

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012420\
 Data File : VW014740.D
 Acq On : 24 Jan 2020 12:18
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 24 12:48:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 12:36:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	727712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1104347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	971924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	481166	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	659596	101.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.46%	
35) Dibromofluoromethane	7.88	113	614175	96.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.82%	
50) Toluene-d8	10.32	98	2584164	96.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.96%	
62) 4-Bromofluorobenzene	12.62	95	873463	96.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	457923	106.48	ug/l	100
3) Chloromethane	2.21	50	549704	103.92	ug/l	99
4) Vinyl Chloride	2.36	62	890668	113.70	ug/l	99
5) Bromomethane	2.75	94	288527	60.73	ug/l	99
6) Chloroethane	2.92	64	506048	114.01	ug/l	100
7) Trichlorofluoromethane	3.25	101	443852	114.13	ug/l	99
8) Diethyl Ether	3.67	74	360822	97.43	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	681370	97.14	ug/l	100
10) Methyl Iodide	4.27	142	989119	94.27	ug/l	99
11) Tert butyl alcohol	5.16	59	235677	435.73	ug/l	99
12) 1,1-Dichloroethene	4.04	96	722395	98.44	ug/l	98
13) Acrolein	3.89	56	295614	554.95	ug/l	100
14) Allyl chloride	4.66	41	1198370	105.44	ug/l	99
15) Acrylonitrile	5.35	53	862004	515.19	ug/l	99
16) Acetone	4.11	43	797536	450.81	ug/l	98
17) Carbon Disulfide	4.38	76	2288928	102.51	ug/l	100
18) Methyl Acetate	4.66	43	380761	90.25	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	919814	101.14	ug/l	99
20) Methylene Chloride	4.91	84	728275	86.23	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	747682	95.94	ug/l	99
22) Diisopropyl ether	6.31	45	2144392	100.76	ug/l	100
23) Vinyl Acetate	6.24	43	6740080	531.59	ug/l	100
24) 1,1-Dichloroethane	6.21	63	1327926	99.50	ug/l	99
25) 2-Butanone	7.17	43	1126212	495.43	ug/l	99
26) 2,2-Dichloropropane	7.16	77	695418	94.04	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	784169	95.95	ug/l	99
28) Bromochloromethane	7.51	49	523687	101.06	ug/l	100
29) Tetrahydrofuran	7.52	42	724107	511.45	ug/l	99
30) Chloroform	7.67	83	1207721	96.92	ug/l	97
31) Cyclohexane	7.95	56	1317411	95.23	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	985520	98.44	ug/l	99
36) 1,1-Dichloropropene	8.07	75	1052281	97.39	ug/l	100
37) Ethyl Acetate	7.24	43	489833	102.51	ug/l	99
38) Carbon Tetrachloride	8.06	117	921284	98.36	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1343232	97.66	ug/l	99
40) Benzene	8.32	78	2922005	95.65	ug/l	100
41) Methacrylonitrile	7.48	41	287040	107.07	ug/l	98
42) 1,2-Dichloroethane	8.40	62	787181	98.98	ug/l	99
43) Isopropyl Acetate	8.42	43	906515	103.70	ug/l	99
44) Trichloroethene	9.09	130	764181	93.25	ug/l	98
45) 1,2-Dichloropropane	9.37	63	735984	98.08	ug/l	97
46) Dibromomethane	9.45	93	348327	95.44	ug/l	99
47) Bromodichloromethane	9.64	83	906284	99.20	ug/l	98
48) Methyl methacrylate	9.43	41	457017	108.19	ug/l	94
49) 1,4-Dioxane	9.44	88	135593	2028.31	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	2348168	519.64	ug/l	99
52) Toluene	10.38	92	1822740	95.40	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	945578	101.06	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	1144714	99.68	ug/l	98
55) 1,1,2-Trichloroethane	10.78	97	504600	94.97	ug/l	98
56) Ethyl methacrylate	10.64	69	718240	104.55	ug/l	97
57) 1,3-Dichloropropane	10.93	76	911238	96.92	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1203708	571.31	ug/l	100
59) 2-Hexanone	10.96	43	1637101	529.00	ug/l	99
60) Dibromochloromethane	11.13	129	583844	97.40	ug/l	97
61) 1,2-Dibromoethane	11.23	107	478405	95.41	ug/l	99
64) Tetrachloroethene	10.86	164	626637	89.28	ug/l	96
65) Chlorobenzene	11.65	112	1845306	92.33	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	638812	94.96	ug/l	99
67) Ethyl Benzene	11.73	91	3463363	95.79	ug/l	99
68) m/p-Xylenes	11.83	106	2614880	189.42	ug/l	98
69) o-Xylene	12.16	106	1205221	94.59	ug/l	100
70) Styrene	12.18	104	2077985	96.54	ug/l	99
71) Bromoform	12.35	173	346483	96.08	ug/l	# 99
73) Isopropylbenzene	12.46	105	3322428	93.63	ug/l	99
74) N-amyl acetate	12.27	43	836147	105.32	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	592365	93.70	ug/l	100
76) 1,2,3-Trichloropropane	12.76	75	775881	172.44	ug/l	30
77) Bromobenzene	12.74	156	750039	90.98	ug/l	98
78) n-propylbenzene	12.80	91	4006740	95.32	ug/l	99
79) 2-Chlorotoluene	12.89	91	2230325	93.30	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	2805382	93.72	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	203892	100.90	ug/l	98
82) 4-Chlorotoluene	12.99	91	2331070	93.74	ug/l	100
83) tert-Butylbenzene	13.20	119	2462648	94.26	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	2813065	94.34	ug/l	100
85) sec-Butylbenzene	13.38	105	3427499	94.52	ug/l	100
86) p-Isopropyltoluene	13.49	119	3132721	94.68	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	1465974	91.38	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1438408	91.06	ug/l	99
89) n-Butylbenzene	13.82	91	3046066	98.87	ug/l	100
90) Hexachloroethane	14.09	117	551557	95.78	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1281457	90.86	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	97696	97.85	ug/l	99

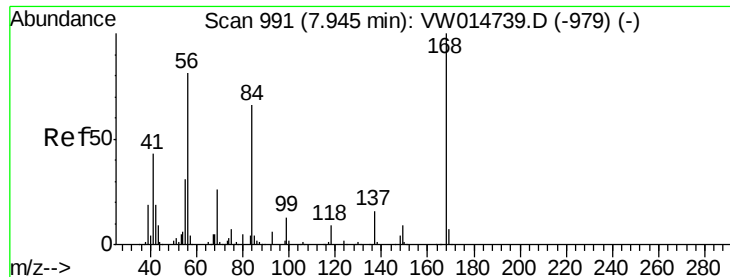
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	907438	96.16	ug/l	98
94) Hexachlorobutadiene	15.23	225	554590	86.99	ug/l	98
95) Naphthalene	15.36	128	1661458	104.41	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	777834	94.72	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

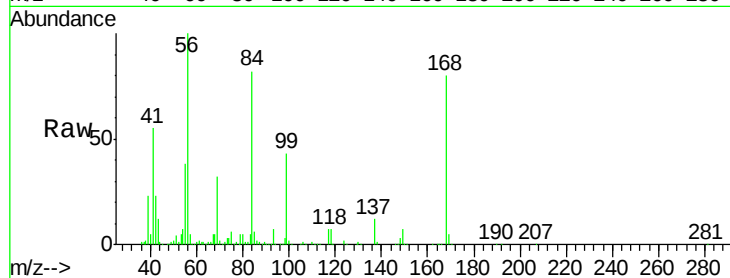
VSTDIC100

Tgt Ion:168 Resp: 727712

Ion Ratio Lower Upper

168 100

99 54.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

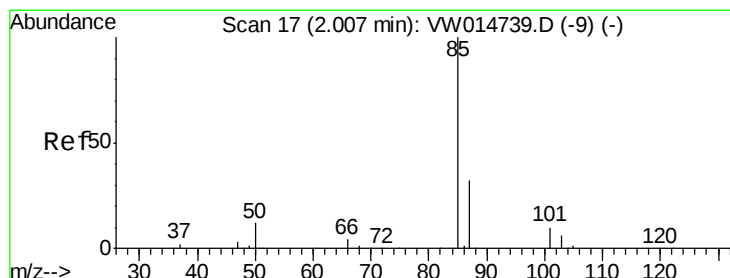
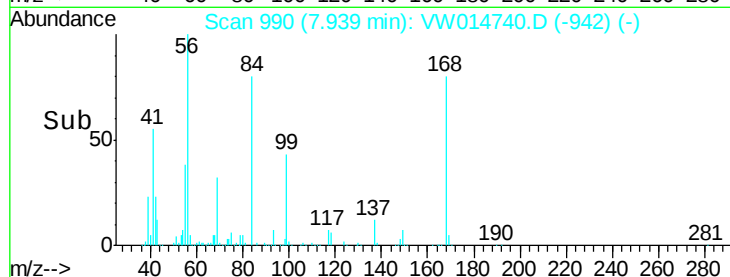
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 106.48 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014740.D

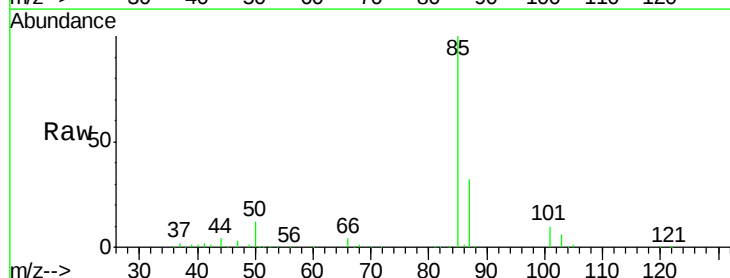
Acq: 24 Jan 2020 12:18

Tgt Ion: 85 Resp: 457923

Ion Ratio Lower Upper

85 100

87 32.0 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

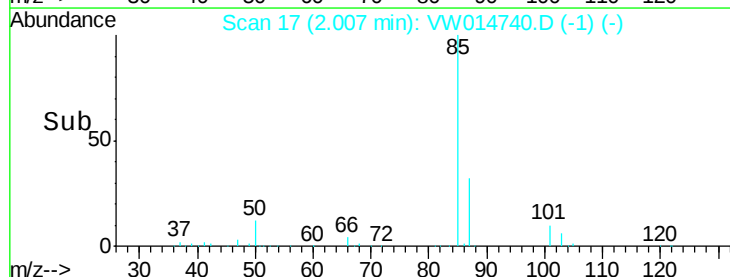
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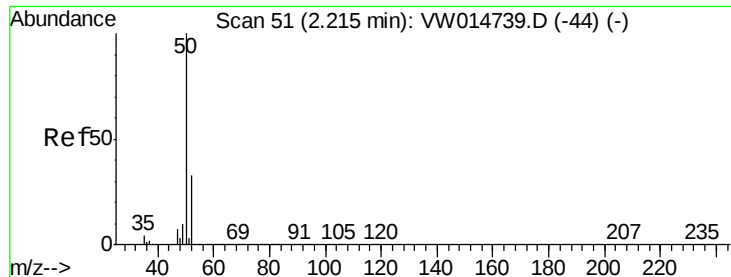
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50000

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Time-->





#3

Chloromethane

Concen: 103.92 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

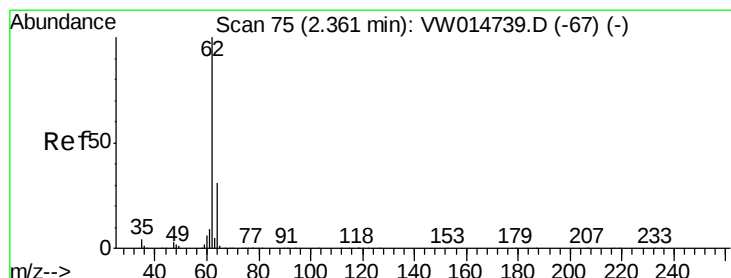
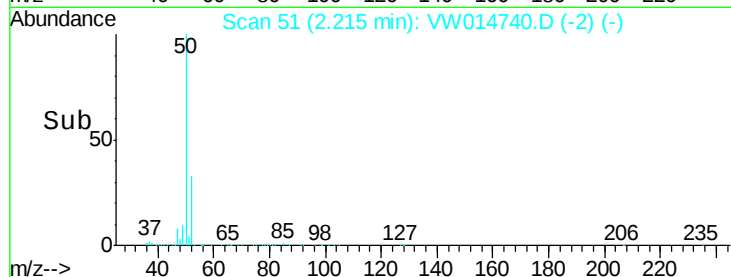
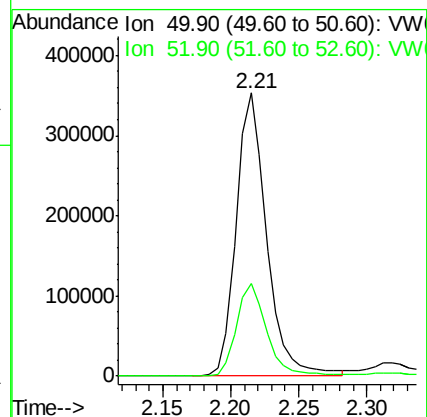
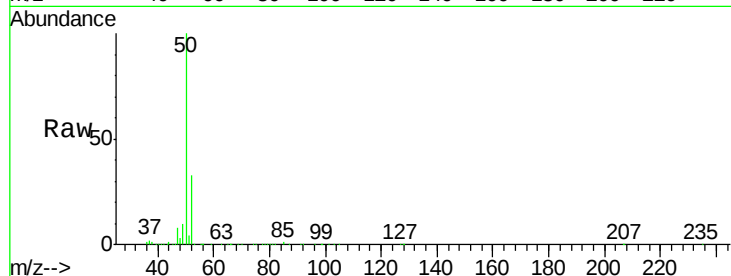
VSTDIC100

Tgt Ion: 50 Resp: 549704

Ion Ratio Lower Upper

50 100

52 32.7 26.7 40.1



#4

Vinyl Chloride

Concen: 113.70 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014740.D

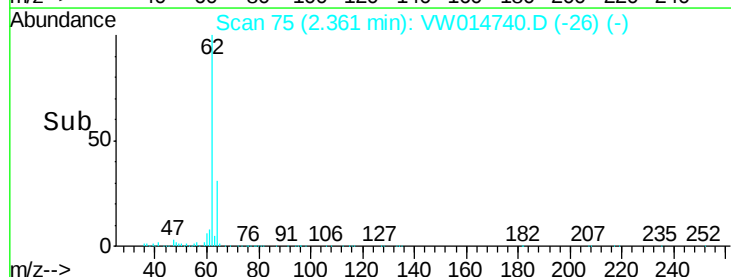
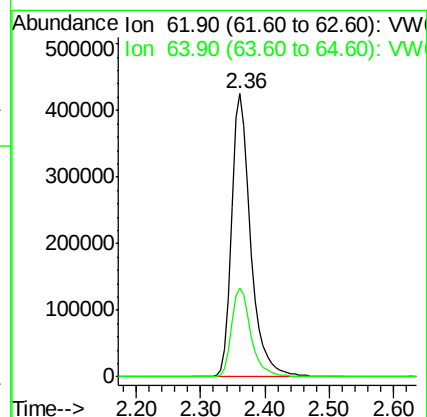
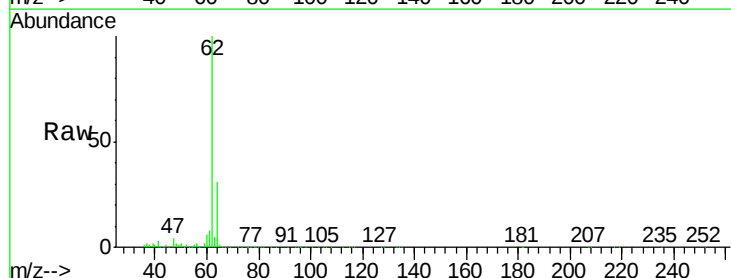
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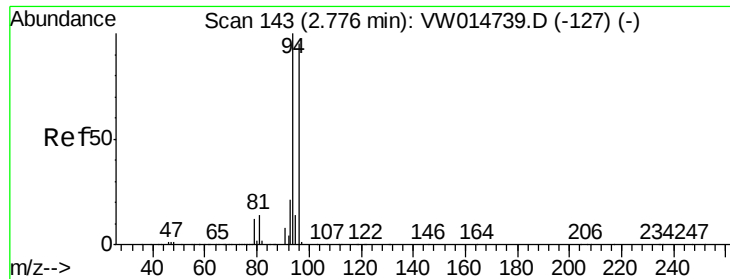
Tgt Ion: 62 Resp: 890668

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 60.73 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.03 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

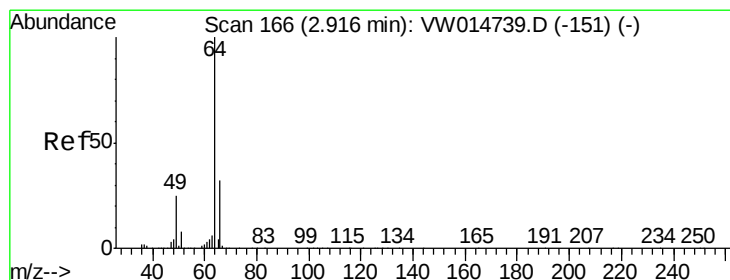
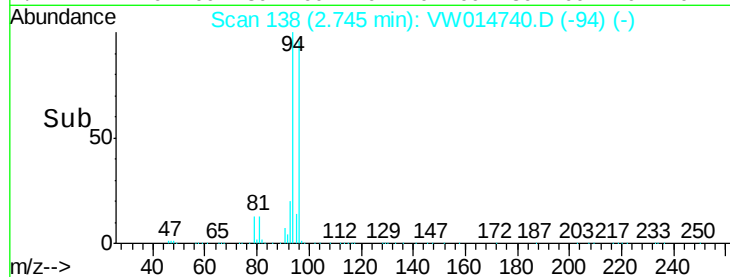
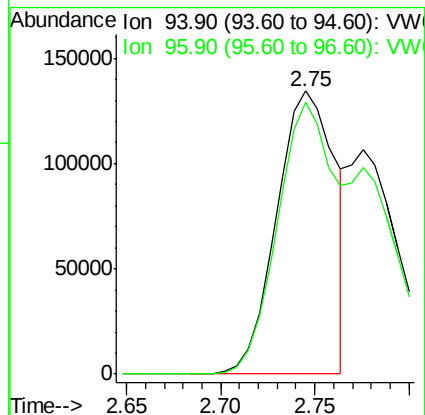
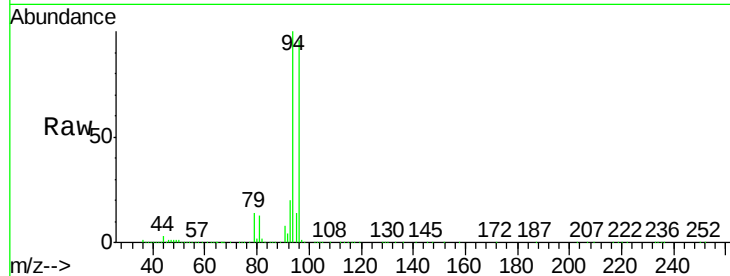
VSTDIC100

Tgt Ion: 94 Resp: 288527

Ion Ratio Lower Upper

94 100

96 96.2 76.2 114.4



#6

Chloroethane

Concen: 114.01 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014740.D

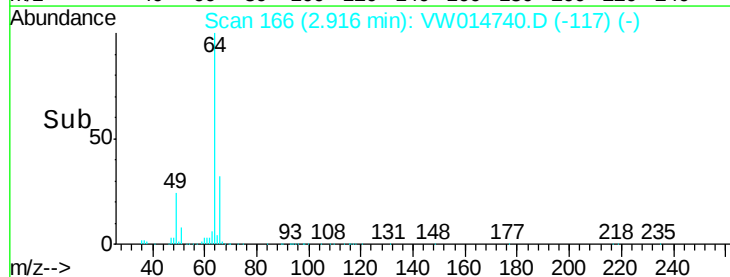
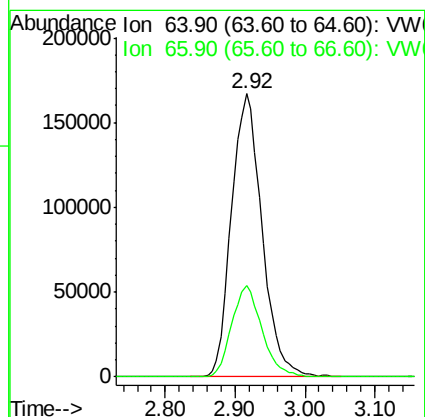
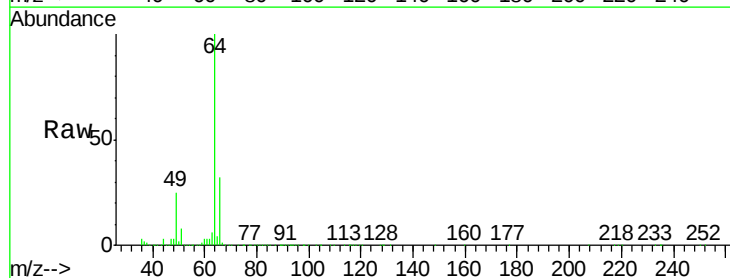
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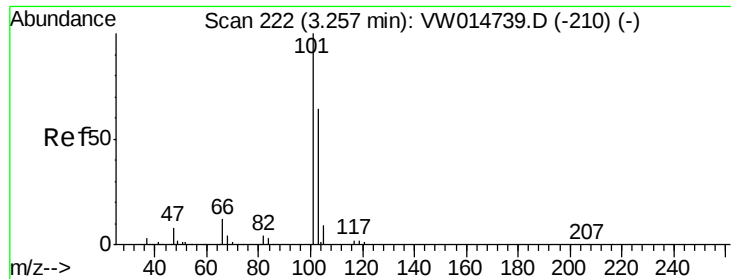
Tgt Ion: 64 Resp: 506048

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



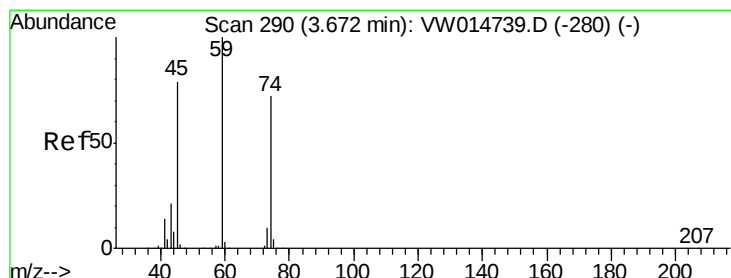
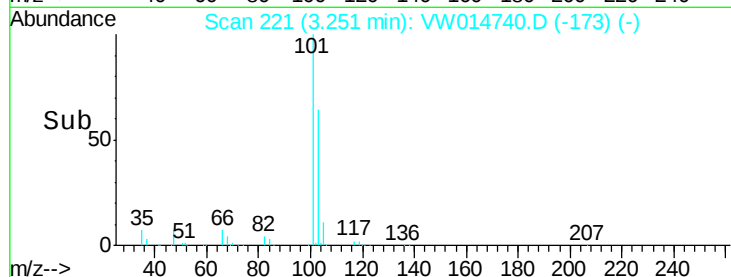
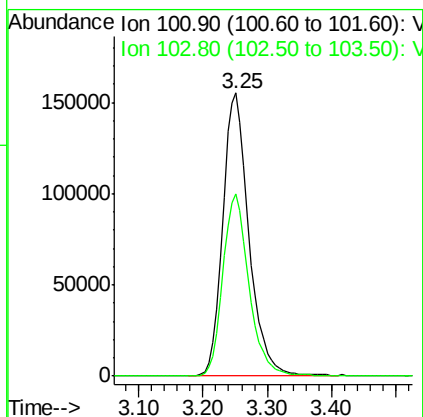
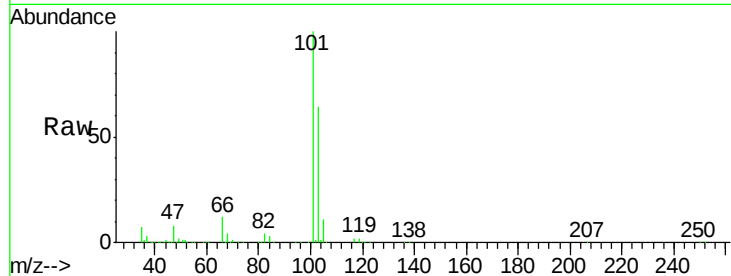


#7

Trichlorofluoromethane
 Concen: 114.13 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

Instrument :
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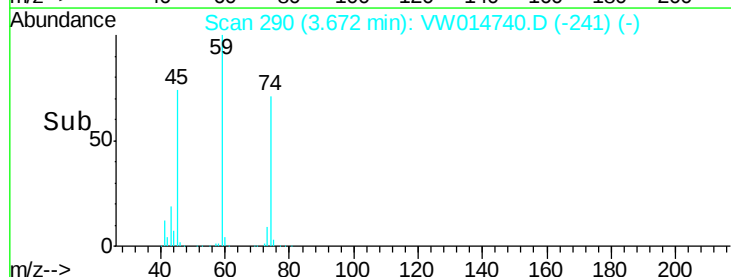
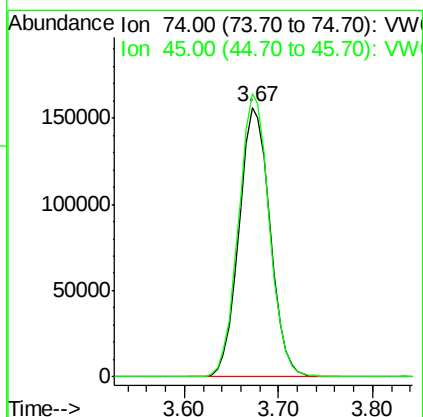
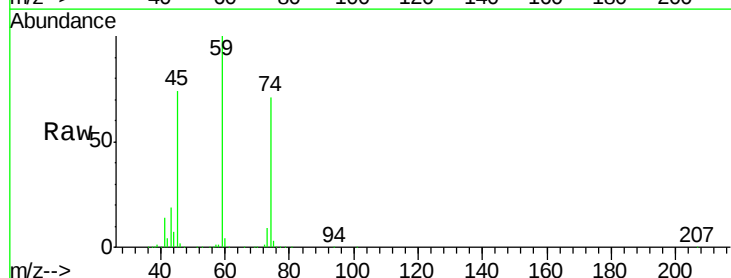
Tgt Ion:101 Resp: 443852
 Ion Ratio Lower Upper
 101 100
 103 64.4 50.8 76.2

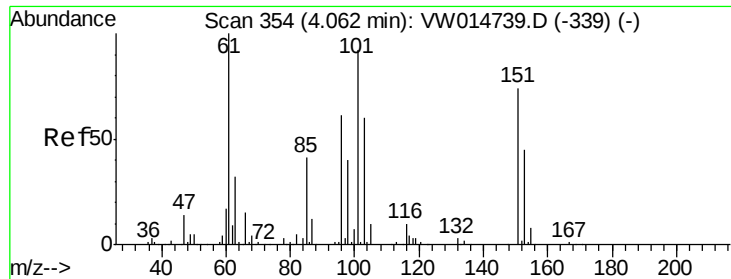


#8

Diethyl Ether
 Concen: 97.43 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

Tgt Ion: 74 Resp: 360822
 Ion Ratio Lower Upper
 74 100
 45 104.0 52.7 158.1

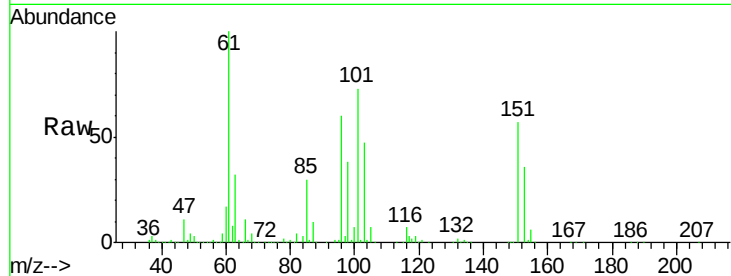




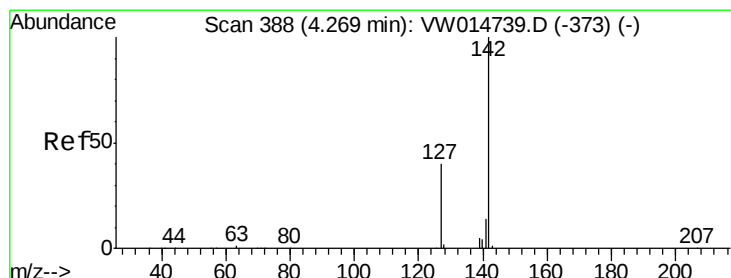
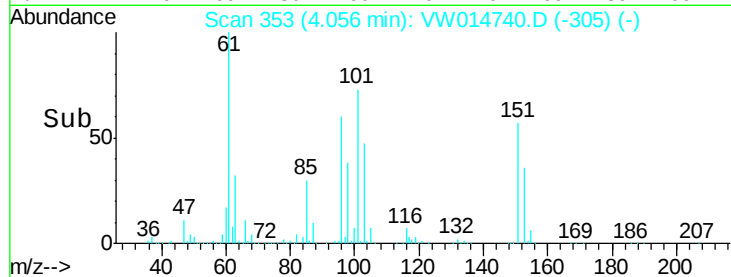
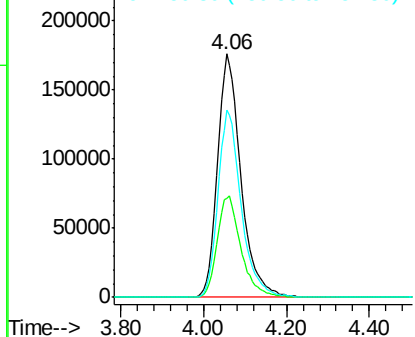
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 97.14 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:101 Resp: 681370
 Ion Ratio Lower Upper
 101 100
 85 42.5 34.4 51.6
 151 76.7 61.5 92.3

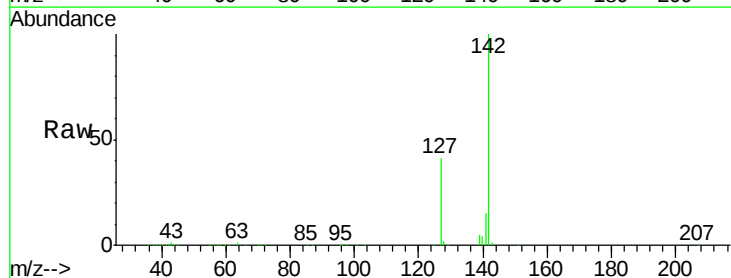


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VW
 Ion 150.80 (150.50 to 151.50): V

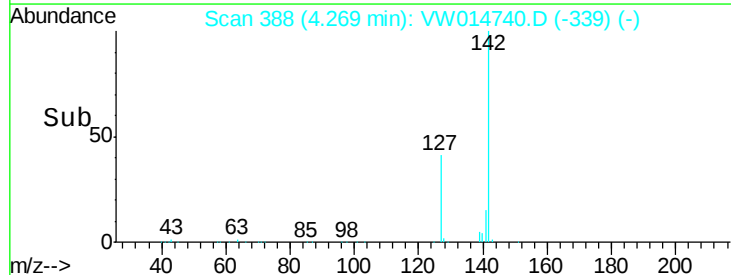
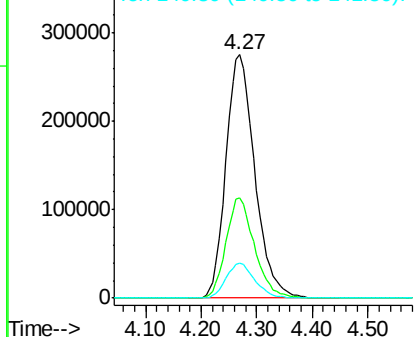


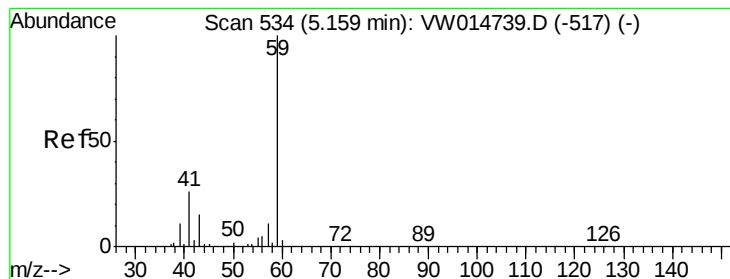
#10
 Methyl Iodide
 Concen: 94.27 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

Tgt Ion:142 Resp: 989119
 Ion Ratio Lower Upper
 142 100
 127 40.7 33.2 49.8
 141 14.4 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: 435.73 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

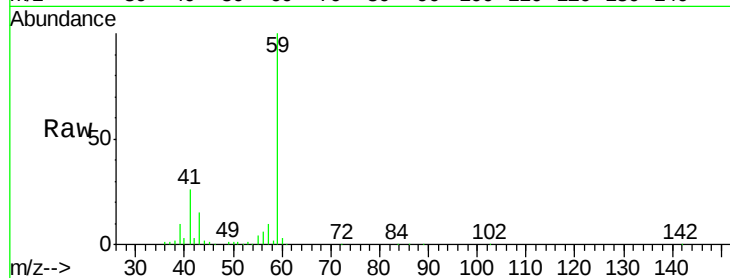
VSTDIC100

Tgt Ion: 59 Resp: 235677

Ion Ratio Lower Upper

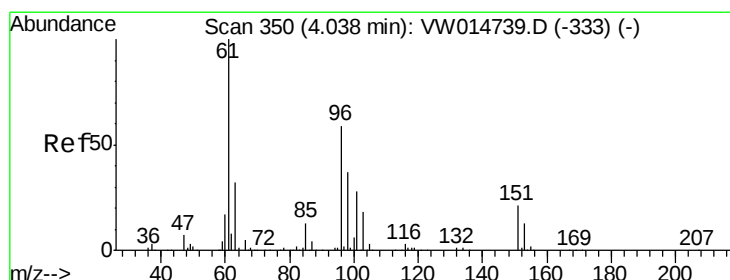
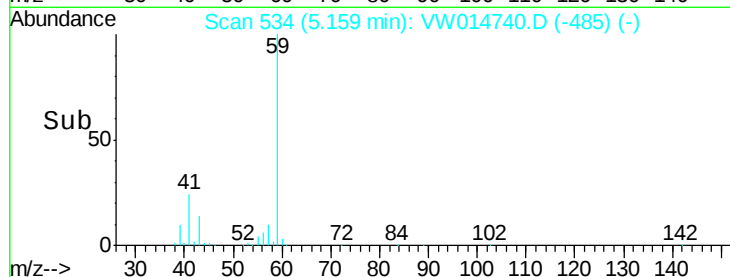
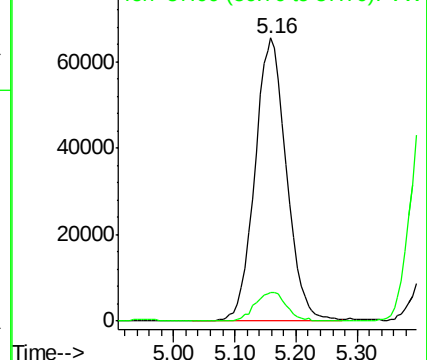
59 100

57 10.3 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 98.44 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

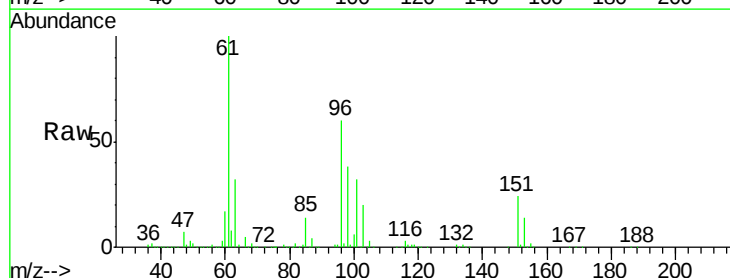
Tgt Ion: 96 Resp: 722395

Ion Ratio Lower Upper

96 100

61 167.4 136.3 204.5

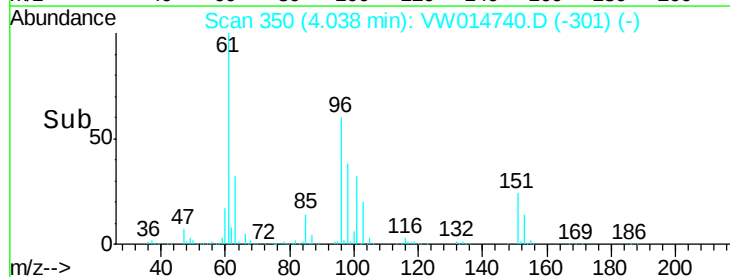
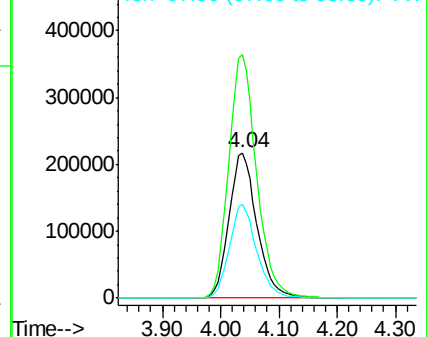
98 64.3 51.0 76.6

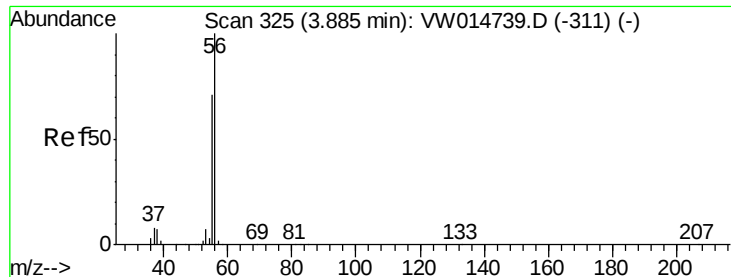


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

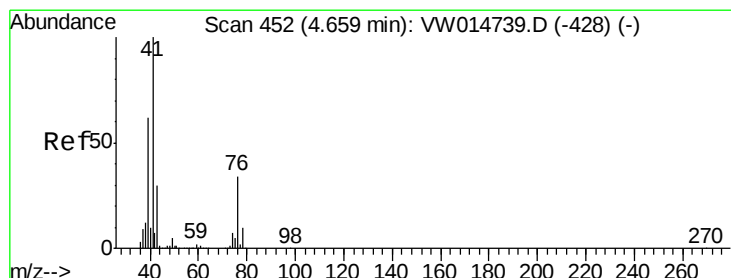
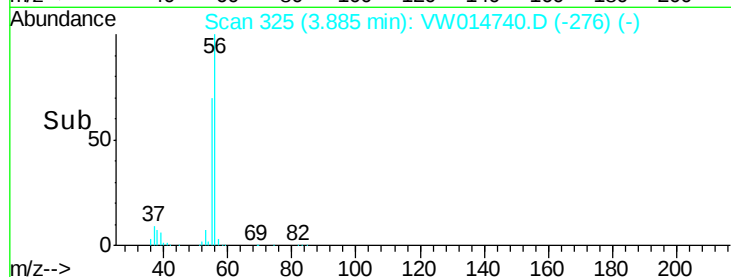
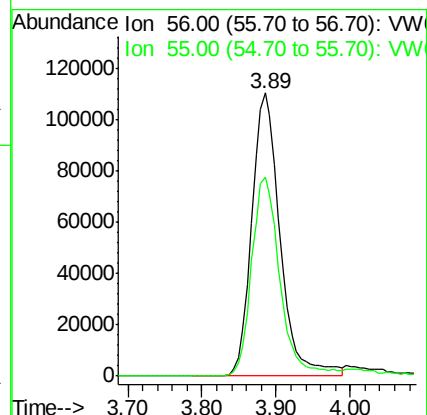
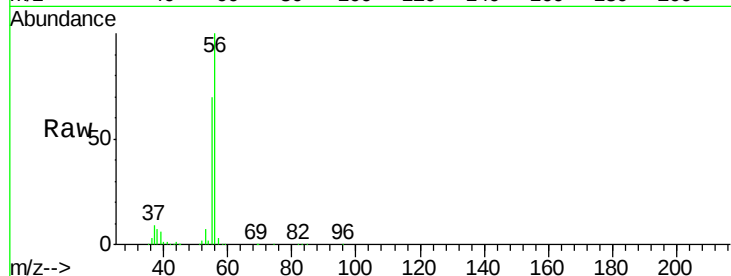




#13
Acrolein
Concen: 554.95 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

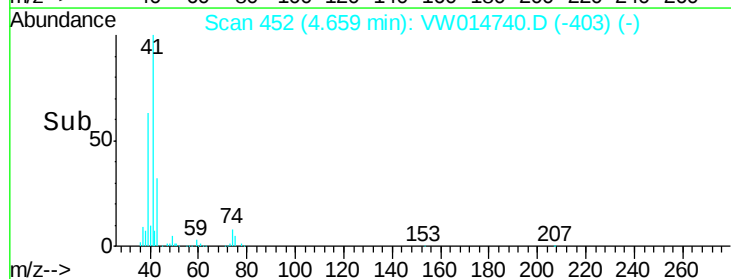
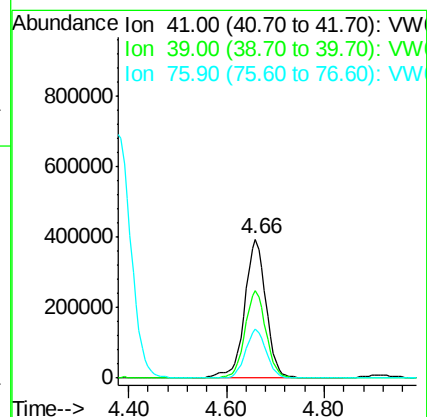
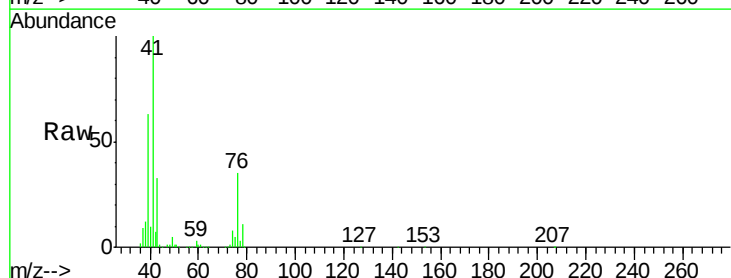
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

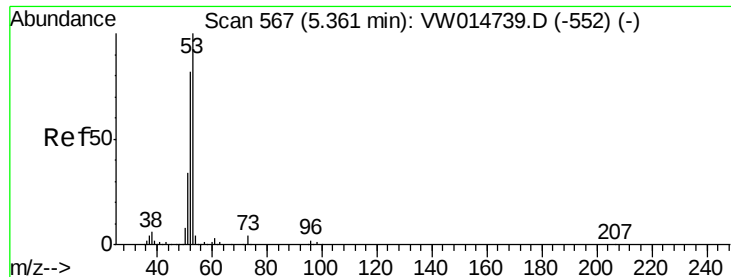
Tgt Ion: 56 Resp: 295614
Ion Ratio Lower Upper
56 100
55 70.0 55.7 83.5



#14
Allyl chloride
Concen: 105.44 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion: 41 Resp: 1198370
Ion Ratio Lower Upper
41 100
39 61.6 50.0 75.0
76 33.4 26.7 40.1





#15

Acrylonitrile

Concen: 515.19 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

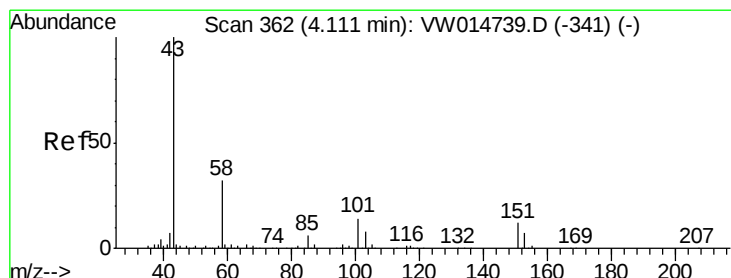
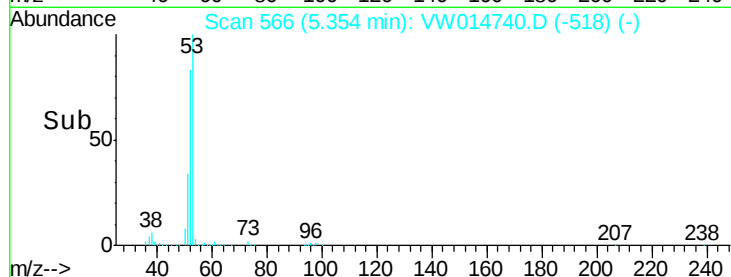
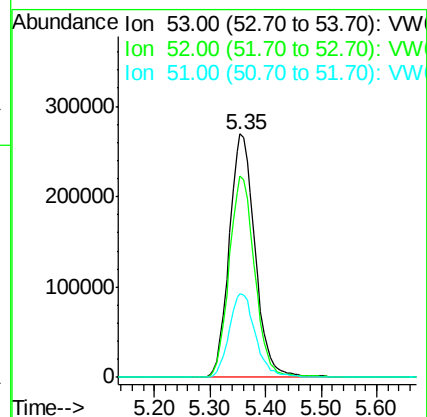
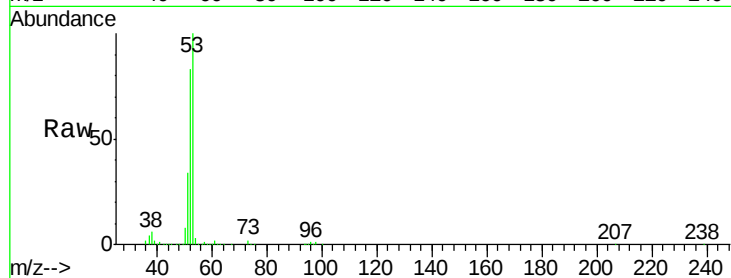
Tgt Ion: 53 Resp: 862004

Ion Ratio Lower Upper

53 100

52 81.5 66.0 99.0

51 35.4 28.6 43.0



#16

Acetone

Concen: 450.81 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.00 min

Lab File: VW014740.D

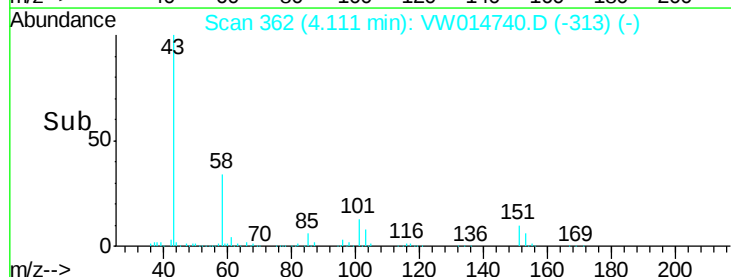
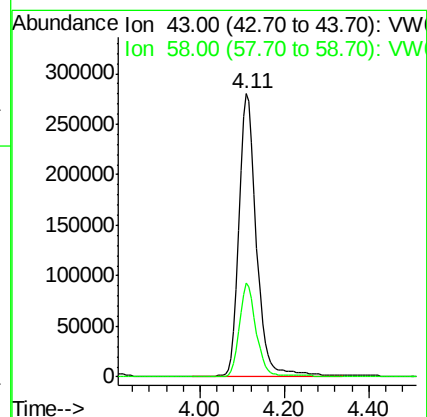
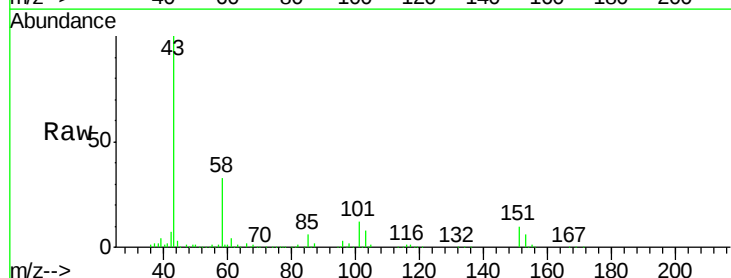
Acq: 24 Jan 2020 12:18

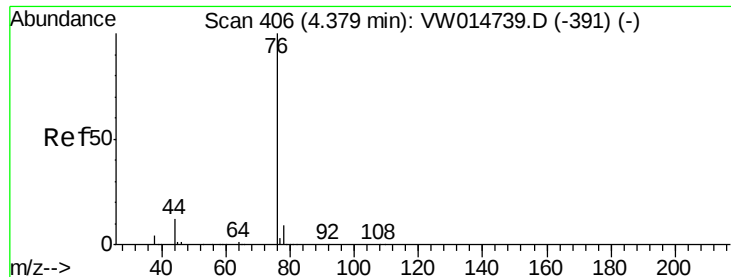
Tgt Ion: 43 Resp: 797536

Ion Ratio Lower Upper

43 100

58 33.3 25.6 38.4

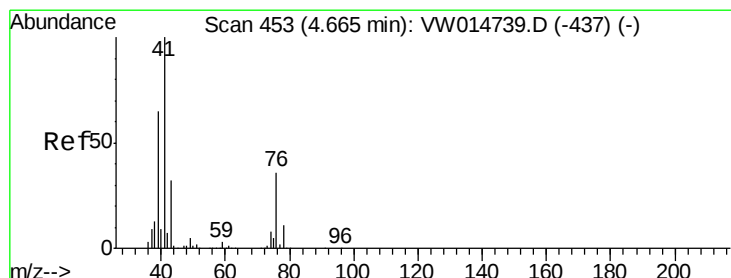
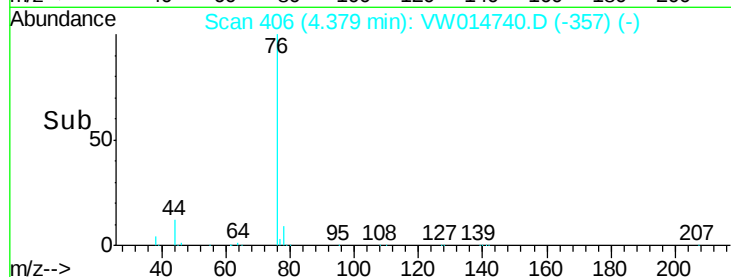
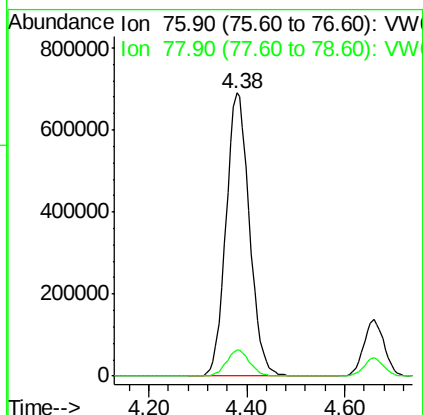
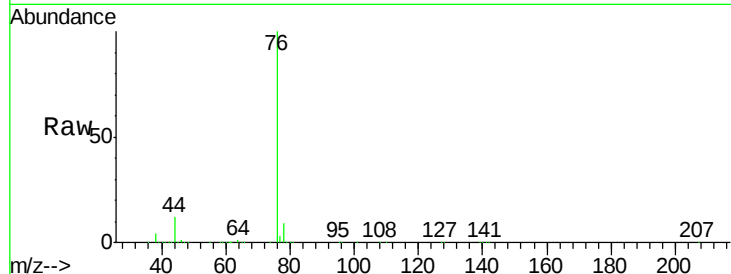




#17
Carbon Disulfide
Concen: 102.51 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

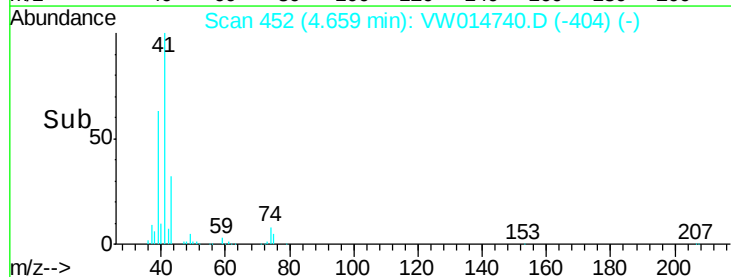
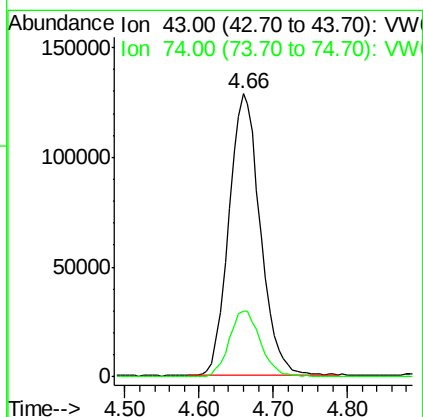
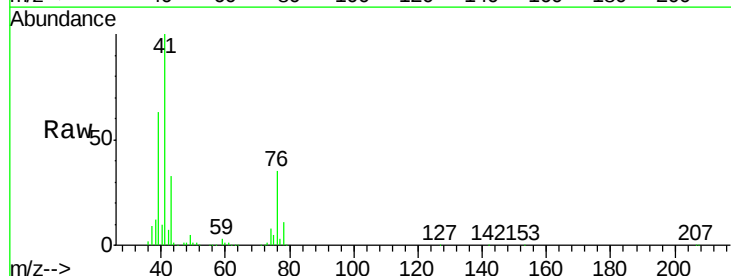
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

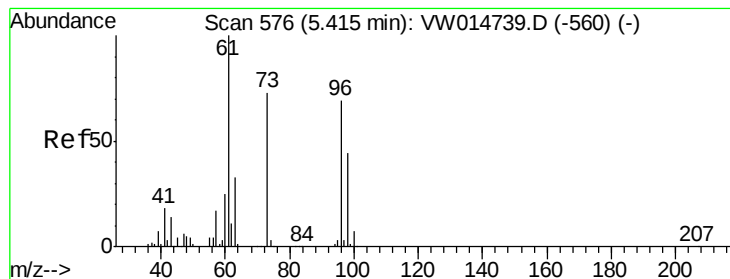
Tgt Ion: 76 Resp: 2288928
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 90.25 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion: 43 Resp: 380761
Ion Ratio Lower Upper
43 100
74 23.4 18.4 27.6





#19

Methyl tert-butyl Ether

Concen: 101.14 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

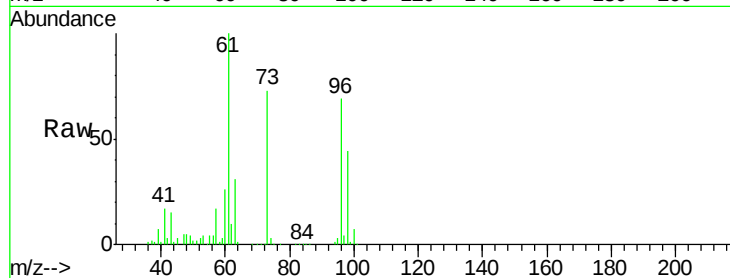
VSTDIC100

Tgt Ion: 73 Resp: 919814

Ion Ratio Lower Upper

73 100

57 22.8 18.5 27.7



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.42

250000

200000

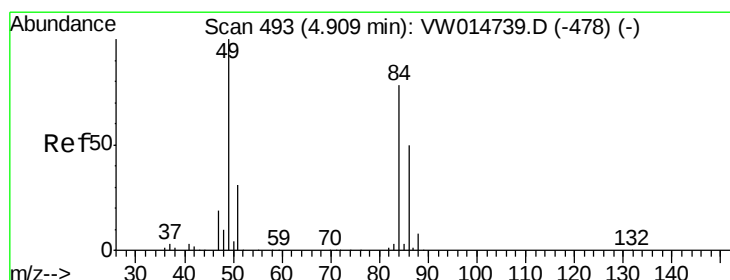
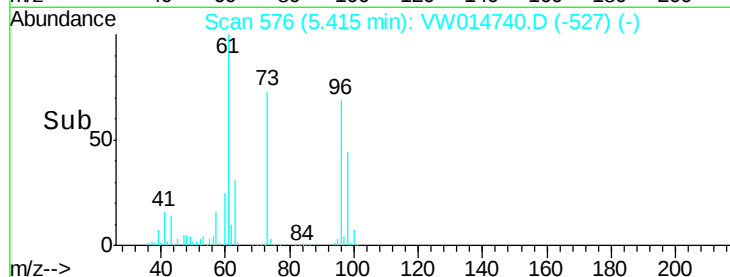
150000

100000

50000

0

Time--> 5.20 5.30 5.40 5.50 5.60



#20

Methylene Chloride

Concen: 86.23 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Tgt Ion: 84 Resp: 728275

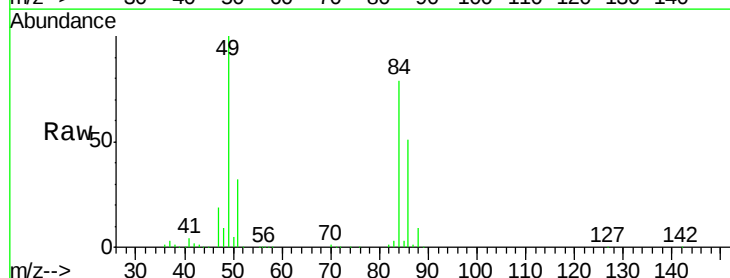
Ion Ratio Lower Upper

84 100

49 126.9 103.1 154.7

51 40.1 32.1 48.1

86 64.7 51.5 77.3



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

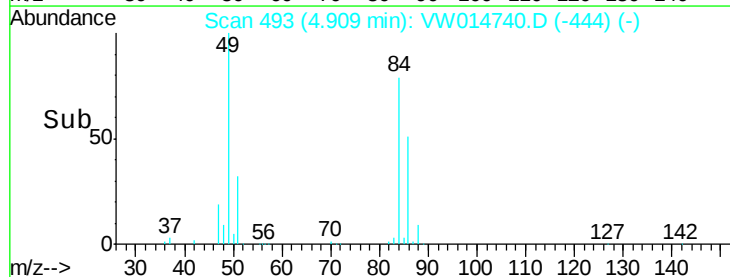
300000

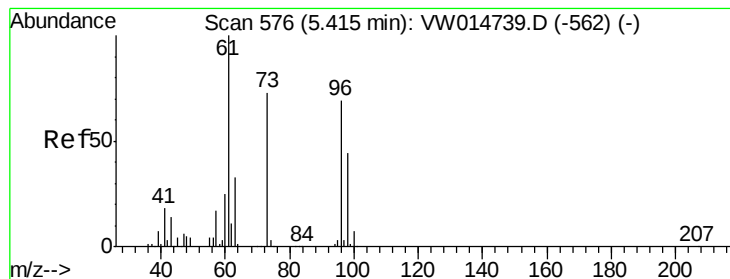
200000

100000

0

Time--> 4.70 4.80 4.90 5.00 5.10





#21

trans-1,2-Dichloroethene

Concen: 95.94 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

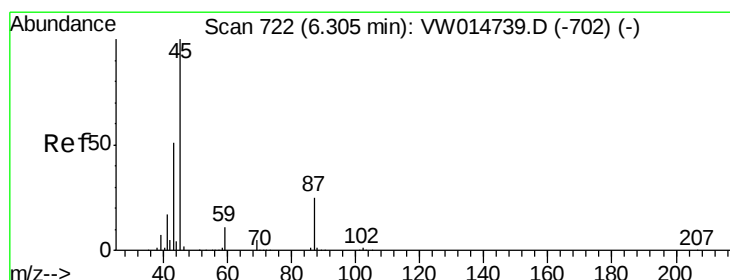
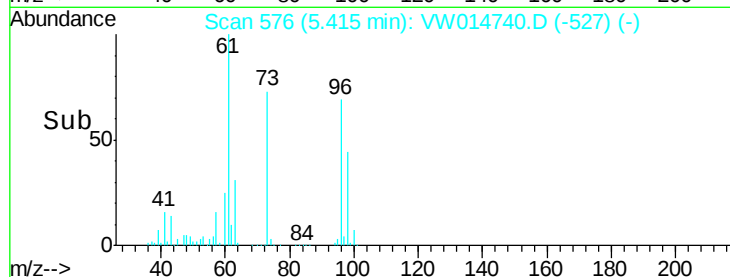
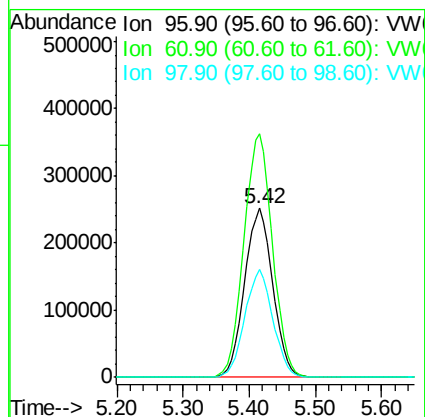
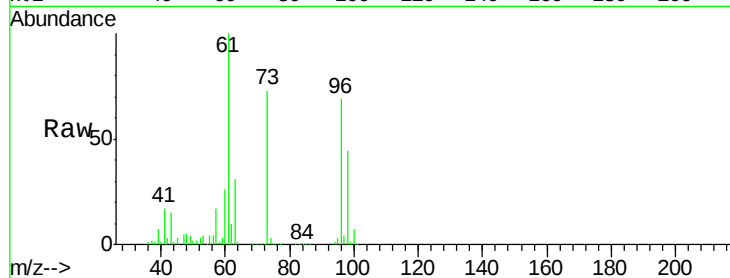
Tgt Ion: 96 Resp: 747682

Ion Ratio Lower Upper

96 100

61 144.1 116.1 174.1

98 63.6 51.6 77.4



#22

Diisopropyl ether

Concen: 100.76 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Tgt Ion: 45 Resp: 2144392

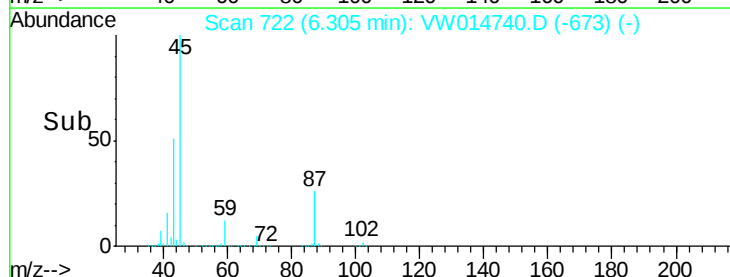
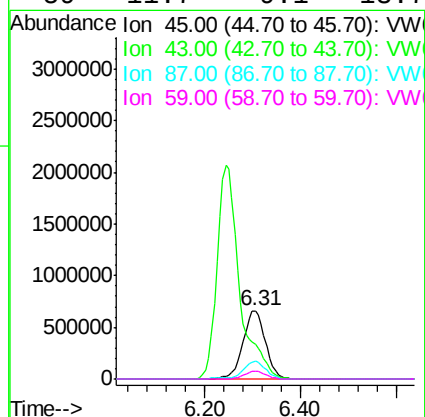
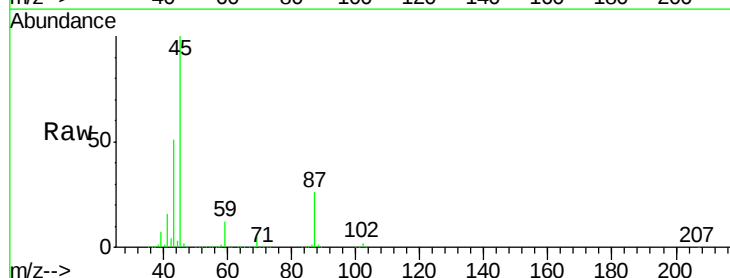
Ion Ratio Lower Upper

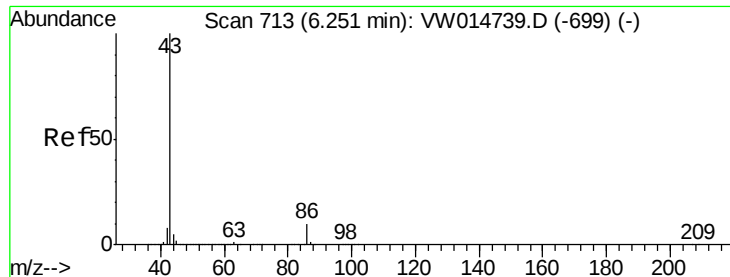
45 100

43 51.1 40.9 61.3

87 25.7 20.3 30.5

59 11.7 9.1 13.7

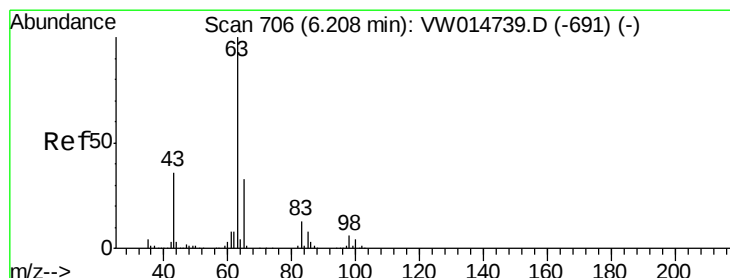
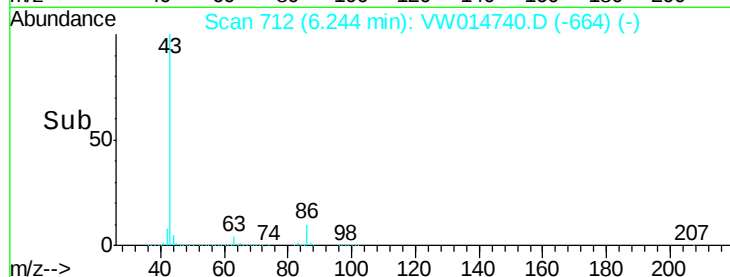
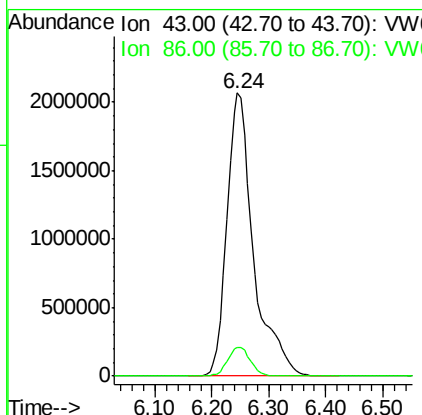
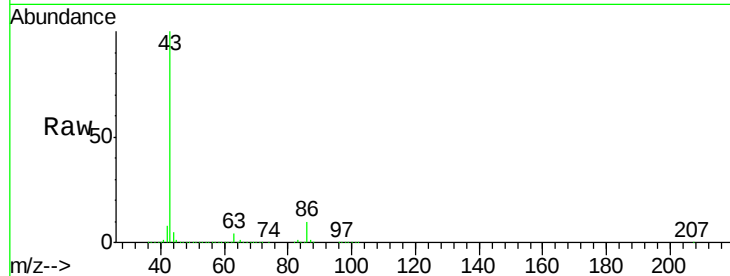




#23
 Vinyl Acetate
 Concen: 531.59 ug/l
 RT: 6.24 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

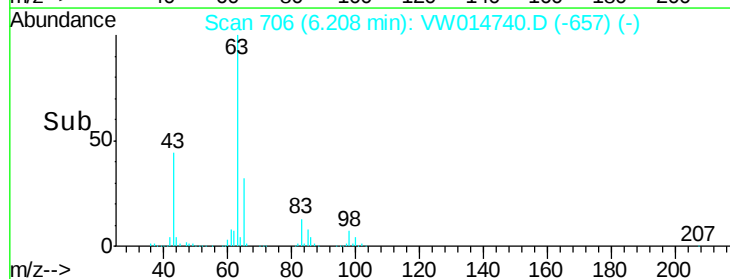
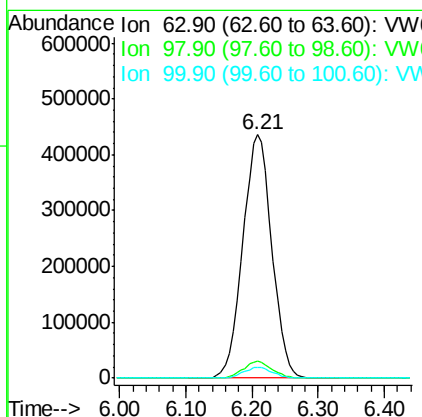
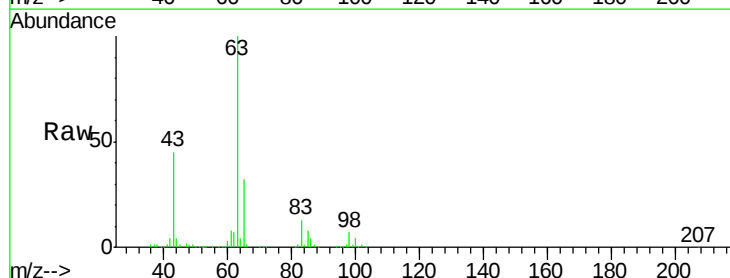
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

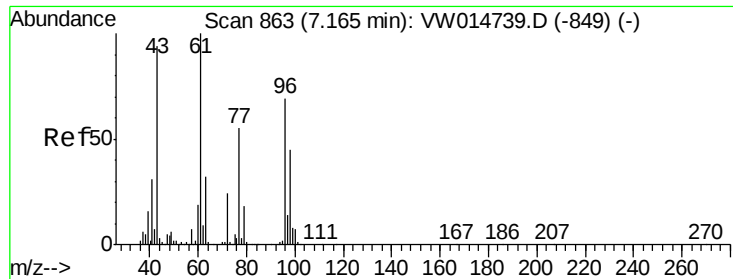
Tgt Ion: 43 Resp: 6740080
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 99.50 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

Tgt Ion: 63 Resp: 1327926
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 495.43 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

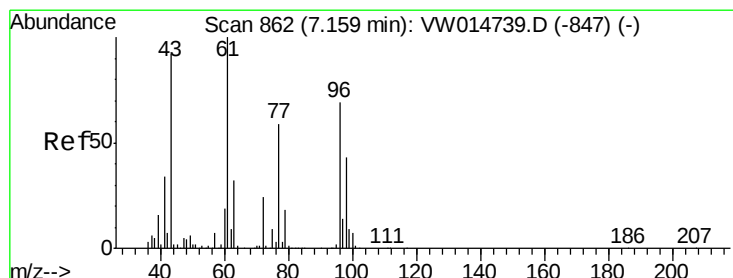
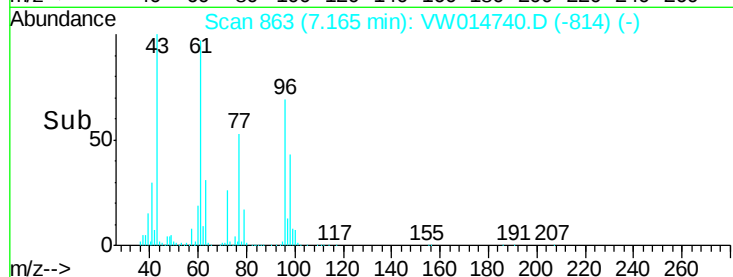
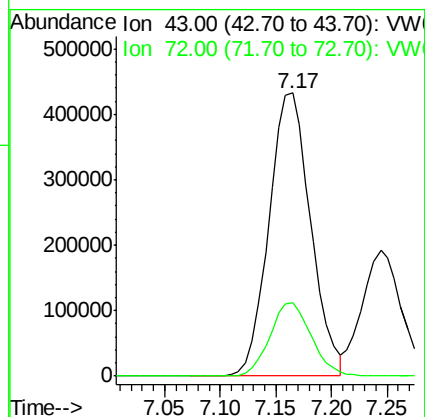
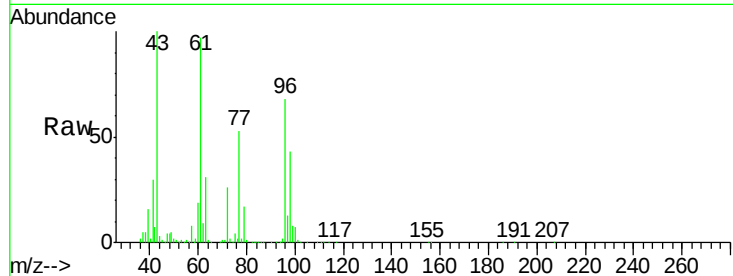
VSTDIC100

Tgt Ion: 43 Resp: 1126212

Ion Ratio Lower Upper

43 100

72 26.0 20.2 30.4



#26

2,2-Dichloropropane

Concen: 94.04 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW014740.D

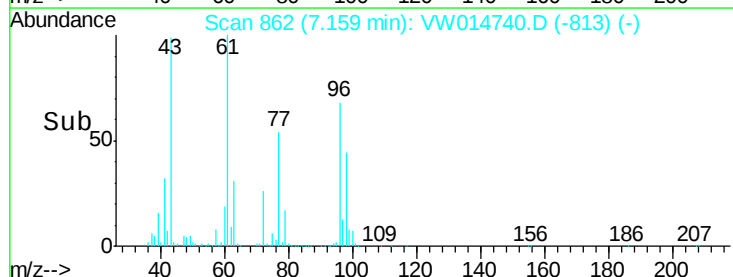
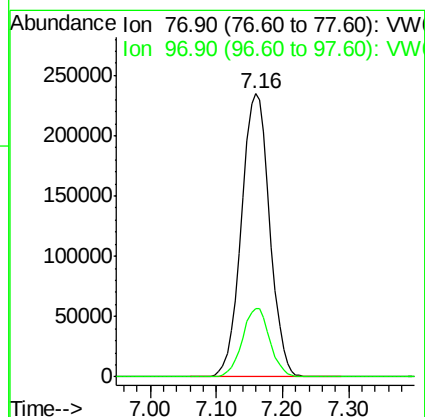
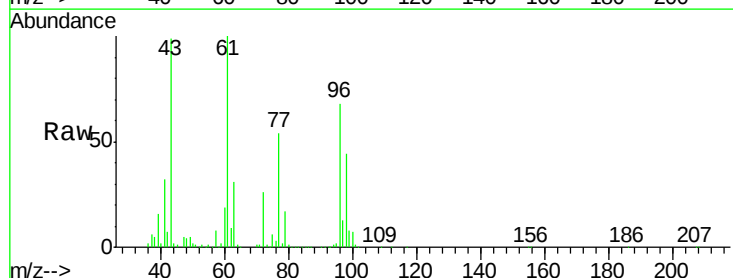
Acq: 24 Jan 2020 12:18

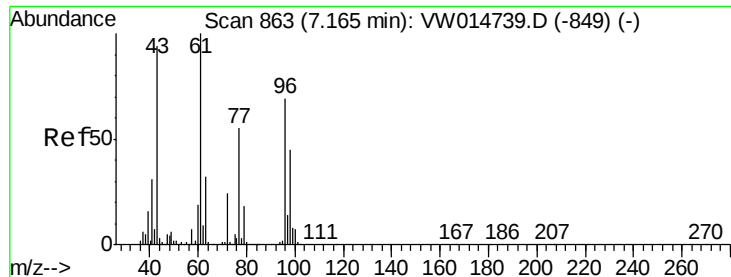
Tgt Ion: 77 Resp: 695418

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 95.95 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

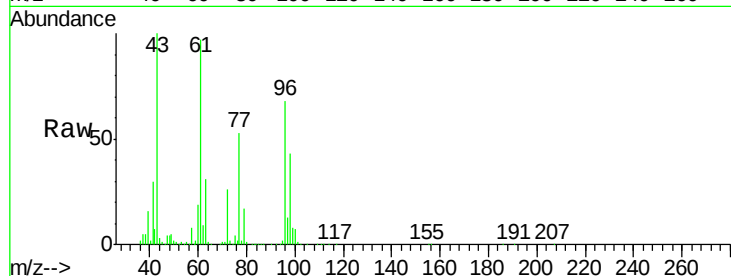
Tgt Ion: 96 Resp: 784169

Ion Ratio Lower Upper

96 100

61 144.7 0.0 292.2

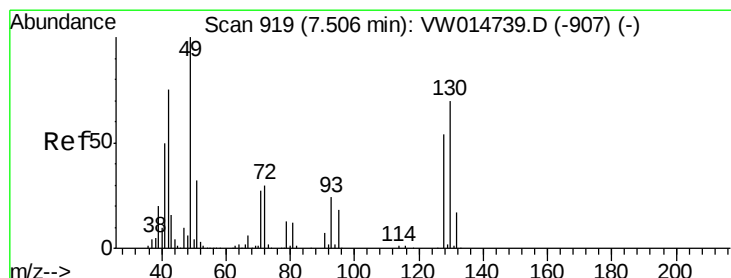
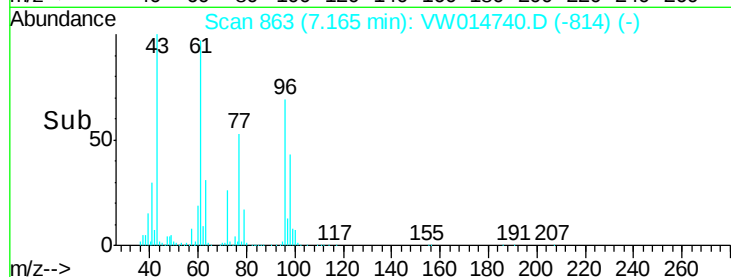
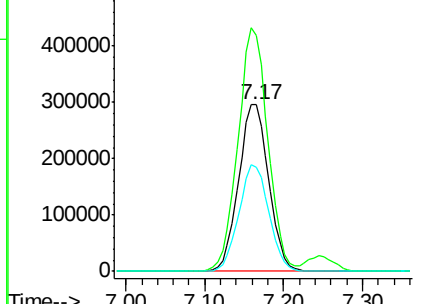
98 63.9 0.0 127.6



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: 101.06 ug/l

RT: 7.51 min Scan# 919

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

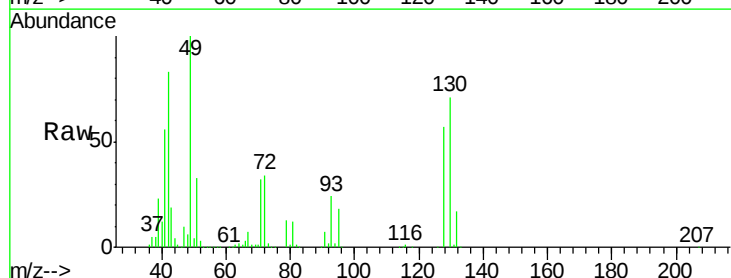
Tgt Ion: 49 Resp: 523687

Ion Ratio Lower Upper

49 100

129 0.8 0.0 2.6

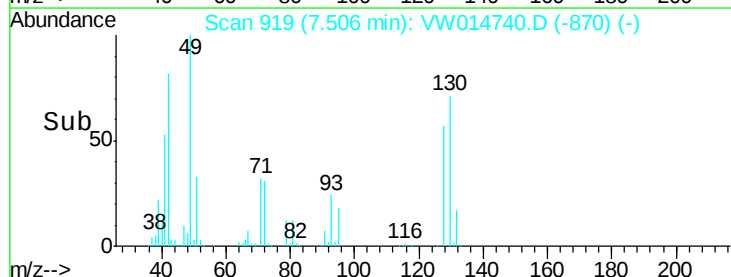
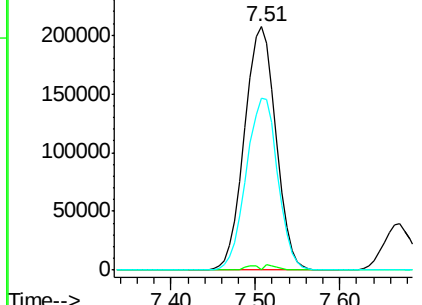
130 71.0 56.7 85.1

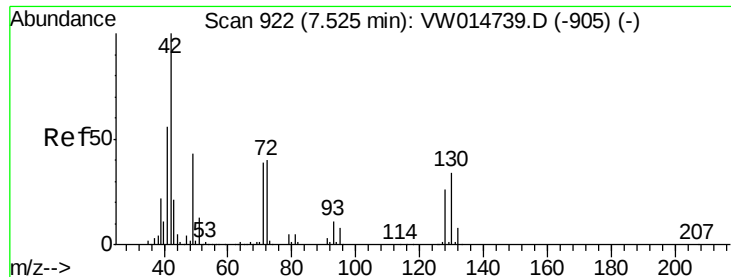


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

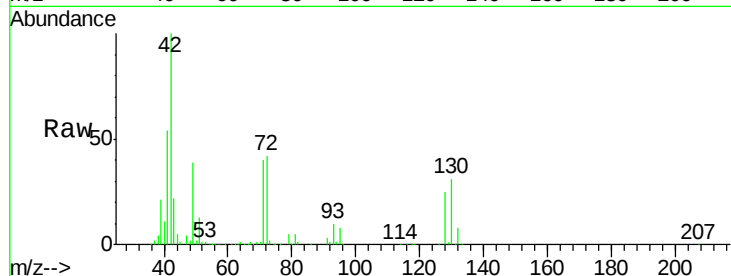




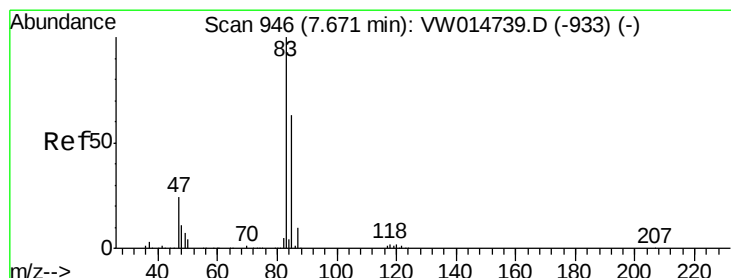
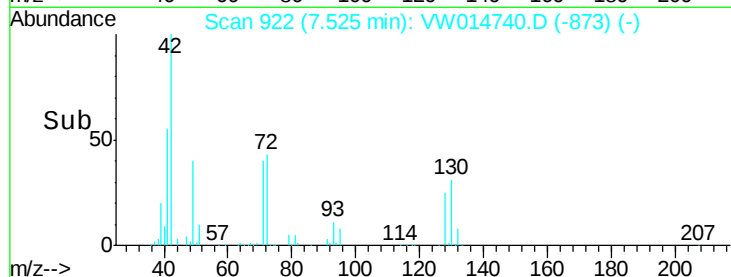
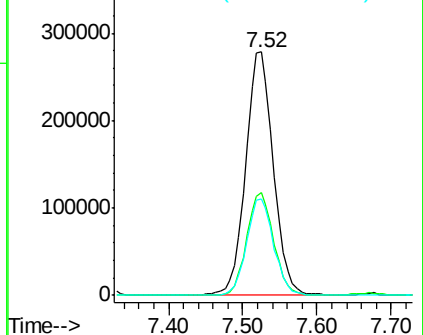
#29
Tetrahydrofuran
Concen: 511.45 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 724107
Ion Ratio Lower Upper
42 100
72 41.2 32.3 48.5
71 39.0 31.0 46.4

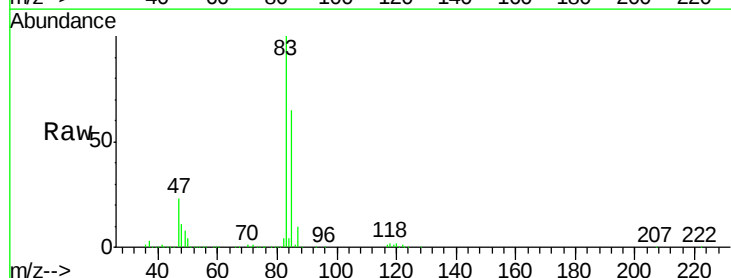


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

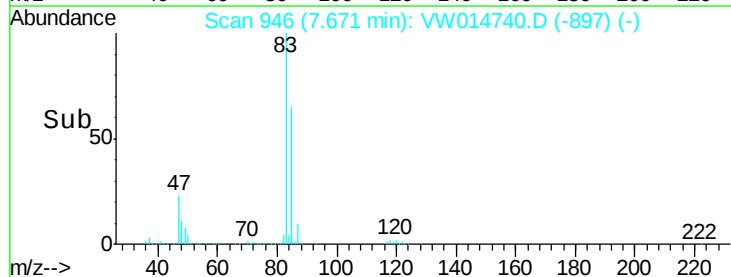
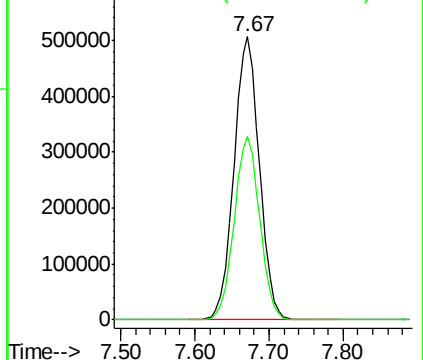


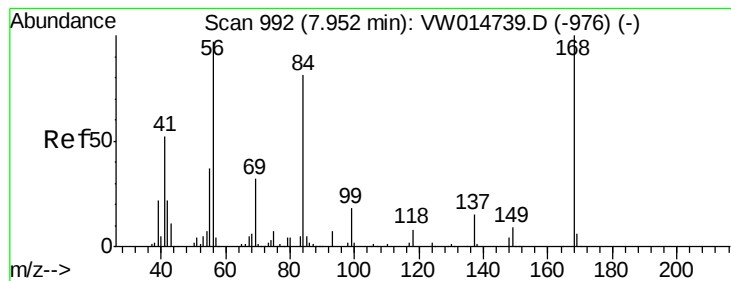
#30
Chloroform
Concen: 96.92 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion: 83 Resp: 1207721
Ion Ratio Lower Upper
83 100
85 64.8 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: 95.23 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

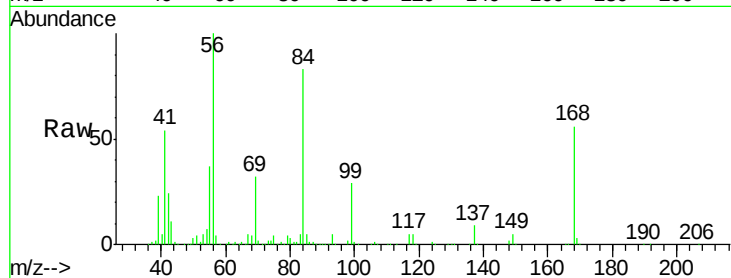
Tgt Ion: 56 Resp: 1317411

Ion Ratio Lower Upper

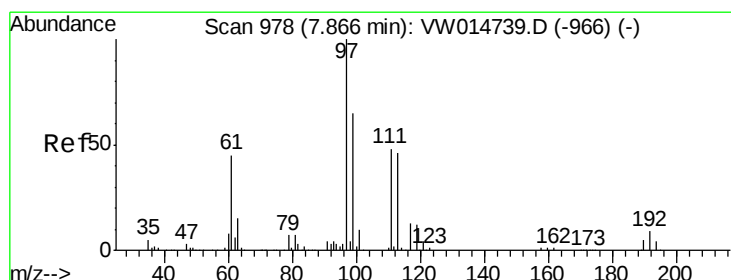
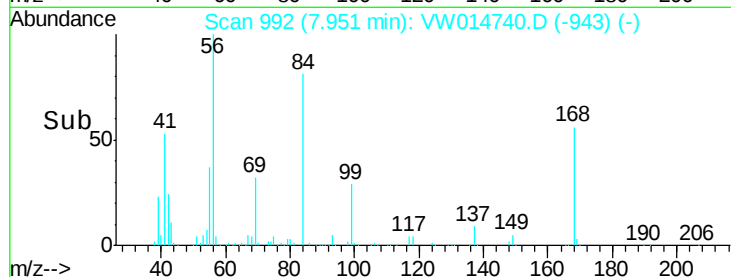
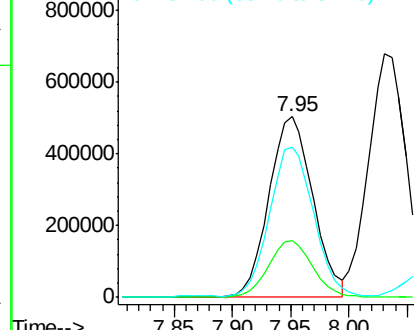
56 100

69 31.8 26.0 39.0

84 82.3 66.6 99.8



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



#32

1,1,1-Trichloroethane

Concen: 98.44 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

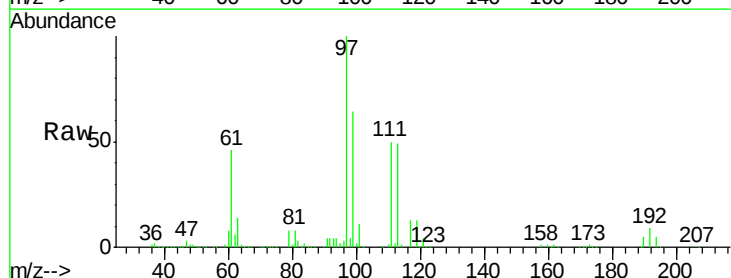
Tgt Ion: 97 Resp: 985520

Ion Ratio Lower Upper

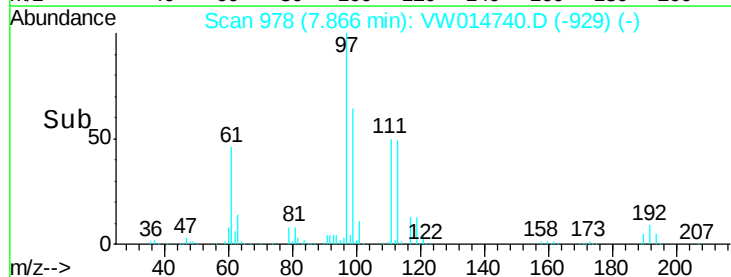
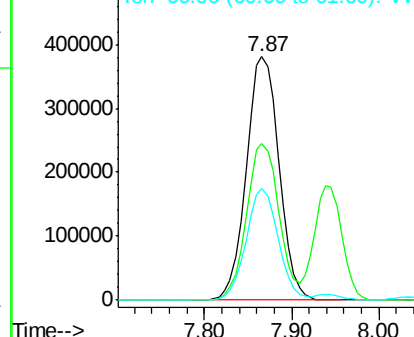
97 100

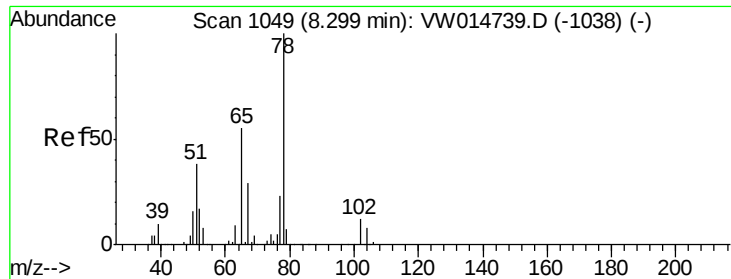
99 64.5 52.2 78.4

61 45.1 36.2 54.4



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





#33

1,2-Dichloroethane-d4

Concen: 101.73 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

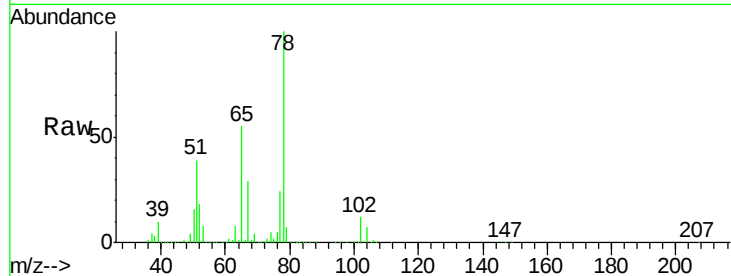
VSTDIC100

Tgt Ion: 65 Resp: 659596

Ion Ratio Lower Upper

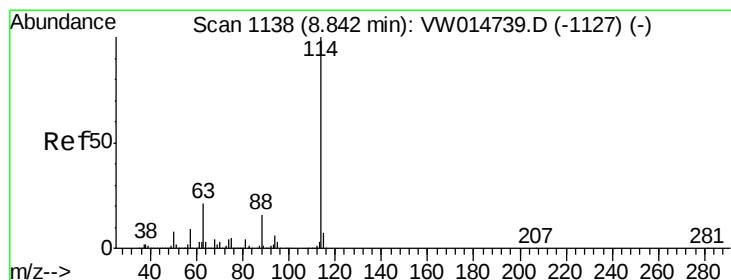
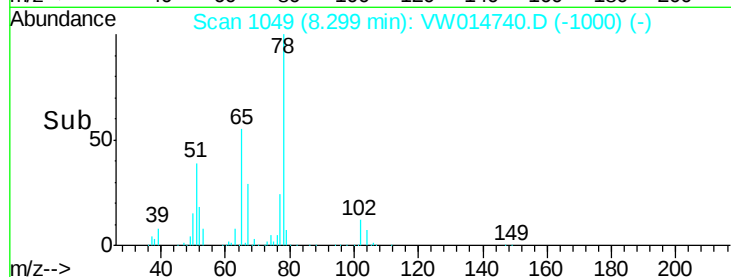
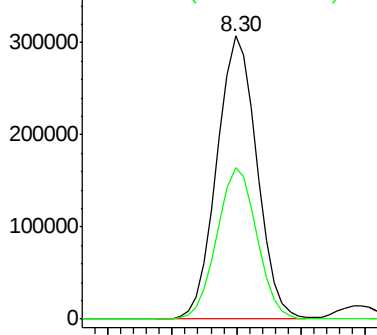
65 100

67 53.5 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

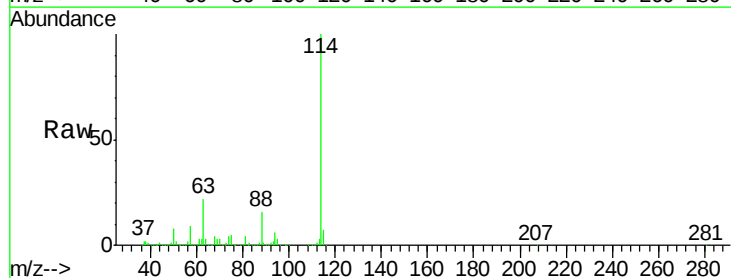
Tgt Ion: 114 Resp: 1104347

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.2

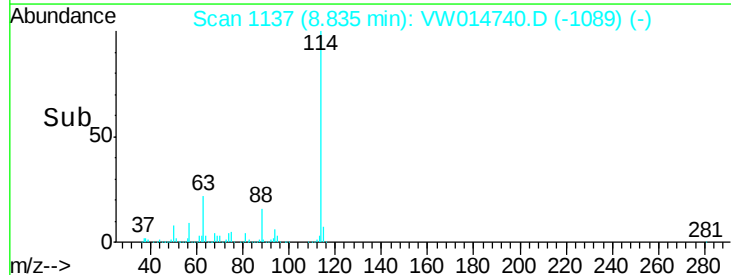
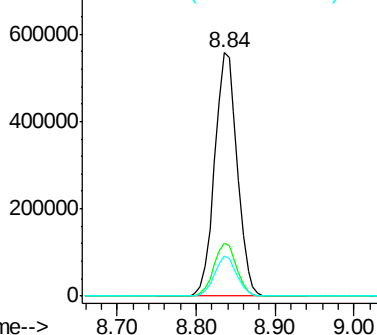
88 16.3 0.0 32.2

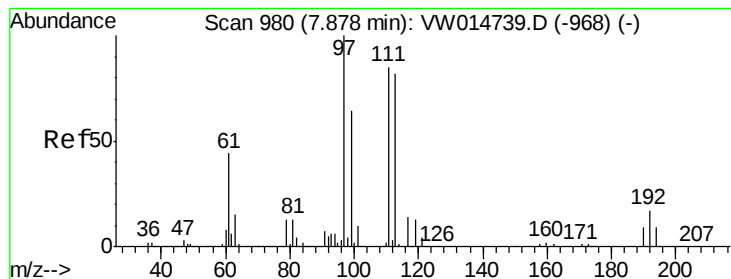


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 96.41 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

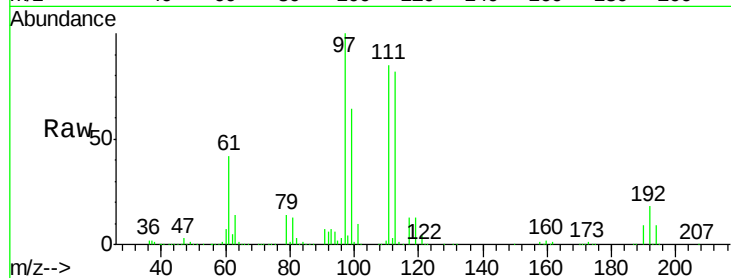
Tgt Ion:113 Resp: 614175

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

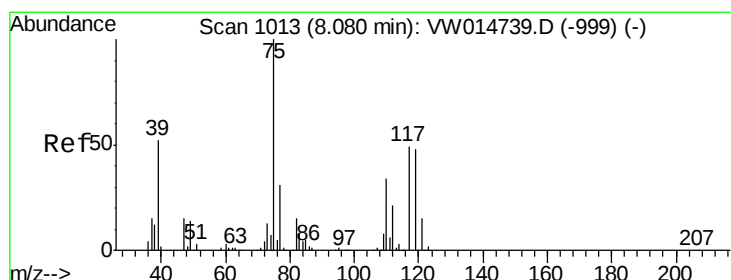
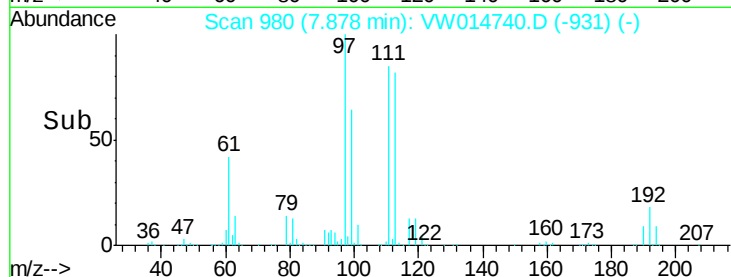
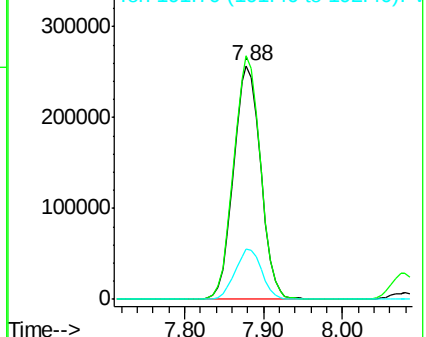
192 21.3 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 97.39 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

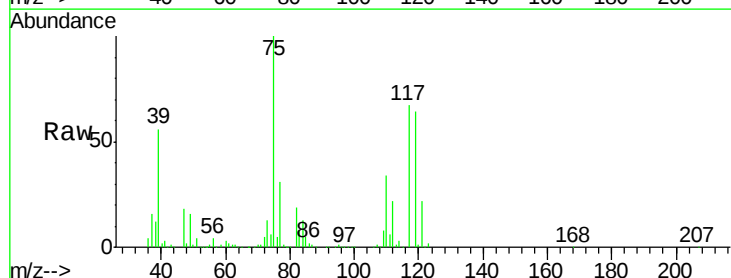
Tgt Ion: 75 Resp: 1052281

Ion Ratio Lower Upper

75 100

110 34.2 17.1 51.2

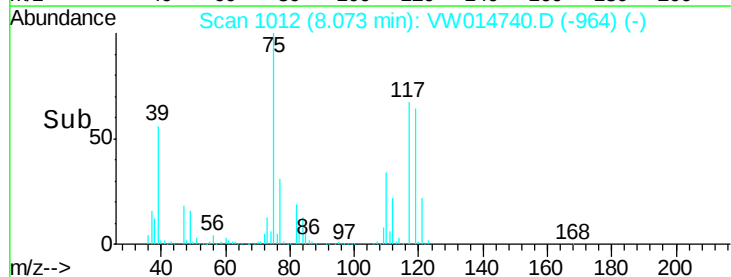
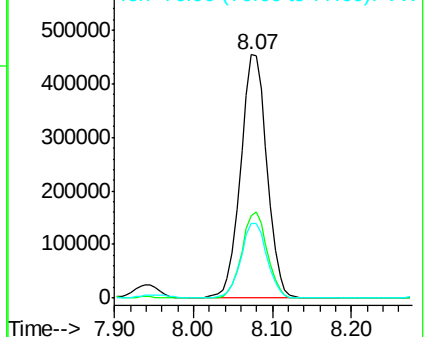
77 30.7 24.8 37.2

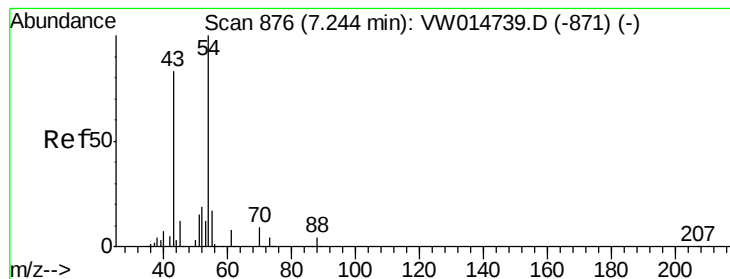


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 102.51 ug/l

RT: 7.24 min Scan# 876

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

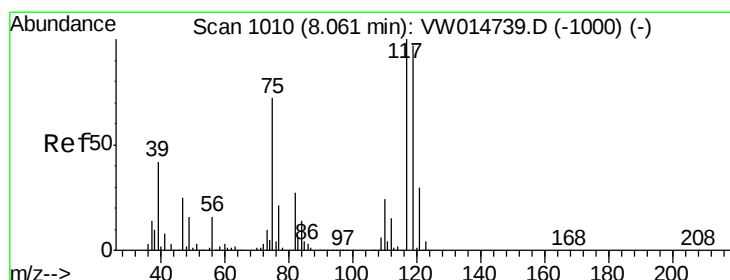
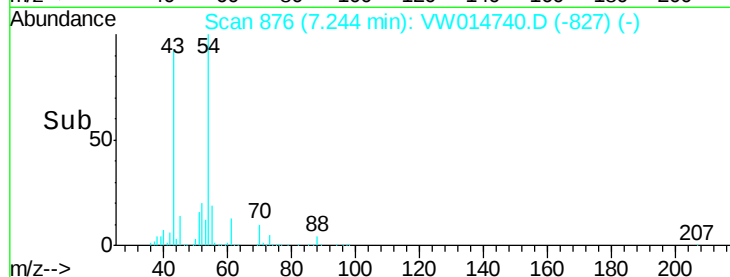
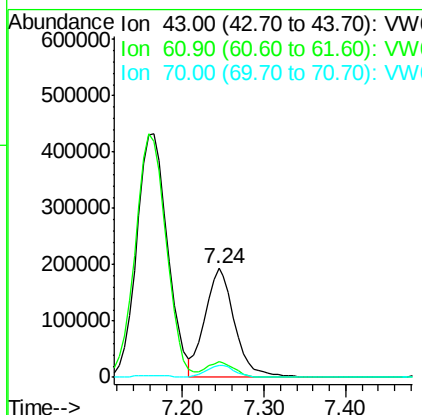
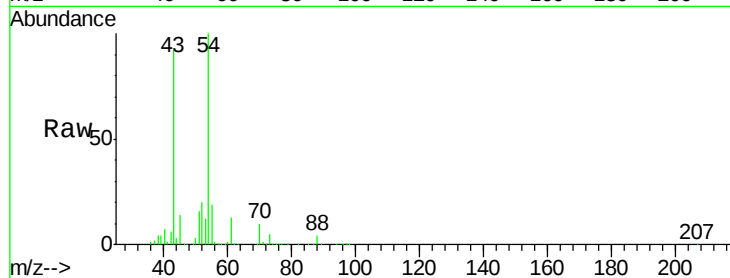
Tgt Ion: 43 Resp: 489833

Ion Ratio Lower Upper

43 100

61 13.7 10.7 16.1

70 10.5 8.5 12.7



#38

Carbon Tetrachloride

Concen: 98.36 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

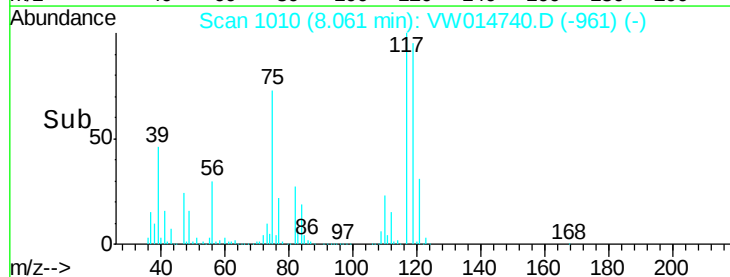
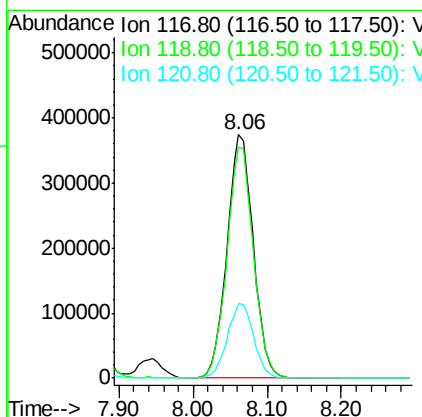
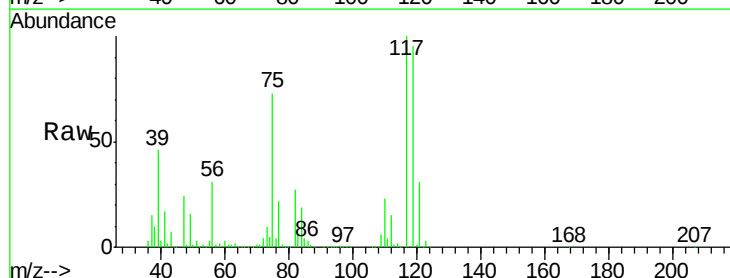
Tgt Ion: 117 Resp: 921284

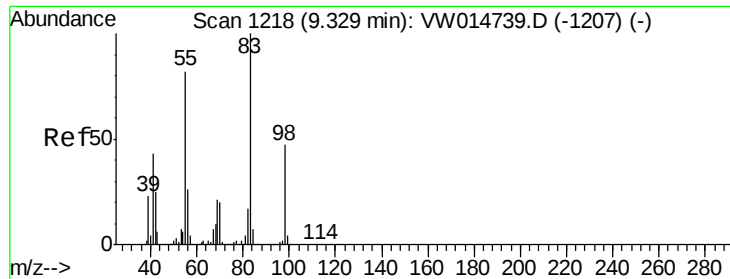
Ion Ratio Lower Upper

117 100

119 94.7 77.5 116.3

121 30.5 24.3 36.5

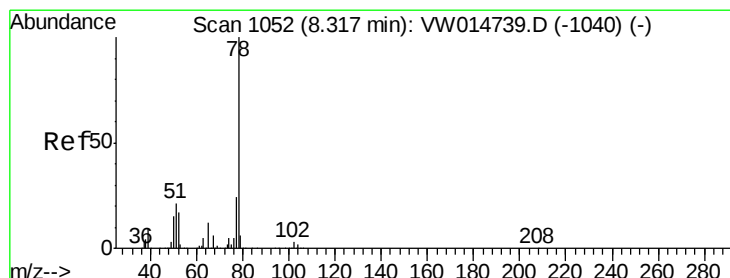
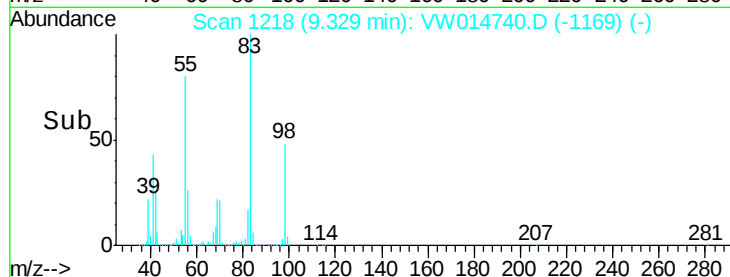
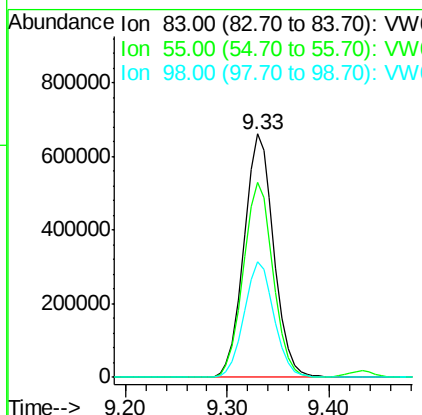
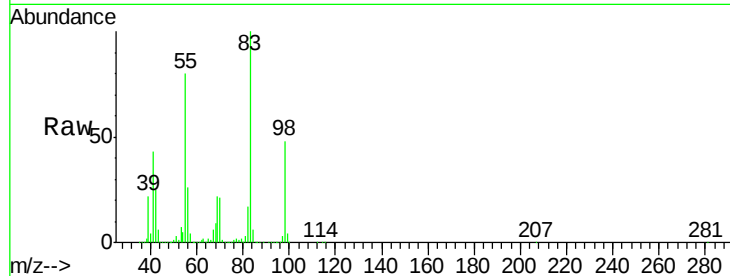




#39
Methylcyclohexane
Concen: 97.66 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

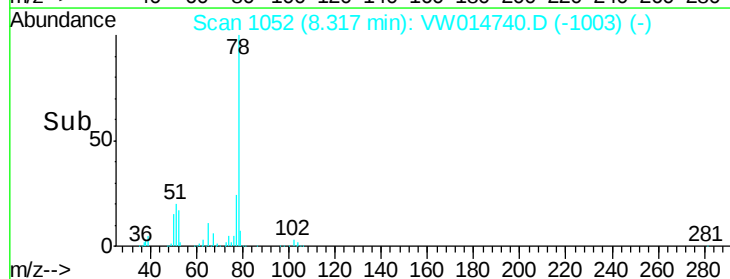
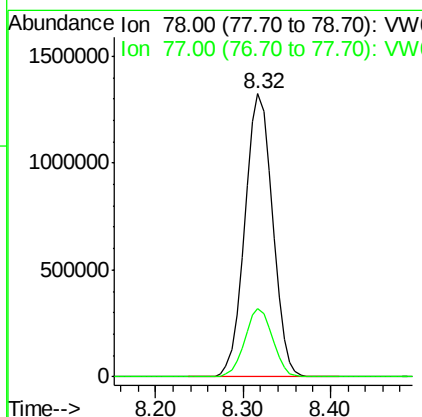
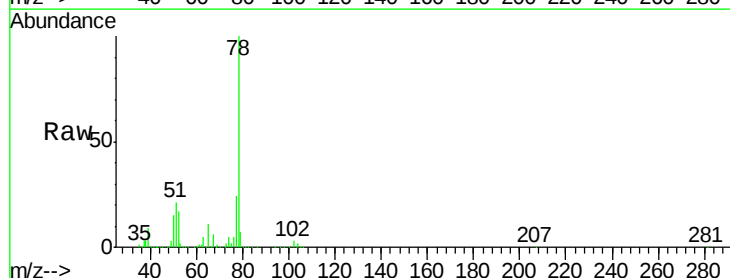
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

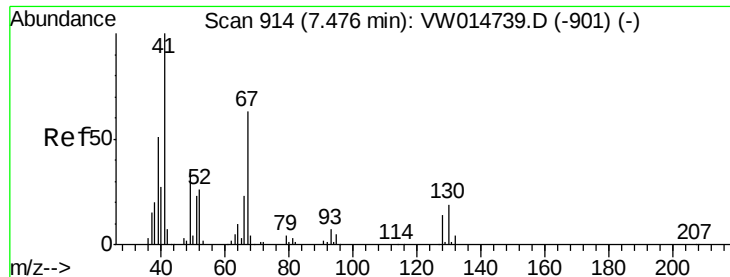
Tgt Ion: 83 Resp: 1343232
Ion Ratio Lower Upper
83 100
55 80.1 65.2 97.8
98 47.6 37.6 56.4



#40
Benzene
Concen: 95.65 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion: 78 Resp: 2922005
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7





#41

Methacrylonitrile

Concen: 107.07 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 287040

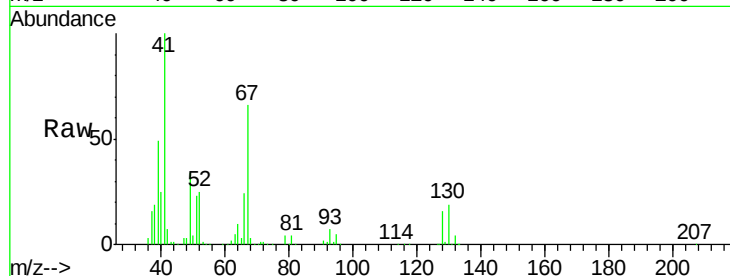
Ion Ratio Lower Upper

41 100

39 56.4 45.3 67.9

67 68.8 57.0 85.4

52 27.6 23.0 34.6

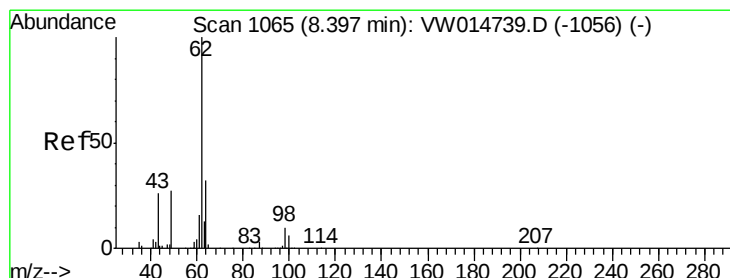
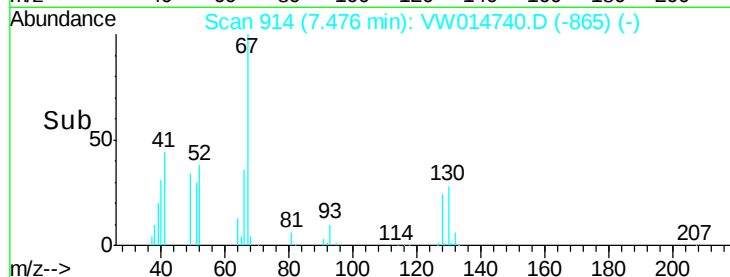
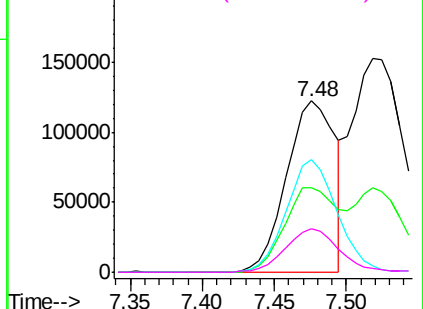


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 98.98 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014740.D

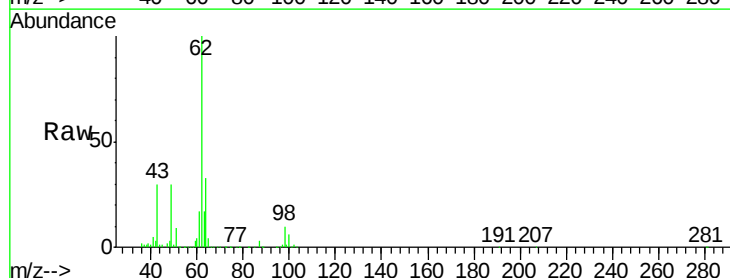
Acq: 24 Jan 2020 12:18

Tgt Ion: 62 Resp: 787181

Ion Ratio Lower Upper

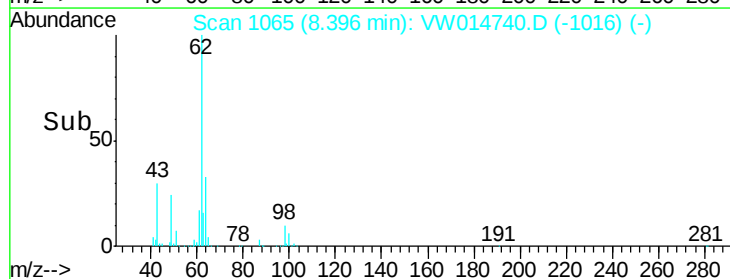
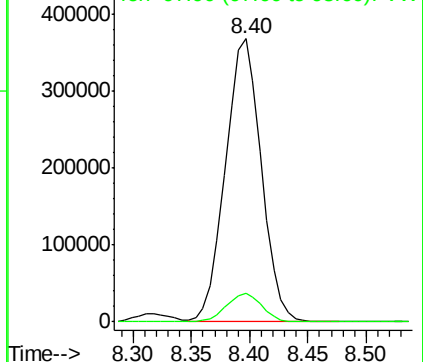
62 100

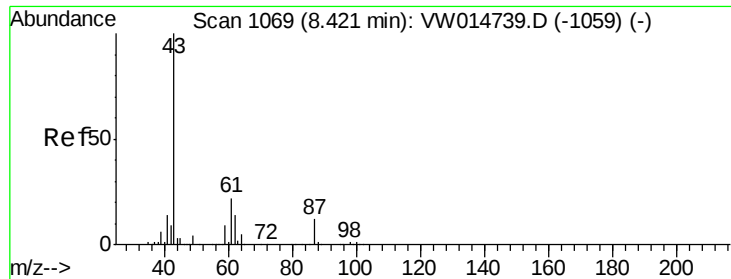
98 10.1 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

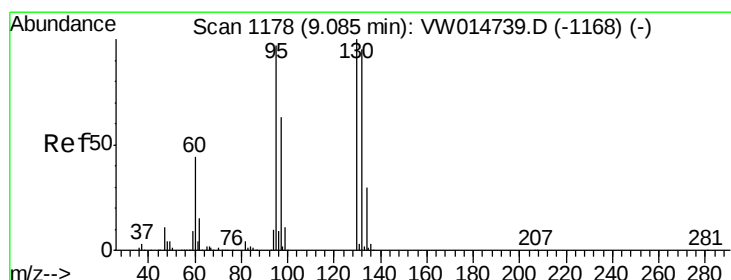
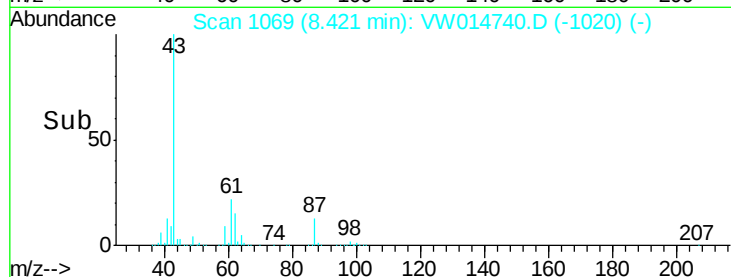
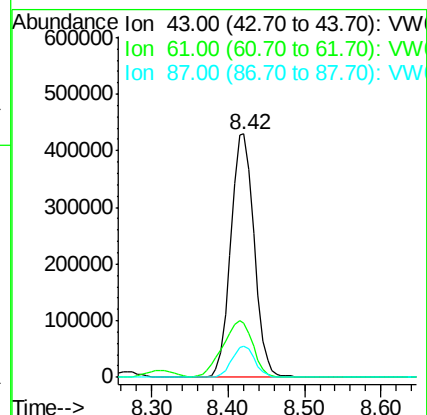
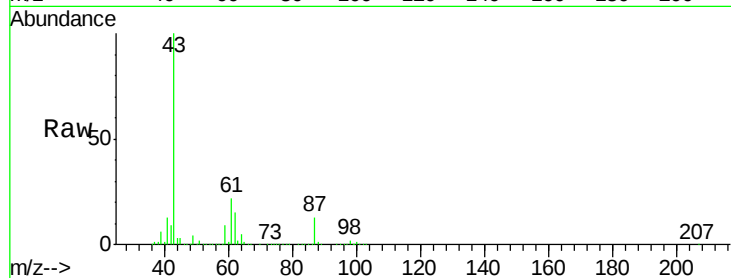




#43
Isopropyl Acetate
Concen: 103.70 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

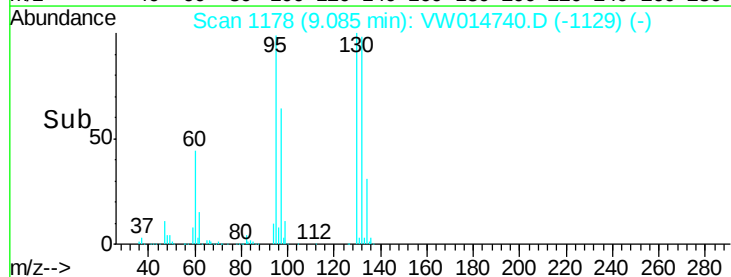
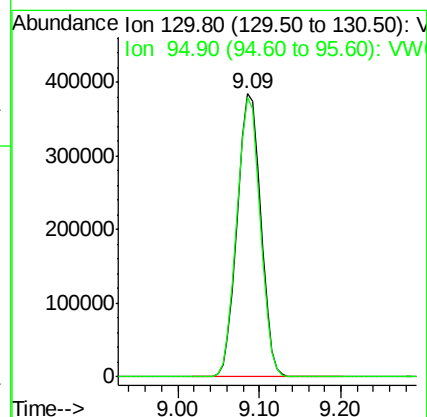
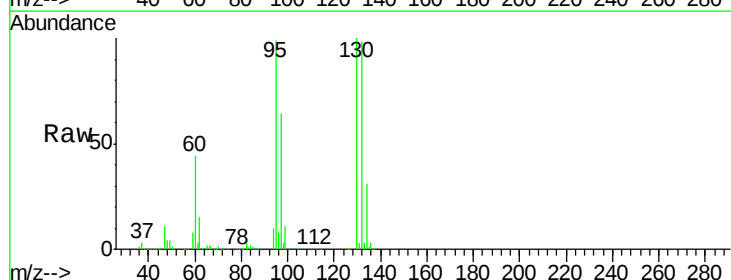
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

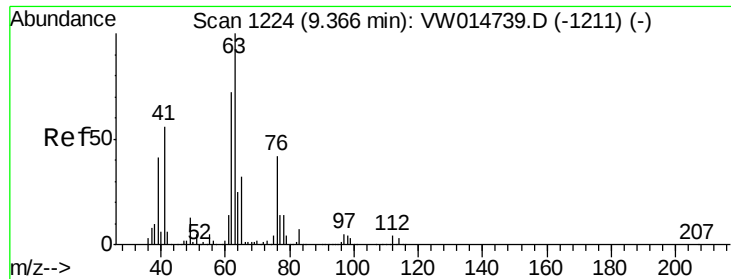
Tgt Ion: 43 Resp: 906515
Ion Ratio Lower Upper
43 100
61 30.0 24.4 36.6
87 12.6 9.8 14.6



#44
Trichloroethene
Concen: 93.25 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion: 130 Resp: 764181
Ion Ratio Lower Upper
130 100
95 98.9 0.0 193.2

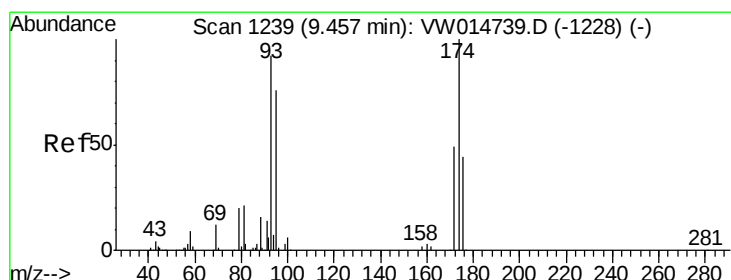
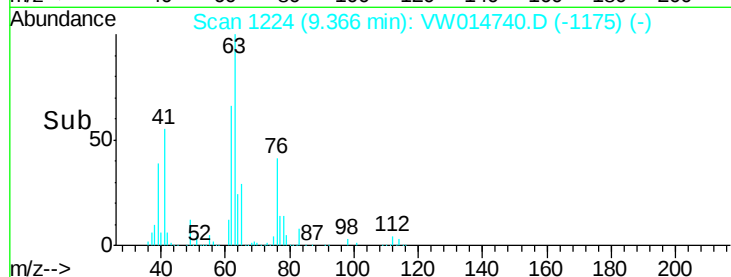
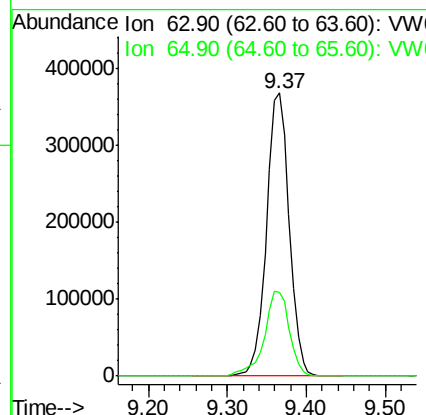
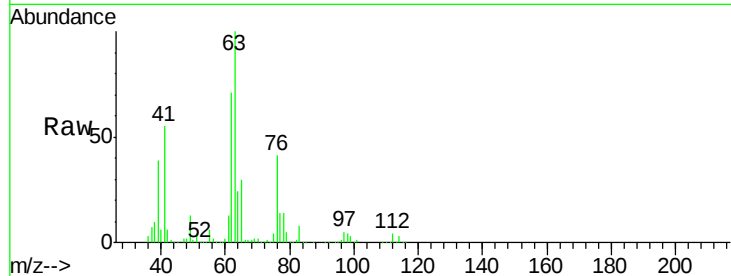




#45
 1,2-Dichloropropane
 Concen: 98.08 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

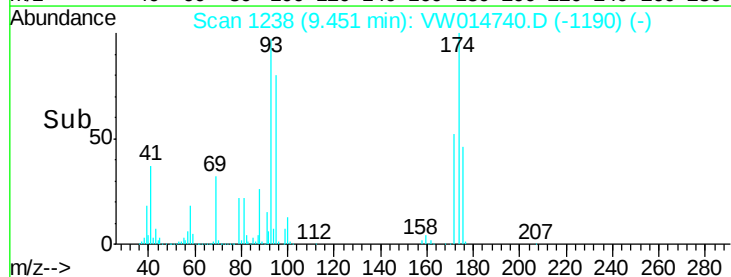
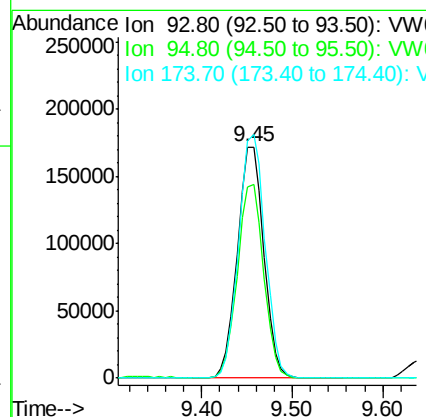
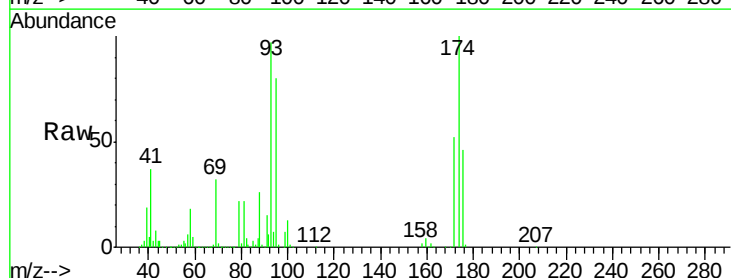
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

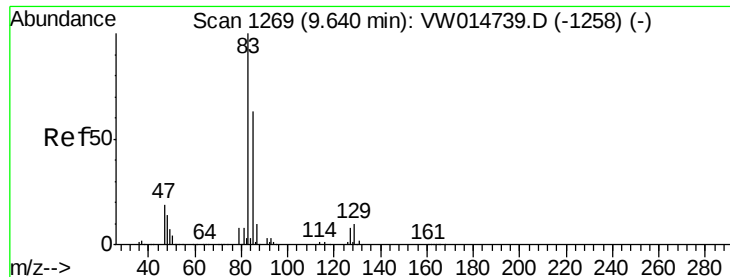
Tgt Ion: 63 Resp: 735984
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.3 37.9



#46
 Dibromomethane
 Concen: 95.44 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

Tgt Ion: 93 Resp: 348327
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.4 98.2
 174 105.6 84.2 126.2





#47

Bromodichloromethane

Concen: 99.20 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

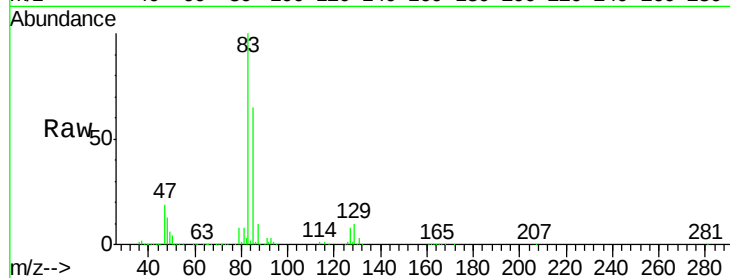
Tgt Ion: 83 Resp: 906284

Ion Ratio Lower Upper

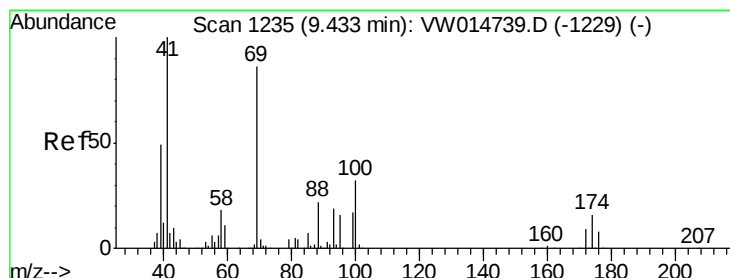
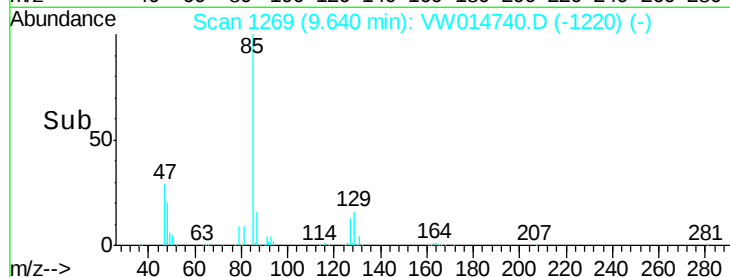
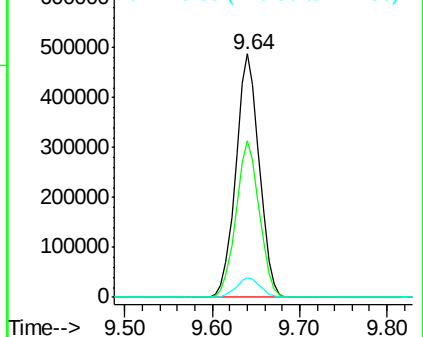
83 100

85 64.5 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): V



#48

Methyl methacrylate

Concen: 108.19 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

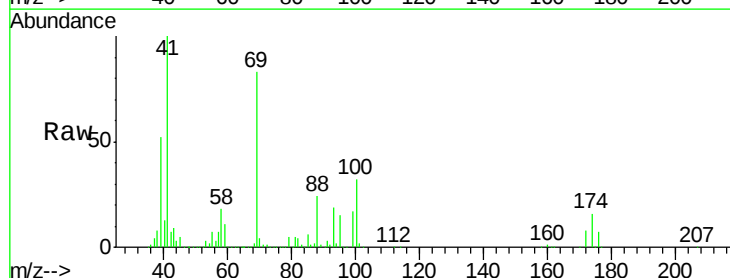
Tgt Ion: 41 Resp: 457017

Ion Ratio Lower Upper

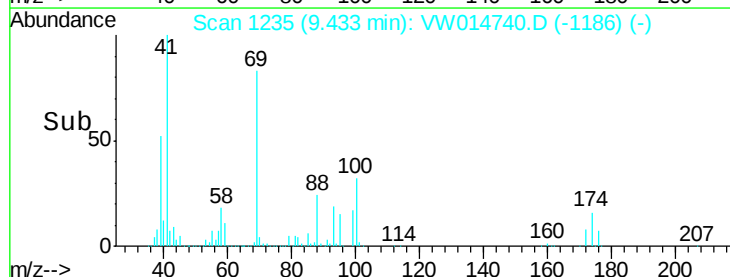
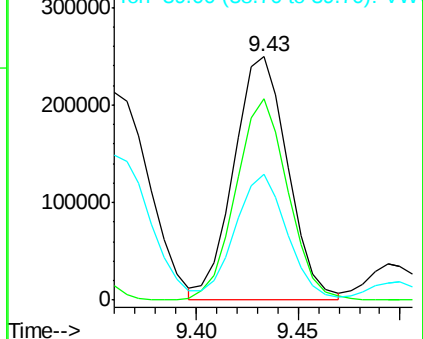
41 100

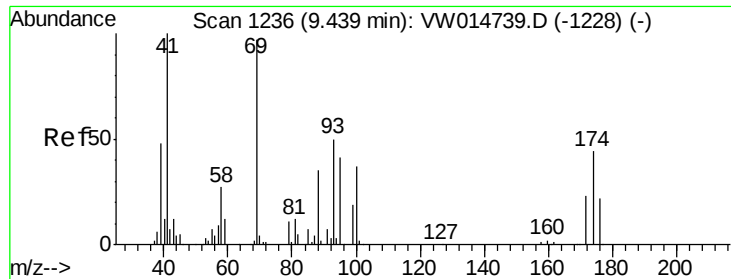
69 80.3 69.6 104.4

39 47.0 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

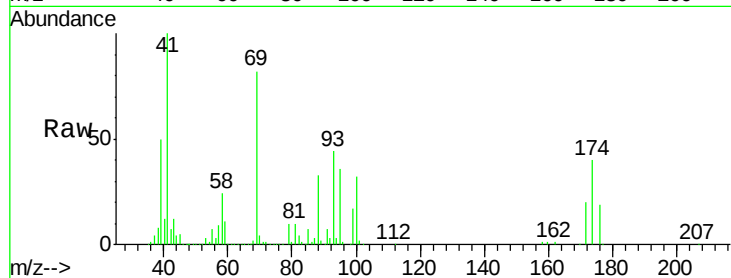




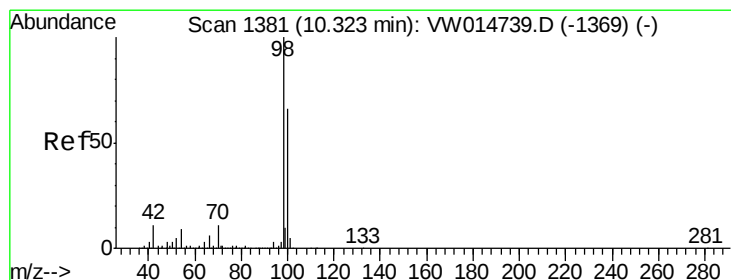
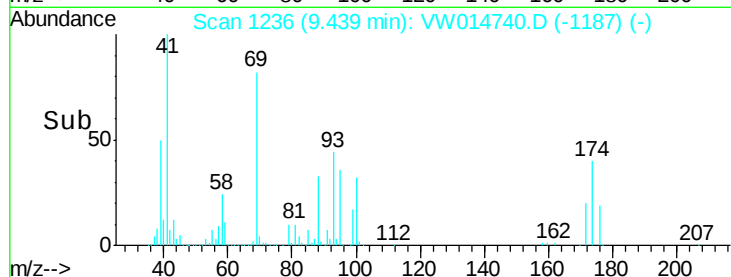
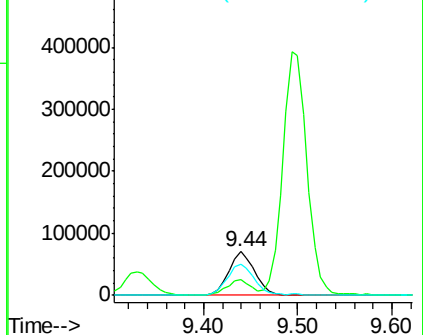
#49
1,4-Dioxane
Concen: 2028.31 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 88 Resp: 135593
Ion Ratio Lower Upper
88 100
43 32.1 27.1 40.7
58 72.8 58.7 88.1

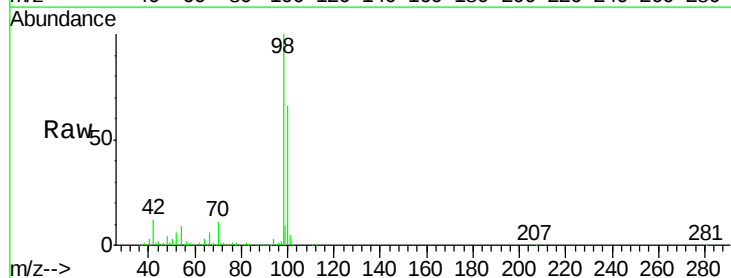


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

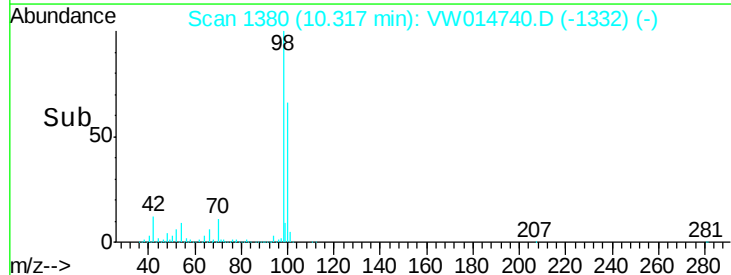
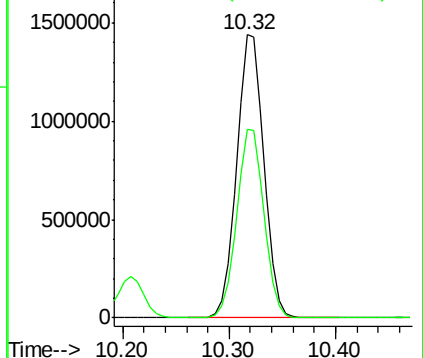


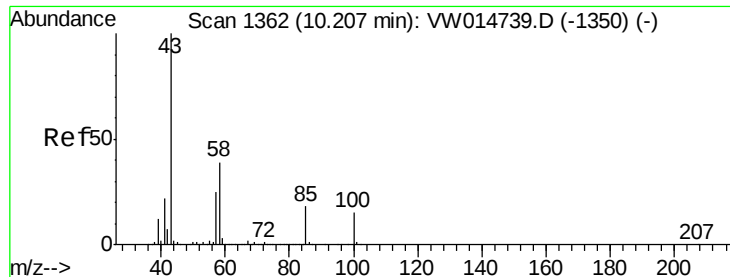
#50
Toluene-d8
Concen: 96.98 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion: 98 Resp: 2584164
Ion Ratio Lower Upper
98 100
100 66.5 52.6 79.0



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

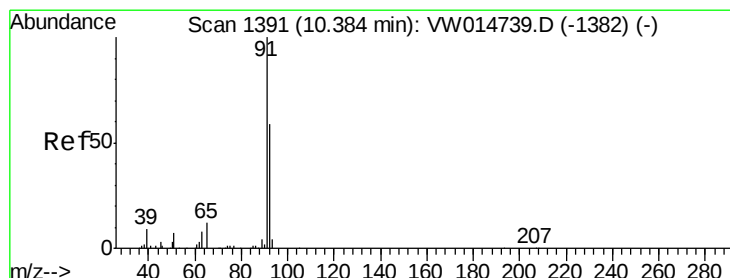
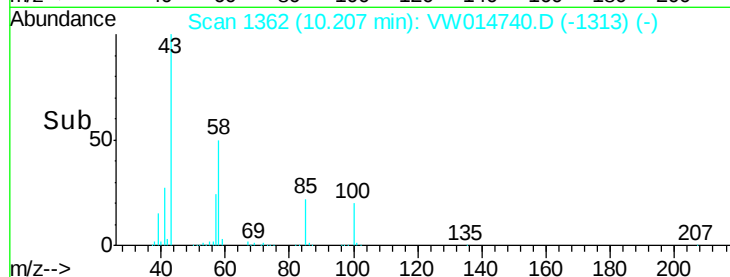
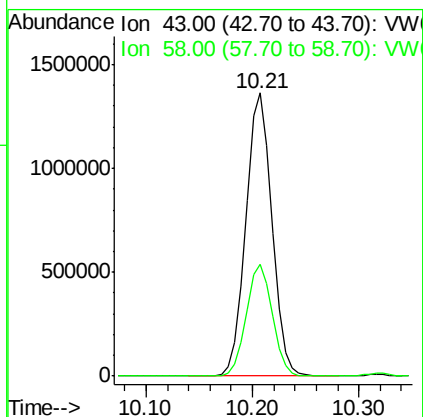
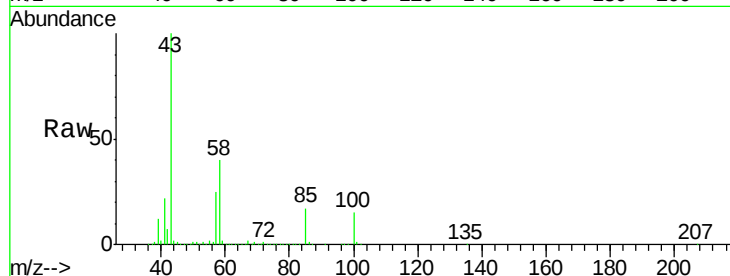




#51
4-Methyl-2-Pentanone
Concen: 519.64 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

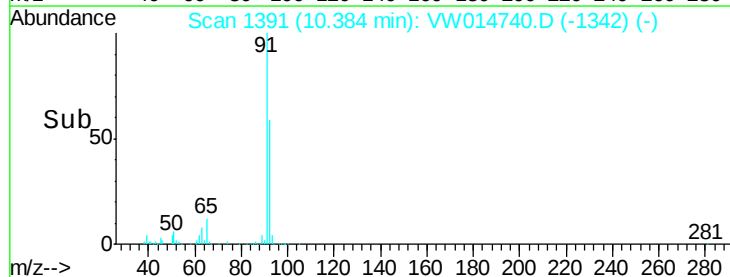
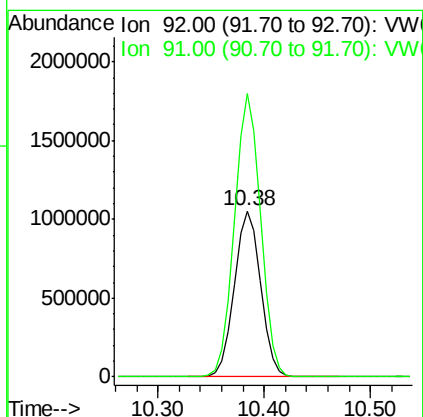
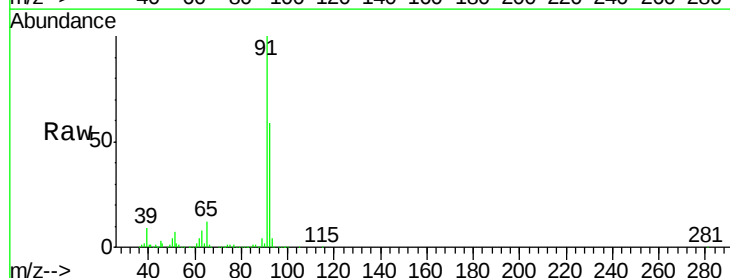
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

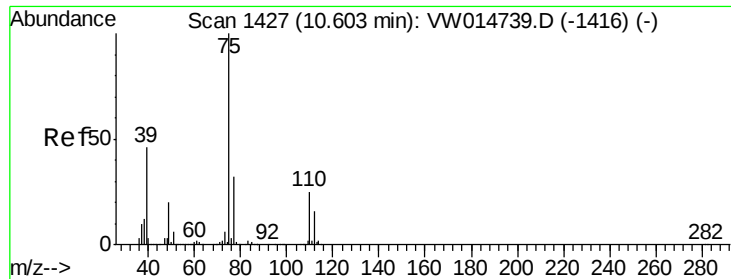
Tgt Ion: 43 Resp: 2348168
Ion Ratio Lower Upper
43 100
58 39.5 31.4 47.0



#52
Toluene
Concen: 95.40 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion: 92 Resp: 1822740
Ion Ratio Lower Upper
92 100
91 170.4 135.8 203.8





#53

t-1,3-Dichloropropene

Concen: 101.06 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

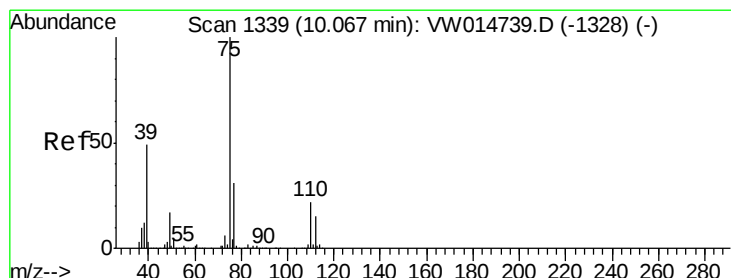
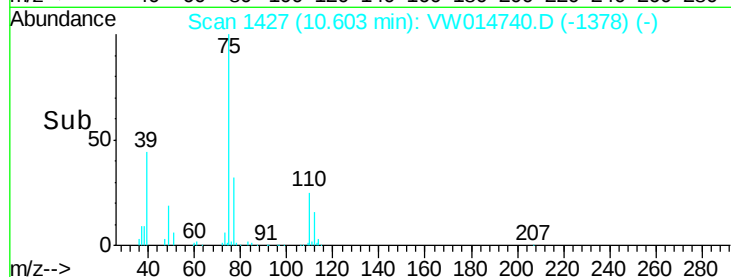
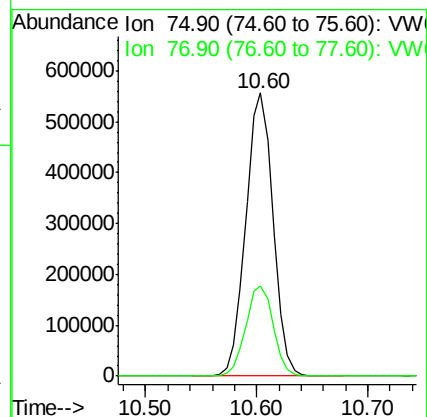
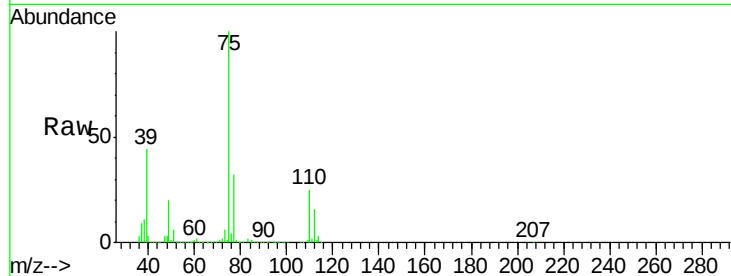
VSTDIC100

Tgt Ion: 75 Resp: 945578

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 99.68 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

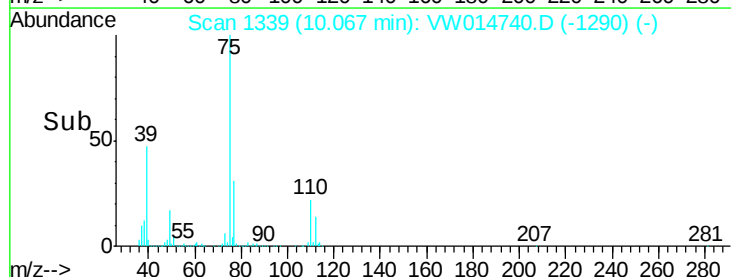
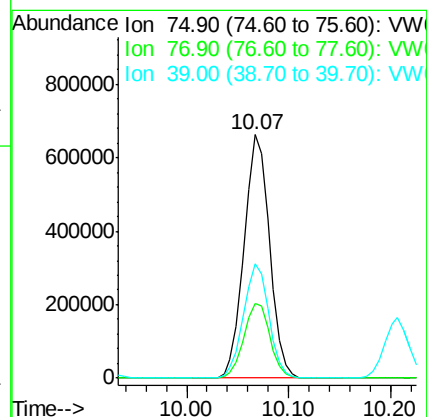
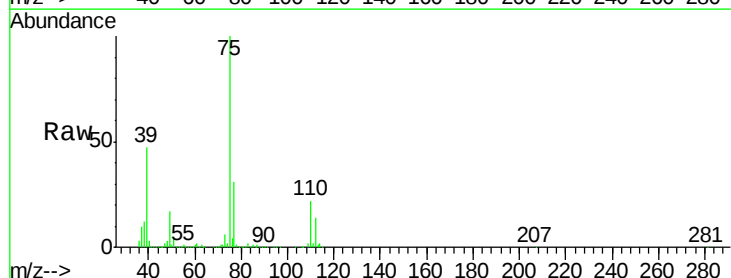
Tgt Ion: 75 Resp: 1144714

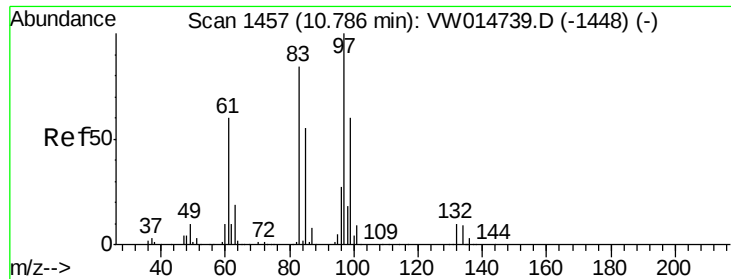
Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4

39 46.7 39.0 58.6

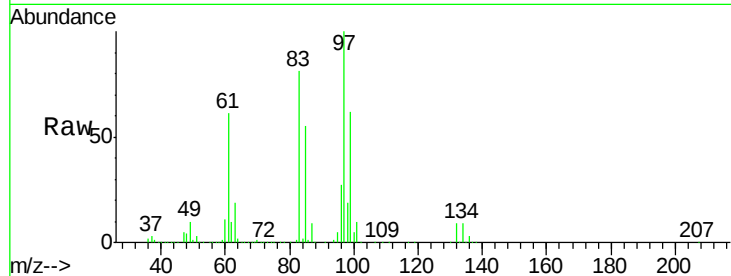




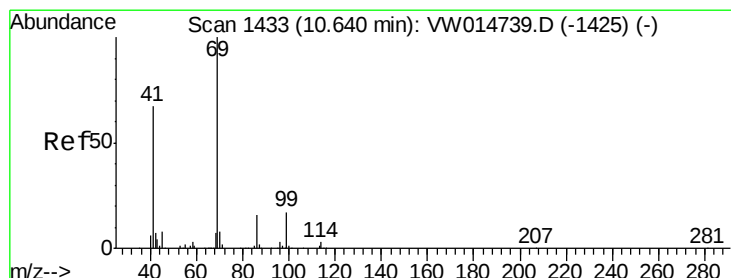
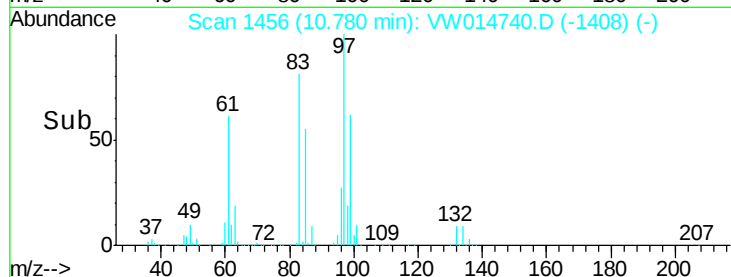
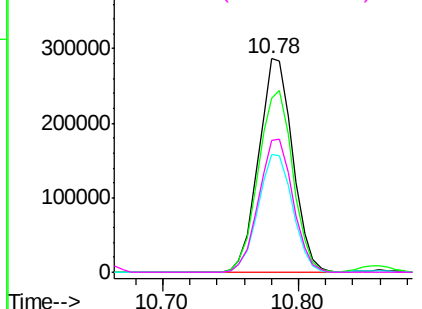
#55
 1,1,2-Trichloroethane
 Concen: 94.97 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion: 97 Resp: 504600
 Ion Ratio Lower Upper
 97 100
 83 81.5 67.1 100.7
 85 55.0 44.2 66.2
 99 61.5 48.2 72.4

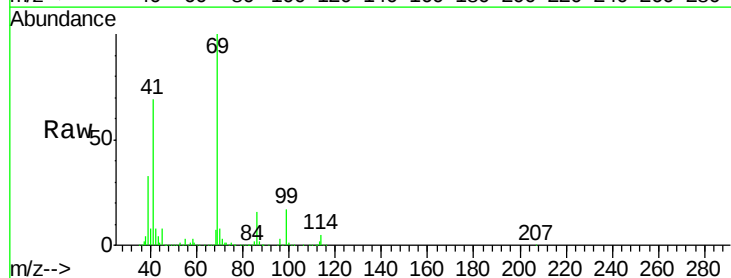


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

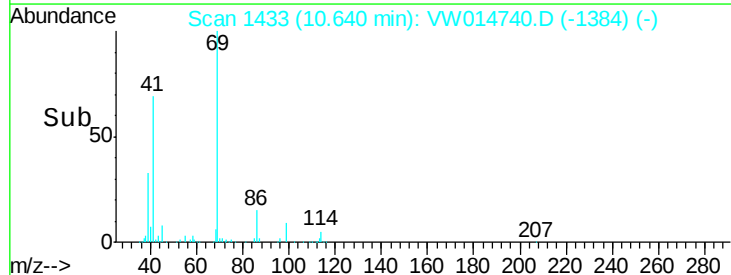
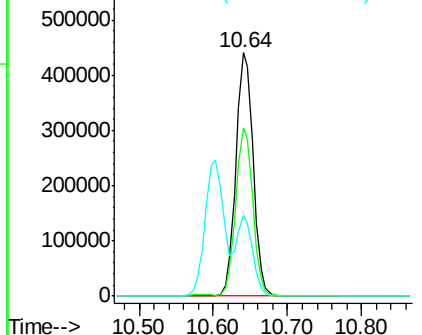


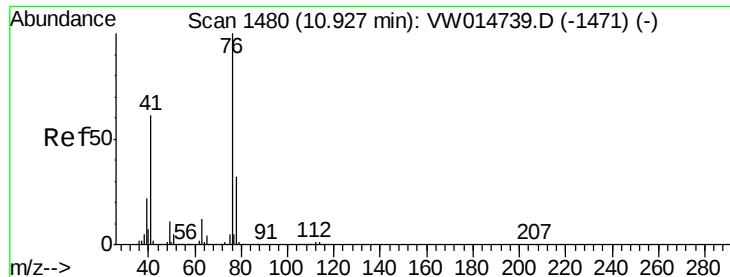
#56
 Ethyl methacrylate
 Concen: 104.55 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

Tgt Ion: 69 Resp: 718240
 Ion Ratio Lower Upper
 69 100
 41 68.4 54.4 81.6
 39 31.9 22.4 33.6



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





#57

1,3-Dichloropropane

Concen: 96.92 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

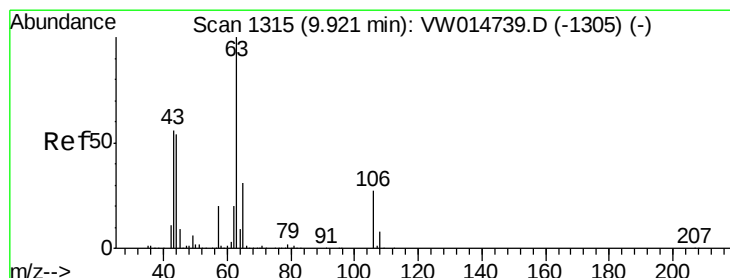
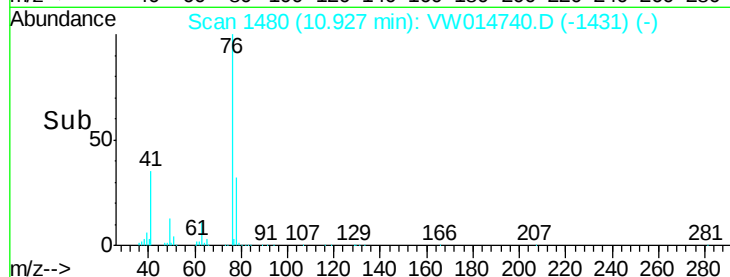
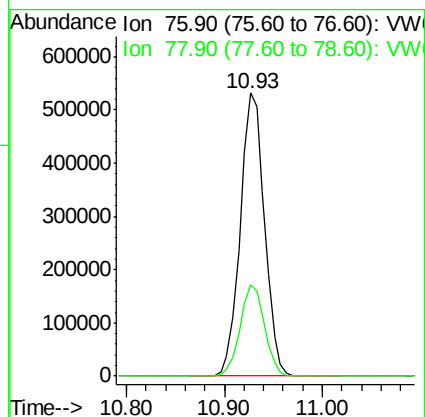
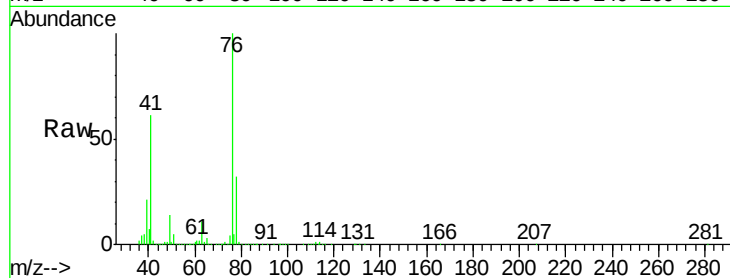
VSTDIC100

Tgt Ion: 76 Resp: 911238

Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 571.31 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014740.D

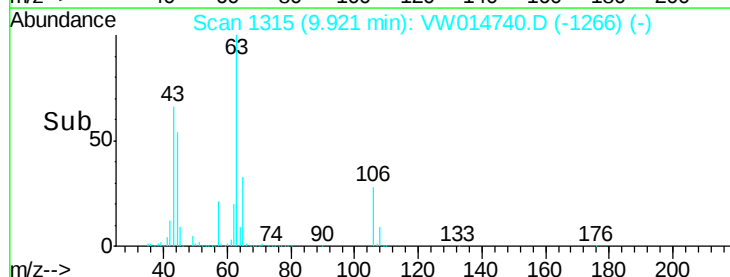
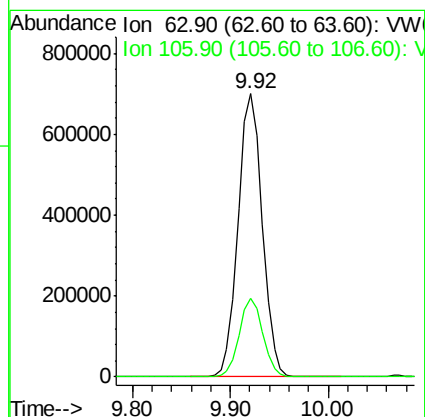
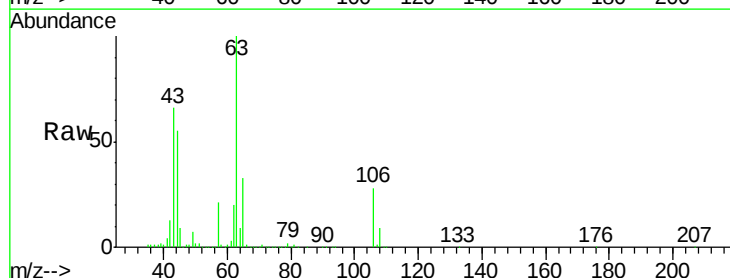
Acq: 24 Jan 2020 12:18

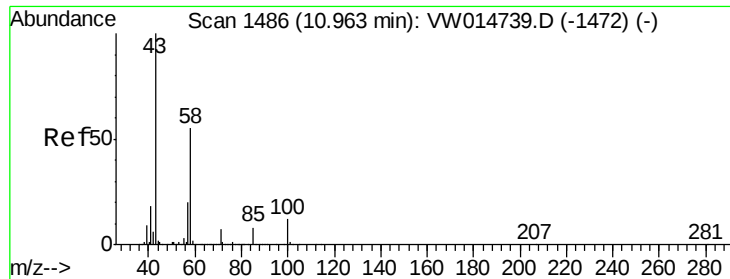
Tgt Ion: 63 Resp: 1203708

Ion Ratio Lower Upper

63 100

106 27.3 21.8 32.8

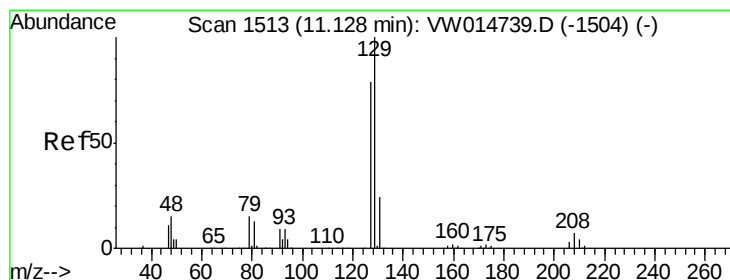
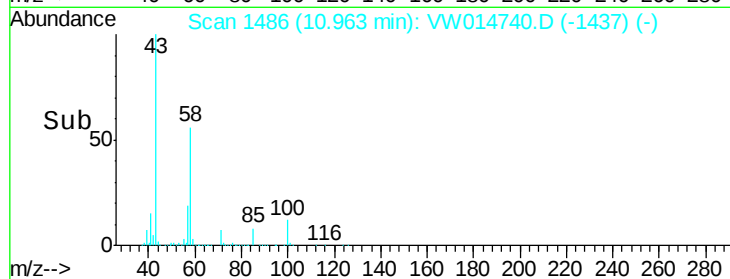
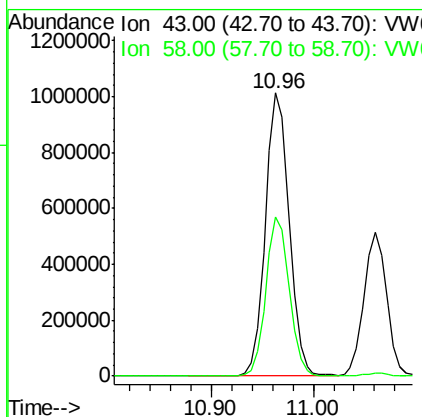
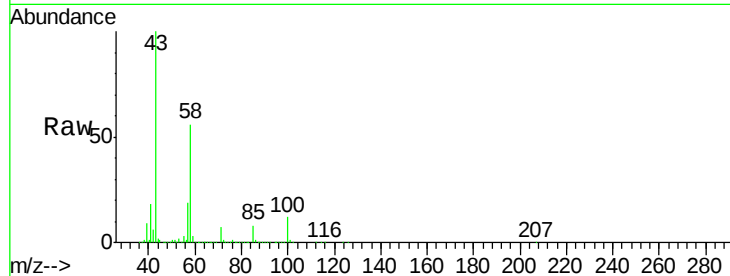




#59
2-Hexanone
Concen: 529.00 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

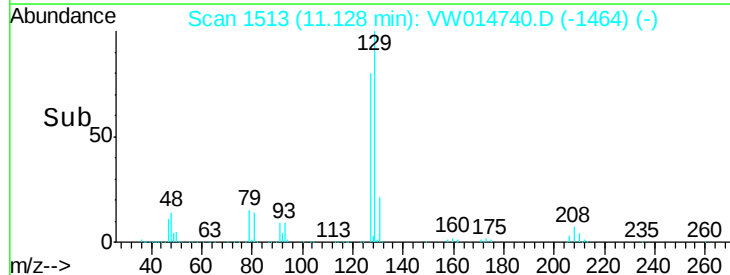
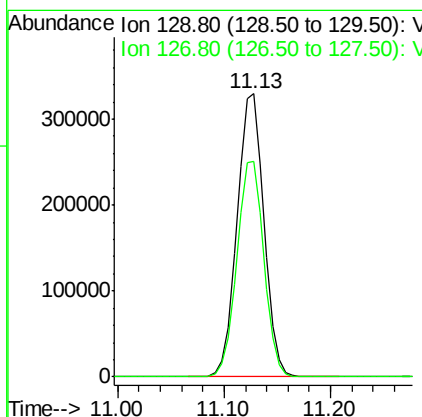
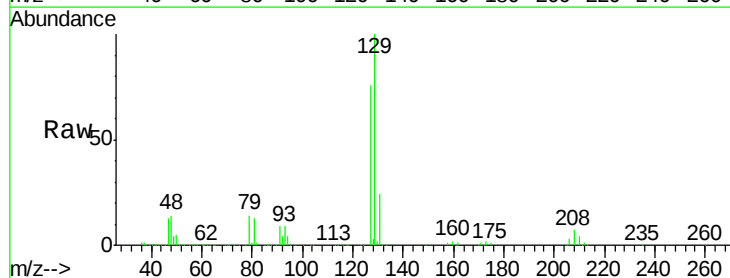
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

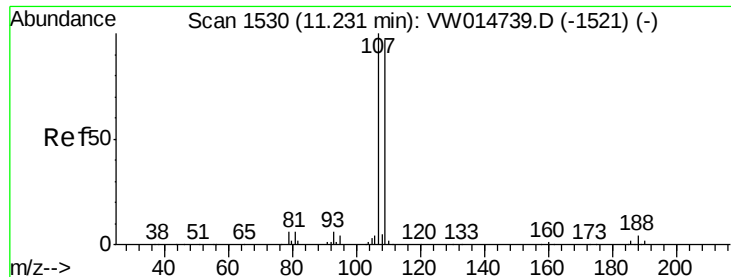
Tgt Ion: 43 Resp: 1637101
Ion Ratio Lower Upper
43 100
58 55.4 27.3 81.8



#60
Dibromochloromethane
Concen: 97.40 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion: 129 Resp: 583844
Ion Ratio Lower Upper
129 100
127 76.7 39.9 119.6

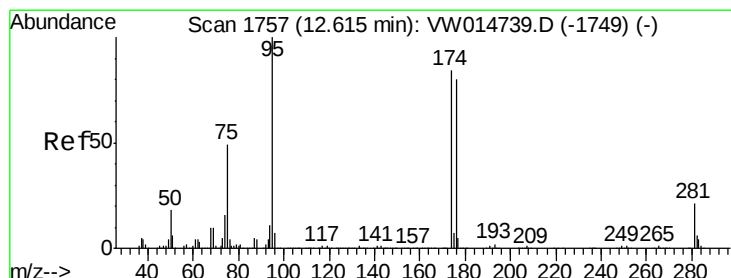
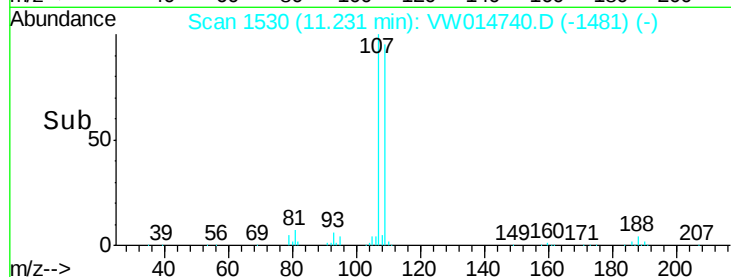
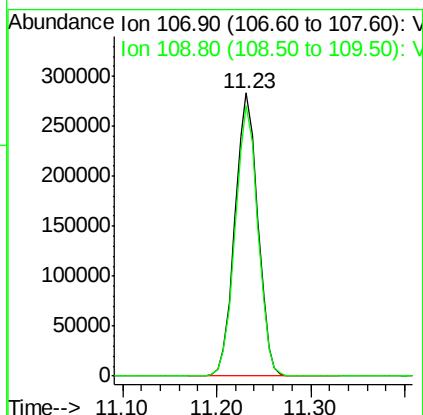
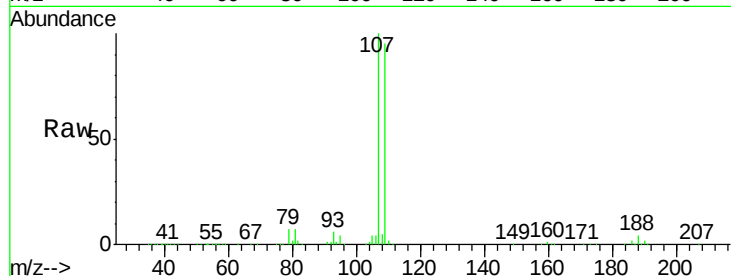




#61
1,2-Dibromoethane
Concen: 95.41 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

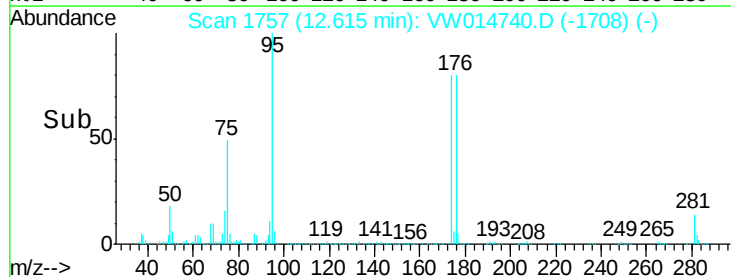
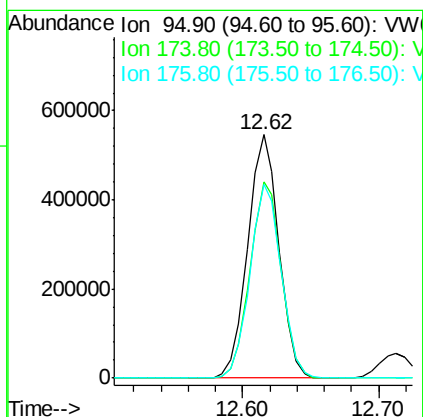
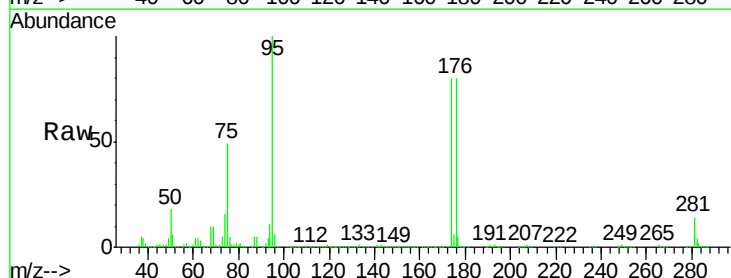
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

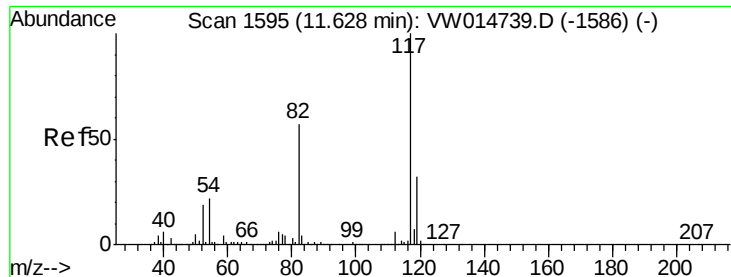
Tgt Ion: 107 Resp: 478405
Ion Ratio Lower Upper
107 100
109 94.6 76.7 115.1



#62
4-Bromofluorobenzene
Concen: 96.87 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion: 95 Resp: 873463
Ion Ratio Lower Upper
95 100
174 81.3 0.0 163.0
176 80.1 0.0 159.2

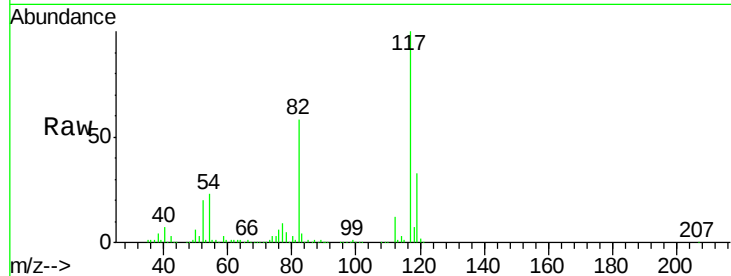




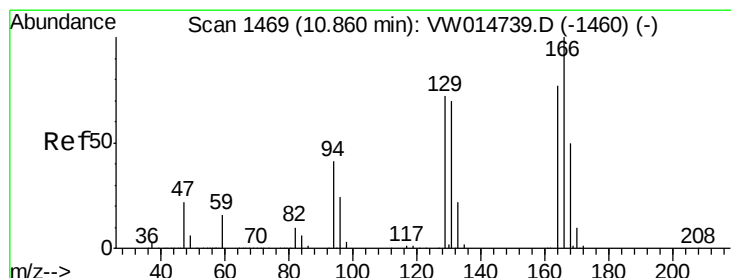
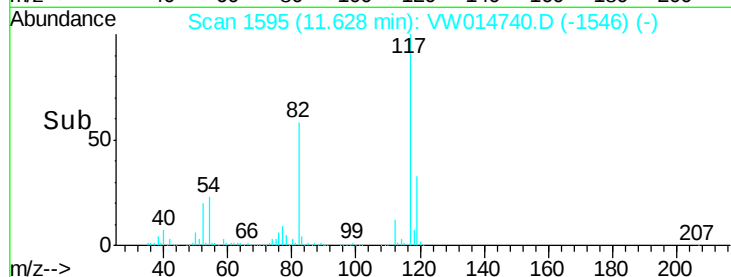
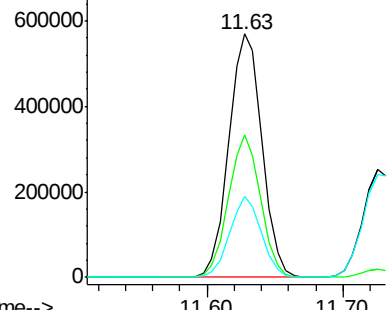
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 971924
Ion Ratio Lower Upper
117 100
82 58.5 45.9 68.9
119 33.2 25.7 38.5

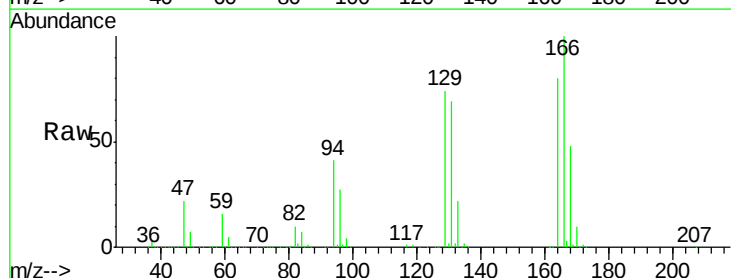


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

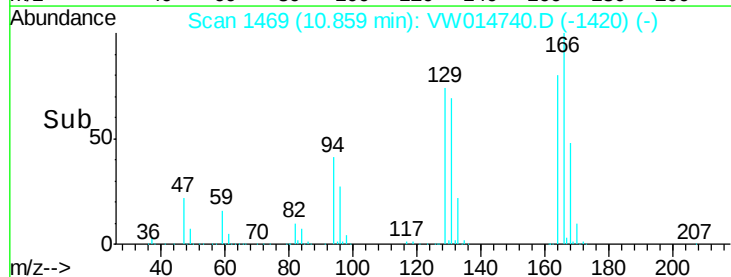
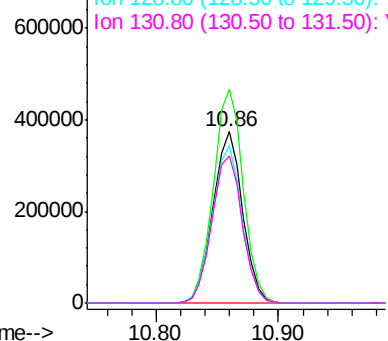


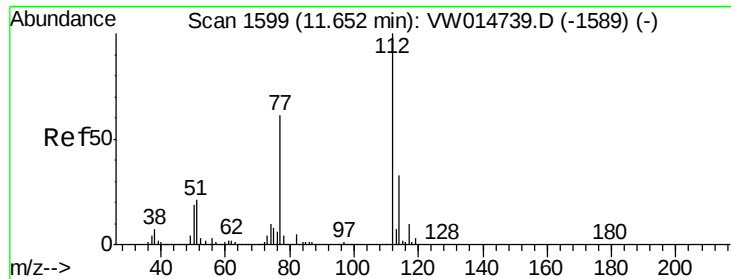
#64
Tetrachloroethene
Concen: 89.28 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion:164 Resp: 626637
Ion Ratio Lower Upper
164 100
166 124.6 104.0 156.0
129 91.7 75.0 112.4
131 86.0 72.7 109.1



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

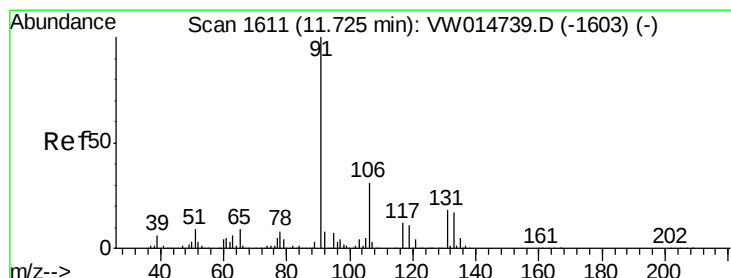
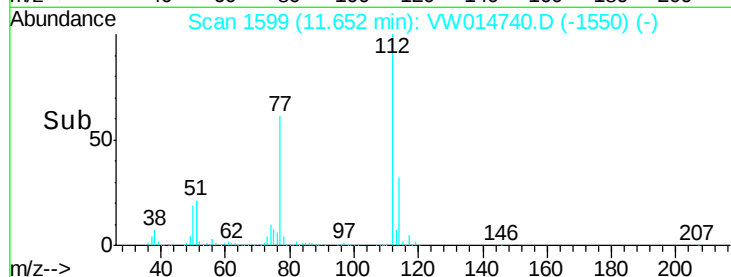
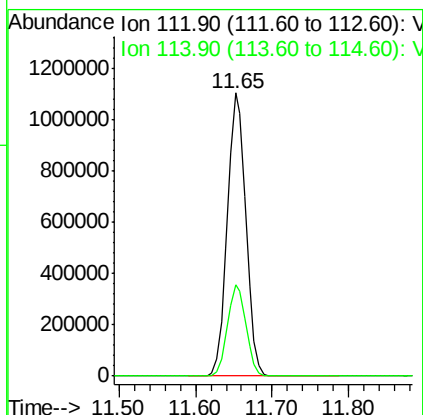
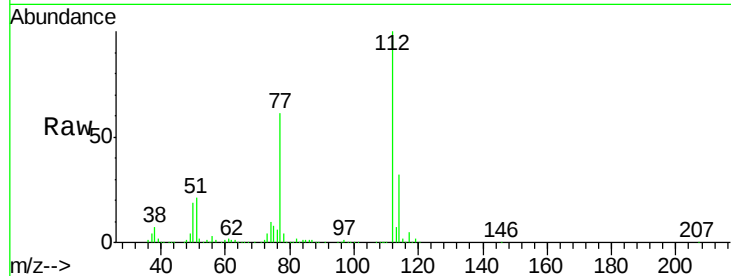




#65
Chlorobenzene
Concen: 92.33 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

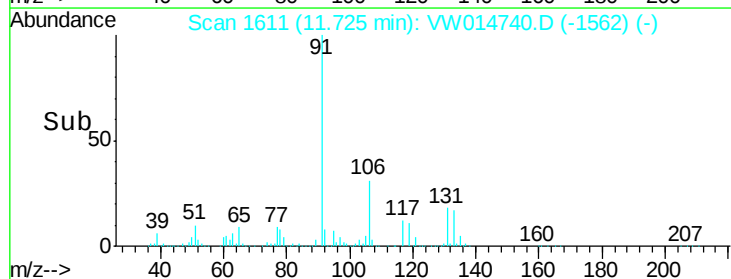
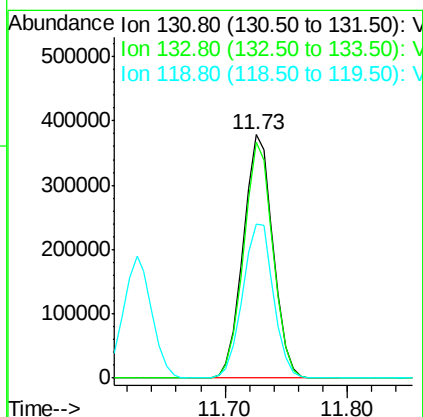
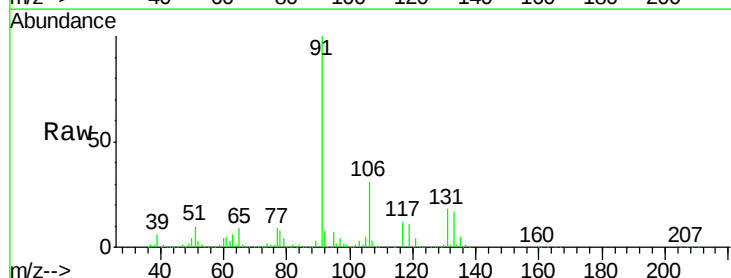
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

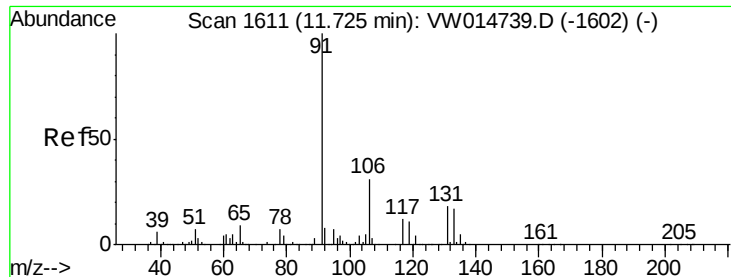
Tgt Ion:112 Resp: 1845306
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 94.96 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion:131 Resp: 638812
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 65.7 33.0 98.9

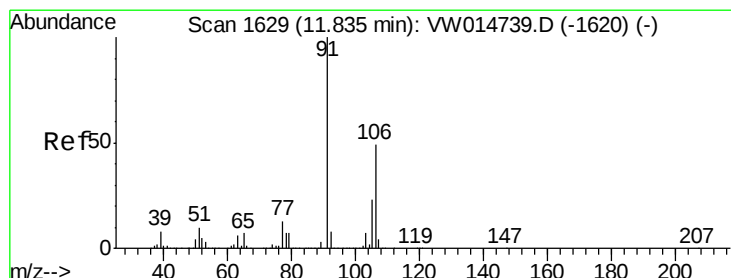
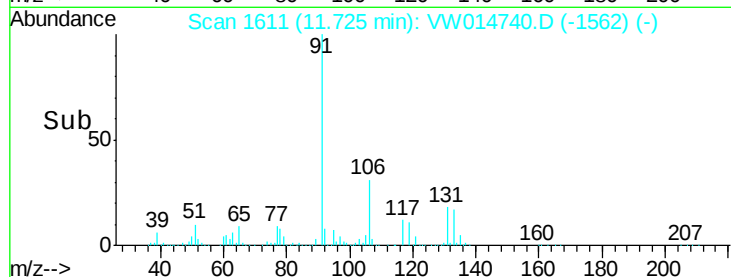
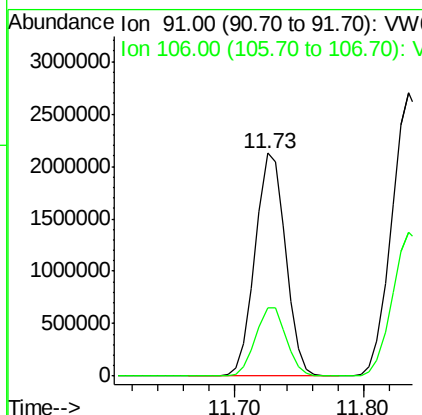
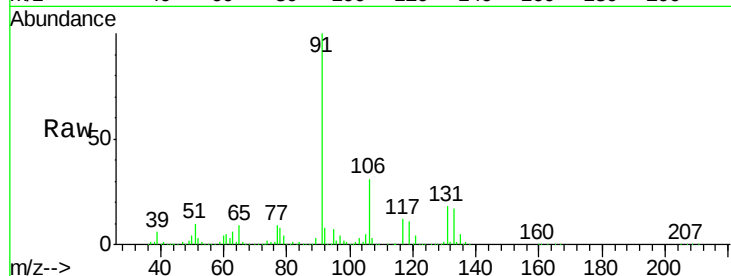




#67
Ethyl Benzene
Concen: 95.79 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

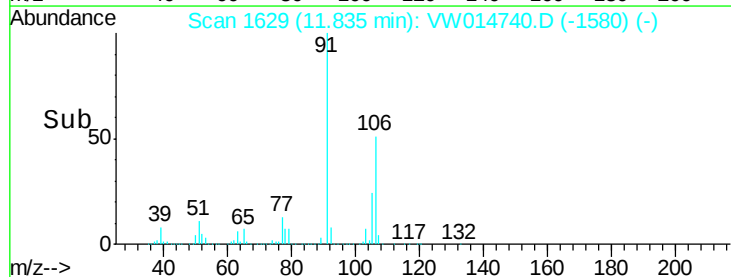
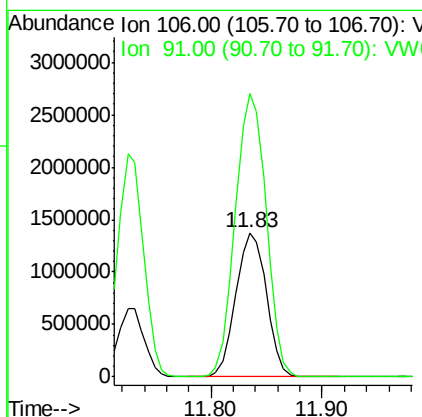
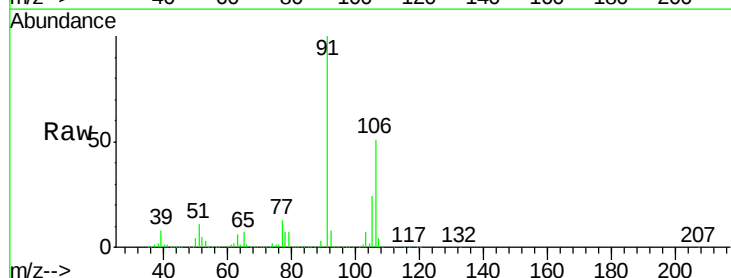
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

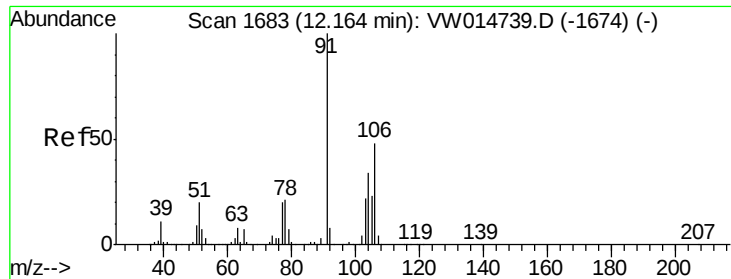
Tgt Ion: 91 Resp: 3463363
Ion Ratio Lower Upper
91 100
106 30.9 24.5 36.7



#68
m/p-Xylenes
Concen: 189.42 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion: 106 Resp: 2614880
Ion Ratio Lower Upper
106 100
91 198.7 161.4 242.0

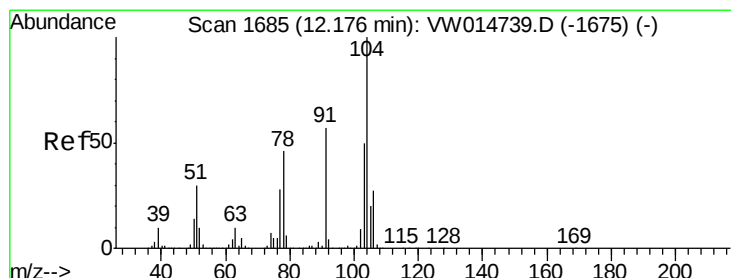
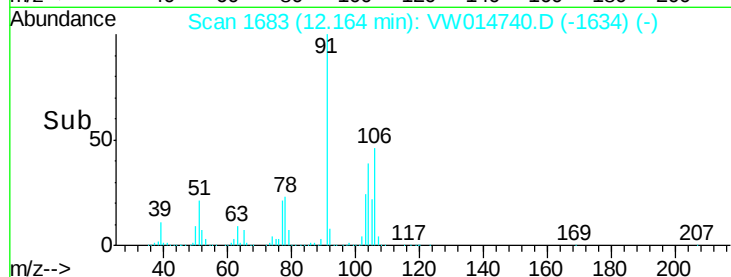
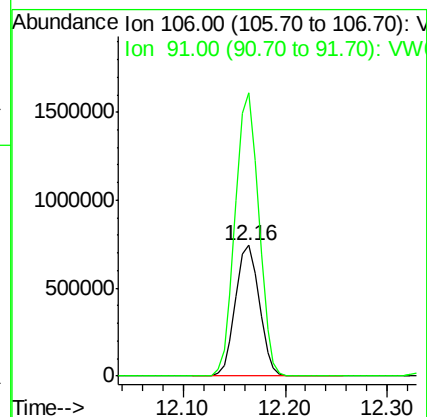
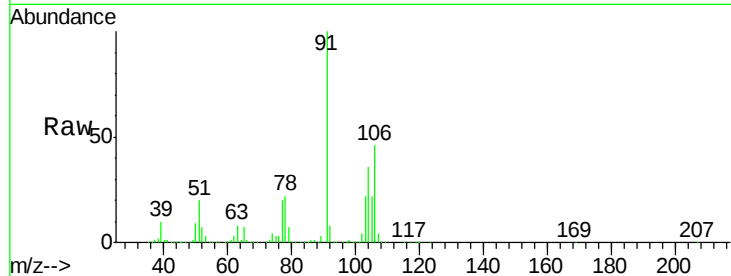




#69
o-Xylene
Concen: 94.59 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

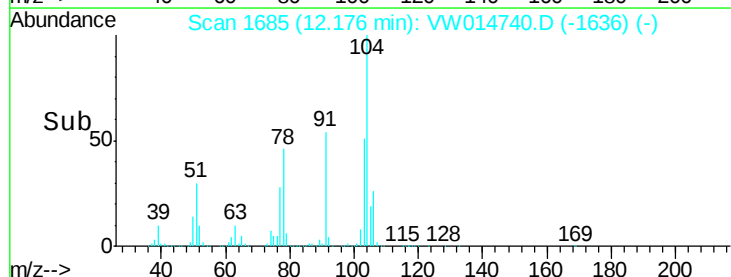
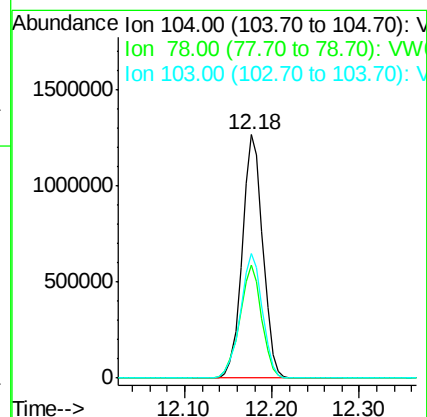
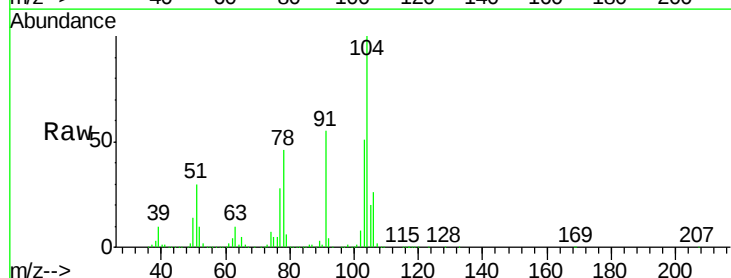
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

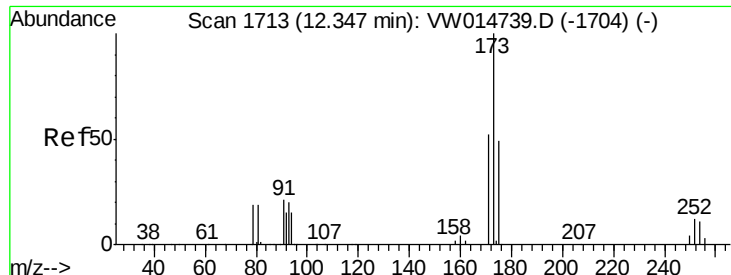
Tgt Ion:106 Resp: 1205221
Ion Ratio Lower Upper
106 100
91 213.9 107.1 321.3



#70
Styrene
Concen: 96.54 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion:104 Resp: 2077985
Ion Ratio Lower Upper
104 100
78 49.4 39.8 59.8
103 54.6 44.0 66.0





#71

Bromoform

Concen: 96.08 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampled :

VSTDICC100

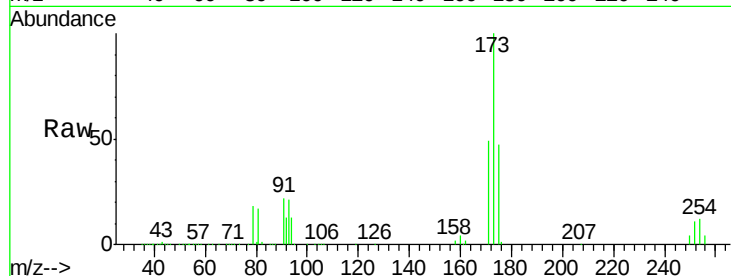
Tgt Ion:173 Resp: 346483

Ion Ratio Lower Upper

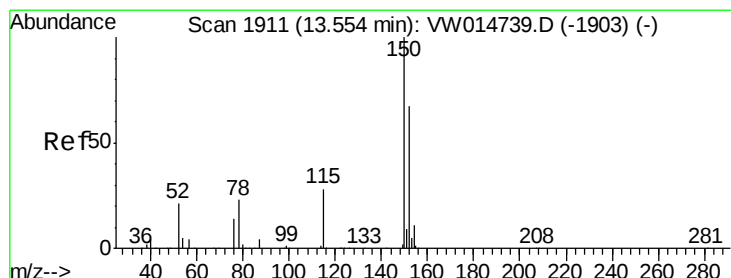
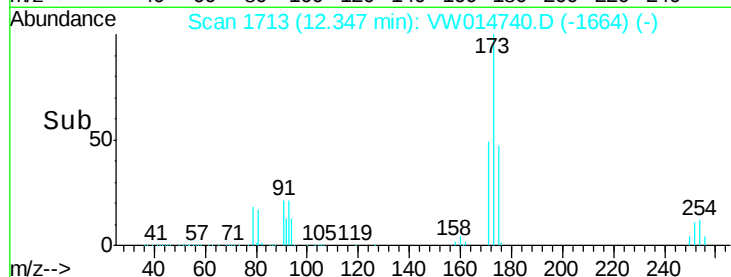
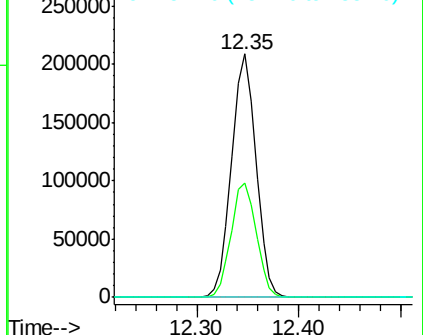
173 100

175 48.2 24.4 73.2

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

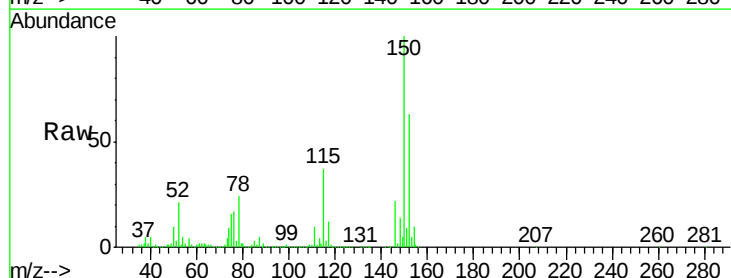
Tgt Ion:152 Resp: 481166

Ion Ratio Lower Upper

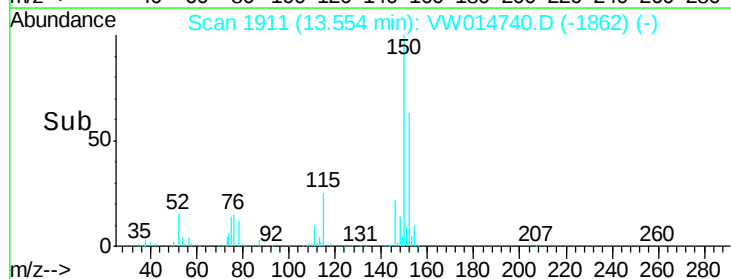
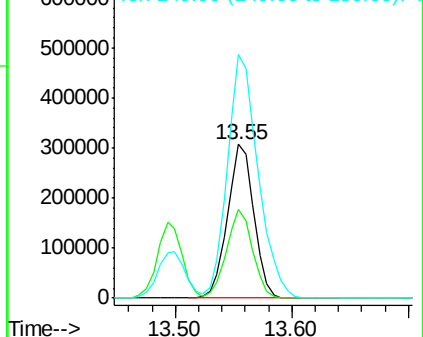
152 100

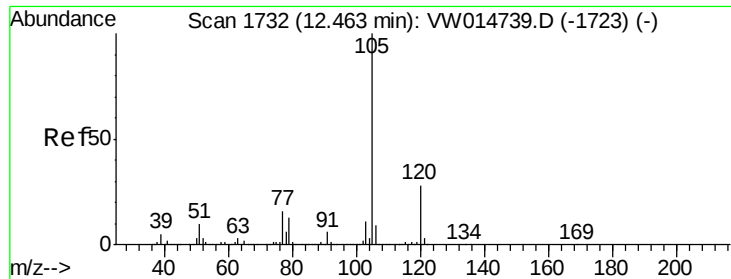
115 56.8 29.0 87.1

150 184.5 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: 93.63 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

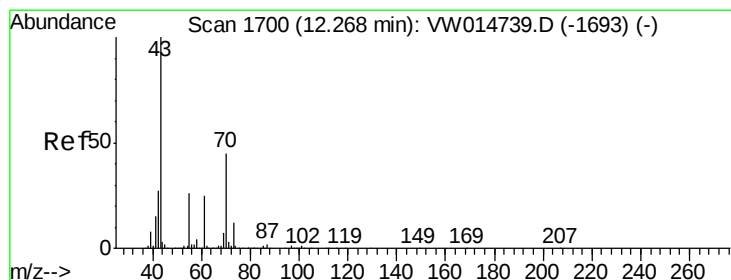
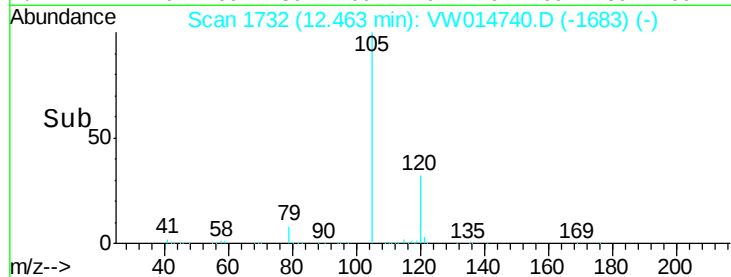
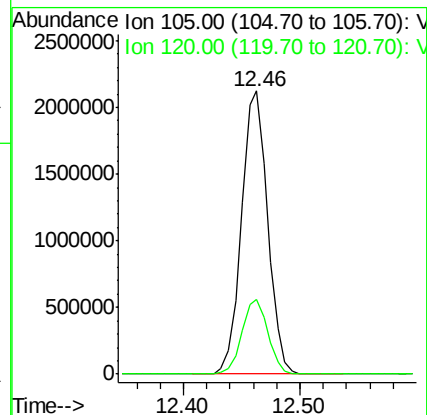
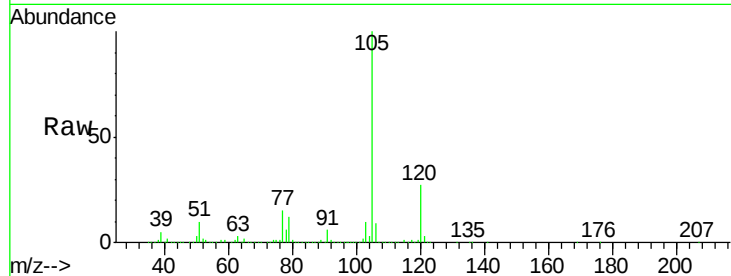
VSTDIC100

Tgt Ion:105 Resp: 3322428

Ion Ratio Lower Upper

105 100

120 26.4 13.6 40.8



#74

N-ethyl acetate

Concen: 105.32 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Tgt Ion: 43 Resp: 836147

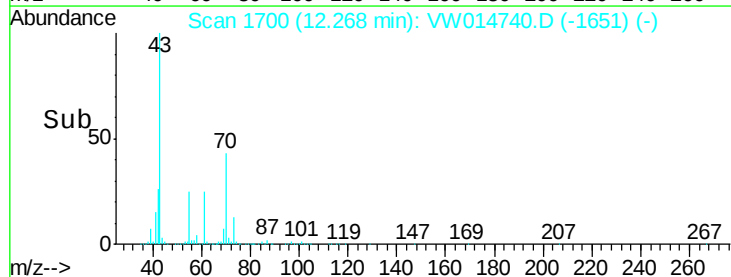
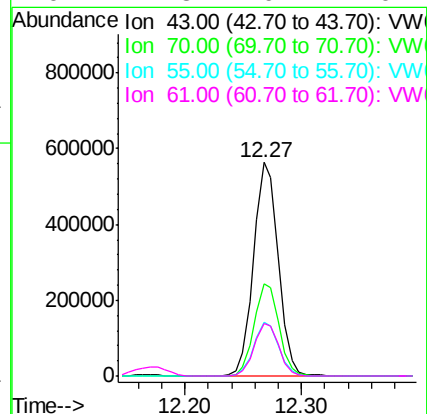
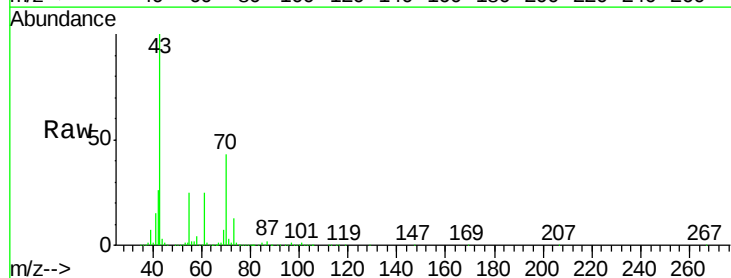
Ion Ratio Lower Upper

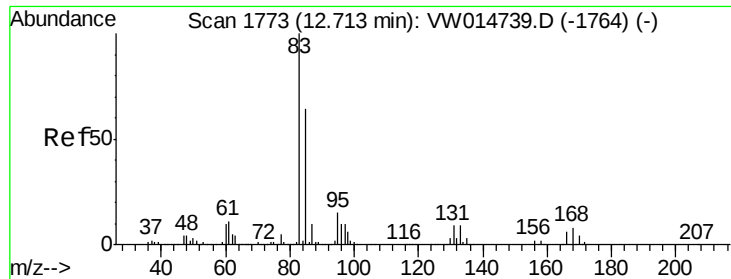
43 100

70 43.6 34.6 52.0

55 25.3 20.6 30.8

61 24.8 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 93.70 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

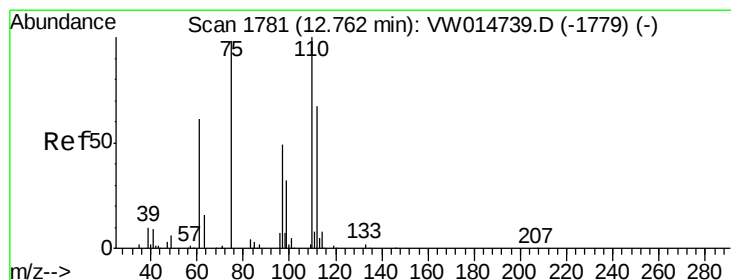
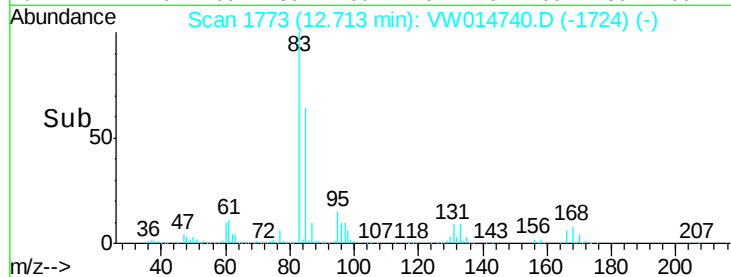
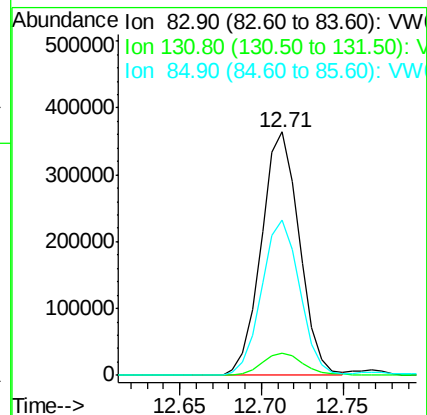
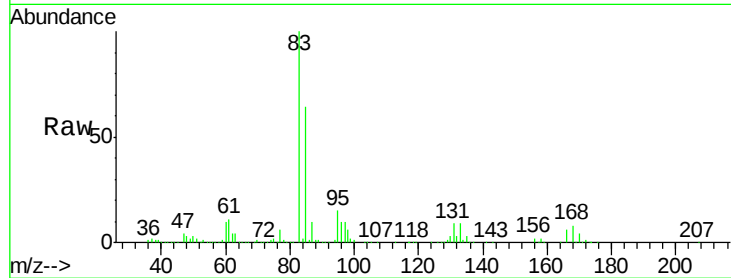
Tgt Ion: 83 Resp: 592365

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.4

85 63.9 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 172.44 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VW014740.D

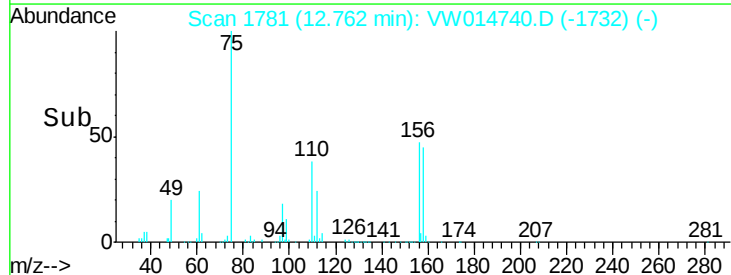
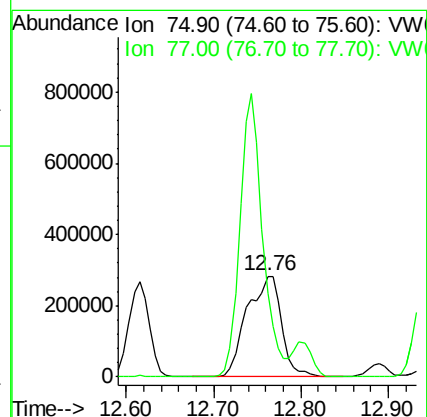
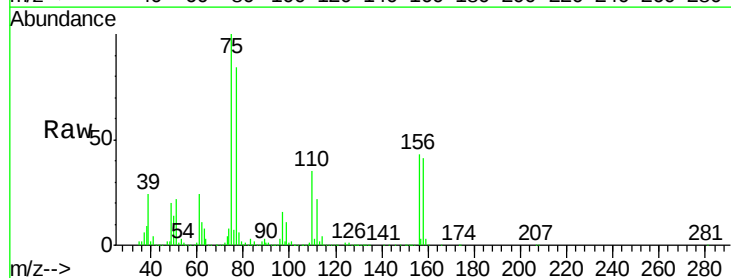
Acq: 24 Jan 2020 12:18

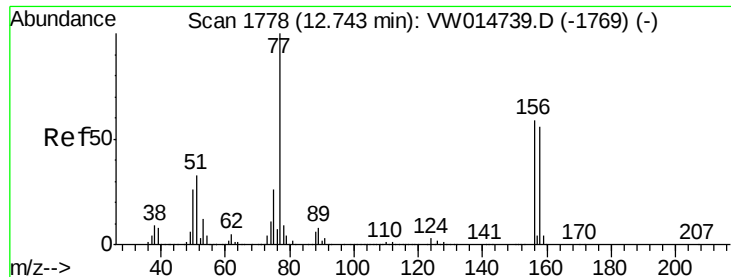
Tgt Ion: 75 Resp: 775881

Ion Ratio Lower Upper

75 100

77 187.4 167.9 503.9





#77

Bromobenzene

Concen: 90.98 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

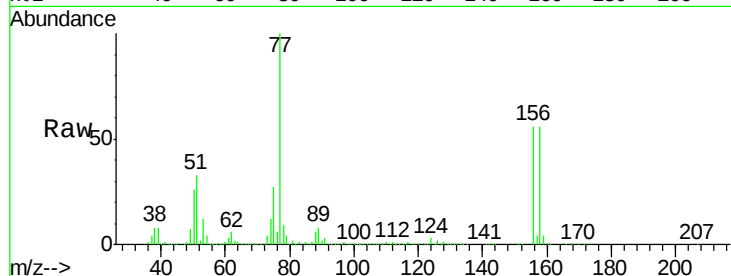
Tgt Ion:156 Resp: 750039

Ion Ratio Lower Upper

156 100

77 193.9 94.5 283.5

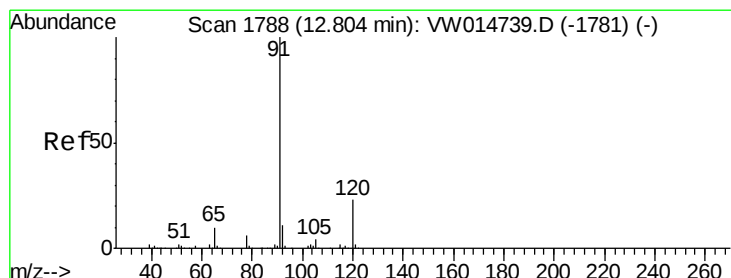
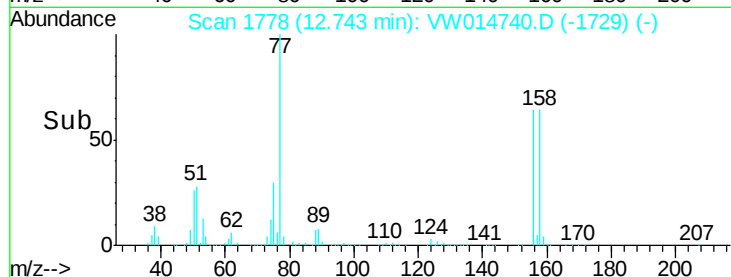
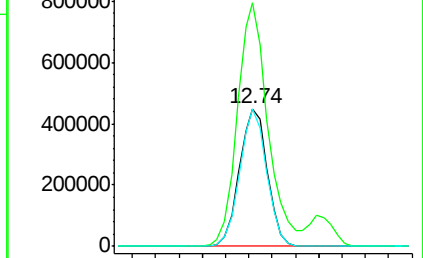
158 96.5 48.3 144.8



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: 95.32 ug/l

RT: 12.80 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VW014740.D

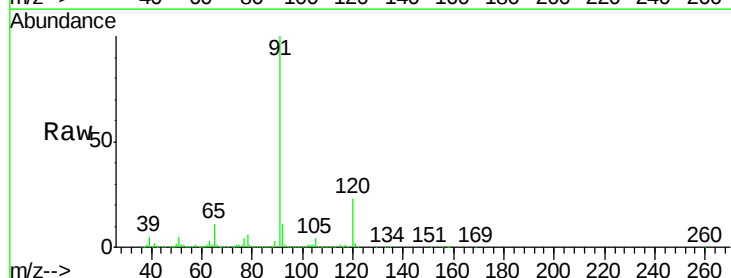
Acq: 24 Jan 2020 12:18

Tgt Ion: 91 Resp: 4006740

Ion Ratio Lower Upper

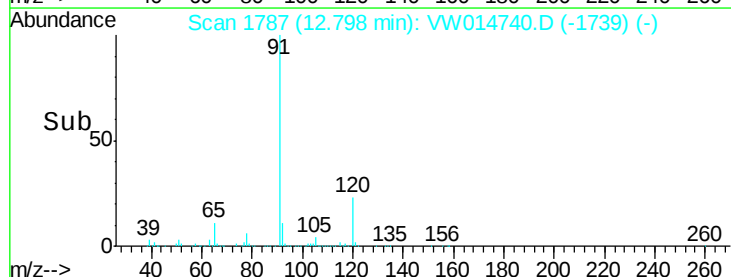
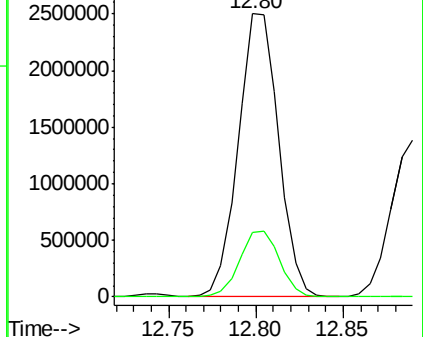
91 100

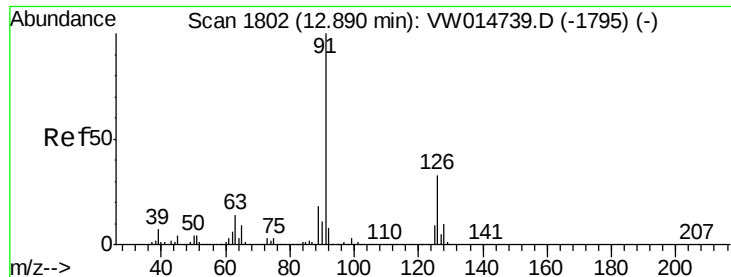
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.30 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

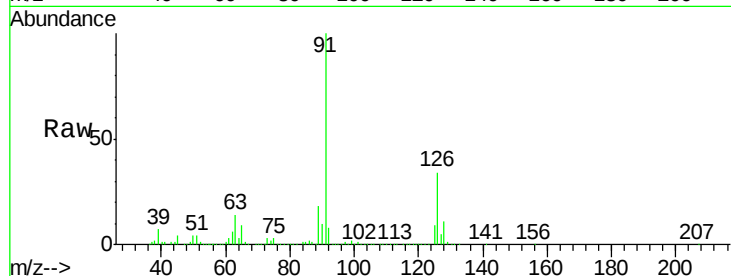
VSTDIC100

Tgt Ion: 91 Resp: 2230325

Ion Ratio Lower Upper

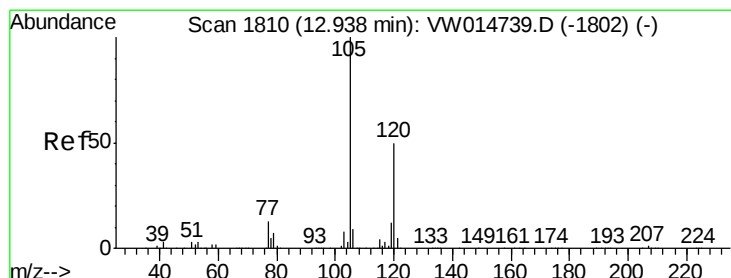
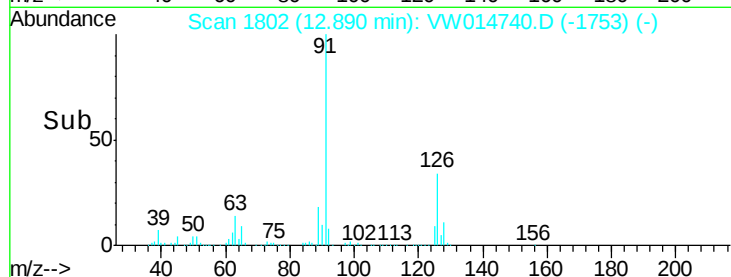
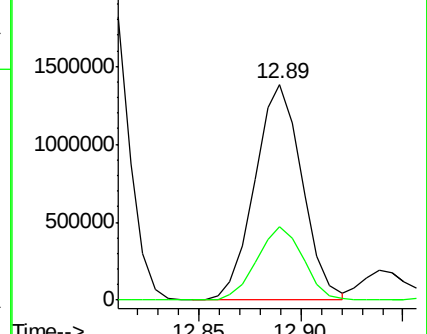
91 100

126 33.5 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 93.72 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW014740.D

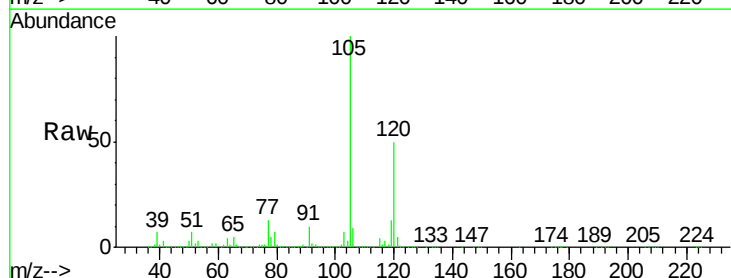
Acq: 24 Jan 2020 12:18

Tgt Ion: 105 Resp: 2805382

Ion Ratio Lower Upper

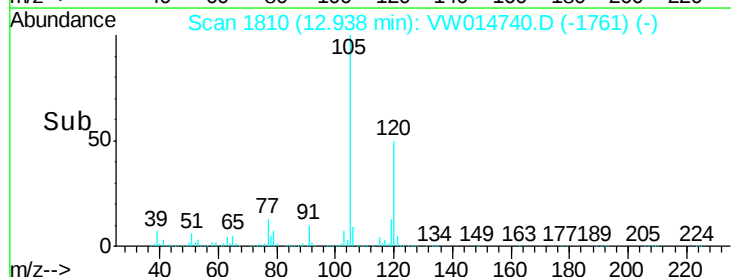
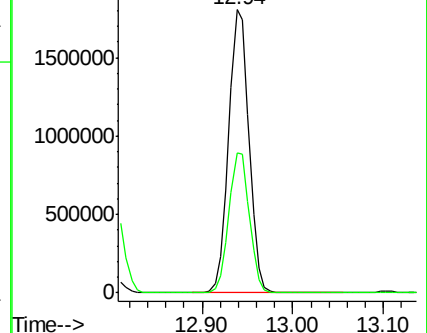
105 100

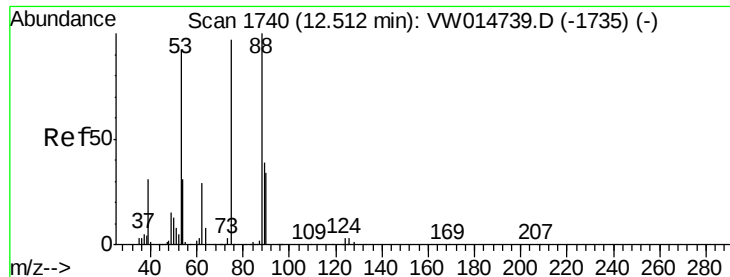
120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 100.90 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

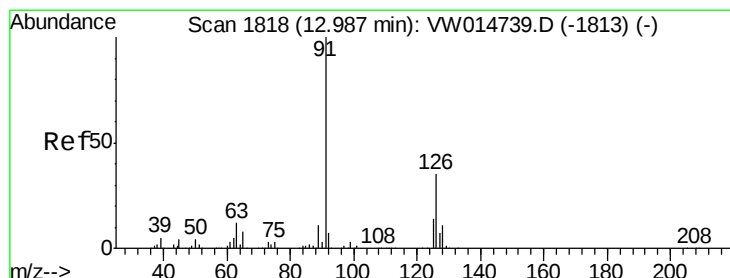
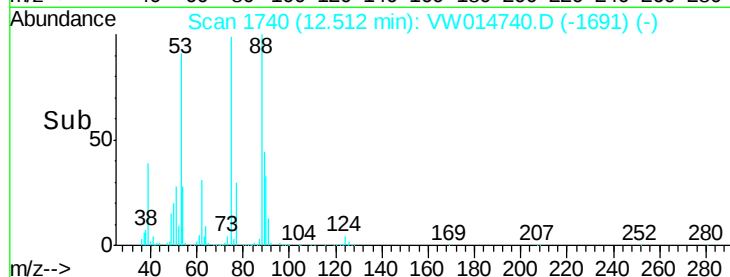
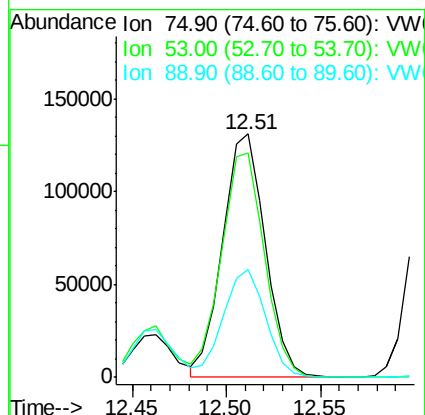
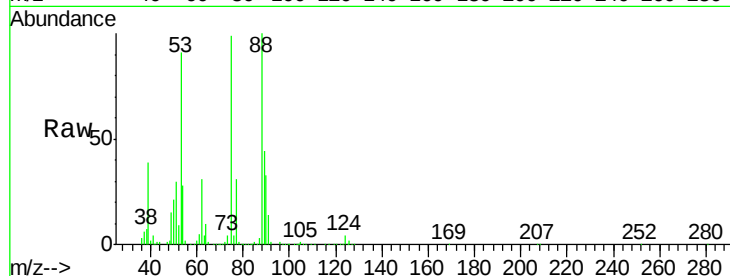
Tgt Ion: 75 Resp: 203892

Ion Ratio Lower Upper

75 100

53 93.9 77.0 115.4

89 44.3 35.2 52.8



#82

4-Chlorotoluene

Concen: 93.74 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014740.D

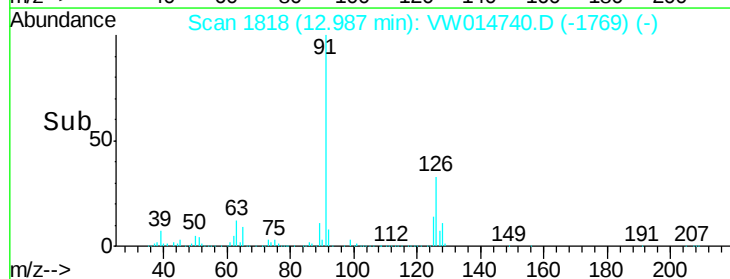
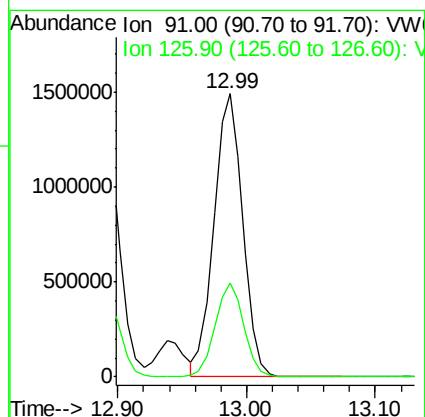
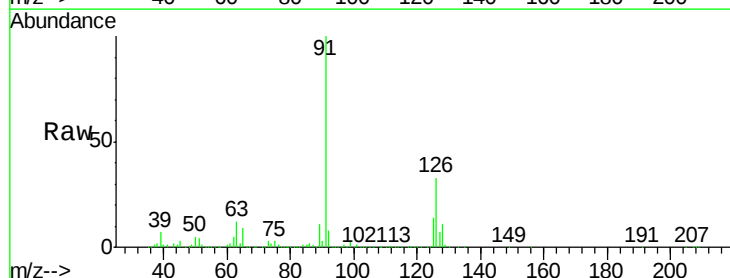
Acq: 24 Jan 2020 12:18

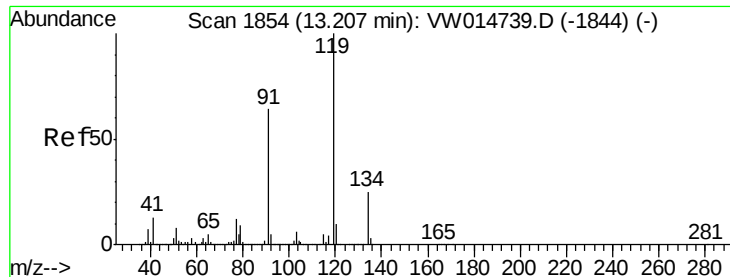
Tgt Ion: 91 Resp: 2331070

Ion Ratio Lower Upper

91 100

126 33.2 16.7 50.1





#83

tert-Butylbenzene

Concen: 94.26 ug/l

RT: 13.20 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

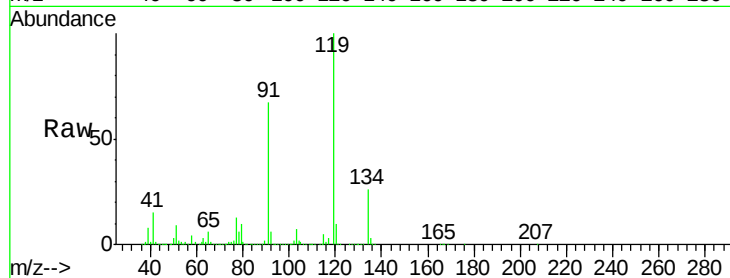
Tgt Ion:119 Resp: 2462648

Ion Ratio Lower Upper

119 100

91 63.8 32.1 96.3

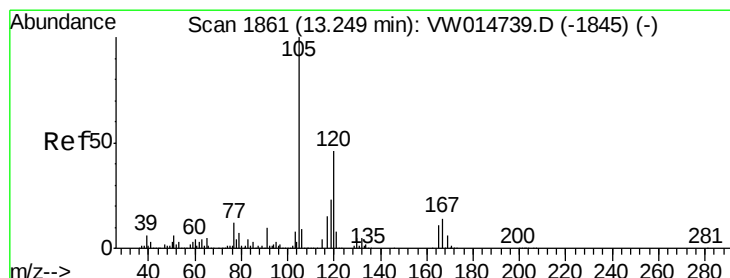
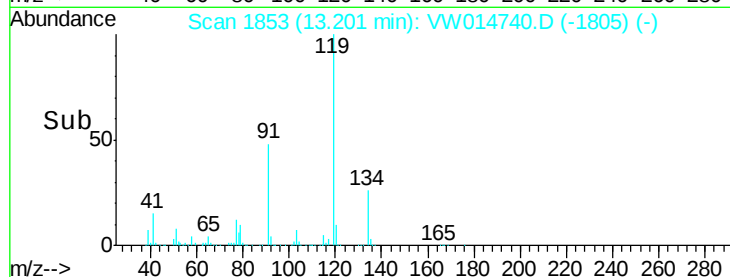
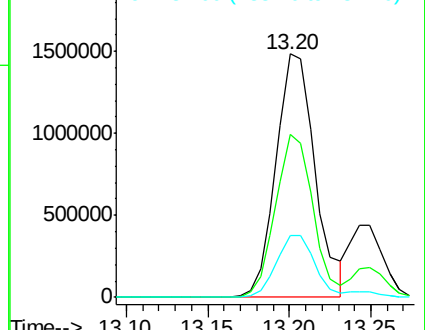
134 26.8 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 94.34 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW014740.D

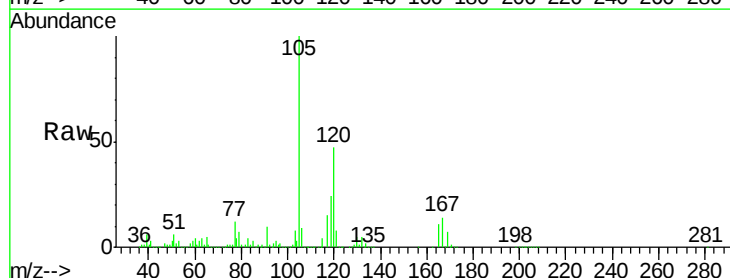
Acq: 24 Jan 2020 12:18

Tgt Ion:105 Resp: 2813065

Ion Ratio Lower Upper

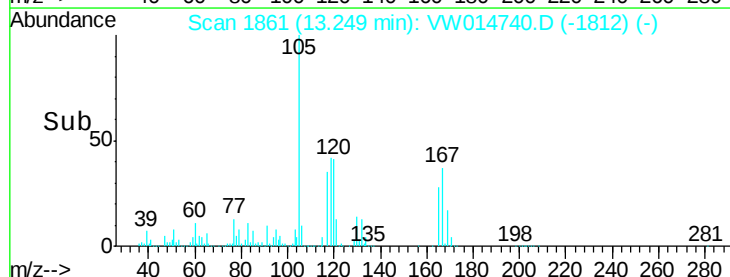
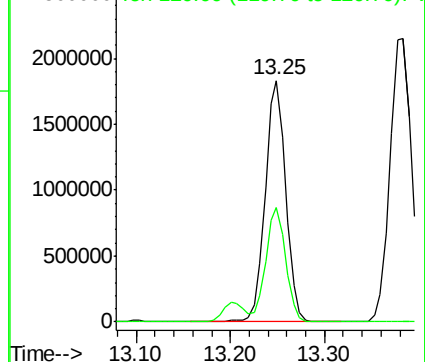
105 100

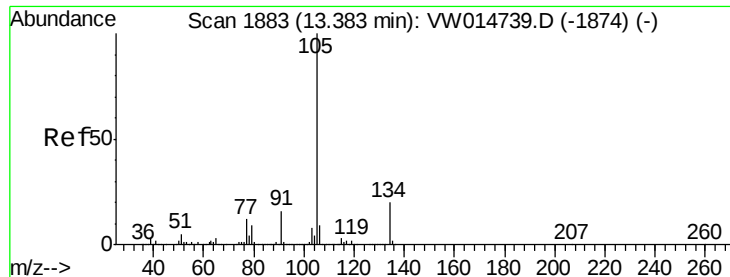
120 46.3 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

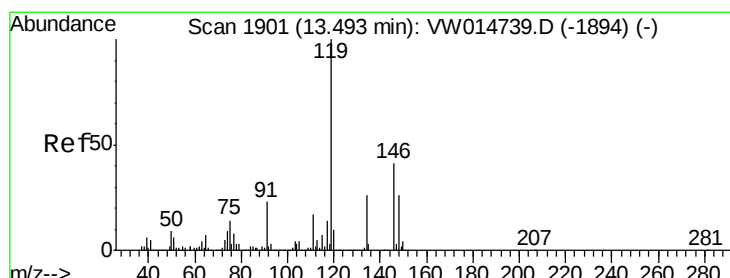
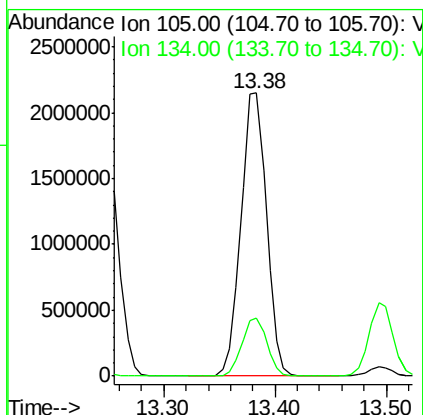
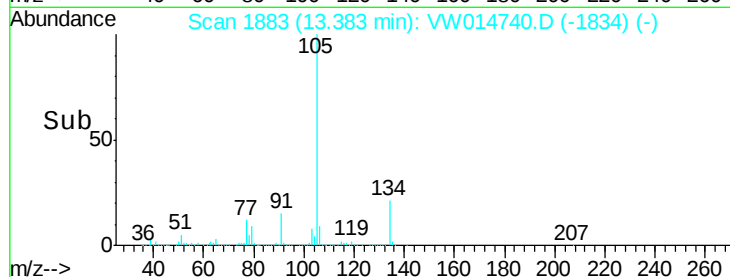
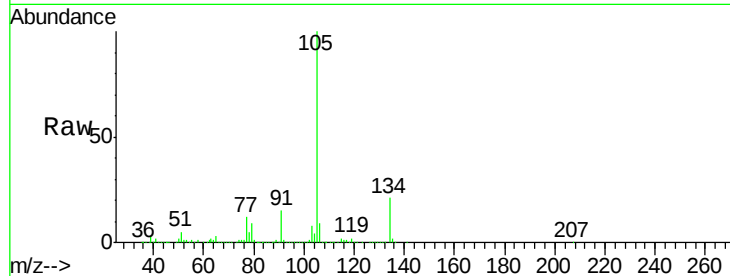




#85
 sec-Butylbenzene
 Concen: 94.52 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

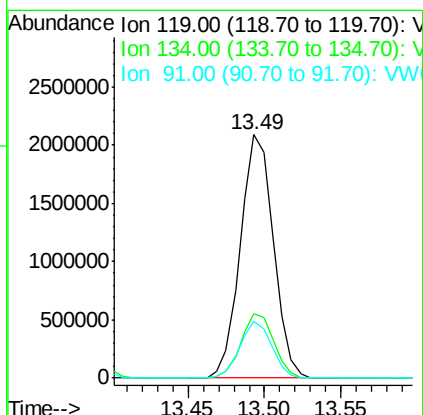
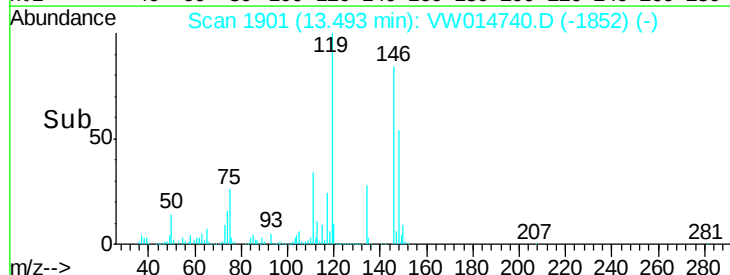
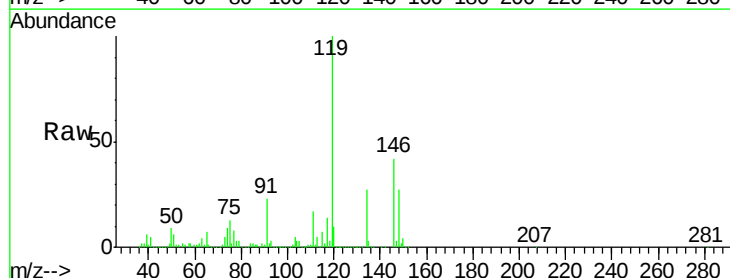
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

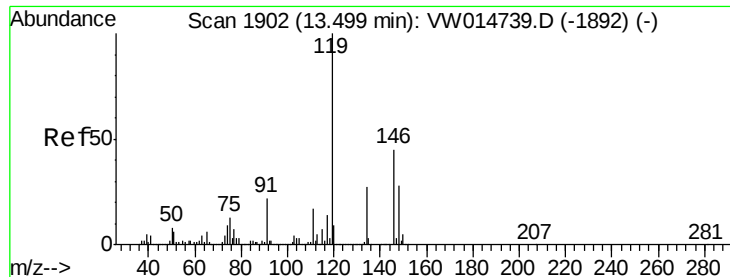
Tgt Ion:105 Resp: 3427499
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 94.68 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

Tgt Ion:119 Resp: 3132721
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.0 38.9
 91 22.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 91.38 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

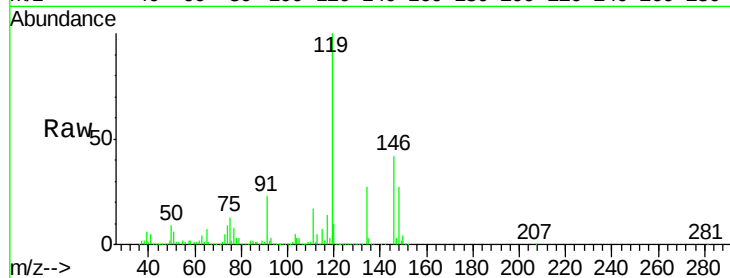
Tgt Ion:146 Resp: 1465974

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.4

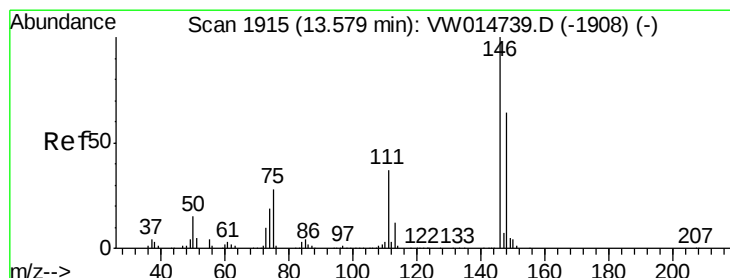
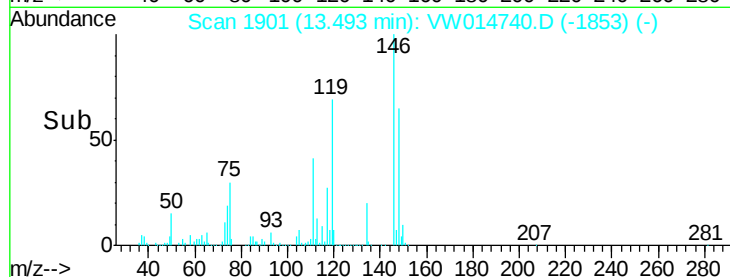
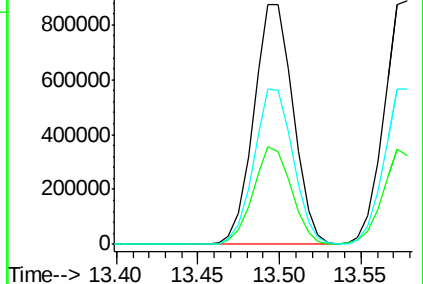
148 64.2 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 91.06 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

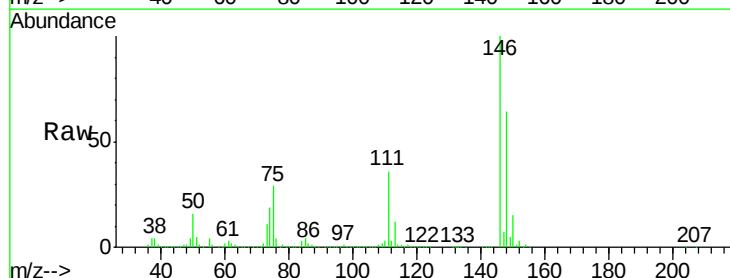
Tgt Ion:146 Resp: 1438408

Ion Ratio Lower Upper

146 100

111 38.0 19.4 58.4

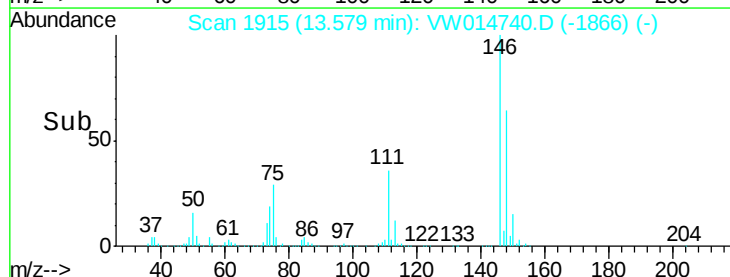
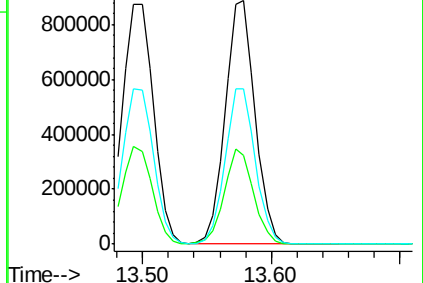
148 64.5 32.0 96.2

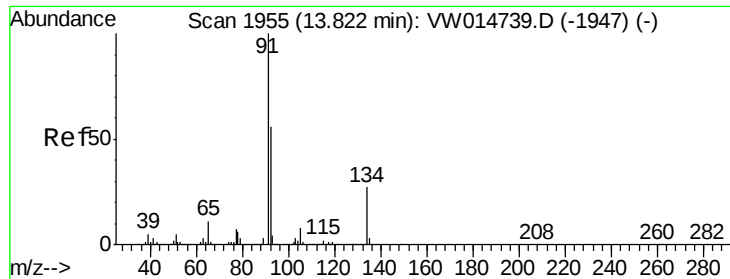


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 98.87 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

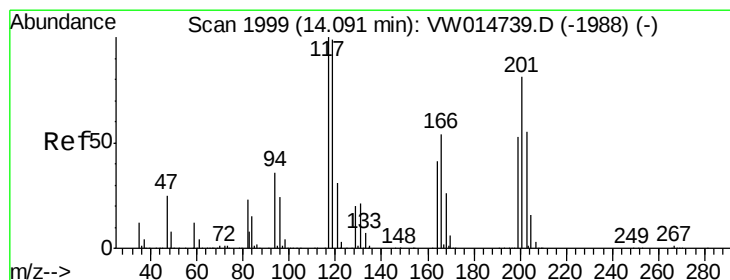
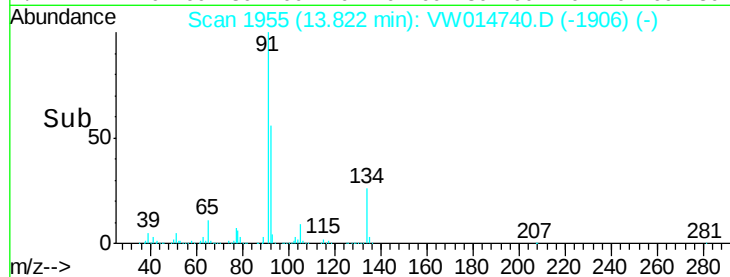
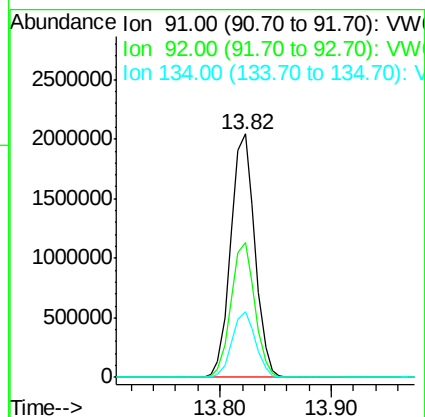
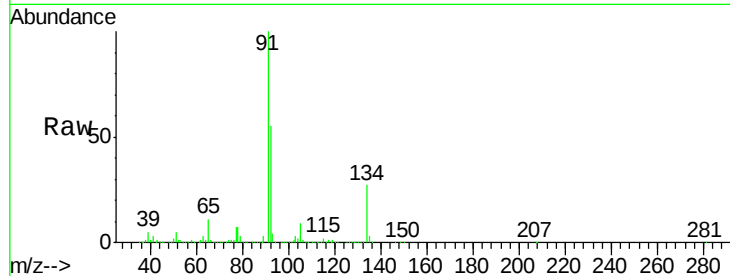
Tgt Ion: 91 Resp: 3046066

Ion Ratio Lower Upper

91 100

92 54.7 27.5 82.4

134 26.3 13.1 39.1



#90

Hexachloroethane

Concen: 95.78 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014740.D

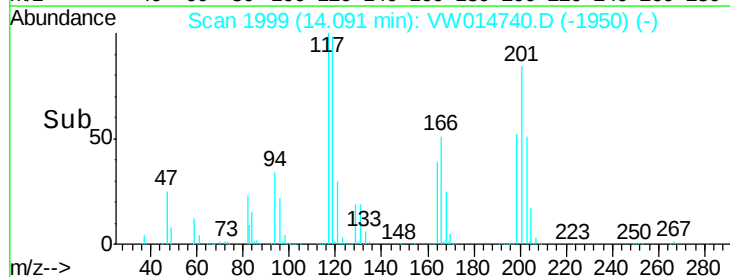
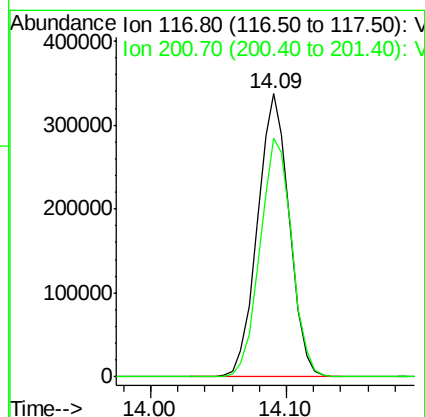
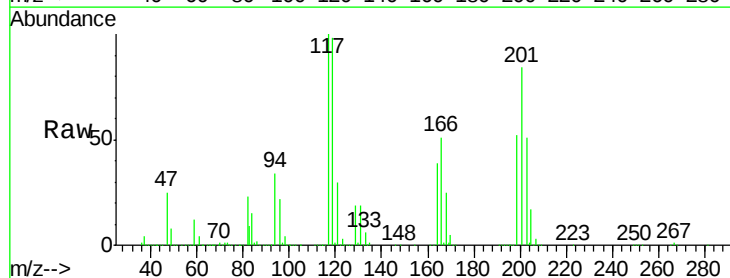
Acq: 24 Jan 2020 12:18

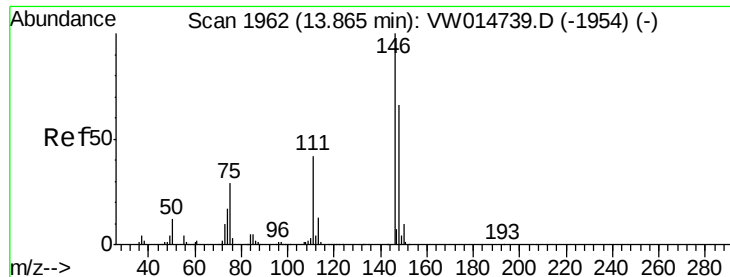
Tgt Ion: 117 Resp: 551557

Ion Ratio Lower Upper

117 100

201 84.3 41.6 124.9





#91

1,2-Dichlorobenzene

Concen: 90.86 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

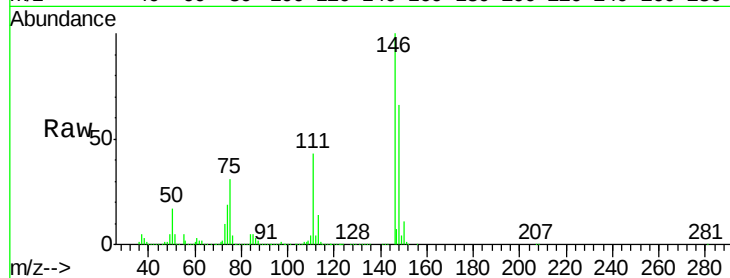
Tgt Ion:146 Resp: 1281457

Ion Ratio Lower Upper

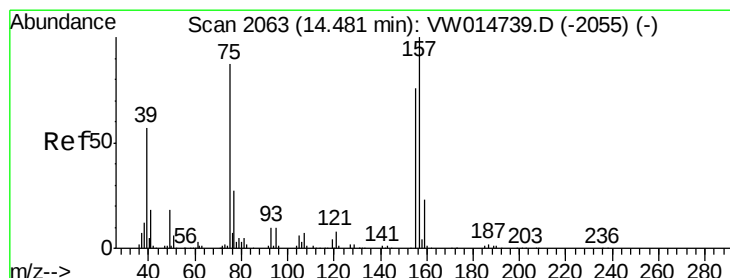
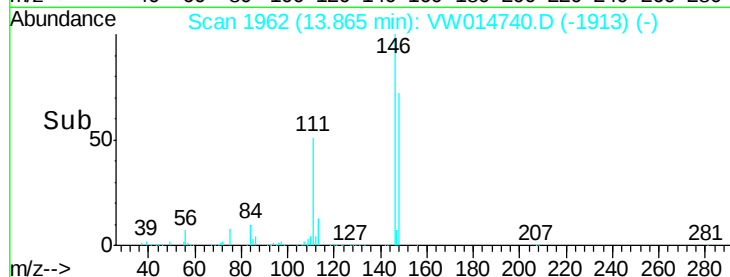
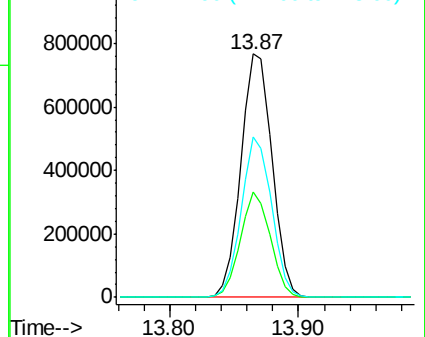
146 100

111 41.5 20.7 62.1

148 64.1 32.5 97.4



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 97.85 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014740.D

Acq: 24 Jan 2020 12:18

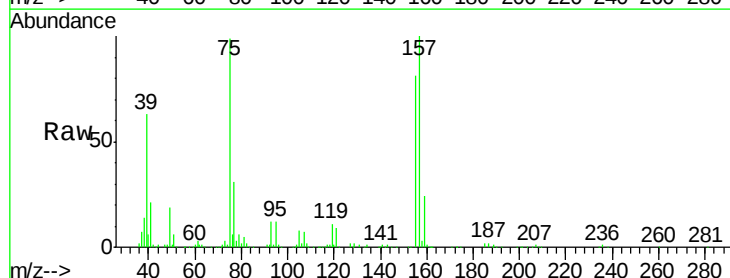
Tgt Ion: 75 Resp: 97696

Ion Ratio Lower Upper

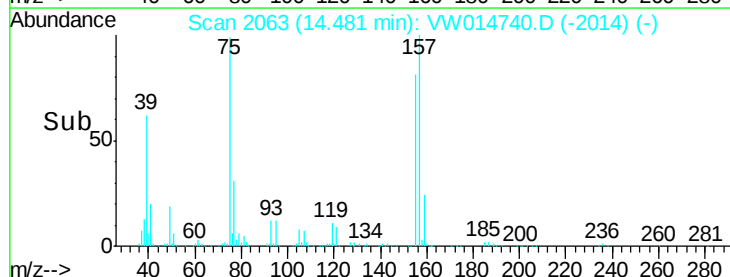
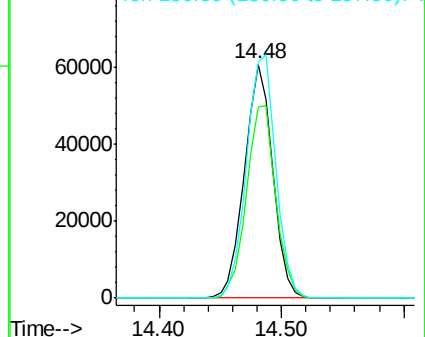
75 100

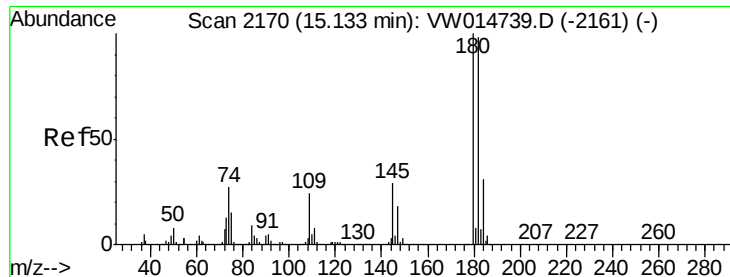
155 85.2 42.5 127.5

157 108.4 54.8 164.4



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

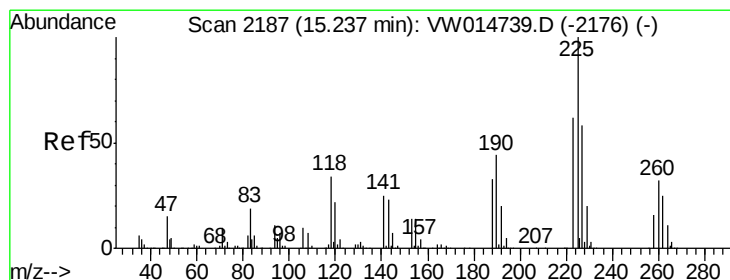
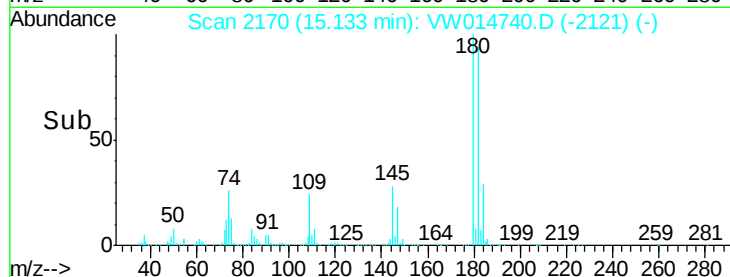
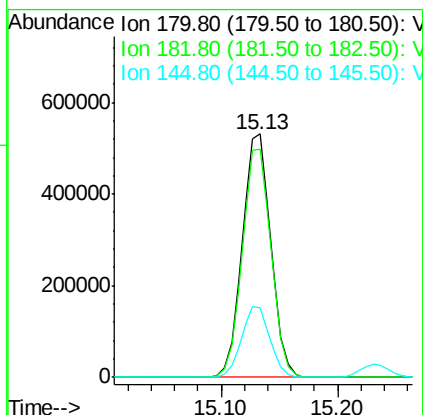
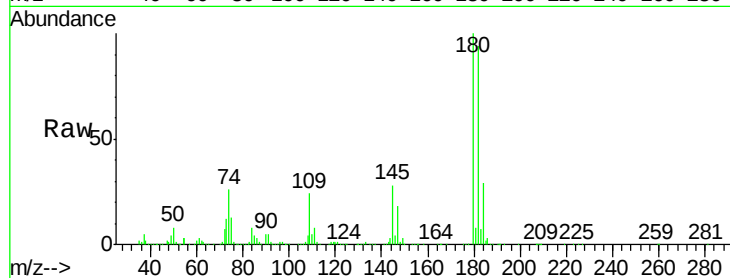




#93
 1,2,4-Trichlorobenzene
 Concen: 96.16 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

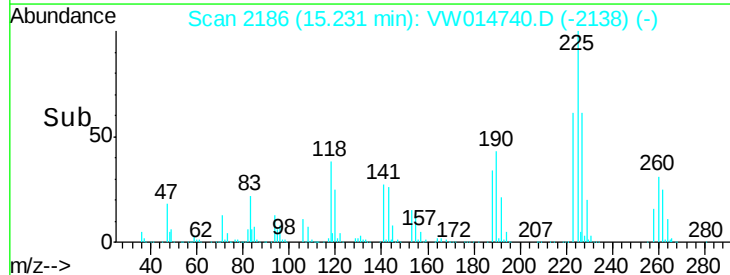
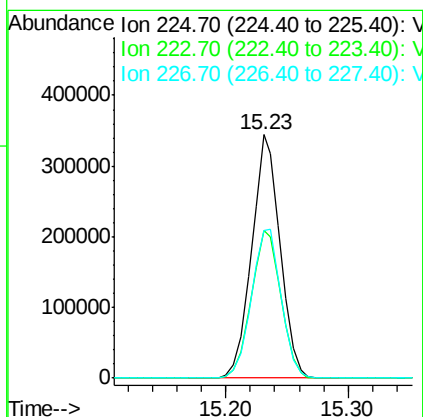
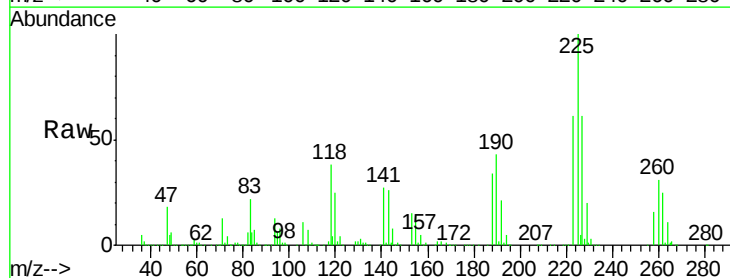
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

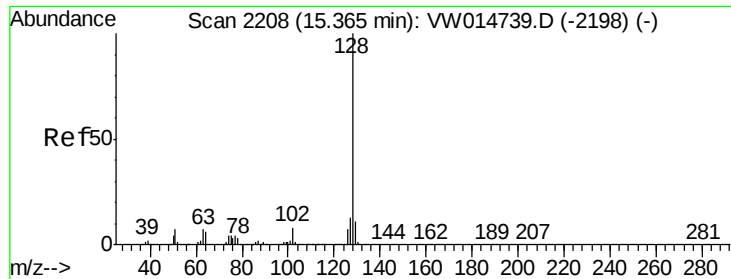
Tgt Ion:180 Resp: 907438
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.6 145.9
 145 29.0 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 86.99 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW014740.D
 Acq: 24 Jan 2020 12:18

Tgt Ion:225 Resp: 554590
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.4 94.3
 227 64.1 30.9 92.8

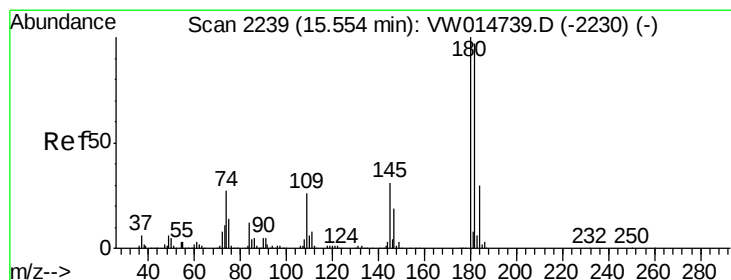
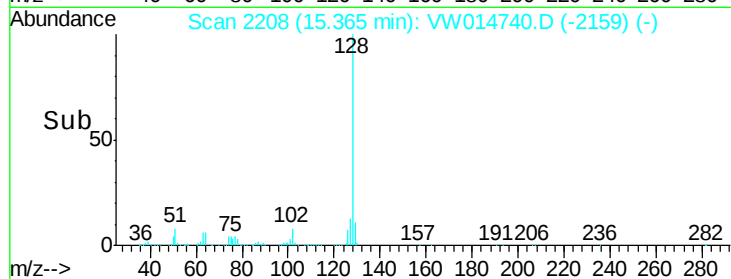
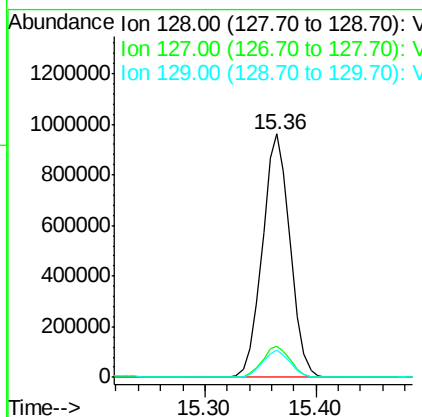
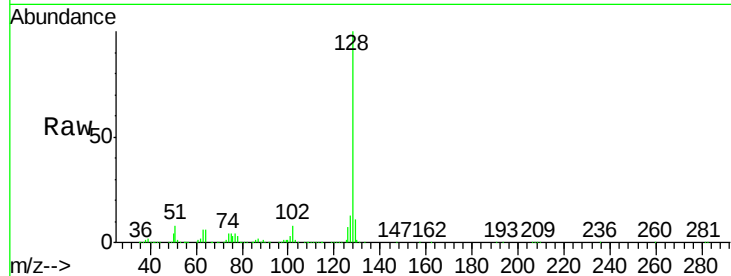




#95
Naphthalene
Concen: 104.41 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1661458
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 94.72 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014740.D
Acq: 24 Jan 2020 12:18

Tgt Ion:180 Resp: 777834
Ion Ratio Lower Upper
180 100
182 95.1 47.2 141.6
145 31.2 15.4 46.4

