

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062320\
 Data File : VW015653.D
 Acq On : 23 Jun 2020 11:16
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 23 12:45:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 12:41:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	197411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	311458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	141152	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	23474	11.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.58%	
35) Dibromofluoromethane	7.89	113	20800	11.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.54%	
50) Toluene-d8	10.32	98	80737	10.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.56%	
62) 4-Bromofluorobenzene	12.62	95	29514	10.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	12312	10.986	ug/l	87
3) Chloromethane	2.21	50	15414	11.304	ug/l	96
4) Vinyl Chloride	2.36	62	25077	11.714	ug/l	96
5) Bromomethane	2.79	94	18619	12.365	ug/l	99
6) Chloroethane	2.93	64	16434	11.856	ug/l	99
7) Trichlorofluoromethane	3.26	101	17412	10.829	ug/l	99
8) Diethyl Ether	3.69	74	10423	11.009	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21939	11.364	ug/l	98
10) Methyl Iodide	4.27	142	29005	10.272	ug/l	98
11) Tert butyl alcohol	5.22	59	7552	48.021	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	21135	11.038	ug/l	97
13) Acrolein	3.90	56	7860	60.843	ug/l	98
14) Allyl chloride	4.67	41	32371	10.075	ug/l	99
15) Acrylonitrile	5.38	53	20799	54.106	ug/l	99
16) Acetone	4.15	43	20994	49.926	ug/l	96
17) Carbon Disulfide	4.38	76	56941	9.973	ug/l	97
18) Methyl Acetate	4.68	43	9944	10.903	ug/l	98
19) Methyl tert-butyl Ether	5.44	73	30942	10.691	ug/l	98
20) Methylene Chloride	4.92	84	27279	12.526	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	23583	10.948	ug/l	97
22) Diisopropyl ether	6.32	45	65518	10.746	ug/l	97
23) Vinyl Acetate	6.26	43	183856	51.412	ug/l	100
24) 1,1-Dichloroethane	6.22	63	41611	10.824	ug/l	99
25) 2-Butanone	7.18	43	28894	53.409	ug/l	94
26) 2,2-Dichloropropane	7.17	77	29475	10.927	ug/l	95
27) cis-1,2-Dichloroethene	7.18	96	24726	10.556	ug/l	95
28) Bromochloromethane	7.52	49	15860	11.005	ug/l	98
29) Tetrahydrofuran	7.54	42	16740	51.858	ug/l	99
30) Chloroform	7.68	83	42864	11.045	ug/l	97
31) Cyclohexane	7.96	56	41338	10.899	ug/l #	92
32) 1,1,1-Trichloroethane	7.88	97	36723	10.914	ug/l	97
36) 1,1-Dichloropropene	8.09	75	34902	10.945	ug/l	99
37) Ethyl Acetate	7.26	43	12500	10.402	ug/l	98
38) Carbon Tetrachloride	8.07	117	32951	10.609	ug/l	93

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	40758	10.371	ug/l	97
40) Benzene	8.33	78	94624	11.035	ug/l	100
41) Methacrylonitrile	7.49	41	7300	10.729	ug/l	95
42) 1,2-Dichloroethane	8.40	62	29040	11.155	ug/l	99
43) Isopropyl Acetate	8.43	43	25702	10.780	ug/l	99
44) Trichloroethene	9.10	130	25154	10.953	ug/l	96
45) 1,2-Dichloropropane	9.37	63	22687	10.896	ug/l	100
46) Dibromomethane	9.46	93	11898	11.266	ug/l	100
47) Bromodichloromethane	9.65	83	29860	10.428	ug/l	99
48) Methyl methacrylate	9.44	41	11278	10.320	ug/l	94
49) 1,4-Dioxane	9.48	88	3240	232.947	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	61770	54.499	ug/l	98
52) Toluene	10.39	92	59795	10.800	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	27764	9.916	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	34289	10.311	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	16371	11.108	ug/l	97
56) Ethyl methacrylate	10.65	69	18292	9.617	ug/l	94
57) 1,3-Dichloropropane	10.93	76	29159	11.166	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	48705	53.554	ug/l	99
59) 2-Hexanone	10.98	43	40842	52.419	ug/l	98
60) Dibromochloromethane	11.13	129	17902	9.984	ug/l	96
61) 1,2-Dibromoethane	11.24	107	15230	10.812	ug/l	99
64) Tetrachloroethene	10.87	164	21153	11.110	ug/l	94
65) Chlorobenzene	11.66	112	63026	10.992	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	21918	10.720	ug/l	97
67) Ethyl Benzene	11.73	91	116572	10.796	ug/l	100
68) m/p-Xylenes	11.84	106	88053	21.841	ug/l	99
69) o-Xylene	12.17	106	39465	10.545	ug/l	99
70) Styrene	12.18	104	66690	10.433	ug/l	98
71) Bromoform	12.35	173	9318	9.647	ug/l #	97
73) Isopropylbenzene	12.47	105	111684	10.323	ug/l	98
74) N-amyl acetate	12.27	43	22891	10.079	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	18442	11.224	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	23422	19.710	ug/l #	1
77) Bromobenzene	12.75	156	25090	10.745	ug/l	98
78) n-propylbenzene	12.80	91	134628	10.387	ug/l	99
79) 2-Chlorotoluene	12.89	91	77150	10.544	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	96413	10.548	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	4694	8.743	ug/l	89
82) 4-Chlorotoluene	12.99	91	81927	10.802	ug/l	100
83) tert-Butylbenzene	13.21	119	84546	10.887	ug/l	94
84) 1,2,4-Trimethylbenzene	13.26	105	96981	10.638	ug/l	99
85) sec-Butylbenzene	13.38	105	118010	10.698	ug/l	100
86) p-Isopropyltoluene	13.50	119	107311	10.664	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	51300	11.051	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	51956	11.328	ug/l	96
89) n-Butylbenzene	13.82	91	100488	10.366	ug/l	98
90) Hexachloroethane	14.10	117	18338	9.945	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	44476	11.031	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2873	10.251	ug/l	92

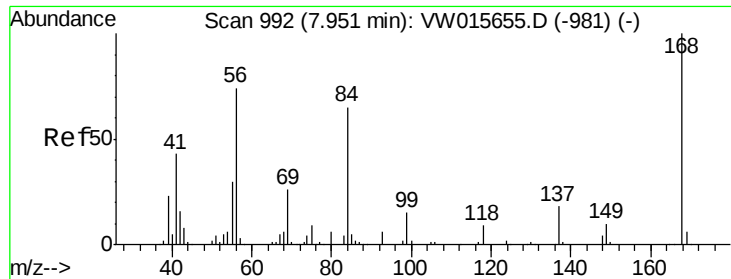
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062320\
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QLast Update : Tue Jun 23 12:41:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27658	9.958	ug/l	98
94) Hexachlorobutadiene	15.24	225	18800	10.992	ug/l	99
95) Naphthalene	15.37	128	44266	9.578	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	24764	10.655	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

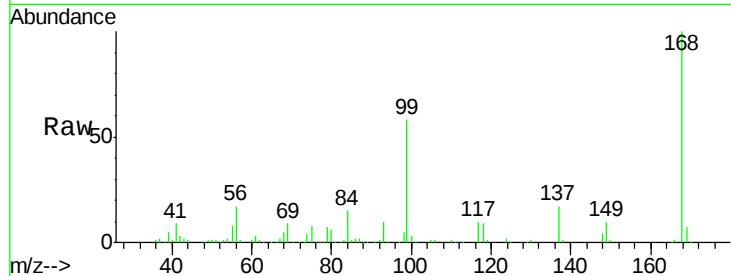
VSTDIC010

Tgt Ion:168 Resp: 197411

Ion Ratio Lower Upper

168 100

99 57.6 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

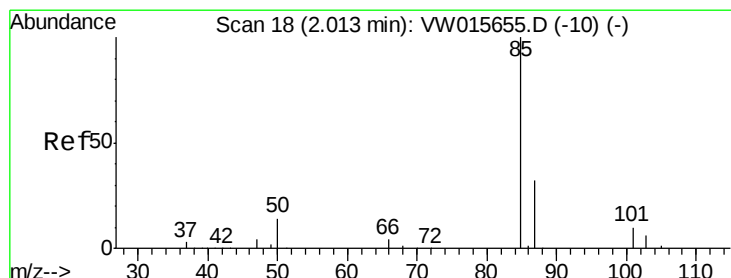
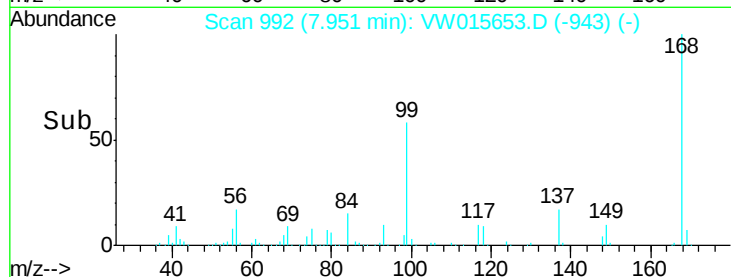
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.986 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015653.D

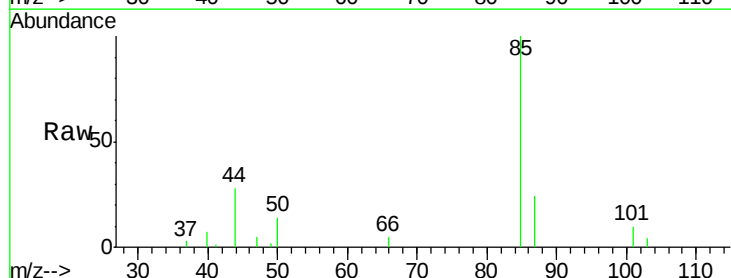
Acq: 23 Jun 2020 11:16

Tgt Ion: 85 Resp: 12312

Ion Ratio Lower Upper

85 100

87 24.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

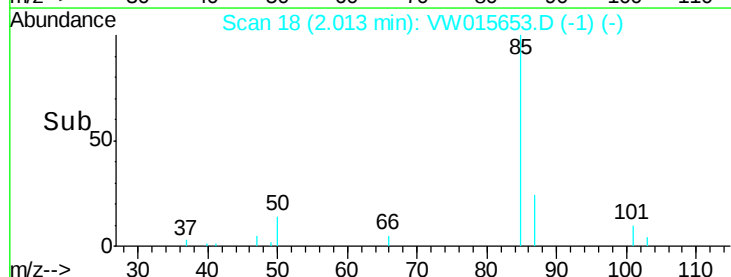
3000

2000

1000

0

Time-->





#3

Chloromethane

Concen: 11.304 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

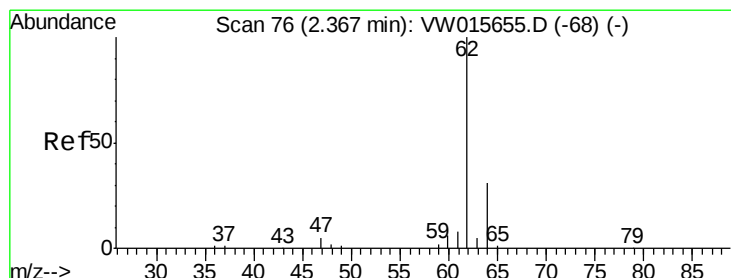
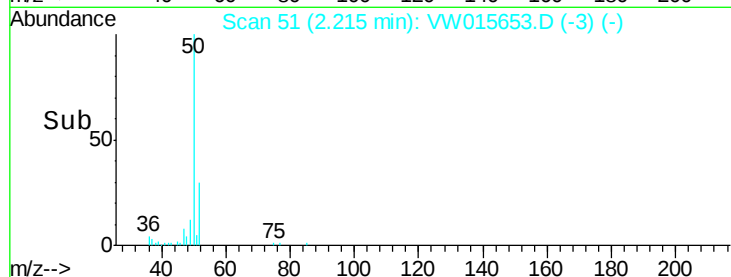
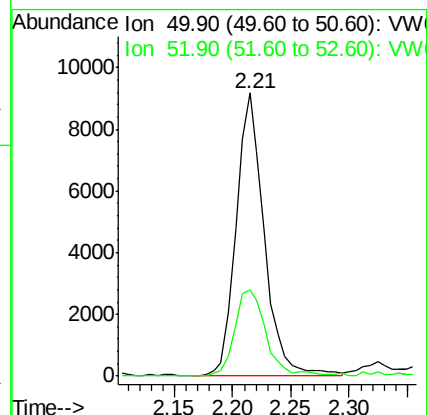
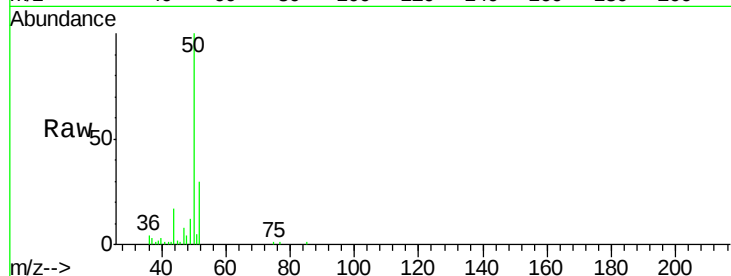
VSTDIC010

Tgt Ion: 50 Resp: 15414

Ion Ratio Lower Upper

50 100

52 30.3 26.0 39.0



#4

Vinyl Chloride

Concen: 11.714 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015653.D

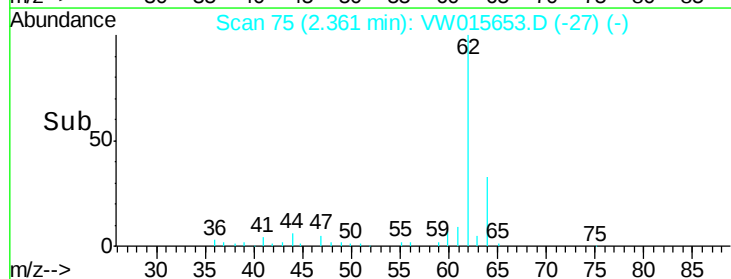
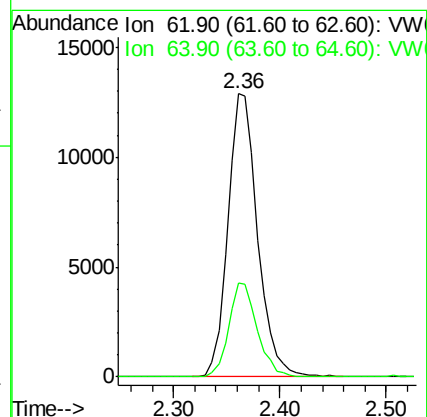
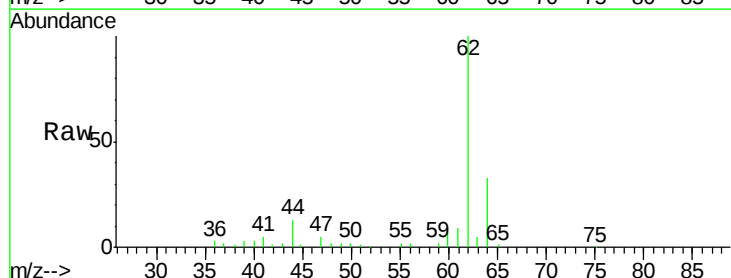
Acq: 23 Jun 2020 11:16

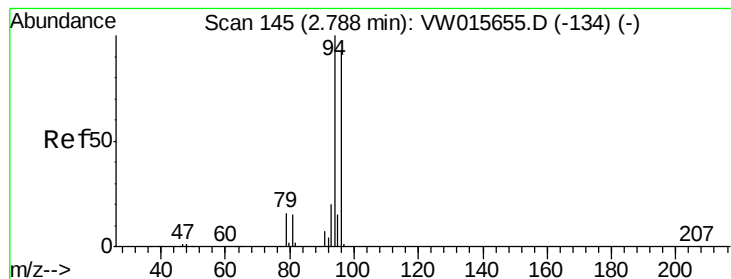
Tgt Ion: 62 Resp: 25077

Ion Ratio Lower Upper

62 100

64 33.4 25.1 37.7





#5

Bromomethane

Concen: 12.365 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

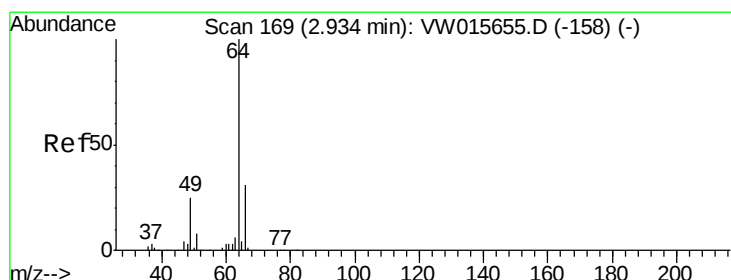
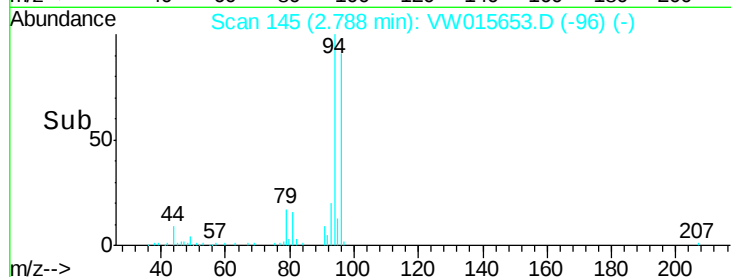
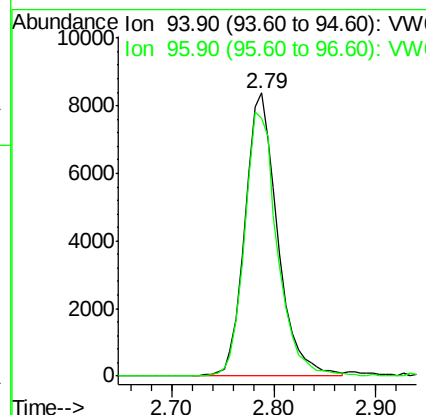
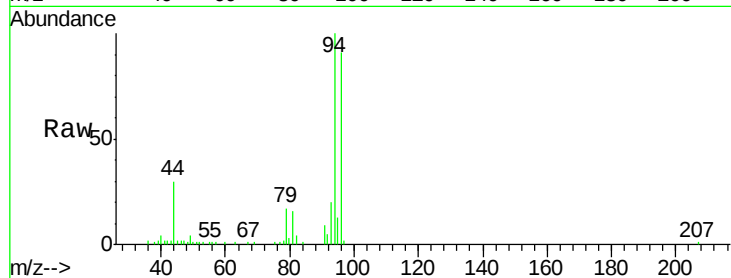
VSTDIC010

Tgt Ion: 94 Resp: 18619

Ion Ratio Lower Upper

94 100

96 90.9 73.8 110.6



#6

Chloroethane

Concen: 11.856 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015653.D

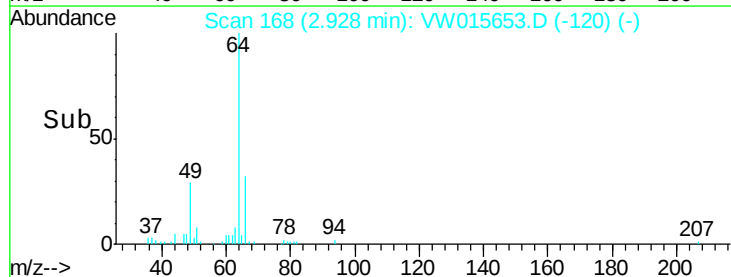
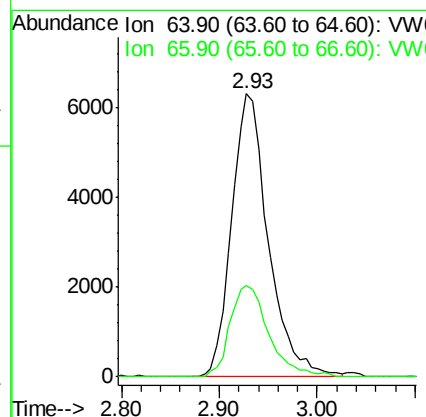
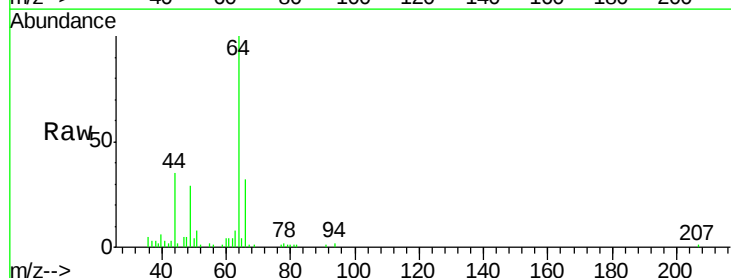
Acq: 23 Jun 2020 11:16

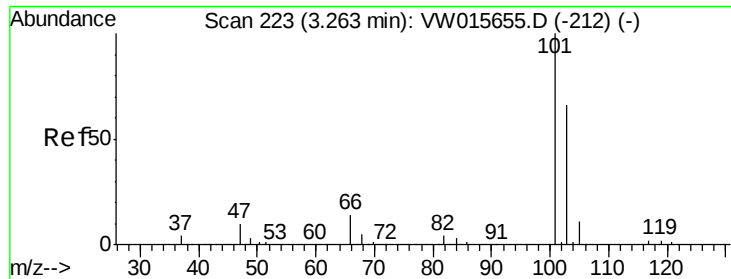
Tgt Ion: 64 Resp: 16434

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9



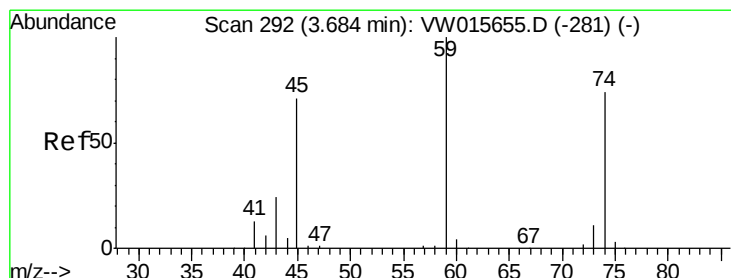
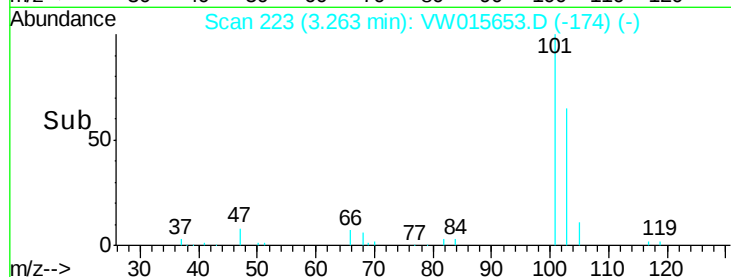
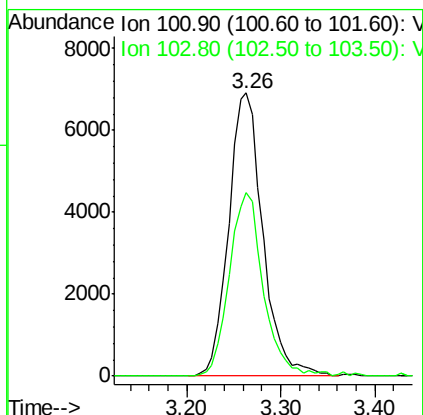
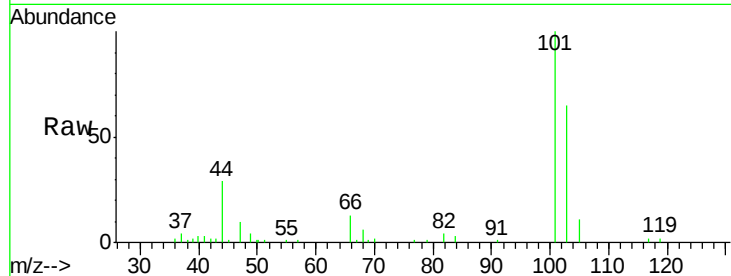


#7

Trichlorofluoromethane
 Concen: 10.829 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Instrument :
 MSVOA_W
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 VSTDIC010

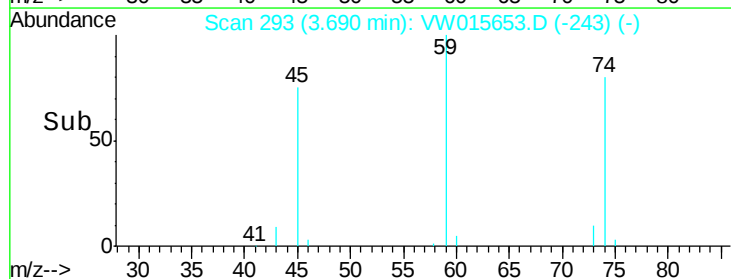
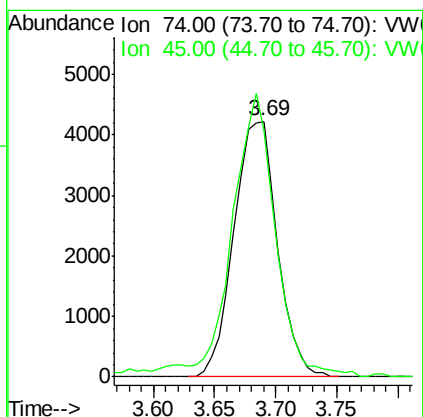
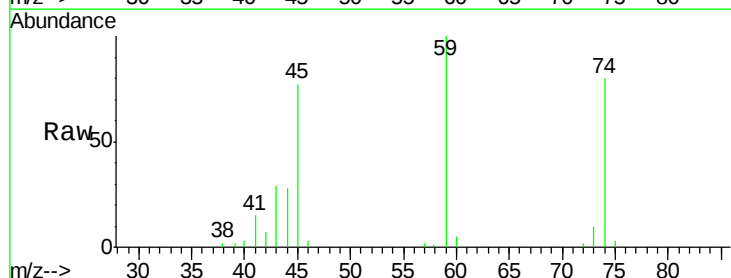
Tgt Ion: 101 Resp: 17412
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 78.8

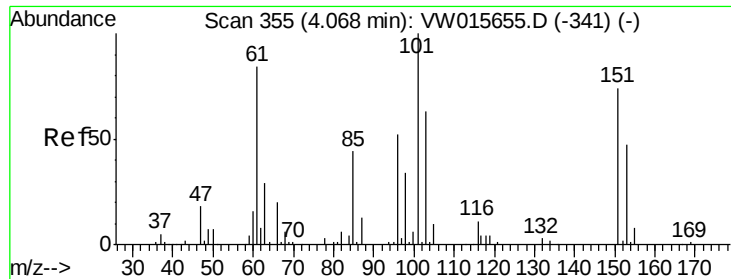


#8

Diethyl Ether
 Concen: 11.009 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Tgt Ion: 74 Resp: 10423
 Ion Ratio Lower Upper
 74 100
 45 111.5 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.364 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

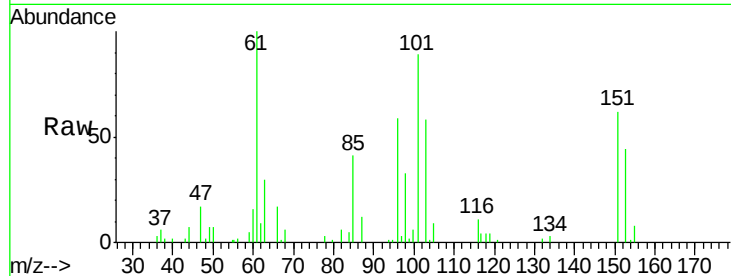
Tgt Ion:101 Resp: 21939

Ion Ratio Lower Upper

101 100

85 44.2 36.6 55.0

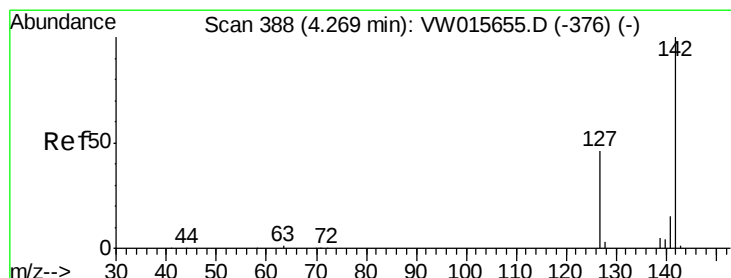
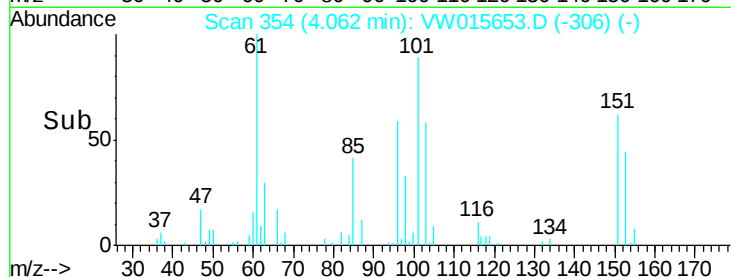
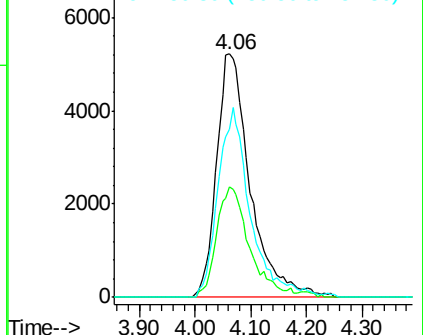
151 74.6 60.4 90.6



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: 10.272 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

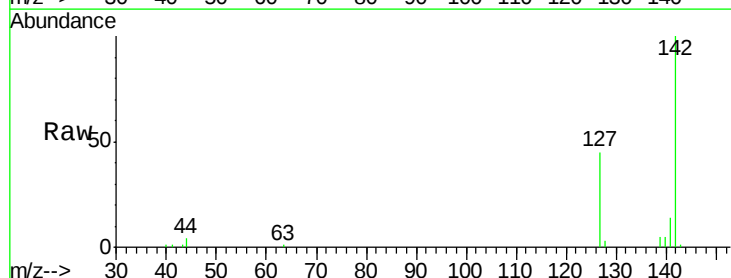
Tgt Ion:142 Resp: 29005

Ion Ratio Lower Upper

142 100

127 46.9 36.4 54.6

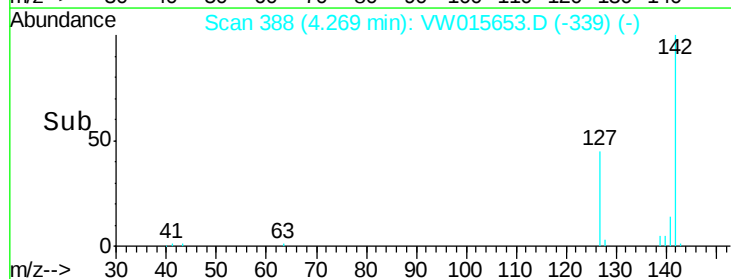
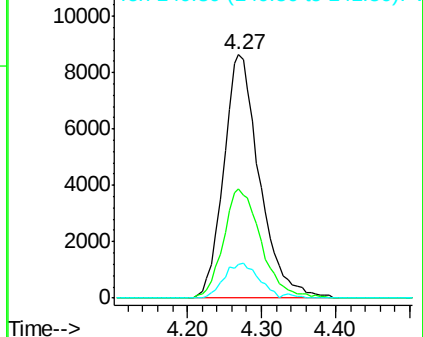
141 13.6 11.6 17.4

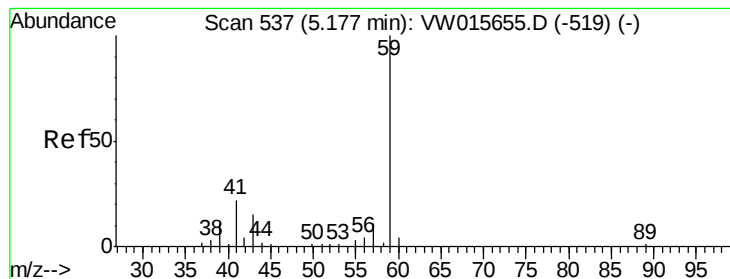


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



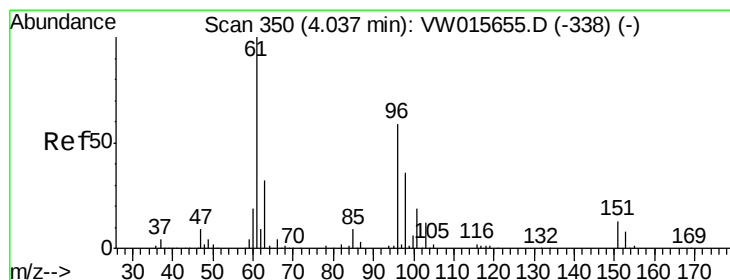
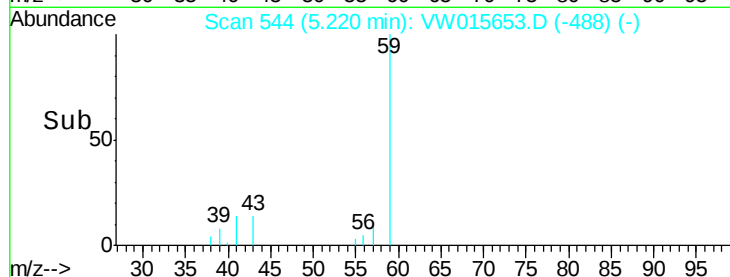
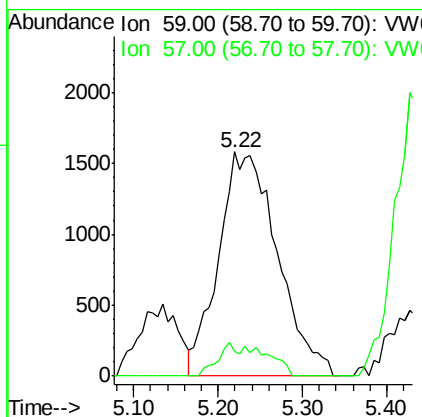
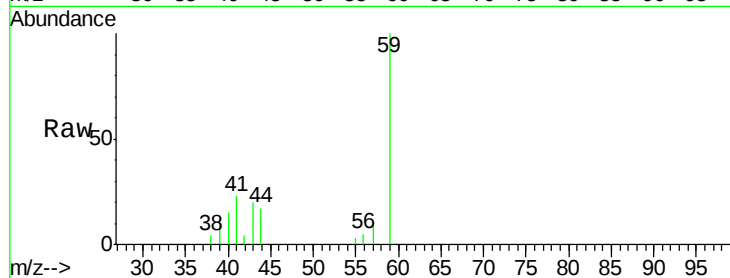


#11

Tert butyl alcohol
 Concen: 48.021 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.04 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

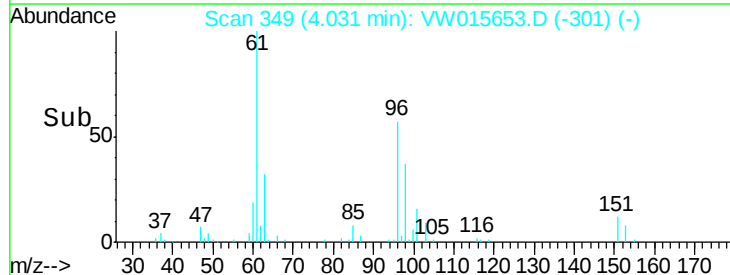
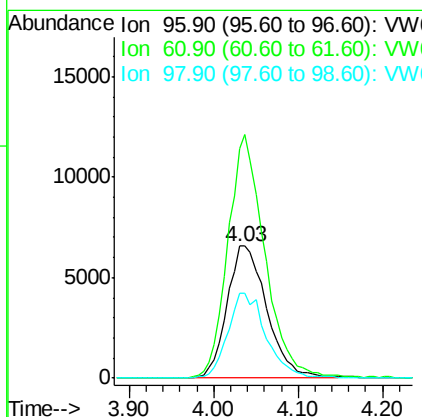
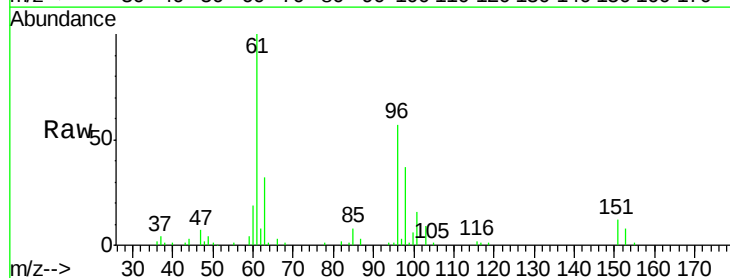
Tgt Ion: 59 Resp: 7552
 Ion Ratio Lower Upper
 59 100
 57 5.3 8.4 12.6#

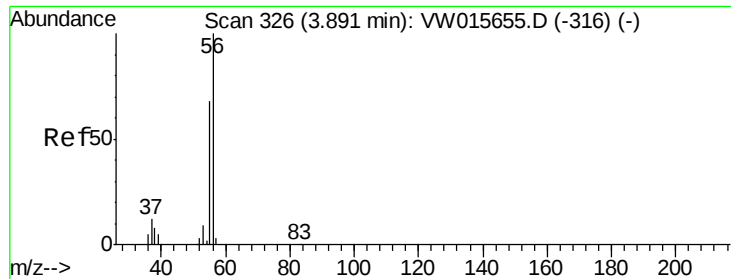


#12

1,1-Dichloroethene
 Concen: 11.038 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Tgt Ion: 96 Resp: 21135
 Ion Ratio Lower Upper
 96 100
 61 174.1 136.7 205.1
 98 64.2 49.2 73.8





#13

Acrolein

Concen: 60.843 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

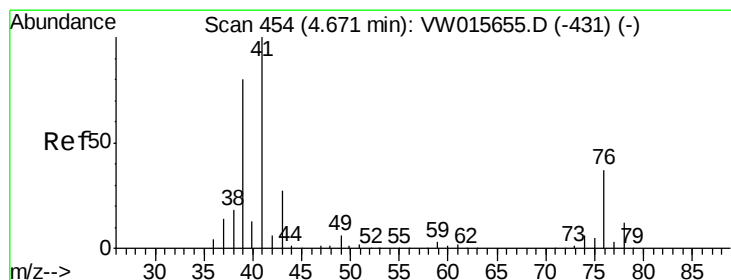
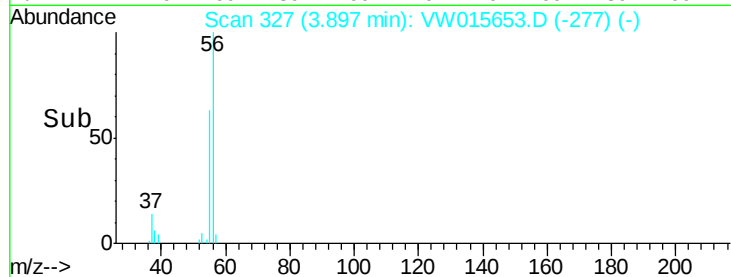
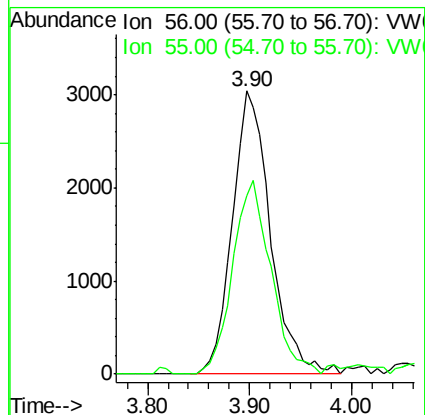
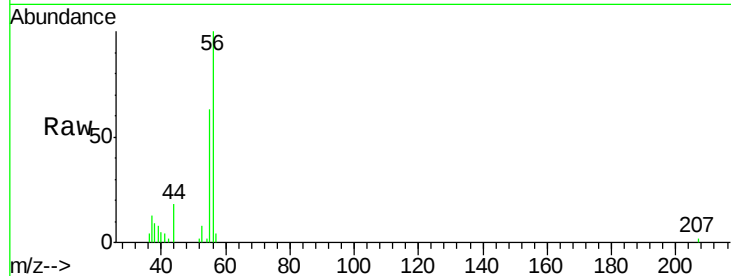
VSTDIC010

Tgt Ion: 56 Resp: 7860

Ion Ratio Lower Upper

56 100

55 68.9 56.2 84.2



#14

Allyl chloride

Concen: 10.075 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

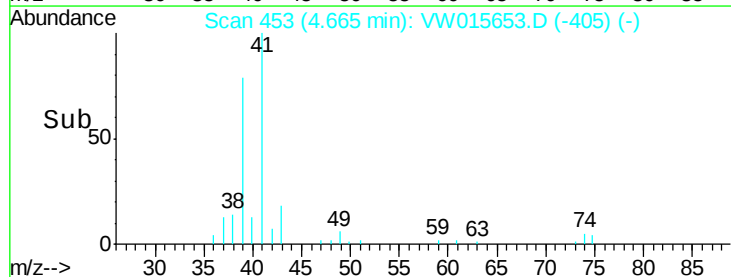
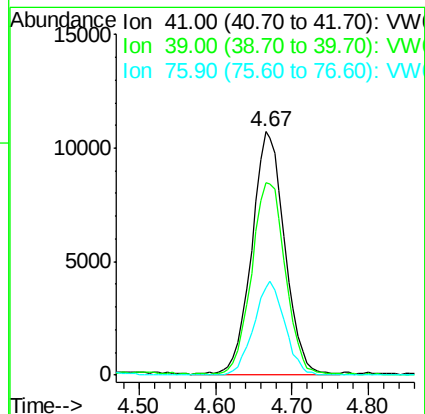
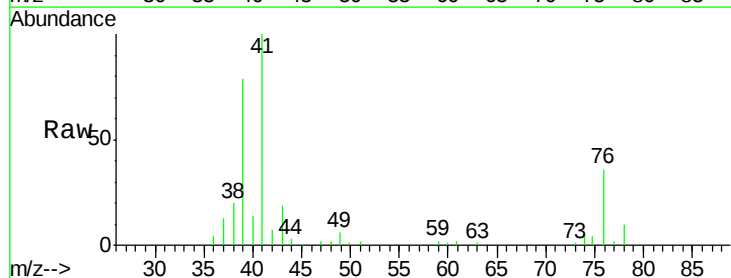
Tgt Ion: 41 Resp: 32371

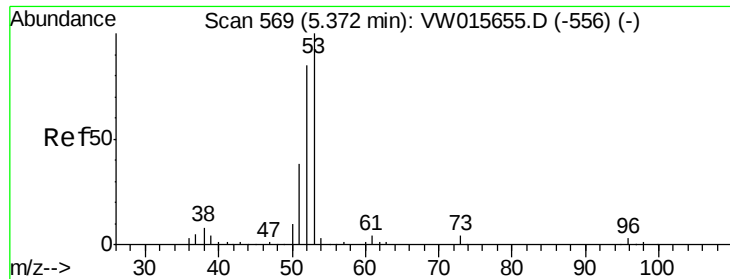
Ion Ratio Lower Upper

41 100

39 81.2 64.6 97.0

76 35.7 29.1 43.7





#15

Acrylonitrile

Concen: 54.106 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

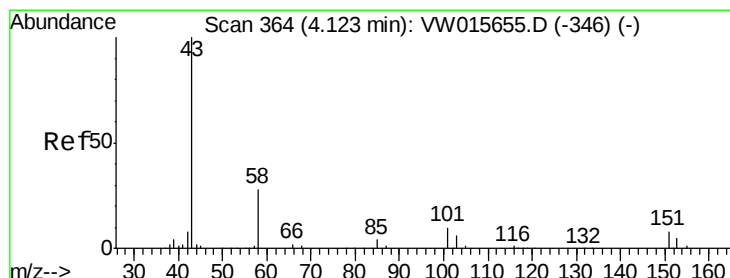
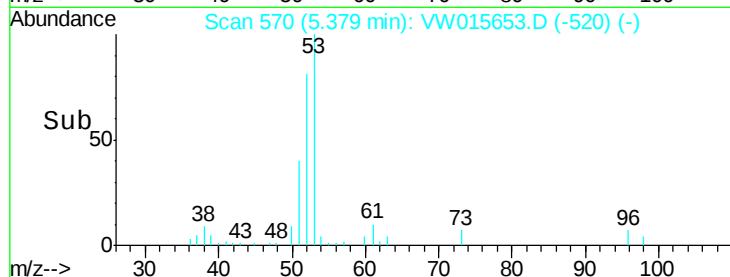
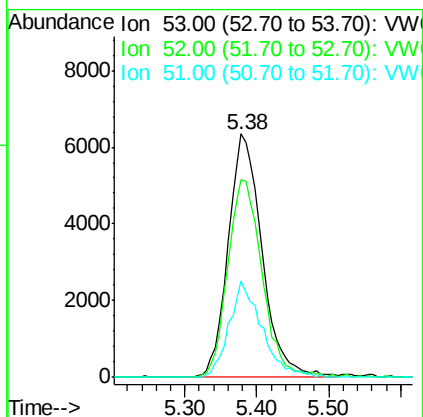
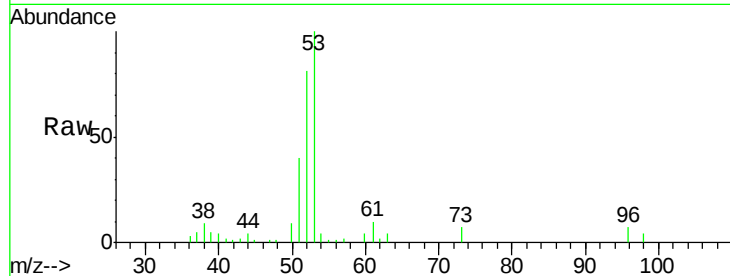
Tgt Ion: 53 Resp: 20799

Ion Ratio Lower Upper

53 100

52 81.5 65.8 98.6

51 38.2 30.7 46.1



#16

Acetone

Concen: 49.926 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW015653.D

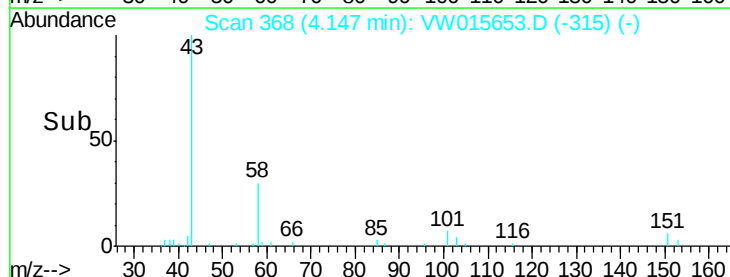
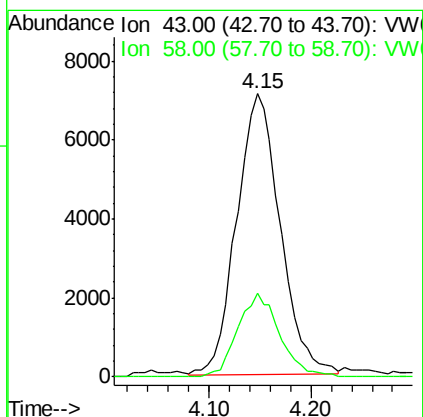
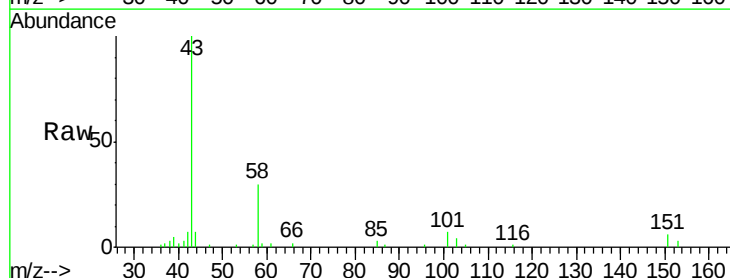
Acq: 23 Jun 2020 11:16

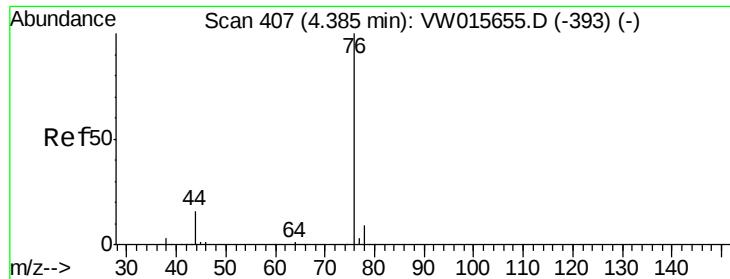
Tgt Ion: 43 Resp: 20994

Ion Ratio Lower Upper

43 100

58 30.1 22.6 33.8

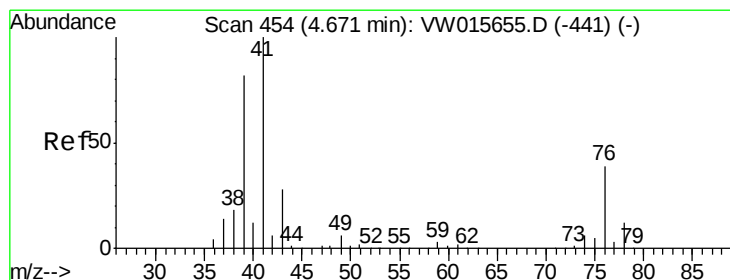
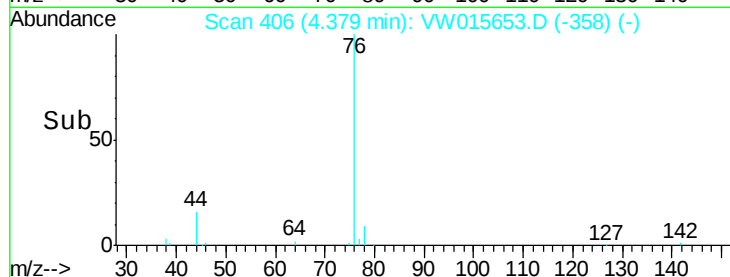
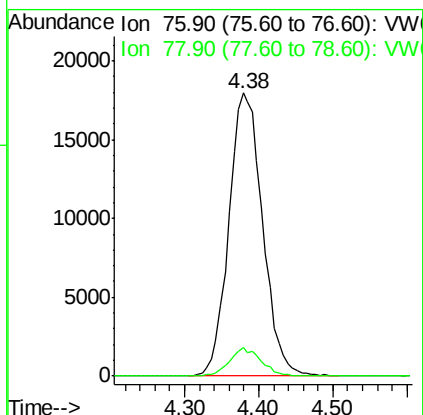
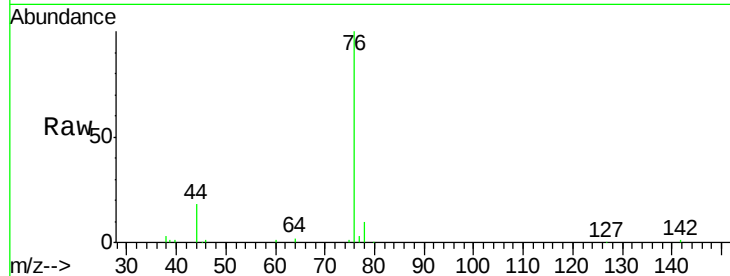




#17
Carbon Disulfide
Concen: 9.973 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

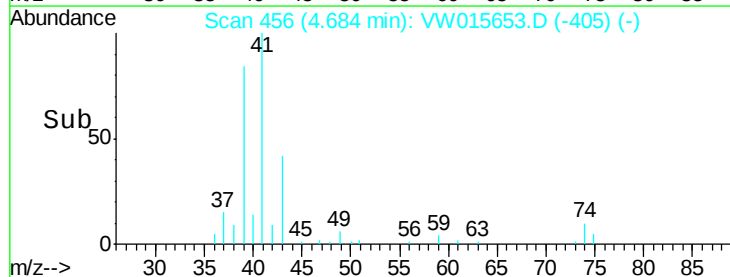
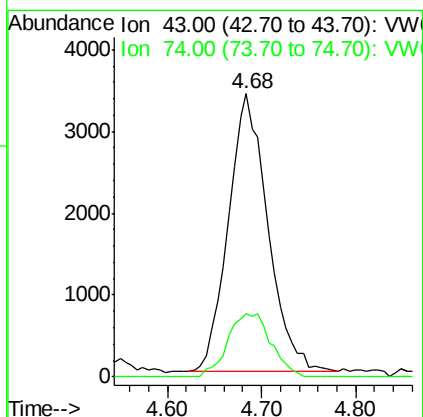
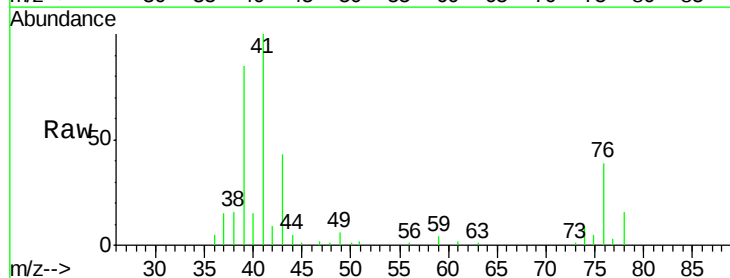
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

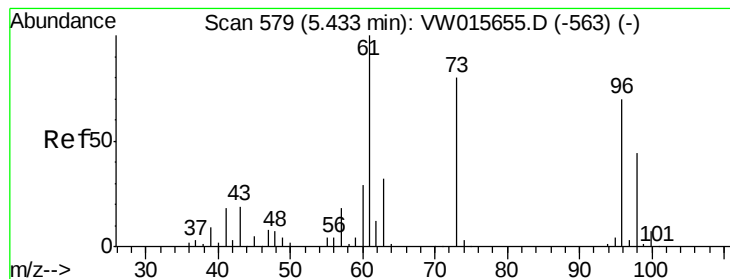
Tgt Ion: 76 Resp: 56941
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8



#18
Methyl Acetate
Concen: 10.903 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion: 43 Resp: 9944
Ion Ratio Lower Upper
43 100
74 24.8 19.0 28.6



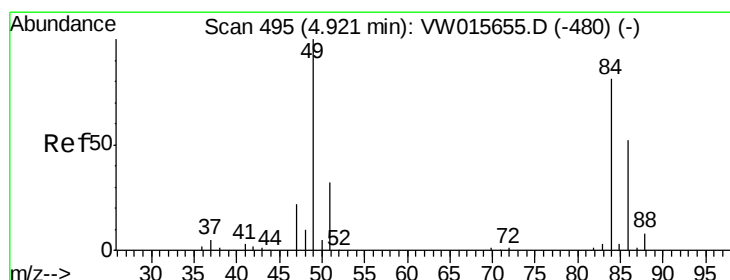
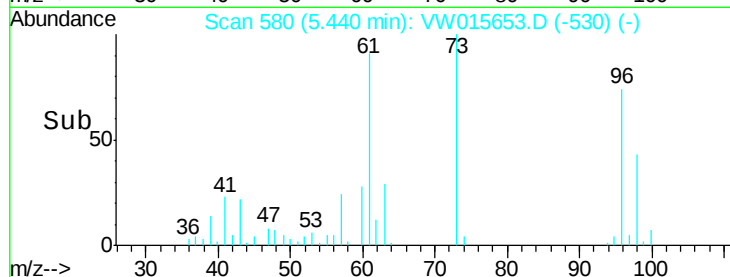
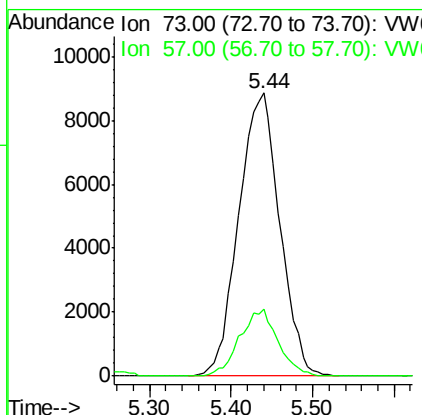
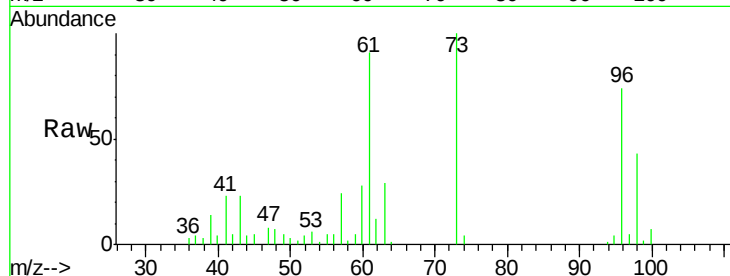


#19

Methyl tert-butyl Ether
 Concen: 10.691 ug/l
 RT: 5.44 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

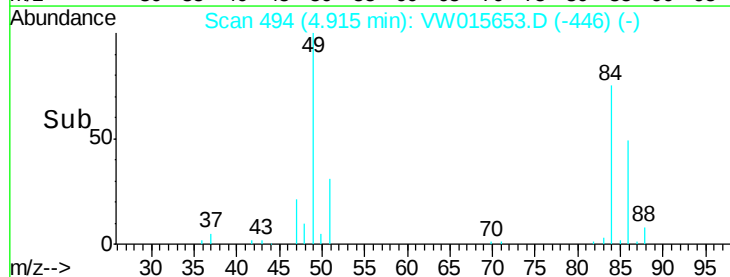
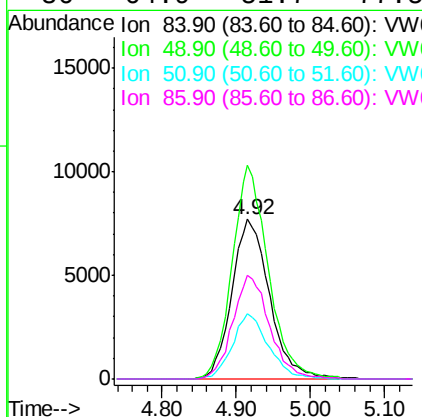
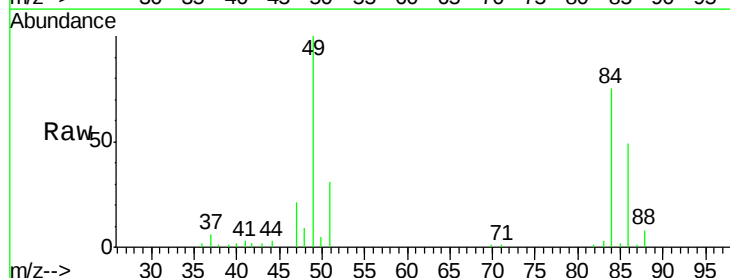
Tgt Ion: 73 Resp: 30942
 Ion Ratio Lower Upper
 73 100
 57 23.7 18.1 27.1

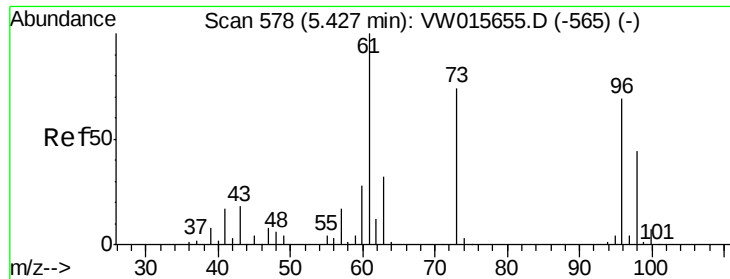


#20

Methylene Chloride
 Concen: 12.526 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Tgt Ion: 84 Resp: 27279
 Ion Ratio Lower Upper
 84 100
 49 133.7 99.3 148.9
 51 40.8 31.8 47.6
 86 64.9 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 10.948 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

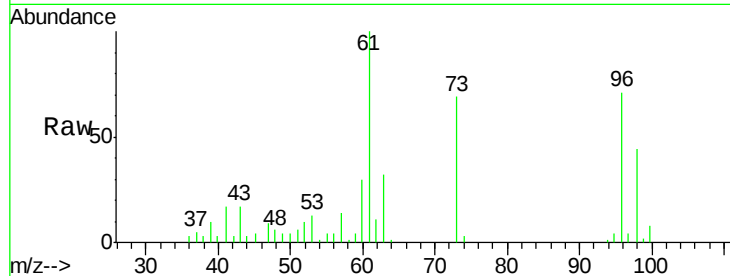
Tgt Ion: 96 Resp: 23583

Ion Ratio Lower Upper

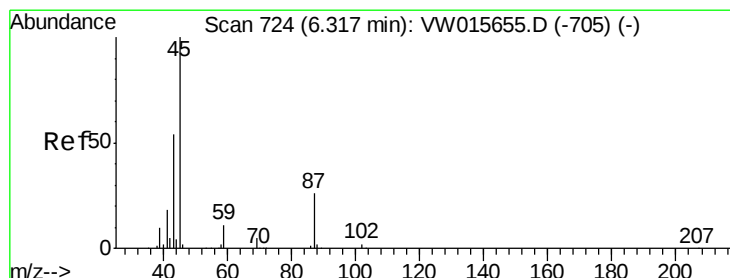
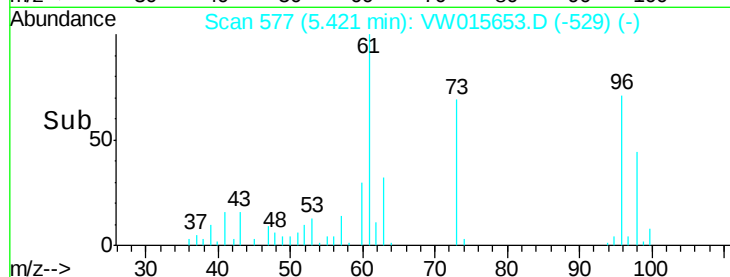
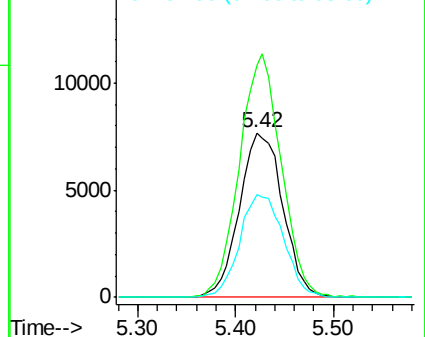
96 100

61 141.0 116.2 174.2

98 62.6 51.4 77.0



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



#22

Diisopropyl ether

Concen: 10.746 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Tgt Ion: 45 Resp: 65518

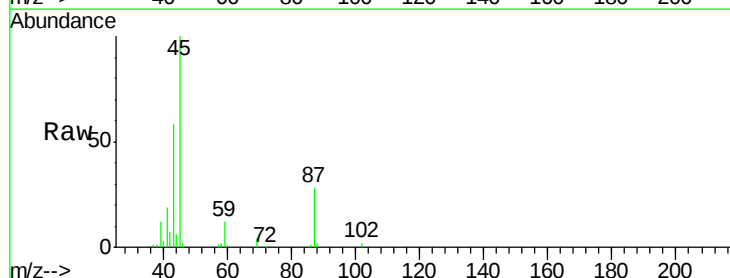
Ion Ratio Lower Upper

45 100

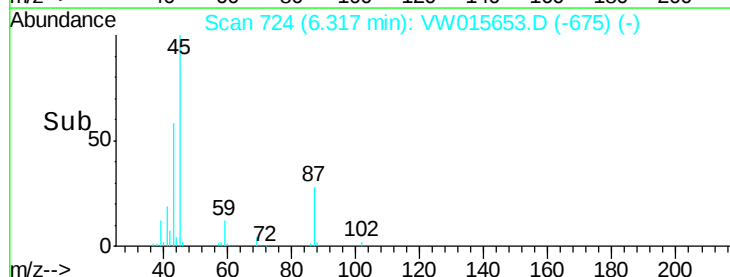
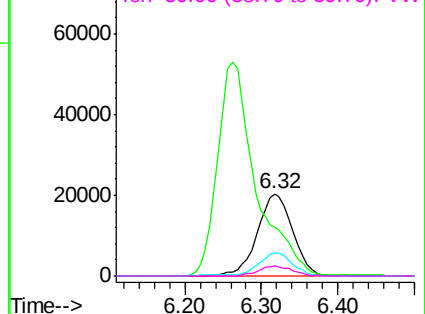
43 57.3 43.9 65.9

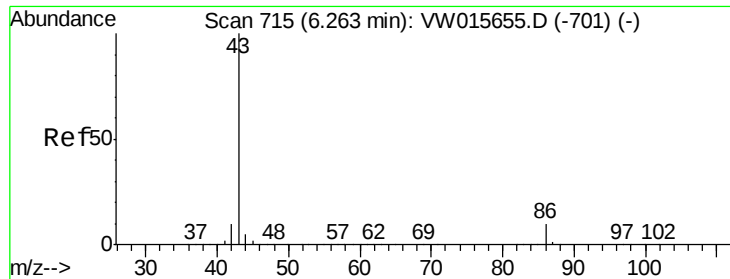
87 28.2 21.2 31.8

59 11.8 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

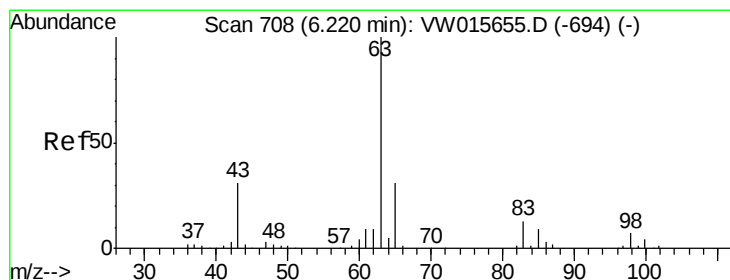
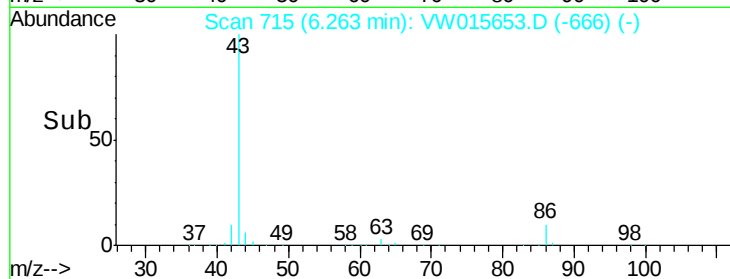
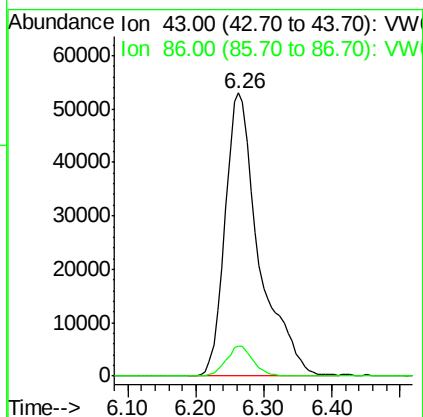
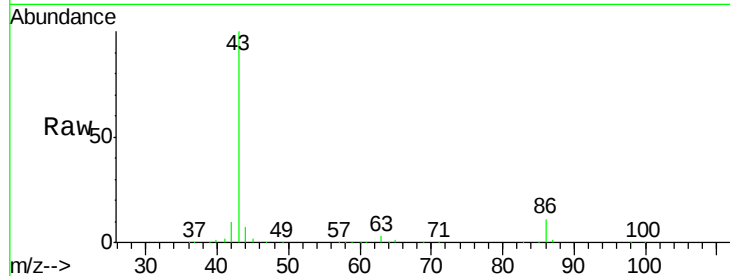




#23
 Vinyl Acetate
 Concen: 51.412 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

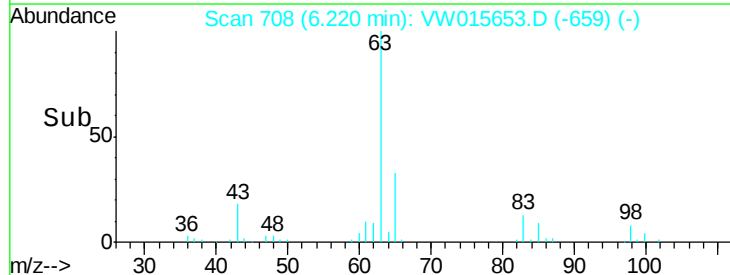
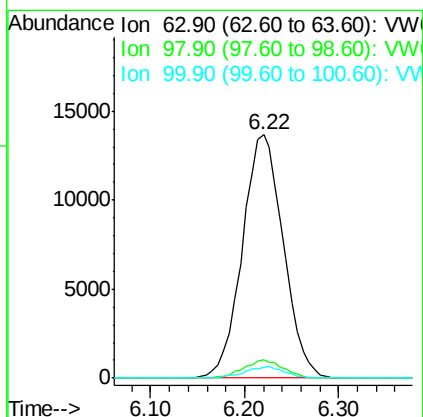
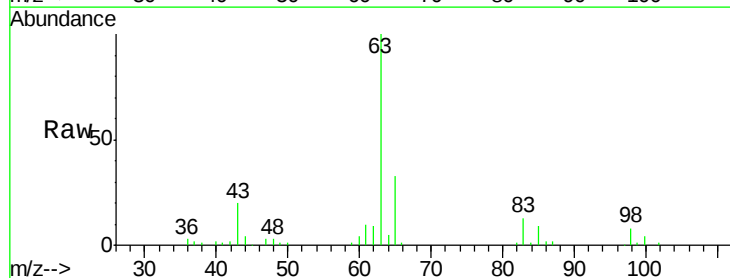
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

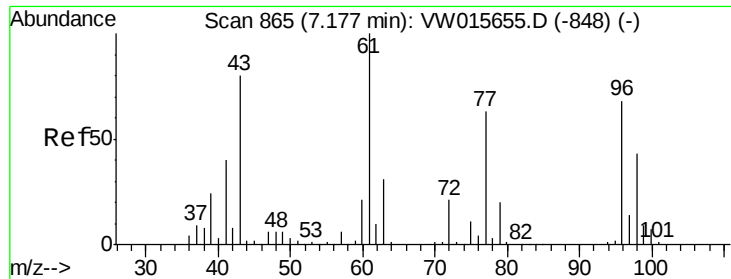
Tgt Ion: 43 Resp: 183856
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 10.824 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Tgt Ion: 63 Resp: 41611
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.5 10.5
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 53.409 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

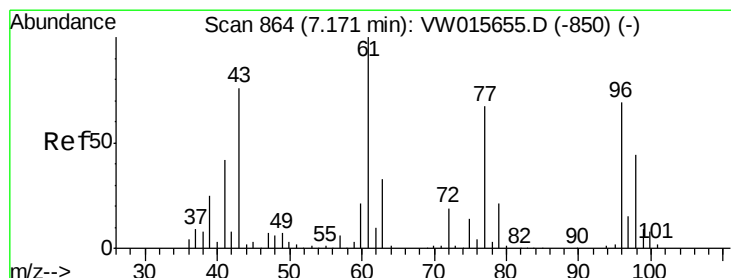
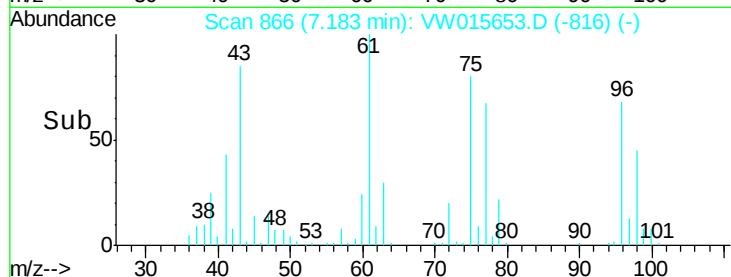
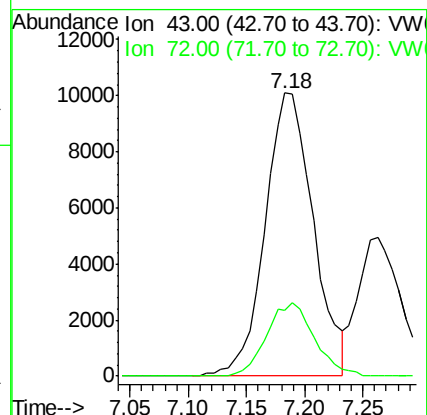
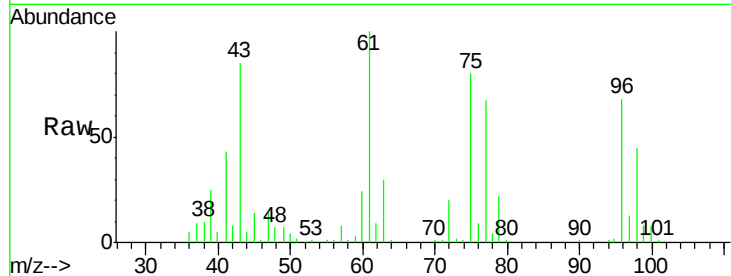
VSTDIC010

Tgt Ion: 43 Resp: 28894

Ion Ratio Lower Upper

43 100

72 23.3 21.1 31.7



#26

2,2-Dichloropropane

Concen: 10.927 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015653.D

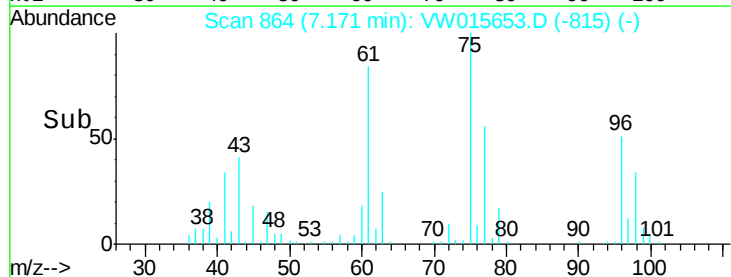
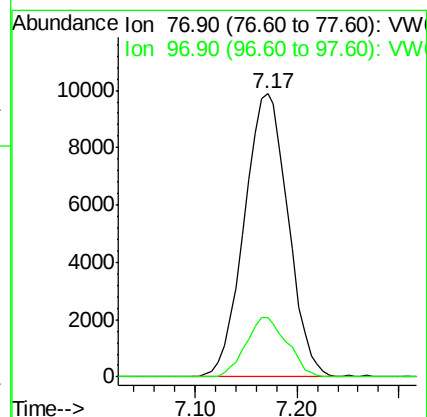
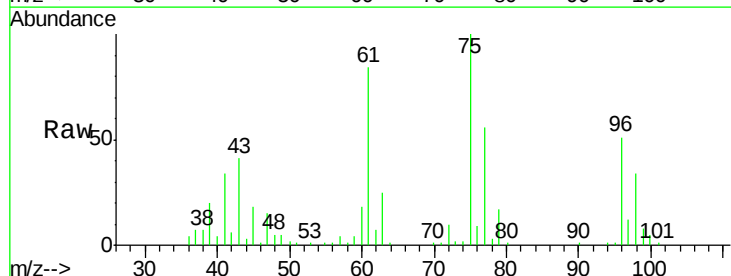
Acq: 23 Jun 2020 11:16

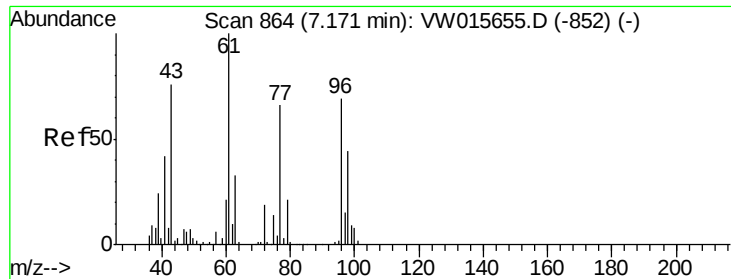
Tgt Ion: 77 Resp: 29475

Ion Ratio Lower Upper

77 100

97 19.9 11.2 33.5



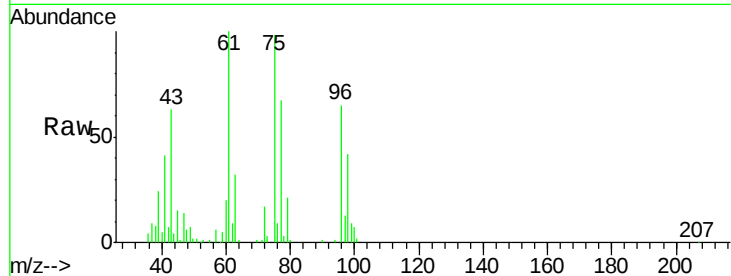


#27

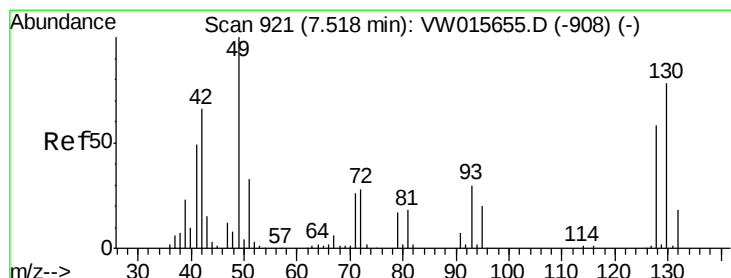
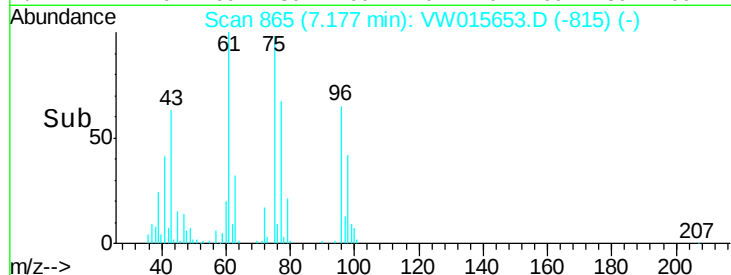
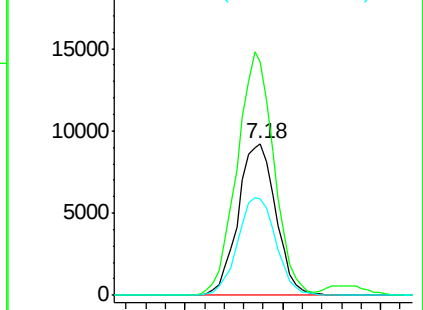
cis-1,2-Dichloroethene
Concen: 10.556 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 96 Resp: 24726
Ion Ratio Lower Upper
96 100
61 156.7 0.0 296.8
98 65.3 0.0 128.0



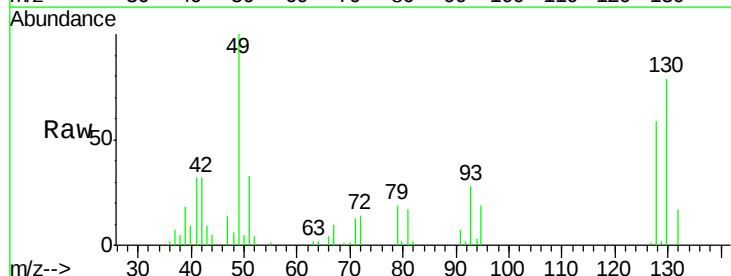
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



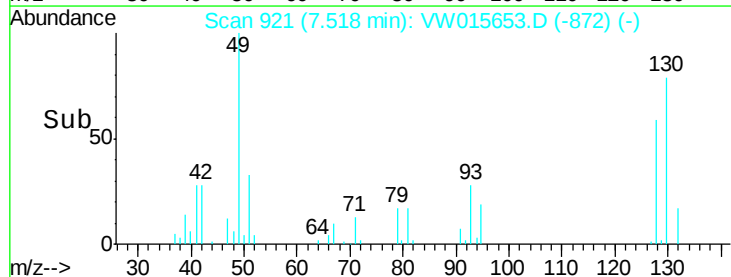
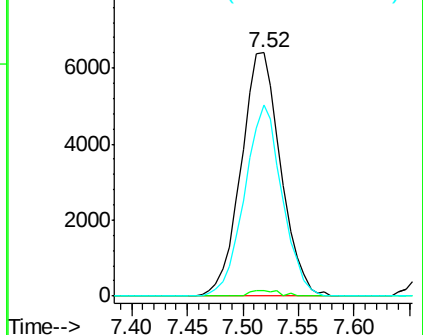
#28

Bromochloromethane
Concen: 11.005 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion: 49 Resp: 15860
Ion Ratio Lower Upper
49 100
129 1.6 0.0 2.2
130 74.3 61.0 91.4



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

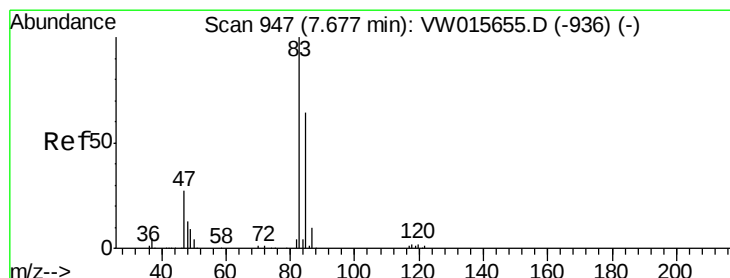
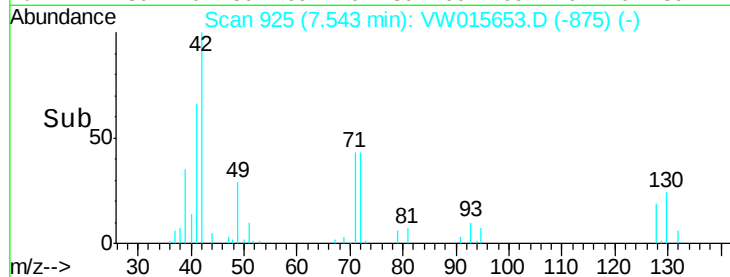
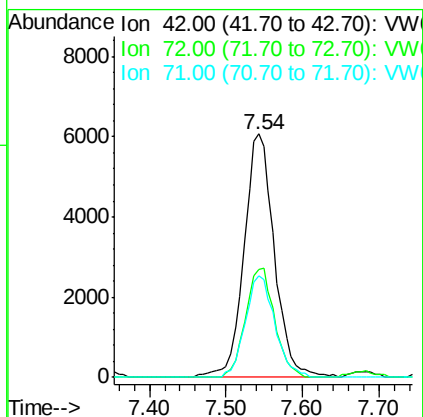
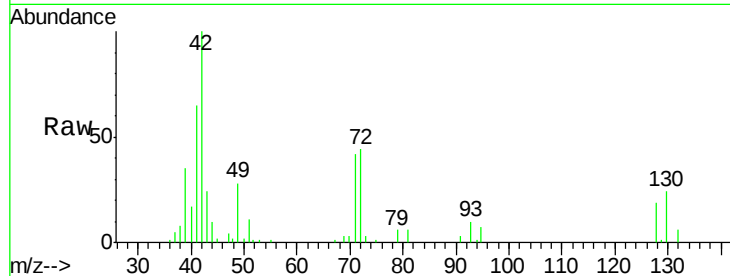




#29
Tetrahydrofuran
Concen: 51.858 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

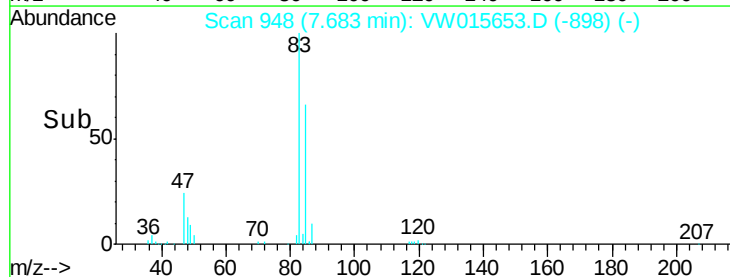
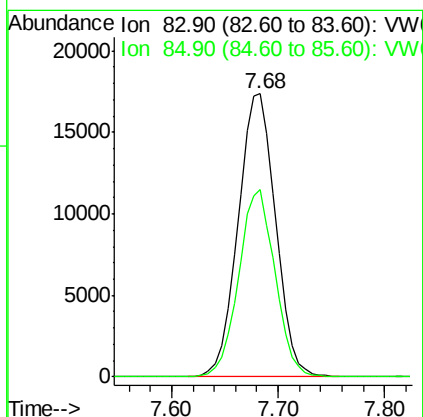
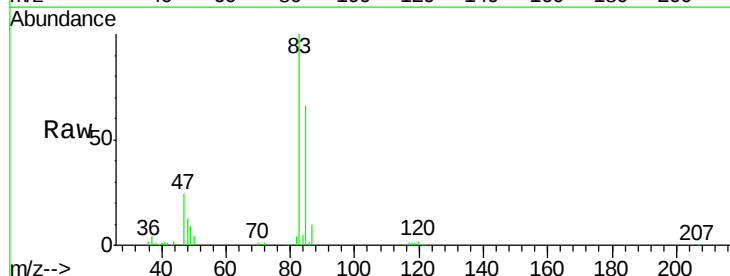
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

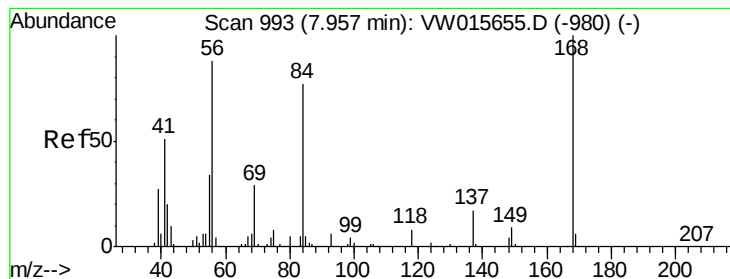
Tgt Ion: 42 Resp: 16740
Ion Ratio Lower Upper
42 100
72 42.9 35.0 52.6
71 40.6 32.6 49.0



#30
Chloroform
Concen: 11.045 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion: 83 Resp: 42864
Ion Ratio Lower Upper
83 100
85 66.0 51.0 76.4





#31

Cyclohexane

Concen: 10.899 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

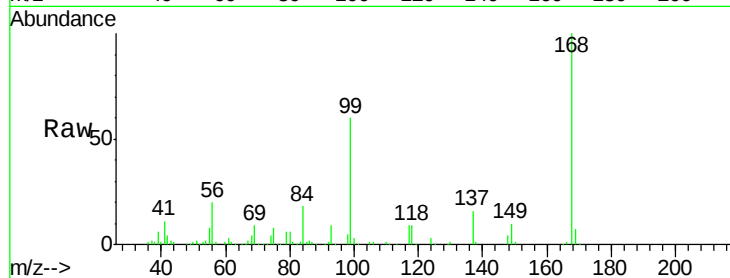
Tgt Ion: 56 Resp: 41338

Ion Ratio Lower Upper

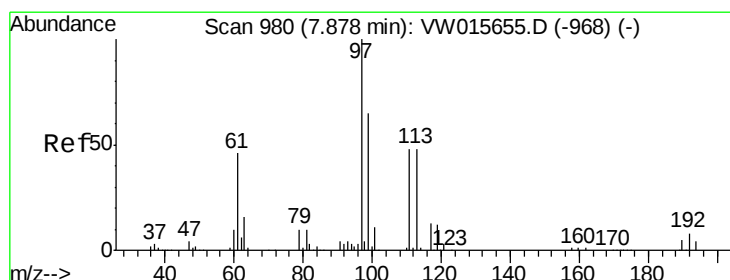
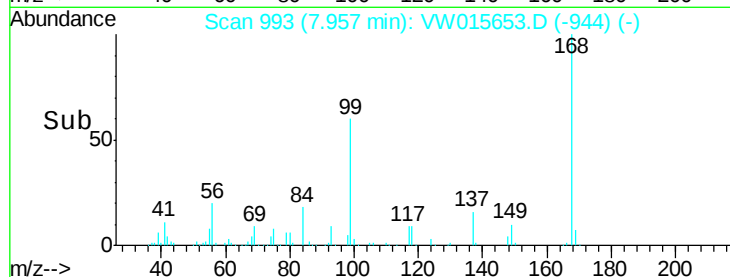
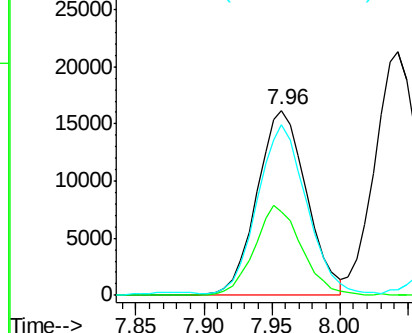
56 100

69 45.0 26.2 39.4#

84 90.5 70.4 105.6



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: 10.914 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

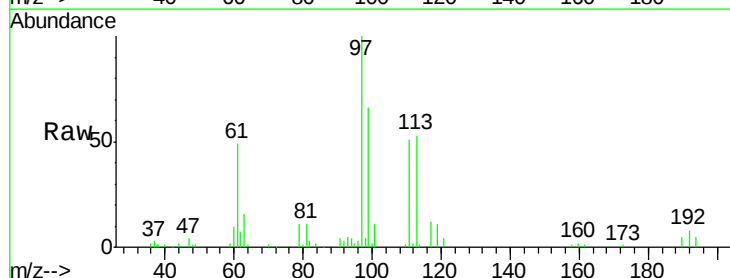
Tgt Ion: 97 Resp: 36723

Ion Ratio Lower Upper

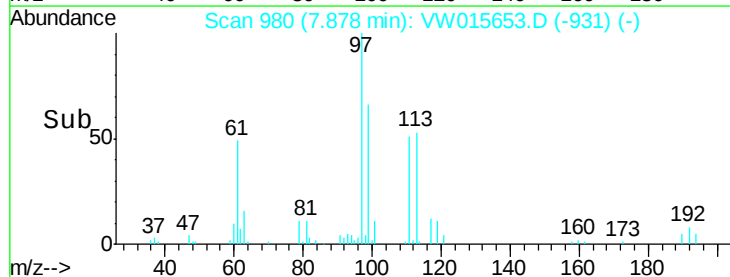
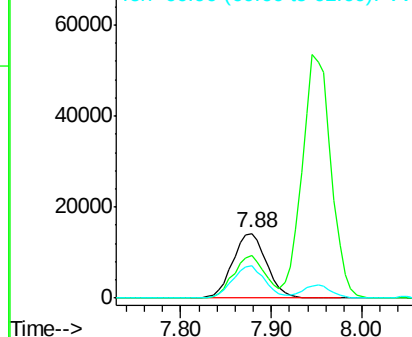
97 100

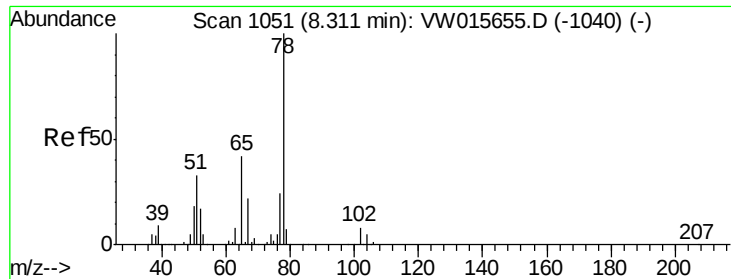
99 62.2 51.9 77.9

61 47.9 37.3 55.9



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





#33

1,2-Dichloroethane-d4

Concen: 11.294 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

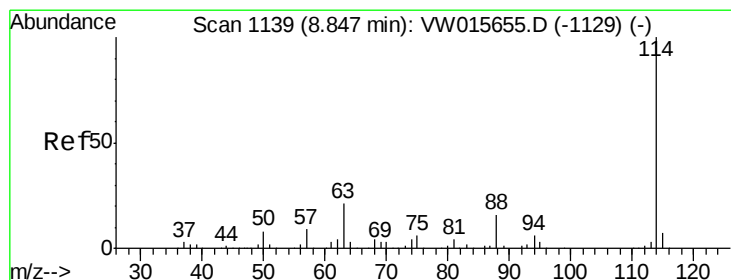
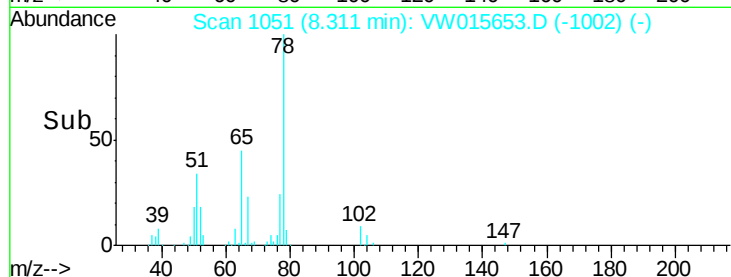
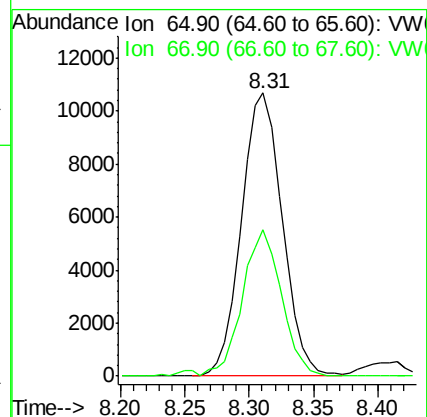
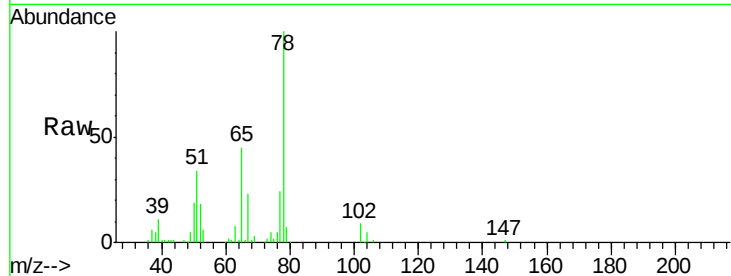
VSTDIC010

Tgt Ion: 65 Resp: 23474

Ion Ratio Lower Upper

65 100

67 49.3 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

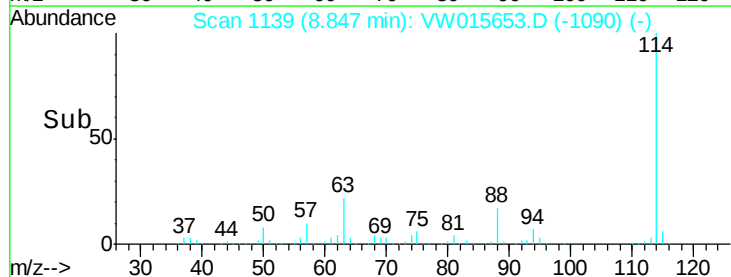
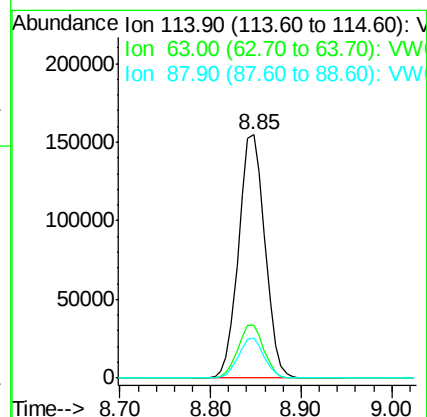
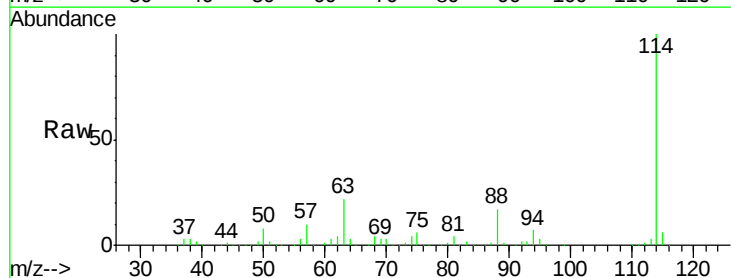
Tgt Ion: 114 Resp: 311458

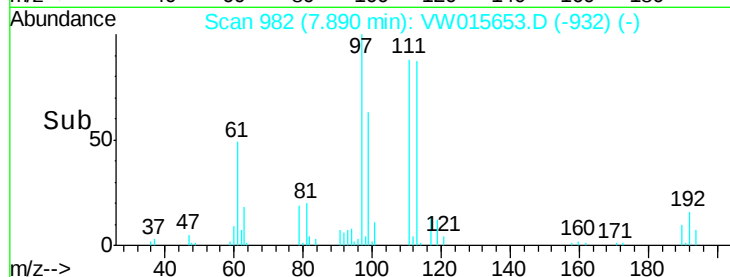
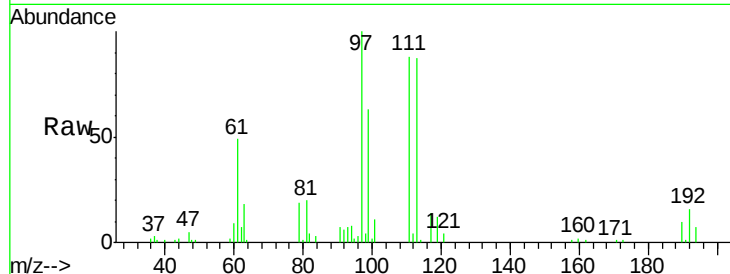
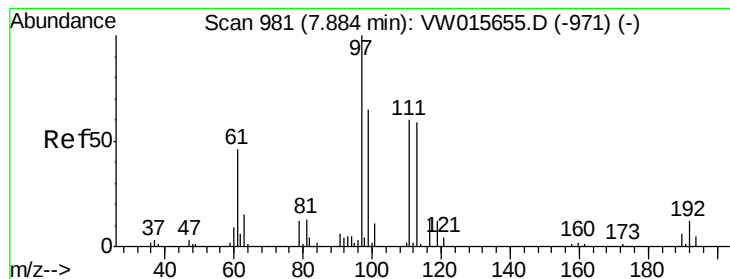
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 11.269 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

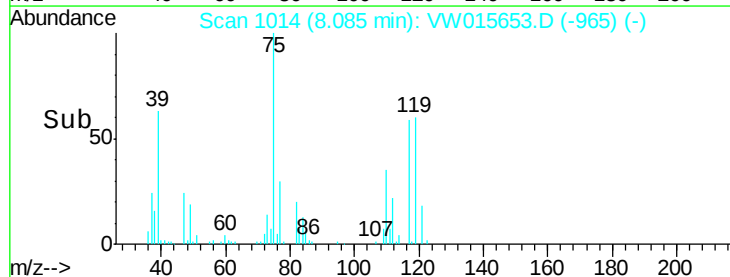
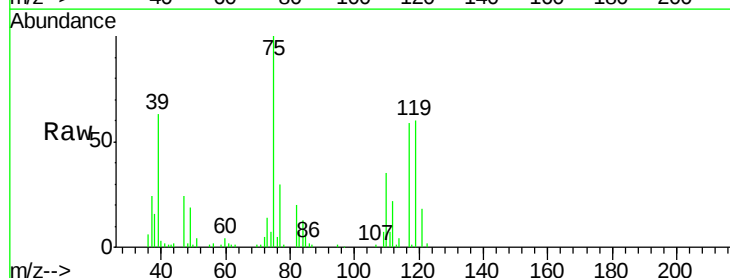
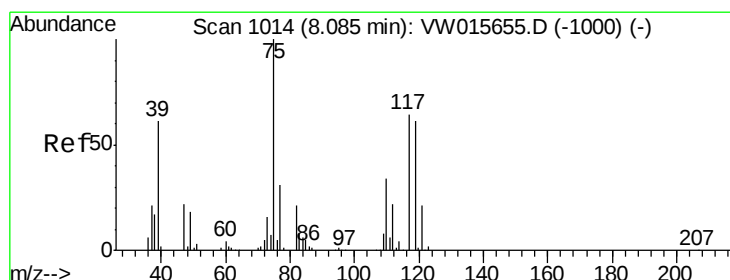
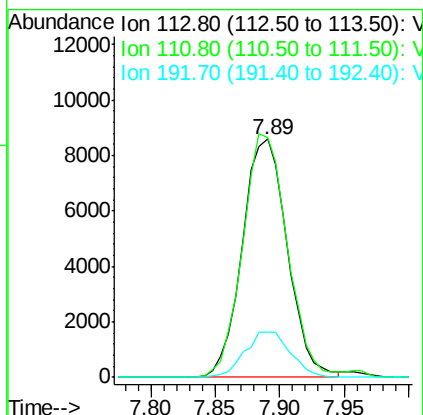
Tgt Ion:113 Resp: 20800

Ion Ratio Lower Upper

113 100

111 101.3 82.3 123.5

192 19.4 16.4 24.6



#36

1,1-Dichloropropene

Concen: 10.945 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

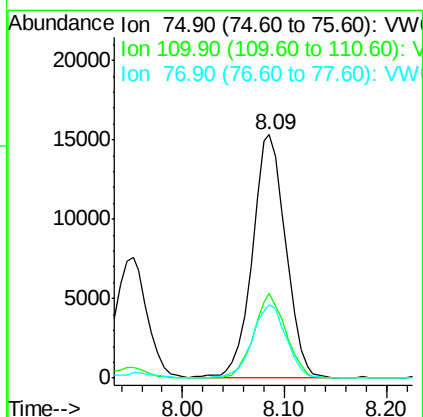
Tgt Ion: 75 Resp: 34902

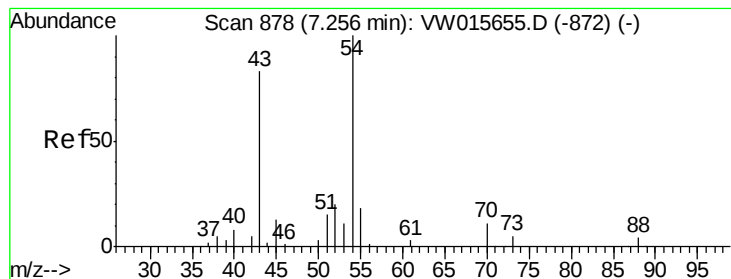
Ion Ratio Lower Upper

75 100

110 33.3 17.0 51.0

77 30.7 24.6 36.8





#37

Ethyl Acetate

Concen: 10.402 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

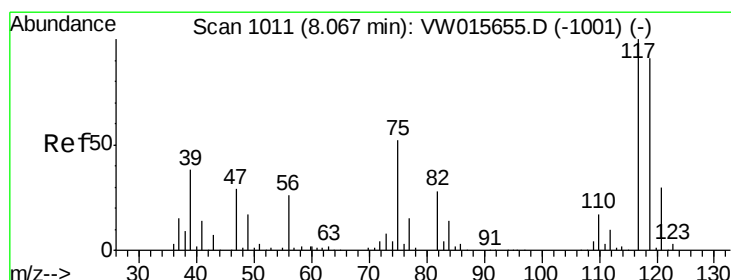
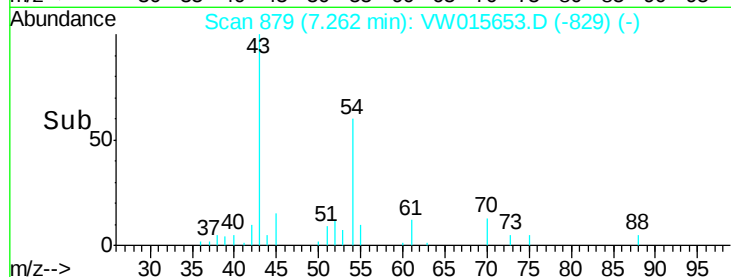
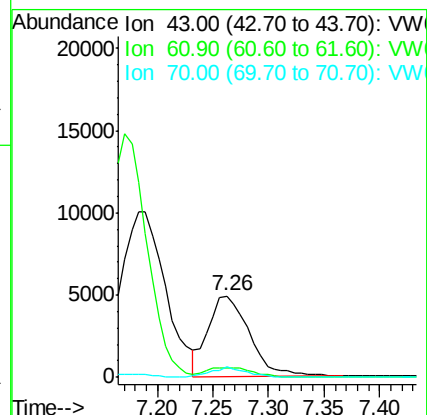
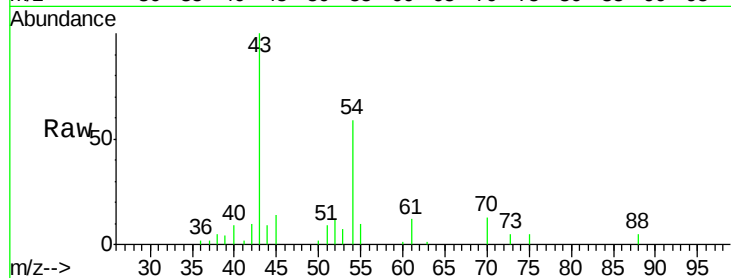
Tgt Ion: 43 Resp: 12500

Ion Ratio Lower Upper

43 100

61 14.0 10.4 15.6

70 11.0 8.4 12.6



#38

Carbon Tetrachloride

Concen: 10.609 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

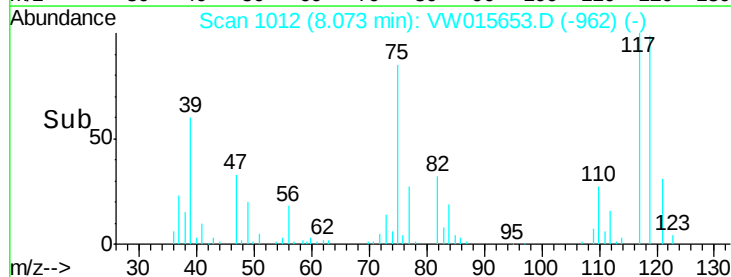
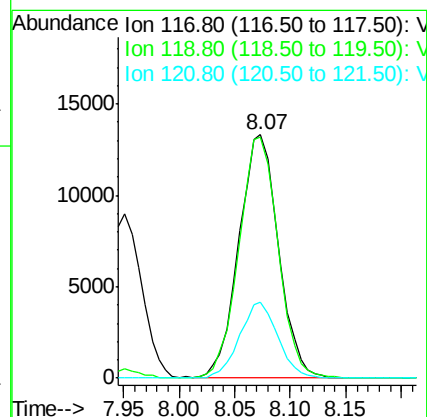
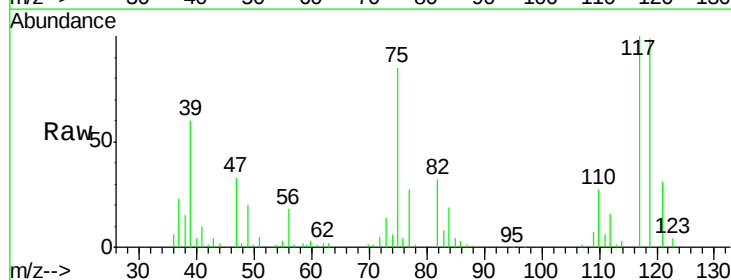
Tgt Ion: 117 Resp: 32951

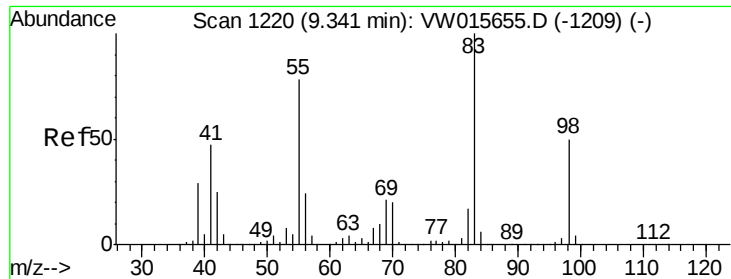
Ion Ratio Lower Upper

117 100

119 99.0 73.2 109.8

121 31.2 23.9 35.9

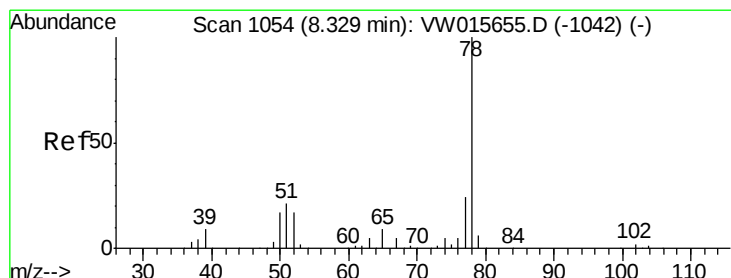
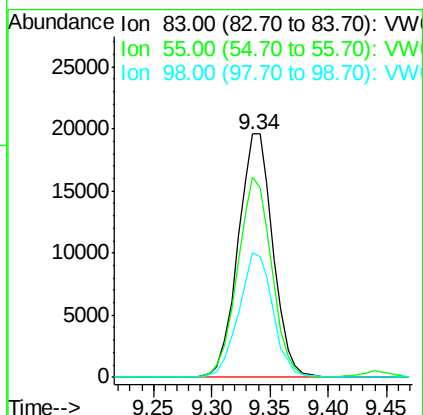
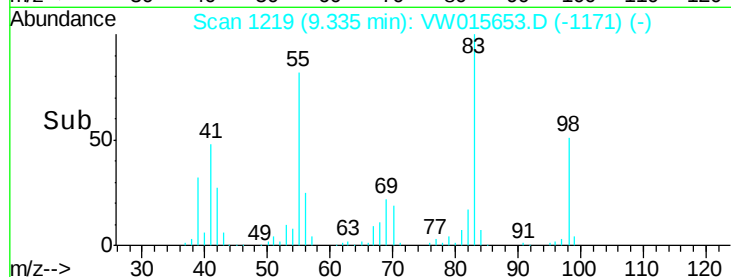
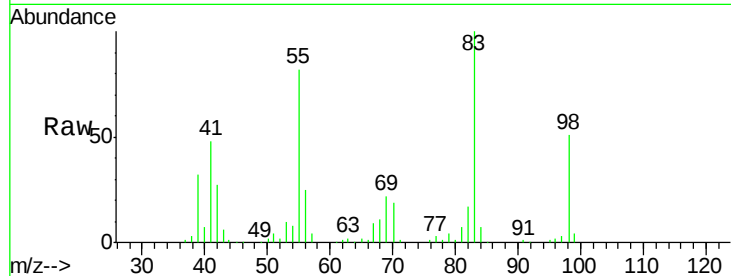




#39
Methylcyclohexane
Concen: 10.371 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

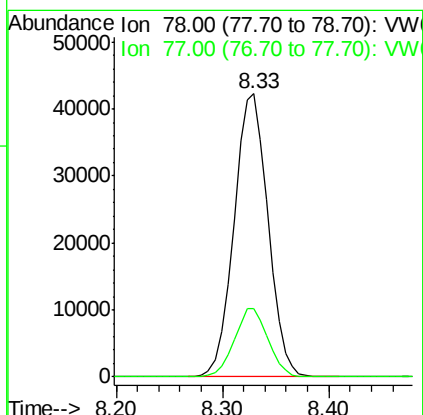
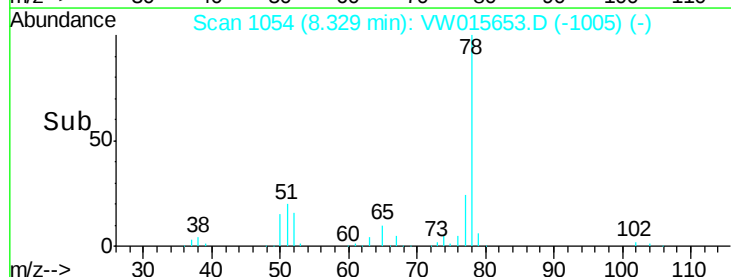
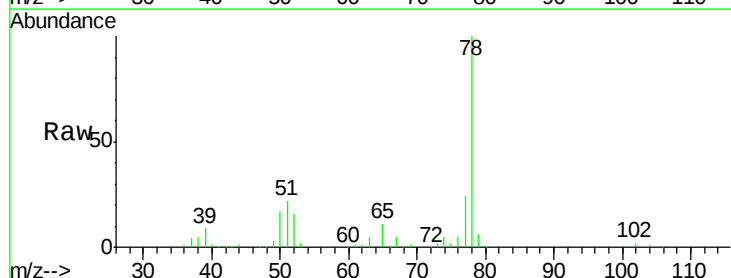
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

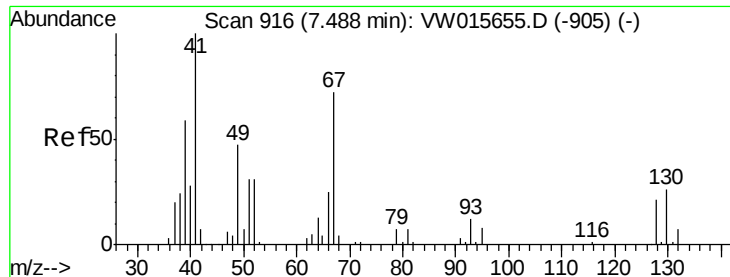
Tgt Ion: 83 Resp: 40758
Ion Ratio Lower Upper
83 100
55 82.1 62.8 94.2
98 51.0 39.9 59.9



#40
Benzene
Concen: 11.035 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion: 78 Resp: 94624
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9

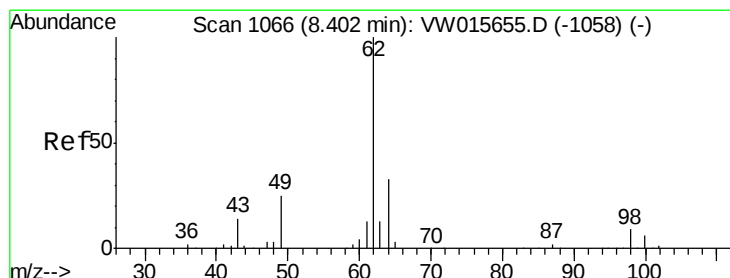
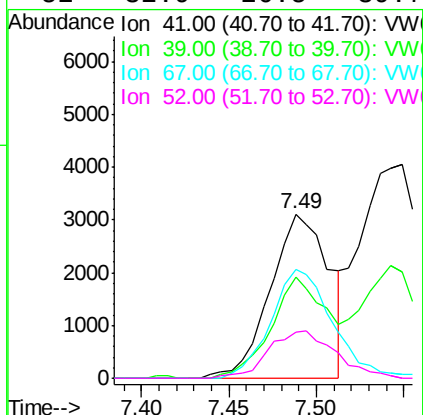
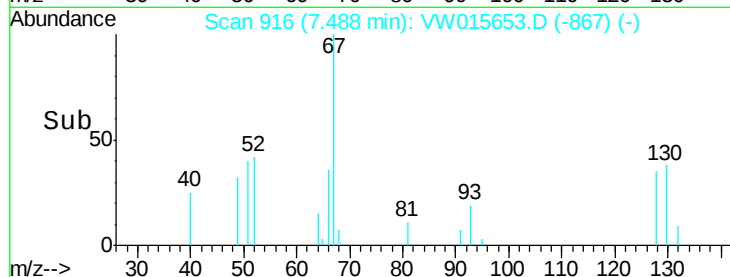
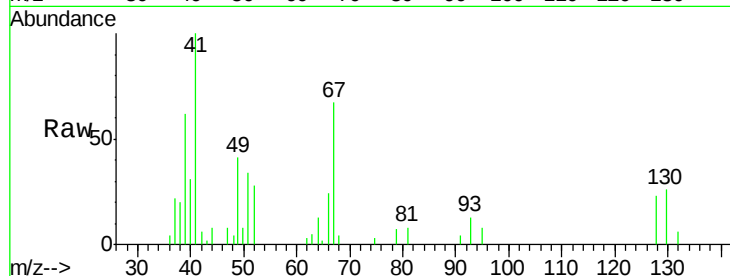




#41
Methacrylonitrile
Concen: 10.729 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

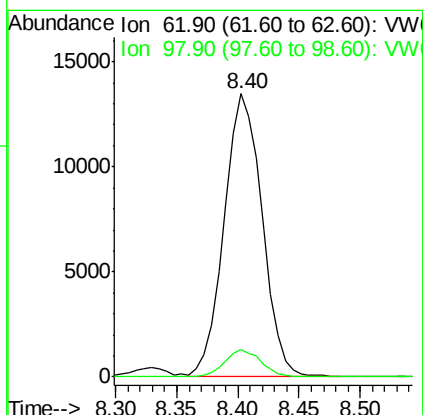
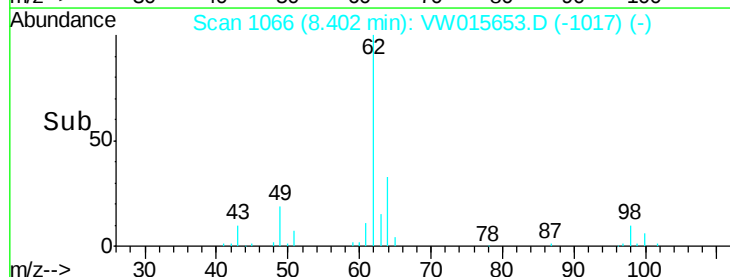
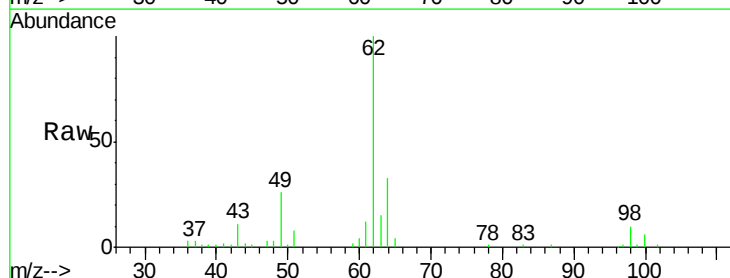
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

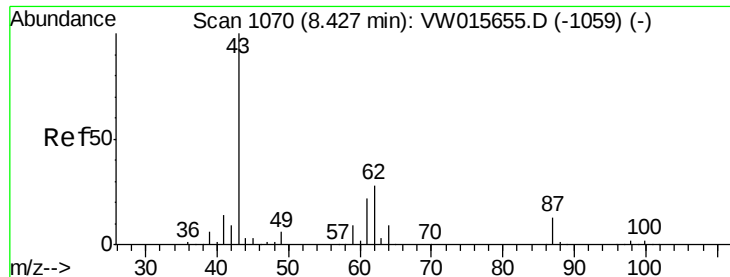
Tgt Ion:	41	Resp:	7300
Ion	Ratio	Lower	Upper
41	100		
39	58.3	52.0	78.0
67	69.6	57.5	86.3
52	32.9	26.5	39.7



#42
1,2-Dichloroethane
Concen: 11.155 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion:	62	Resp:	29040
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.4





#43

Isopropyl Acetate

Concen: 10.780 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

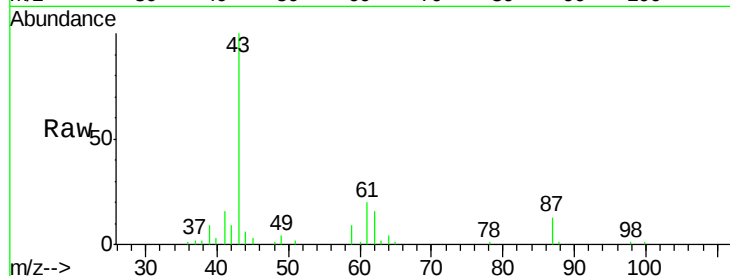
Tgt Ion: 43 Resp: 25702

Ion Ratio Lower Upper

43 100

61 30.5 24.7 37.1

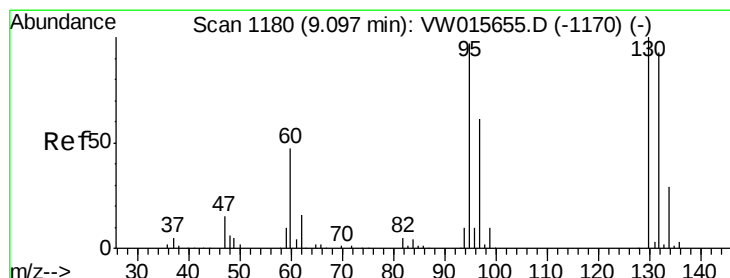
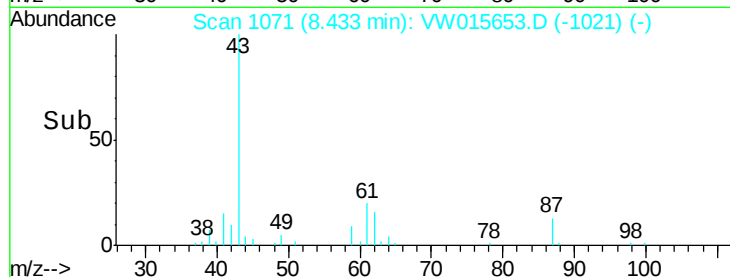
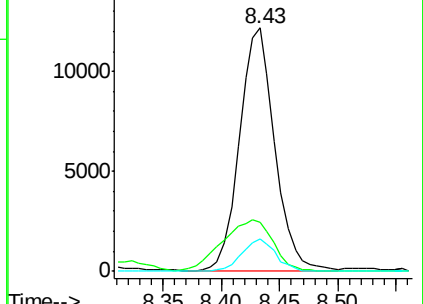
87 12.4 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 10.953 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW015653.D

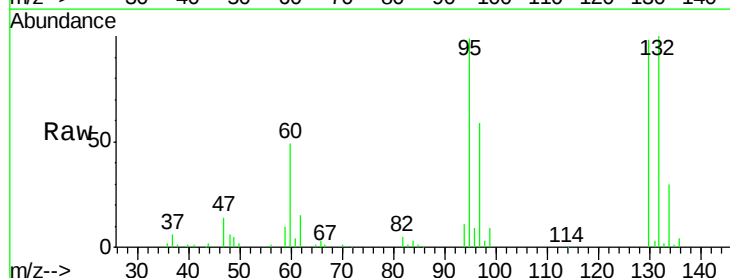
Acq: 23 Jun 2020 11:16

Tgt Ion: 130 Resp: 25154

Ion Ratio Lower Upper

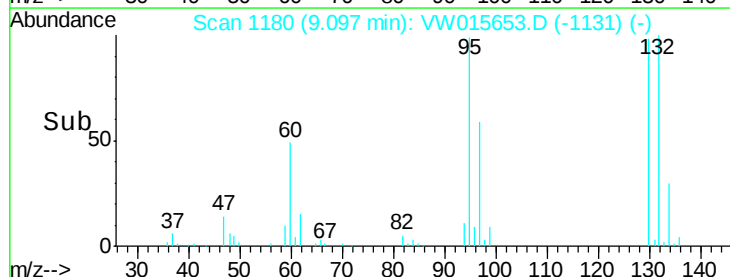
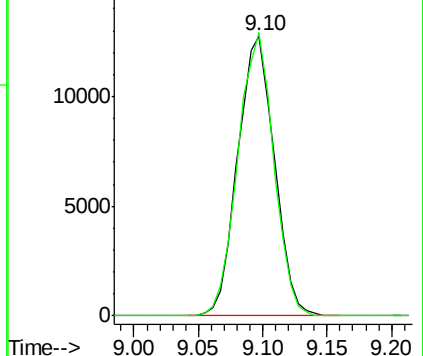
130 100

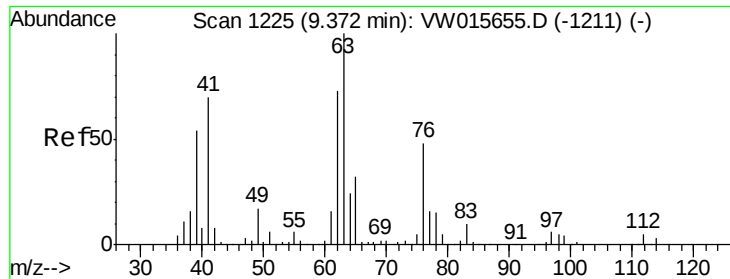
95 101.1 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

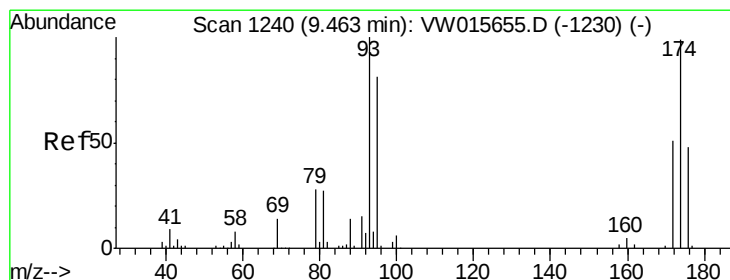
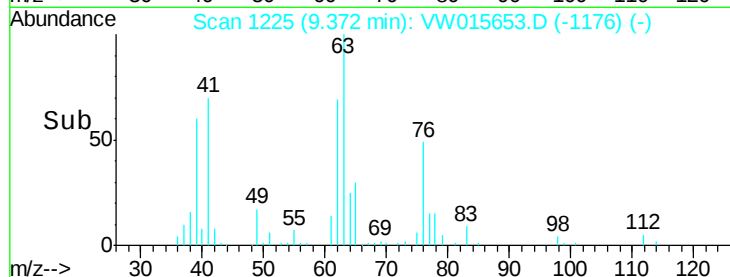
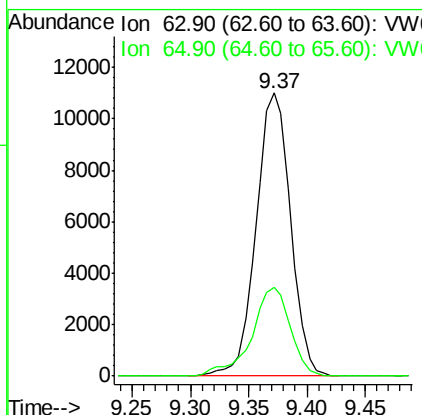
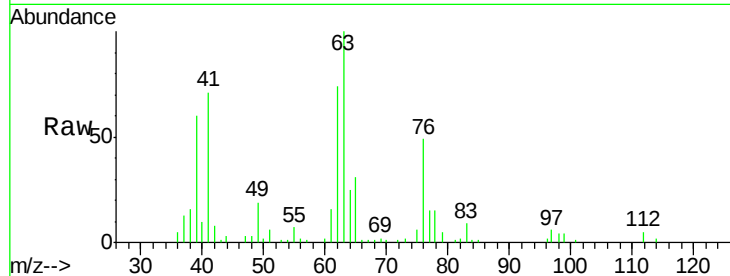




#45
 1,2-Dichloropropane
 Concen: 10.896 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

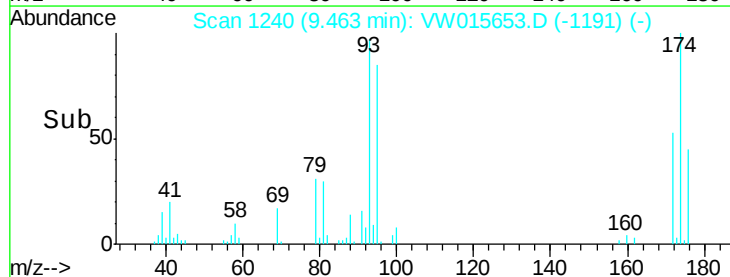
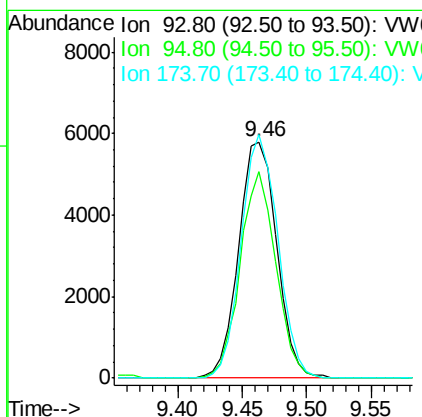
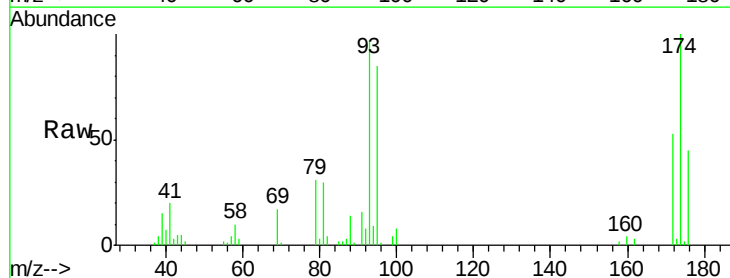
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

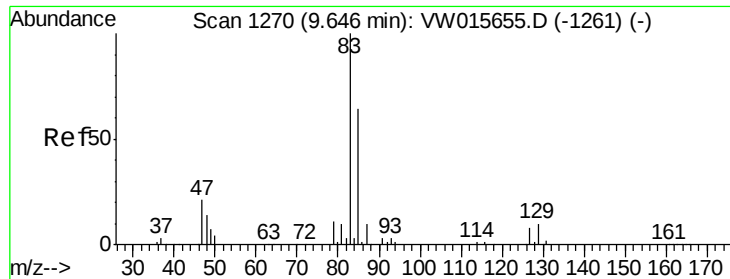
Tgt Ion: 63 Resp: 22687
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.3 37.9



#46
 Dibromomethane
 Concen: 11.266 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Tgt Ion: 93 Resp: 11898
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.7 98.5
 174 99.0 79.0 118.6





#47

Bromodichloromethane

Concen: 10.428 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

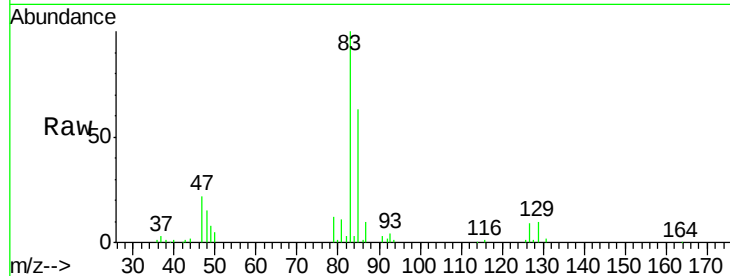
Tgt Ion: 83 Resp: 29860

Ion Ratio Lower Upper

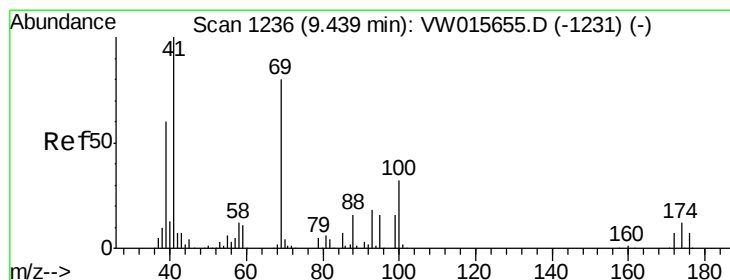
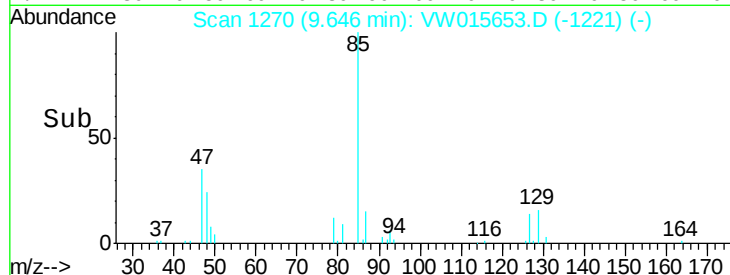
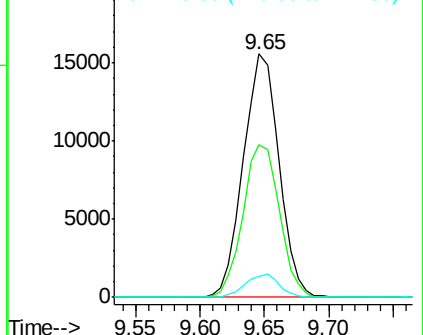
83 100

85 62.7 50.8 76.2

127 8.7 6.3 9.5



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: 10.320 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

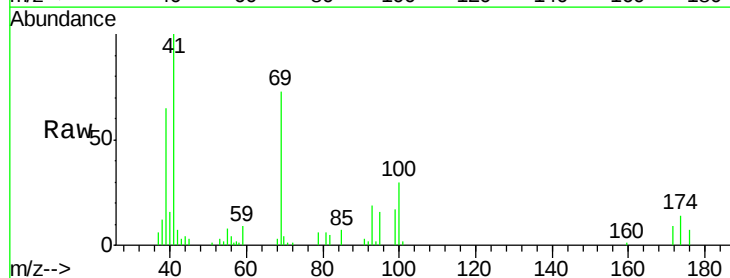
Tgt Ion: 41 Resp: 11278

Ion Ratio Lower Upper

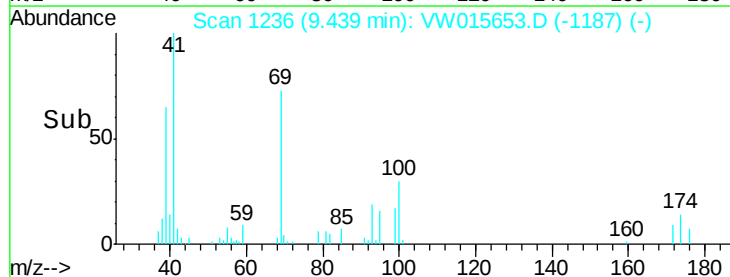
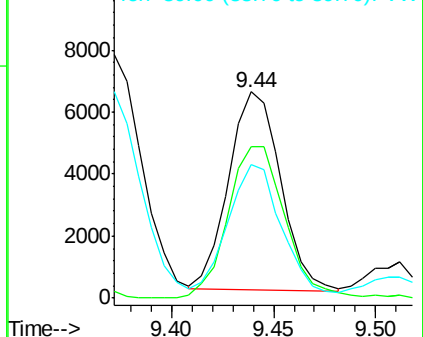
41 100

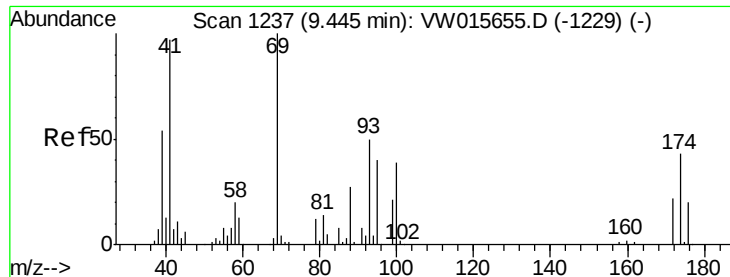
69 84.3 68.2 102.2

39 71.5 49.8 74.6



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

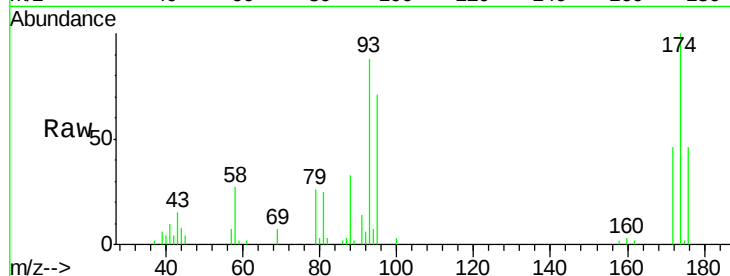




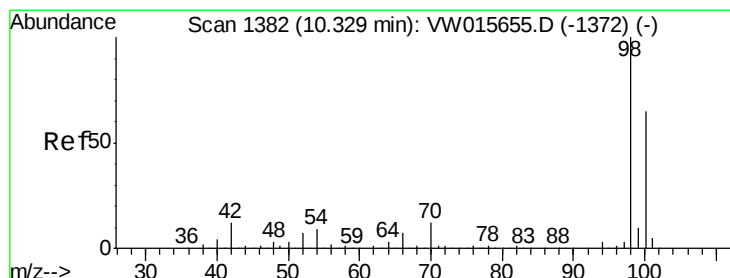
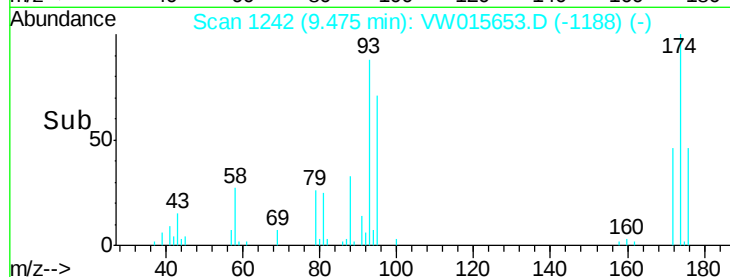
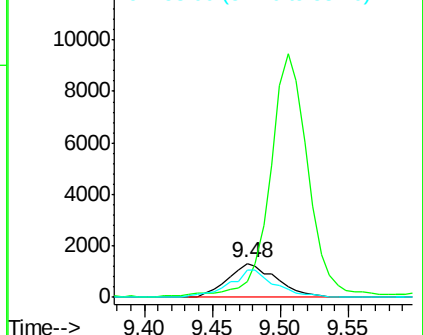
#49
1,4-Dioxane
Concen: 232.947 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.03 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 88 Resp: 3240
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 76.4 56.1 84.1

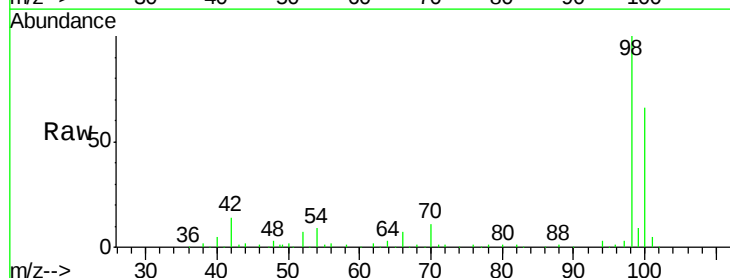


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

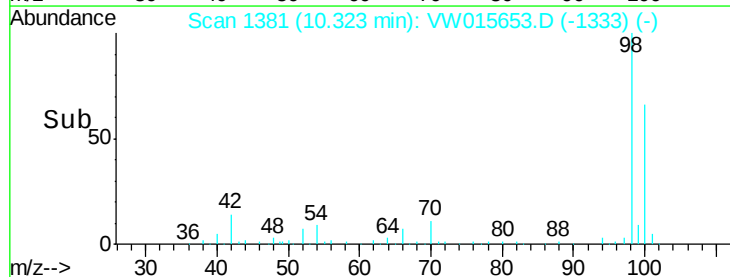
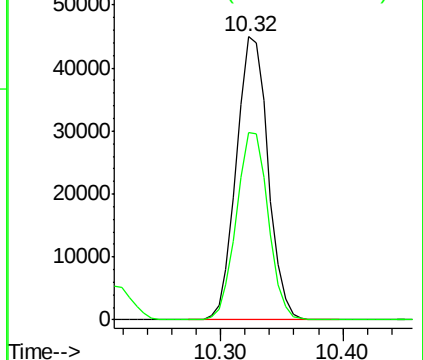


#50
Toluene-d8
Concen: 10.783 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion: 98 Resp: 80737
Ion Ratio Lower Upper
98 100
100 66.6 52.8 79.2



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





#51

4-Methyl-2-Pentanone

Concen: 54.499 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

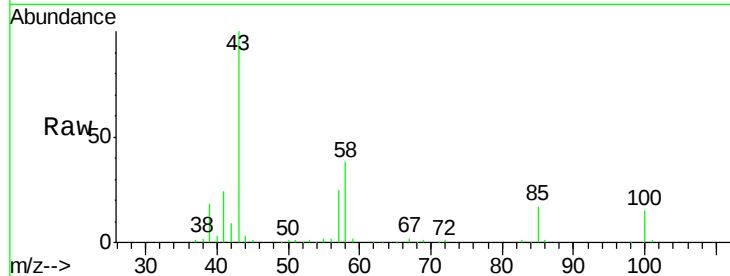
VSTDIC010

Tgt Ion: 43 Resp: 61770

Ion Ratio Lower Upper

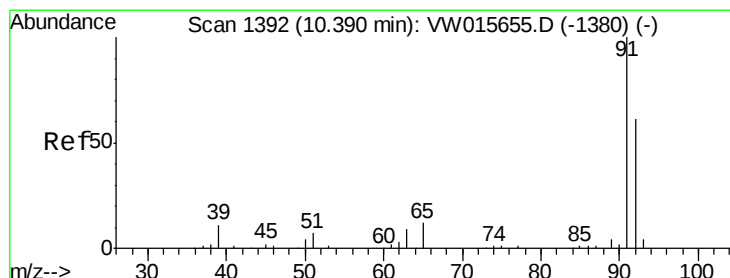
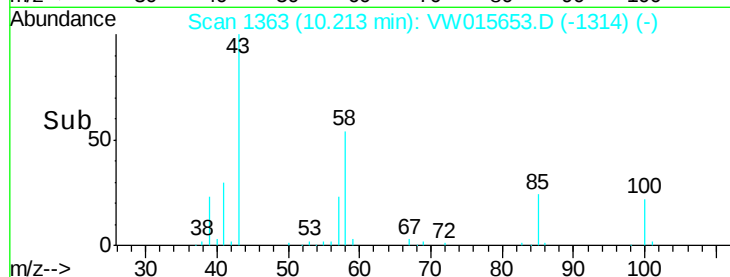
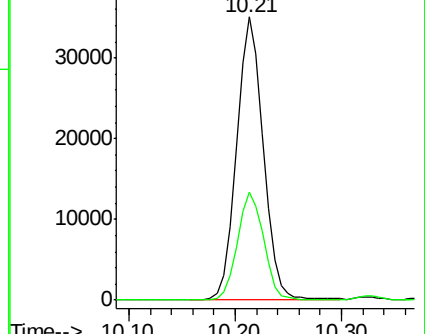
43 100

58 37.6 31.2 46.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 10.800 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015653.D

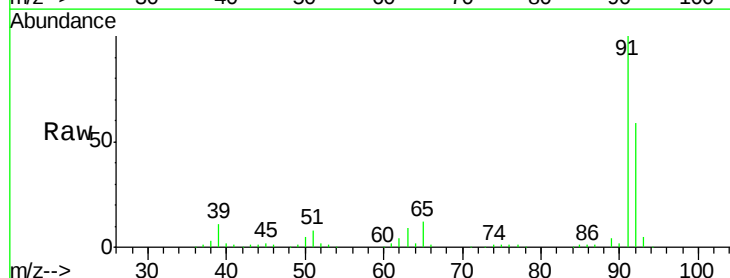
Acq: 23 Jun 2020 11:16

Tgt Ion: 92 Resp: 59795

Ion Ratio Lower Upper

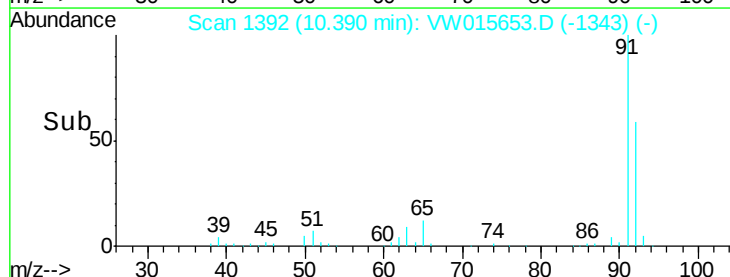
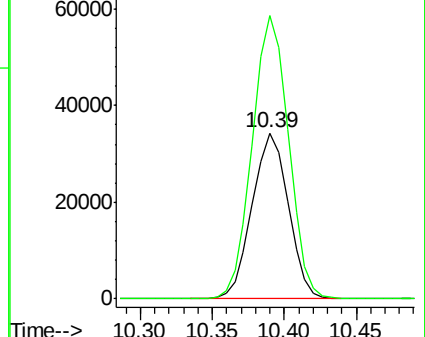
92 100

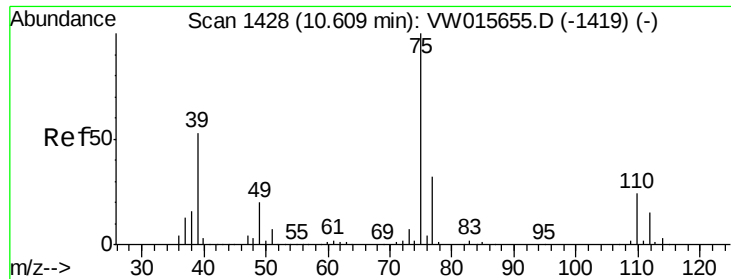
91 170.7 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

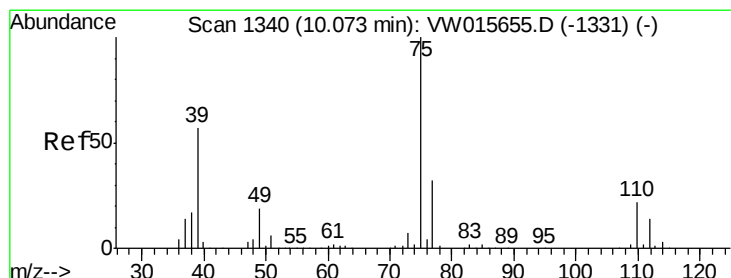
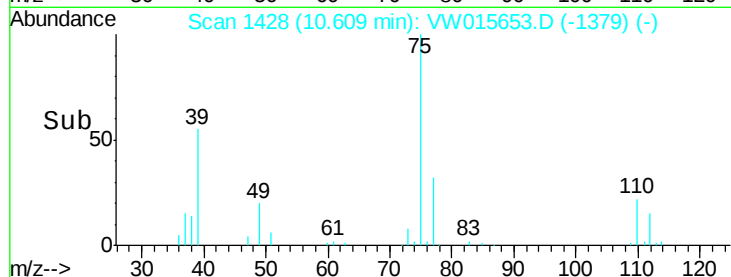
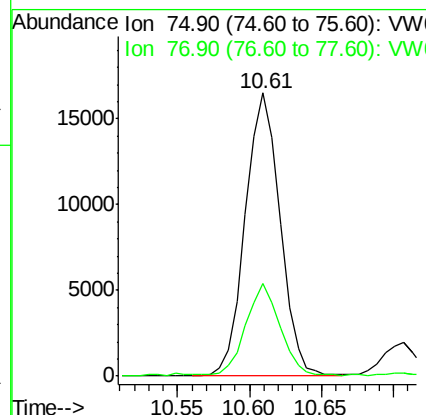
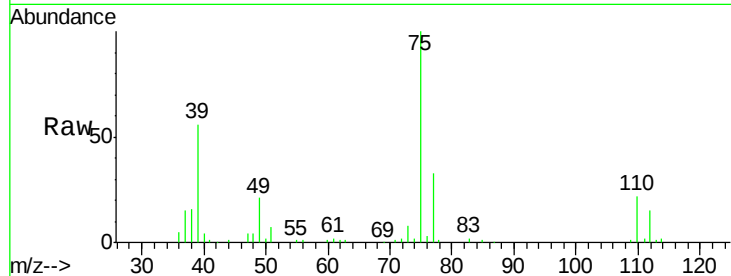




#53
 t-1,3-Dichloropropene
 Concen: 9.916 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

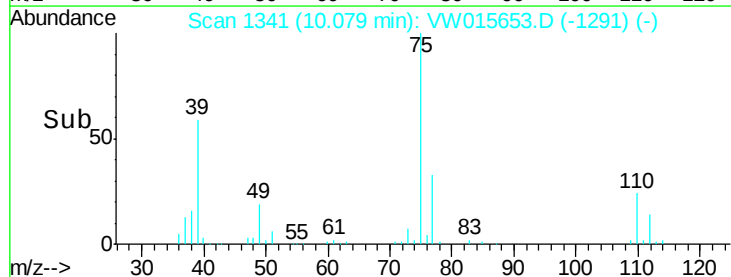
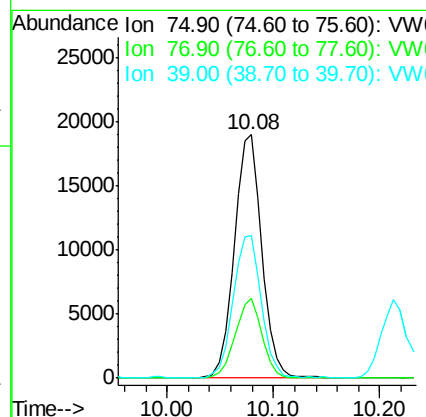
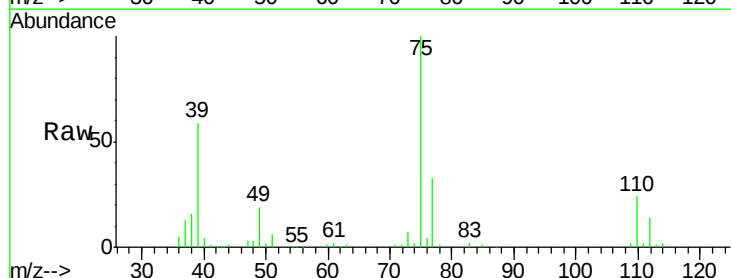
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

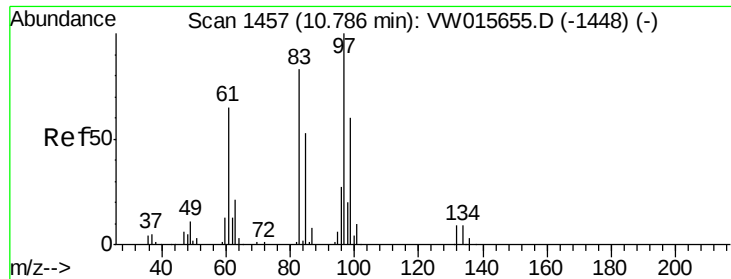
Tgt Ion: 75 Resp: 27764
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 10.311 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Tgt Ion: 75 Resp: 34289
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2
 39 58.7 45.8 68.6

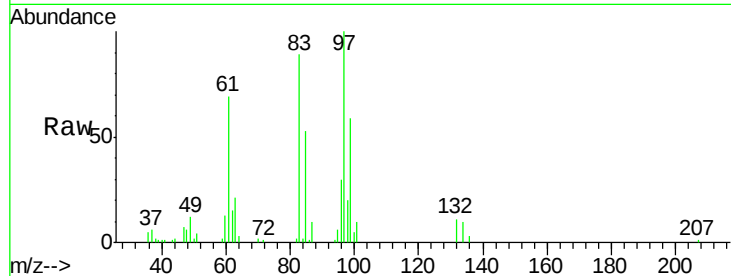




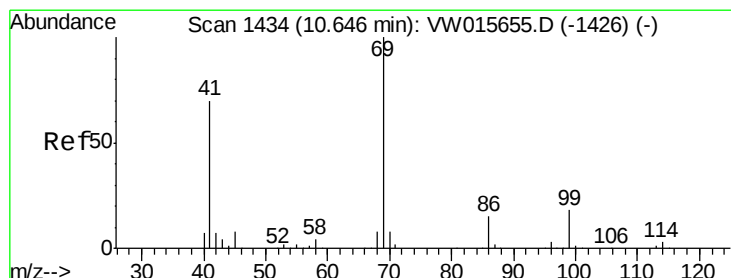
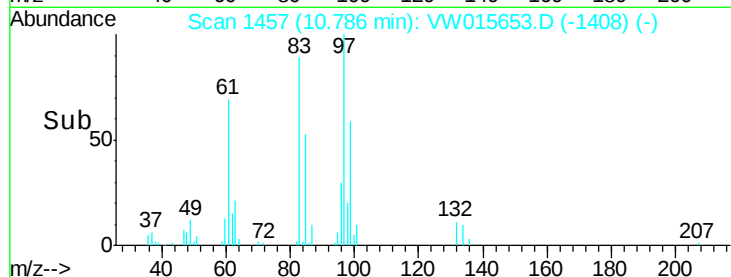
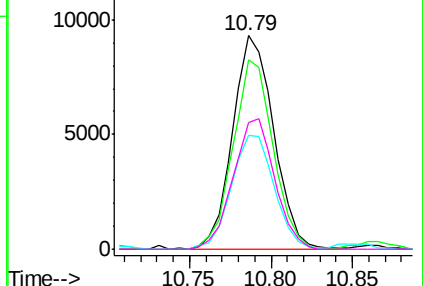
#55
 1,1,2-Trichloroethane
 Concen: 11.108 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion:	97	Resp:	16371
Ion	Ratio	Lower	Upper
97	100		
83	89.0	66.3	99.5
85	53.4	42.5	63.7
99	59.4	48.3	72.5

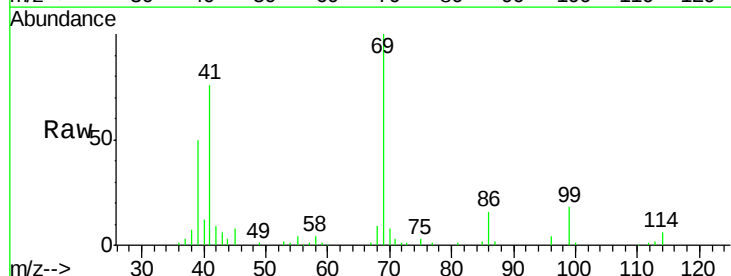


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

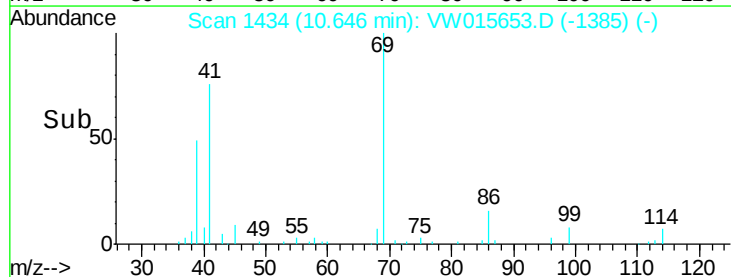
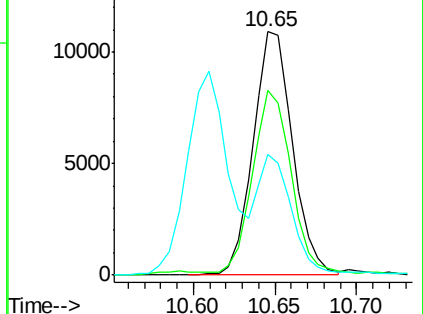


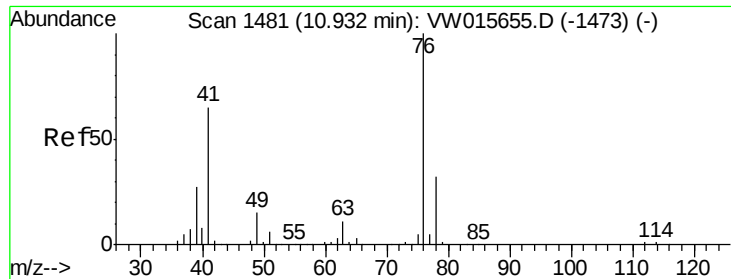
#56
 Ethyl methacrylate
 Concen: 9.617 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Tgt Ion:	69	Resp:	18292
Ion	Ratio	Lower	Upper
69	100		
41	72.6	55.8	83.6
39	42.8	29.5	44.3



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

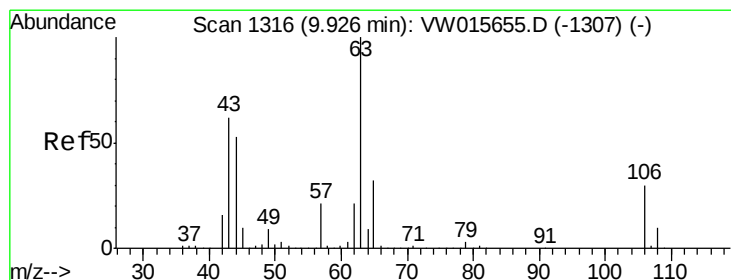
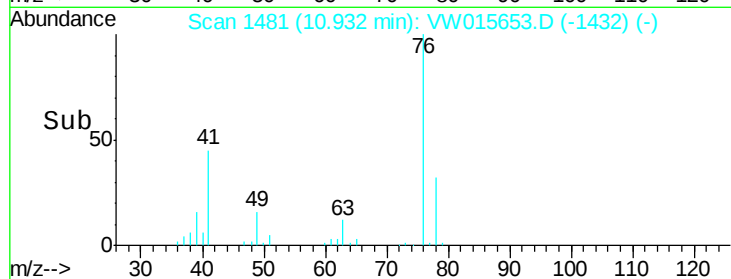
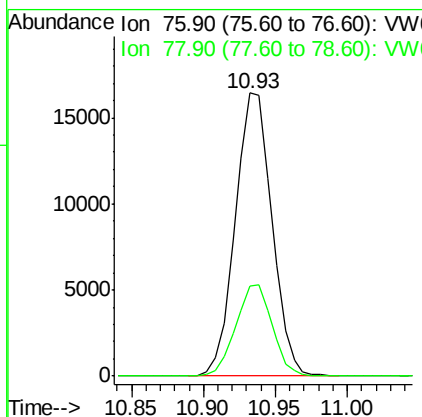
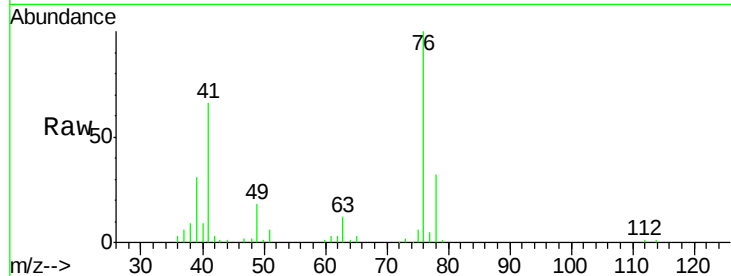




#57
 1,3-Dichloropropane
 Concen: 11.166 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

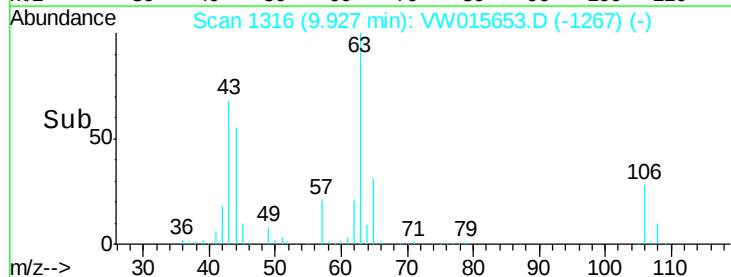
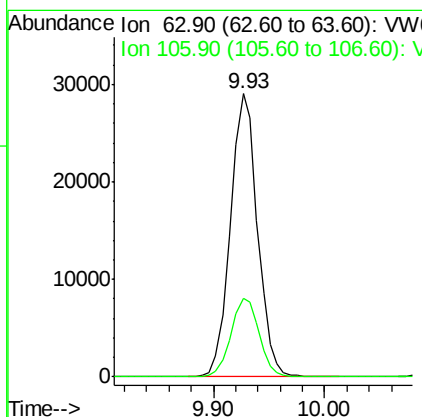
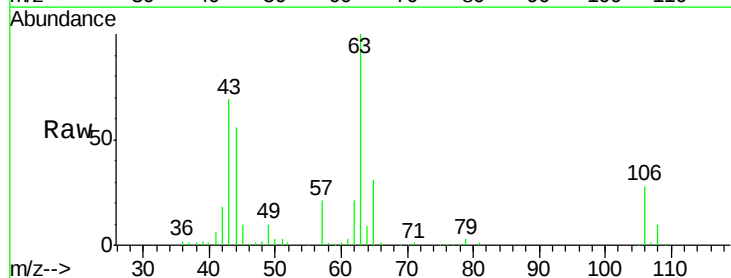
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

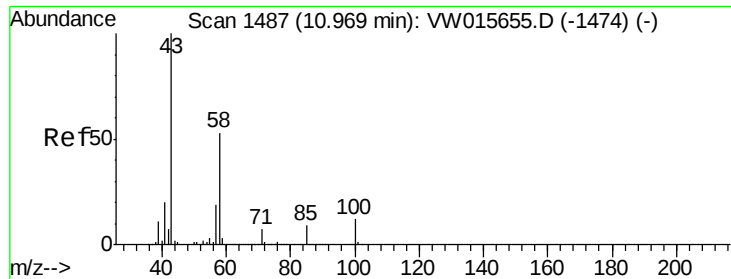
Tgt Ion: 76 Resp: 29159
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 53.554 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Tgt Ion: 63 Resp: 48705
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.3 34.9

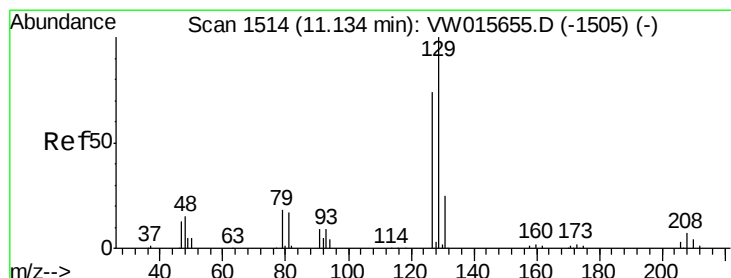
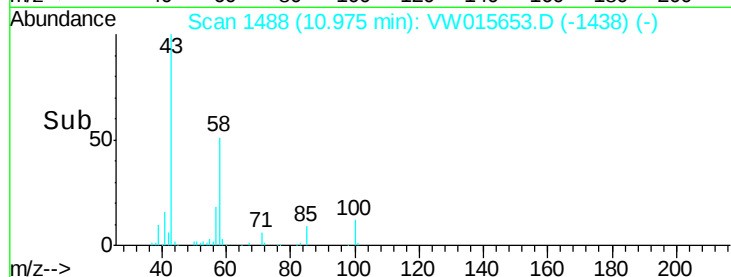
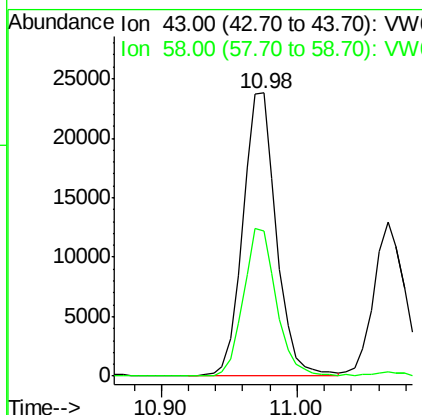
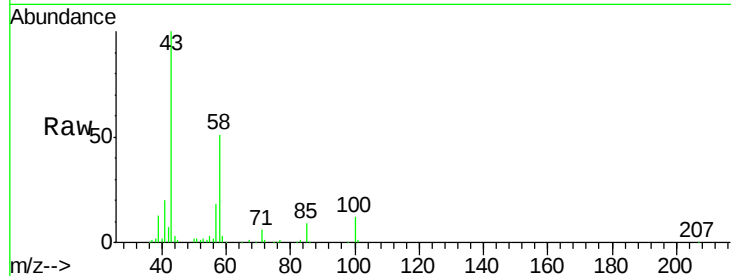




#59
2-Hexanone
Concen: 52.419 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

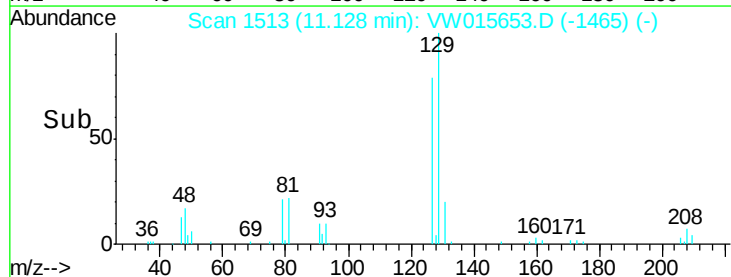
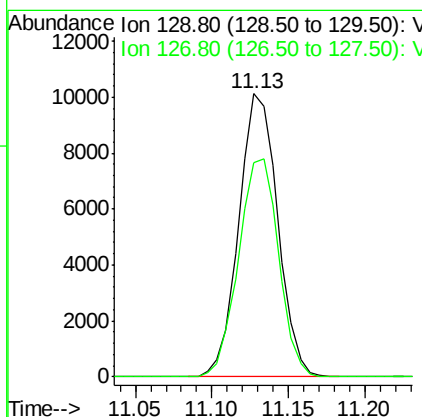
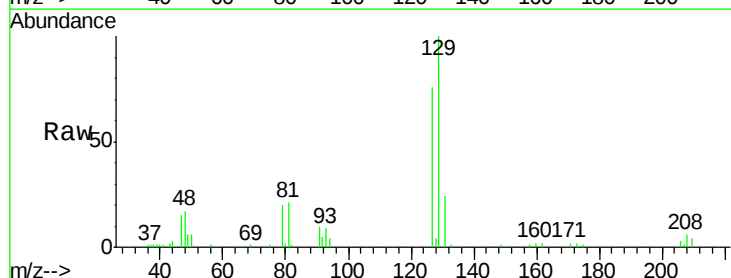
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

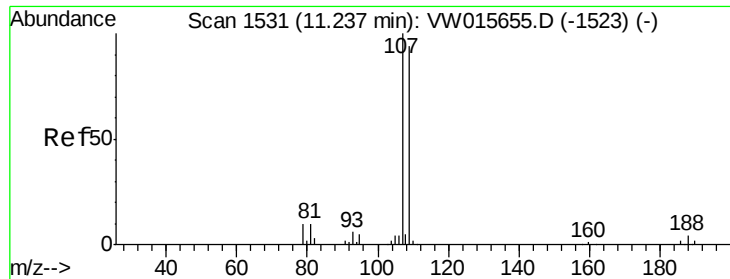
Tgt Ion: 43 Resp: 40842
Ion Ratio Lower Upper
43 100
58 51.4 26.5 79.4



#60
Dibromochloromethane
Concen: 9.984 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion: 129 Resp: 17902
Ion Ratio Lower Upper
129 100
127 79.1 38.0 114.1





#61

1,2-Dibromoethane

Concen: 10.812 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

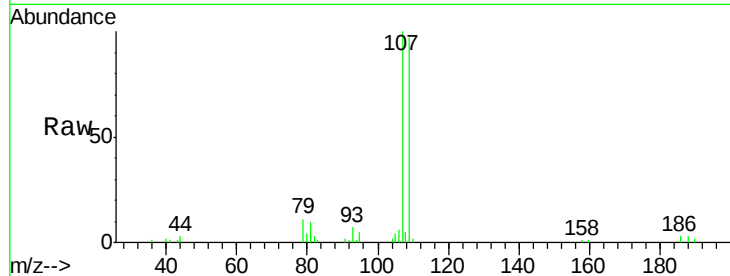
VSTDIC010

Tgt Ion: 107 Resp: 15230

Ion Ratio Lower Upper

107 100

109 94.8 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

8000

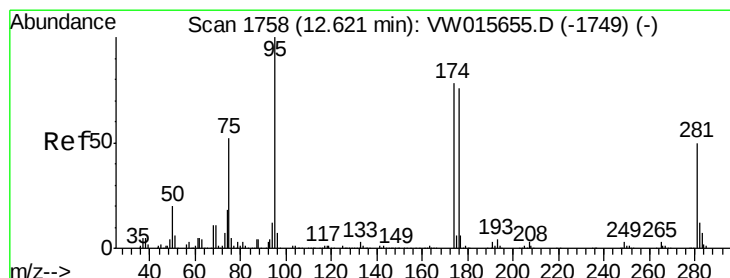
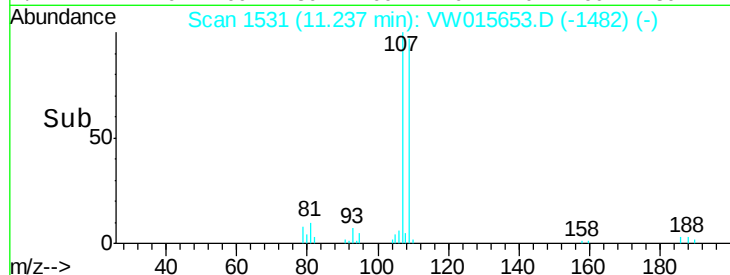
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 10.867 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

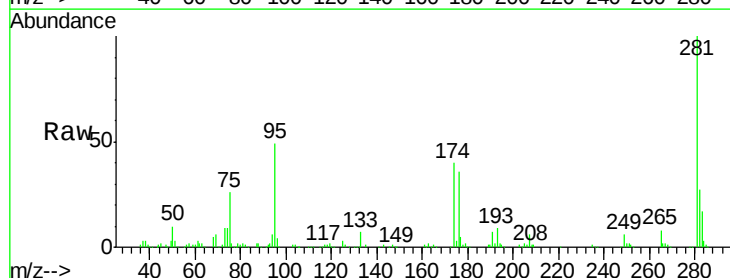
Tgt Ion: 95 Resp: 29514

Ion Ratio Lower Upper

95 100

174 79.3 0.0 157.0

176 75.4 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

25000

20000

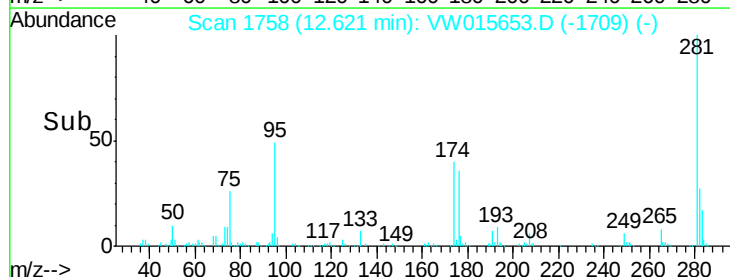
15000

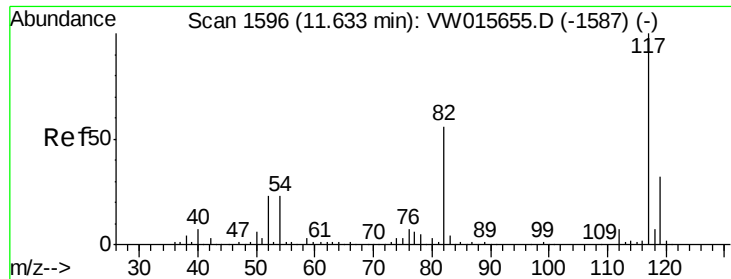
10000

5000

0

Time-->

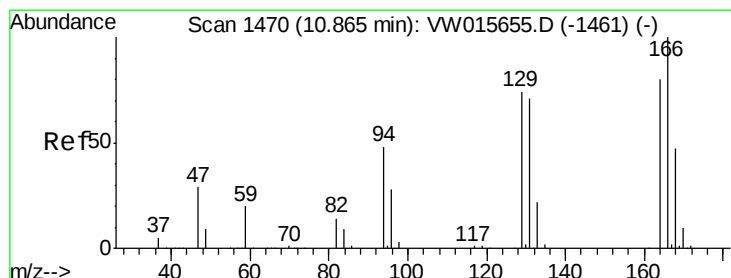
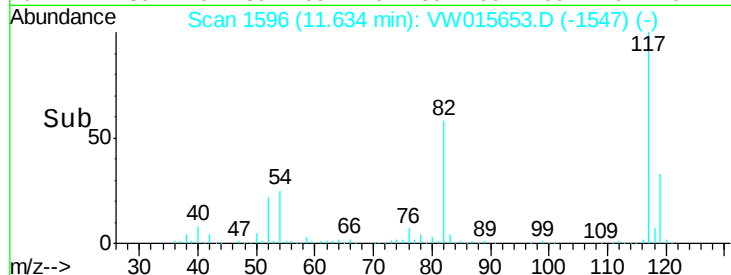
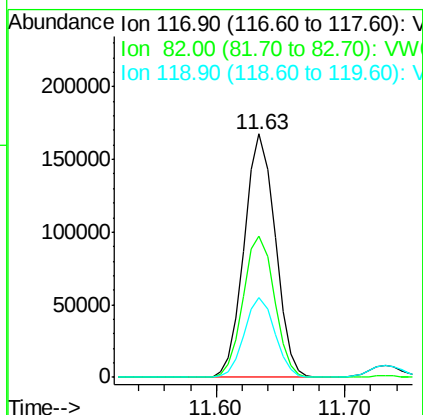
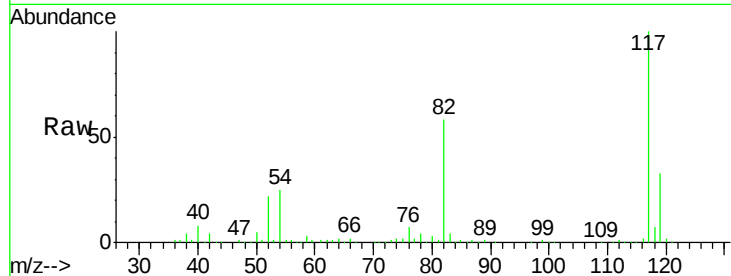




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

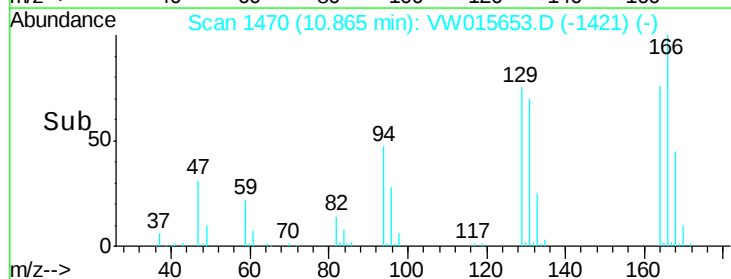
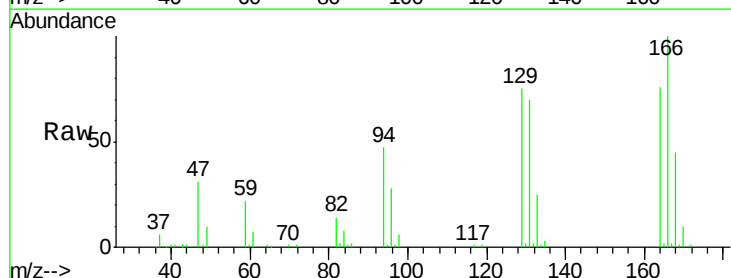
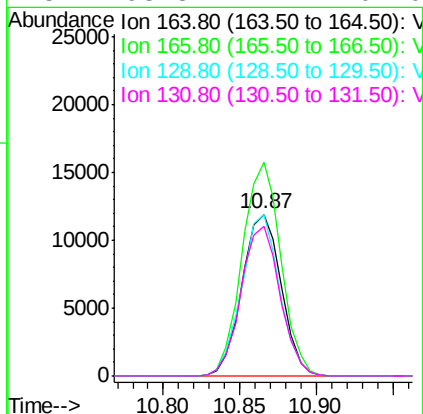
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

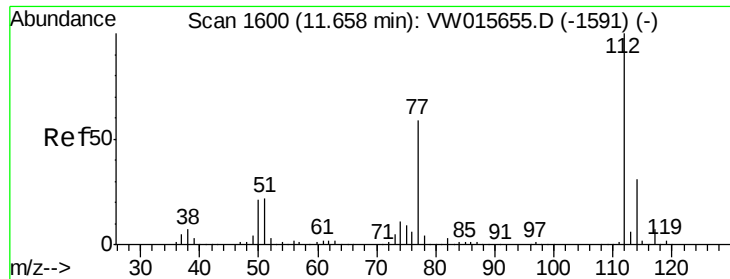
Tgt Ion:117 Resp: 279239
Ion Ratio Lower Upper
117 100
82 58.0 45.1 67.7
119 33.0 25.8 38.8



#64
Tetrachloroethene
Concen: 11.110 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion:164 Resp: 21153
Ion Ratio Lower Upper
164 100
166 132.4 99.9 149.9
129 99.9 74.2 111.2
131 93.3 71.4 107.0

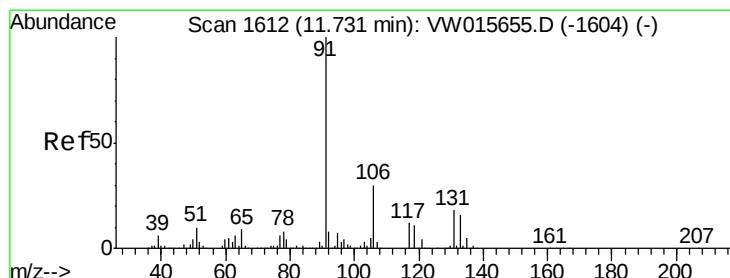
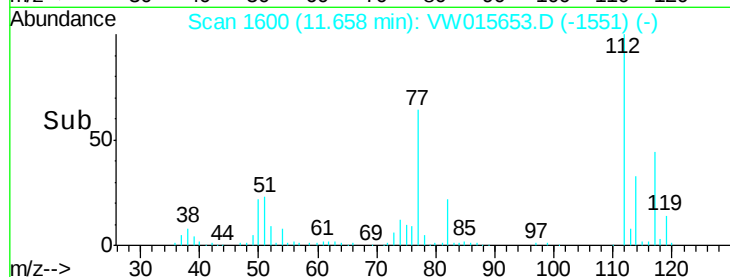
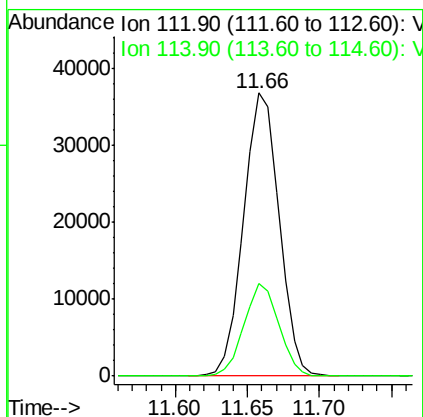
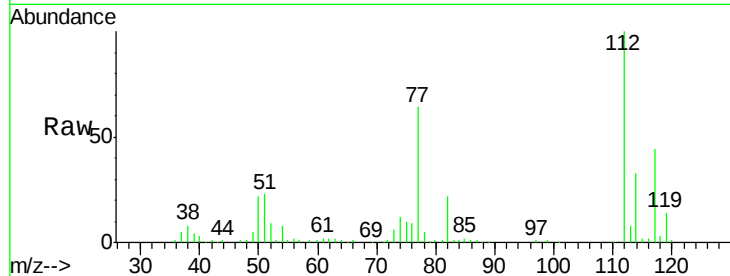




#65
Chlorobenzene
Concen: 10.992 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

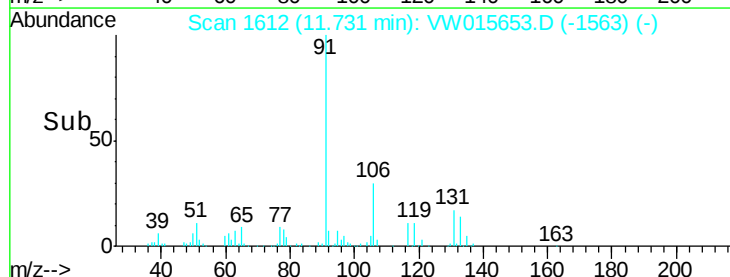
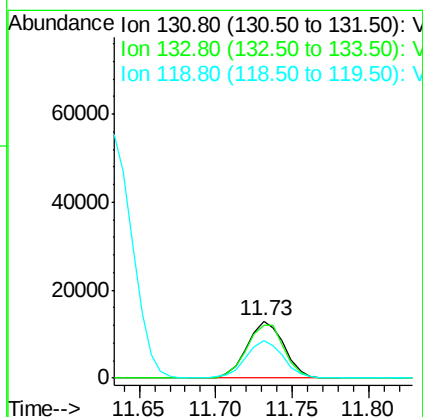
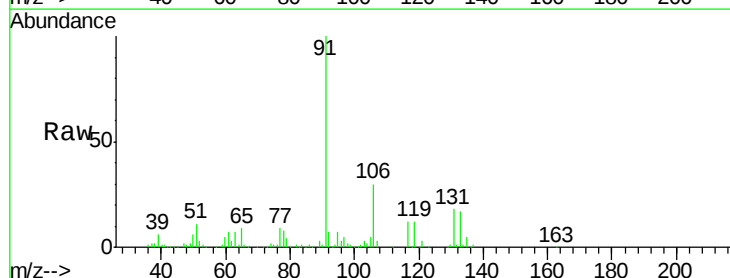
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

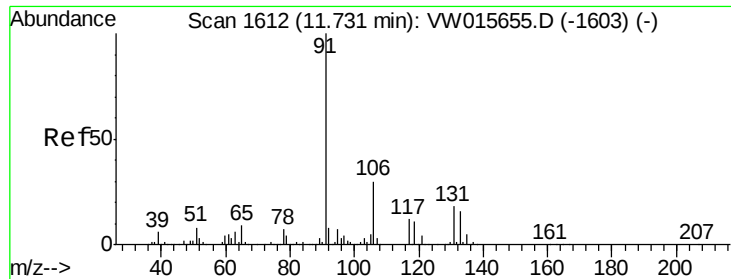
Tgt Ion:112 Resp: 63026
Ion Ratio Lower Upper
112 100
114 32.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 10.720 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion:131 Resp: 21918
Ion Ratio Lower Upper
131 100
133 95.8 46.5 139.5
119 66.6 32.5 97.5

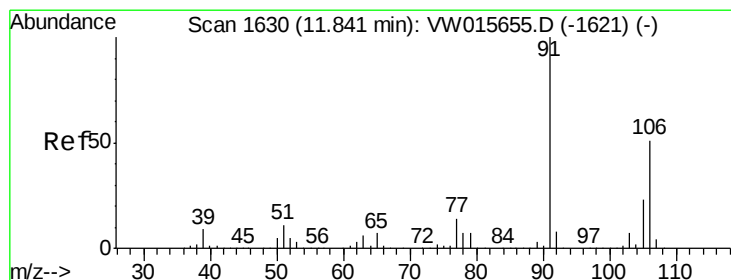
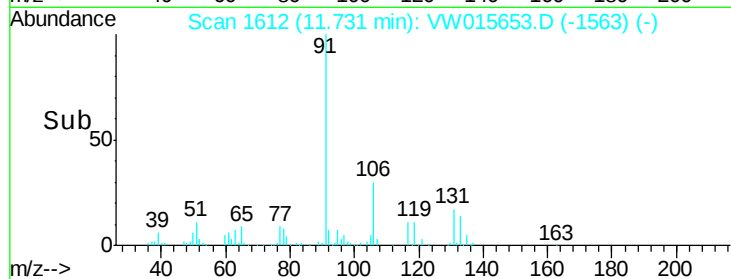
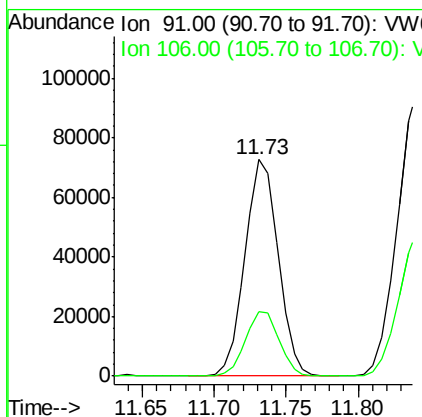
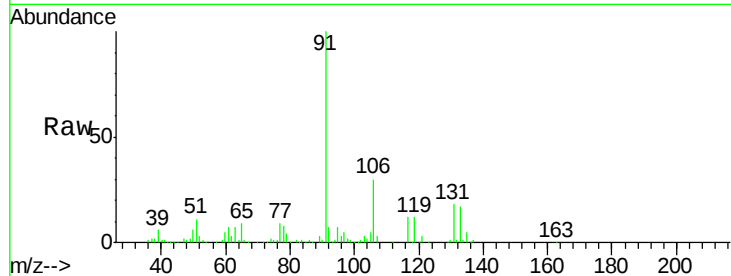




#67
Ethyl Benzene
Concen: 10.796 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

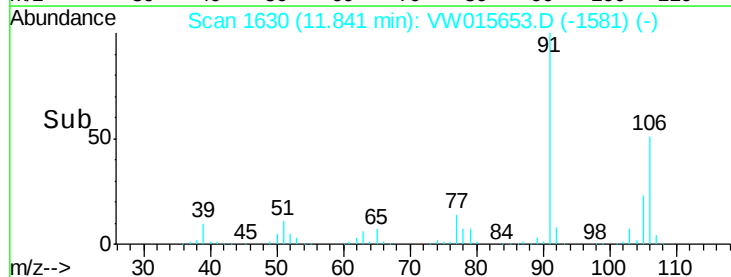
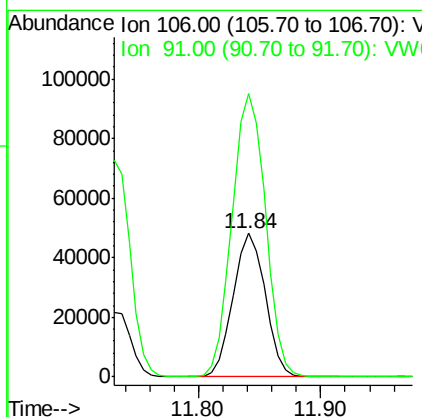
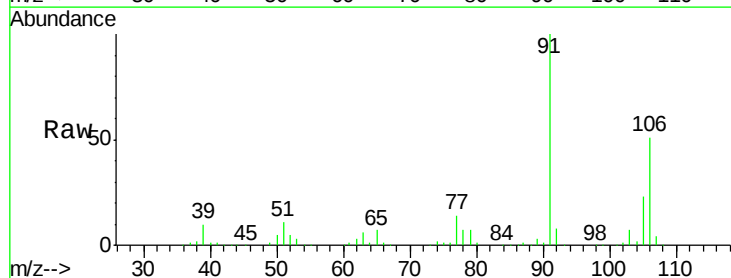
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 116572
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1



#68
m/p-Xylenes
Concen: 21.841 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion: 106 Resp: 88053
Ion Ratio Lower Upper
106 100
91 204.7 162.6 244.0

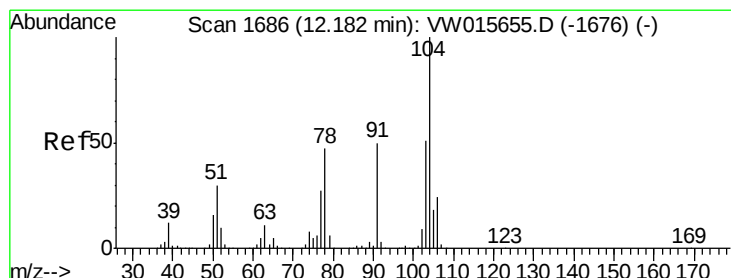
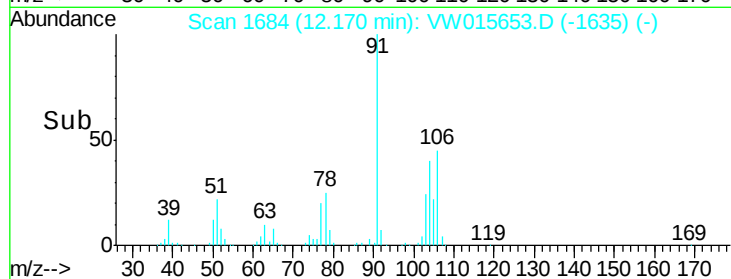
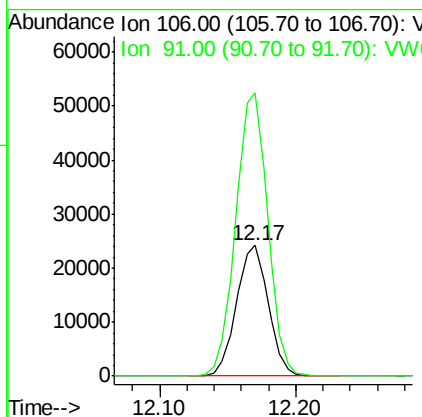
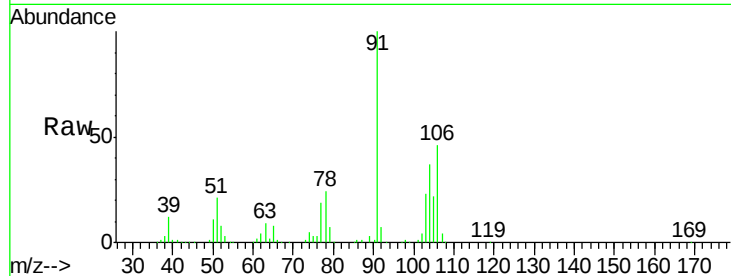




#69
o-Xylene
Concen: 10.545 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

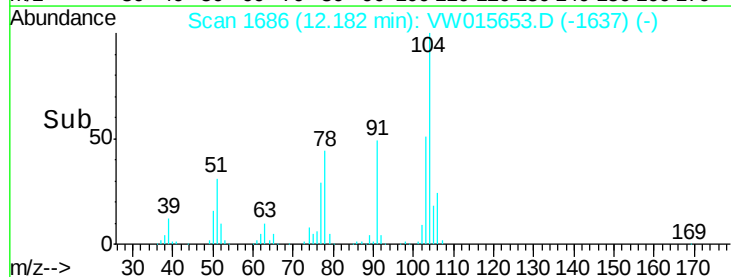
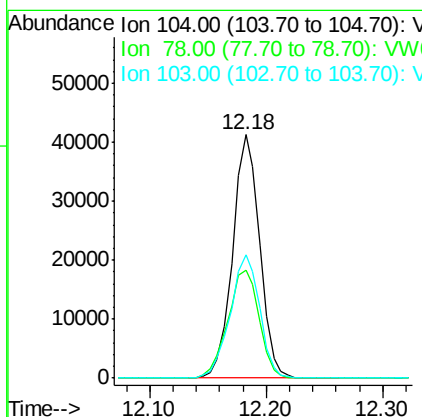
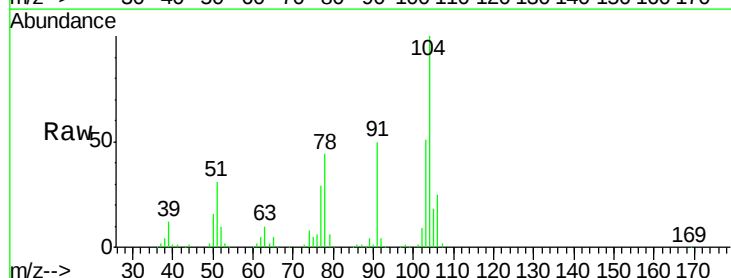
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

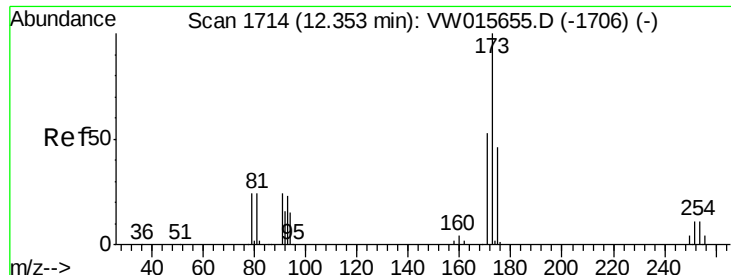
Tgt Ion:106 Resp: 39465
Ion Ratio Lower Upper
106 100
91 217.8 108.3 324.9



#70
Styrene
Concen: 10.433 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion:104 Resp: 66690
Ion Ratio Lower Upper
104 100
78 51.8 40.9 61.3
103 55.4 43.1 64.7

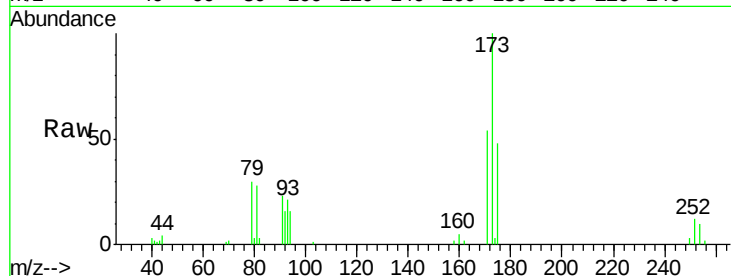




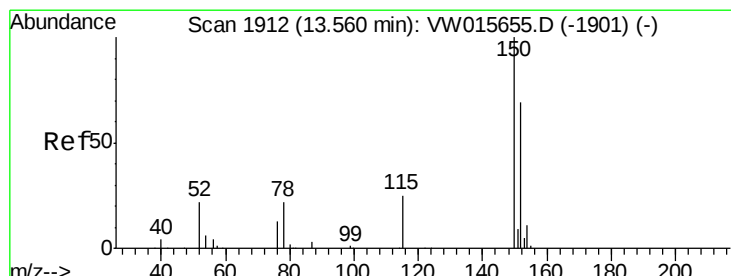
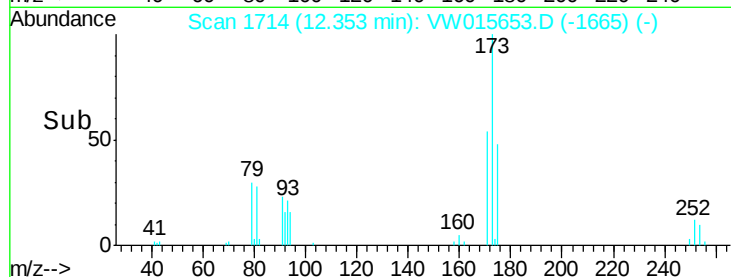
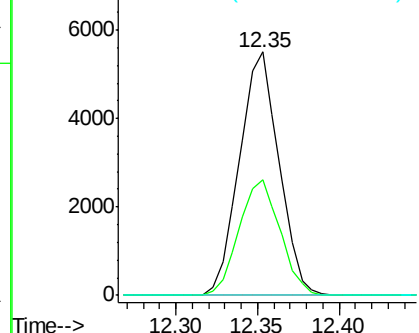
#71
Bromoform
Concen: 9.647 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:173 Resp: 9318
Ion Ratio Lower Upper
173 100
175 49.3 23.5 70.6
254 0.0 0.1 0.1#

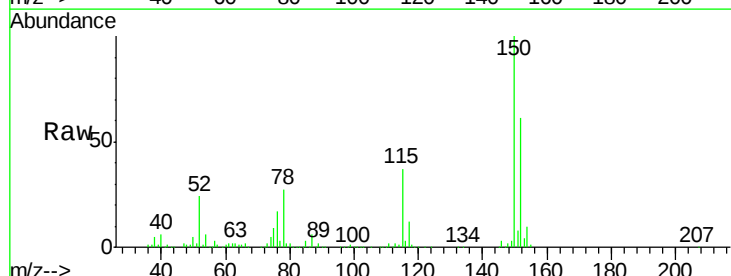


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

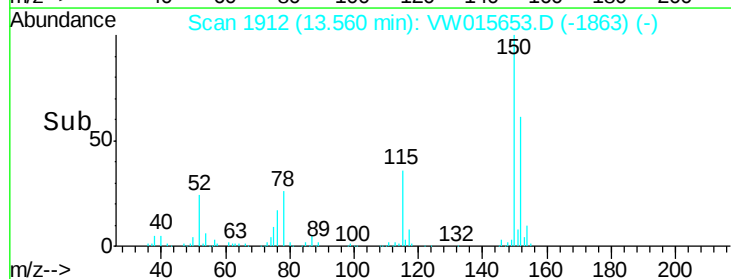
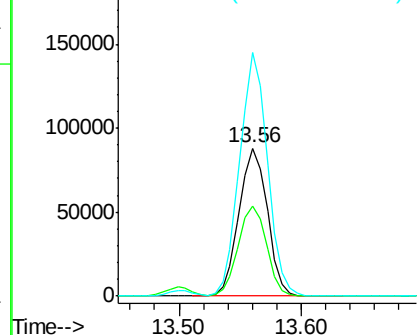


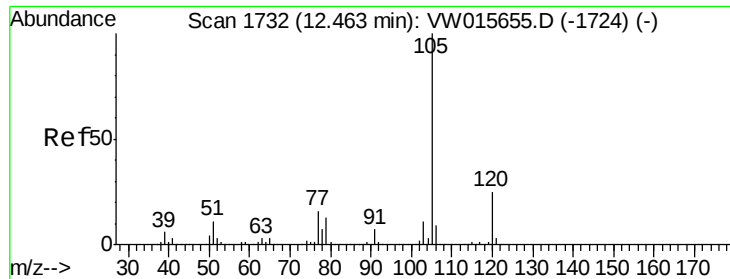
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion:152 Resp: 141152
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.5
150 162.1 0.0 345.6



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: 10.323 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

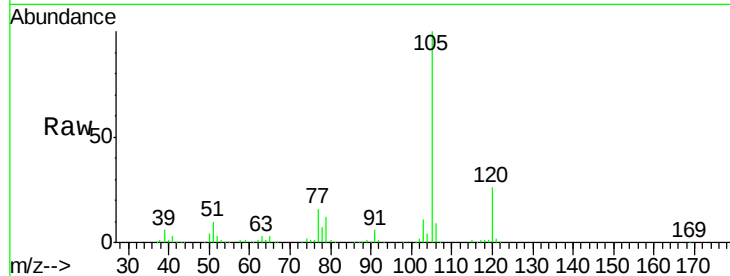
VSTDIC010

Tgt Ion:105 Resp: 111684

Ion Ratio Lower Upper

105 100

120 26.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

80000

60000

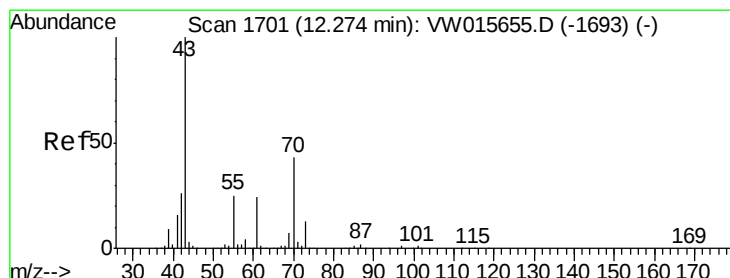
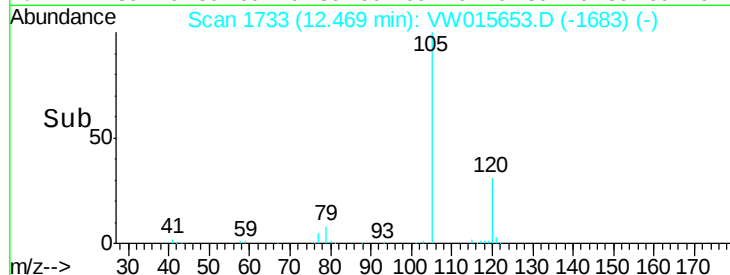
40000

20000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 10.079 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Tgt Ion: 43 Resp: 22891

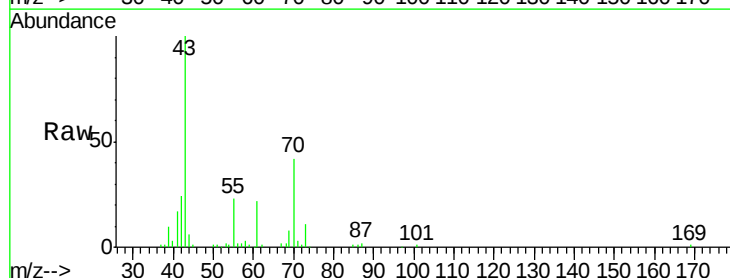
Ion Ratio Lower Upper

43 100

70 41.8 33.6 50.4

55 24.3 19.7 29.5

61 23.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

20000

15000

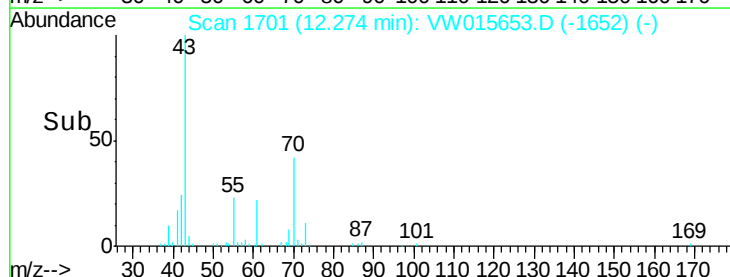
10000

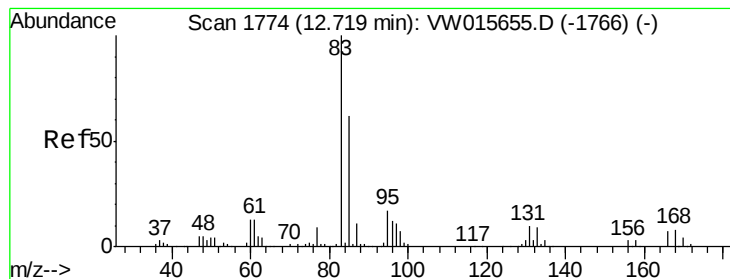
5000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 11.224 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

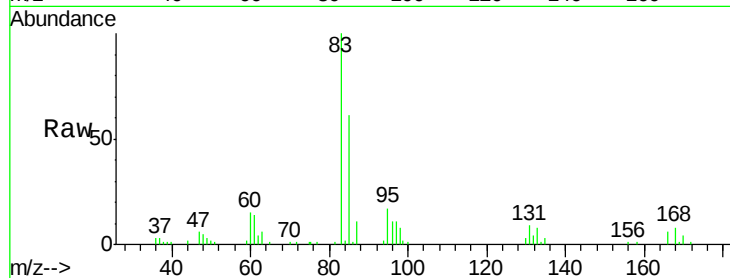
Tgt Ion: 83 Resp: 18442

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.4

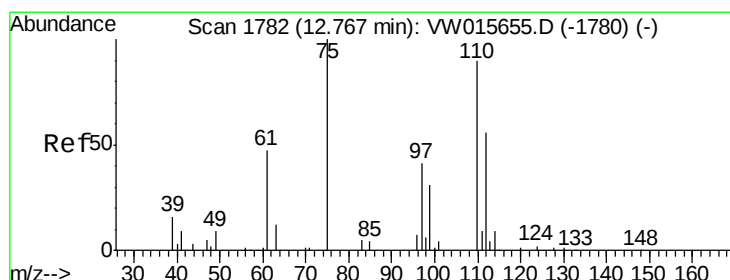
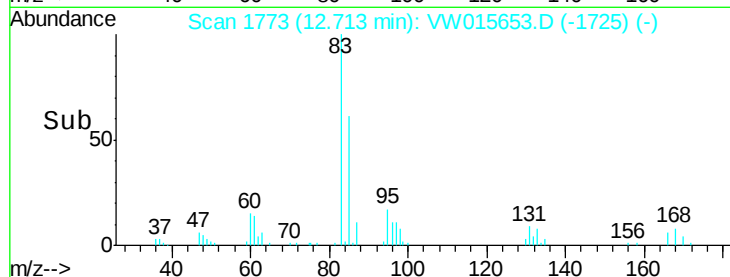
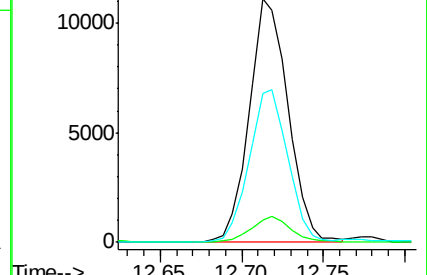
85 62.4 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 19.710 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015653.D

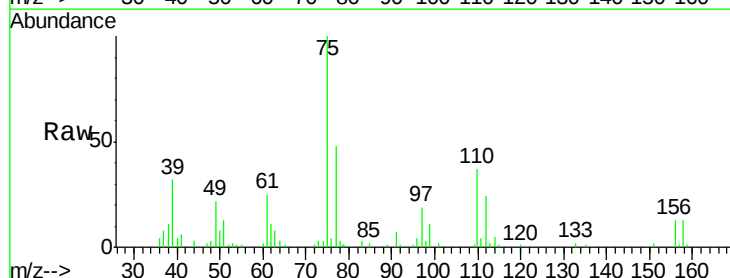
Acq: 23 Jun 2020 11:16

Tgt Ion: 75 Resp: 23422

Ion Ratio Lower Upper

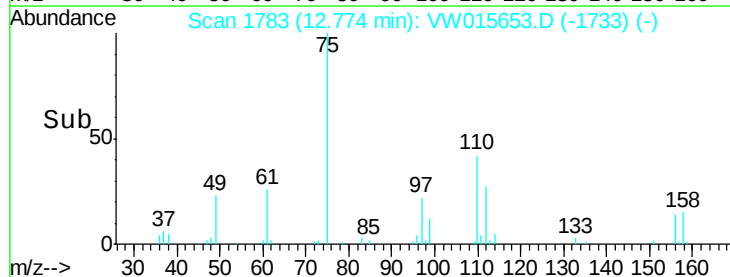
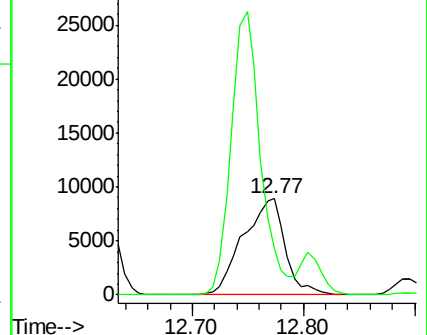
75 100

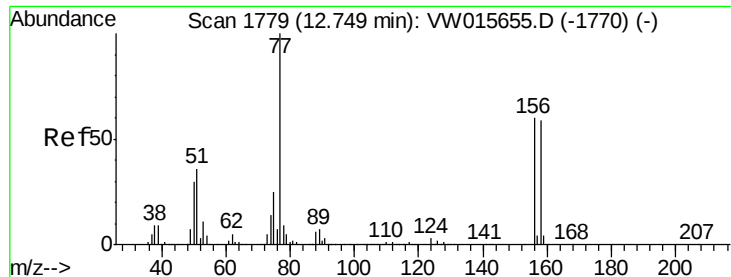
77 0.0 179.1 537.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.745 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

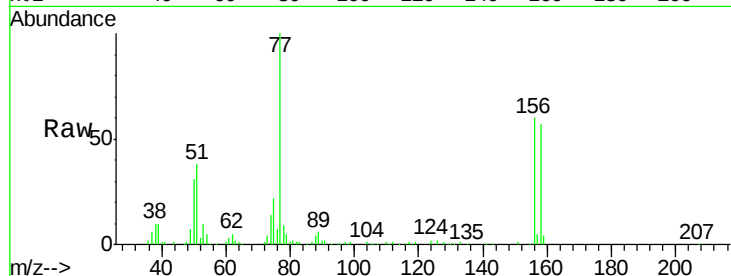
Tgt Ion:156 Resp: 25090

Ion Ratio Lower Upper

156 100

77 193.3 94.5 283.5

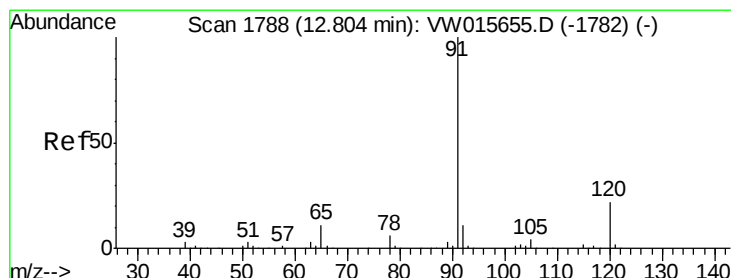
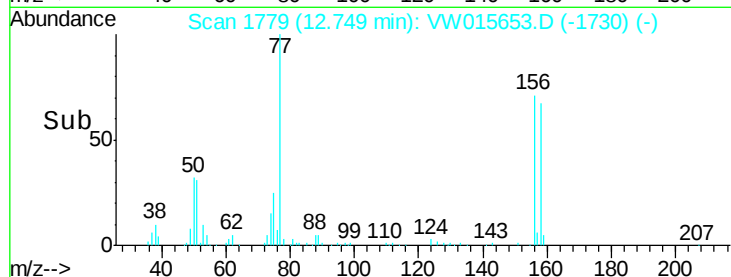
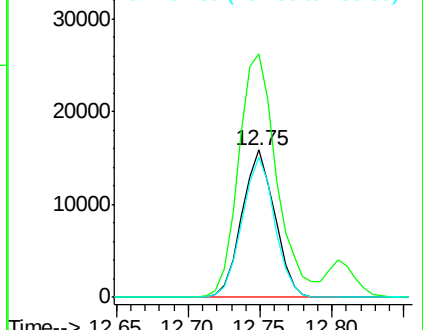
158 94.3 47.9 143.6



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: 10.387 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015653.D

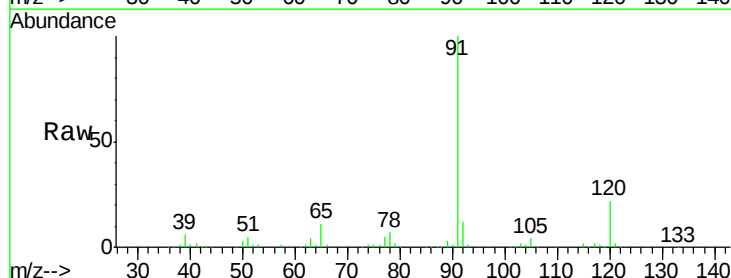
Acq: 23 Jun 2020 11:16

Tgt Ion: 91 Resp: 134628

Ion Ratio Lower Upper

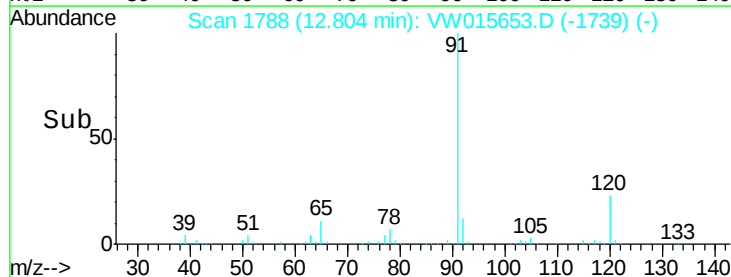
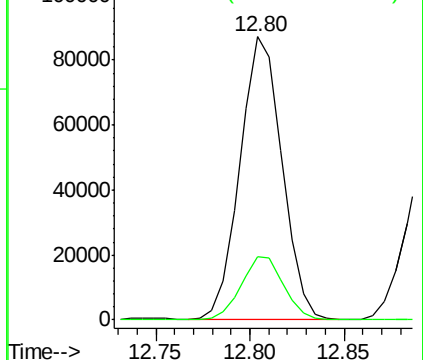
91 100

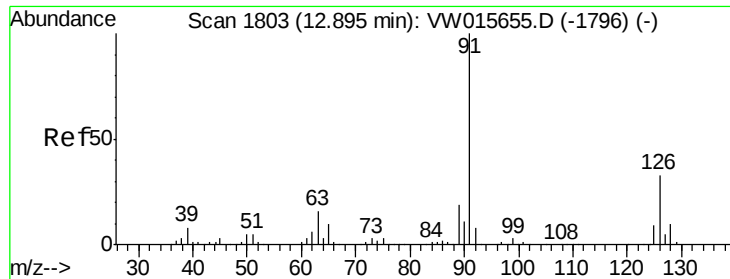
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.544 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

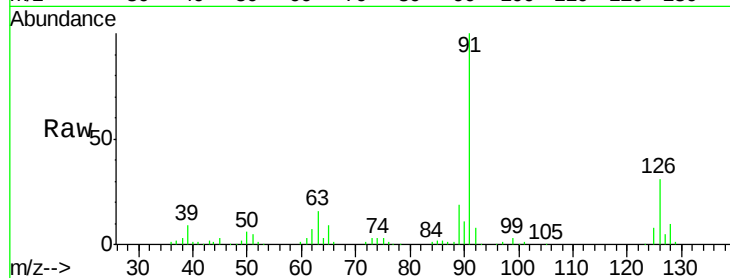
VSTDIC010

Tgt Ion: 91 Resp: 77150

Ion Ratio Lower Upper

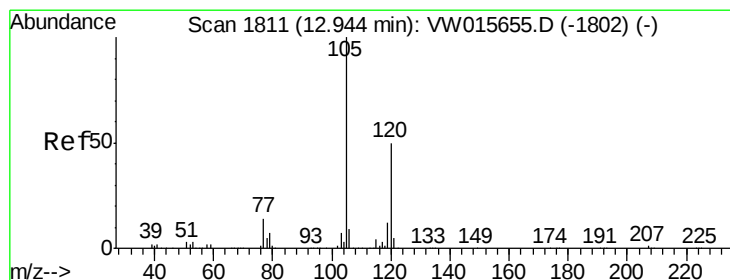
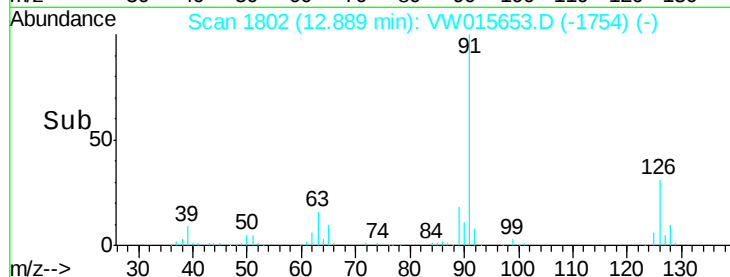
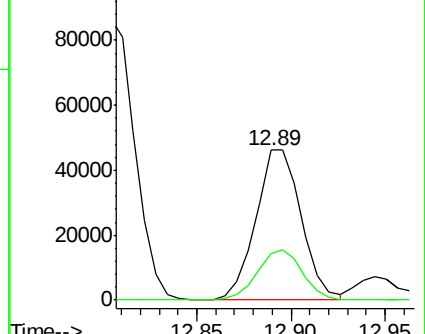
91 100

126 33.4 16.6 49.8



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: 10.548 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015653.D

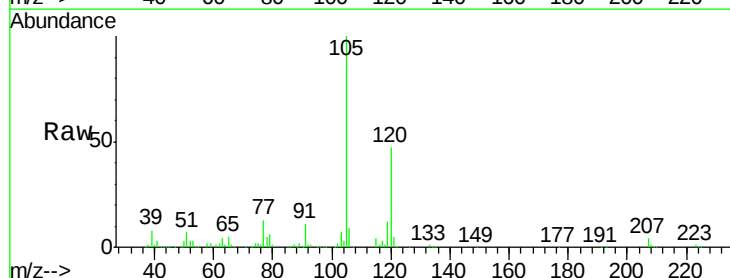
Acq: 23 Jun 2020 11:16

Tgt Ion: 105 Resp: 96413

Ion Ratio Lower Upper

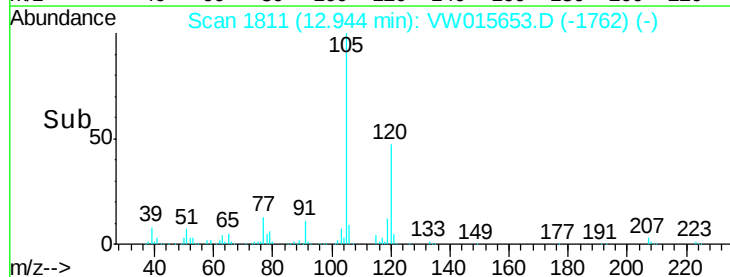
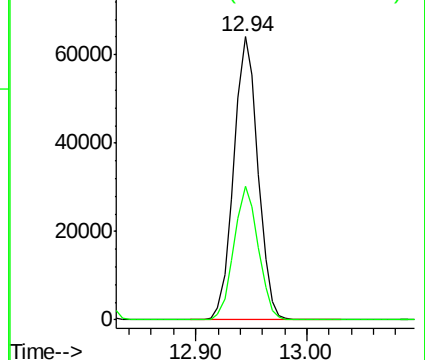
105 100

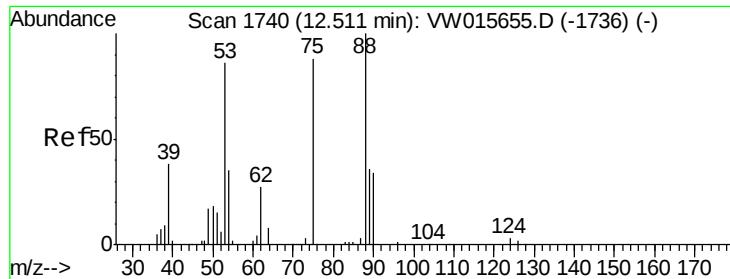
120 47.5 24.4 73.2



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: 8.743 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

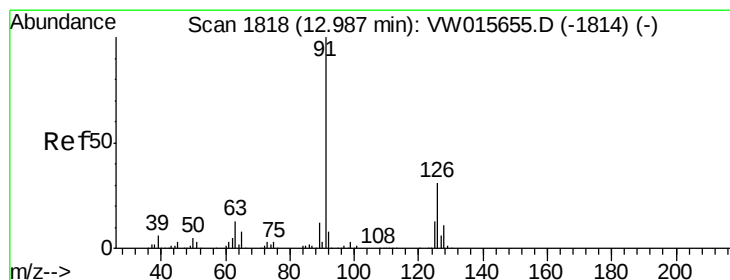
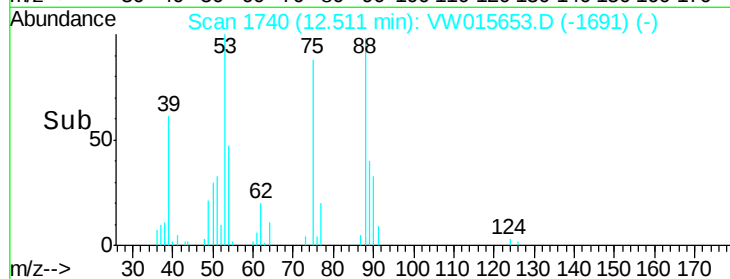
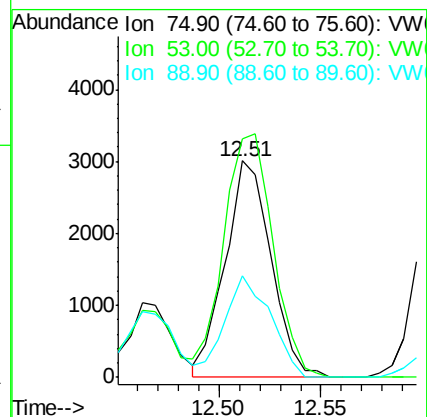
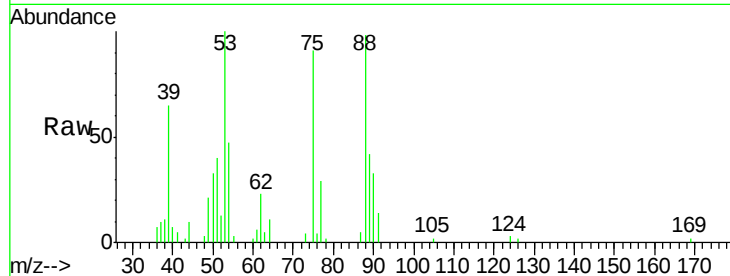
Tgt Ion: 75 Resp: 4694

Ion Ratio Lower Upper

75 100

53 120.7 83.8 125.8

89 46.9 36.6 55.0



#82

4-Chlorotoluene

Concen: 10.802 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW015653.D

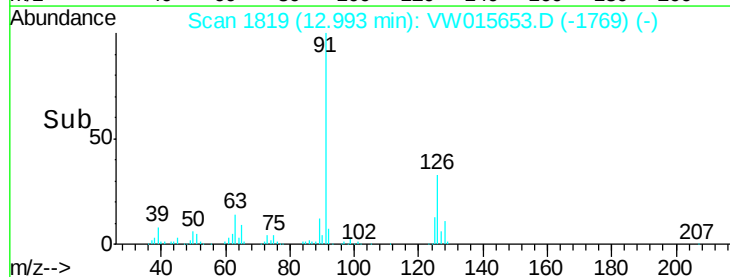
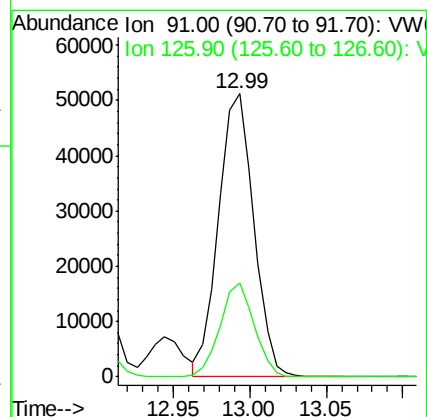
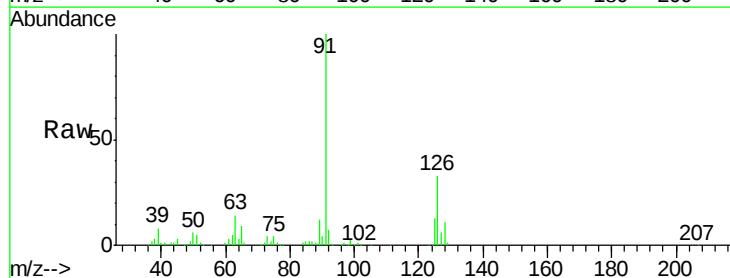
Acq: 23 Jun 2020 11:16

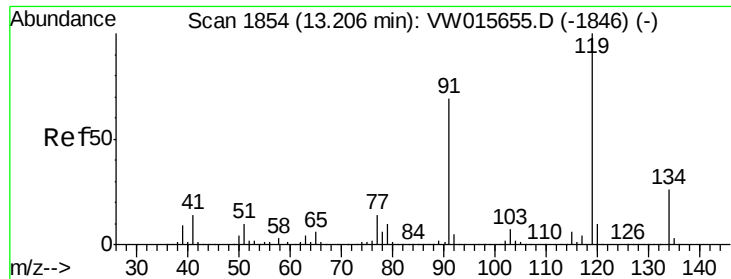
Tgt Ion: 91 Resp: 81927

Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.9

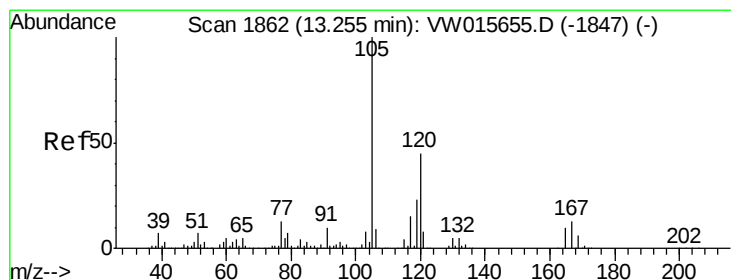
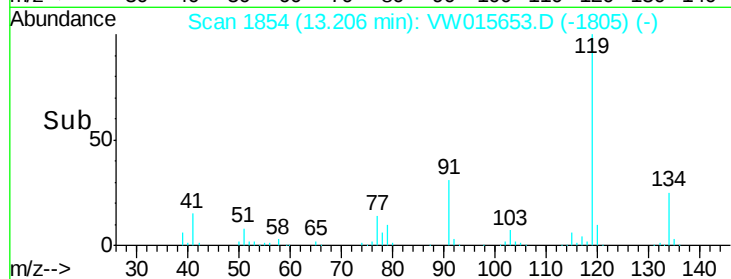
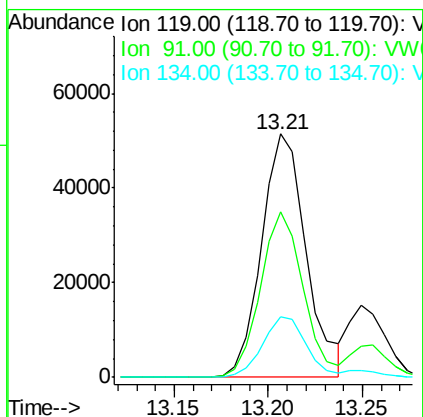
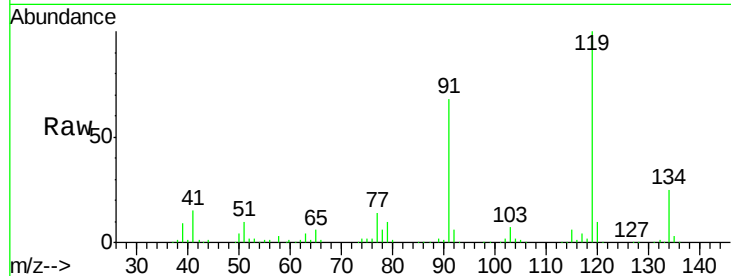




#83
tert-Butylbenzene
Concen: 10.887 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

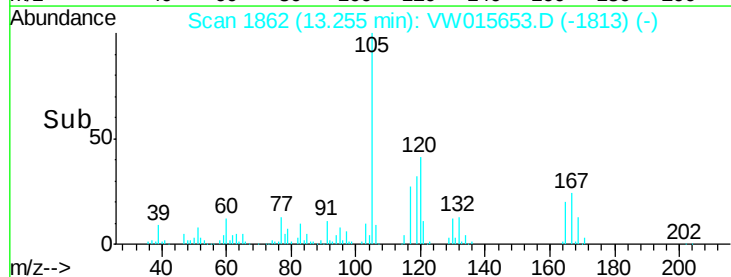
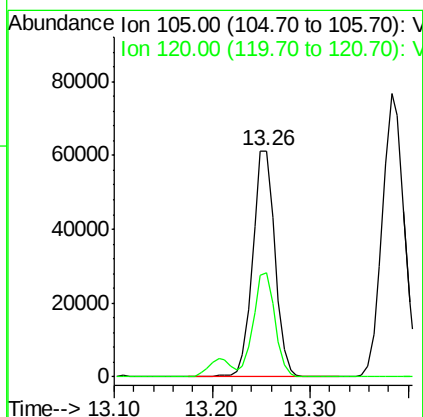
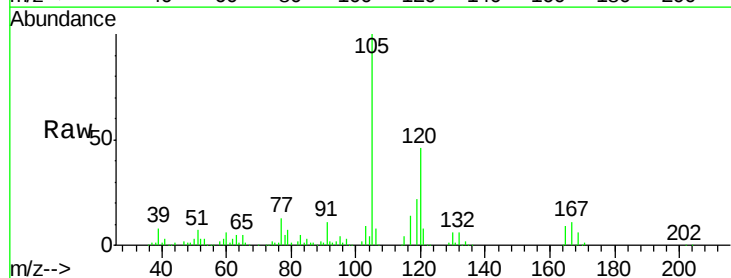
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

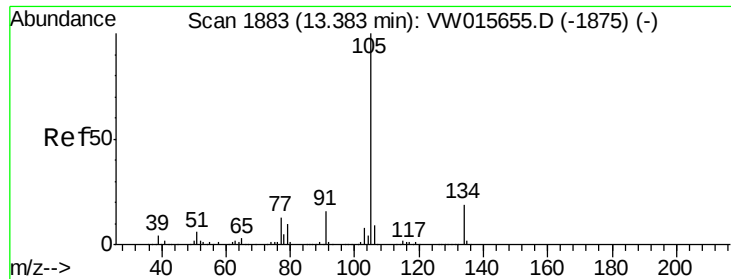
Tgt Ion:119 Resp: 84546
Ion Ratio Lower Upper
119 100
91 65.1 34.7 104.1
134 24.2 13.8 41.4



#84
1,2,4-Trimethylbenzene
Concen: 10.638 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion:105 Resp: 96981
Ion Ratio Lower Upper
105 100
120 44.8 22.8 68.3





#85

sec-Butylbenzene

Concen: 10.698 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

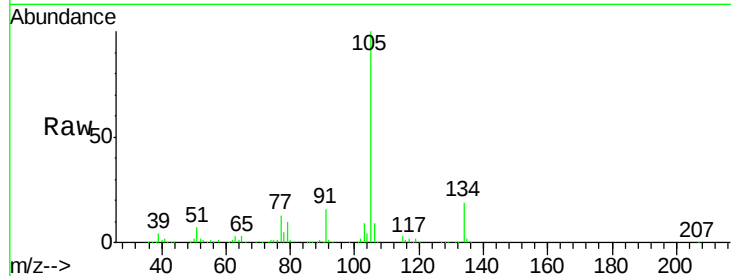
VSTDIC010

Tgt Ion:105 Resp: 118010

Ion Ratio Lower Upper

105 100

134 20.0 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

80000

60000

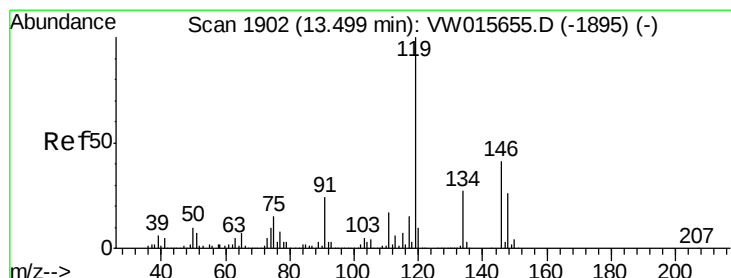
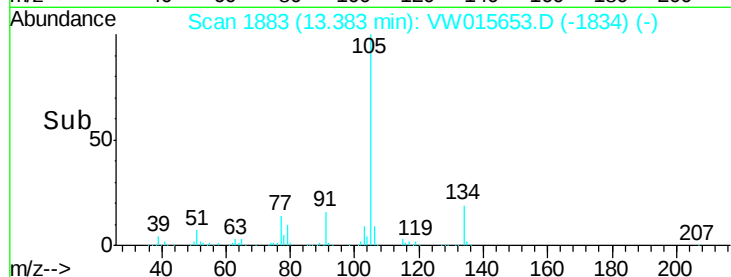
40000

20000

0

13.30 13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 10.664 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

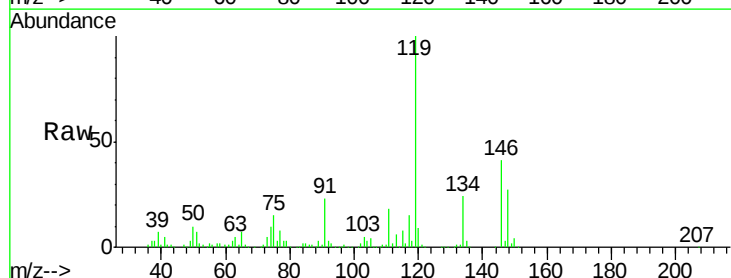
Tgt Ion:119 Resp: 107311

Ion Ratio Lower Upper

119 100

134 25.0 13.5 40.4

91 24.2 12.3 36.8



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

100000

80000

60000

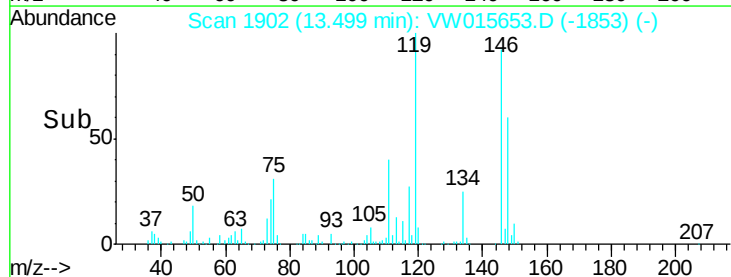
40000

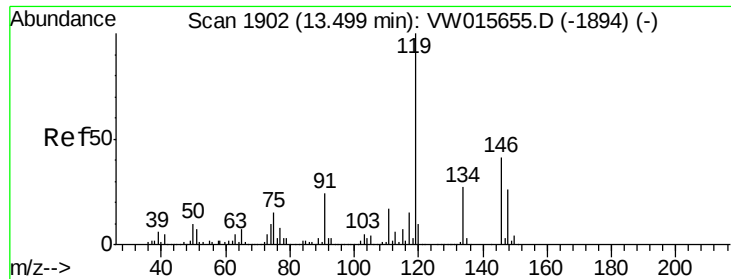
20000

0

13.45 13.50 13.55

Time-->

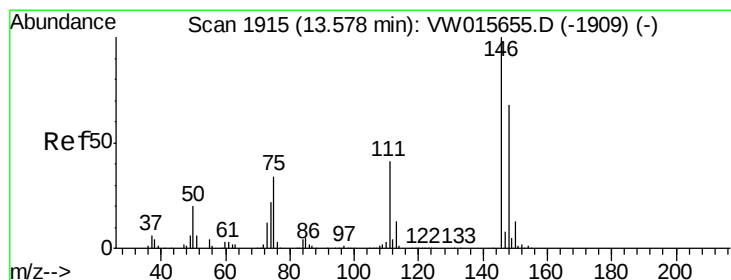
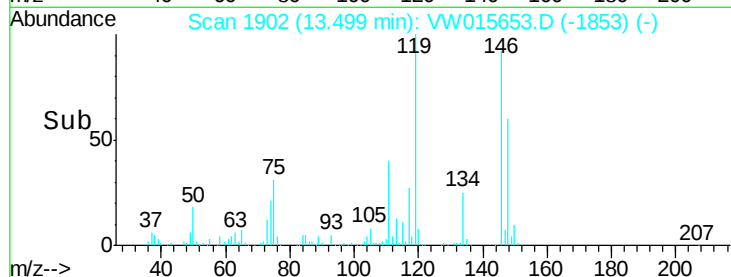
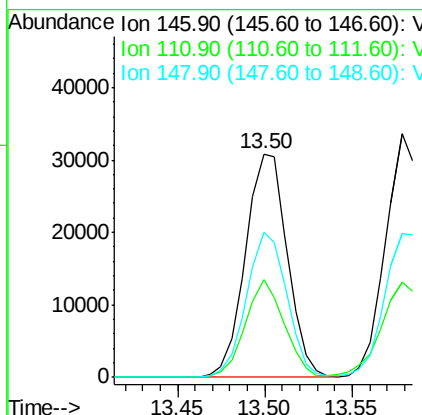
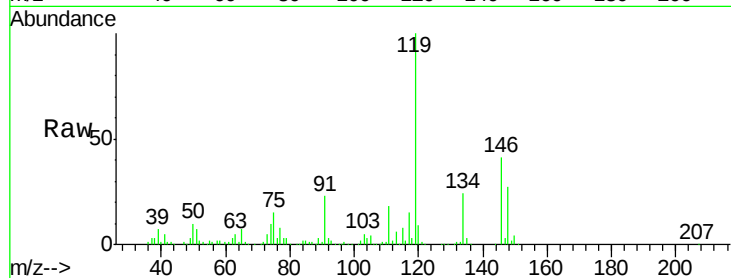




#87
 1,3-Dichlorobenzene
 Concen: 11.051 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

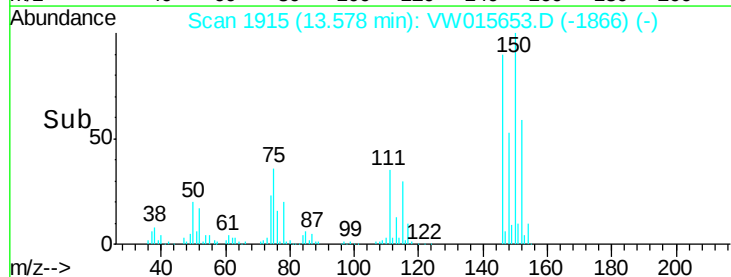
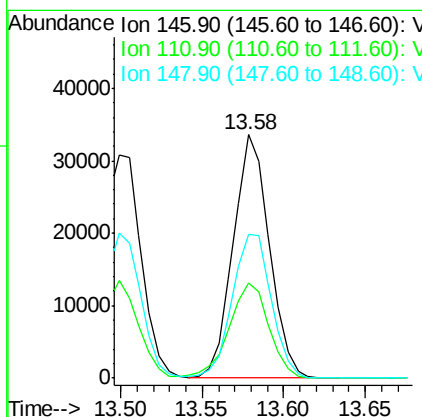
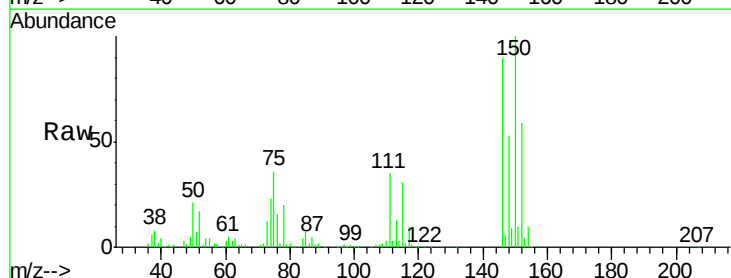
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

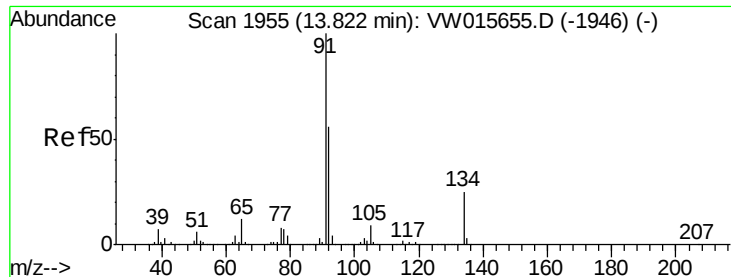
Tgt Ion:146 Resp: 51300
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.8
 148 62.9 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 11.328 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Tgt Ion:146 Resp: 51956
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.3 60.9
 148 63.6 33.7 101.1





#89

n-Butylbenzene

Concen: 10.366 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

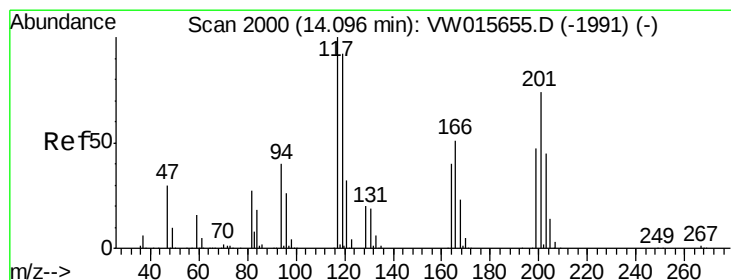
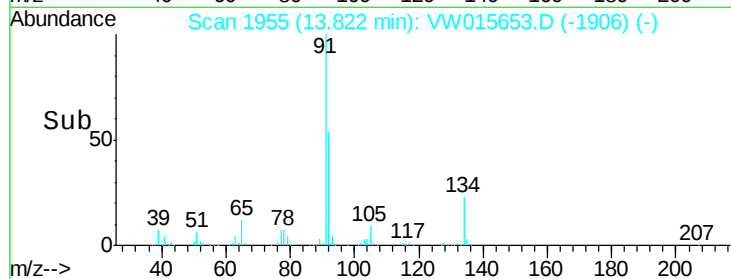
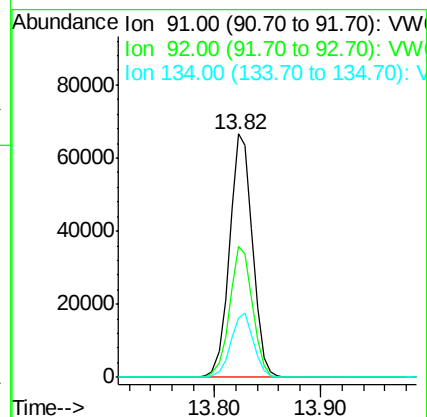
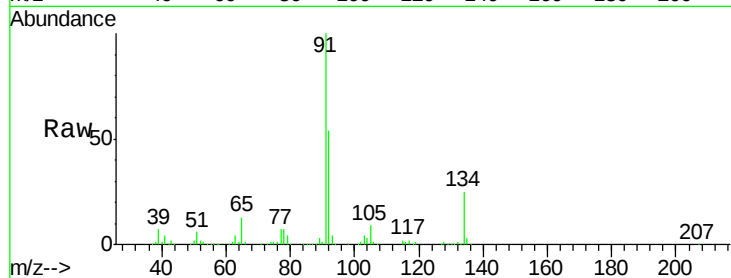
Tgt Ion: 91 Resp: 100488

Ion Ratio Lower Upper

91 100

92 53.3 27.5 82.4

134 25.9 13.0 38.9



#90

Hexachloroethane

Concen: 9.945 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW015653.D

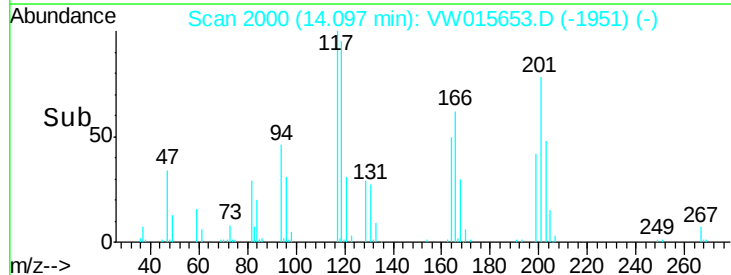
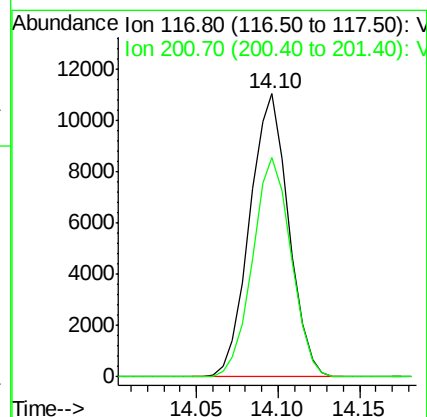
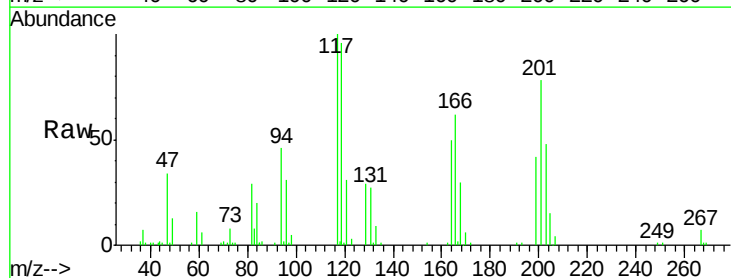
Acq: 23 Jun 2020 11:16

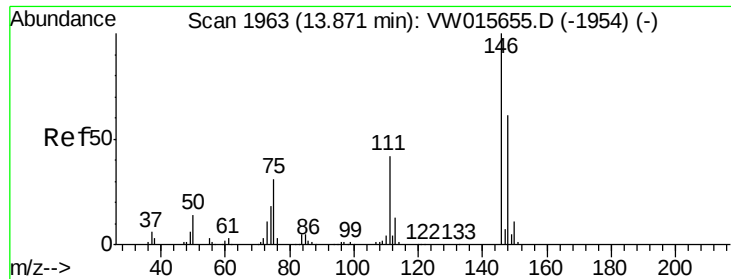
Tgt Ion: 117 Resp: 18338

Ion Ratio Lower Upper

117 100

201 76.5 37.1 111.5

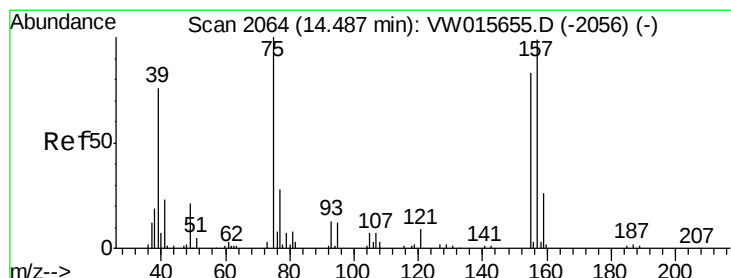
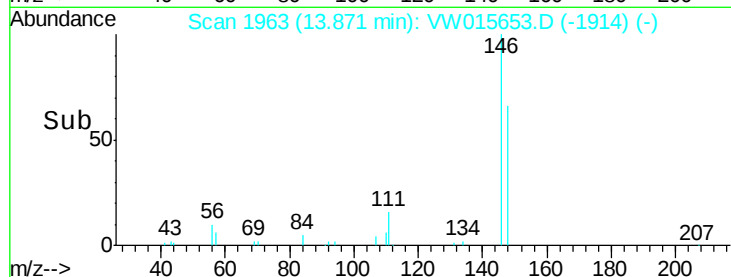
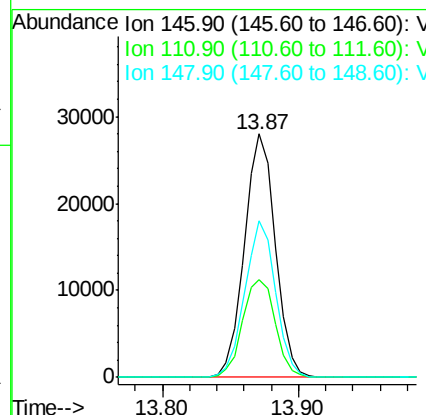
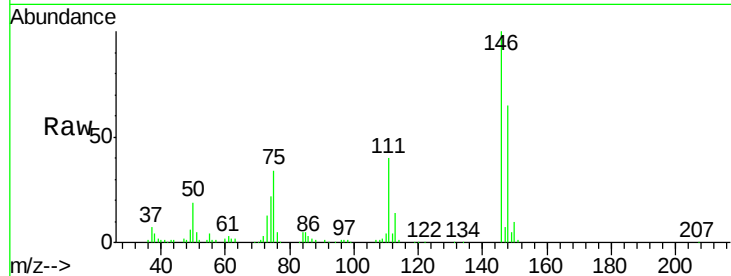




#91
 1,2-Dichlorobenzene
 Concen: 11.031 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

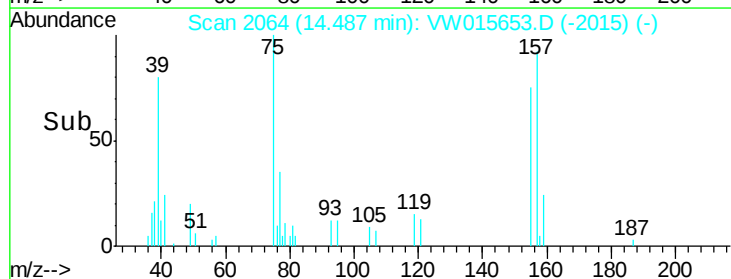
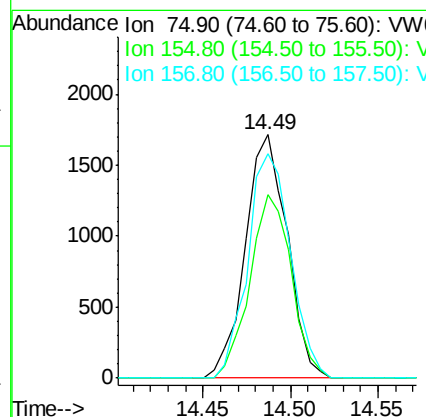
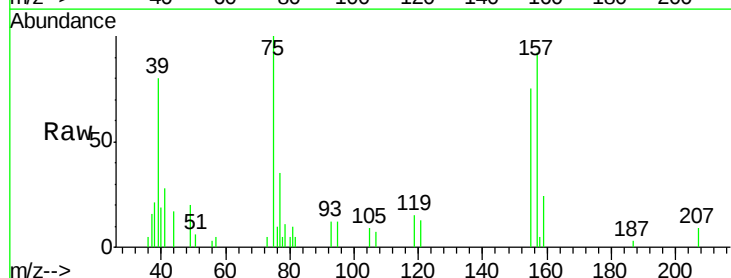
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

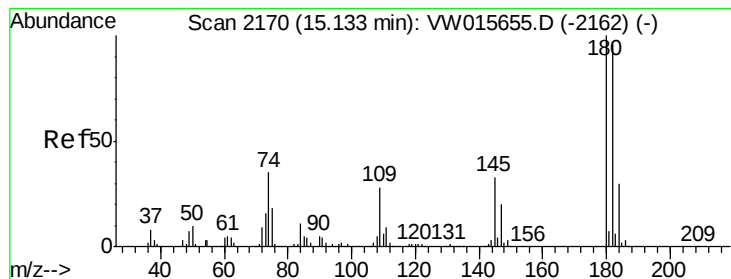
Tgt Ion: 146 Resp: 44476
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.3 63.7
 148 64.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.251 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015653.D
 Acq: 23 Jun 2020 11:16

Tgt Ion: 75 Resp: 2873
 Ion Ratio Lower Upper
 75 100
 155 74.3 40.8 122.2
 157 94.2 50.7 152.1





#93

1,2,4-Trichlorobenzene

Concen: 9.958 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

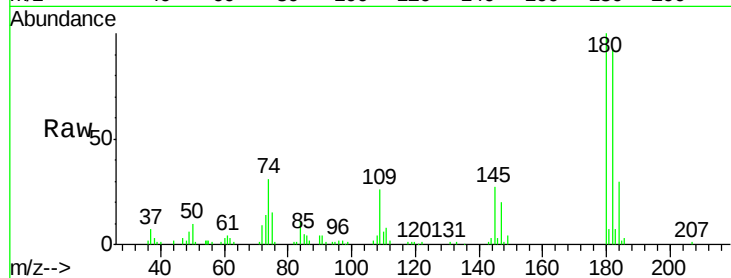
Tgt Ion:180 Resp: 27658

Ion Ratio Lower Upper

180 100

182 98.2 47.9 143.6

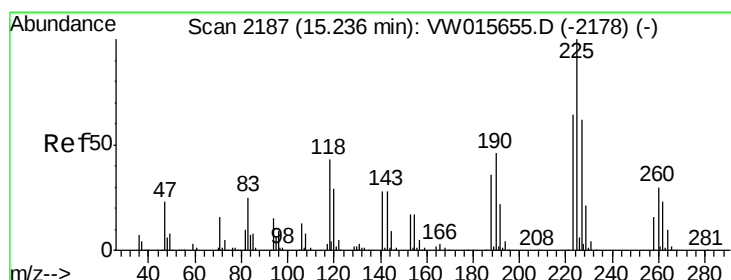
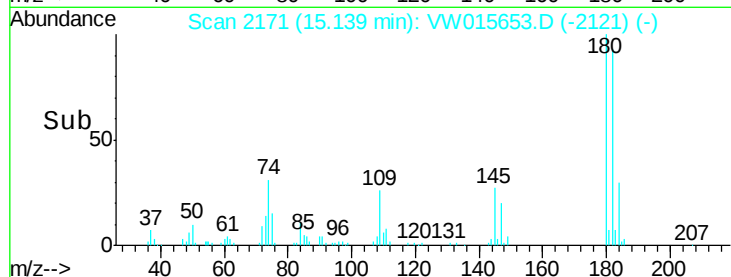
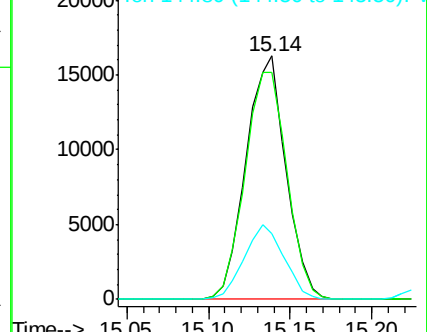
145 30.6 15.6 46.7



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: 10.992 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VW015653.D

Acq: 23 Jun 2020 11:16

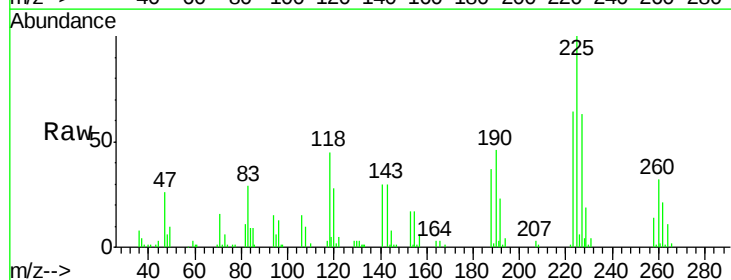
Tgt Ion:225 Resp: 18800

Ion Ratio Lower Upper

225 100

223 60.7 31.0 93.0

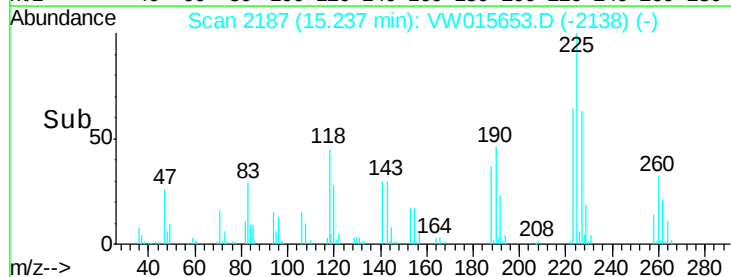
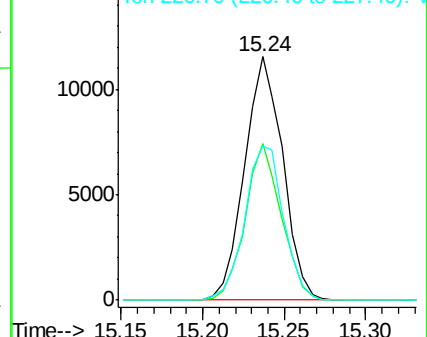
227 64.1 31.9 95.9



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

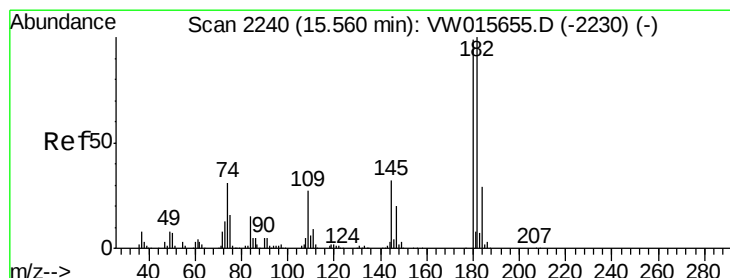
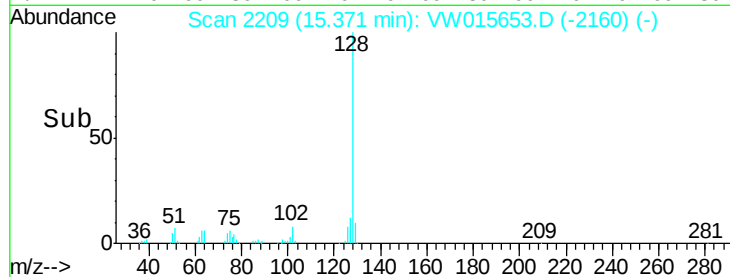
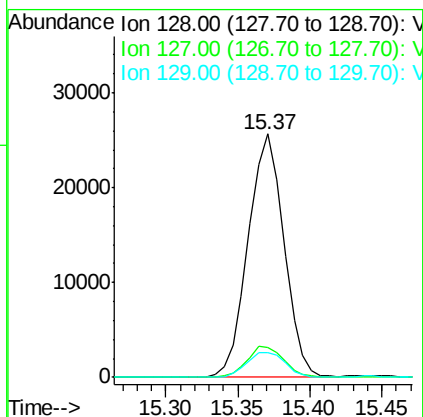
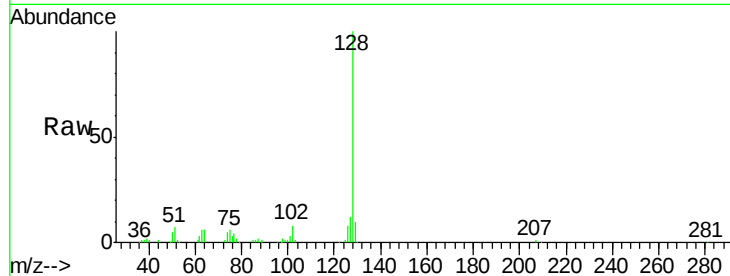




#95
Naphthalene
Concen: 9.578 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 44266
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 10.655 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015653.D
Acq: 23 Jun 2020 11:16

Tgt Ion:180 Resp: 24764
Ion Ratio Lower Upper
180 100
182 94.6 49.0 147.0
145 31.4 16.4 49.2

