

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042420\
 Data File : VW015335.D
 Acq On : 24 Apr 2020 11:50
 Operator : SY/VA
 Sample : VW0424SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 25 06:45:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	301664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	147008	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	87422	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	7.88	113	85882	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.32	98	337453	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
62) 4-Bromofluorobenzene	12.62	95	124810	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	34520	20.380	ug/l	99
3) Chloromethane	2.21	50	35464	19.226	ug/l	98
4) Vinyl Chloride	2.36	62	44505	20.432	ug/l	97
5) Bromomethane	2.76	94	36697	23.695	ug/l	91
6) Chloroethane	2.92	64	25685	19.011	ug/l	97
7) Trichlorofluoromethane	3.26	101	66622	21.615	ug/l	98
8) Diethyl Ether	3.69	74	18718	21.636	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42793	22.514	ug/l	92
10) Methyl Iodide	4.28	142	32514	16.286	ug/l	99
11) Tert butyl alcohol	5.18	59	20573	143.887	ug/l	96
12) 1,1-Dichloroethene	4.04	96	39094	21.369	ug/l	89
13) Acrolein	3.90	56	10312	137.795	ug/l	94
14) Allyl chloride	4.67	41	47947	19.755	ug/l #	84
15) Acrylonitrile	5.37	53	35728	108.518	ug/l	99
16) Acetone	4.13	43	34504	112.626	ug/l	94
17) Carbon Disulfide	4.38	76	110577	20.339	ug/l	100
18) Methyl Acetate	4.68	43	17901	22.075	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	91347	21.750	ug/l	96
20) Methylene Chloride	4.92	84	38769	19.309	ug/l	90
21) trans-1,2-Dichloroethene	5.43	96	44418	21.407	ug/l	92
22) Diisopropyl ether	6.31	45	96301	20.683	ug/l	91
23) Vinyl Acetate	6.26	43	293318	107.353	ug/l	95
24) 1,1-Dichloroethane	6.22	63	67479	20.912	ug/l	97
25) 2-Butanone	7.17	43	46591	114.627	ug/l #	87
26) 2,2-Dichloropropane	7.17	77	73848	21.753	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	47666	21.279	ug/l	99
28) Bromochloromethane	7.51	49	23937	20.403	ug/l #	70
29) Tetrahydrofuran	7.53	42	28767	113.601	ug/l	90
30) Chloroform	7.68	83	74371	21.354	ug/l	100
31) Cyclohexane	7.95	56	66813	20.598	ug/l #	87
32) 1,1,1-Trichloroethane	7.87	97	74507	22.166	ug/l	99
36) 1,1-Dichloropropene	8.08	75	60796	22.329	ug/l	97
37) Ethyl Acetate	7.25	43	20780	23.517	ug/l	97
38) Carbon Tetrachloride	8.07	117	66964	22.506	ug/l	92

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	77981	21.519	ug/l	94
40) Benzene	8.32	78	157256	21.622	ug/l	96
41) Methacrylonitrile	7.48	41	11223	21.168	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	46861	21.886	ug/l	100
43) Isopropyl Acetate	8.42	43	41452	22.367	ug/l	95
44) Trichloroethene	9.09	130	51022	22.935	ug/l	94
45) 1,2-Dichloropropane	9.37	63	36630	21.657	ug/l	94
46) Dibromomethane	9.46	93	21651	22.129	ug/l #	86
47) Bromodichloromethane	9.65	83	57833	22.112	ug/l	99
48) Methyl methacrylate	9.43	41	17898	20.429	ug/l #	79
49) 1,4-Dioxane	9.45	88	6028	462.165	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	96918	111.403	ug/l	97
52) Toluene	10.38	92	105913	20.808	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	54978	21.318	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	65061	21.704	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	30779	22.467	ug/l	94
56) Ethyl methacrylate	10.65	69	36562	20.716	ug/l	92
57) 1,3-Dichloropropane	10.93	76	49761	21.927	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	88643	108.334	ug/l	90
59) 2-Hexanone	10.96	43	68176	109.780	ug/l	98
60) Dibromochloromethane	11.13	129	40833	22.574	ug/l	99
61) 1,2-Dibromoethane	11.23	107	30111	22.525	ug/l	98
64) Tetrachloroethene	10.86	164	45853	23.873	ug/l	93
65) Chlorobenzene	11.66	112	117075	22.170	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44379	23.382	ug/l	98
67) Ethyl Benzene	11.73	91	212127	21.540	ug/l	98
68) m/p-Xylenes	11.83	106	165833	42.959	ug/l	100
69) o-Xylene	12.16	106	77411	21.484	ug/l	100
70) Styrene	12.18	104	132494	21.572	ug/l	99
71) Bromoform	12.35	173	25309	23.665	ug/l #	98
73) Isopropylbenzene	12.46	105	220767	21.659	ug/l	100
74) N-amyl acetate	12.27	43	37270	21.018	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	32492	22.452	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	44088	38.767	ug/l #	100
77) Bromobenzene	12.74	156	51558	22.017	ug/l	82
78) n-propylbenzene	12.80	91	251020	21.152	ug/l	97
79) 2-Chlorotoluene	12.89	91	143226	21.415	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	186533	21.245	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11232	21.590	ug/l	93
82) 4-Chlorotoluene	12.99	91	148720	20.943	ug/l	96
83) tert-Butylbenzene	13.21	119	168540	21.962	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	186095	21.489	ug/l	99
85) sec-Butylbenzene	13.38	105	229577	21.662	ug/l	98
86) p-Isopropyltoluene	13.50	119	211426	21.469	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	100075	21.508	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	100845	22.110	ug/l	98
89) n-Butylbenzene	13.82	91	190565	21.171	ug/l	97
90) Hexachloroethane	14.09	117	39224	21.718	ug/l	74
91) 1,2-Dichlorobenzene	13.87	146	89806	22.211	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5723	21.852	ug/l	87

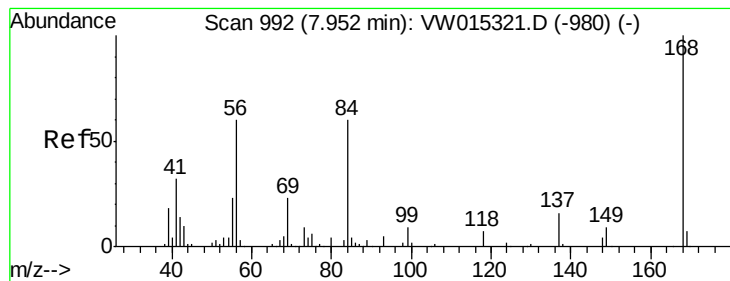
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042420\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61199	21.776	ug/l	98
94) Hexachlorobutadiene	15.24	225	42561	22.715	ug/l	98
95) Naphthalene	15.36	128	98108	21.701	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	51418	22.487	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

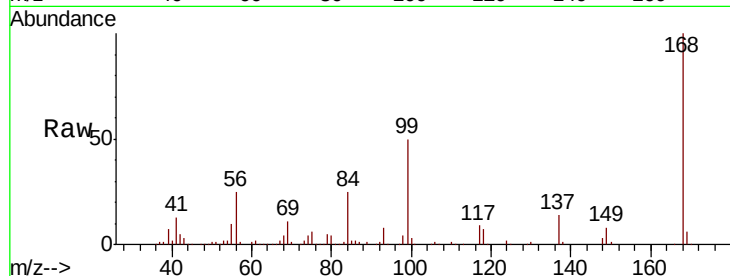
ClientSampleId :

Tot Ion:168 Resp: 214493

Ion Ratio Lower Upper

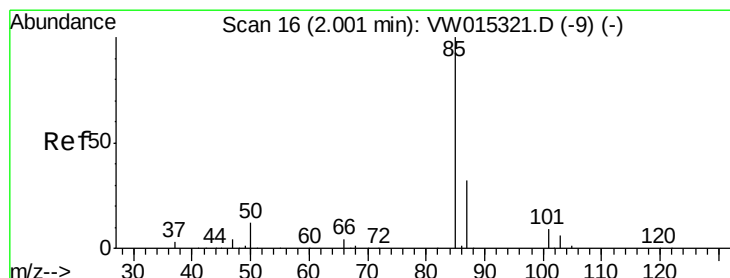
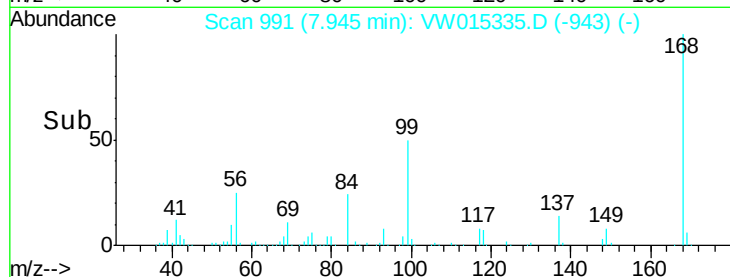
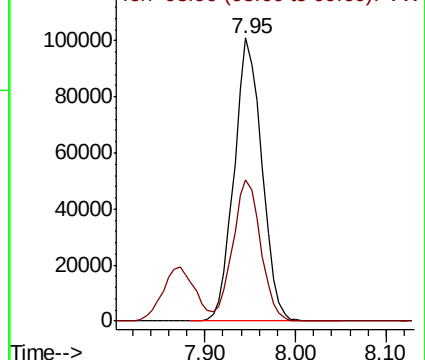
168 100

99 50.1 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.380 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015335.D

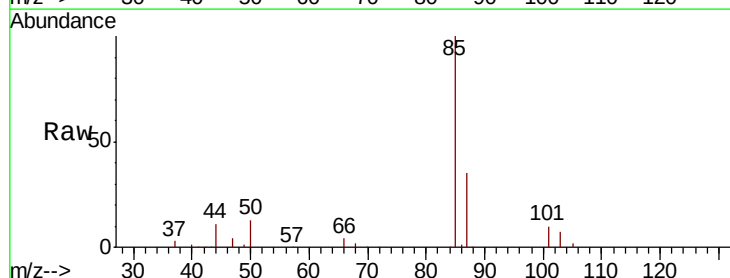
Acq: 24 Apr 2020 11:50

Tgt Ion: 85 Resp: 34520

Ion Ratio Lower Upper

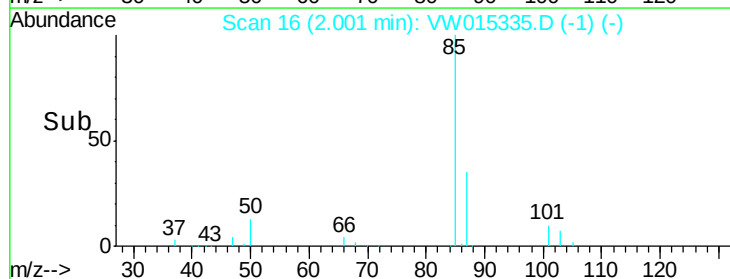
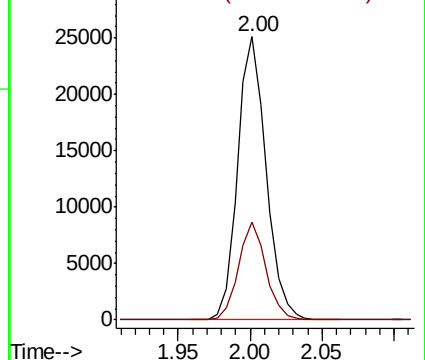
85 100

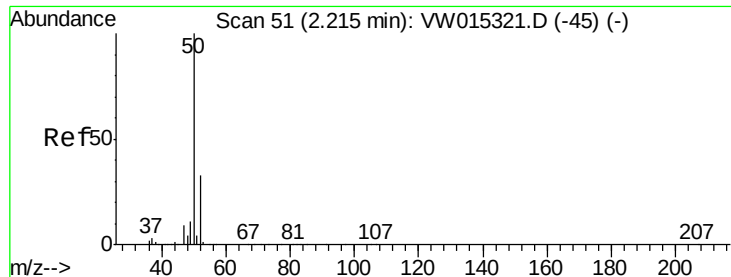
87 34.7 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.226 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

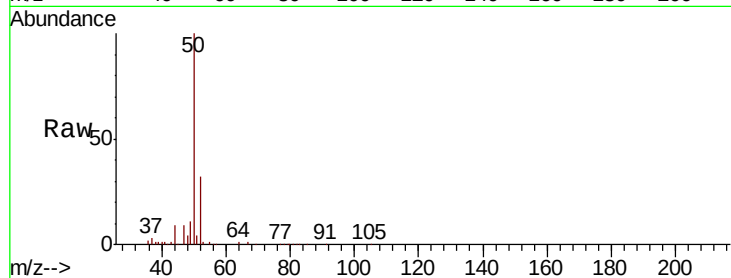
ClientSampled :

Tot Ion: 50 Resp: 35464

Ion Ratio Lower Upper

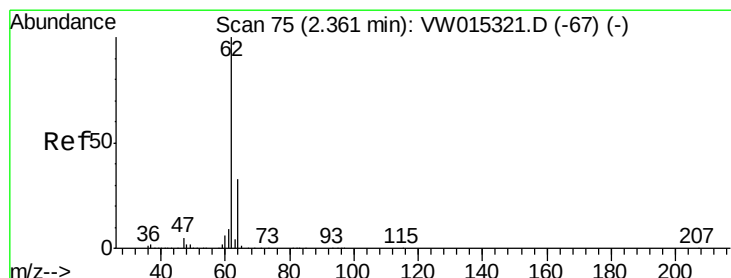
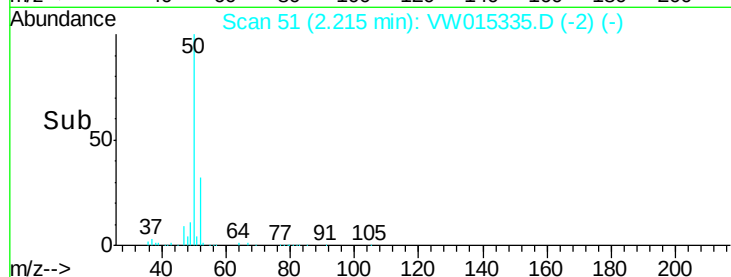
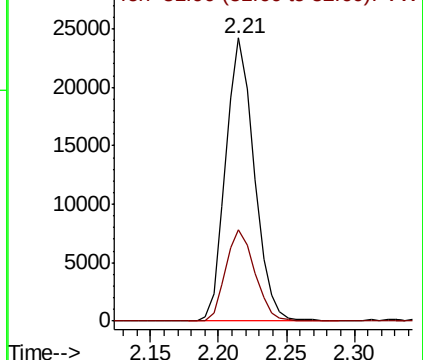
50 100

52 32.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.432 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015335.D

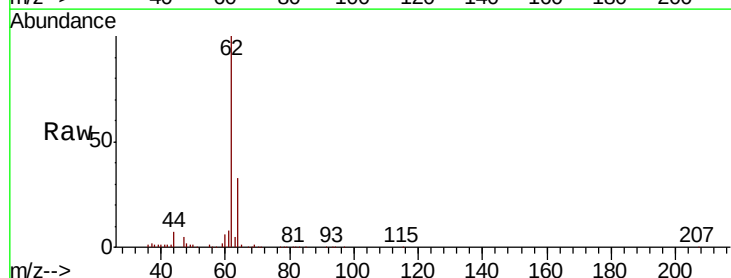
Acq: 24 Apr 2020 11:50

Tgt Ion: 62 Resp: 44505

Ion Ratio Lower Upper

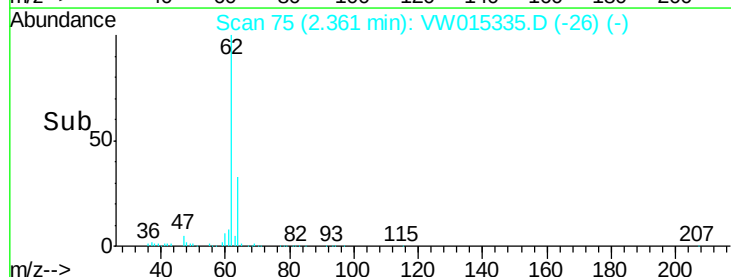
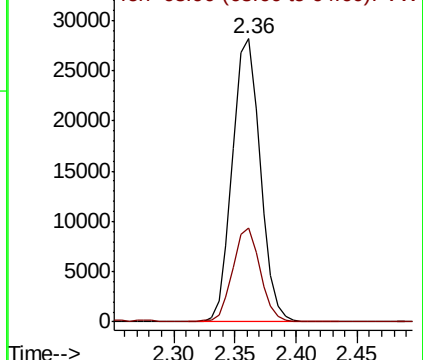
62 100

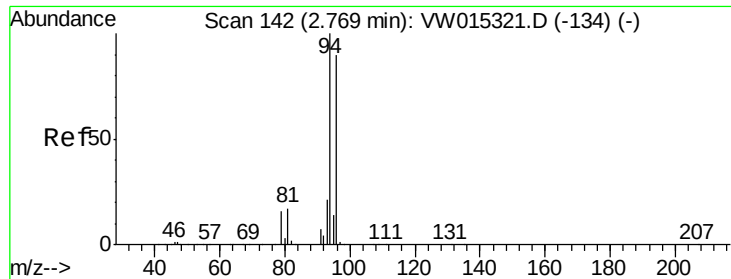
64 33.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 23.695 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

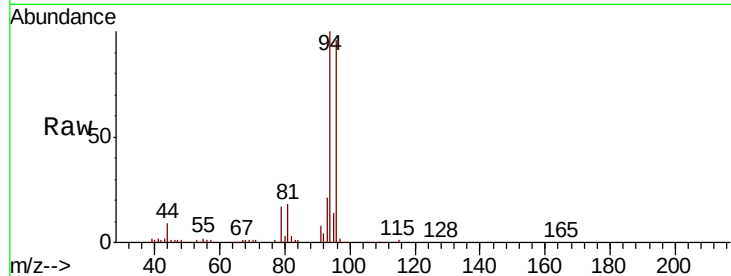
ClientSampleId :

Tot Ion: 94 Resp: 36697

Ion Ratio Lower Upper

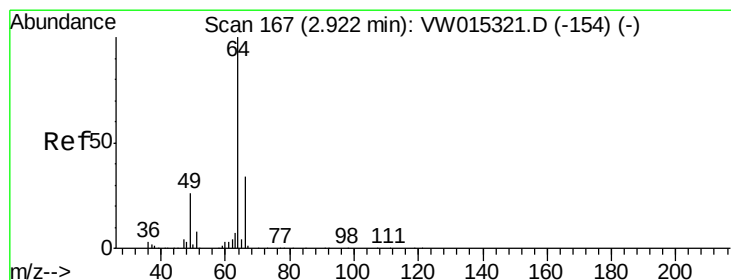
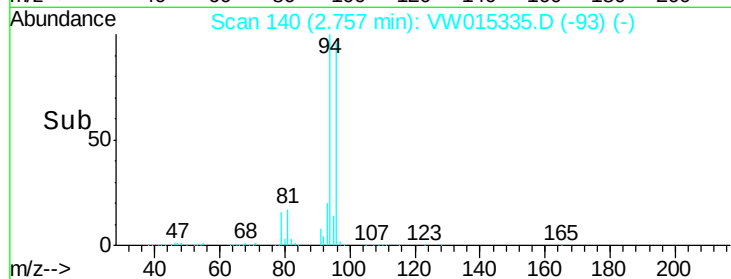
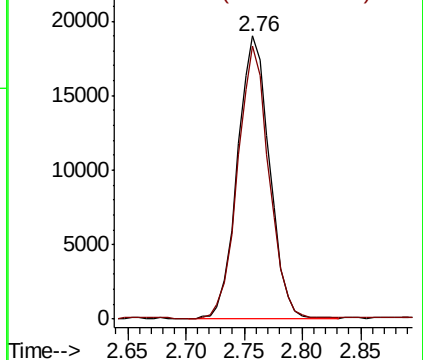
94 100

96 96.0 70.4 105.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.011 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015335.D

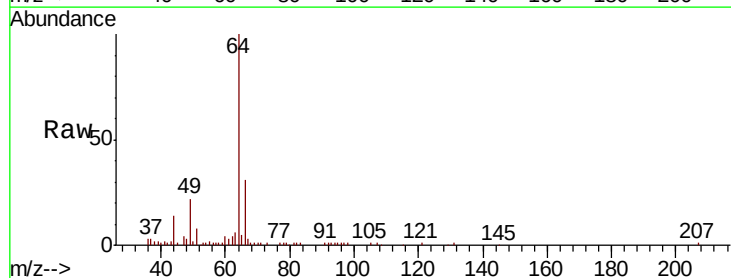
Acq: 24 Apr 2020 11:50

Tgt Ion: 64 Resp: 25685

Ion Ratio Lower Upper

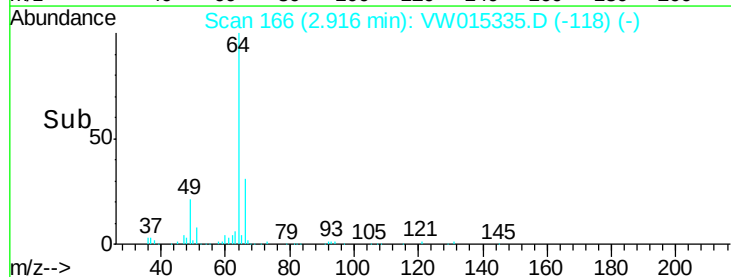
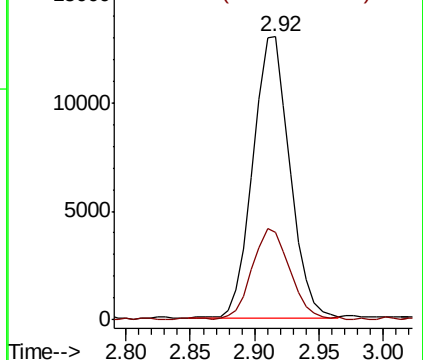
64 100

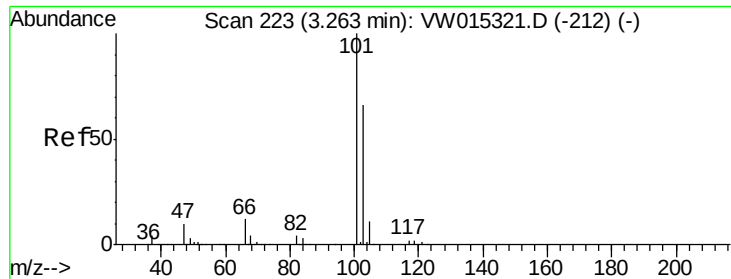
66 30.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



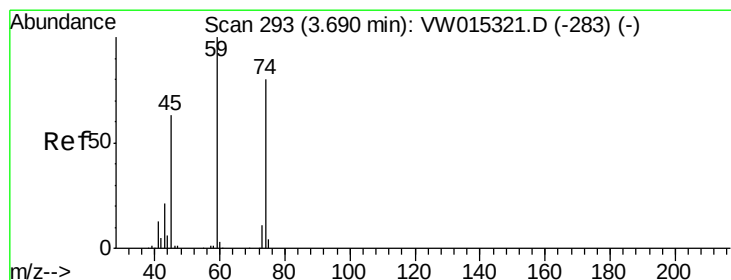
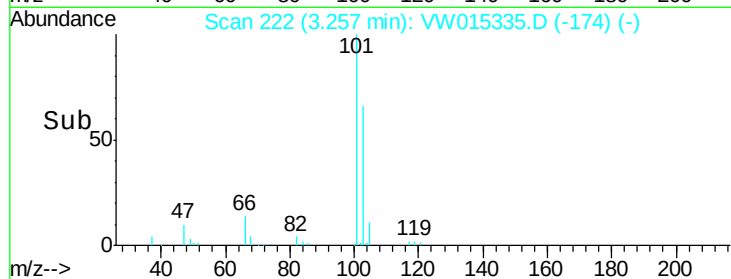
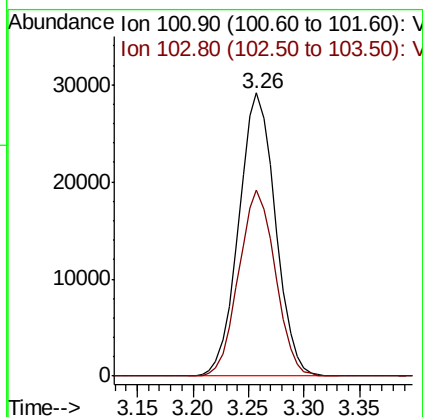
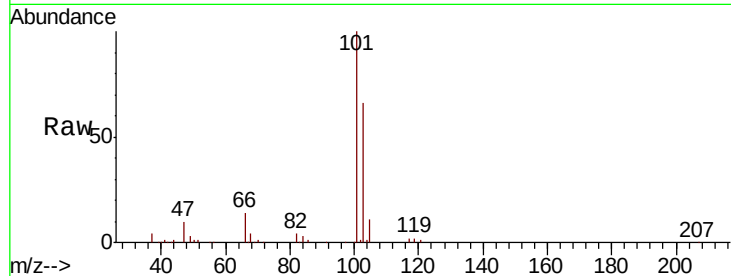


#7

Trichlorofluoromethane
 Concen: 21.615 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_W
 ClientSampleId :

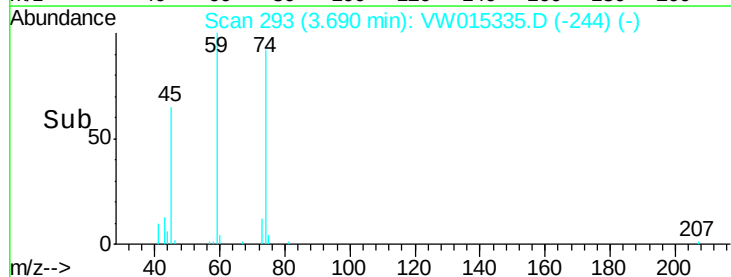
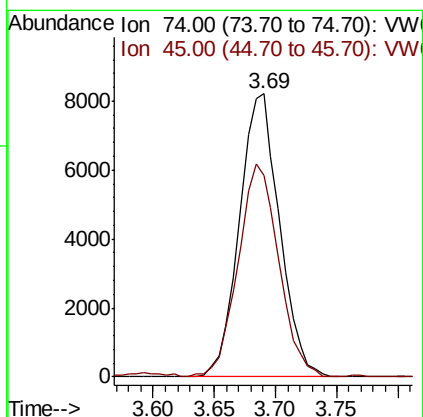
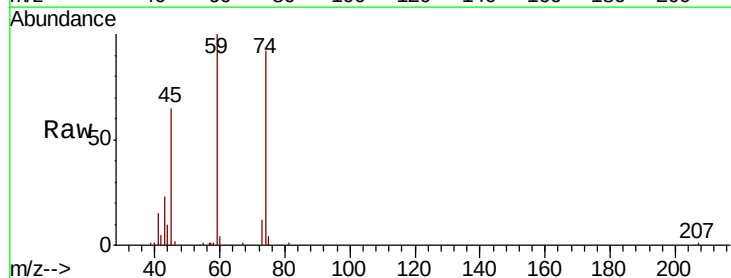
Tot Ion:101 Resp: 66622
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.3 76.9

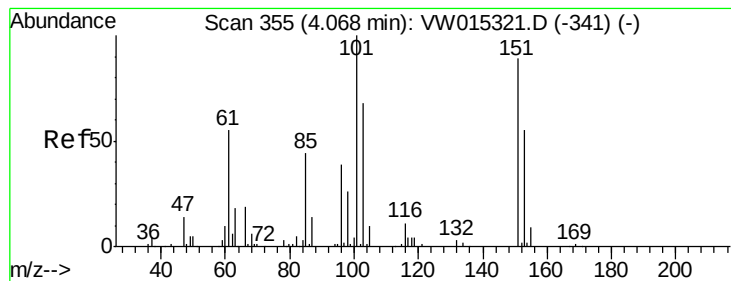


#8

Diethyl Ether
 Concen: 21.636 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion: 74 Resp: 18718
 Ion Ratio Lower Upper
 74 100
 45 76.1 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.514 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

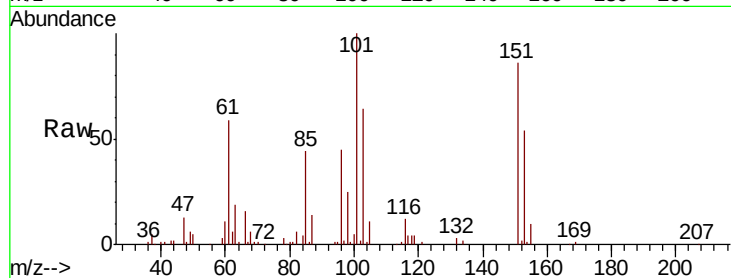
Tot Ion:101 Resp: 42793

Ion Ratio Lower Upper

101 100

85 42.8 35.3 52.9

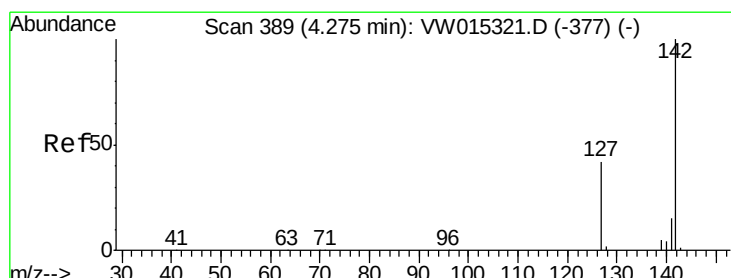
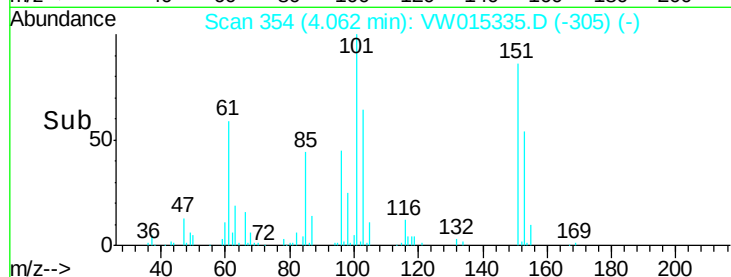
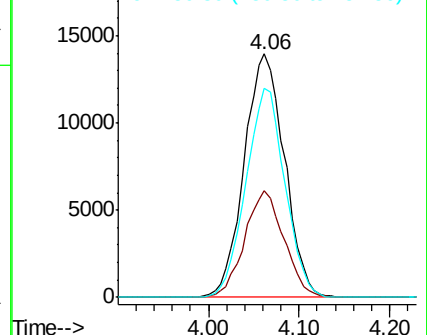
151 83.5 59.3 88.9



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: 16.286 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

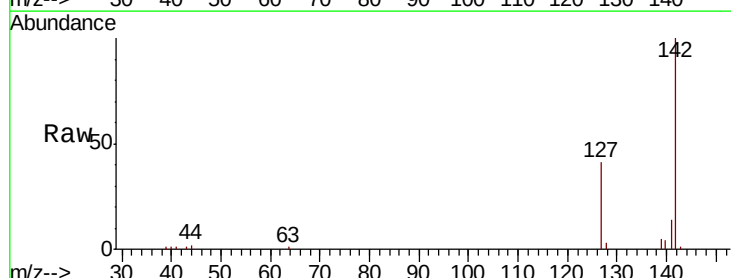
Tgt Ion:142 Resp: 32514

Ion Ratio Lower Upper

142 100

127 41.6 33.9 50.9

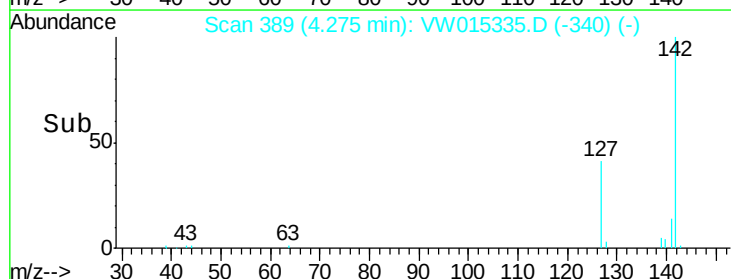
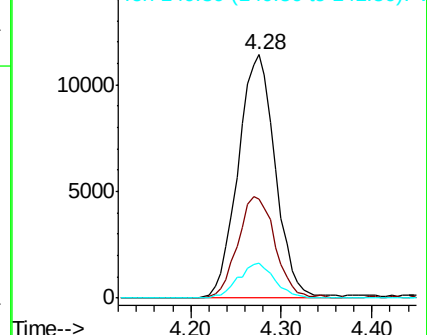
141 13.9 11.4 17.2

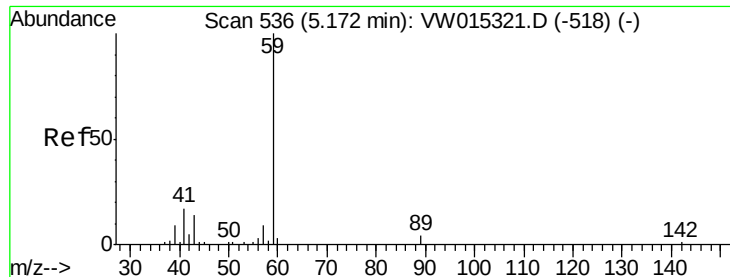


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

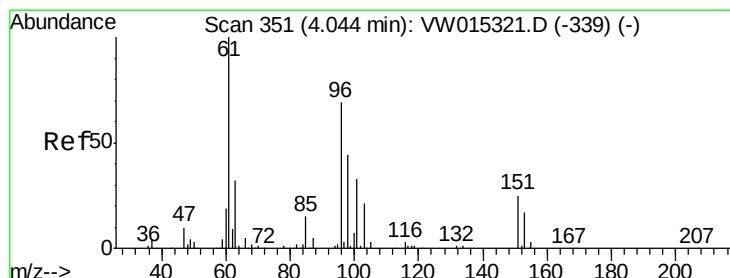
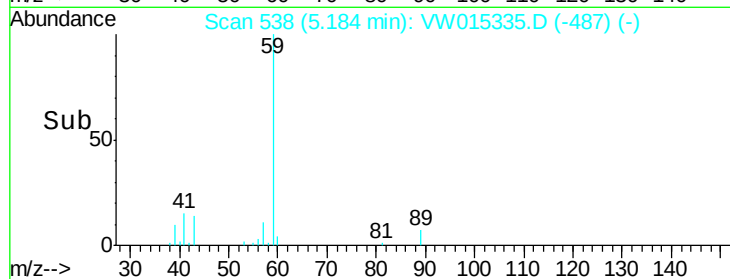
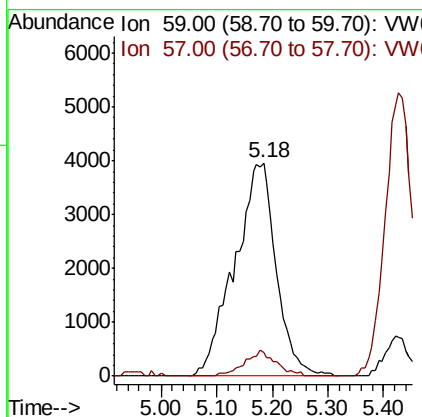
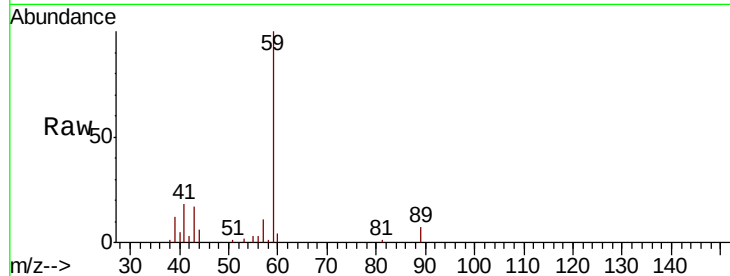




#11
Tert butyl alcohol
Concen: 143.887 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

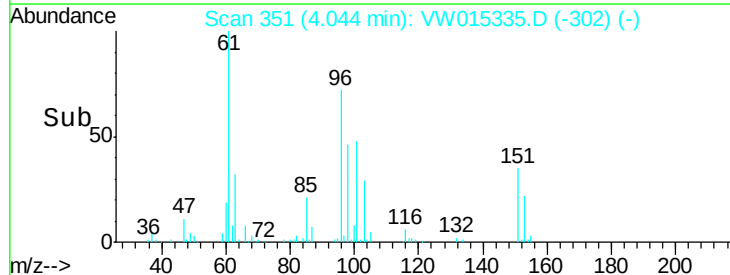
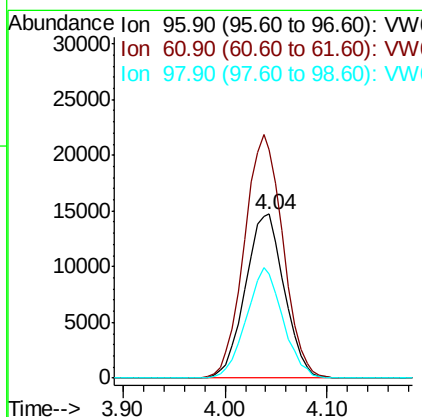
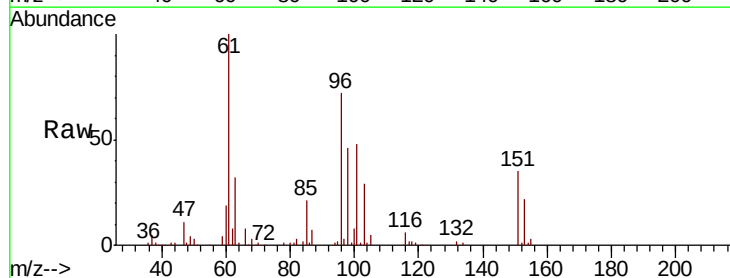
Instrument :
MSVOA_W
ClientSampled :

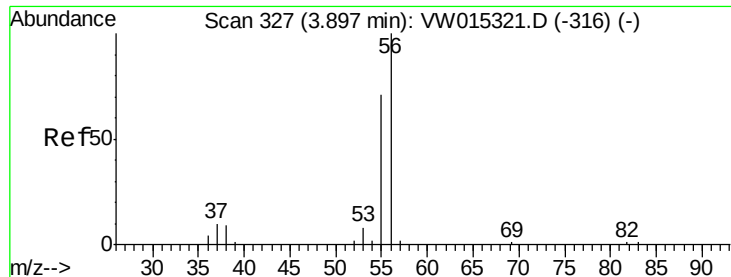
Tot Ion: 59 Resp: 20573
Ion Ratio Lower Upper
59 100
57 9.2 8.4 12.6



#12
1,1-Dichloroethene
Concen: 21.369 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

Tgt Ion: 96 Resp: 39094
Ion Ratio Lower Upper
96 100
61 139.1 127.0 190.4
98 63.4 51.0 76.4

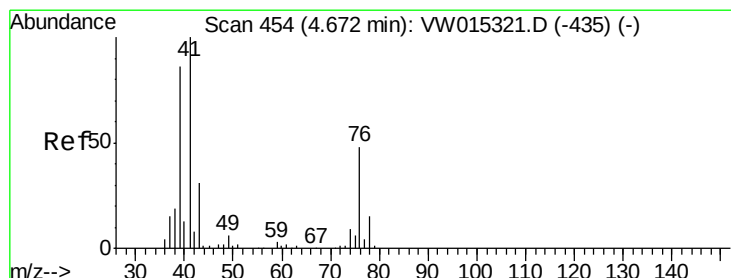
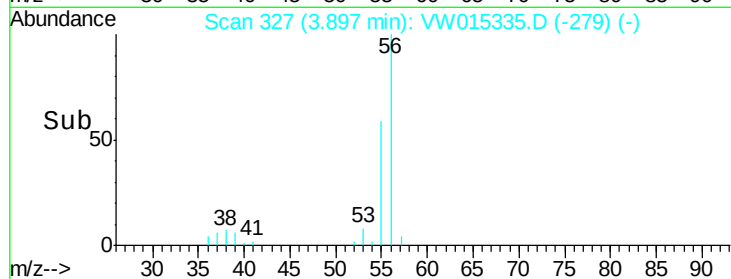
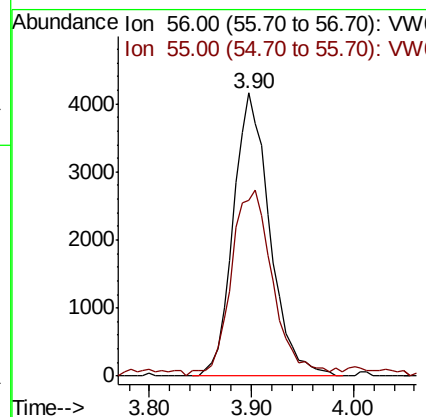
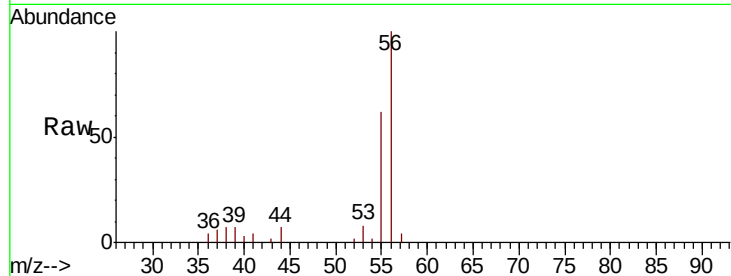




#13
Acrolein
Concen: 137.795 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.01 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

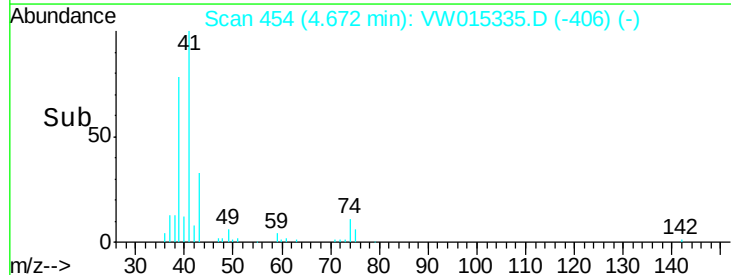
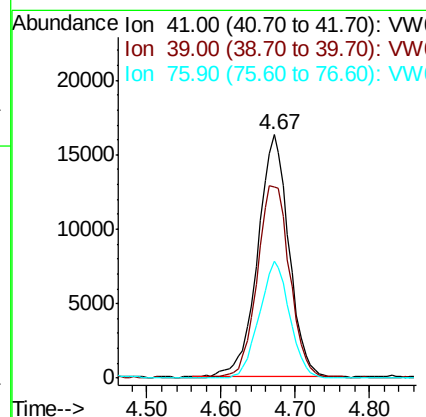
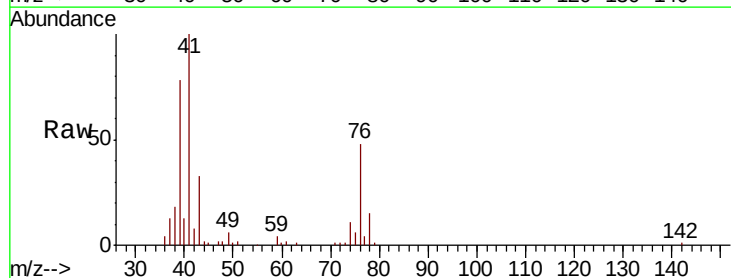
Instrument :
MSVOA_W
ClientSampleId :

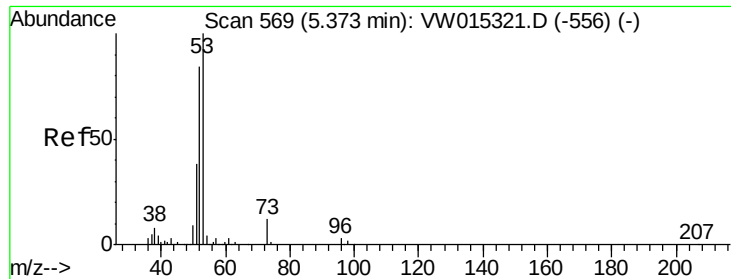
Tot Ion: 56 Resp: 10312
Ion Ratio Lower Upper
56 100
55 75.0 56.2 84.2



#14
Allyl chloride
Concen: 19.755 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

Tgt Ion: 41 Resp: 47947
Ion Ratio Lower Upper
41 100
39 83.4 54.0 81.0#
76 46.4 31.8 47.6





#15

Acrylonitrile

Concen: 108.518 ug/l

RT: 5.37 min Scan# 569

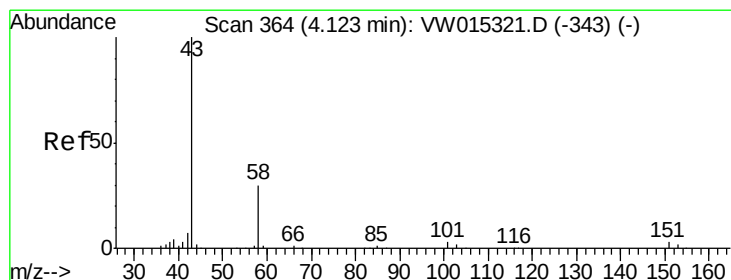
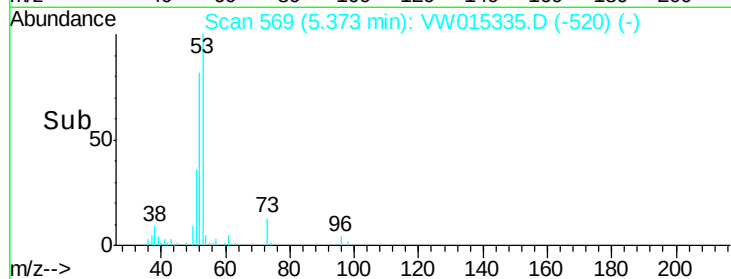
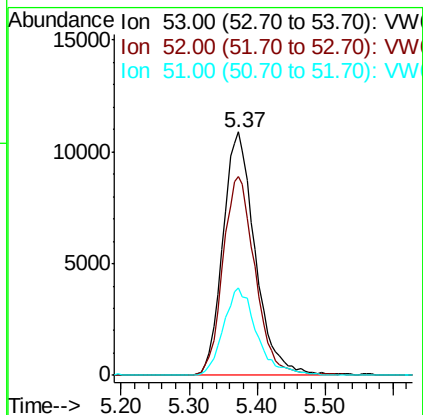
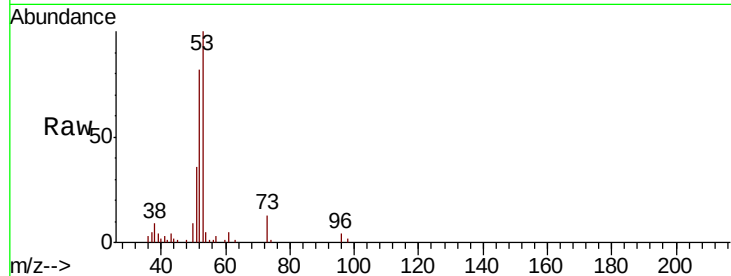
Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	53	Resp:	35728
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.2	97.8
51	37.2	28.2	42.4



#16

Acetone

Concen: 112.626 ug/l

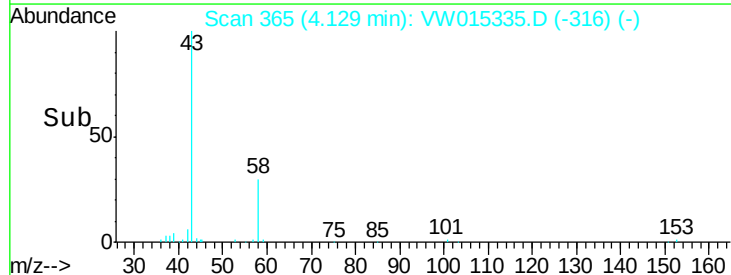
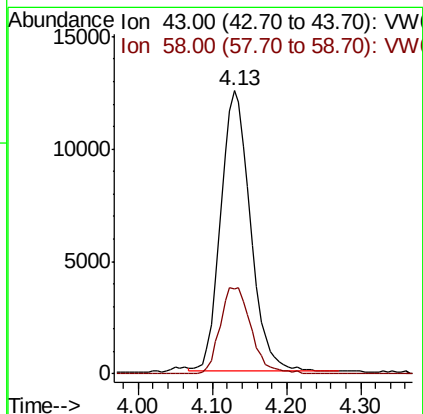
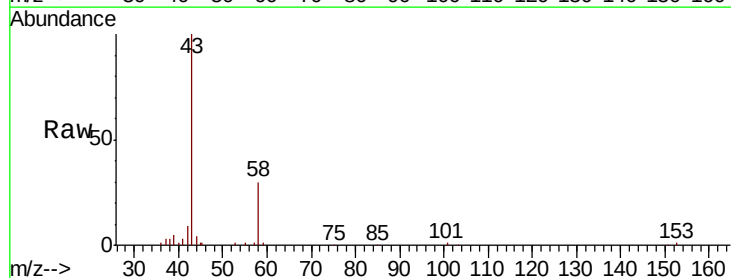
RT: 4.13 min Scan# 365

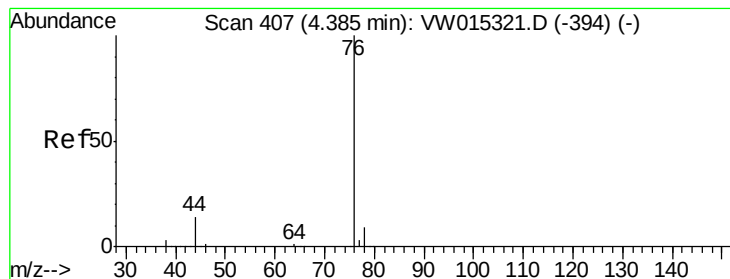
Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Tgt Ion:	43	Resp:	34504
Ion	Ratio	Lower	Upper
43	100		
58	30.2	27.0	40.4





#17

Carbon Disulfide

Concen: 20.339 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

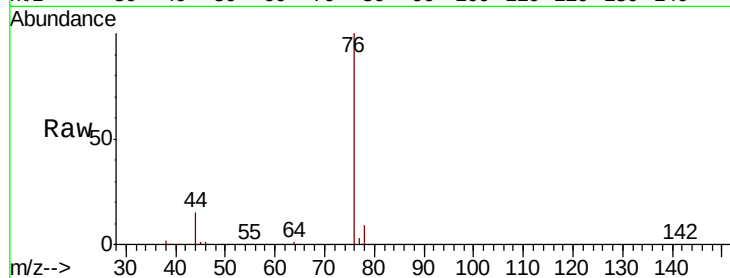
ClientSampleId :

Tot Ion: 76 Resp: 110577

Ion Ratio Lower Upper

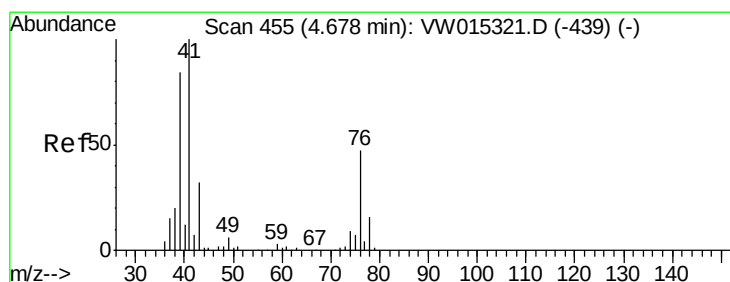
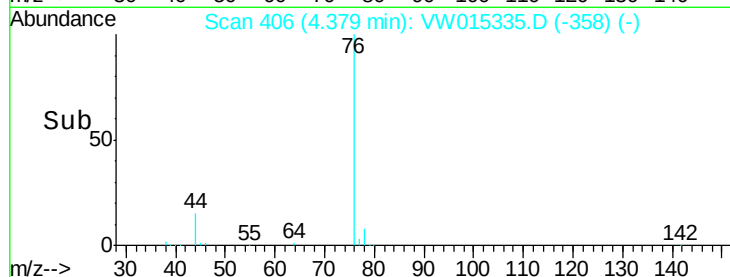
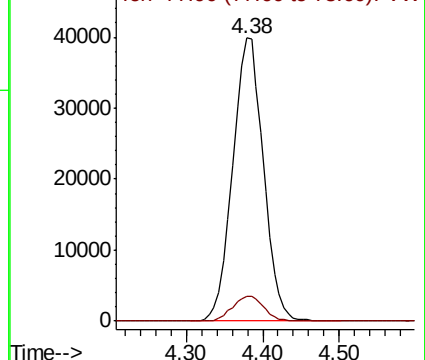
76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.075 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015335.D

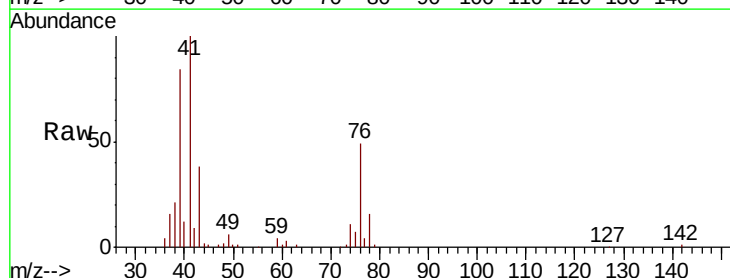
Acq: 24 Apr 2020 11:50

Tgt Ion: 43 Resp: 17901

Ion Ratio Lower Upper

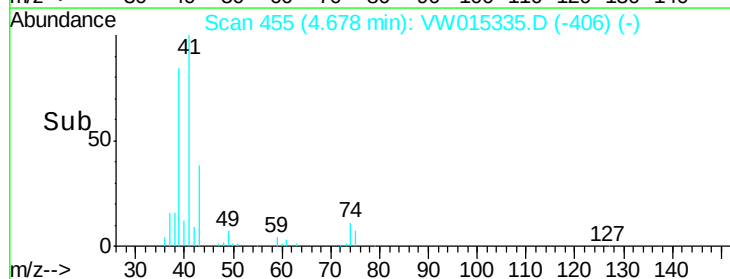
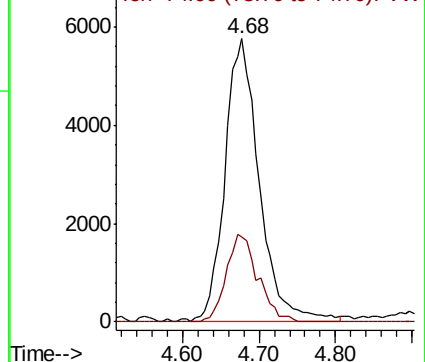
43 100

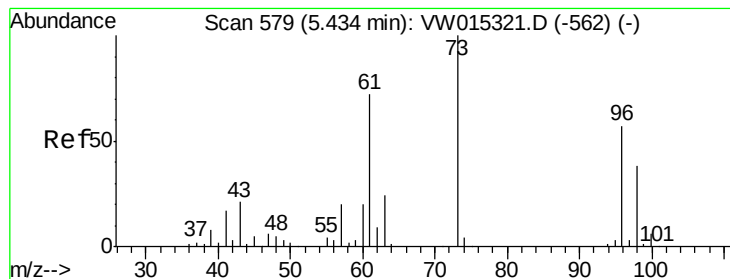
74 28.4 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



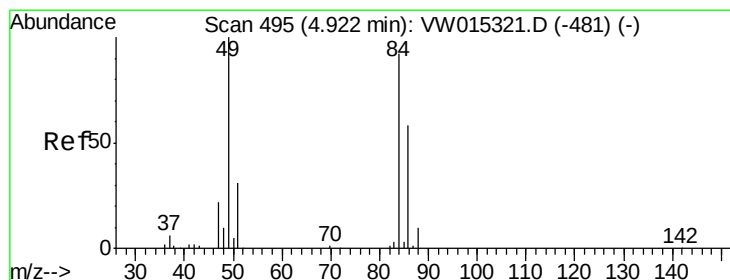
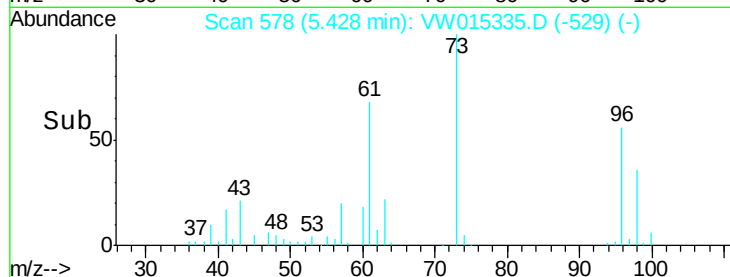
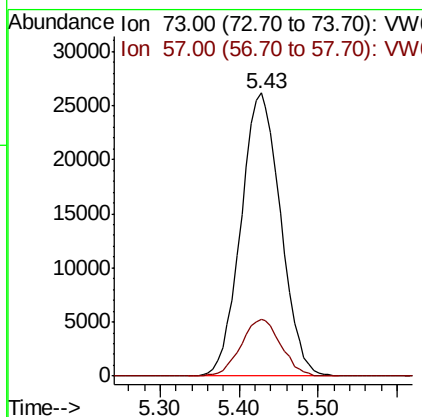
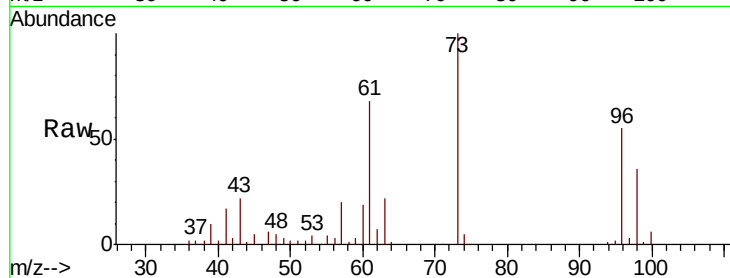


#19

Methyl tert-butyl Ether
 Concen: 21.750 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_W
 ClientSampled :

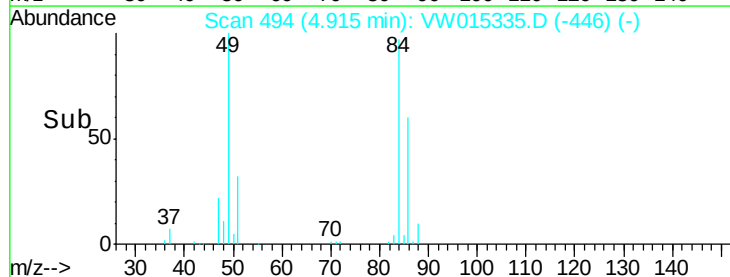
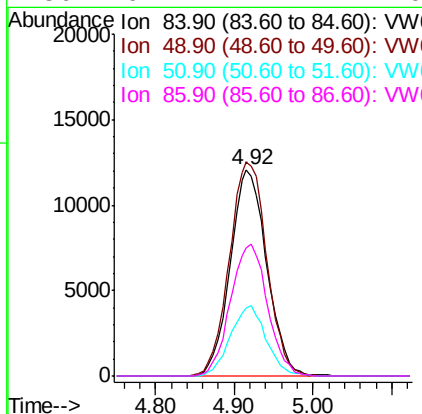
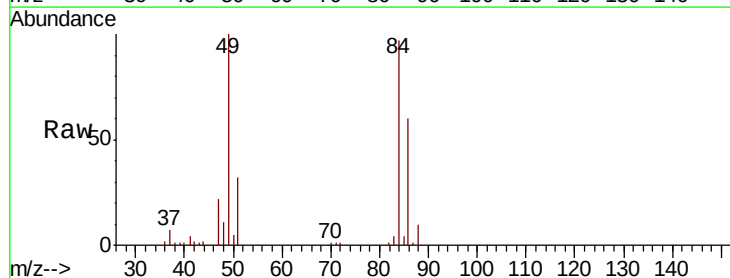
Tot Ion: 73 Resp: 91347
 Ion Ratio Lower Upper
 73 100
 57 20.1 17.8 26.6

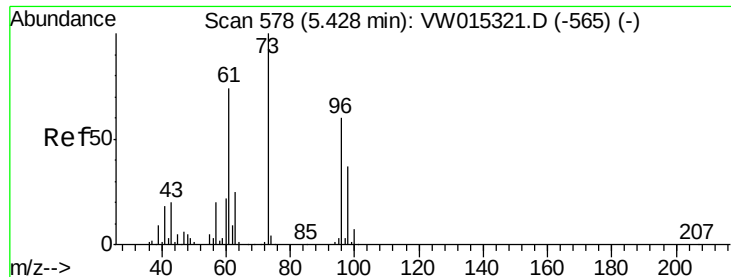


#20

Methylene Chloride
 Concen: 19.309 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion: 84 Resp: 38769
 Ion Ratio Lower Upper
 84 100
 49 103.3 95.4 143.0
 51 32.9 29.8 44.8
 86 62.1 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 21.407 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampled :

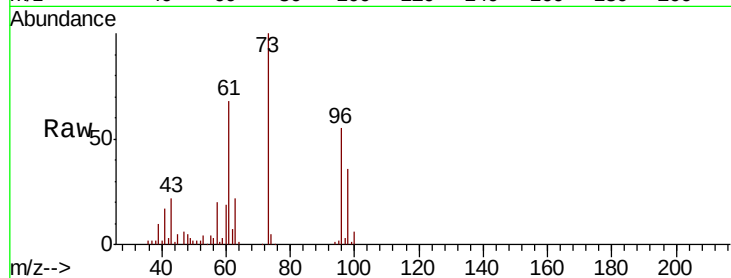
Tot Ion: 96 Resp: 44418

Ion Ratio Lower Upper

96 100

61 123.2 107.8 161.6

98 65.2 50.2 75.2

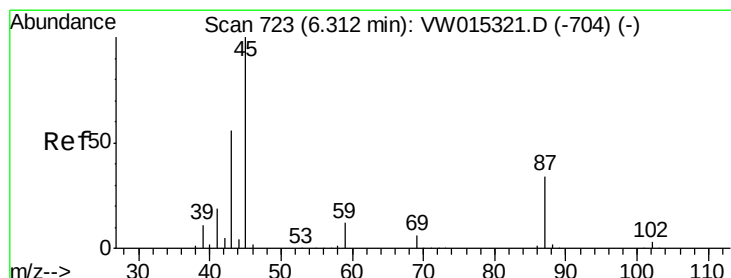
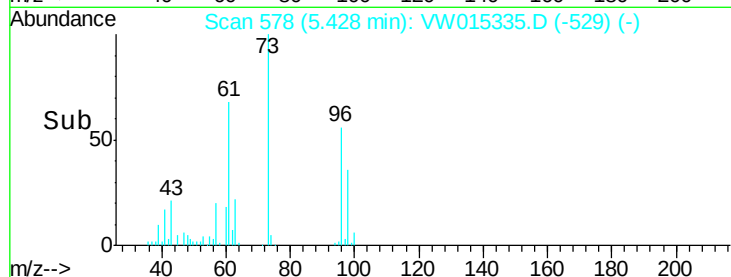
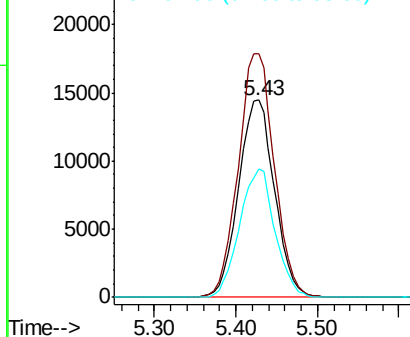


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.683 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Tgt Ion: 45 Resp: 96301

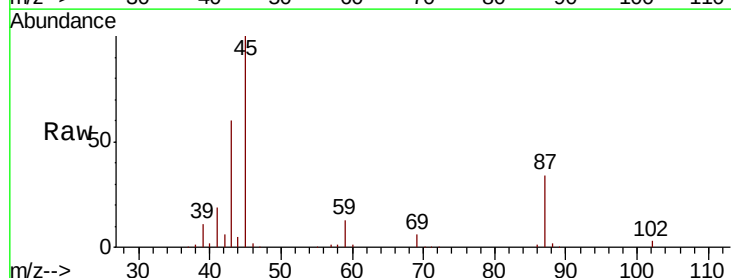
Ion Ratio Lower Upper

45 100

43 59.2 41.8 62.6

87 34.5 23.2 34.8

59 13.1 9.6 14.4



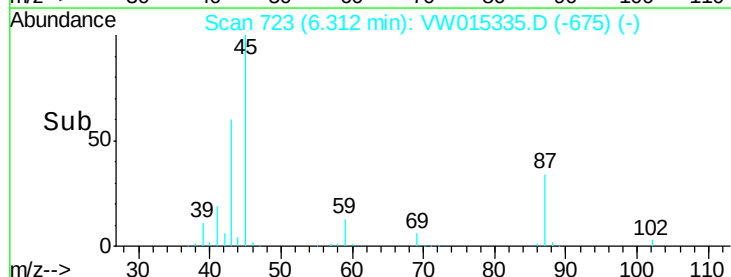
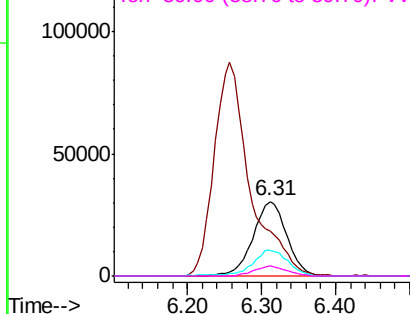
Abundance

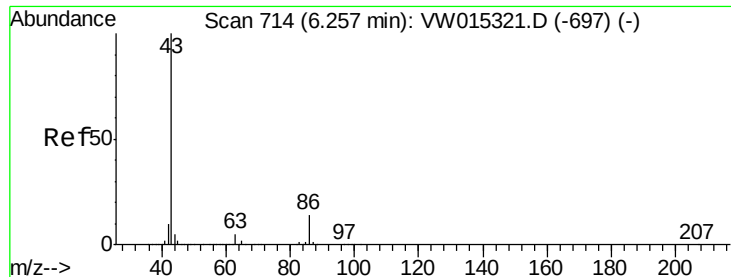
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 107.353 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

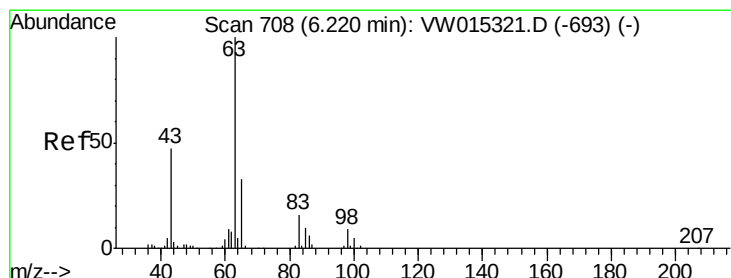
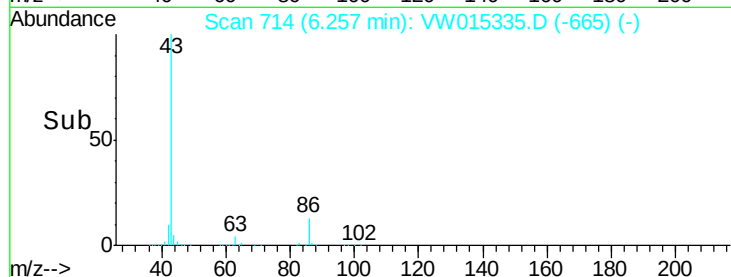
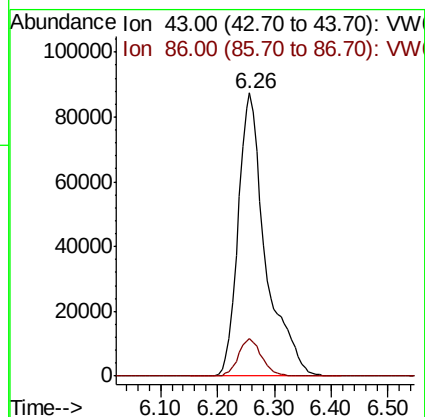
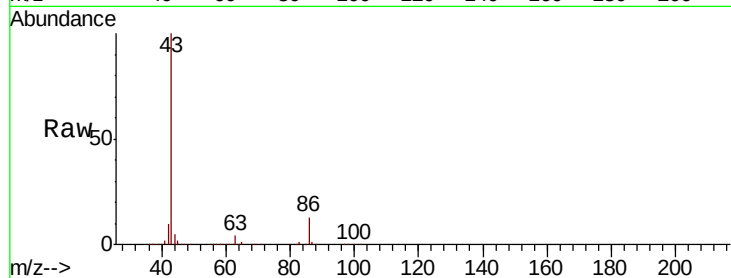
ClientSampleId :

Tot Ion: 43 Resp: 293318

Ion Ratio Lower Upper

43 100

86 13.4 9.1 13.7



#24

1,1-Dichloroethane

Concen: 20.912 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

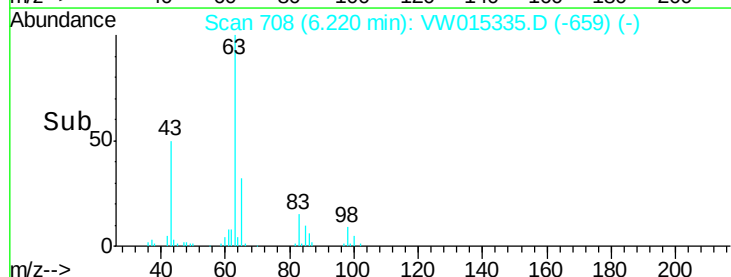
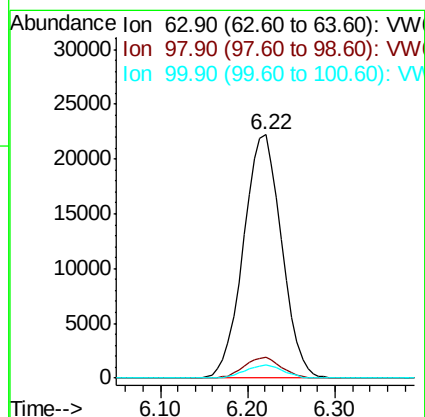
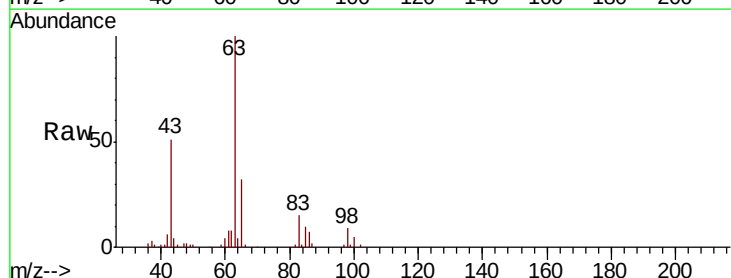
Tgt Ion: 63 Resp: 67479

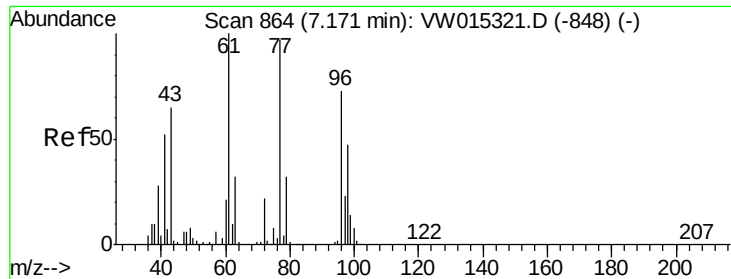
Ion Ratio Lower Upper

63 100

98 8.6 3.6 10.9

100 5.3 2.4 7.2





#25

2-Butanone

Concen: 114.627 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

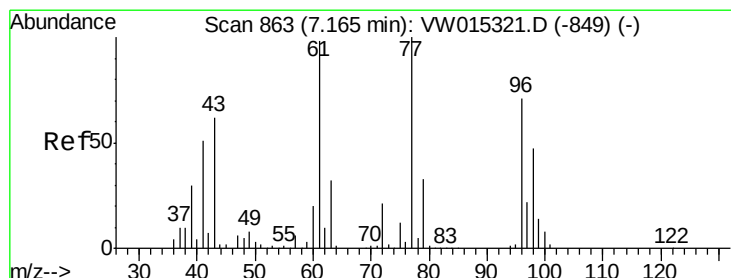
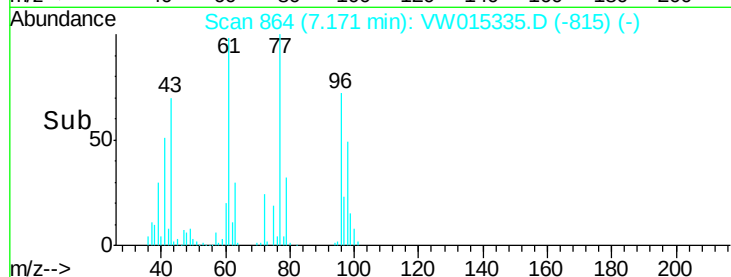
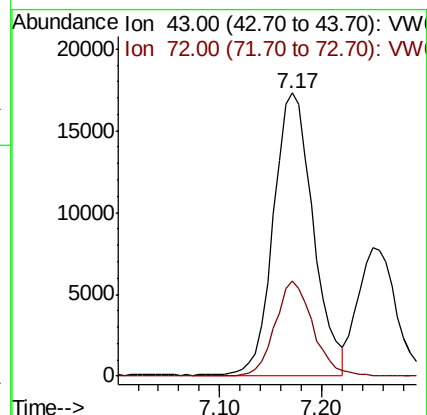
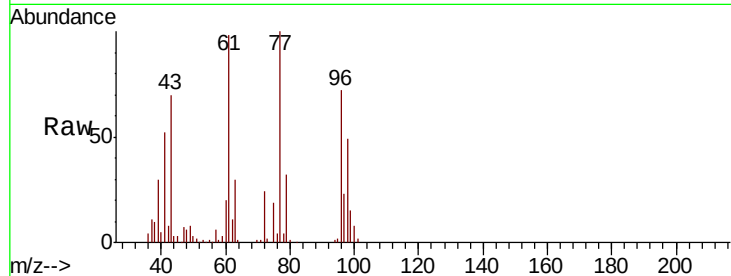
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 46591

Ion Ratio Lower Upper

43 100

72 33.7 21.6 32.4#



#26

2,2-Dichloropropane

Concen: 21.753 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015335.D

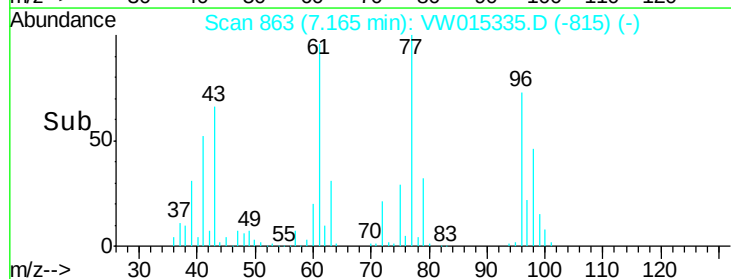
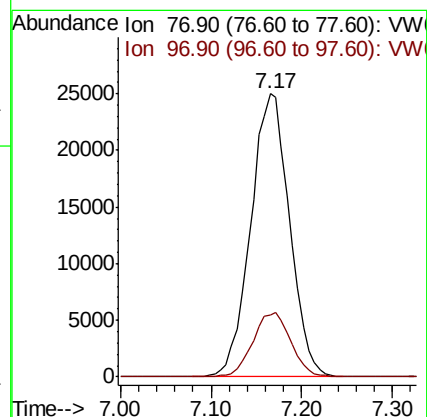
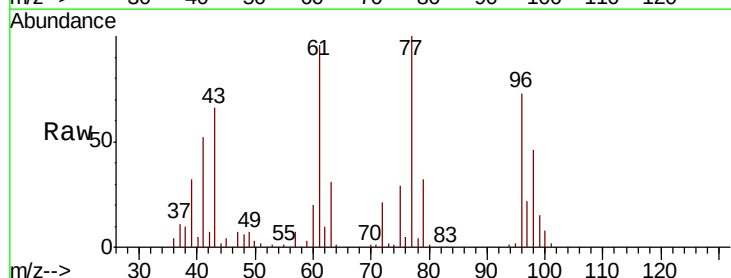
Acq: 24 Apr 2020 11:50

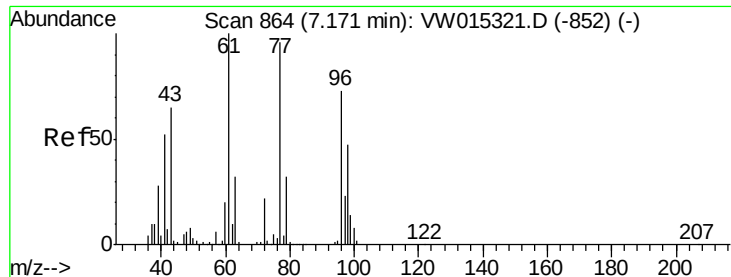
Tgt Ion: 77 Resp: 73848

Ion Ratio Lower Upper

77 100

97 22.3 11.9 35.5



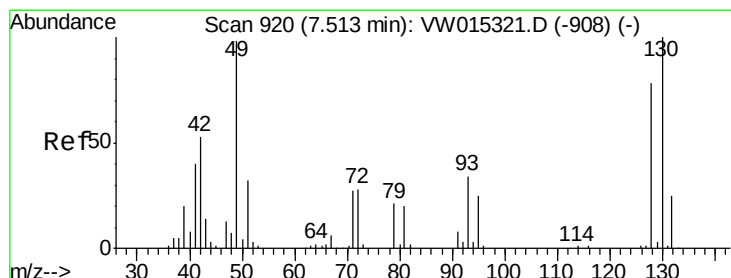
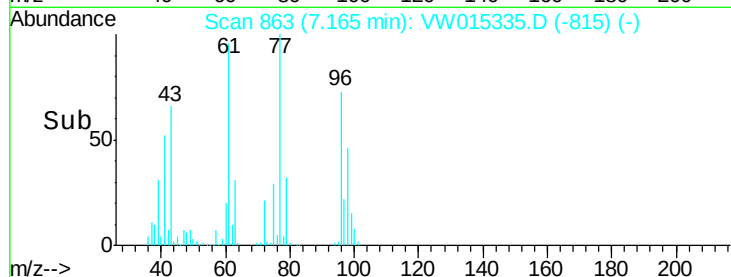
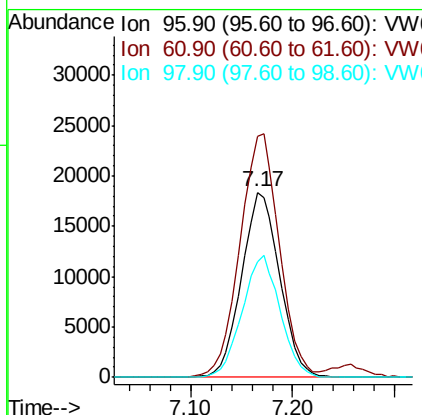
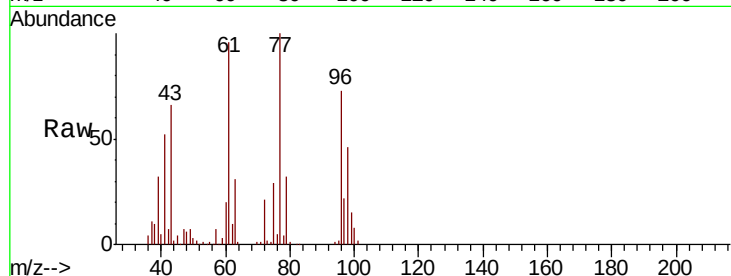


#27

cis-1,2-Dichloroethene
 Concen: 21.279 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_W
 ClientSampleId :

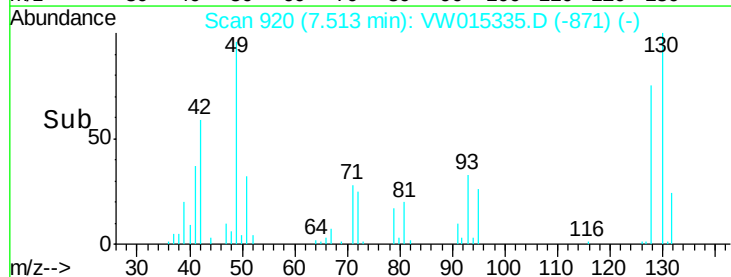
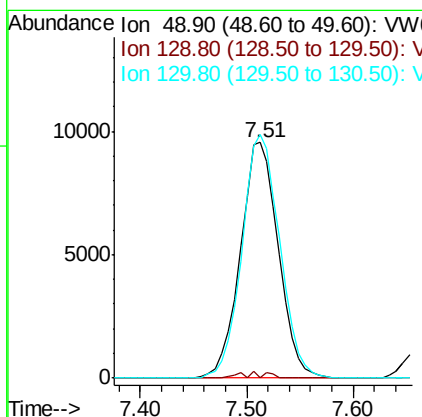
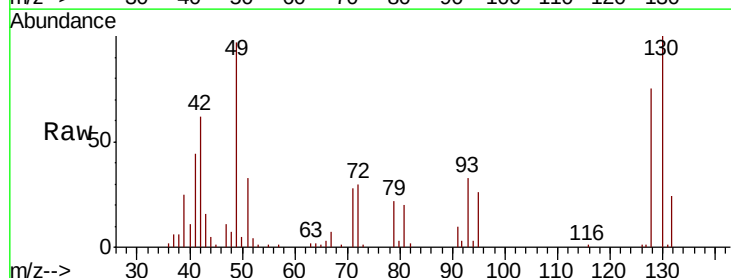
Tot Ion	96	Resp	47666
Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	275.0
98	65.6	0.0	130.8

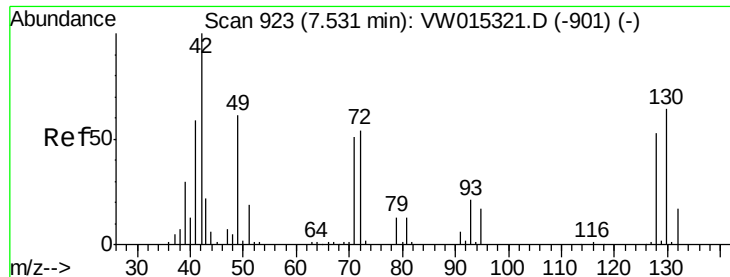


#28

Bromochloromethane
 Concen: 20.403 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	49	Resp	23937
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.6
130	102.5	60.9	91.3#





#29

Tetrahydrofuran

Concen: 113.601 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampled :

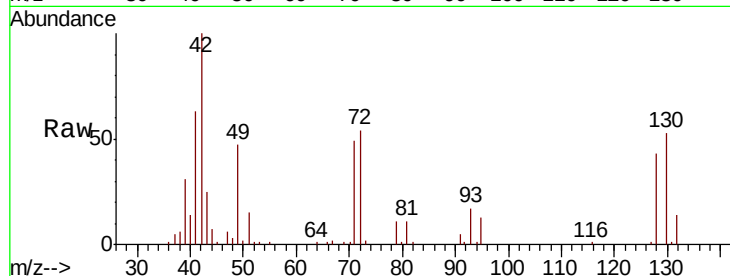
Tot Ion: 42 Resp: 28767

Ion Ratio Lower Upper

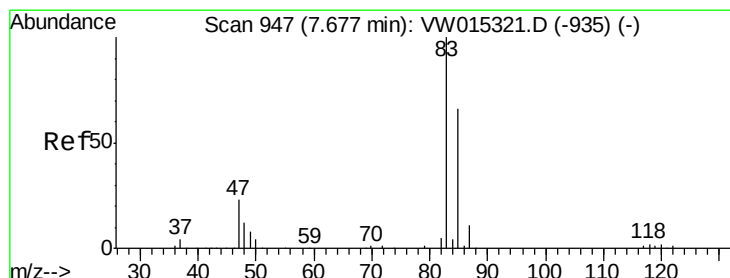
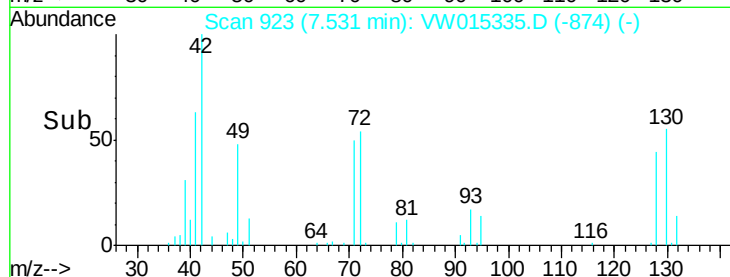
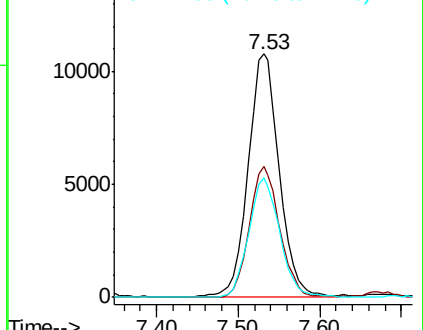
42 100

72 52.0 36.2 54.2

71 48.9 34.2 51.4



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



#30

Chloroform

Concen: 21.354 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015335.D

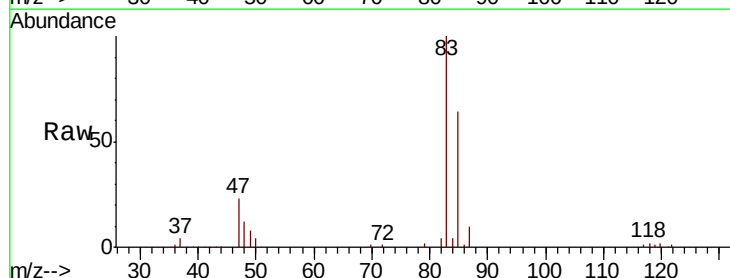
Acq: 24 Apr 2020 11:50

Tgt Ion: 83 Resp: 74371

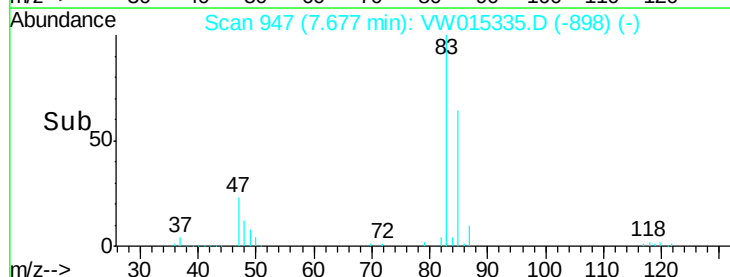
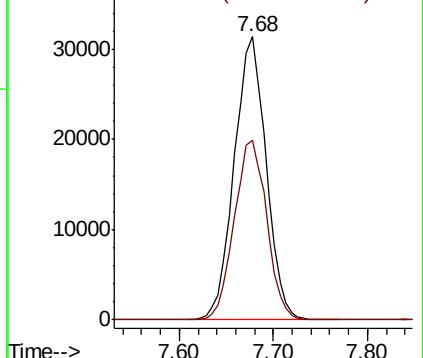
Ion Ratio Lower Upper

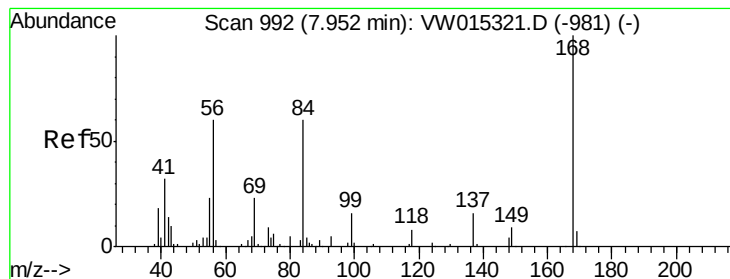
83 100

85 63.5 50.9 76.3



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





#31

Cyclohexane

Concen: 20.598 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampled :

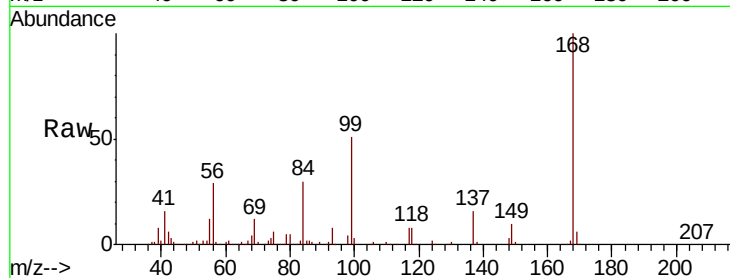
Tot Ion: 56 Resp: 66813

Ion Ratio Lower Upper

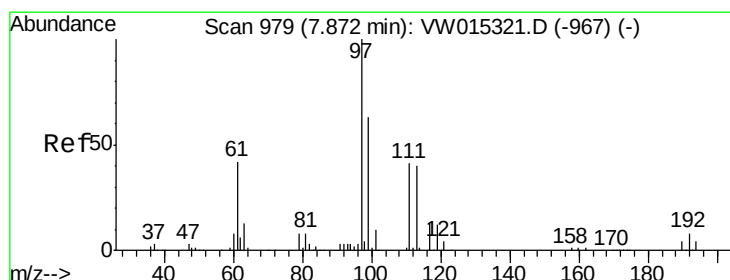
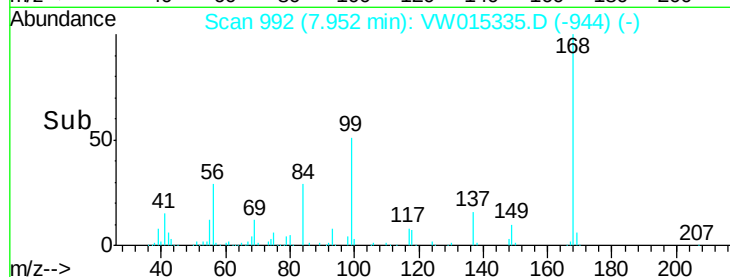
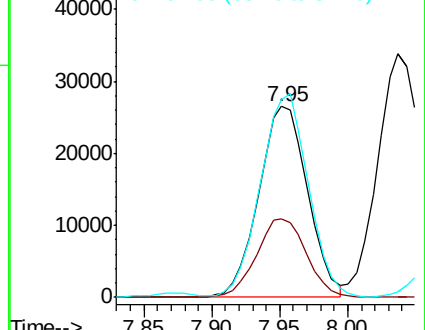
56 100

69 41.2 27.1 40.7#

84 102.2 71.9 107.9



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: 22.166 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

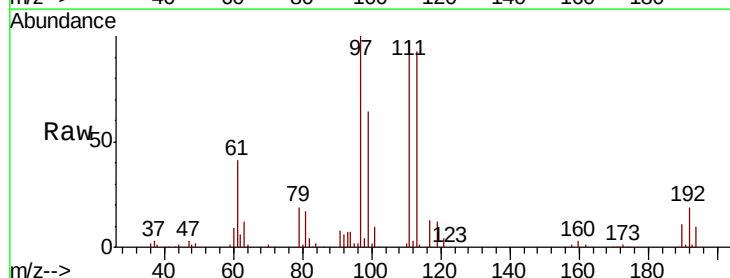
Tgt Ion: 97 Resp: 74507

Ion Ratio Lower Upper

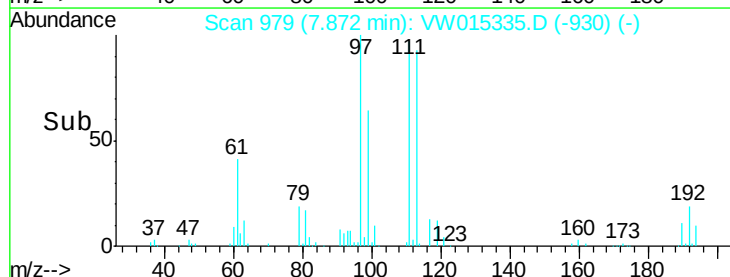
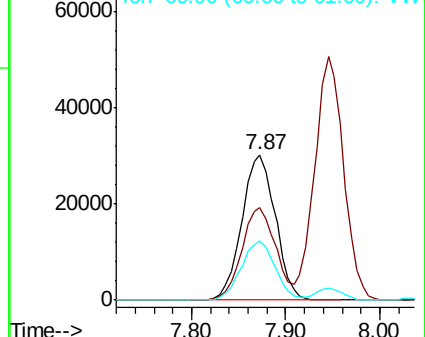
97 100

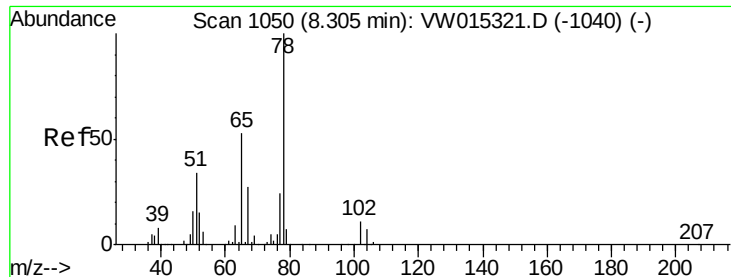
99 65.1 52.2 78.2

61 41.2 34.2 51.2



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

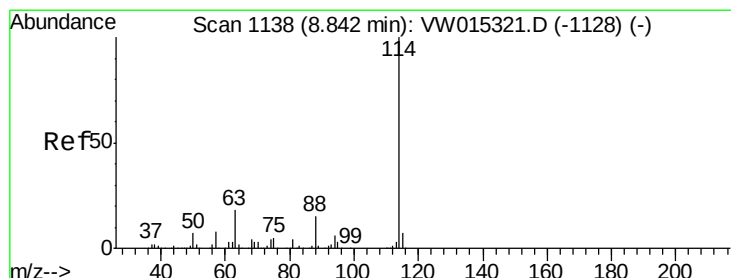
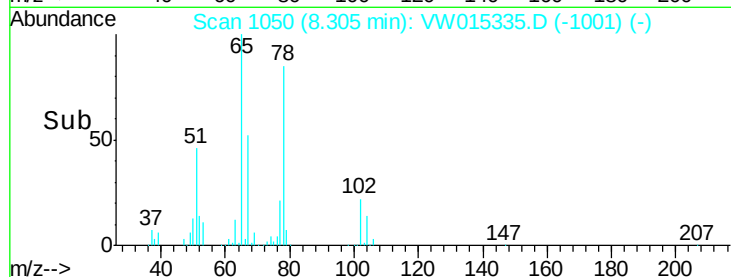
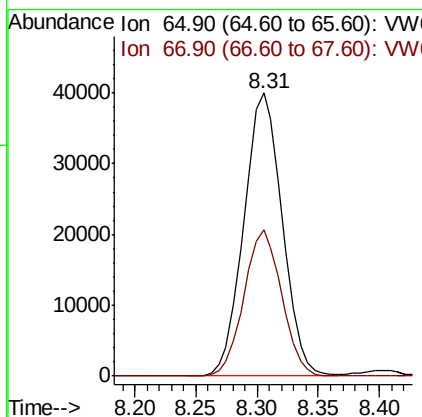
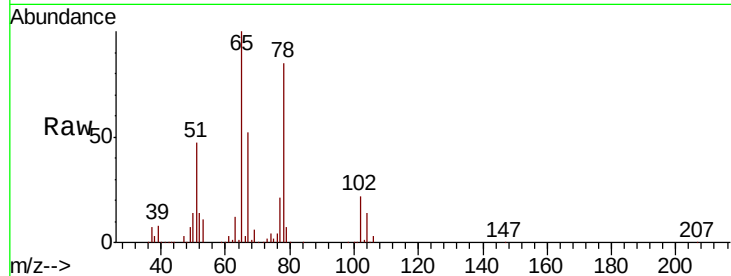




#33
 1,2-Dichloroethane-d4
 Concen: 49.841 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

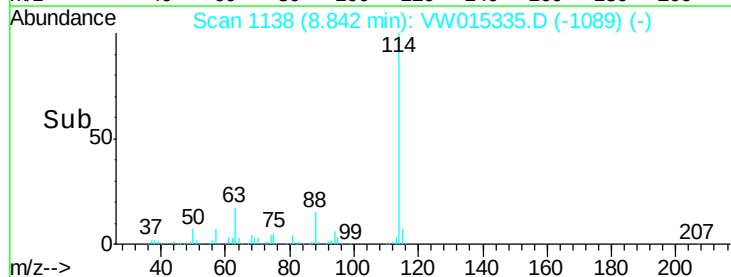
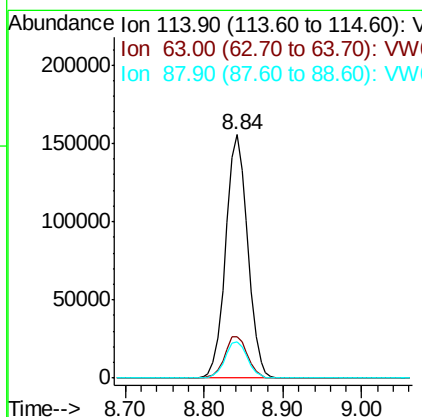
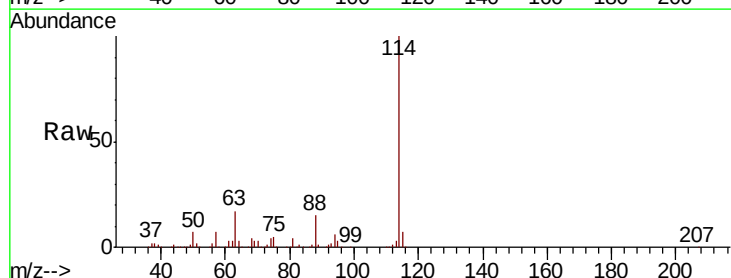
Instrument :
 MSVOA_W
 ClientSampleId :

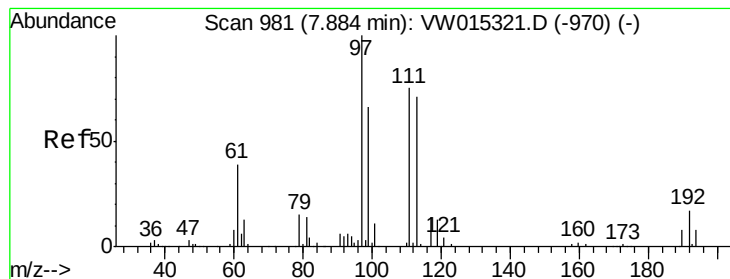
Tot Ion: 65 Resp: 87422
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion: 114 Resp: 301664
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 39.8
 88 15.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.396 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

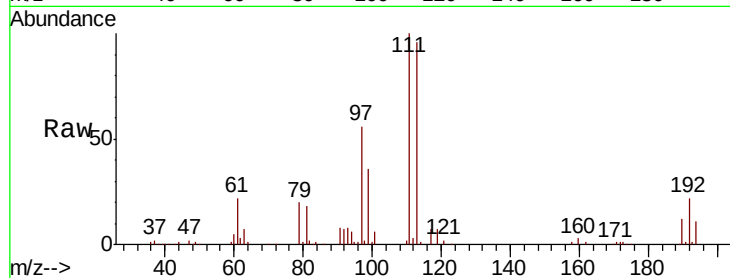
Tot Ion:113 Resp: 85882

Ion Ratio Lower Upper

113 100

111 101.3 83.0 124.4

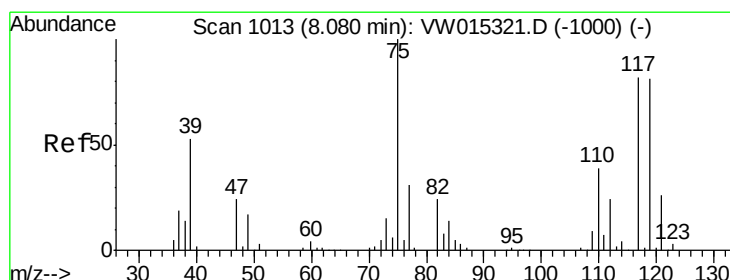
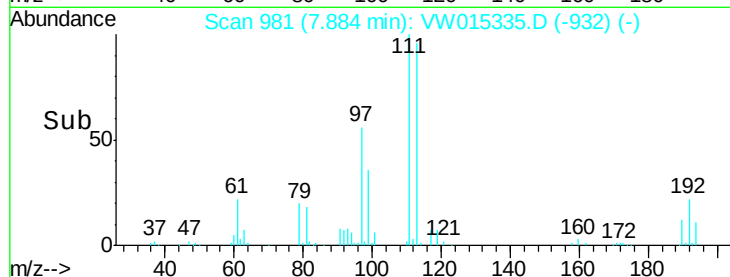
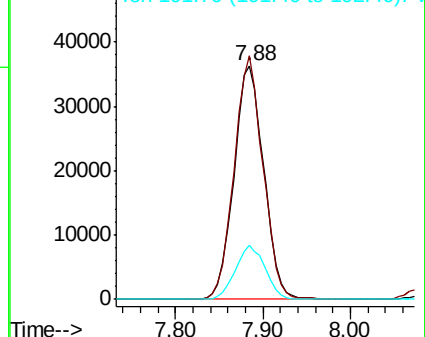
192 23.1 15.1 22.7#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.329 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

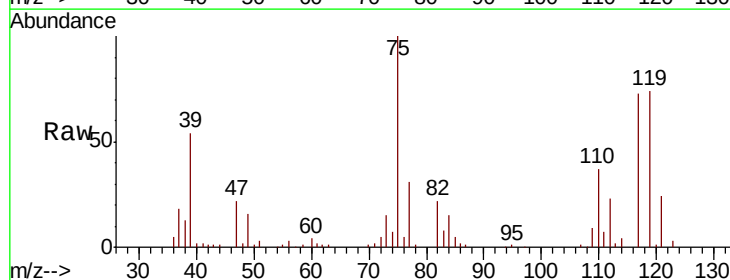
Tgt Ion: 75 Resp: 60796

Ion Ratio Lower Upper

75 100

110 38.5 18.2 54.6

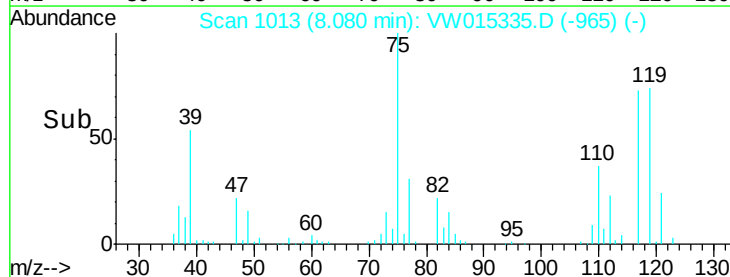
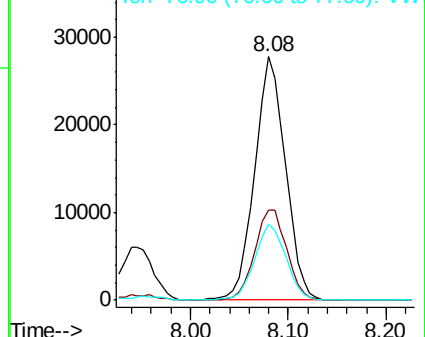
77 31.6 24.5 36.7

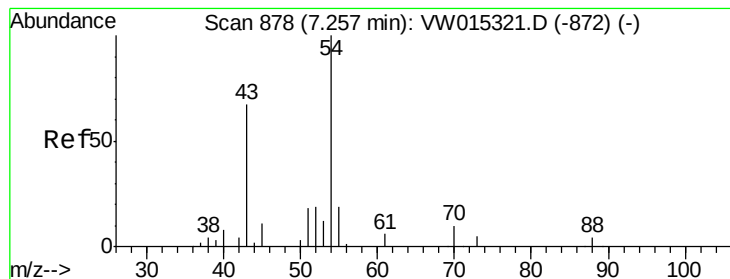


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 23.517 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

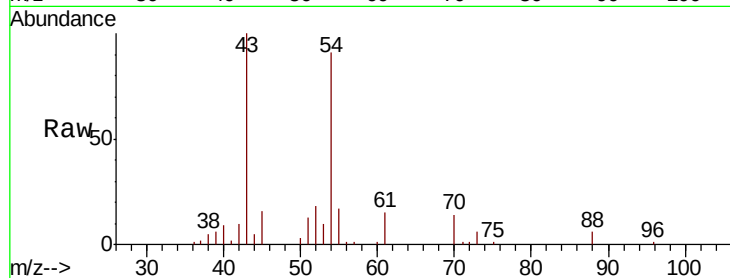
Tot Ion: 43 Resp: 20780

Ion Ratio Lower Upper

43 100

61 14.5 11.9 17.9

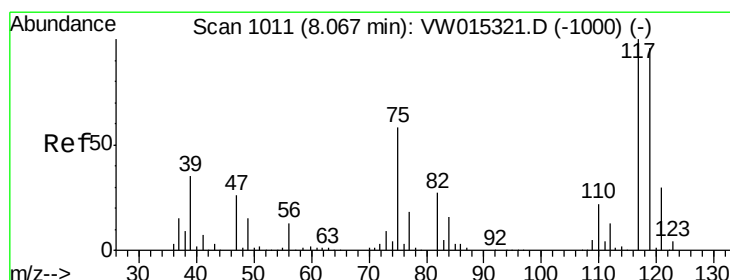
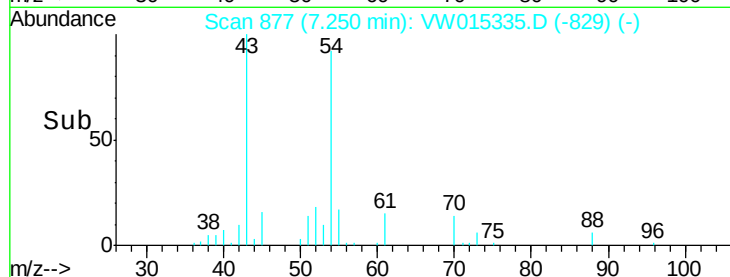
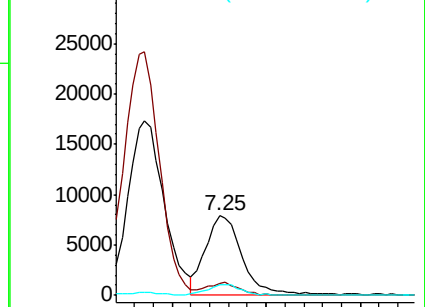
70 13.2 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 22.506 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

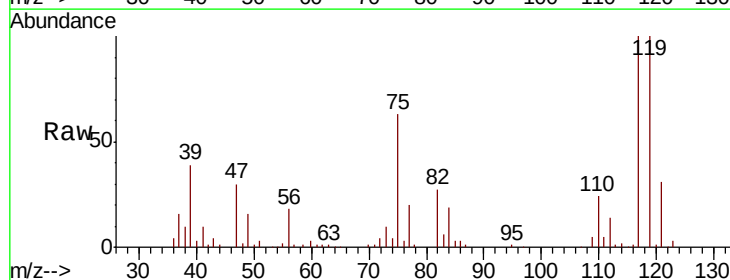
Tgt Ion: 117 Resp: 66964

Ion Ratio Lower Upper

117 100

119 99.7 72.3 108.5

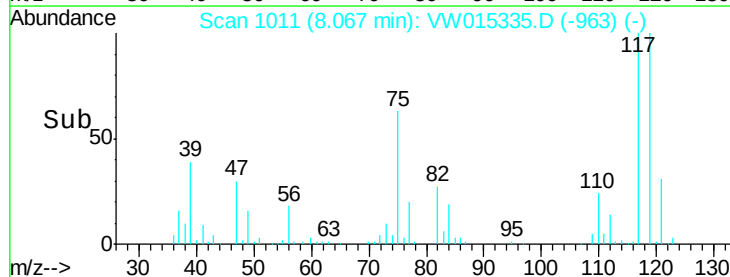
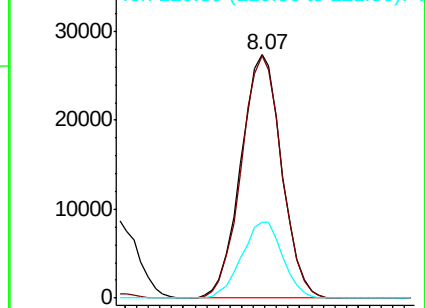
121 31.3 23.7 35.5

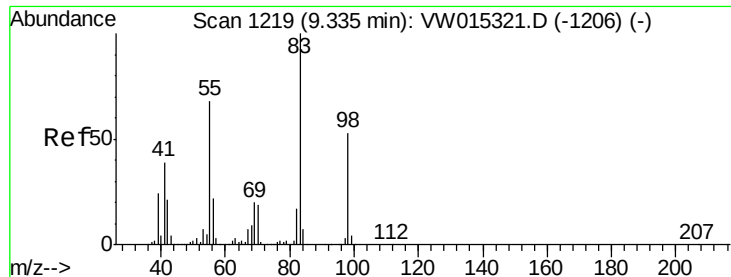


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

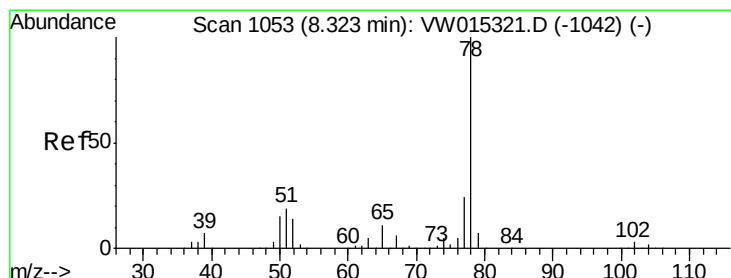
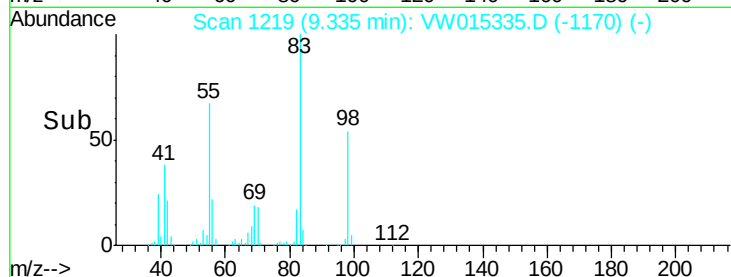
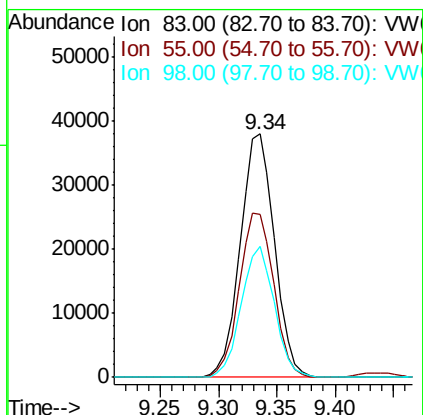
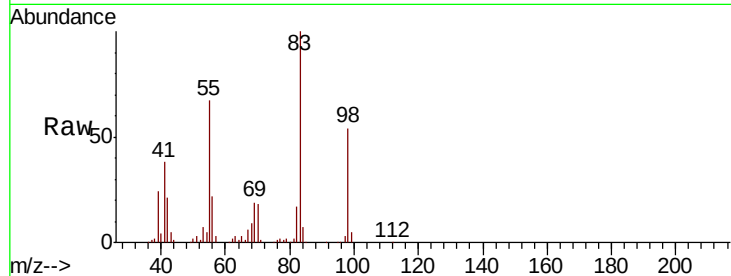




#39
Methylvlcyclohexane
Concen: 21.519 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

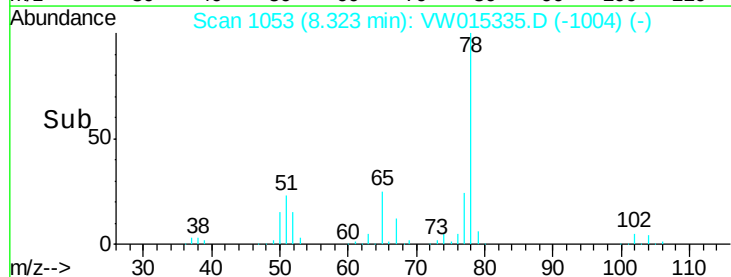
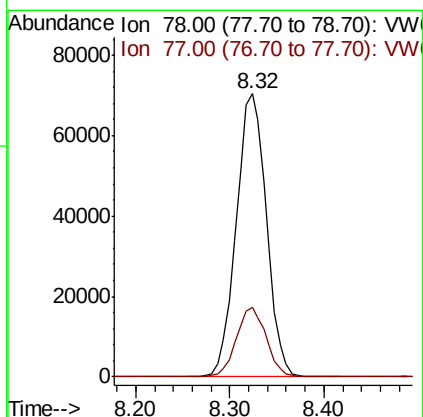
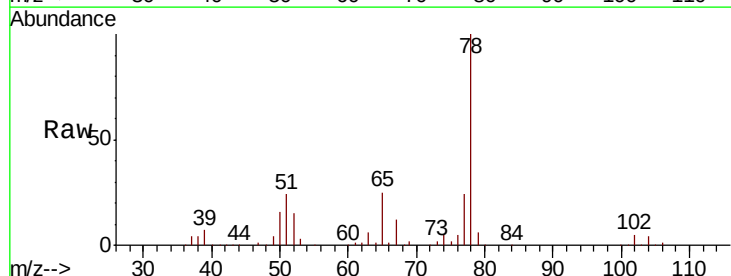
Instrument :
MSVOA_W
ClientSampled :

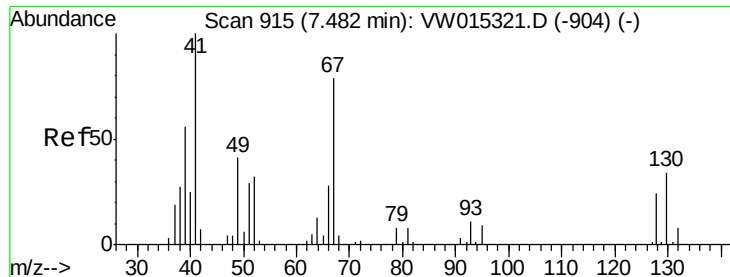
Tot Ion: 83 Resp: 77981
Ion Ratio Lower Upper
83 100
55 67.0 58.1 87.1
98 53.8 40.2 60.4



#40
Benzene
Concen: 21.622 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

Tgt Ion: 78 Resp: 157256
Ion Ratio Lower Upper
78 100
77 24.4 18.2 27.2

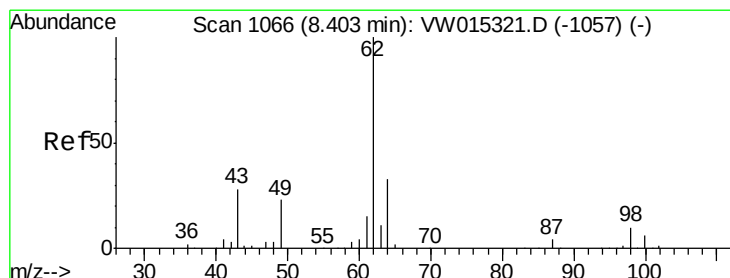
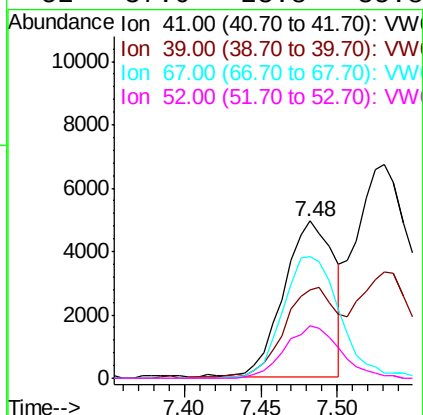
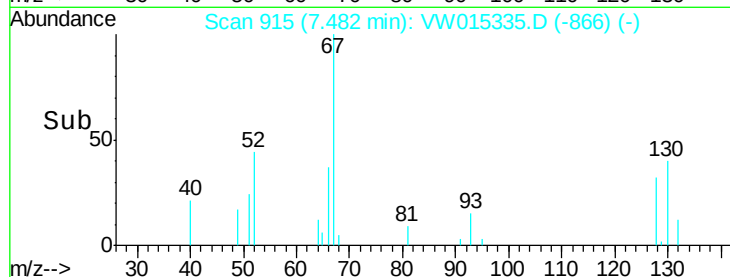
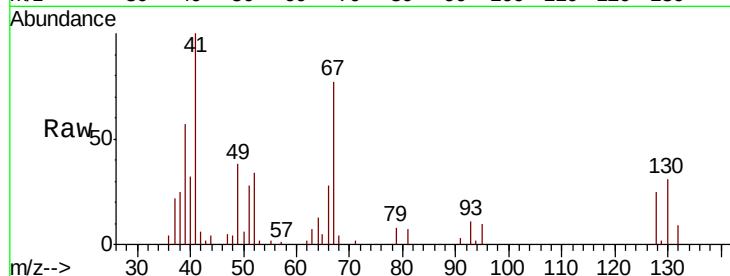




#41
Methacrylonitrile
Concen: 21.168 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

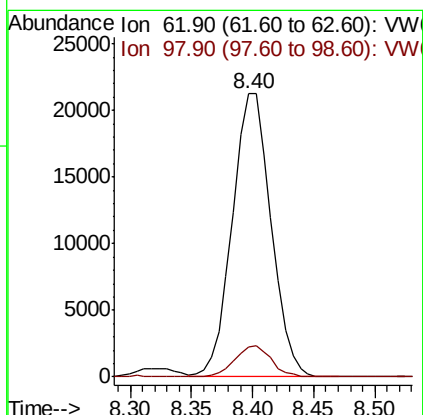
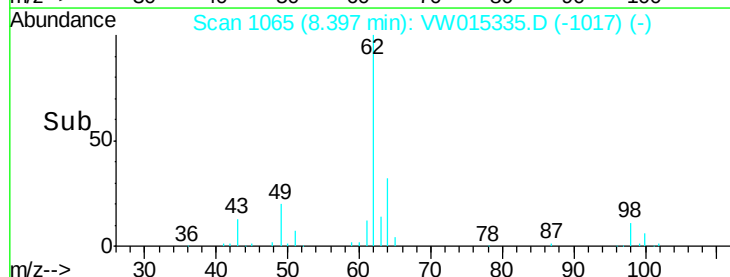
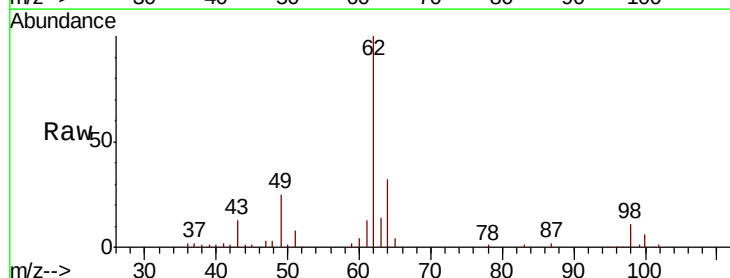
Instrument :
MSVOA_W
ClientSampled :

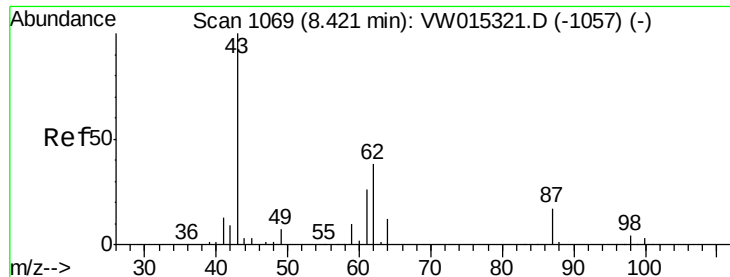
Tot Ion: 41 Resp: 11223
Ion Ratio Lower Upper
41 100
39 65.7 41.9 62.9#
67 89.1 60.6 91.0
52 37.0 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 21.886 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

Tgt Ion: 62 Resp: 46861
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.4





#43

Isopropyl Acetate

Concen: 22.367 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampled :

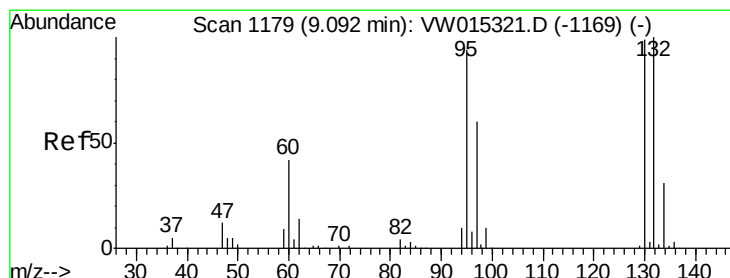
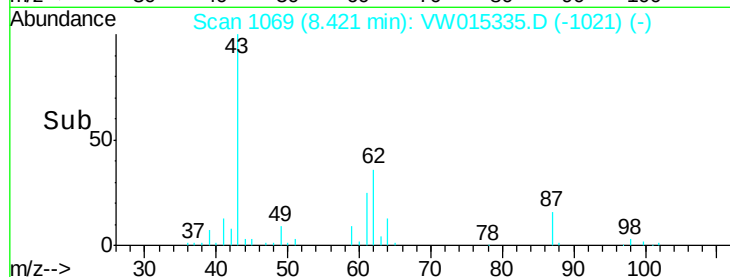
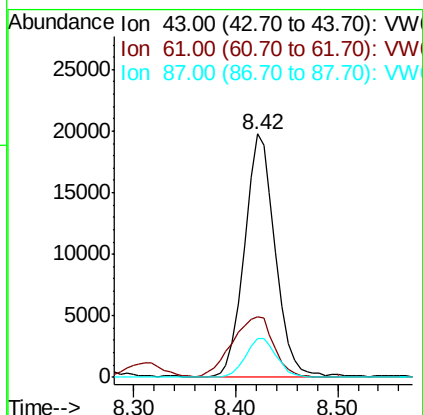
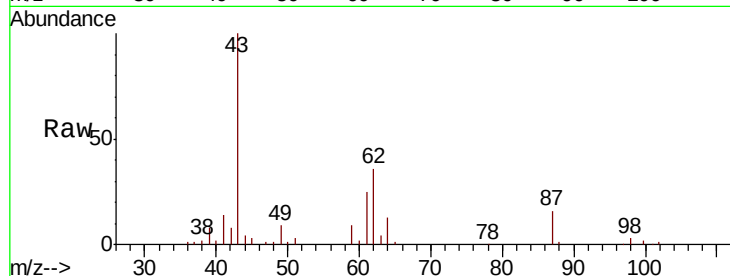
Tot Ion: 43 Resp: 41452

Ion Ratio Lower Upper

43 100

61 33.7 24.8 37.2

87 16.1 11.4 17.2



#44

Trichloroethene

Concen: 22.935 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015335.D

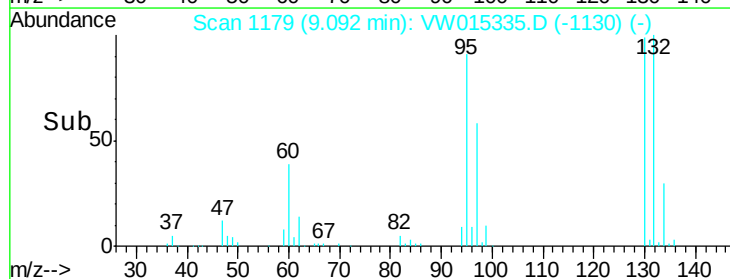
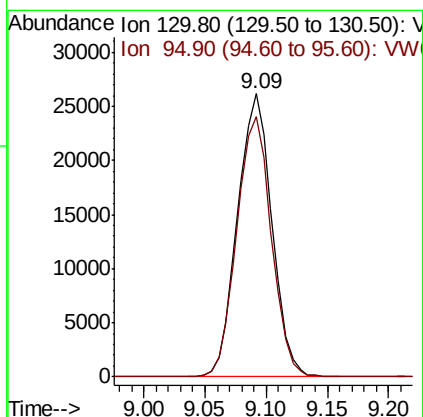
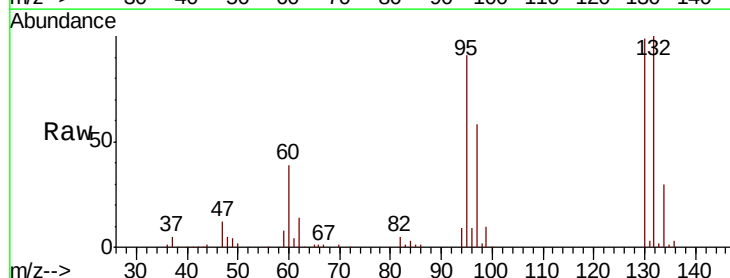
Acq: 24 Apr 2020 11:50

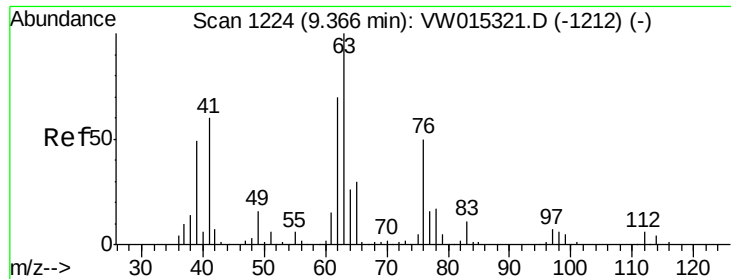
Tgt Ion: 130 Resp: 51022

Ion Ratio Lower Upper

130 100

95 92.0 0.0 196.4

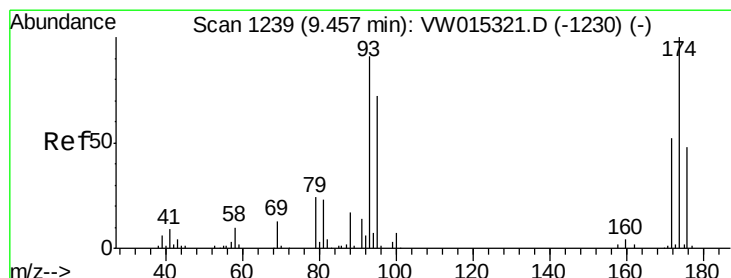
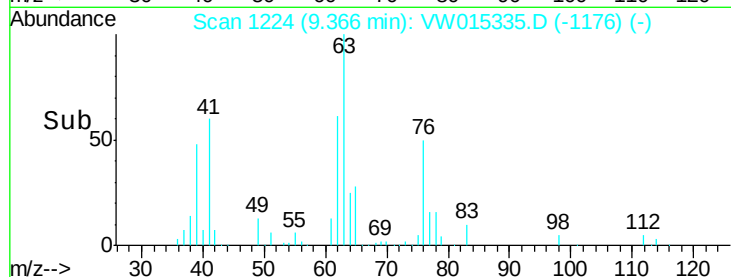
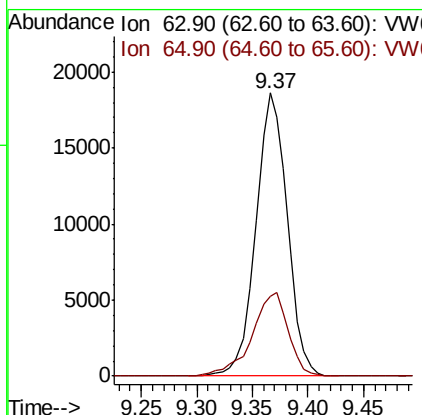
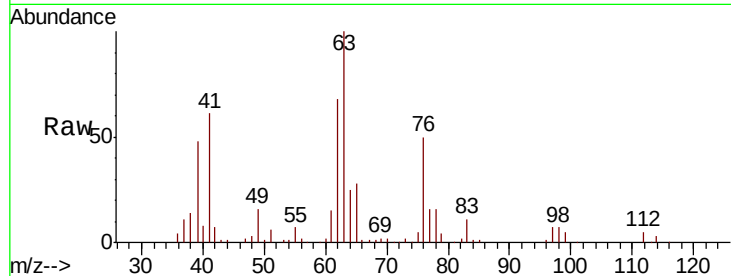




#45
 1,2-Dichloropropane
 Concen: 21.657 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

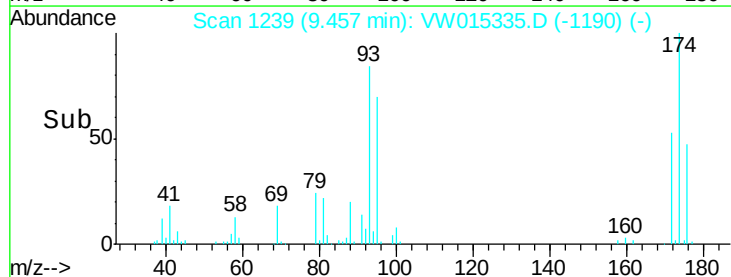
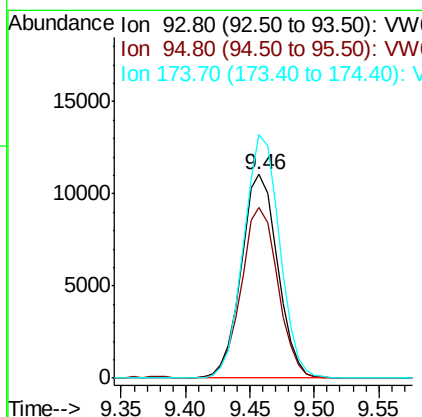
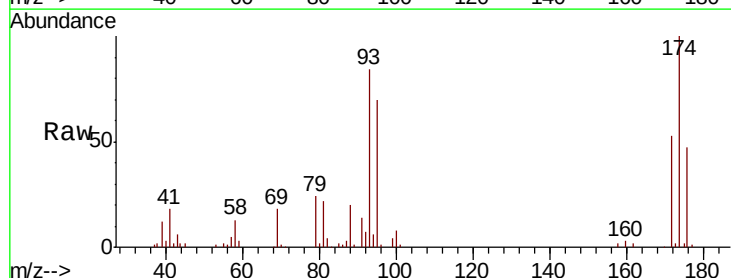
Instrument :
 MSVOA_W
 ClientSampled :

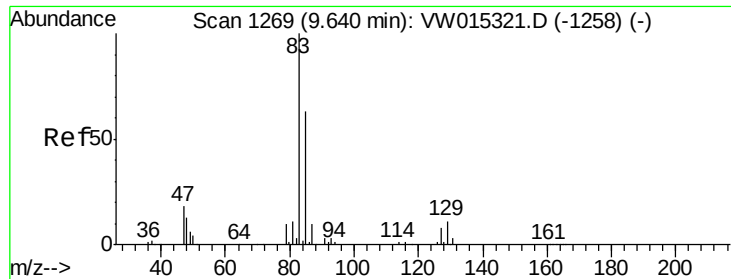
Tot Ion: 63 Resp: 36630
 Ion Ratio Lower Upper
 63 100
 65 28.4 25.5 38.3



#46
 Dibromomethane
 Concen: 22.129 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion: 93 Resp: 21651
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.5 101.3
 174 117.9 74.1 111.1#





#47

Bromodichloromethane

Concen: 22.112 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

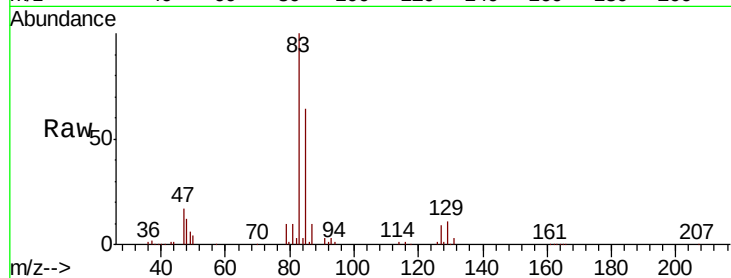
Tot Ion: 83 Resp: 57833

Ion Ratio Lower Upper

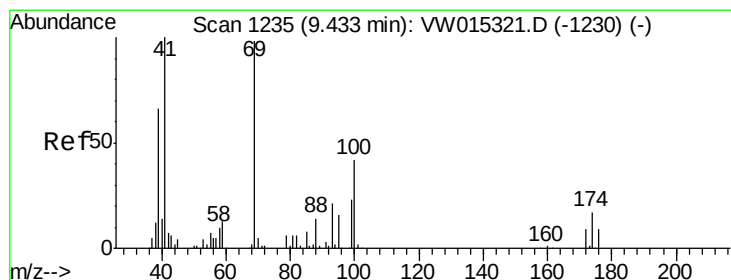
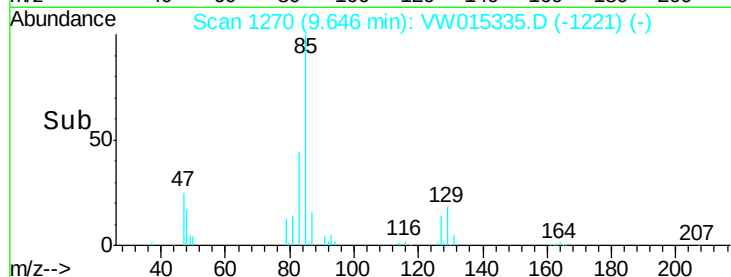
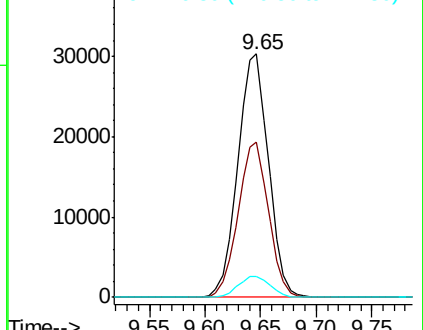
83 100

85 63.9 50.6 76.0

127 8.8 6.7 10.1



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



#48

Methyl methacrylate

Concen: 20.429 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

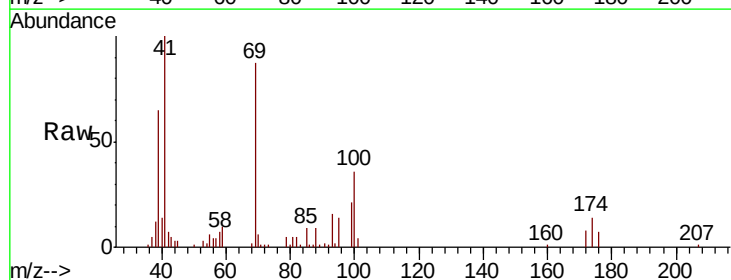
Tgt Ion: 41 Resp: 17898

Ion Ratio Lower Upper

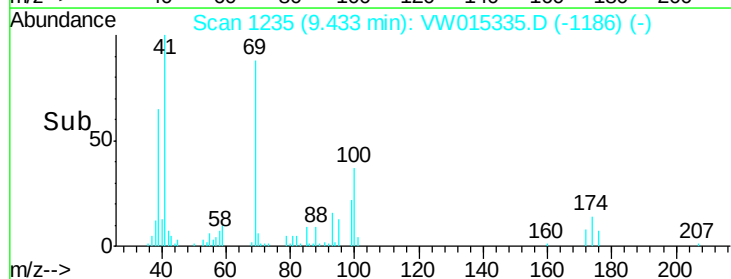
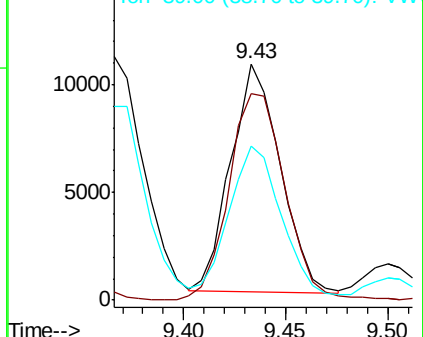
41 100

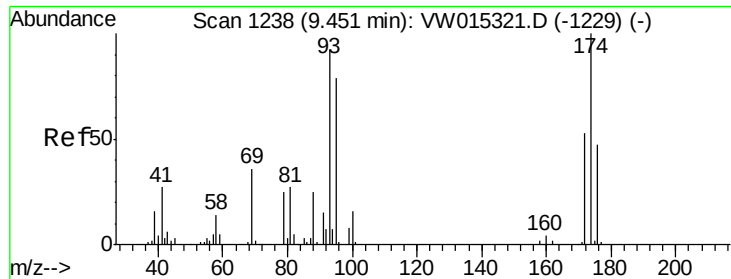
69 102.7 70.6 105.8

39 74.0 42.6 64.0#



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





#49

1,4-Dioxane

Concen: 462.165 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_W
ClientSampled :

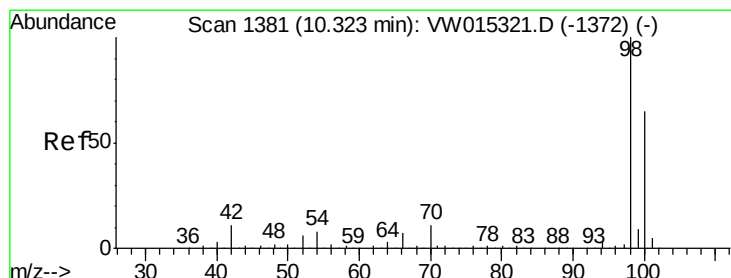
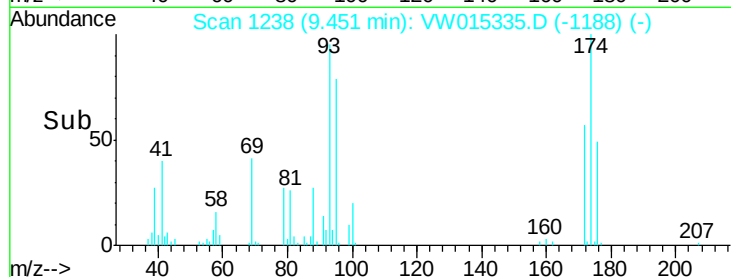
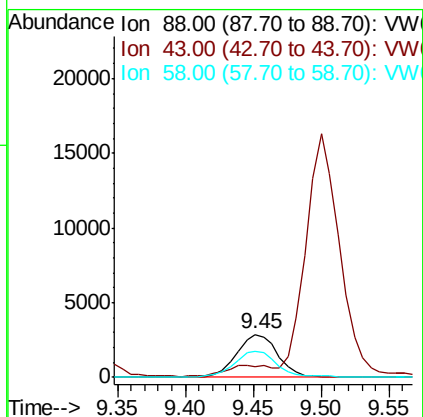
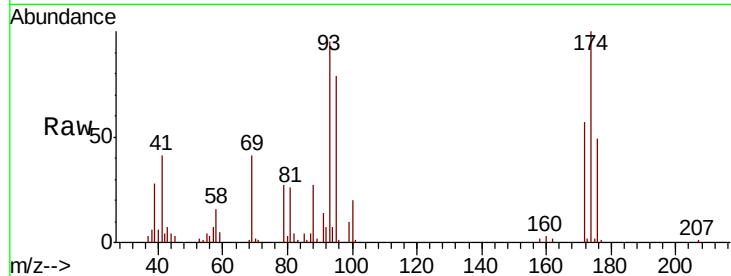
Tot Ion: 88 Resp: 6028

Ion Ratio Lower Upper

88 100

43 31.9 23.5 35.3

58 64.8 55.4 83.2



#50

Toluene-d8

Concen: 48.007 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015335.D

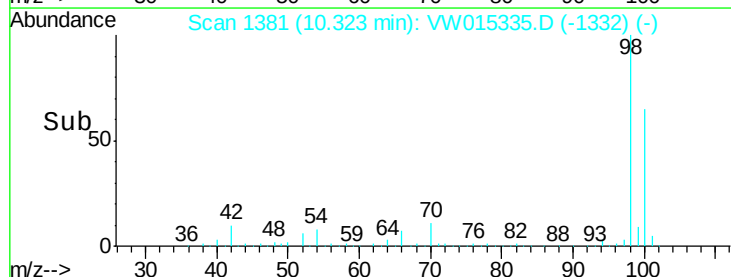
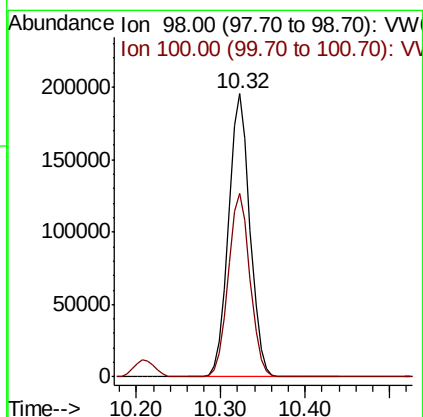
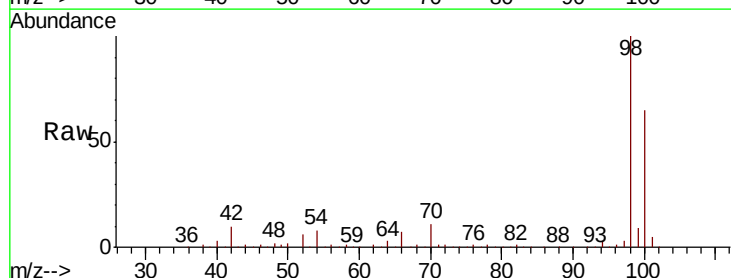
Acq: 24 Apr 2020 11:50

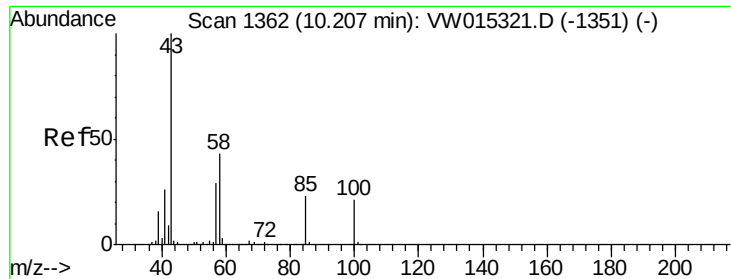
Tgt Ion: 98 Resp: 337453

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3

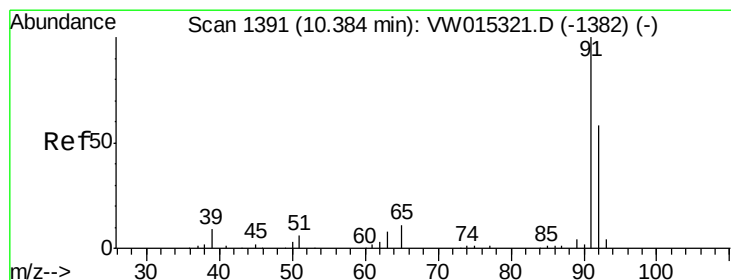
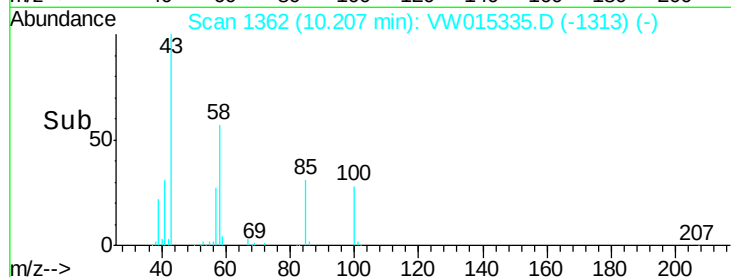
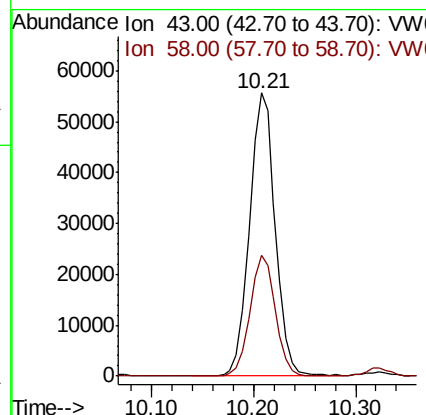
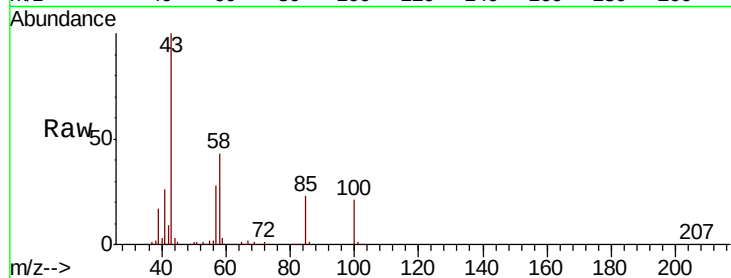




#51
 4-Methyl-2-Pentanone
 Concen: 111.403 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

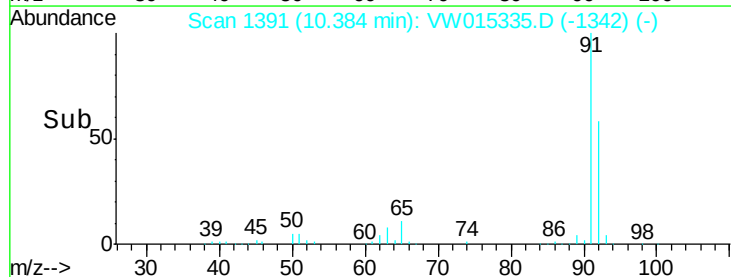
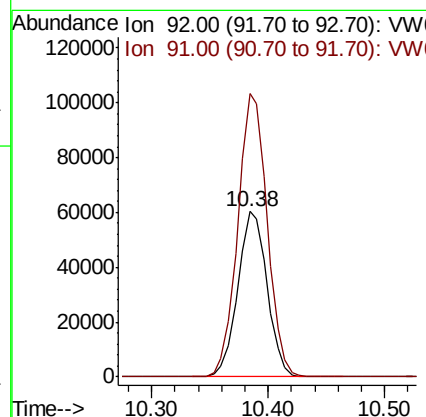
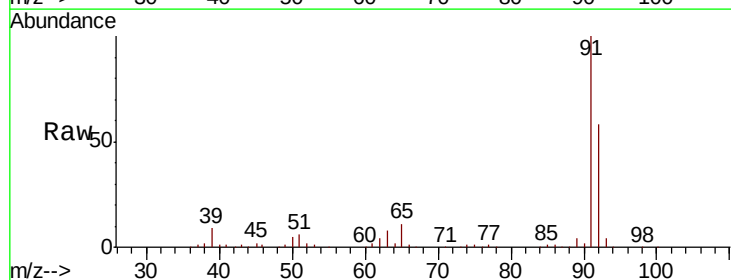
Instrument :
 MSVOA_W
 ClientSampleId :

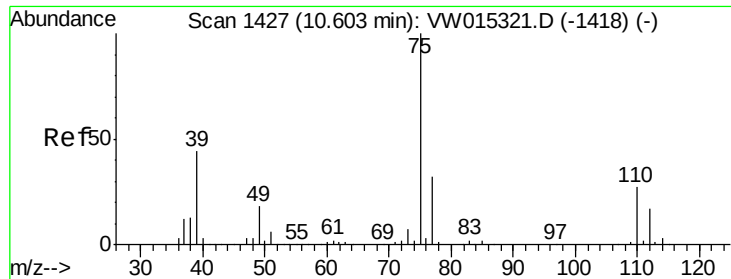
Tot Ion: 43 Resp: 96918
 Ion Ratio Lower Upper
 43 100
 58 42.3 32.3 48.5



#52
 Toluene
 Concen: 20.808 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion: 92 Resp: 105913
 Ion Ratio Lower Upper
 92 100
 91 171.7 137.1 205.7

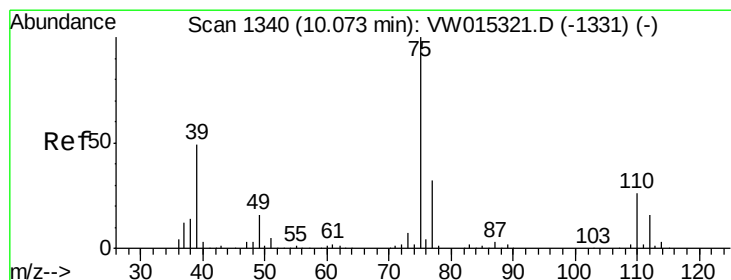
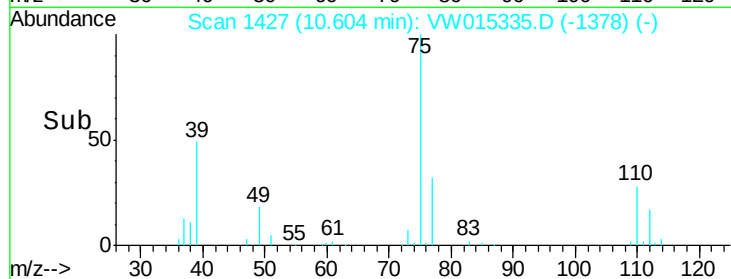
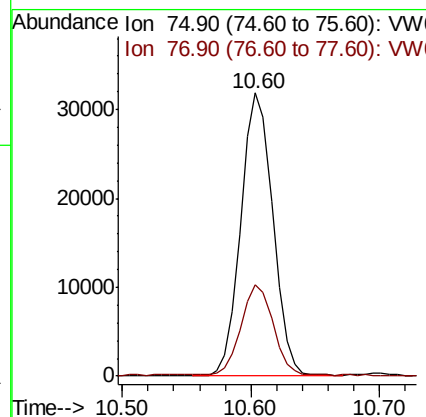
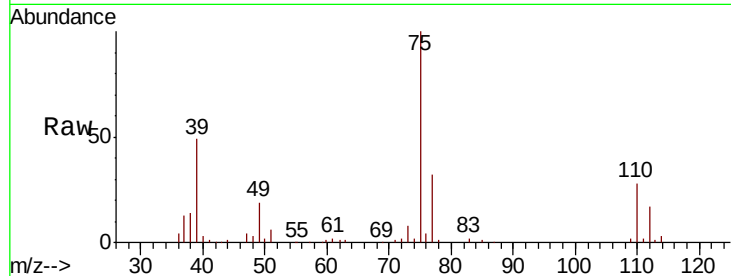




#53
 t-1,3-Dichloropropene
 Concen: 21.318 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

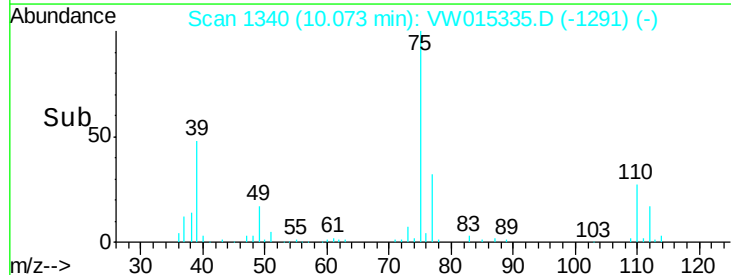
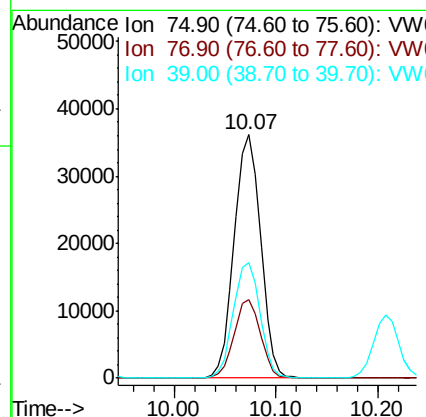
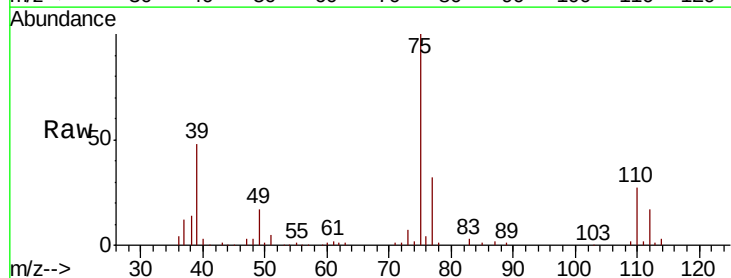
Instrument :
 MSVOA_W
 ClientSampleId :

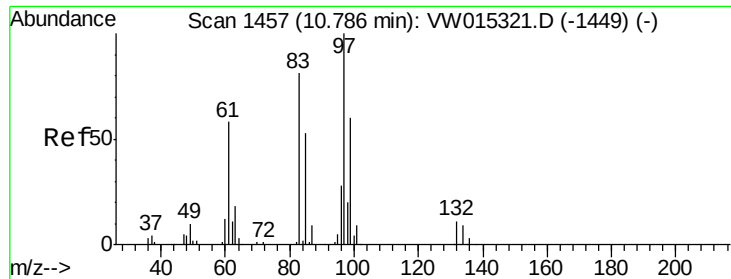
Tot Ion: 75 Resp: 54978
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 21.704 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion: 75 Resp: 65061
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.6 39.8
 39 47.7 37.8 56.6

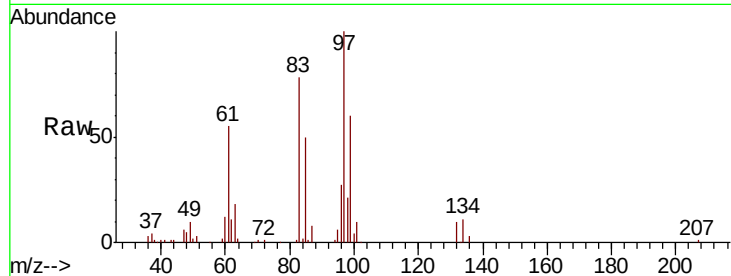




#55
 1,1,2-Trichloroethane
 Concen: 22.467 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	30779
Ion	Ratio	Lower	Upper
97	100		
83	78.3	67.3	100.9
85	49.5	43.8	65.8
99	60.3	51.4	77.0



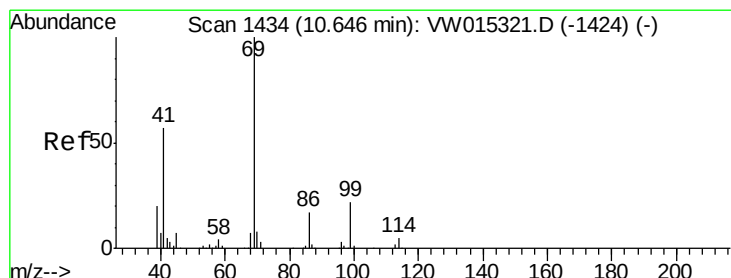
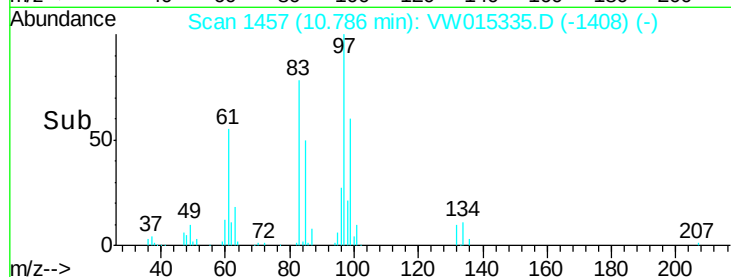
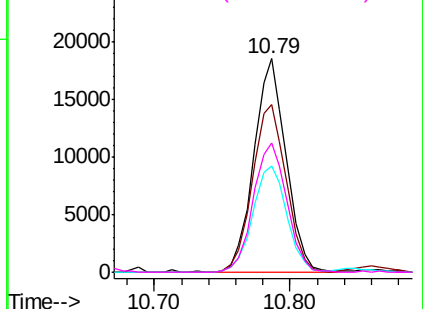
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

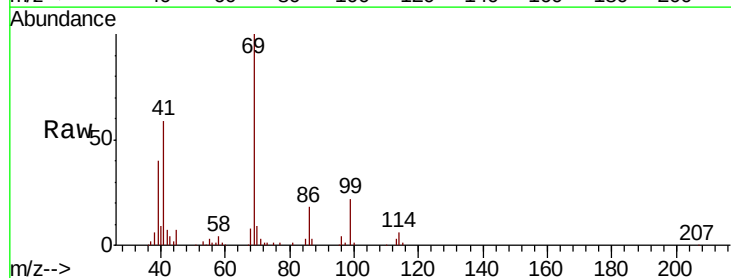
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.716 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion:	69	Resp:	36562
Ion	Ratio	Lower	Upper
69	100		
41	58.6	51.3	76.9
39	36.1	24.6	37.0

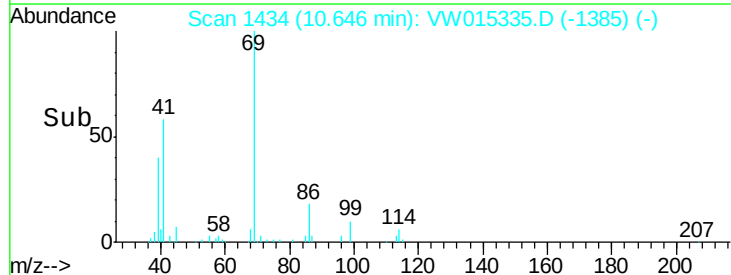
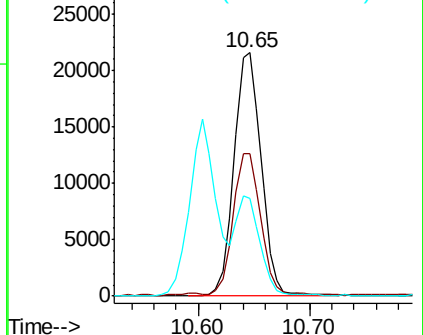


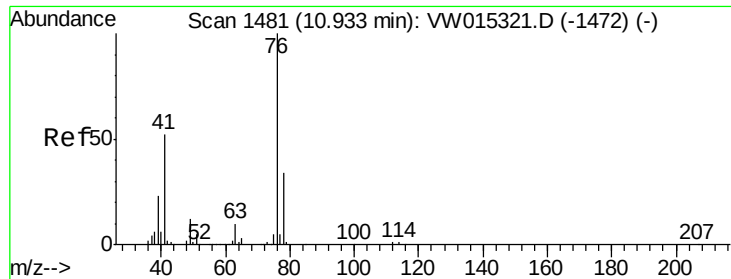
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

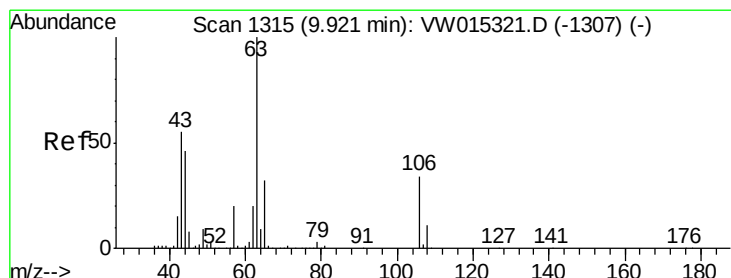
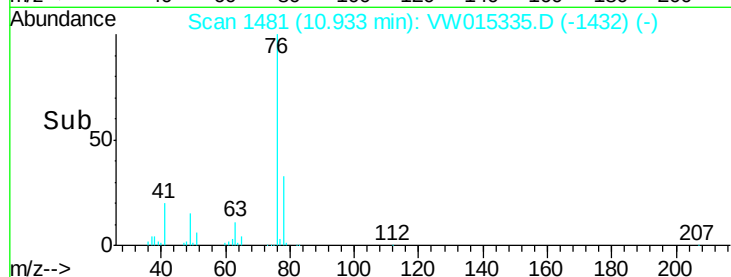
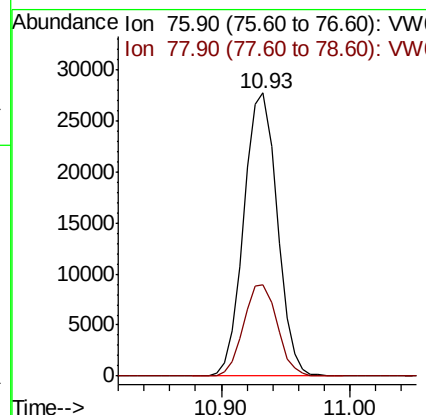
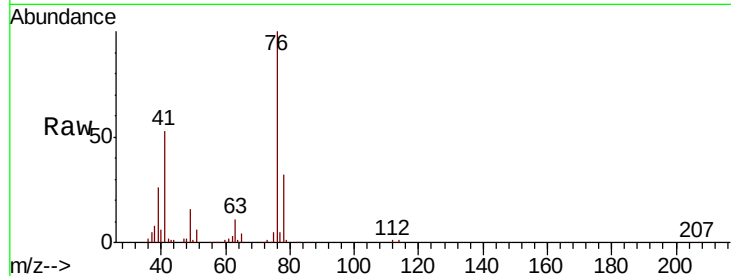




#57
 1,3-Dichloropropane
 Concen: 21.927 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

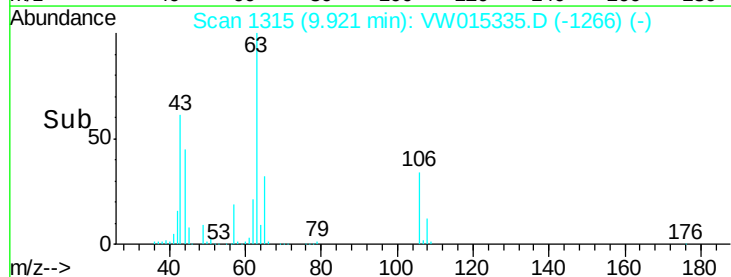
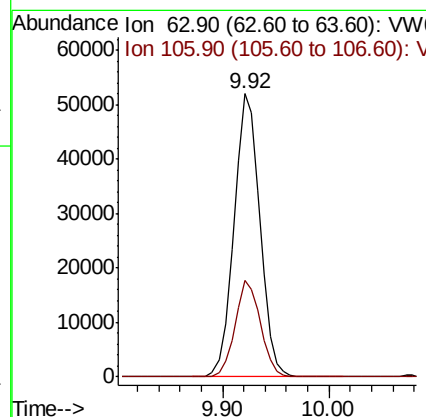
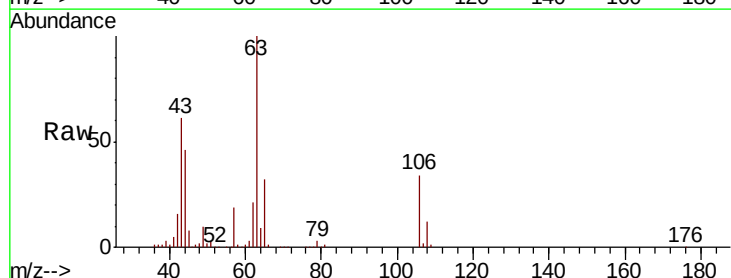
Instrument :
 MSVOA_W
 ClientSampleId :

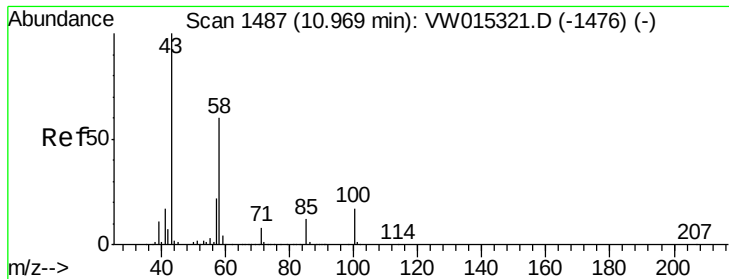
Tot Ion: 76 Resp: 49761
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.334 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion: 63 Resp: 88643
 Ion Ratio Lower Upper
 63 100
 106 33.3 22.6 33.8





#59

2-Hexanone

Concen: 109.780 ug/l

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

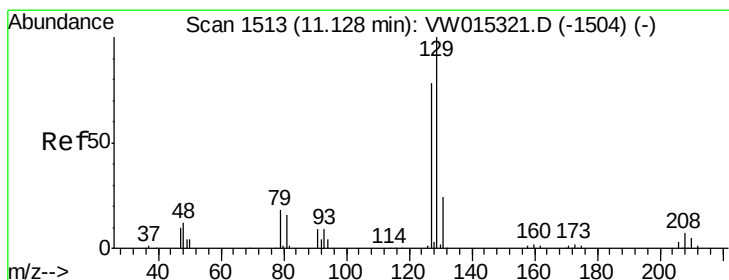
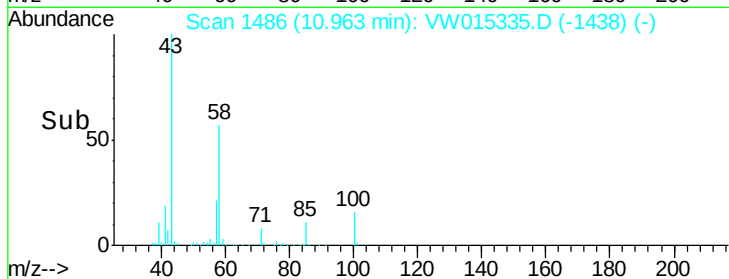
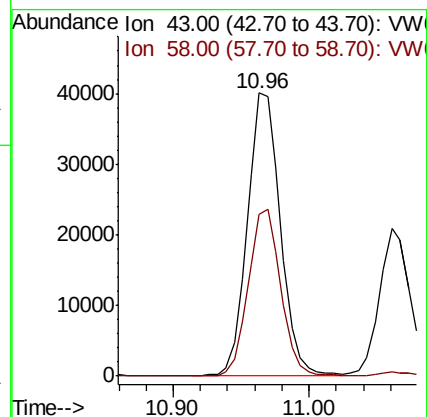
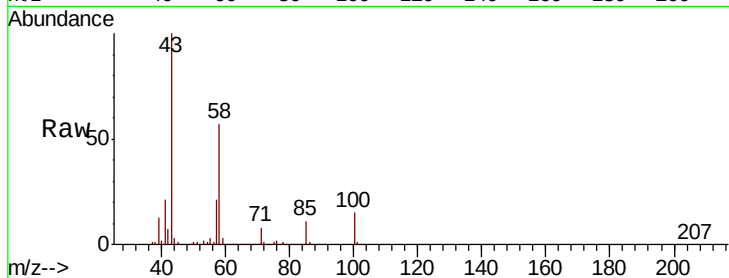
ClientSampleId :

Tot Ion: 43 Resp: 68176

Ion Ratio Lower Upper

43 100

58 57.8 28.1 84.3



#60

Dibromochloromethane

Concen: 22.574 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015335.D

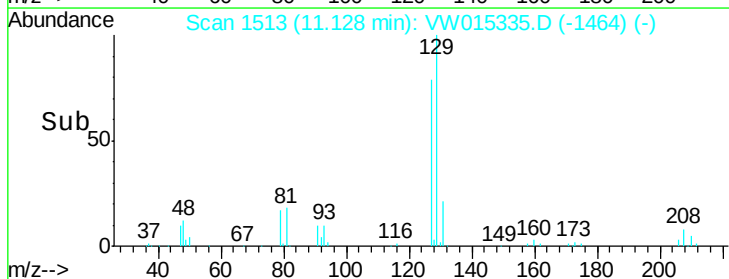
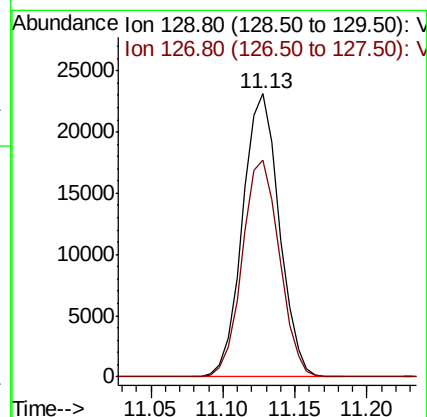
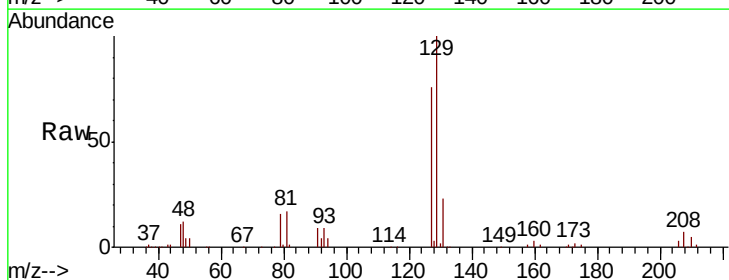
Acq: 24 Apr 2020 11:50

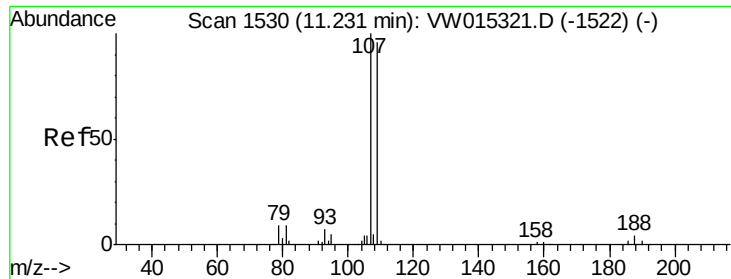
Tgt Ion: 129 Resp: 40833

Ion Ratio Lower Upper

129 100

127 77.3 38.3 114.8

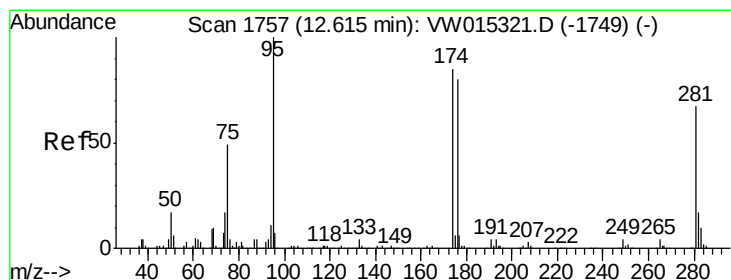
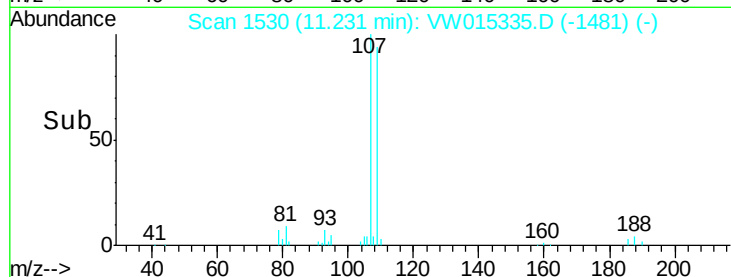
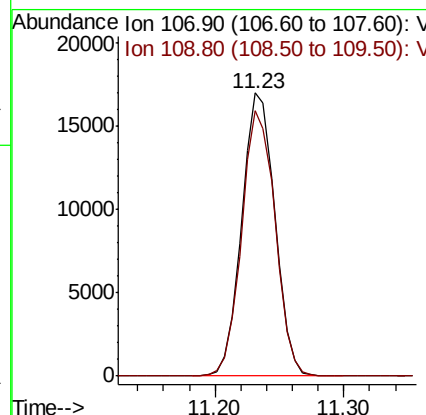
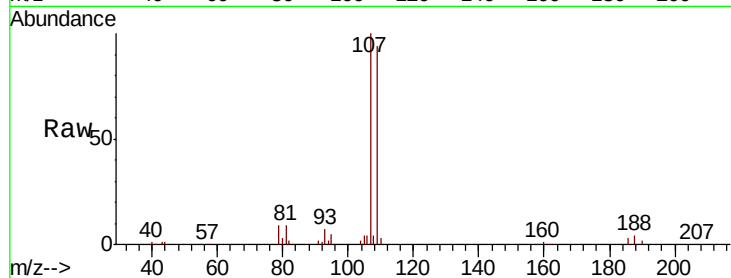




#61
 1,2-Dibromoethane
 Concen: 22.525 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

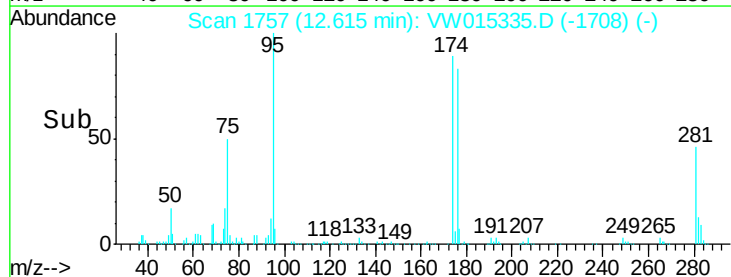
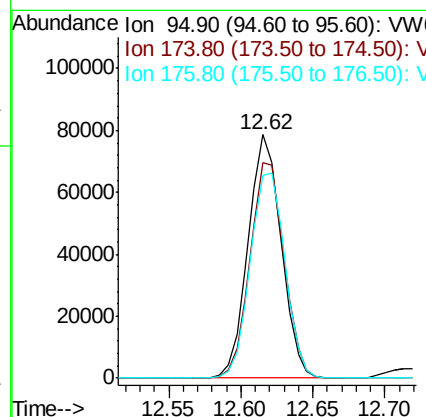
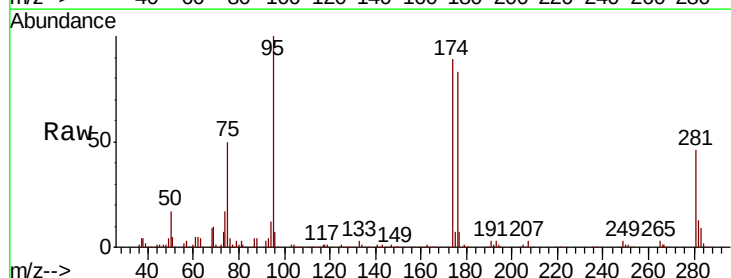
Instrument :
 MSVOA_W
 ClientSampleId :

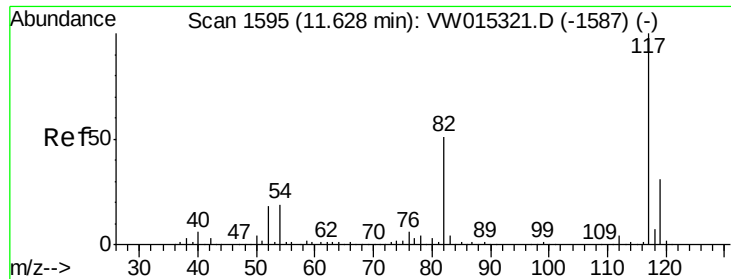
Tot Ion:107 Resp: 30111
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 46.536 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion: 95 Resp: 124810
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 144.4
 176 88.4 0.0 140.6

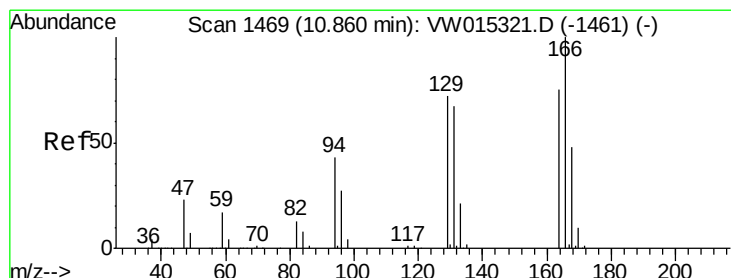
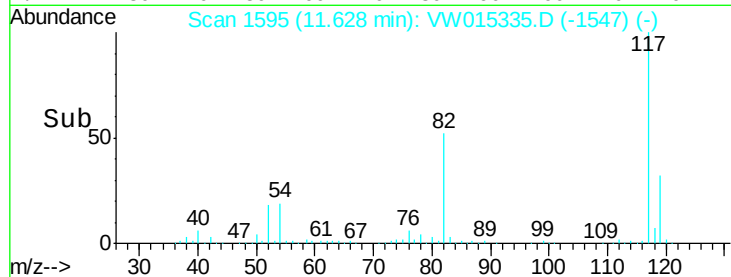
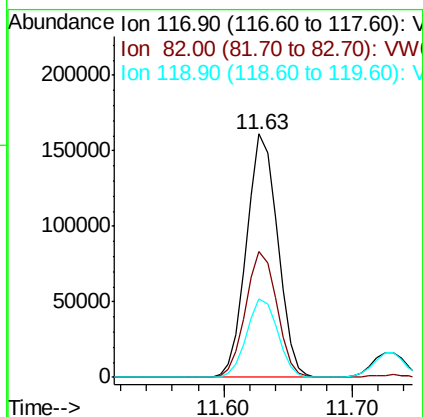
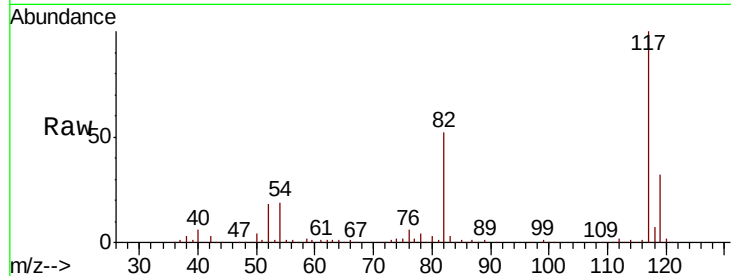




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

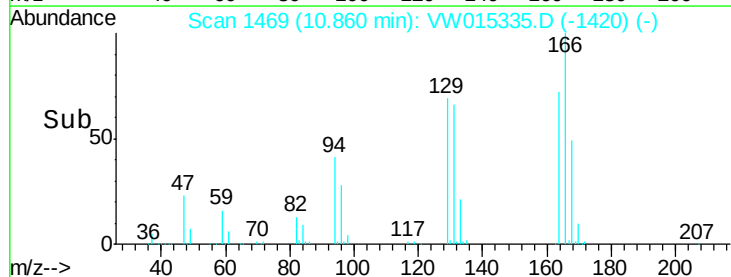
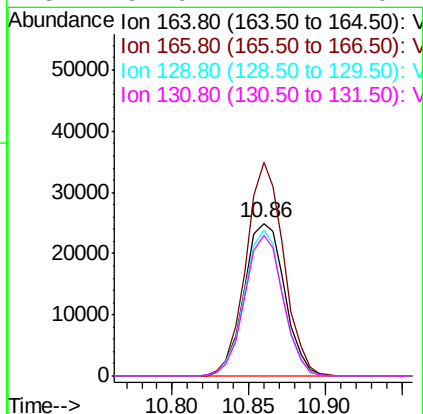
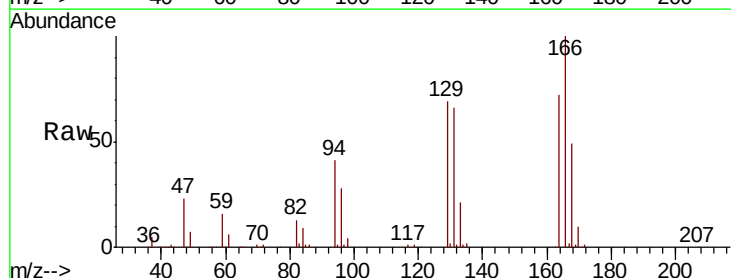
Instrument :
MSVOA_W
ClientSampleId :

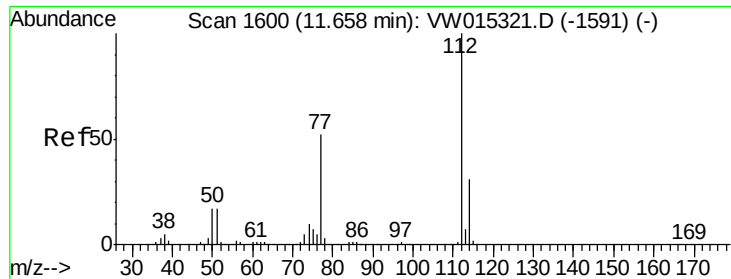
Tot Ion:117 Resp: 269119
Ion Ratio Lower Upper
117 100
82 51.6 44.1 66.1
119 32.1 24.9 37.3



#64
Tetrachloroethene
Concen: 23.873 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

Tgt Ion:164 Resp: 45853
Ion Ratio Lower Upper
164 100
166 139.8 102.6 154.0
129 95.8 80.2 120.2
131 92.0 77.4 116.2

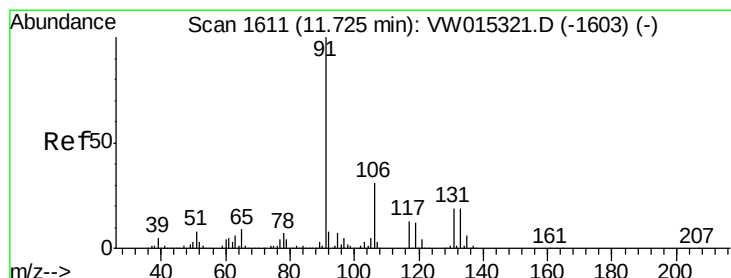
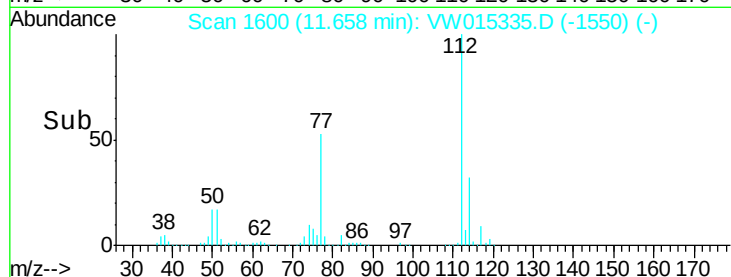
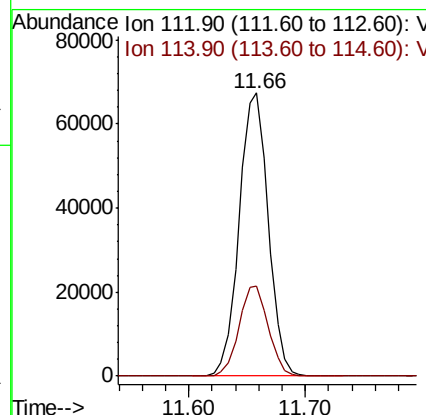
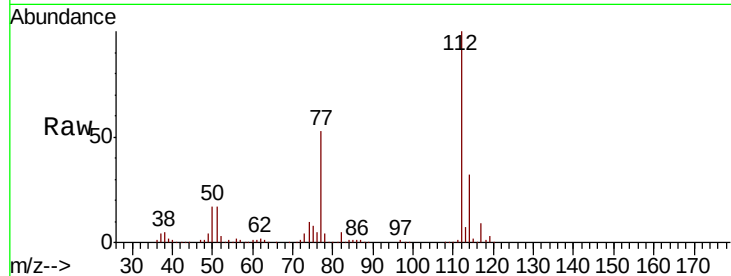




#65
Chlorobenzene
Concen: 22.170 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

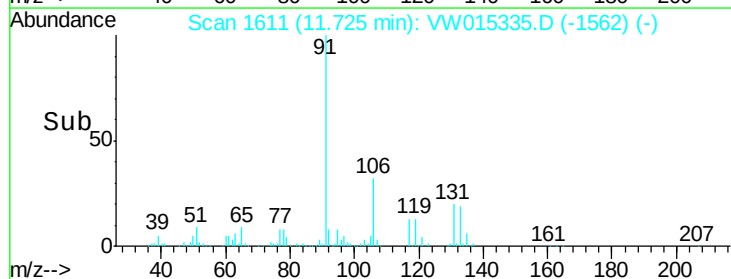
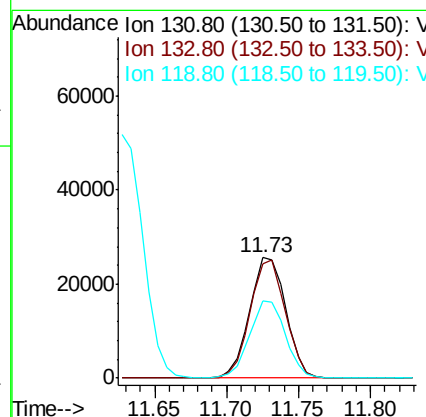
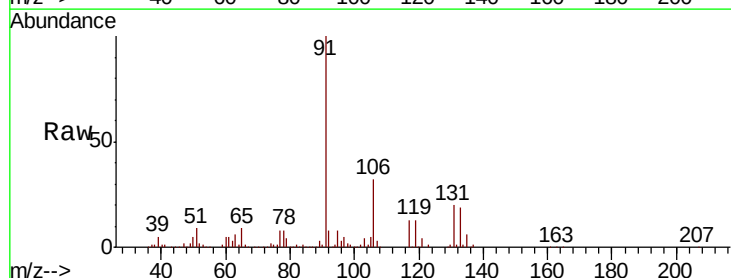
Instrument :
MSVOA_W
ClientSampleId :

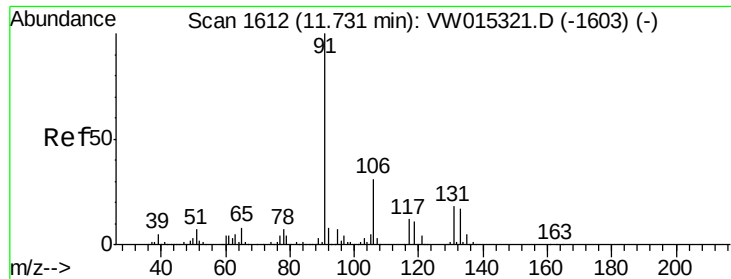
Tot Ion:112 Resp: 117075
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 23.382 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

Tgt Ion:131 Resp: 44379
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 63.9 34.0 101.8

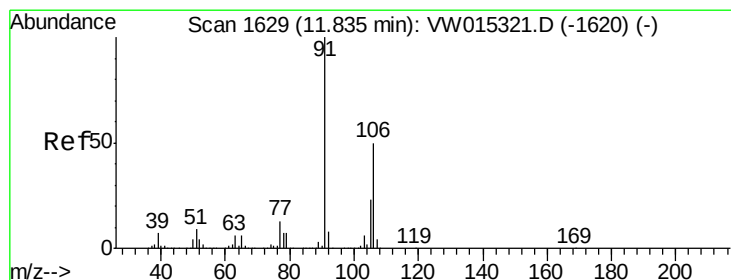
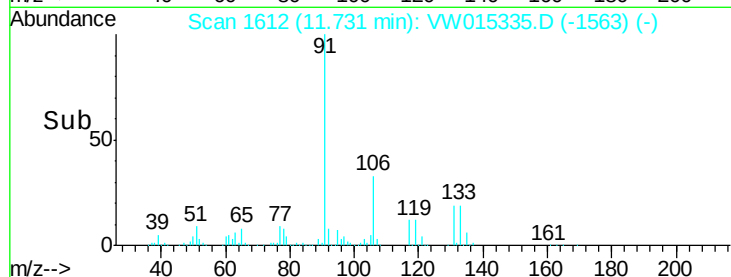
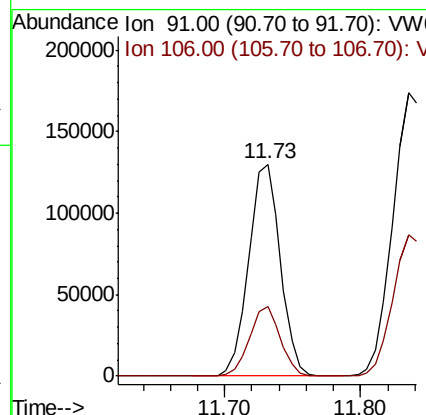
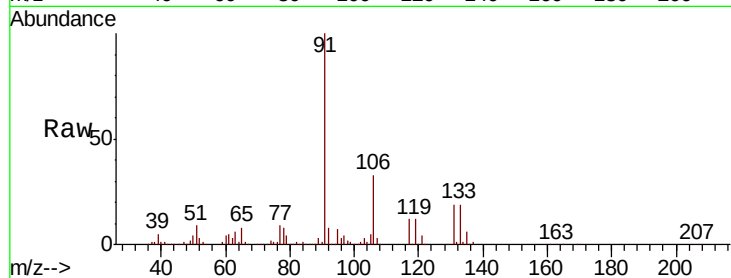




#67
Ethyl Benzene
Concen: 21.540 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

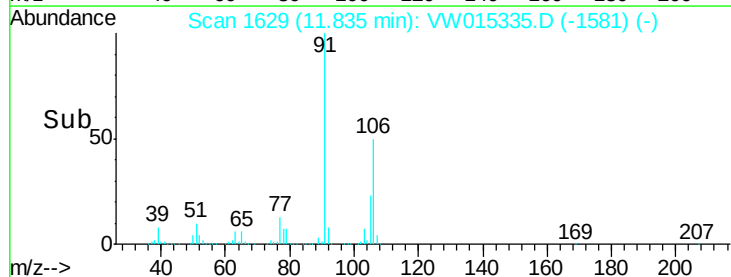
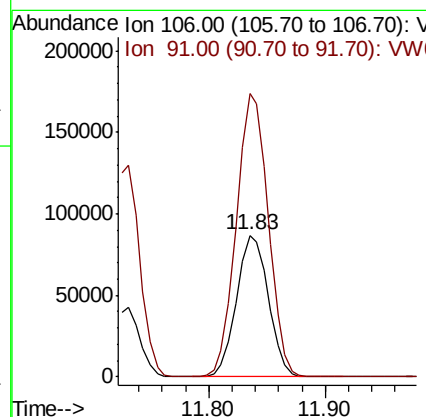
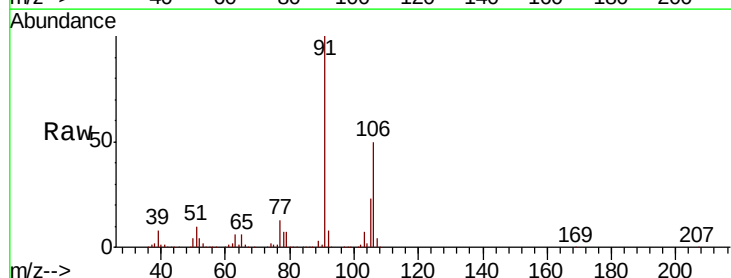
Instrument :
MSVOA_W
ClientSampleId :

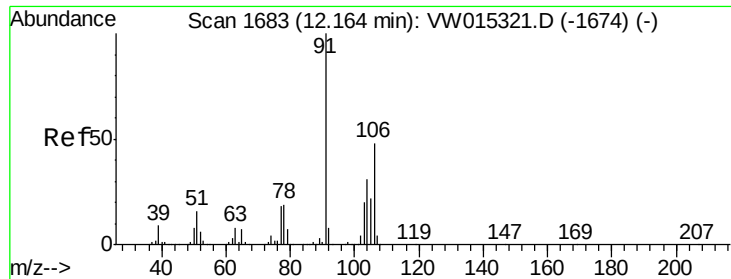
Tot Ion: 91 Resp: 212127
Ion Ratio Lower Upper
91 100
106 33.1 25.7 38.5



#68
m/p-Xylenes
Concen: 42.959 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

Tgt Ion: 106 Resp: 165833
Ion Ratio Lower Upper
106 100
91 200.4 160.0 240.0

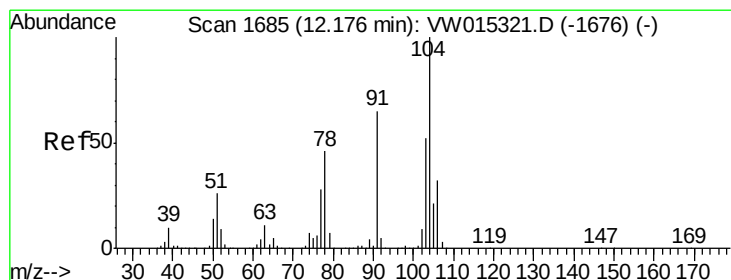
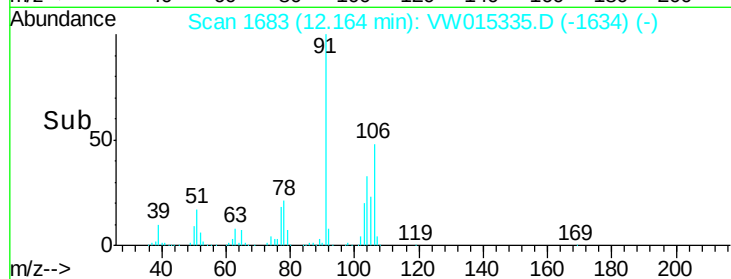
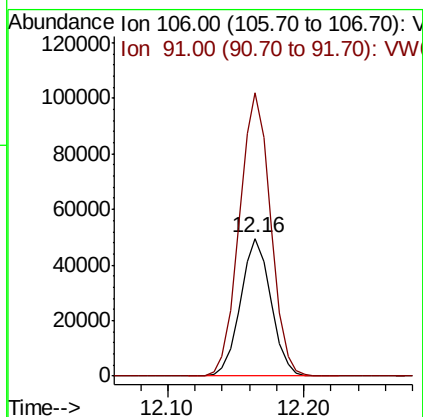
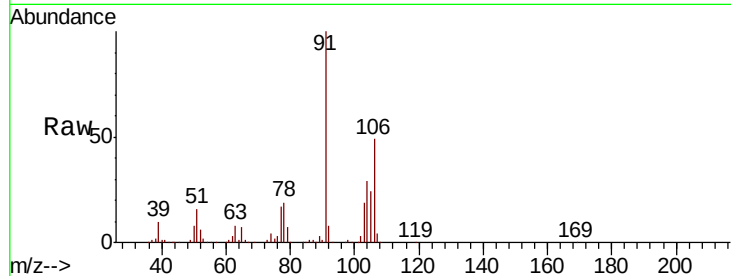




#69
o-Xylene
Concen: 21.484 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

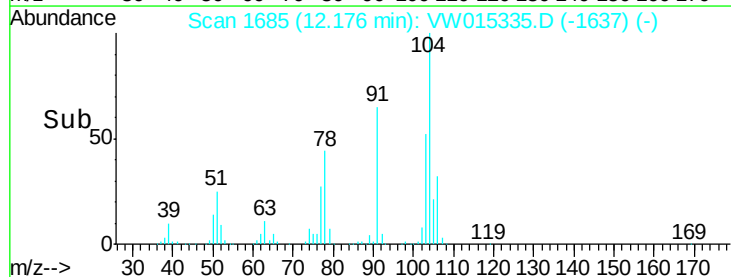
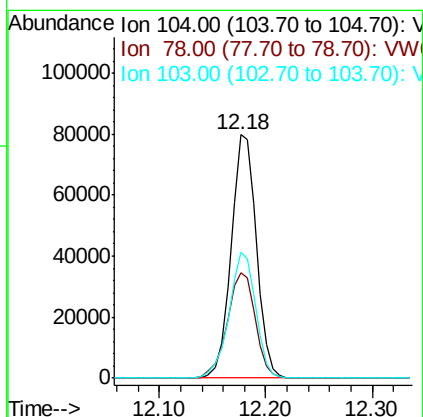
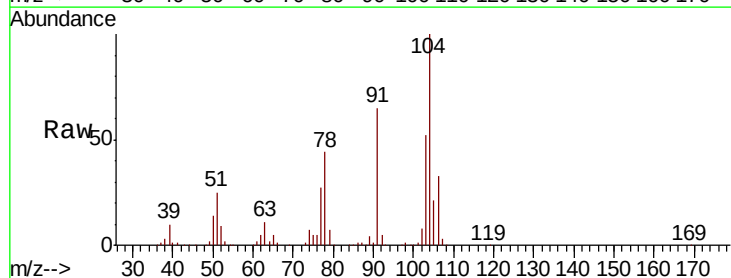
Instrument :
MSVOA_W
ClientSampled :

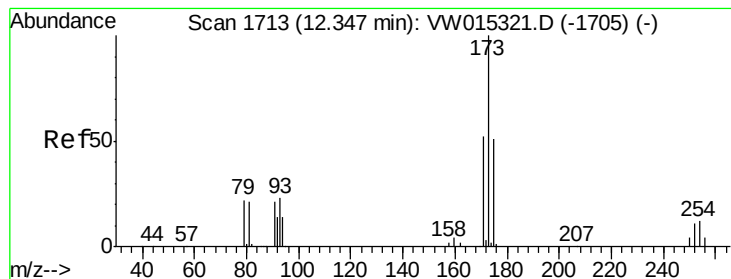
Tot Ion:106 Resp: 77411
Ion Ratio Lower Upper
106 100
91 211.0 105.7 317.1



#70
Styrene
Concen: 21.572 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

Tgt Ion:104 Resp: 132494
Ion Ratio Lower Upper
104 100
78 48.1 39.8 59.6
103 54.3 43.8 65.6





#71

Bromoform

Concen: 23.665 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

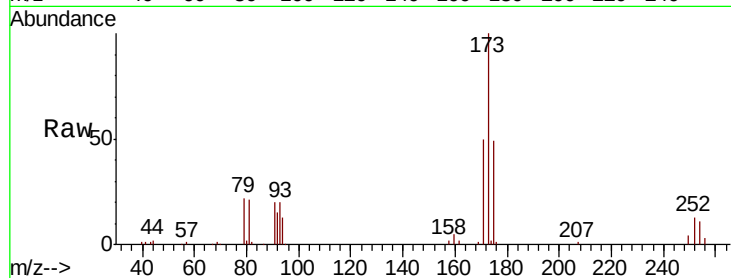
Tot Ion:173 Resp: 25309

Ion Ratio Lower Upper

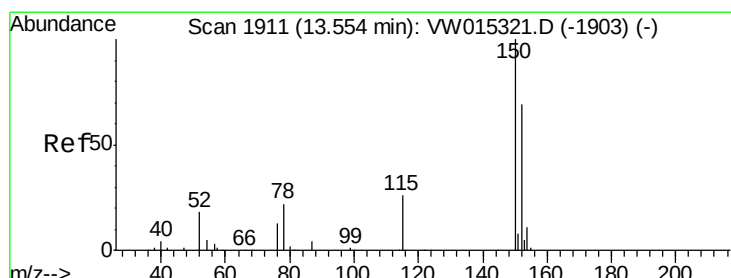
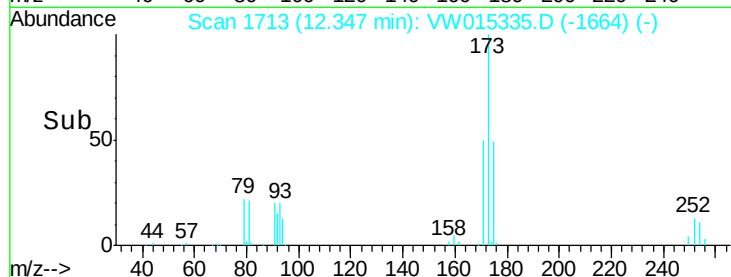
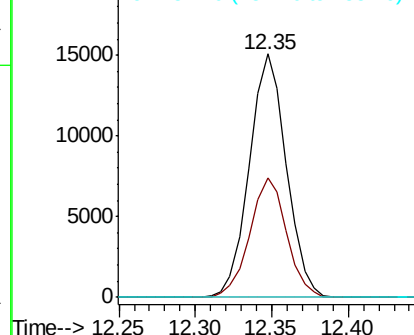
173 100

175 48.7 25.1 75.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

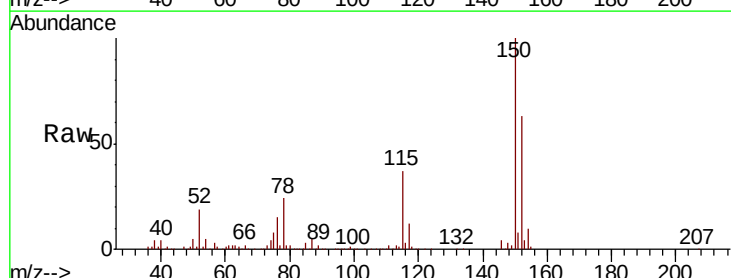
Tgt Ion:152 Resp: 147008

Ion Ratio Lower Upper

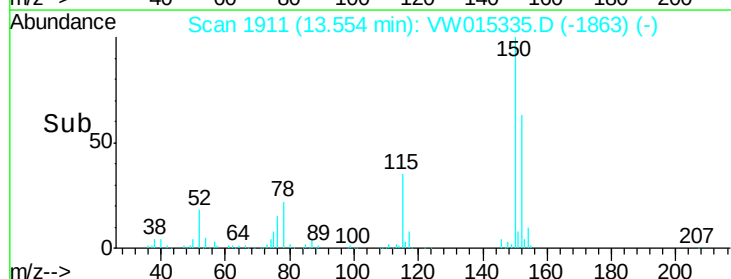
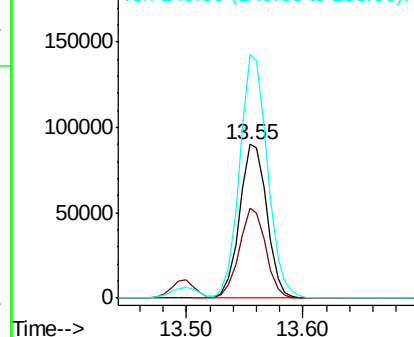
152 100

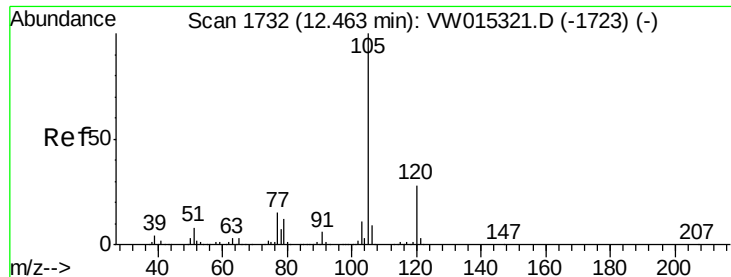
115 56.3 31.3 93.9

150 161.8 0.0 343.4



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





#73

Isopropylbenzene

Concen: 21.659 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

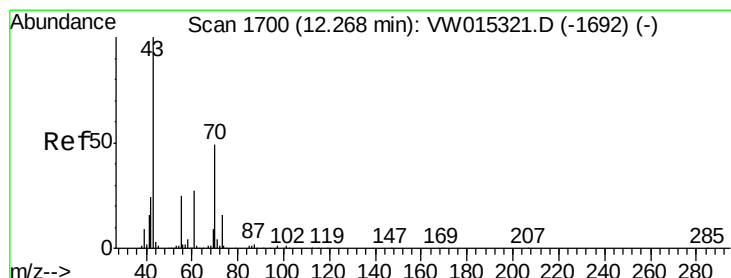
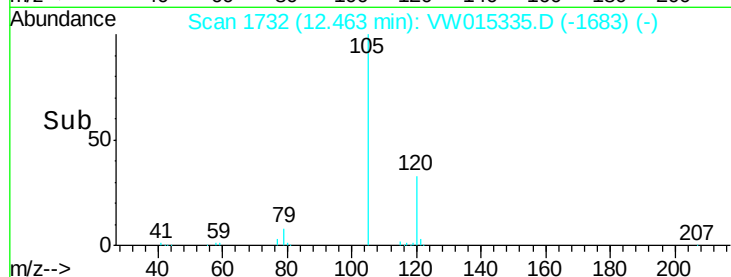
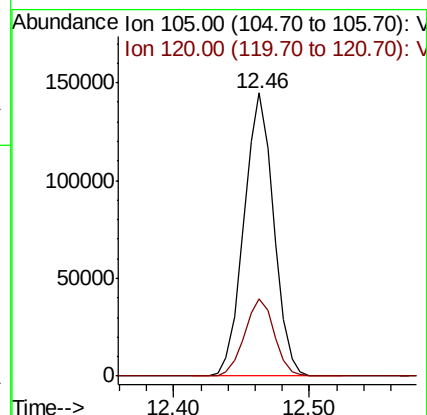
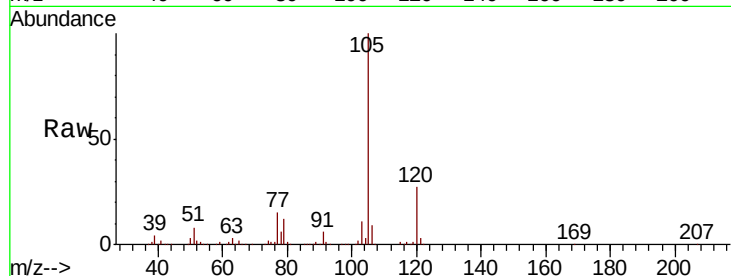
ClientSampleId :

Tot Ion:105 Resp: 220767

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.1



#74

N-ethyl acetate

Concen: 21.018 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Tgt Ion: 43 Resp: 37270

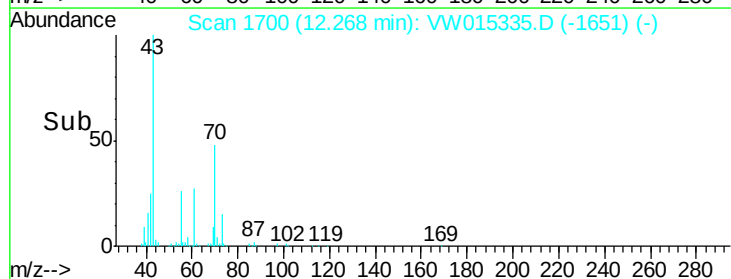
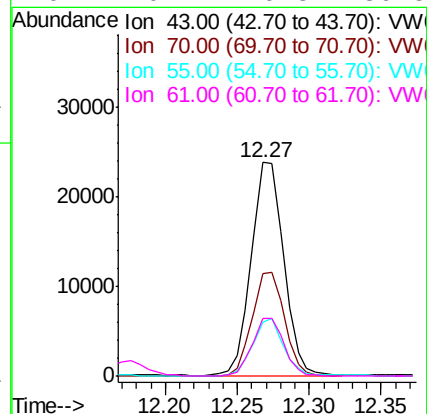
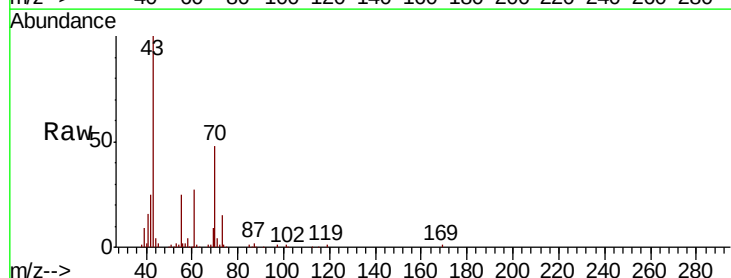
Ion Ratio Lower Upper

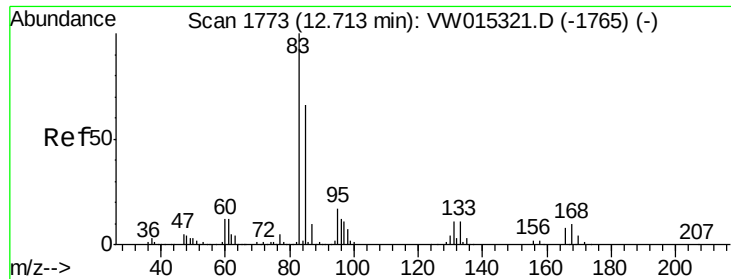
43 100

70 48.1 35.4 53.2

55 25.7 18.5 27.7

61 26.1 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.452 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampled :

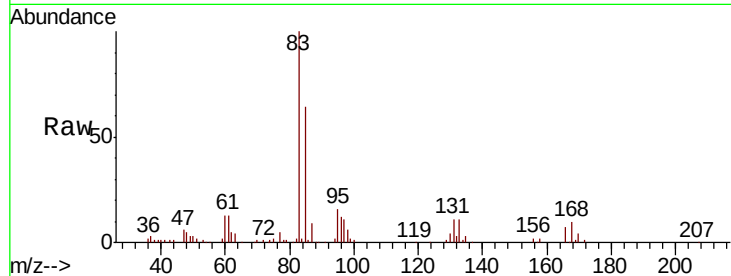
Tot Ion: 83 Resp: 32492

Ion Ratio Lower Upper

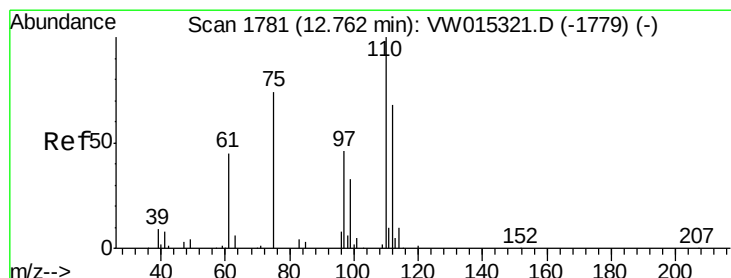
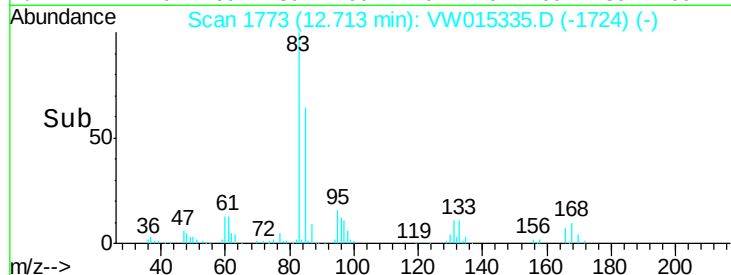
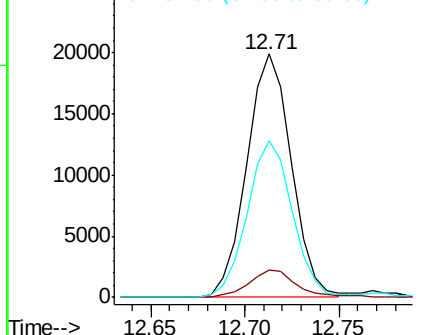
83 100

131 12.1 5.1 15.2

85 65.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.767 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015335.D

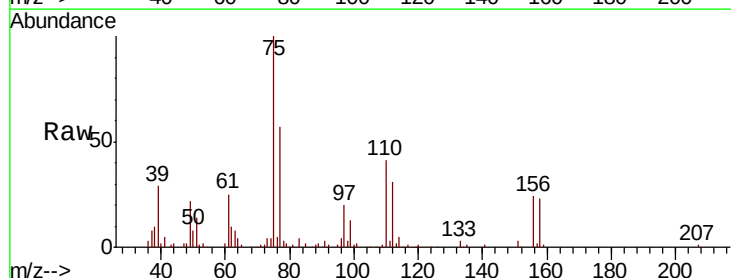
Acq: 24 Apr 2020 11:50

Tgt Ion: 75 Resp: 44088

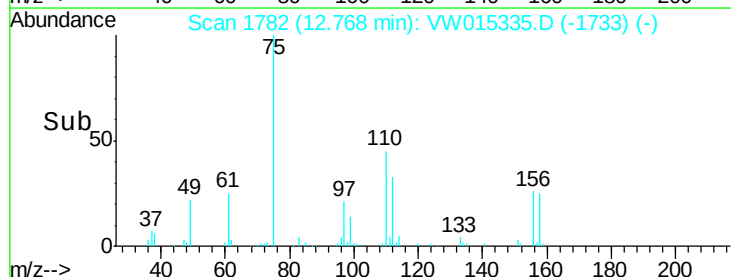
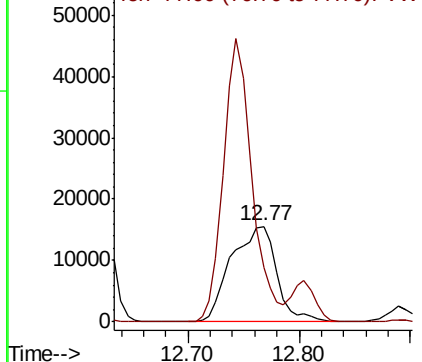
Ion Ratio Lower Upper

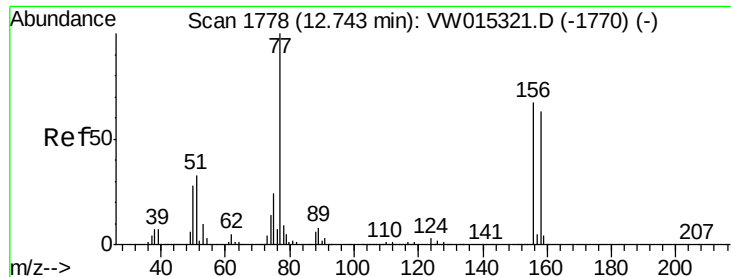
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.017 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampled :

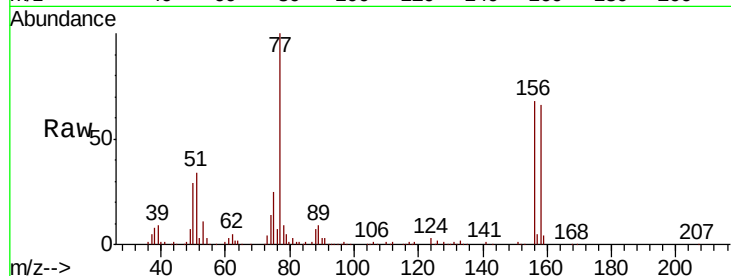
Tot Ion:156 Resp: 51558

Ion Ratio Lower Upper

156 100

77 160.2 100.5 301.5

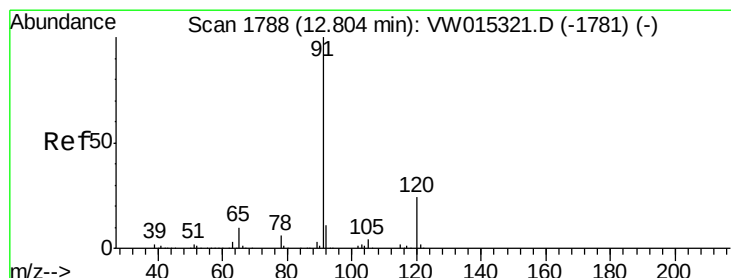
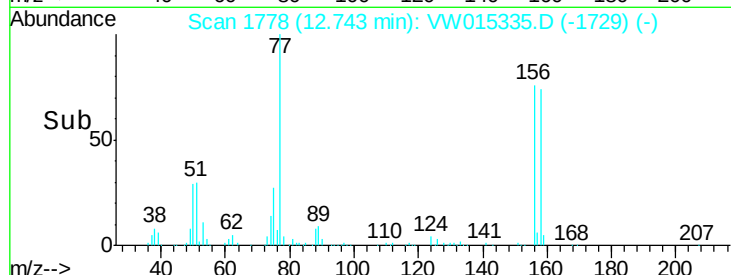
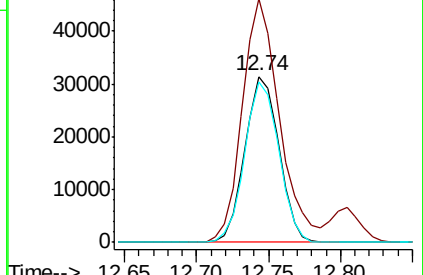
158 96.5 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.152 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015335.D

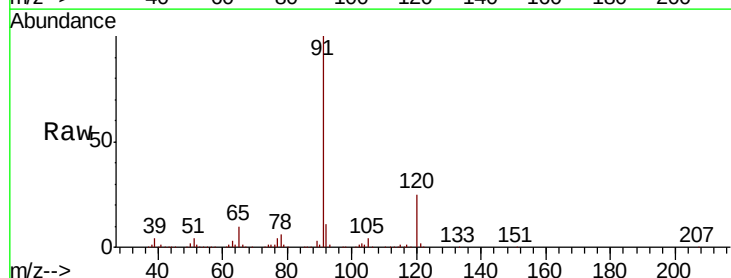
Acq: 24 Apr 2020 11:50

Tgt Ion: 91 Resp: 251020

Ion Ratio Lower Upper

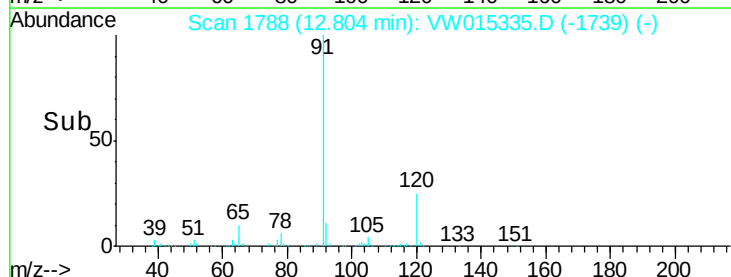
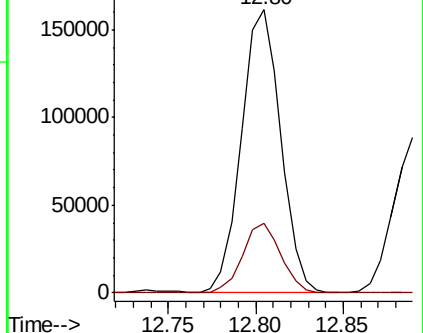
91 100

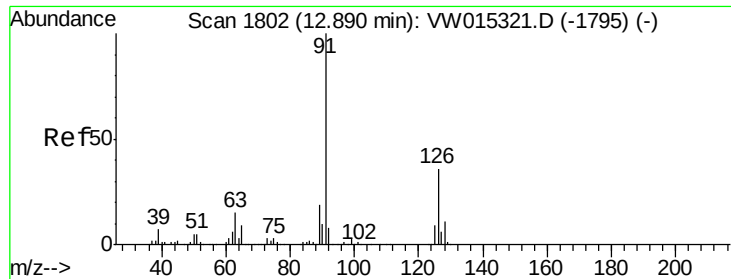
120 24.2 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.415 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

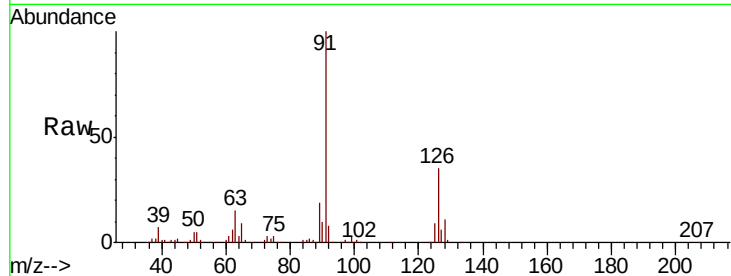
ClientSampled :

Tot Ion: 91 Resp: 143226

Ion Ratio Lower Upper

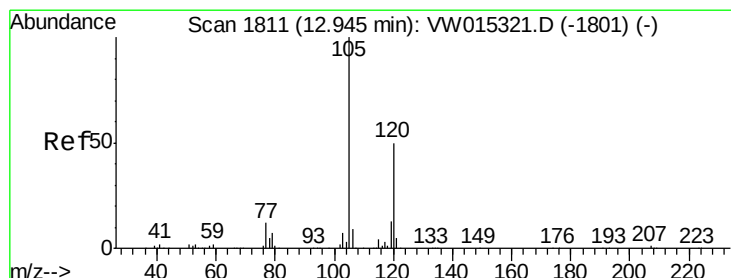
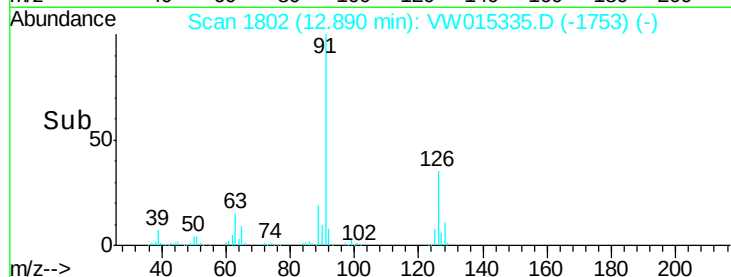
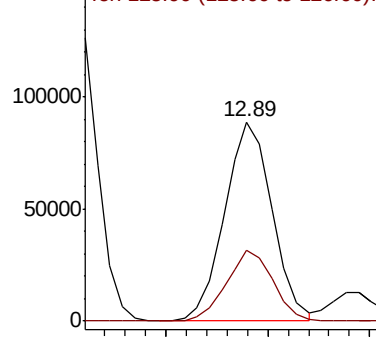
91 100

126 35.1 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.245 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015335.D

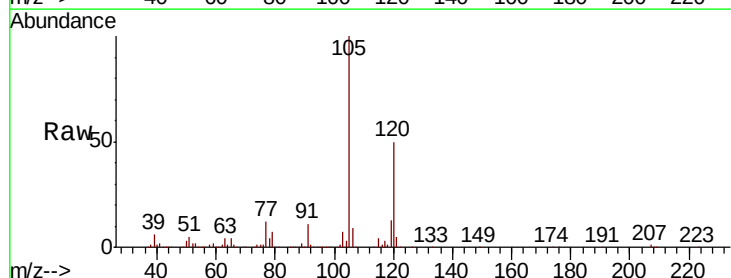
Acq: 24 Apr 2020 11:50

Tgt Ion:105 Resp: 186533

Ion Ratio Lower Upper

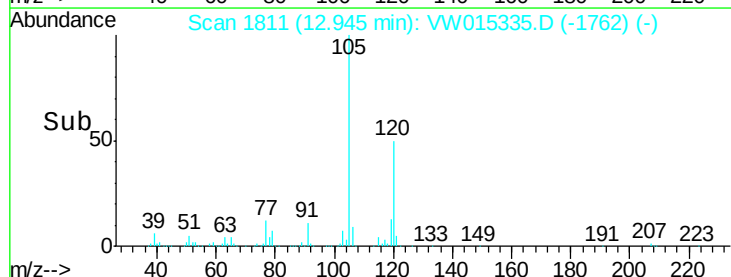
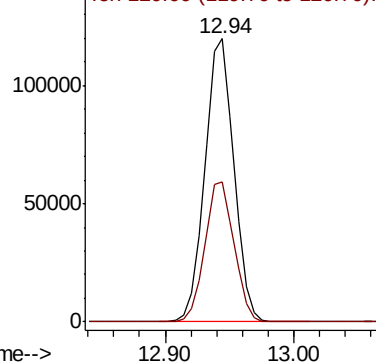
105 100

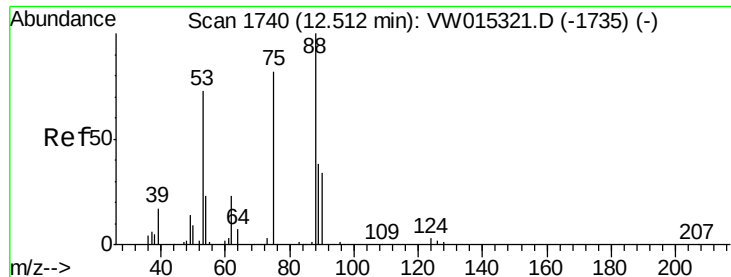
120 50.1 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

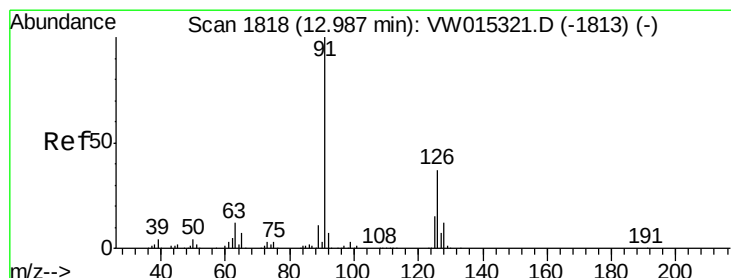
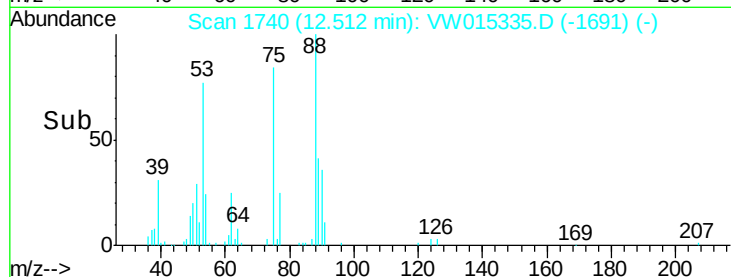
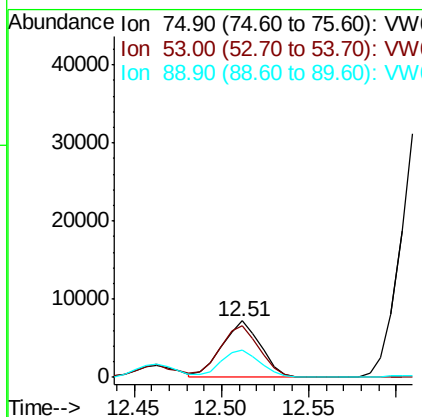
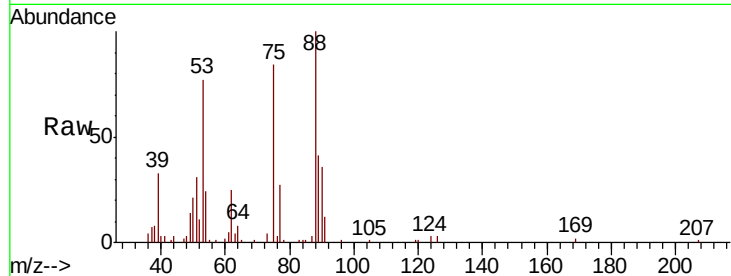




#81
trans-1,4-Dichloro-2-butene
Concen: 21.590 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

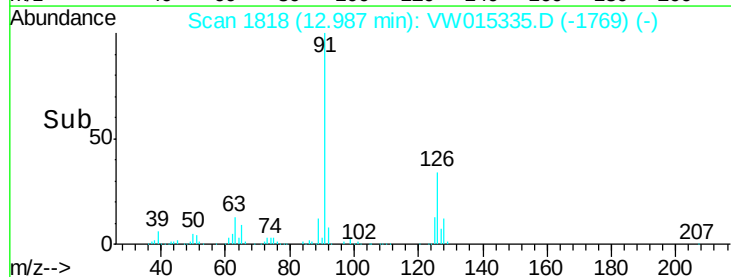
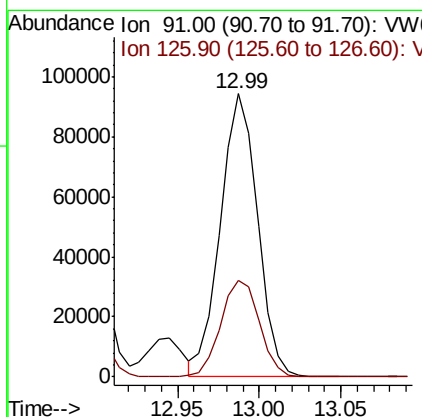
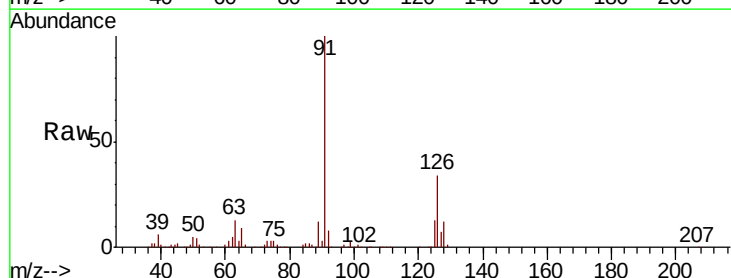
Instrument :
MSVOA_W
ClientSampleId :

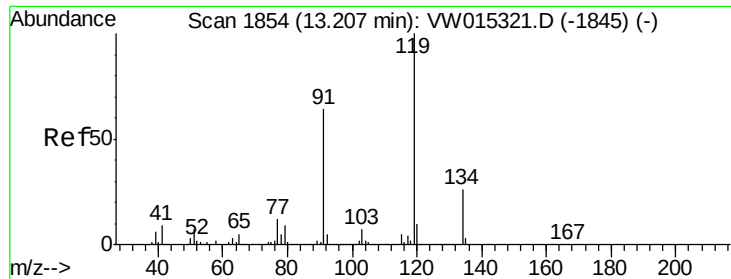
Tot Ion: 75 Resp: 11232
Ion Ratio Lower Upper
75 100
53 93.1 69.4 104.2
89 48.8 34.8 52.2



#82
4-Chlorotoluene
Concen: 20.943 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

Tgt Ion: 91 Resp: 148720
Ion Ratio Lower Upper
91 100
126 35.7 16.8 50.3

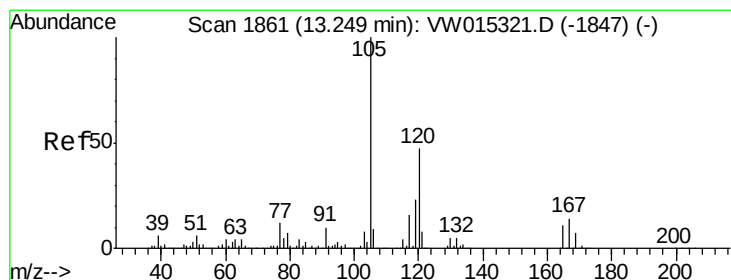
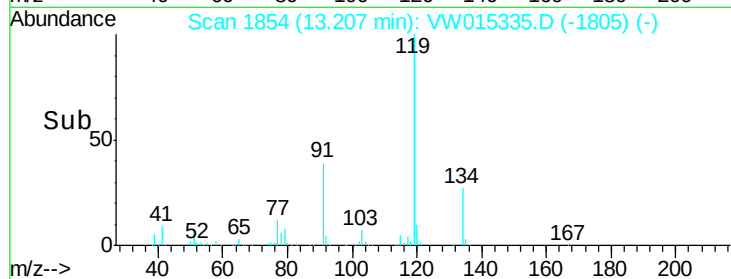
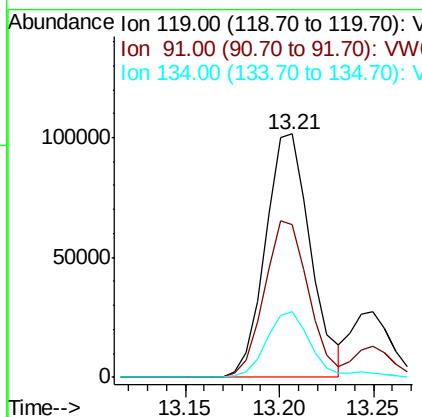
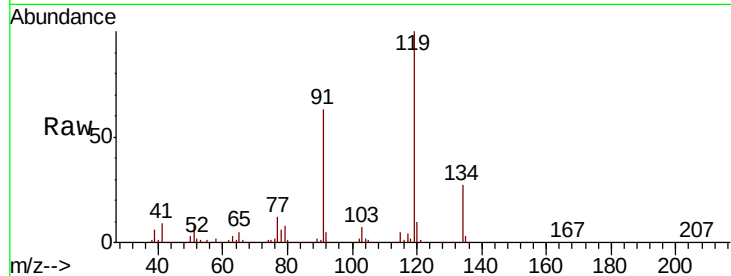




#83
 tert-Butylbenzene
 Concen: 21.962 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

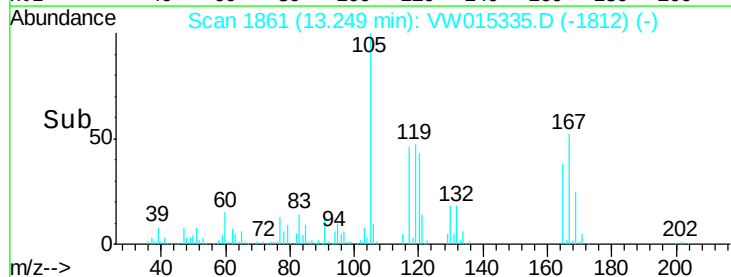
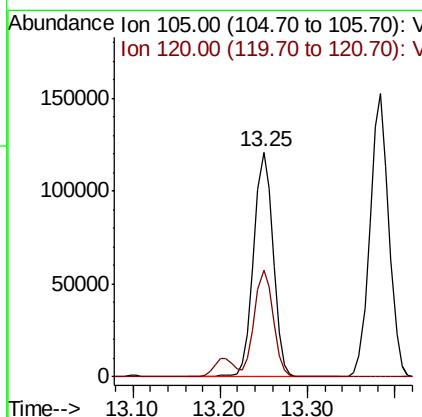
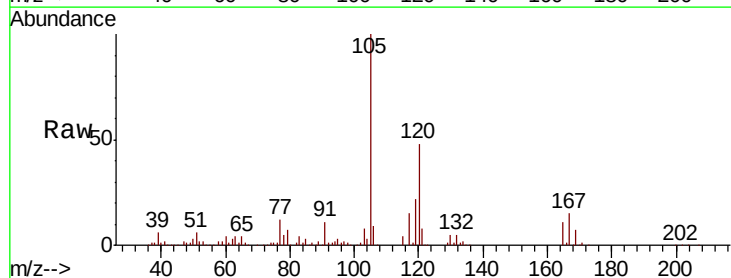
Instrument :
 MSVOA_W
 ClientSampleId :

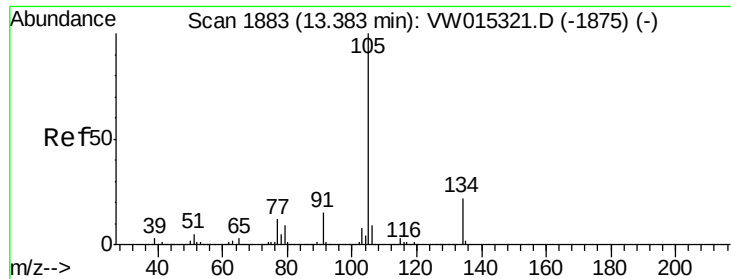
Tot Ion:119 Resp: 168540
 Ion Ratio Lower Upper
 119 100
 91 62.8 32.8 98.3
 134 26.0 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.489 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion:105 Resp: 186095
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.662 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

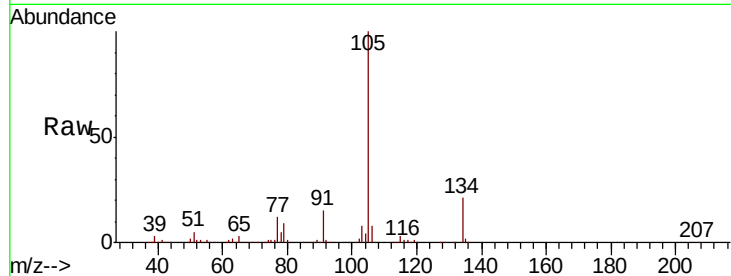
ClientSampleId :

Tot Ion:105 Resp: 229577

Ion Ratio Lower Upper

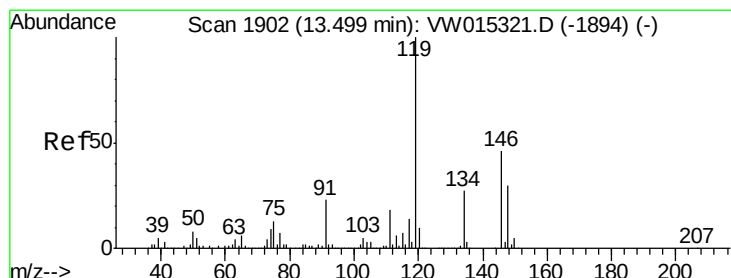
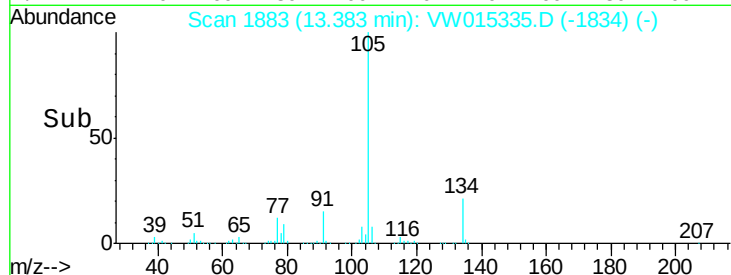
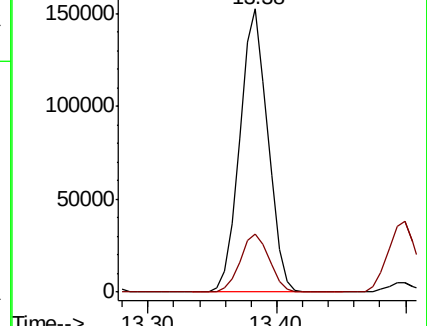
105 100

134 21.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.469 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

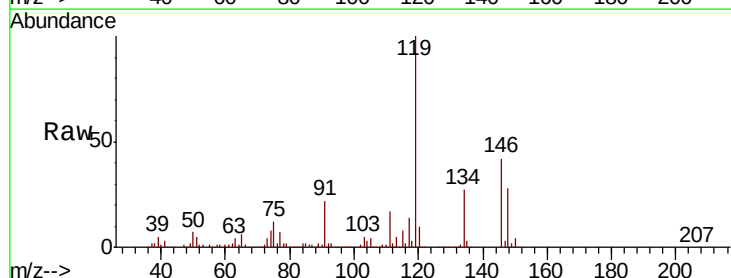
Tgt Ion:119 Resp: 211426

Ion Ratio Lower Upper

119 100

134 27.5 13.3 39.9

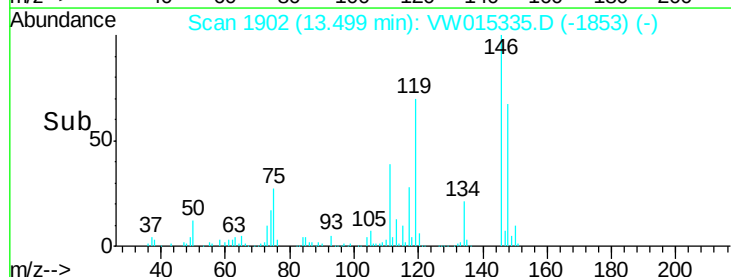
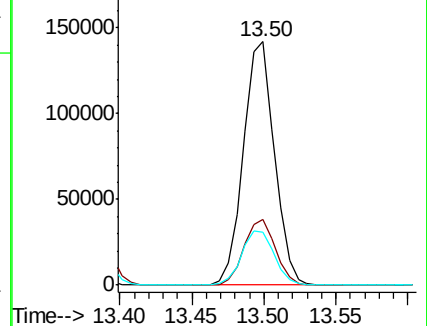
91 23.4 12.0 36.1

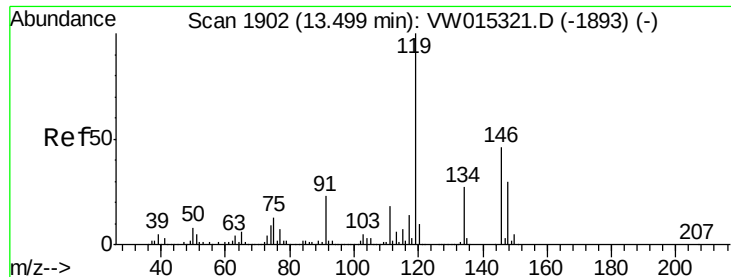


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.508 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015335.D

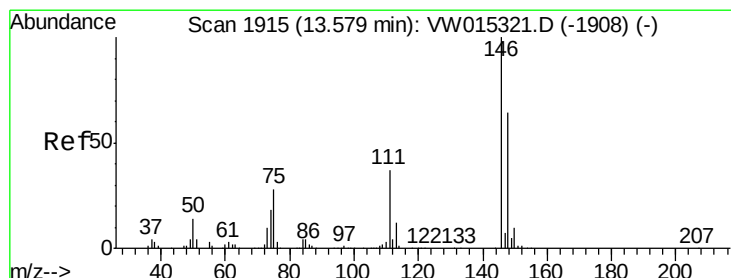
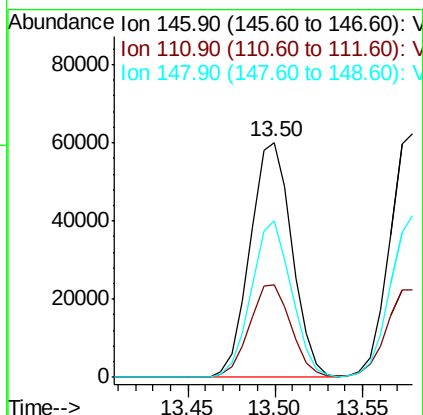
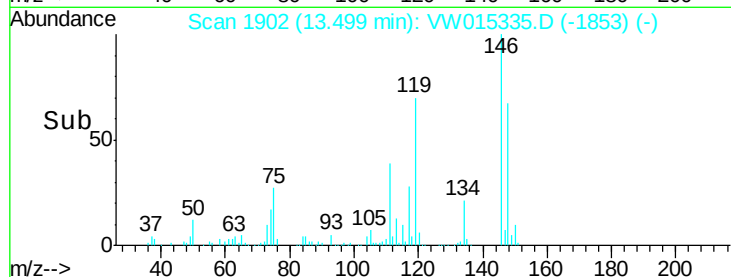
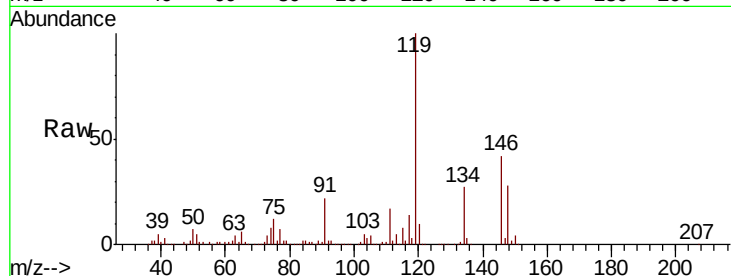
Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146	Resp:	100075
Ion Ratio	Lower	Upper
146	100	
111	39.1	21.1 63.4
148	64.1	31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 22.110 ug/l

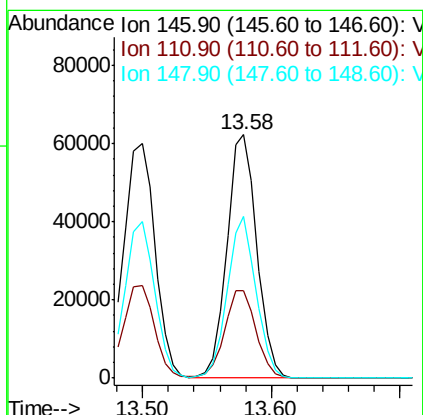
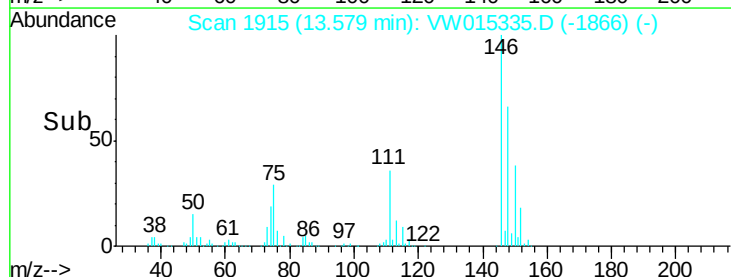
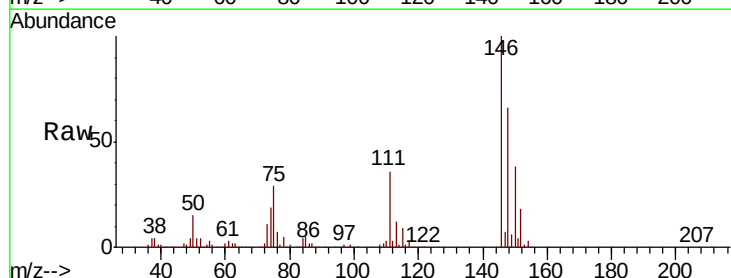
RT: 13.58 min Scan# 1915

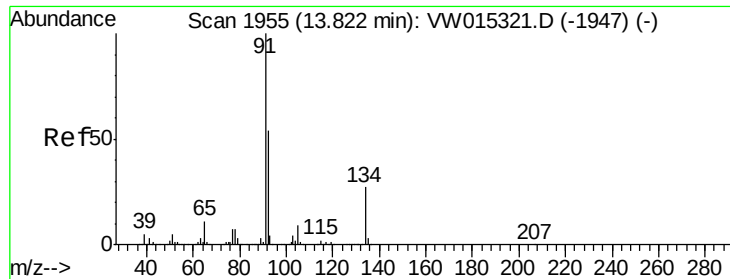
Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Tgt Ion:146	Resp:	100845
Ion Ratio	Lower	Upper
146	100	
111	38.2	20.4 61.3
148	63.8	31.5 94.5





#89

n-Butylbenzene

Concen: 21.171 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015335.D

Acq: 24 Apr 2020 11:50

Instrument :

MSVOA_W

ClientSampleId :

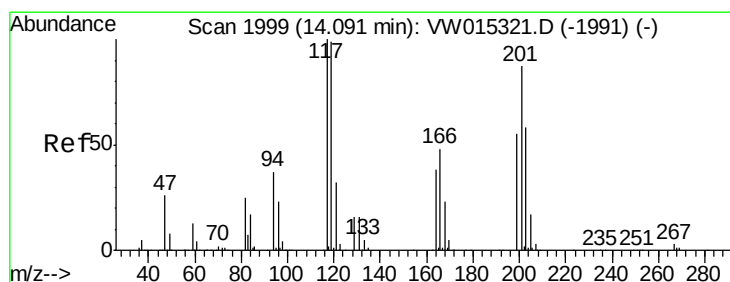
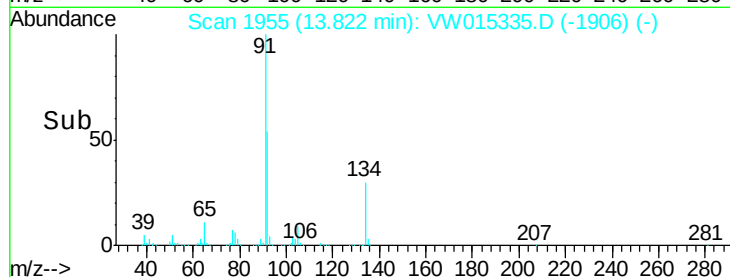
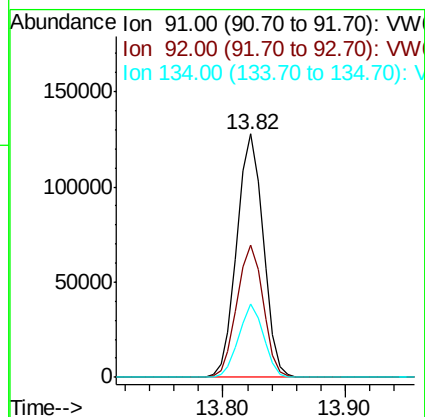
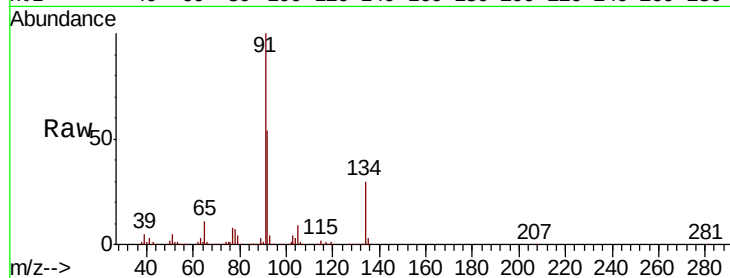
Tot Ion: 91 Resp: 190565

Ion Ratio Lower Upper

91 100

92 54.2 27.6 82.7

134 28.6 12.8 38.3



#90

Hexachloroethane

Concen: 21.718 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015335.D

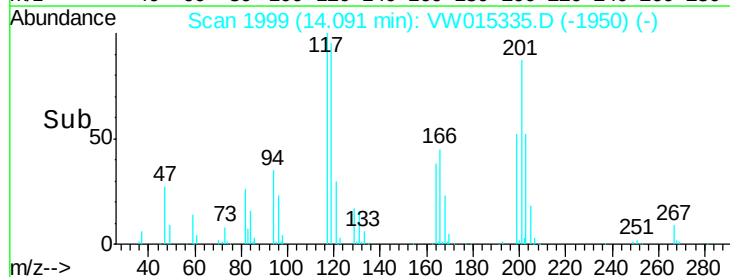
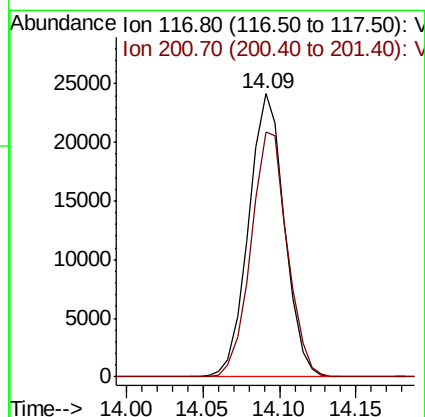
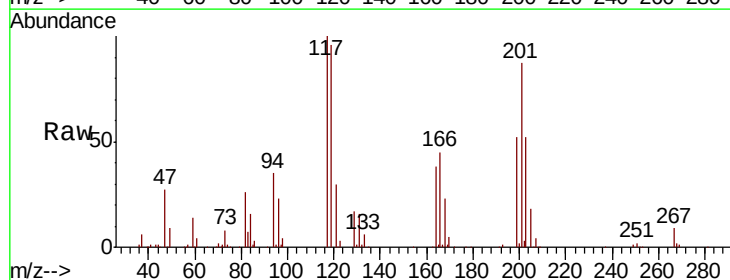
Acq: 24 Apr 2020 11:50

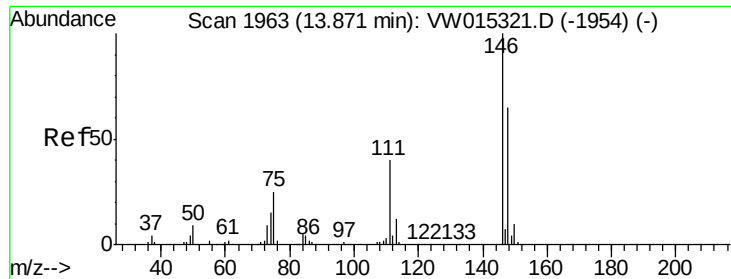
Tgt Ion: 117 Resp: 39224

Ion Ratio Lower Upper

117 100

201 87.7 33.6 100.6

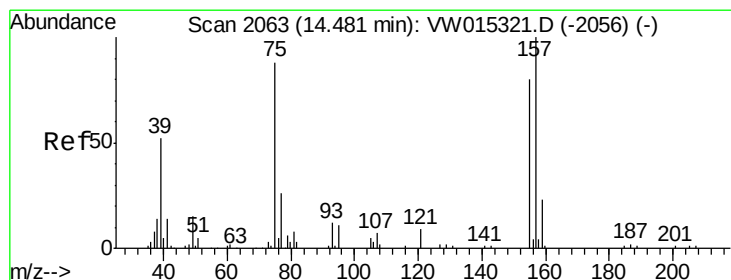
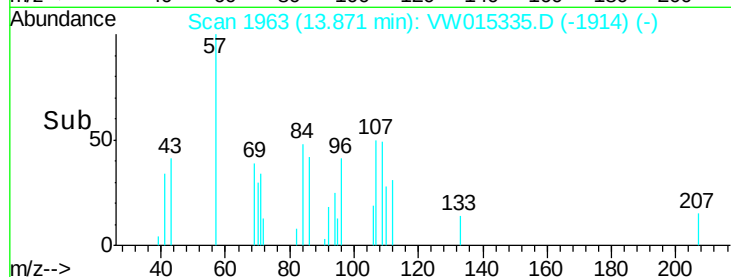
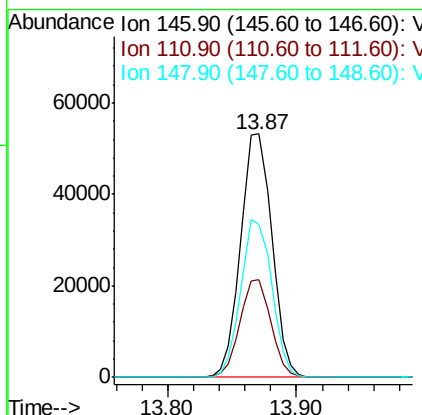
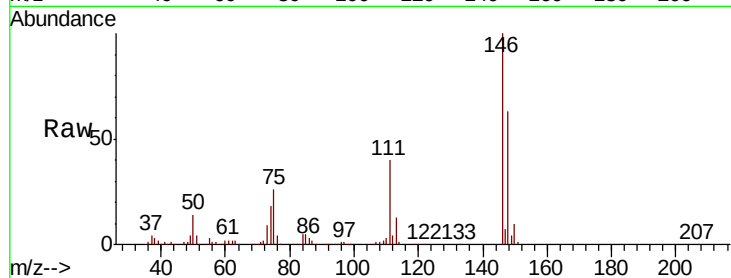




#91
 1,2-Dichlorobenzene
 Concen: 22.211 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

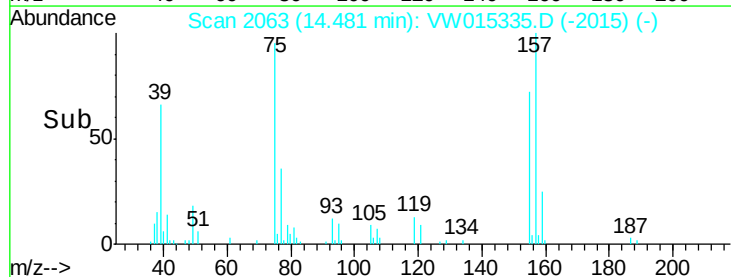
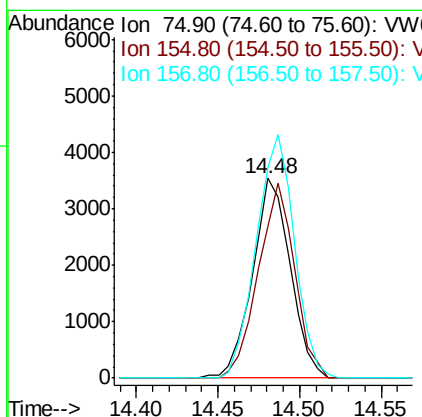
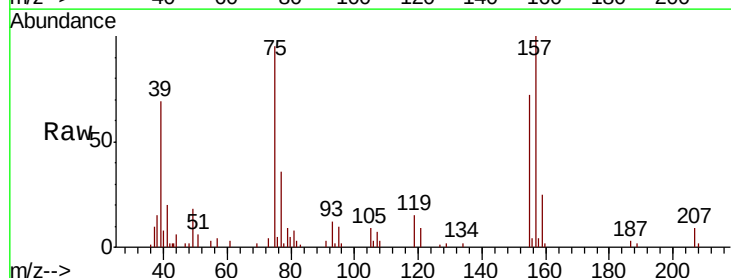
Instrument :
 MSVOA_W
 ClientSampleId :

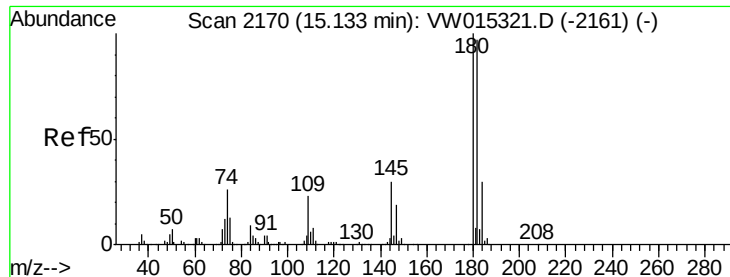
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.6	65.0
148	64.4	31.0	93.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.852 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	41.6	124.9
157	123.0	53.8	161.2

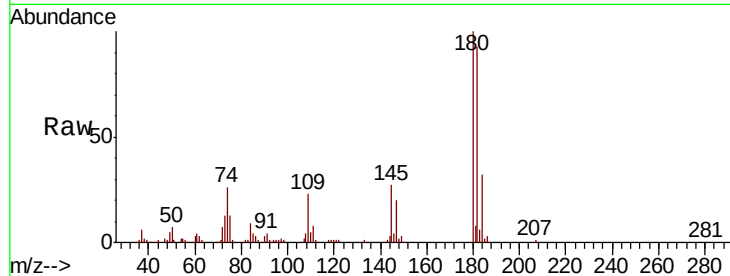




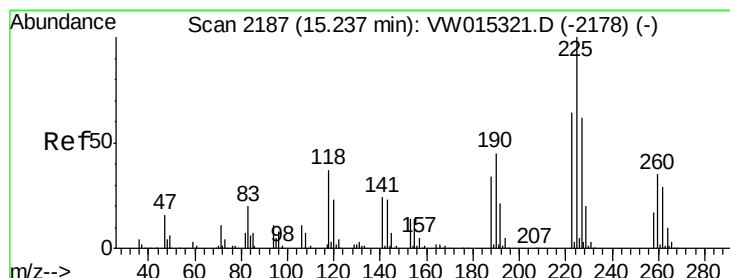
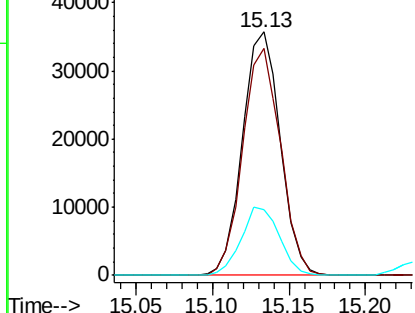
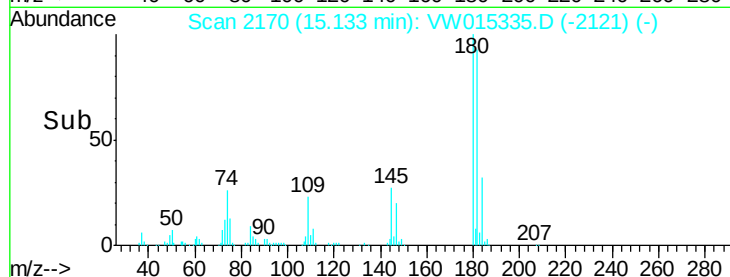
#93
 1,2,4-Trichlorobenzene
 Concen: 21.776 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.1	141.4
145	28.5	16.2	48.6

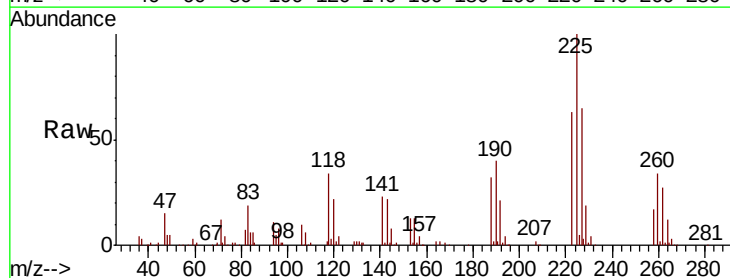


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

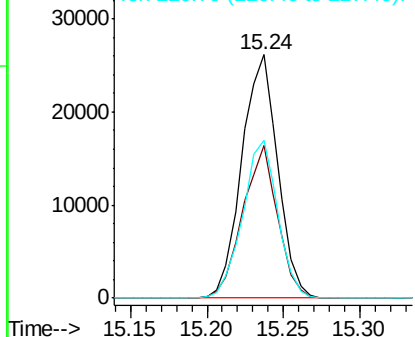
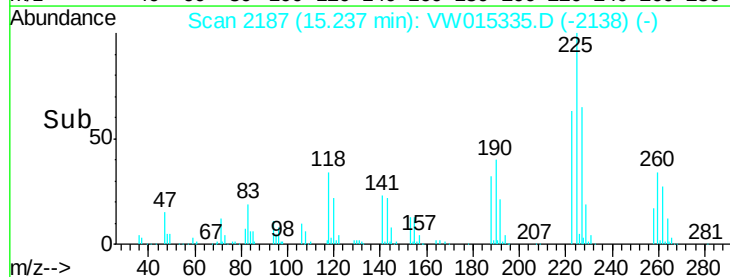


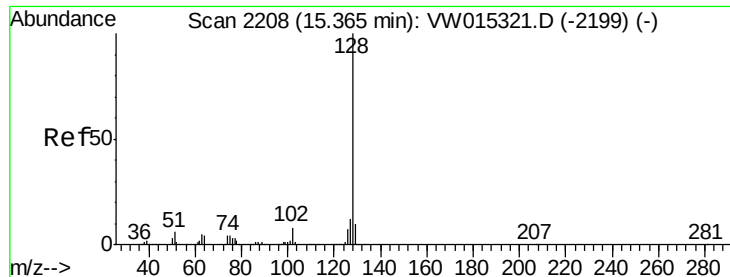
#94
 Hexachlorobutadiene
 Concen: 22.715 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015335.D
 Acq: 24 Apr 2020 11:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.0	93.0
227	63.2	30.8	92.3



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

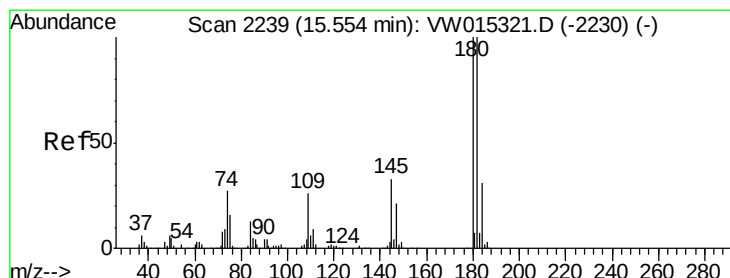
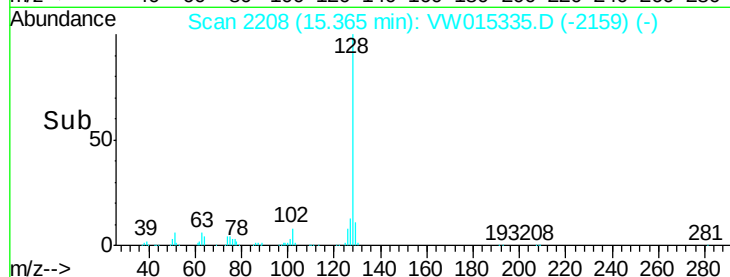
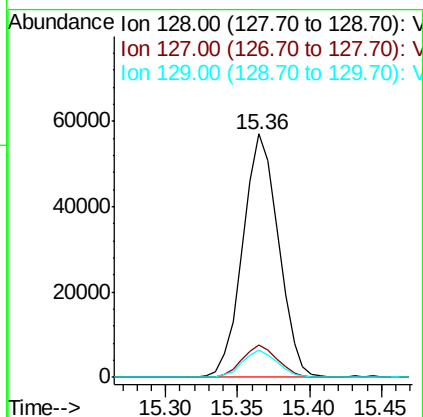
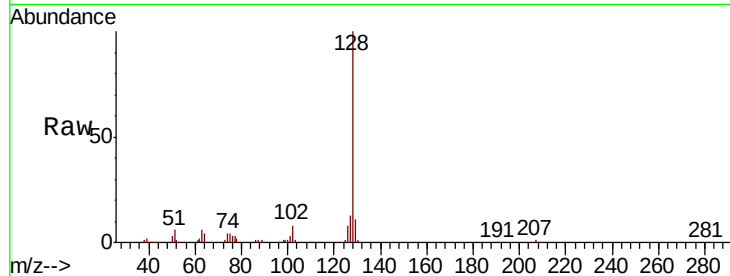




#95
Naphthalene
Concen: 21.701 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 98108
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 22.487 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015335.D
Acq: 24 Apr 2020 11:50

Tgt Ion:180 Resp: 51418
Ion Ratio Lower Upper
180 100
182 94.6 48.8 146.3
145 30.4 17.2 51.6

