

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016863.D
 Acq On : 09 Oct 2020 15:46
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Quant Time: Oct 10 05:01:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 04:56:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	403651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	589923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	532917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	259091	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	486913	148.30	ug/l	0.00
Spiked Amount			Recovery	=	296.60%	
35) Dibromofluoromethane	7.88	113	533100	147.44	ug/l	0.00
Spiked Amount			Recovery	=	294.88%	
50) Toluene-d8	10.33	98	2034728	150.08	ug/l	0.00
Spiked Amount			Recovery	=	300.16%	
62) 4-Bromofluorobenzene	12.62	95	718528	153.69	ug/l	0.00
Spiked Amount			Recovery	=	307.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	278542	126.510	ug/l	98
3) Chloromethane	2.21	50	332448	137.717	ug/l	97
4) Vinyl Chloride	2.37	62	465412	133.323	ug/l	98
5) Bromomethane	2.78	94	371743	138.659	ug/l	98
6) Chloroethane	2.92	64	310396	139.722	ug/l	97
7) Trichlorofluoromethane	3.26	101	385011	151.489	ug/l	98
8) Diethyl Ether	3.68	74	227560	143.353	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	471150	137.677	ug/l	99
10) Methyl Iodide	4.28	142	783913	143.285	ug/l	99
11) Tert butyl alcohol	5.22	59	108604	626.512	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	487229	144.240	ug/l	97
13) Acrolein	3.90	56	149640	689.816	ug/l	99
14) Allyl chloride	4.67	41	595922	147.380	ug/l	99
15) Acrylonitrile	5.37	53	364300	689.445	ug/l	99
16) Acetone	4.14	43	353962	665.633	ug/l	97
17) Carbon Disulfide	4.39	76	1285577	143.046	ug/l	99
18) Methyl Acetate	4.68	43	164905	135.205	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	494099	135.716	ug/l	100
20) Methylene Chloride	4.92	84	486164	115.373	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	536323	141.431	ug/l	96
22) Diisopropyl ether	6.31	45	1046628	142.422	ug/l	99
23) Vinyl Acetate	6.26	43	3469833	736.869	ug/l	98
24) 1,1-Dichloroethane	6.22	63	840083	144.165	ug/l	99
25) 2-Butanone	7.18	43	490477	691.855	ug/l	99
26) 2,2-Dichloropropane	7.17	77	485113	136.069	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	592623	145.912	ug/l	98
28) Bromochloromethane	7.51	49	335237	143.742	ug/l	97
29) Tetrahydrofuran	7.54	42	269193	677.913	ug/l	99
30) Chloroform	7.68	83	908857	143.468	ug/l	99
31) Cyclohexane	7.96	56	646138	129.997	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	764250	143.026	ug/l	98
36) 1,1-Dichloropropene	8.09	75	711754	139.532	ug/l	99
37) Ethyl Acetate	7.26	43	222514	133.545	ug/l	99
38) Carbon Tetrachloride	8.07	117	762881	143.872	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	840738	144.564	ug/l	97
40) Benzene	8.32	78	1982346	139.506	ug/l	98
41) Methacrylonitrile	7.49	41	146116	204.375	ug/l	91
42) 1,2-Dichloroethane	8.40	62	542723	139.629	ug/l	100
43) Isopropyl Acetate	8.43	43	458049	143.501	ug/l	100
44) Trichloroethene	9.10	130	623995	141.877	ug/l	100
45) 1,2-Dichloropropane	9.37	63	455769	140.650	ug/l	99
46) Dibromomethane	9.46	93	258996	139.737	ug/l	99
47) Bromodichloromethane	9.65	83	681456	147.870	ug/l	99
48) Methyl methacrylate	9.44	41	220185	149.693	ug/l	98
49) 1,4-Dioxane	9.48	88	59283	2780.703	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	1096357	678.947	ug/l	100
52) Toluene	10.39	92	1331563	141.758	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	654843	156.084	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	780166	152.243	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	368385	139.634	ug/l	98
56) Ethyl methacrylate	10.65	69	432243	150.607	ug/l	100
57) 1,3-Dichloropropane	10.93	76	601334	137.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	1177077	740.115	ug/l	100
59) 2-Hexanone	10.97	43	752128	703.969	ug/l	99
60) Dibromochloromethane	11.13	129	477936	147.699	ug/l	99
61) 1,2-Dibromoethane	11.24	107	363231	139.026	ug/l	98
64) Tetrachloroethene	10.87	164	509329	134.146	ug/l	97
65) Chlorobenzene	11.66	112	1469424	140.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	545220	147.492	ug/l	99
67) Ethyl Benzene	11.73	91	2581459	141.724	ug/l	100
68) m/p-Xylenes	11.84	106	2027839	286.249	ug/l	98
69) o-Xylene	12.17	106	948563	145.912	ug/l	99
70) Styrene	12.18	104	1587193	146.695	ug/l	99
71) Bromoform	12.35	173	278137	149.872	ug/l #	100
73) Isopropylbenzene	12.47	105	2614419	151.817	ug/l	99
74) N-amyl acetate	12.27	43	424785	153.567	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	380174	140.702	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	490557	293.490	ug/l #	1
77) Bromobenzene	12.75	156	632560	148.596	ug/l	99
78) n-propylbenzene	12.80	91	2955839	148.833	ug/l	100
79) 2-Chlorotoluene	12.90	91	1701583	150.194	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2153324	149.205	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	121304	168.656	ug/l	97
82) 4-Chlorotoluene	12.99	91	1730139	147.933	ug/l	100
83) tert-Butylbenzene	13.21	119	1906196	152.076	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2141643	148.927	ug/l	99
85) sec-Butylbenzene	13.38	105	2590488	148.475	ug/l	100
86) p-Isopropyltoluene	13.50	119	2465870	151.779	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1220110	148.216	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	1158957	142.867	ug/l	99
89) n-Butylbenzene	13.82	91	2205246	150.672	ug/l	98
90) Hexachloroethane	14.10	117	402247	160.458	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1046391	147.325	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	61727	149.177	ug/l	94

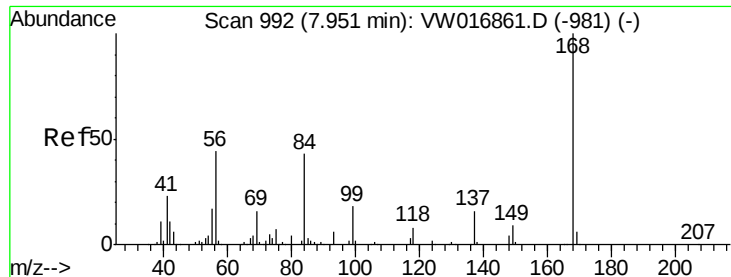
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	756553	154.377	ug/l	99
94) Hexachlorobutadiene	15.23	225	484168	152.405	ug/l	96
95) Naphthalene	15.36	128	1320676	165.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	666708	156.380	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

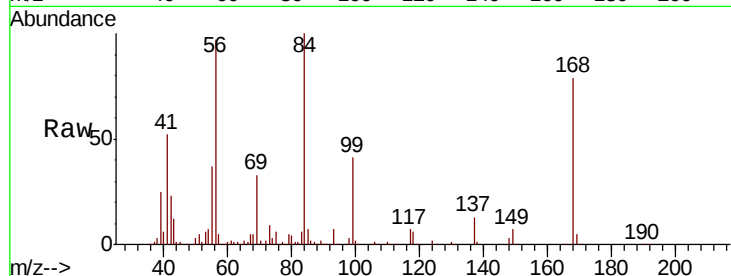
VSTDIC150

Tot Ion:168 Resp: 403651

Ion Ratio Lower Upper

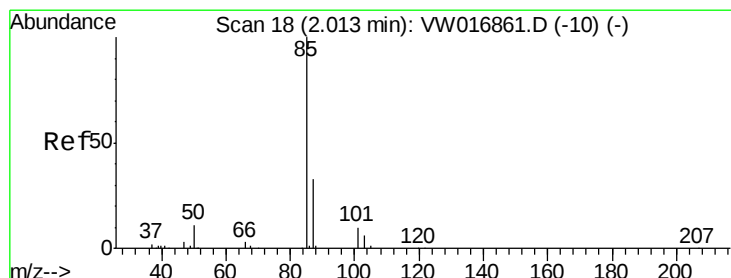
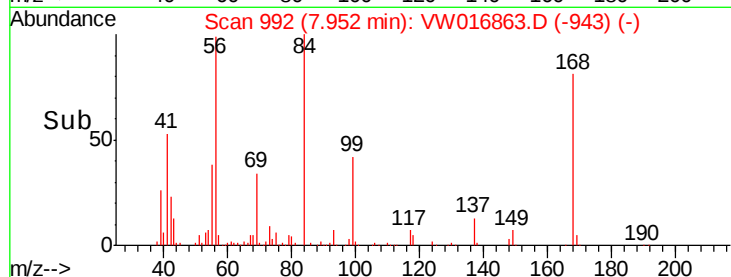
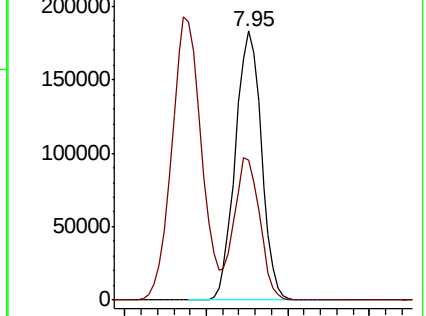
168 100

99 51.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 126.510 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016863.D

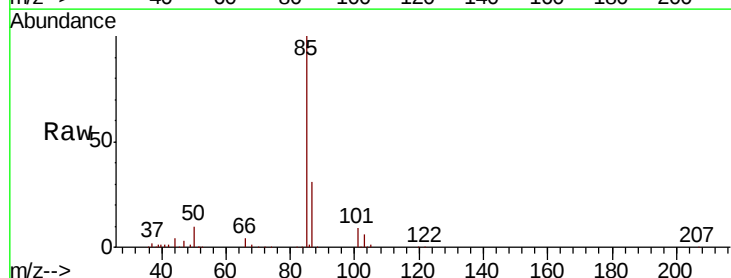
Acq: 09 Oct 2020 15:46

Tgt Ion: 85 Resp: 278542

Ion Ratio Lower Upper

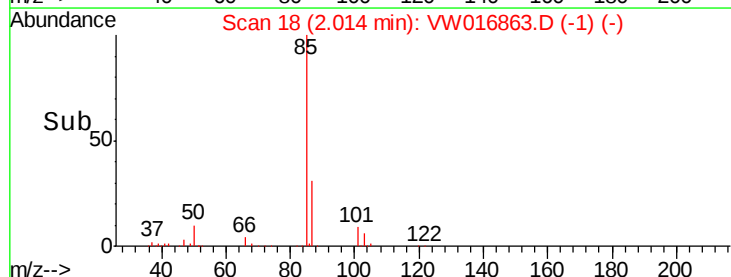
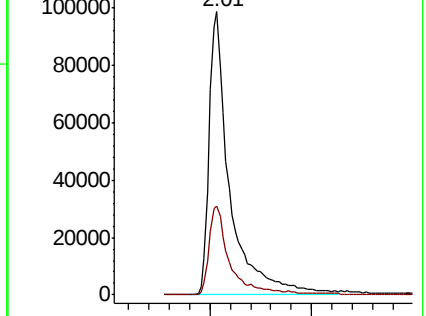
85 100

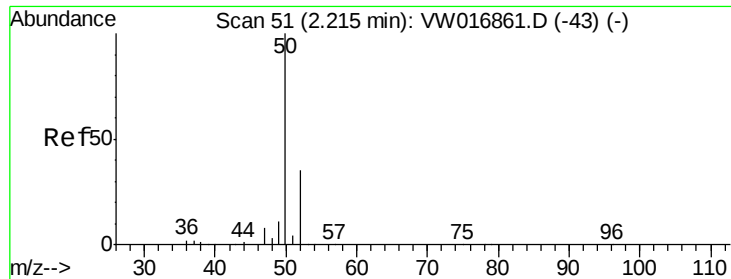
87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 137.717 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

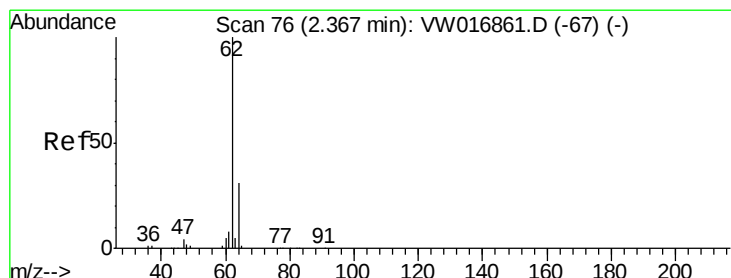
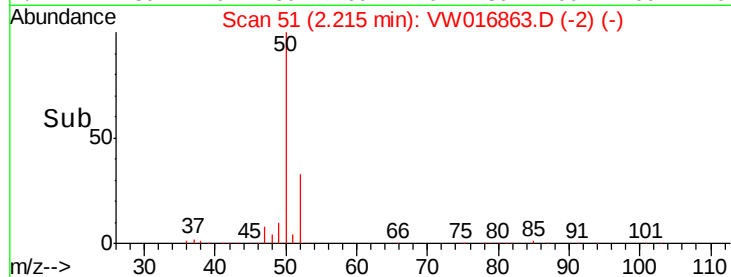
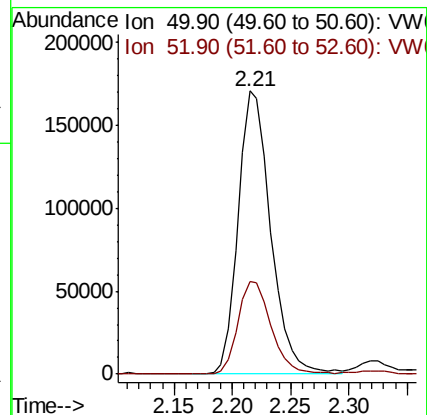
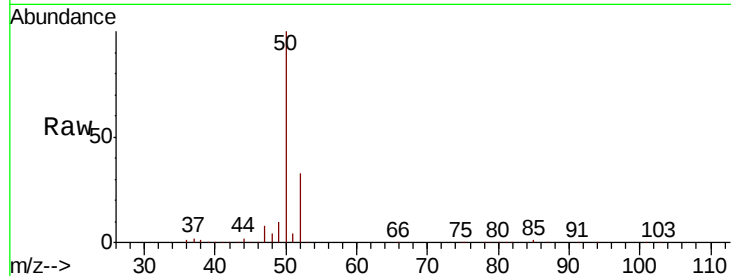
VSTDIC150

Tot Ion: 50 Resp: 332448

Ion Ratio Lower Upper

50 100

52 32.9 27.6 41.4



#4

Vinyl Chloride

Concen: 133.323 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016863.D

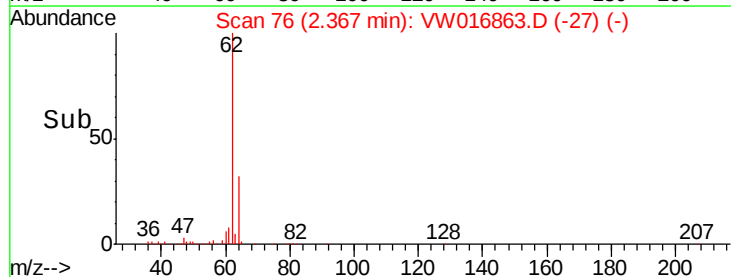
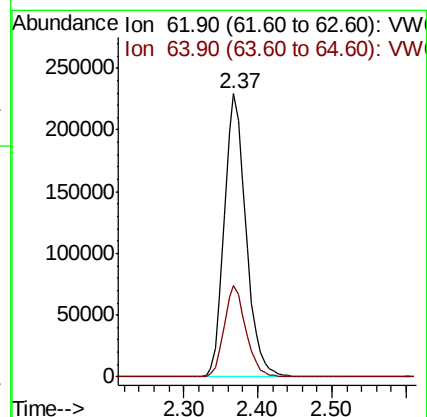
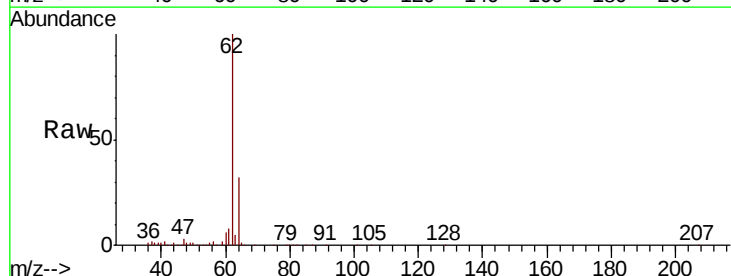
Acq: 09 Oct 2020 15:46

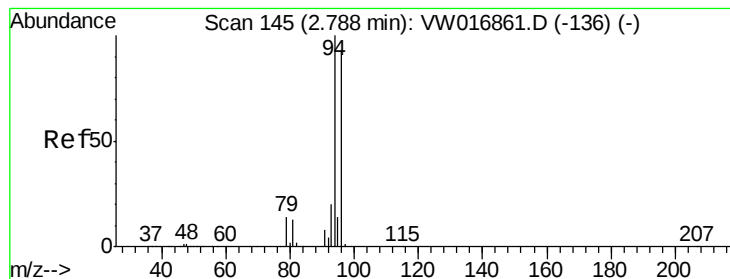
Tgt Ion: 62 Resp: 465412

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.4





#5

Bromomethane

Concen: 138.659 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

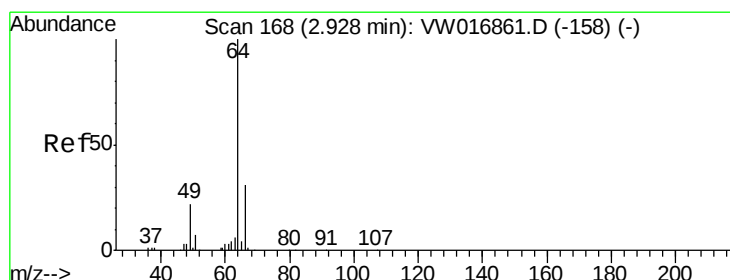
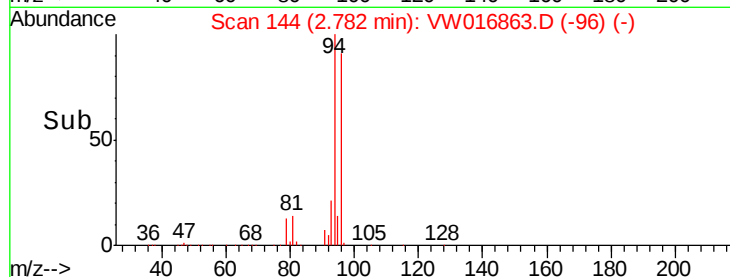
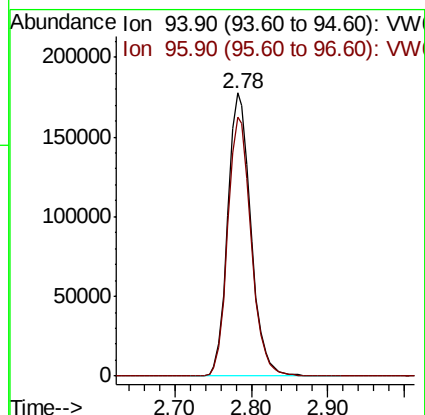
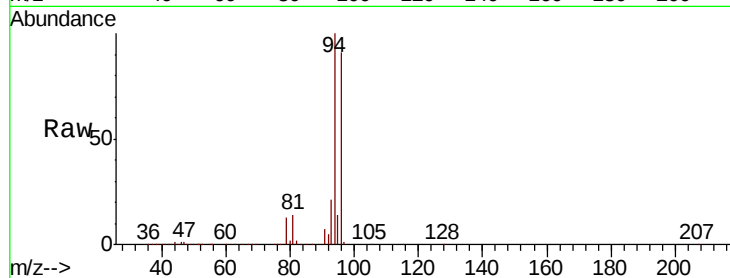
VSTDIC150

Tot Ion: 94 Resp: 371743

Ion Ratio Lower Upper

94 100

96 91.5 74.7 112.1



#6

Chloroethane

Concen: 139.722 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016863.D

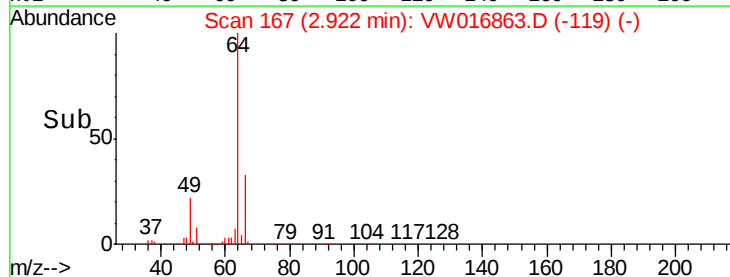
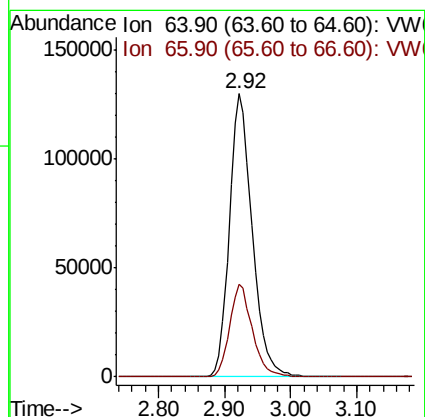
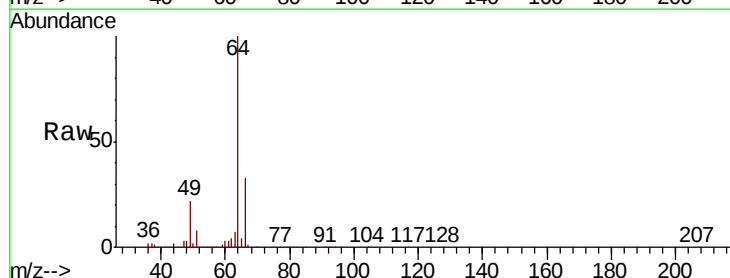
Acq: 09 Oct 2020 15:46

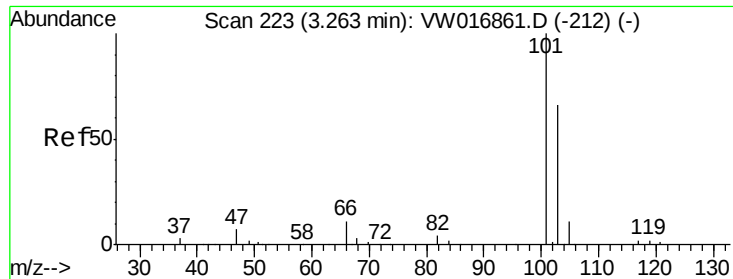
Tgt Ion: 64 Resp: 310396

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.6



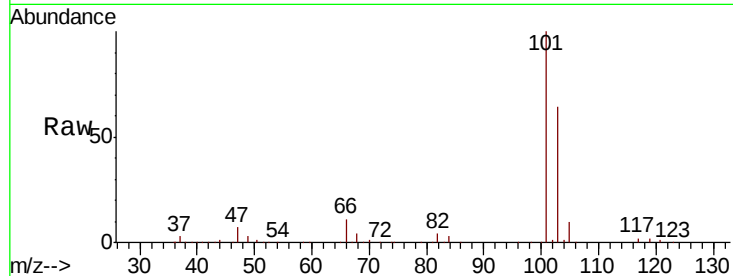


#7

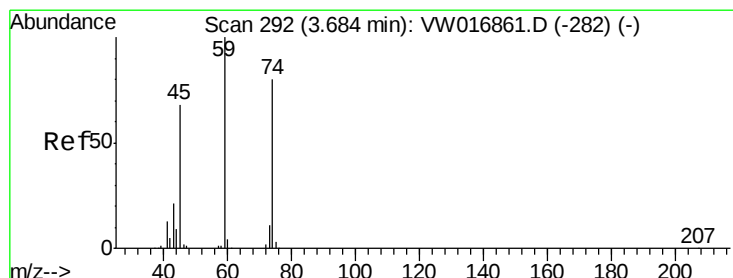
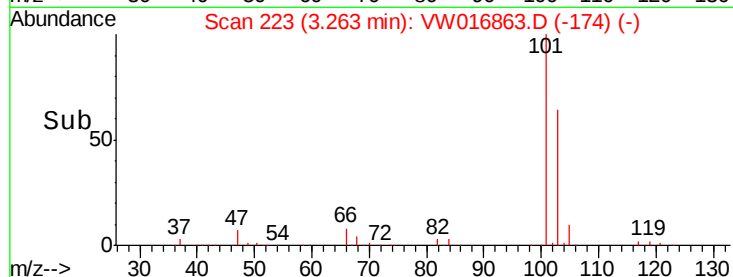
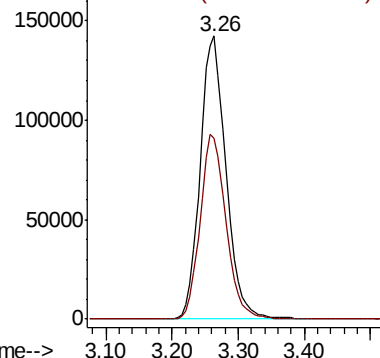
Trichlorofluoromethane
Concen: 151.489 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 385011
Ion Ratio Lower Upper
101 100
103 63.9 52.6 79.0



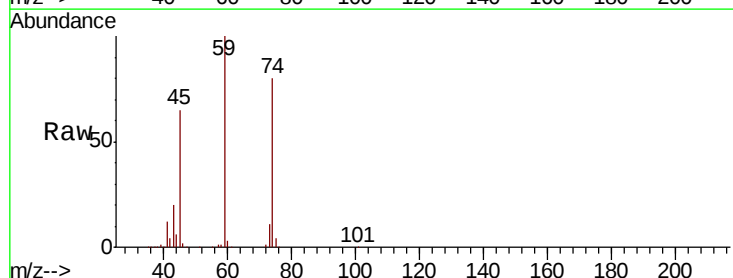
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



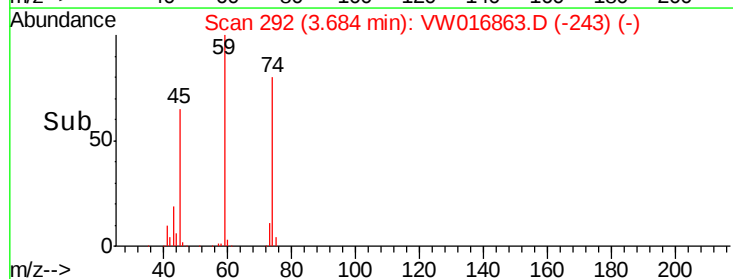
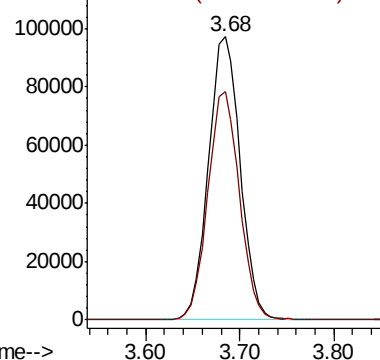
#8

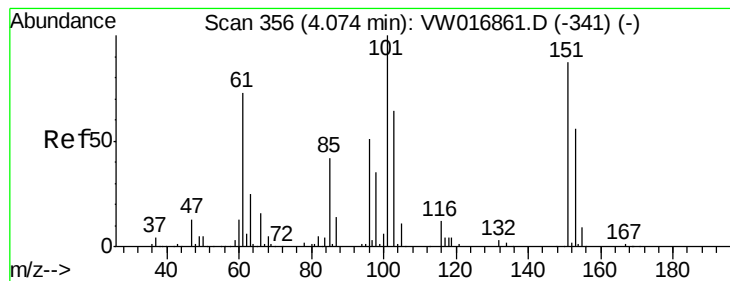
Diethyl Ether
Concen: 143.353 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion: 74 Resp: 227560
Ion Ratio Lower Upper
74 100
45 80.5 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.677 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

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MSVOA_W

ClientSampleId :

VSTDIC150

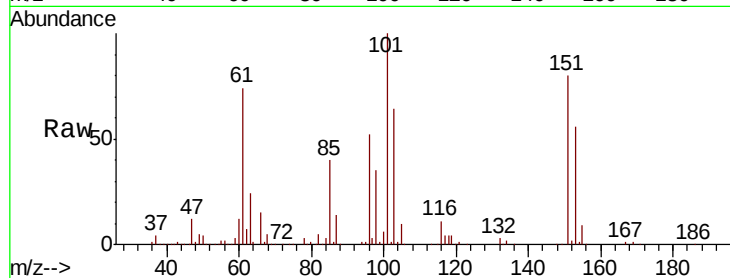
Tot Ion:101 Resp: 471150

Ion Ratio Lower Upper

101 100

85 41.2 33.2 49.8

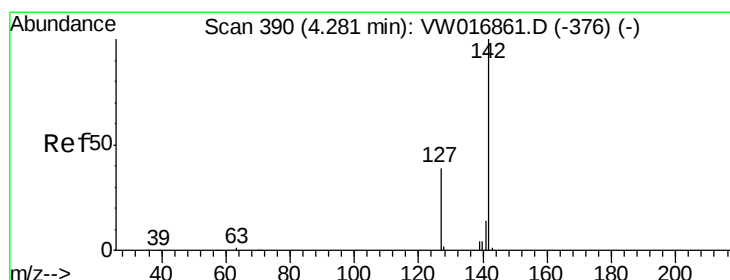
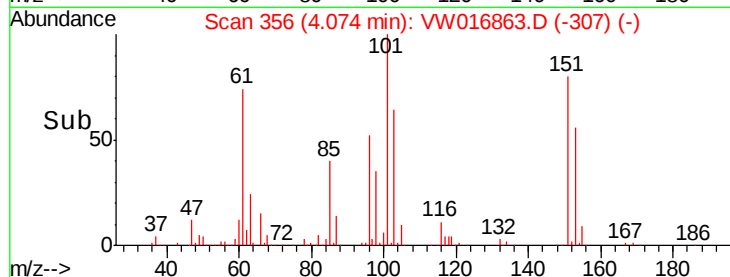
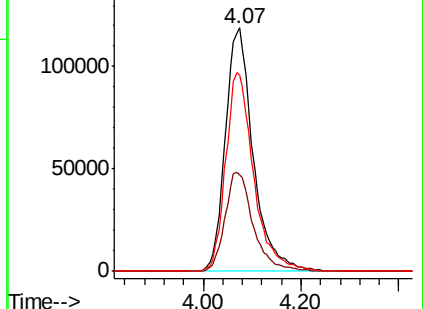
151 82.0 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 143.285 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

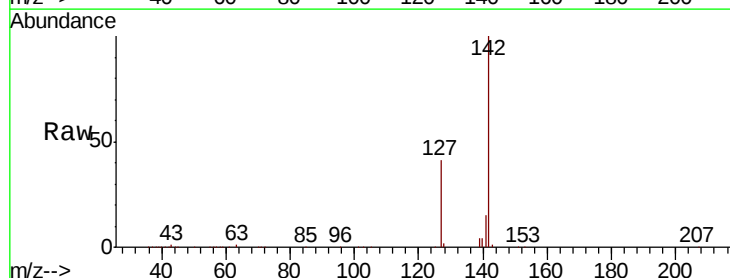
Tgt Ion:142 Resp: 783913

Ion Ratio Lower Upper

142 100

127 41.6 32.4 48.6

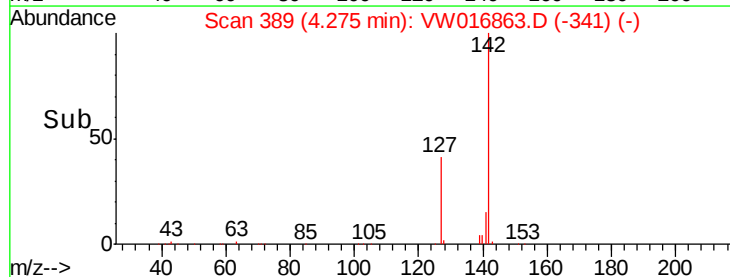
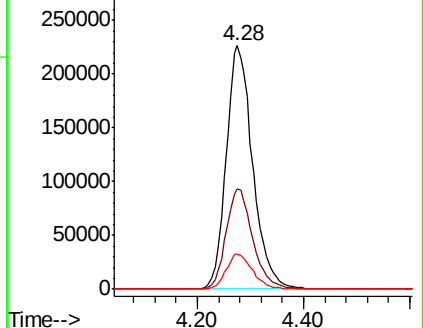
141 14.6 11.4 17.0

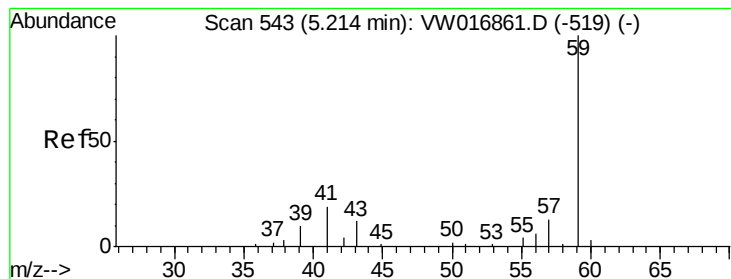


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



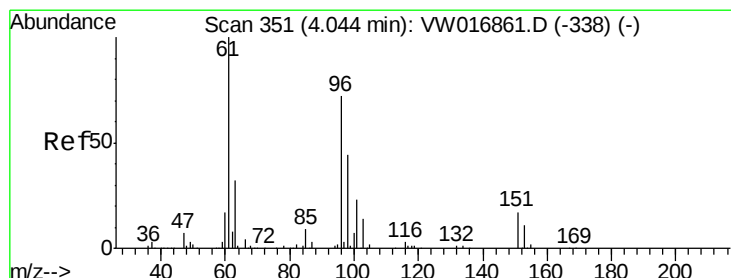
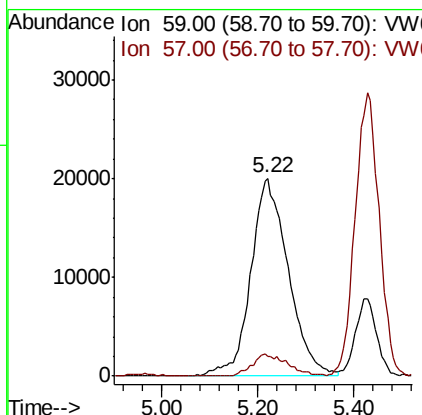
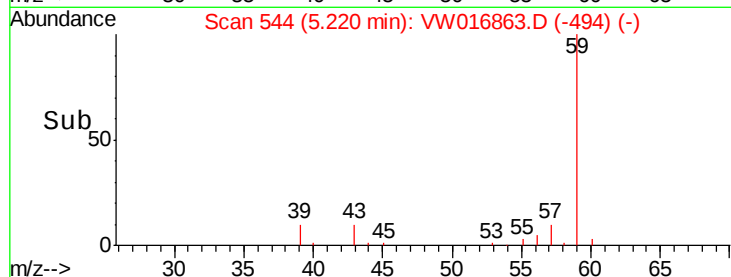
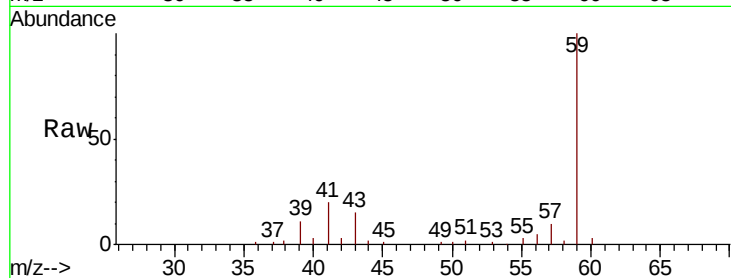


#11

Tert butyl alcohol
 Concen: 626.512 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.01 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC150

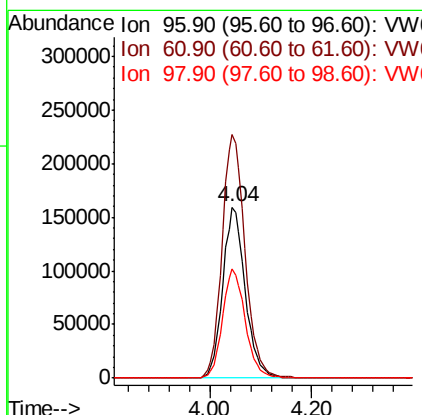
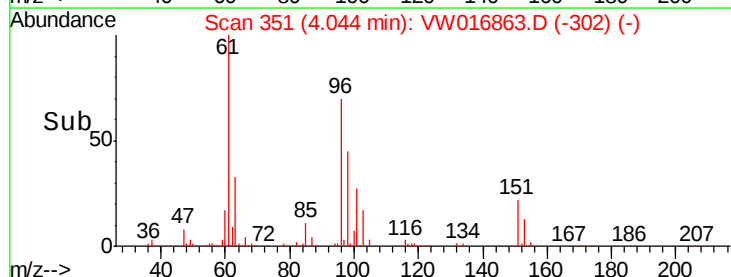
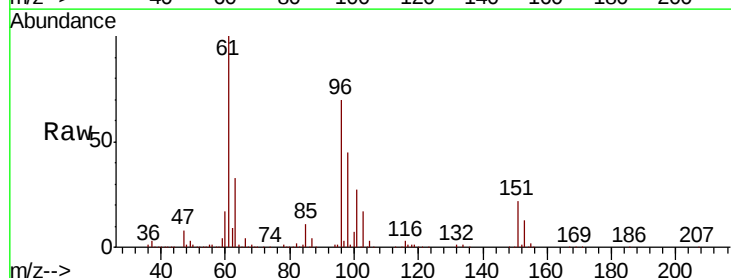
Tot Ion: 59 Resp: 108604
 Ion Ratio Lower Upper
 59 100
 57 10.5 4.7 7.1#

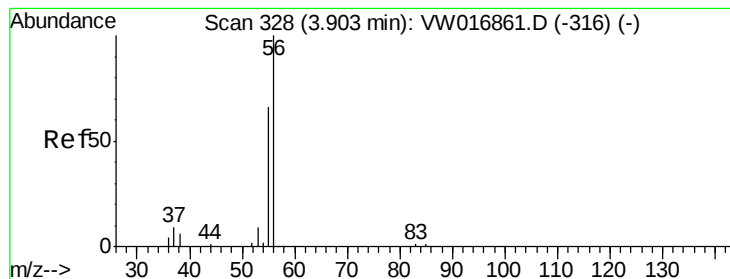


#12

1,1-Dichloroethene
 Concen: 144.240 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion: 96 Resp: 487229
 Ion Ratio Lower Upper
 96 100
 61 142.6 111.7 167.5
 98 63.8 49.0 73.4





#13

Acrolein

Concen: 689.816 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

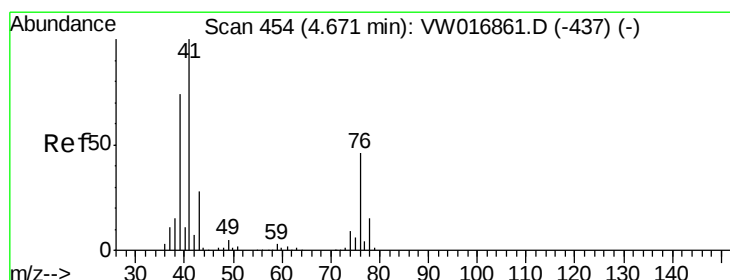
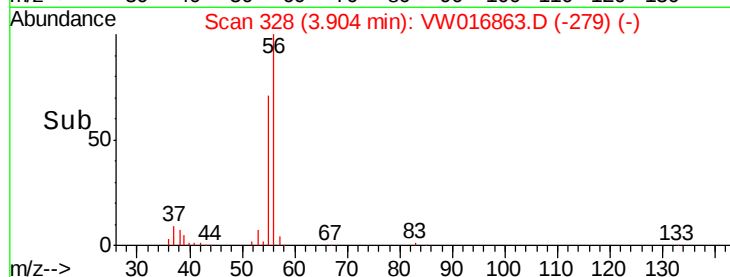
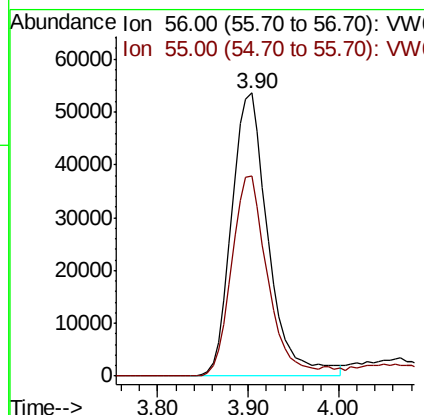
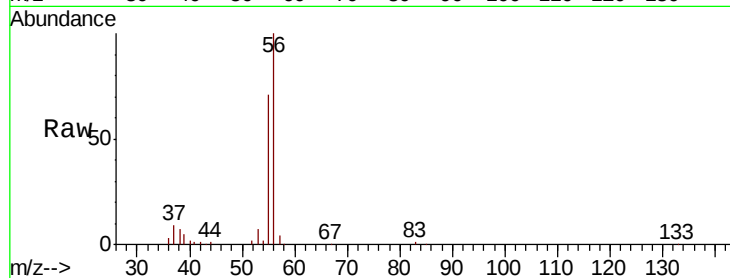
VSTDIC150

Tot Ion: 56 Resp: 149640

Ion Ratio Lower Upper

56 100

55 69.0 55.9 83.9



#14

Allyl chloride

Concen: 147.380 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

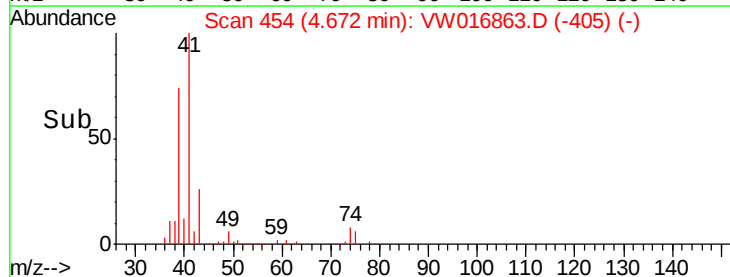
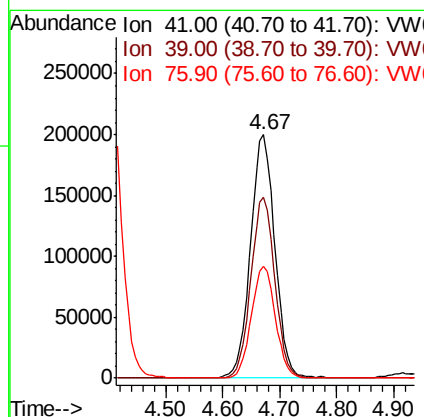
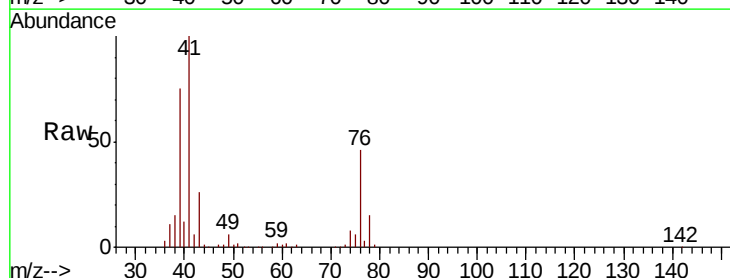
Tgt Ion: 41 Resp: 595922

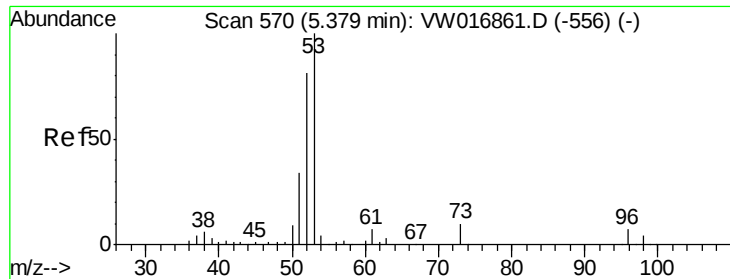
Ion Ratio Lower Upper

41 100

39 73.0 57.8 86.8

76 44.9 35.1 52.7





#15

Acrylonitrile

Concen: 689.445 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

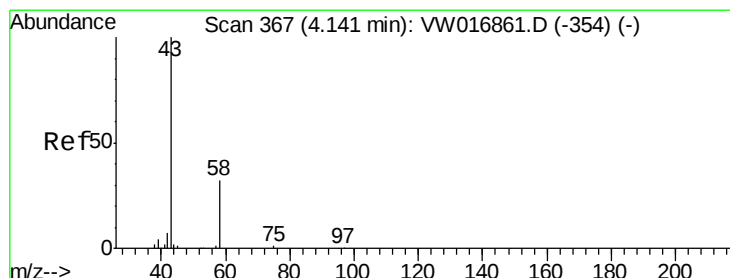
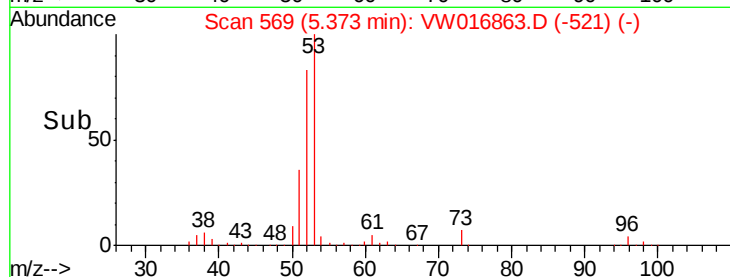
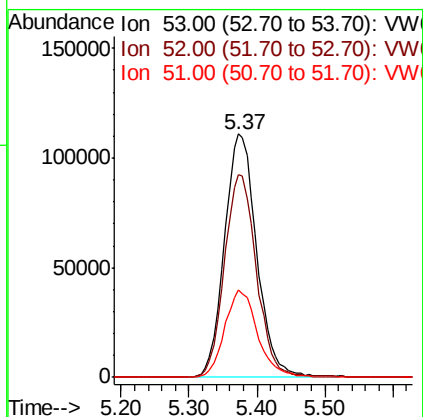
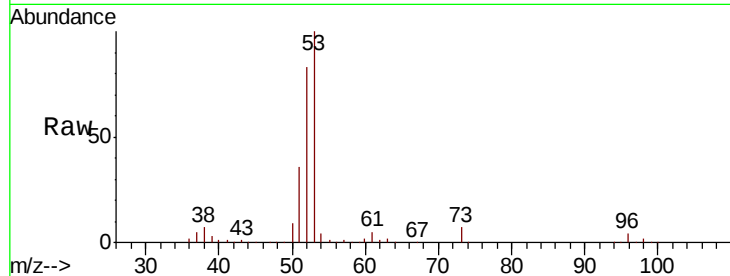
Tot Ion: 53 Resp: 364300

Ion Ratio Lower Upper

53 100

52 82.6 65.0 97.4

51 36.6 29.1 43.7



#16

Acetone

Concen: 665.633 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW016863.D

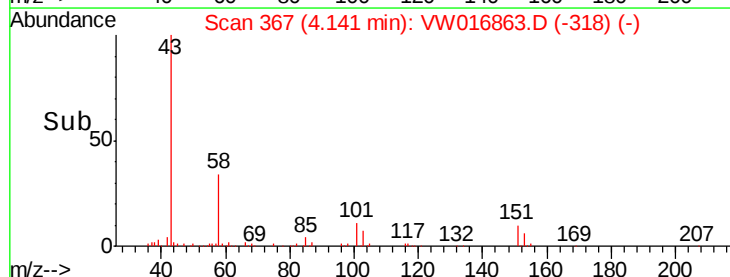
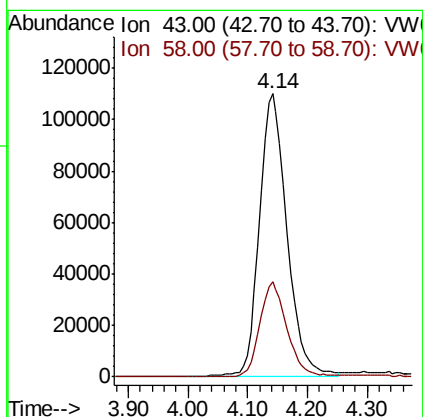
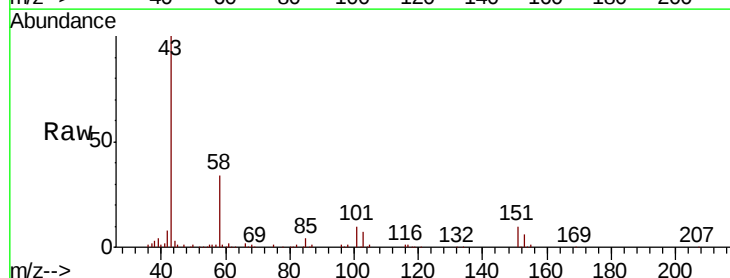
Acq: 09 Oct 2020 15:46

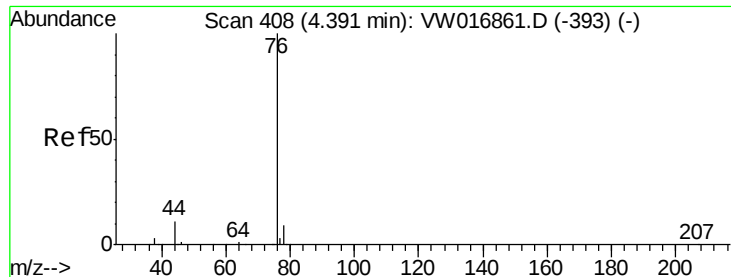
Tgt Ion: 43 Resp: 353962

Ion Ratio Lower Upper

43 100

58 33.6 25.7 38.5





#17

Carbon Disulfide

Concen: 143.046 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

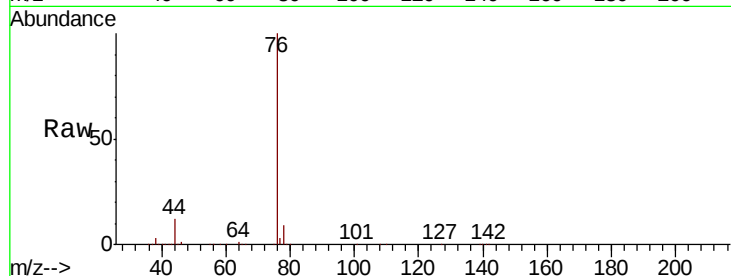
VSTDIC150

Tot Ion: 76 Resp: 1285577

Ion Ratio Lower Upper

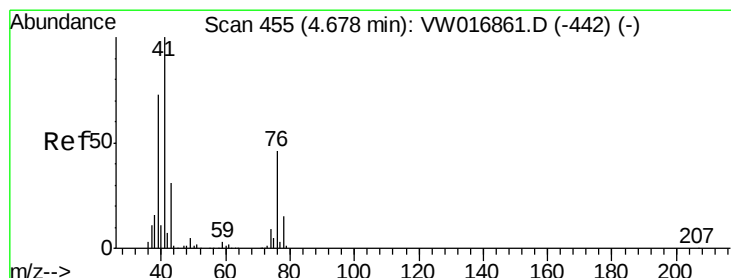
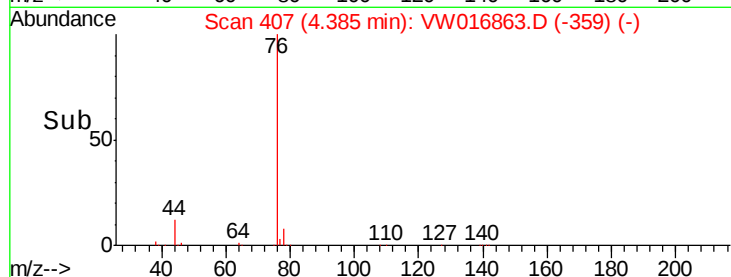
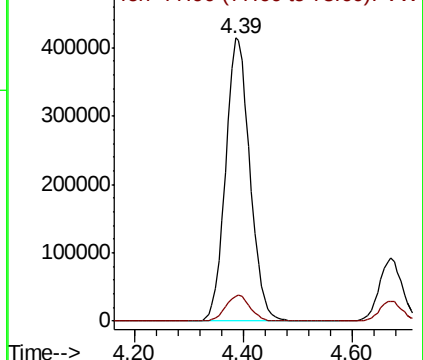
76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 135.205 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW016863.D

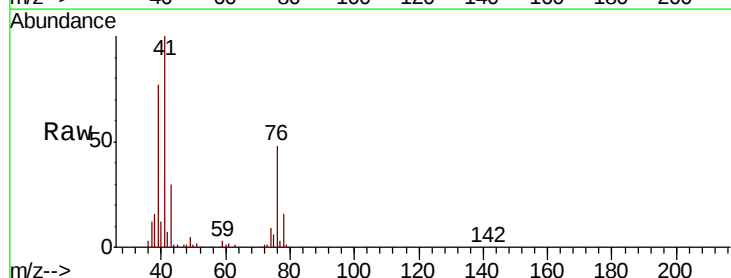
Acq: 09 Oct 2020 15:46

Tgt Ion: 43 Resp: 164905

Ion Ratio Lower Upper

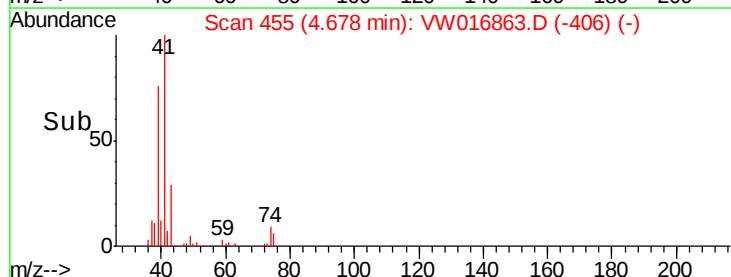
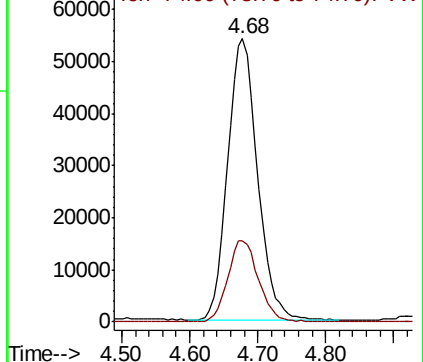
43 100

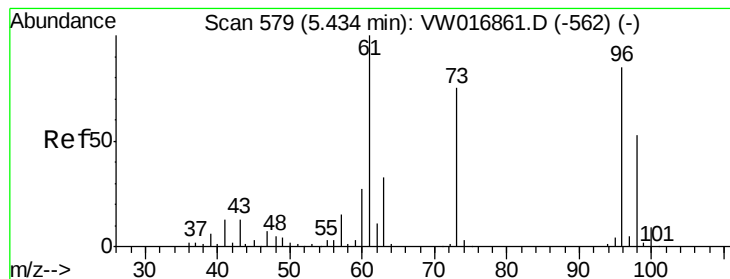
74 29.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



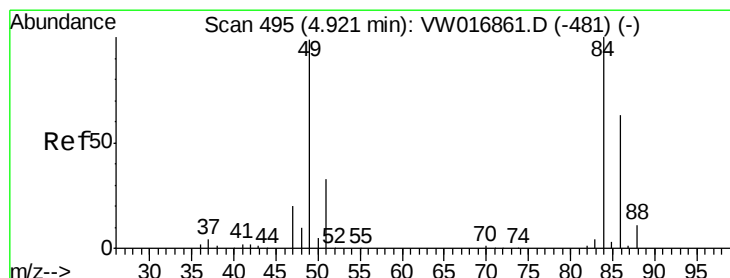
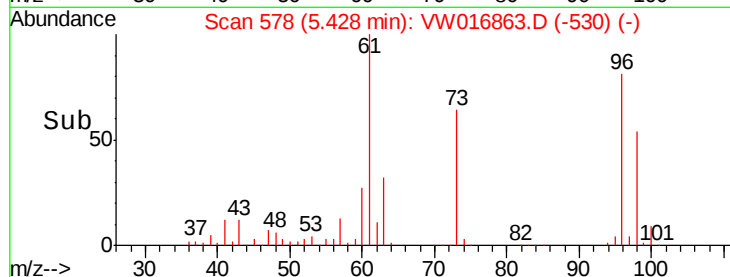
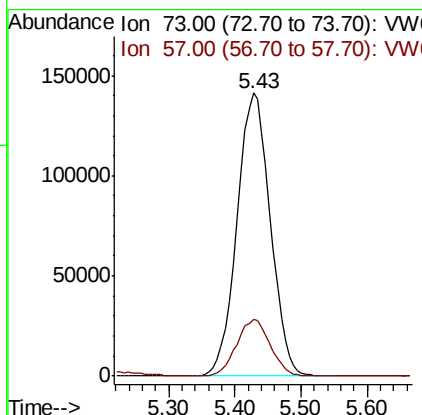
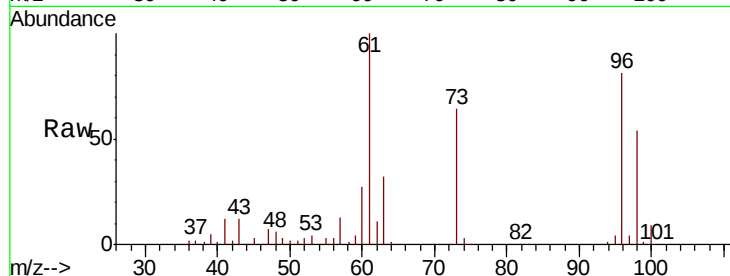


#19

Methyl tert-butyl Ether
 Concen: 135.716 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

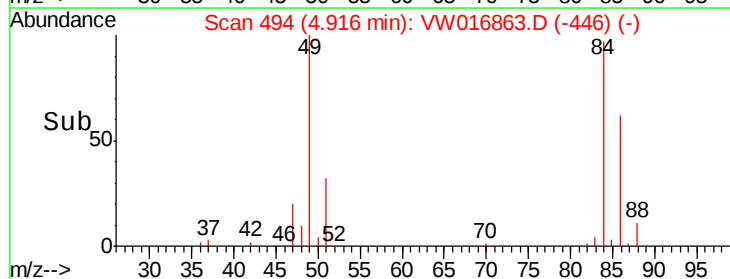
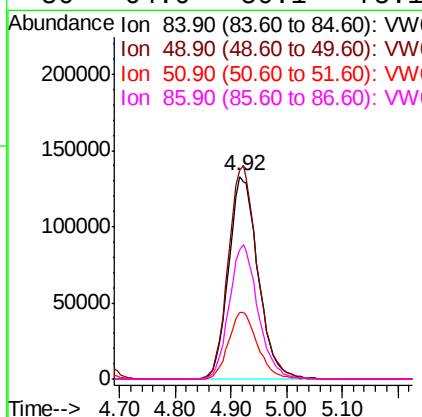
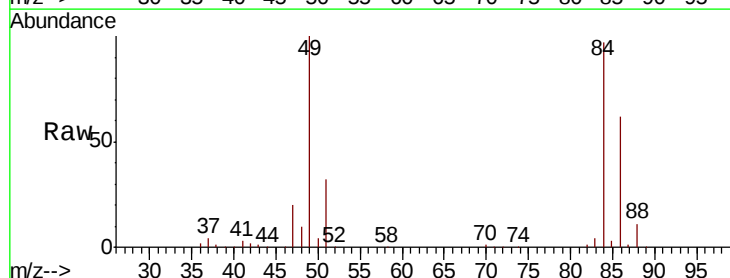
Tot Ion: 73 Resp: 494099
 Ion Ratio Lower Upper
 73 100
 57 20.3 16.1 24.1

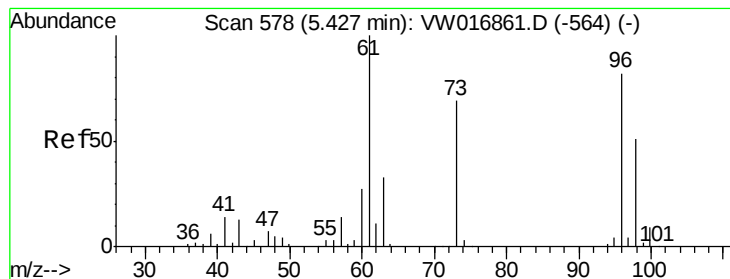


#20

Methylene Chloride
 Concen: 115.373 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion: 84 Resp: 486164
 Ion Ratio Lower Upper
 84 100
 49 103.1 79.0 118.6
 51 32.8 26.1 39.1
 86 64.0 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 141.431 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

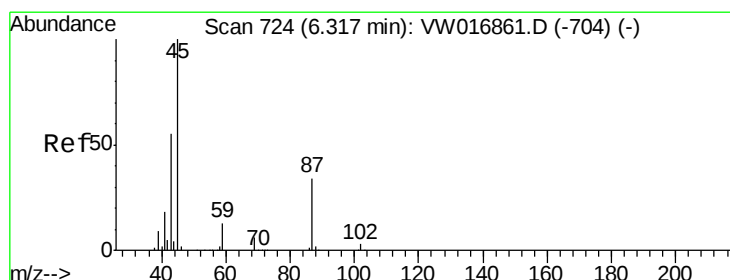
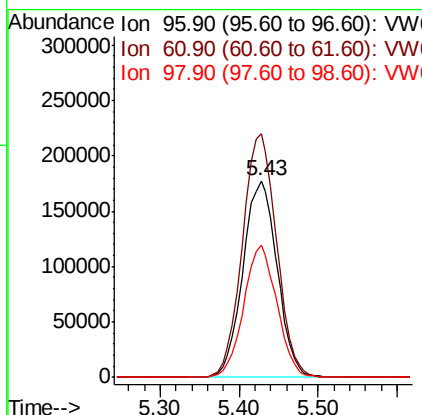
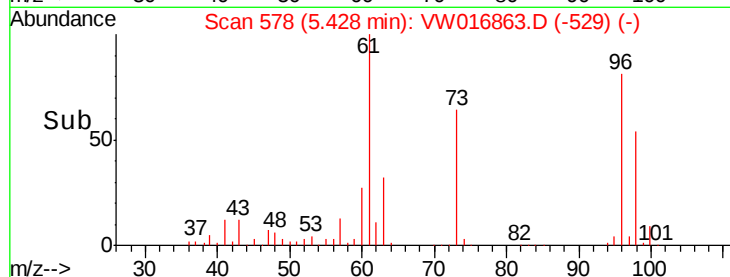
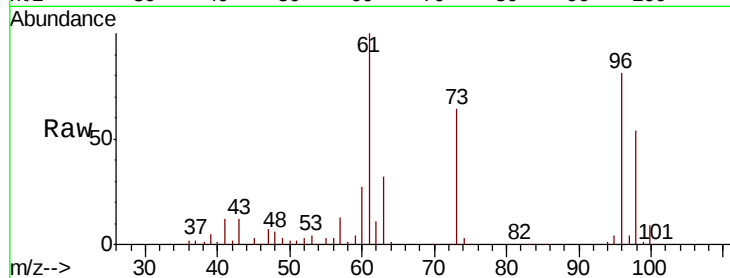
Tot Ion: 96 Resp: 536323

Ion Ratio Lower Upper

96 100

61 123.7 97.4 146.0

98 67.4 49.4 74.0



#22

Diisopropyl ether

Concen: 142.422 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Tgt Ion: 45 Resp: 1046628

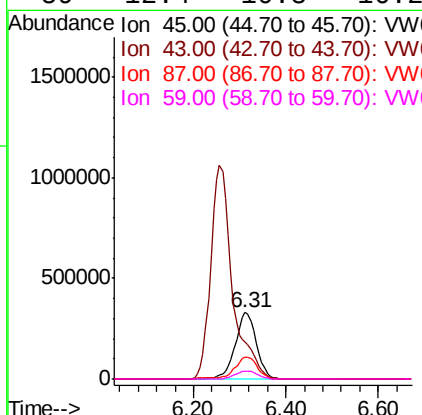
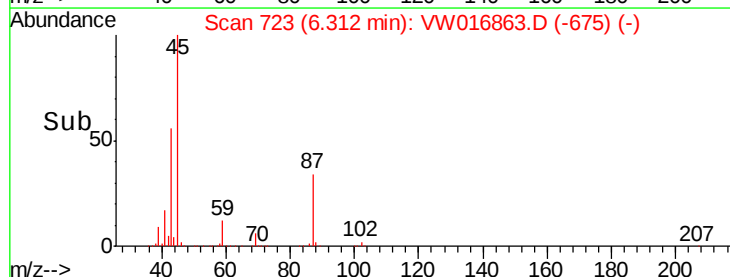
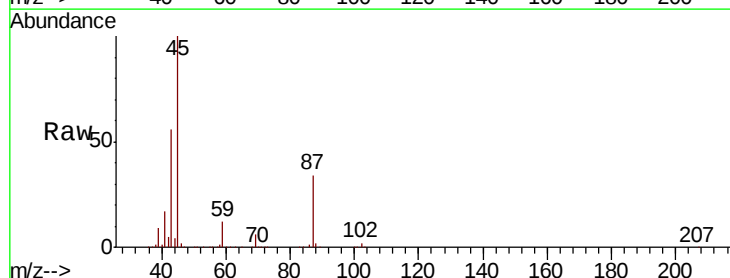
Ion Ratio Lower Upper

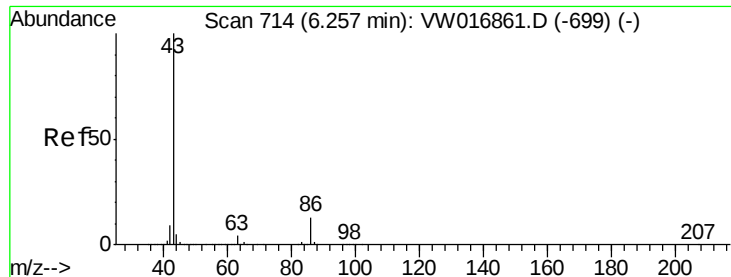
45 100

43 55.8 43.8 65.8

87 33.9 27.6 41.4

59 12.4 10.8 16.2





#23

Vinyl Acetate

Concen: 736.869 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

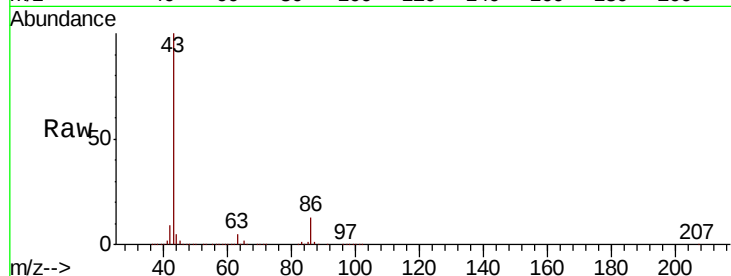
VSTDIC150

Tot Ion: 43 Resp: 3469833

Ion Ratio Lower Upper

43 100

86 13.4 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

1200000

1000000

800000

600000

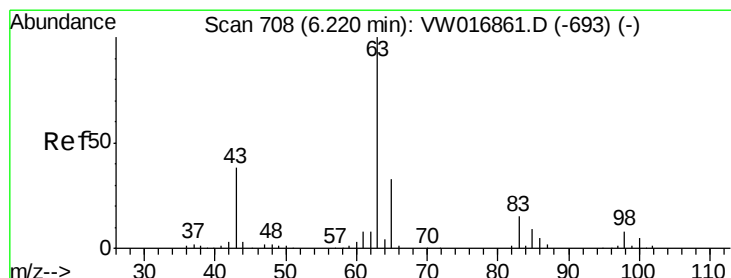
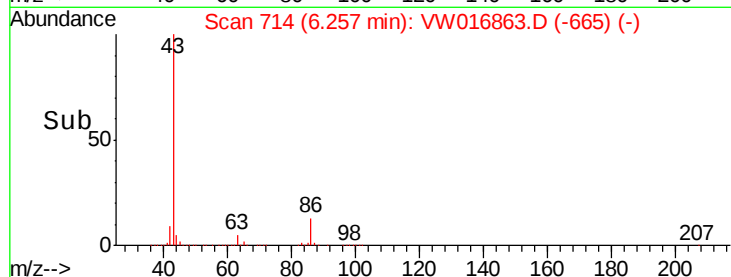
400000

200000

0

Time-->

6.20 6.40



#24

1,1-Dichloroethane

Concen: 144.165 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

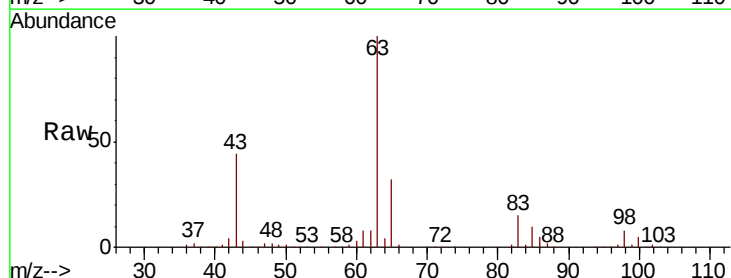
Tgt Ion: 63 Resp: 840083

Ion Ratio Lower Upper

63 100

98 8.0 4.2 12.6

100 5.1 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

300000

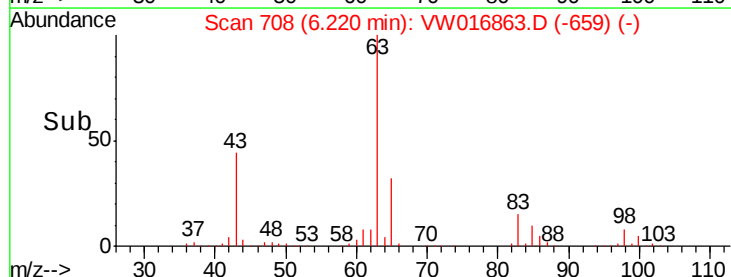
200000

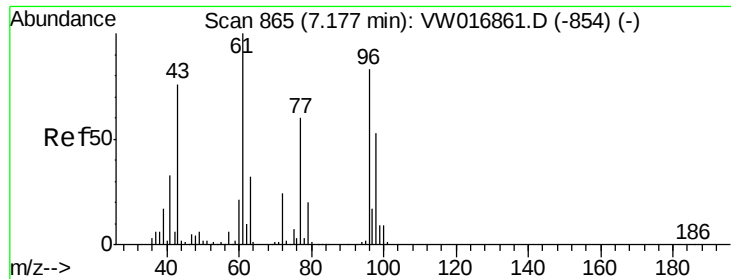
100000

0

Time-->

6.10 6.30 6.40





#25

2-Butanone

Concen: 691.855 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

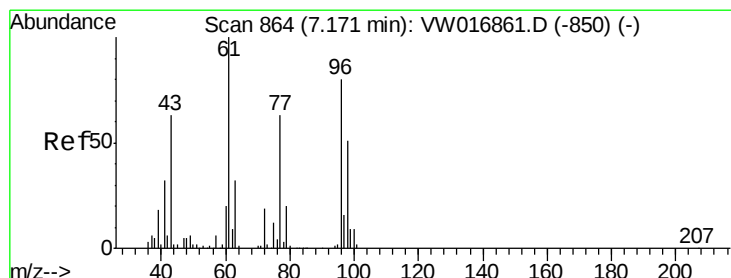
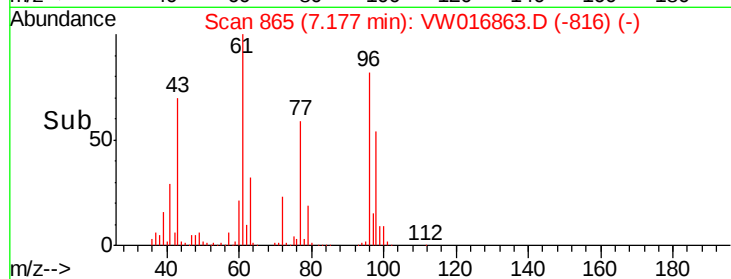
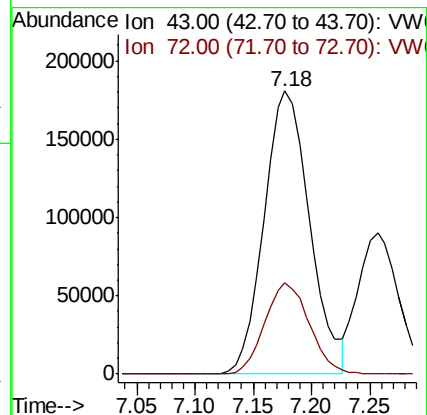
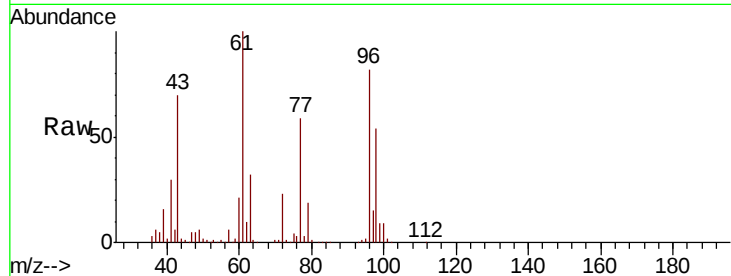
VSTDIC150

Tot Ion: 43 Resp: 490477

Ion Ratio Lower Upper

43 100

72 32.3 25.4 38.2



#26

2,2-Dichloropropane

Concen: 136.069 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016863.D

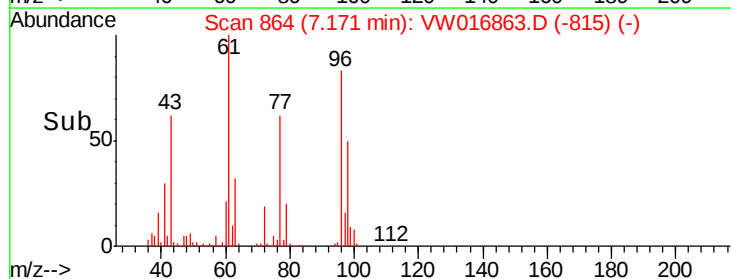
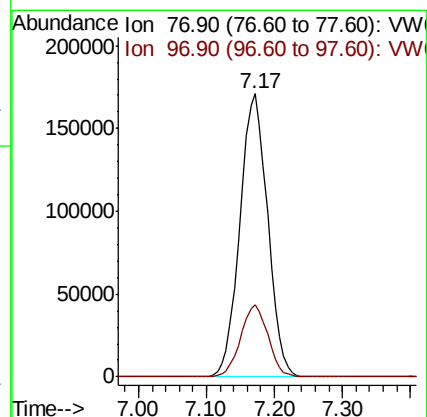
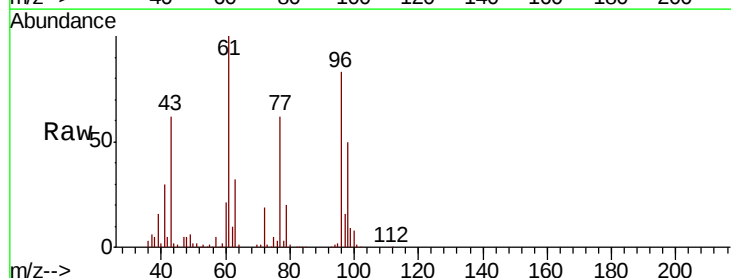
Acq: 09 Oct 2020 15:46

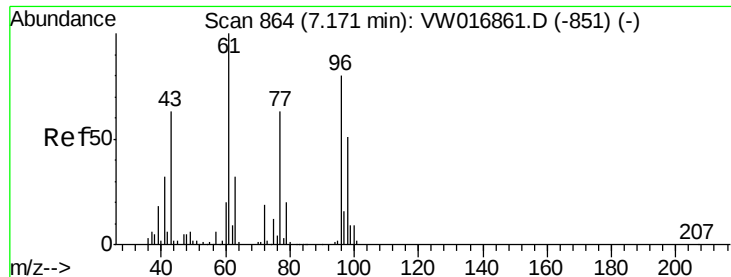
Tgt Ion: 77 Resp: 485113

Ion Ratio Lower Upper

77 100

97 25.0 12.4 37.4

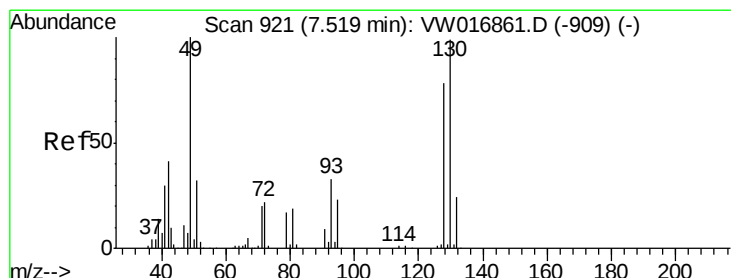
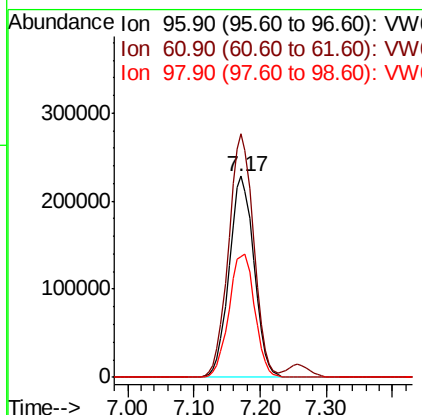
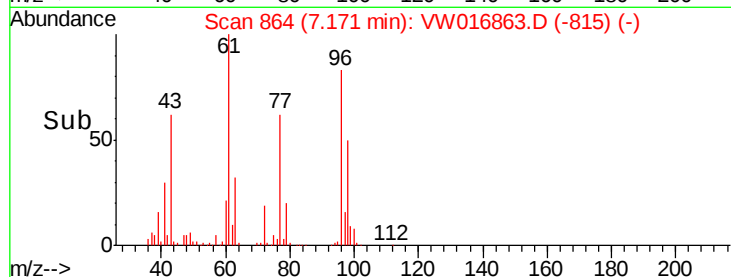
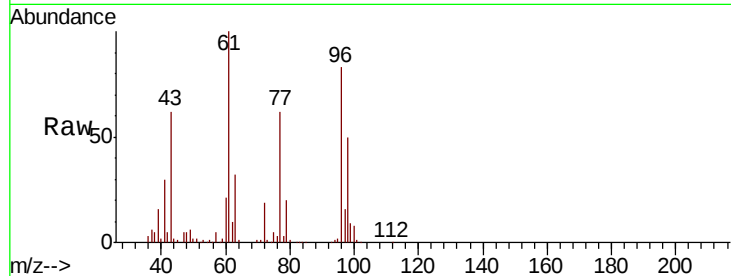




#27
 cis-1,2-Dichloroethene
 Concen: 145.912 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

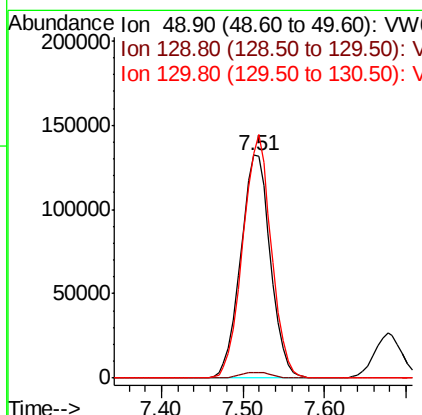
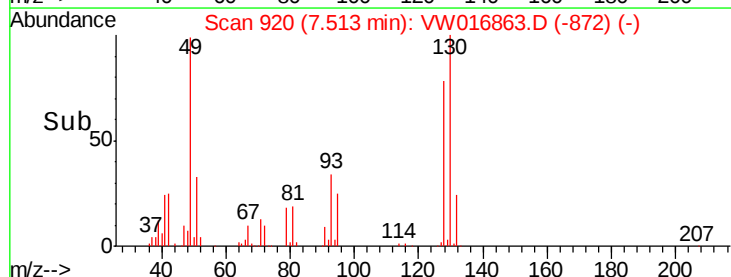
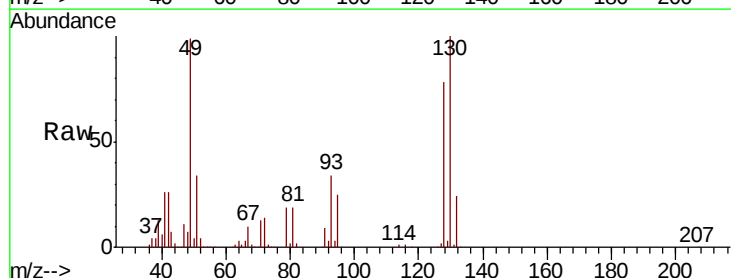
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

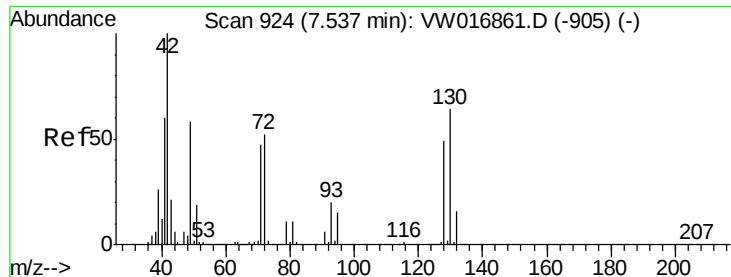
Tot Ion	Ratio	Lower	Upper
96	100		
61	122.5	0.0	249.6
98	63.6	0.0	129.4



#28
 Bromochloromethane
 Concen: 143.742 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	104.2	81.3	121.9

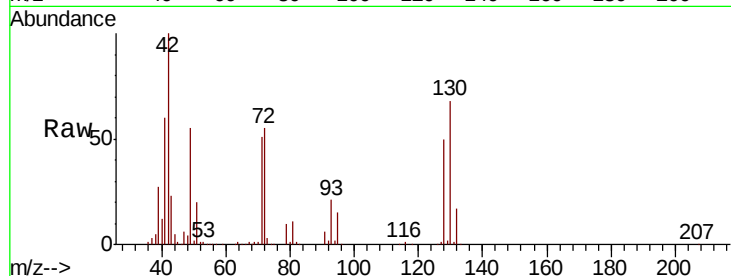




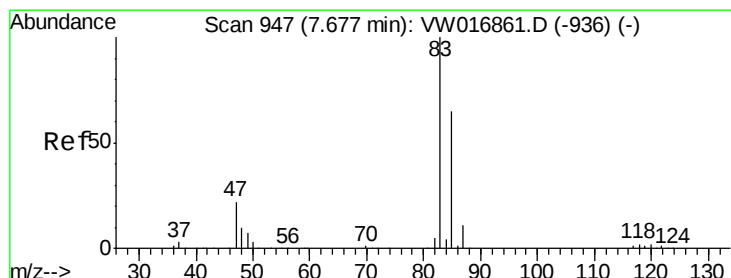
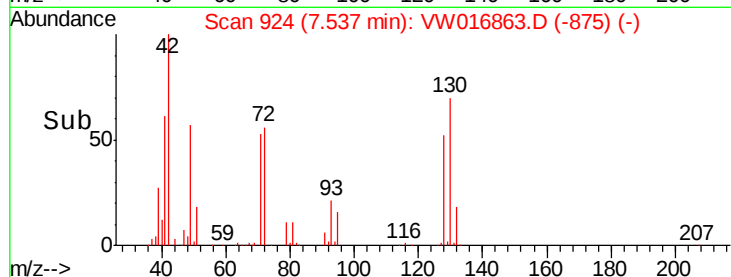
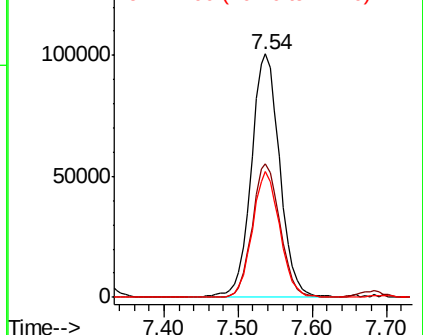
#29
Tetrahydrofuran
Concen: 677.913 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 269193
Ion Ratio Lower Upper
42 100
72 53.6 42.0 63.0
71 49.7 39.0 58.6

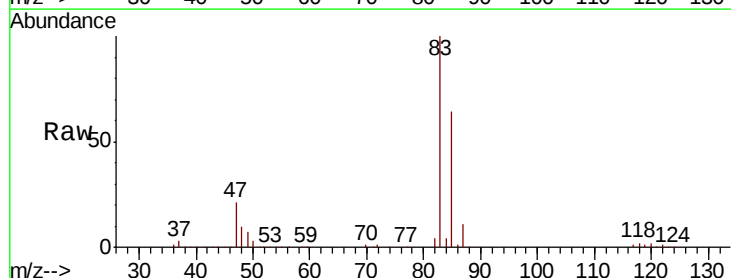


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

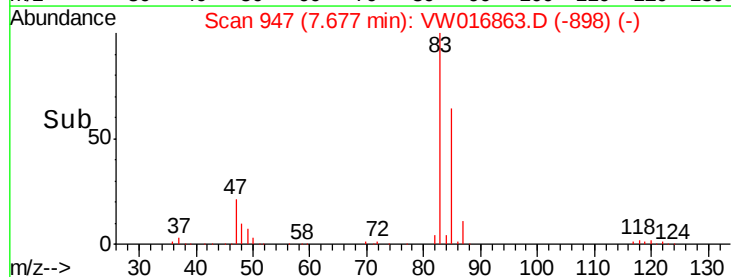
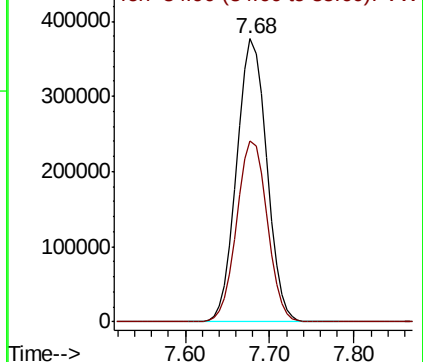


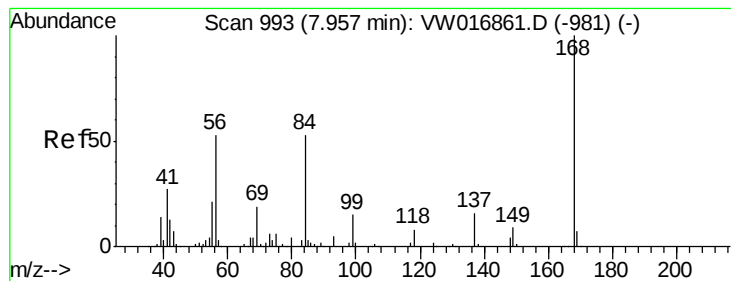
#30
Chloroform
Concen: 143.468 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion: 83 Resp: 908857
Ion Ratio Lower Upper
83 100
85 63.8 51.7 77.5



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





#31

Cyclohexane

Concen: 129.997 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

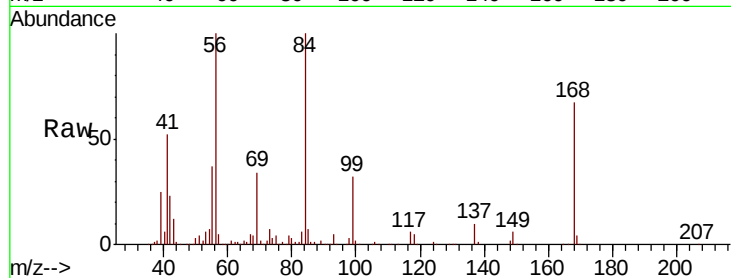
Tot Ion: 56 Resp: 646138

Ion Ratio Lower Upper

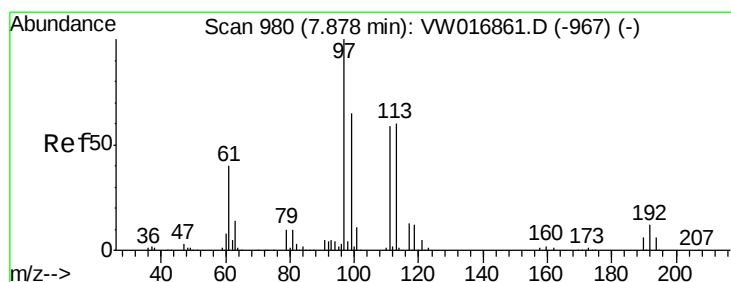
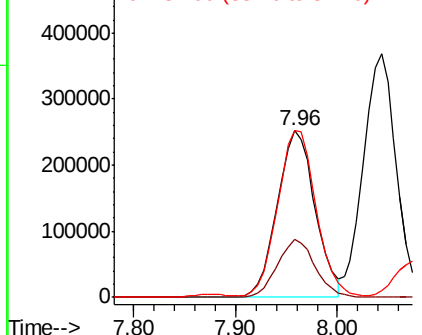
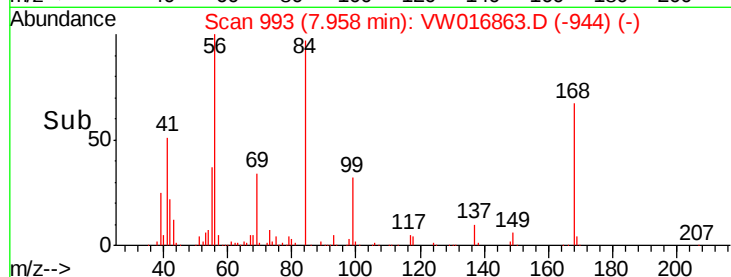
56 100

69 34.5 29.3 43.9

84 99.1 80.5 120.7



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: 143.026 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

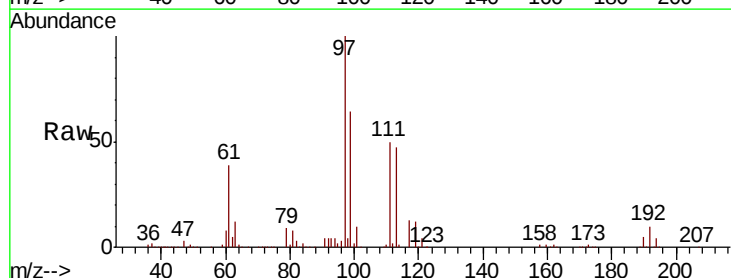
Tgt Ion: 97 Resp: 764250

Ion Ratio Lower Upper

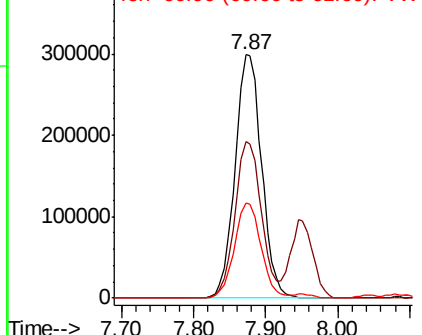
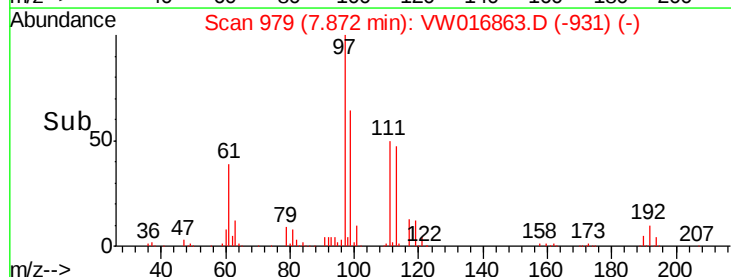
97 100

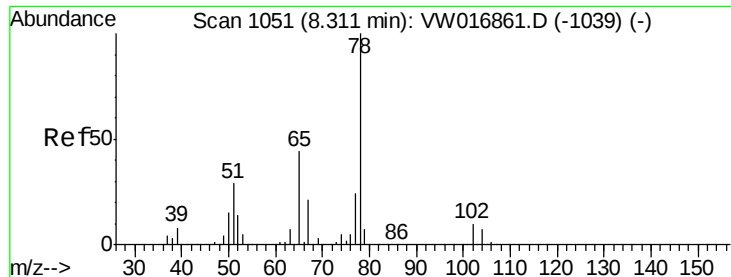
99 63.8 52.4 78.6

61 39.3 31.9 47.9



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

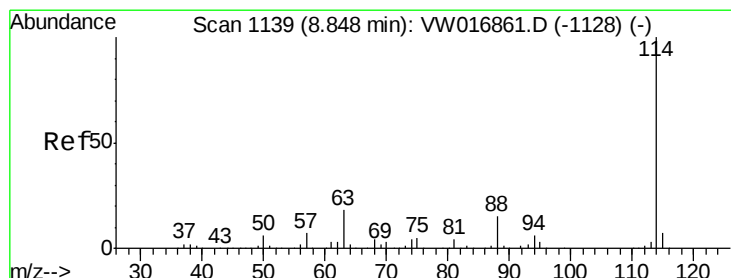
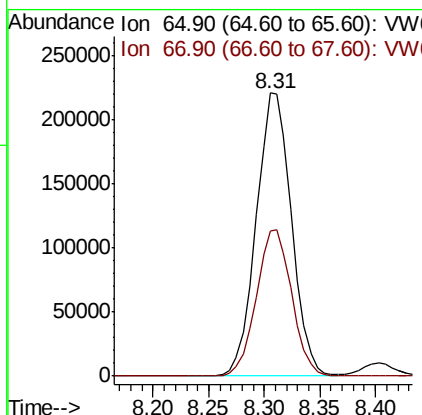
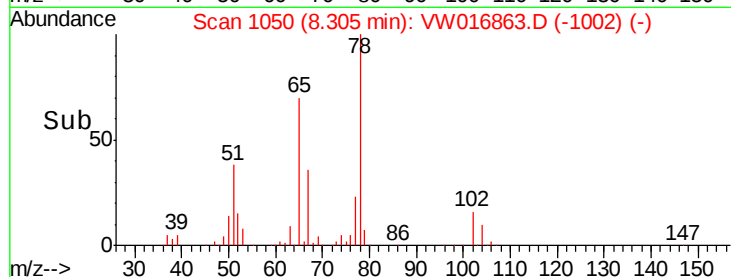
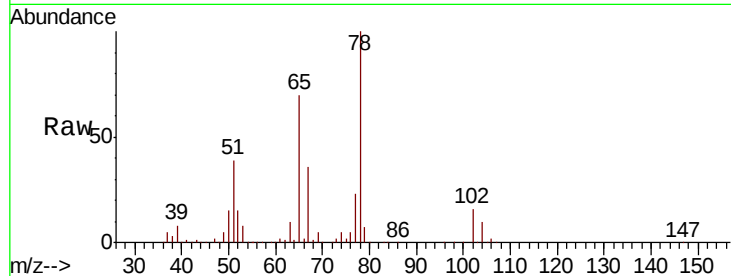




#33
 1,2-Dichloroethane-d4
 Concen: 148.300 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

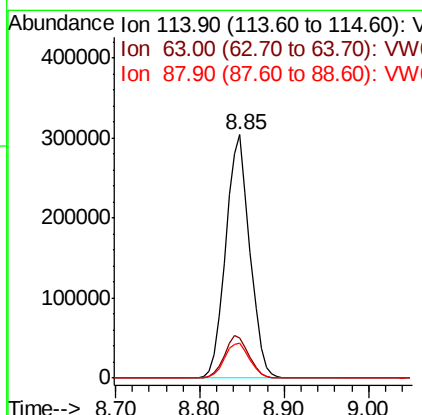
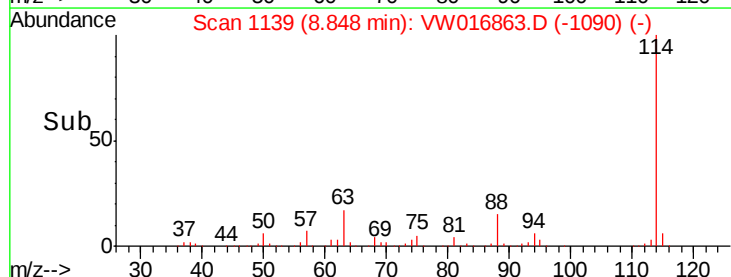
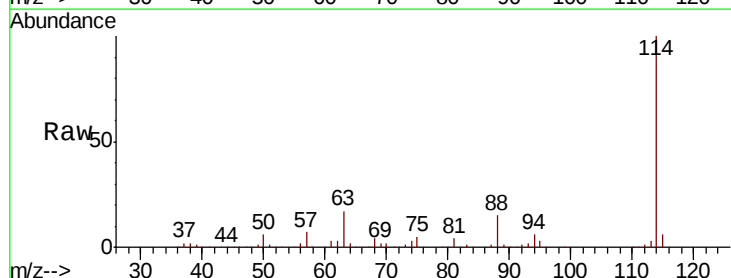
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

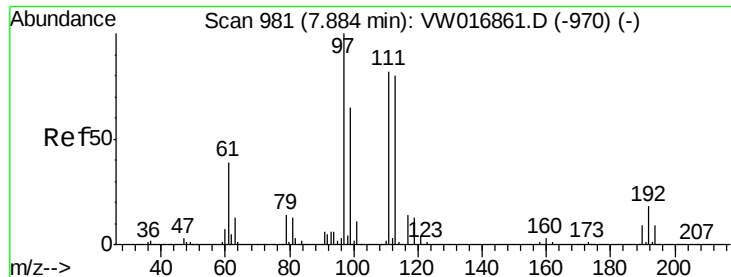
Tot Ion: 65 Resp: 486913
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion: 114 Resp: 589923
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 35.6
 88 14.6 0.0 30.4

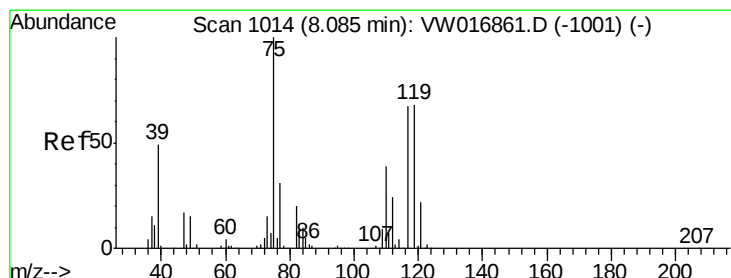
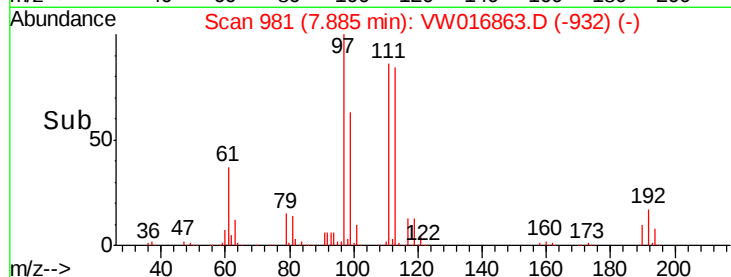
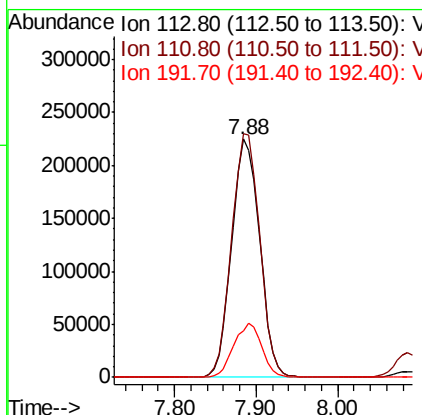
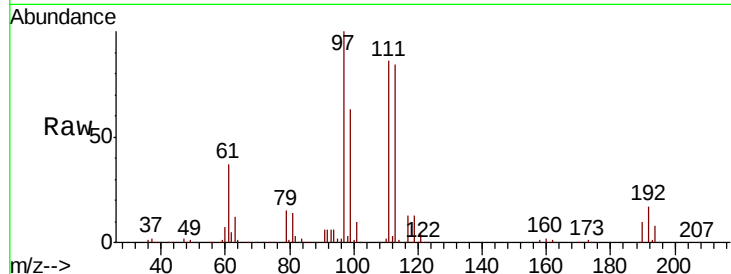




#35
 Dibromofluoromethane
 Concen: 147.438 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

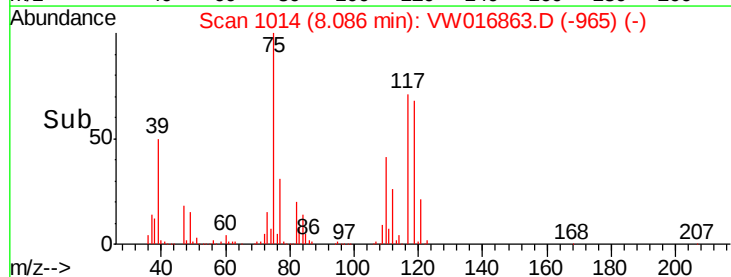
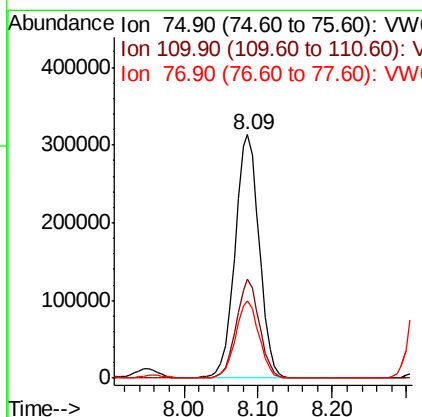
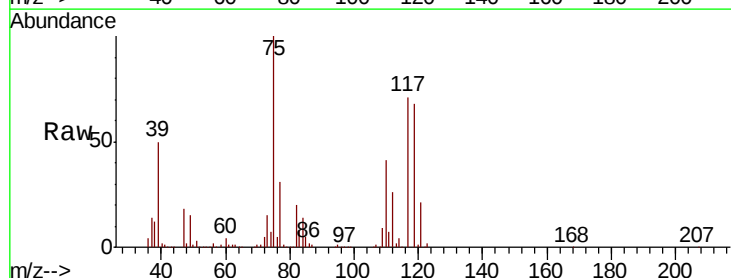
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

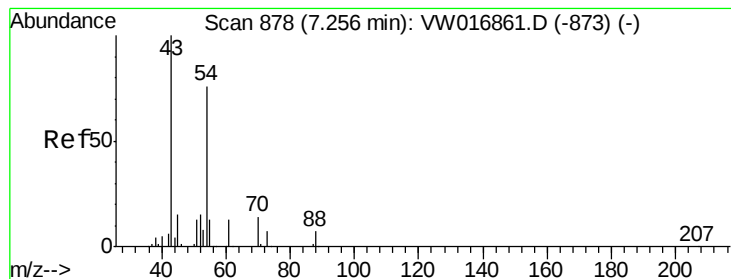
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.2
192	22.6	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 139.532 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.3	57.9
77	31.1	25.0	37.6





#37

Ethyl Acetate

Concen: 133.545 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

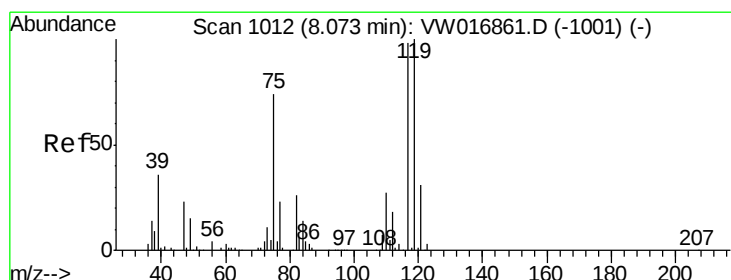
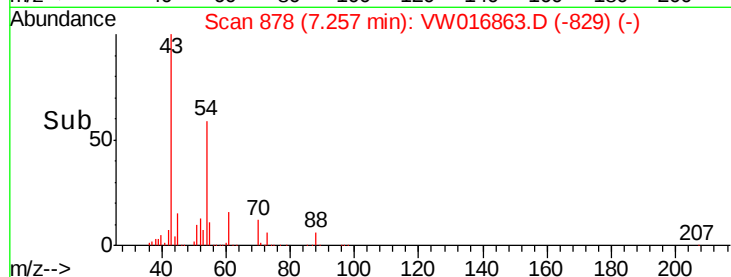
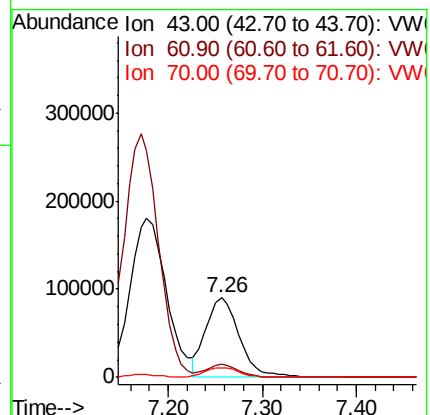
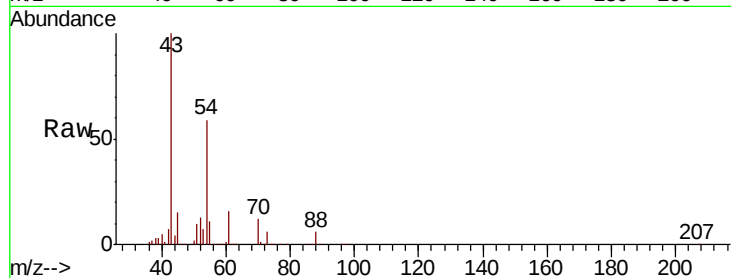
Tot Ion: 43 Resp: 222514

Ion Ratio Lower Upper

43 100

61 15.7 12.0 18.0

70 12.6 9.9 14.9



#38

Carbon Tetrachloride

Concen: 143.872 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

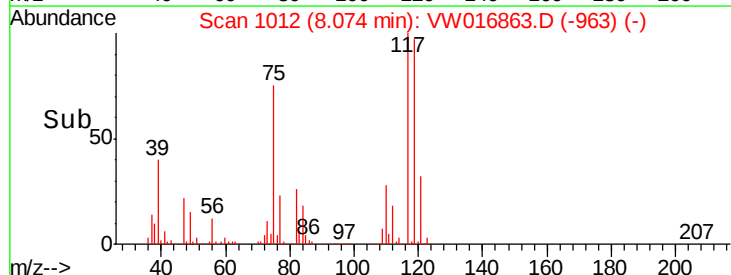
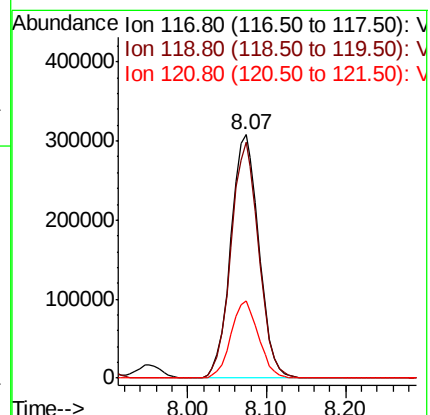
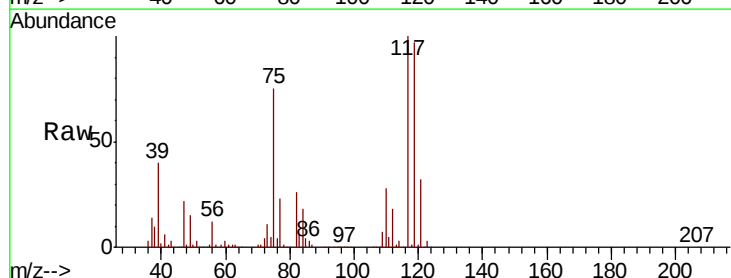
Tgt Ion: 117 Resp: 762881

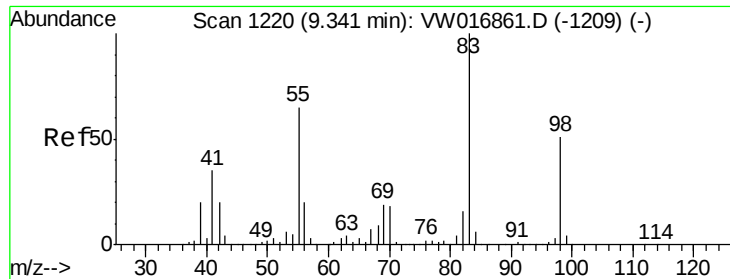
Ion Ratio Lower Upper

117 100

119 96.8 81.6 122.4

121 31.9 25.7 38.5

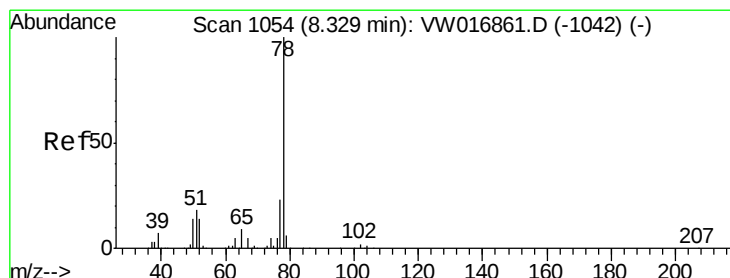
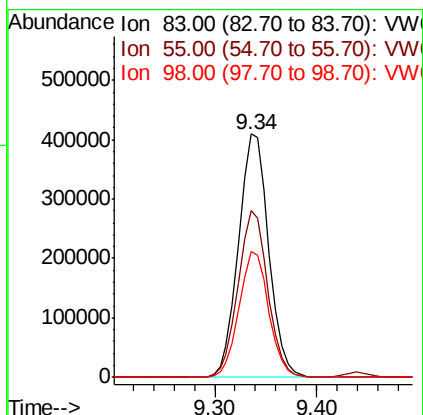
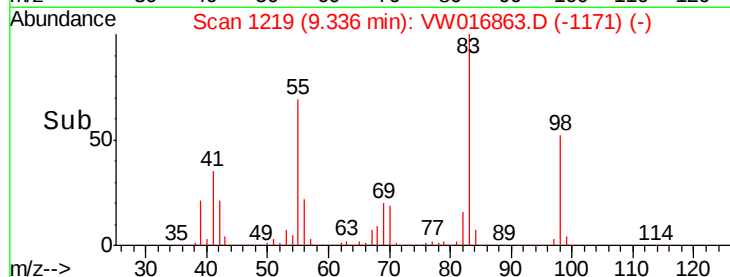
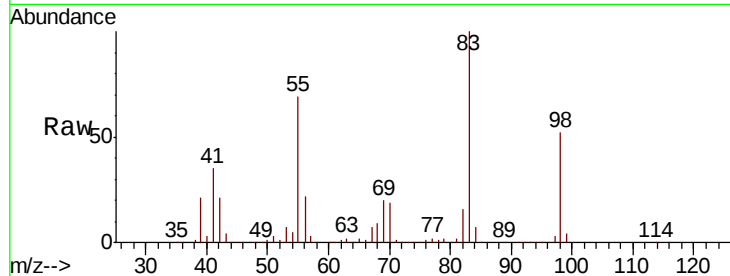




#39
Methvlcvclohexane
Concen: 144.564 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

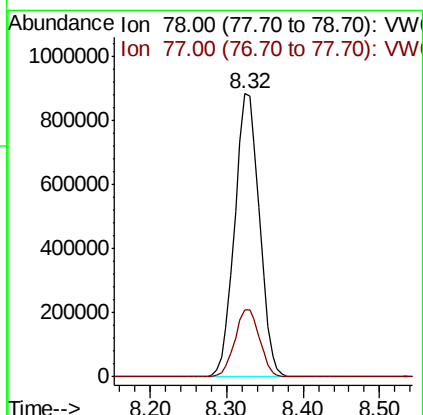
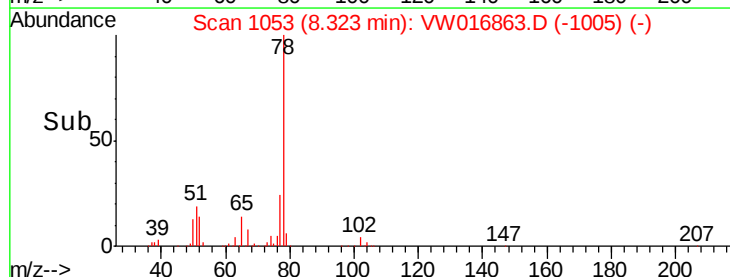
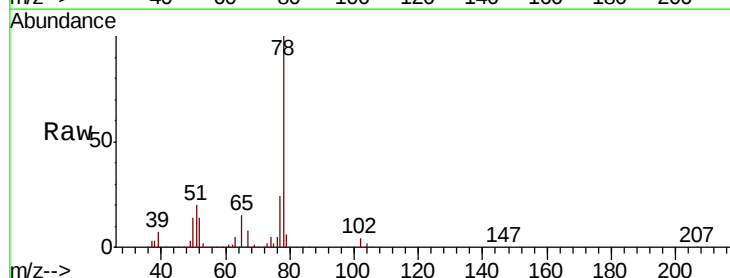
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

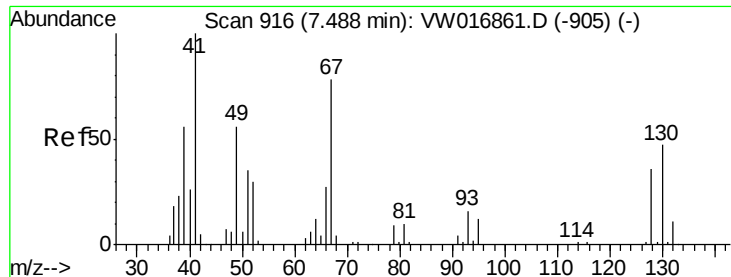
Tot Ion: 83 Resp: 840738
Ion Ratio Lower Upper
83 100
55 68.7 51.7 77.5
98 51.8 41.0 61.4



#40
Benzene
Concen: 139.506 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion: 78 Resp: 1982346
Ion Ratio Lower Upper
78 100
77 23.9 18.5 27.7

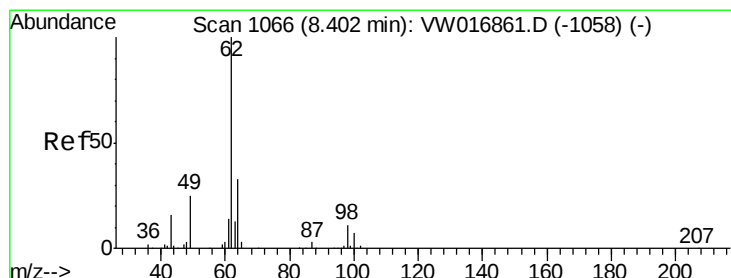
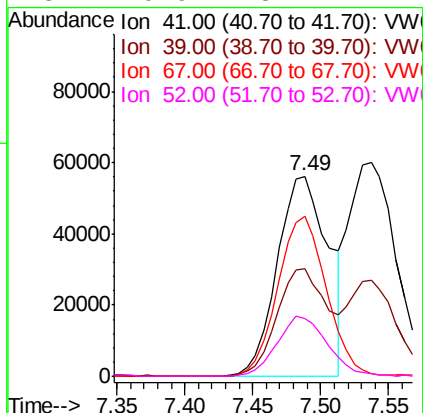
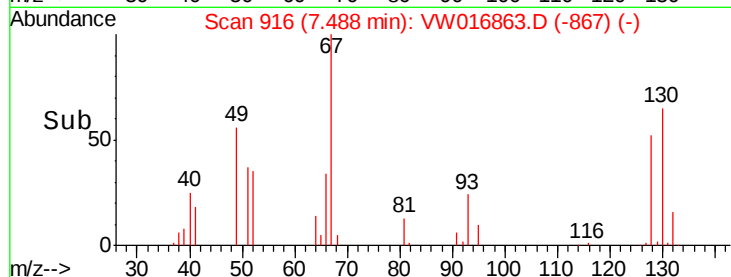
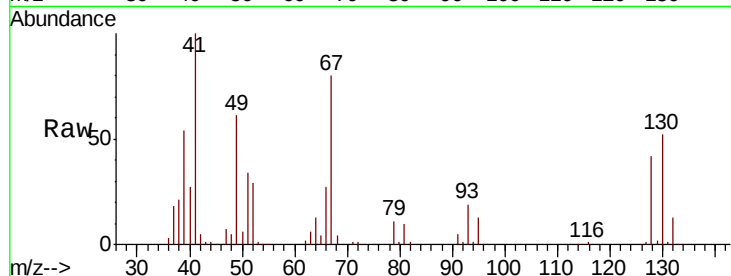




#41
Methacrylonitrile
Concen: 204.375 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

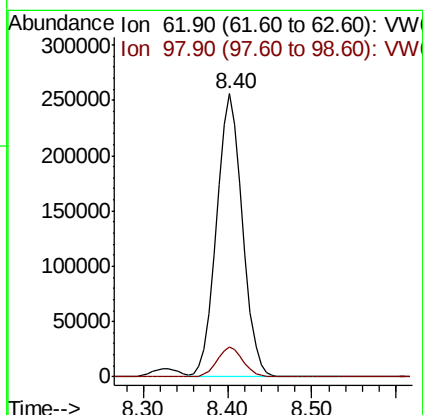
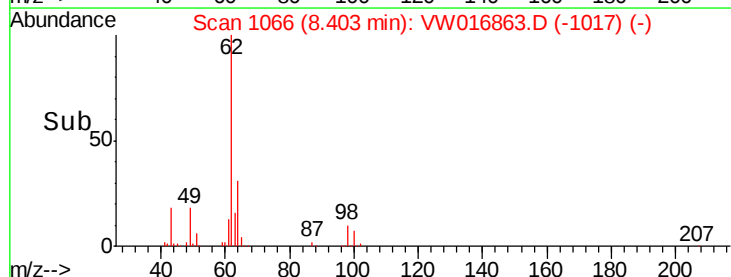
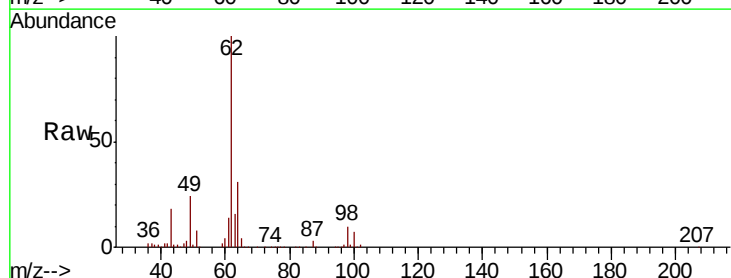
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

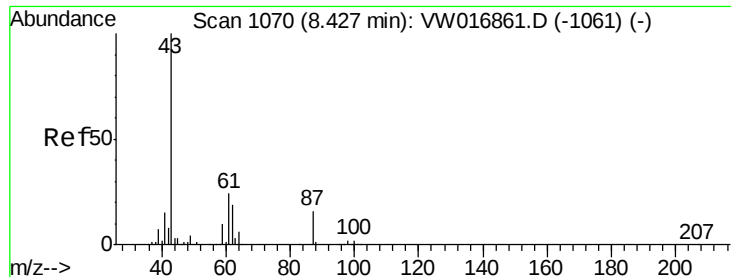
Tot Ion:	41	Resp:	146116
Ion	Ratio	Lower	Upper
41	100		
39	53.6	47.0	70.6
67	77.0	68.6	102.8
52	29.9	28.1	42.1



#42
1,2-Dichloroethane
Concen: 139.629 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion:	62	Resp:	542723
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 143.501 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

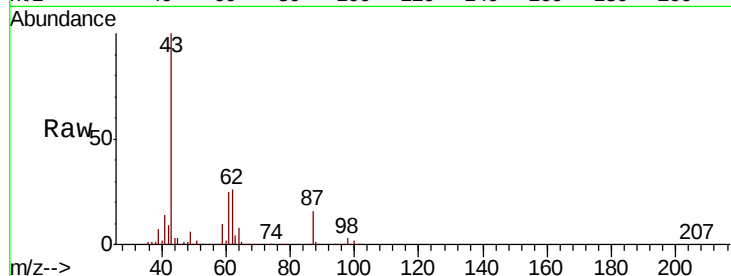
Tot Ion: 43 Resp: 458049

Ion Ratio Lower Upper

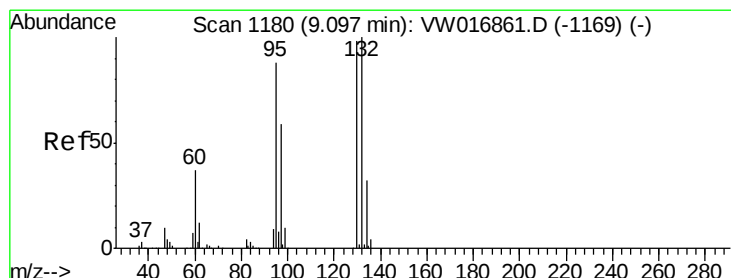
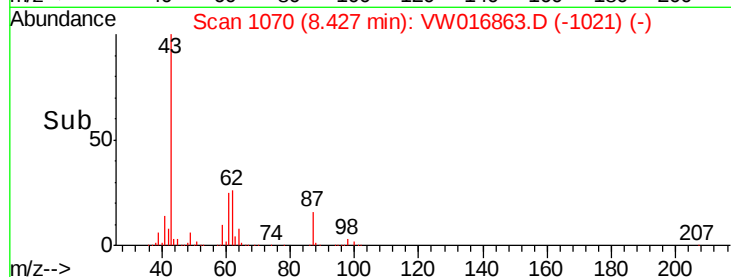
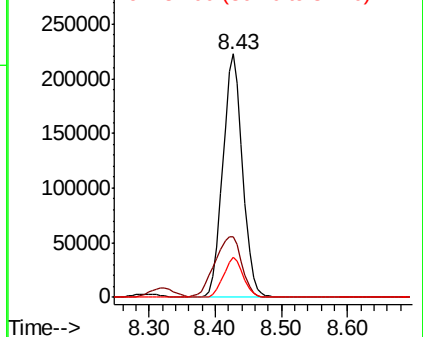
43 100

61 34.4 27.5 41.3

87 16.5 13.6 20.4



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



#44

Trichloroethene

Concen: 141.877 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016863.D

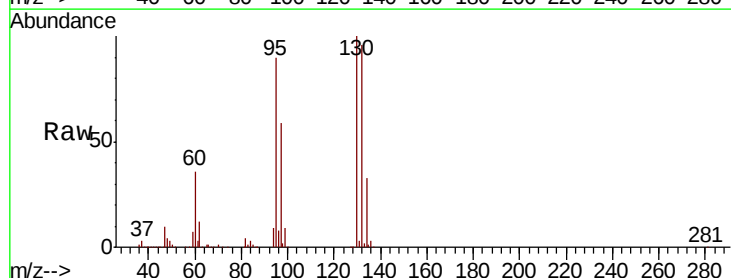
Acq: 09 Oct 2020 15:46

Tgt Ion:130 Resp: 623995

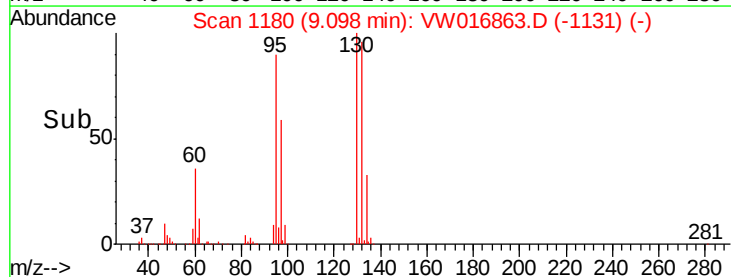
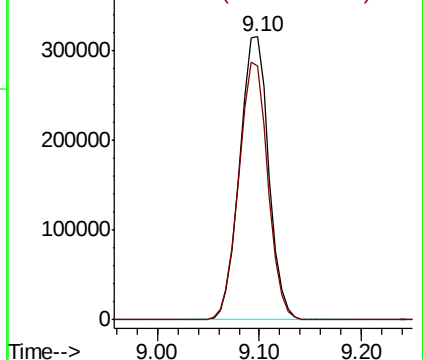
Ion Ratio Lower Upper

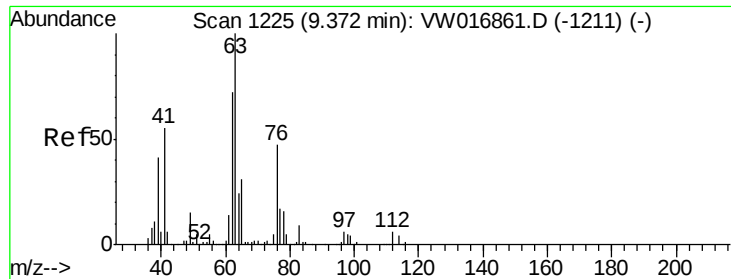
130 100

95 89.9 0.0 180.2



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

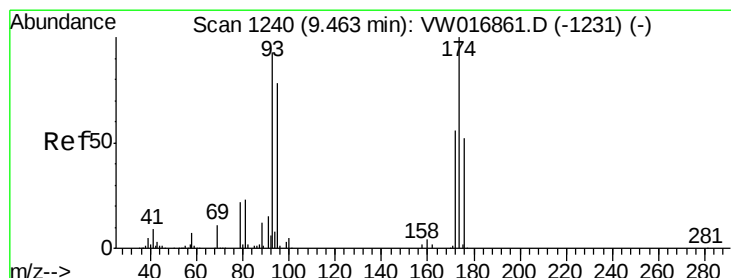
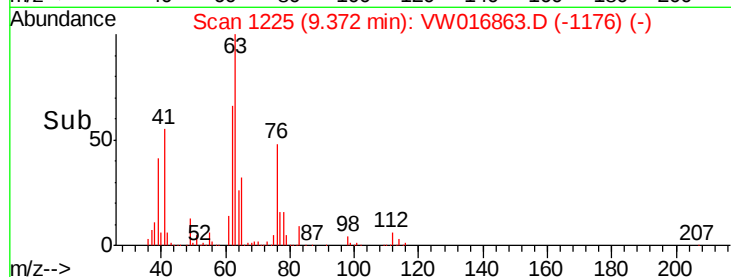
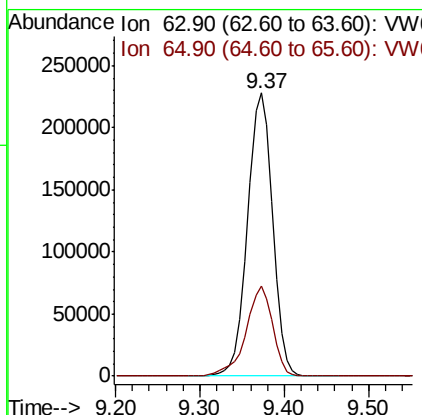
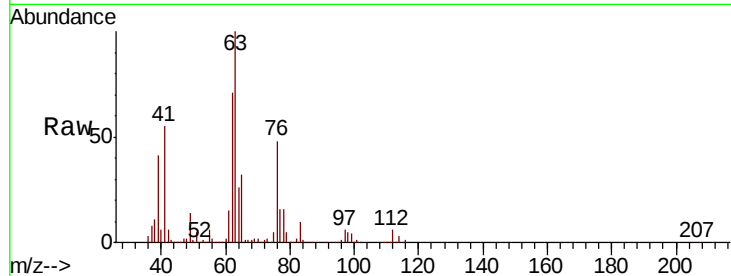




#45
 1,2-Dichloropropane
 Concen: 140.650 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

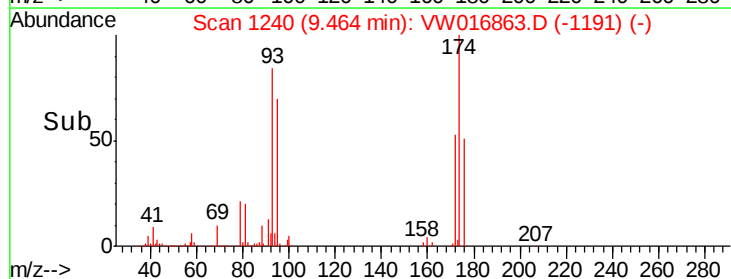
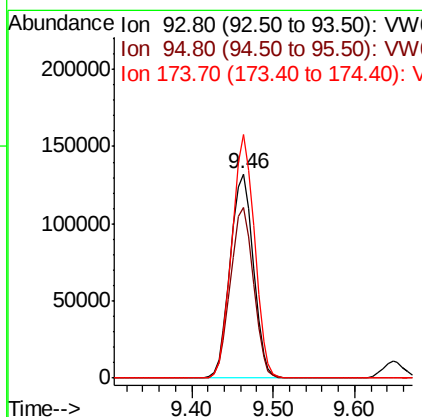
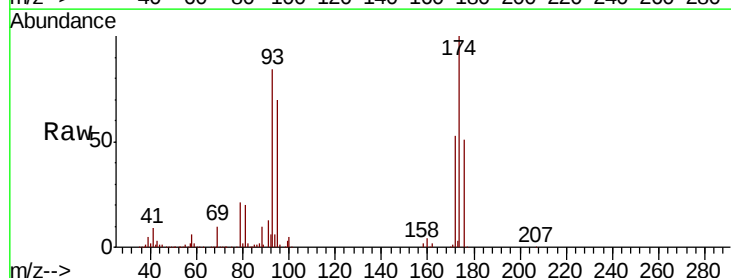
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

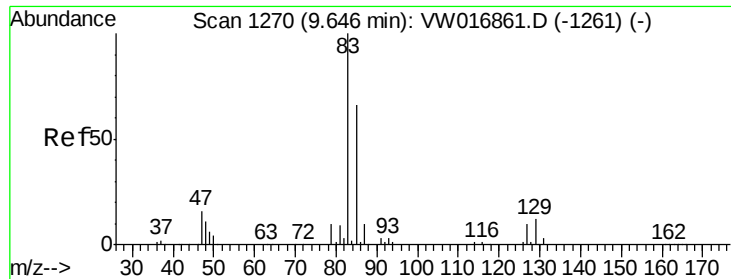
Tot Ion: 63 Resp: 455769
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.1 37.7



#46
 Dibromomethane
 Concen: 139.737 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion: 93 Resp: 258996
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 116.3 91.0 136.6

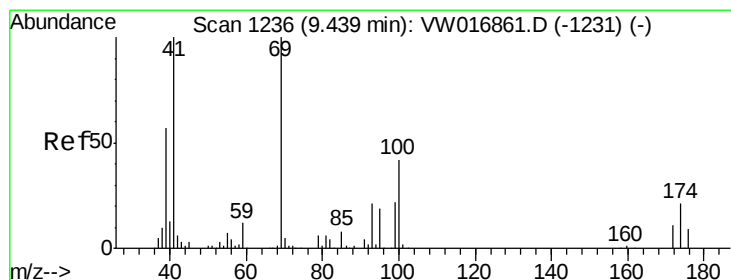
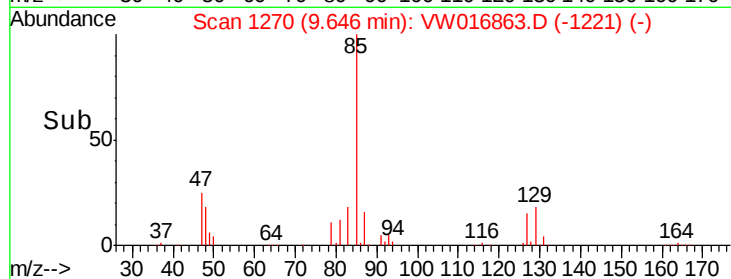
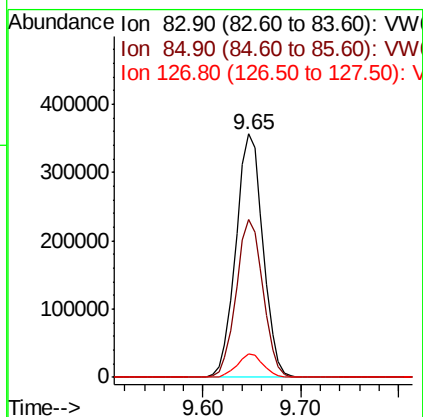
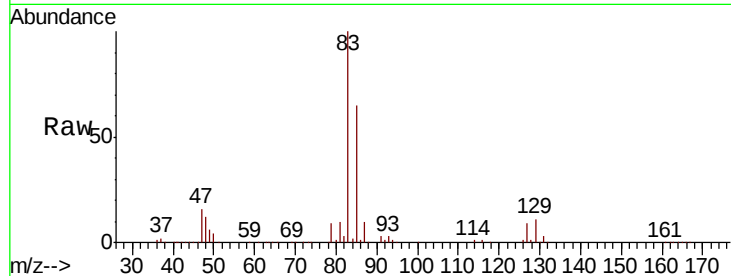




#47
 Bromodichloromethane
 Concen: 147.870 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

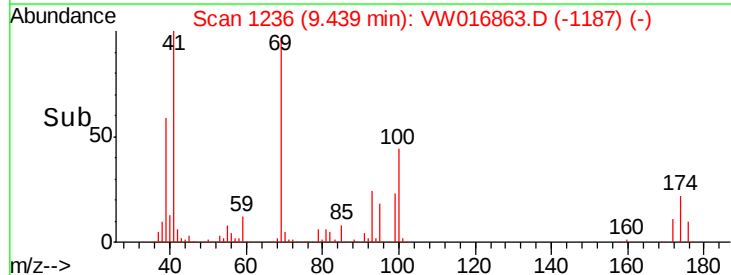
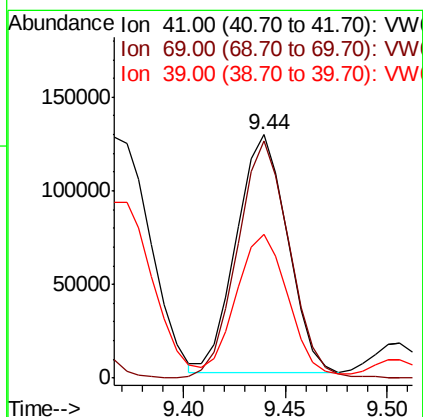
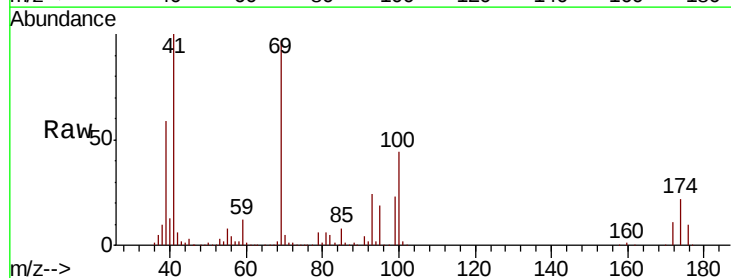
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

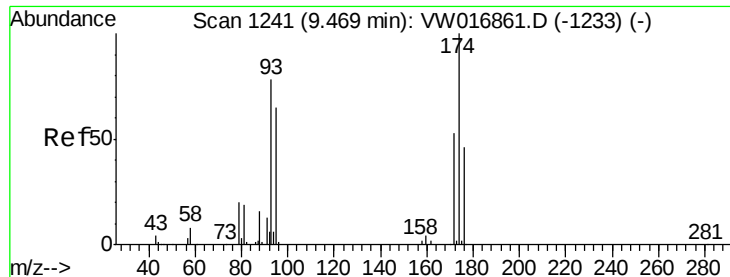
Tot Ion: 83 Resp: 681456
 Ion Ratio Lower Upper
 83 100
 85 64.8 52.7 79.1
 127 9.4 7.8 11.6



#48
 Methyl methacrylate
 Concen: 149.693 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion: 41 Resp: 220185
 Ion Ratio Lower Upper
 41 100
 69 101.6 83.5 125.3
 39 62.0 50.9 76.3





#49

1,4-Dioxane

Concen: 2780.703 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

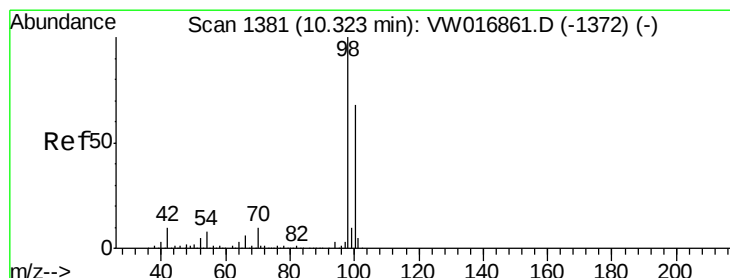
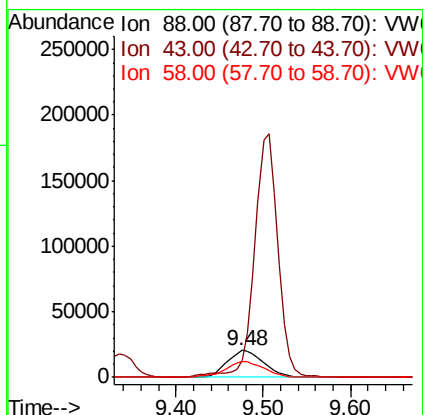
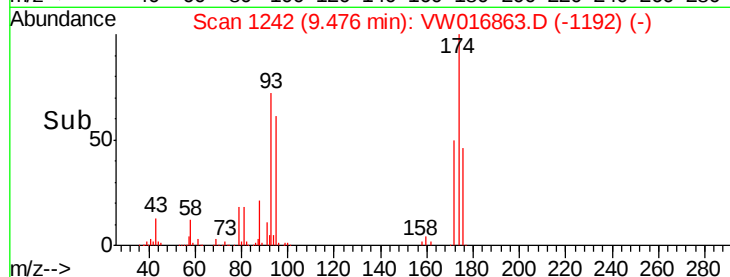
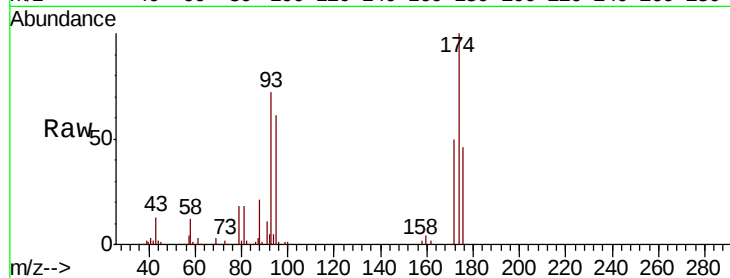
Tot Ion: 88 Resp: 59283

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 64.5 54.0 81.0



#50

Toluene-d8

Concen: 150.082 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW016863.D

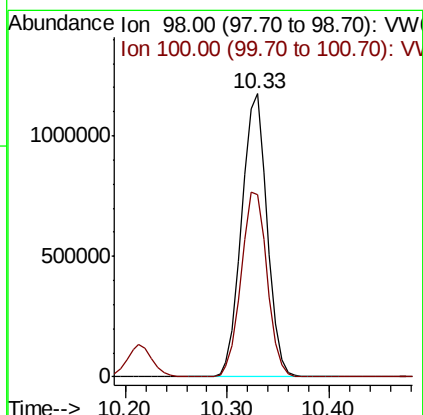
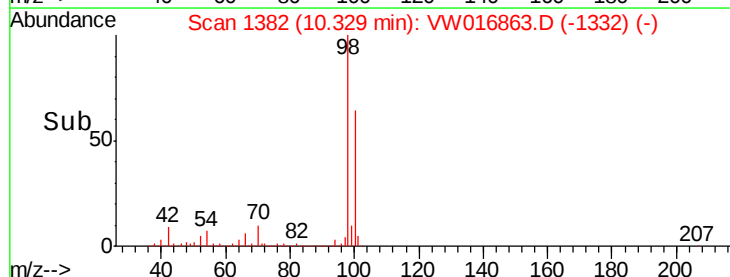
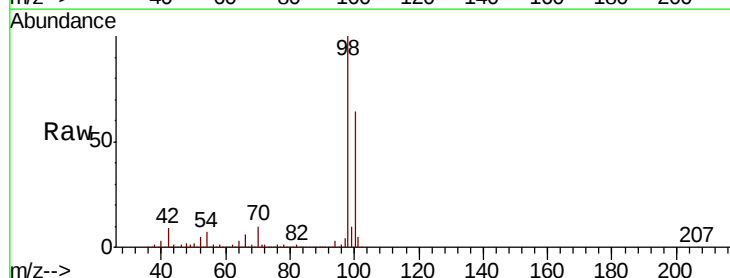
Acq: 09 Oct 2020 15:46

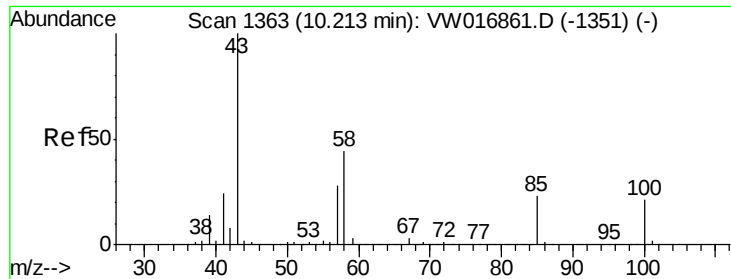
Tgt Ion: 98 Resp: 2034728

Ion Ratio Lower Upper

98 100

100 66.6 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 678.947 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

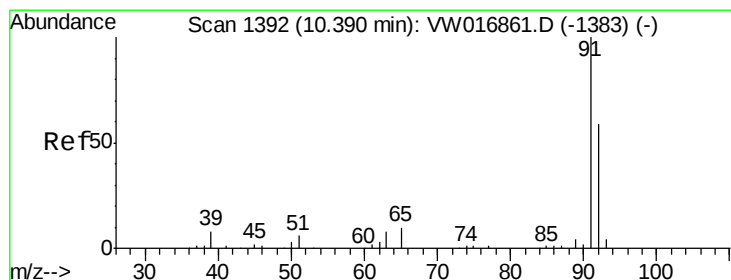
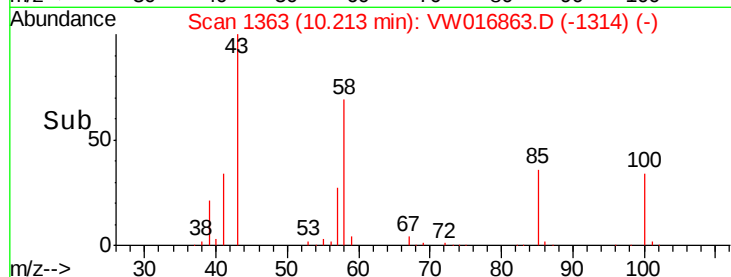
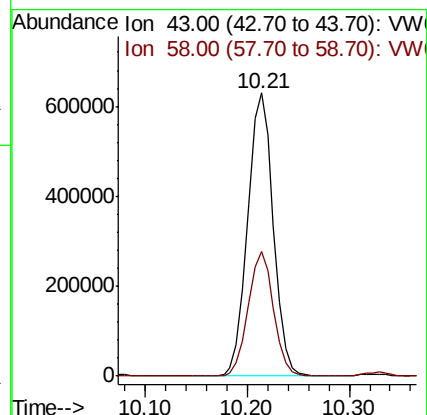
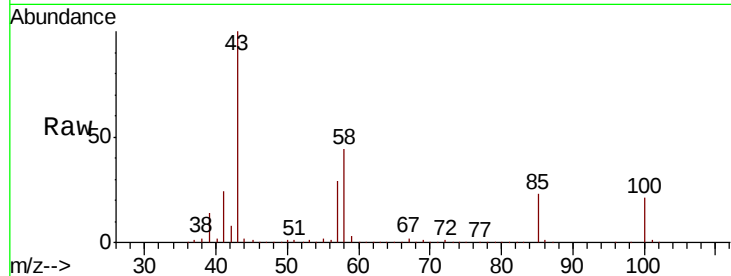
VSTDIC150

Tot Ion: 43 Resp: 1096357

Ion Ratio Lower Upper

43 100

58 43.6 34.7 52.1



#52

Toluene

Concen: 141.758 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016863.D

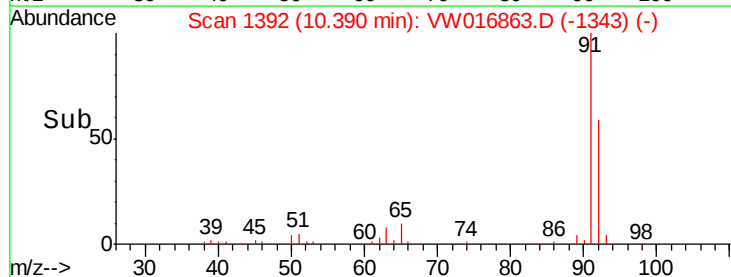
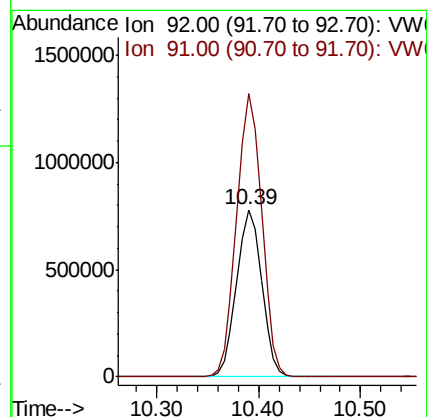
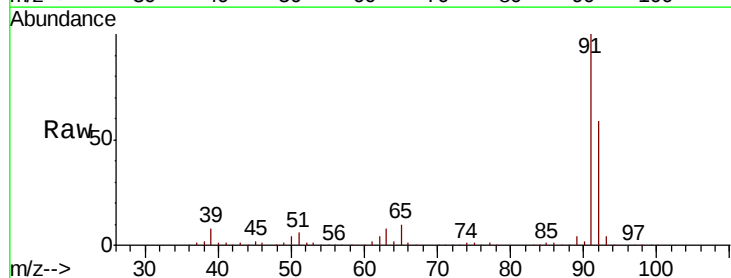
Acq: 09 Oct 2020 15:46

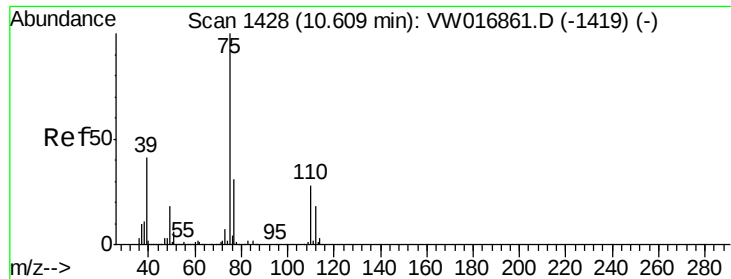
Tgt Ion: 92 Resp: 1331563

Ion Ratio Lower Upper

92 100

91 169.7 134.7 202.1





#53

t-1,3-Dichloropropene

Concen: 156.084 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

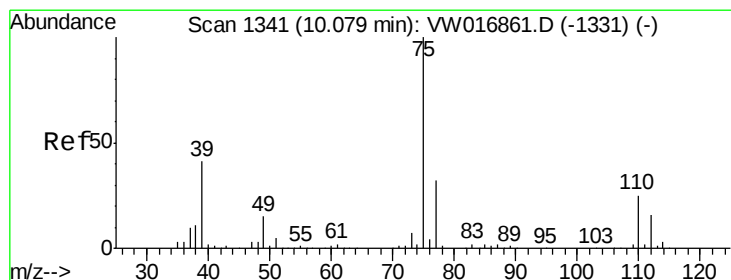
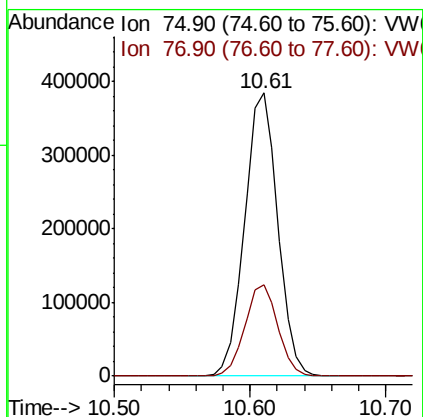
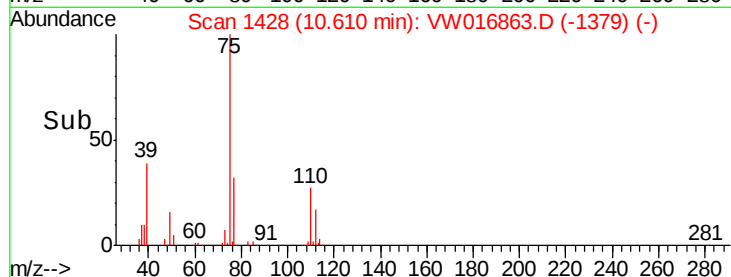
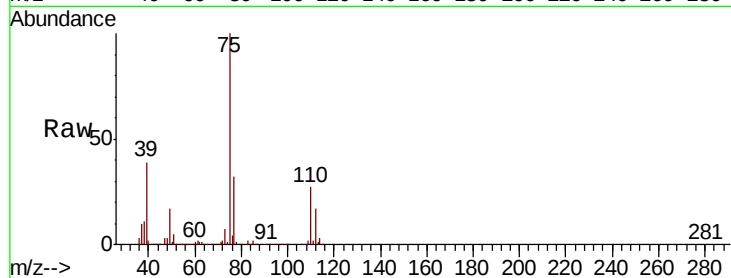
VSTDIC150

Tot Ion: 75 Resp: 654843

Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 152.243 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

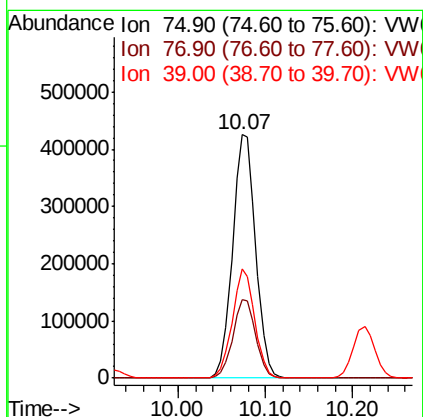
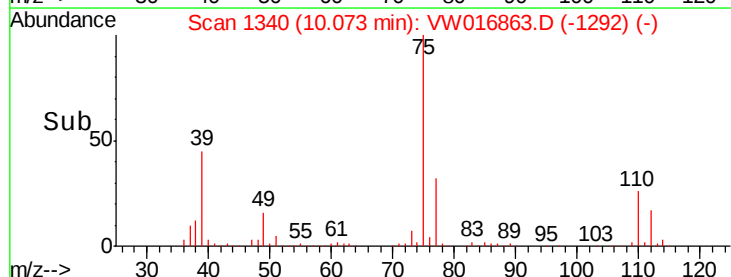
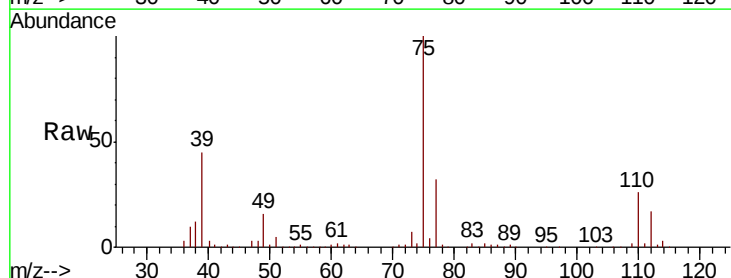
Tgt Ion: 75 Resp: 780166

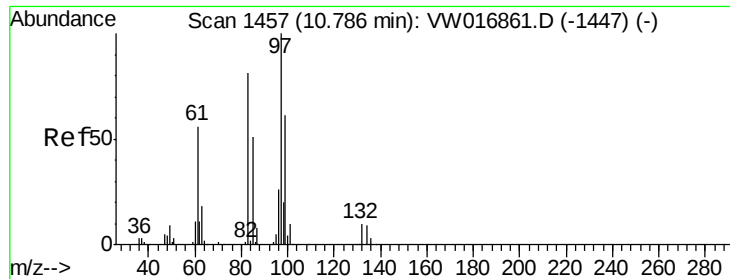
Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6

39 44.8 32.9 49.3

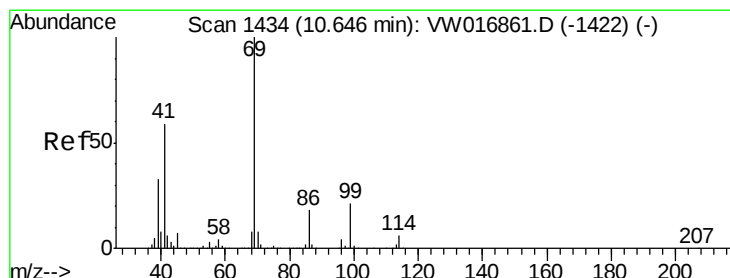
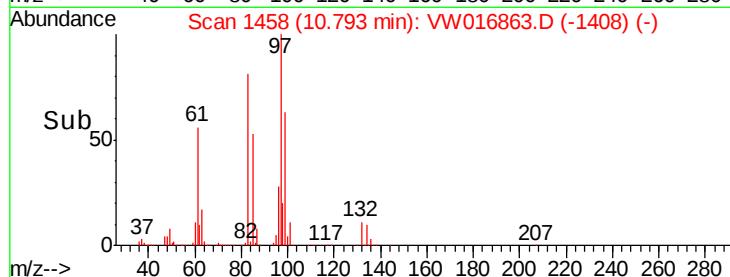
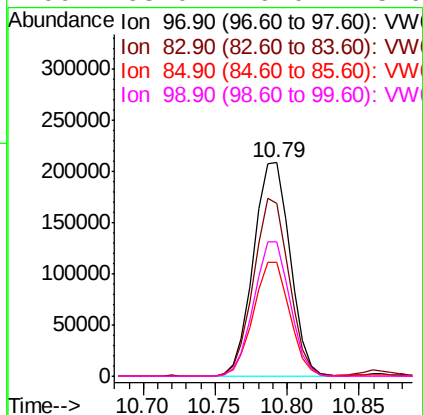
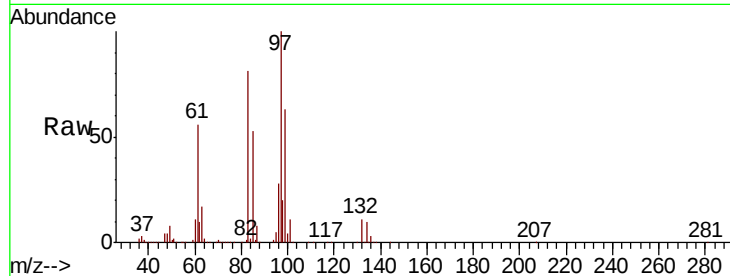




#55
 1,1,2-Trichloroethane
 Concen: 139.634 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

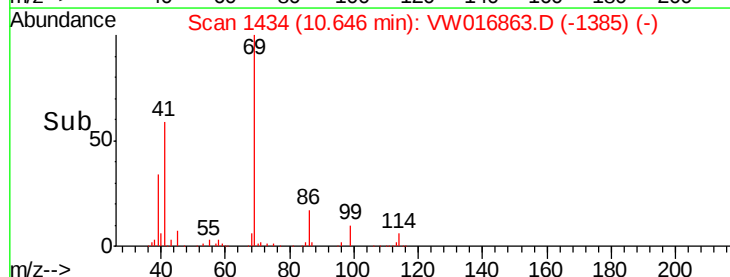
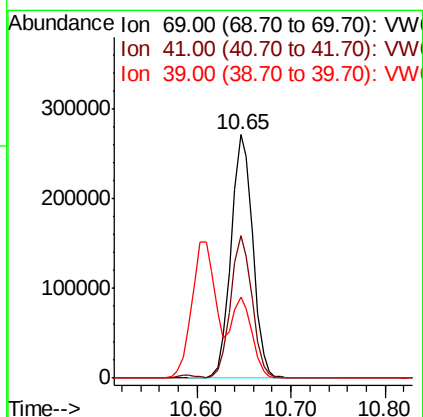
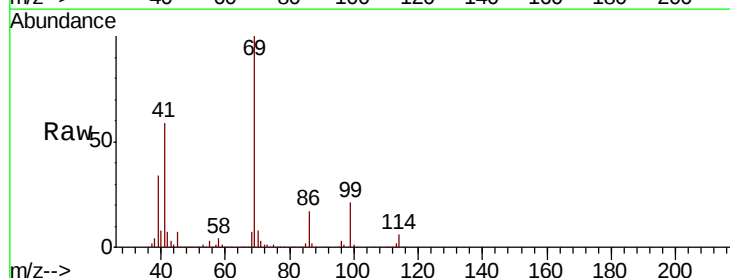
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

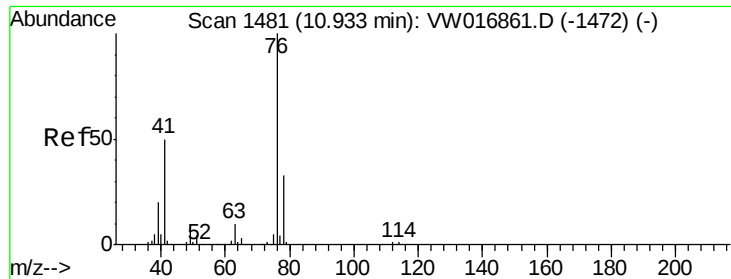
Tot Ion:	97	Resp:	368385
Ion	Ratio	Lower	Upper
97	100		
83	80.9	64.6	97.0
85	53.4	40.6	61.0
99	63.0	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 150.607 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion:	69	Resp:	432243
Ion	Ratio	Lower	Upper
69	100		
41	57.8	46.3	69.5
39	32.2	25.9	38.9

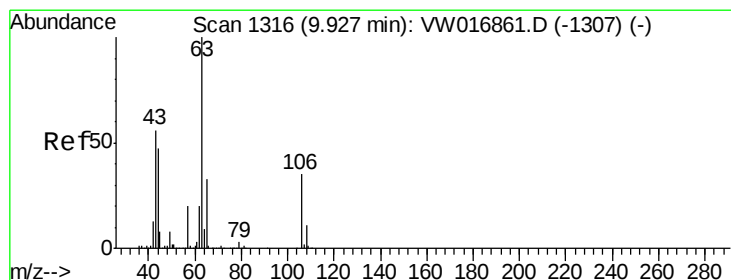
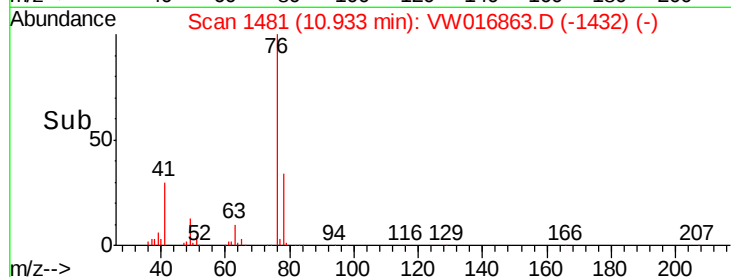
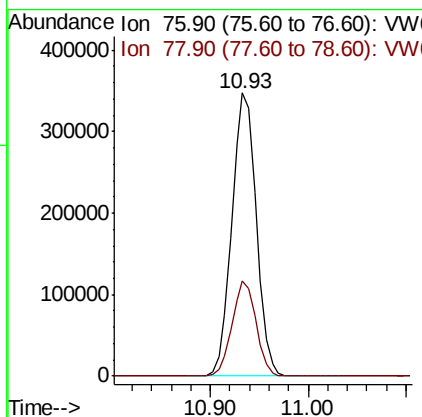
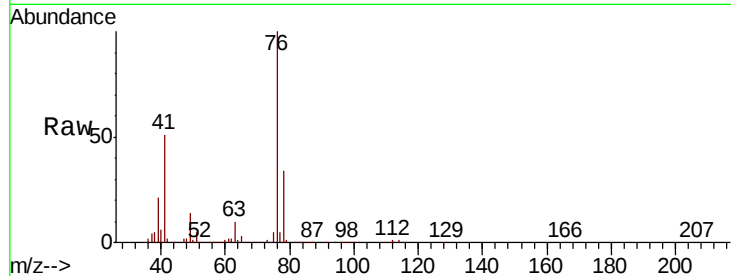




#57
 1,3-Dichloropropane
 Concen: 137.770 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

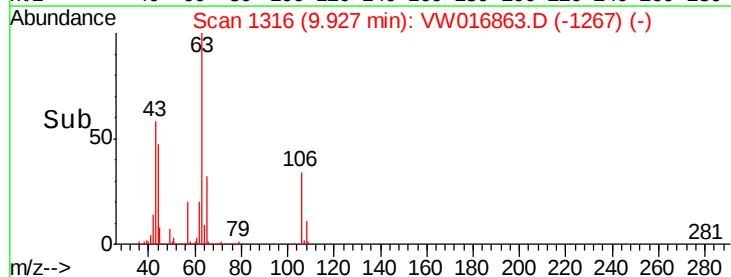
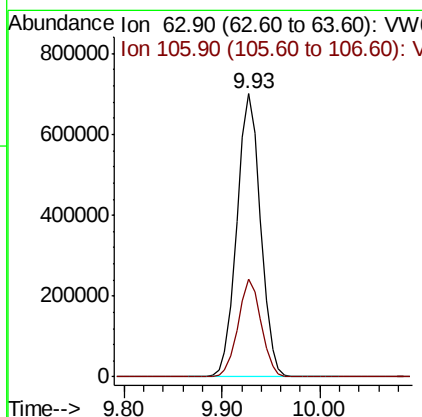
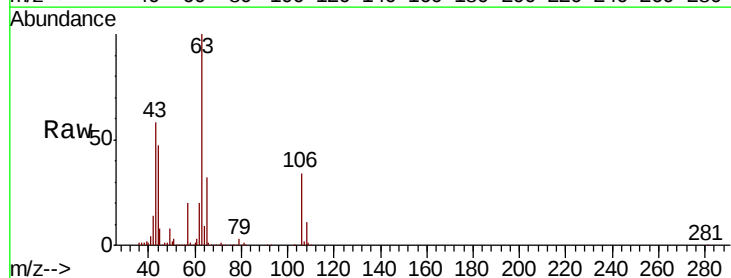
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

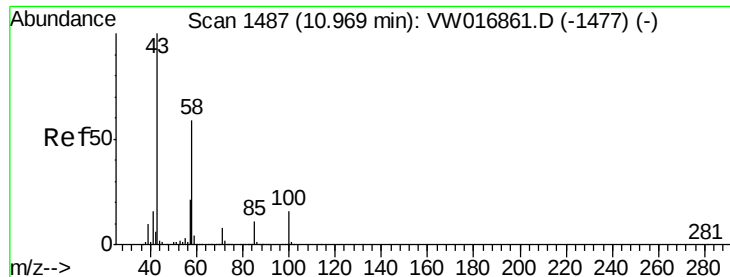
Tot Ion: 76 Resp: 601334
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 740.115 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion: 63 Resp: 1177077
 Ion Ratio Lower Upper
 63 100
 106 33.7 27.0 40.4

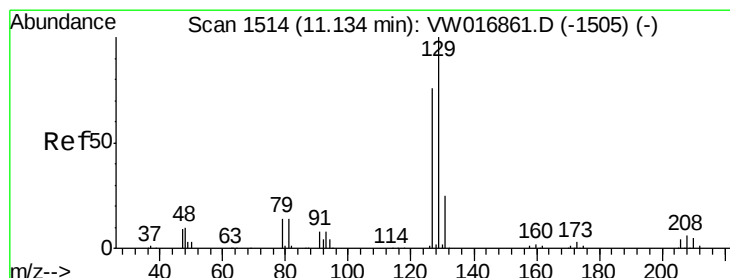
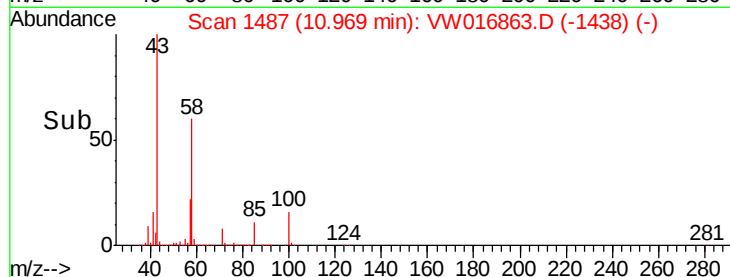
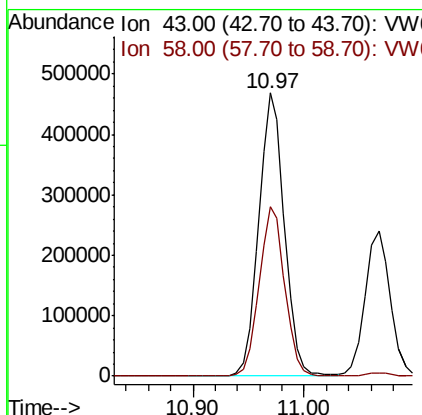
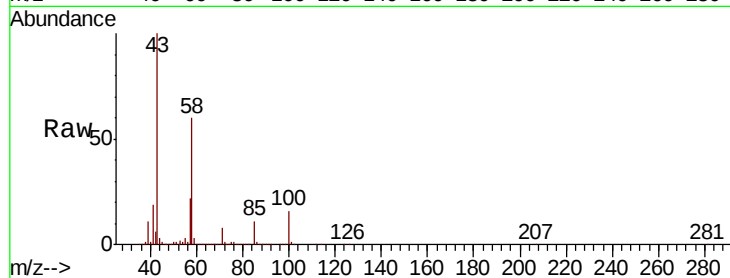




#59
2-Hexanone
Concen: 703.969 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

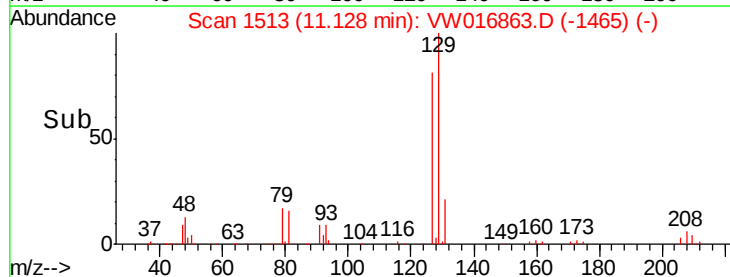
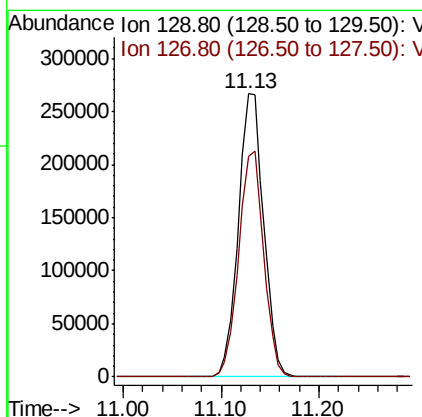
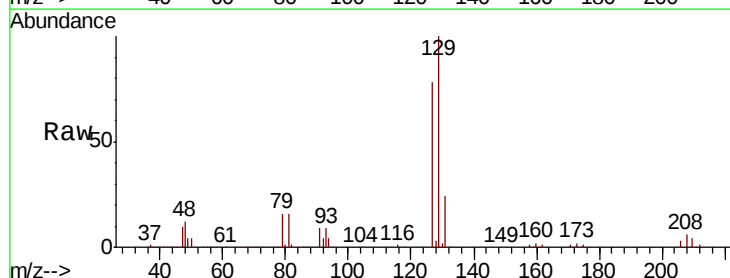
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

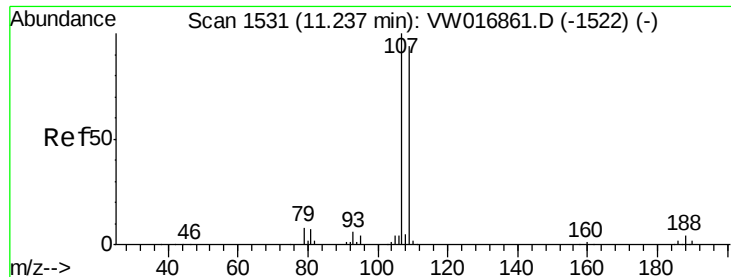
Tot Ion: 43 Resp: 752128
Ion Ratio Lower Upper
43 100
58 59.8 29.5 88.5



#60
Dibromochloromethane
Concen: 147.699 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion: 129 Resp: 477936
Ion Ratio Lower Upper
129 100
127 78.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 139.026 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

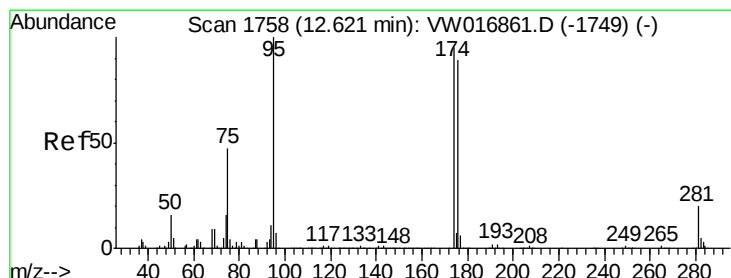
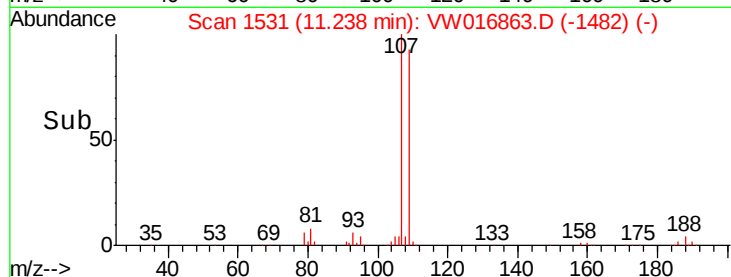
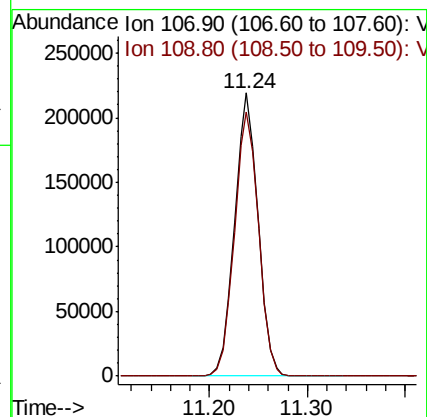
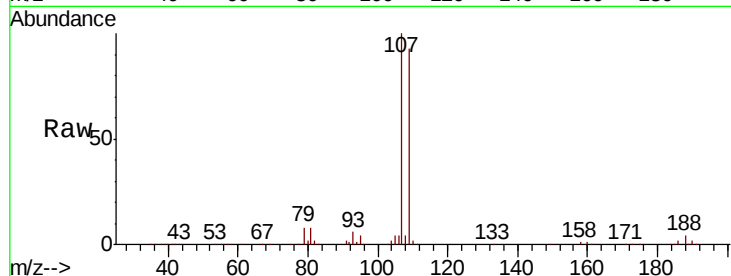
VSTDIC150

Tot Ion: 107 Resp: 363231

Ion Ratio Lower Upper

107 100

109 95.6 74.7 112.1



#62

4-Bromofluorobenzene

Concen: 153.692 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

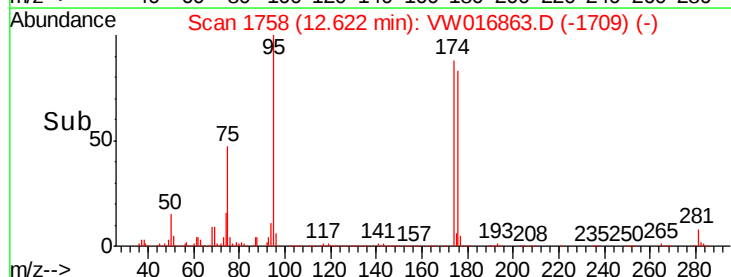
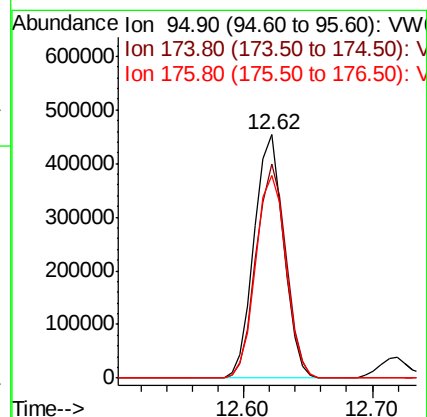
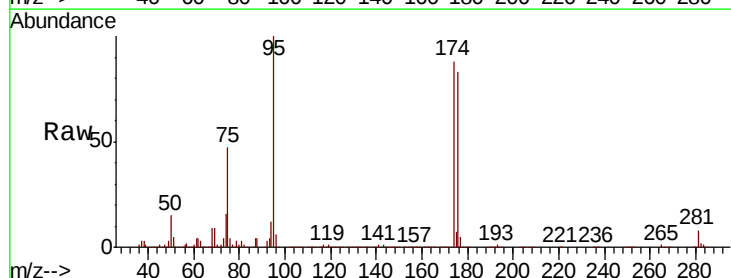
Tgt Ion: 95 Resp: 718528

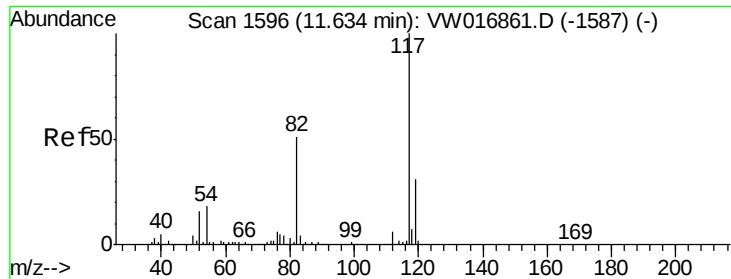
Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.6

176 85.8 0.0 177.6

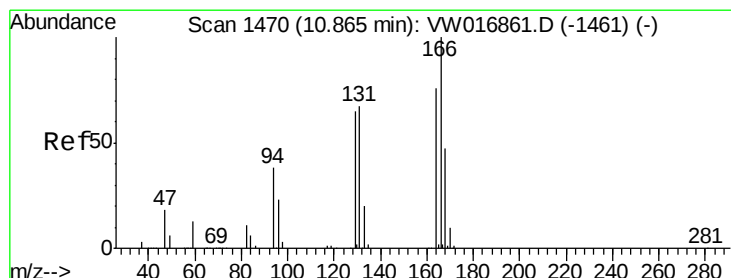
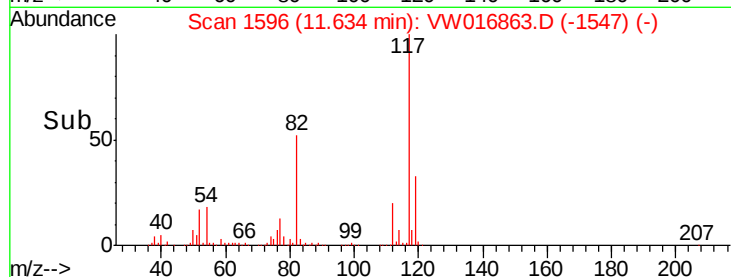
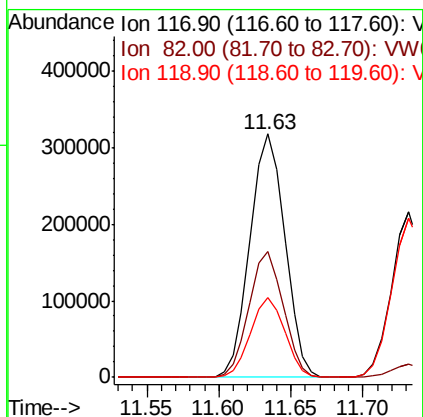
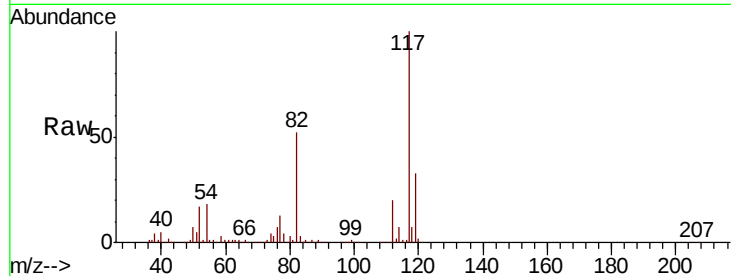




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

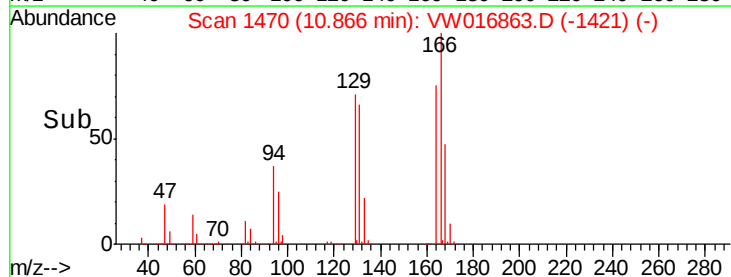
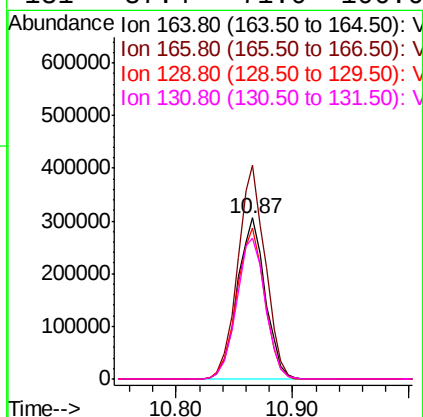
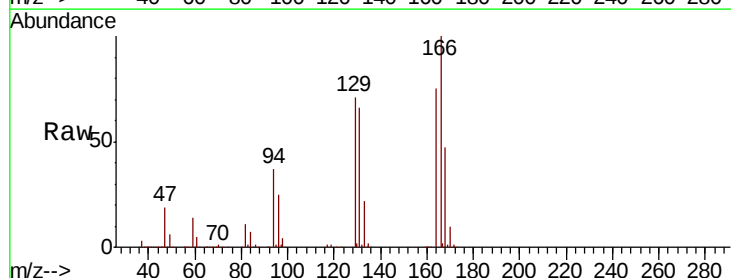
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

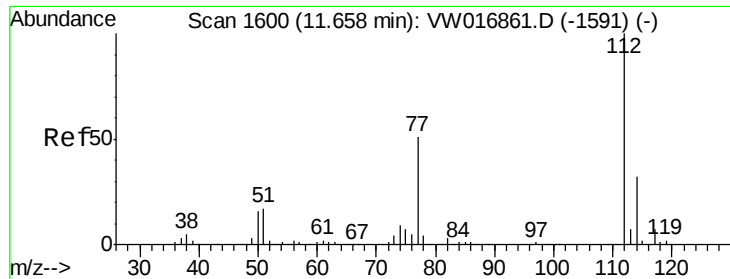
Tot Ion:117 Resp: 532917
Ion Ratio Lower Upper
117 100
82 51.8 40.7 61.1
119 32.5 25.0 37.4



#64
Tetrachloroethene
Concen: 134.146 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion:164 Resp: 509329
Ion Ratio Lower Upper
164 100
166 132.6 105.3 157.9
129 93.8 68.8 103.2
131 87.4 71.0 106.6

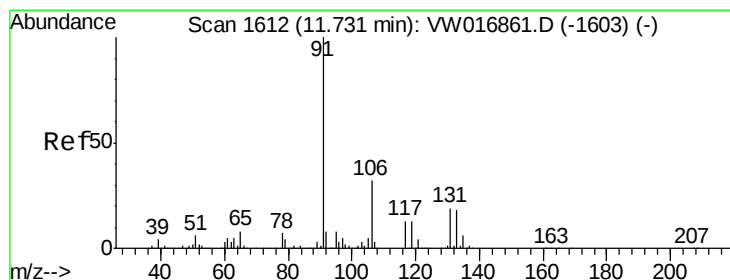
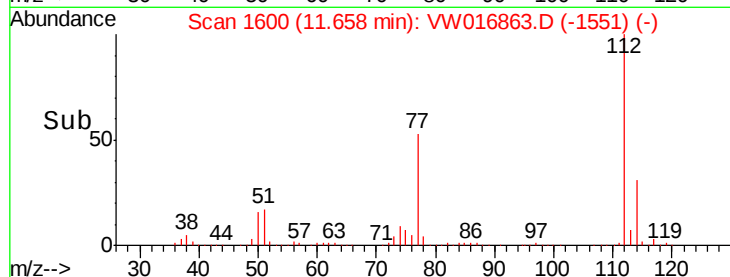
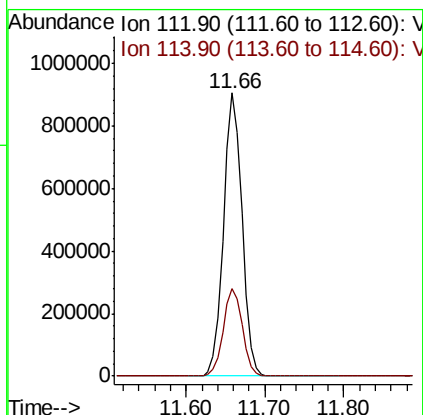
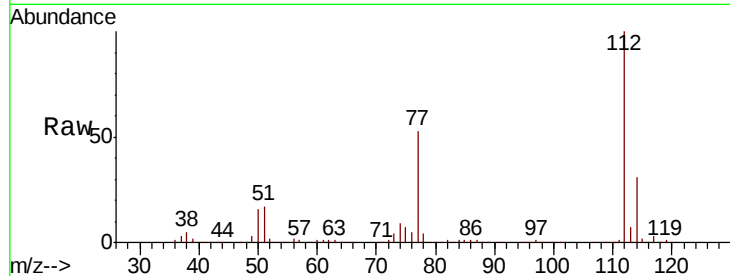




#65
Chlorobenzene
Concen: 140.576 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

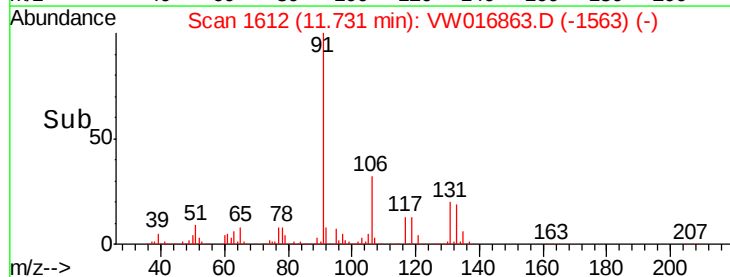
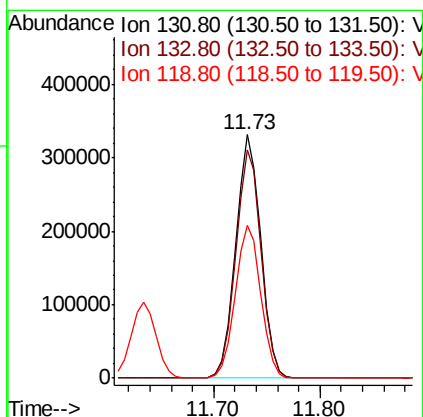
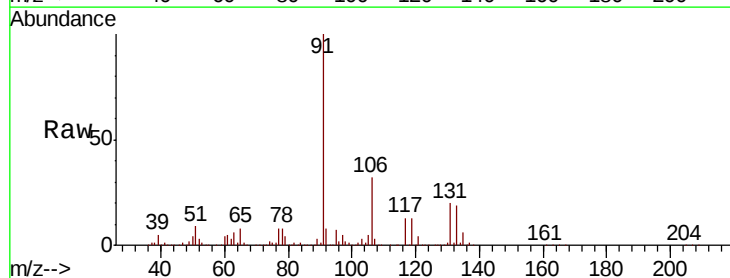
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

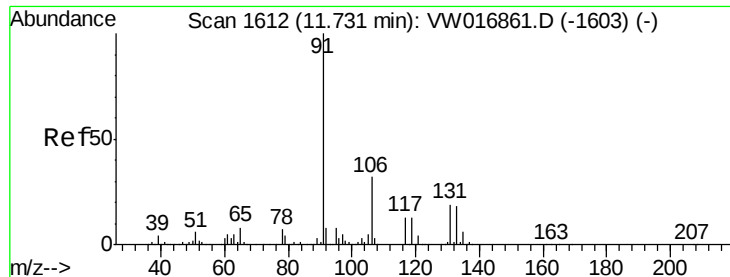
Tot Ion:112 Resp: 1469424
Ion Ratio Lower Upper
112 100
114 30.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 147.492 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion:131 Resp: 545220
Ion Ratio Lower Upper
131 100
133 95.0 48.1 144.3
119 64.0 32.5 97.4

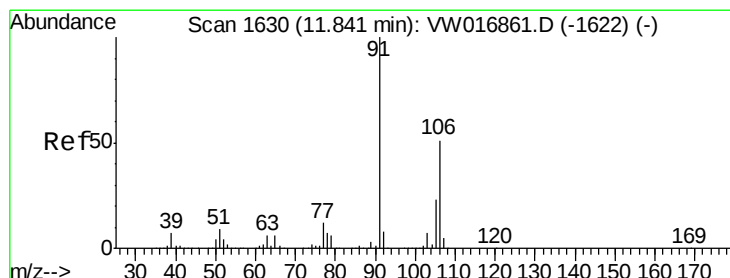
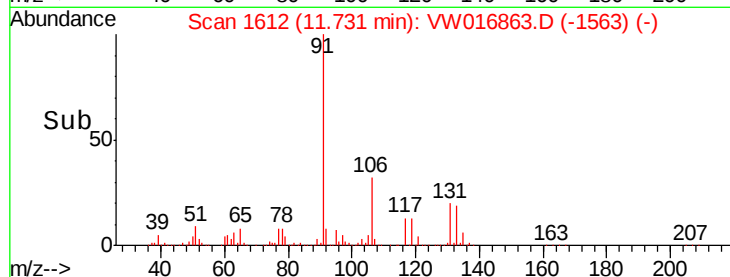
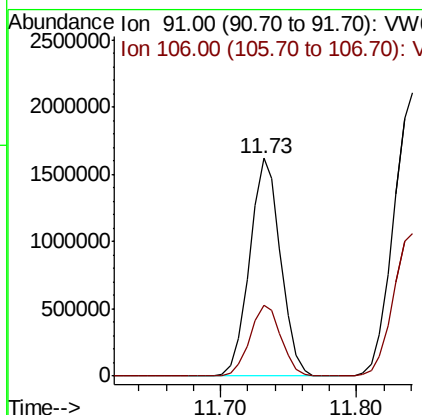
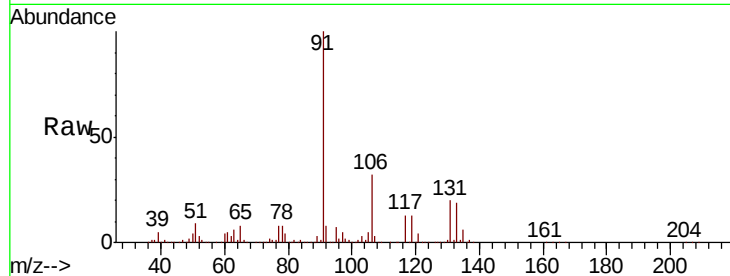




#67
Ethyl Benzene
Concen: 141.724 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

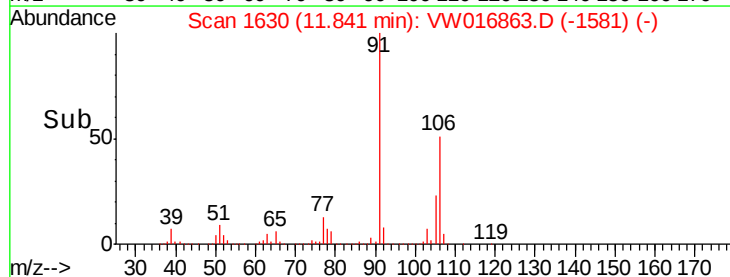
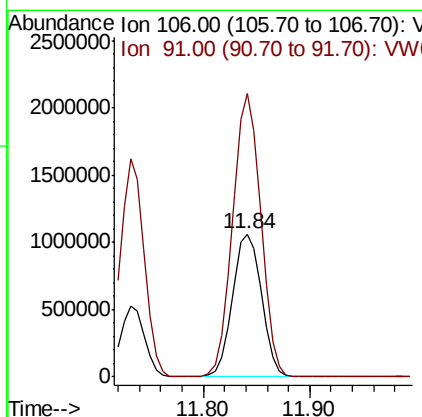
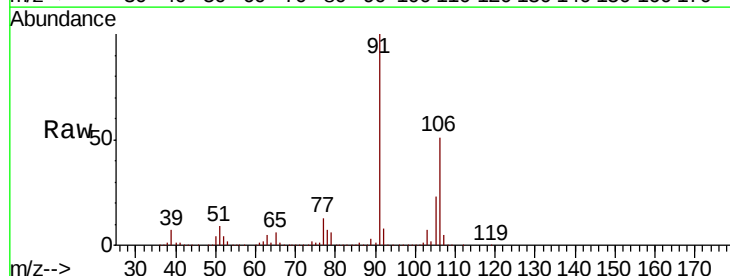
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

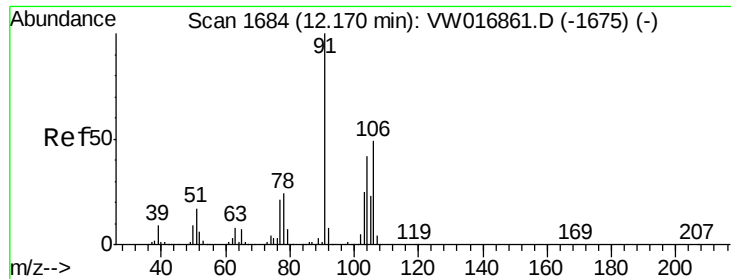
Tot Ion: 91 Resp: 2581459
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9



#68
m/p-Xylenes
Concen: 286.249 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion: 106 Resp: 2027839
Ion Ratio Lower Upper
106 100
91 193.3 157.4 236.0

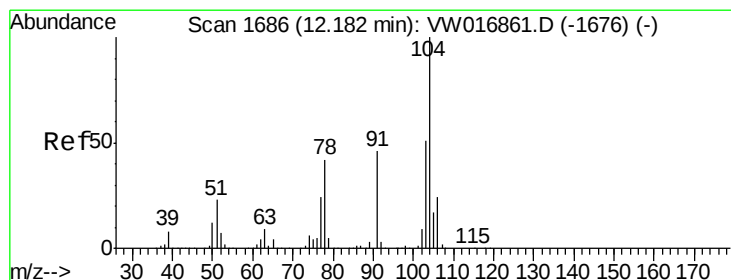
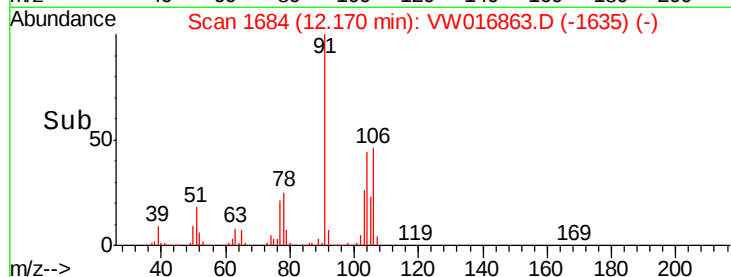
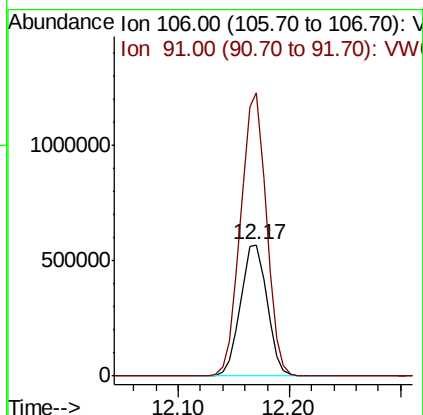
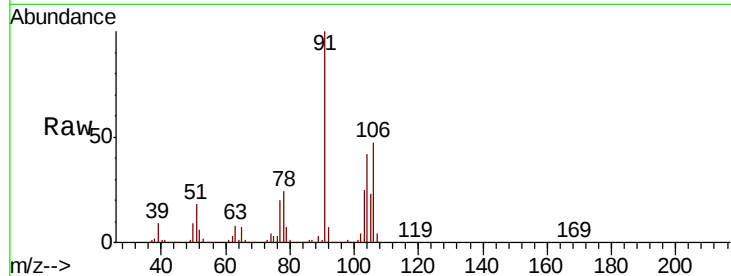




#69
o-Xylene
Concen: 145.912 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

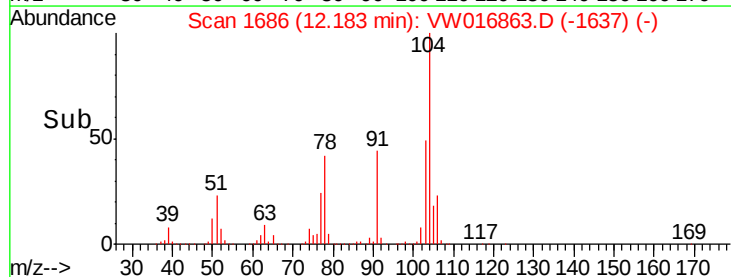
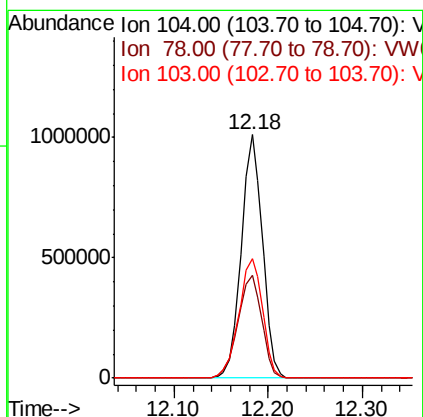
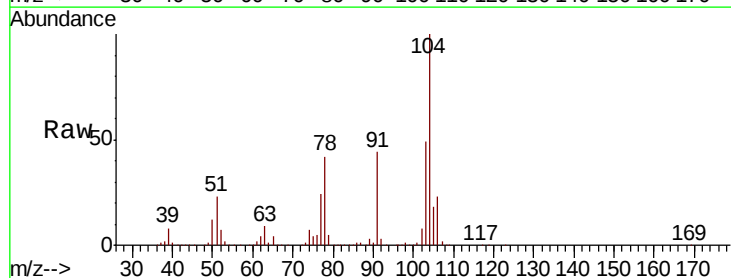
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

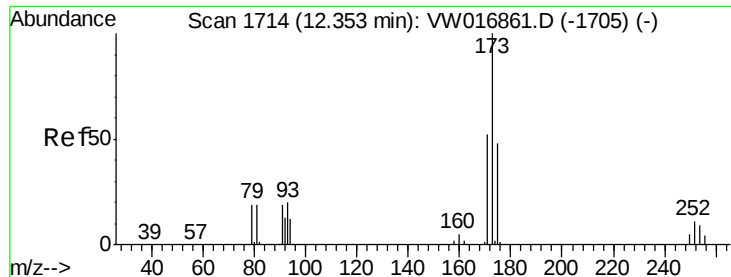
Tot Ion:106 Resp: 948563
Ion Ratio Lower Upper
106 100
91 208.1 103.6 310.9



#70
Styrene
Concen: 146.695 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion:104 Resp: 1587193
Ion Ratio Lower Upper
104 100
78 47.5 37.6 56.4
103 54.9 43.6 65.4





#71

Bromoform

Concen: 149.872 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

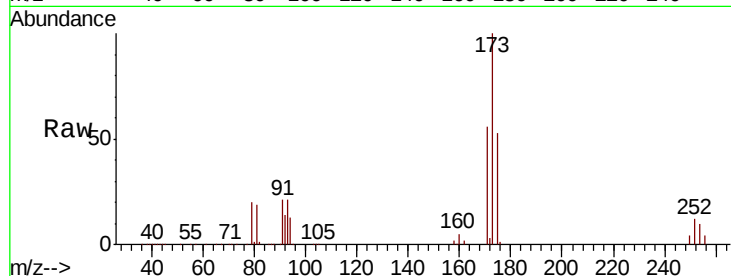
Tot Ion:173 Resp: 278137

Ion Ratio Lower Upper

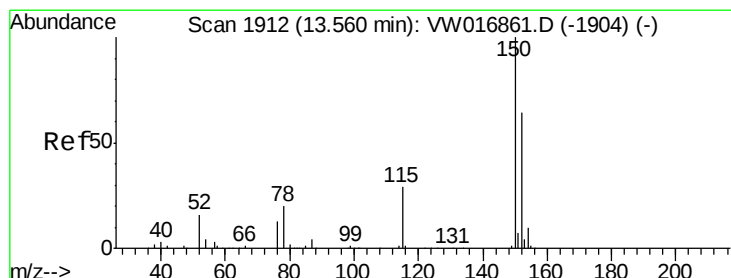
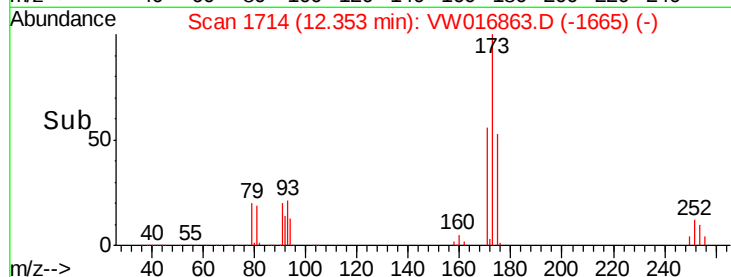
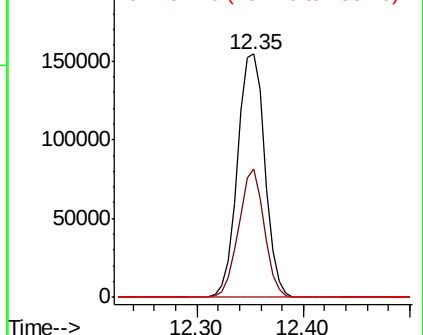
173 100

175 49.4 24.7 74.1

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

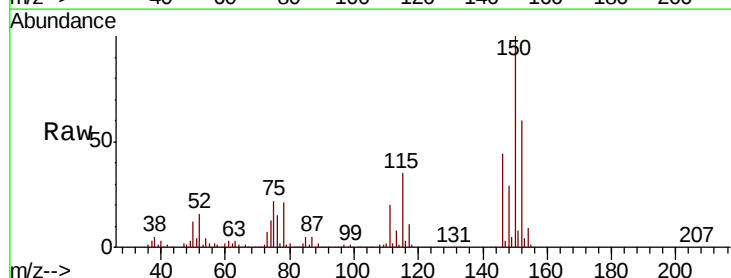
Tgt Ion:152 Resp: 259091

Ion Ratio Lower Upper

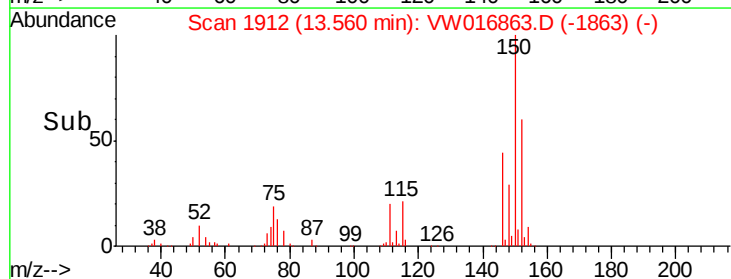
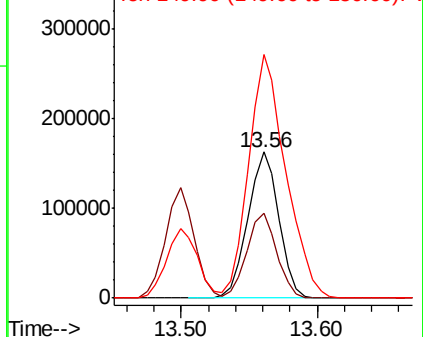
152 100

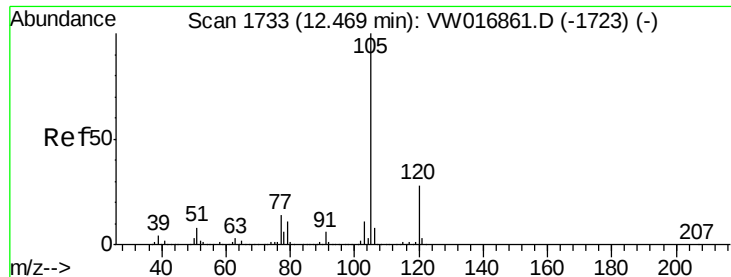
115 56.8 27.9 83.7

150 200.3 0.0 344.0



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: 151.817 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

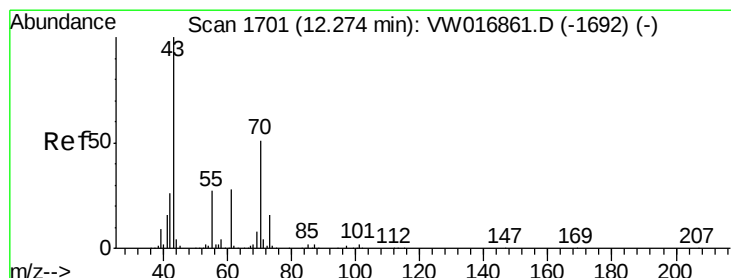
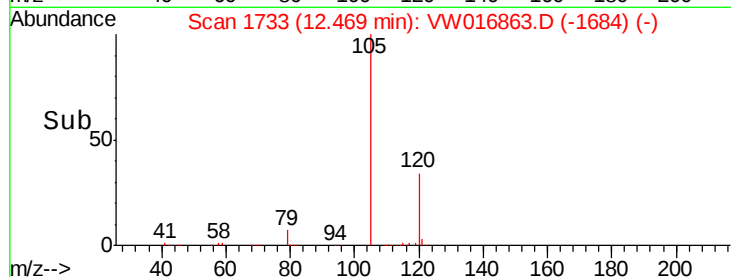
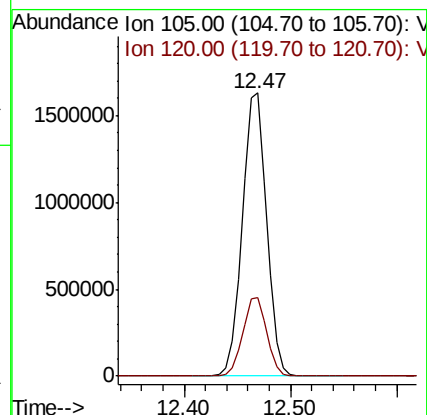
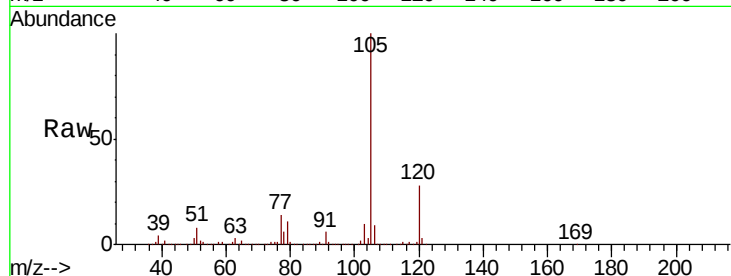
VSTDIC150

Tot Ion:105 Resp: 2614419

Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.7



#74

N-ethyl acetate

Concen: 153.567 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Tgt Ion: 43 Resp: 424785

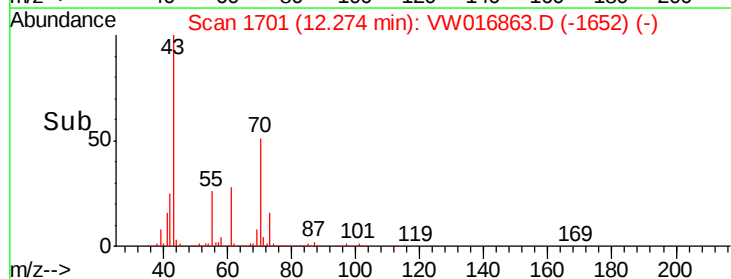
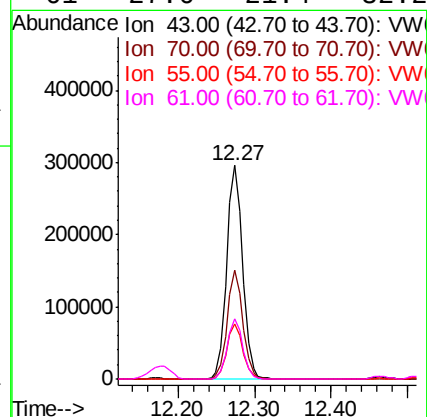
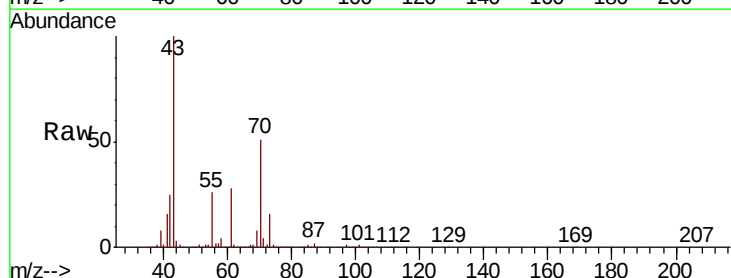
Ion Ratio Lower Upper

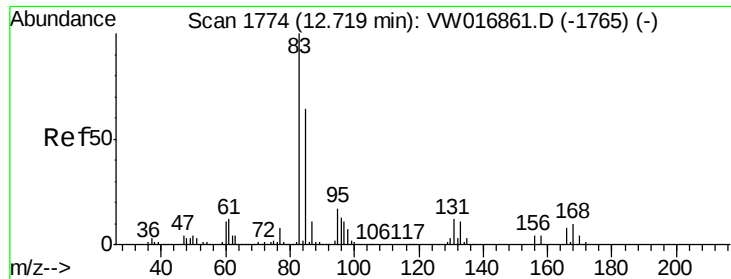
43 100

70 50.3 40.2 60.4

55 26.1 21.4 32.0

61 27.6 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 140.702 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

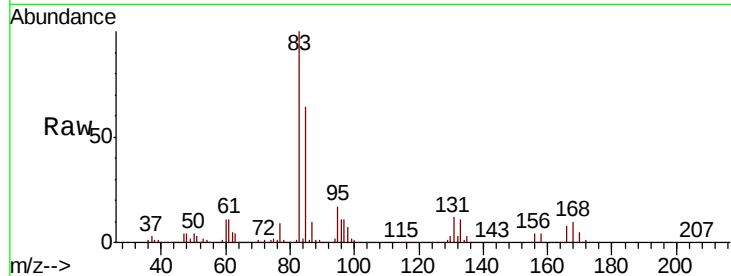
Tot Ion: 83 Resp: 380174

Ion Ratio Lower Upper

83 100

131 12.1 6.1 18.3

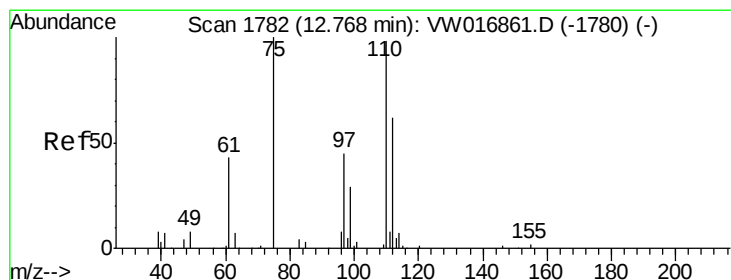
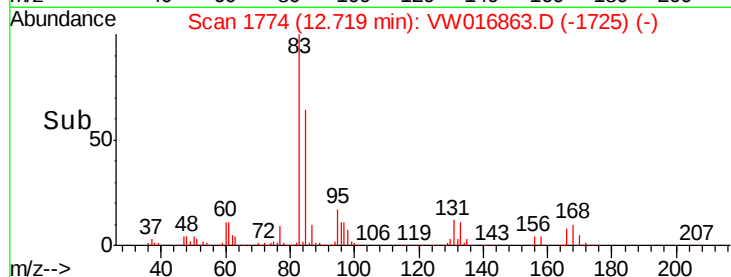
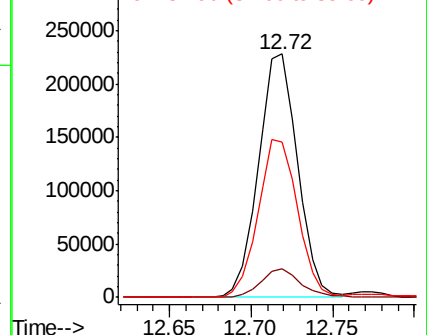
85 65.0 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 293.490 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016863.D

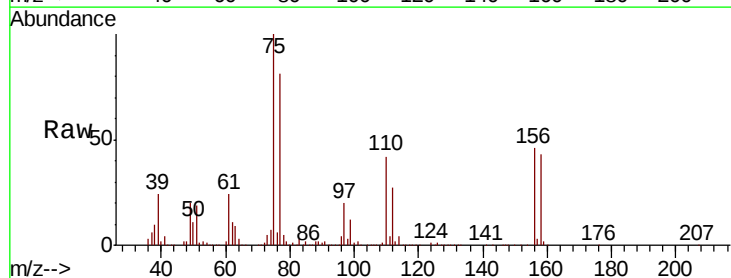
Acq: 09 Oct 2020 15:46

Tgt Ion: 75 Resp: 490557

Ion Ratio Lower Upper

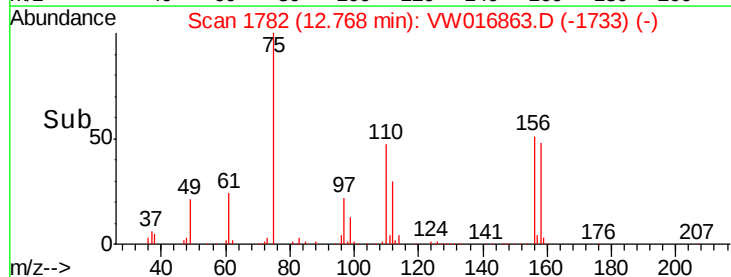
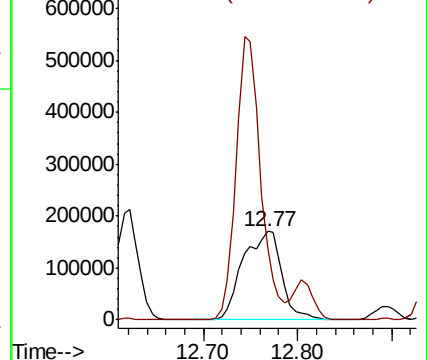
75 100

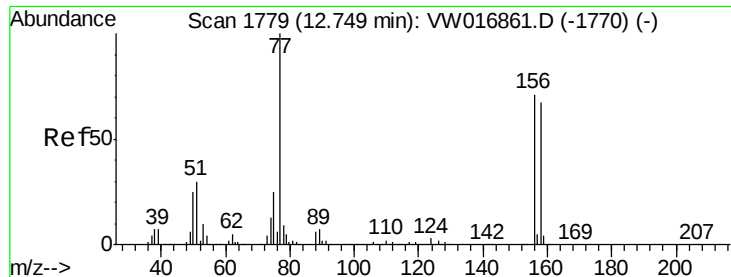
77 0.0 178.8 536.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 148.596 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

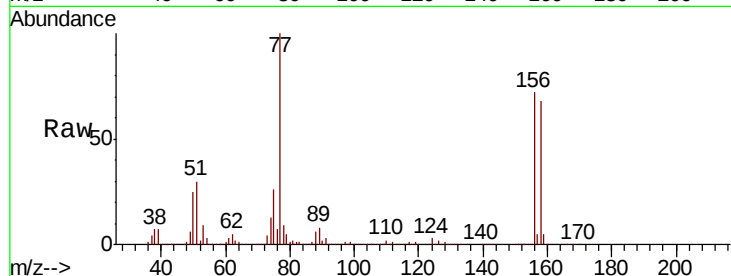
Tot Ion:156 Resp: 632560

Ion Ratio Lower Upper

156 100

77 157.1 79.0 237.2

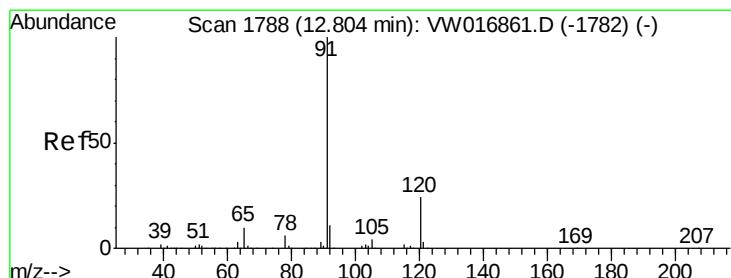
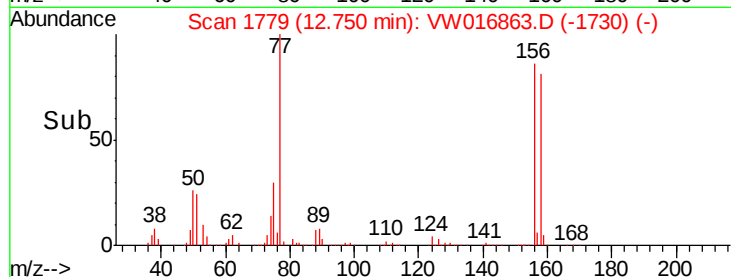
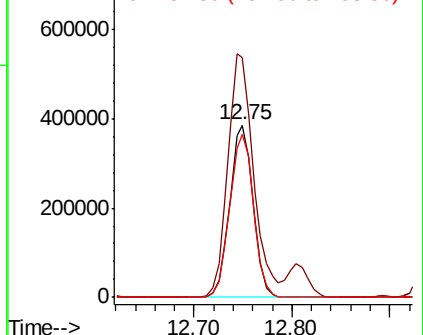
158 96.2 47.0 141.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 148.833 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016863.D

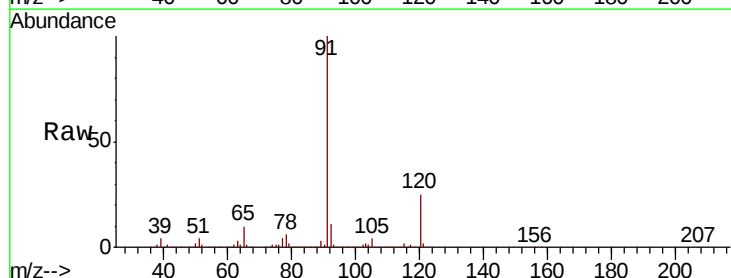
Acq: 09 Oct 2020 15:46

Tgt Ion: 91 Resp: 2955839

Ion Ratio Lower Upper

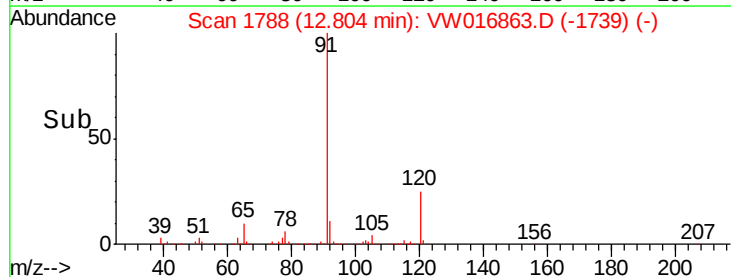
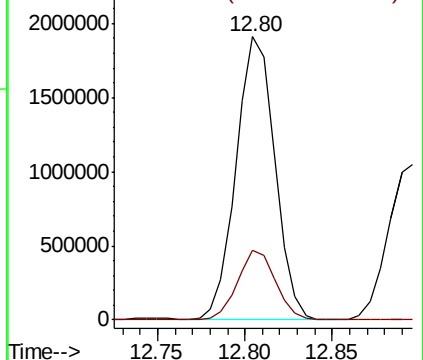
91 100

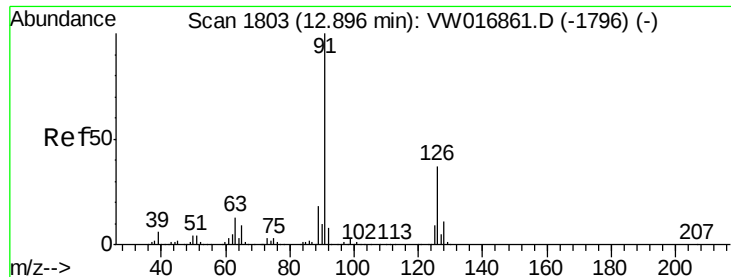
120 24.2 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 150.194 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

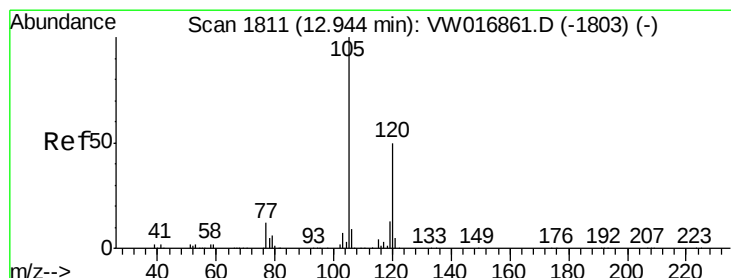
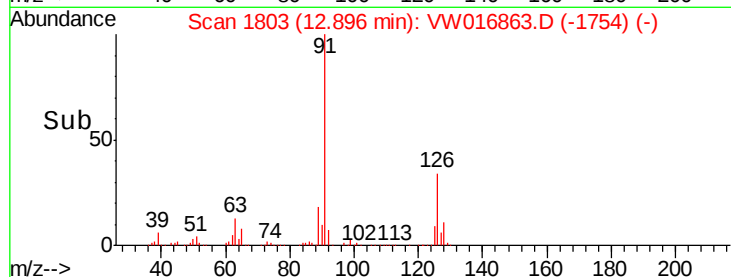
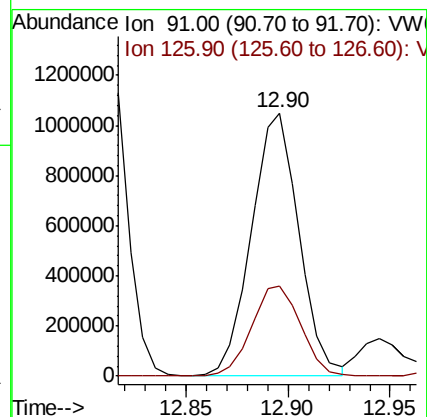
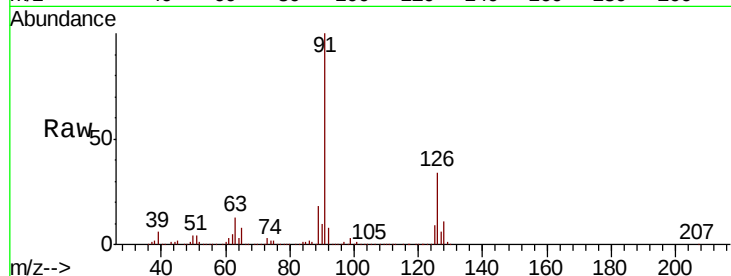
VSTDIC150

Tot Ion: 91 Resp: 1701583

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 149.205 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016863.D

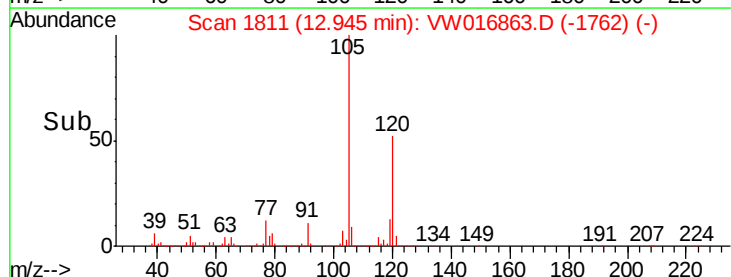
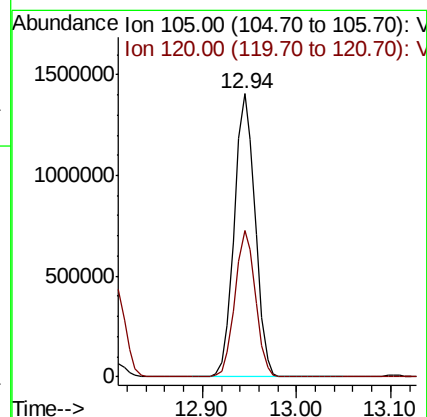
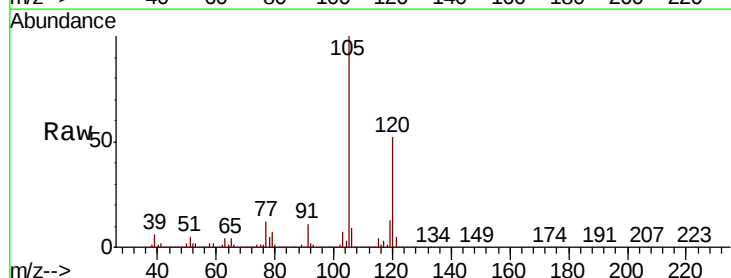
Acq: 09 Oct 2020 15:46

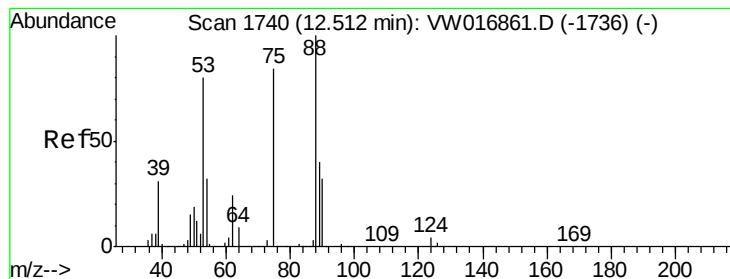
Tgt Ion:105 Resp: 2153324

Ion Ratio Lower Upper

105 100

120 50.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 168.656 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

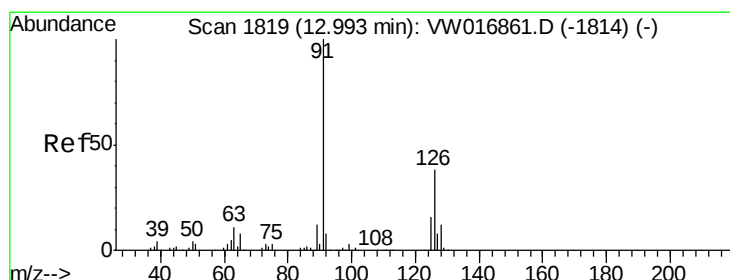
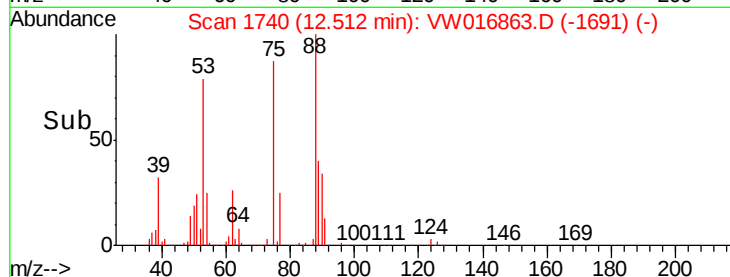
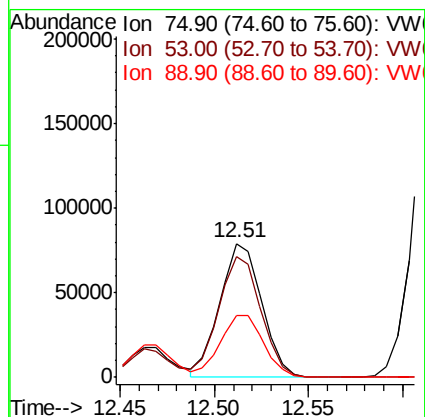
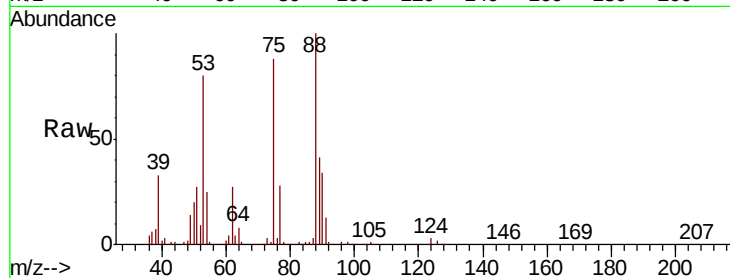
Tot Ion: 75 Resp: 121304

Ion Ratio Lower Upper

75 100

53 91.9 77.0 115.4

89 48.3 38.7 58.1



#82

4-Chlorotoluene

Concen: 147.933 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW016863.D

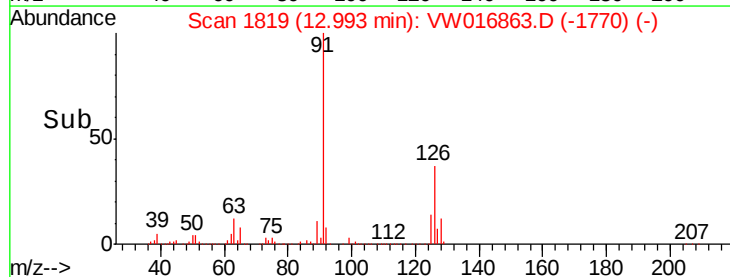
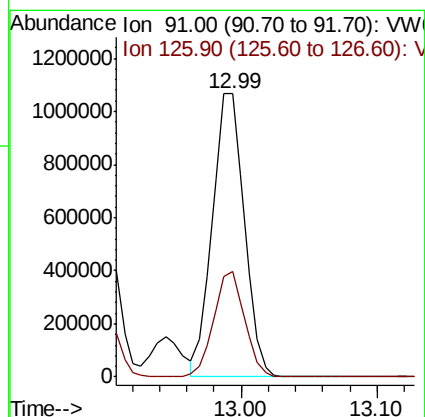
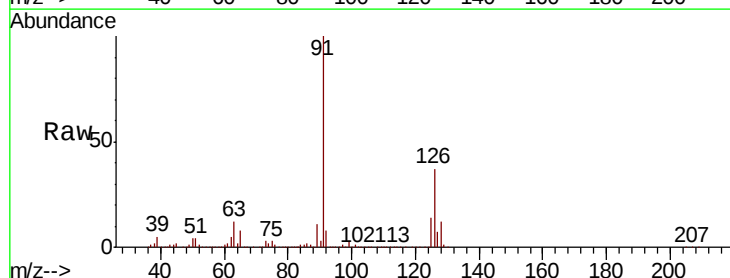
Acq: 09 Oct 2020 15:46

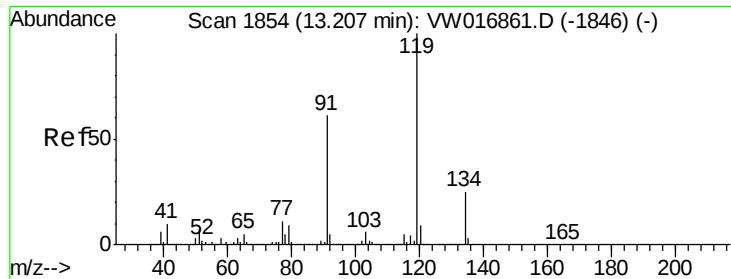
Tgt Ion: 91 Resp: 1730139

Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.3

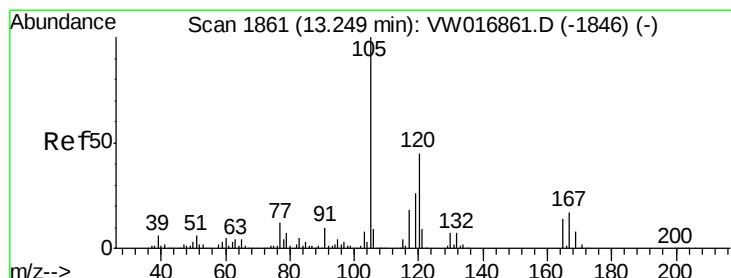
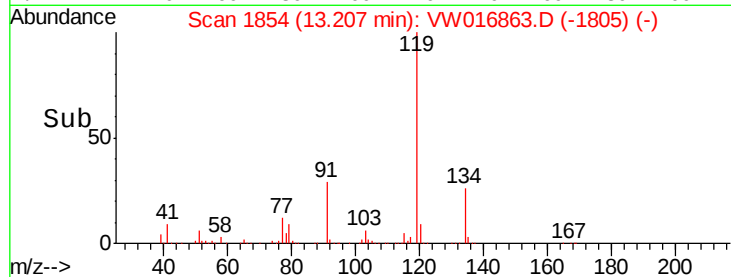
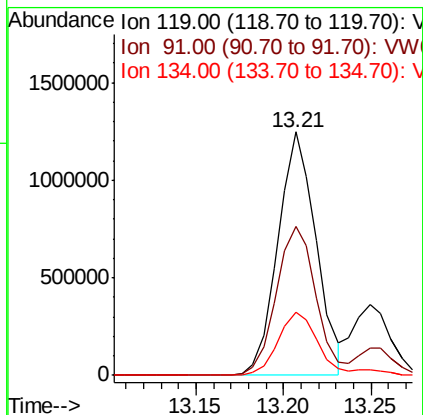
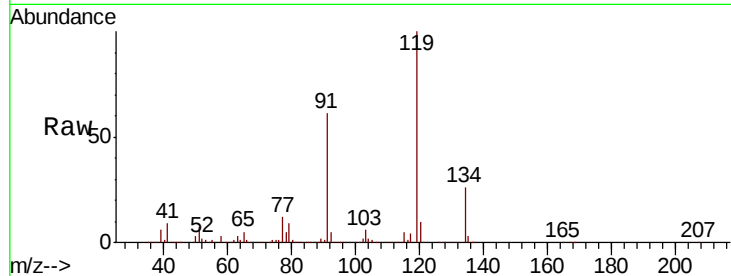




#83
tert-Butylbenzene
Concen: 152.076 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

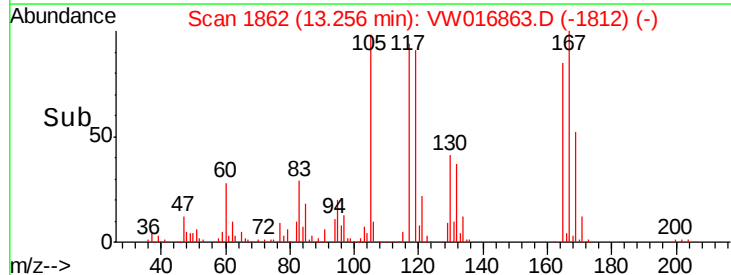
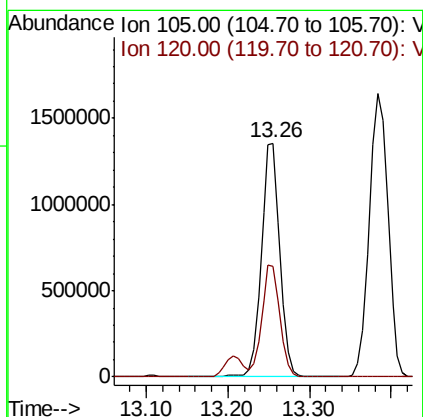
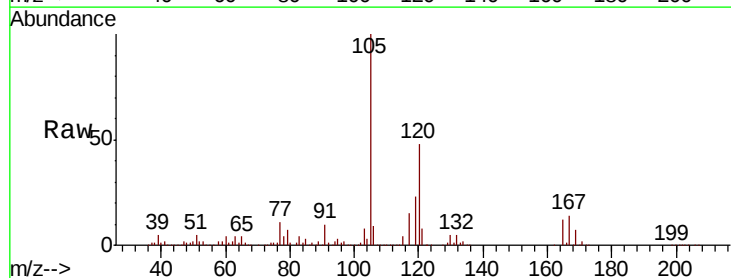
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

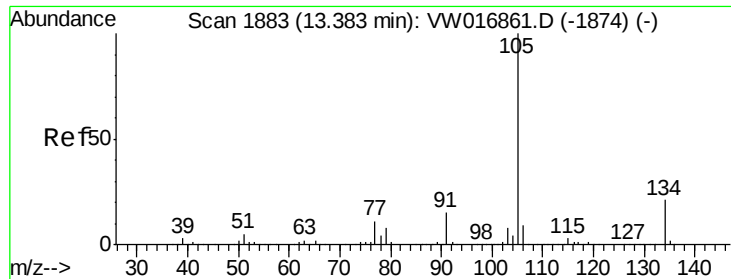
Tot Ion:119 Resp: 1906196
Ion Ratio Lower Upper
119 100
91 63.8 31.3 93.9
134 28.3 14.0 42.0



#84
1,2,4-Trimethylbenzene
Concen: 148.927 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion:105 Resp: 2141643
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.0

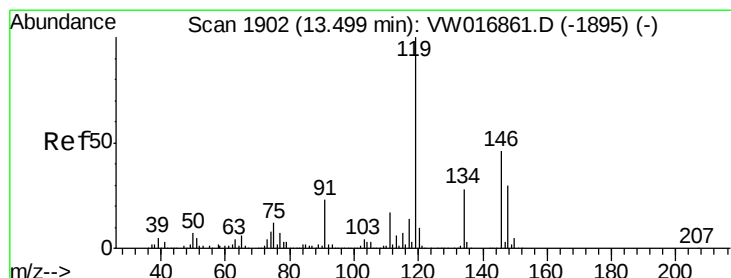
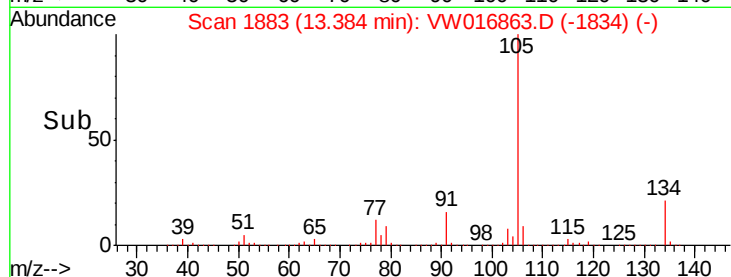
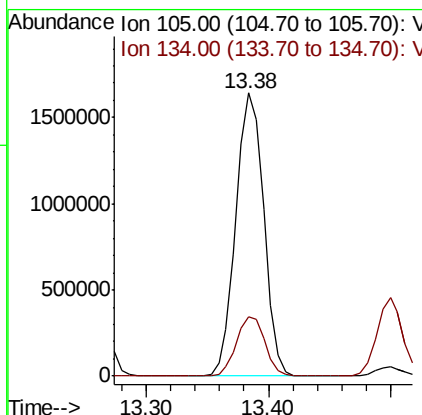
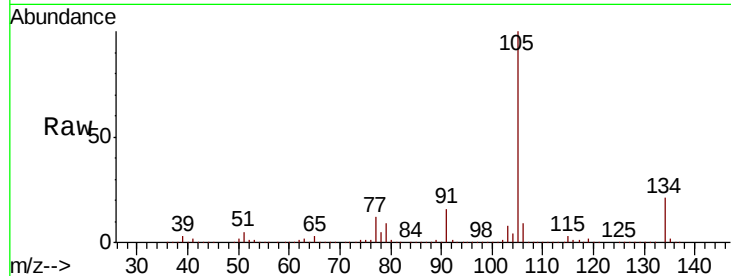




#85
 sec-Butylbenzene
 Concen: 148.475 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

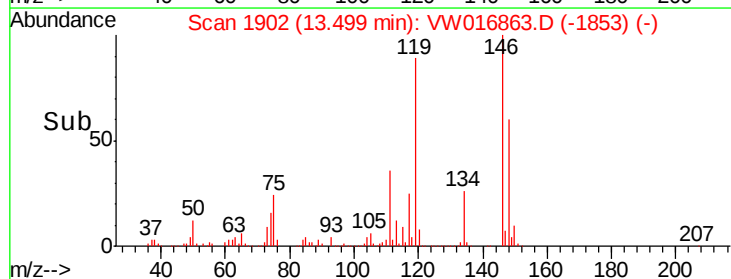
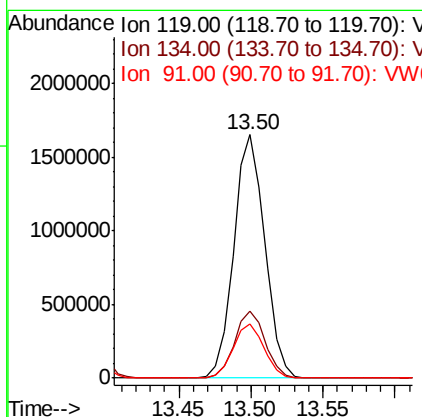
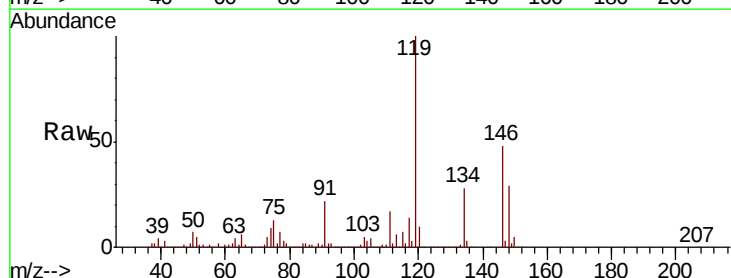
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

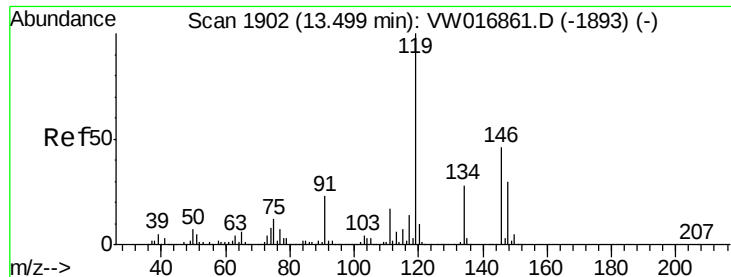
Tot Ion:105 Resp: 2590488
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 151.779 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion:119 Resp: 2465870
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.8 41.3
 91 22.3 11.3 33.9

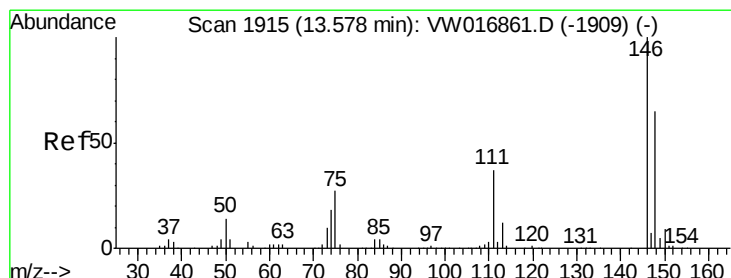
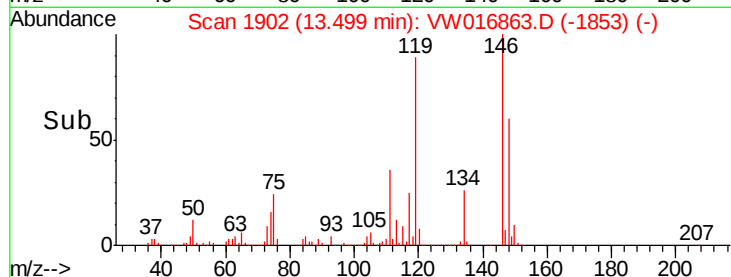
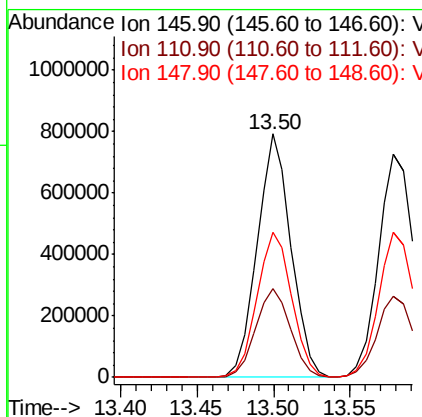
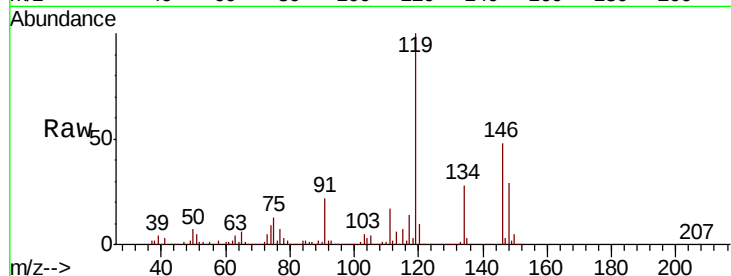




#87
 1,3-Dichlorobenzene
 Concen: 148.216 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

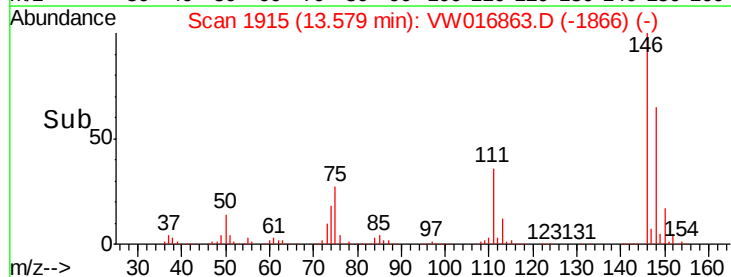
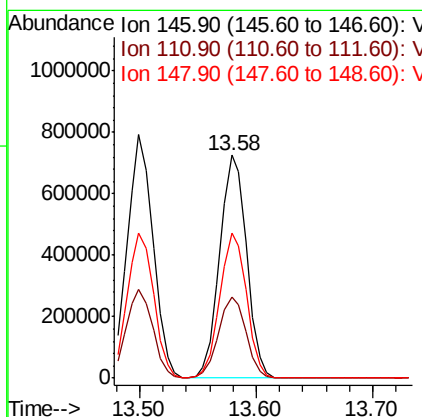
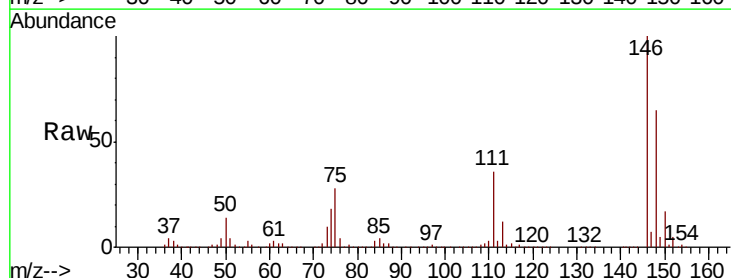
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

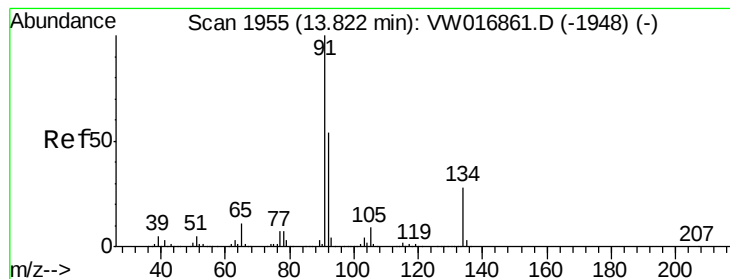
Tot Ion:146 Resp: 1220110
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.5
 148 61.2 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 142.867 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion:146 Resp: 1158957
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.5 55.5
 148 64.6 31.8 95.4





#89

n-Butylbenzene

Concen: 150.672 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

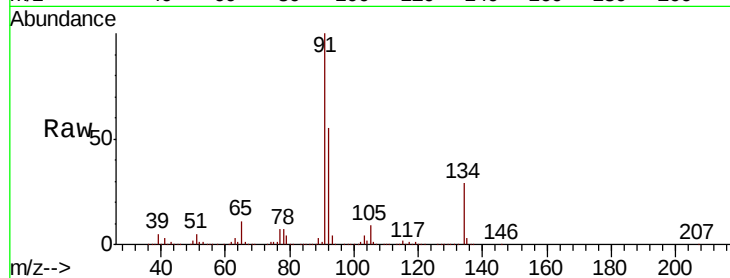
Tot Ion: 91 Resp: 2205246

Ion Ratio Lower Upper

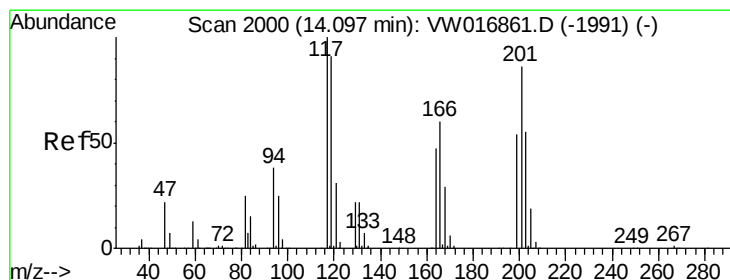
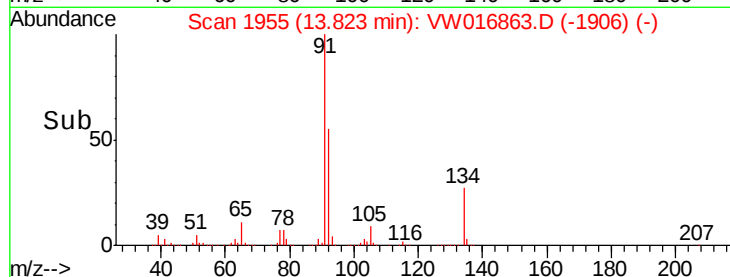
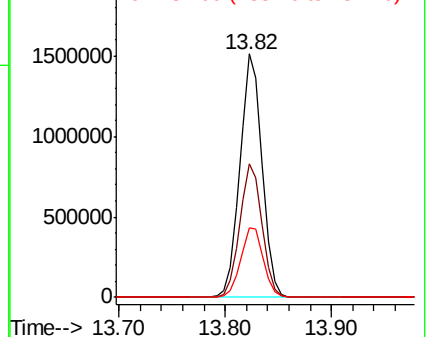
91 100

92 55.0 26.6 79.7

134 29.2 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 160.458 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW016863.D

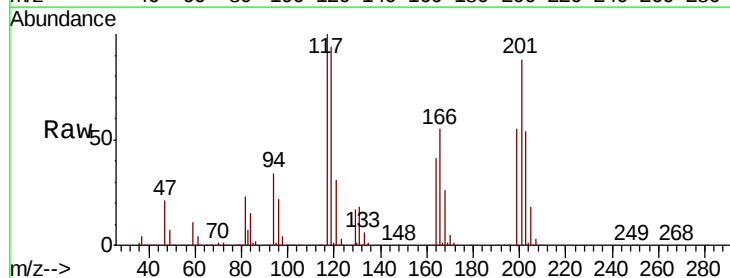
Acq: 09 Oct 2020 15:46

Tgt Ion: 117 Resp: 402247

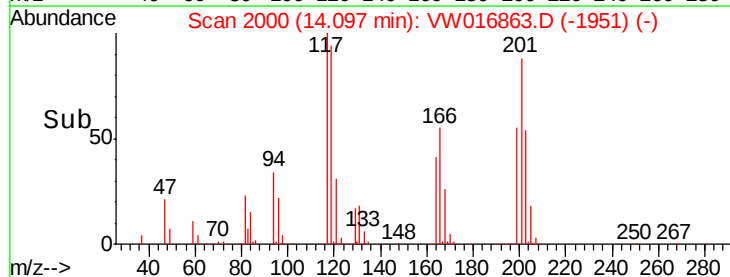
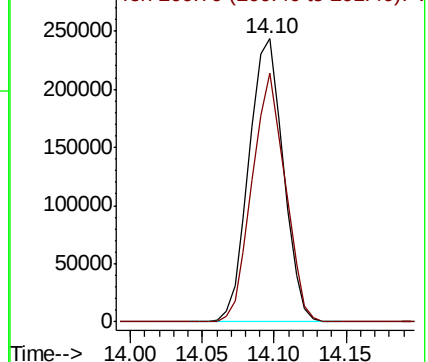
Ion Ratio Lower Upper

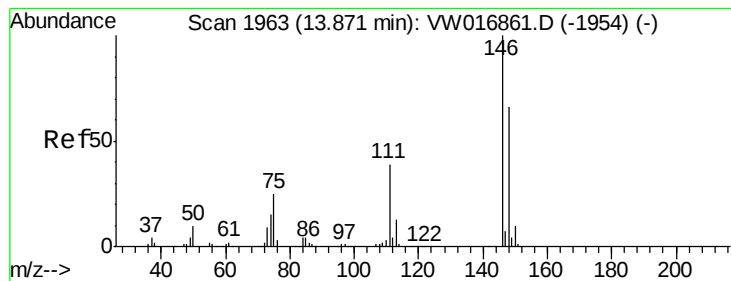
117 100

201 84.4 41.9 125.7



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





#91

1,2-Dichlorobenzene

Concen: 147.325 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

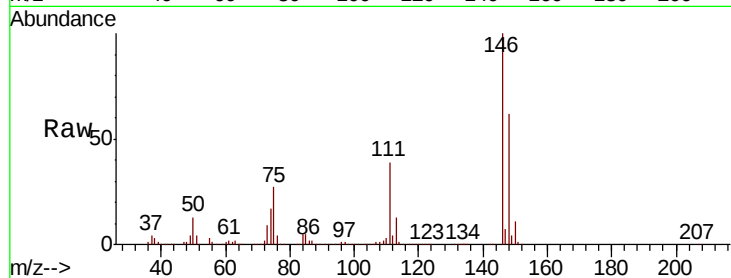
Tot Ion:146 Resp: 1046391

Ion Ratio Lower Upper

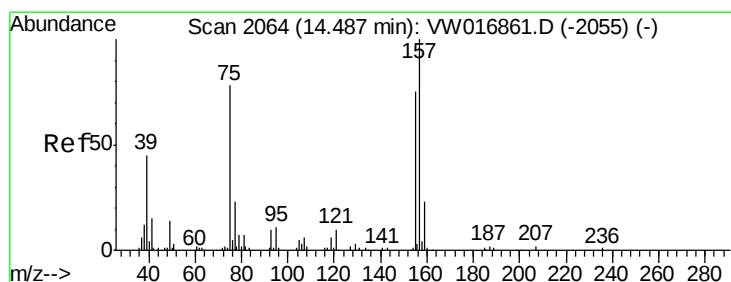
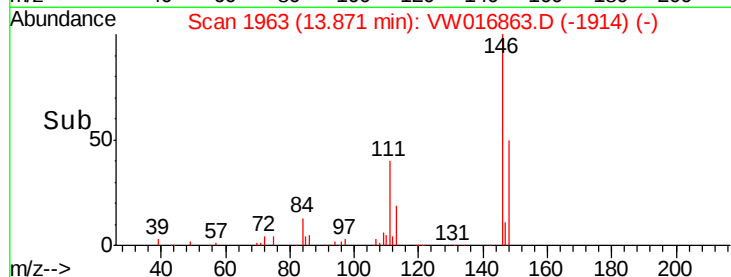
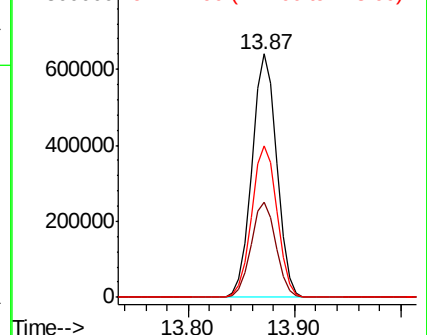
146 100

111 39.2 20.1 60.3

148 63.6 33.1 99.3



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: 149.177 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016863.D

Acq: 09 Oct 2020 15:46

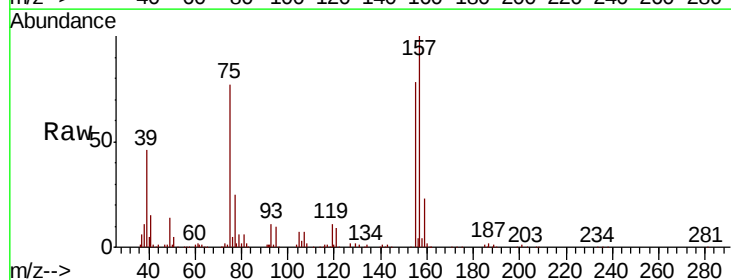
Tgt Ion: 75 Resp: 61727

Ion Ratio Lower Upper

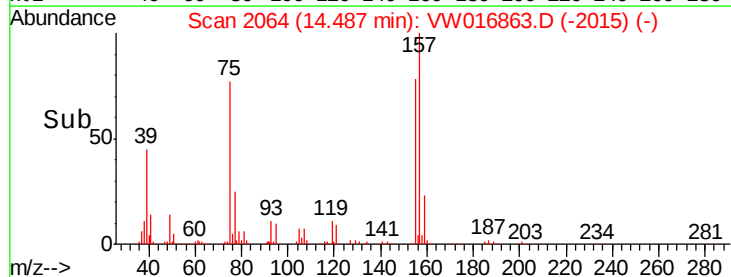
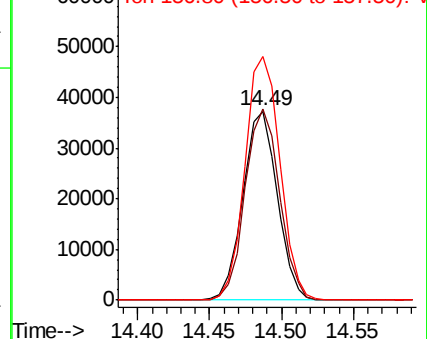
75 100

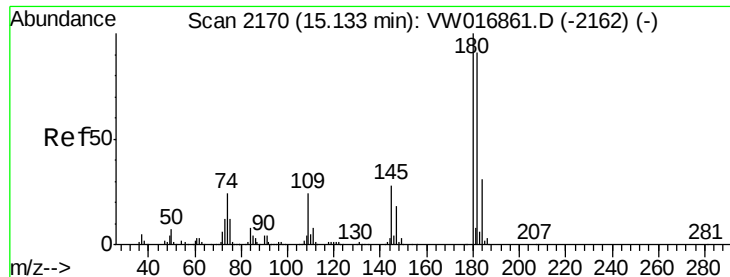
155 101.0 47.6 142.8

157 131.0 62.2 186.6



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

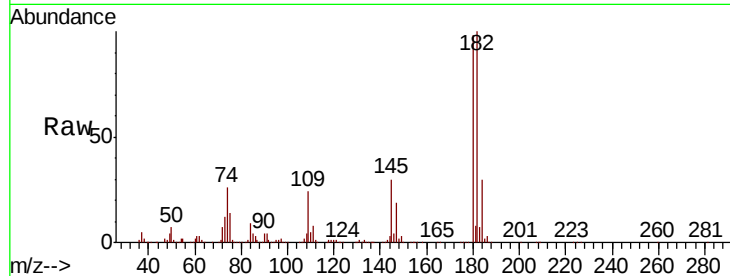




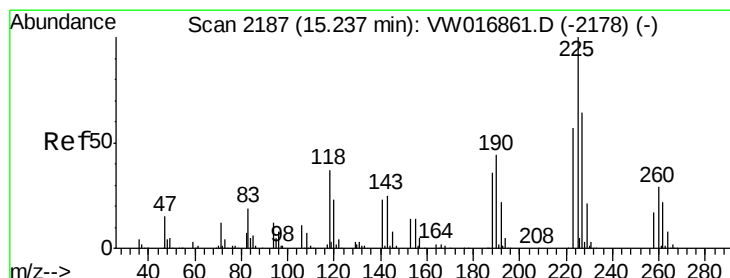
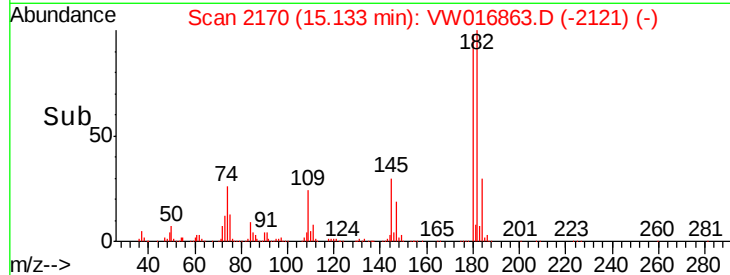
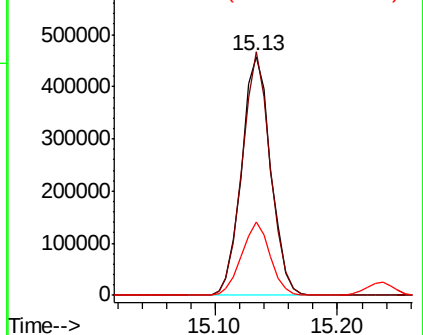
#93
 1,2,4-Trichlorobenzene
 Concen: 154.377 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.3	144.9
145	30.0	14.9	44.5

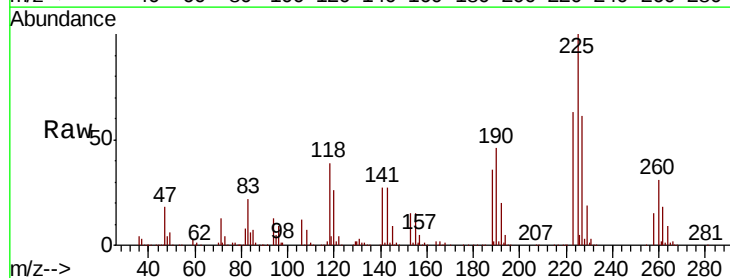


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

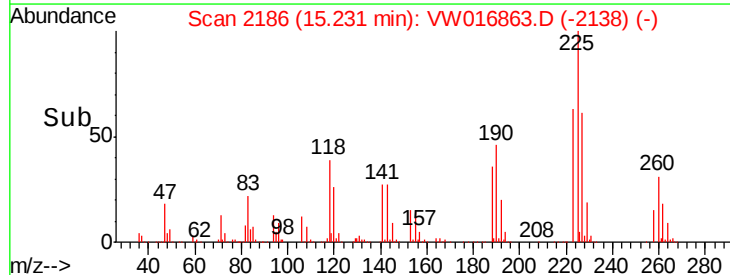
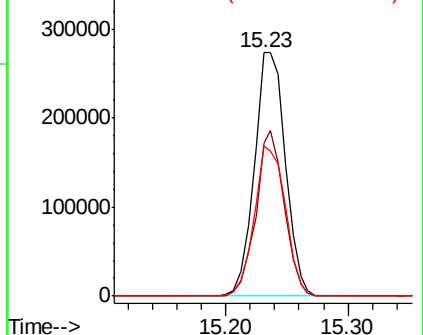


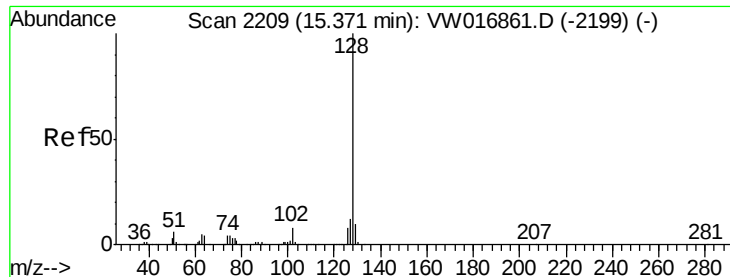
#94
 Hexachlorobutadiene
 Concen: 152.405 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW016863.D
 Acq: 09 Oct 2020 15:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.7
227	61.7	33.0	99.0



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

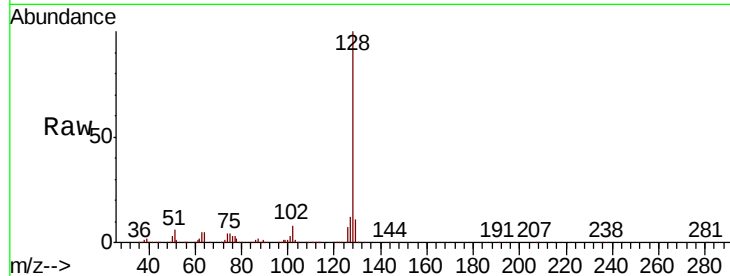




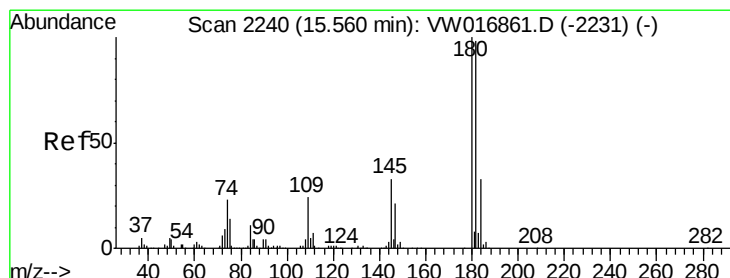
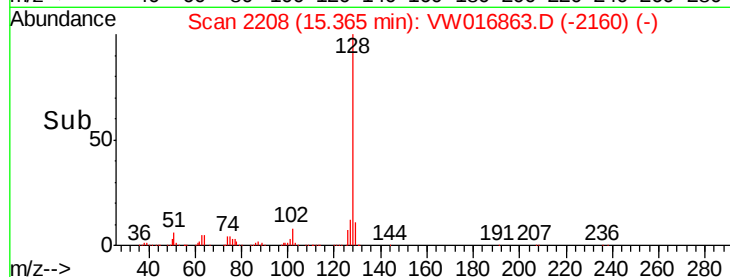
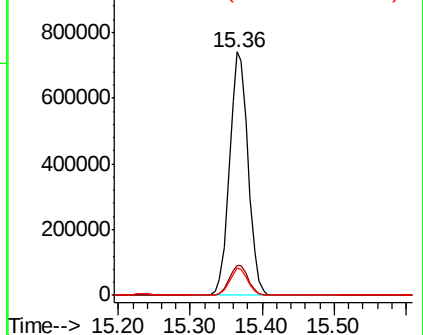
#95
Naphthalene
Concen: 165.815 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 1320676
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.8 8.6 12.8

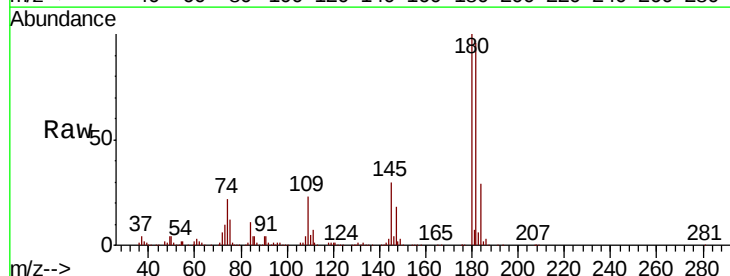


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 156.380 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016863.D
Acq: 09 Oct 2020 15:46

Tgt Ion:180 Resp: 666708
Ion Ratio Lower Upper
180 100
182 98.4 49.4 148.2
145 31.8 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

