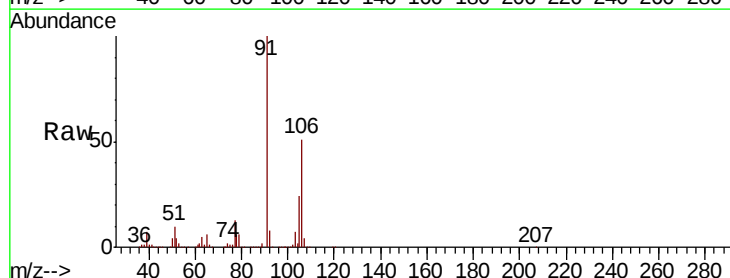
Acq: 24 Oct 2019 14:02

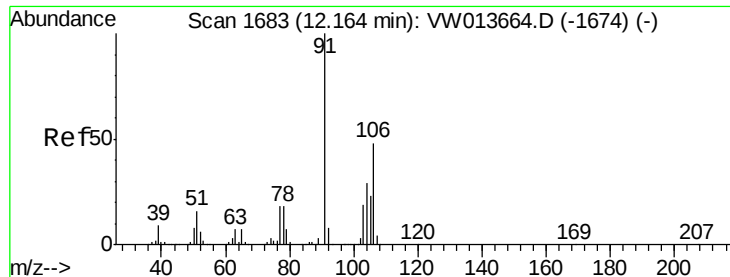
Tgt Ion: 106 Resp: 535301

Ion Ratio Lower Upper

106 100

91 198.8 159.2 238.8

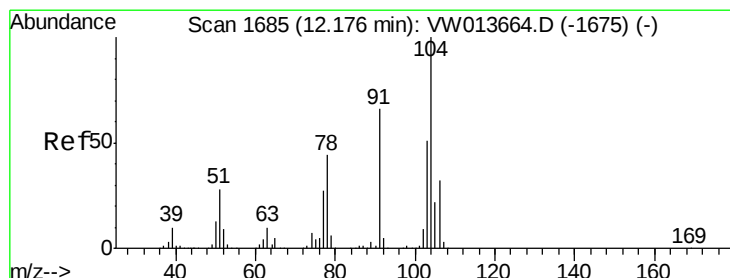
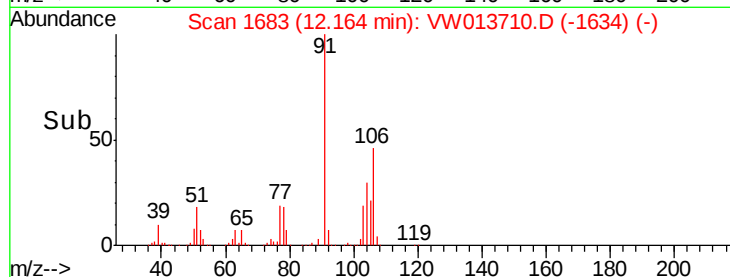
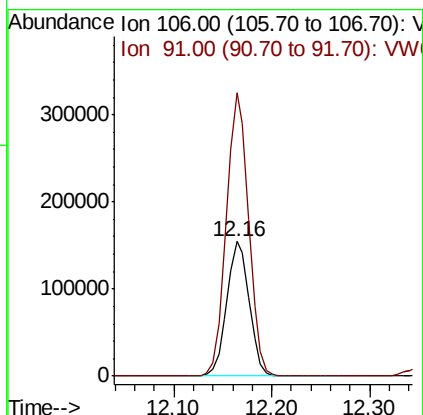
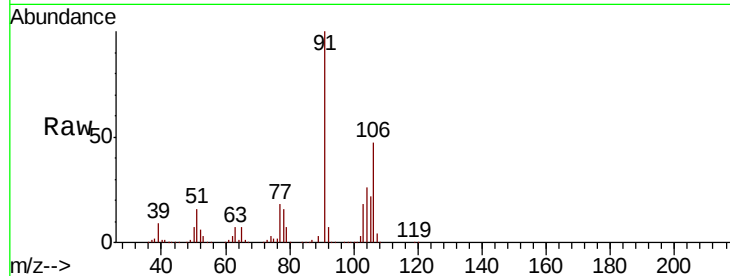




#69
o-Xylene
Concen: 50.485 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

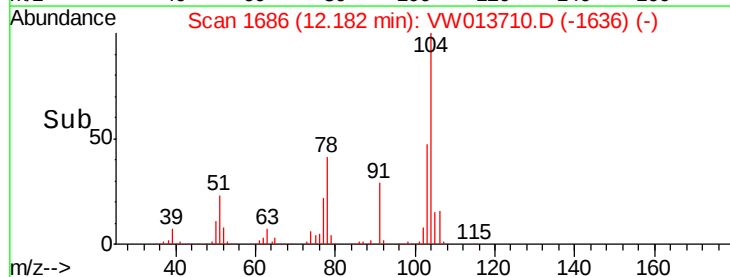
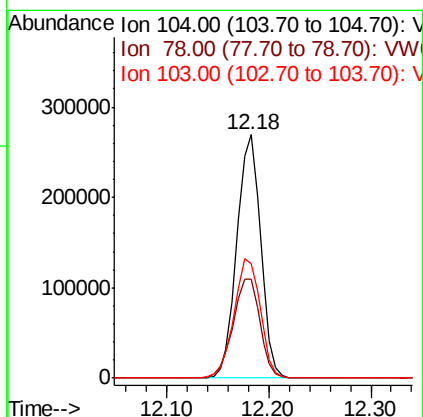
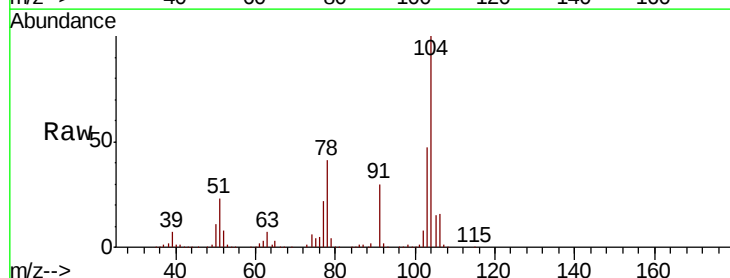
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

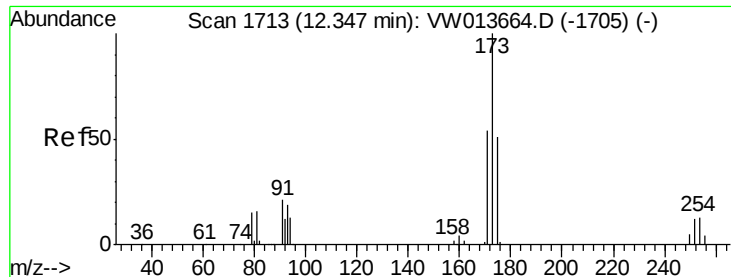
Tot Ion:106 Resp: 245656
Ion Ratio Lower Upper
106 100
91 208.6 104.9 314.7



#70
Styrene
Concen: 52.011 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion:104 Resp: 434829
Ion Ratio Lower Upper
104 100
78 46.0 37.1 55.7
103 53.8 43.6 65.4





#71

Bromoform

Concen: 49.779 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

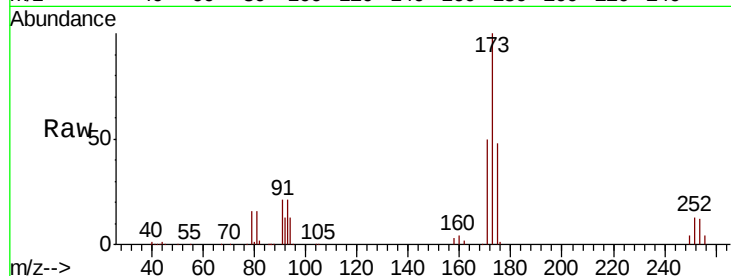
Tot Ion:173 Resp: 69279

Ion Ratio Lower Upper

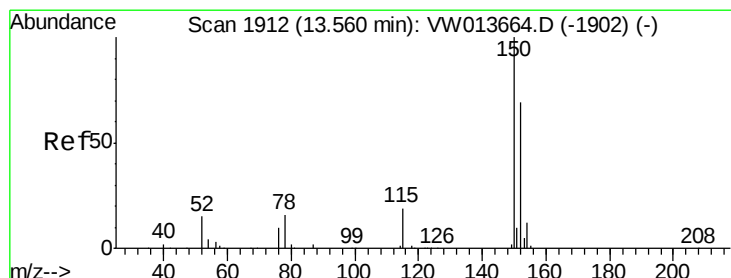
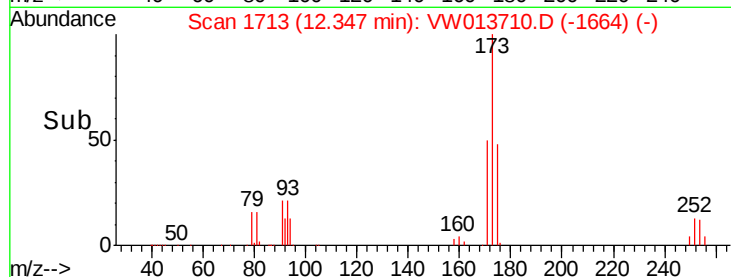
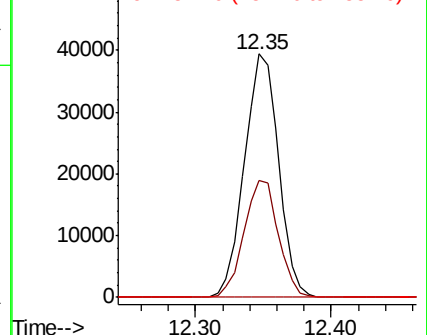
173 100

175 48.3 25.2 75.6

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

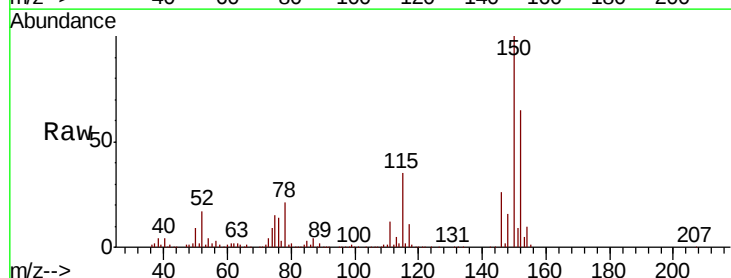
Tgt Ion:152 Resp: 189492

Ion Ratio Lower Upper

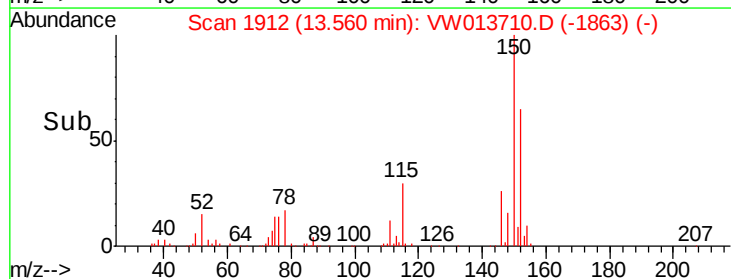
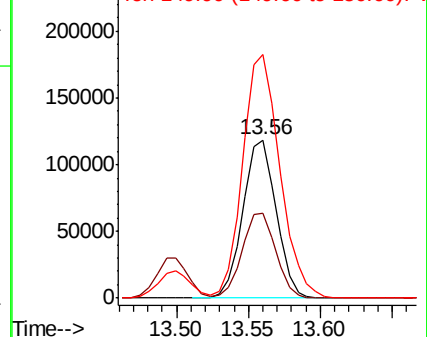
152 100

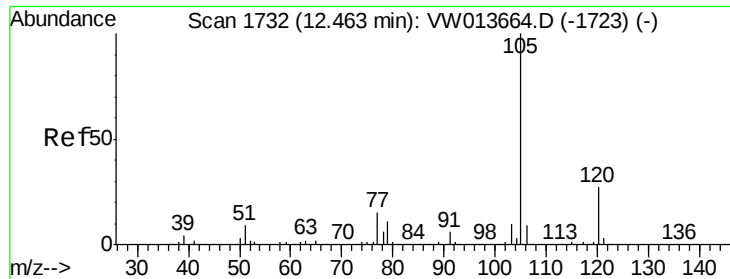
115 54.8 27.4 82.2

150 172.0 0.0 345.4



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: 51.263 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

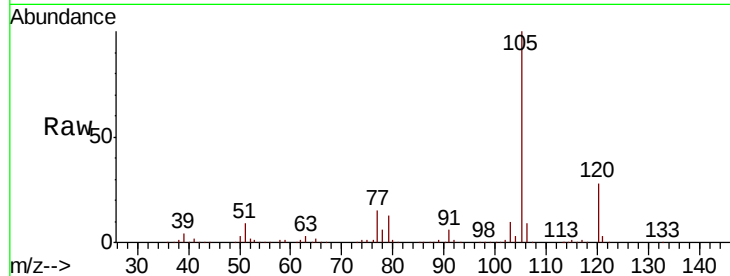
VSTDCCC050

Tot Ion:105 Resp: 697587

Ion Ratio Lower Upper

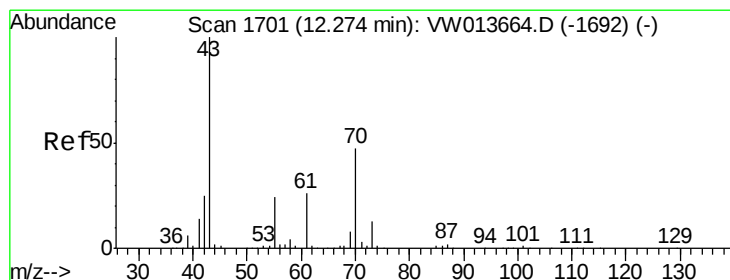
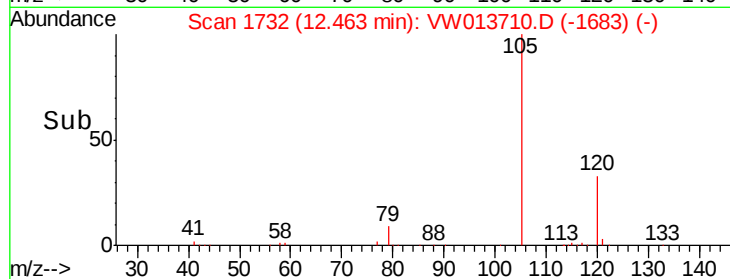
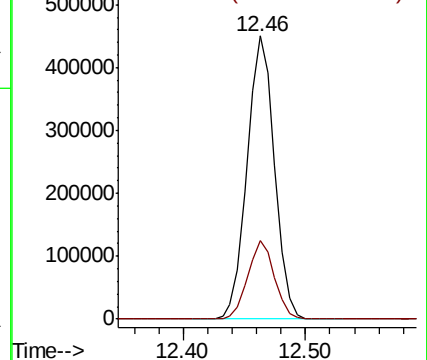
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.967 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Tgt Ion: 43 Resp: 131532

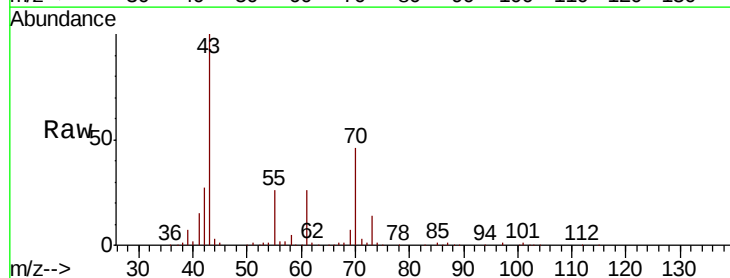
Ion Ratio Lower Upper

43 100

70 46.0 36.6 55.0

55 26.6 20.3 30.5

61 26.1 20.4 30.6

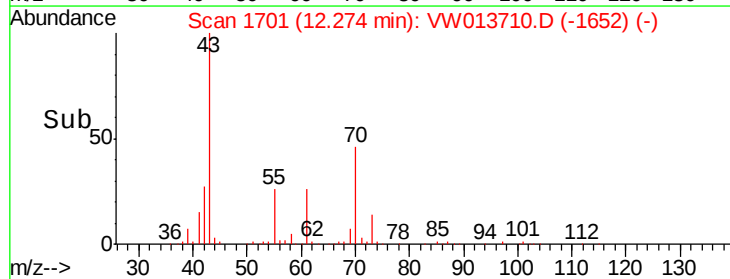
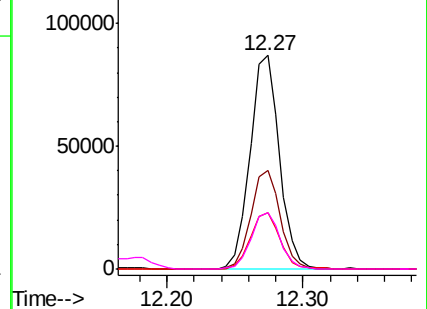


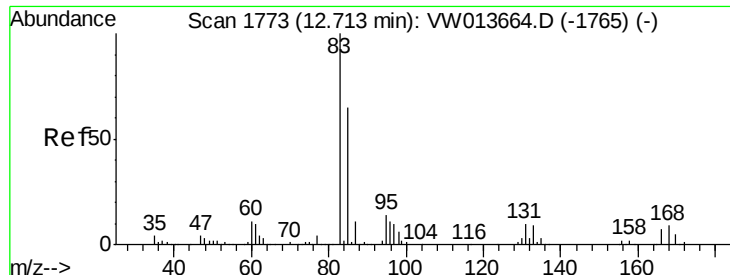
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 49.354 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

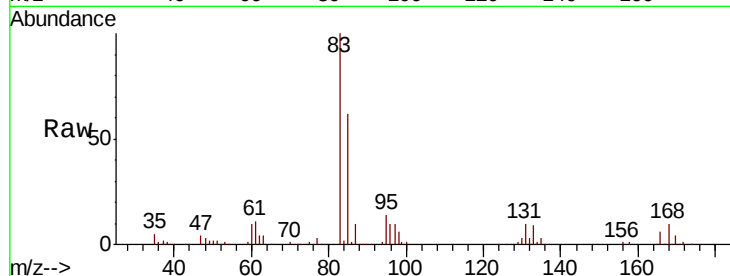
Tot Ion: 83 Resp: 105984

Ion Ratio Lower Upper

83 100

131 11.0 5.7 17.1

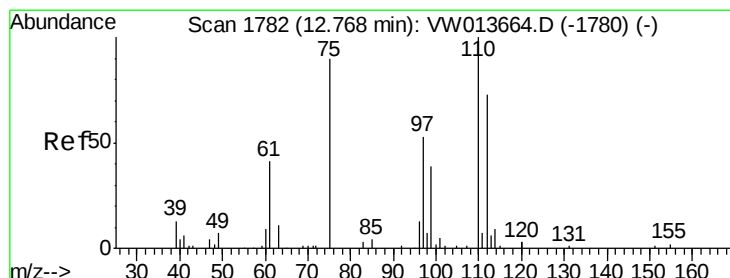
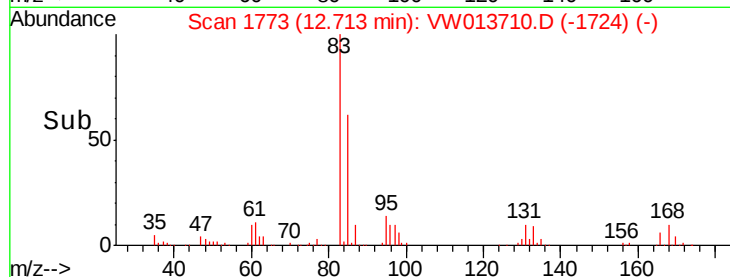
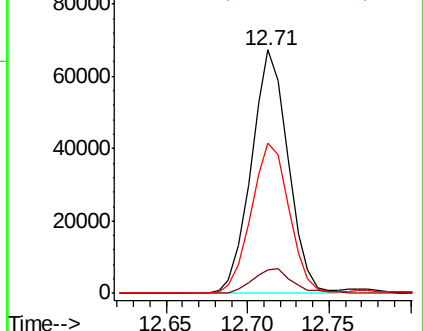
85 63.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 99.756 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013710.D

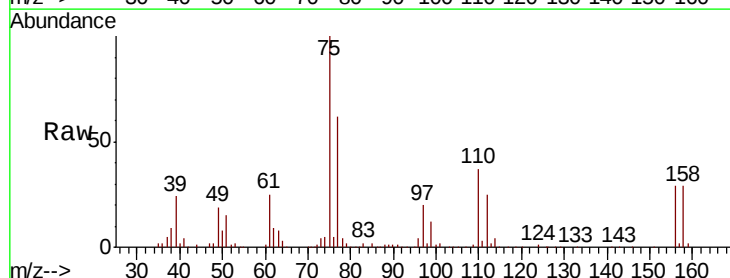
Acq: 24 Oct 2019 14:02

Tgt Ion: 75 Resp: 135750

Ion Ratio Lower Upper

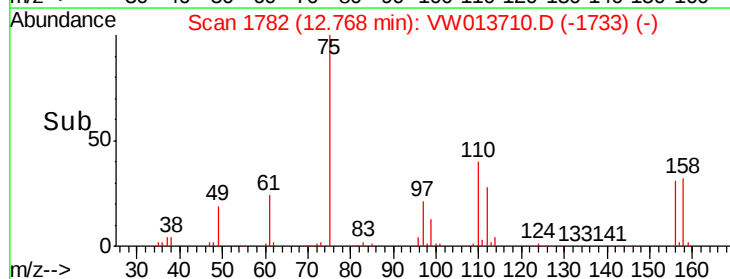
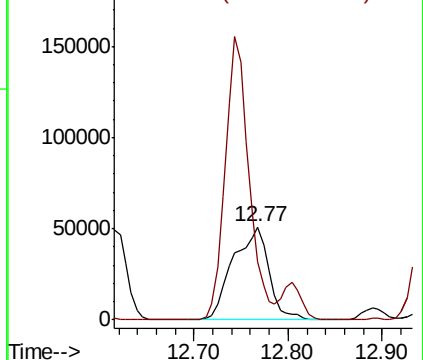
75 100

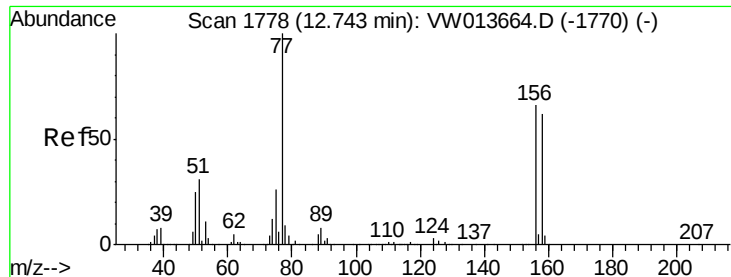
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.177 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

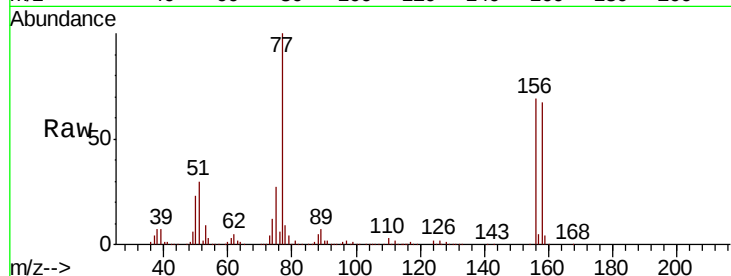
Tot Ion:156 Resp: 163113

Ion Ratio Lower Upper

156 100

77 167.9 82.9 248.7

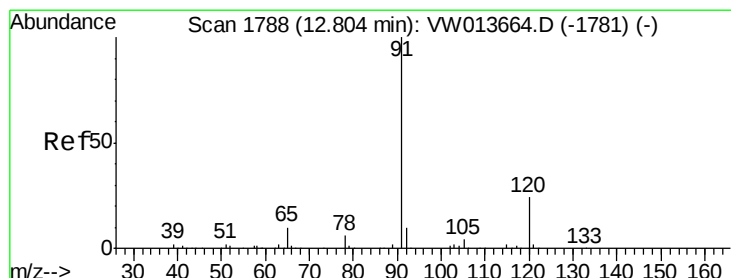
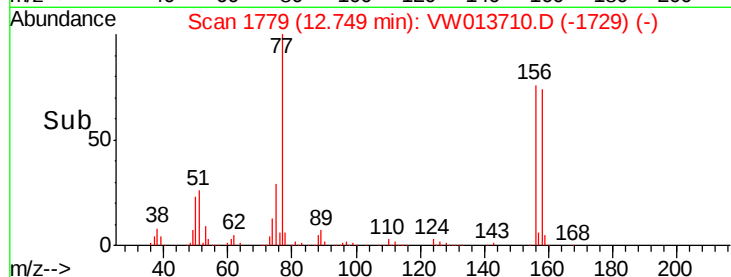
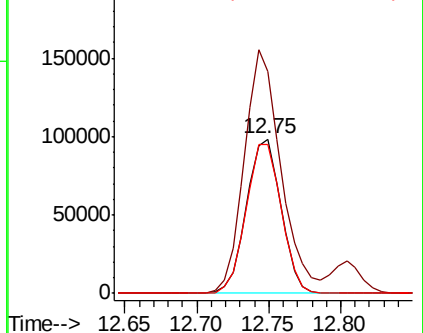
158 98.6 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.655 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013710.D

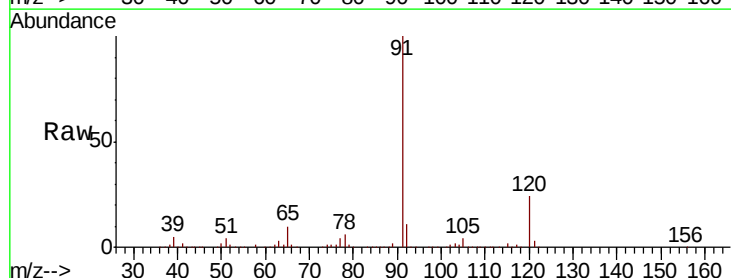
Acq: 24 Oct 2019 14:02

Tgt Ion: 91 Resp: 813589

Ion Ratio Lower Upper

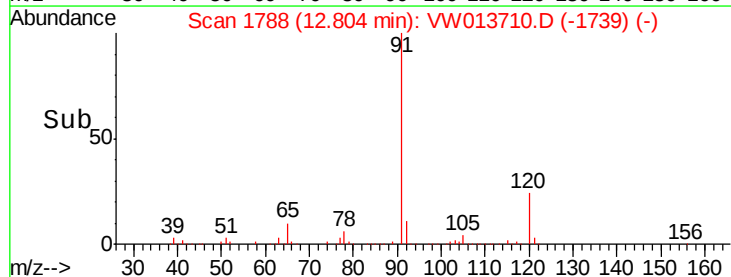
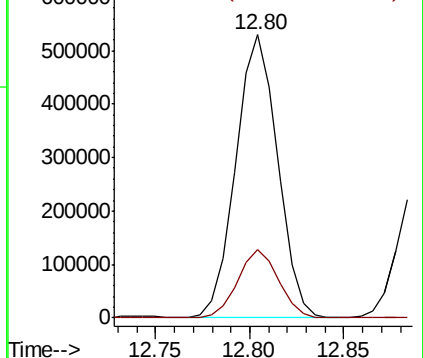
91 100

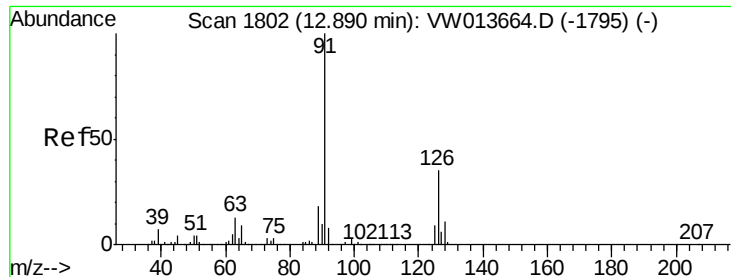
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.901 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

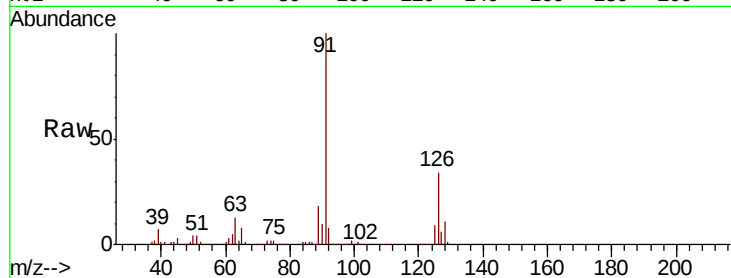
VSTDCCC050

Tot Ion: 91 Resp: 450532

Ion Ratio Lower Upper

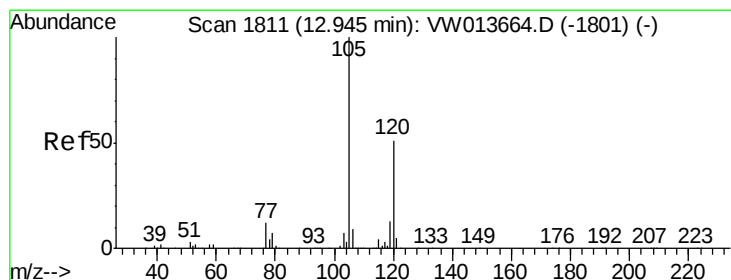
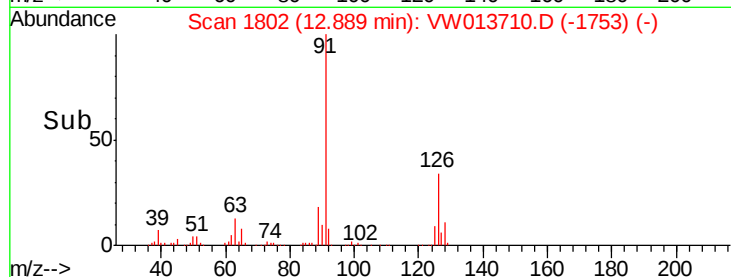
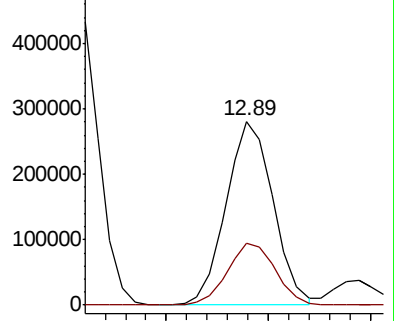
91 100

126 34.5 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.109 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013710.D

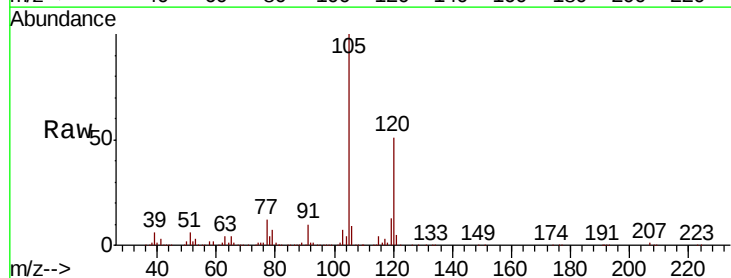
Acq: 24 Oct 2019 14:02

Tgt Ion:105 Resp: 587113

Ion Ratio Lower Upper

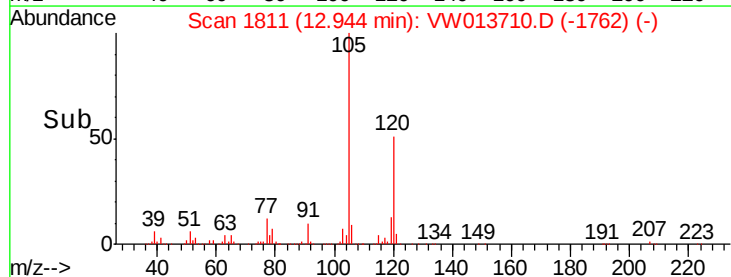
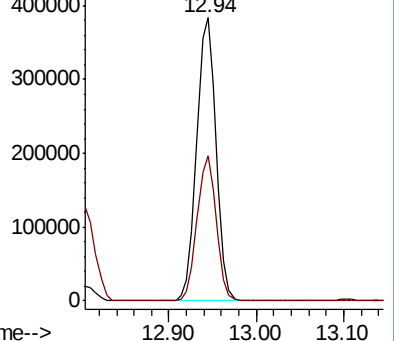
105 100

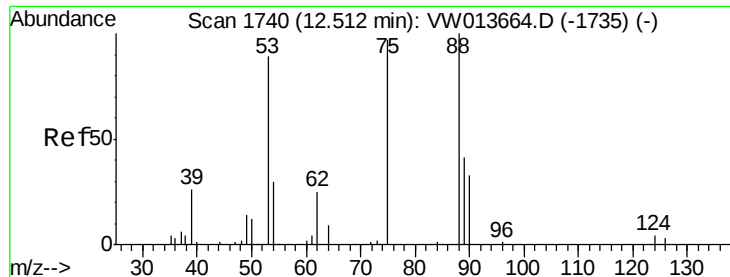
120 50.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.078 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

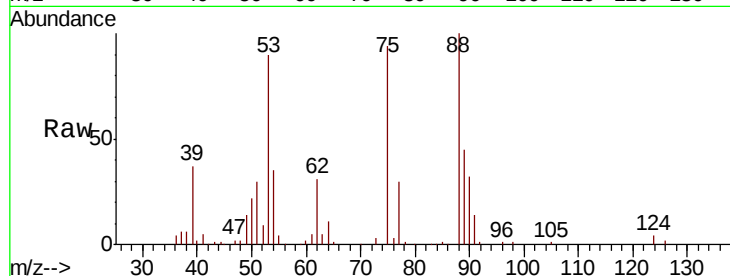
Tot Ion: 75 Resp: 35339

Ion Ratio Lower Upper

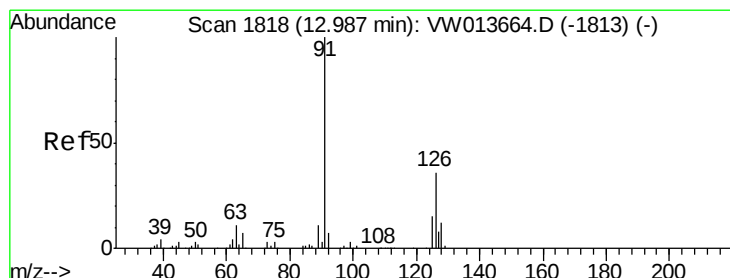
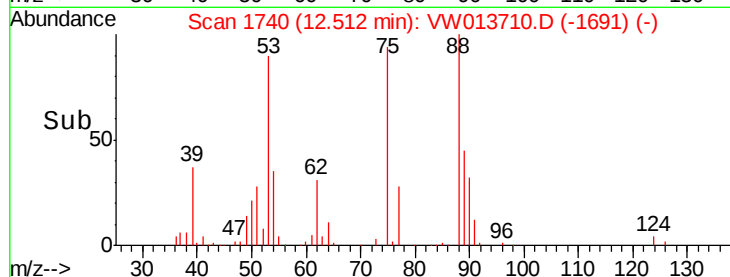
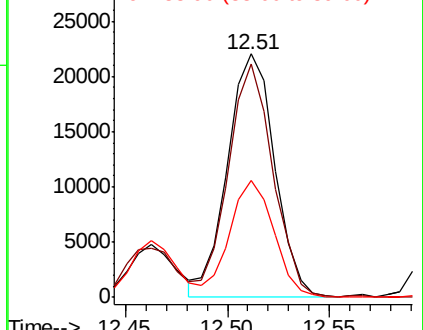
75 100

53 90.7 71.7 107.5

89 44.8 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 50.695 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013710.D

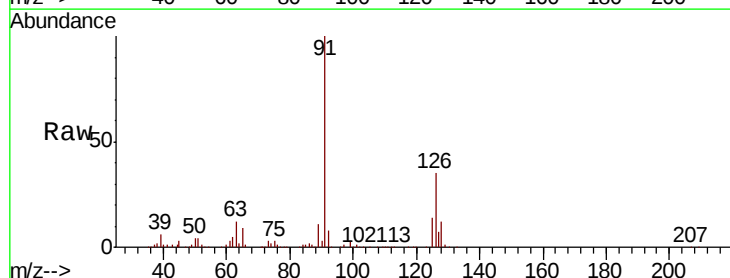
Acq: 24 Oct 2019 14:02

Tgt Ion: 91 Resp: 471078

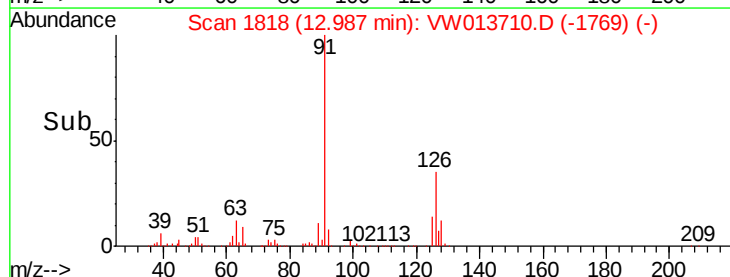
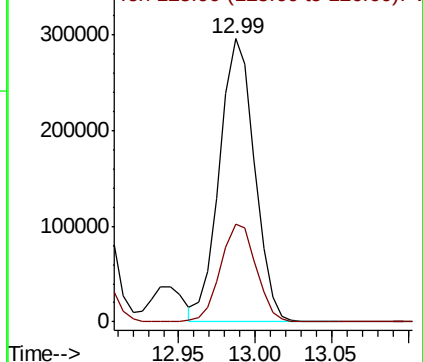
Ion Ratio Lower Upper

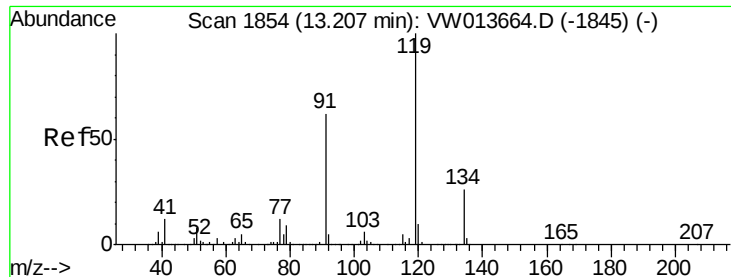
91 100

126 35.1 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

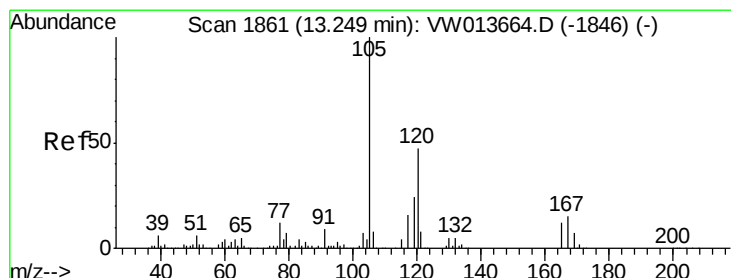
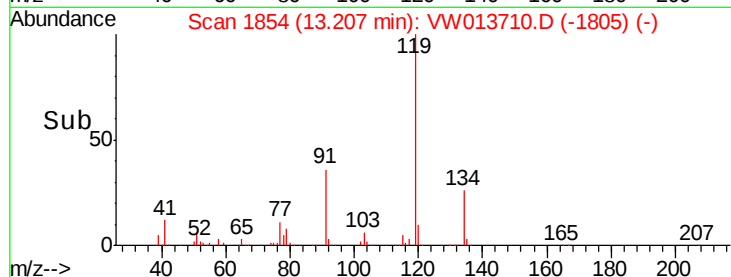
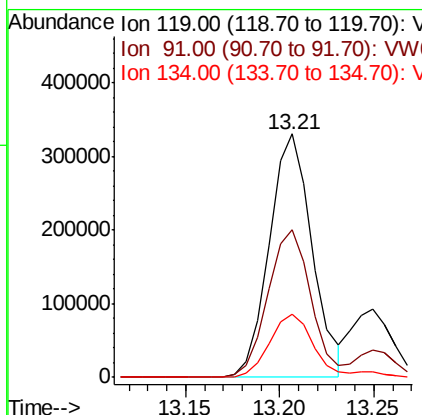
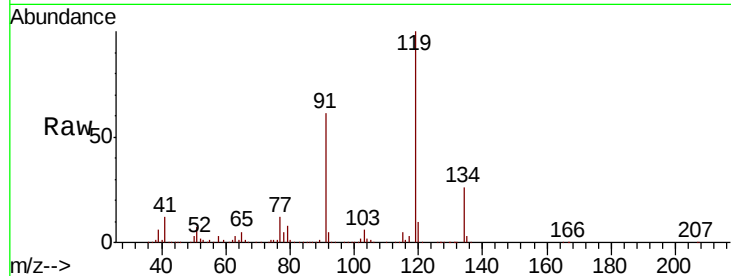




#83
tert-Butylbenzene
Concen: 51.106 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

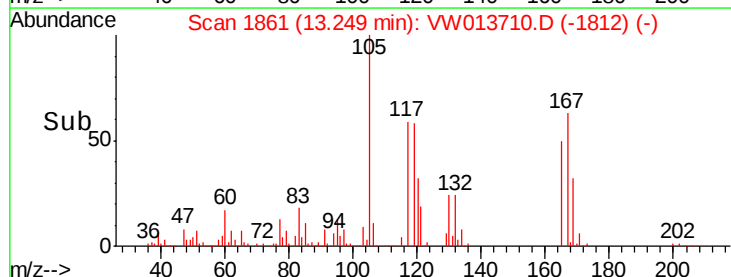
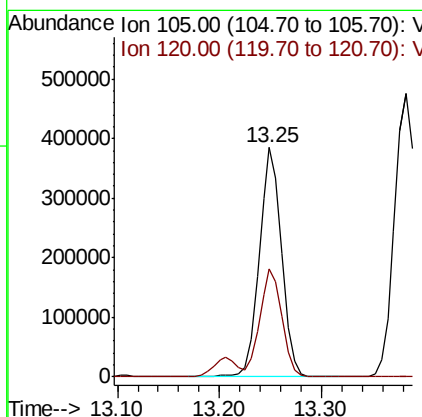
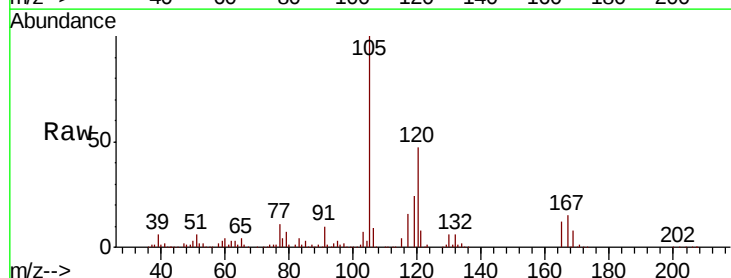
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

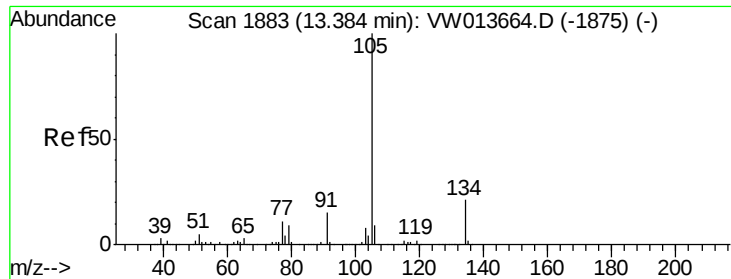
Tot Ion:119 Resp: 521118
Ion Ratio Lower Upper
119 100
91 60.9 30.4 91.3
134 26.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 51.950 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion:105 Resp: 588686
Ion Ratio Lower Upper
105 100
120 46.4 23.5 70.5





#85

sec-Butylbenzene

Concen: 51.996 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

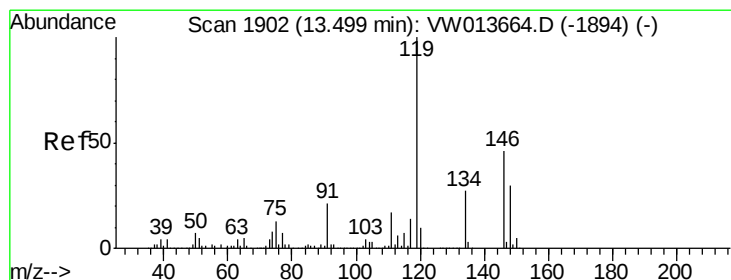
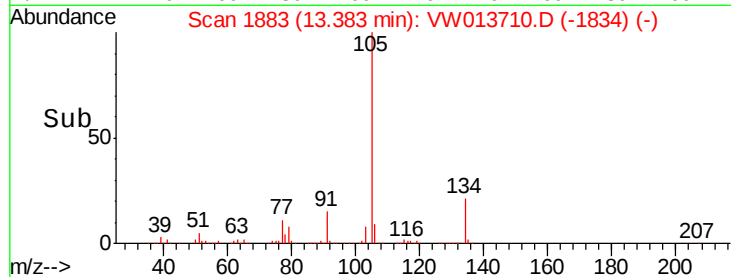
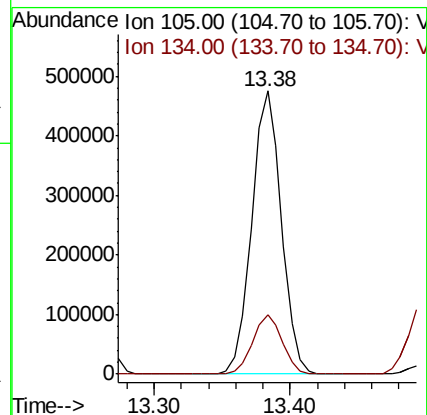
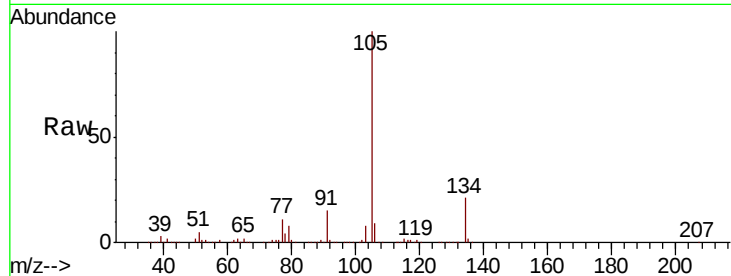
VSTDCCC050

Tot Ion:105 Resp: 725010

Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.5



#86

p-Isopropyltoluene

Concen: 51.359 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

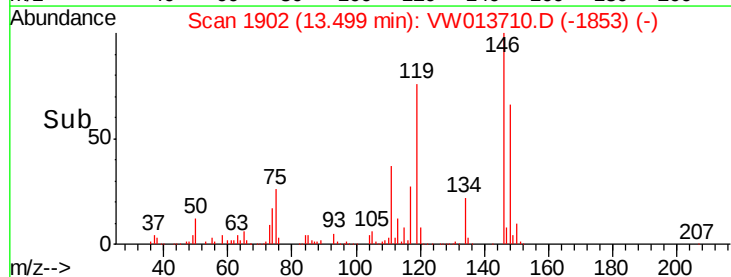
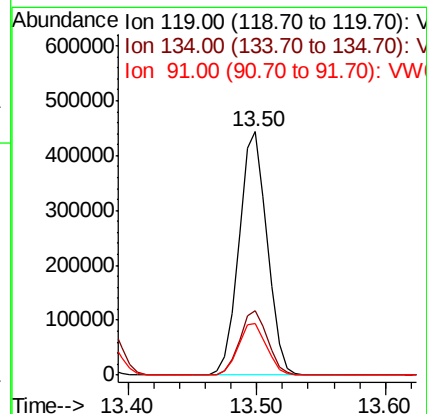
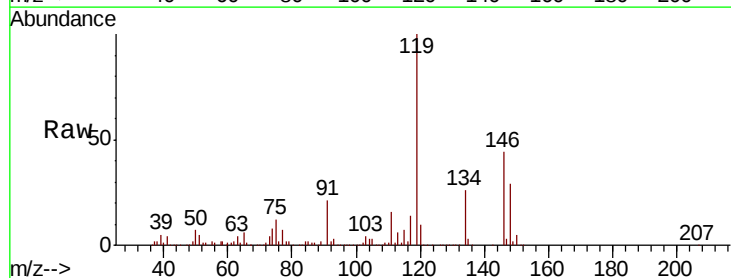
Tgt Ion:119 Resp: 667080

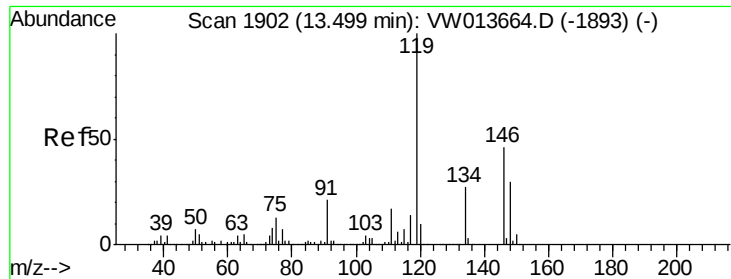
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 21.6 10.8 32.3

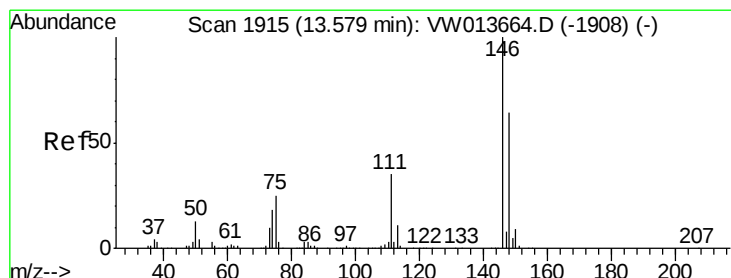
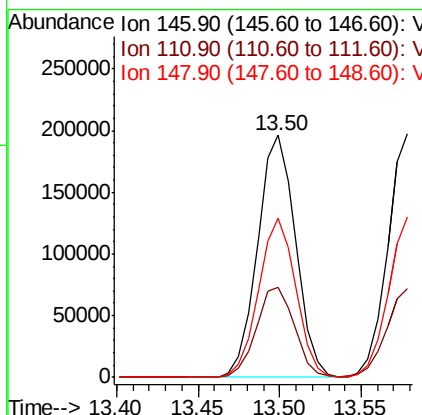
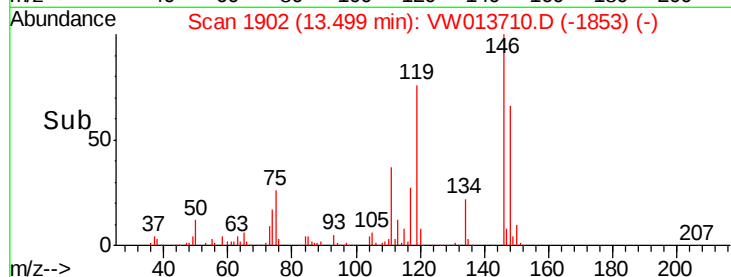
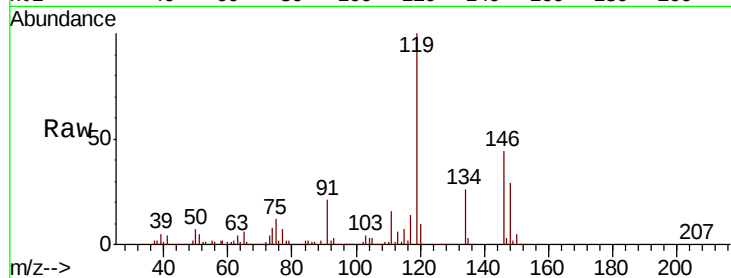




#87
 1,3-Dichlorobenzene
 Concen: 50.435 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

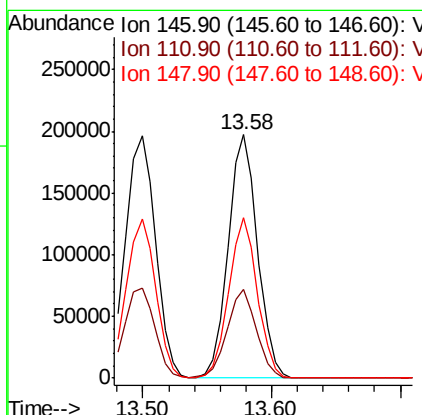
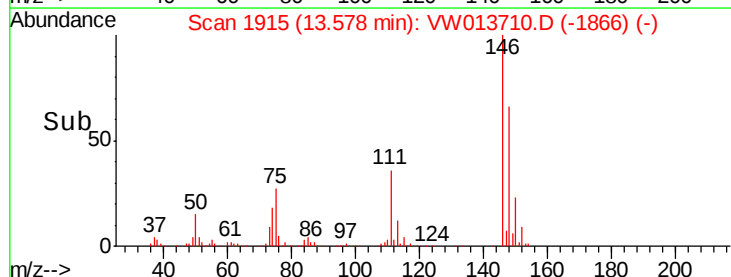
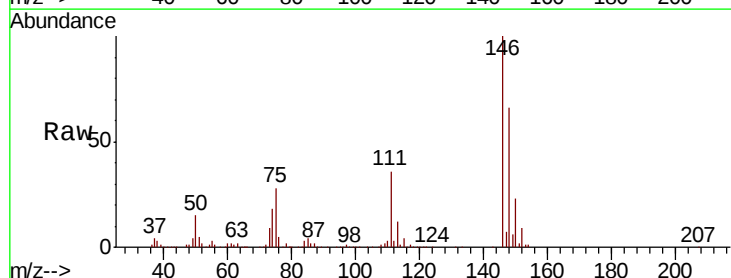
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

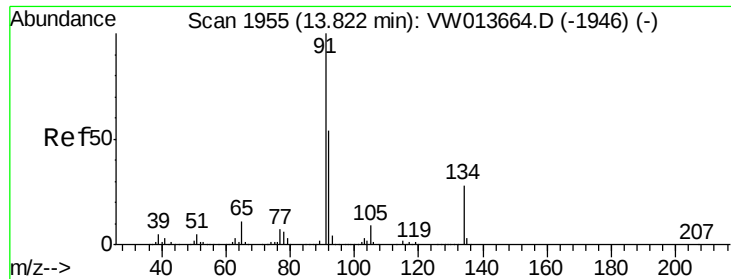
Tot Ion:146 Resp: 317663
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 56.0
 148 64.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 49.972 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Tgt Ion:146 Resp: 312686
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.1 54.3
 148 64.5 32.0 96.2

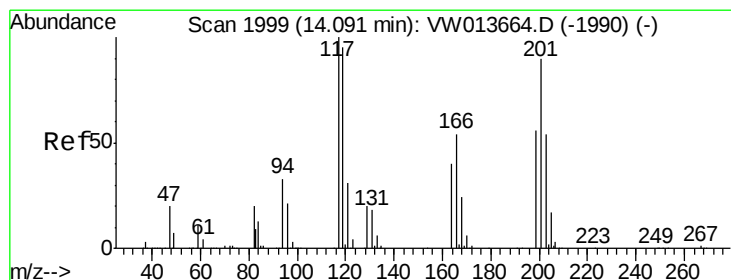
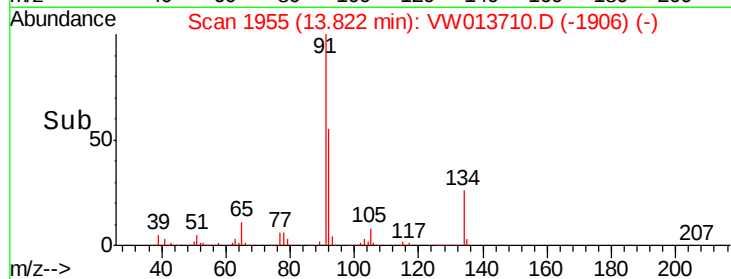
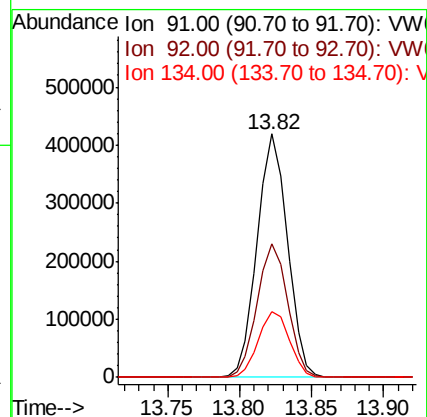
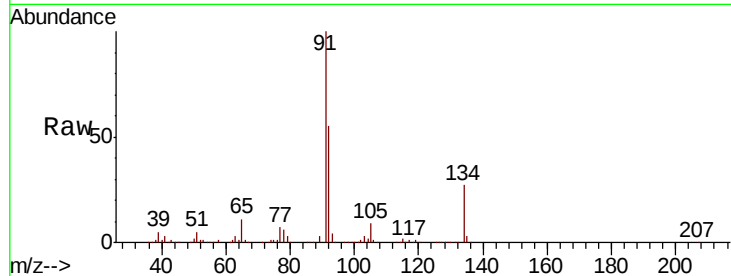




#89
n-Butylbenzene
Concen: 51.958 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

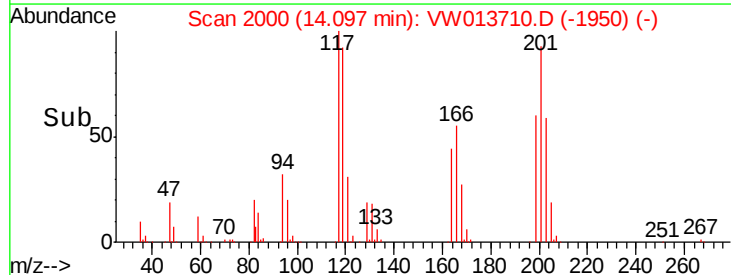
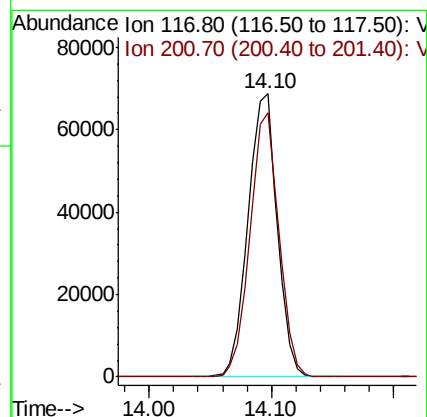
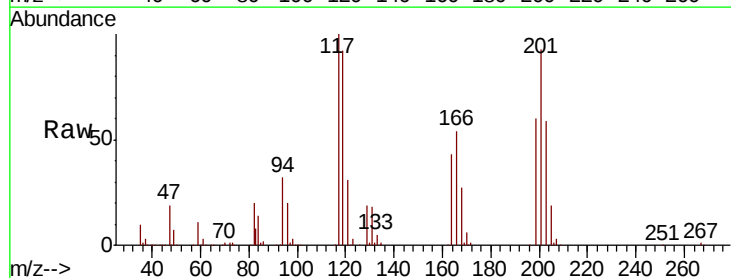
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

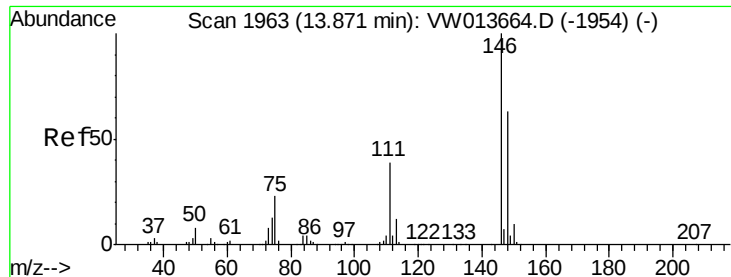
Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.5	82.4
134	27.9	14.0	41.9



#90
Hexachloroethane
Concen: 50.695 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.4	46.1	138.2





#91

1,2-Dichlorobenzene

Concen: 50.731 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

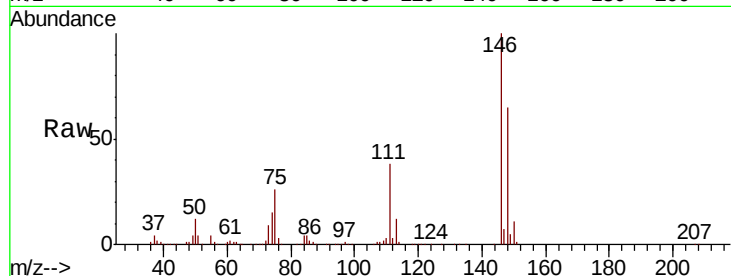
Tot Ion:146 Resp: 277055

Ion Ratio Lower Upper

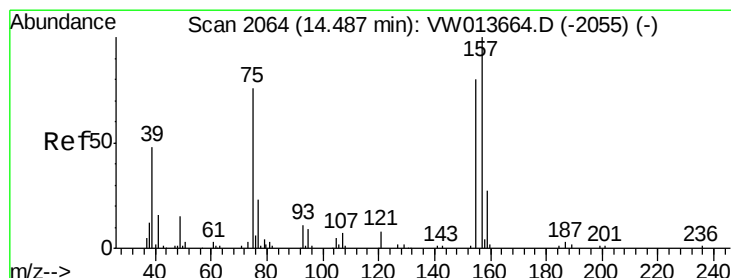
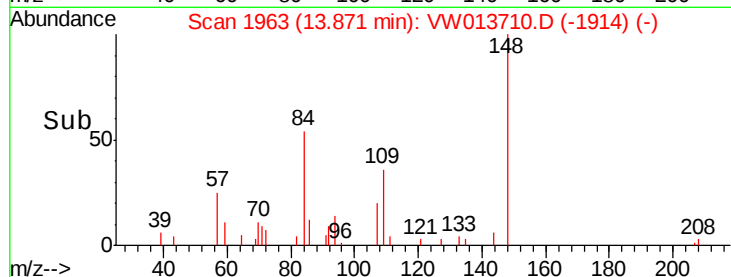
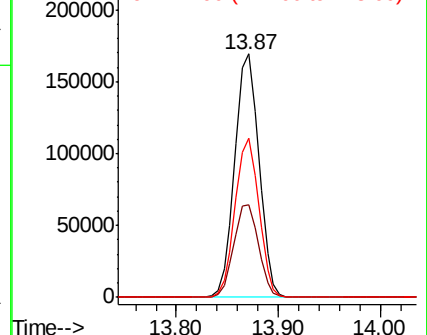
146 100

111 39.0 19.9 59.6

148 64.5 31.9 95.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.298 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW013710.D

Acq: 24 Oct 2019 14:02

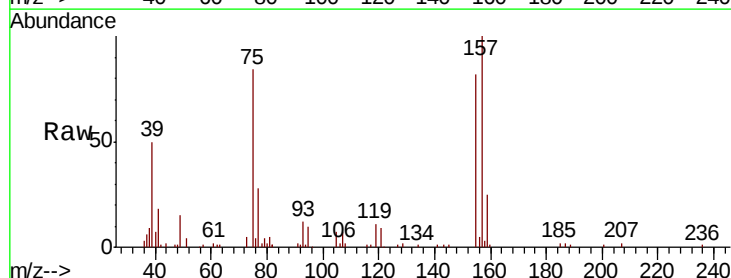
Tgt Ion: 75 Resp: 16008

Ion Ratio Lower Upper

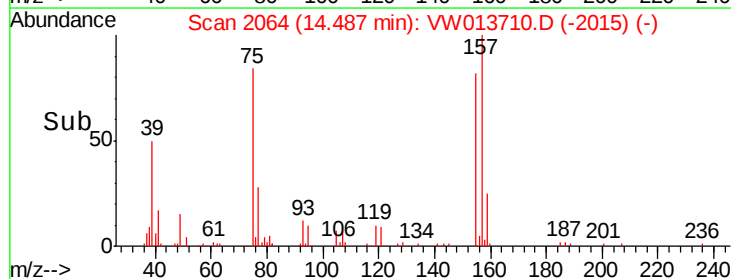
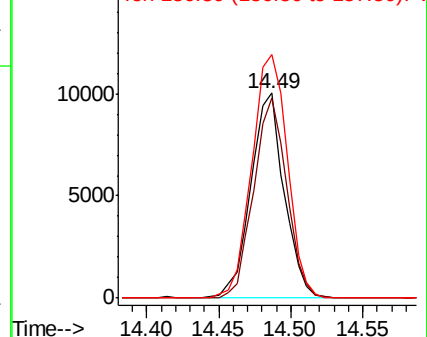
75 100

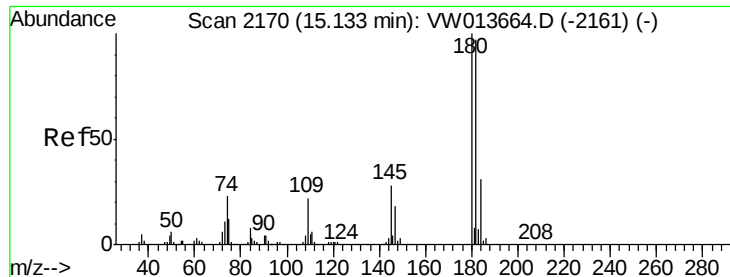
155 96.3 51.9 155.7

157 126.6 64.8 194.3



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

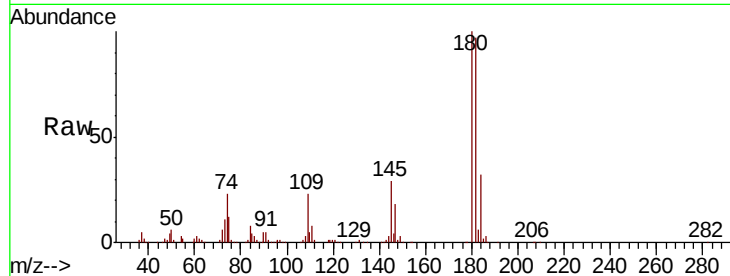




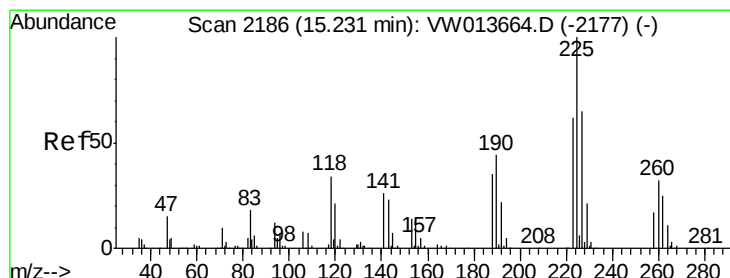
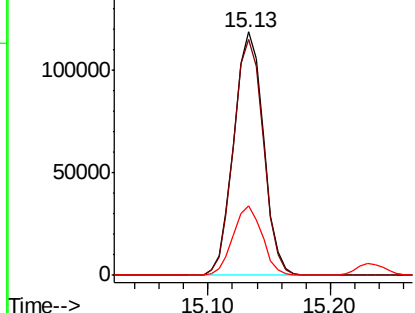
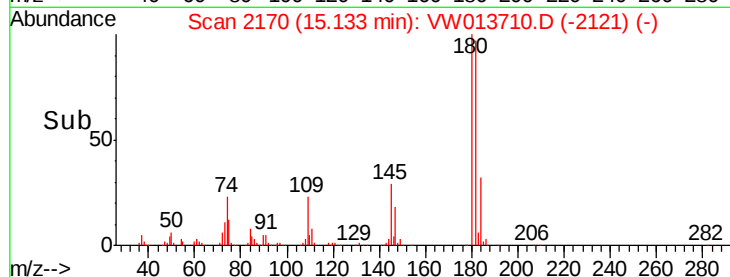
#93
 1,2,4-Trichlorobenzene
 Concen: 49.934 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 198461
 Ion Ratio Lower Upper
 180 100
 182 97.3 47.4 142.2
 145 28.1 14.1 42.3

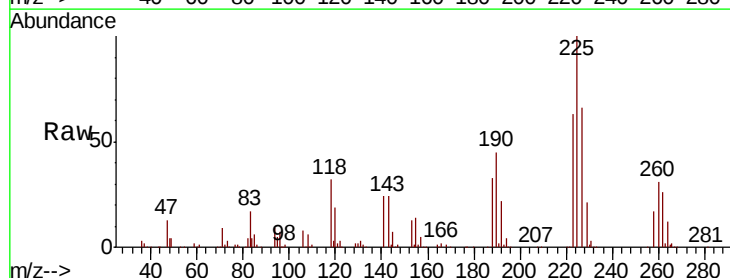


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

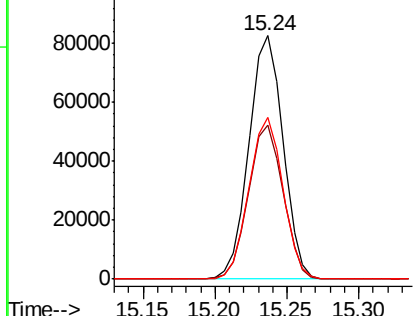
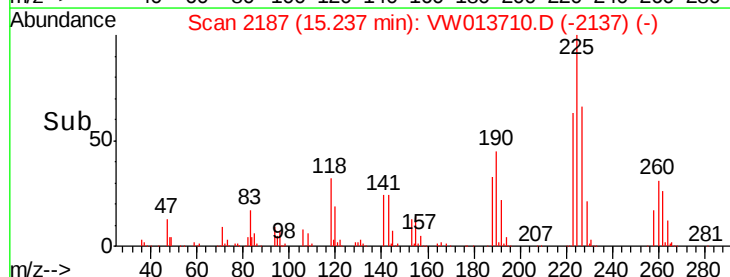


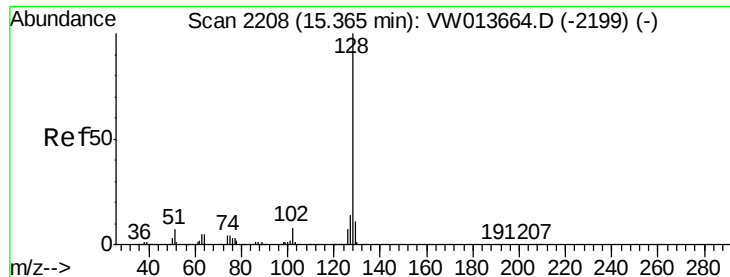
#94
 Hexachlorobutadiene
 Concen: 50.448 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013710.D
 Acq: 24 Oct 2019 14:02

Tgt Ion:225 Resp: 135357
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.9 95.9
 227 66.2 32.5 97.4



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

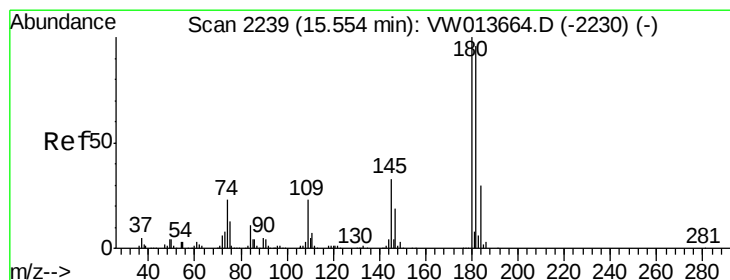
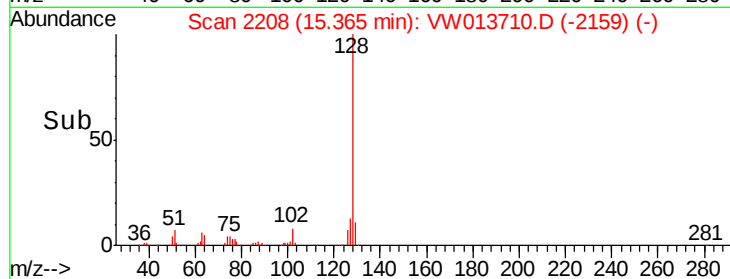
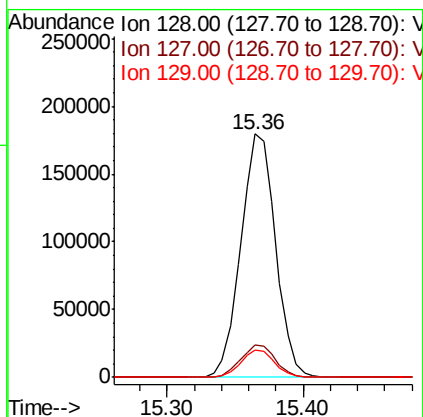
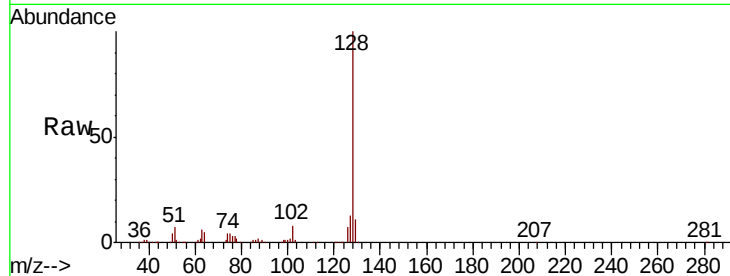




#95
Naphthalene
Concen: 51.524 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 321066
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.836 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013710.D
Acq: 24 Oct 2019 14:02

Tgt Ion:180 Resp: 170672
Ion Ratio Lower Upper
180 100
182 97.1 47.4 142.3
145 30.2 14.9 44.9

