

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014757.D
 Acq On : 24 Jan 2020 20:53
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 25 06:11:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 13:12:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	630945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	985911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	855941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	418369	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	330659	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	7.88	113	296443	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.32	98	1232480	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.62	95	417511	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	218289	55.877	ug/l	97
3) Chloromethane	2.21	50	265913	47.819	ug/l	100
4) Vinyl Chloride	2.36	62	434019	51.383	ug/l	100
5) Bromomethane	2.78	94	241537	51.327	ug/l	98
6) Chloroethane	2.92	64	246802	52.728	ug/l	99
7) Trichlorofluoromethane	3.26	101	212267	52.345	ug/l	99
8) Diethyl Ether	3.68	74	177860	55.642	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	328107	51.157	ug/l	100
10) Methyl Iodide	4.27	142	466980	52.613	ug/l	99
11) Tert butyl alcohol	5.15	59	122731	281.072	ug/l	98
12) 1,1-Dichloroethene	4.04	96	337413	51.855	ug/l	98
13) Acrolein	3.89	56	150955	310.281	ug/l	100
14) Allyl chloride	4.66	41	568982	53.240	ug/l	99
15) Acrylonitrile	5.36	53	458498	302.214	ug/l	100
16) Acetone	4.11	43	372013	243.585	ug/l	98
17) Carbon Disulfide	4.39	76	1074546	51.794	ug/l	99
18) Methyl Acetate	4.67	43	212221	62.071	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	482053	59.190	ug/l	100
20) Methylene Chloride	4.91	84	358498	54.943	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	359684	52.130	ug/l	98
22) Diisopropyl ether	6.31	45	1087116	55.386	ug/l	100
23) Vinyl Acetate	6.25	43	3401305	292.303	ug/l	99
24) 1,1-Dichloroethane	6.21	63	648640	52.629	ug/l	99
25) 2-Butanone	7.17	43	583486	290.272	ug/l	99
26) 2,2-Dichloropropane	7.16	77	327892	47.739	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	376723	53.342	ug/l	100
28) Bromochloromethane	7.51	49	278065	58.485	ug/l	98
29) Tetrahydrofuran	7.52	42	395983	311.420	ug/l	99
30) Chloroform	7.67	83	593762	52.171	ug/l	96
31) Cyclohexane	7.95	56	642466	50.800	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	478568	51.788	ug/l	100
36) 1,1-Dichloropropene	8.08	75	506410	50.653	ug/l	100
37) Ethyl Acetate	7.25	43	269934	60.746	ug/l	99
38) Carbon Tetrachloride	8.07	117	431657	49.575	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	625473	51.991	ug/l	98
40) Benzene	8.32	78	1420698	50.886	ug/l	99
41) Methacrylonitrile	7.48	41	145918	60.012	ug/l	97
42) 1,2-Dichloroethane	8.40	62	394109	52.531	ug/l	100
43) Isopropyl Acetate	8.42	43	467780	58.148	ug/l	99
44) Trichloroethene	9.09	130	361427	50.731	ug/l	100
45) 1,2-Dichloropropane	9.37	63	360644	52.069	ug/l	100
46) Dibromomethane	9.46	93	176017	53.621	ug/l	98
47) Bromodichloromethane	9.64	83	441431	52.553	ug/l	99
48) Methyl methacrylate	9.43	41	238686	62.950	ug/l	93
49) 1,4-Dioxane	9.44	88	68042	1144.424	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1259728	300.744	ug/l	99
52) Toluene	10.38	92	876592	51.428	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	445142	53.228	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	539428	52.656	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	252733	53.793	ug/l	98
56) Ethyl methacrylate	10.64	69	356186	58.825	ug/l	96
57) 1,3-Dichloropropane	10.93	76	456832	54.234	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	582556	299.240	ug/l	99
59) 2-Hexanone	10.96	43	866163	306.864	ug/l	99
60) Dibromochloromethane	11.13	129	279131	53.160	ug/l	98
61) 1,2-Dibromoethane	11.23	107	235884	53.667	ug/l	99
64) Tetrachloroethene	10.86	164	308772	52.092	ug/l	95
65) Chlorobenzene	11.65	112	867655	50.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	302192	51.523	ug/l	100
67) Ethyl Benzene	11.73	91	1638426	51.930	ug/l	100
68) m/p-Xylenes	11.84	106	1240734	104.030	ug/l	100
69) o-Xylene	12.16	106	568280	52.797	ug/l	100
70) Styrene	12.18	104	984747	53.223	ug/l	99
71) Bromoform	12.35	173	164814	54.848	ug/l #	100
73) Isopropylbenzene	12.46	105	1568279	52.827	ug/l	98
74) N-amyl acetate	12.27	43	419824	59.376	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	304513	56.197	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	389387	93.743	ug/l #	1
77) Bromobenzene	12.74	156	357570	52.381	ug/l	97
78) n-propylbenzene	12.80	91	1886230	52.158	ug/l	100
79) 2-Chlorotoluene	12.89	91	1055450	51.542	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1313649	52.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	97573	55.594	ug/l	99
82) 4-Chlorotoluene	12.99	91	1097256	51.244	ug/l	100
83) tert-Butylbenzene	13.21	119	1143941	52.356	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1317156	52.193	ug/l	99
85) sec-Butylbenzene	13.38	105	1606180	52.204	ug/l	100
86) p-Isopropyltoluene	13.49	119	1445707	51.871	ug/l	100
87) 1,3-Dichlorobenzene	13.49	146	690437	50.967	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	682374	51.103	ug/l	99
89) n-Butylbenzene	13.82	91	1375255	51.729	ug/l	100
90) Hexachloroethane	14.09	117	252591	51.077	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	616123	51.854	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	50077	57.036	ug/l	98

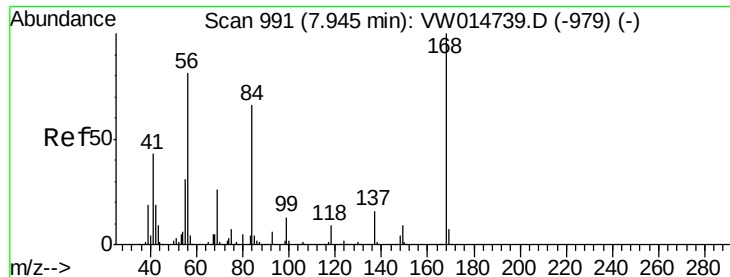
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	408887	54.130	ug/l	99
94) Hexachlorobutadiene	15.23	225	256331	49.741	ug/l	98
95) Naphthalene	15.36	128	773786	55.102	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	353223	54.626	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

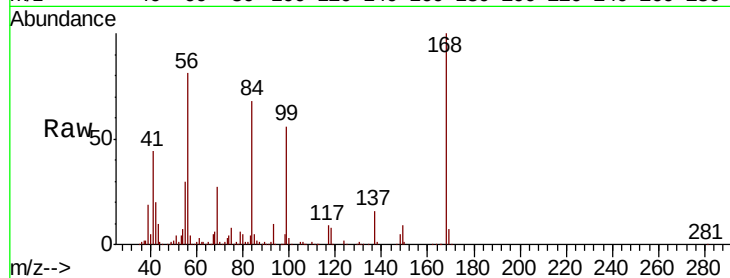
VSTDCCC050EC

Tot Ion:168 Resp: 630945

Ion Ratio Lower Upper

168 100

99 56.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

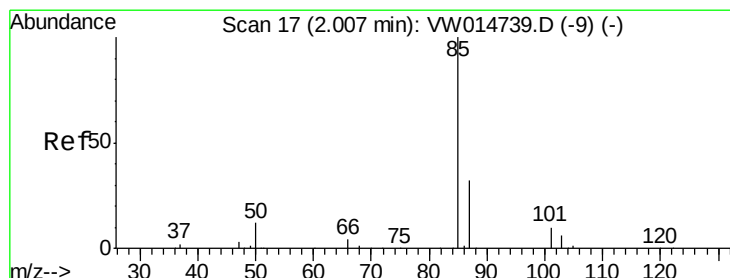
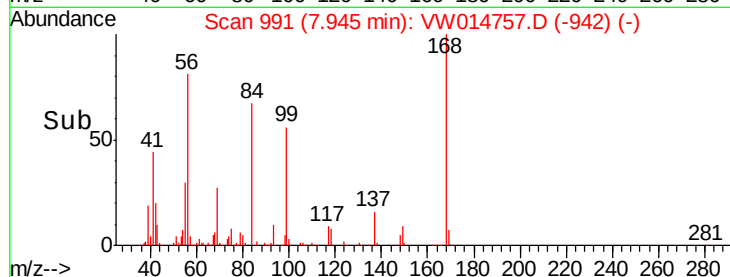
200000

100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 55.877 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014757.D

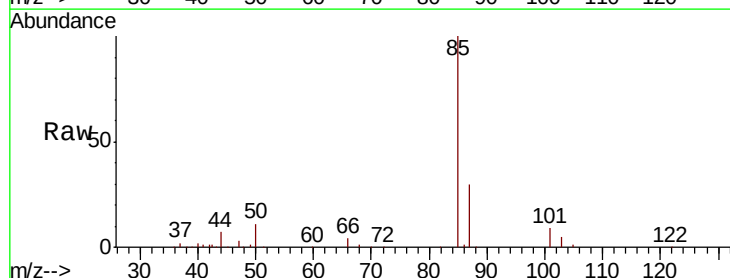
Acq: 24 Jan 2020 20:53

Tgt Ion: 85 Resp: 218289

Ion Ratio Lower Upper

85 100

87 30.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80000

60000

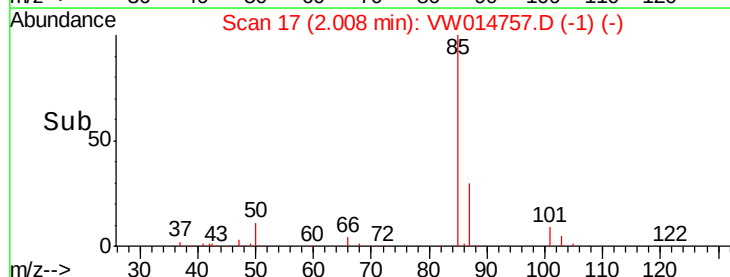
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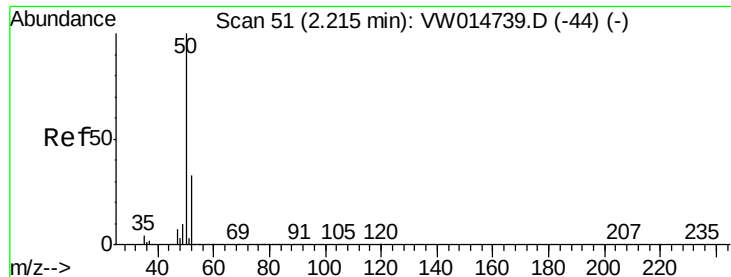
20000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 47.819 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

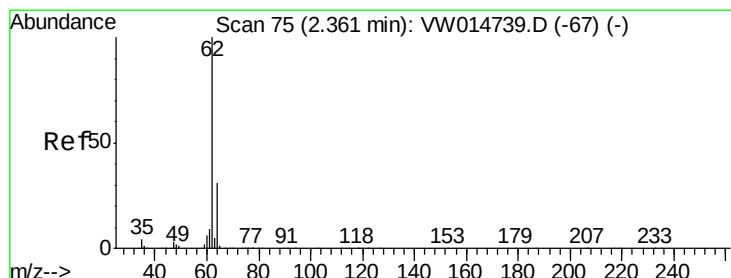
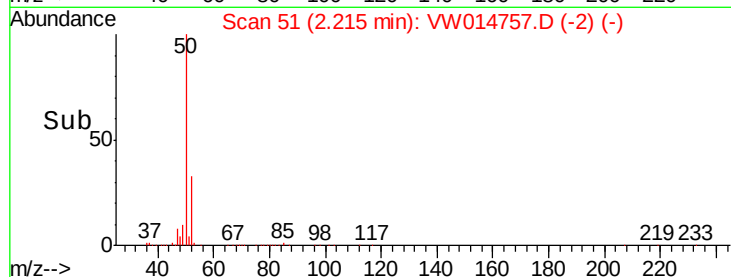
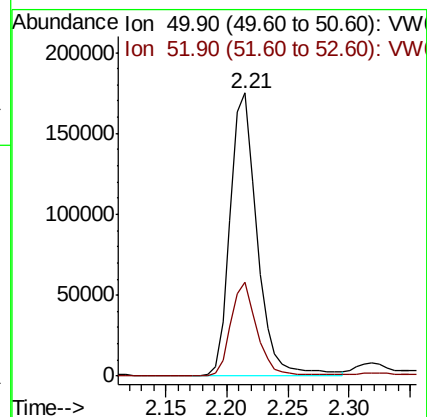
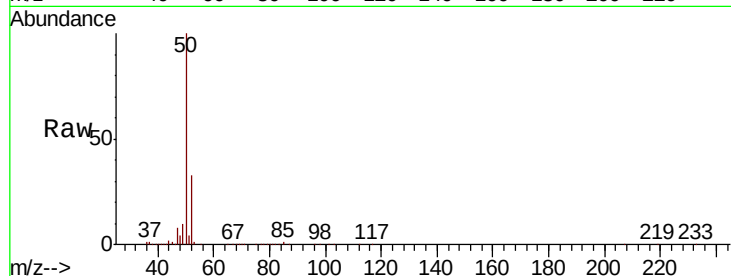
VSTDCCC050EC

Tot Ion: 50 Resp: 265913

Ion Ratio Lower Upper

50 100

52 33.2 26.7 40.1



#4

Vinyl Chloride

Concen: 51.383 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014757.D

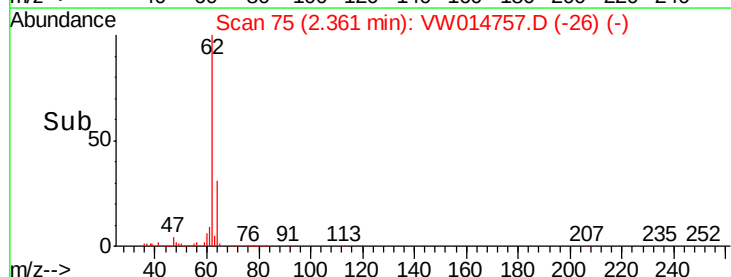
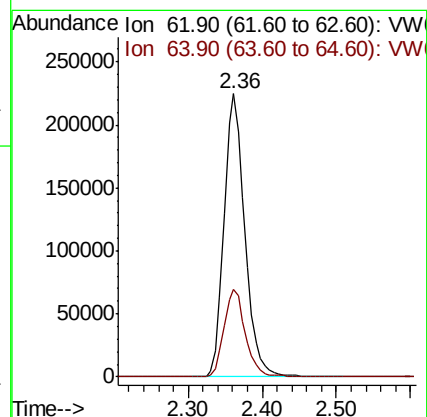
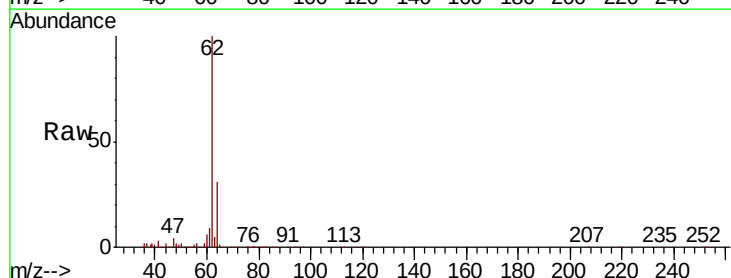
Acq: 24 Jan 2020 20:53

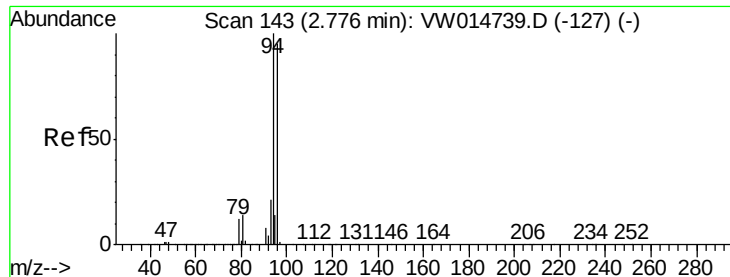
Tgt Ion: 62 Resp: 434019

Ion Ratio Lower Upper

62 100

64 30.7 24.7 37.1





#5

Bromomethane

Concen: 51.327 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

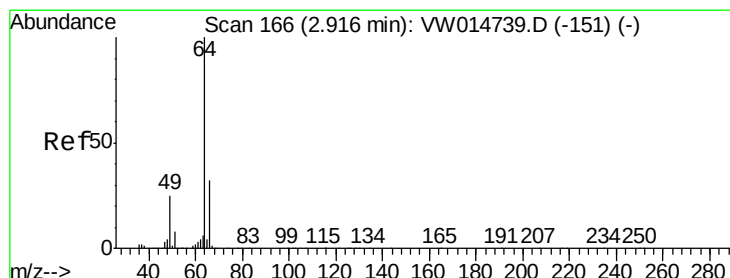
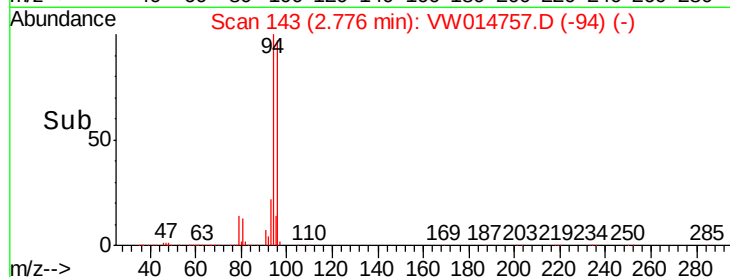
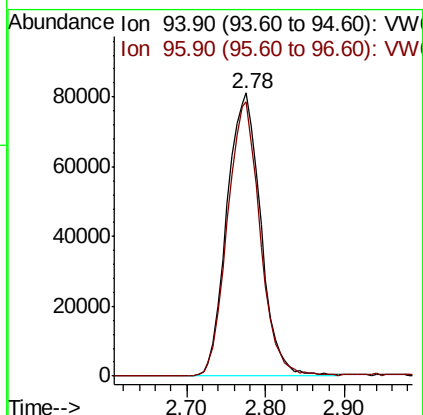
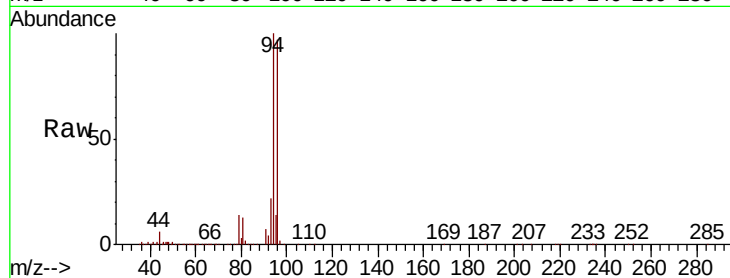
VSTDCCC050EC

Tot Ion: 94 Resp: 241537

Ion Ratio Lower Upper

94 100

96 97.0 76.2 114.4



#6

Chloroethane

Concen: 52.728 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014757.D

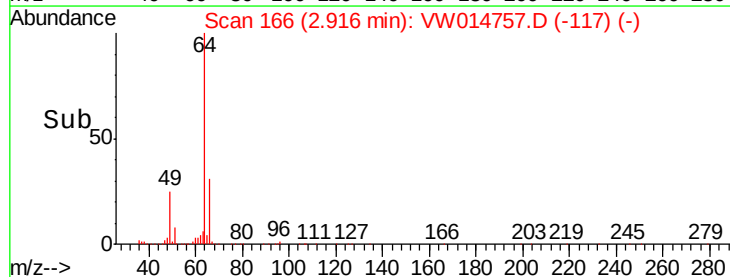
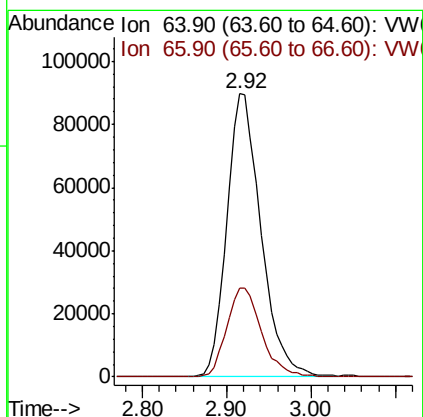
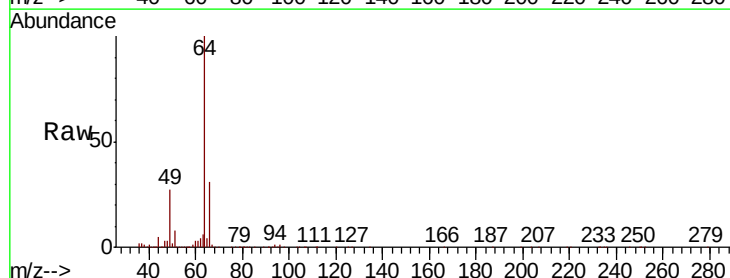
Acq: 24 Jan 2020 20:53

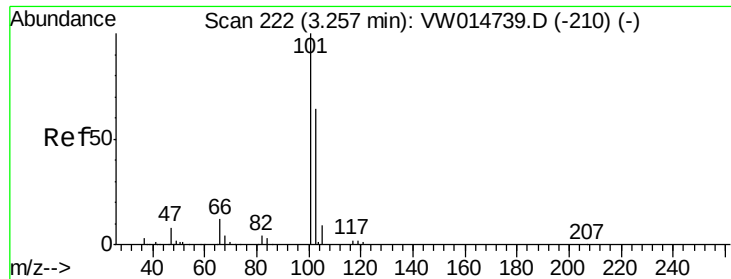
Tgt Ion: 64 Resp: 246802

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



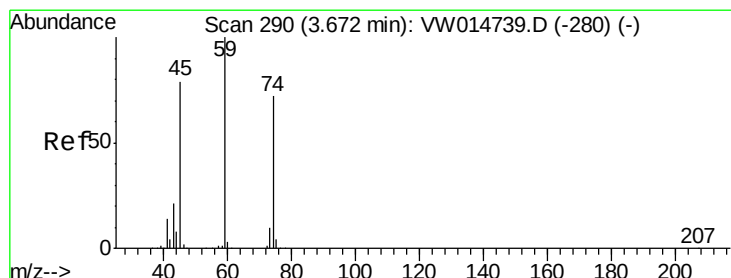
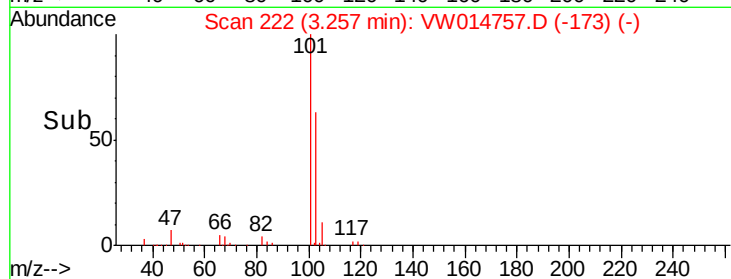
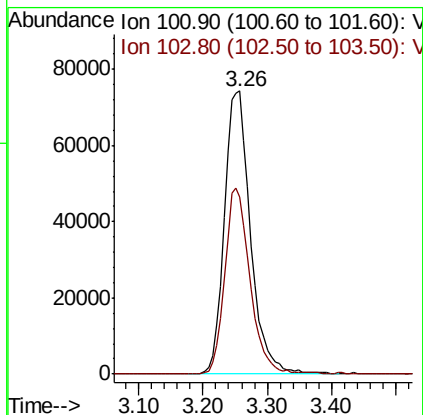
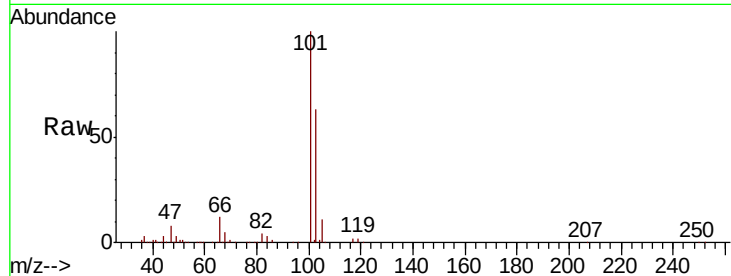


#7

Trichlorofluoromethane
 Concen: 52.345 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW014757.D
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 VSTDCCC050EC

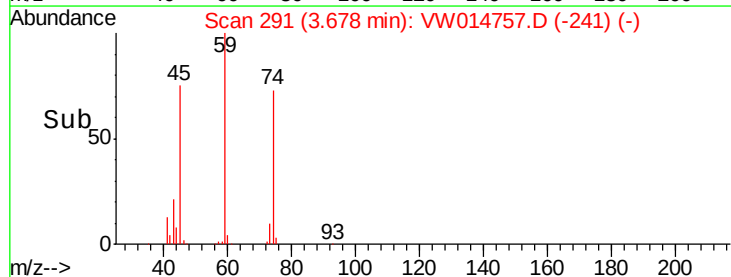
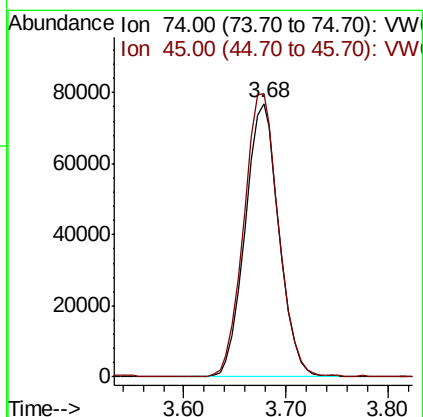
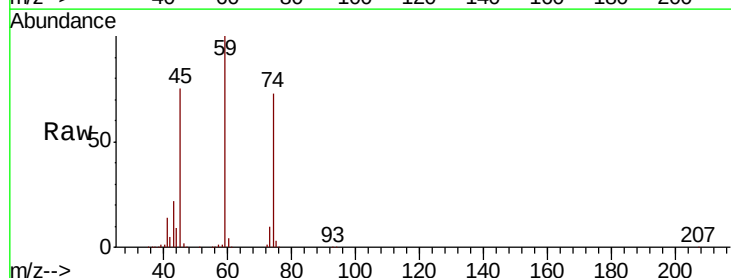
Tot Ion:101 Resp: 212267
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.8 76.2

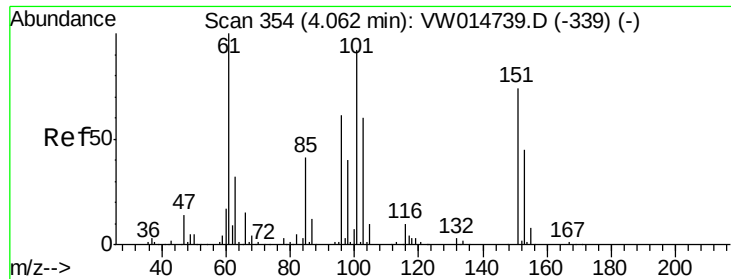


#8

Diethyl Ether
 Concen: 55.642 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Tgt Ion: 74 Resp: 177860
 Ion Ratio Lower Upper
 74 100
 45 105.9 52.7 158.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.157 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

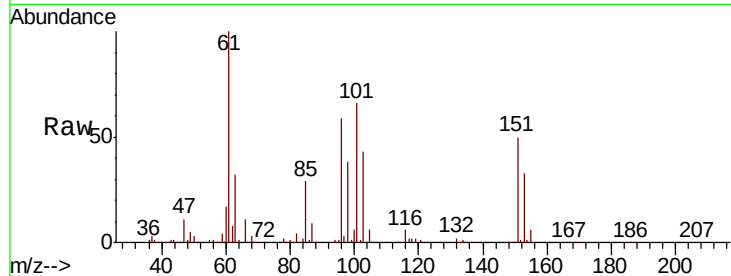
Tot Ion:101 Resp: 328107

Ion Ratio Lower Upper

101 100

85 43.1 34.4 51.6

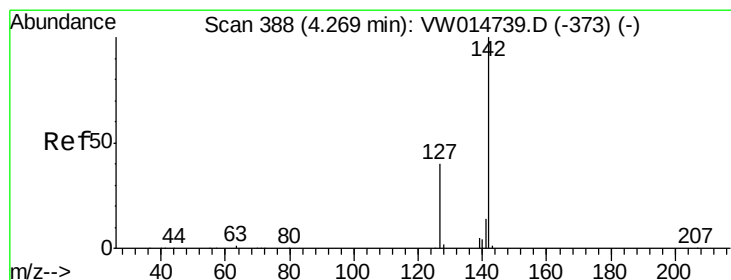
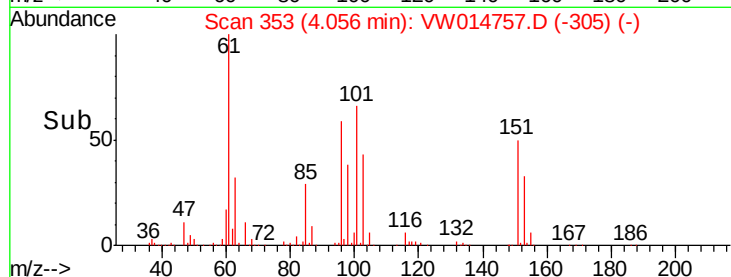
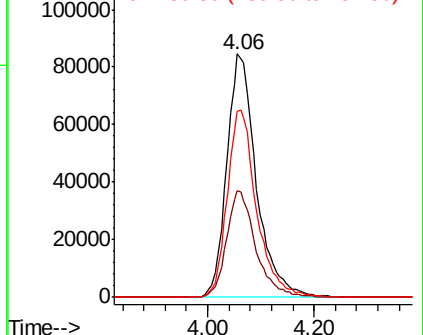
151 76.6 61.5 92.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.613 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

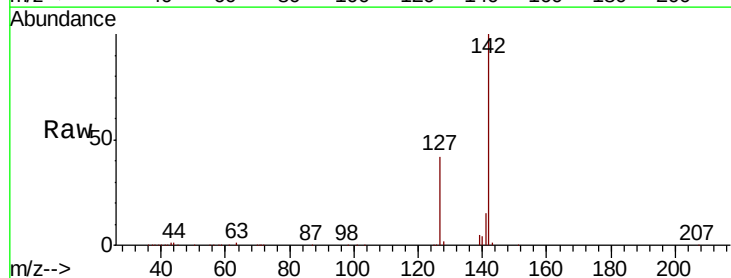
Tgt Ion:142 Resp: 466980

Ion Ratio Lower Upper

142 100

127 40.8 33.2 49.8

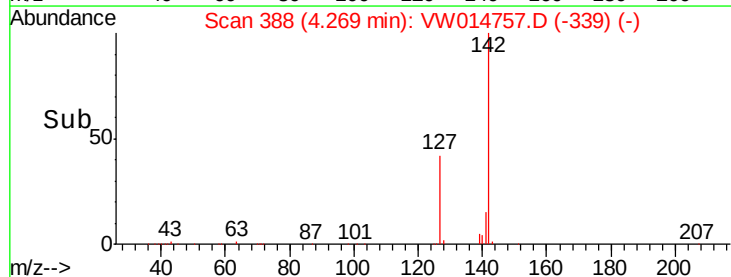
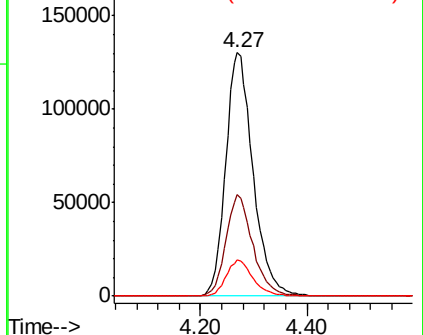
141 14.5 11.8 17.6

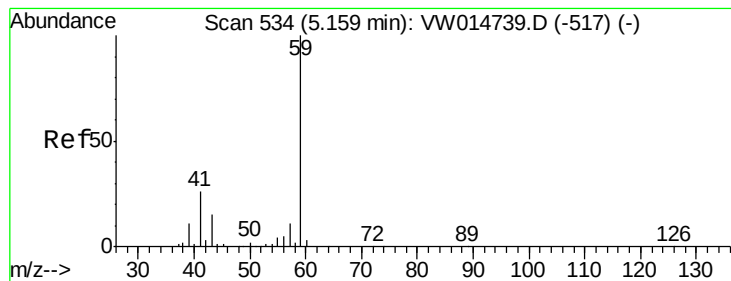


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



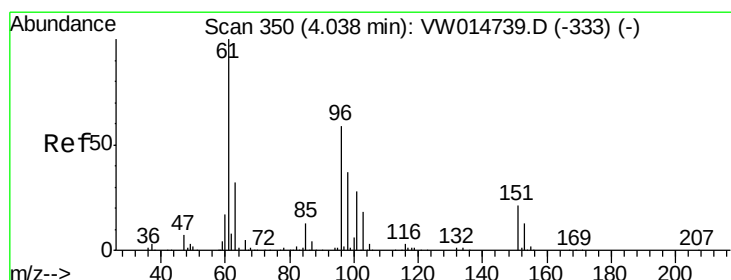
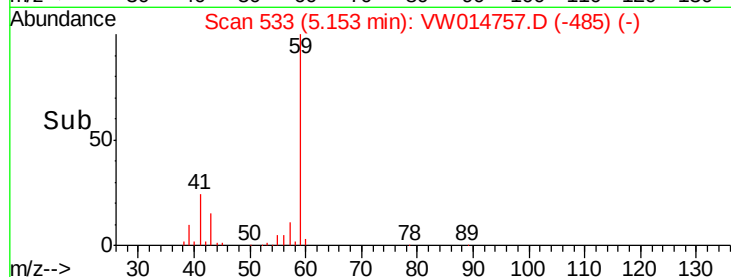
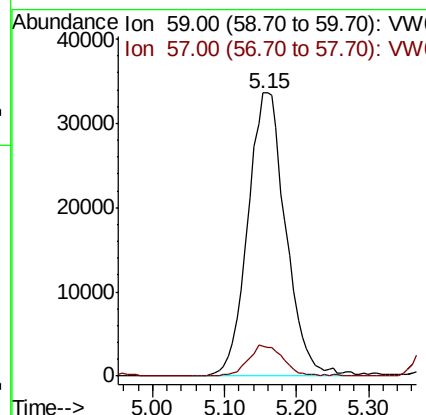
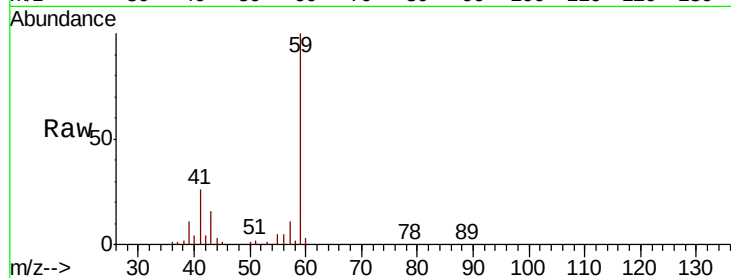


#11

Tert butyl alcohol
 Concen: 281.072 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

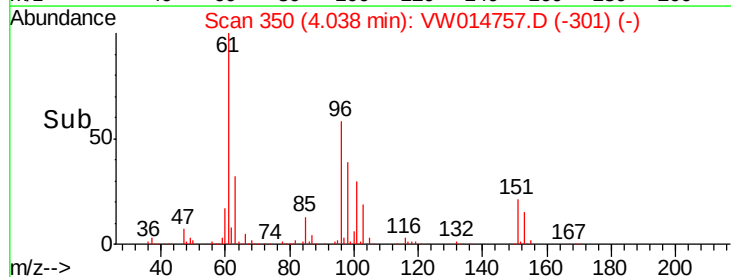
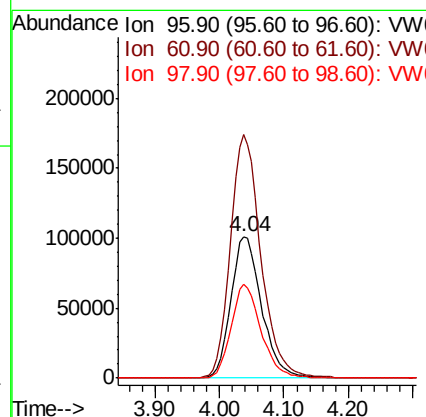
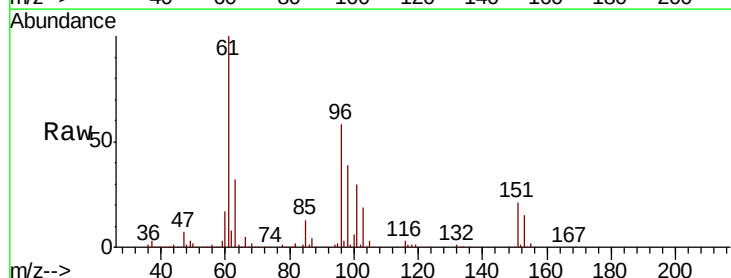
Tot Ion: 59 Resp: 122731
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.6 12.8

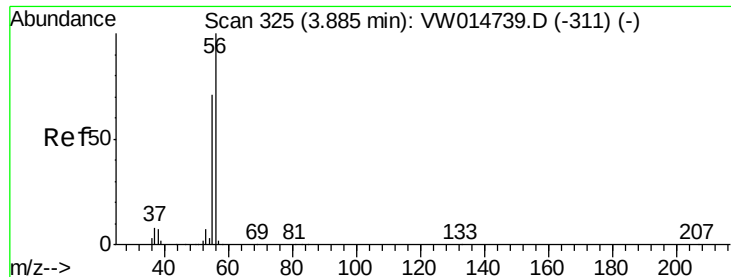


#12

1,1-Dichloroethene
 Concen: 51.855 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Tgt Ion: 96 Resp: 337413
 Ion Ratio Lower Upper
 96 100
 61 172.0 136.3 204.5
 98 66.2 51.0 76.6





#13

Acrolein

Concen: 310.281 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

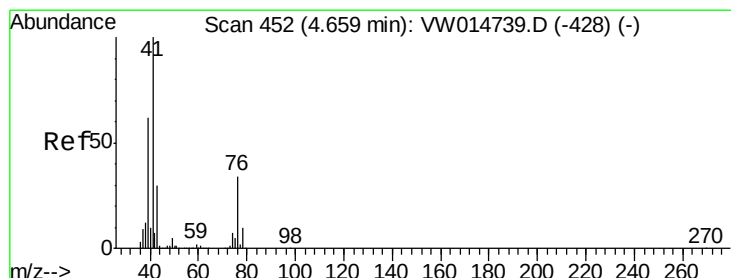
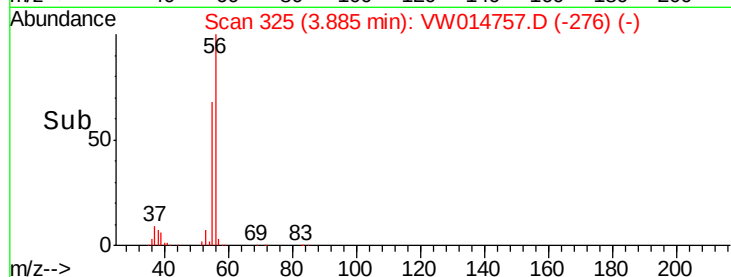
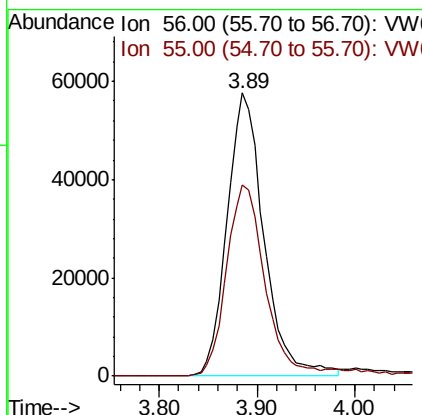
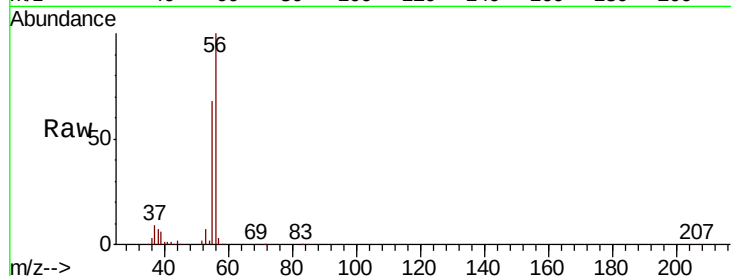
VSTDCCC050EC

Tot Ion: 56 Resp: 150955

Ion Ratio Lower Upper

56 100

55 69.5 55.7 83.5



#14

Allyl chloride

Concen: 53.240 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

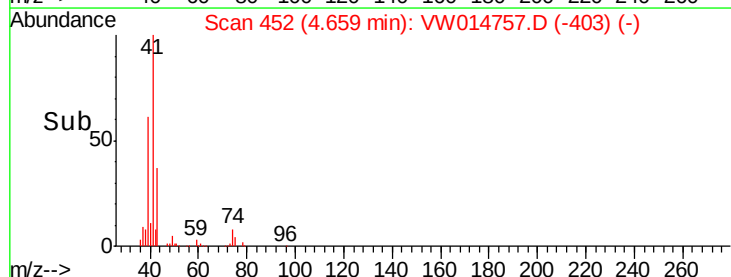
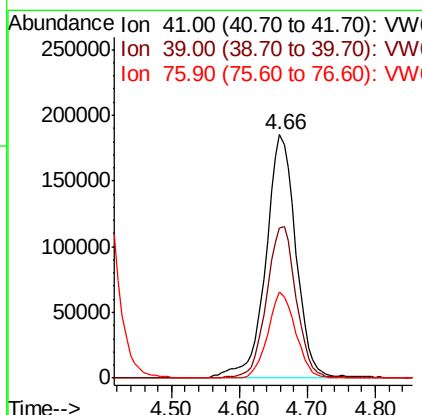
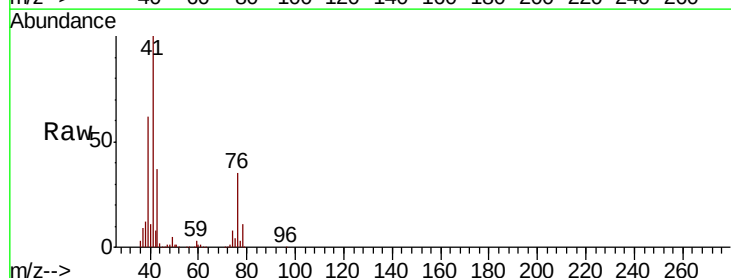
Tgt Ion: 41 Resp: 568982

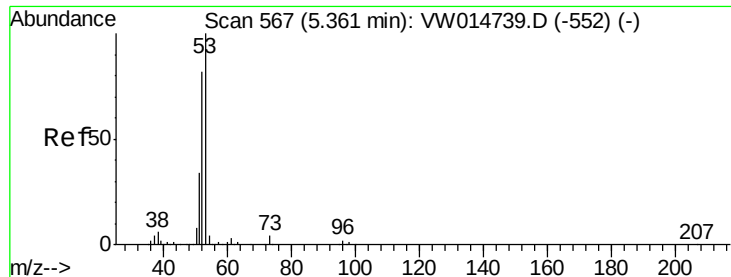
Ion Ratio Lower Upper

41 100

39 61.9 50.0 75.0

76 32.6 26.7 40.1





#15

Acrylonitrile

Concen: 302.214 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

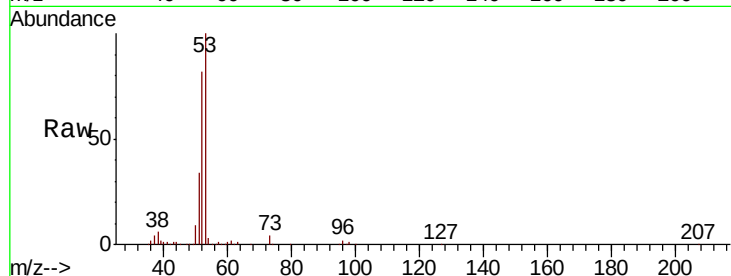
Tot Ion: 53 Resp: 458498

Ion Ratio Lower Upper

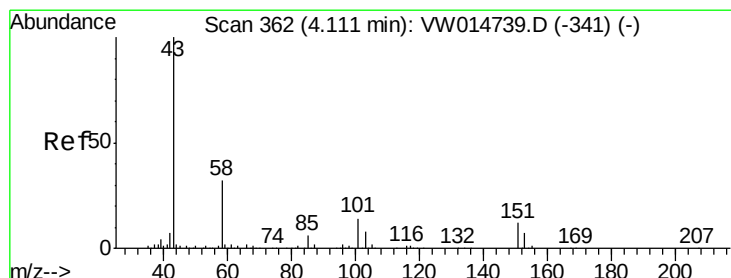
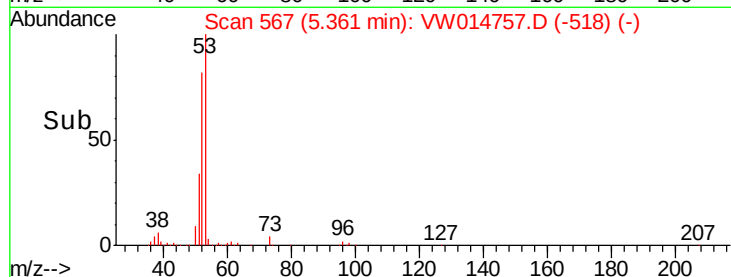
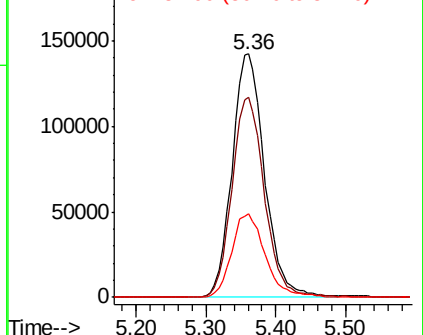
53 100

52 82.2 66.0 99.0

51 35.5 28.6 43.0



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



#16

Acetone

Concen: 243.585 ug/l

RT: 4.11 min Scan# 362

Delta R.T. 0.00 min

Lab File: VW014757.D

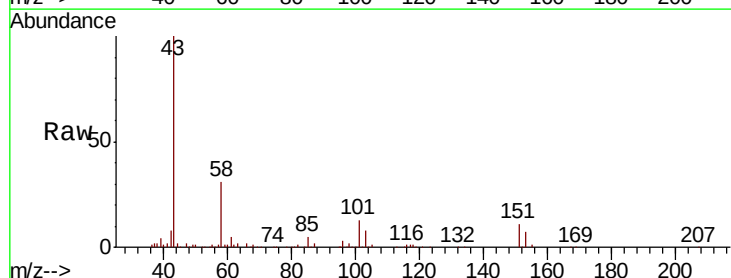
Acq: 24 Jan 2020 20:53

Tgt Ion: 43 Resp: 372013

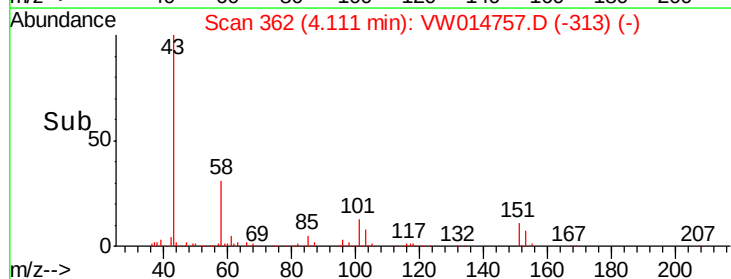
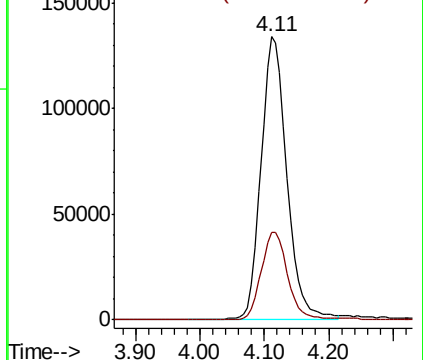
Ion Ratio Lower Upper

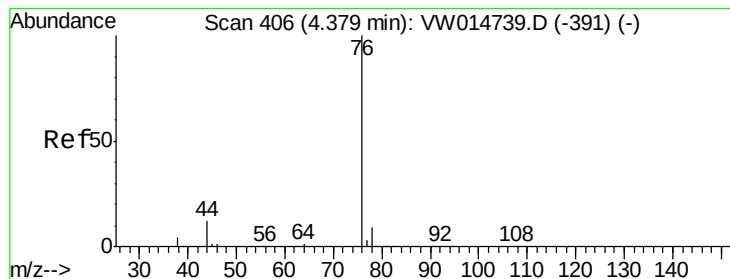
43 100

58 30.9 25.6 38.4



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





#17

Carbon Disulfide

Concen: 51.794 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

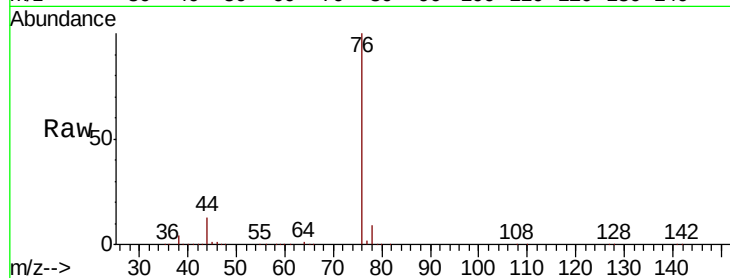
VSTDCCC050EC

Tot Ion: 76 Resp: 1074546

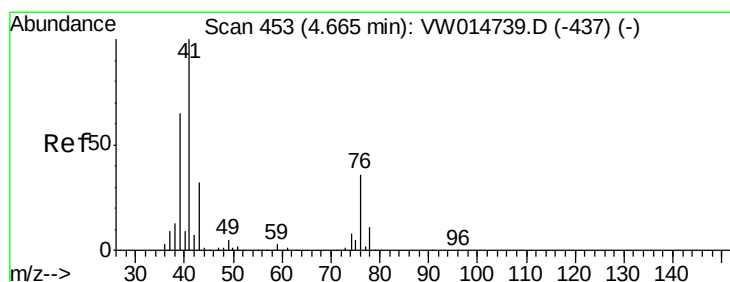
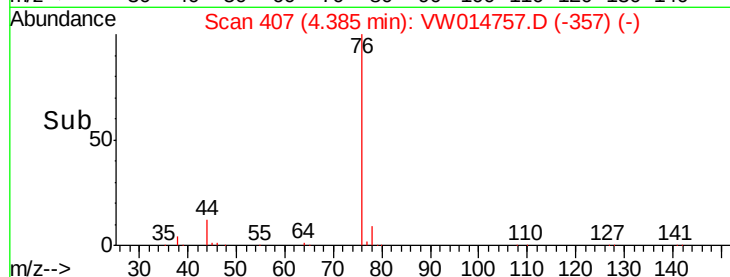
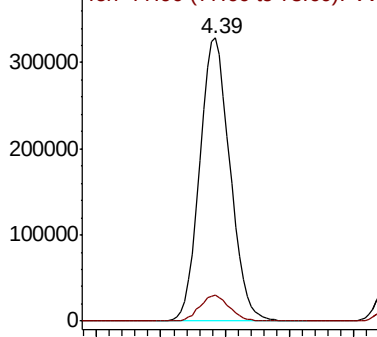
Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 62.071 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014757.D

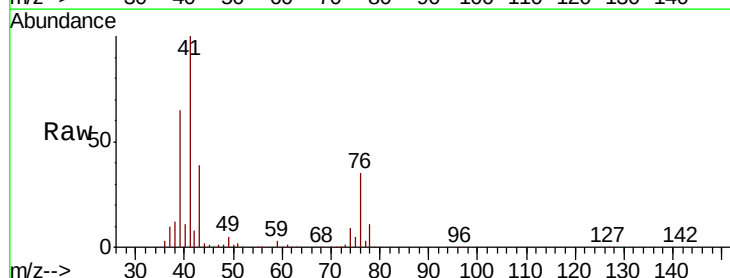
Acq: 24 Jan 2020 20:53

Tgt Ion: 43 Resp: 212221

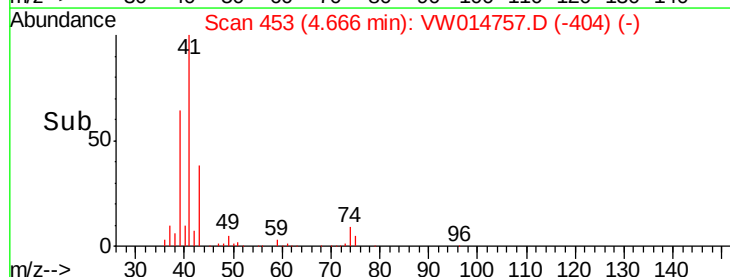
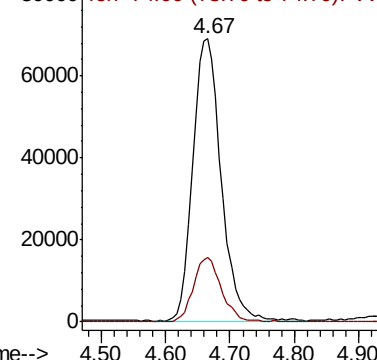
Ion Ratio Lower Upper

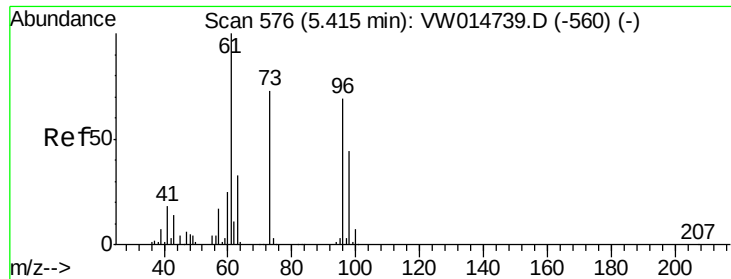
43 100

74 22.6 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

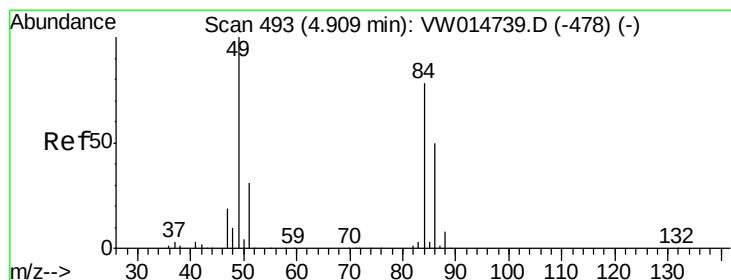
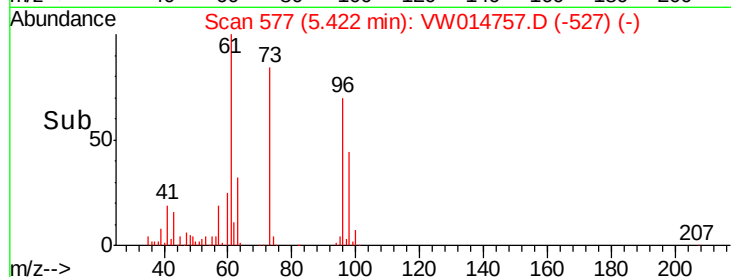
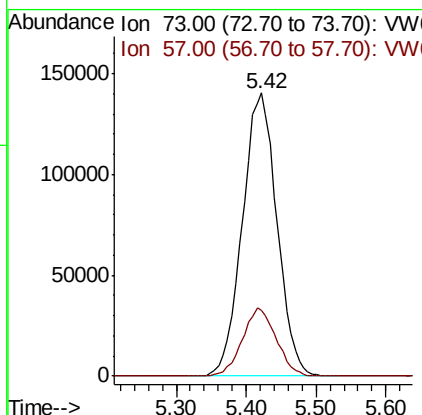
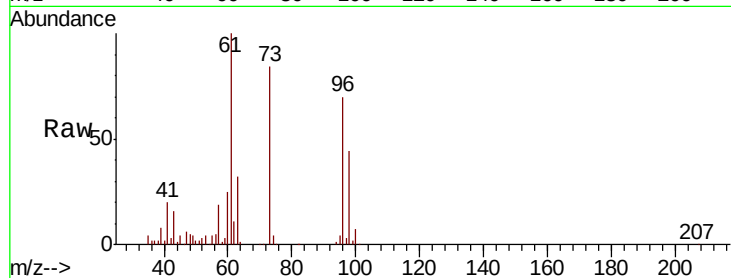




#19
Methyl tert-butyl Ether
Concen: 59.190 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

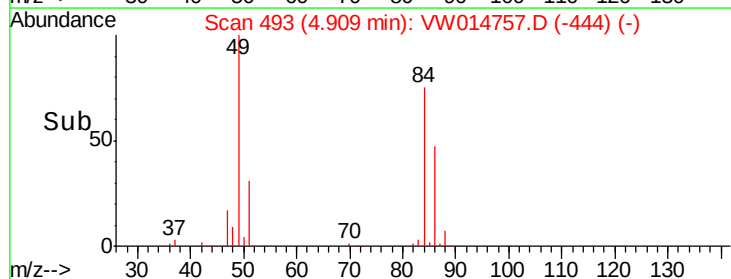
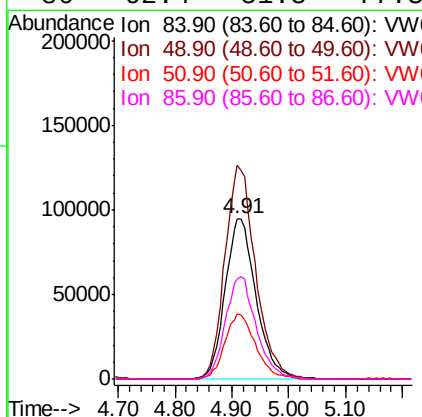
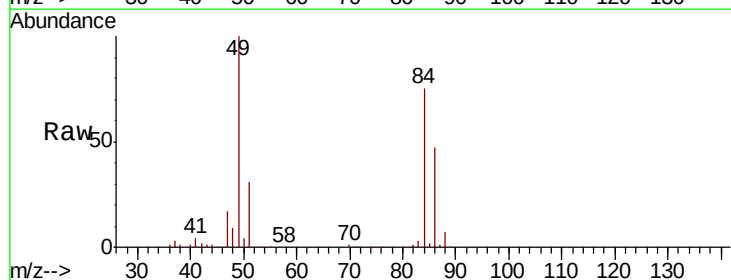
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

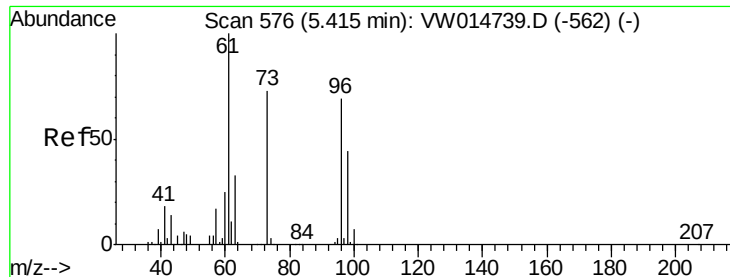
Tot Ion: 73 Resp: 482053
Ion Ratio Lower Upper
73 100
57 23.2 18.5 27.7



#20
Methylene Chloride
Concen: 54.943 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion: 84 Resp: 358498
Ion Ratio Lower Upper
84 100
49 133.2 103.1 154.7
51 40.9 32.1 48.1
86 62.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 52.130 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

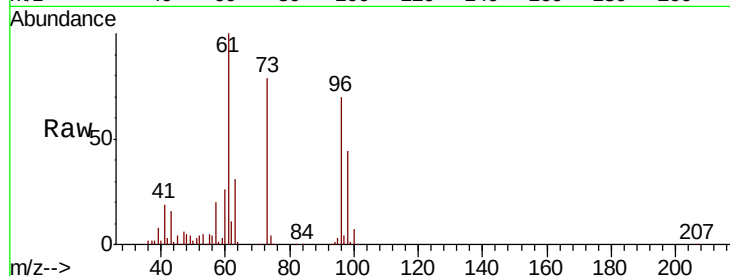
Tot Ion: 96 Resp: 359684

Ion Ratio Lower Upper

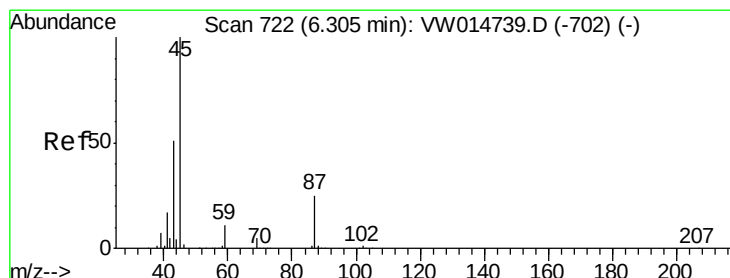
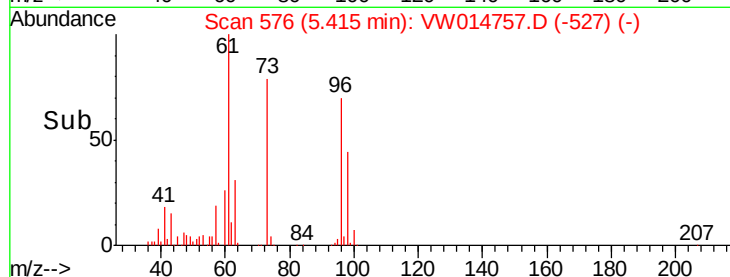
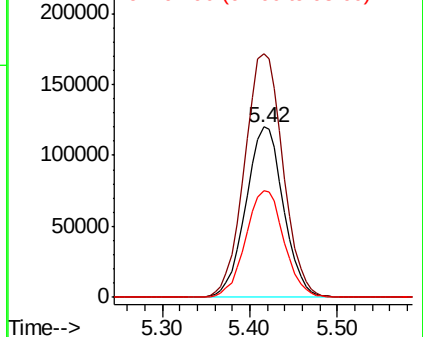
96 100

61 142.9 116.1 174.1

98 62.8 51.6 77.4



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: 55.386 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Tgt Ion: 45 Resp: 1087116

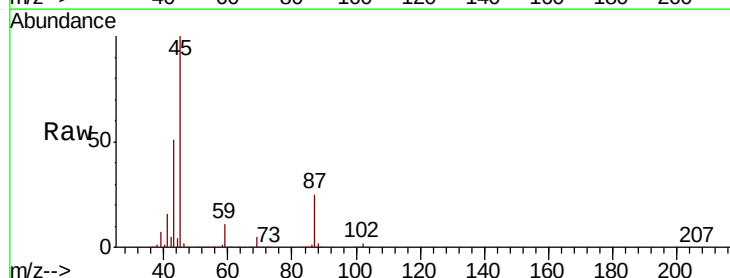
Ion Ratio Lower Upper

45 100

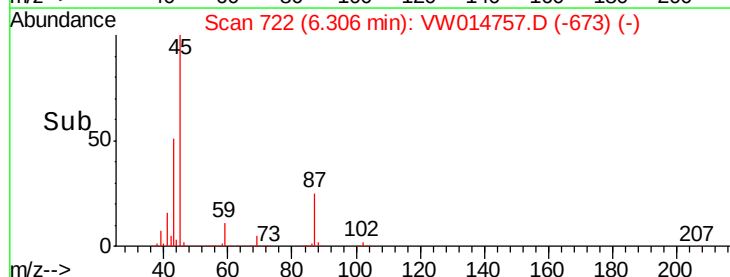
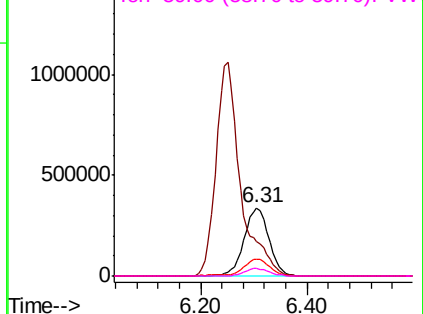
43 51.0 40.9 61.3

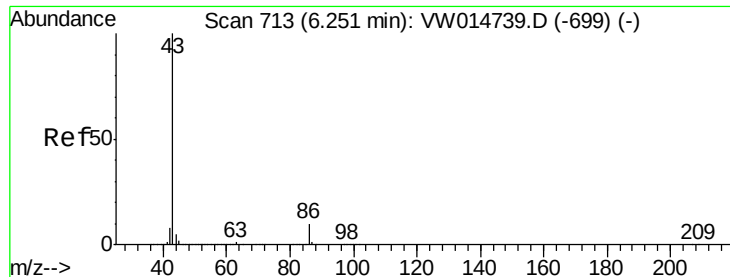
87 25.1 20.3 30.5

59 11.2 9.1 13.7



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: 292.303 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

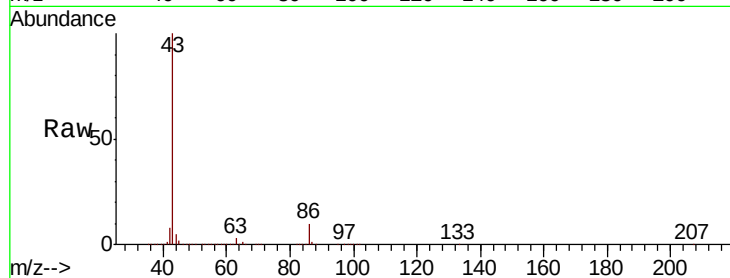
VSTDCCC050EC

Tot Ion: 43 Resp: 3401305

Ion Ratio Lower Upper

43 100

86 10.1 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

1200000

1000000

800000

600000

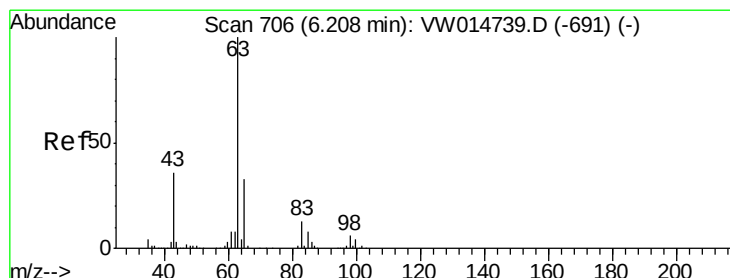
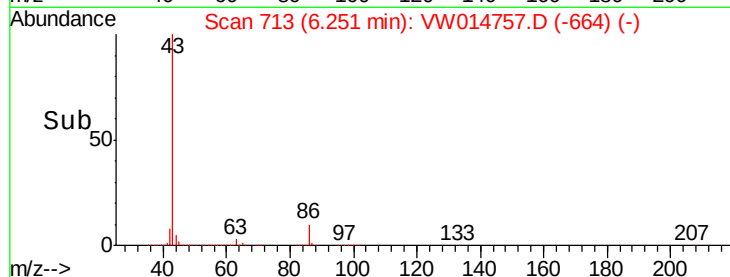
400000

200000

0

Time-->

6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 52.629 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

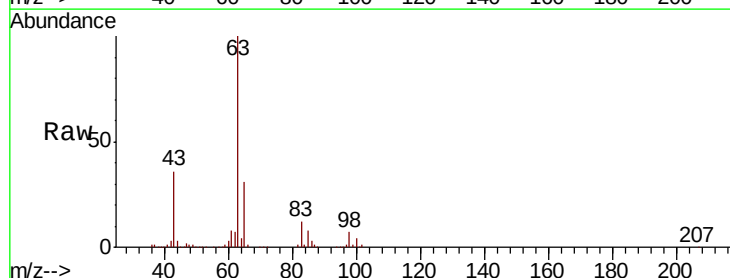
Tgt Ion: 63 Resp: 648640

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

250000

200000

150000

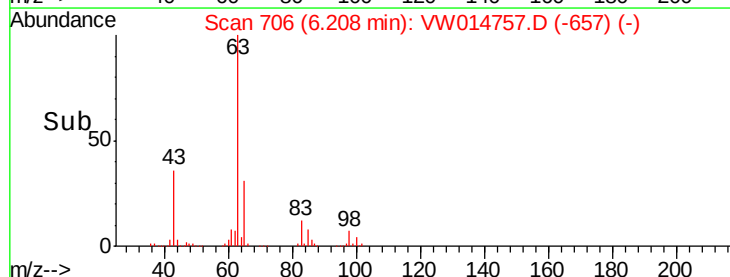
100000

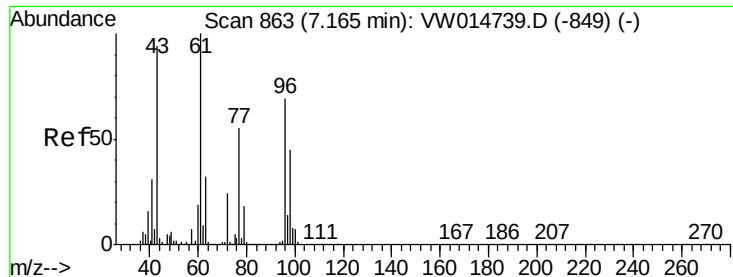
50000

0

Time-->

6.10 6.20 6.30

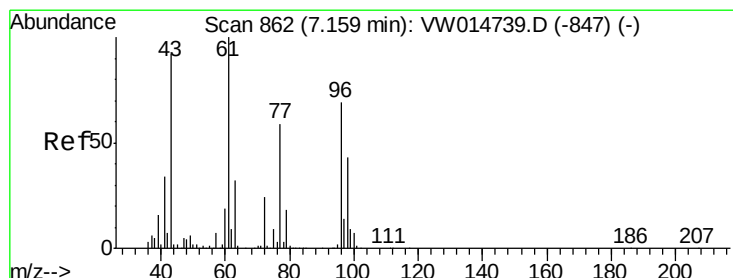
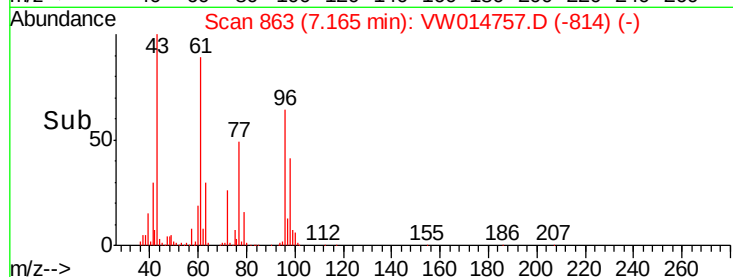
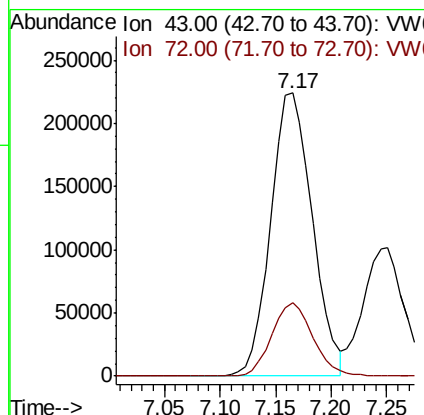
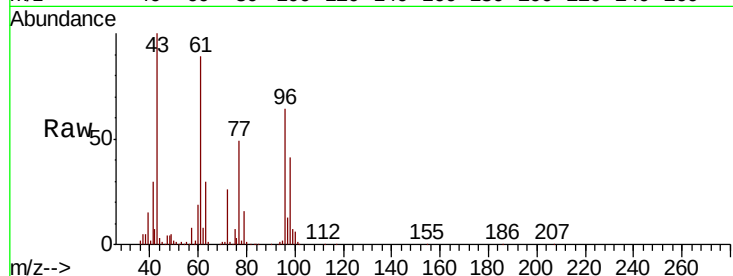




#25
2-Butanone
Concen: 290.272 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

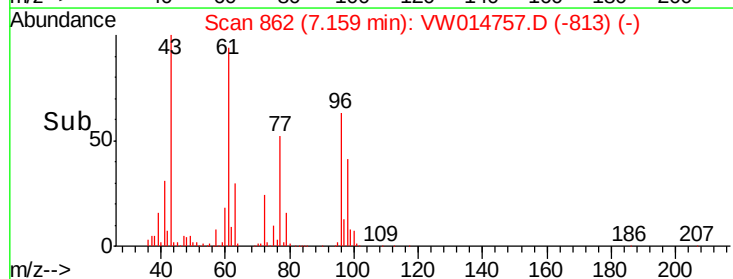
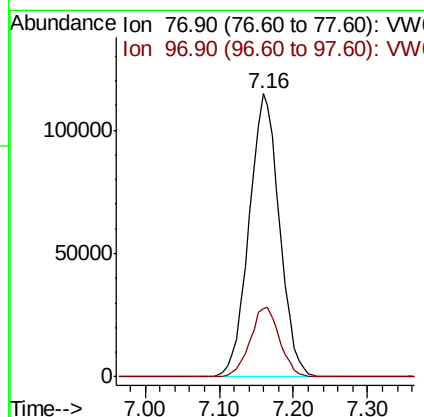
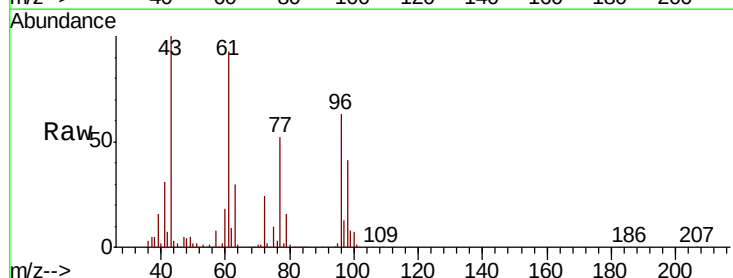
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

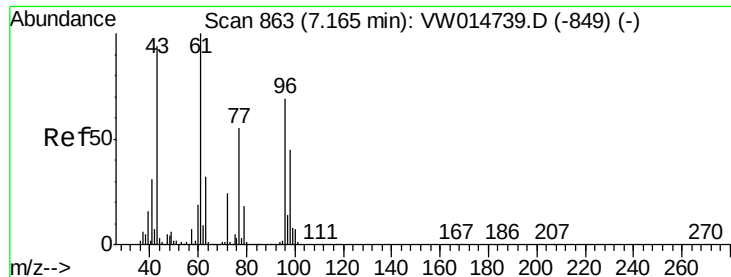
Tot Ion: 43 Resp: 583486
Ion Ratio Lower Upper
43 100
72 26.0 20.2 30.4



#26
2,2-Dichloropropane
Concen: 47.739 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion: 77 Resp: 327892
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.342 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

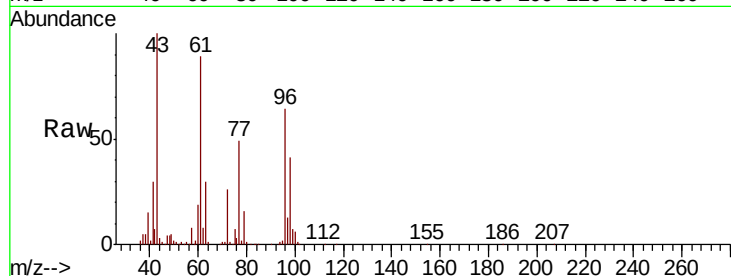
Tot Ion: 96 Resp: 376723

Ion Ratio Lower Upper

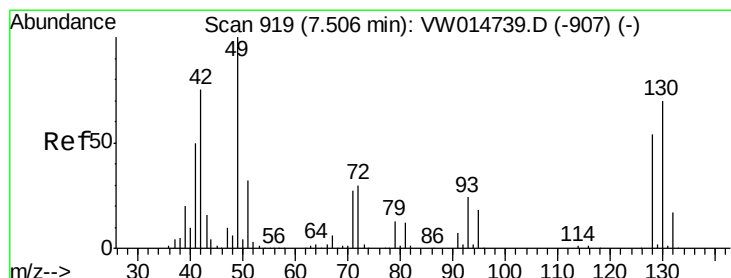
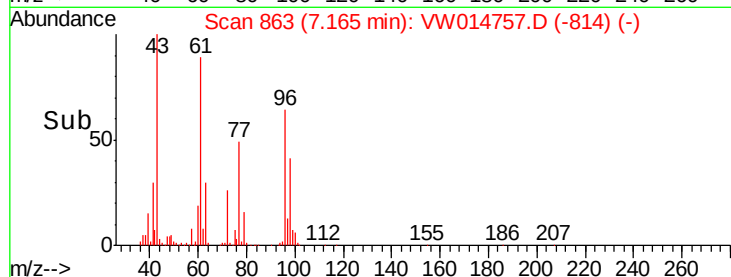
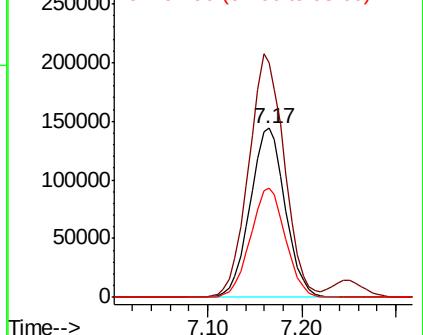
96 100

61 145.9 0.0 292.2

98 64.4 0.0 127.6



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



#28

Bromochloromethane

Concen: 58.485 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

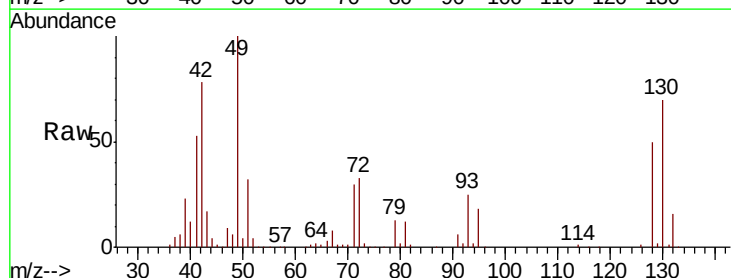
Tgt Ion: 49 Resp: 278065

Ion Ratio Lower Upper

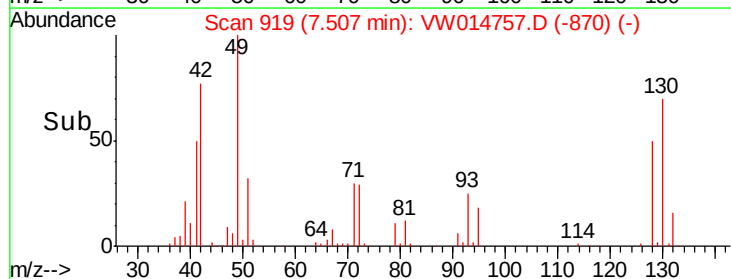
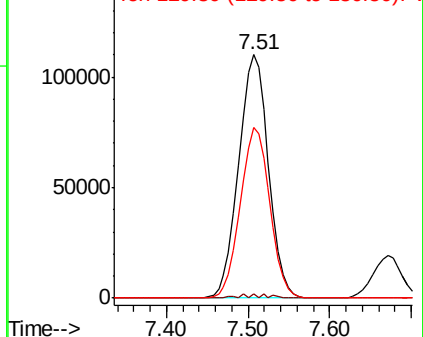
49 100

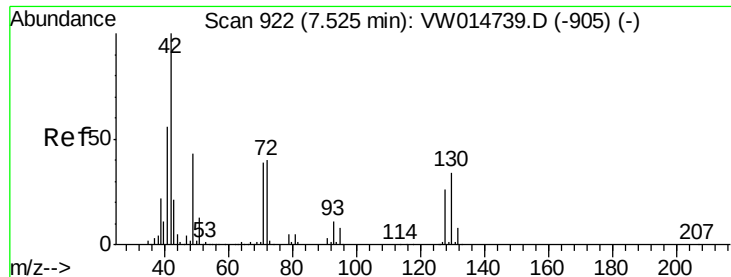
129 0.3 0.0 2.6

130 69.5 56.7 85.1



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

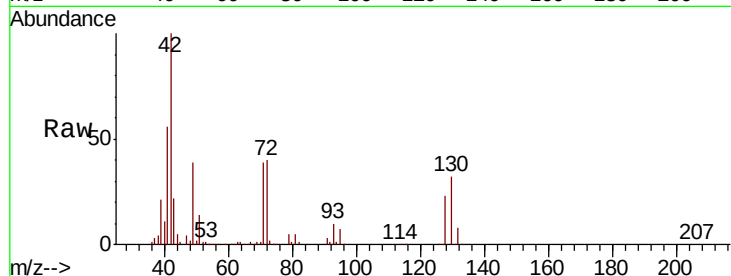




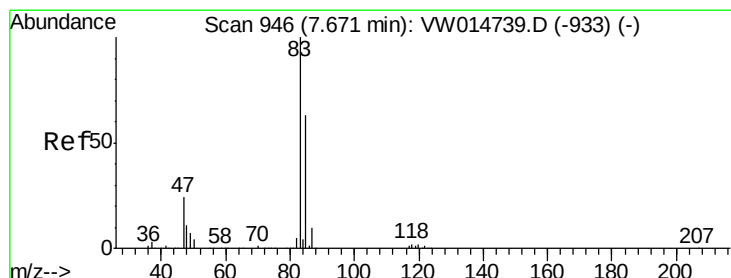
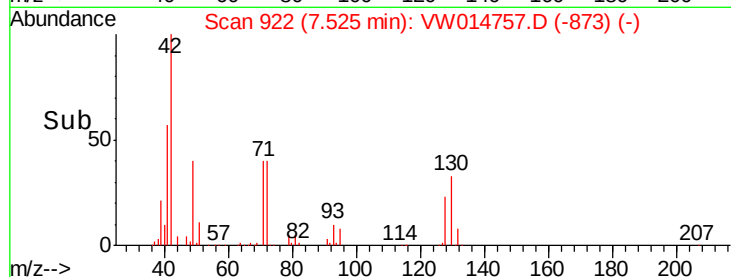
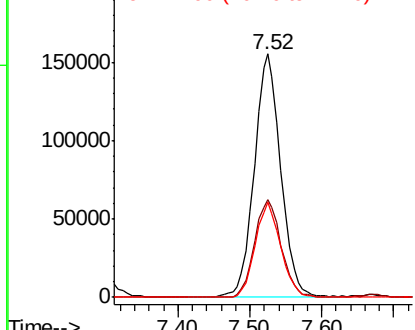
#29
Tetrahydrofuran
Concen: 311.420 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.3	48.5
71	37.8	31.0	46.4

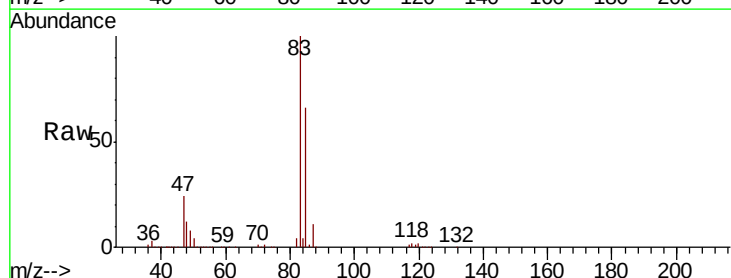


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

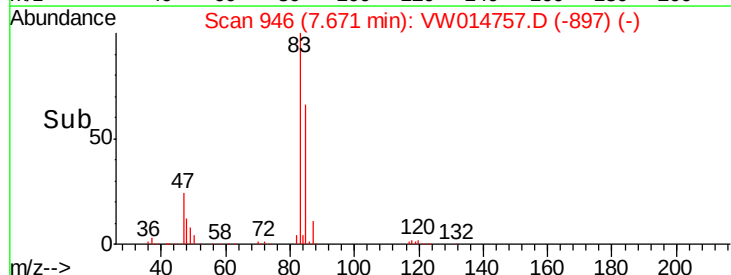
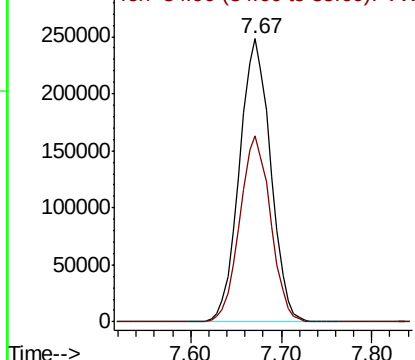


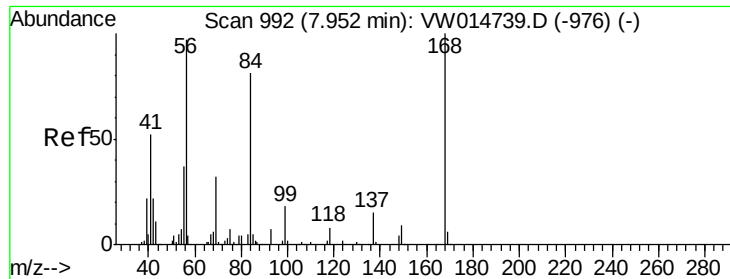
#30
Chloroform
Concen: 52.171 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.1	75.1



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

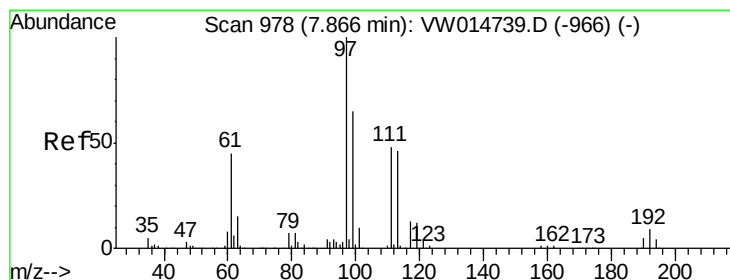
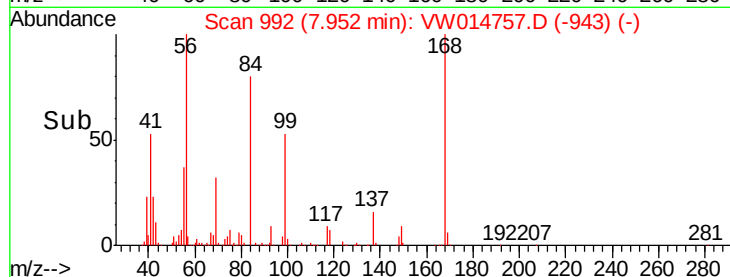
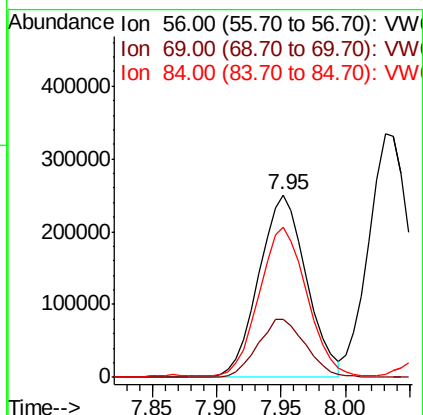
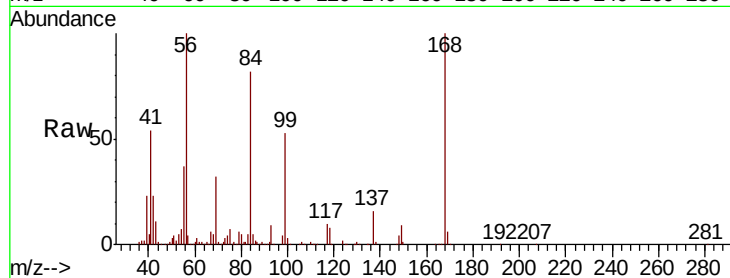




#31
Cyclohexane
Concen: 50.800 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

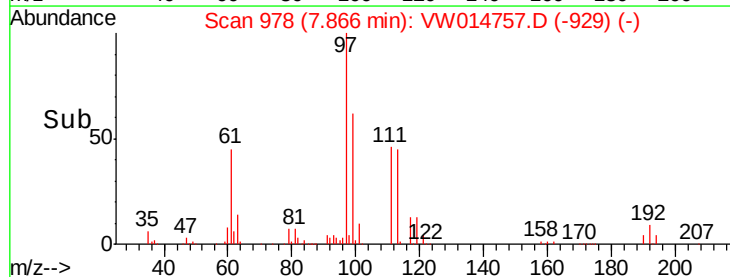
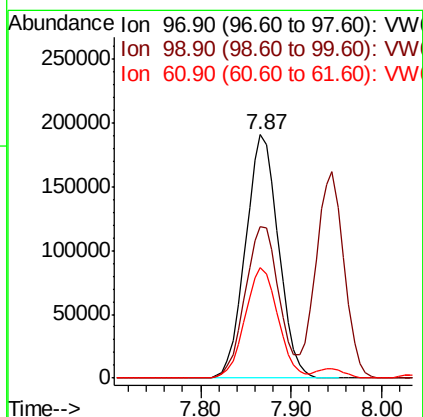
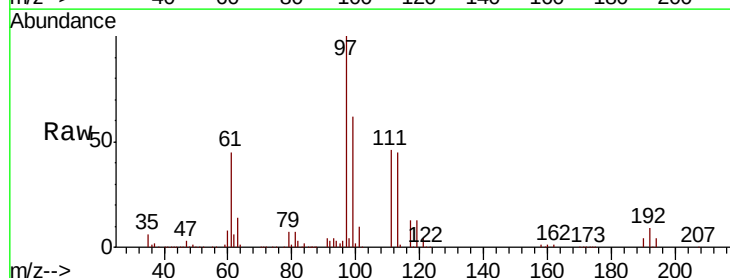
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

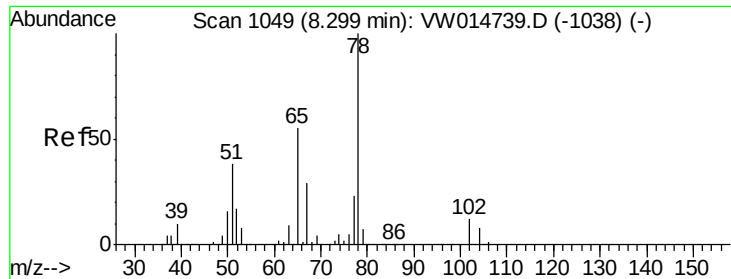
Tot Ion: 56 Resp: 642466
Ion Ratio Lower Upper
56 100
69 31.7 26.0 39.0
84 81.4 66.6 99.8



#32
1,1,1-Trichloroethane
Concen: 51.788 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion: 97 Resp: 478568
Ion Ratio Lower Upper
97 100
99 65.0 52.2 78.4
61 45.4 36.2 54.4

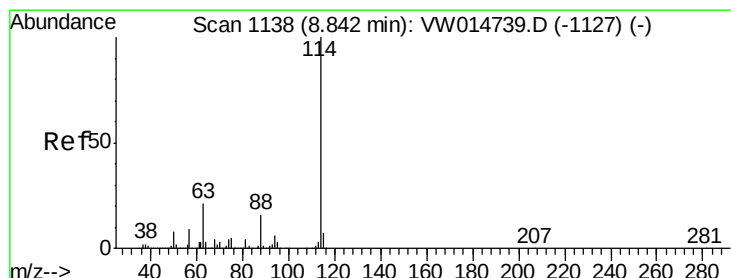
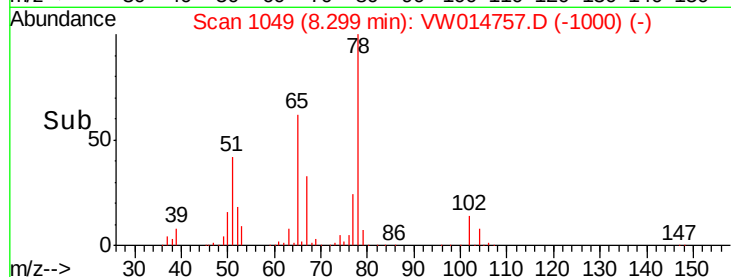
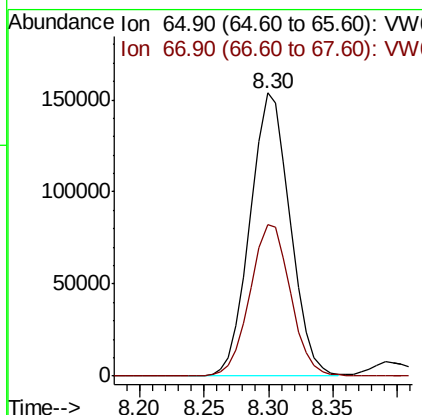
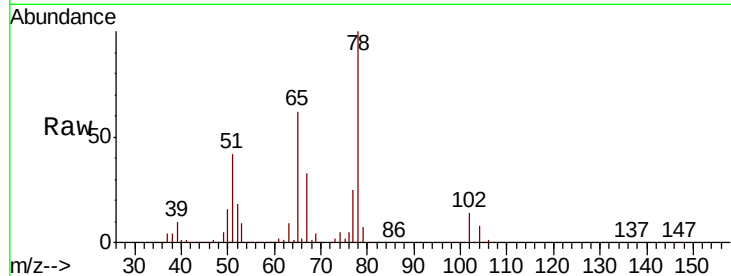




#33
 1,2-Dichloroethane-d4
 Concen: 54.413 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

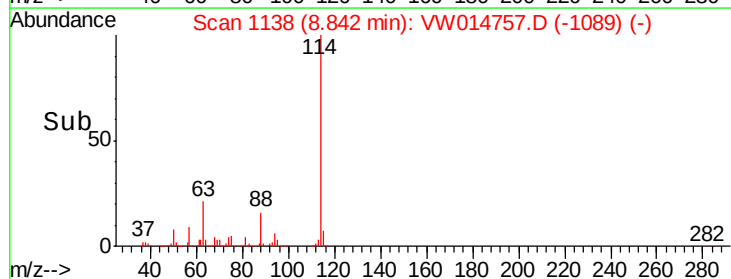
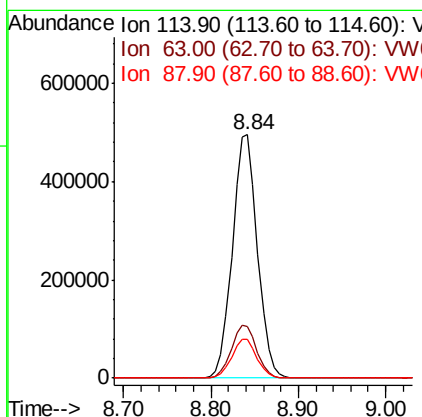
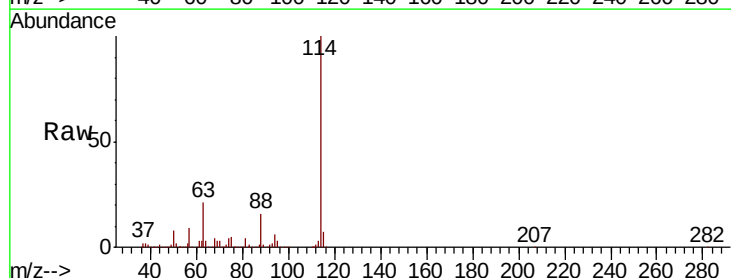
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

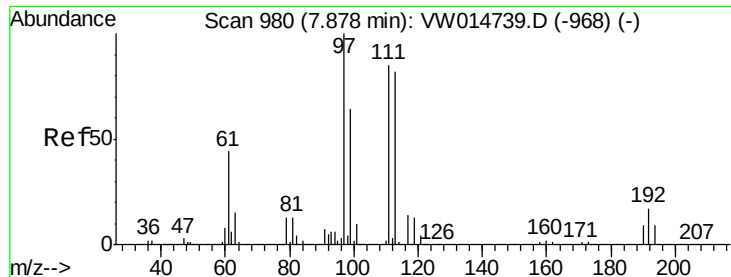
Tot Ion: 65 Resp: 330659
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Tgt Ion: 114 Resp: 985911
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.2
 88 15.9 0.0 32.2

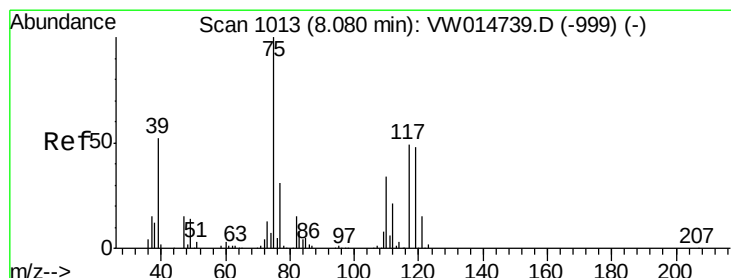
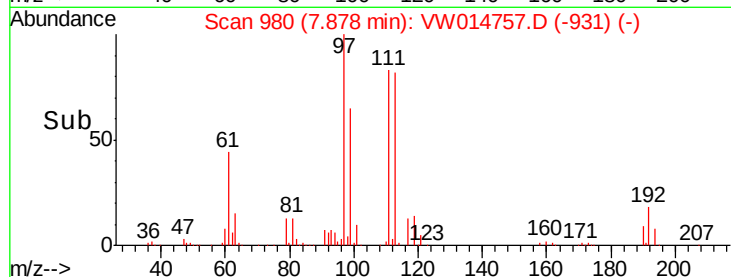
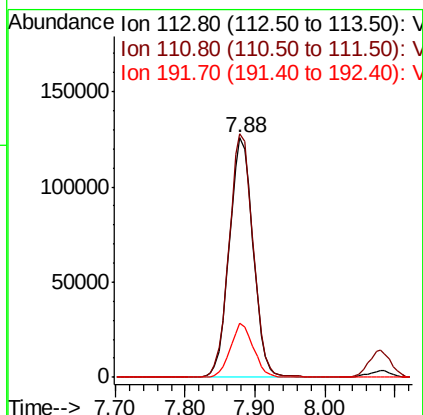
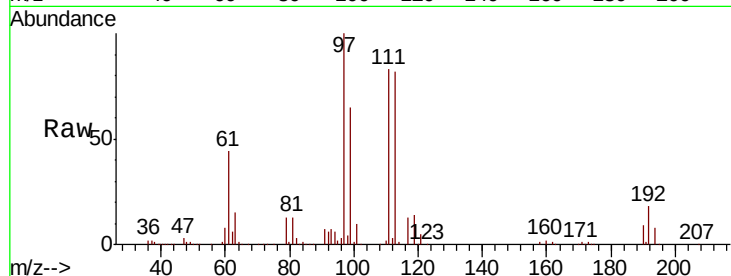




#35
 Dibromofluoromethane
 Concen: 51.654 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

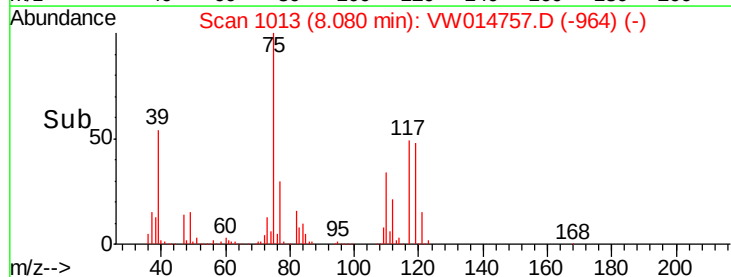
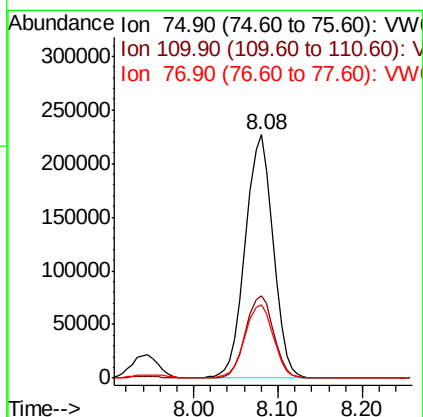
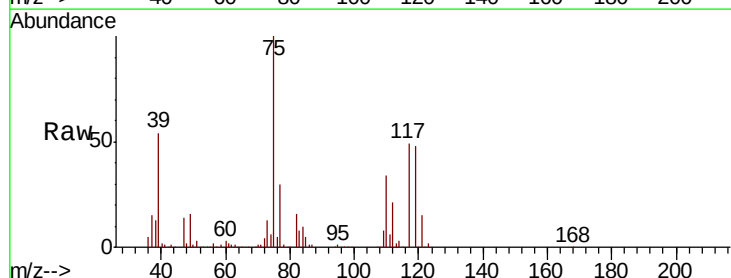
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

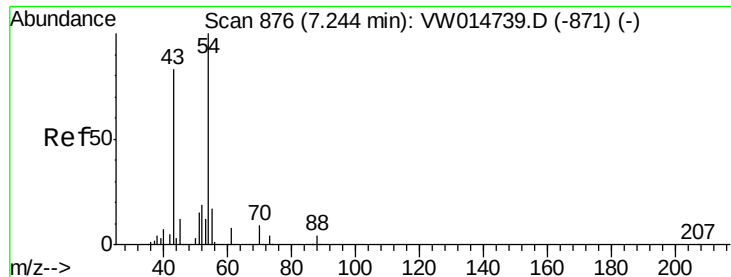
Tot Ion:113 Resp: 296443
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.2
 192 21.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 50.653 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Tgt Ion: 75 Resp: 506410
 Ion Ratio Lower Upper
 75 100
 110 34.1 17.1 51.2
 77 31.1 24.8 37.2

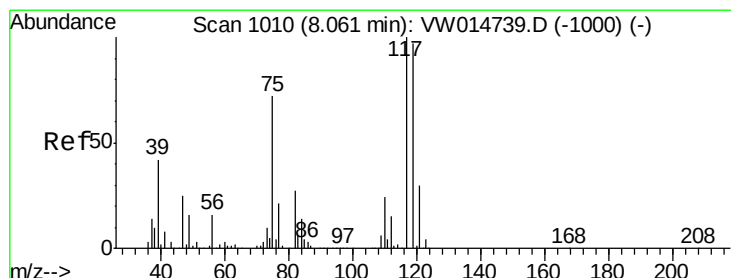
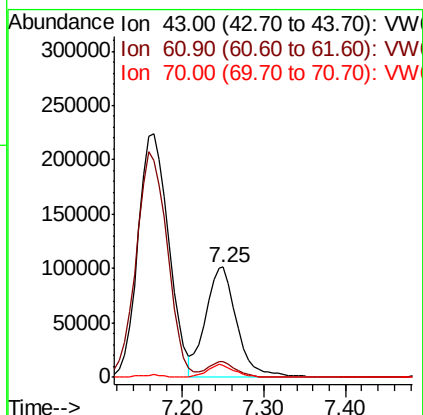
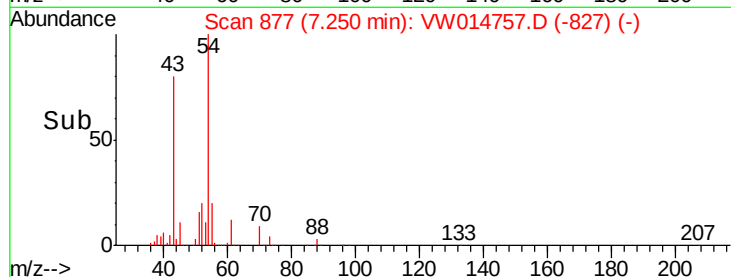
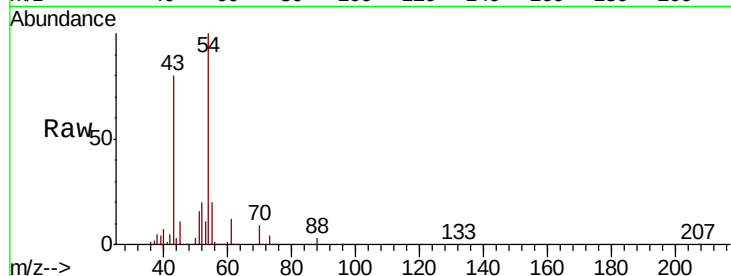




#37
Ethyl Acetate
Concen: 60.746 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

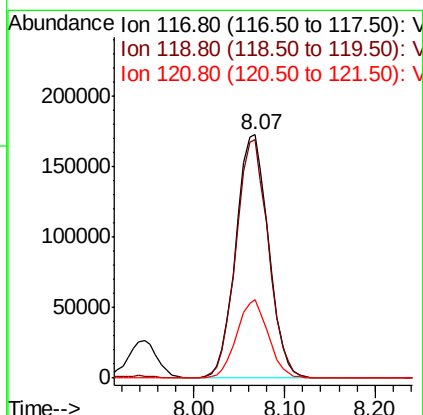
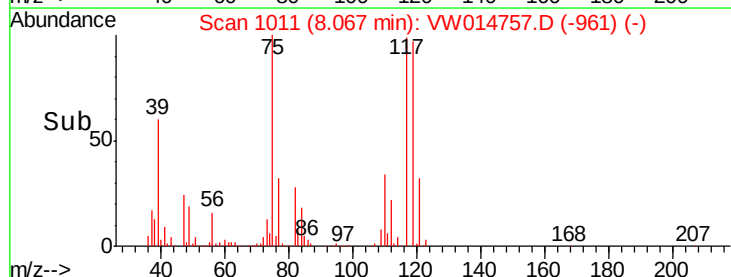
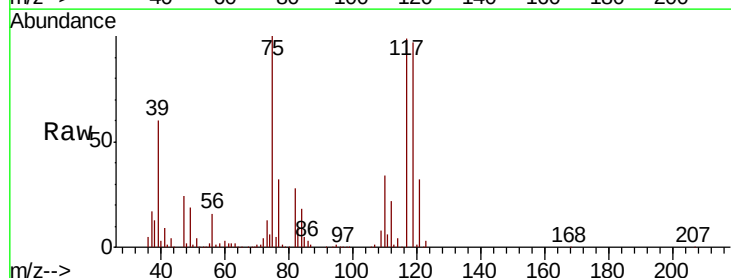
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

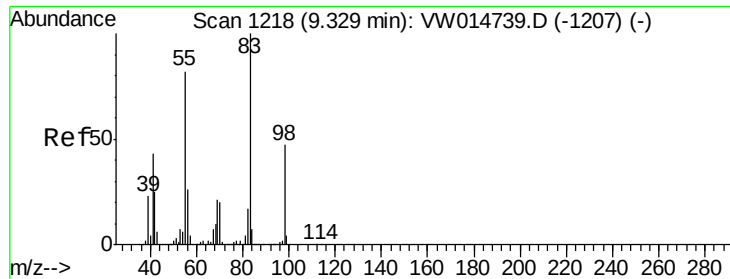
Tot Ion: 43 Resp: 269934
Ion Ratio Lower Upper
43 100
61 12.9 10.7 16.1
70 10.1 8.5 12.7



#38
Carbon Tetrachloride
Concen: 49.575 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion: 117 Resp: 431657
Ion Ratio Lower Upper
117 100
119 97.8 77.5 116.3
121 32.0 24.3 36.5

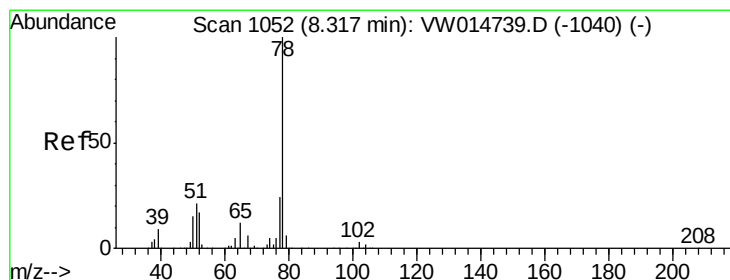
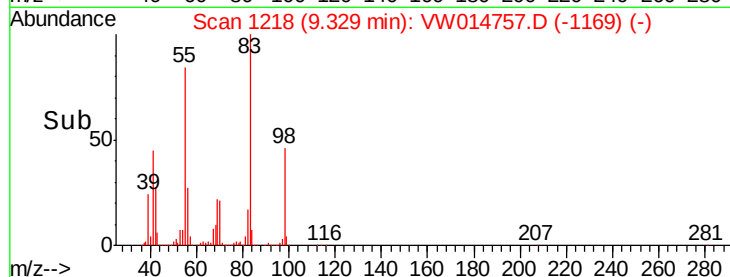
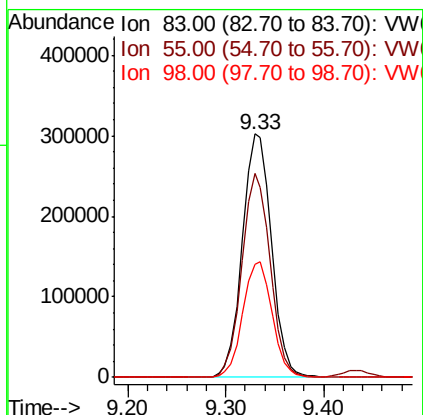
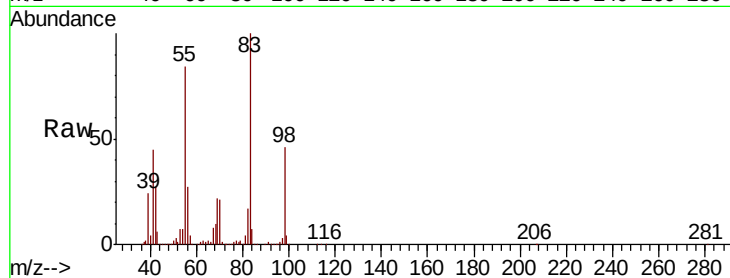




#39
Methylvlcyclohexane
Concen: 51.991 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

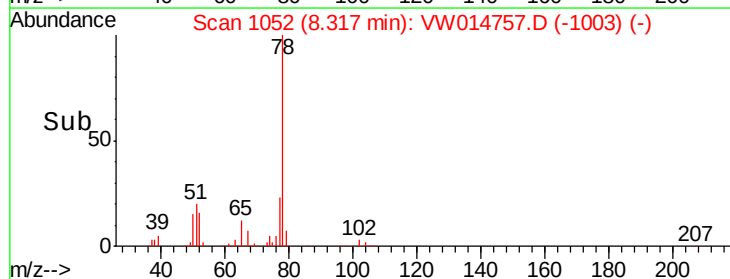
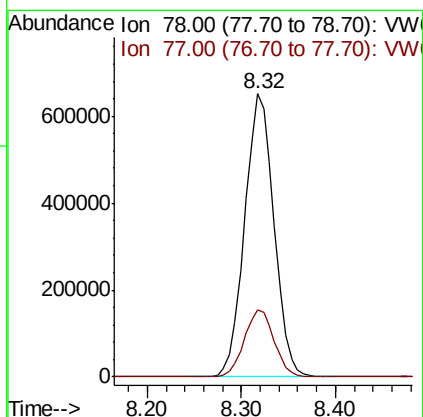
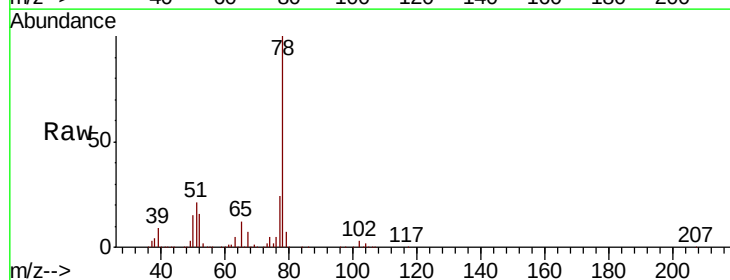
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

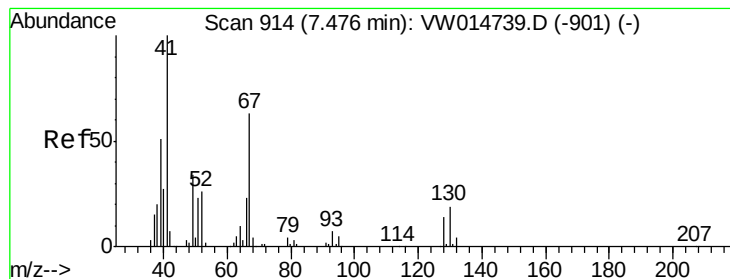
Tot Ion: 83 Resp: 625473
Ion Ratio Lower Upper
83 100
55 83.8 65.2 97.8
98 46.4 37.6 56.4



#40
Benzene
Concen: 50.886 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion: 78 Resp: 1420698
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7





#41

Methacrylonitrile

Concen: 60.012 ug/l

RT: 7.48 min Scan# 914

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 145918

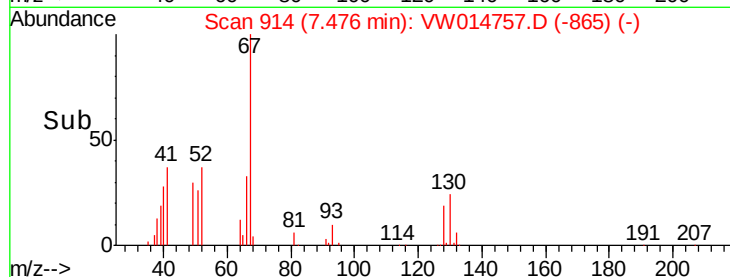
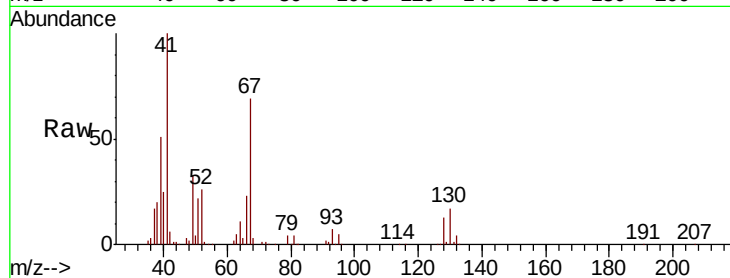
Ion Ratio Lower Upper

41 100

39 51.2 45.3 67.9

67 70.7 57.0 85.4

52 29.0 23.0 34.6

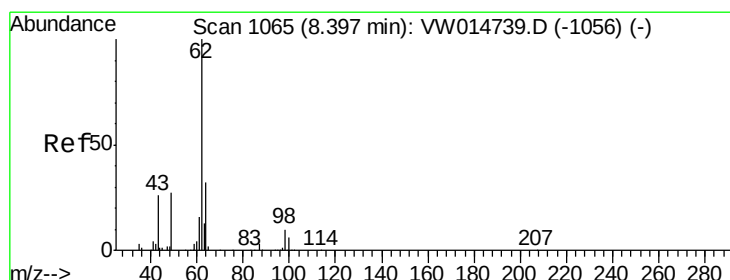
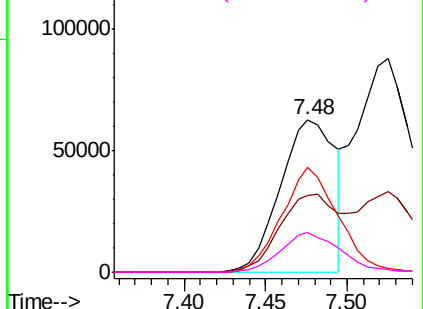


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 52.531 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014757.D

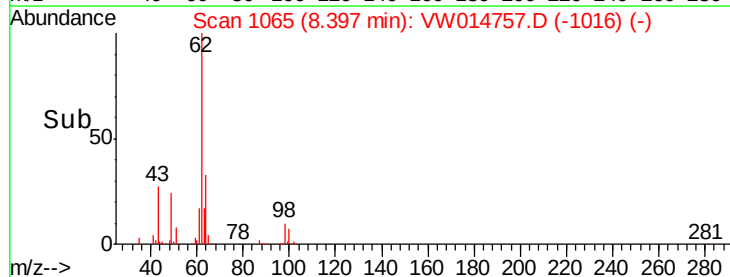
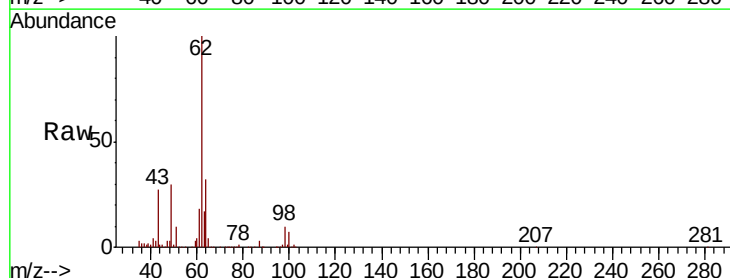
Acq: 24 Jan 2020 20:53

Tgt Ion: 62 Resp: 394109

Ion Ratio Lower Upper

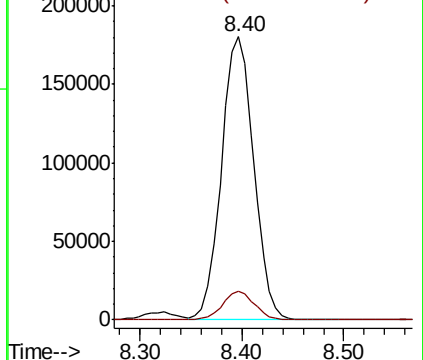
62 100

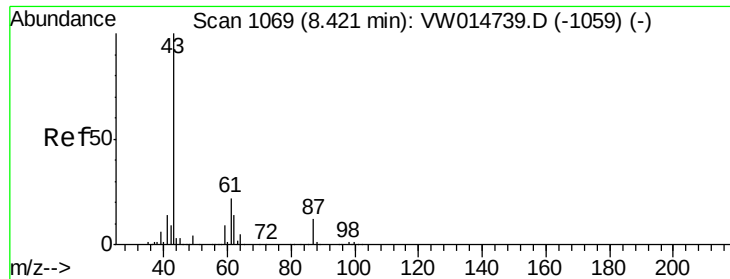
98 10.0 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 58.148 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

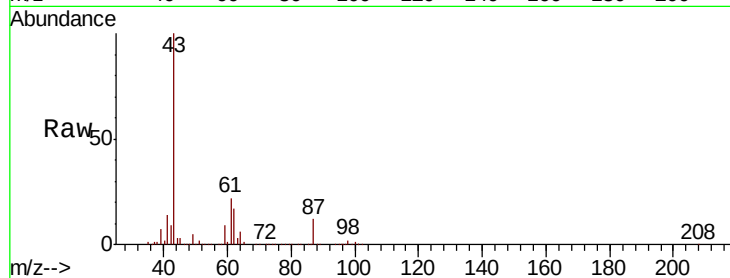
Tot Ion: 43 Resp: 467780

Ion Ratio Lower Upper

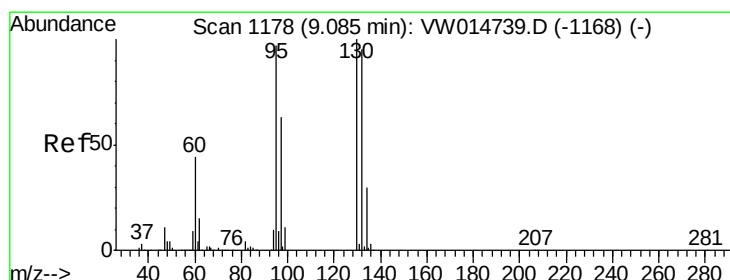
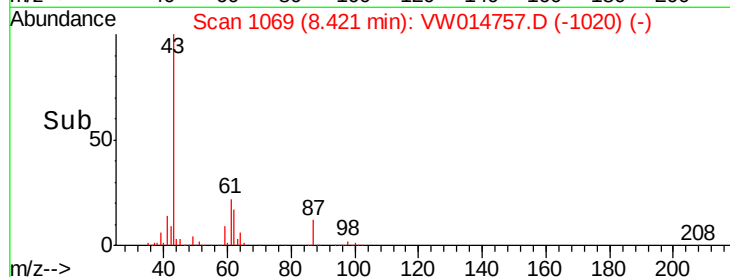
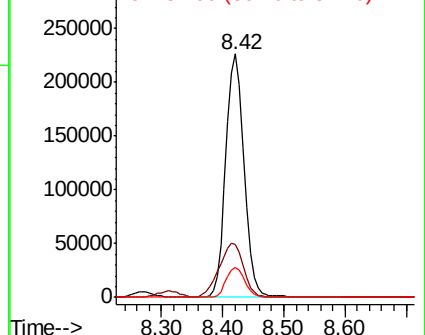
43 100

61 29.6 24.4 36.6

87 12.5 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.731 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014757.D

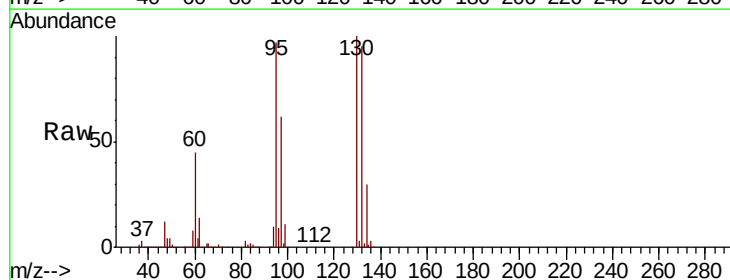
Acq: 24 Jan 2020 20:53

Tgt Ion: 130 Resp: 361427

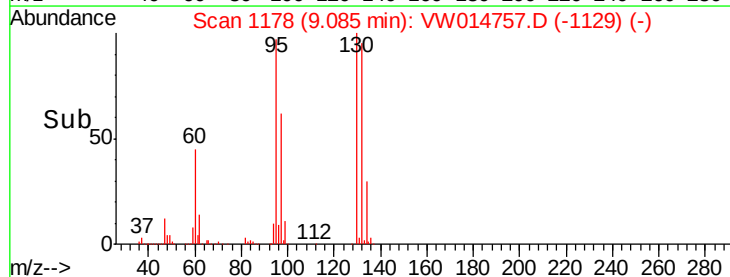
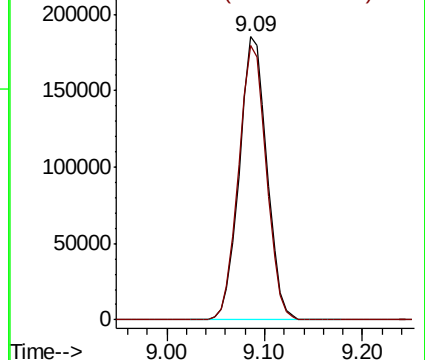
Ion Ratio Lower Upper

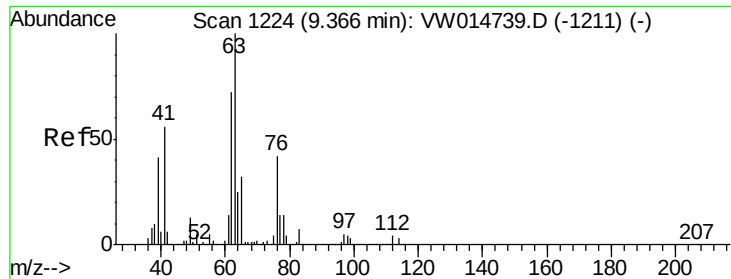
130 100

95 97.1 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 52.069 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

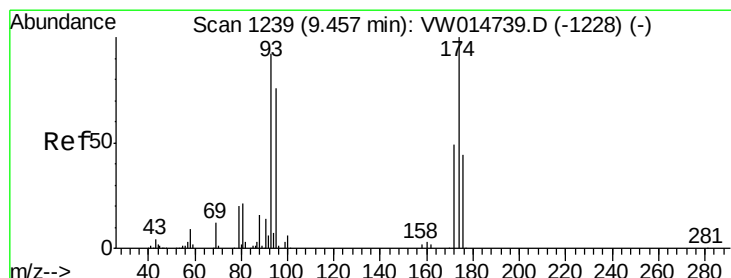
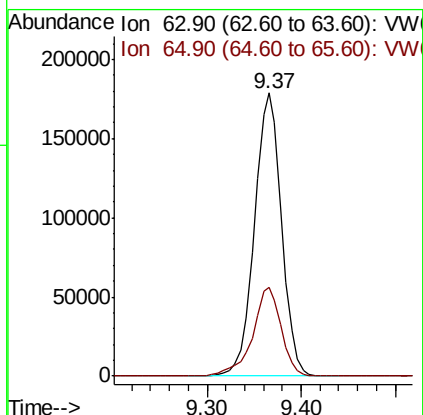
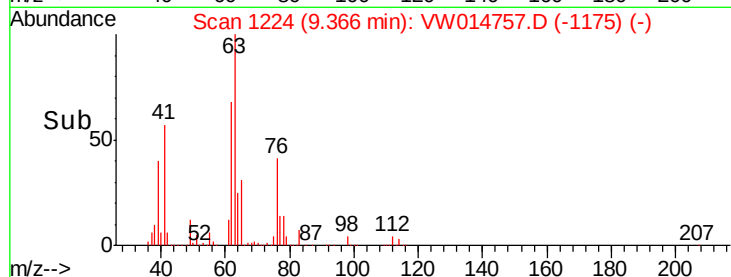
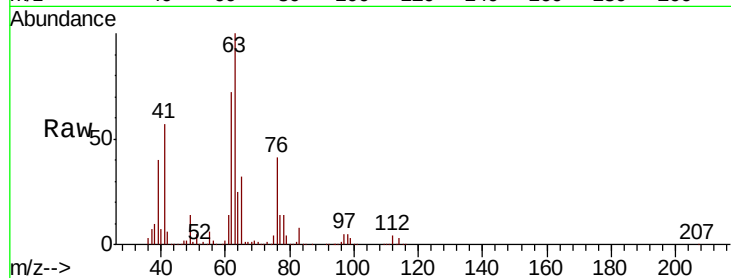
VSTDCCC050EC

Tot Ion: 63 Resp: 360644

Ion Ratio Lower Upper

63 100

65 31.6 25.3 37.9



#46

Dibromomethane

Concen: 53.621 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

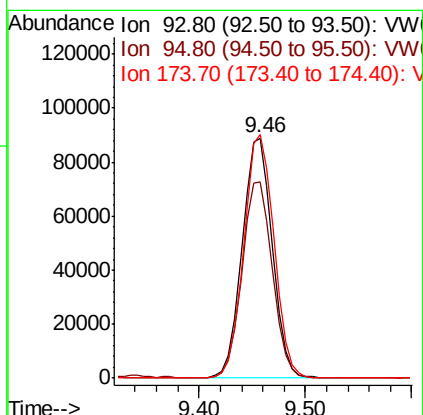
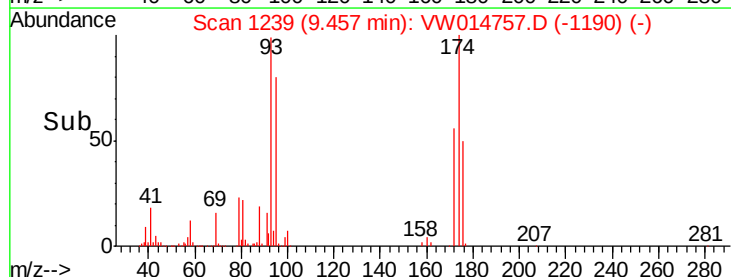
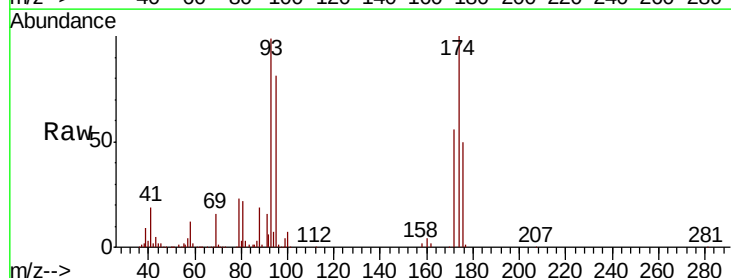
Tgt Ion: 93 Resp: 176017

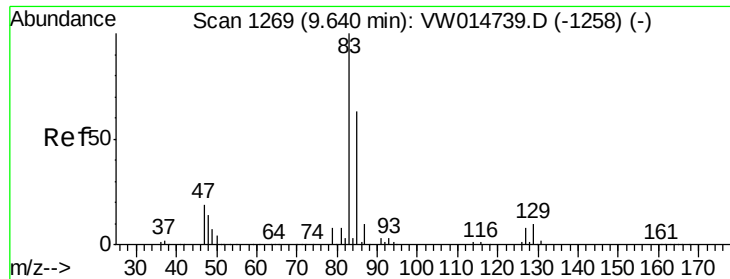
Ion Ratio Lower Upper

93 100

95 83.1 65.4 98.2

174 102.1 84.2 126.2

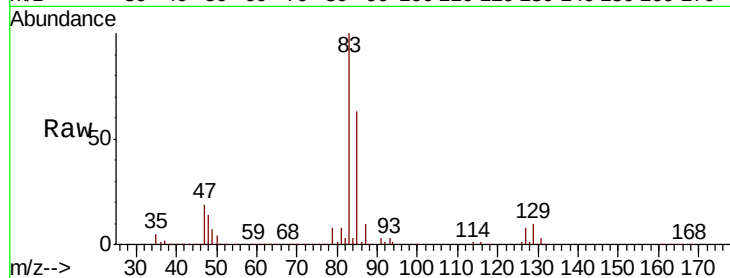




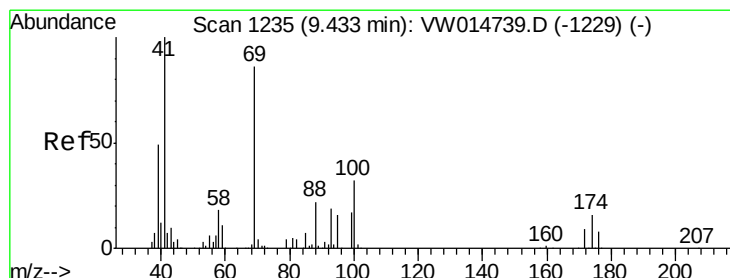
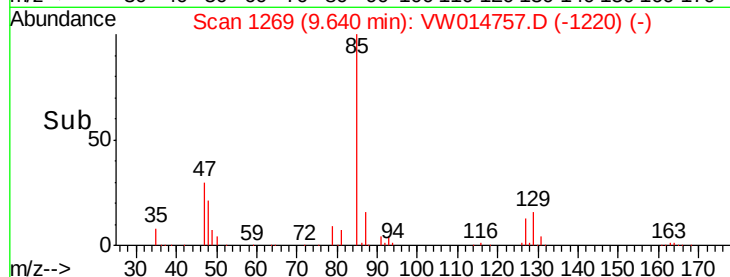
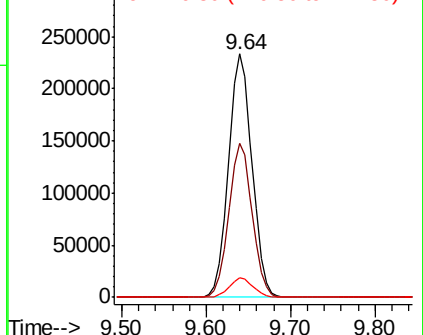
#47
 Bromodichloromethane
 Concen: 52.553 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 83 Resp: 441431
 Ion Ratio Lower Upper
 83 100
 85 63.4 50.1 75.1
 127 8.1 6.5 9.7

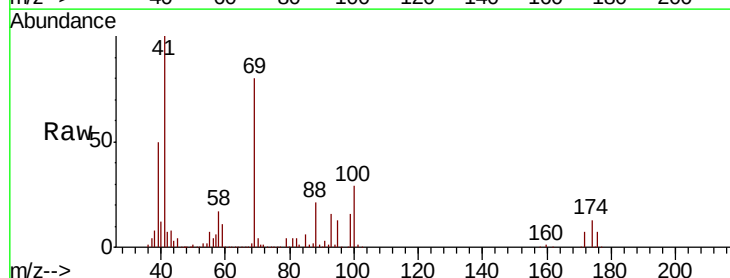


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): VW

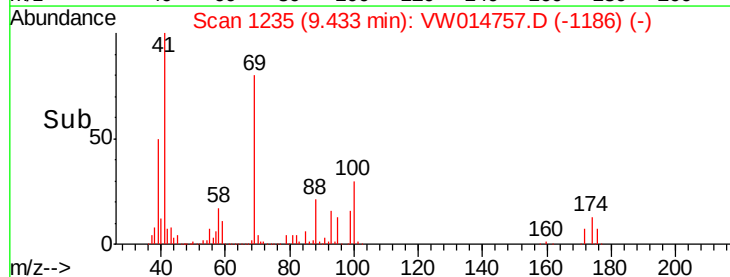
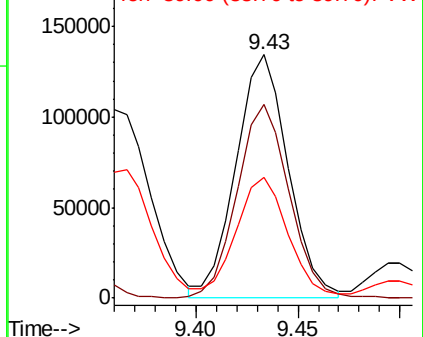


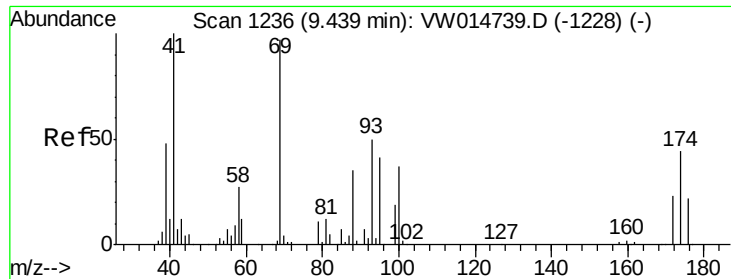
#48
 Methyl methacrylate
 Concen: 62.950 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Tgt Ion: 41 Resp: 238686
 Ion Ratio Lower Upper
 41 100
 69 80.0 69.6 104.4
 39 45.4 40.2 60.4



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: 1144.424 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

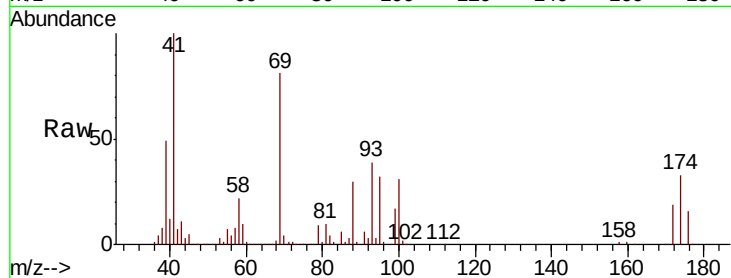
Tot Ion: 88 Resp: 68042

Ion Ratio Lower Upper

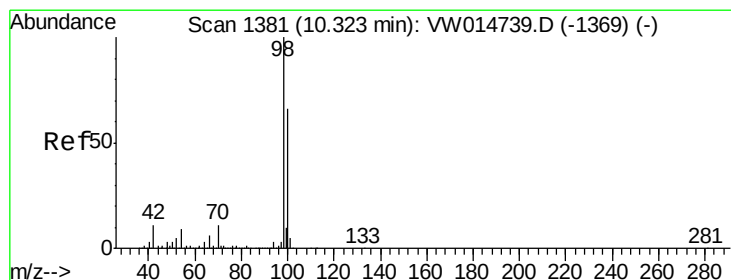
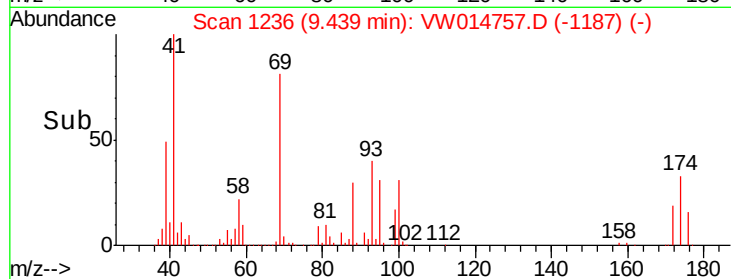
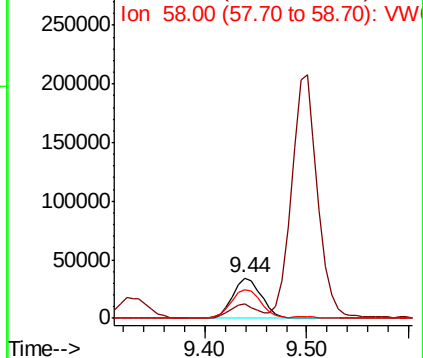
88 100

43 33.0 27.1 40.7

58 72.4 58.7 88.1



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



#50

Toluene-d8

Concen: 52.082 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014757.D

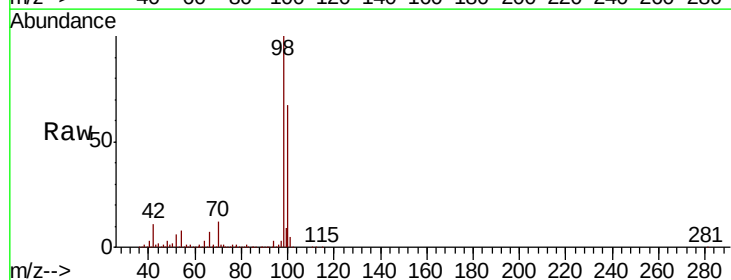
Acq: 24 Jan 2020 20:53

Tgt Ion: 98 Resp: 1232480

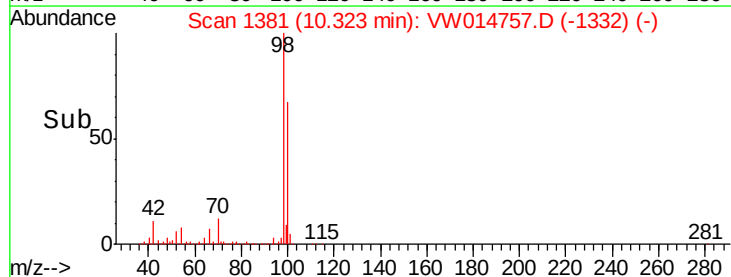
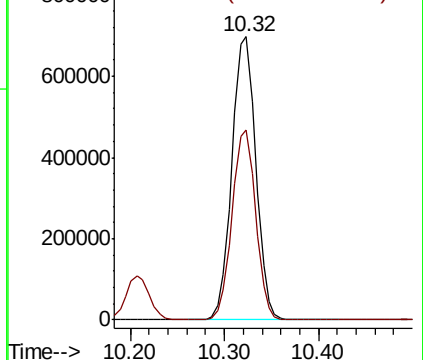
Ion Ratio Lower Upper

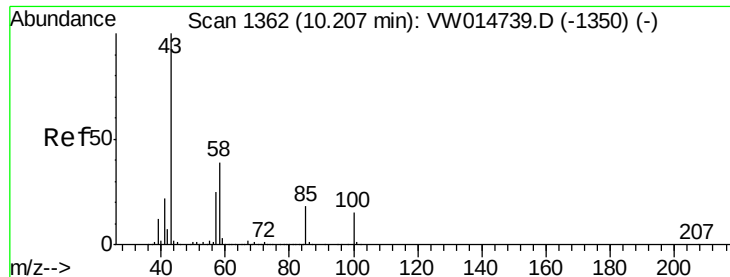
98 100

100 66.3 52.6 79.0



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

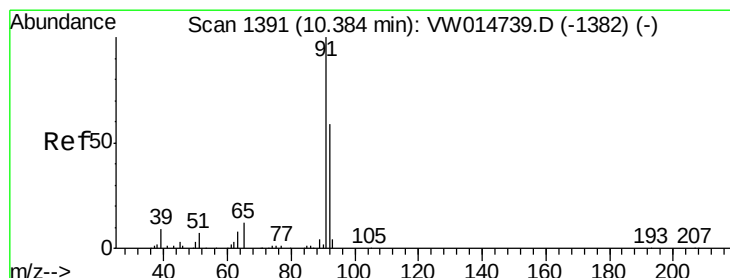
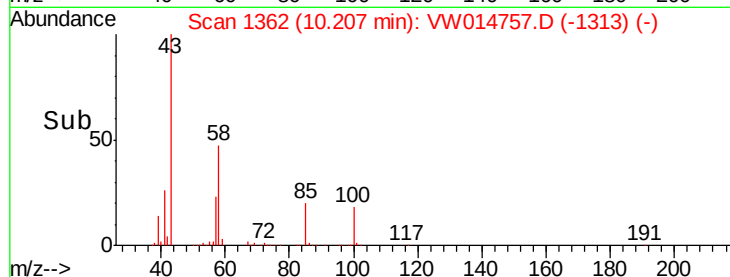
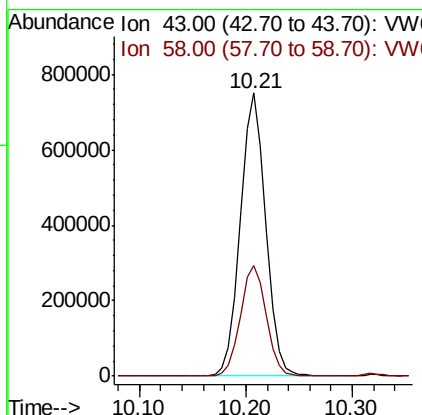
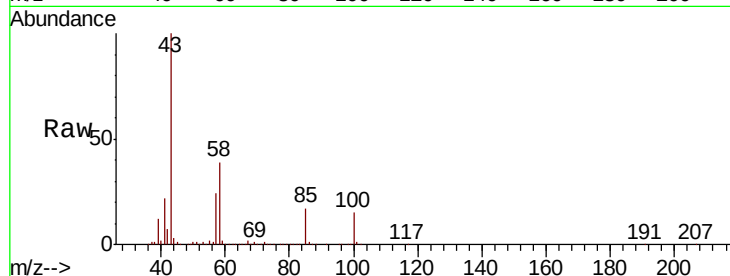




#51
 4-Methyl-2-Pentanone
 Concen: 300.744 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

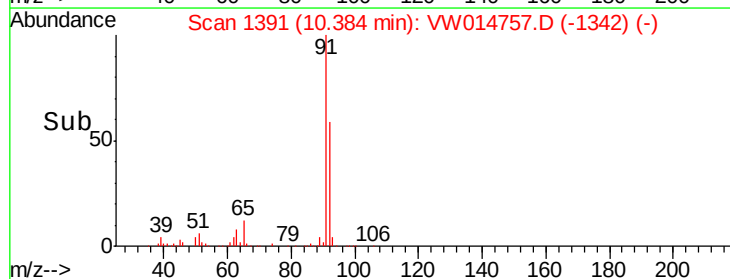
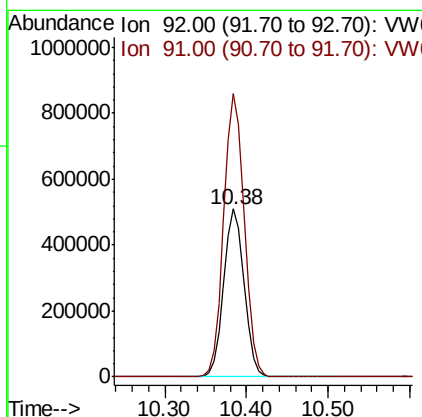
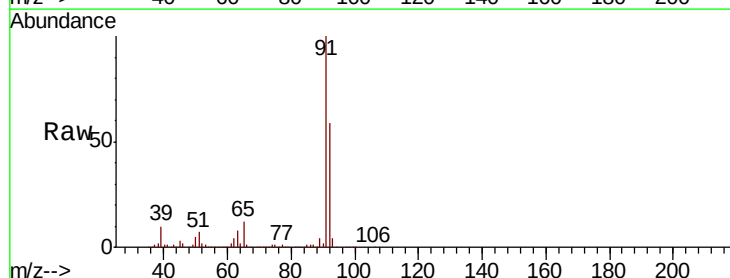
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

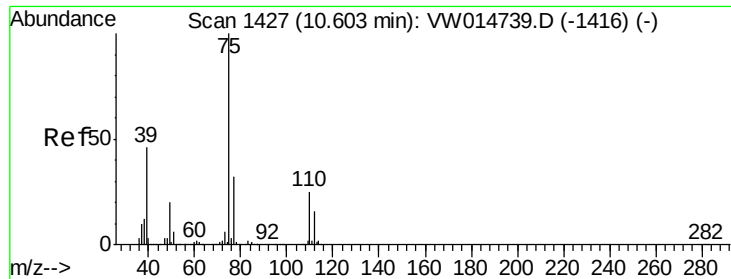
Tot Ion: 43 Resp: 1259728
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.4 47.0



#52
 Toluene
 Concen: 51.428 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Tgt Ion: 92 Resp: 876592
 Ion Ratio Lower Upper
 92 100
 91 170.3 135.8 203.8





#53

t-1,3-Dichloropropene

Concen: 53.228 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

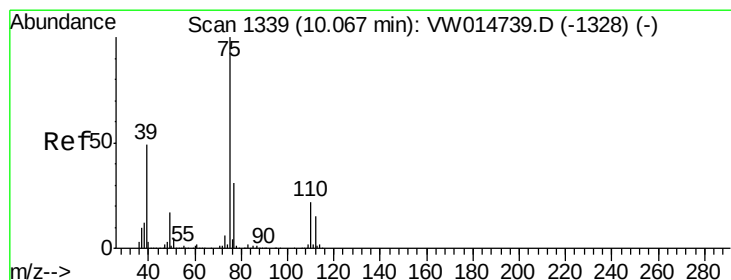
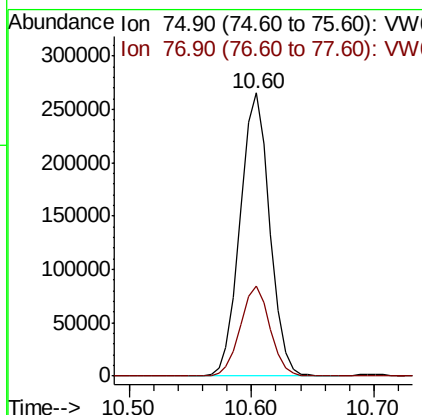
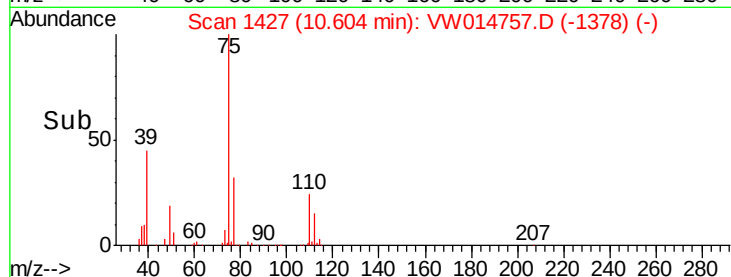
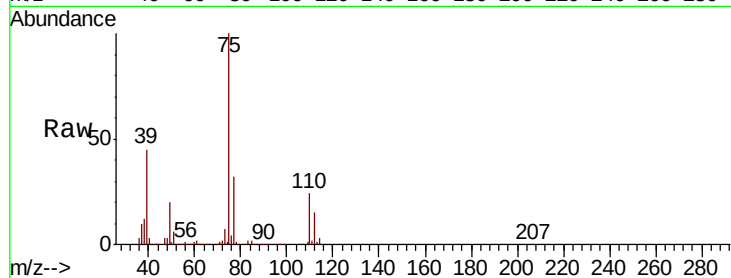
VSTDCCC050EC

Tot Ion: 75 Resp: 445142

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 52.656 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

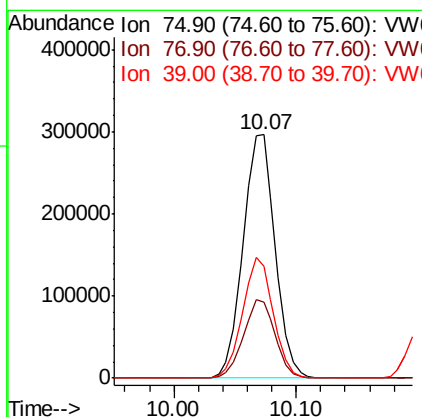
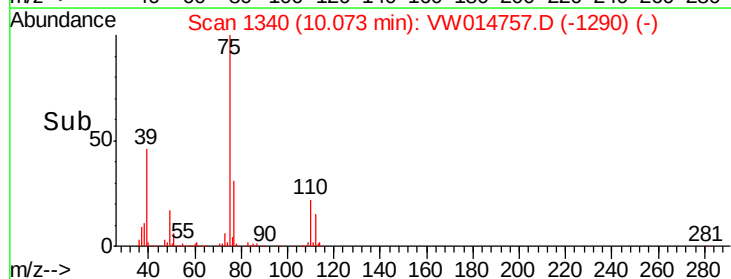
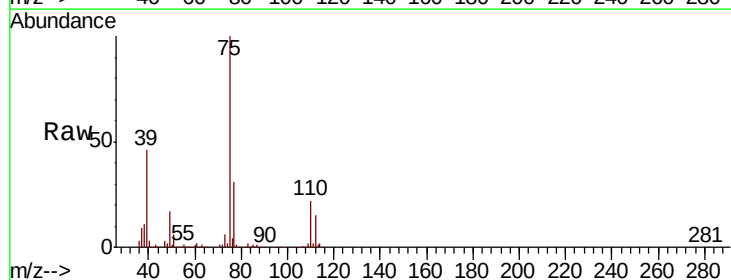
Tgt Ion: 75 Resp: 539428

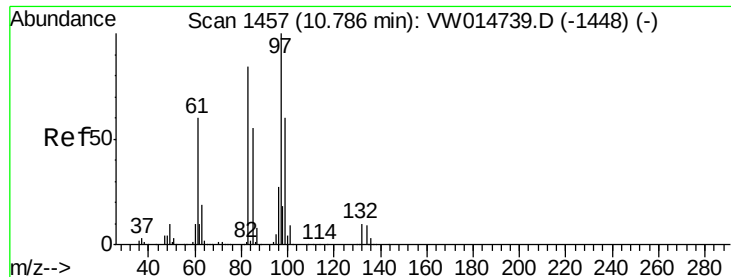
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4

39 45.9 39.0 58.6

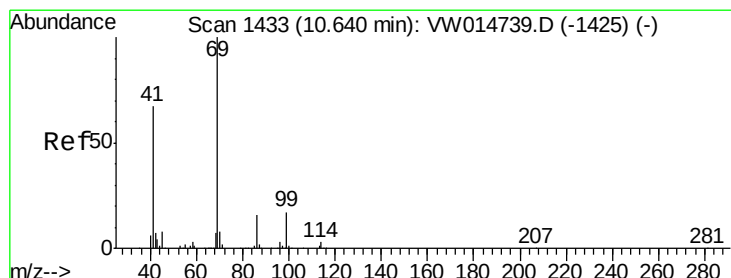
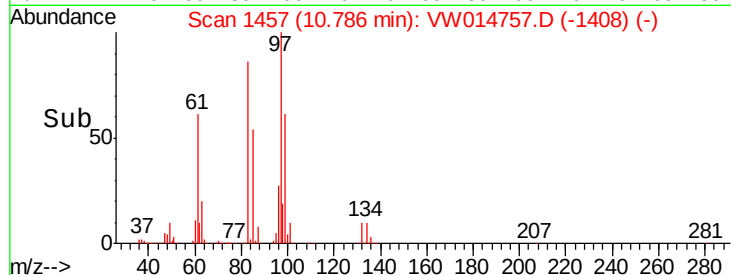
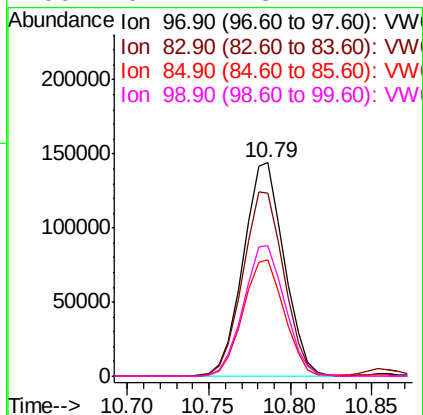
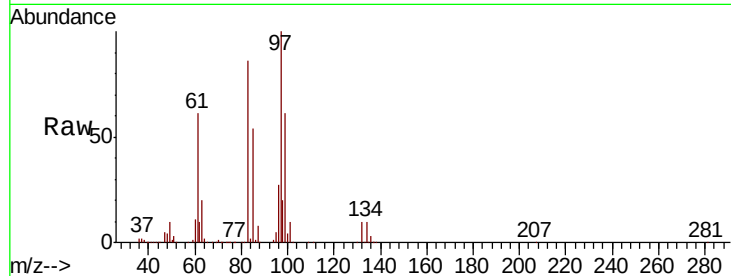




#55
 1,1,2-Trichloroethane
 Concen: 53.793 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

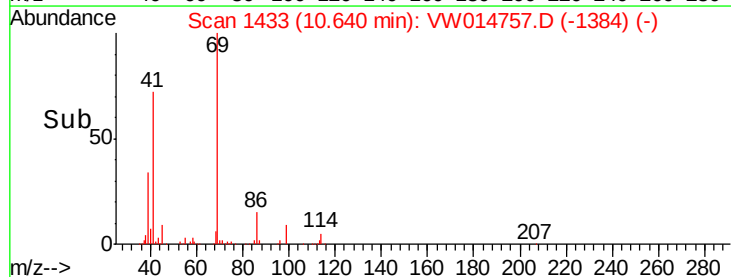
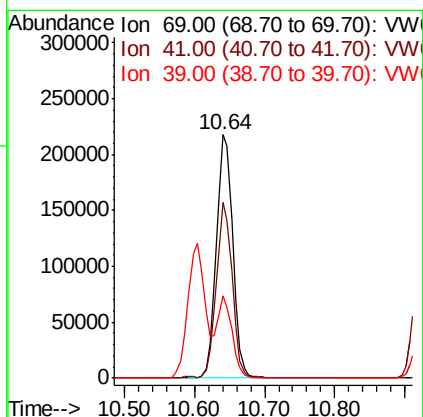
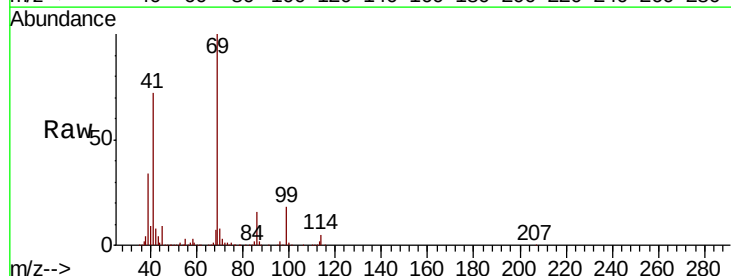
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

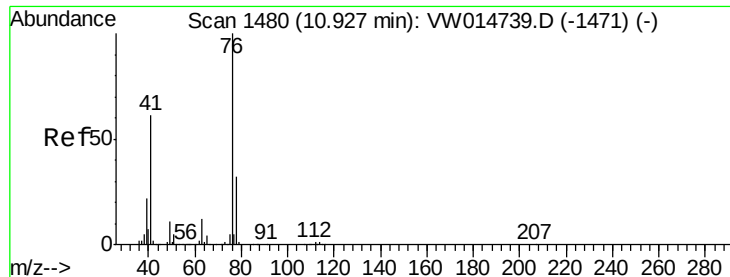
Tot Ion:	97	Resp:	252733
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.1	100.7
85	54.2	44.2	66.2
99	61.2	48.2	72.4



#56
 Ethyl methacrylate
 Concen: 58.825 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Tgt Ion:	69	Resp:	356186
Ion	Ratio	Lower	Upper
69	100		
41	70.3	54.4	81.6
39	31.9	22.4	33.6





#57

1,3-Dichloropropane

Concen: 54.234 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

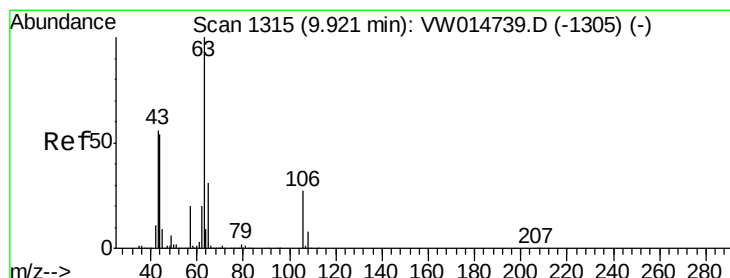
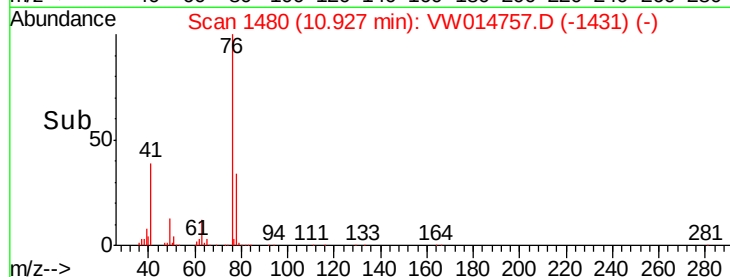
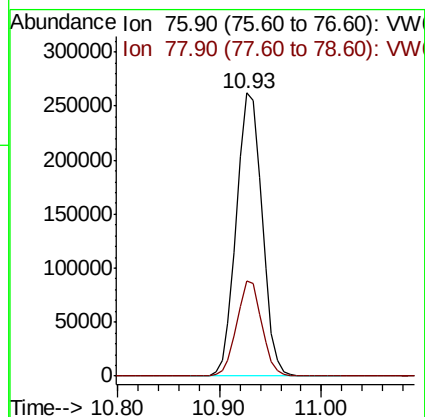
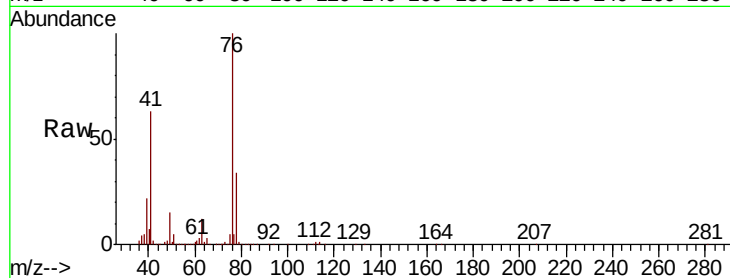
VSTDCCC050EC

Tot Ion: 76 Resp: 456832

Ion Ratio Lower Upper

76 100

78 32.7 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 299.240 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014757.D

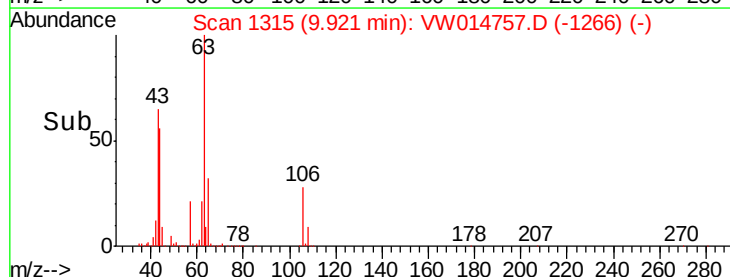
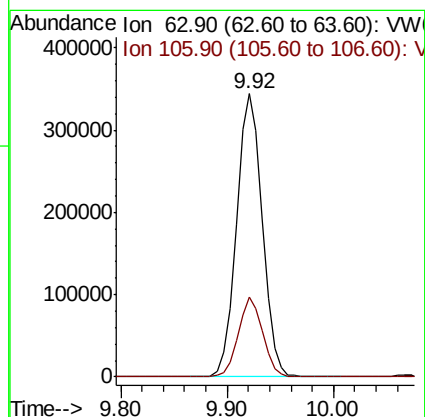
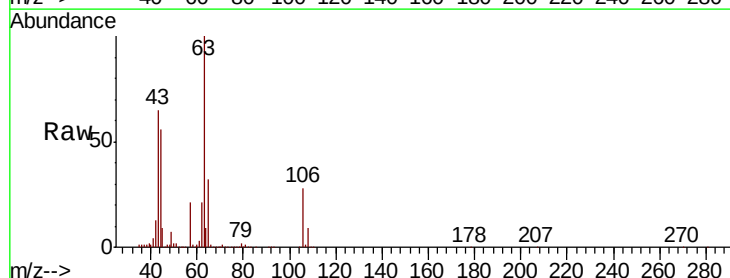
Acq: 24 Jan 2020 20:53

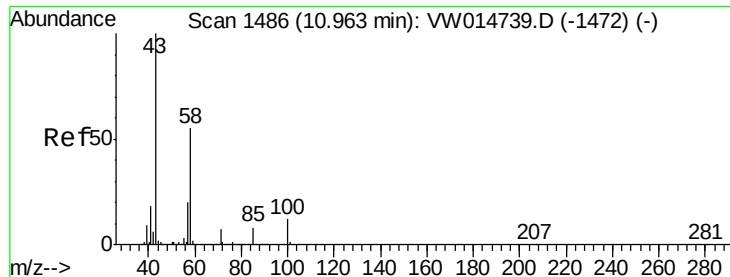
Tgt Ion: 63 Resp: 582556

Ion Ratio Lower Upper

63 100

106 26.7 21.8 32.8

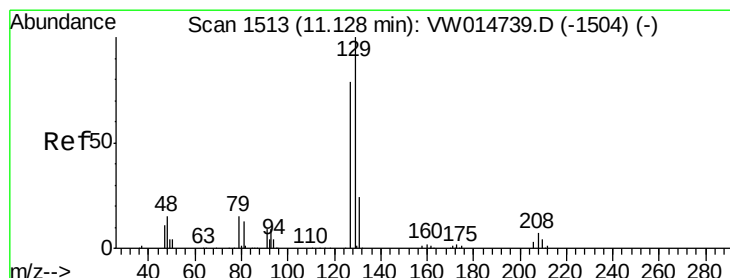
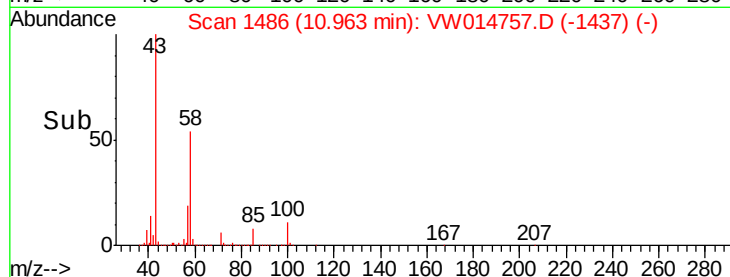
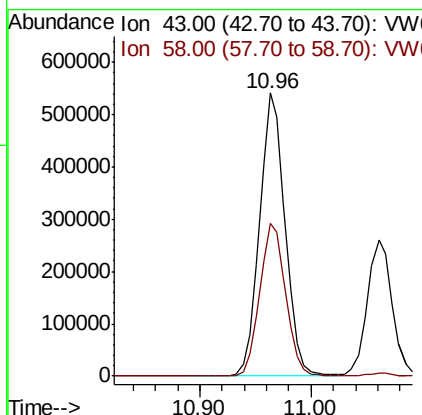
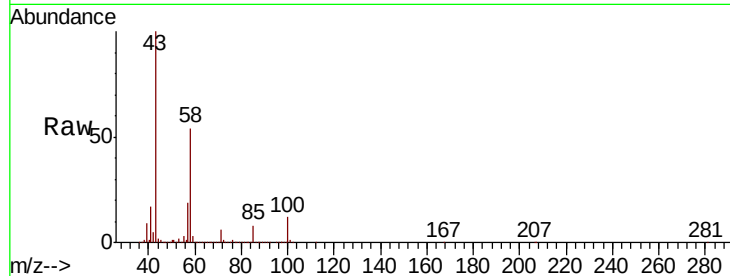




#59
2-Hexanone
Concen: 306.864 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

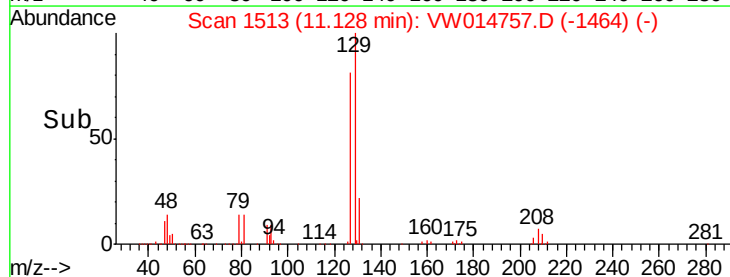
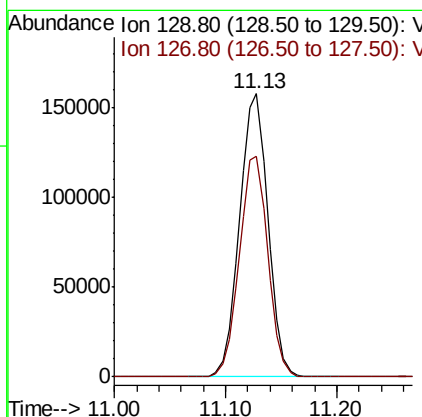
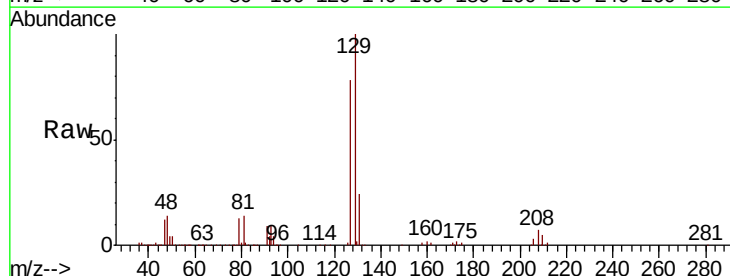
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

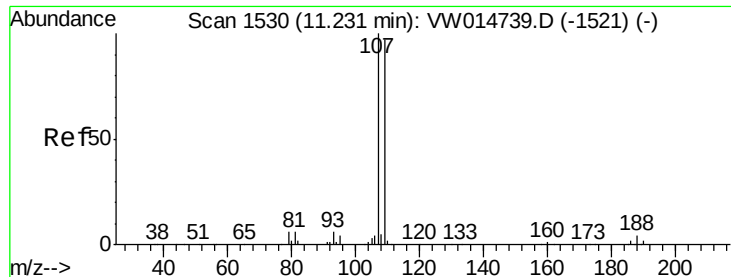
Tot Ion: 43 Resp: 866163
Ion Ratio Lower Upper
43 100
58 55.1 27.3 81.8



#60
Dibromochloromethane
Concen: 53.160 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion: 129 Resp: 279131
Ion Ratio Lower Upper
129 100
127 78.2 39.9 119.6





#61

1,2-Dibromoethane

Concen: 53.667 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

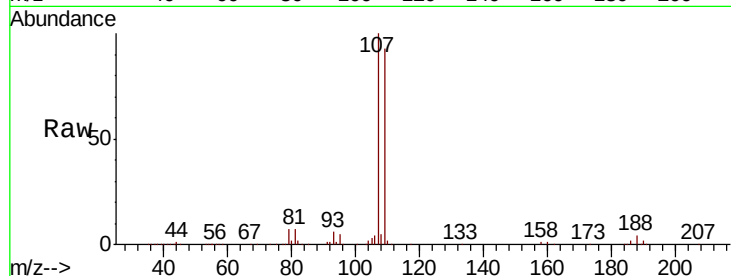
VSTDCCC050EC

Tot Ion:107 Resp: 235884

Ion Ratio Lower Upper

107 100

109 95.2 76.7 115.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

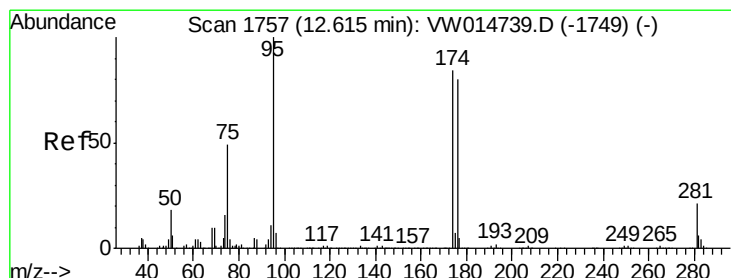
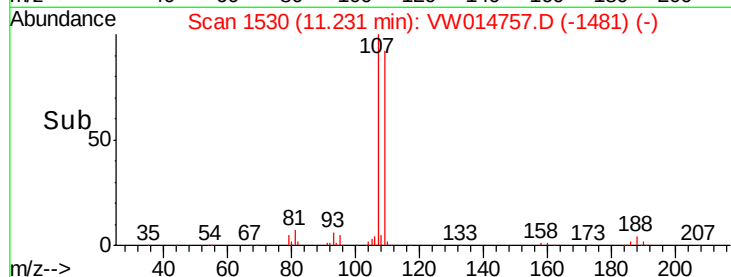
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.769 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

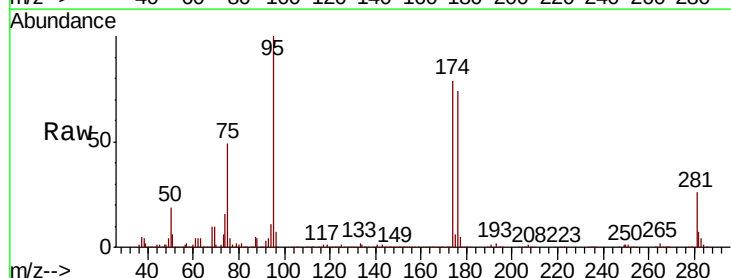
Tgt Ion: 95 Resp: 417511

Ion Ratio Lower Upper

95 100

174 80.0 0.0 163.0

176 77.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

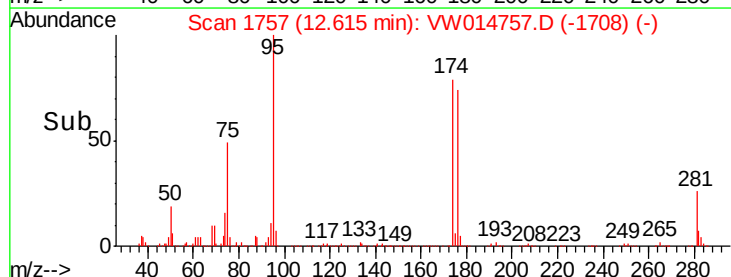
300000

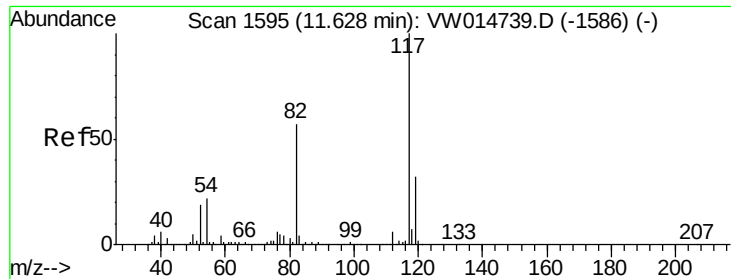
200000

100000

0

Time-->

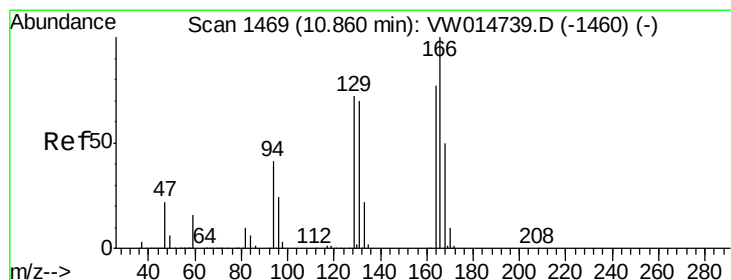
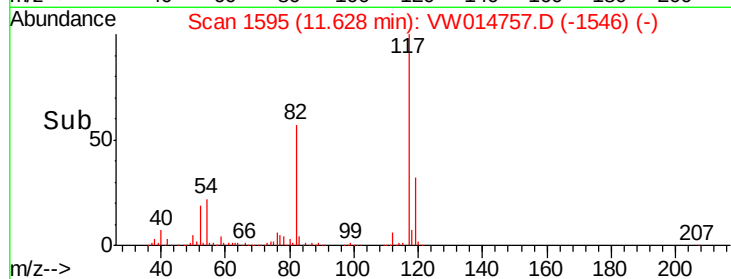
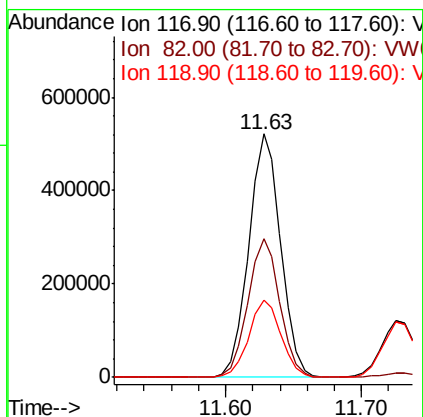
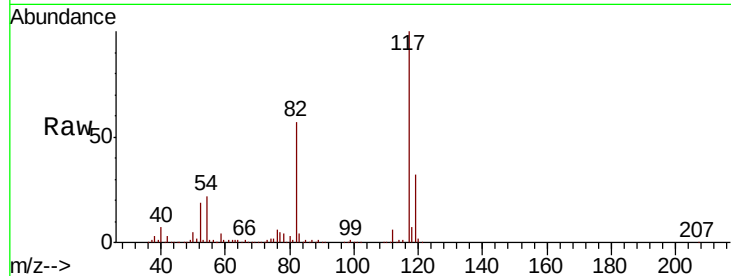




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

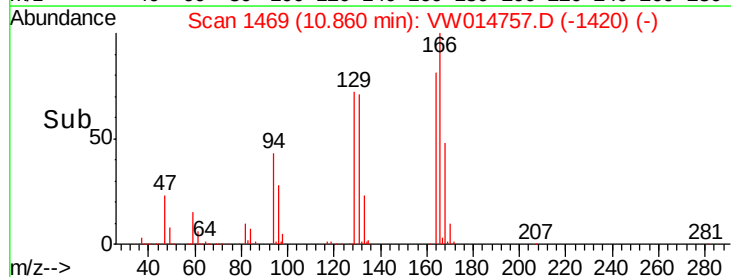
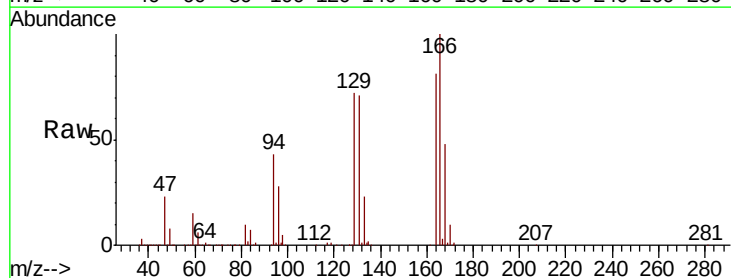
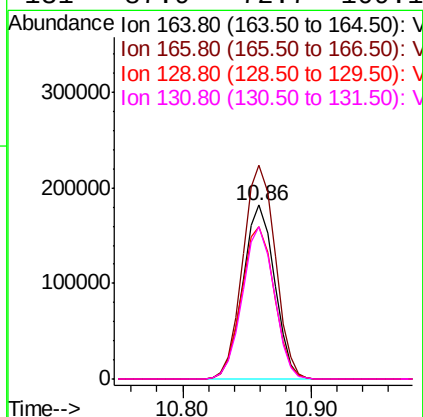
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

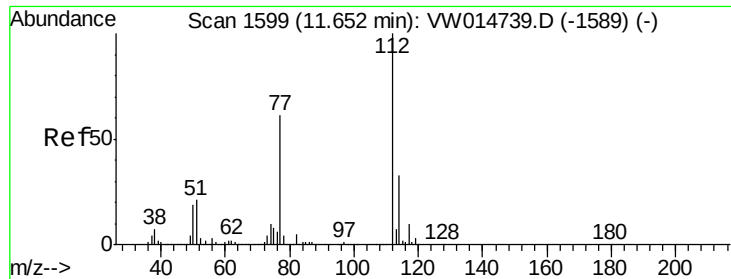
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.9	68.9
119	31.6	25.7	38.5



#64
Tetrachloroethene
Concen: 52.092 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	104.0	156.0
129	88.0	75.0	112.4
131	87.9	72.7	109.1

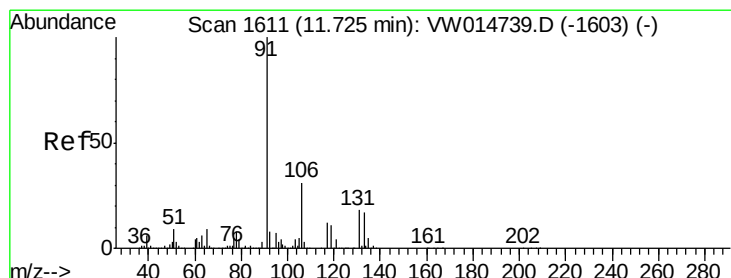
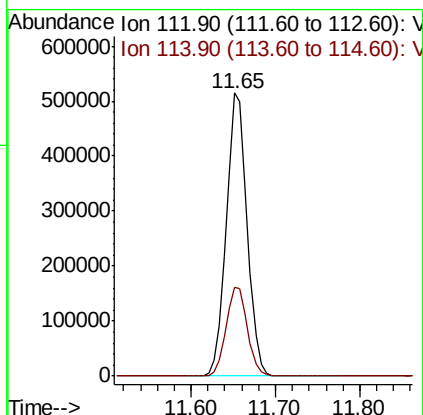
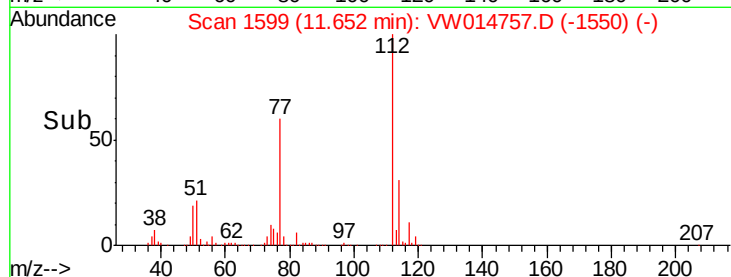
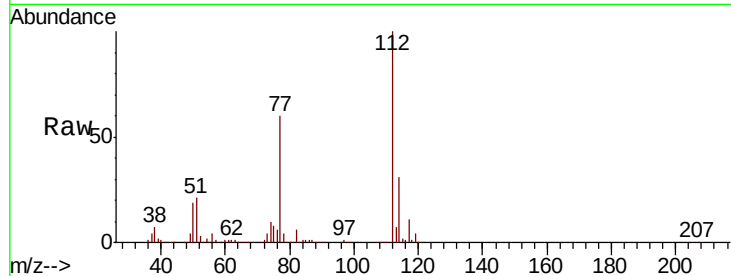




#65
Chlorobenzene
Concen: 50.102 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

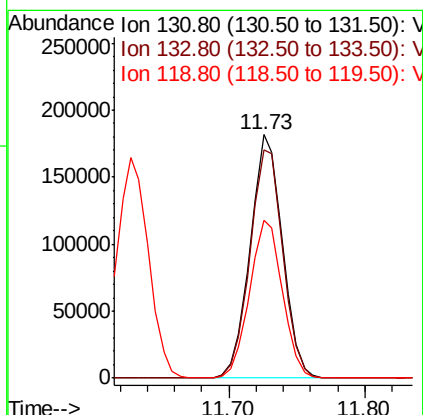
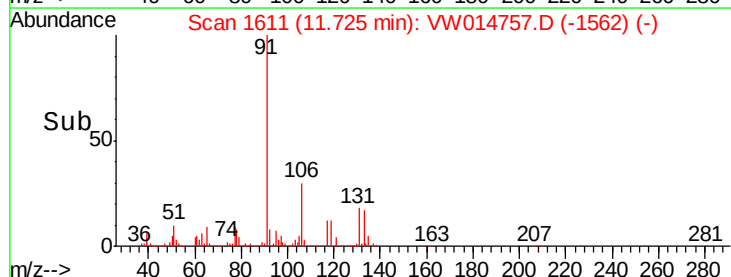
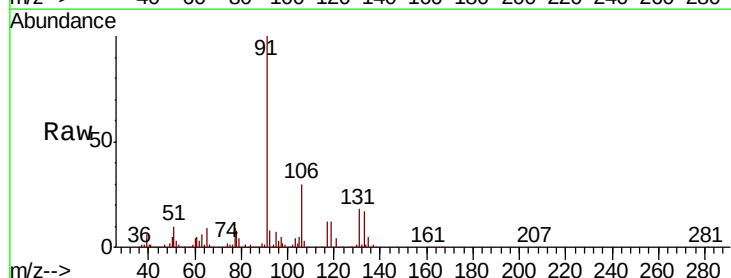
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

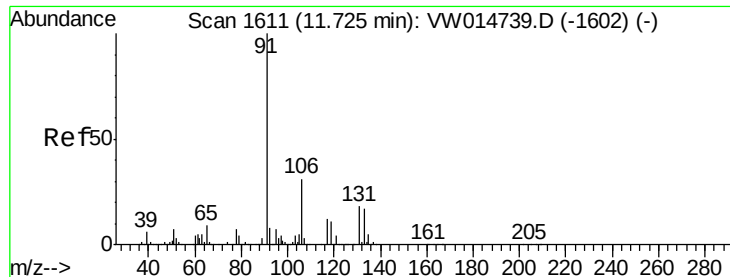
Tot Ion:112 Resp: 867655
Ion Ratio Lower Upper
112 100
114 31.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.523 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion:131 Resp: 302192
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 66.2 33.0 98.9

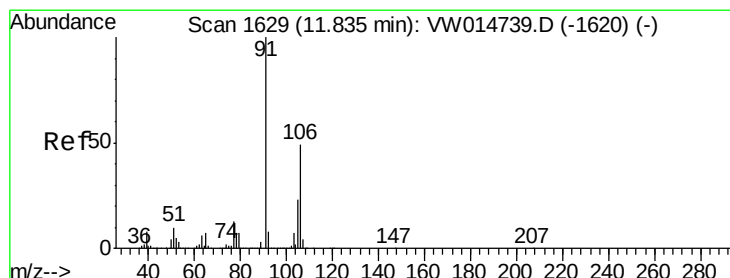
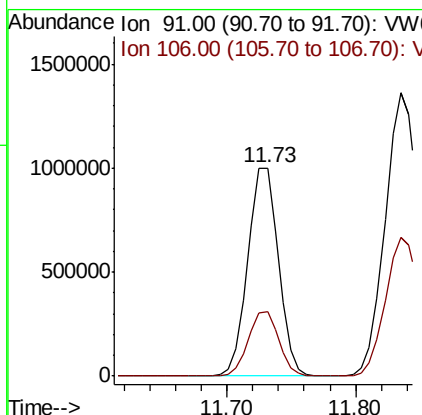
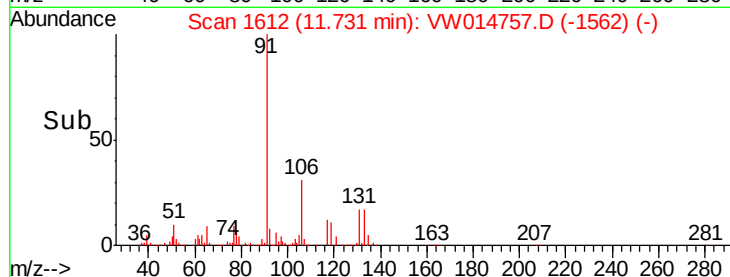
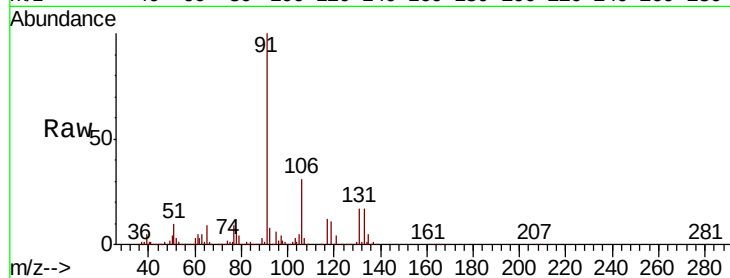




#67
Ethyl Benzene
Concen: 51.930 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

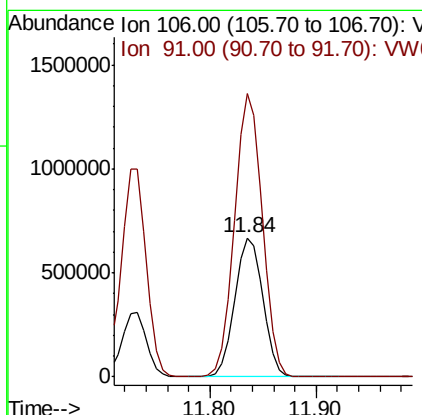
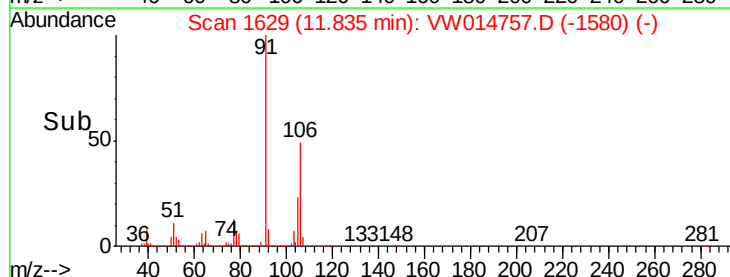
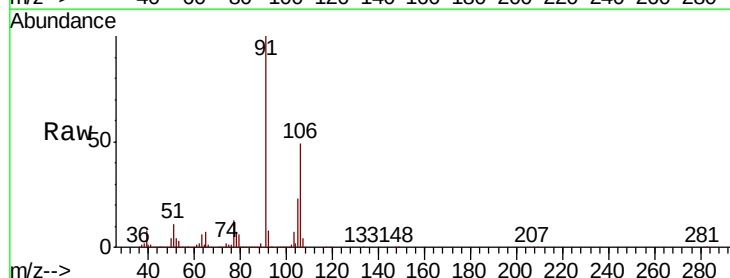
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

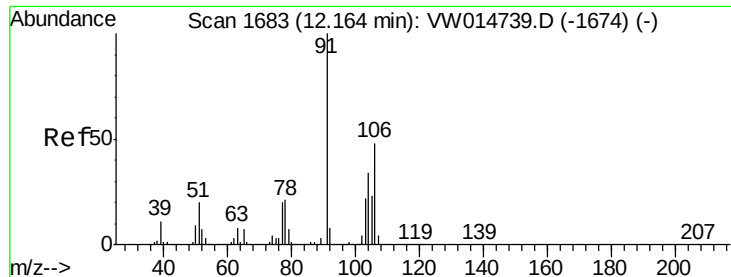
Tot Ion: 91 Resp: 1638426
Ion Ratio Lower Upper
91 100
106 30.9 24.5 36.7



#68
m/p-Xylenes
Concen: 104.030 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion: 106 Resp: 1240734
Ion Ratio Lower Upper
106 100
91 201.3 161.4 242.0

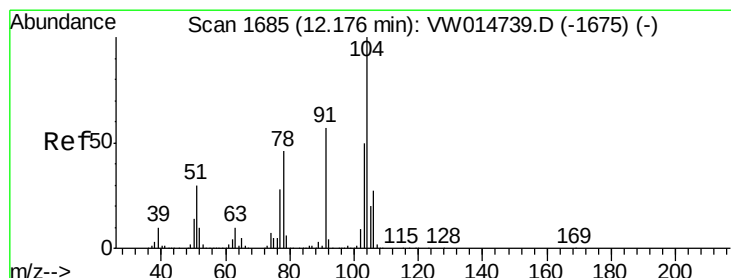
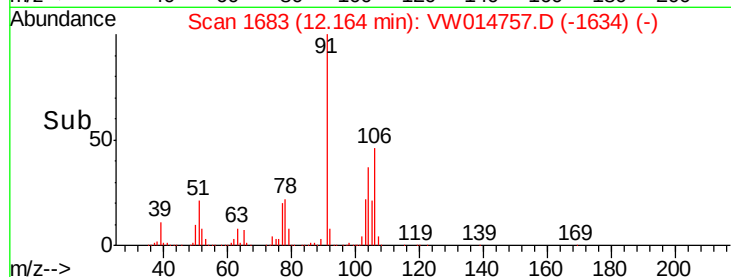
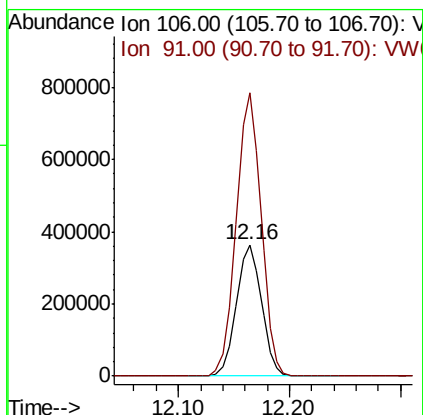
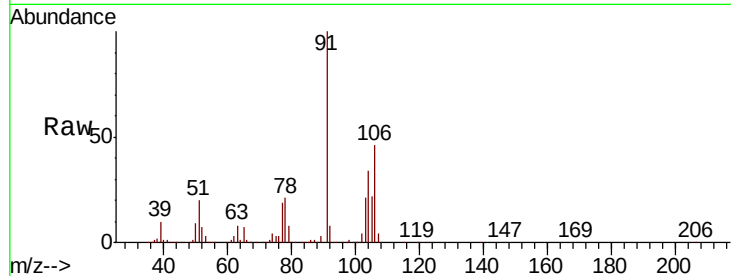




#69
o-Xylene
Concen: 52.797 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

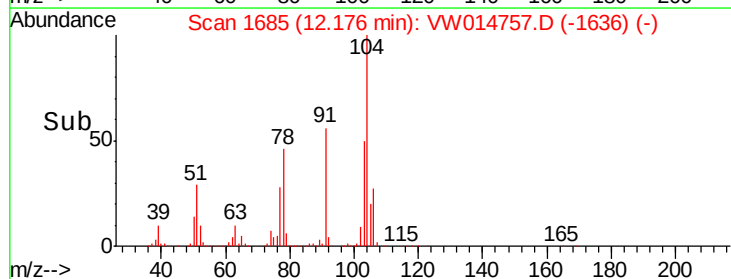
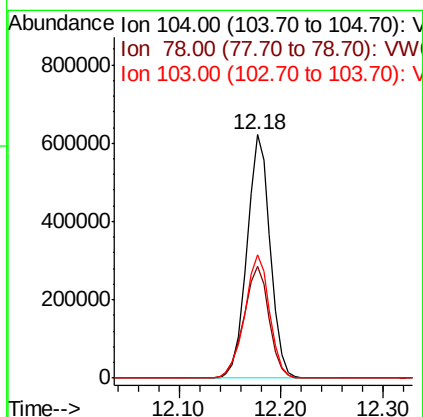
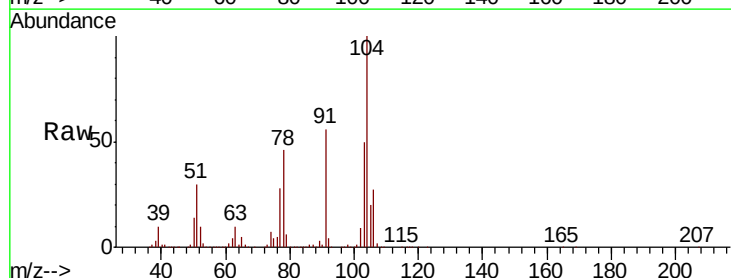
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

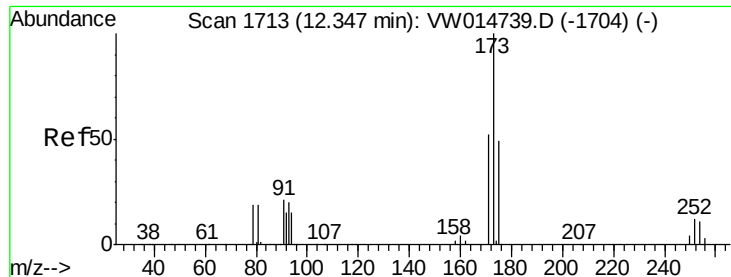
Tot Ion:106 Resp: 568280
Ion Ratio Lower Upper
106 100
91 214.2 107.1 321.3



#70
Styrene
Concen: 53.223 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion:104 Resp: 984747
Ion Ratio Lower Upper
104 100
78 50.0 39.8 59.8
103 54.2 44.0 66.0





#71

Bromoform

Concen: 54.848 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

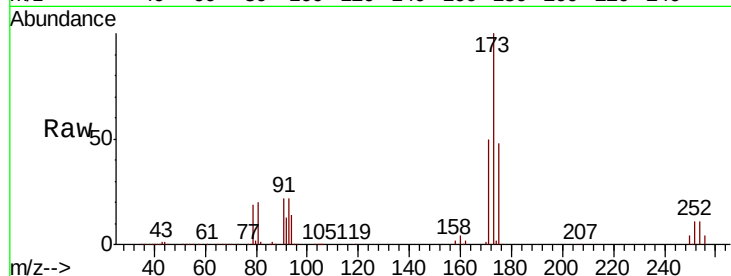
Tot Ion:173 Resp: 164814

Ion Ratio Lower Upper

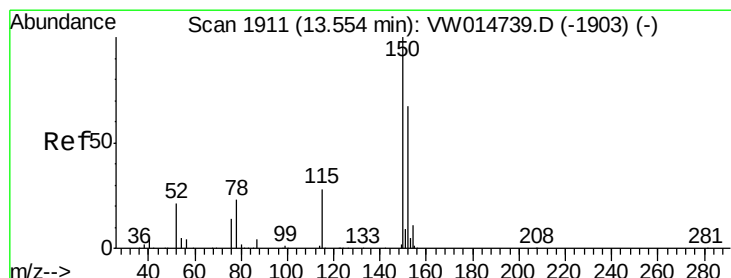
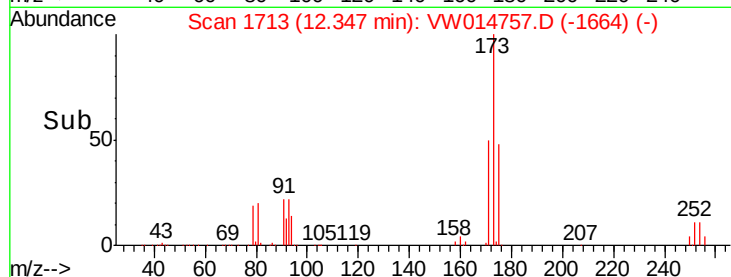
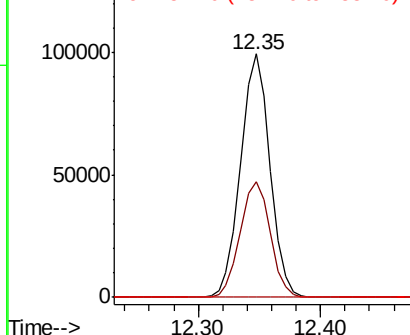
173 100

175 49.1 24.4 73.2

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: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

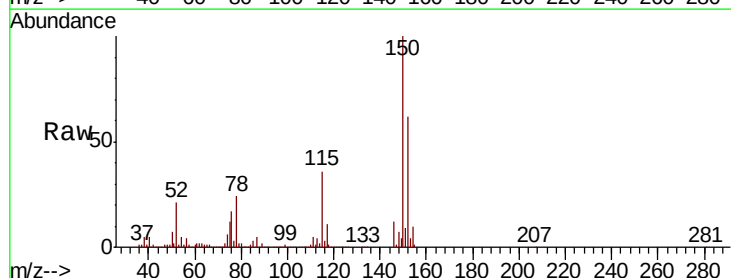
Tgt Ion:152 Resp: 418369

Ion Ratio Lower Upper

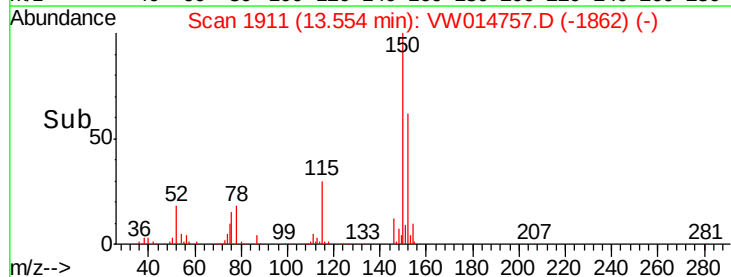
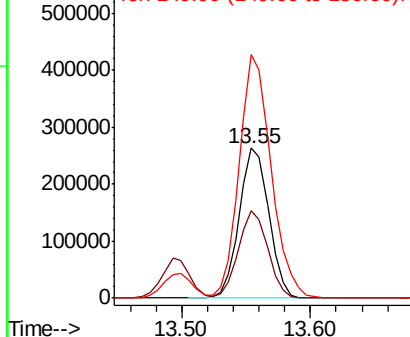
152 100

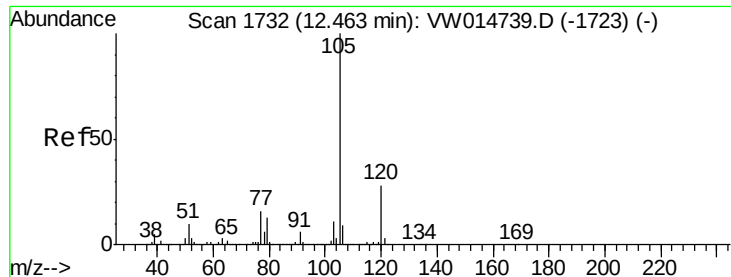
115 57.8 29.0 87.1

150 174.9 0.0 354.0



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





#73

Isopropylbenzene

Concen: 52.827 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

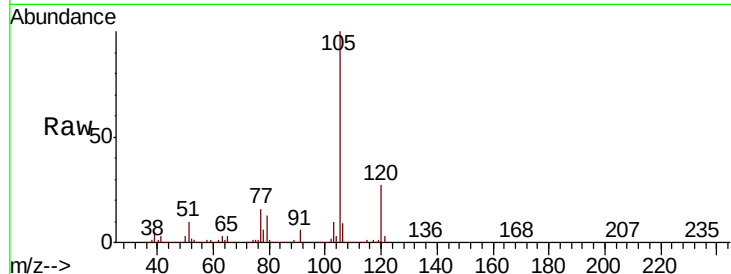
VSTDCCC050EC

Tot Ion:105 Resp: 1568279

Ion Ratio Lower Upper

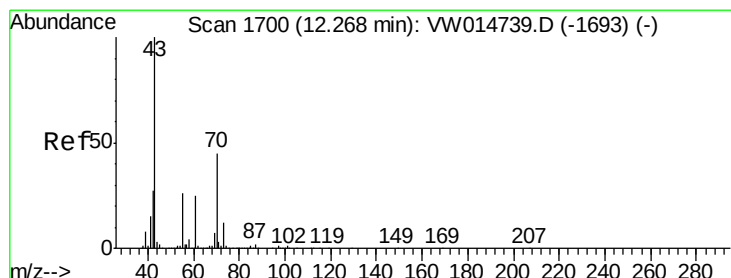
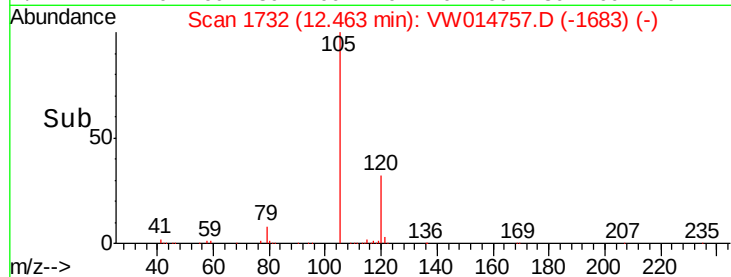
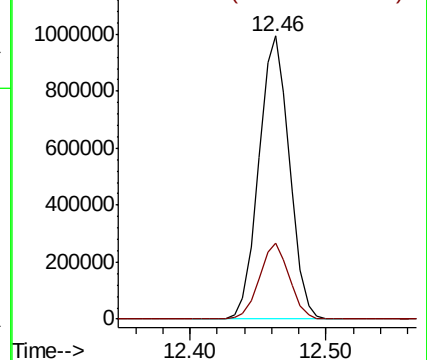
105 100

120 26.4 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 59.376 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Tgt Ion: 43 Resp: 419824

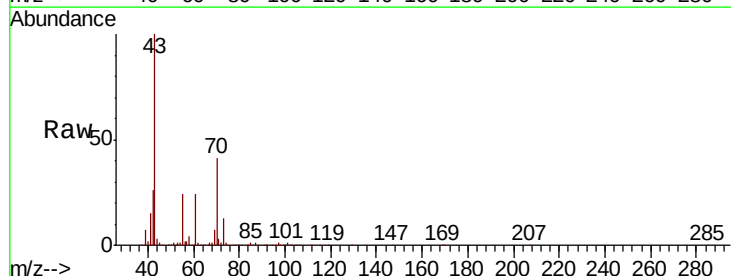
Ion Ratio Lower Upper

43 100

70 42.9 34.6 52.0

55 25.3 20.6 30.8

61 24.2 19.4 29.2

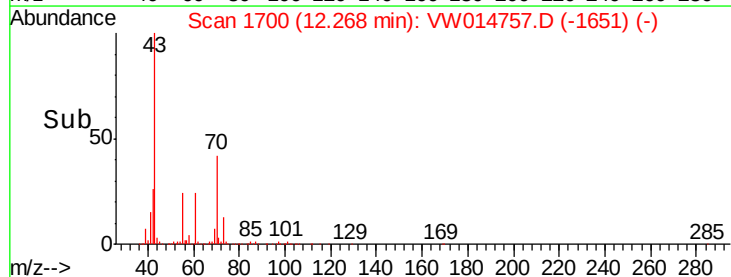
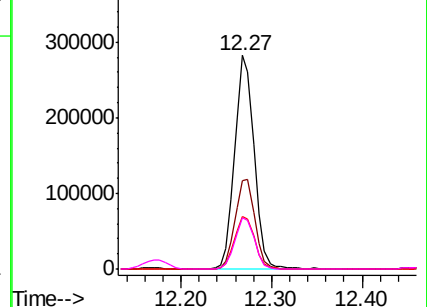


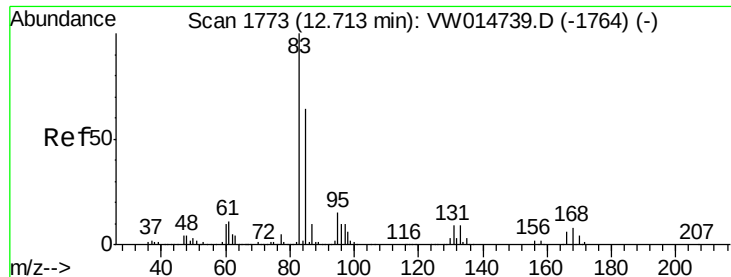
Abundance Ion 43.00 (42.70 to 43.70): VV

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





#75

1,1,2,2-Tetrachloroethane

Concen: 56.197 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

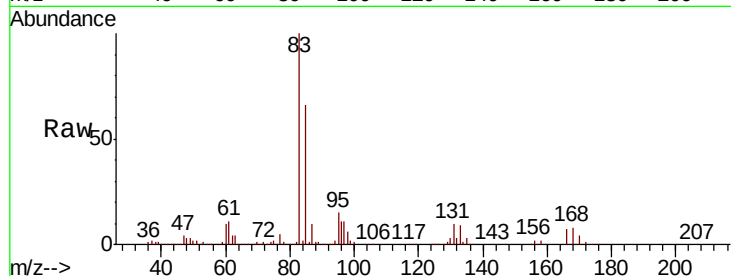
Tot Ion: 83 Resp: 304513

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.4

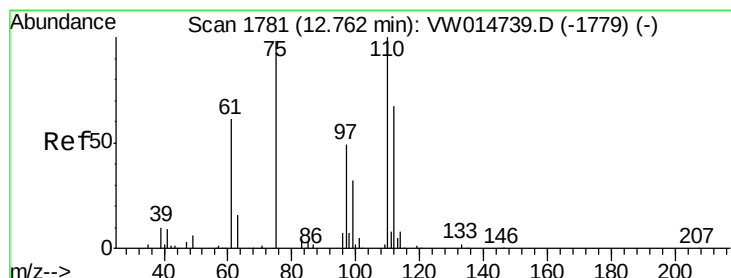
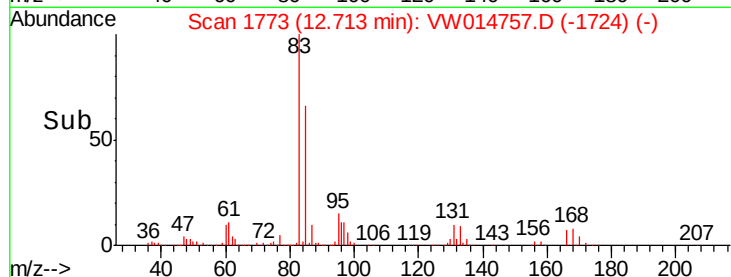
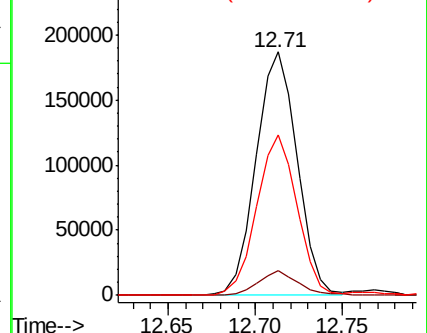
85 64.7 32.0 96.0



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: 93.743 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.01 min

Lab File: VW014757.D

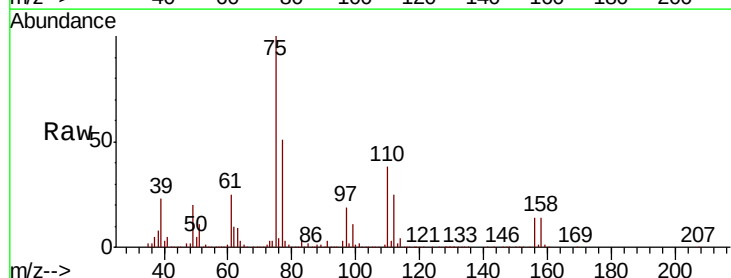
Acq: 24 Jan 2020 20:53

Tgt Ion: 75 Resp: 389387

Ion Ratio Lower Upper

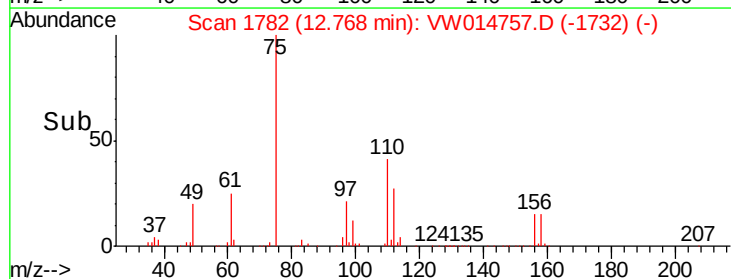
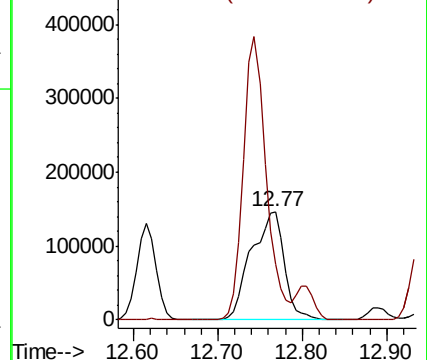
75 100

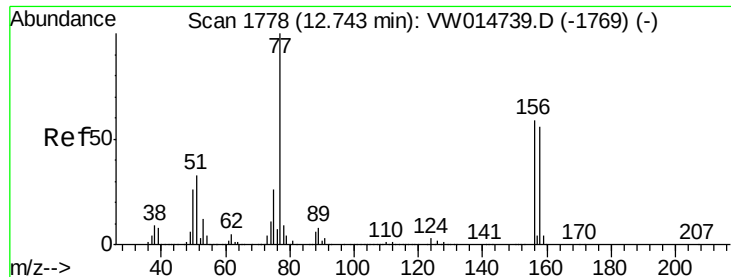
77 0.0 167.9 503.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.381 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

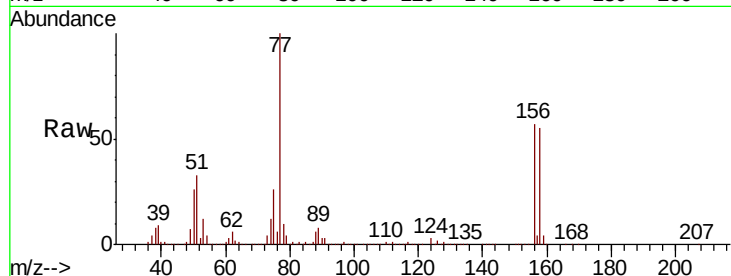
Tot Ion:156 Resp: 357570

Ion Ratio Lower Upper

156 100

77 196.0 94.5 283.5

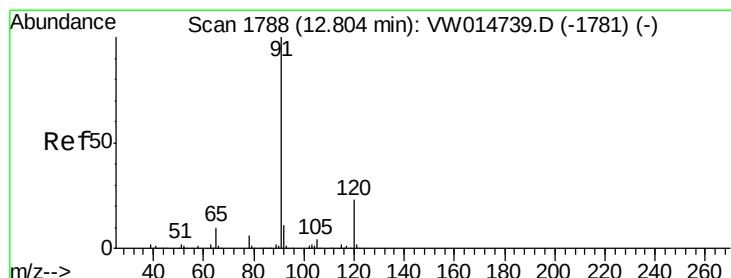
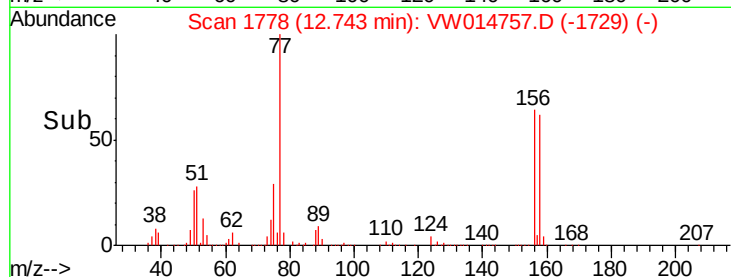
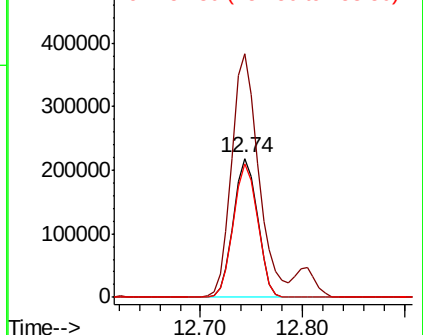
158 96.8 48.3 144.8



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: 52.158 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014757.D

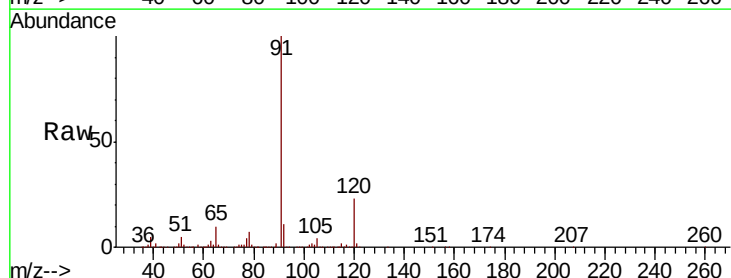
Acq: 24 Jan 2020 20:53

Tgt Ion: 91 Resp: 1886230

Ion Ratio Lower Upper

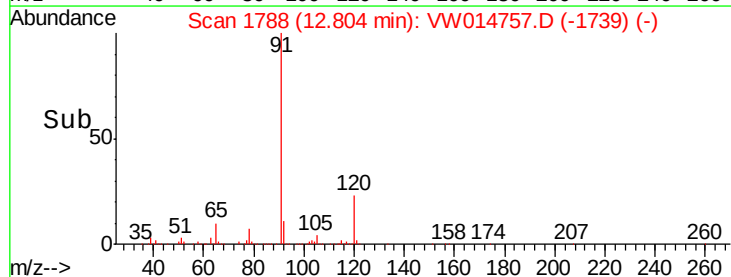
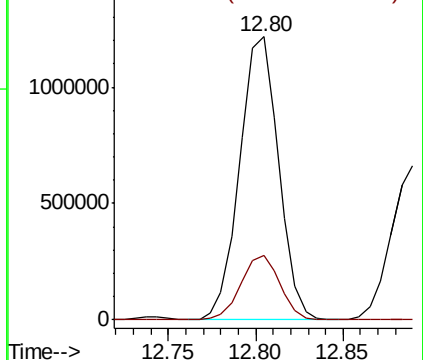
91 100

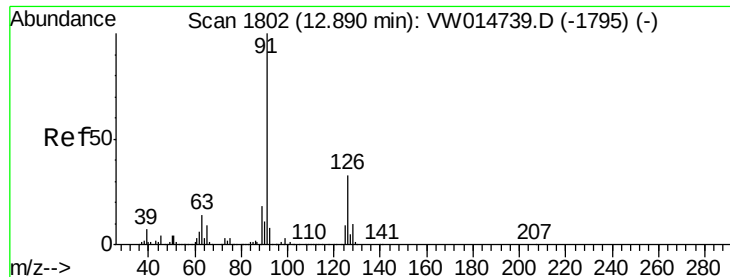
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.542 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

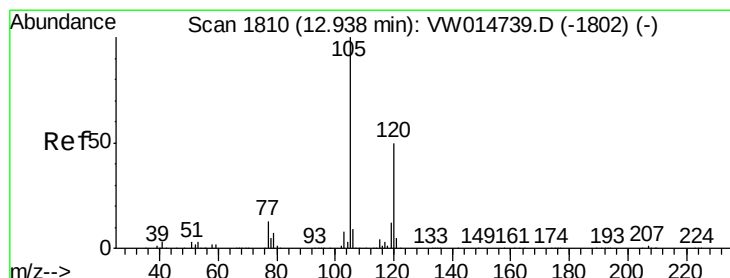
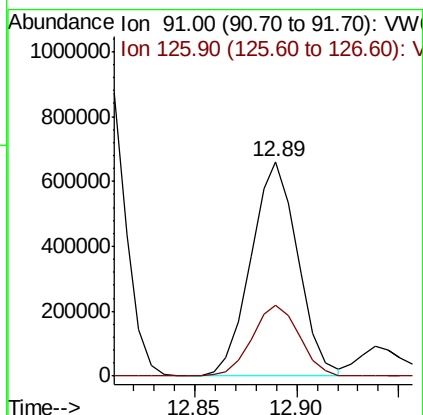
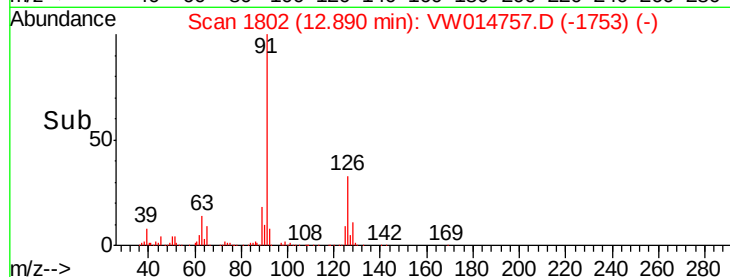
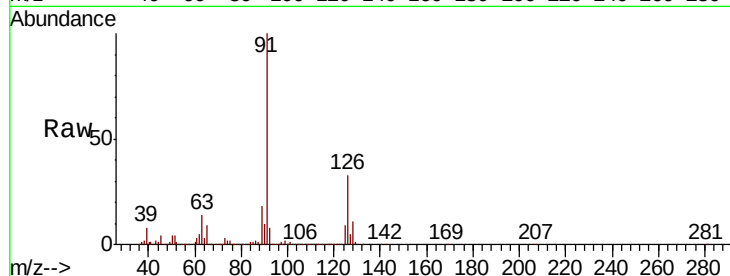
VSTDCCC050EC

Tot Ion: 91 Resp: 1055450

Ion Ratio Lower Upper

91 100

126 33.2 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 52.018 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014757.D

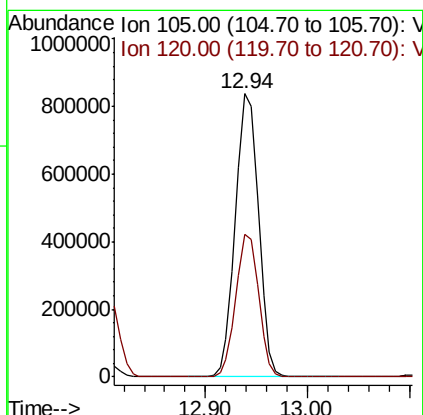
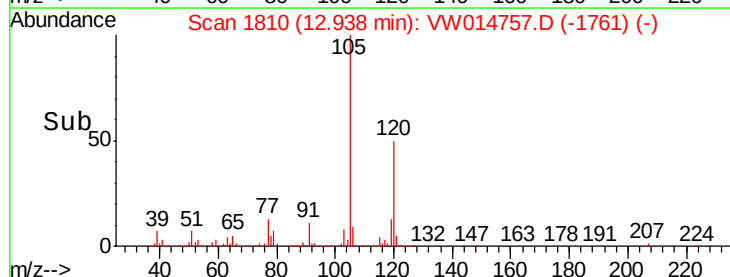
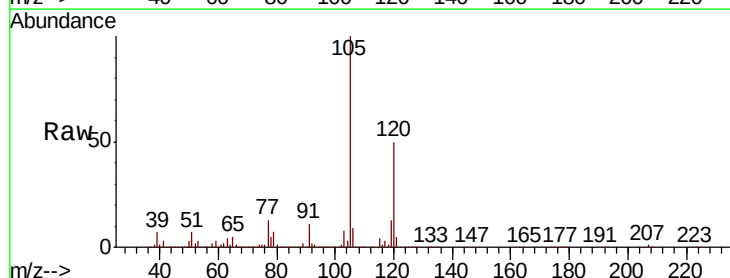
Acq: 24 Jan 2020 20:53

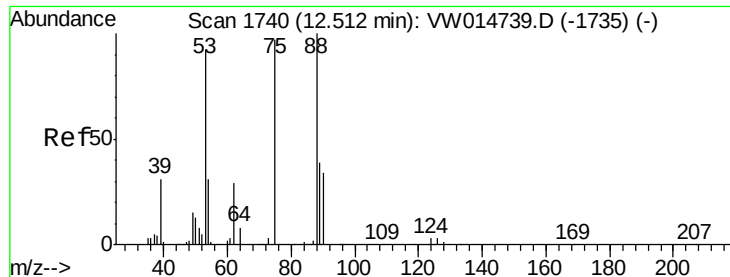
Tgt Ion:105 Resp: 1313649

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.594 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

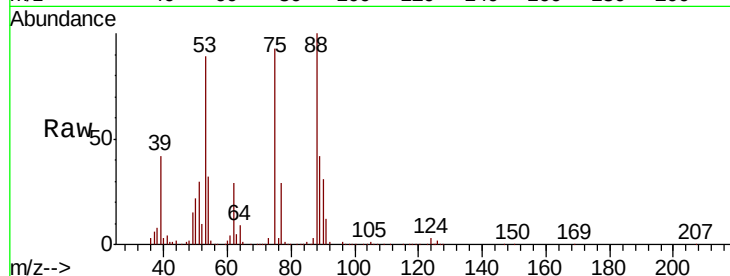
Tot Ion: 75 Resp: 97573

Ion Ratio Lower Upper

75 100

53 97.4 77.0 115.4

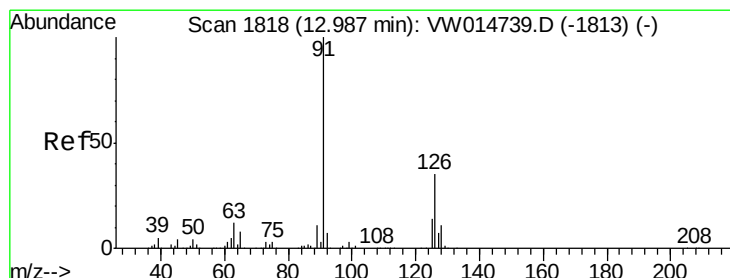
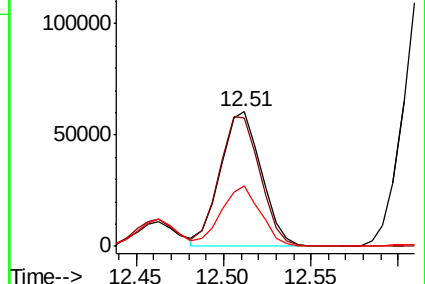
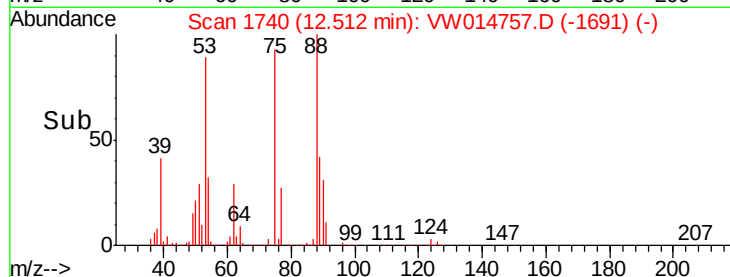
89 43.9 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 51.244 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW014757.D

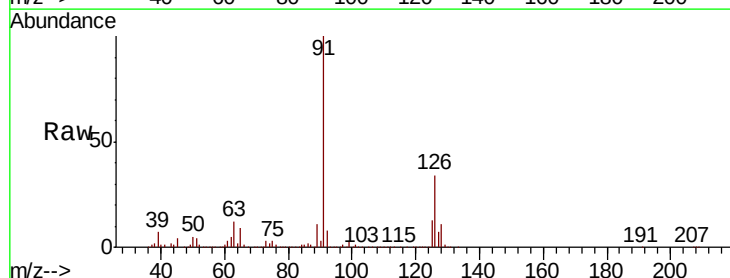
Acq: 24 Jan 2020 20:53

Tgt Ion: 91 Resp: 1097256

Ion Ratio Lower Upper

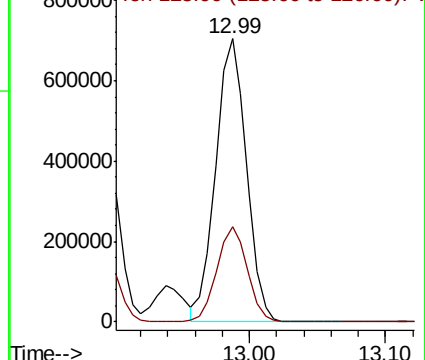
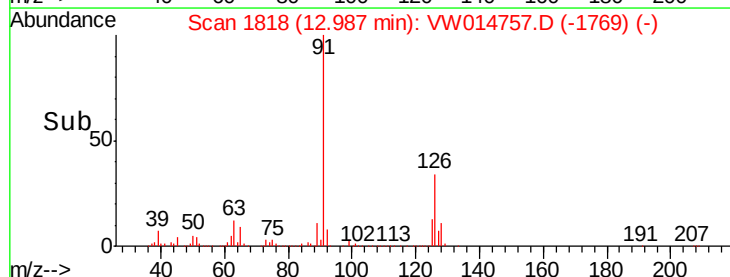
91 100

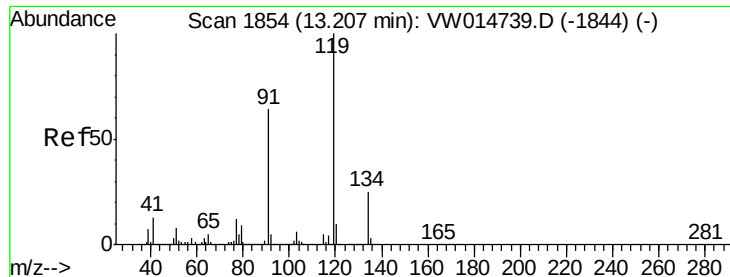
126 33.5 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

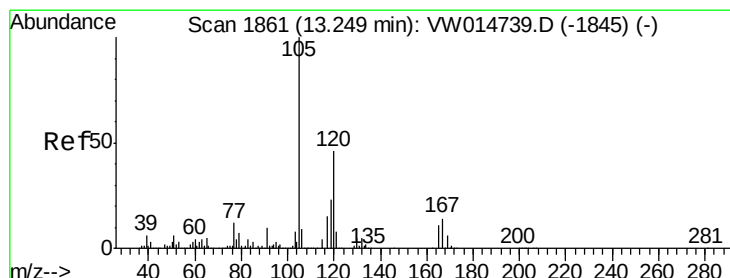
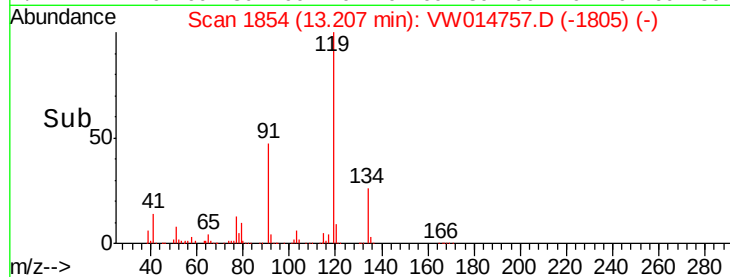
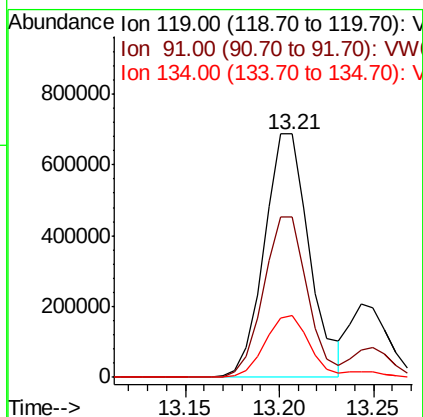
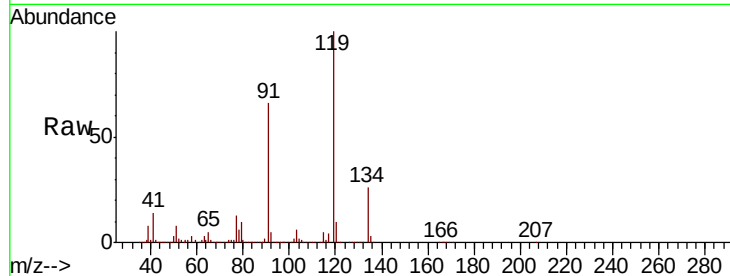




#83
 tert-Butylbenzene
 Concen: 52.356 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

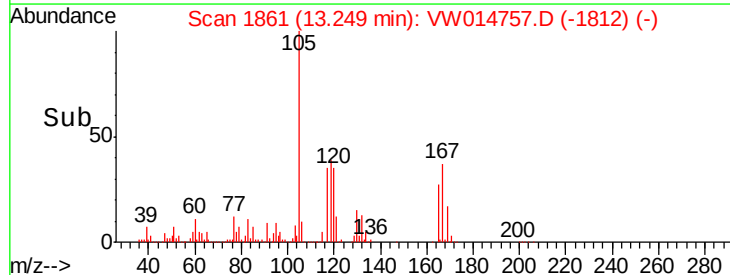
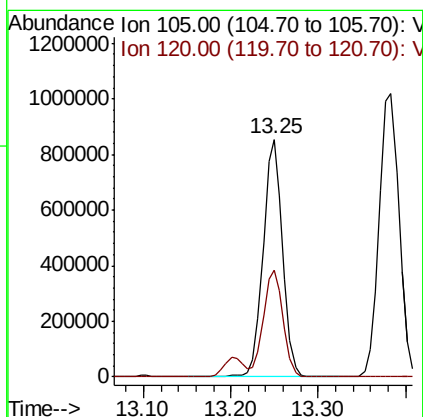
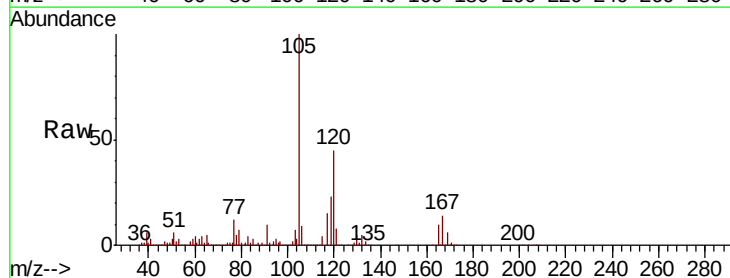
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

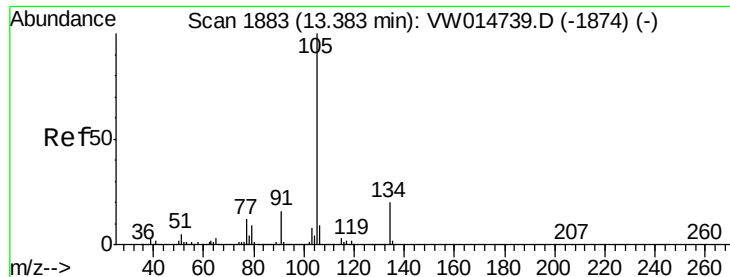
Tot Ion:119 Resp: 1143941
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.1 96.3
 134 26.7 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 52.193 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Tgt Ion:105 Resp: 1317156
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.3 69.8





#85

sec-Butylbenzene

Concen: 52.204 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

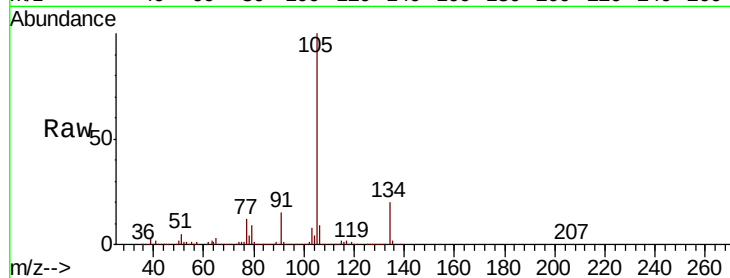
VSTDCCC050EC

Tot Ion:105 Resp: 1606180

Ion Ratio Lower Upper

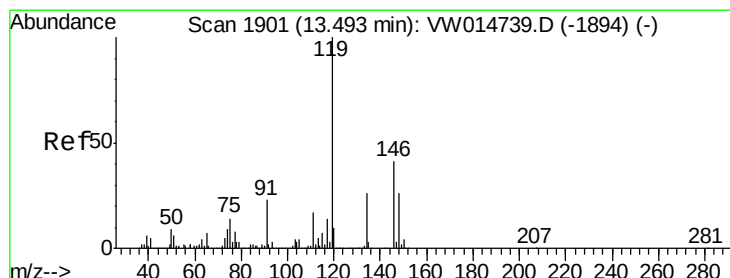
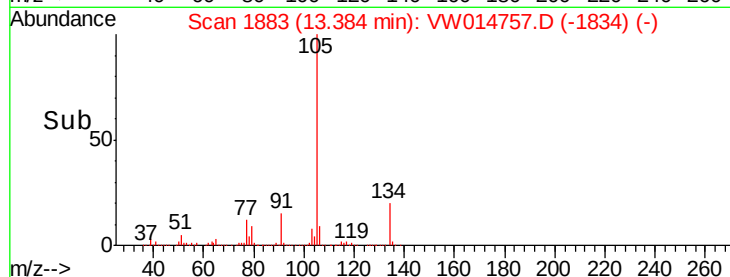
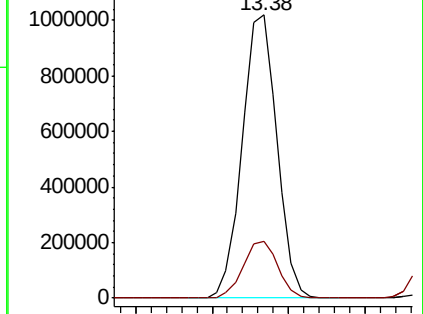
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.871 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

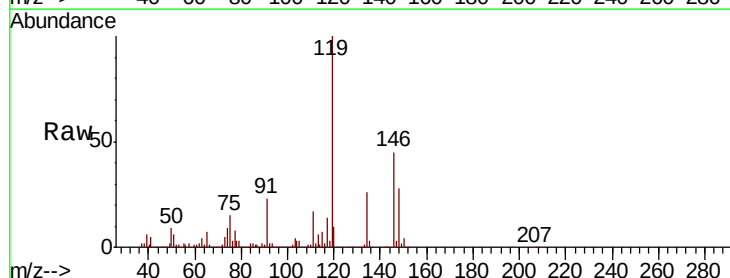
Tgt Ion:119 Resp: 1445707

Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

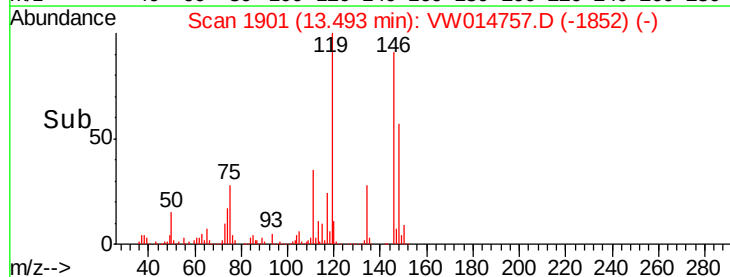
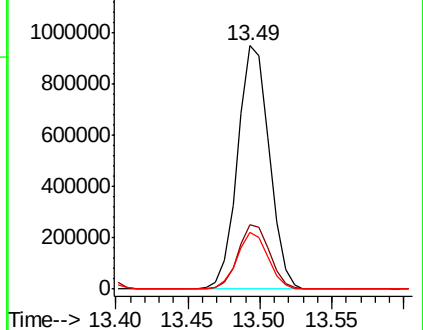
91 22.7 11.4 34.2

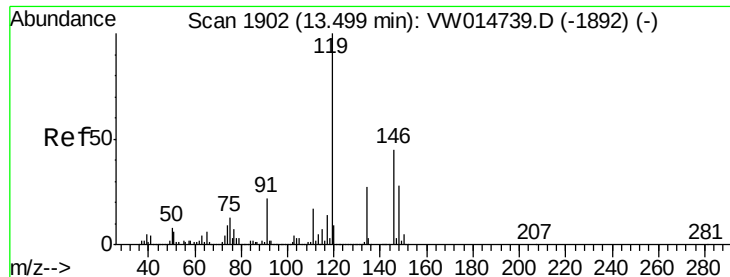


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.967 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

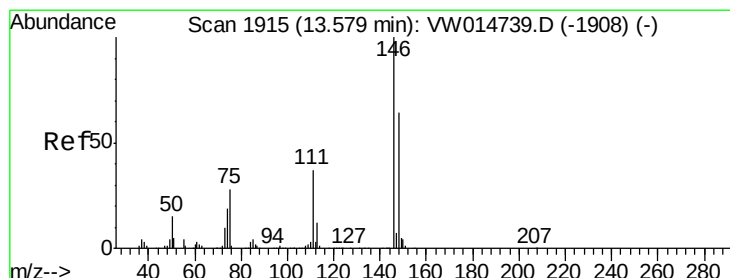
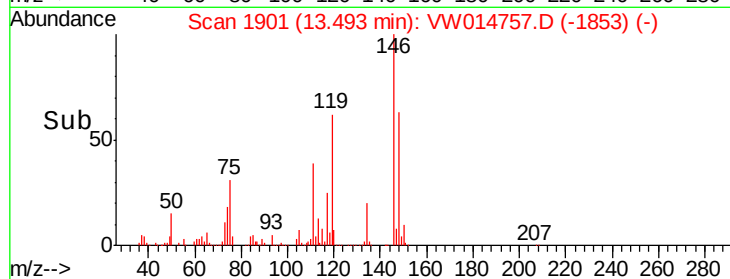
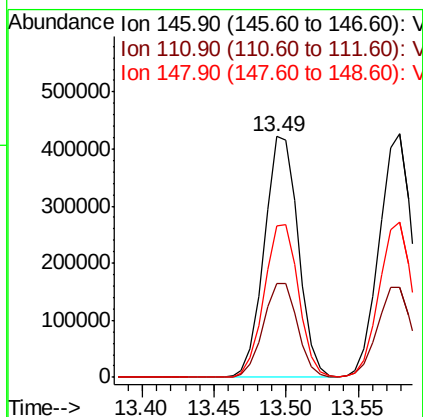
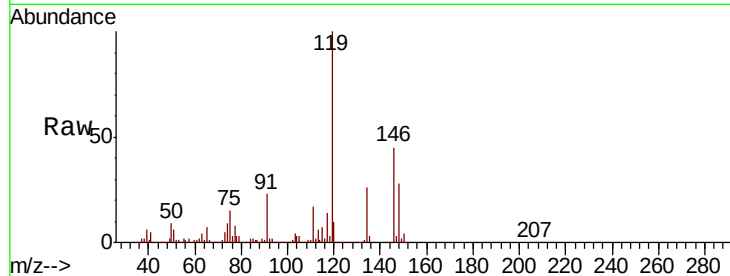
Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 690437

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.4
148	64.0	31.6	95.0



#88

1,4-Dichlorobenzene

Concen: 51.103 ug/l

RT: 13.58 min Scan# 1915

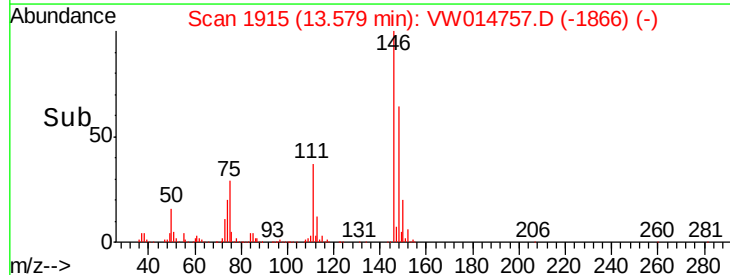
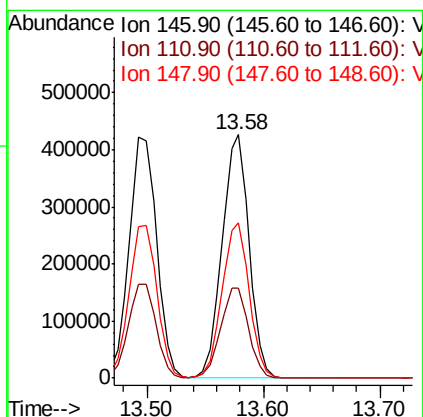
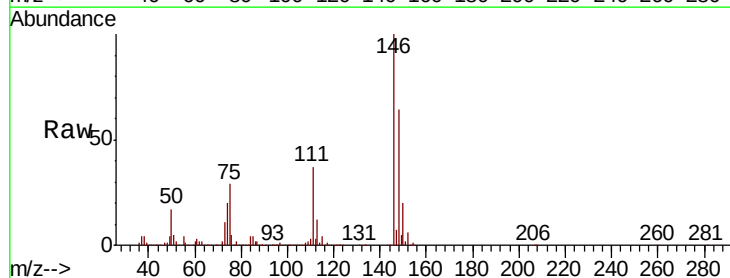
Delta R.T. 0.00 min

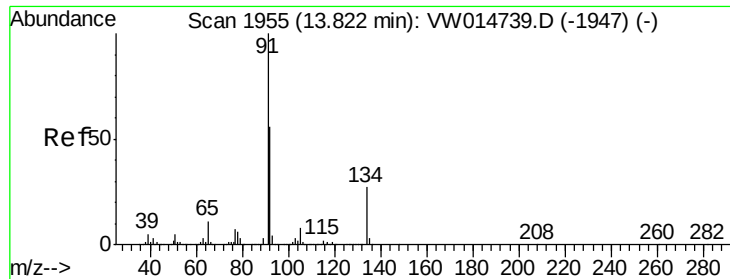
Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Tgt Ion:146 Resp: 682374

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.4
148	64.0	32.0	96.2





#89

n-Butylbenzene

Concen: 51.729 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014757.D

Acq: 24 Jan 2020 20:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

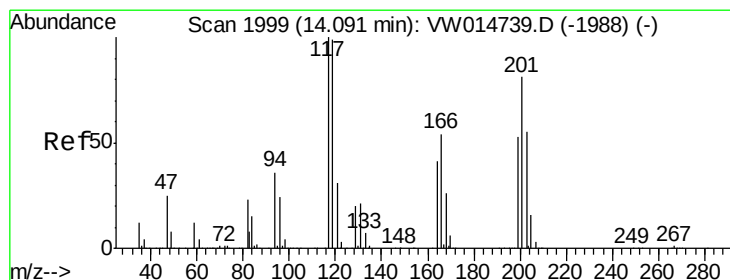
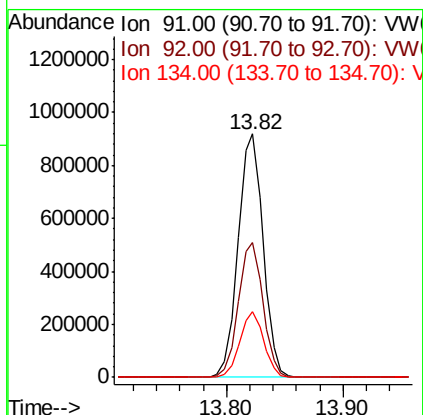
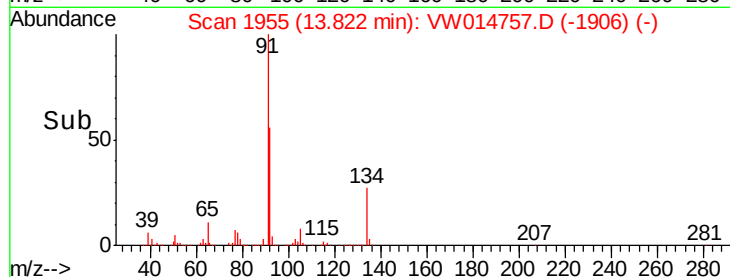
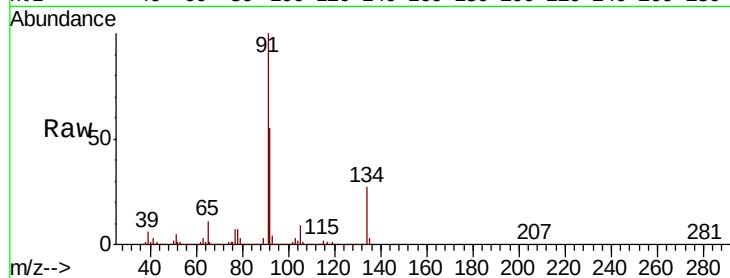
Tot Ion: 91 Resp: 1375255

Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	26.0	13.1	39.1

91 100

92 54.7 27.5 82.4

134 26.0 13.1 39.1



#90

Hexachloroethane

Concen: 51.077 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014757.D

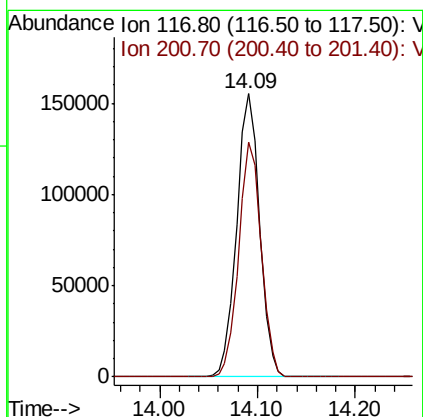
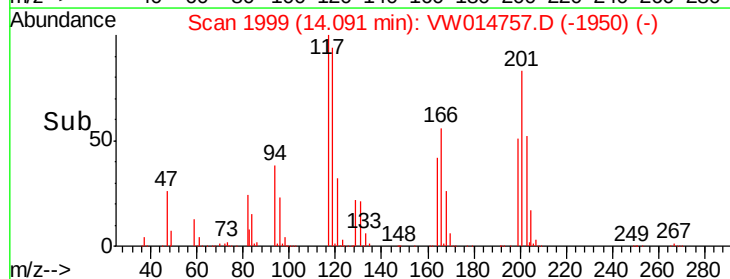
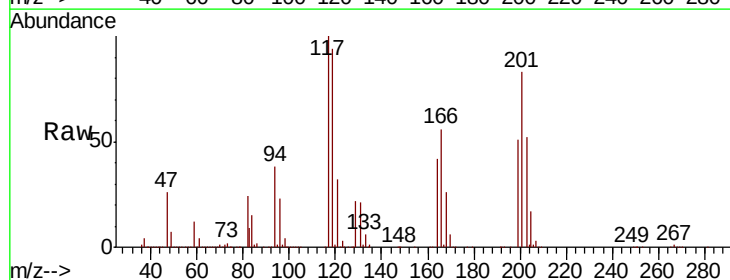
Acq: 24 Jan 2020 20:53

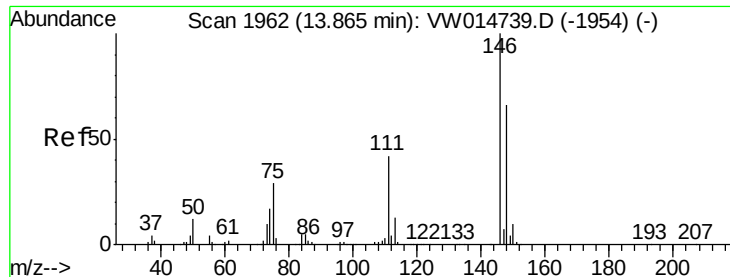
Tgt Ion: 117 Resp: 252591

Ion	Ratio	Lower	Upper
117	100		
201	81.6	41.6	124.9

117 100

201 81.6 41.6 124.9

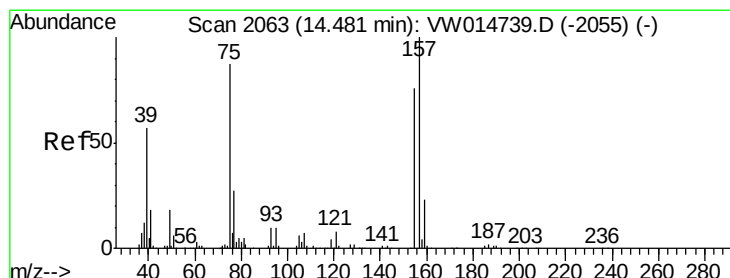
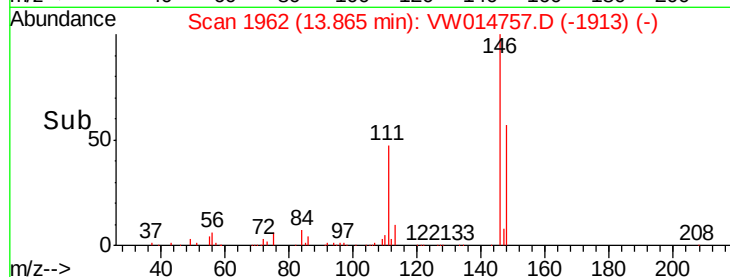
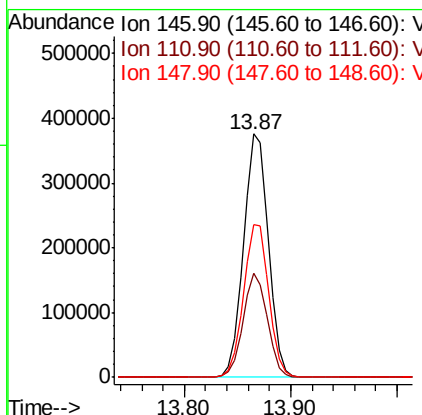
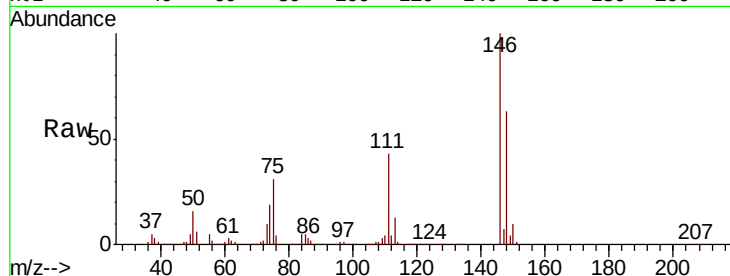




#91
 1,2-Dichlorobenzene
 Concen: 51.854 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

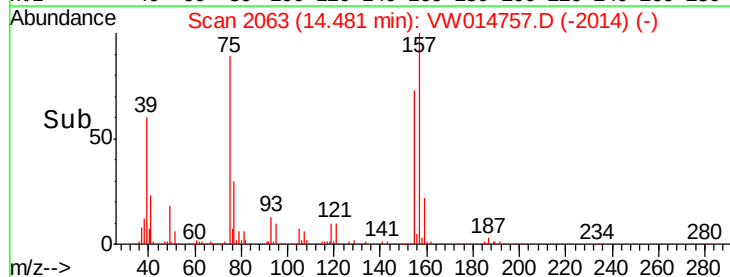
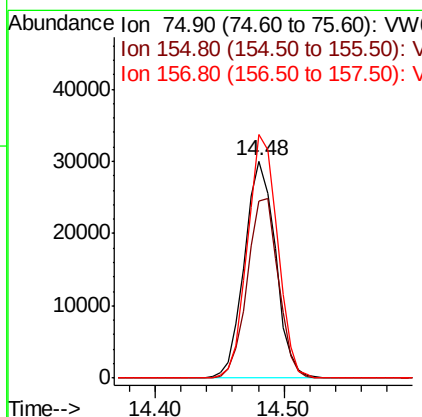
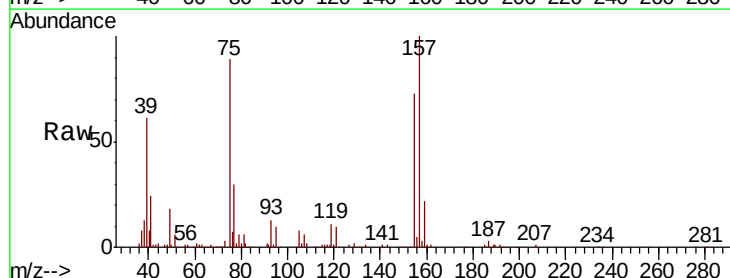
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

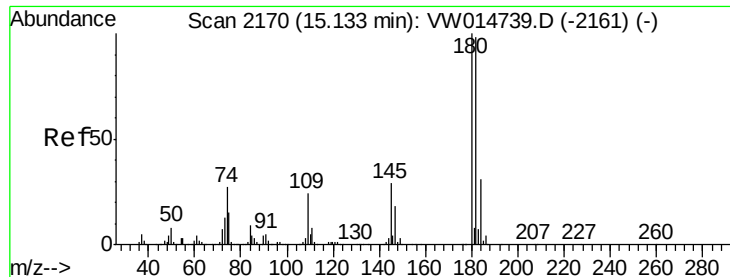
Tot Ion:146 Resp: 616123
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.7 62.1
 148 63.7 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.036 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Tgt Ion: 75 Resp: 50077
 Ion Ratio Lower Upper
 75 100
 155 82.5 42.5 127.5
 157 108.6 54.8 164.4

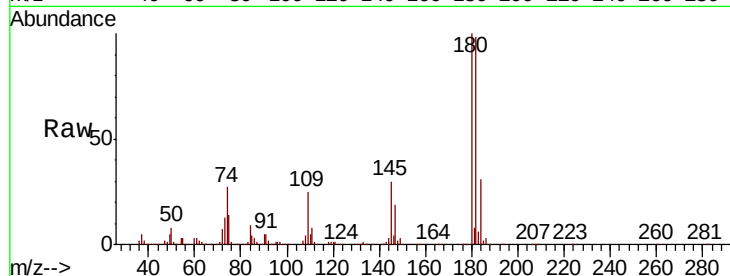




#93
 1,2,4-Trichlorobenzene
 Concen: 54.130 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.6	145.9
145	29.6	14.7	44.1

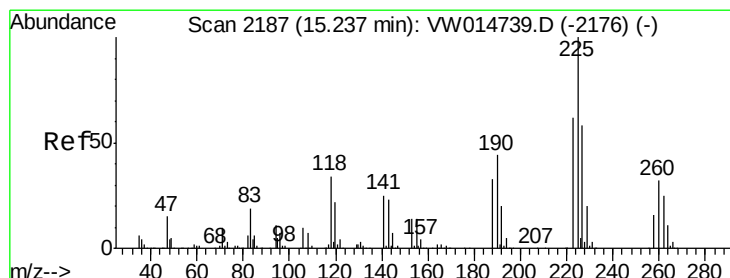
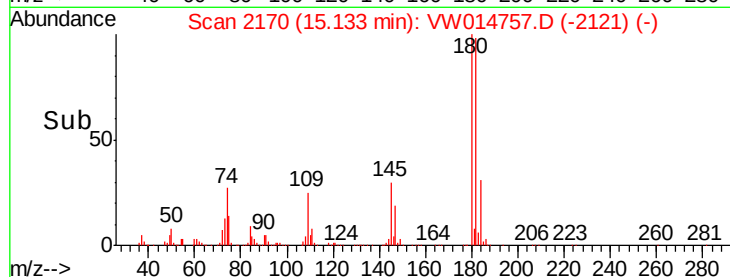
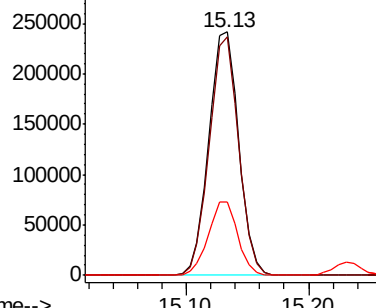


Abundance

Ion 179.80 (179.50 to 180.50): V

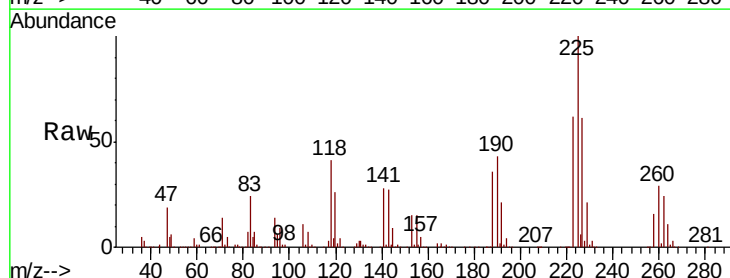
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.741 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW014757.D
 Acq: 24 Jan 2020 20:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.3
227	63.4	30.9	92.8

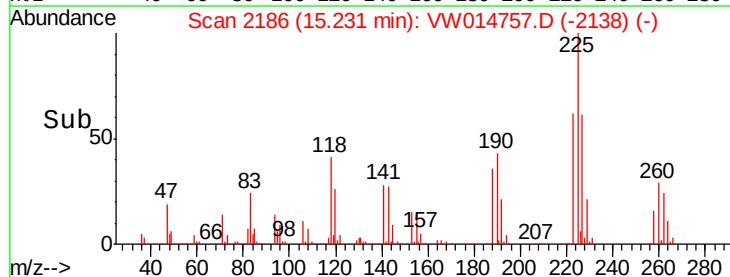
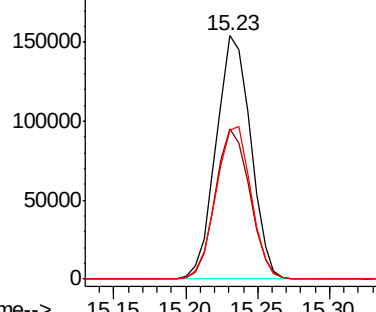


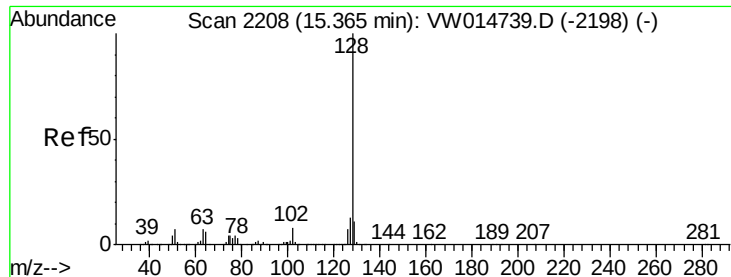
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

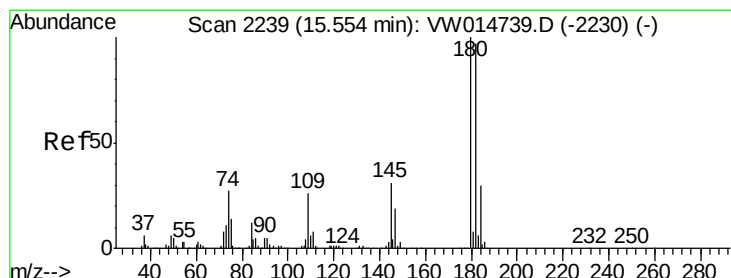
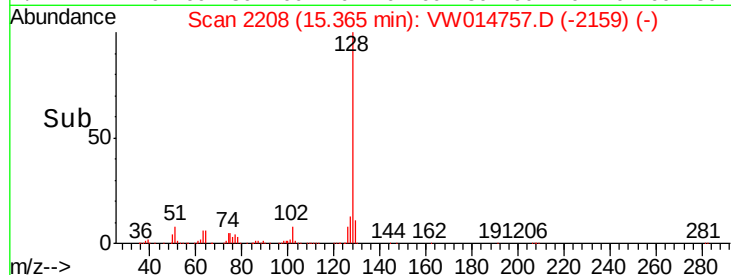
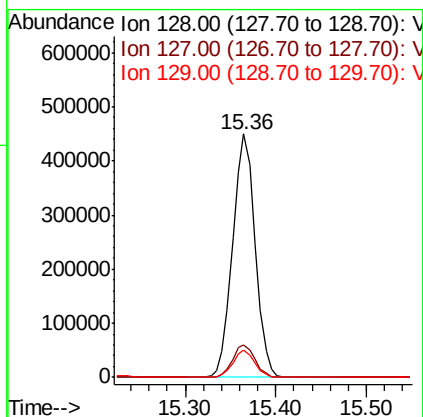
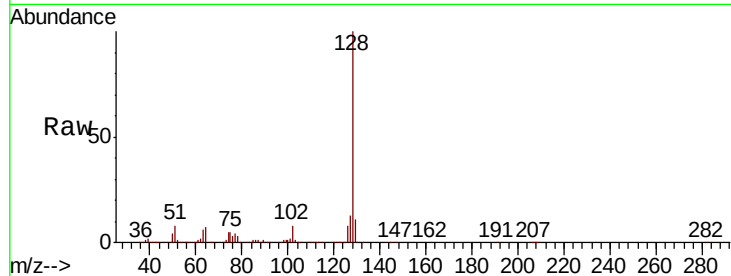




#95
Naphthalene
Concen: 55.102 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 773786
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 54.626 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014757.D
Acq: 24 Jan 2020 20:53

Tgt Ion:180 Resp: 353223
Ion Ratio Lower Upper
180 100
182 95.9 47.2 141.6
145 31.1 15.4 46.4

