

Data File : VW013993.D
Acq On : 12 Nov 2019 22:59
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5.0ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 13 06:46:57 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	266661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	389708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165442	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	107597	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	7.88	113	108491	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.32	98	441589	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.62	95	147704	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	60939	43.378	ug/l	97
3) Chloromethane	2.21	50	60747	40.235	ug/l	95
4) Vinyl Chloride	2.36	62	113861	49.937	ug/l	100
5) Bromomethane	2.78	94	72284	48.203	ug/l	100
6) Chloroethane	2.92	64	70664	51.218	ug/l	96
7) Trichlorofluoromethane	3.26	101	60204	42.273	ug/l	98
8) Diethyl Ether	3.68	74	60723	52.774	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119084	51.435	ug/l	98
10) Methyl Iodide	4.28	142	193242	51.220	ug/l	99
11) Tert butyl alcohol	5.16	59	40752	341.252	ug/l	98
12) 1,1-Dichloroethene	4.04	96	125601	52.519	ug/l	95
13) Acrolein	3.89	56	44284	323.680	ug/l	98
14) Allyl chloride	4.67	41	187657	51.030	ug/l	99
15) Acrylonitrile	5.37	53	133143	284.575	ug/l	99
16) Acetone	4.12	43	117190	276.296	ug/l	90
17) Carbon Disulfide	4.39	76	339835	49.479	ug/l	99
18) Methyl Acetate	4.67	43	73857	63.523	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	161670	56.333	ug/l	98
20) Methylene Chloride	4.92	84	128806	55.741	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	130271	50.610	ug/l	96
22) Diisopropyl ether	6.31	45	360063	53.677	ug/l	95
23) Vinyl Acetate	6.25	43	1053818	270.750	ug/l	99
24) 1,1-Dichloroethane	6.21	63	218992	51.548	ug/l	99
25) 2-Butanone	7.17	43	181085	296.962	ug/l	96
26) 2,2-Dichloropropane	7.16	77	109915	44.743	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	139822	51.142	ug/l	97
28) Bromochloromethane	7.51	49	80005	52.781	ug/l	99
29) Tetrahydrofuran	7.52	42	119498	316.531	ug/l	98
30) Chloroform	7.67	83	218955	52.137	ug/l	99
31) Cyclohexane	7.95	56	212436	47.783	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	172417	52.317	ug/l	99
36) 1,1-Dichloropropene	8.08	75	180620	49.766	ug/l	99
37) Ethyl Acetate	7.25	43	77943	56.101	ug/l	99
38) Carbon Tetrachloride	8.07	117	164130	50.219	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	225967	48.211	ug/l	99
40) Benzene	8.32	78	510007	49.654	ug/l	98
41) Methacrylonitrile	7.48	41	48934	56.482	ug/l	96
42) 1,2-Dichloroethane	8.40	62	136378	52.691	ug/l	99
43) Isopropyl Acetate	8.42	43	149864	56.353	ug/l	99
44) Trichloroethene	9.09	130	145939	49.603	ug/l	99
45) 1,2-Dichloropropane	9.37	63	123010	50.140	ug/l	99
46) Dibromomethane	9.46	93	61177	51.377	ug/l	98
47) Bromodichloromethane	9.65	83	162527	52.752	ug/l	95
48) Methyl methacrylate	9.43	41	74442	56.448	ug/l	99
49) 1,4-Dioxane	9.45	88	23897	1358.118	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	393016	297.405	ug/l	100
52) Toluene	10.38	92	327812	49.479	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	161498	51.779	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	194307	50.494	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	94948	53.503	ug/l	97
56) Ethyl methacrylate	10.65	69	126450	56.953	ug/l	99
57) 1,3-Dichloropropane	10.93	76	161417	53.004	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	233221	228.235	ug/l	99
59) 2-Hexanone	10.96	43	268405	294.619	ug/l	99
60) Dibromochloromethane	11.13	129	110214	52.308	ug/l	99
61) 1,2-Dibromoethane	11.23	107	89773	53.471	ug/l	99
64) Tetrachloroethene	10.86	164	131275	51.841	ug/l	97
65) Chlorobenzene	11.66	112	343172	50.387	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	123422	51.925	ug/l	98
67) Ethyl Benzene	11.73	91	619151	50.416	ug/l	100
68) m/p-Xylenes	11.83	106	476189	100.362	ug/l	98
69) o-Xylene	12.16	106	219161	50.252	ug/l	99
70) Styrene	12.18	104	387648	51.734	ug/l	99
71) Bromoform	12.35	173	69246	55.514	ug/l #	96
73) Isopropylbenzene	12.46	105	613170	51.609	ug/l	99
74) N-amyl acetate	12.27	43	135497	58.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	106550	56.831	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	134809	113.466	ug/l #	100
77) Bromobenzene	12.74	156	148869	52.452	ug/l	99
78) n-propylbenzene	12.80	91	702713	51.101	ug/l	100
79) 2-Chlorotoluene	12.89	91	397051	51.379	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	512829	51.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34089	54.224	ug/l	98
82) 4-Chlorotoluene	12.99	91	417803	51.498	ug/l	100
83) tert-Butylbenzene	13.21	119	456522	51.280	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	512122	51.763	ug/l	98
85) sec-Butylbenzene	13.38	105	617418	50.716	ug/l	99
86) p-Isopropyltoluene	13.50	119	571143	50.364	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	281575	51.204	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	274709	50.284	ug/l	100
89) n-Butylbenzene	13.82	91	503482	49.187	ug/l	100
90) Hexachloroethane	14.09	117	98406	49.924	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	249850	52.400	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17183	60.608	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111219\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	167643	48.312	ug/l	99
94) Hexachlorobutadiene	15.24	225	108932	46.501	ug/l	98
95) Naphthalene	15.36	128	288018	52.939	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	146864	49.118	ug/l	99

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

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Misc : 5.00G/5.0ML/MSVOA W/SOIL

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ALS Vial      : 22      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

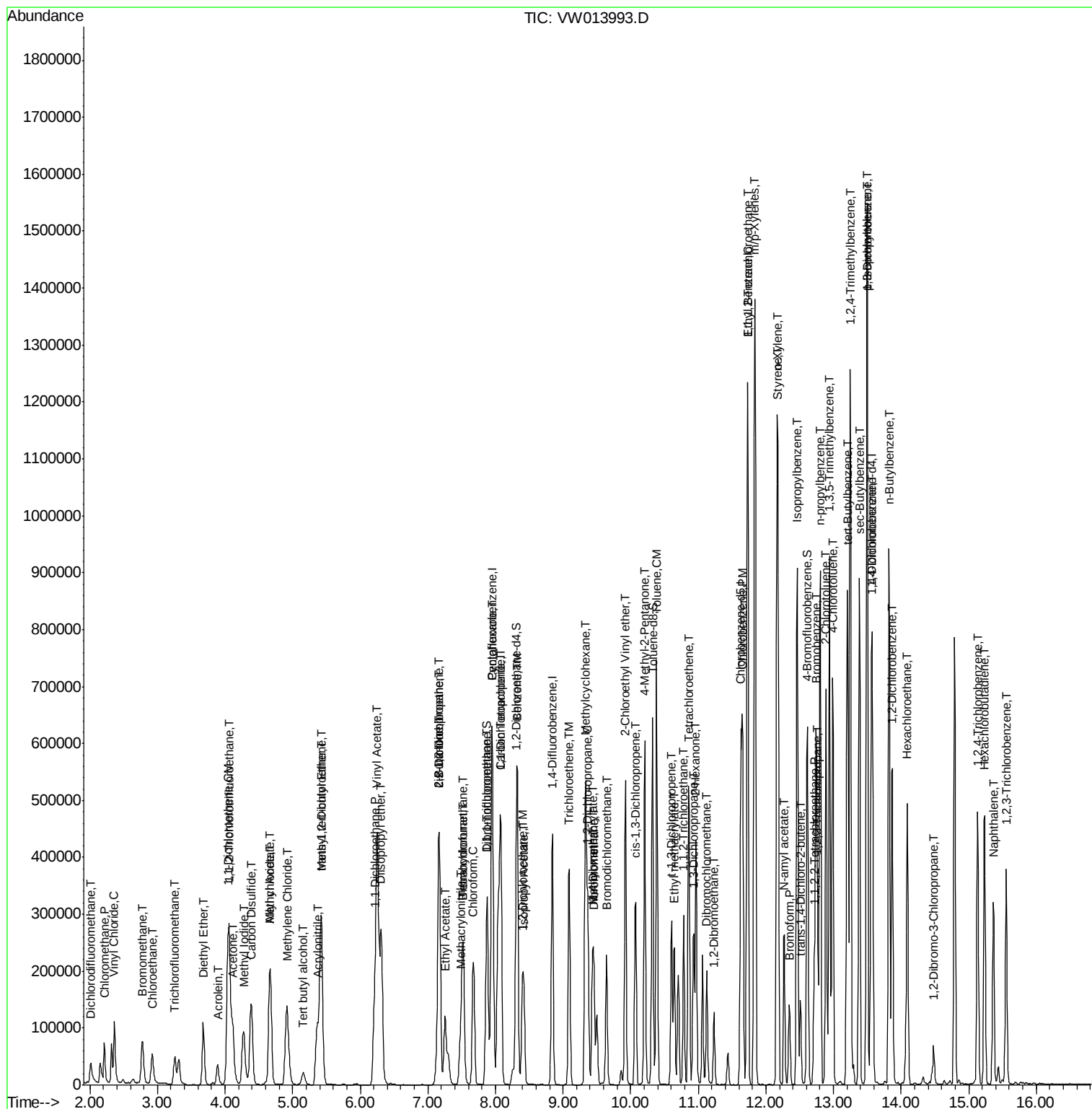
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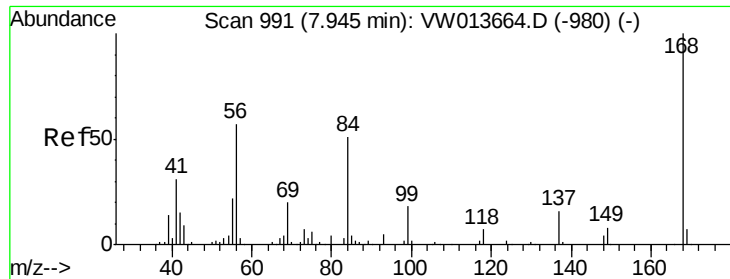
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Quant Title : SW846 8260

QLast Update : Wed Oct 23 14:11:46 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

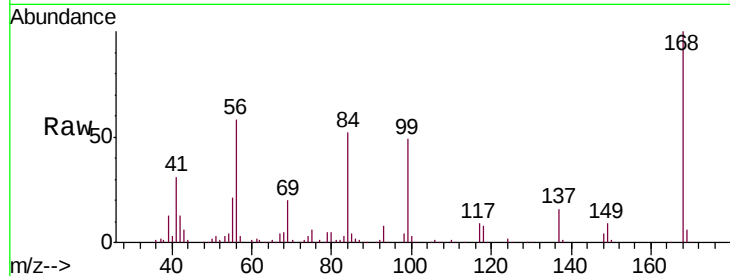
VSTDCCC050EC

Tgt Ion:168 Resp: 266661

Ion Ratio Lower Upper

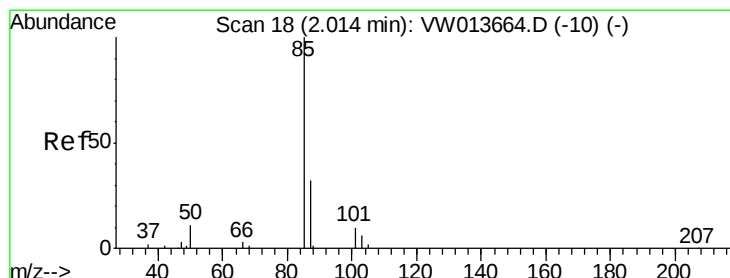
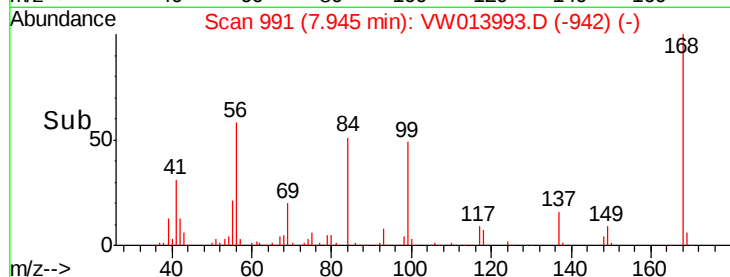
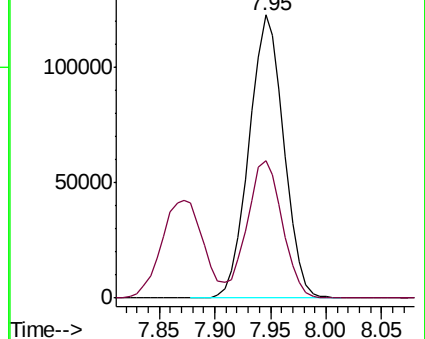
168 100

99 48.6 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.378 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013993.D

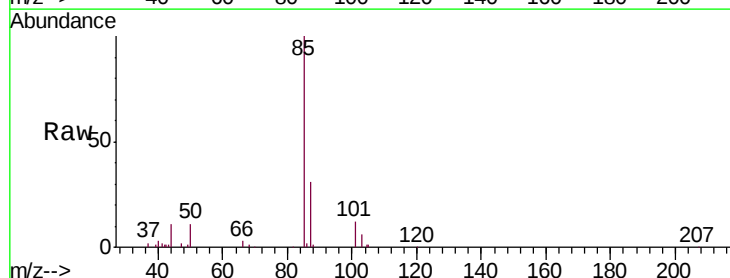
Acq: 12 Nov 2019 22:59

Tgt Ion: 85 Resp: 60939

Ion Ratio Lower Upper

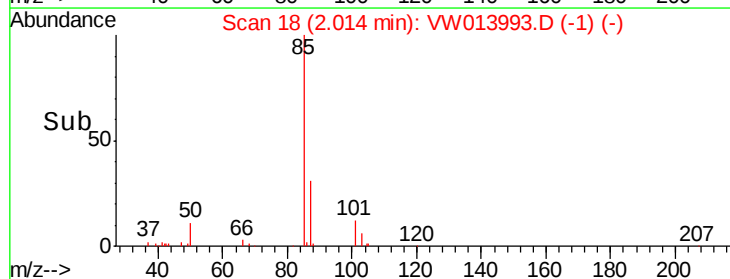
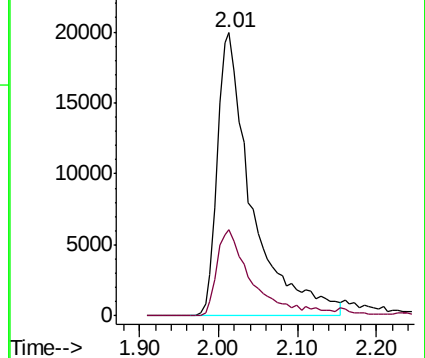
85 100

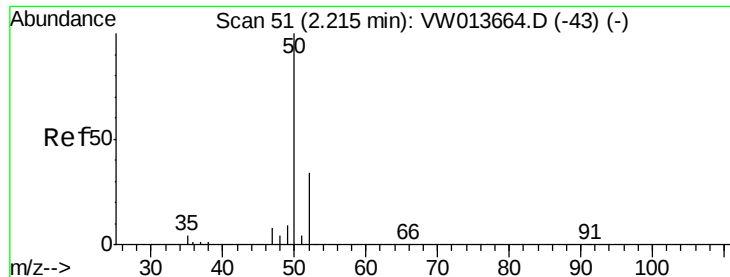
87 30.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 40.235 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

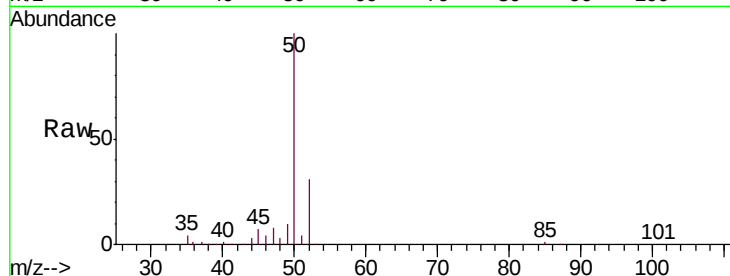
VSTDCCC050EC

Tgt Ion: 50 Resp: 60747

Ion Ratio Lower Upper

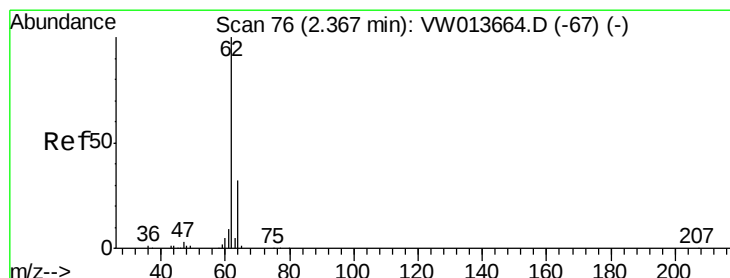
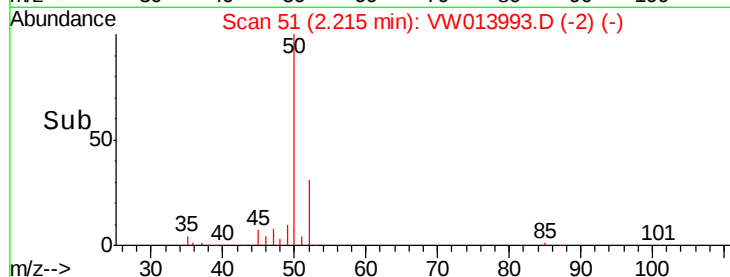
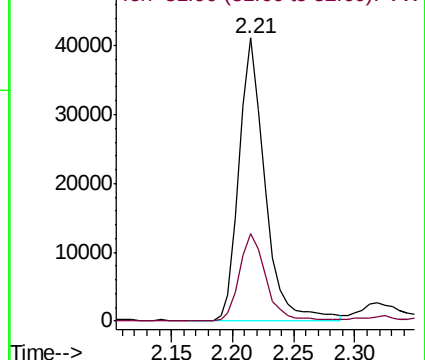
50 100

52 30.8 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 49.937 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013993.D

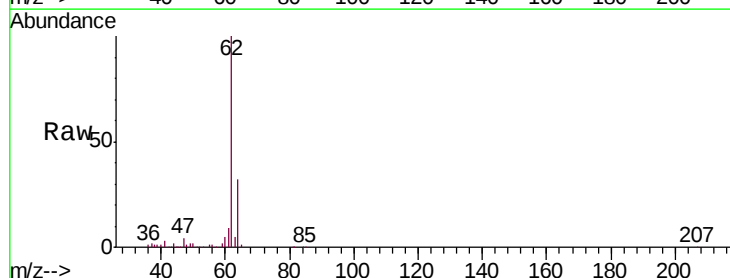
Acq: 12 Nov 2019 22:59

Tgt Ion: 62 Resp: 113861

Ion Ratio Lower Upper

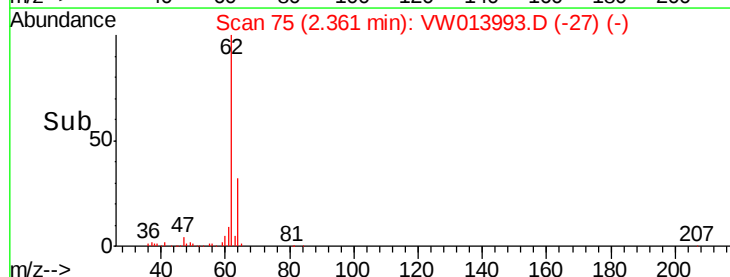
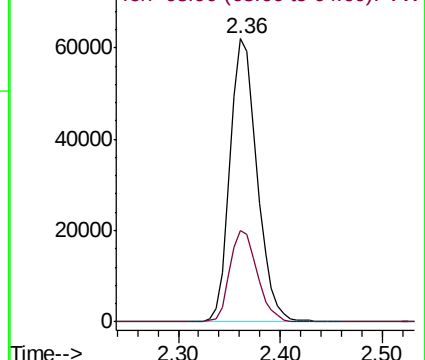
62 100

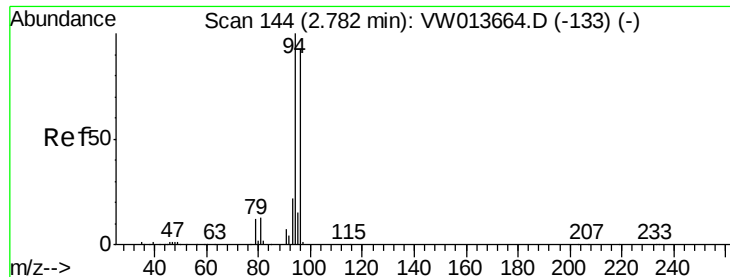
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 48.203 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

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Acq: 12 Nov 2019 22:59

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ClientSampleId :

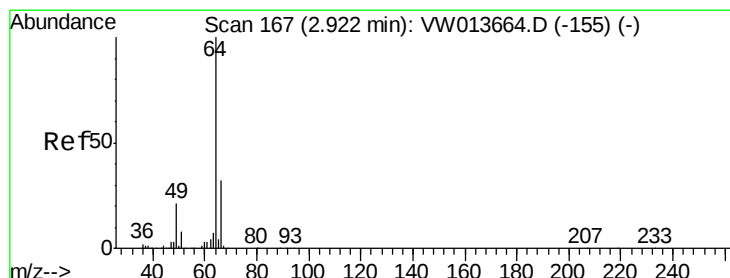
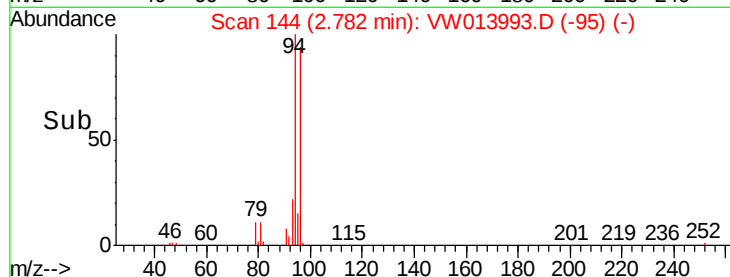
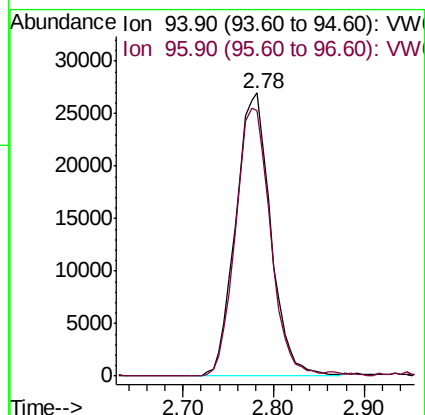
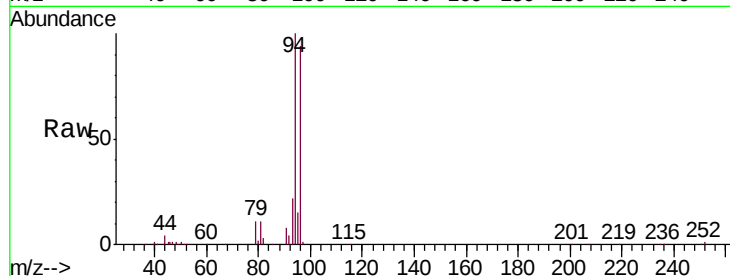
VSTDCCC050EC

Tgt Ion: 94 Resp: 72284

Ion Ratio Lower Upper

94 100

96 93.7 74.6 112.0



#6

Chloroethane

Concen: 51.218 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013993.D

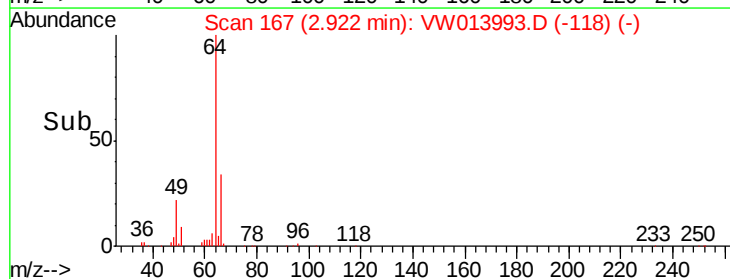
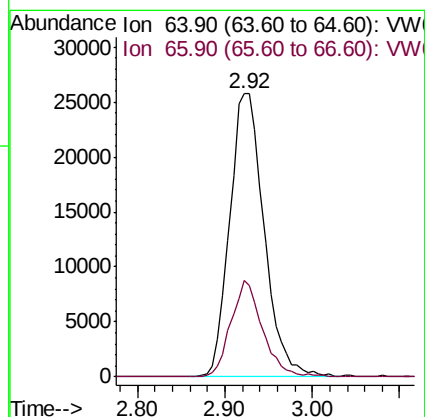
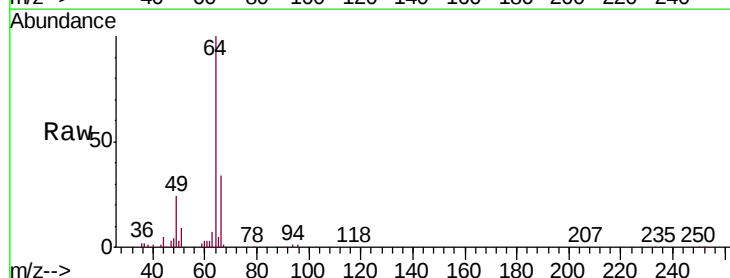
Acq: 12 Nov 2019 22:59

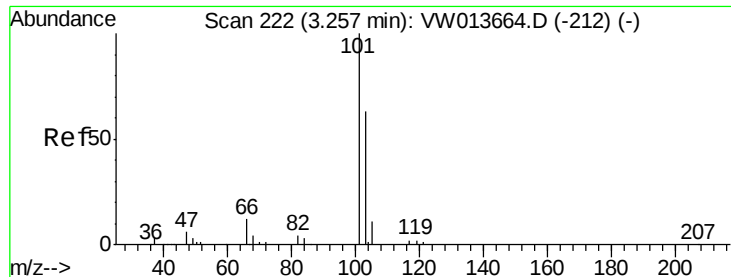
Tgt Ion: 64 Resp: 70664

Ion Ratio Lower Upper

64 100

66 34.1 25.4 38.0



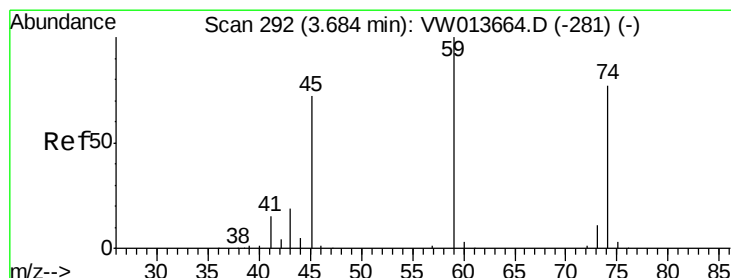
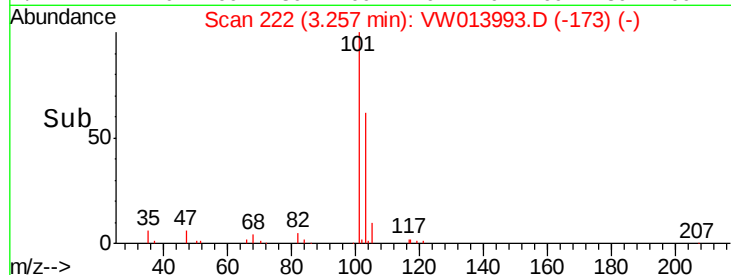
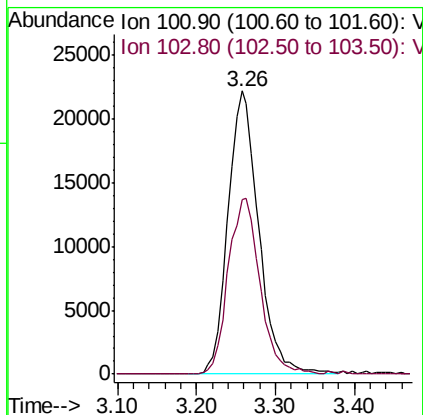
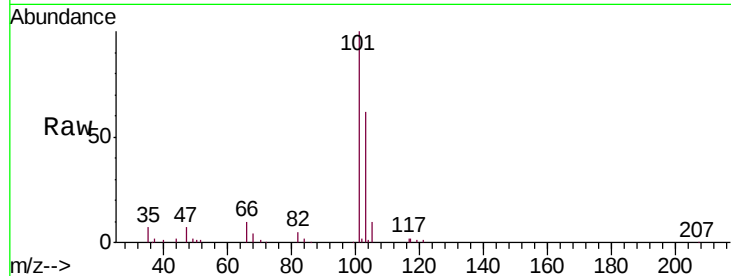


#7

Trichlorofluoromethane
 Concen: 42.273 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013993.D
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 VSTDCCC050EC

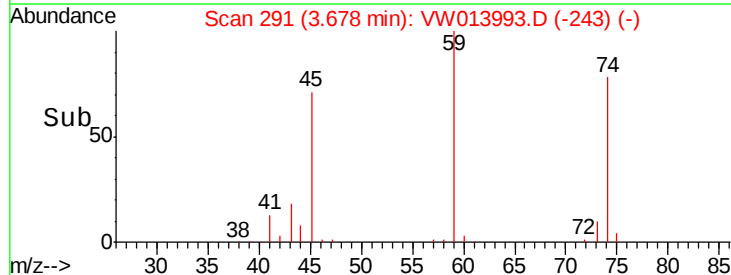
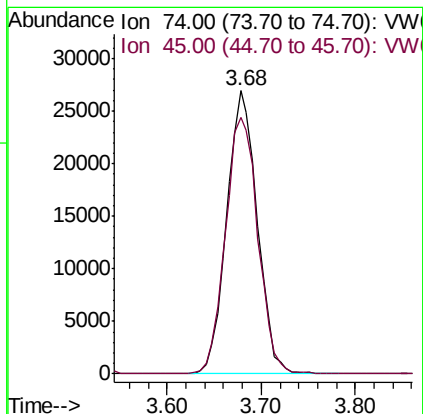
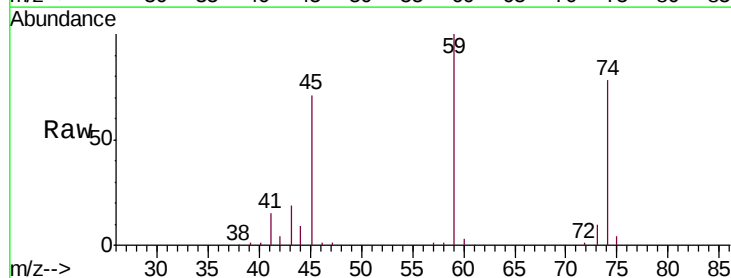
Tgt Ion: 101 Resp: 60204
 Ion Ratio Lower Upper
 101 100
 103 61.6 50.6 76.0

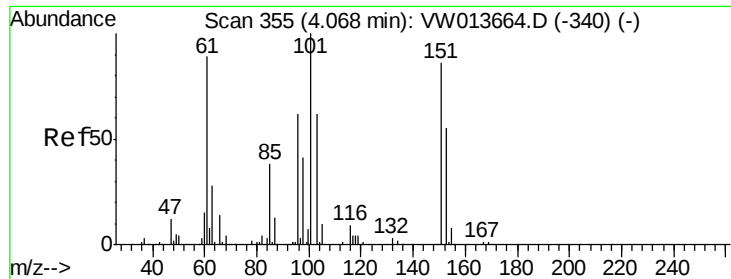


#8

Diethyl Ether
 Concen: 52.774 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion: 74 Resp: 60723
 Ion Ratio Lower Upper
 74 100
 45 96.3 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.435 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013993.D

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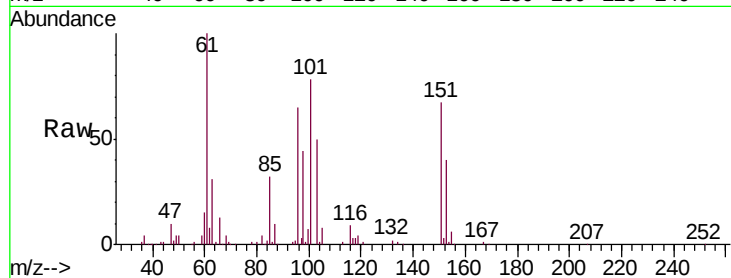
Tgt Ion:101 Resp: 119084

Ion Ratio Lower Upper

101 100

85 40.5 31.0 46.6

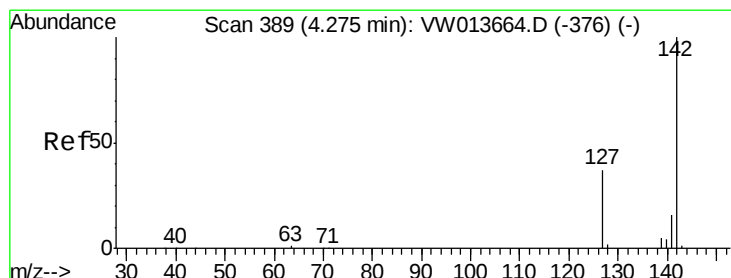
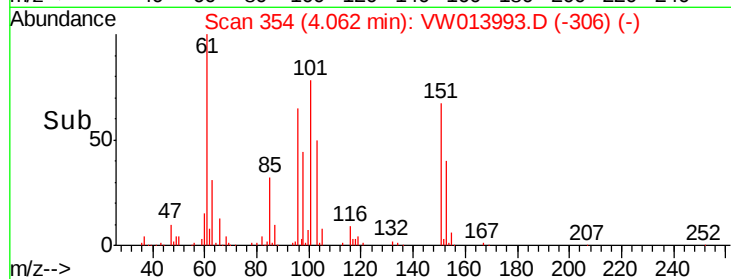
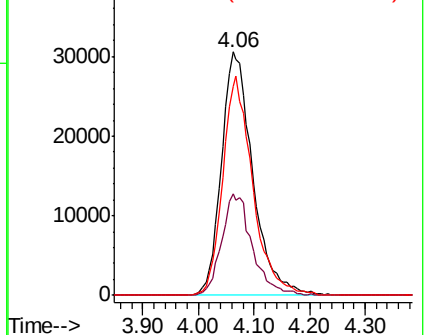
151 86.6 68.2 102.4



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: 51.220 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

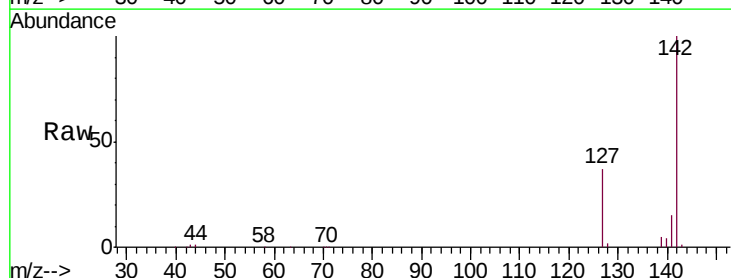
Tgt Ion:142 Resp: 193242

Ion Ratio Lower Upper

142 100

127 38.4 30.3 45.5

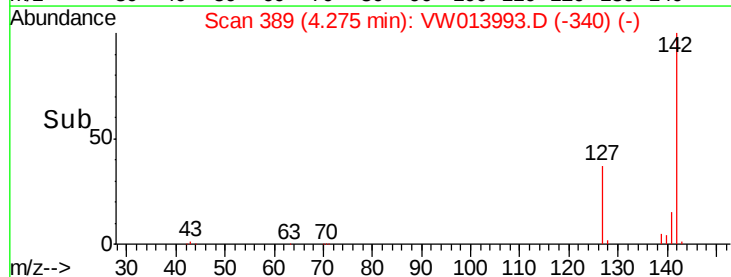
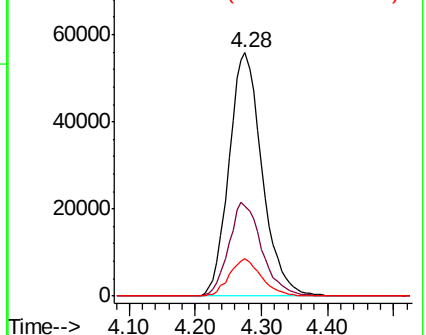
141 14.8 11.8 17.8

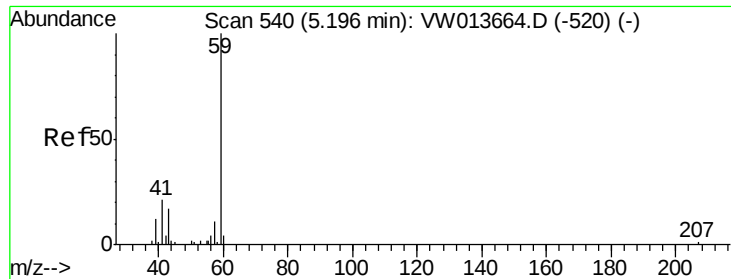


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 341.252 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.04 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

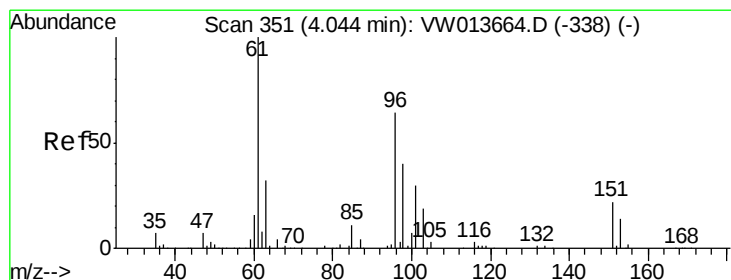
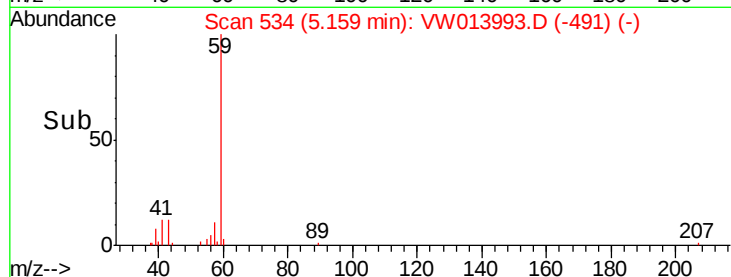
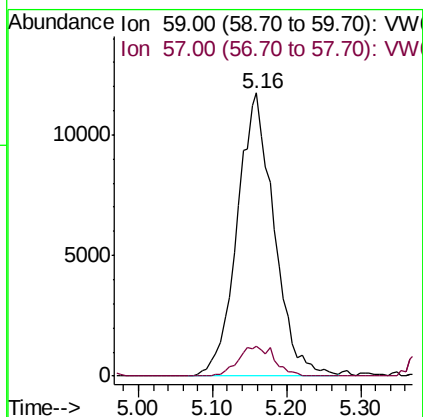
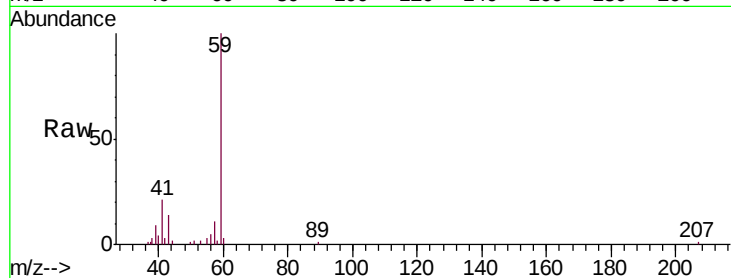
VSTDCCC050EC

Tgt Ion: 59 Resp: 40752

Ion Ratio Lower Upper

59 100

57 10.4 8.8 13.2



#12

1,1-Dichloroethene

Concen: 52.519 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

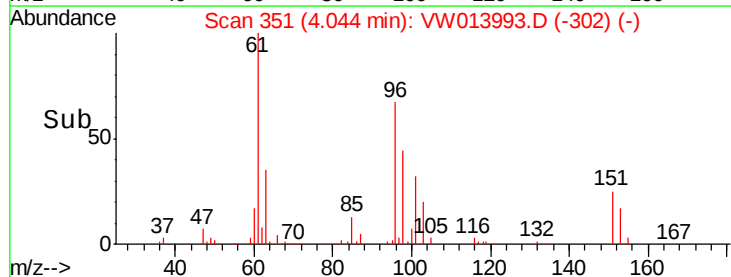
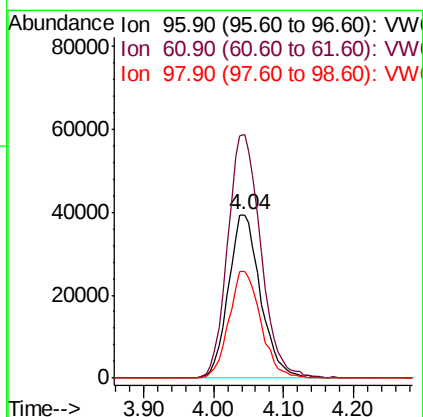
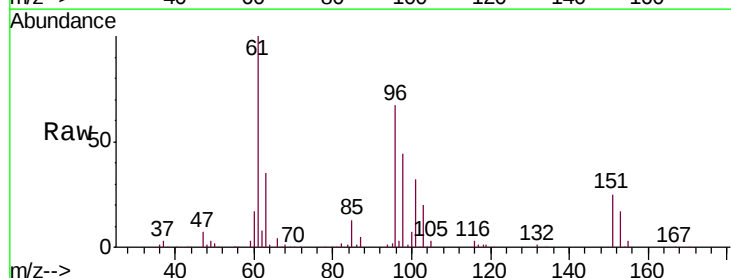
Tgt Ion: 96 Resp: 125601

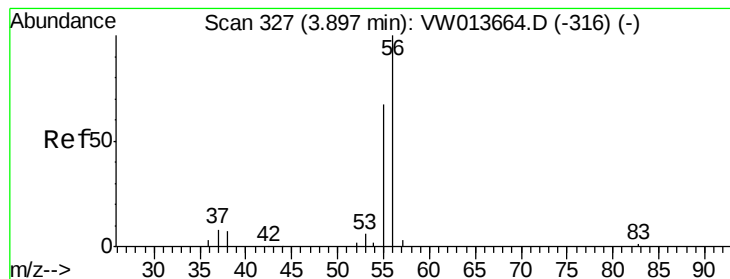
Ion Ratio Lower Upper

96 100

61 149.4 125.0 187.6

98 65.6 50.3 75.5





#13

Acrolein

Concen: 323.680 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

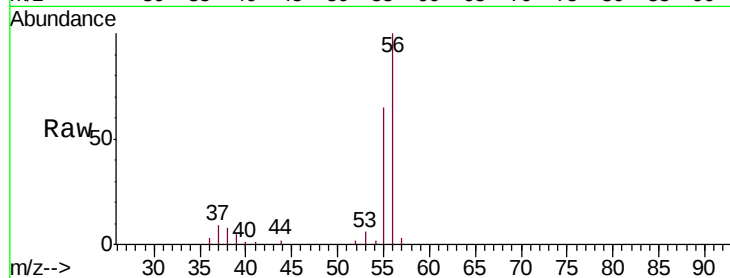
VSTDCCC050EC

Tgt Ion: 56 Resp: 44284

Ion Ratio Lower Upper

56 100

55 68.5 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

20000

15000

10000

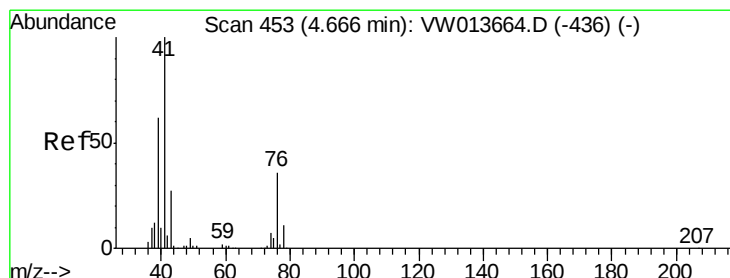
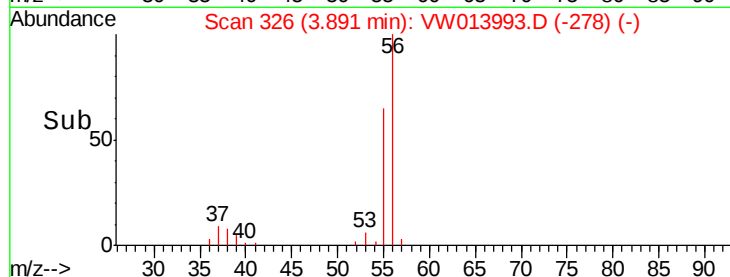
5000

0

3.89

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 51.030 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

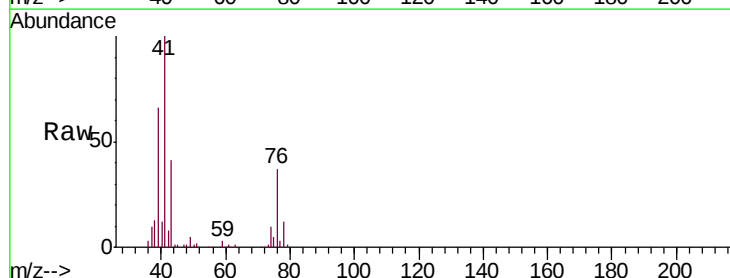
Tgt Ion: 41 Resp: 187657

Ion Ratio Lower Upper

41 100

39 62.2 50.0 75.0

76 35.8 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

100000

80000

60000

40000

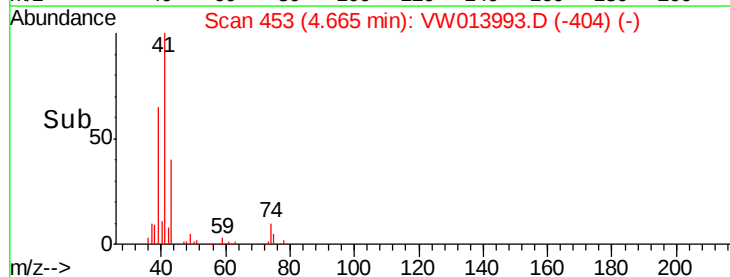
20000

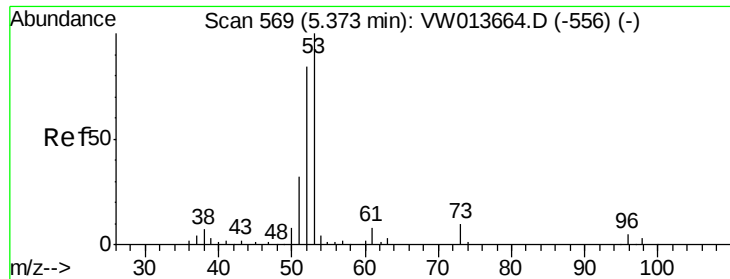
0

4.67

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 284.575 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

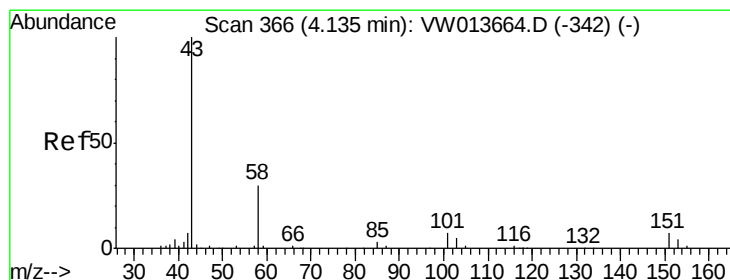
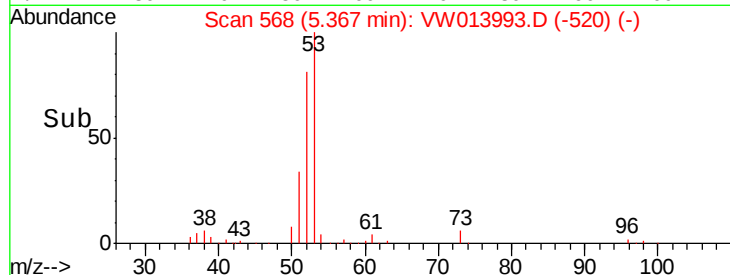
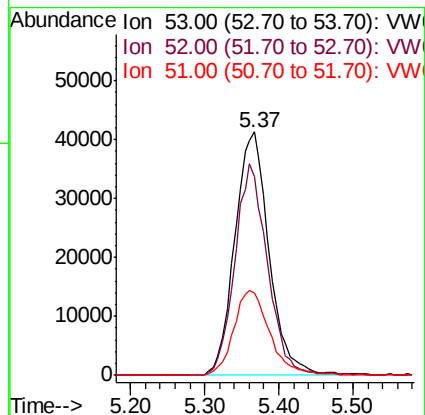
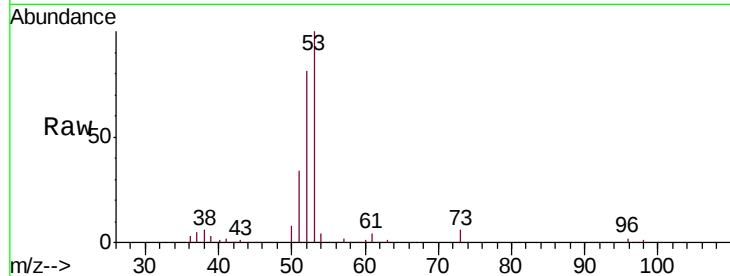
Tgt Ion: 53 Resp: 133143

Ion Ratio Lower Upper

53 100

52 82.8 67.4 101.0

51 36.5 29.1 43.7



#16

Acetone

Concen: 276.296 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013993.D

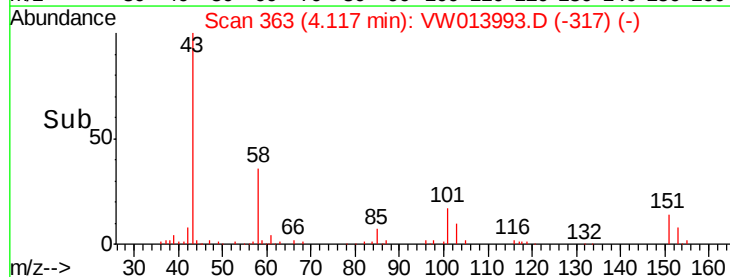
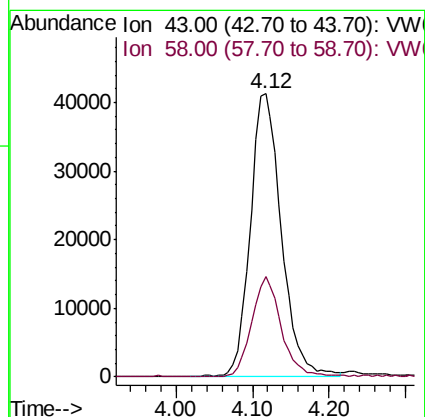
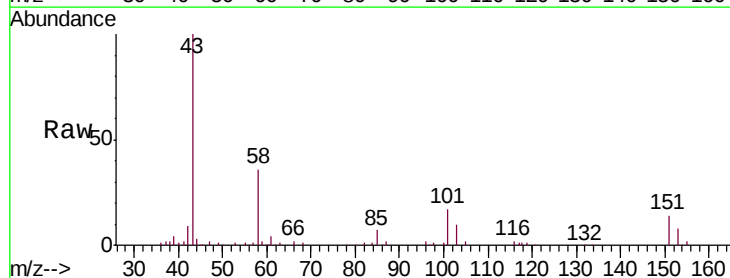
Acq: 12 Nov 2019 22:59

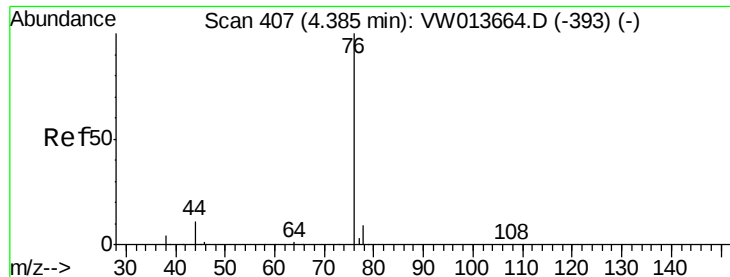
Tgt Ion: 43 Resp: 117190

Ion Ratio Lower Upper

43 100

58 35.4 24.1 36.1

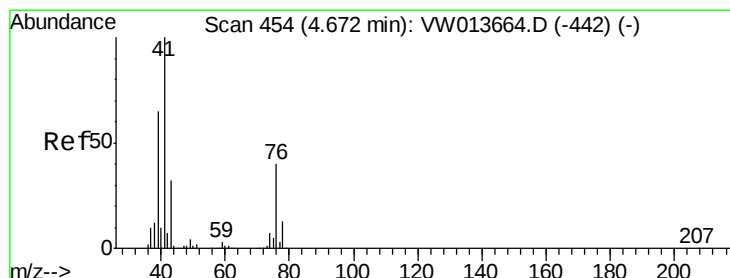
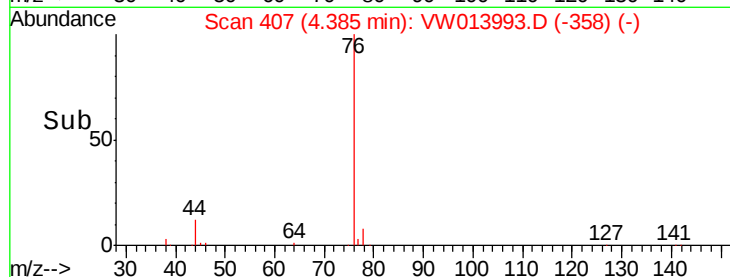
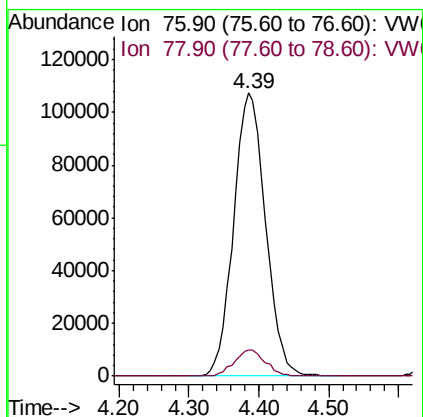
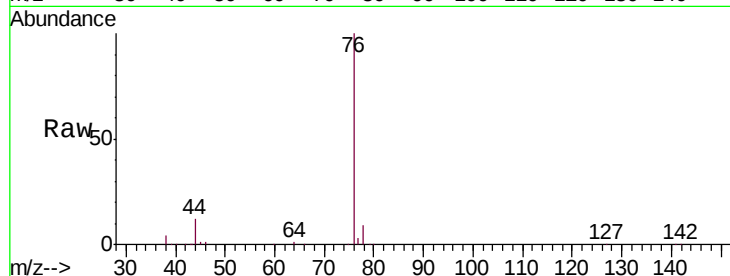




#17
Carbon Disulfide
Concen: 49.479 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

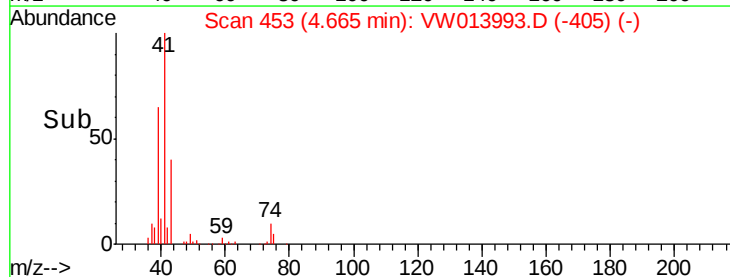
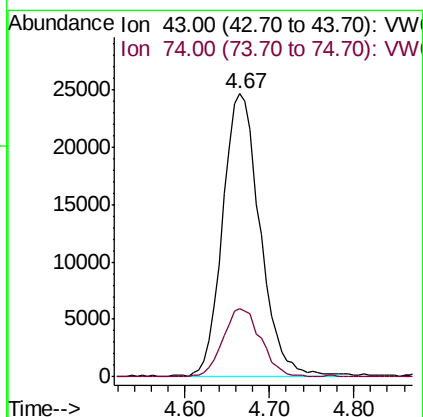
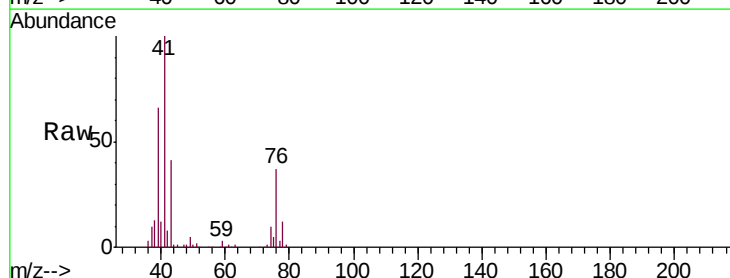
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

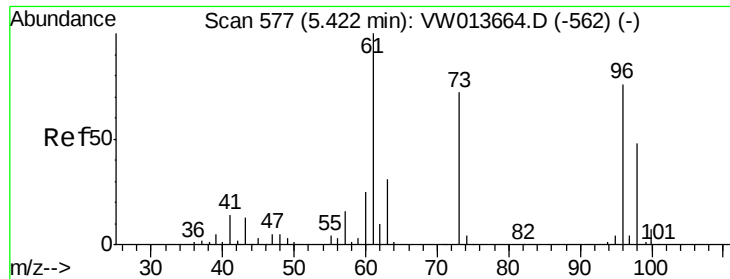
Tgt Ion: 76 Resp: 339835
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 63.523 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion: 43 Resp: 73857
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8

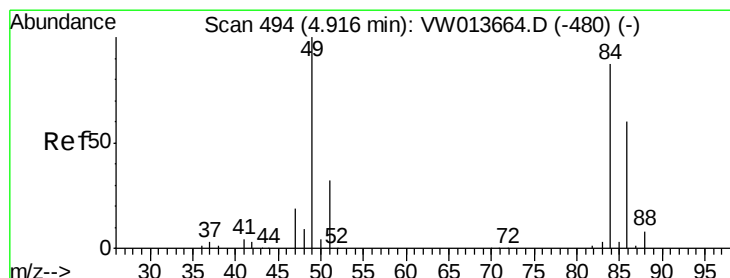
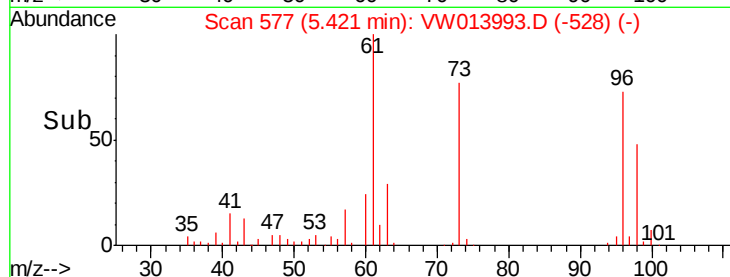
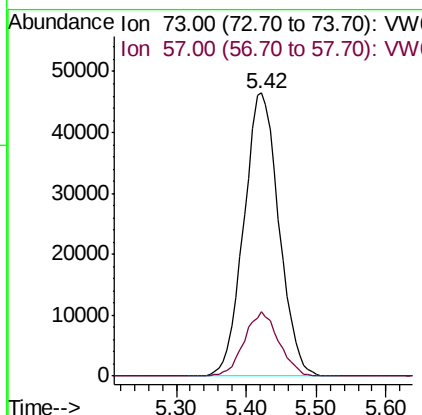
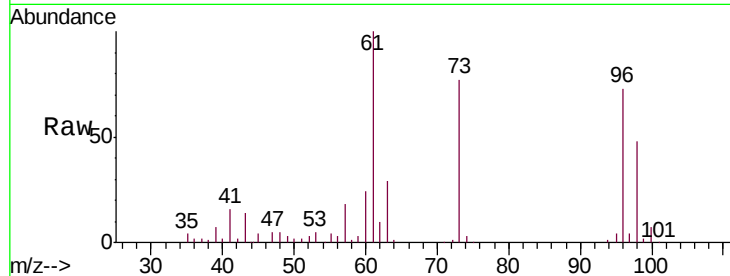




#19
Methyl tert-butyl Ether
Concen: 56.333 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

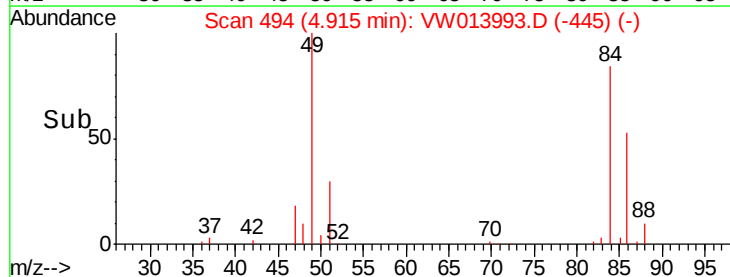
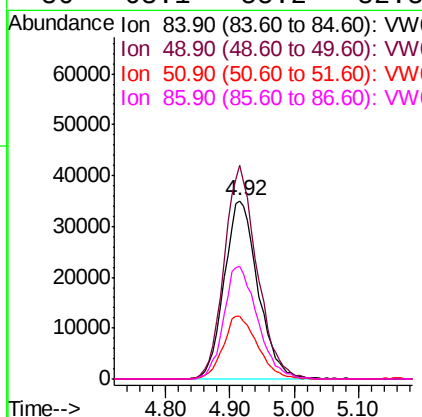
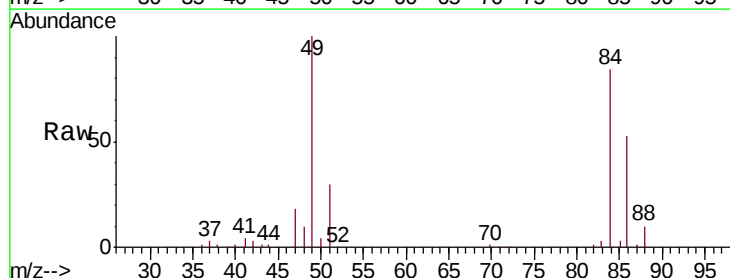
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

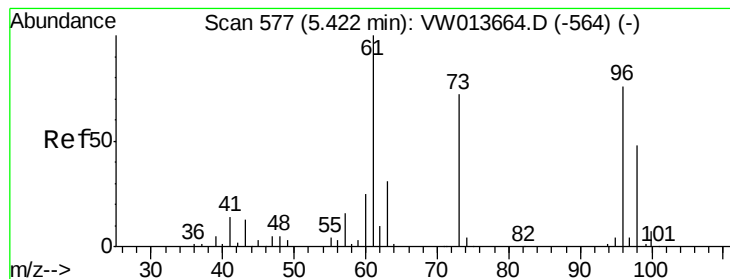
Tgt Ion: 73 Resp: 161670
Ion Ratio Lower Upper
73 100
57 22.8 17.6 26.4



#20
Methylene Chloride
Concen: 55.741 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion: 84 Resp: 128806
Ion Ratio Lower Upper
84 100
49 119.3 91.8 137.6
51 35.3 29.8 44.6
86 63.1 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 50.610 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

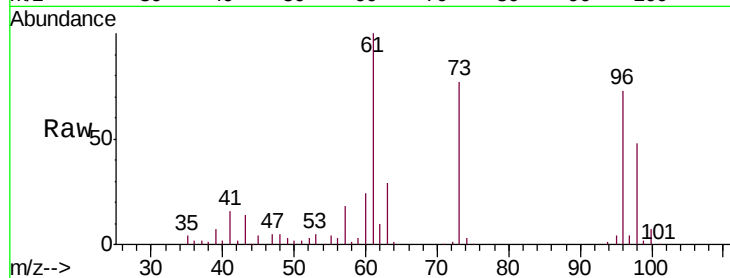
Tgt Ion: 96 Resp: 130271

Ion Ratio Lower Upper

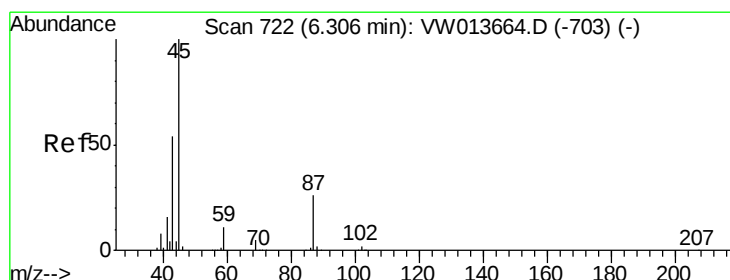
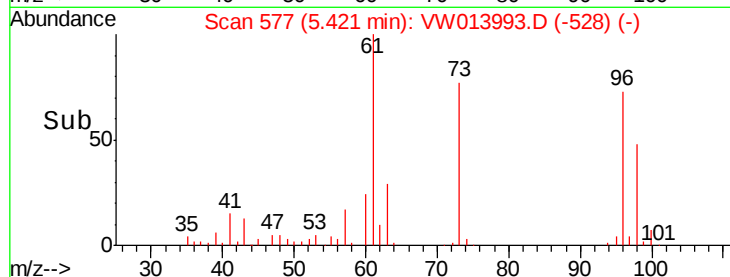
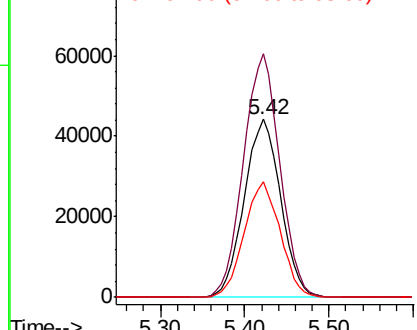
96 100

61 137.0 104.8 157.2

98 65.1 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: 53.677 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion: 45 Resp: 360063

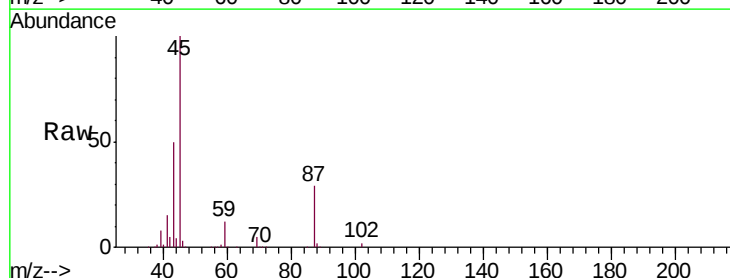
Ion Ratio Lower Upper

45 100

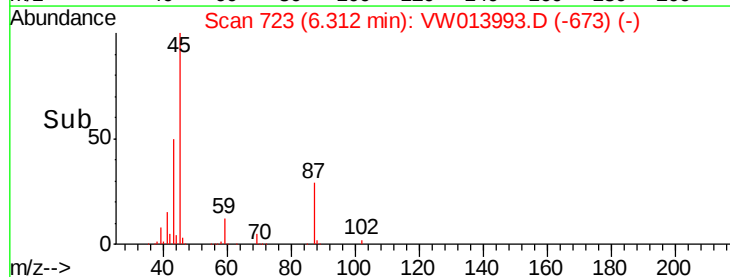
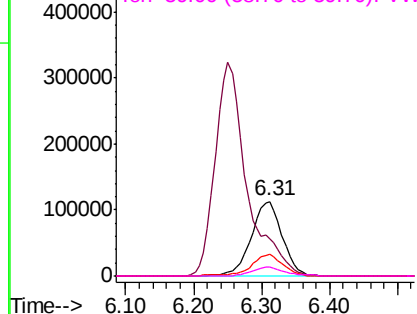
43 49.6 43.4 65.2

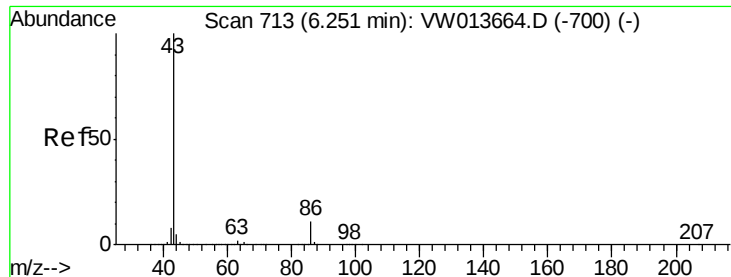
87 28.9 21.5 32.3

59 12.0 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

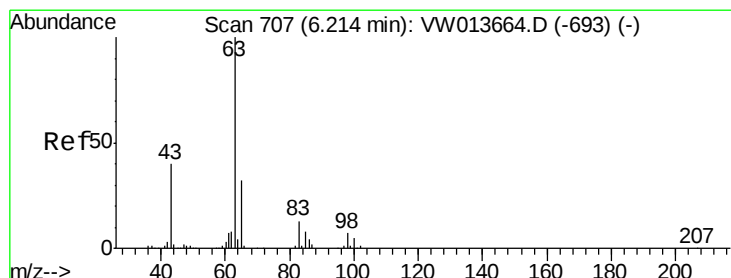
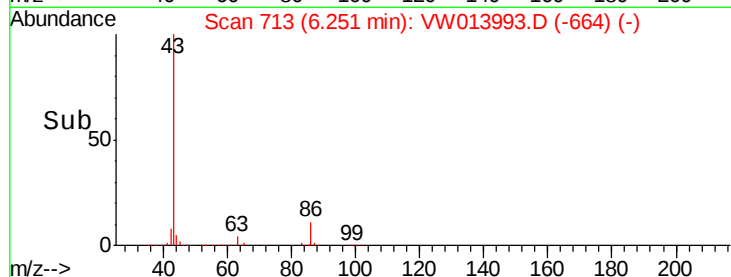
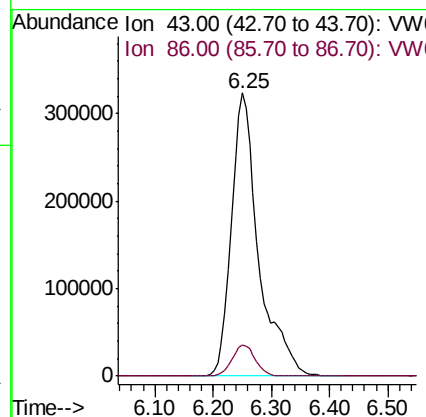
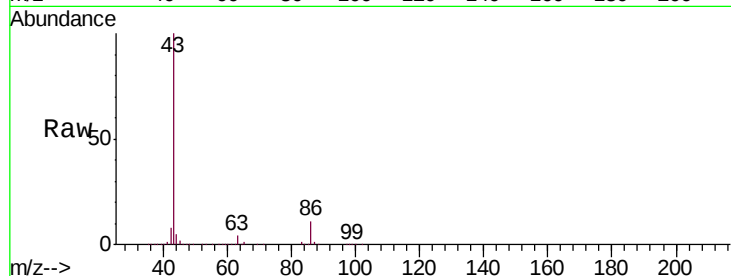




#23
 Vinyl Acetate
 Concen: 270.750 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

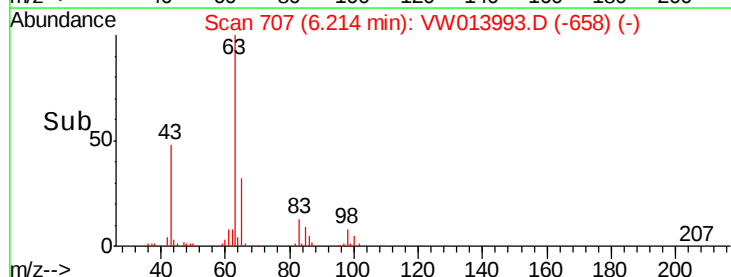
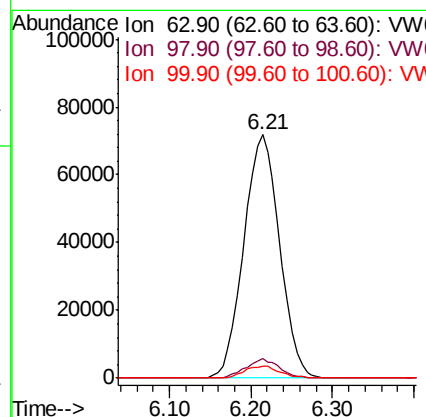
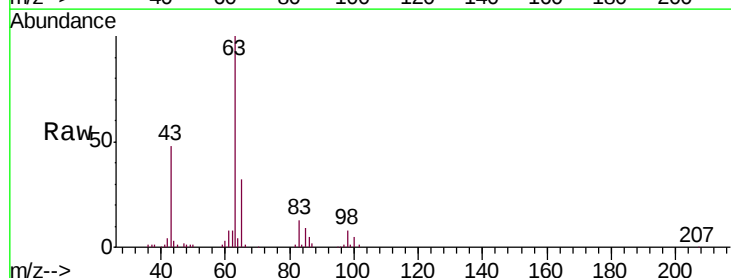
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

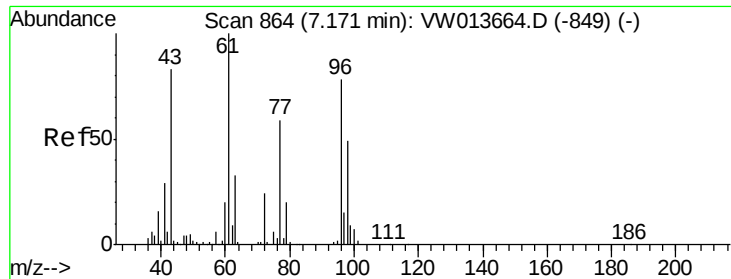
Tgt Ion: 43 Resp: 1053818
 Ion Ratio Lower Upper
 43 100
 86 10.8 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 51.548 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion: 63 Resp: 218992
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.6 10.9
 100 5.0 2.5 7.4





#25

2-Butanone

Concen: 296.962 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

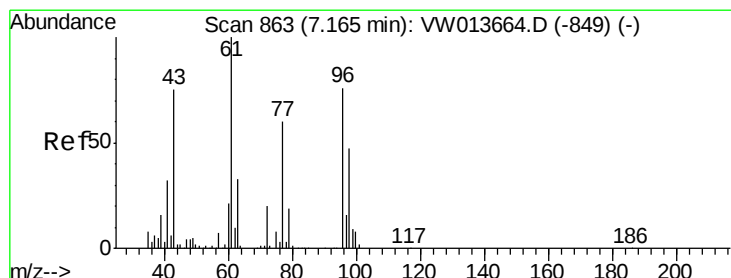
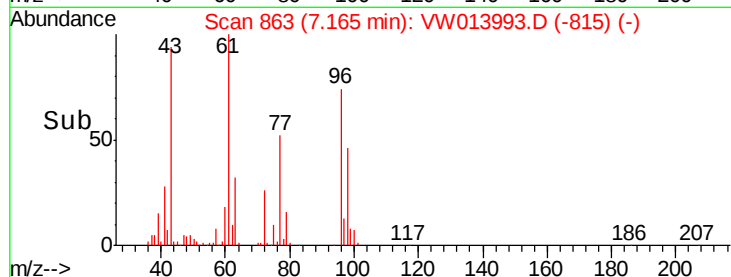
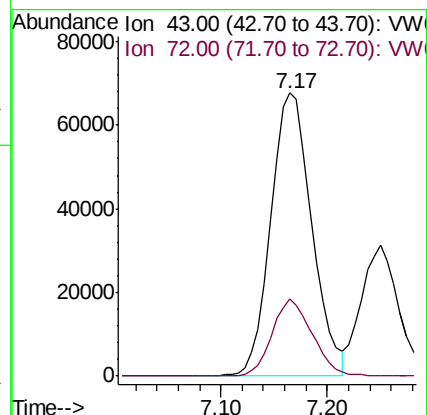
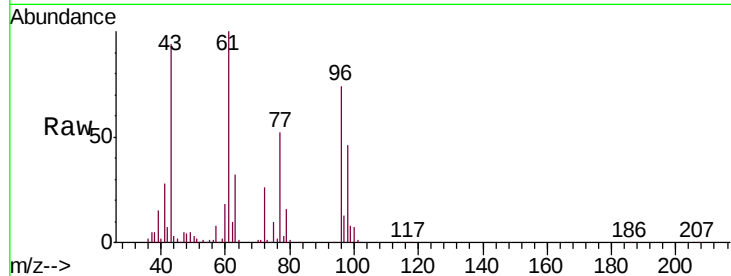
VSTDCCC050EC

Tgt Ion: 43 Resp: 181085

Ion Ratio Lower Upper

43 100

72 27.5 23.6 35.4



#26

2,2-Dichloropropane

Concen: 44.743 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013993.D

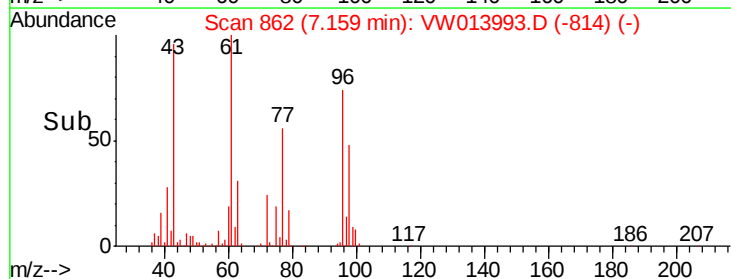
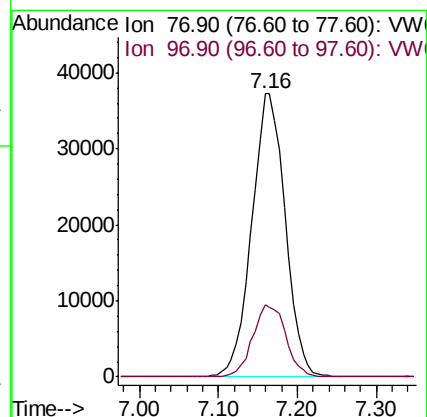
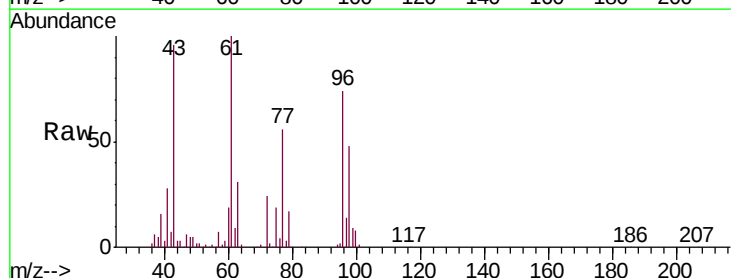
Acq: 12 Nov 2019 22:59

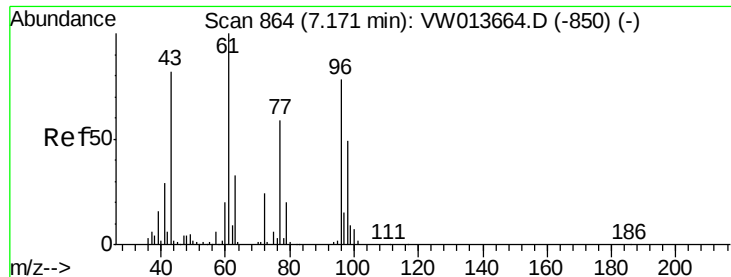
Tgt Ion: 77 Resp: 109915

Ion Ratio Lower Upper

77 100

97 25.2 12.8 38.4



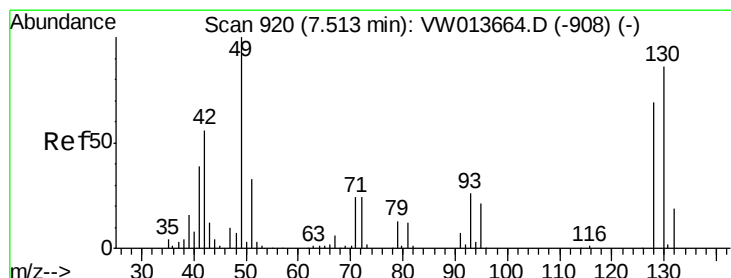
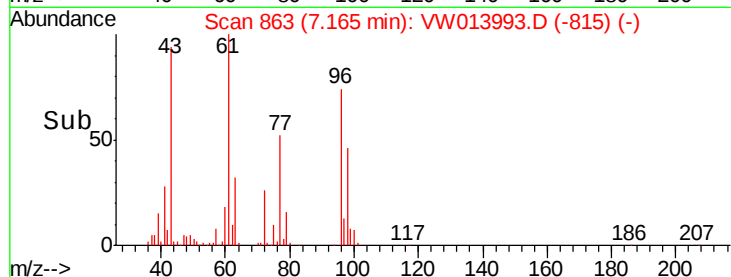
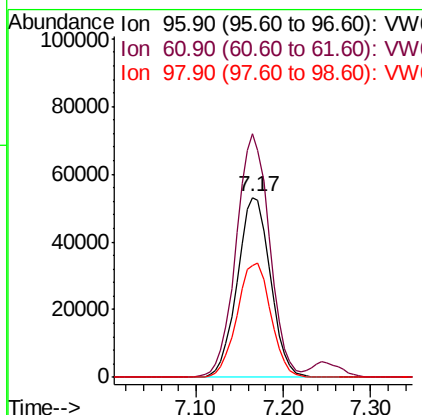
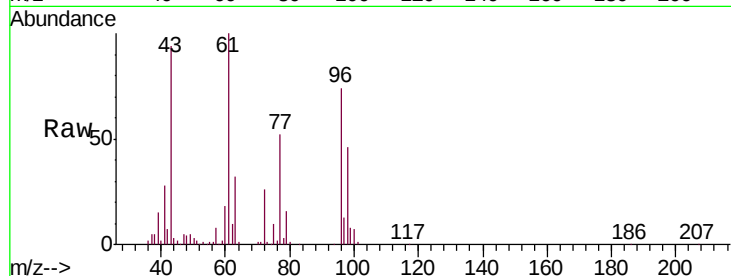


#27

cis-1,2-Dichloroethene
Concen: 51.142 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

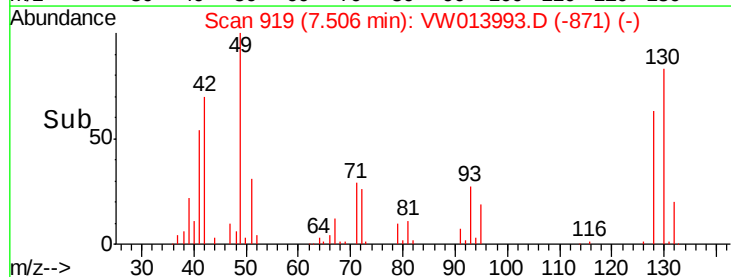
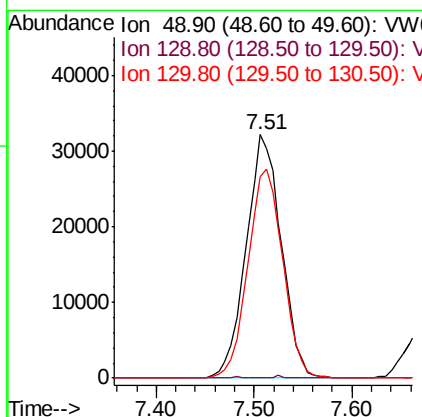
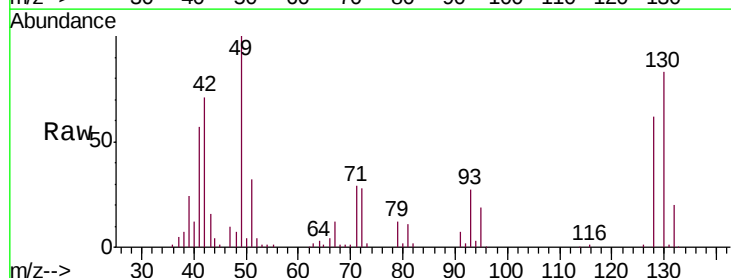
Tgt Ion: 96 Resp: 139822
Ion Ratio Lower Upper
96 100
61 136.7 0.0 266.0
98 64.9 0.0 126.8

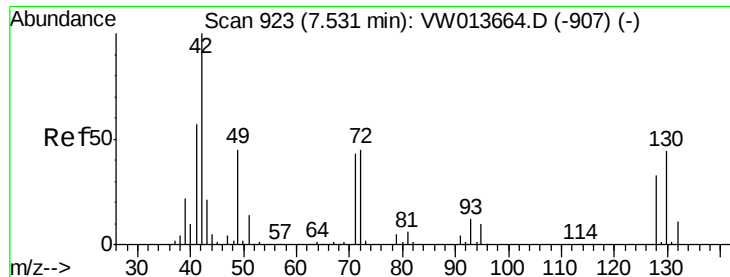


#28

Bromochloromethane
Concen: 52.781 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion: 49 Resp: 80005
Ion Ratio Lower Upper
49 100
129 0.2 0.0 0.6
130 85.2 67.5 101.3

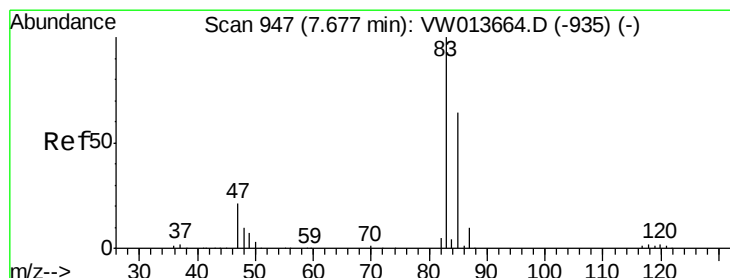
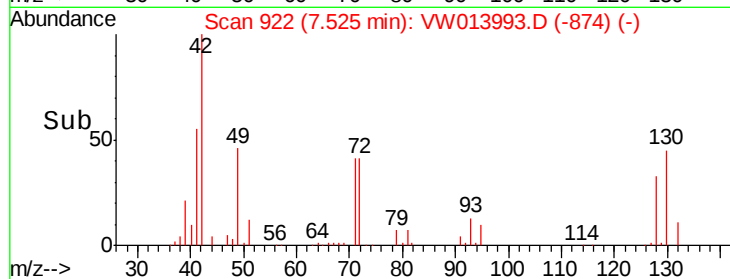
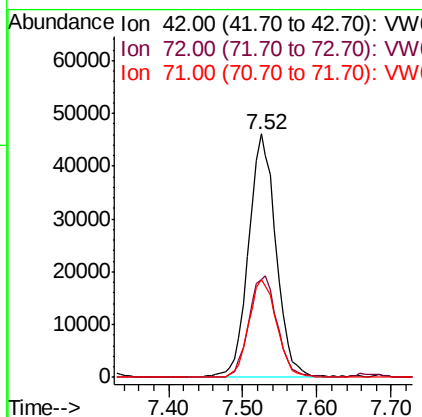
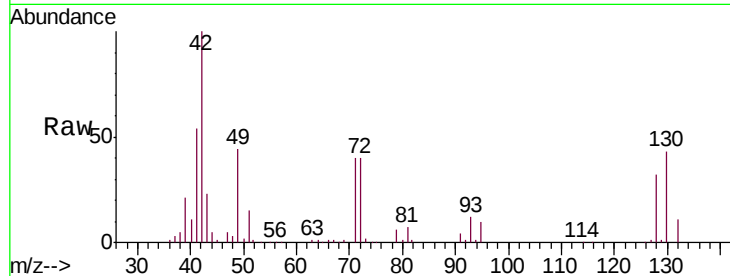




#29
Tetrahydrofuran
Concen: 316.531 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

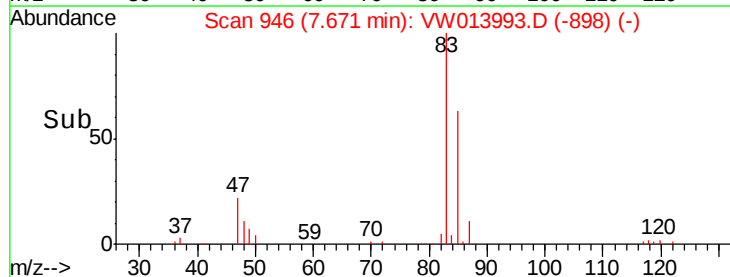
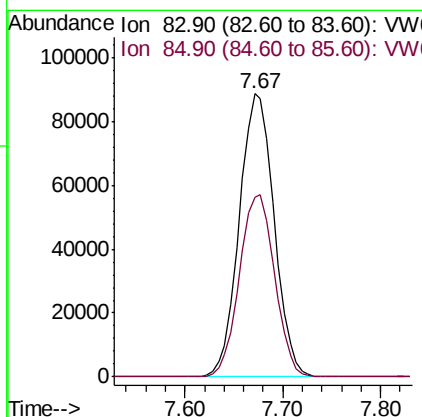
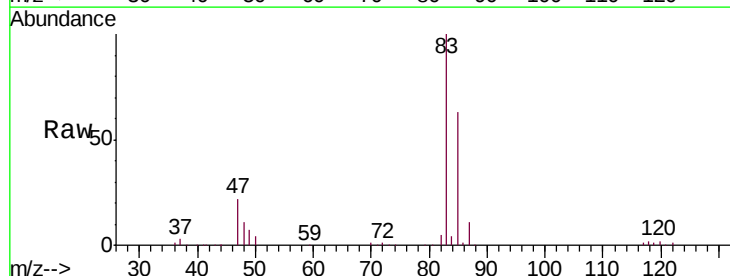
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

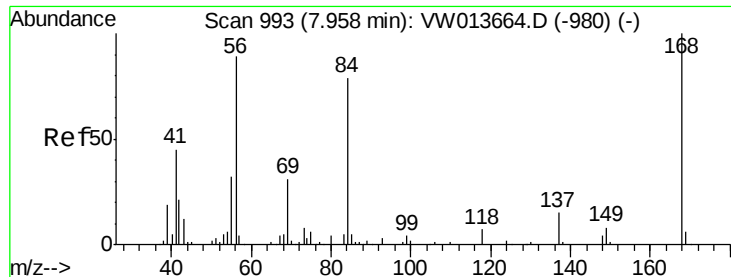
Tgt Ion: 42 Resp: 119498
Ion Ratio Lower Upper
42 100
72 42.9 35.3 52.9
71 40.8 33.3 49.9



#30
Chloroform
Concen: 52.137 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion: 83 Resp: 218955
Ion Ratio Lower Upper
83 100
85 63.3 51.4 77.2

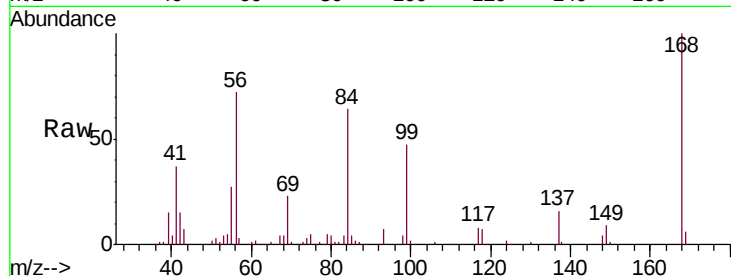




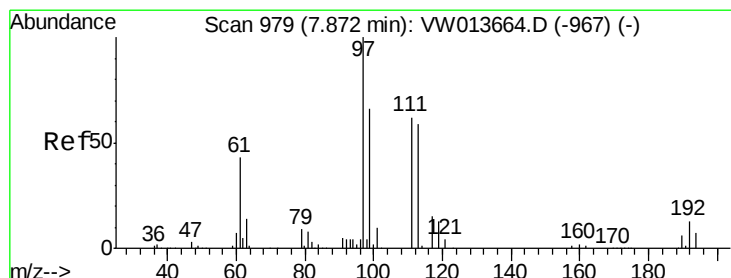
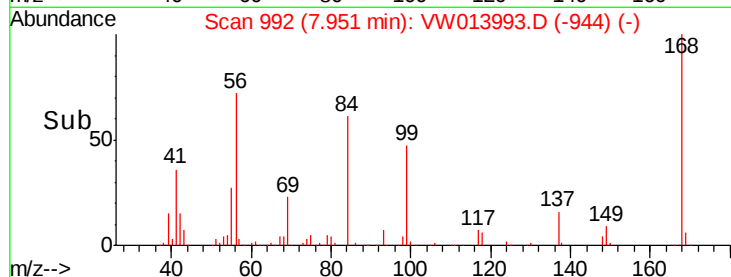
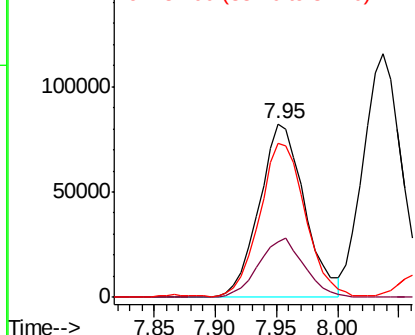
#31
Cyclohexane
Concen: 47.783 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 212436
Ion Ratio Lower Upper
56 100
69 31.9 27.5 41.3
84 87.4 70.8 106.2

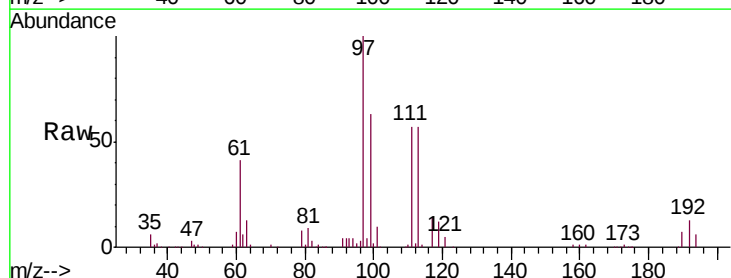


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

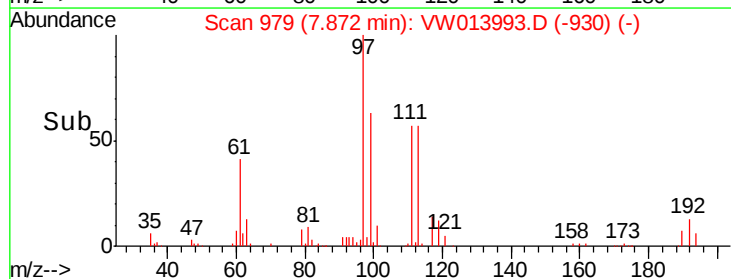
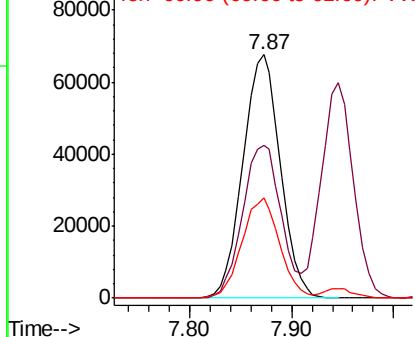


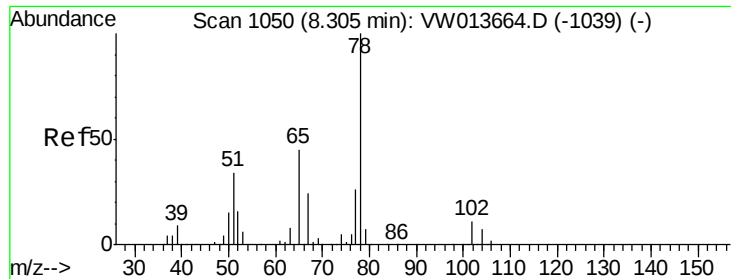
#32
1,1,1-Trichloroethane
Concen: 52.317 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion: 97 Resp: 172417
Ion Ratio Lower Upper
97 100
99 65.0 52.0 78.0
61 41.4 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

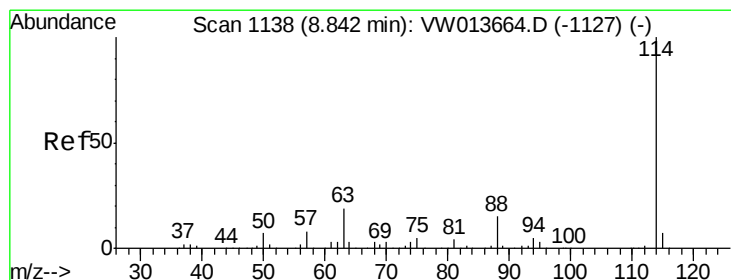
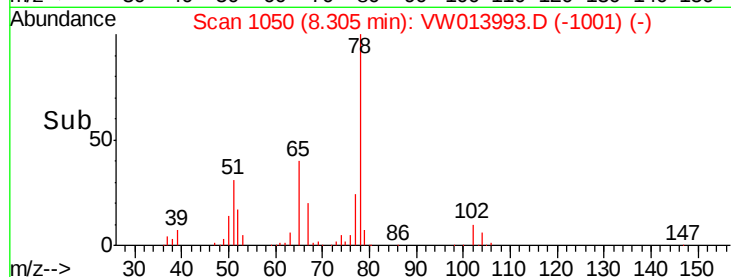
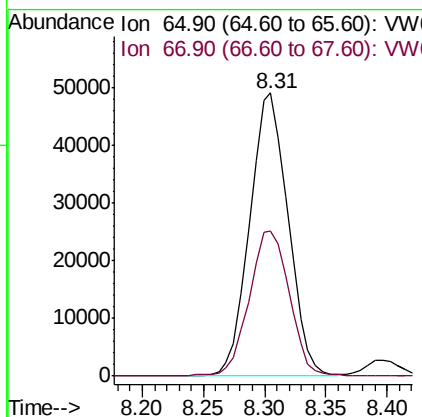
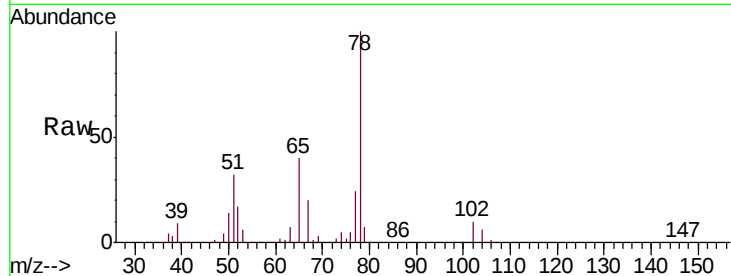




#33
 1,2-Dichloroethane-d4
 Concen: 53.788 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

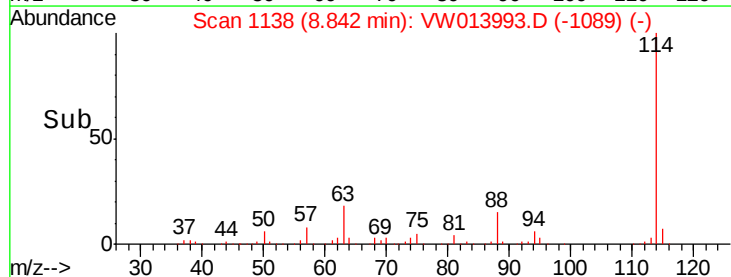
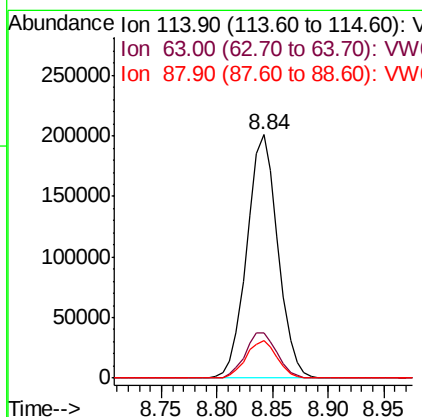
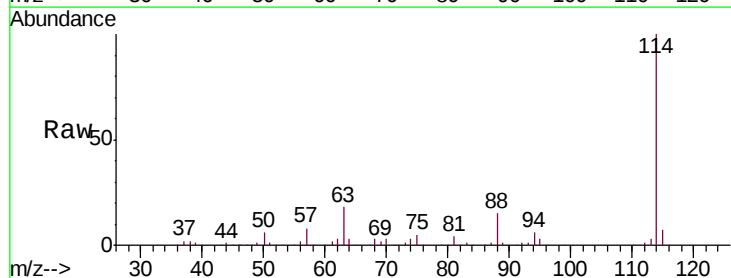
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

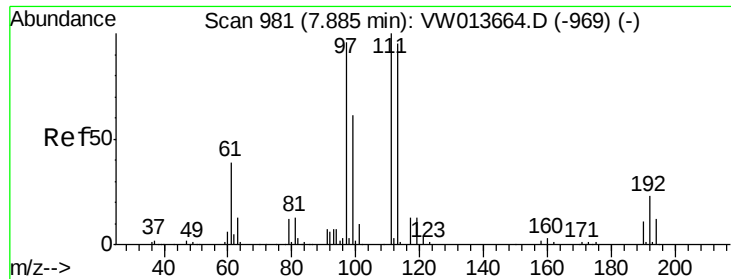
Tgt Ion: 65 Resp: 107597
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion: 114 Resp: 389708
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.6
 88 15.5 0.0 30.2

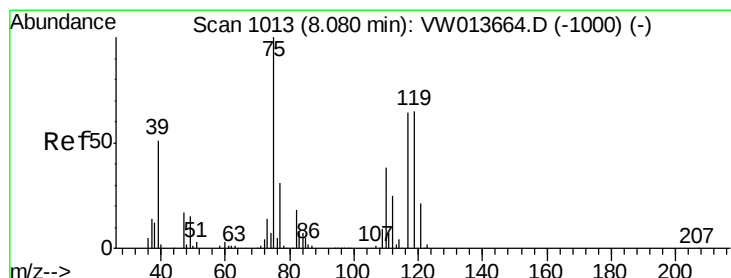
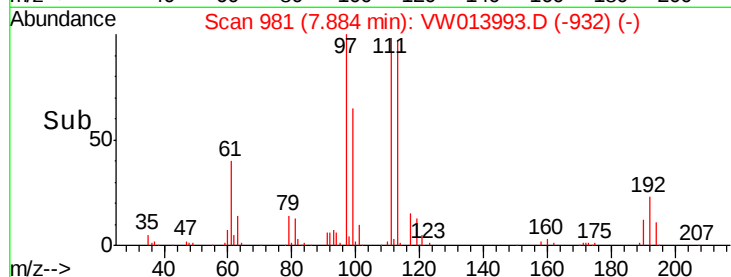
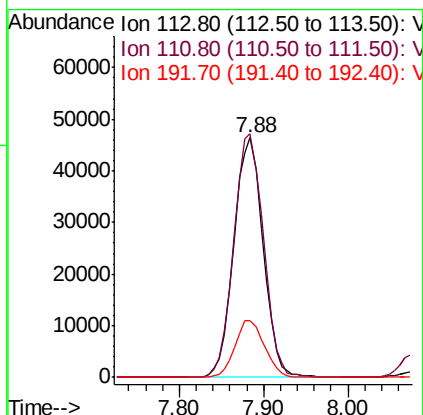
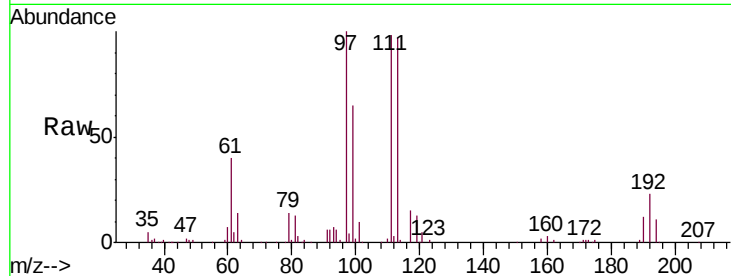




#35
 Dibromofluoromethane
 Concen: 50.101 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

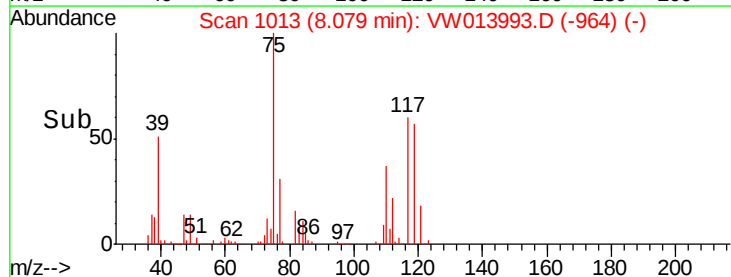
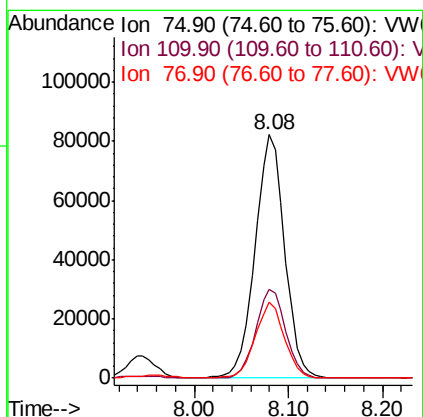
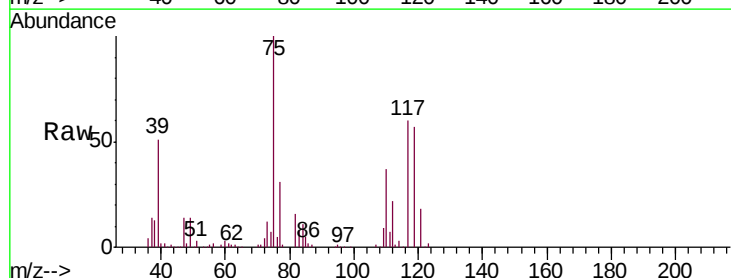
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

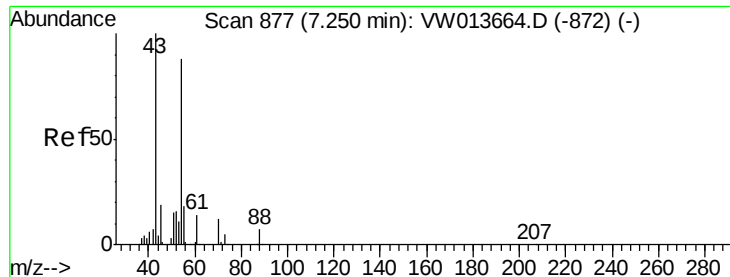
Tgt Ion: 113 Resp: 108491
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.0 124.6
 192 23.9 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 49.766 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion: 75 Resp: 180620
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.7 56.1
 77 30.9 25.4 38.0

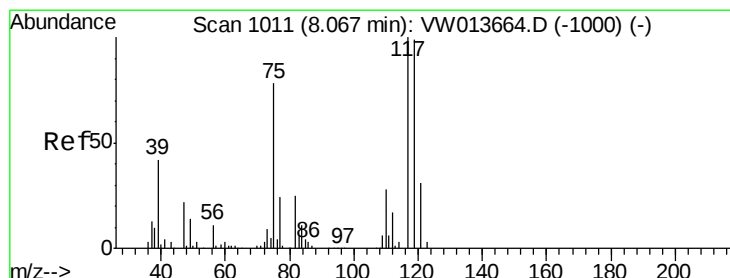
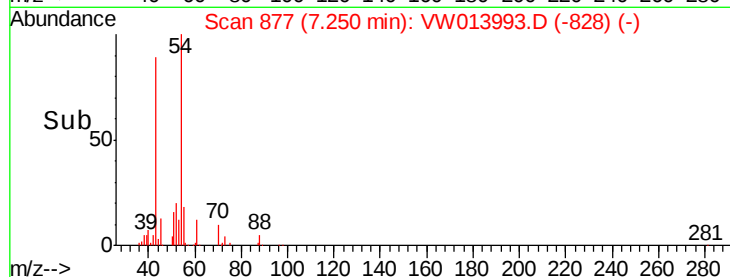
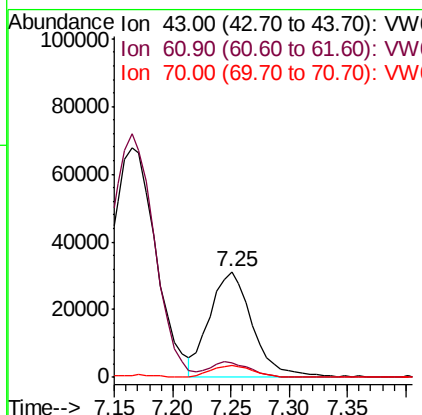
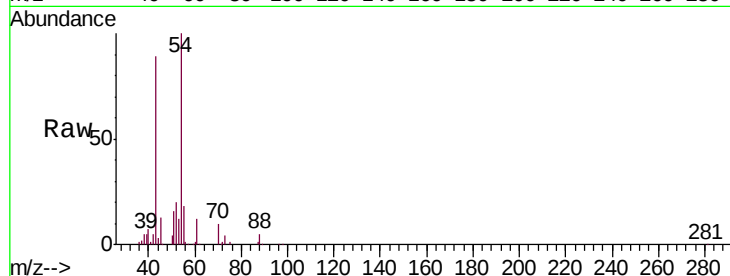




#37
 Ethyl Acetate
 Concen: 56.101 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

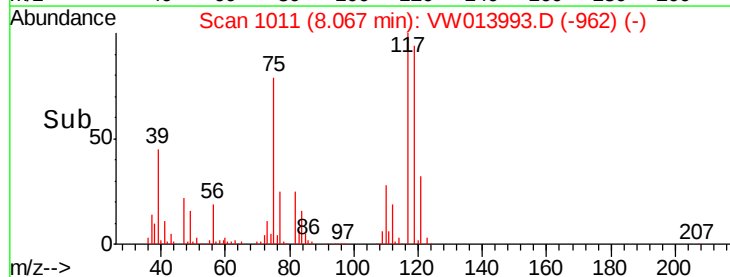
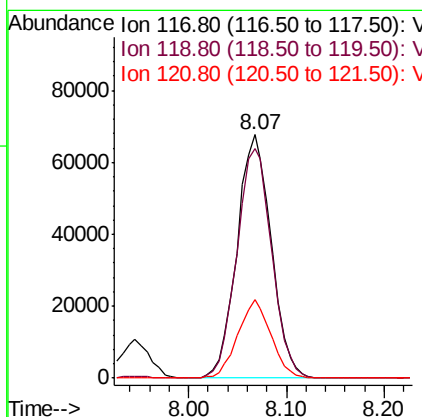
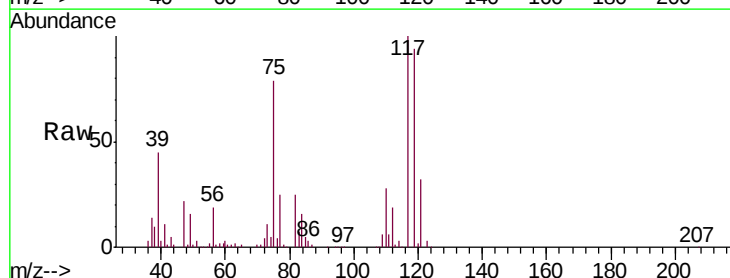
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

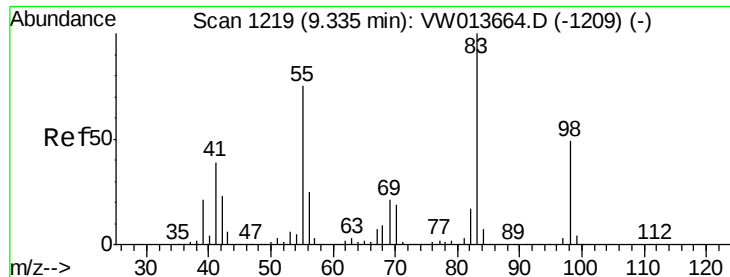
Tgt Ion: 43 Resp: 77943
 Ion Ratio Lower Upper
 43 100
 61 13.9 11.7 17.5
 70 11.4 8.8 13.2



#38
 Carbon Tetrachloride
 Concen: 50.219 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion: 117 Resp: 164130
 Ion Ratio Lower Upper
 117 100
 119 94.3 79.0 118.4
 121 32.2 24.5 36.7





#39

Methylcyclohexane

Concen: 48.211 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

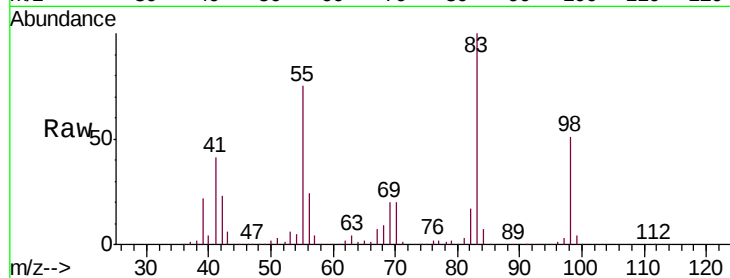
Tgt Ion: 83 Resp: 225967

Ion Ratio Lower Upper

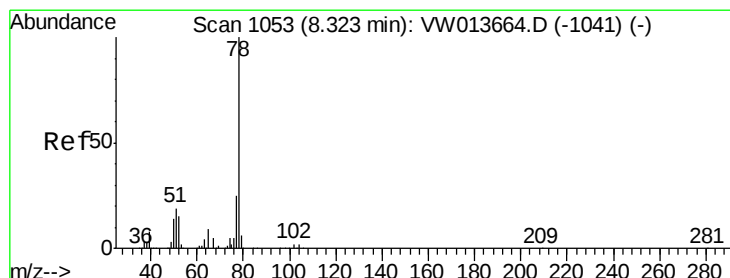
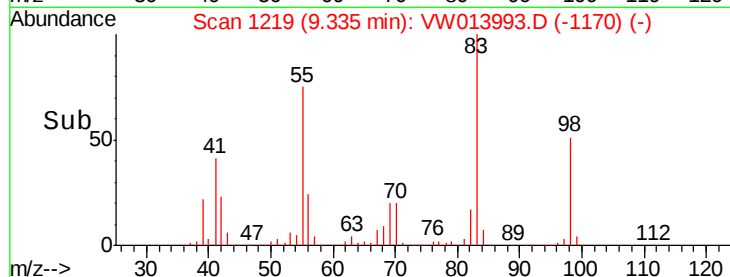
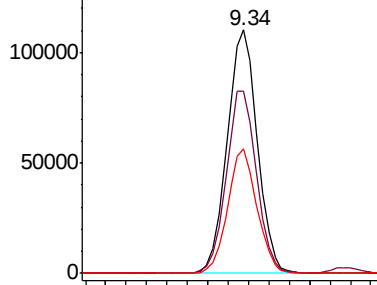
83 100

55 75.0 59.9 89.9

98 51.1 39.4 59.2



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



#40

Benzene

Concen: 49.654 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW013993.D

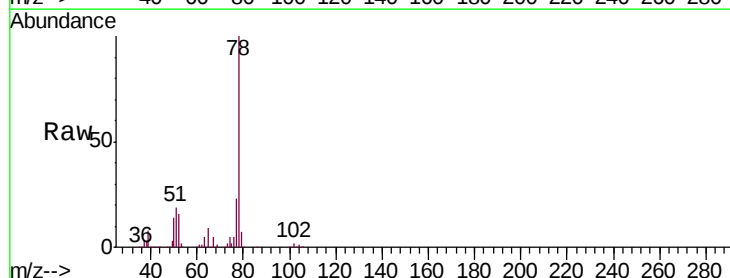
Acq: 12 Nov 2019 22:59

Tgt Ion: 78 Resp: 510007

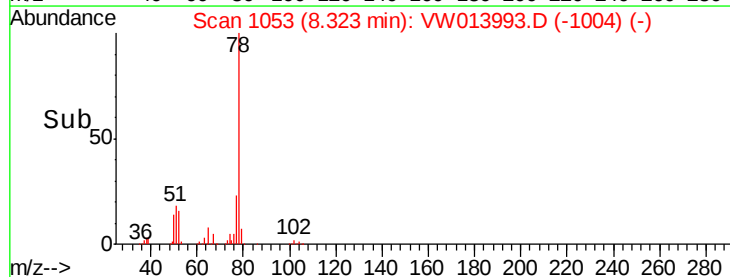
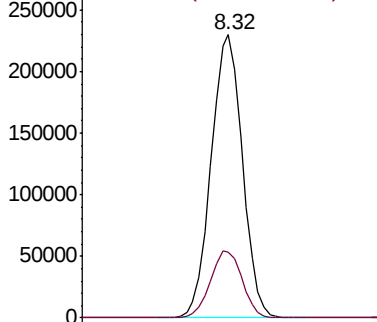
Ion Ratio Lower Upper

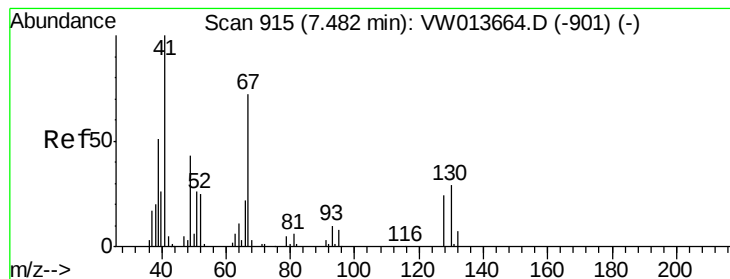
78 100

77 23.5 19.6 29.4



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





#41

Methacrylonitrile

Concen: 56.482 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 48934

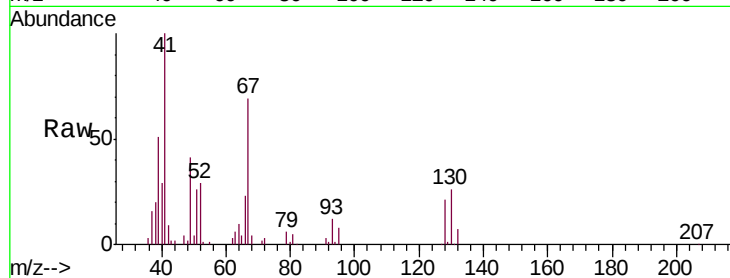
Ion Ratio Lower Upper

41 100

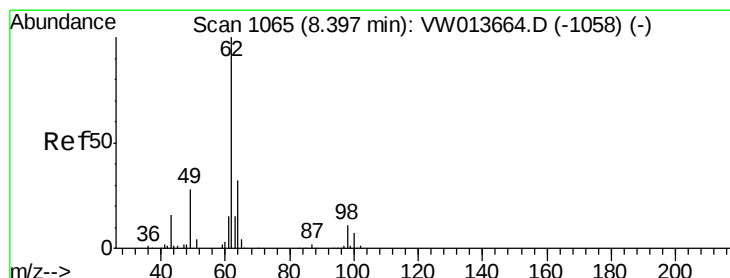
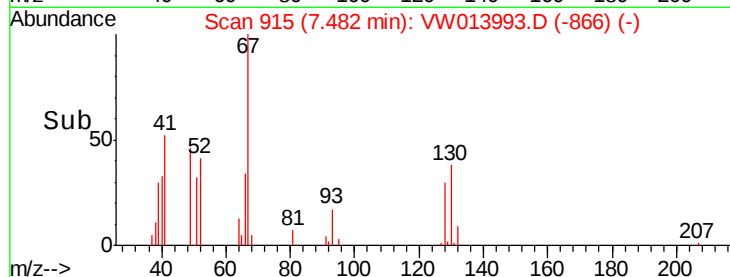
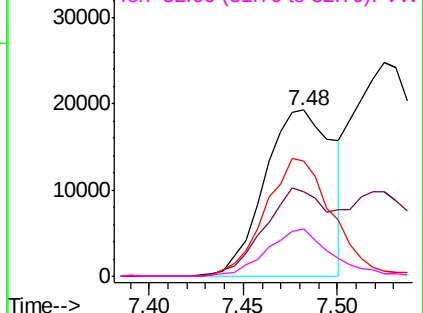
39 56.9 44.8 67.2

67 69.3 59.3 88.9

52 27.1 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: 52.691 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013993.D

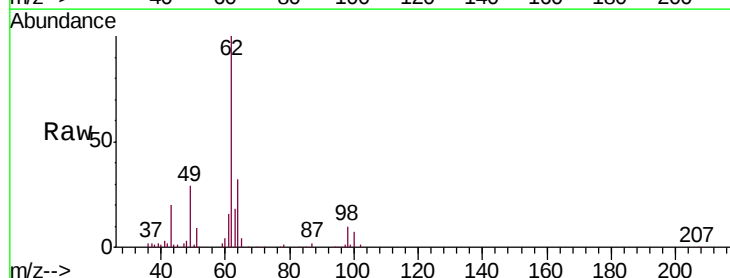
Acq: 12 Nov 2019 22:59

Tgt Ion: 62 Resp: 136378

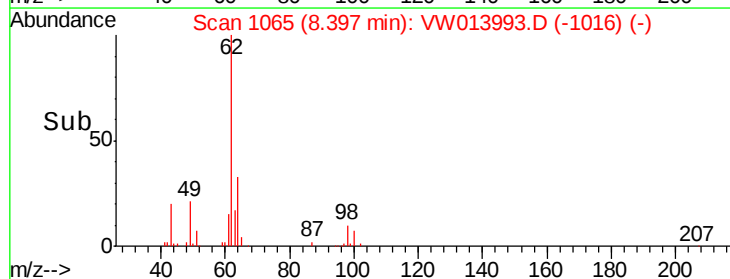
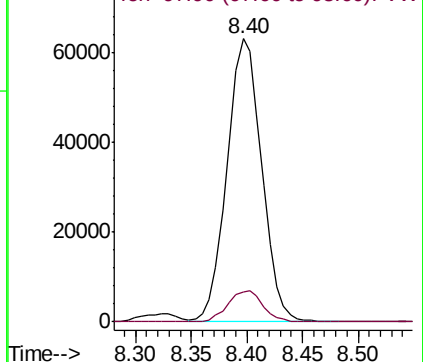
Ion Ratio Lower Upper

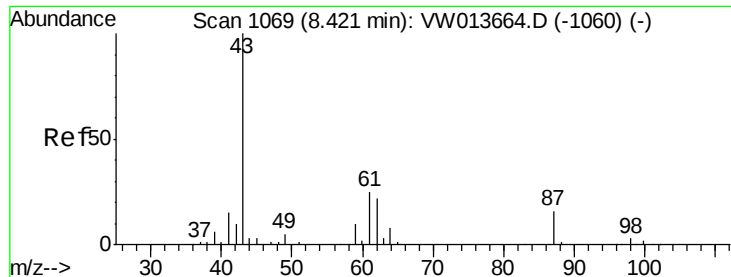
62 100

98 10.9 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: 56.353 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

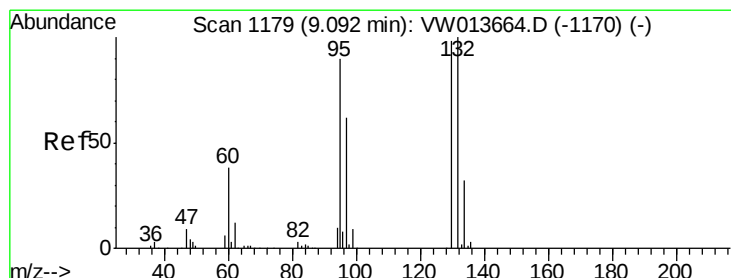
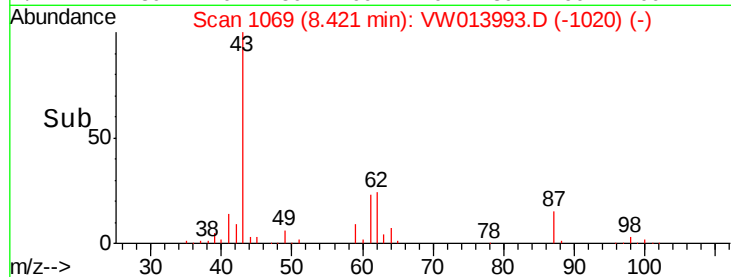
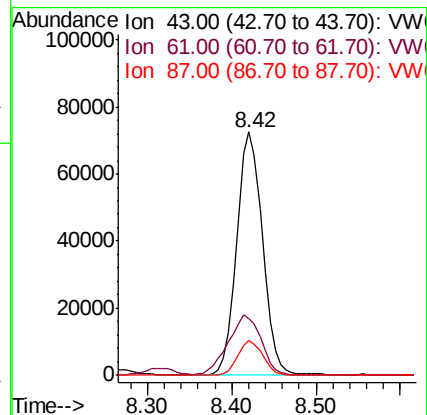
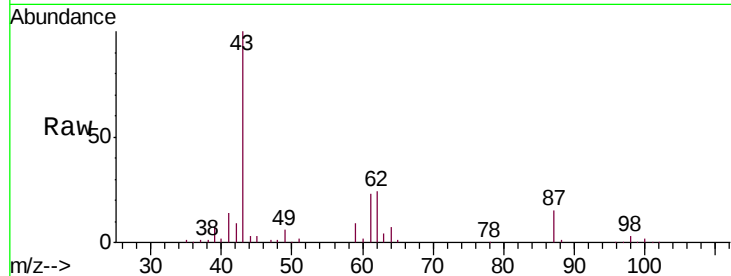
Tgt Ion: 43 Resp: 149864

Ion Ratio Lower Upper

43 100

61 32.0 26.1 39.1

87 13.8 11.4 17.0



#44

Trichloroethene

Concen: 49.603 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013993.D

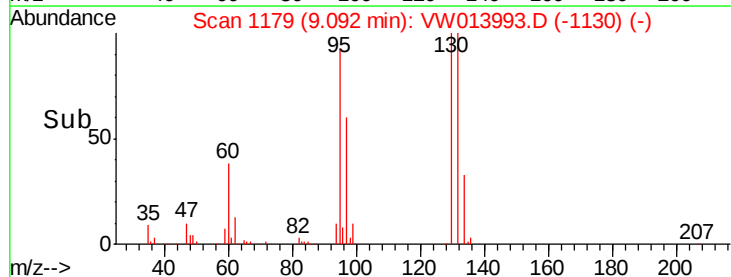
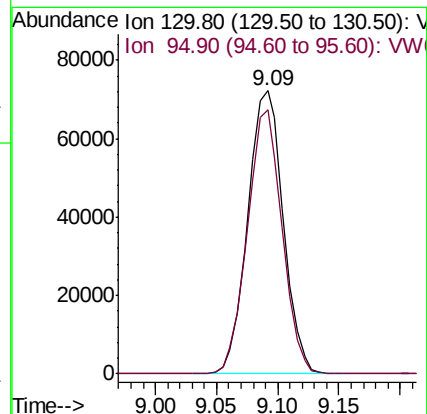
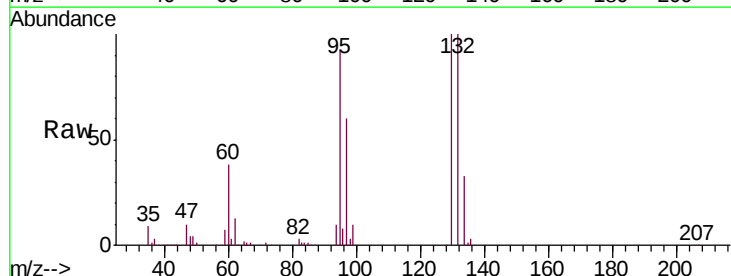
Acq: 12 Nov 2019 22:59

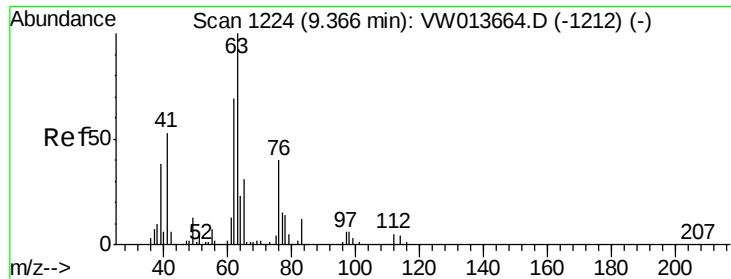
Tgt Ion: 130 Resp: 145939

Ion Ratio Lower Upper

130 100

95 93.3 0.0 184.6

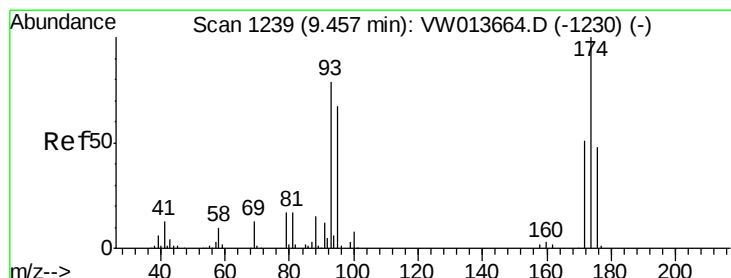
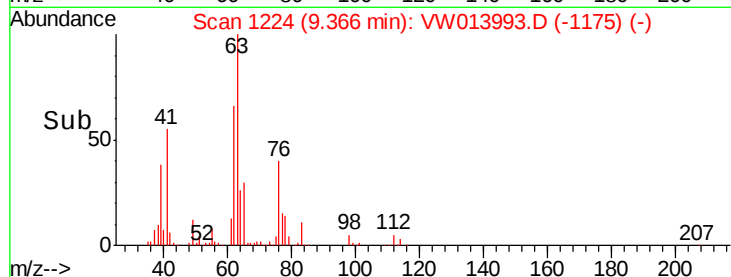
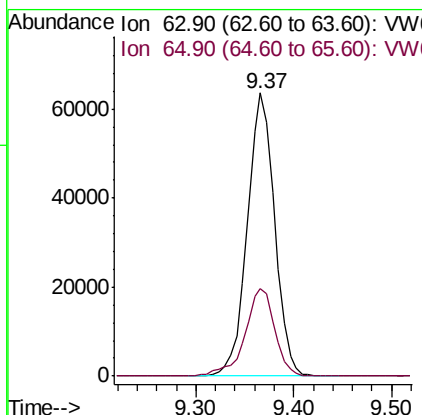
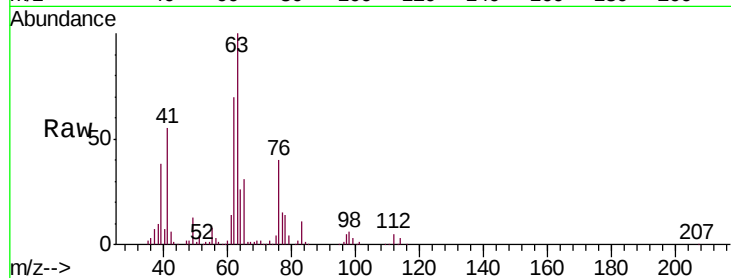




#45
 1,2-Dichloropropane
 Concen: 50.140 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

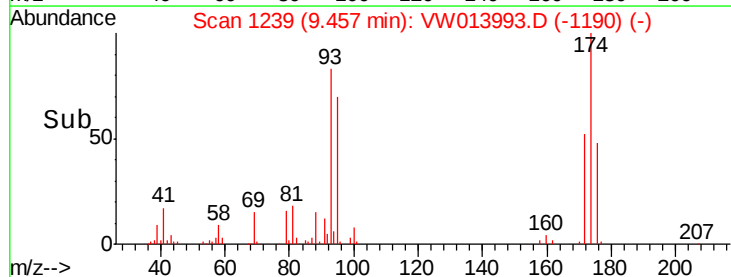
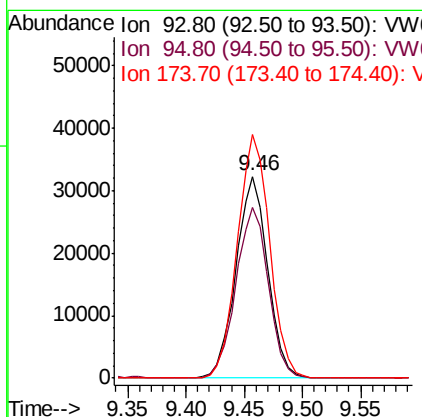
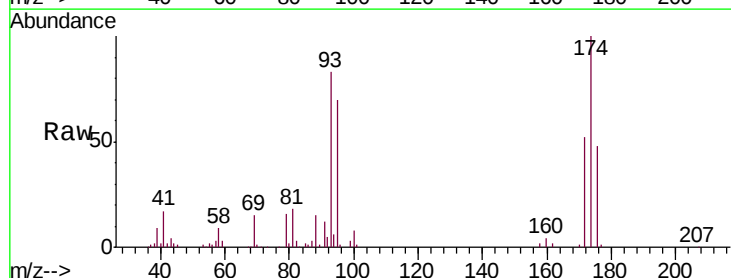
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

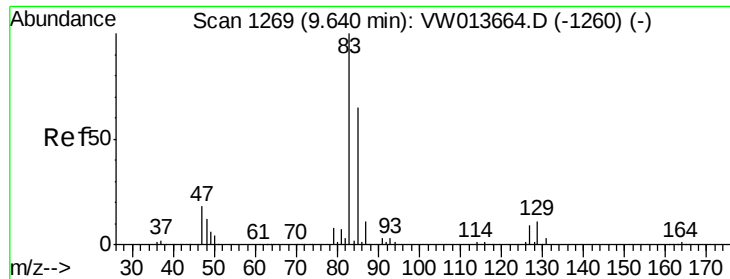
Tgt Ion: 63 Resp: 123010
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.2 37.8



#46
 Dibromomethane
 Concen: 51.377 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion: 93 Resp: 61177
 Ion Ratio Lower Upper
 93 100
 95 86.6 66.5 99.7
 174 123.5 99.6 149.4





#47

Bromodichloromethane

Concen: 52.752 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

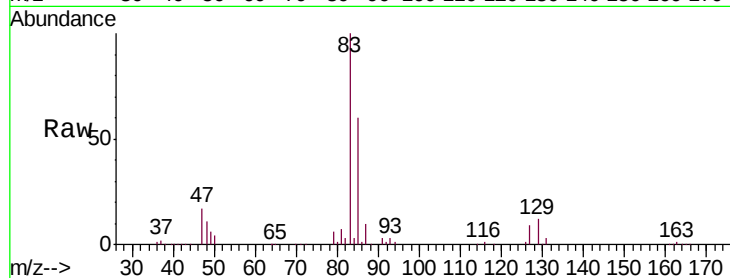
Tgt Ion: 83 Resp: 162527

Ion Ratio Lower Upper

83 100

85 60.0 51.8 77.6

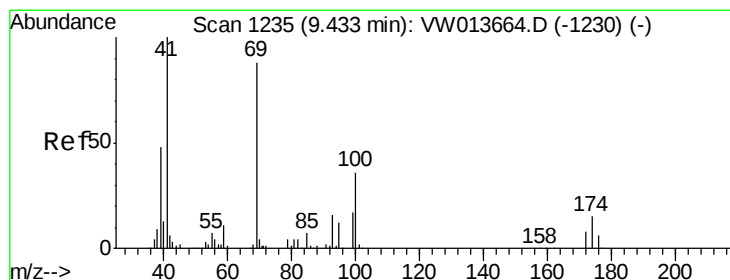
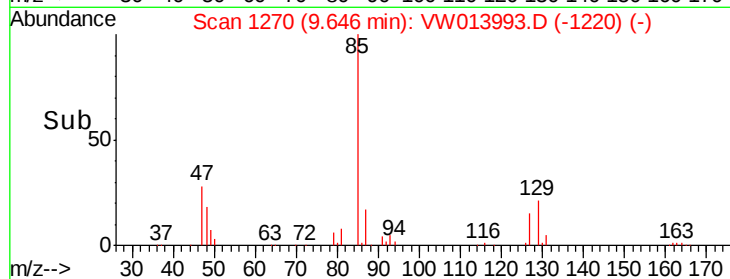
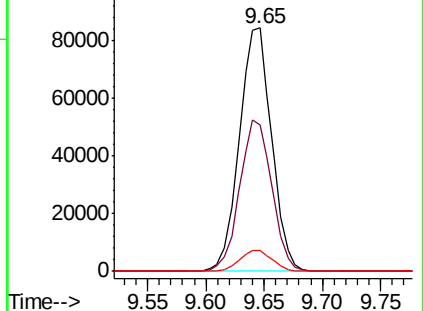
127 8.8 7.3 10.9



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: 56.448 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

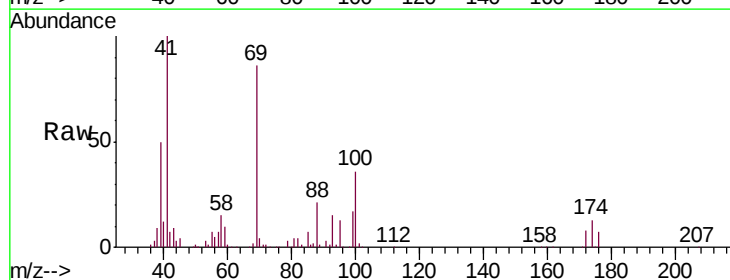
Tgt Ion: 41 Resp: 74442

Ion Ratio Lower Upper

41 100

69 86.2 67.6 101.4

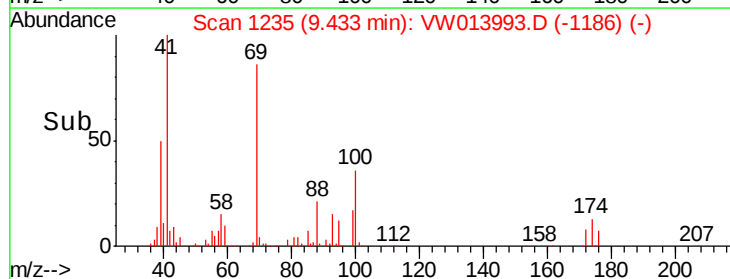
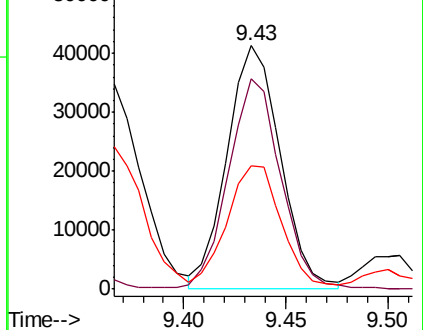
39 48.7 38.6 58.0

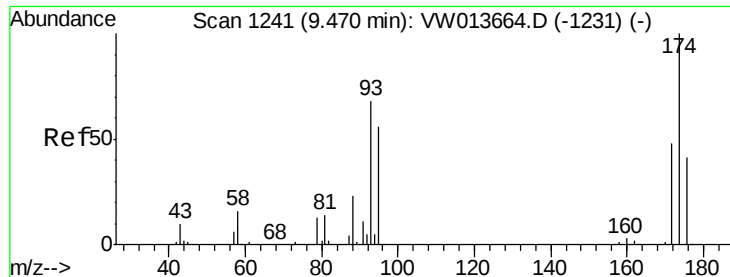


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

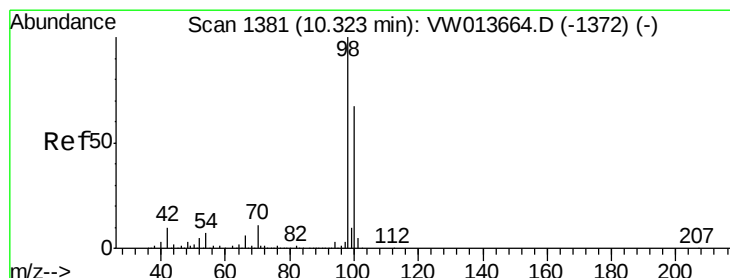
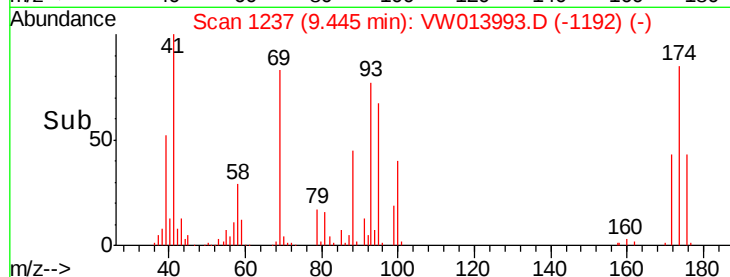
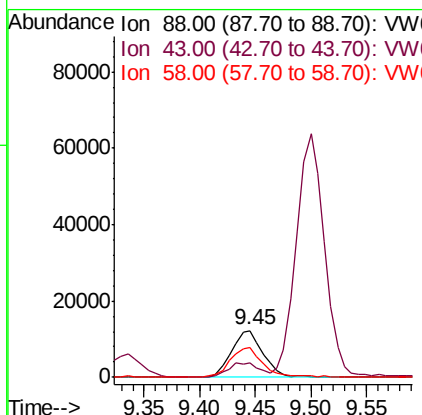
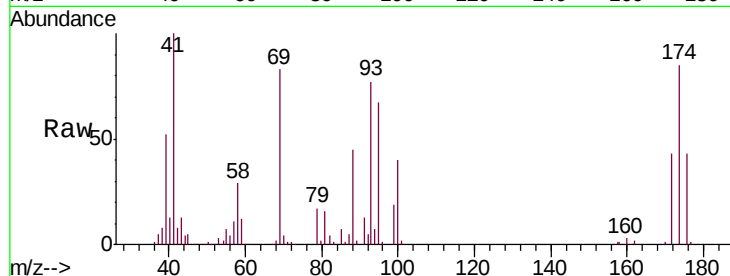




#49
1,4-Dioxane
Concen: 1358.118 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

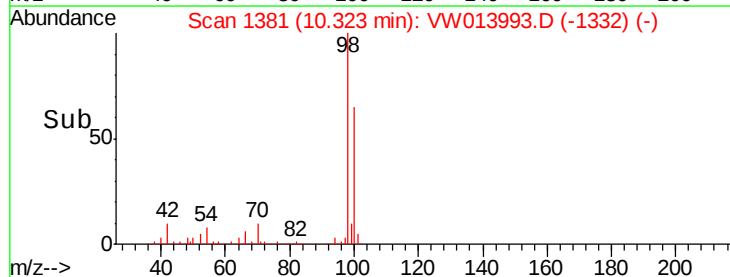
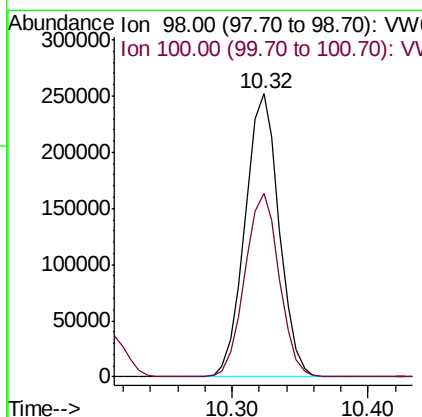
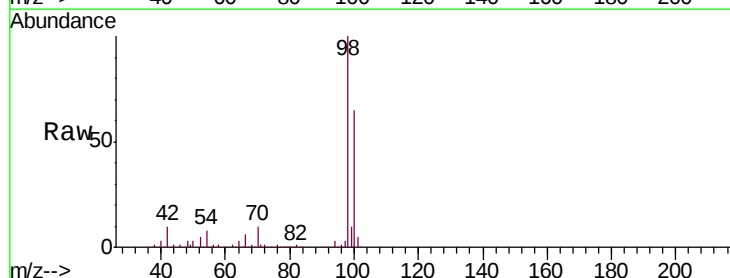
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

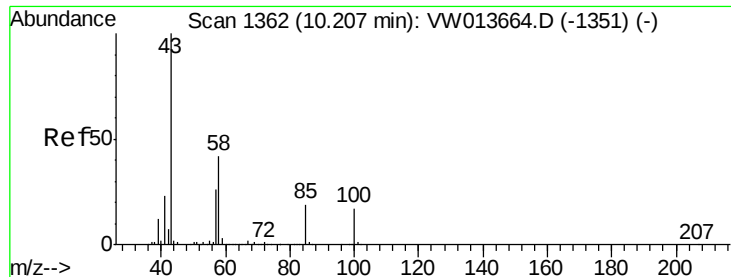
Tgt Ion: 88 Resp: 23897
Ion Ratio Lower Upper
88 100
43 29.9 0.0 0.0#
58 68.2 58.9 88.3



#50
Toluene-d8
Concen: 50.046 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion: 98 Resp: 441589
Ion Ratio Lower Upper
98 100
100 65.4 53.4 80.0

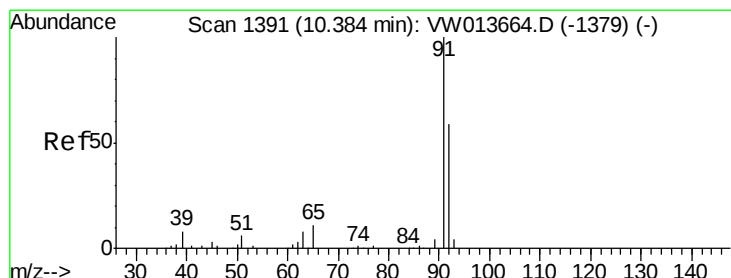
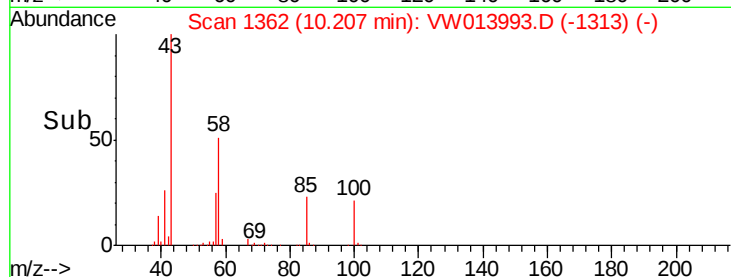
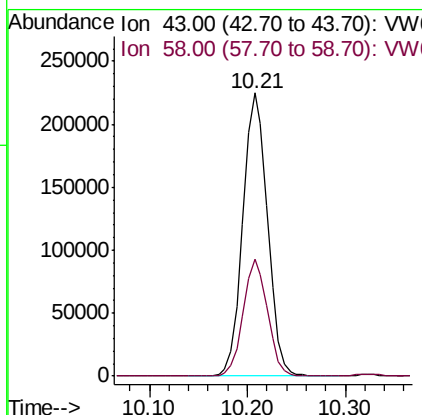
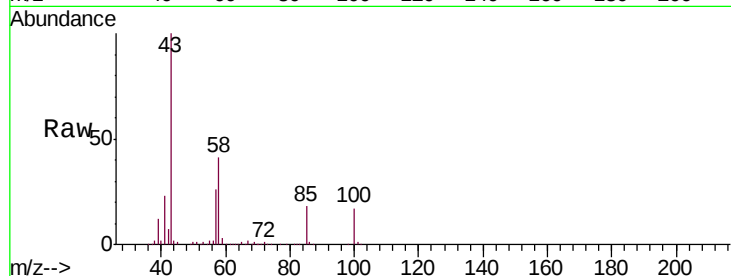




#51
 4-Methyl-2-Pentanone
 Concen: 297.405 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

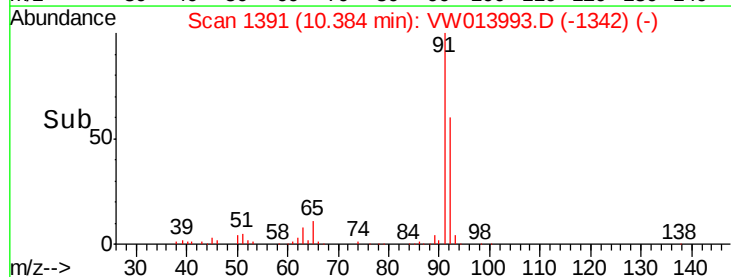
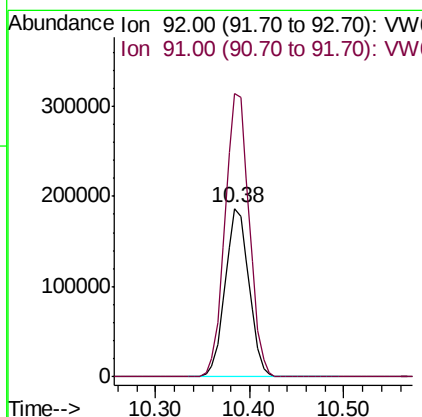
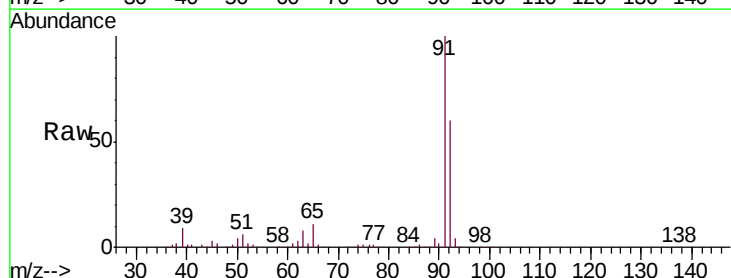
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

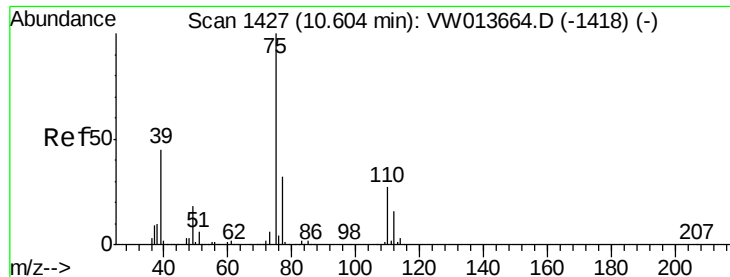
Tgt Ion: 43 Resp: 393016
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.6 49.0



#52
 Toluene
 Concen: 49.479 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion: 92 Resp: 327812
 Ion Ratio Lower Upper
 92 100
 91 170.6 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 51.779 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

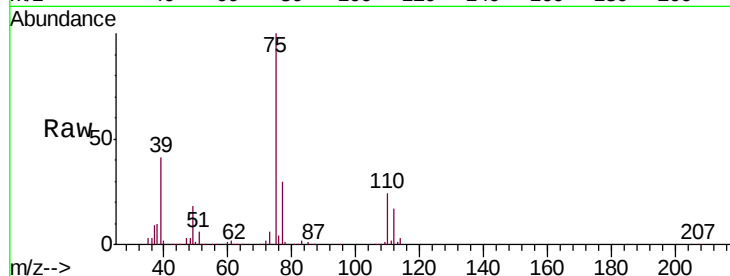
VSTDCCC050EC

Tgt Ion: 75 Resp: 161498

Ion Ratio Lower Upper

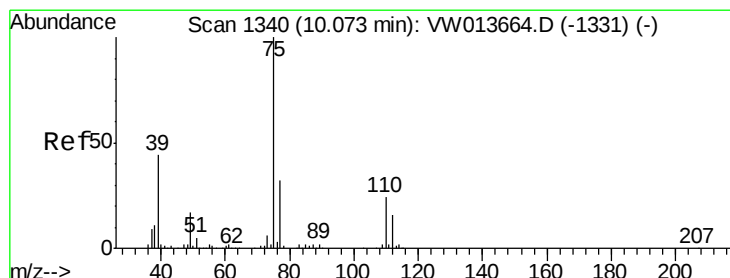
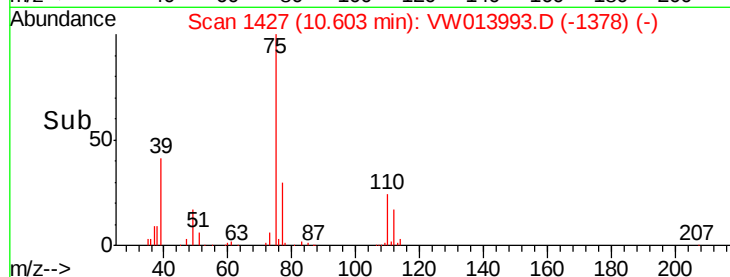
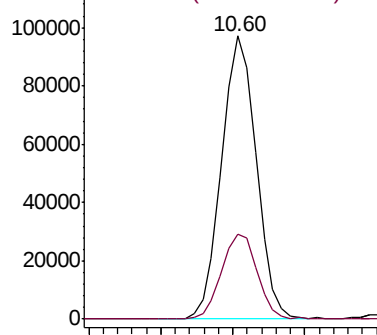
75 100

77 29.9 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 50.494 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

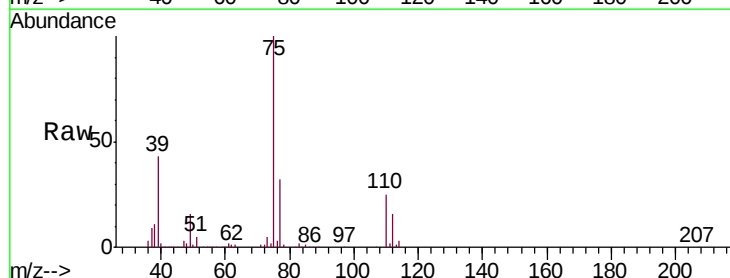
Tgt Ion: 75 Resp: 194307

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

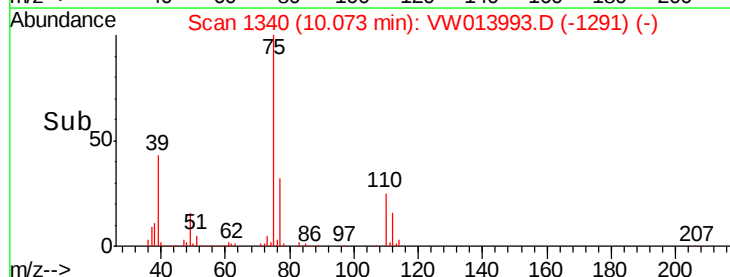
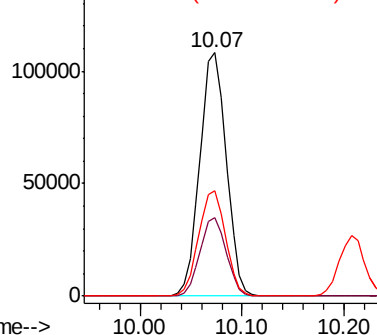
39 43.5 35.3 52.9

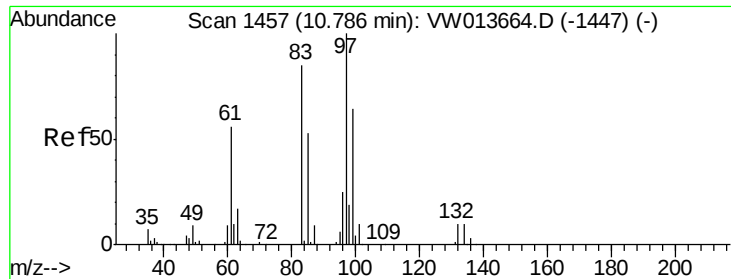


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

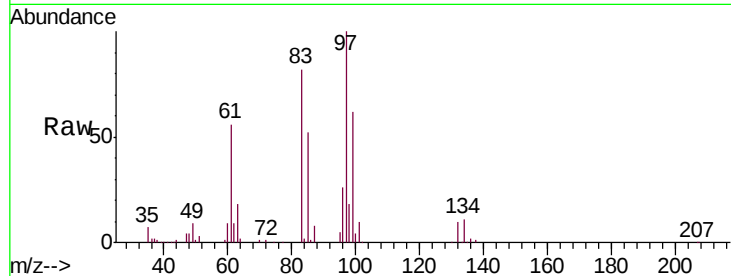




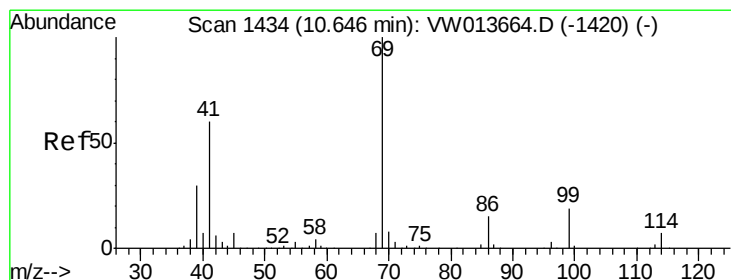
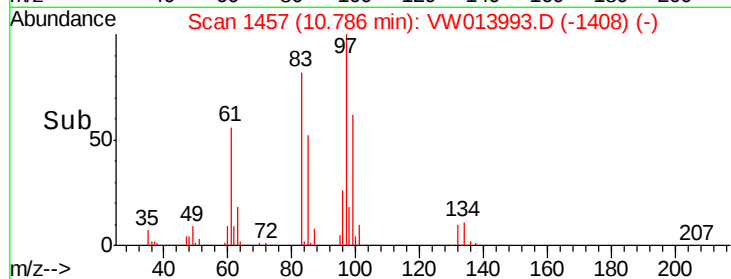
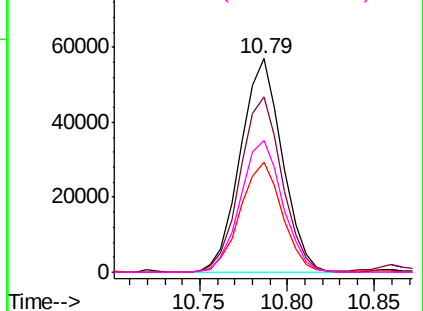
#55
 1,1,2-Trichloroethane
 Concen: 53.503 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 97 Resp: 94948
 Ion Ratio Lower Upper
 97 100
 83 81.9 67.8 101.8
 85 51.7 42.1 63.1
 99 62.0 51.4 77.0

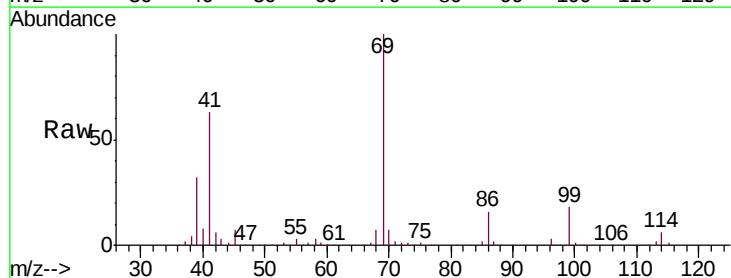


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

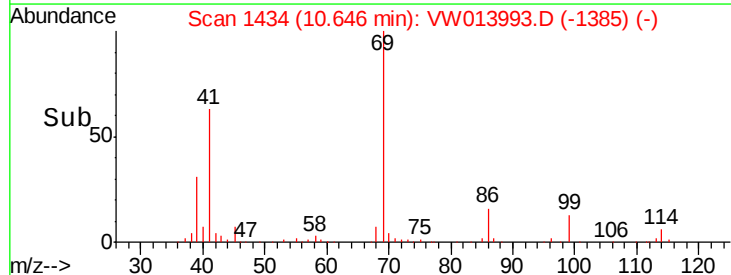
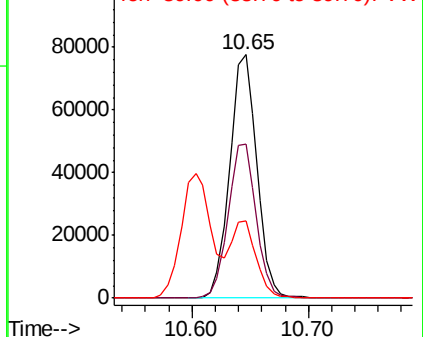


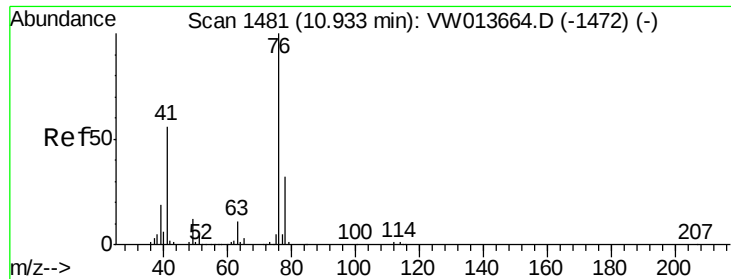
#56
 Ethyl methacrylate
 Concen: 56.953 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion: 69 Resp: 126450
 Ion Ratio Lower Upper
 69 100
 41 65.5 51.6 77.4
 39 28.9 22.4 33.6



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

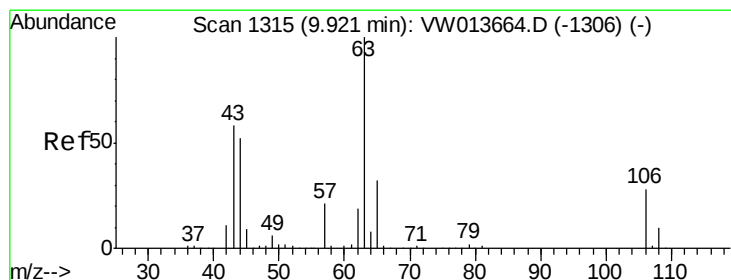
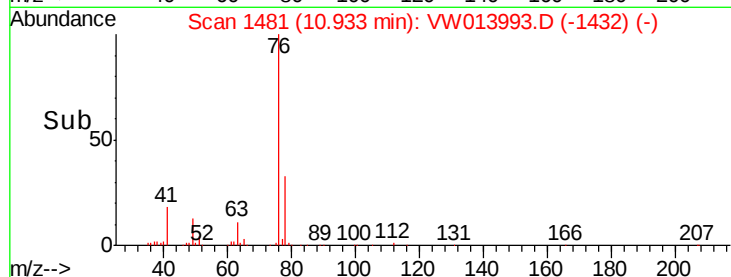
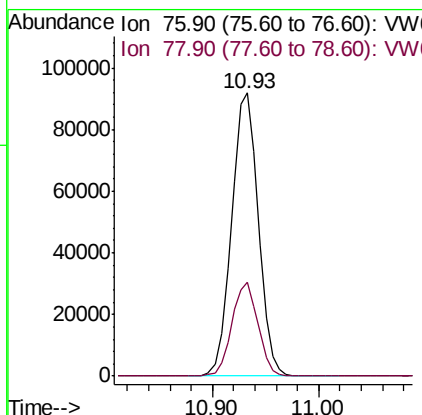
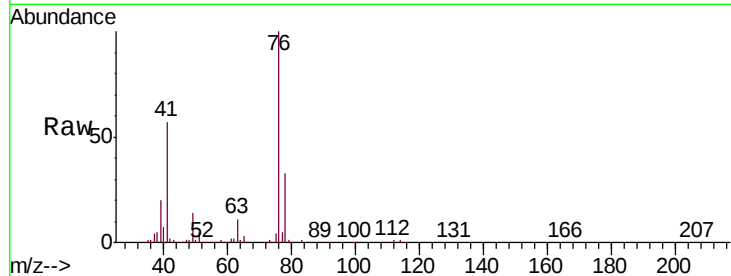




#57
 1,3-Dichloropropane
 Concen: 53.004 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

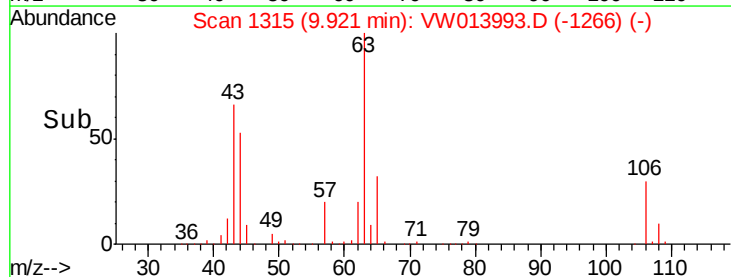
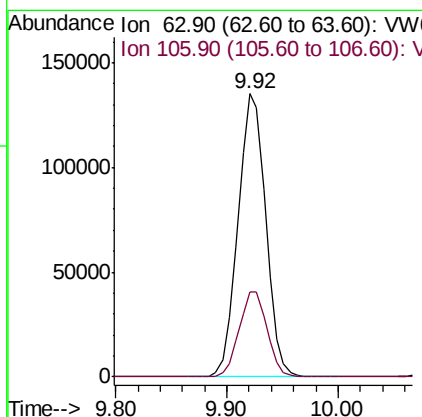
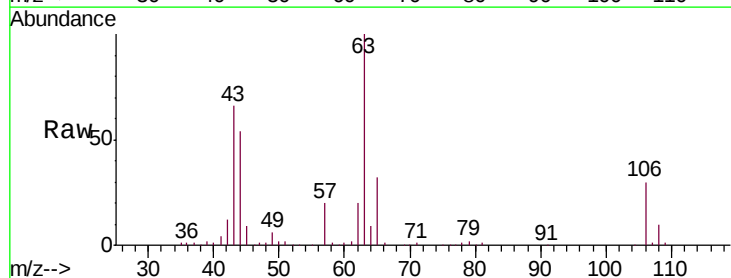
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

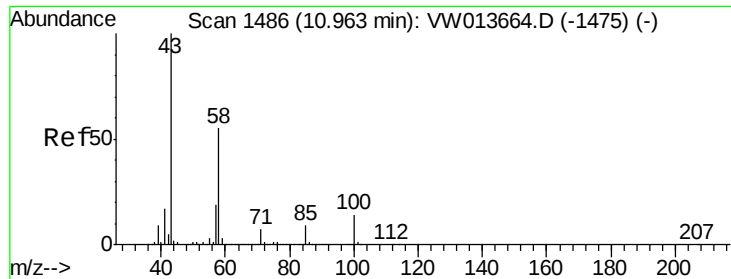
Tgt Ion: 76 Resp: 161417
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.235 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion: 63 Resp: 233221
 Ion Ratio Lower Upper
 63 100
 106 30.4 23.8 35.8

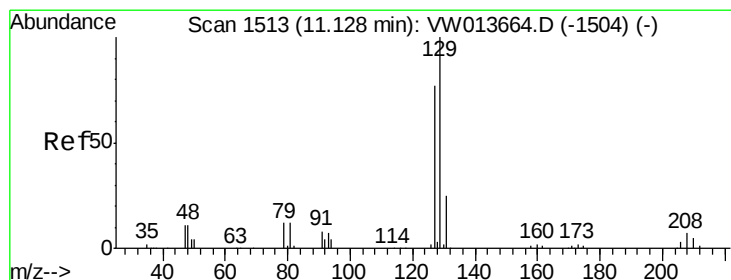
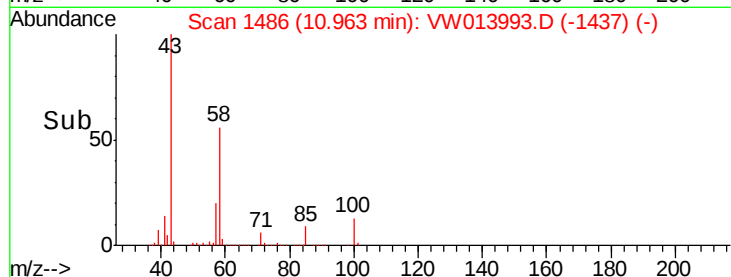
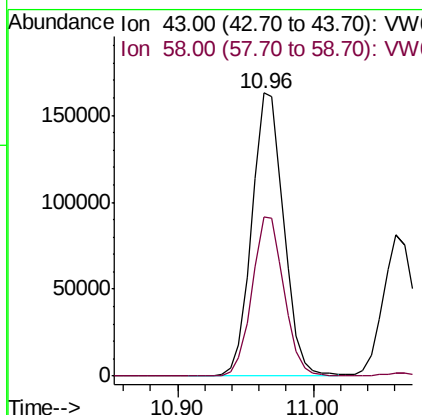
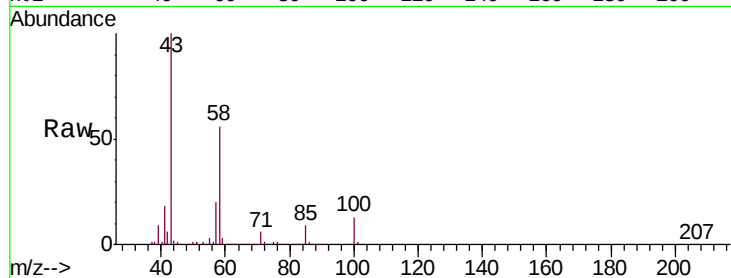




#59
2-Hexanone
Concen: 294.619 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

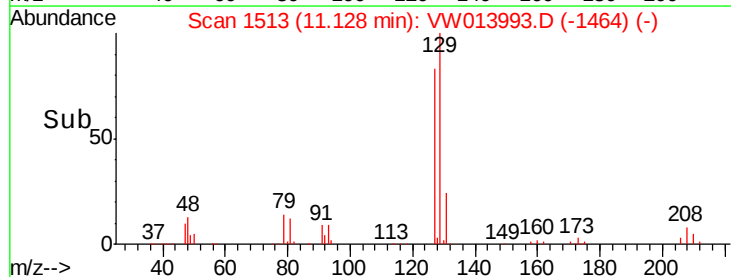
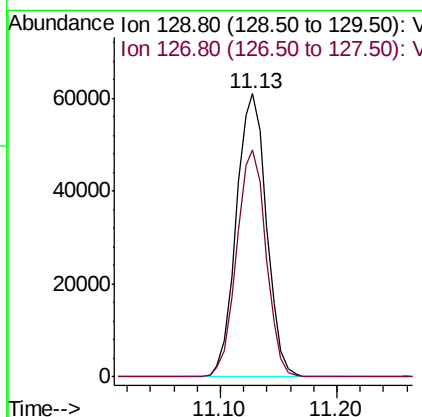
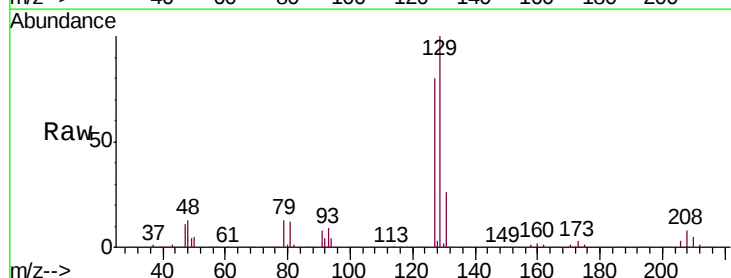
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

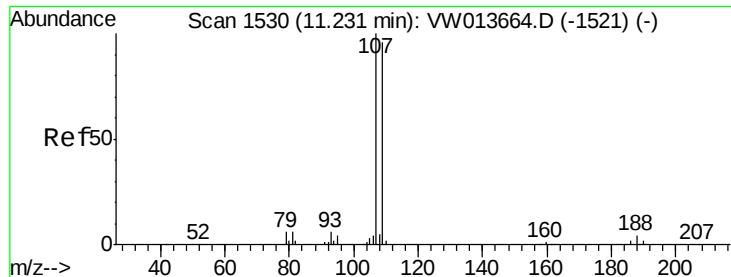
Tgt Ion: 43 Resp: 268405
Ion Ratio Lower Upper
43 100
58 56.4 27.9 83.7



#60
Dibromochloromethane
Concen: 52.308 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion: 129 Resp: 110214
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7

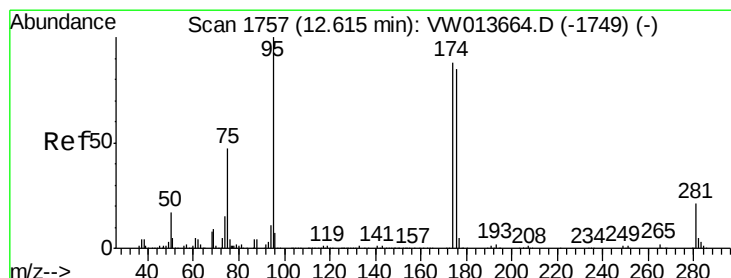
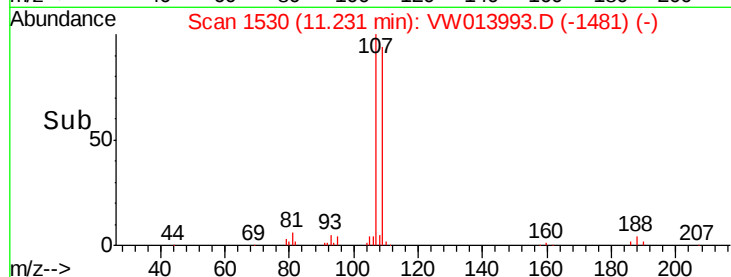
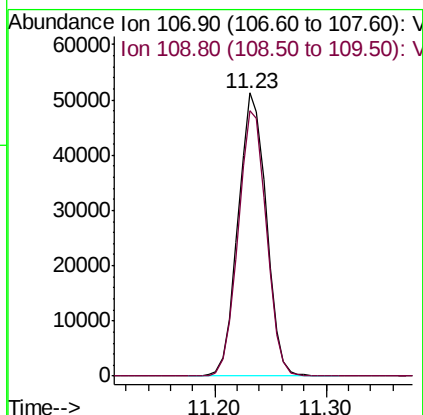
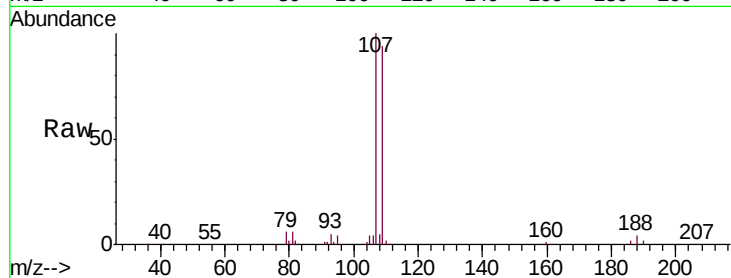




#61
 1,2-Dibromoethane
 Concen: 53.471 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

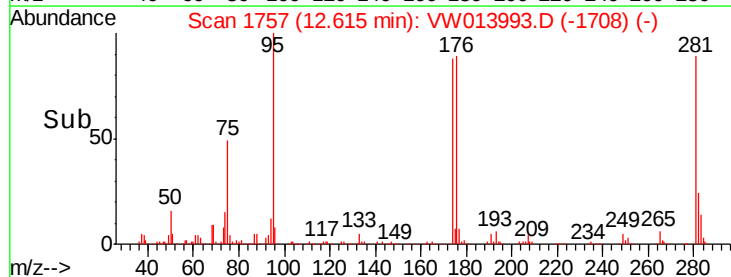
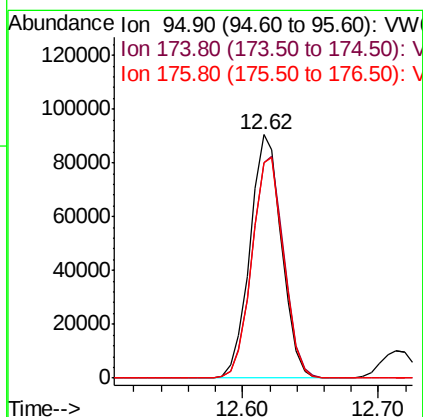
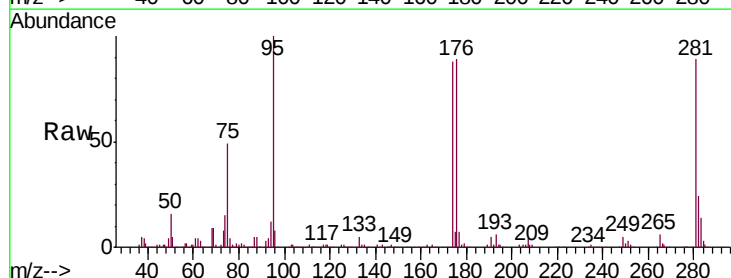
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

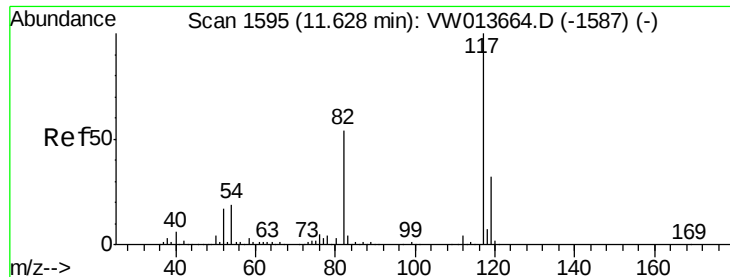
Tgt Ion: 107 Resp: 89773
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 49.437 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion: 95 Resp: 147704
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 183.6
 176 90.7 0.0 178.0

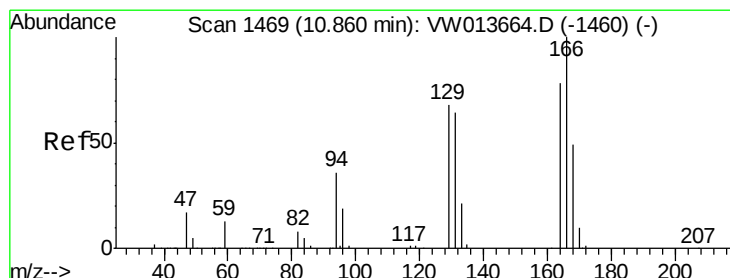
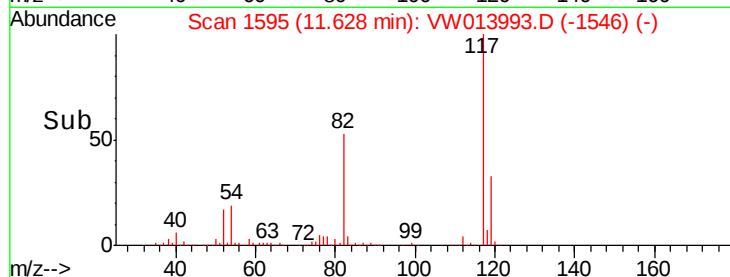
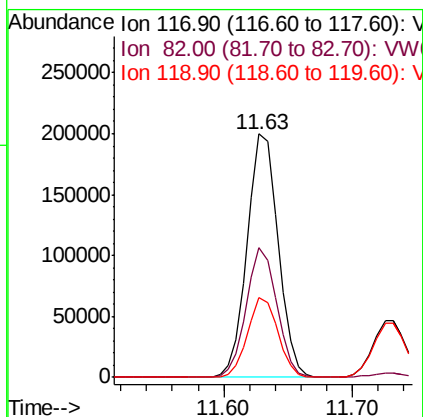
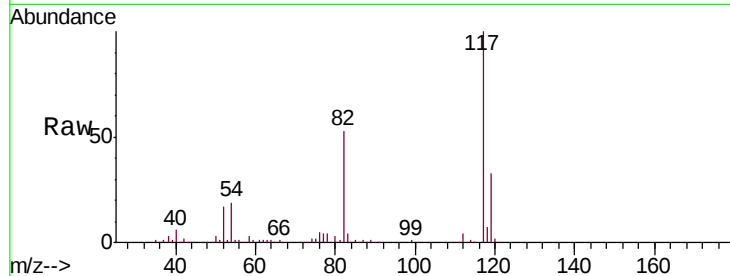




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

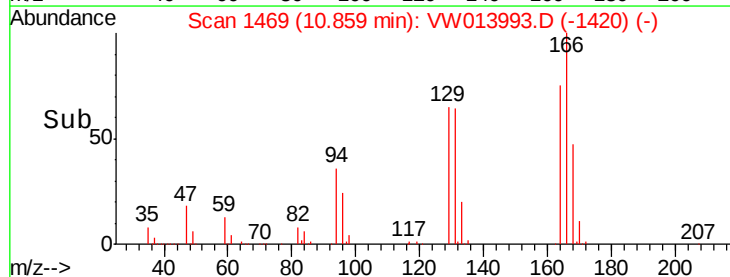
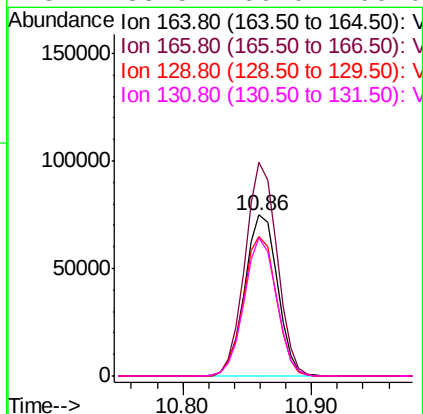
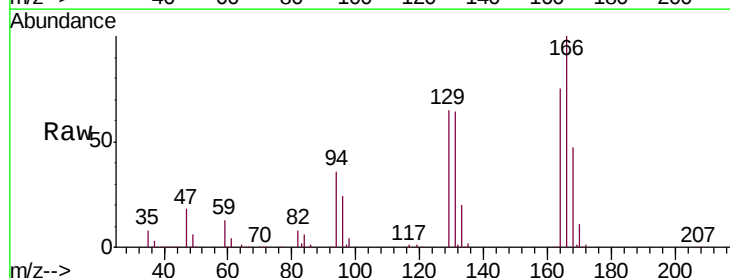
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

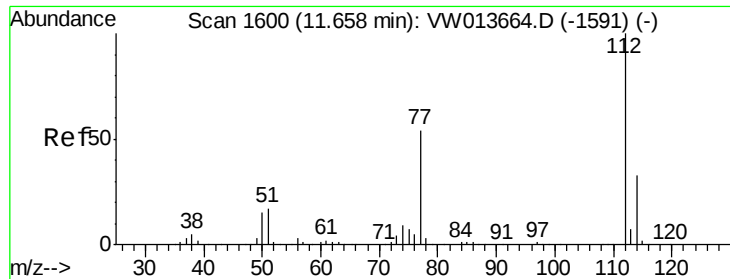
Tgt Ion:117 Resp: 331432
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 51.841 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion:164 Resp: 131275
Ion Ratio Lower Upper
164 100
166 132.7 103.2 154.8
129 86.4 70.6 105.8
131 85.5 66.0 99.0

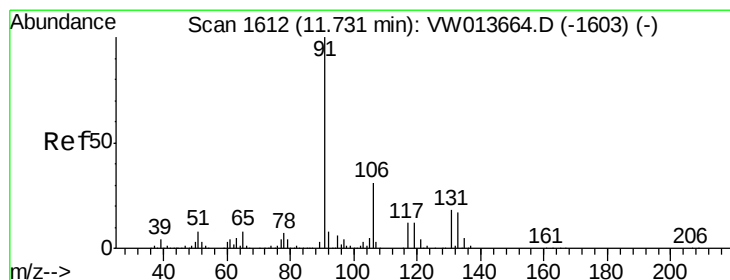
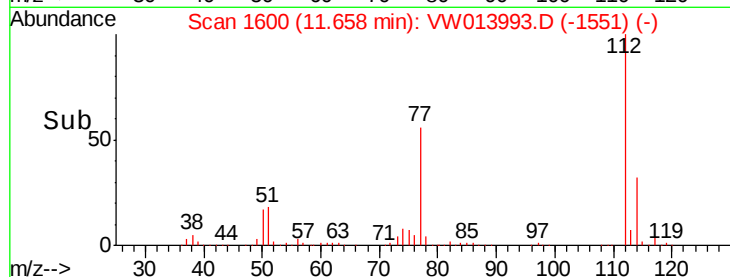
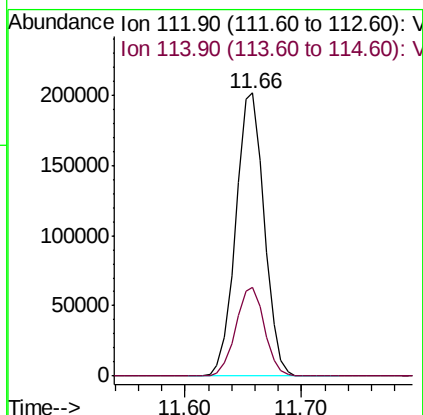
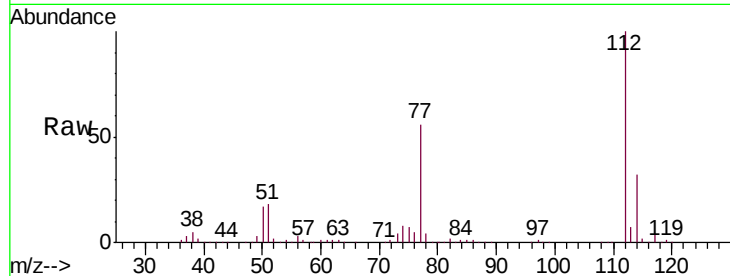




#65
Chlorobenzene
Concen: 50.387 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

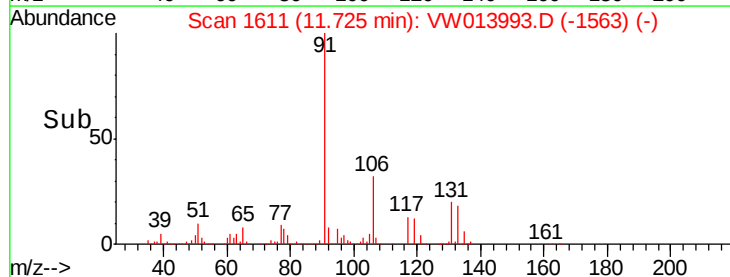
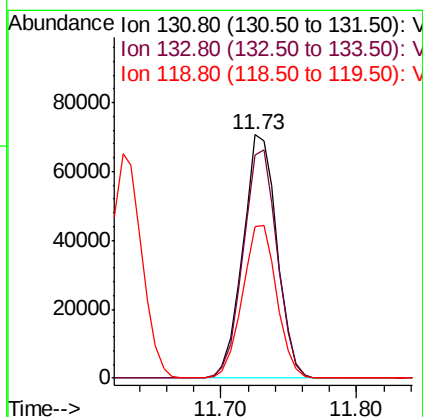
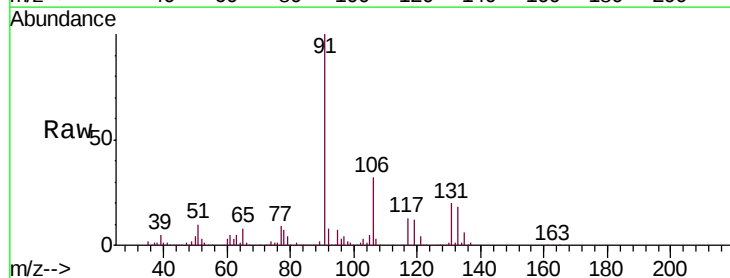
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

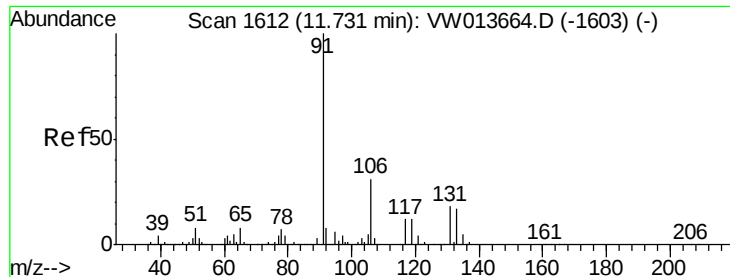
Tgt Ion:112 Resp: 343172
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.925 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion:131 Resp: 123422
Ion Ratio Lower Upper
131 100
133 94.2 47.4 142.3
119 63.2 33.1 99.2

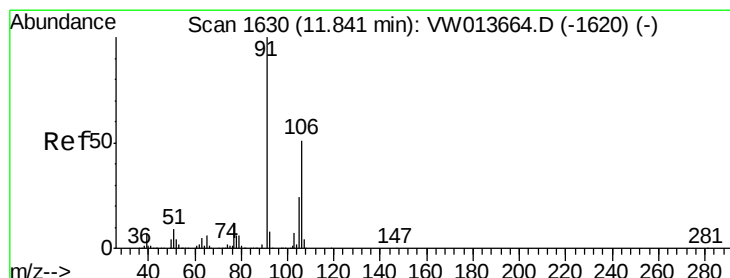
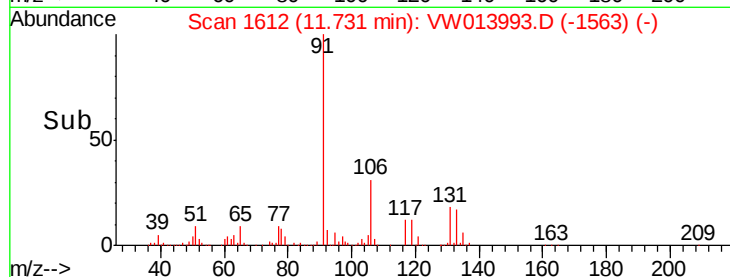
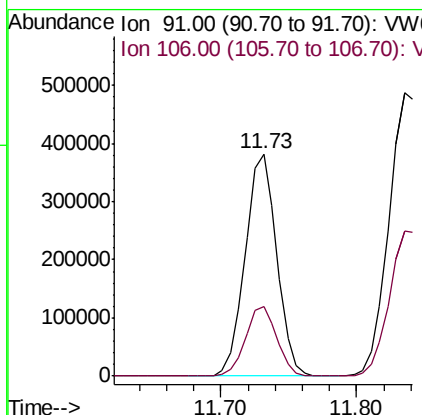
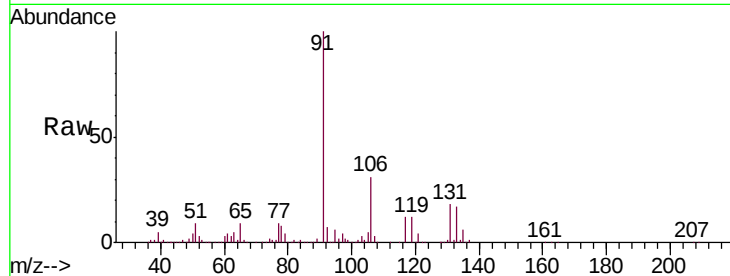




#67
Ethyl Benzene
Concen: 50.416 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

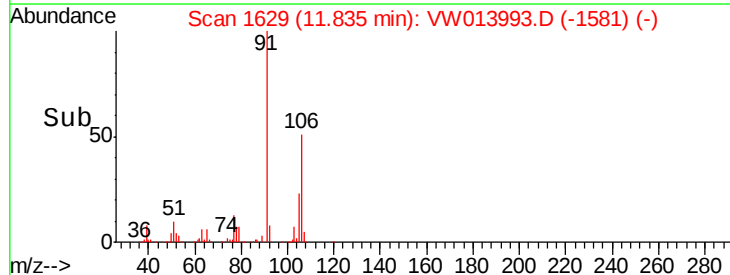
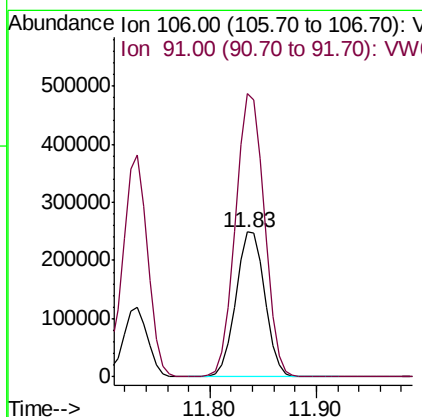
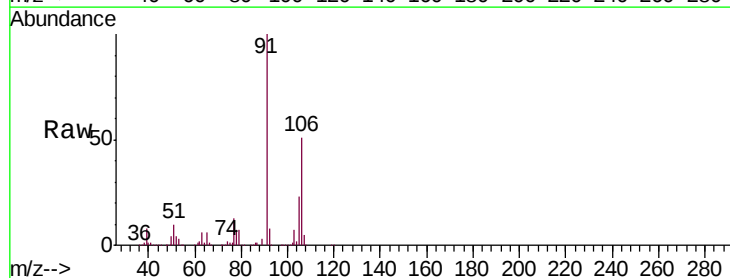
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

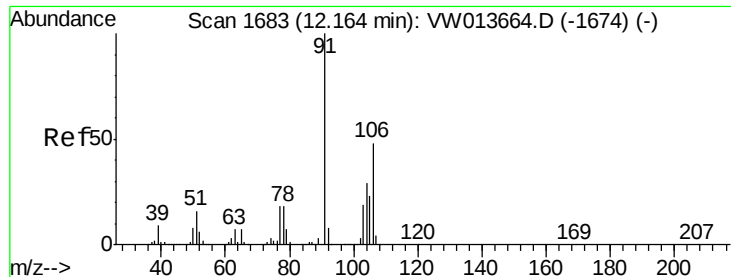
Tgt Ion: 91 Resp: 619151
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



#68
m/p-Xylenes
Concen: 100.362 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion: 106 Resp: 476189
Ion Ratio Lower Upper
106 100
91 195.5 159.2 238.8

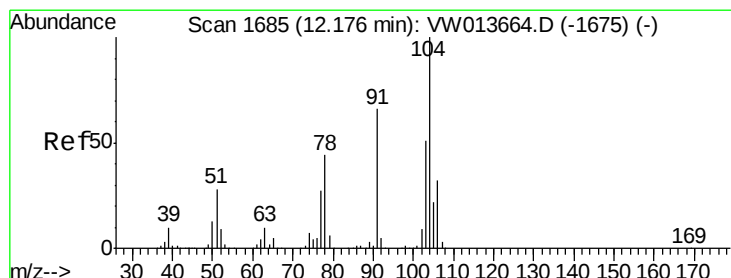
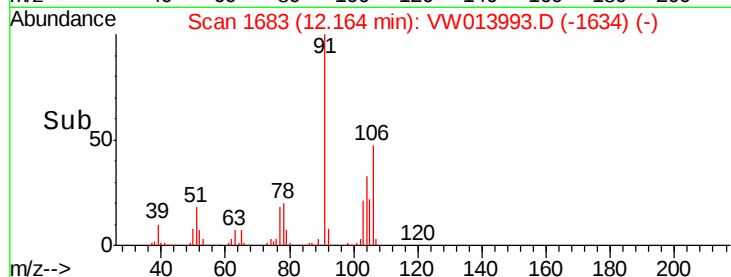
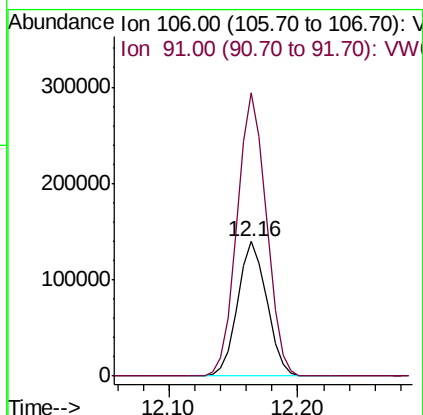
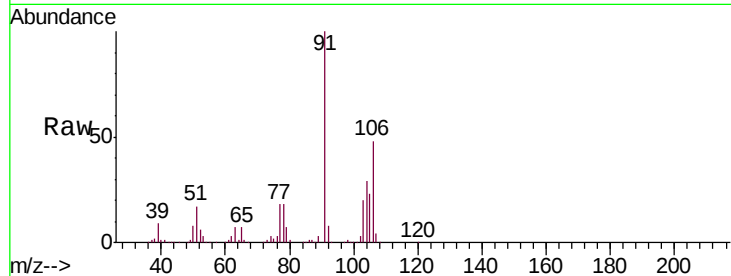




#69
o-Xylene
Concen: 50.252 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

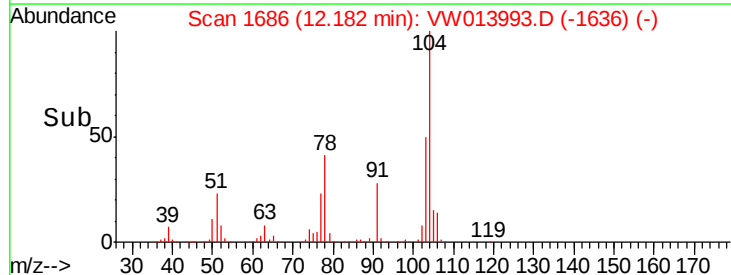
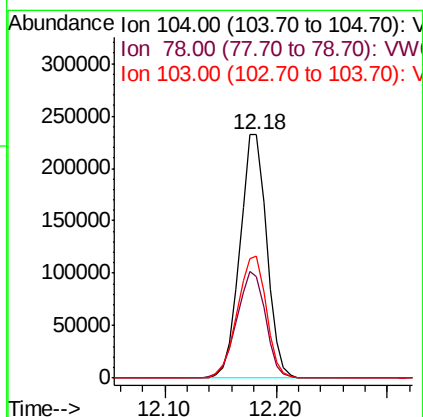
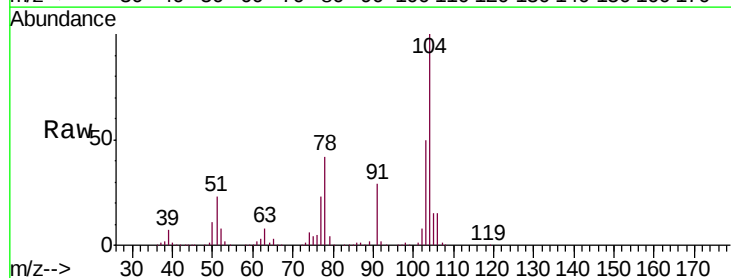
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

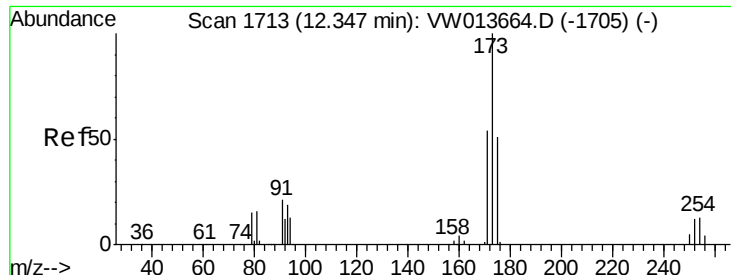
Tgt Ion:106 Resp: 219161
Ion Ratio Lower Upper
106 100
91 211.5 104.9 314.7



#70
Styrene
Concen: 51.734 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion:104 Resp: 387648
Ion Ratio Lower Upper
104 100
78 46.9 37.1 55.7
103 54.1 43.6 65.4





#71

Bromoform

Concen: 55.514 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

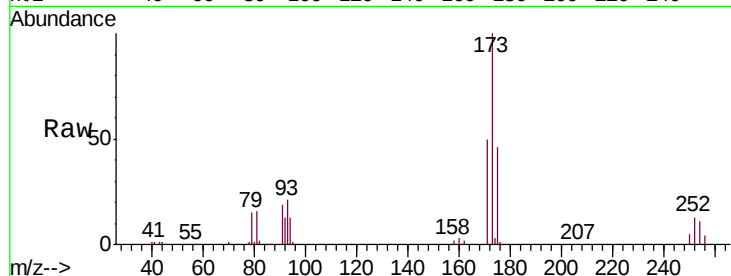
Tgt Ion:173 Resp: 69246

Ion Ratio Lower Upper

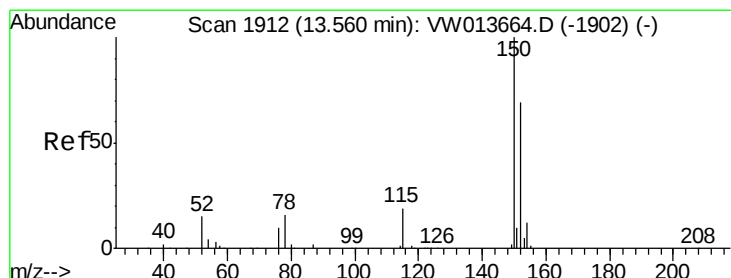
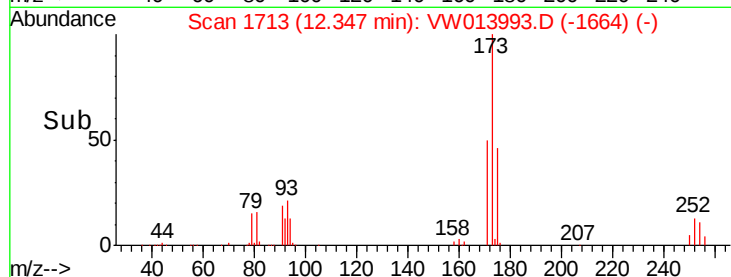
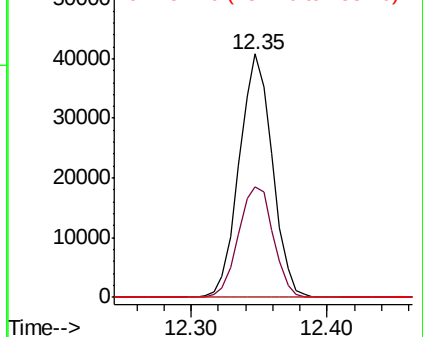
173 100

175 47.9 25.2 75.6

254 0.0 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: VW013993.D

Acq: 12 Nov 2019 22:59

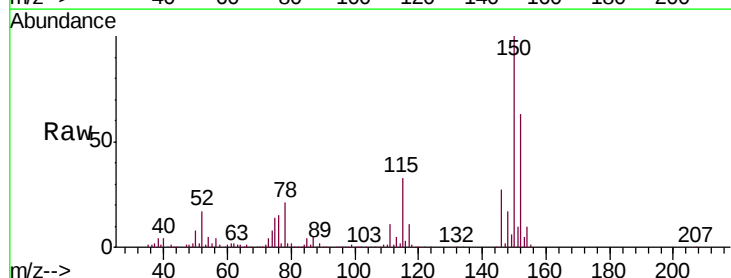
Tgt Ion:152 Resp: 165442

Ion Ratio Lower Upper

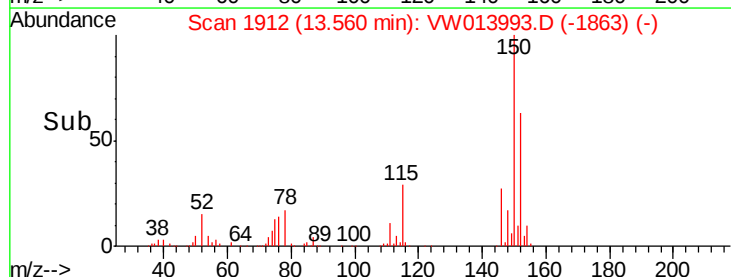
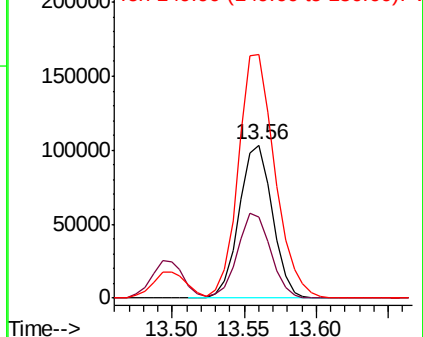
152 100

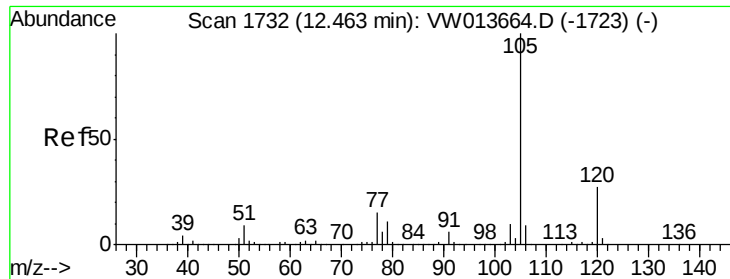
115 55.1 27.4 82.2

150 174.9 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: 51.609 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

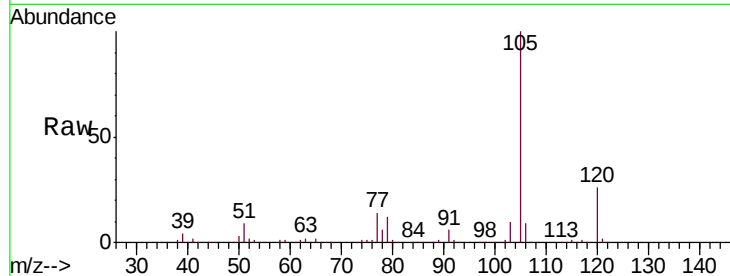
VSTDCCC050EC

Tgt Ion: 105 Resp: 613170

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

100000

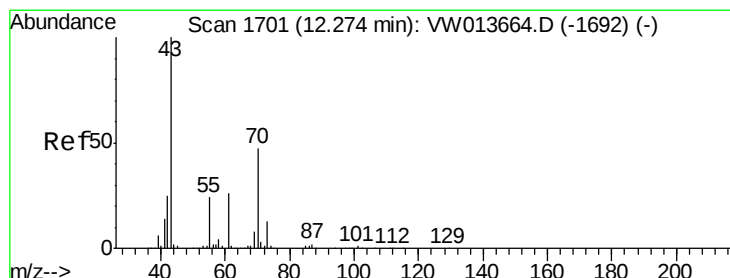
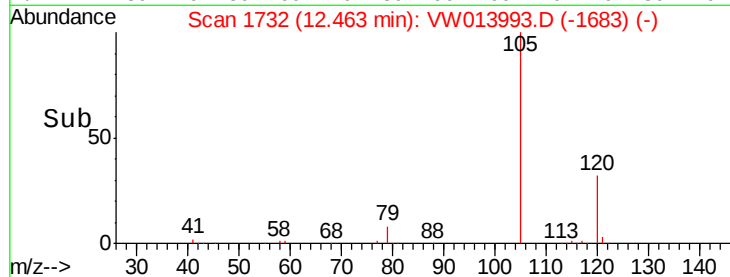
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 58.956 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion: 43 Resp: 135497

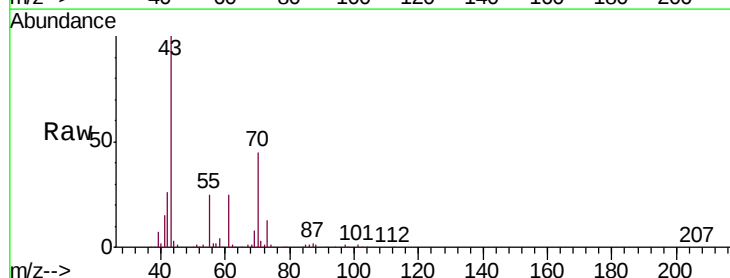
Ion Ratio Lower Upper

43 100

70 45.5 36.6 55.0

55 24.8 20.3 30.5

61 25.3 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

100000

50000

0

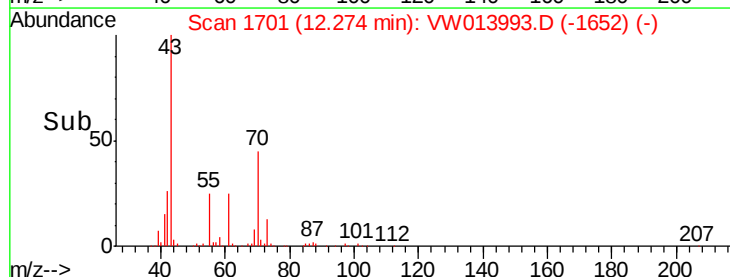
12.27

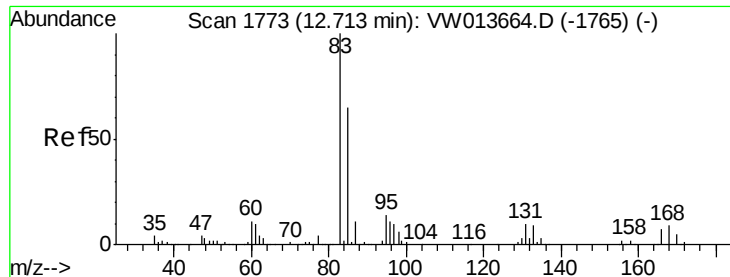
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.831 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

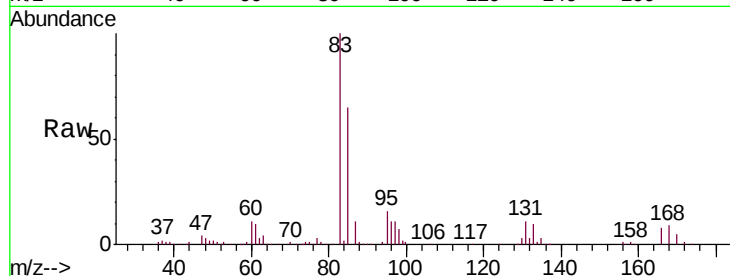
Tgt Ion: 83 Resp: 106550

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

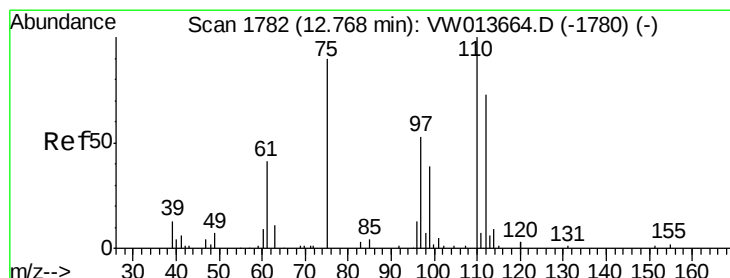
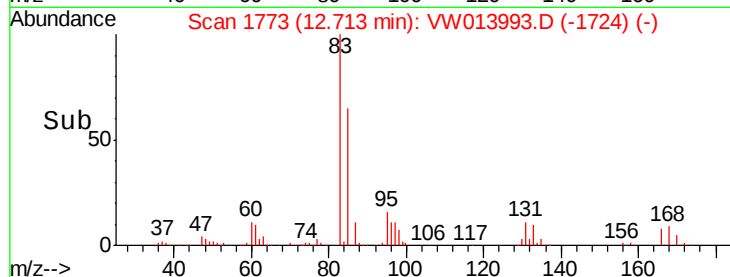
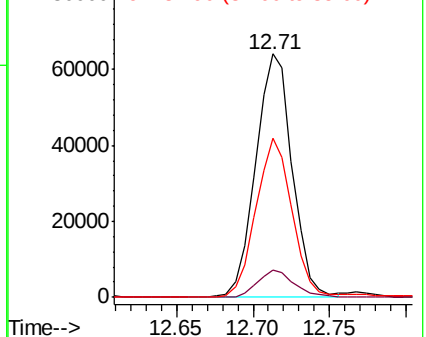
85 64.5 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 113.466 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013993.D

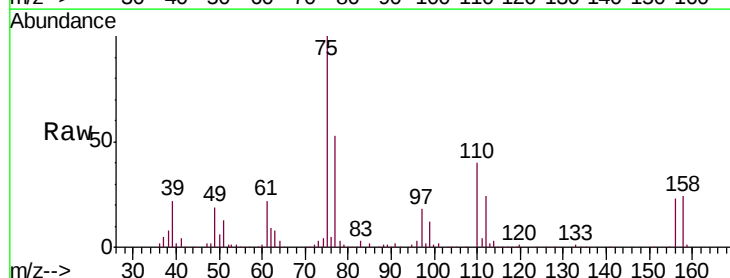
Acq: 12 Nov 2019 22:59

Tgt Ion: 75 Resp: 134809

Ion Ratio Lower Upper

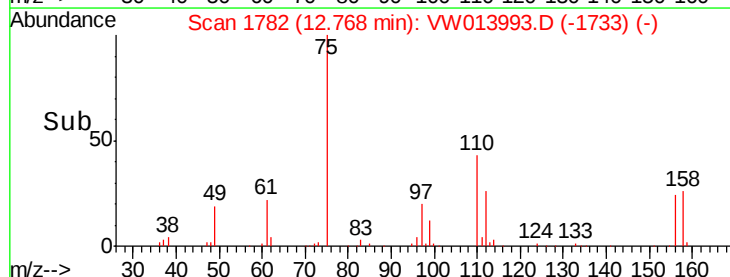
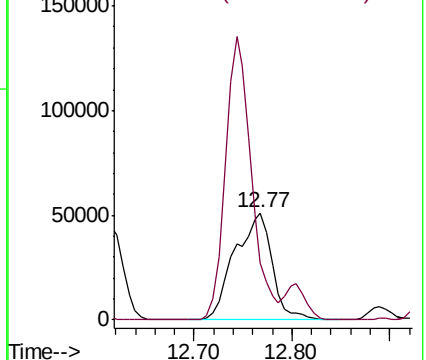
75 100

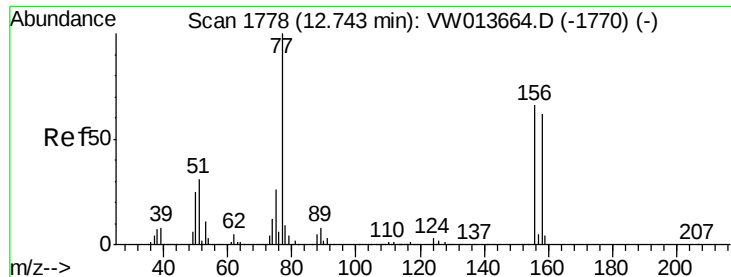
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.452 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

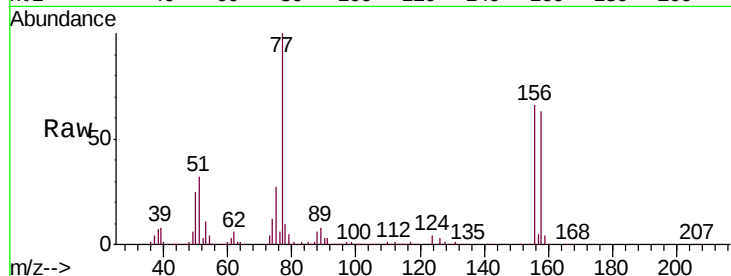
Tgt Ion: 156 Resp: 148869

Ion Ratio Lower Upper

156 100

77 167.8 82.9 248.7

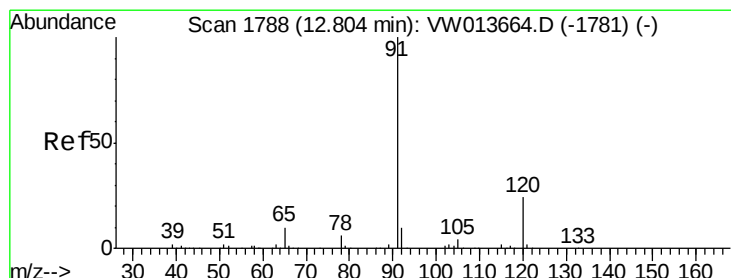
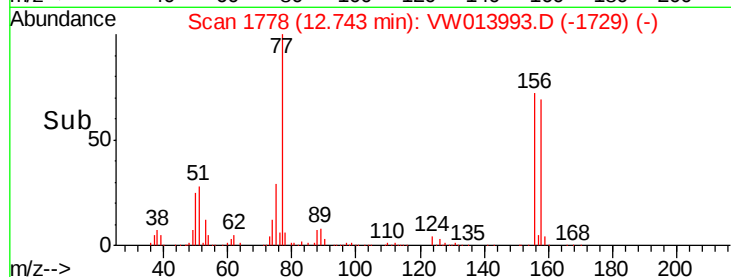
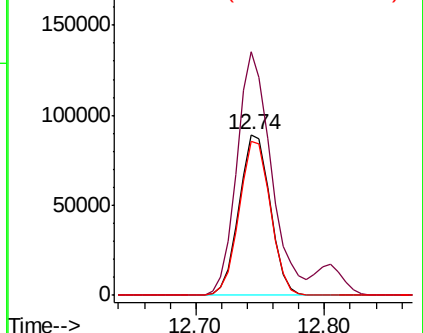
158 96.3 48.4 145.2



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: 51.101 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013993.D

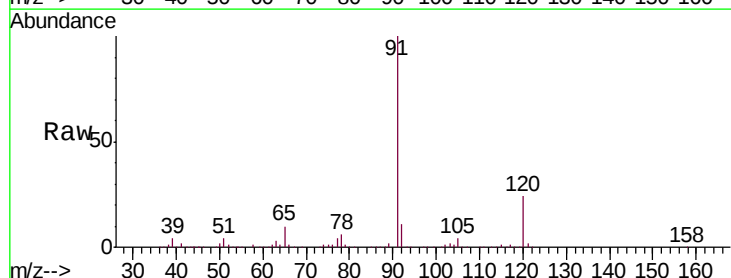
Acq: 12 Nov 2019 22:59

Tgt Ion: 91 Resp: 702713

Ion Ratio Lower Upper

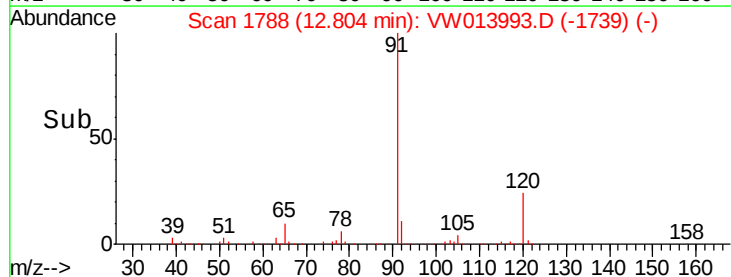
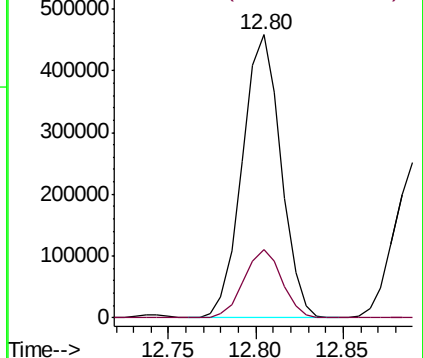
91 100

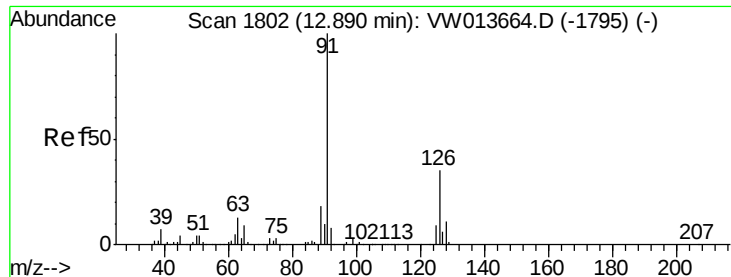
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.379 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

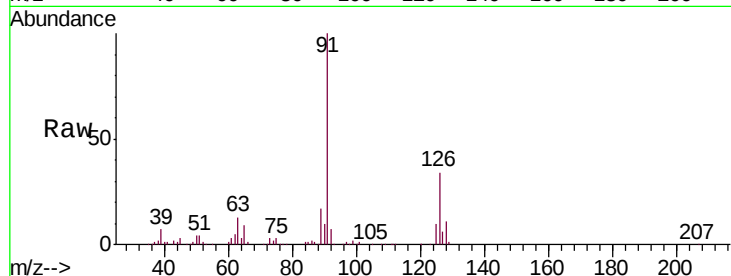
VSTDCCC050EC

Tgt Ion: 91 Resp: 397051

Ion Ratio Lower Upper

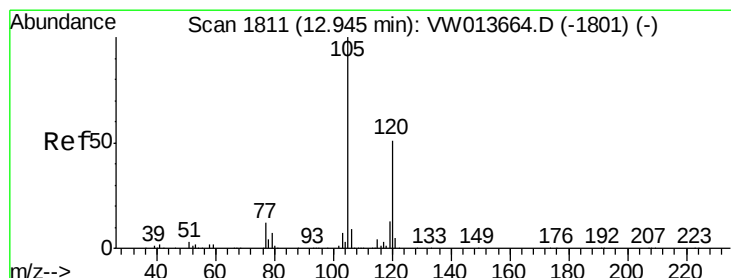
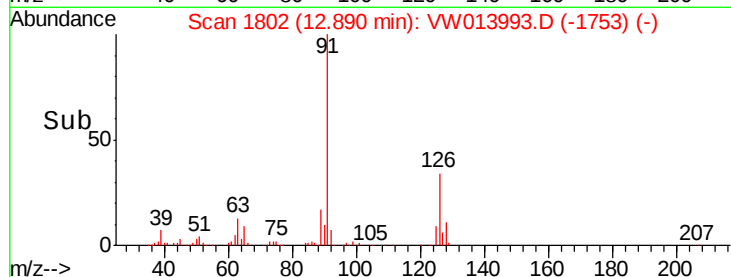
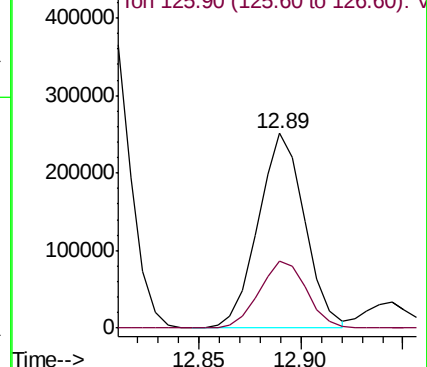
91 100

126 35.2 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: 51.132 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013993.D

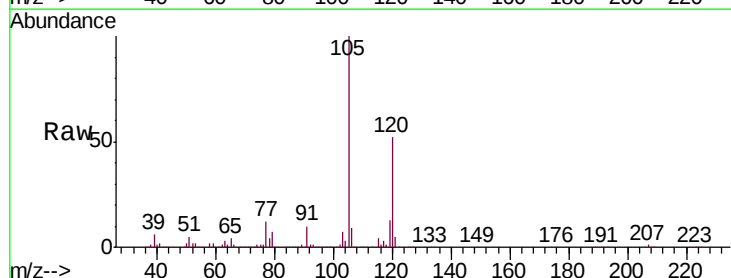
Acq: 12 Nov 2019 22:59

Tgt Ion: 105 Resp: 512829

Ion Ratio Lower Upper

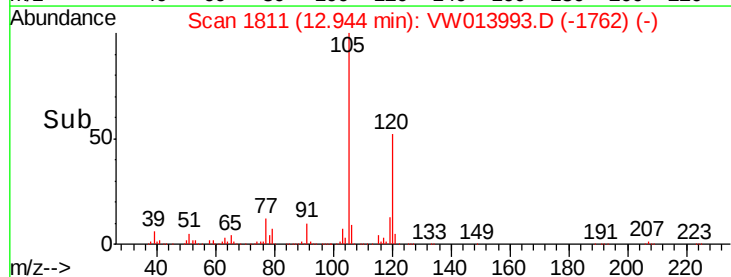
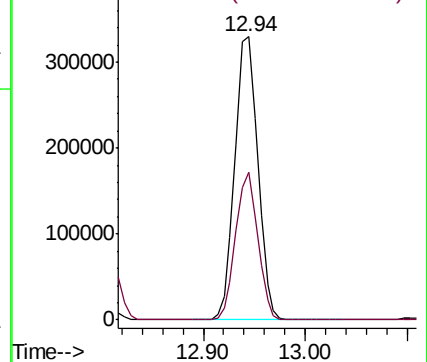
105 100

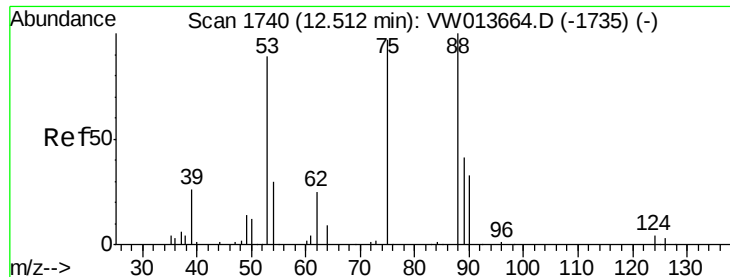
120 50.3 25.1 75.3



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: 54.224 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

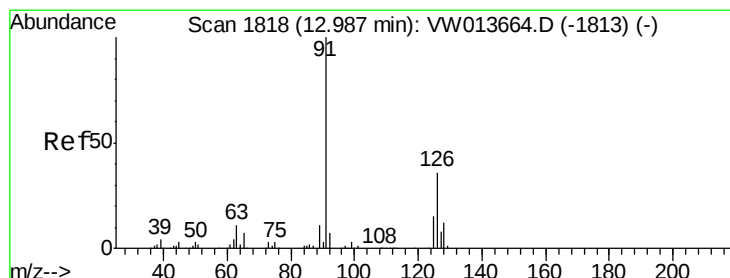
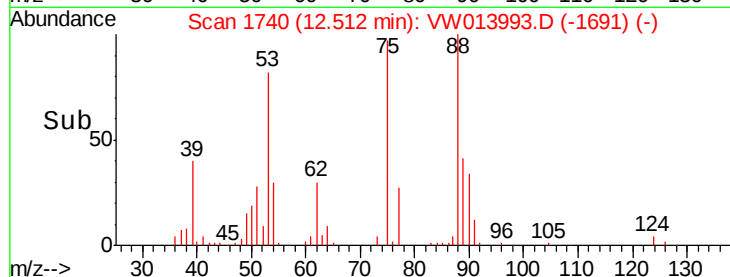
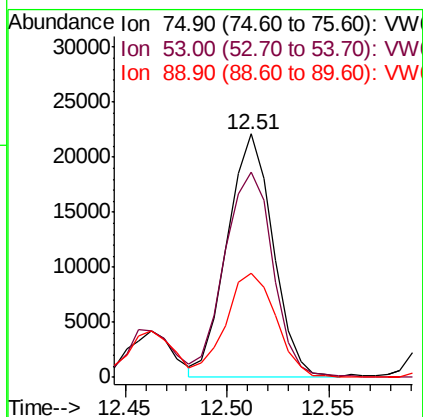
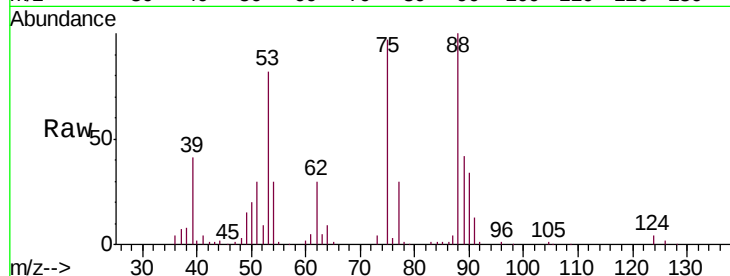
Tgt Ion: 75 Resp: 34089

Ion Ratio Lower Upper

75 100

53 90.7 71.7 107.5

89 47.4 35.8 53.8



#82

4-Chlorotoluene

Concen: 51.498 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013993.D

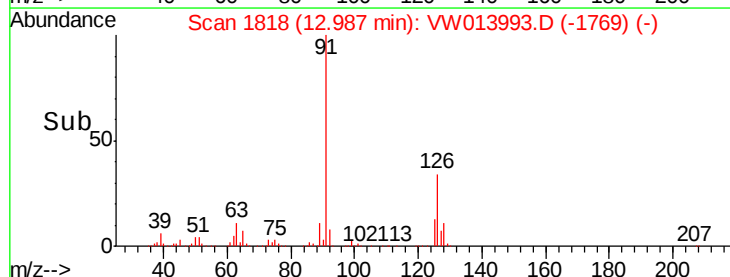
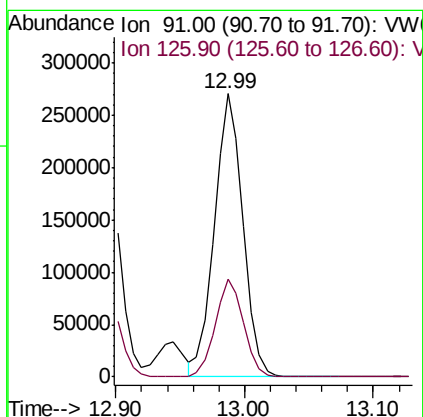
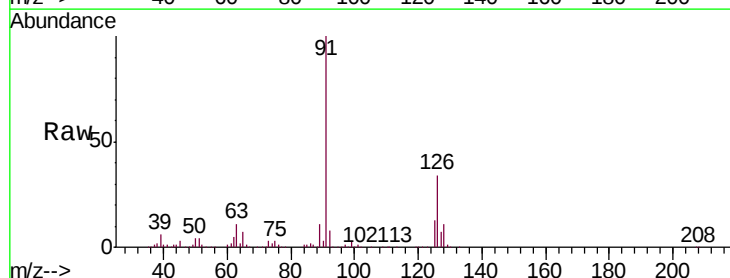
Acq: 12 Nov 2019 22:59

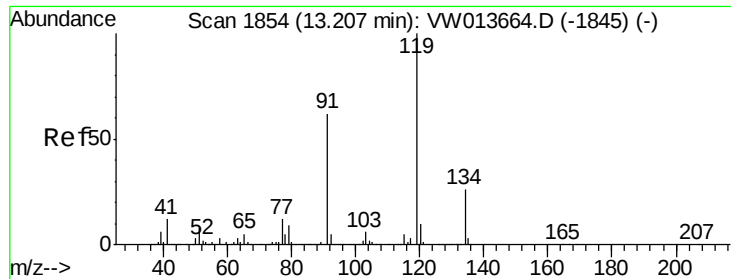
Tgt Ion: 91 Resp: 417803

Ion Ratio Lower Upper

91 100

126 34.3 17.2 51.5

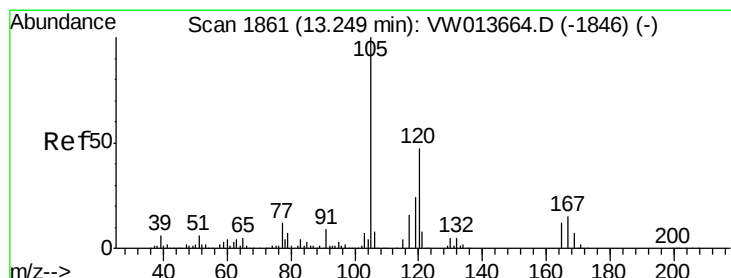
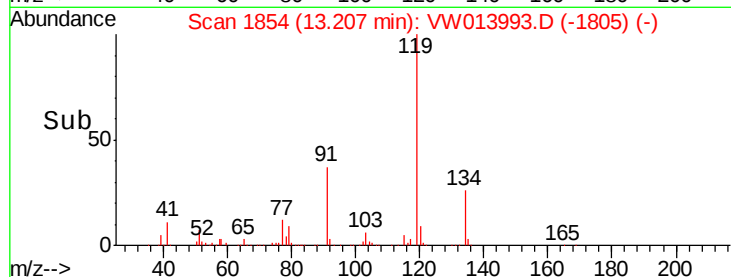
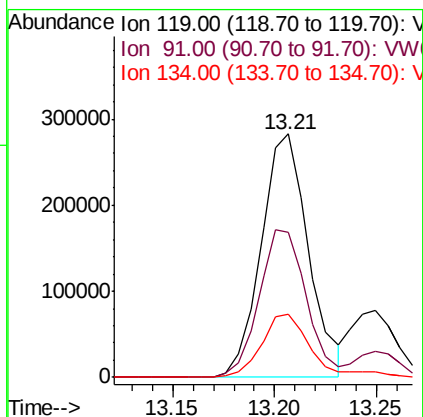
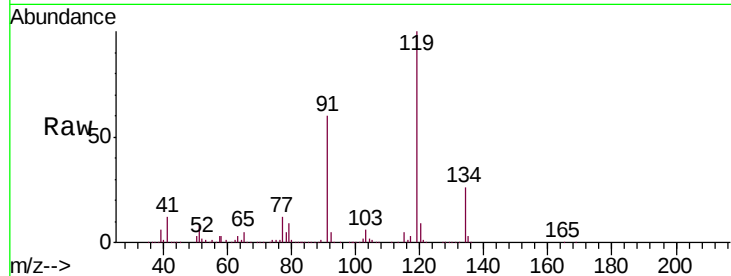




#83
tert-Butylbenzene
Concen: 51.280 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

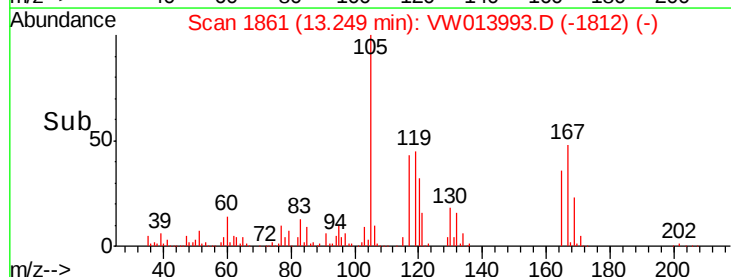
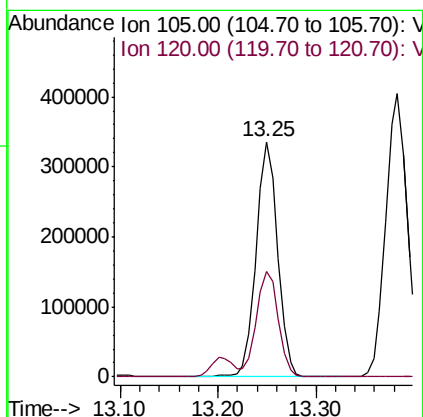
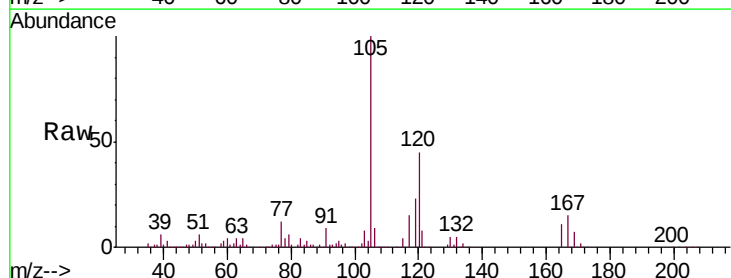
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

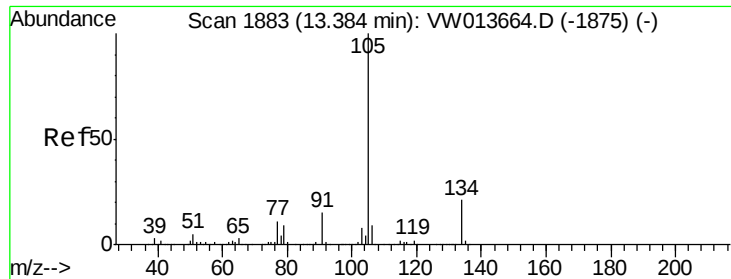
Tgt Ion:119 Resp: 456522
Ion Ratio Lower Upper
119 100
91 60.2 30.4 91.3
134 27.3 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 51.763 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion:105 Resp: 512122
Ion Ratio Lower Upper
105 100
120 45.5 23.5 70.5

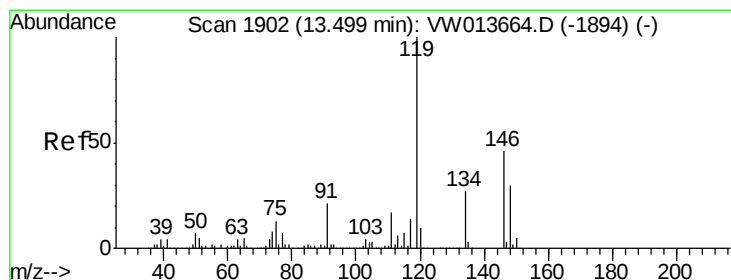
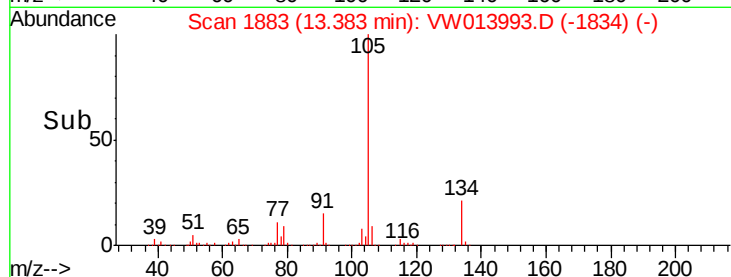
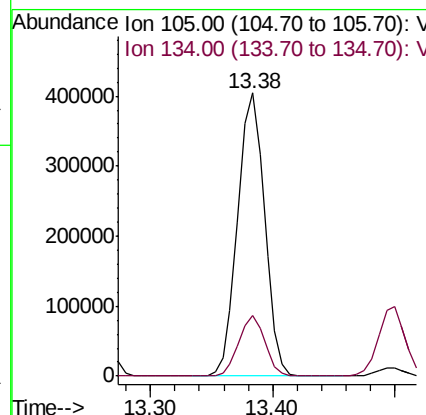
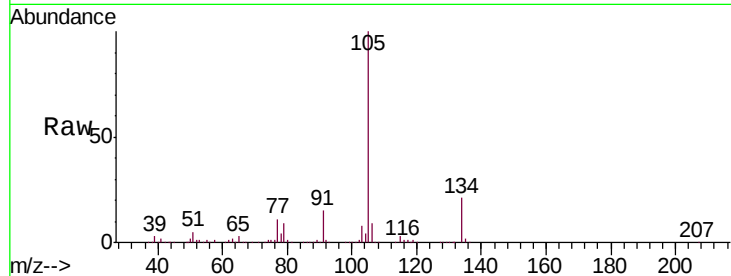




#85
 sec-Butylbenzene
 Concen: 50.716 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

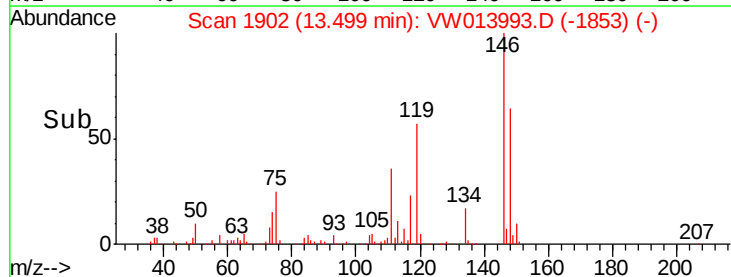
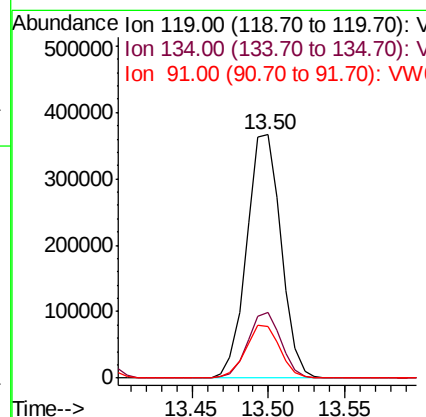
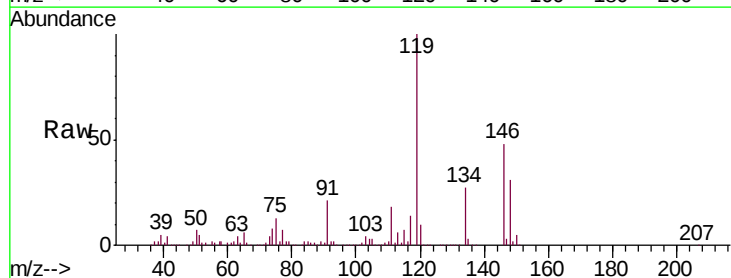
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

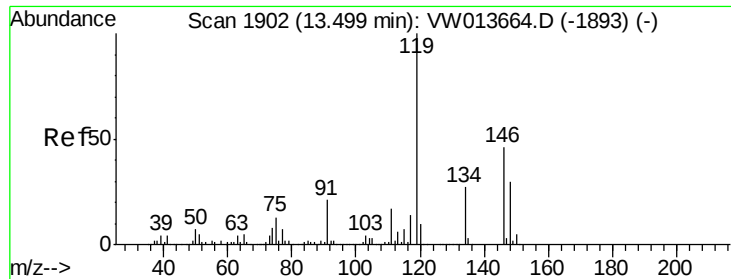
Tgt Ion:105 Resp: 617418
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 50.364 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion:119 Resp: 571143
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.4 40.1
 91 21.5 10.8 32.3

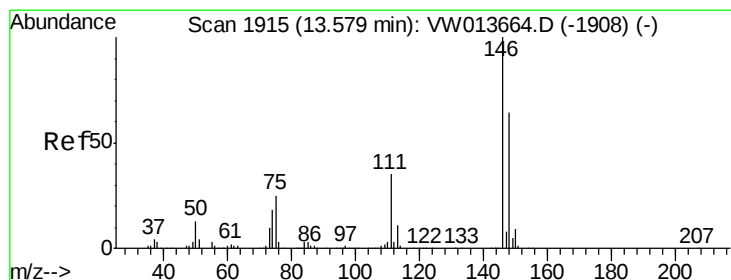
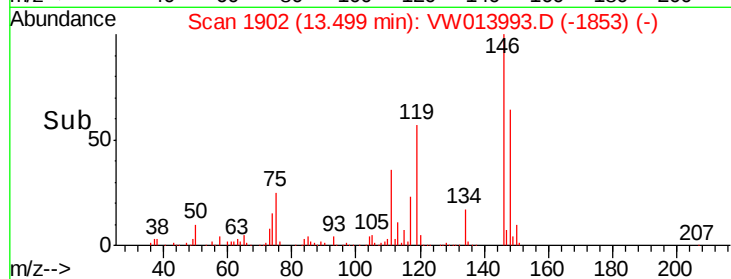
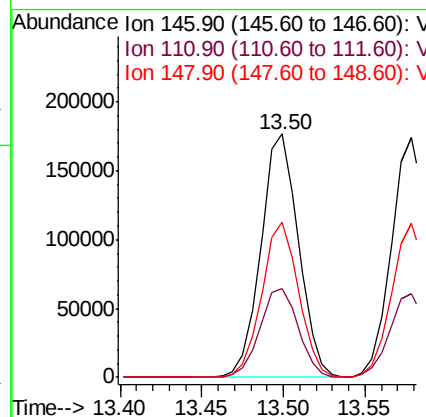
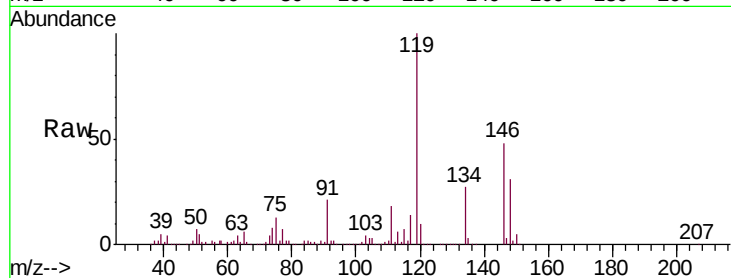




#87
 1,3-Dichlorobenzene
 Concen: 51.204 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

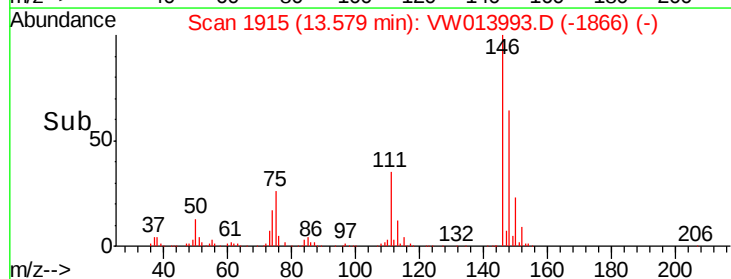
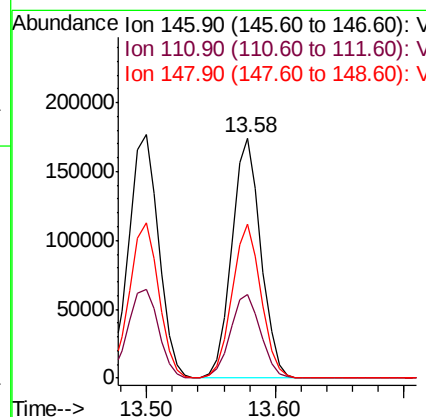
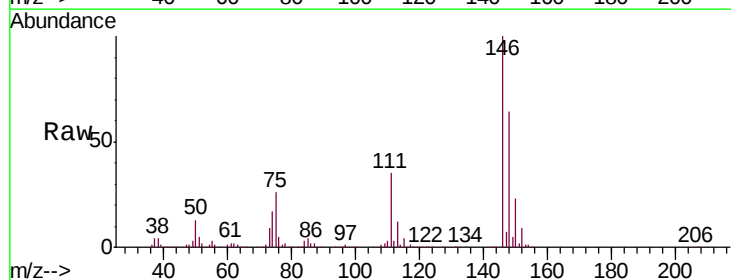
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

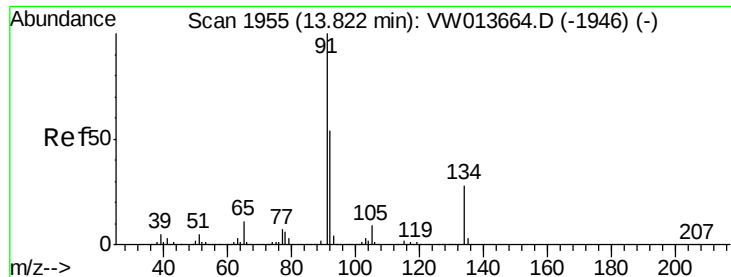
Tgt Ion:146 Resp: 281575
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 56.0
 148 62.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 50.284 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion:146 Resp: 274709
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.1 54.3
 148 64.3 32.0 96.2





#89

n-Butylbenzene

Concen: 49.187 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

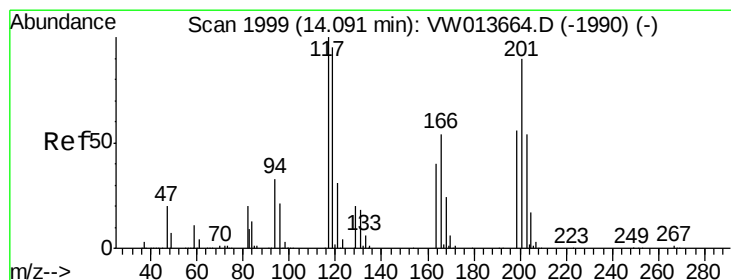
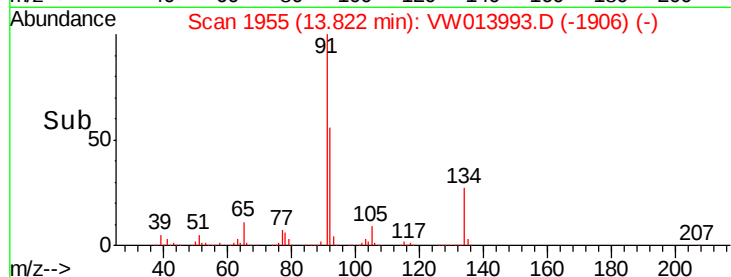
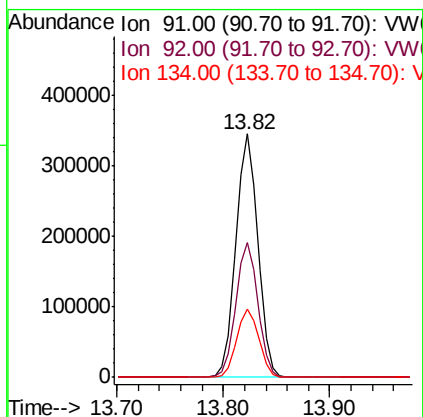
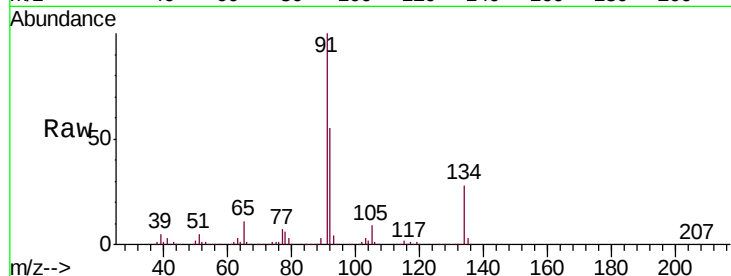
Tgt Ion: 91 Resp: 503482

Ion Ratio Lower Upper

91 100

92 55.1 27.5 82.4

134 28.3 14.0 41.9



#90

Hexachloroethane

Concen: 49.924 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013993.D

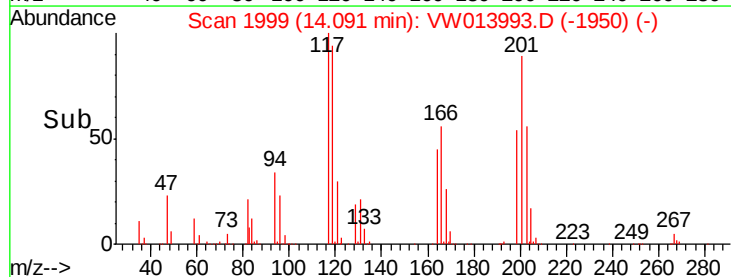
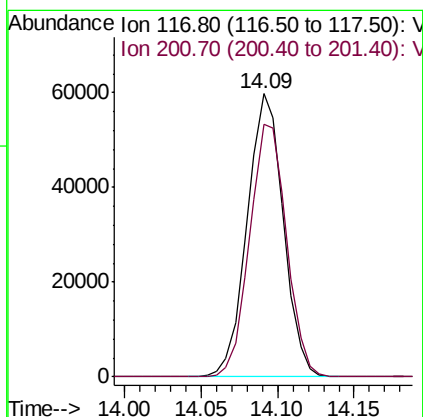
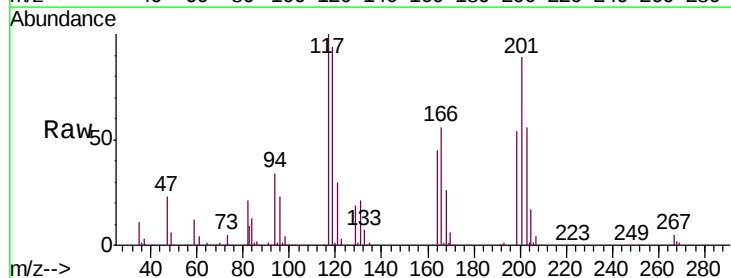
Acq: 12 Nov 2019 22:59

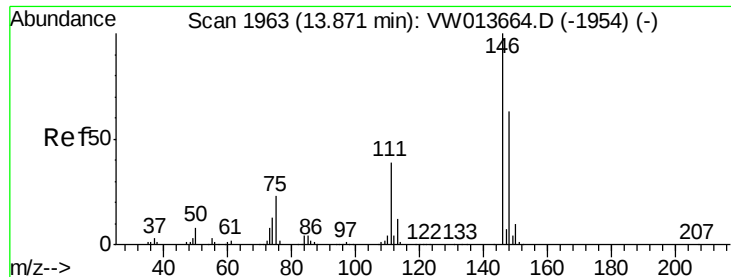
Tgt Ion: 117 Resp: 98406

Ion Ratio Lower Upper

117 100

201 90.9 46.1 138.2

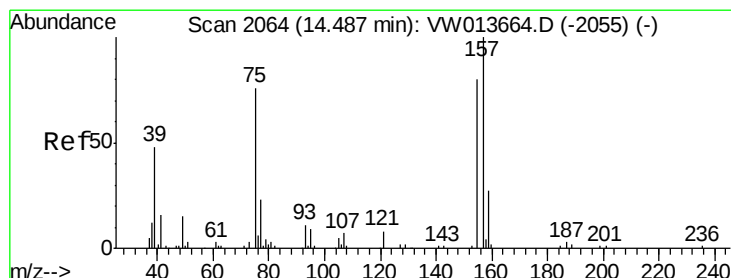
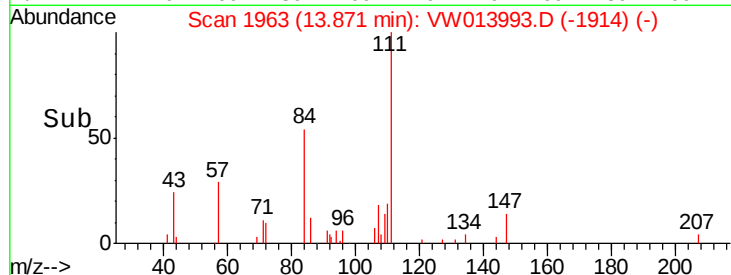
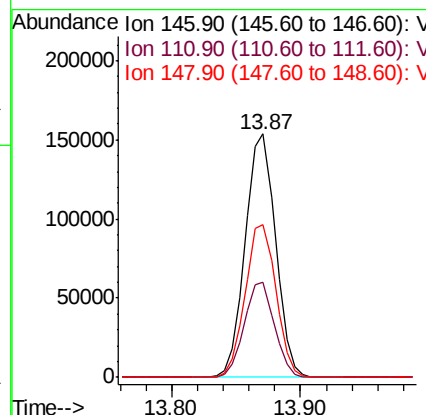
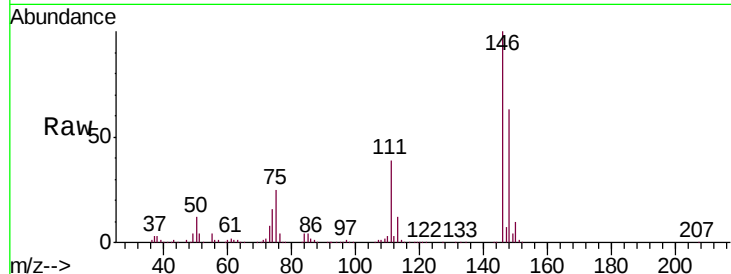




#91
1,2-Dichlorobenzene
Concen: 52.400 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

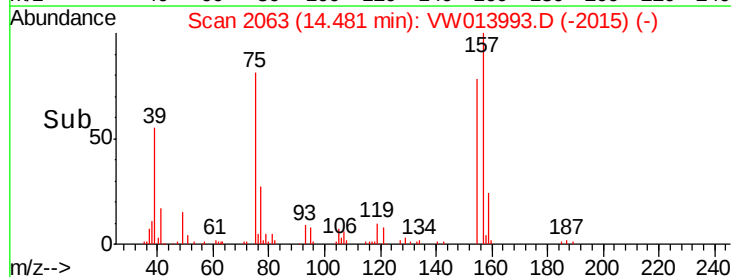
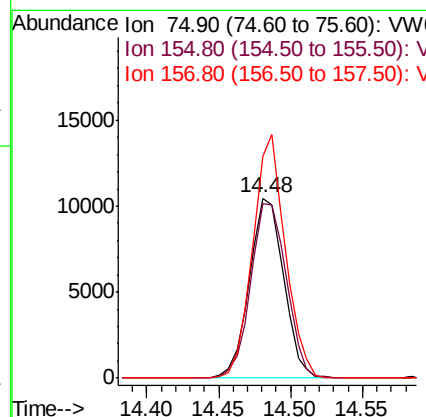
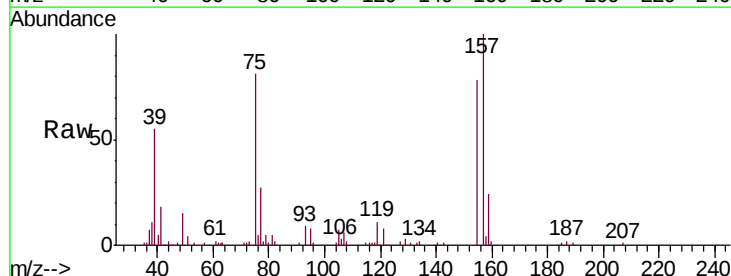
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

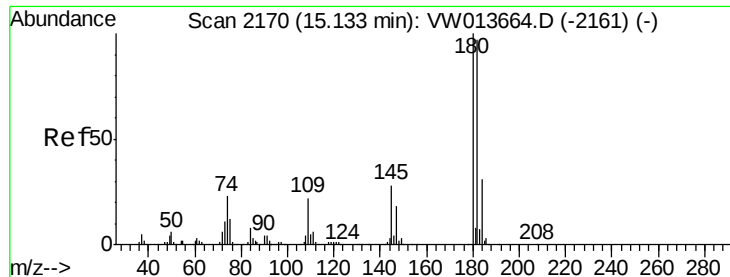
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.6
148	63.6	31.9	95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 60.608 ug/l
RT: 14.48 min Scan# 2063
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	51.9	155.7
157	128.3	64.8	194.3

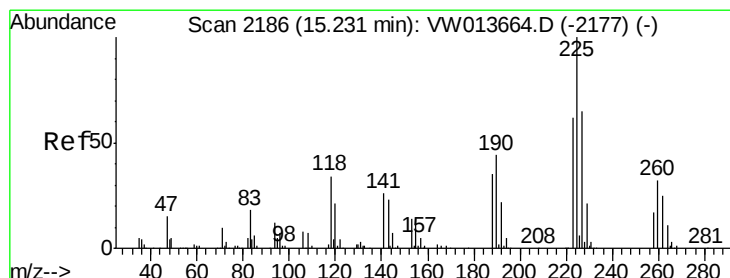
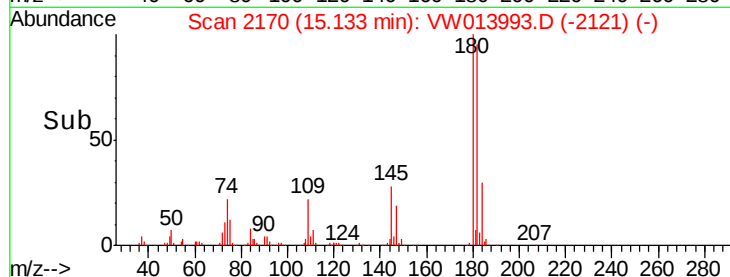
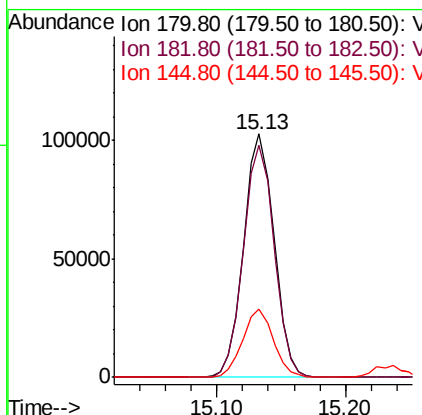
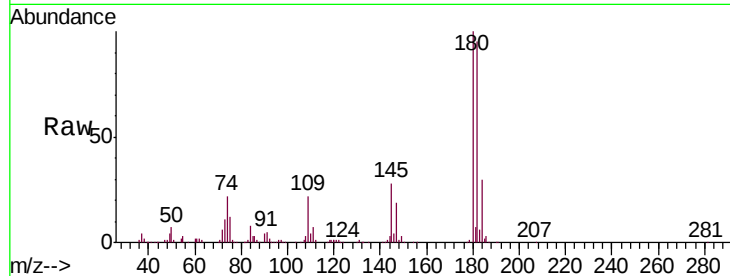




#93
 1,2,4-Trichlorobenzene
 Concen: 48.312 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

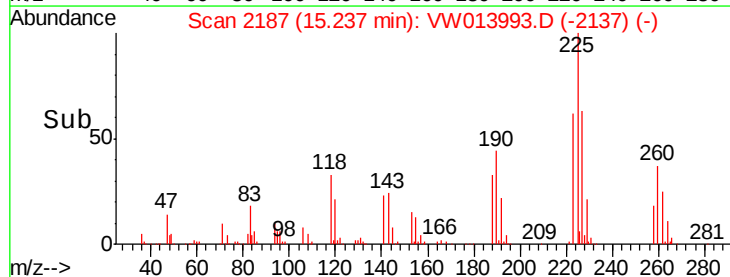
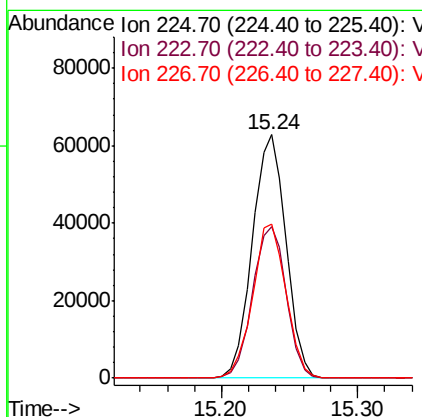
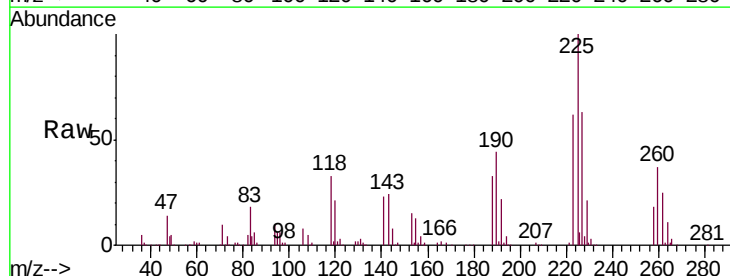
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

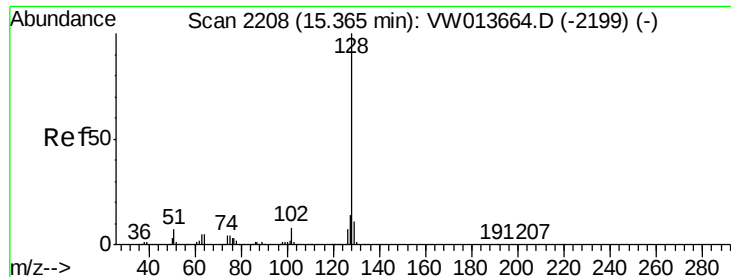
Tgt Ion:180 Resp: 167643
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.4 142.2
 145 28.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 46.501 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion:225 Resp: 108932
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.9 95.9
 227 62.9 32.5 97.4

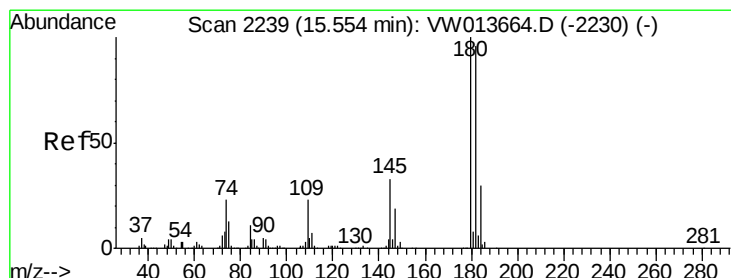
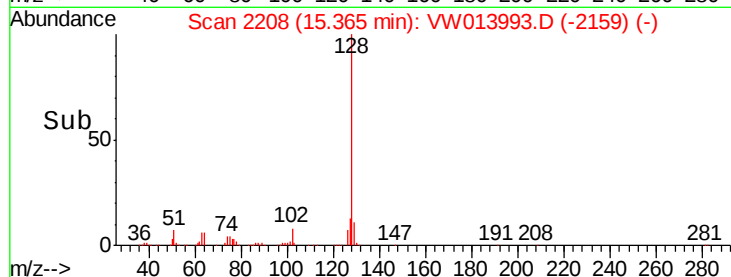
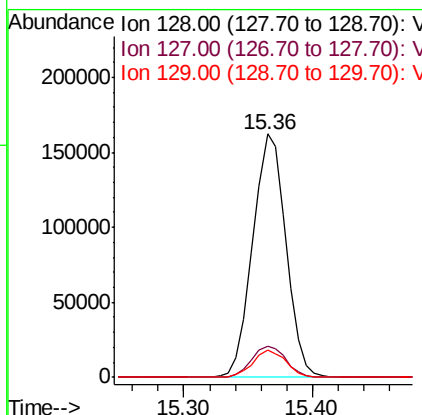
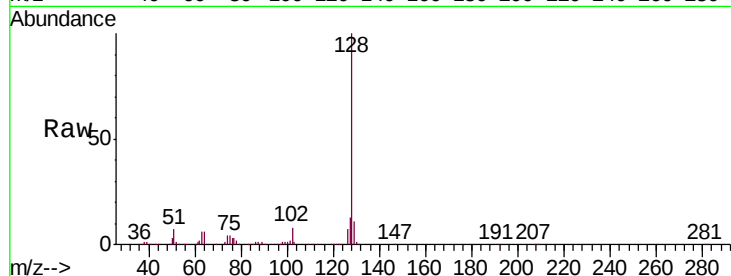




#95
Naphthalene
Concen: 52.939 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 288018
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.118 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion:180 Resp: 146864
Ion Ratio Lower Upper
180 100
182 95.7 47.4 142.3
145 30.2 14.9 44.9

