

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062320\
 Data File : VW015654.D
 Acq On : 23 Jun 2020 11:40
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 23 12:46:08 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	205352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	324594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	48777	22.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.12%	
35) Dibromofluoromethane	7.88	113	42091	21.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.76%	
50) Toluene-d8	10.32	98	167052	21.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.82%	
62) 4-Bromofluorobenzene	12.62	95	62466	22.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23007	19.736	ug/l	92
3) Chloromethane	2.21	50	26998	19.034	ug/l	96
4) Vinyl Chloride	2.37	62	46660	20.953	ug/l	99
5) Bromomethane	2.78	94	35397	22.598	ug/l	98
6) Chloroethane	2.93	64	30947	21.463	ug/l	99
7) Trichlorofluoromethane	3.26	101	33859	20.243	ug/l	99
8) Diethyl Ether	3.68	74	20862	21.183	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	41640	20.734	ug/l	99
10) Methyl Iodide	4.27	142	58244	19.830	ug/l	100
11) Tert butyl alcohol	5.19	59	16680	101.963	ug/l	98
12) 1,1-Dichloroethene	4.04	96	39872	20.018	ug/l	99
13) Acrolein	3.90	56	17903	133.224	ug/l	97
14) Allyl chloride	4.67	41	64300	19.238	ug/l	99
15) Acrylonitrile	5.37	53	43759	109.431	ug/l	99
16) Acetone	4.13	43	43801	100.136	ug/l	97
17) Carbon Disulfide	4.39	76	112274	18.905	ug/l	98
18) Methyl Acetate	4.68	43	22177	23.375	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	63331	21.036	ug/l	100
20) Methylene Chloride	4.92	84	47738	21.072	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	44807	19.997	ug/l	96
22) Diisopropyl ether	6.32	45	131391	20.718	ug/l	98
23) Vinyl Acetate	6.26	43	388473	104.429	ug/l	100
24) 1,1-Dichloroethane	6.22	63	81601	20.405	ug/l	99
25) 2-Butanone	7.18	43	60971	108.344	ug/l	99
26) 2,2-Dichloropropane	7.17	77	54493	19.420	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	49807	20.441	ug/l	99
28) Bromochloromethane	7.52	49	32521	21.693	ug/l	100
29) Tetrahydrofuran	7.54	42	36428	108.484	ug/l	99
30) Chloroform	7.68	83	83729	20.741	ug/l	100
31) Cyclohexane	7.96	56	77176	19.561	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	70311	20.088	ug/l	98
36) 1,1-Dichloropropene	8.09	75	67091	20.188	ug/l	100
37) Ethyl Acetate	7.26	43	27183	21.706	ug/l	99
38) Carbon Tetrachloride	8.07	117	65357	20.191	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	79715	19.462	ug/l	98
40) Benzene	8.33	78	182940	20.471	ug/l	98
41) Methacrylonitrile	7.49	41	16341	23.045	ug/l	90
42) 1,2-Dichloroethane	8.40	62	59201	21.820	ug/l	100
43) Isopropyl Acetate	8.43	43	54741	22.030	ug/l	99
44) Trichloroethene	9.10	130	49825	20.817	ug/l	98
45) 1,2-Dichloropropane	9.37	63	45403	20.924	ug/l	98
46) Dibromomethane	9.46	93	23167	21.049	ug/l	98
47) Bromodichloromethane	9.65	83	61015	20.446	ug/l	98
48) Methyl methacrylate	9.44	41	24112	21.170	ug/l	97
49) 1,4-Dioxane	9.46	88	6084	419.720	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	132419	112.104	ug/l	98
52) Toluene	10.39	92	118172	20.480	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	57564	19.728	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	69654	20.098	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	32832	21.376	ug/l	95
56) Ethyl methacrylate	10.65	69	41664	21.019	ug/l	95
57) 1,3-Dichloropropane	10.93	76	57954	21.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	103086	108.762	ug/l	99
59) 2-Hexanone	10.97	43	89666	110.426	ug/l	99
60) Dibromochloromethane	11.13	129	38367	20.531	ug/l	97
61) 1,2-Dibromoethane	11.24	107	32120	21.881	ug/l	100
64) Tetrachloroethene	10.87	164	40911	19.876	ug/l	98
65) Chlorobenzene	11.66	112	128268	20.691	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	44532	20.146	ug/l	96
67) Ethyl Benzene	11.73	91	236958	20.298	ug/l	100
68) m/p-Xylenes	11.84	106	177931	40.822	ug/l	100
69) o-Xylene	12.17	106	81290	20.091	ug/l	98
70) Styrene	12.18	104	140486	20.329	ug/l	98
71) Bromoform	12.35	173	20779	19.899	ug/l #	100
73) Isopropylbenzene	12.47	105	229560	19.309	ug/l	100
74) N-amyl acetate	12.27	43	51108	20.477	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	38989	21.595	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	50220	38.458	ug/l	27
77) Bromobenzene	12.75	156	50970	19.865	ug/l	96
78) n-propylbenzene	12.80	91	281636	19.774	ug/l	100
79) 2-Chlorotoluene	12.90	91	157594	19.600	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	200317	19.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11048	18.727	ug/l	95
82) 4-Chlorotoluene	12.99	91	169835	20.379	ug/l	99
83) tert-Butylbenzene	13.21	119	162931	19.094	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	197366	19.701	ug/l	100
85) sec-Butylbenzene	13.38	105	237880	19.625	ug/l	100
86) p-Isopropyltoluene	13.50	119	215009	19.445	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	104402	20.467	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	103702	20.577	ug/l	97
89) n-Butylbenzene	13.82	91	207695	19.497	ug/l	99
90) Hexachloroethane	14.10	117	37980	18.744	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	91232	20.591	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6390	20.748	ug/l	95

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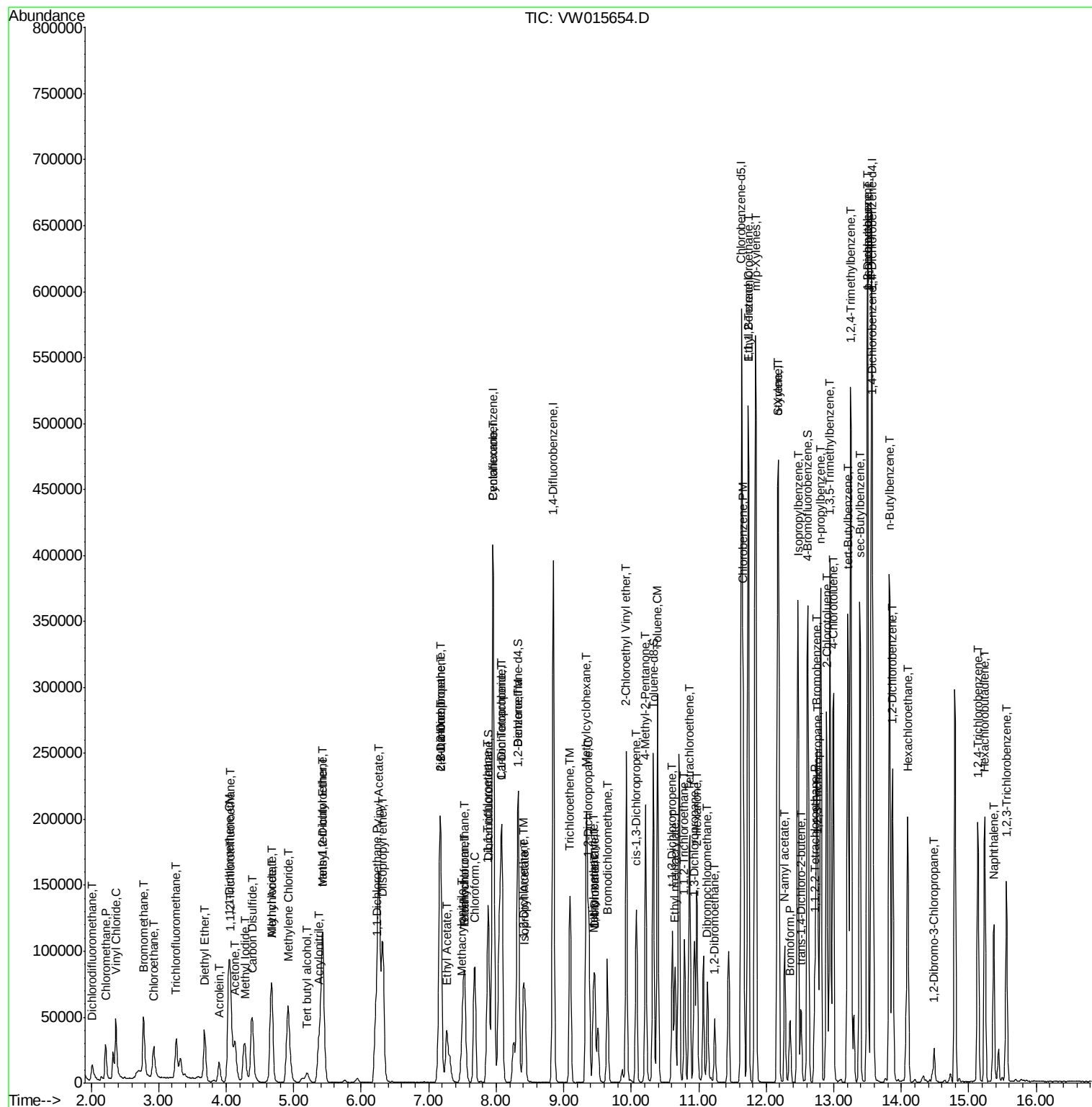
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59567	19.517	ug/l	98
94) Hexachlorobutadiene	15.24	225	36503	19.422	ug/l	97
95) Naphthalene	15.37	128	99535	19.599	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	50833	19.904	ug/l	97

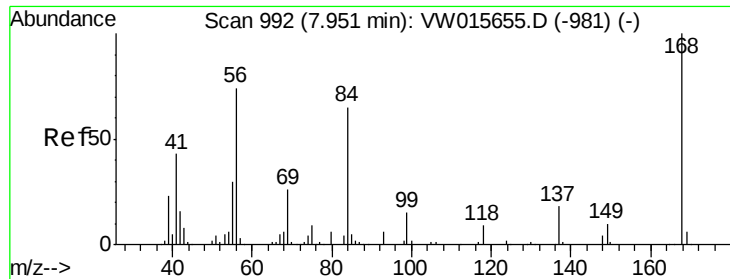
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampled :

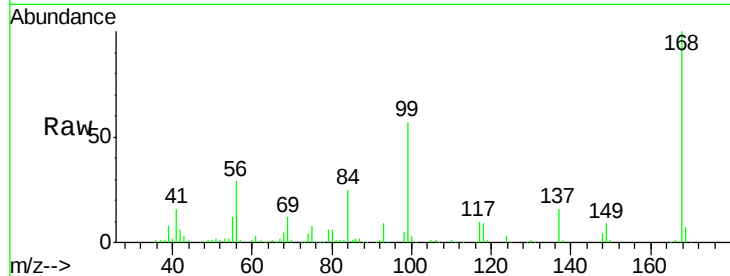
VSTDIC020

Tgt Ion: 168 Resp: 205352

Ion Ratio Lower Upper

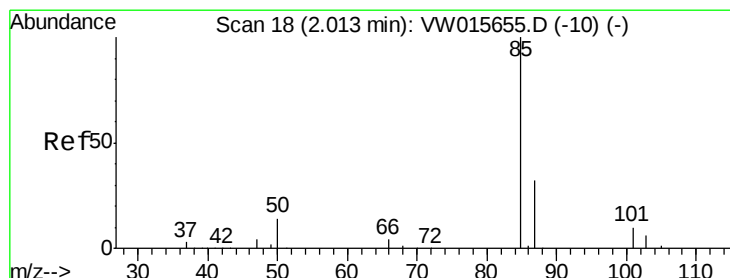
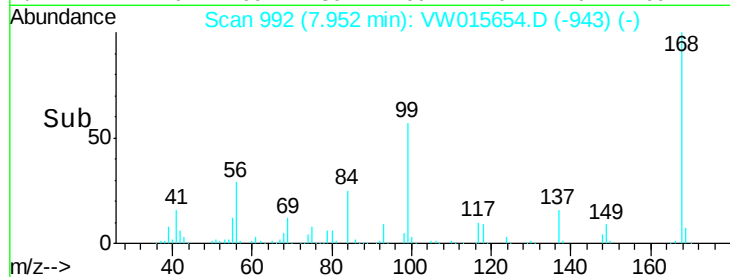
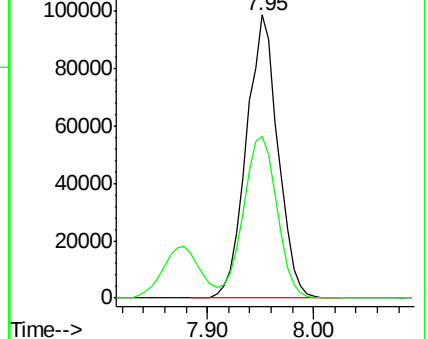
168 100

99 57.2 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.736 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015654.D

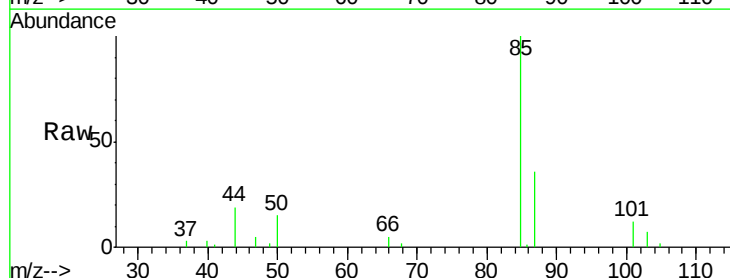
Acq: 23 Jun 2020 11:40

Tgt Ion: 85 Resp: 23007

Ion Ratio Lower Upper

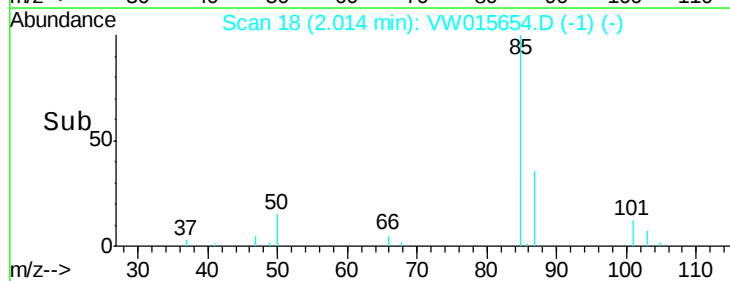
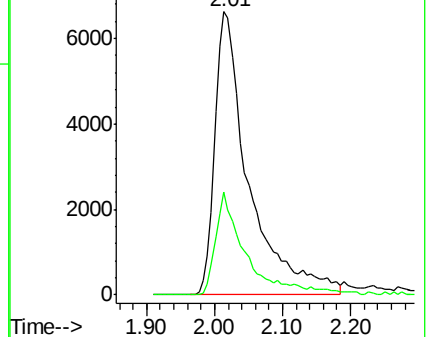
85 100

87 36.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.034 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

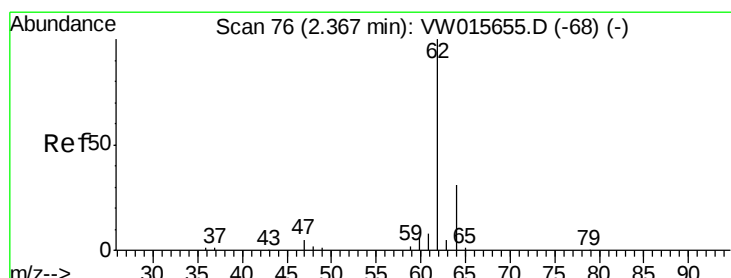
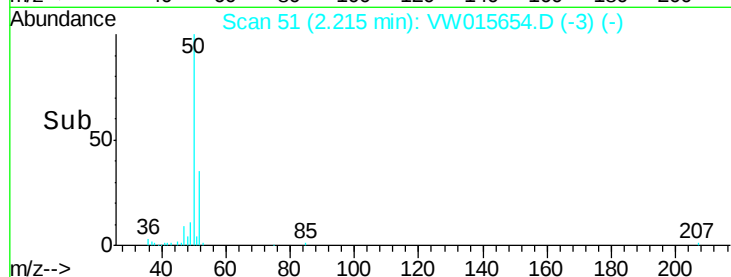
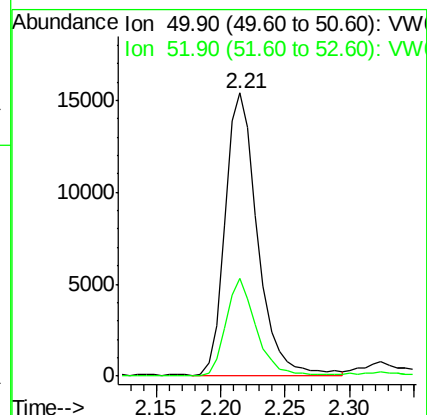
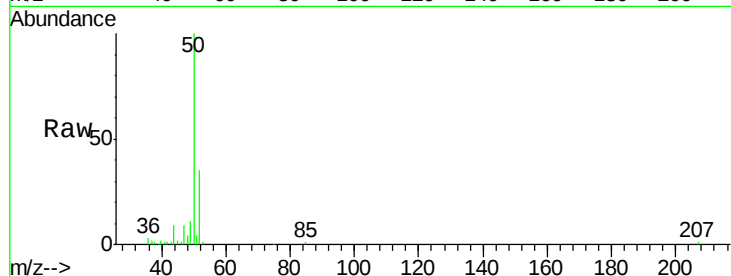
VSTDIC020

Tgt Ion: 50 Resp: 26998

Ion Ratio Lower Upper

50 100

52 34.7 26.0 39.0



#4

Vinyl Chloride

Concen: 20.953 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015654.D

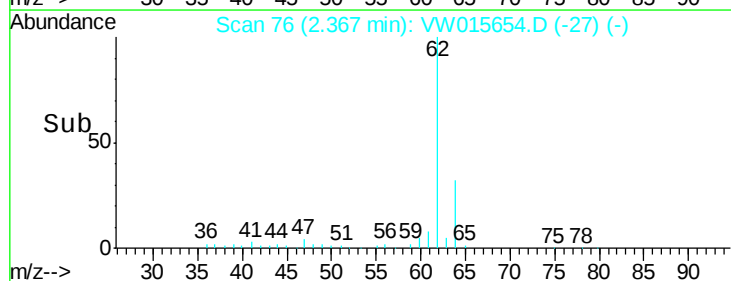
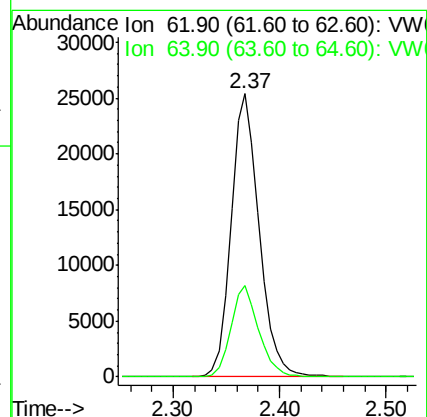
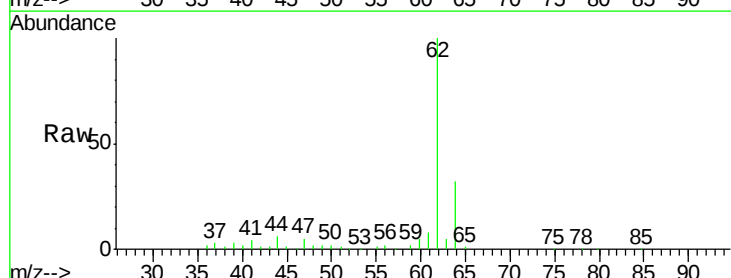
Acq: 23 Jun 2020 11:40

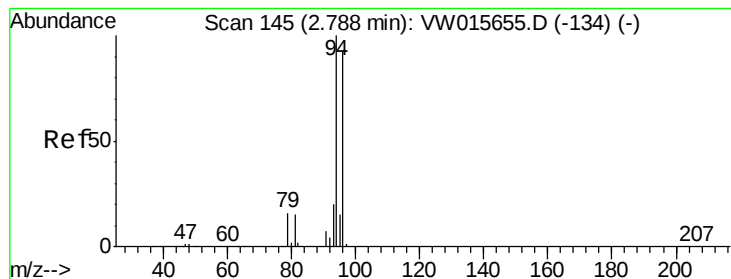
Tgt Ion: 62 Resp: 46660

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 22.598 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

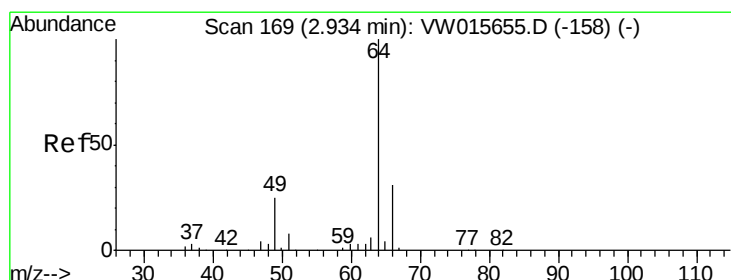
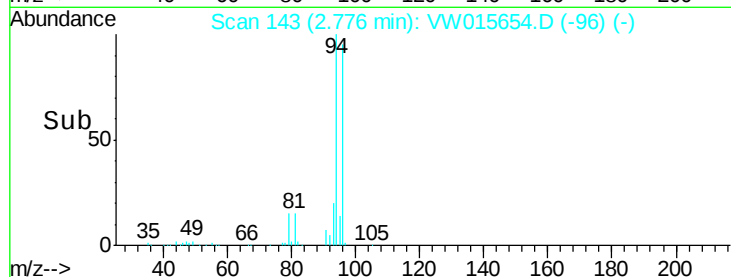
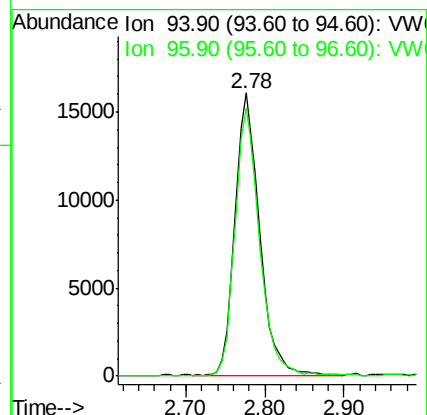
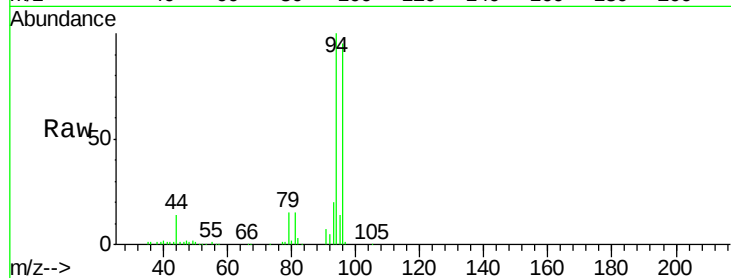
VSTDIC020

Tgt Ion: 94 Resp: 35397

Ion Ratio Lower Upper

94 100

96 94.3 73.8 110.6



#6

Chloroethane

Concen: 21.463 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015654.D

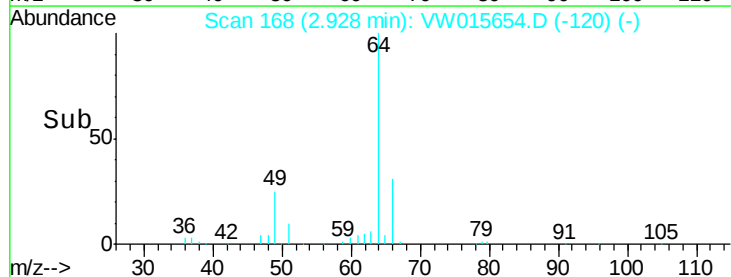
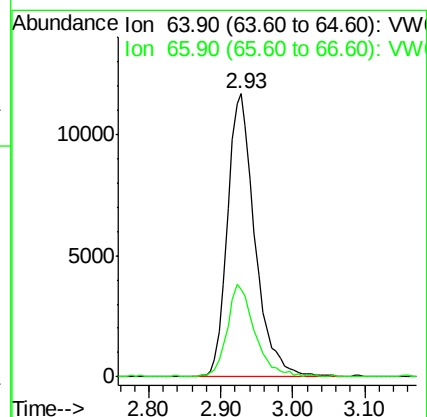
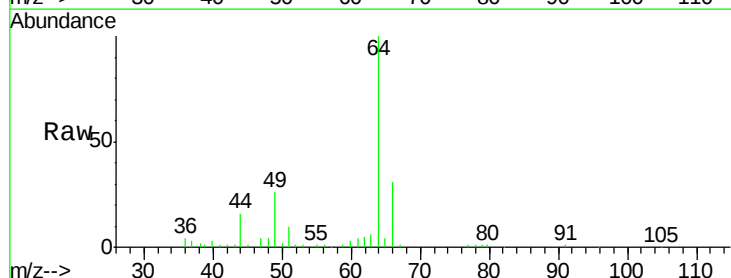
Acq: 23 Jun 2020 11:40

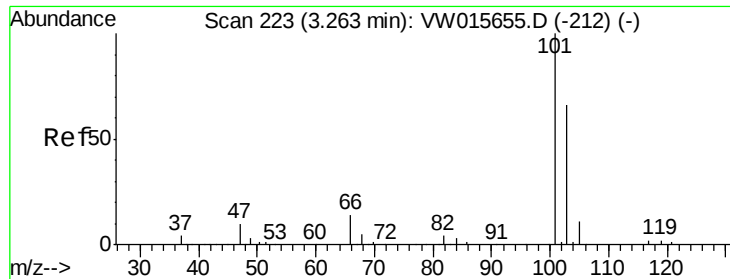
Tgt Ion: 64 Resp: 30947

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9



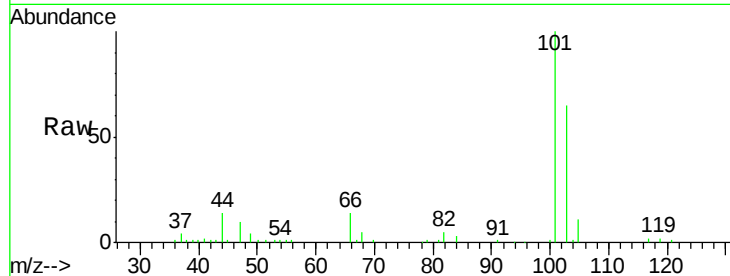


#7

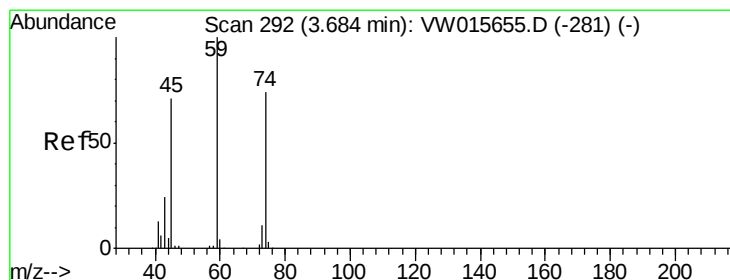
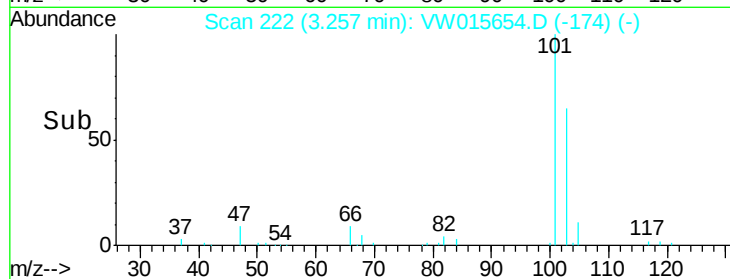
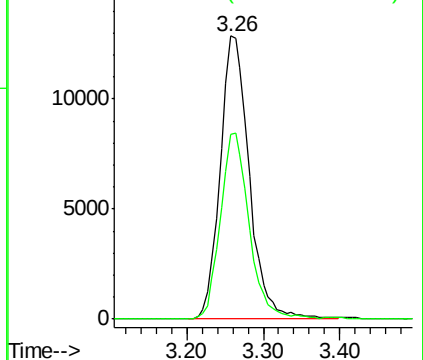
Trichlorofluoromethane
 Concen: 20.243 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015654.D
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Tgt Ion: 101 Resp: 33859
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 78.8



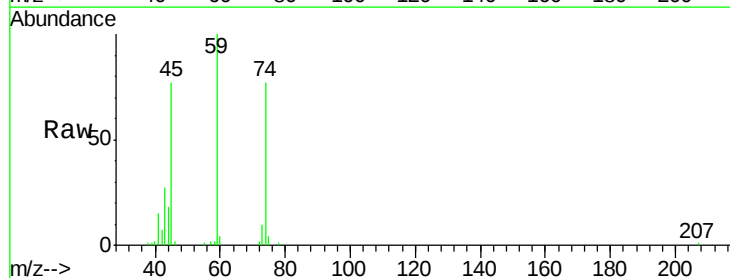
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



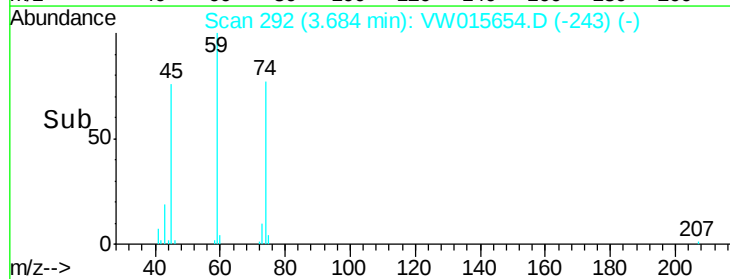
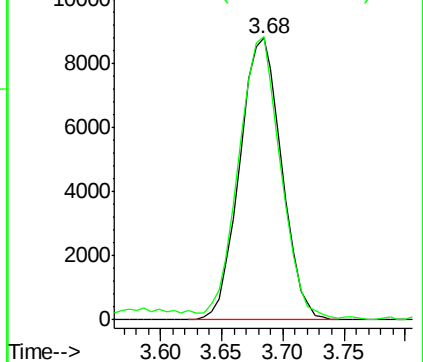
#8

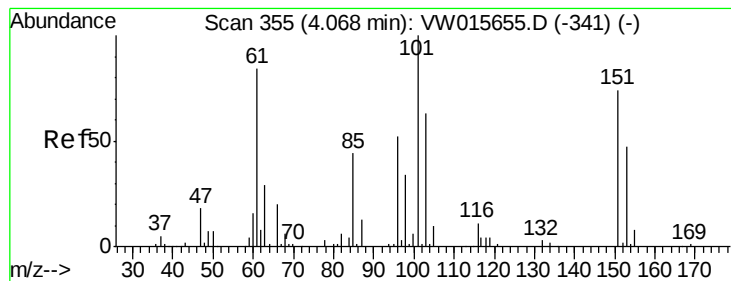
Diethyl Ether
 Concen: 21.183 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
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Tgt Ion: 74 Resp: 20862
 Ion Ratio Lower Upper
 74 100
 45 101.6 48.2 144.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.734 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

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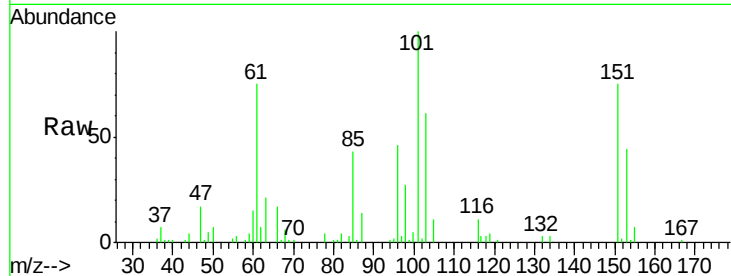
Tgt Ion:101 Resp: 41640

Ion Ratio Lower Upper

101 100

85 44.8 36.6 55.0

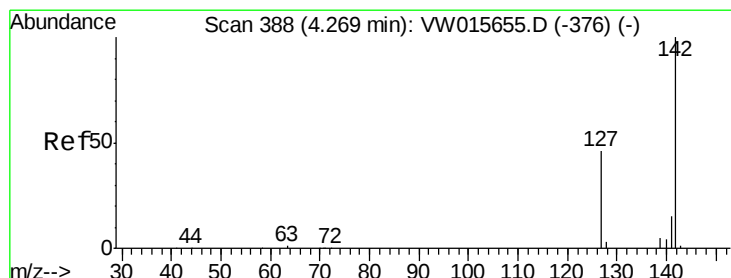
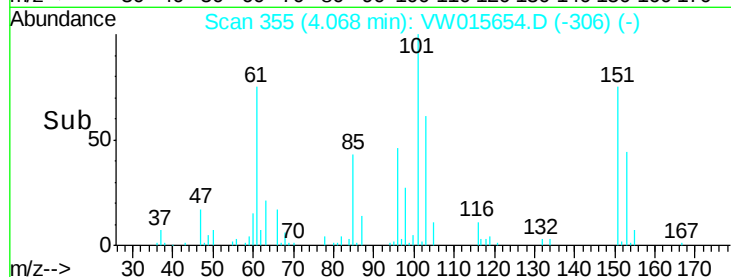
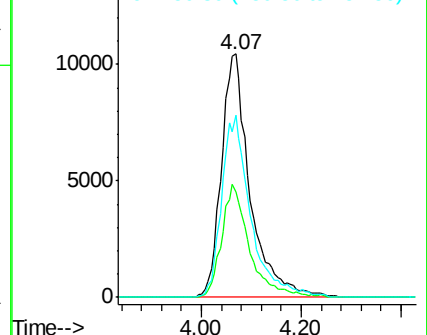
151 75.7 60.4 90.6



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: 19.830 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

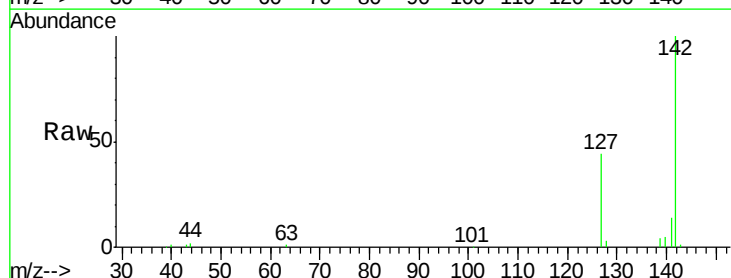
Tgt Ion:142 Resp: 58244

Ion Ratio Lower Upper

142 100

127 45.6 36.4 54.6

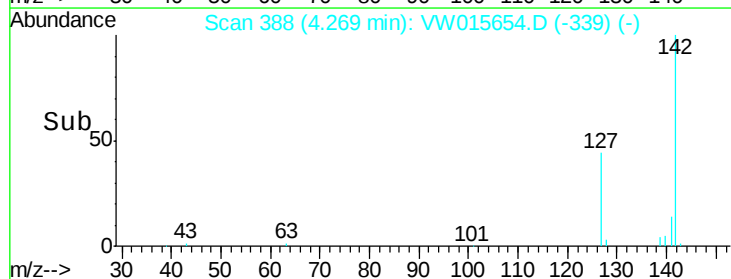
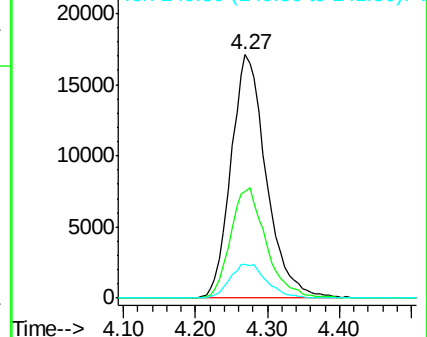
141 14.5 11.6 17.4

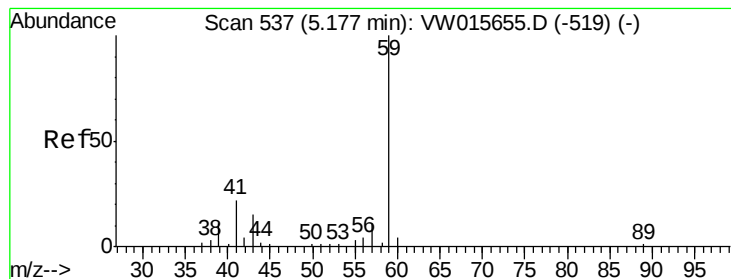


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



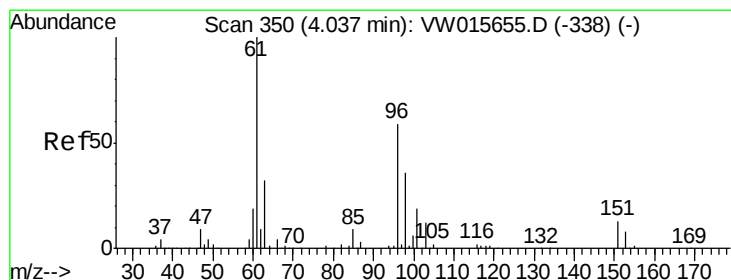
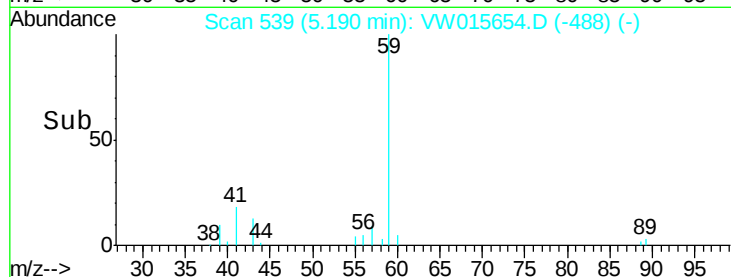
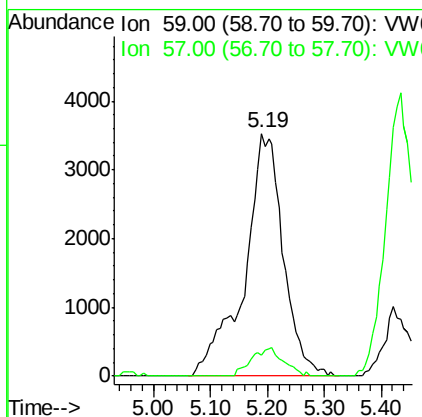
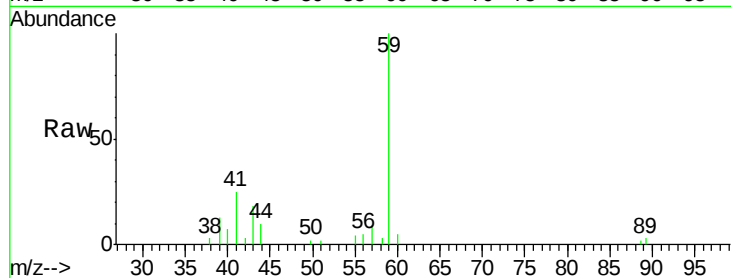


#11

Tert butyl alcohol
 Concen: 101.963 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

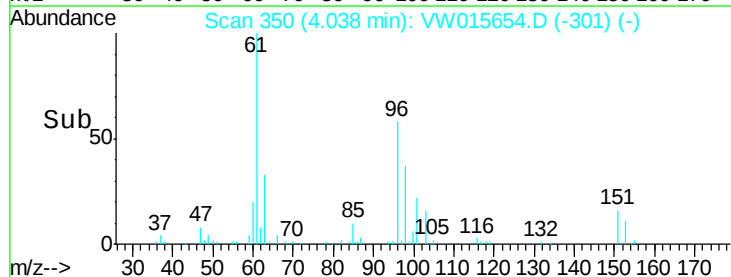
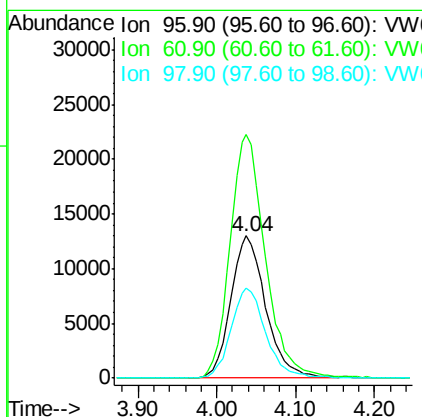
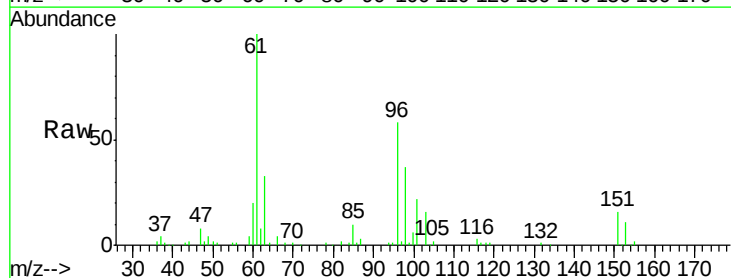
Tgt Ion: 59 Resp: 16680
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.4 12.6

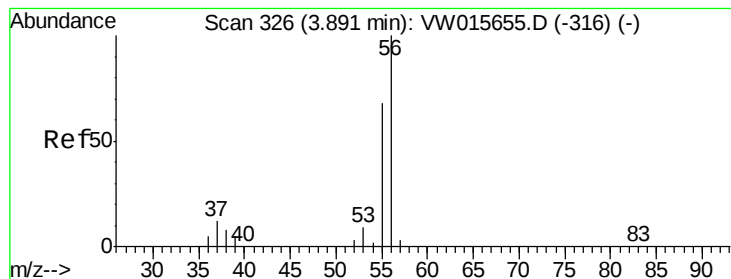


#12

1,1-Dichloroethene
 Concen: 20.018 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion: 96 Resp: 39872
 Ion Ratio Lower Upper
 96 100
 61 171.6 136.7 205.1
 98 63.7 49.2 73.8





#13

Acrolein

Concen: 133.224 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

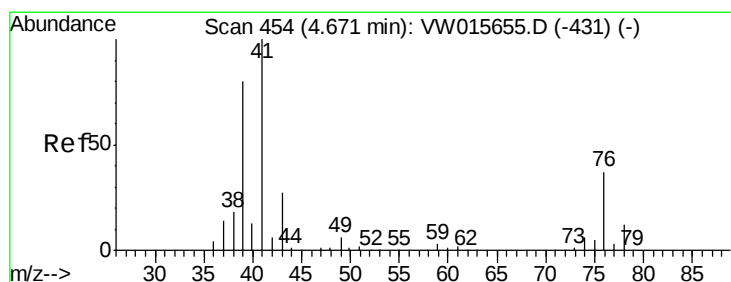
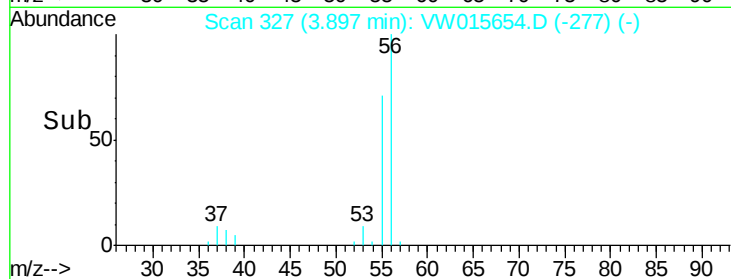
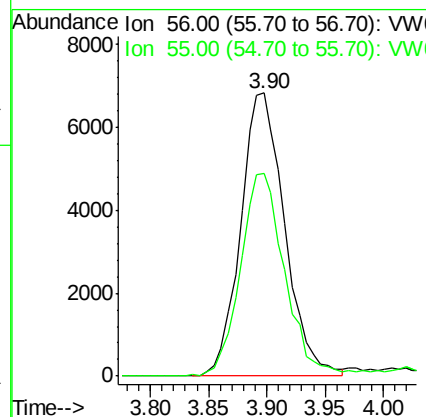
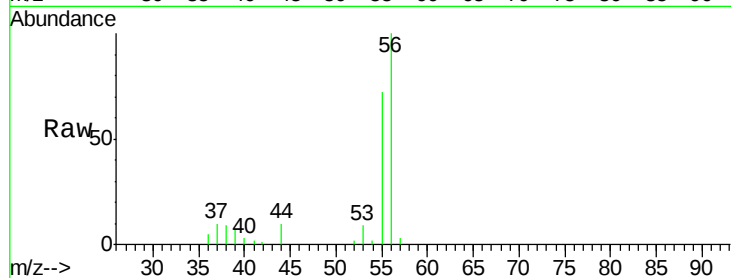
VSTDIC020

Tgt Ion: 56 Resp: 17903

Ion Ratio Lower Upper

56 100

55 72.5 56.2 84.2



#14

Allyl chloride

Concen: 19.238 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

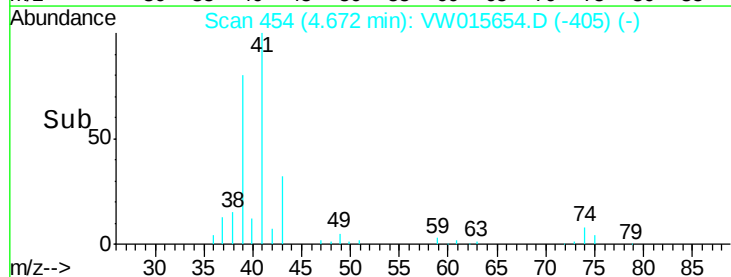
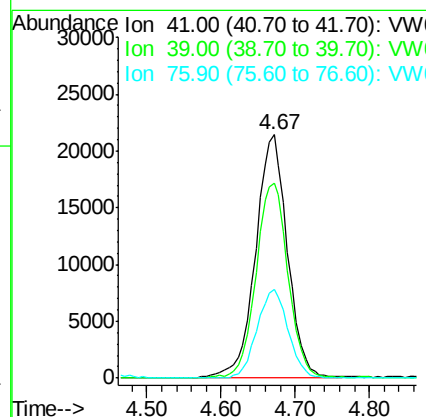
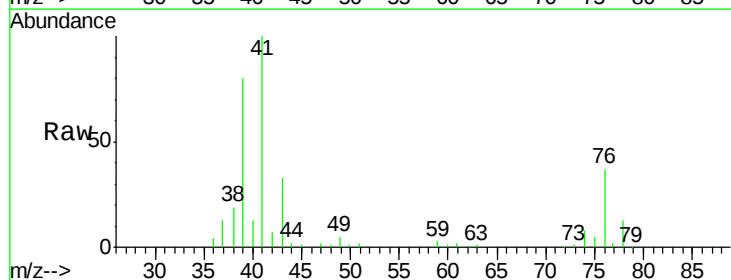
Tgt Ion: 41 Resp: 64300

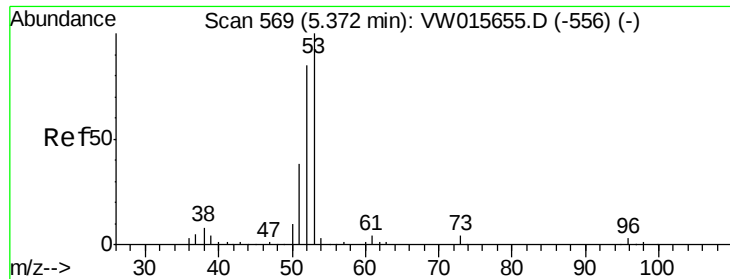
Ion Ratio Lower Upper

41 100

39 80.7 64.6 97.0

76 35.4 29.1 43.7

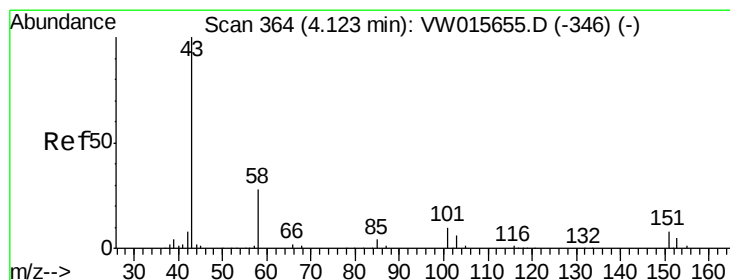
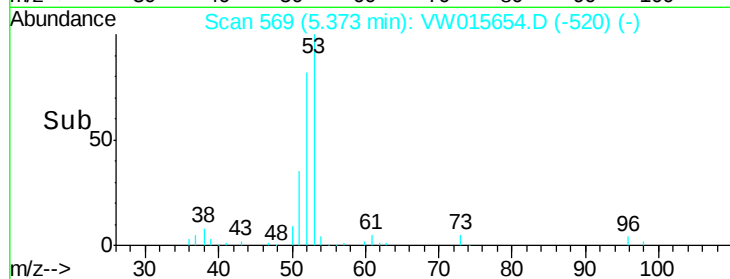
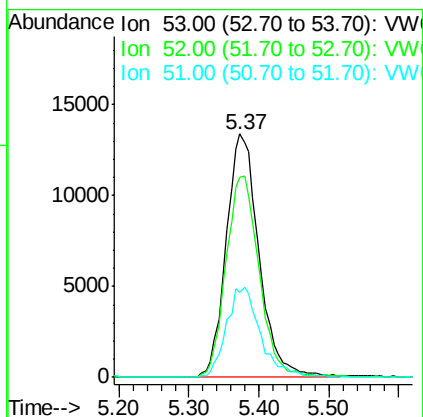
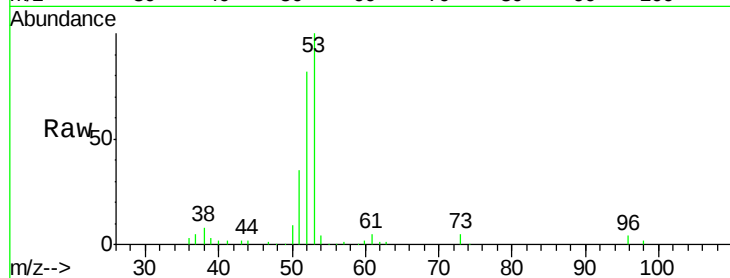




#15
Acrylonitrile
Concen: 109.431 ug/l
RT: 5.37 min Scan# 569
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

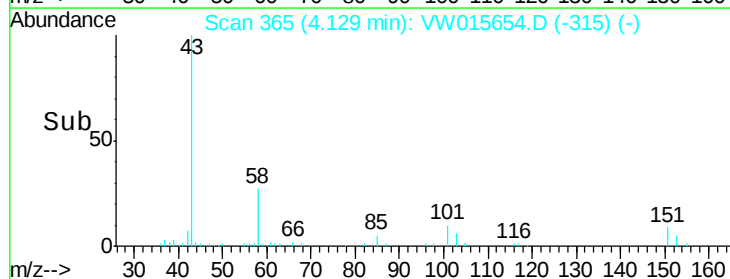
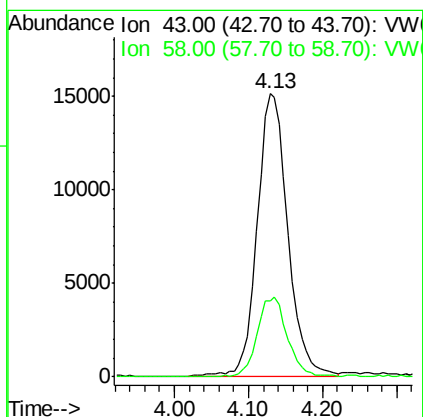
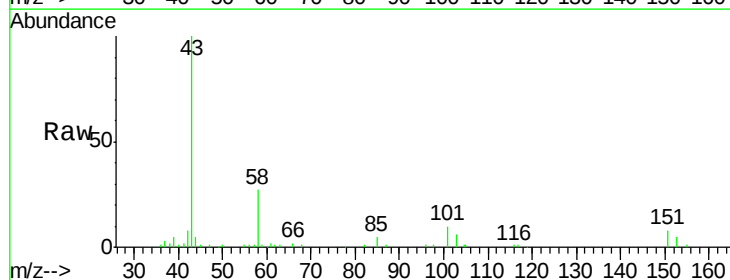
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

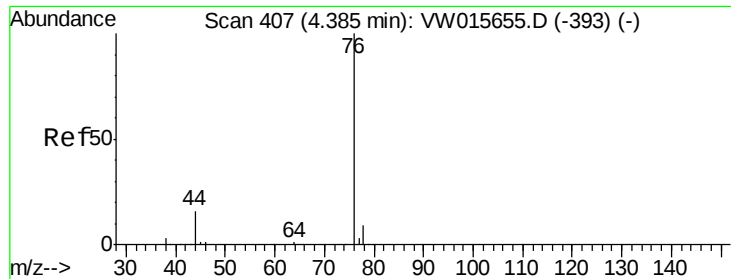
Tgt Ion: 53 Resp: 43759
Ion Ratio Lower Upper
53 100
52 83.3 65.8 98.6
51 38.2 30.7 46.1



#16
Acetone
Concen: 100.136 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 43 Resp: 43801
Ion Ratio Lower Upper
43 100
58 26.7 22.6 33.8

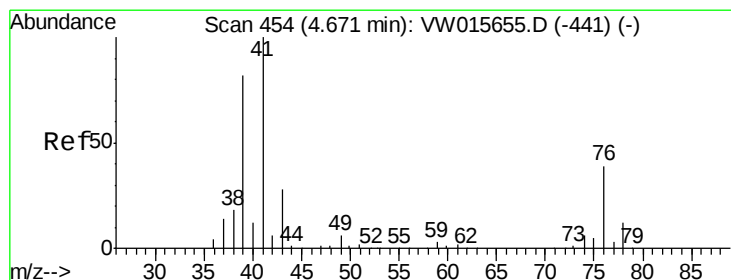
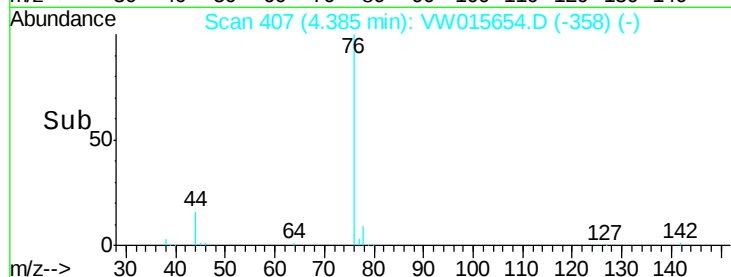
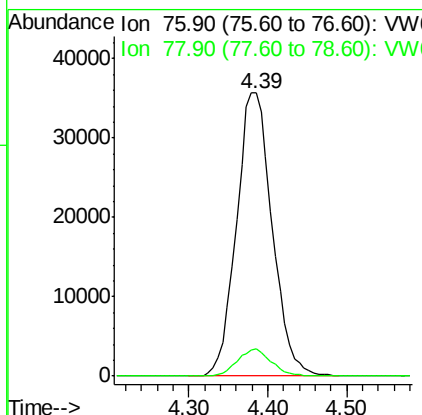
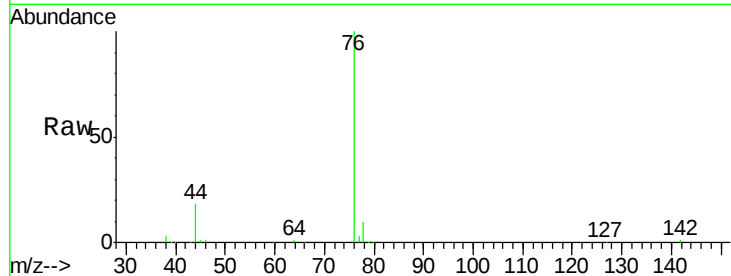




#17
Carbon Disulfide
Concen: 18.905 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

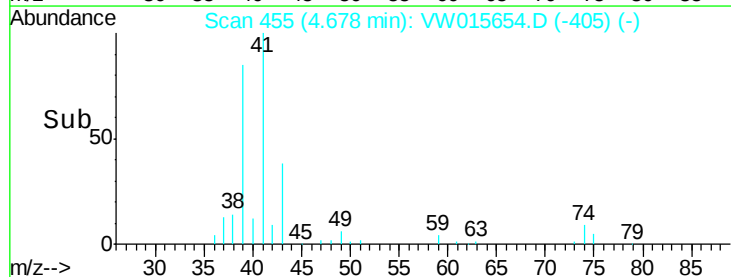
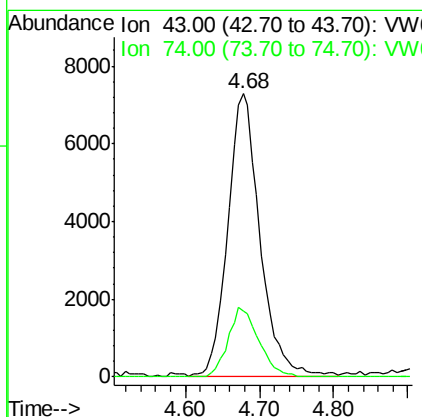
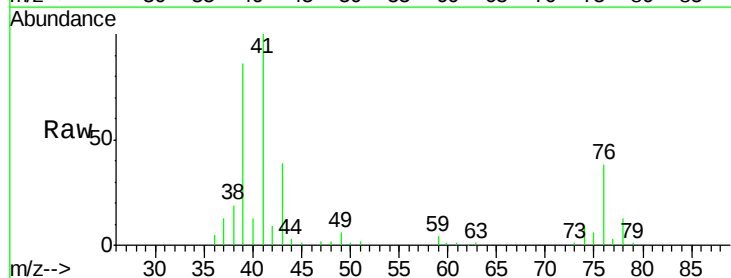
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

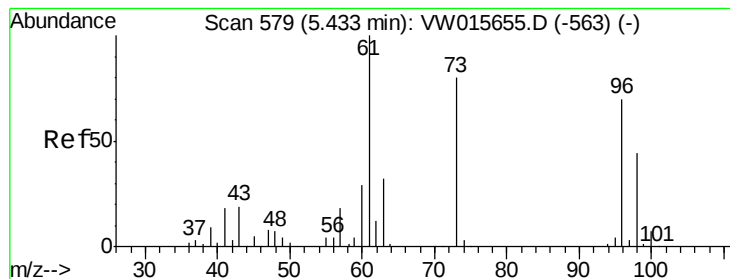
Tgt Ion: 76 Resp: 112274
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 23.375 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 43 Resp: 22177
Ion Ratio Lower Upper
43 100
74 23.0 19.0 28.6





#19

Methyl tert-butyl Ether

Concen: 21.036 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

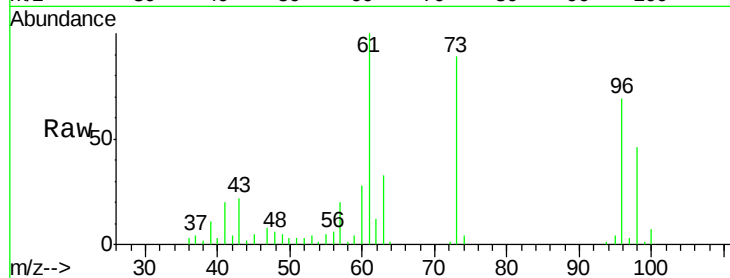
VSTDIC020

Tgt Ion: 73 Resp: 63331

Ion Ratio Lower Upper

73 100

57 22.6 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.43

20000

15000

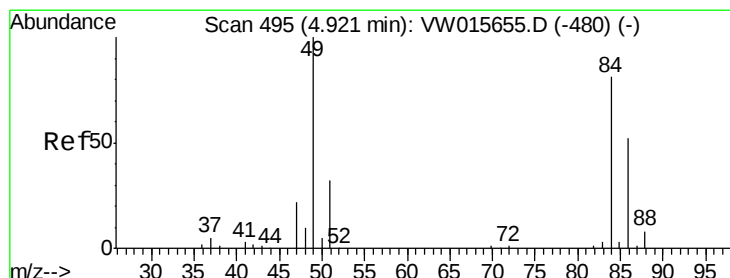
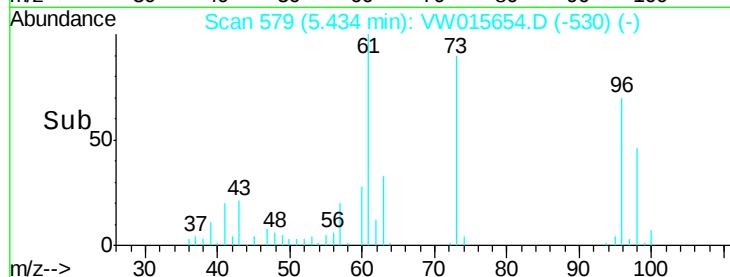
10000

5000

0

Time-->

5.30 5.40 5.50 5.60



#20

Methylene Chloride

Concen: 21.072 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Tgt Ion: 84 Resp: 47738

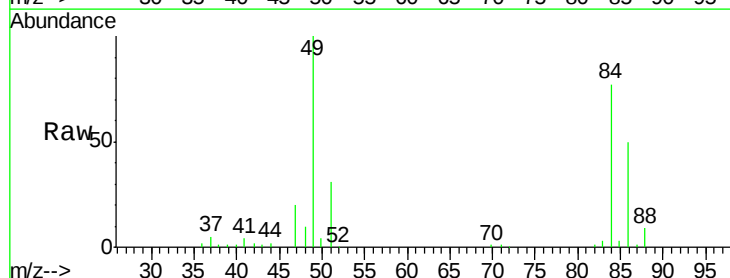
Ion Ratio Lower Upper

84 100

49 130.5 99.3 148.9

51 41.0 31.8 47.6

86 65.1 51.7 77.5



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

25000

20000

15000

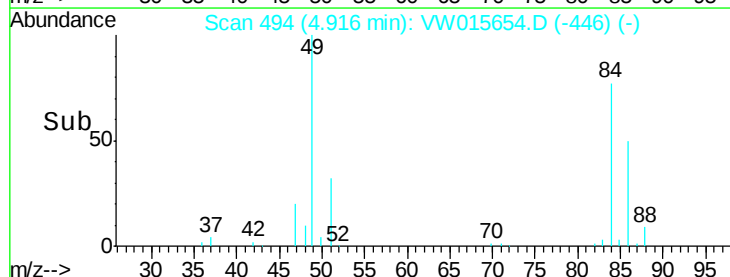
10000

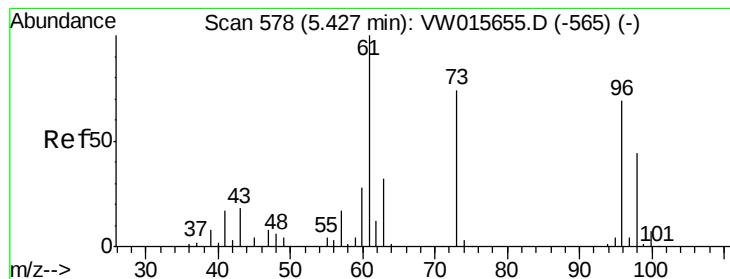
5000

0

Time-->

4.80 4.90 5.00 5.10





#21

trans-1,2-Dichloroethene

Concen: 19.997 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

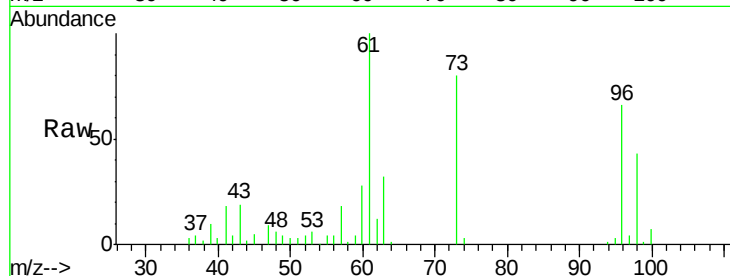
Tgt Ion: 96 Resp: 44807

Ion Ratio Lower Upper

96 100

61 151.3 116.2 174.2

98 64.6 51.4 77.0

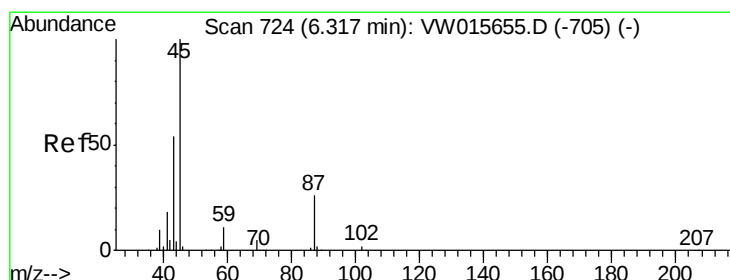
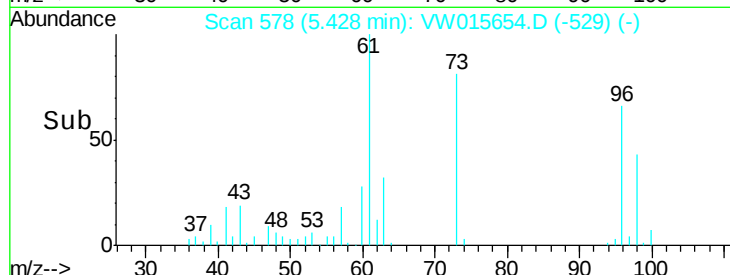
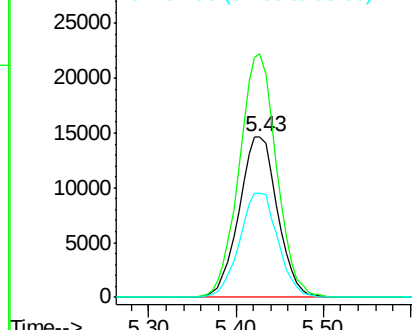


Abundance

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: 20.718 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Tgt Ion: 45 Resp: 131391

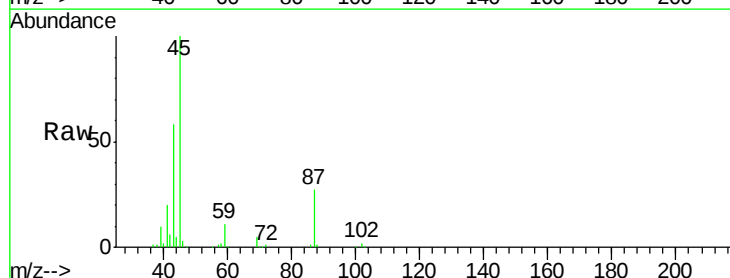
Ion Ratio Lower Upper

45 100

43 57.1 43.9 65.9

87 27.0 21.2 31.8

59 10.9 9.2 13.8



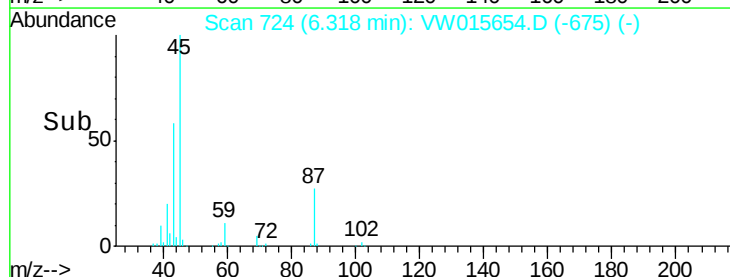
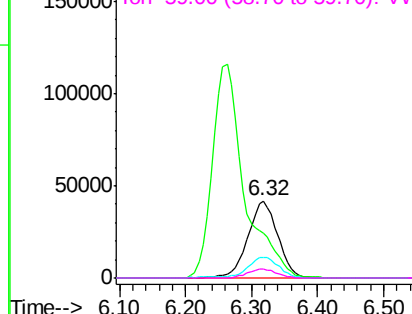
Abundance

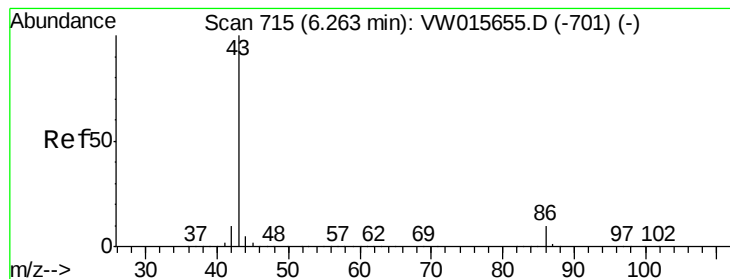
Ion 45.00 (44.70 to 45.70): VW

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: 104.429 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

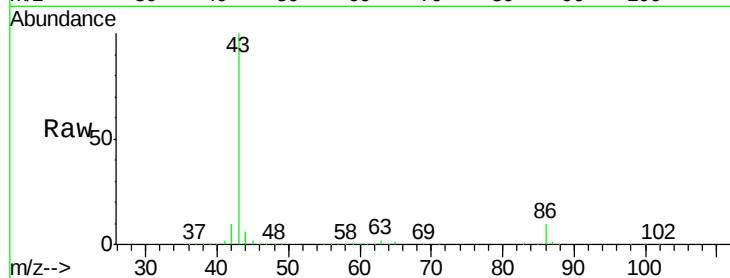
VSTDIC020

Tgt Ion: 43 Resp: 388473

Ion Ratio Lower Upper

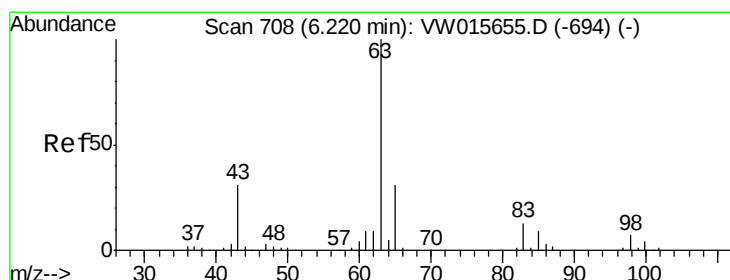
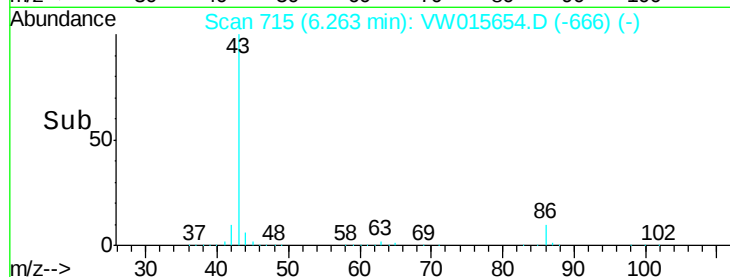
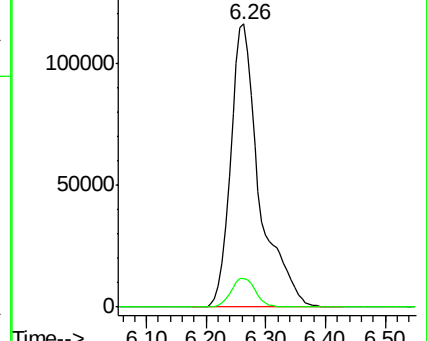
43 100

86 10.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.405 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

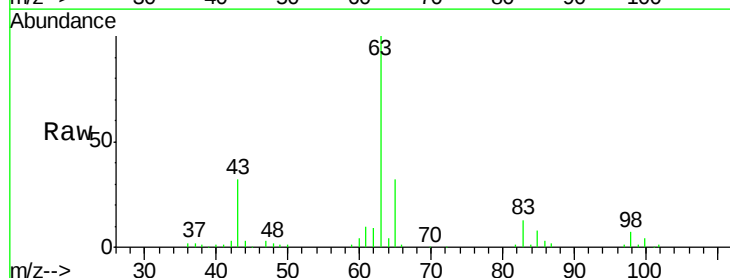
Tgt Ion: 63 Resp: 81601

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

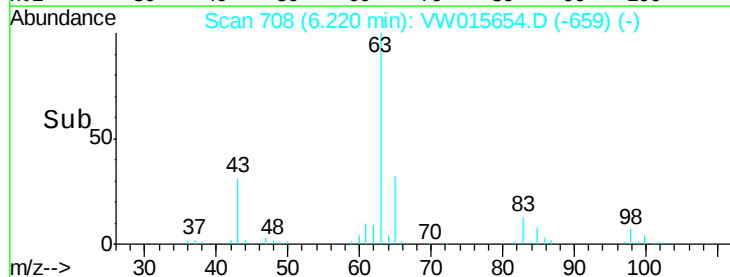
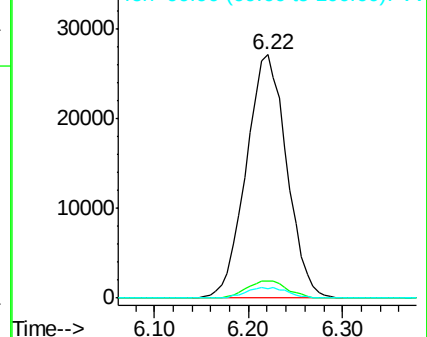
100 4.0 2.1 6.3

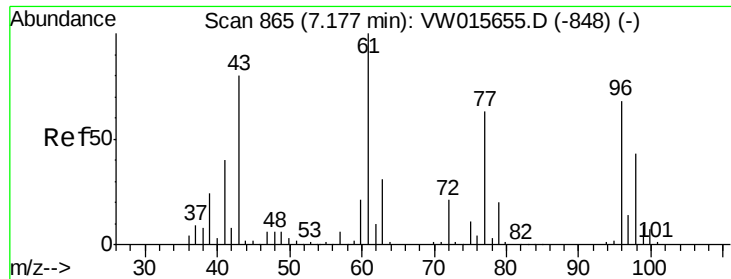


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 108.344 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

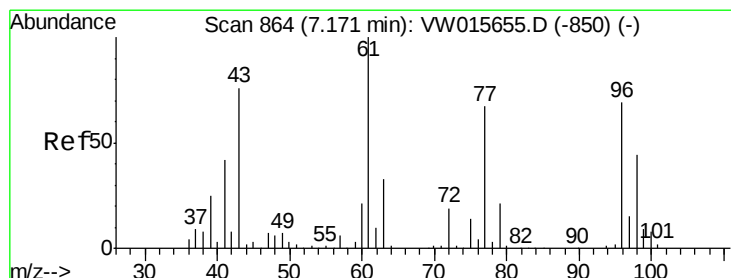
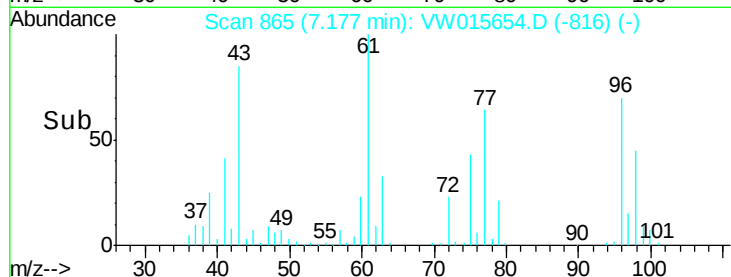
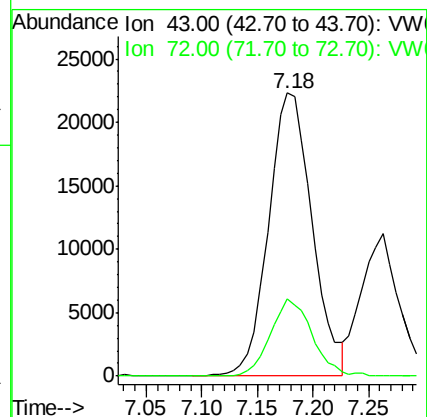
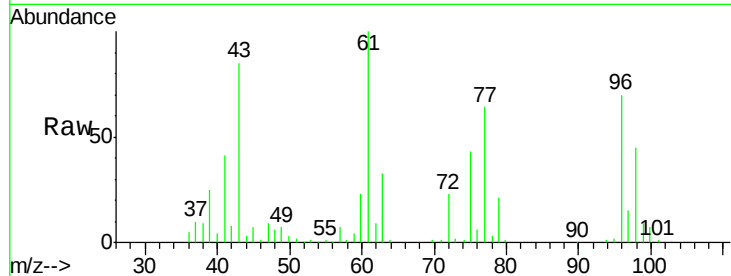
VSTDIC020

Tgt Ion: 43 Resp: 60971

Ion Ratio Lower Upper

43 100

72 27.2 21.1 31.7



#26

2,2-Dichloropropane

Concen: 19.420 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015654.D

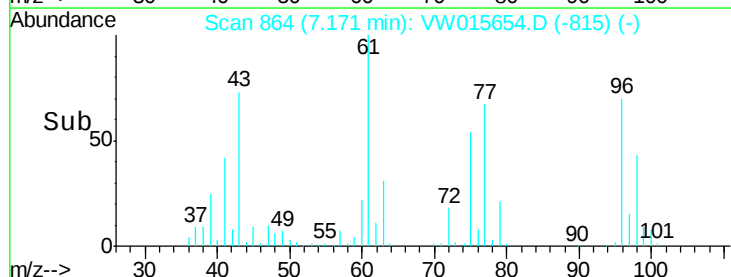
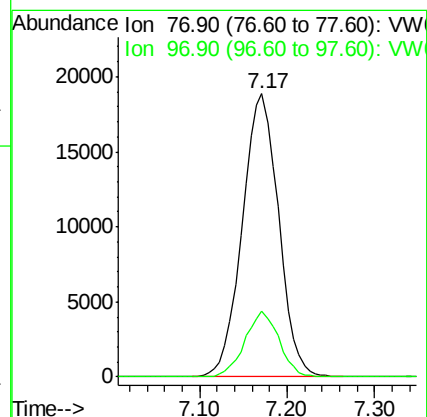
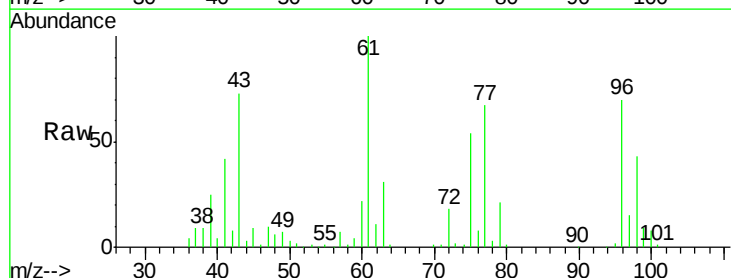
Acq: 23 Jun 2020 11:40

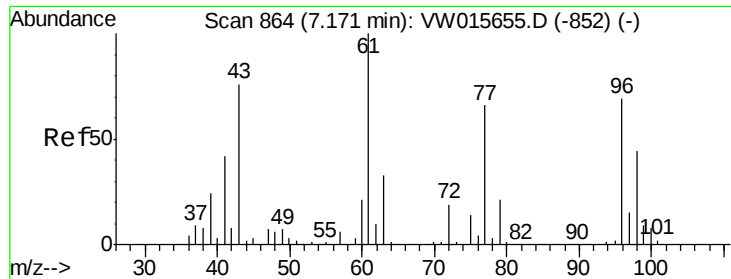
Tgt Ion: 77 Resp: 54493

Ion Ratio Lower Upper

77 100

97 21.7 11.2 33.5



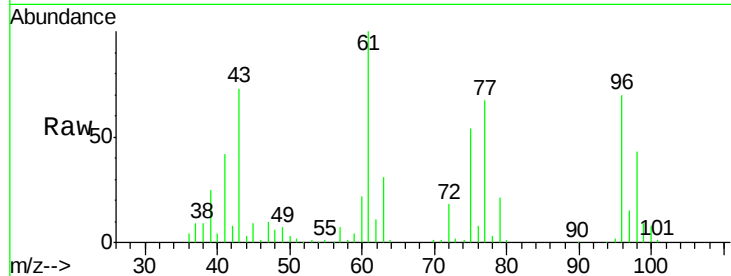


#27

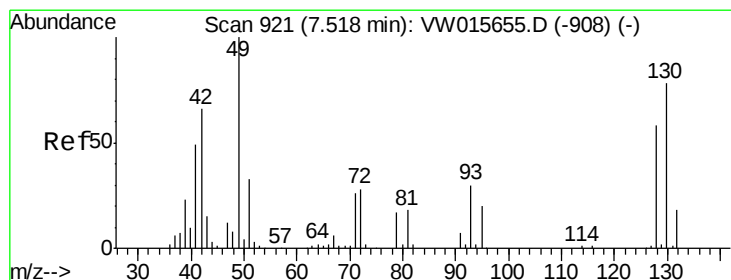
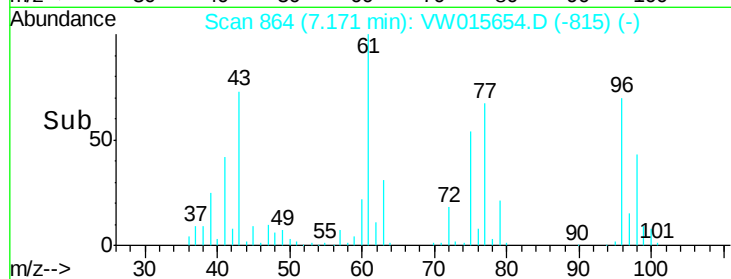
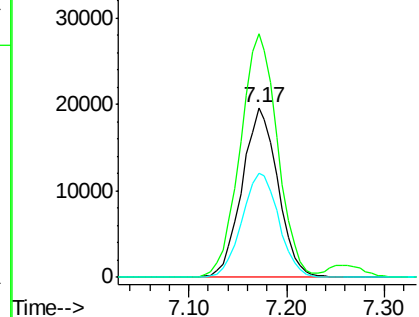
cis-1,2-Dichloroethene
 Concen: 20.441 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 49807
 Ion Ratio Lower Upper
 96 100
 61 149.2 0.0 296.8
 98 63.0 0.0 128.0



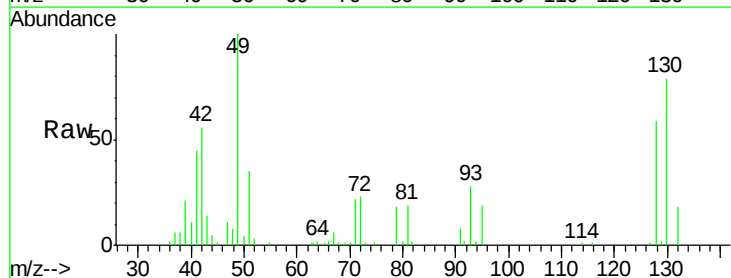
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



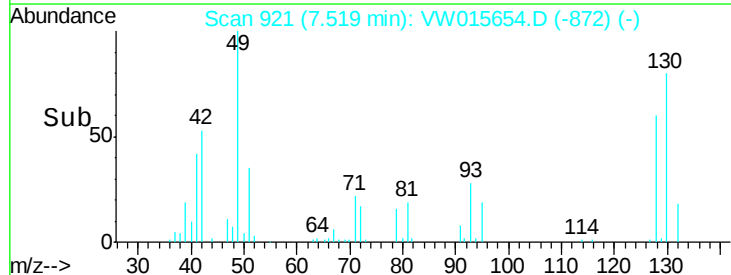
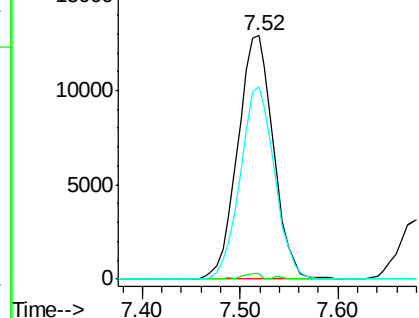
#28

Bromochloromethane
 Concen: 21.693 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion: 49 Resp: 32521
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 2.2
 130 76.3 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

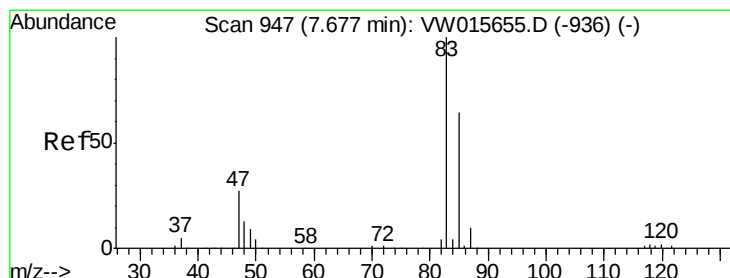
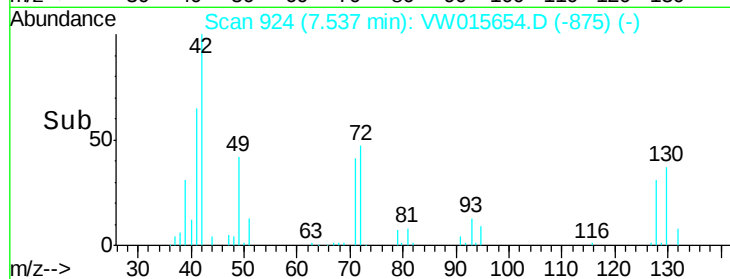
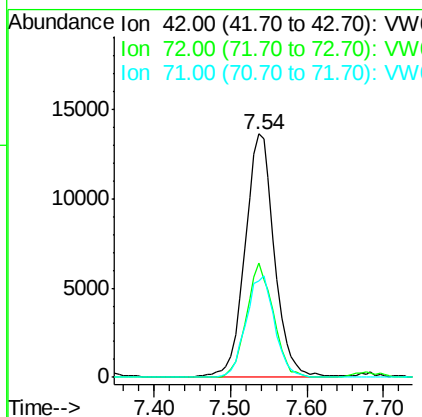
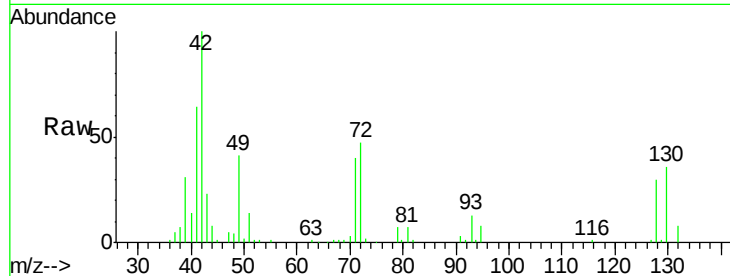




#29
Tetrahydrofuran
Concen: 108.484 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

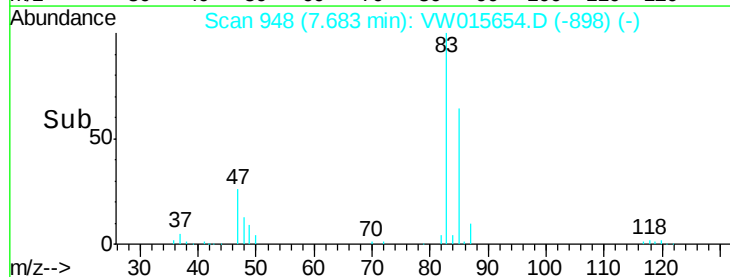
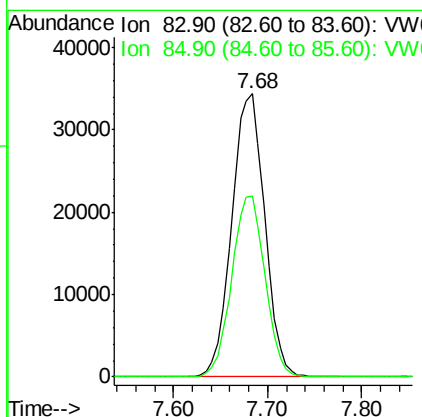
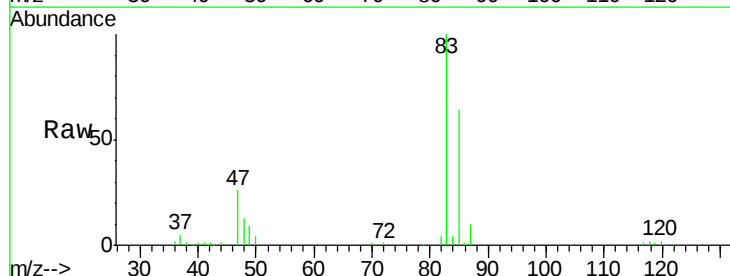
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

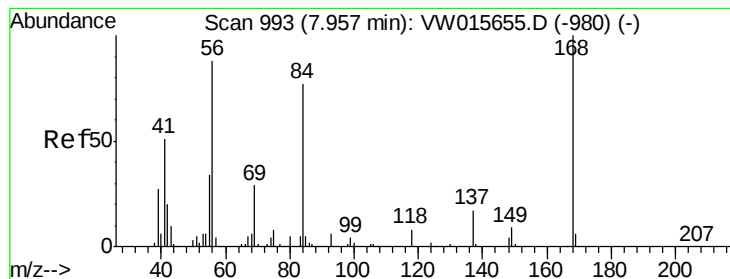
Tgt Ion: 42 Resp: 36428
Ion Ratio Lower Upper
42 100
72 42.9 35.0 52.6
71 40.6 32.6 49.0



#30
Chloroform
Concen: 20.741 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 83 Resp: 83729
Ion Ratio Lower Upper
83 100
85 64.1 51.0 76.4





#31

Cyclohexane

Concen: 19.561 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

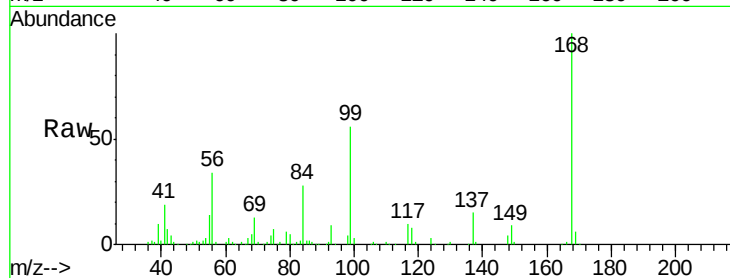
Tgt Ion: 56 Resp: 77176

Ion Ratio Lower Upper

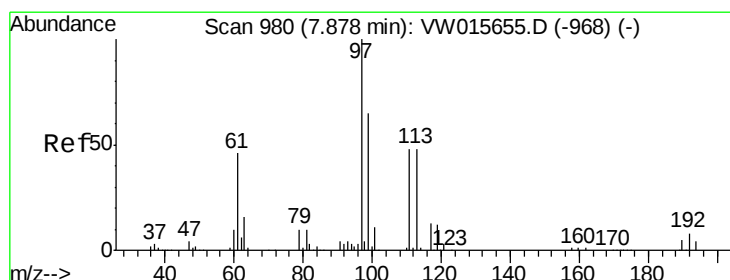
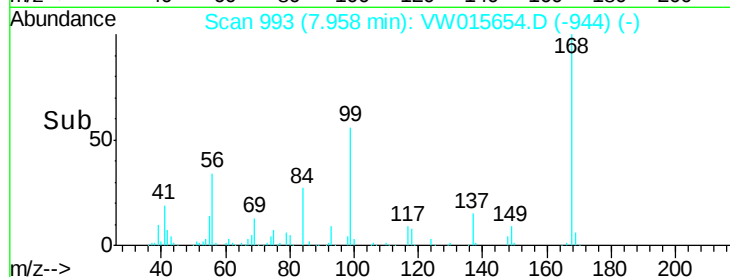
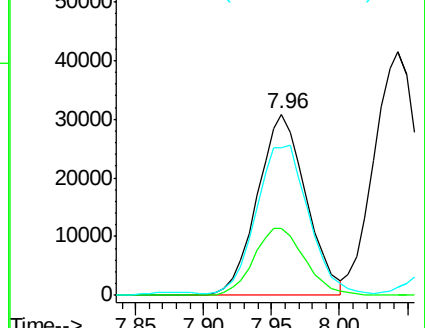
56 100

69 37.1 26.2 39.4

84 80.3 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: 20.088 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

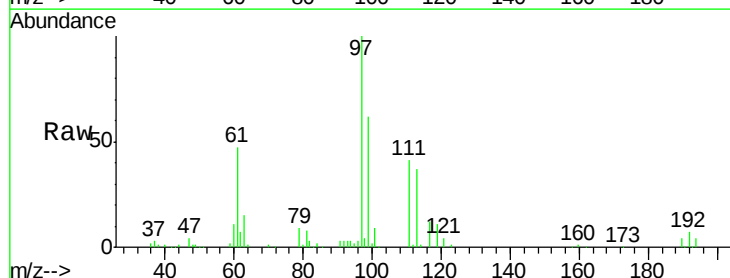
Tgt Ion: 97 Resp: 70311

Ion Ratio Lower Upper

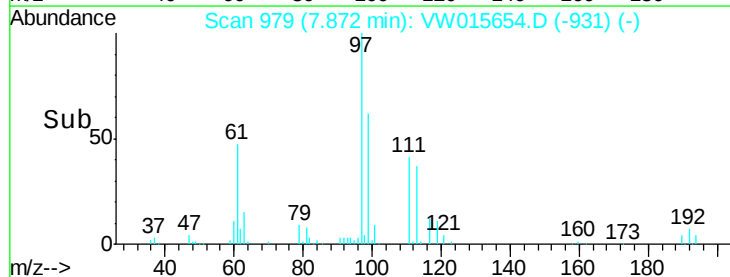
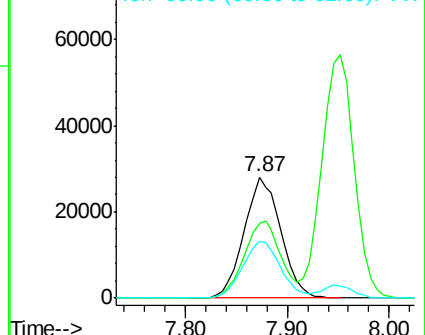
97 100

99 63.5 51.9 77.9

61 48.2 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

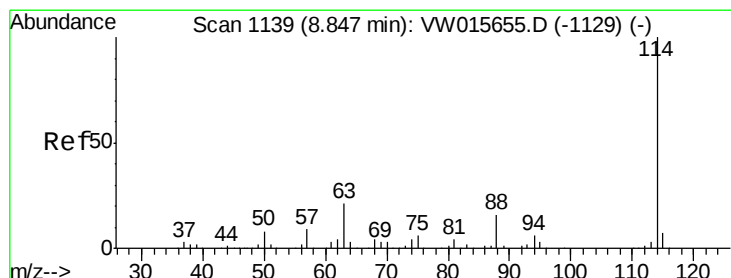
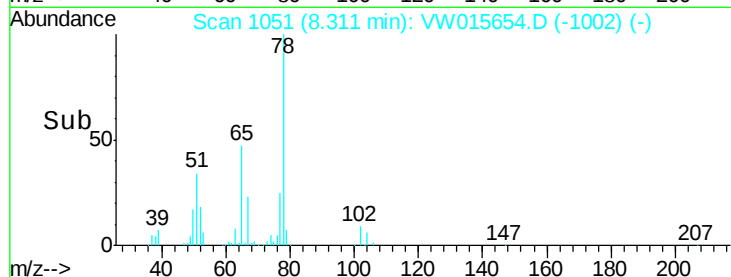
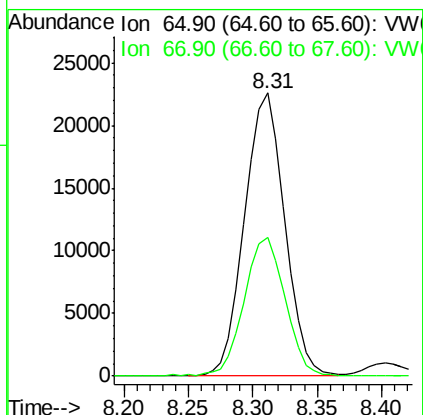
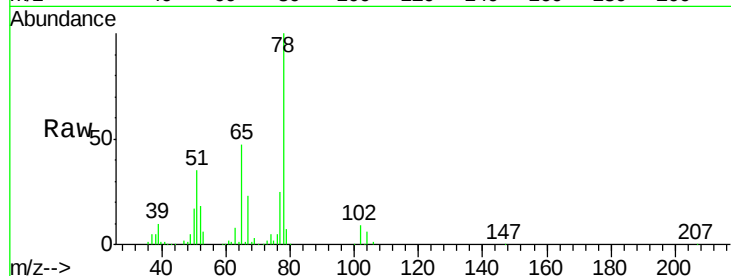




#33
 1,2-Dichloroethane-d4
 Concen: 22.561 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

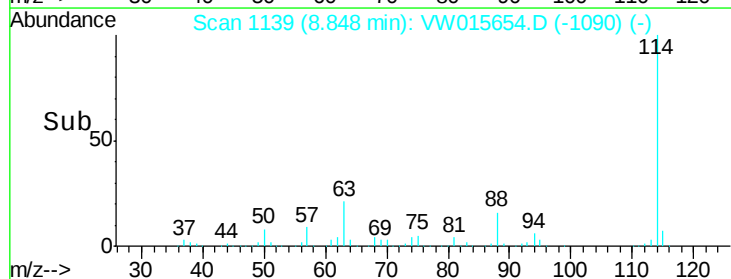
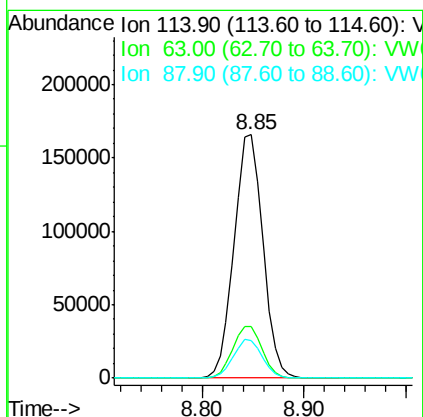
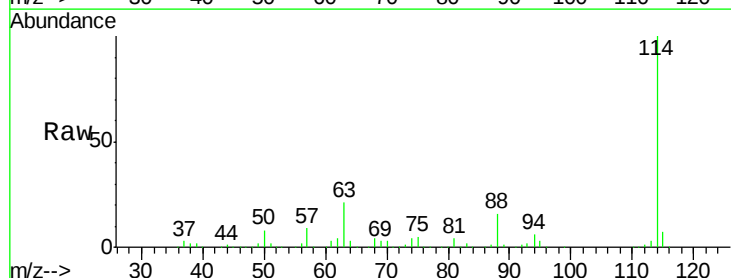
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

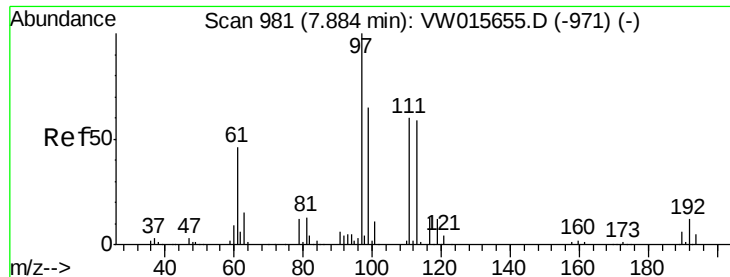
Tgt Ion: 65 Resp: 48777
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion: 114 Resp: 324594
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.4
 88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 21.882 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

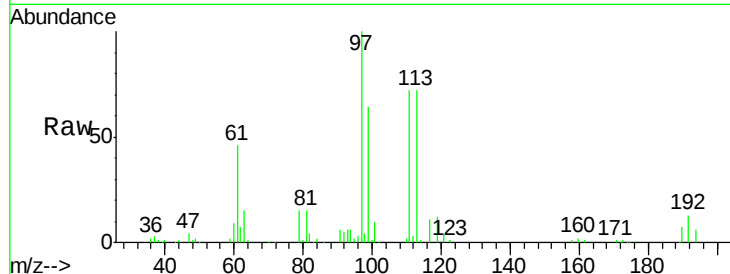
Tgt Ion:113 Resp: 42091

Ion Ratio Lower Upper

113 100

111 103.2 82.3 123.5

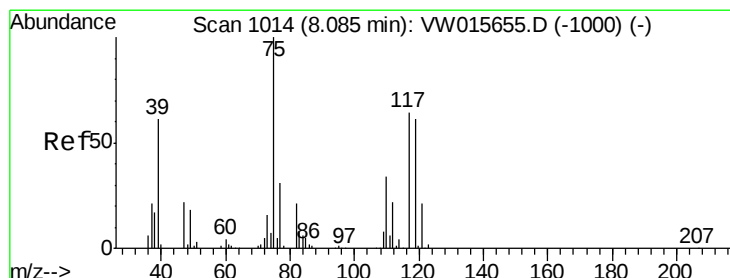
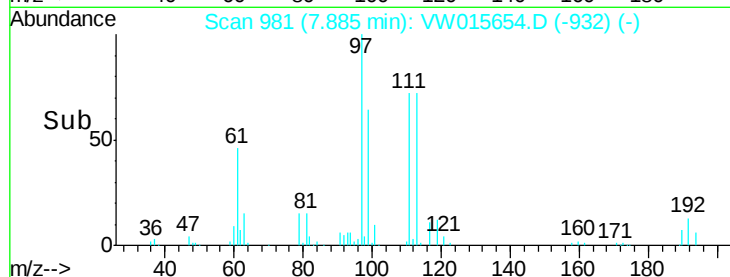
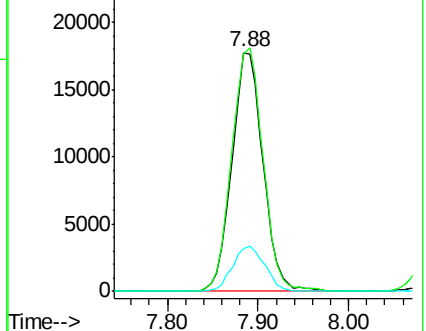
192 19.7 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.188 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

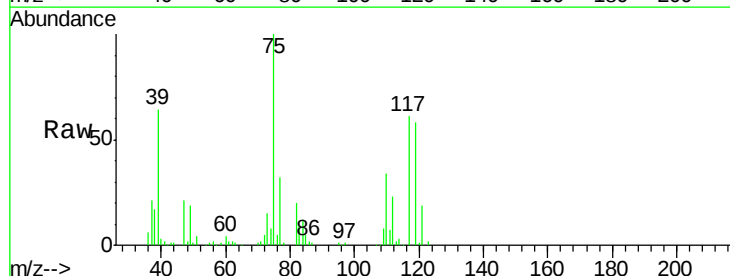
Tgt Ion: 75 Resp: 67091

Ion Ratio Lower Upper

75 100

110 34.4 17.0 51.0

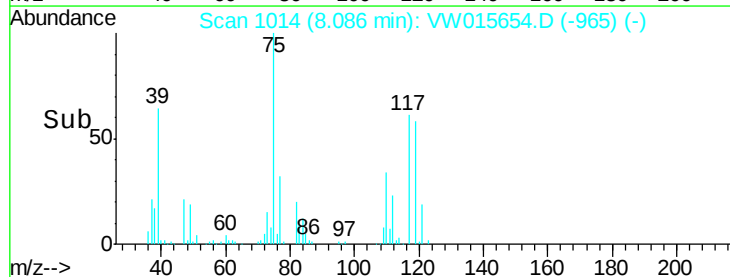
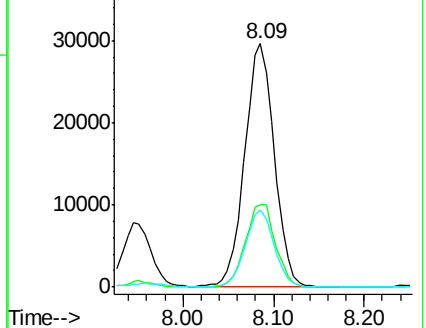
77 30.8 24.6 36.8

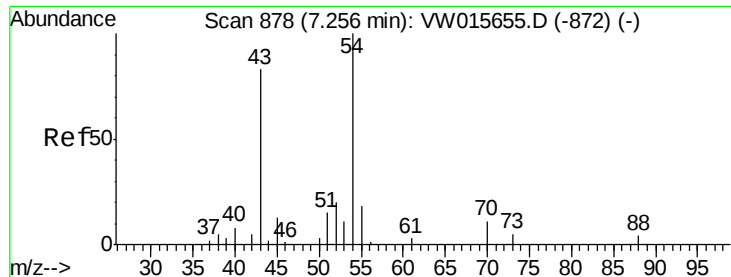


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

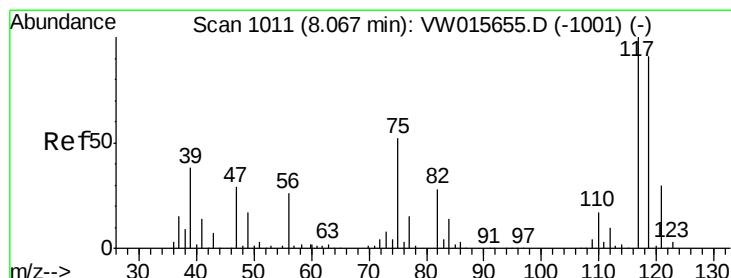
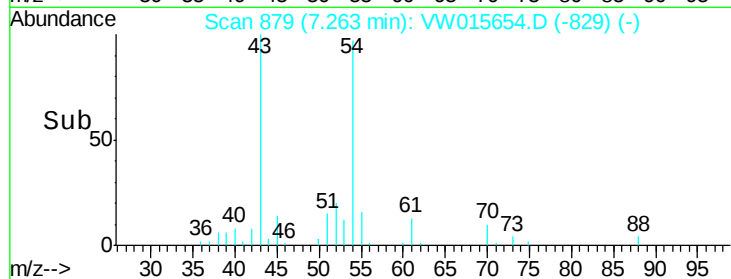
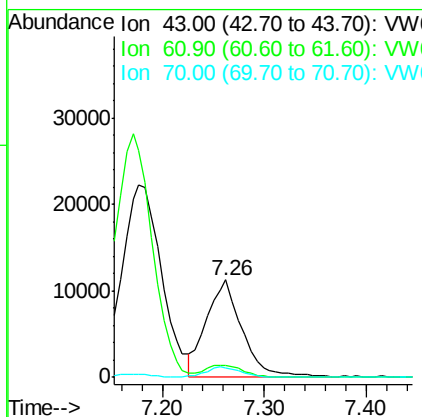
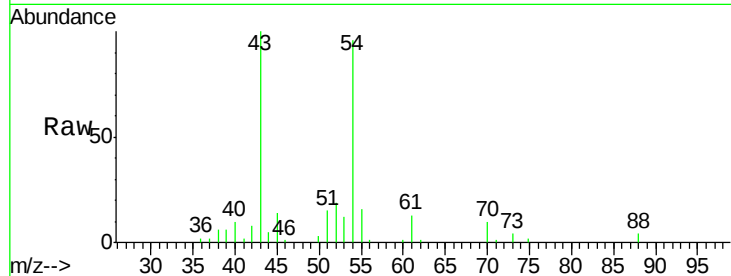




#37
Ethyl Acetate
Concen: 21.706 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

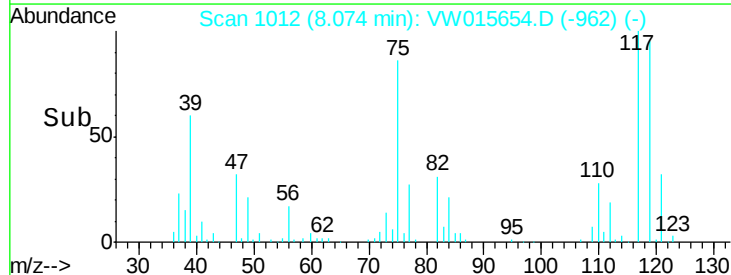
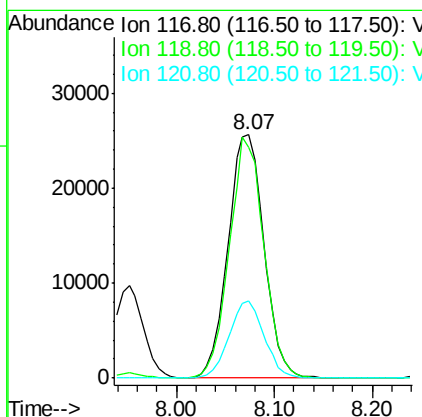
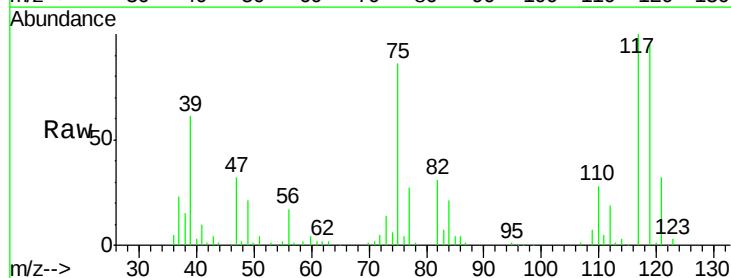
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

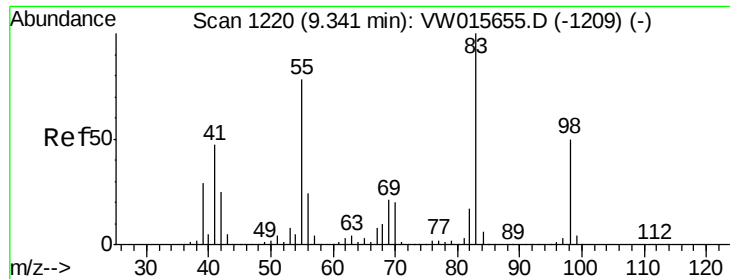
Tgt Ion: 43 Resp: 27183
Ion Ratio Lower Upper
43 100
61 13.4 10.4 15.6
70 10.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.191 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 117 Resp: 65357
Ion Ratio Lower Upper
117 100
119 94.7 73.2 109.8
121 31.8 23.9 35.9

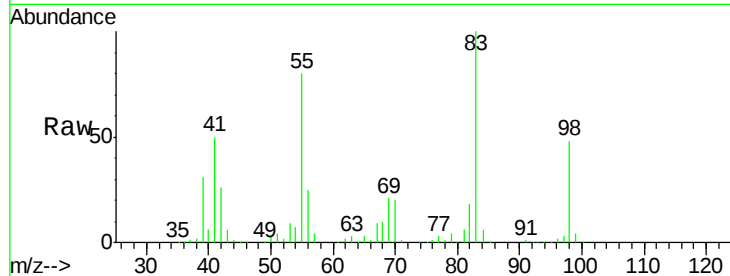




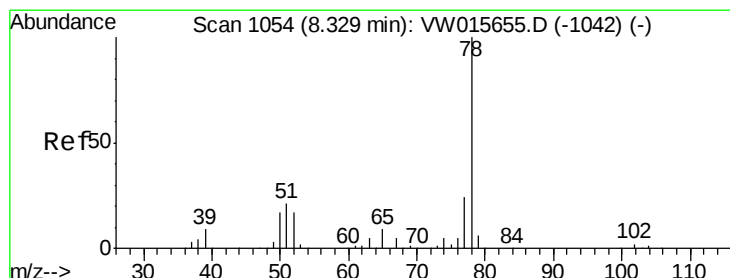
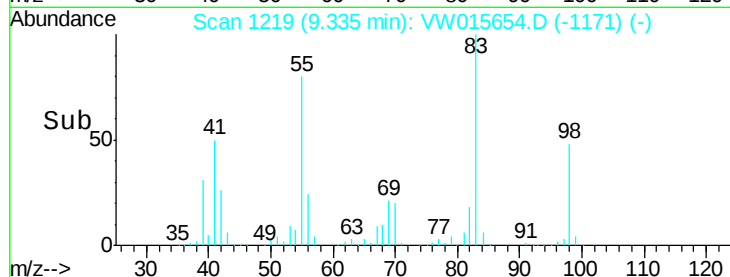
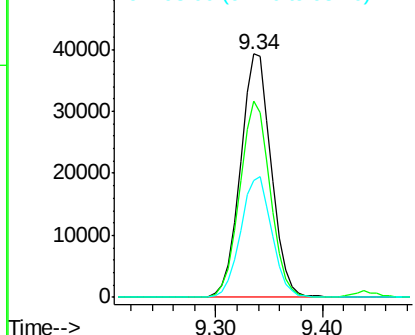
#39
Methylcyclohexane
Concen: 19.462 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 79715
Ion Ratio Lower Upper
83 100
55 80.5 62.8 94.2
98 48.0 39.9 59.9

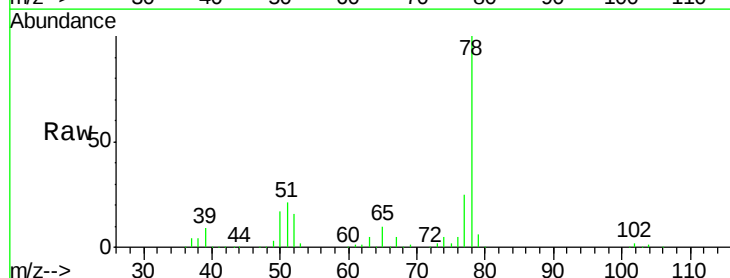


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

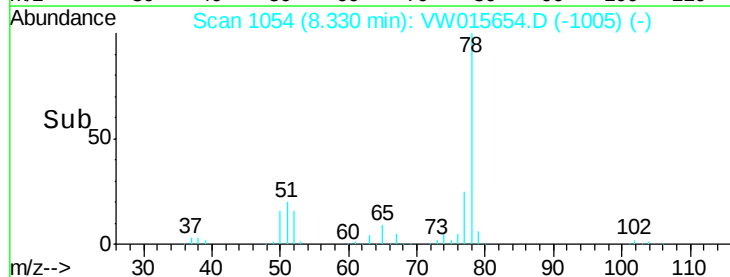
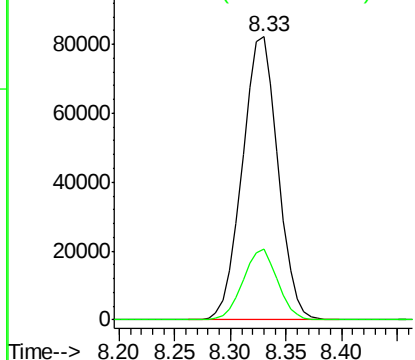


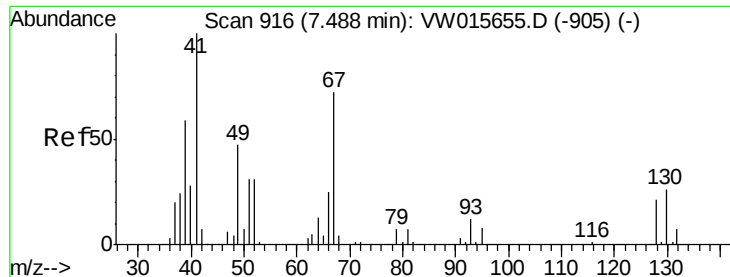
#40
Benzene
Concen: 20.471 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 78 Resp: 182940
Ion Ratio Lower Upper
78 100
77 25.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

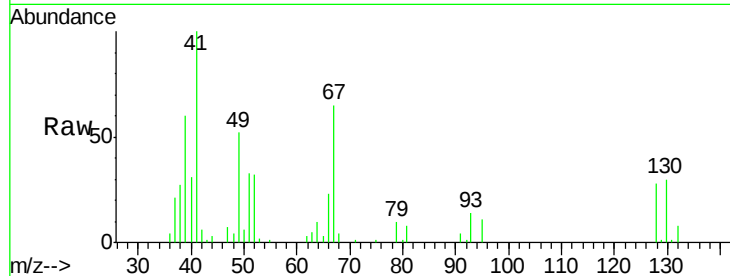




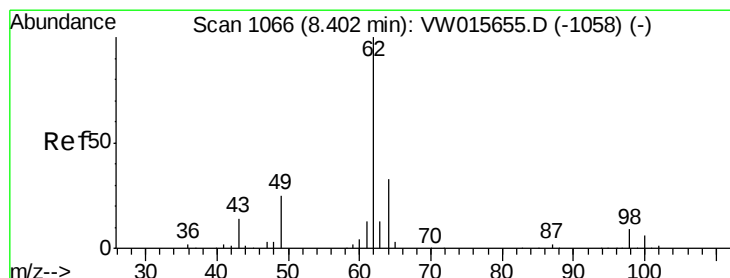
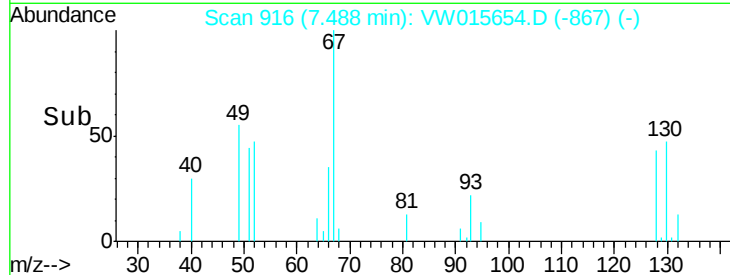
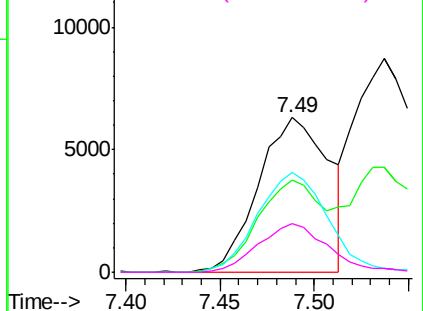
#41
Methacrylonitrile
Concen: 23.045 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	16341
Ion	Ratio	Lower	Upper
41	100		
39	53.3	52.0	78.0
67	64.4	57.5	86.3
52	31.4	26.5	39.7

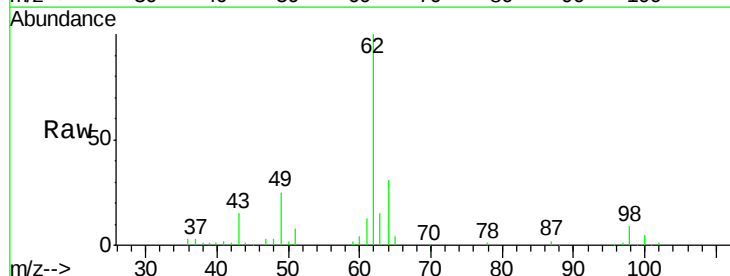


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

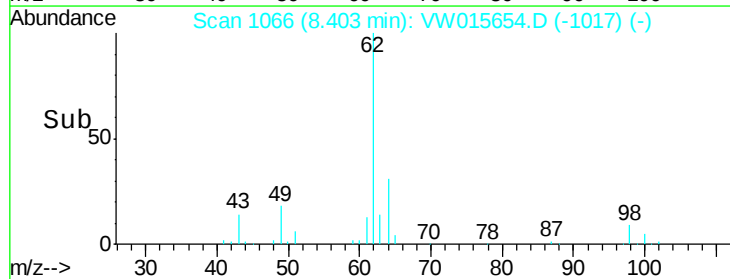
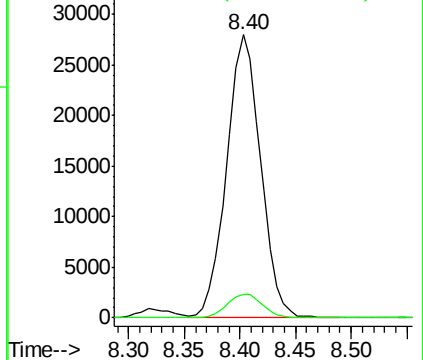


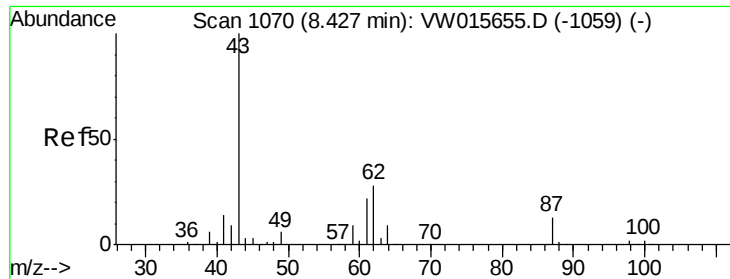
#42
1,2-Dichloroethane
Concen: 21.820 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion:	62	Resp:	59201
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 22.030 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

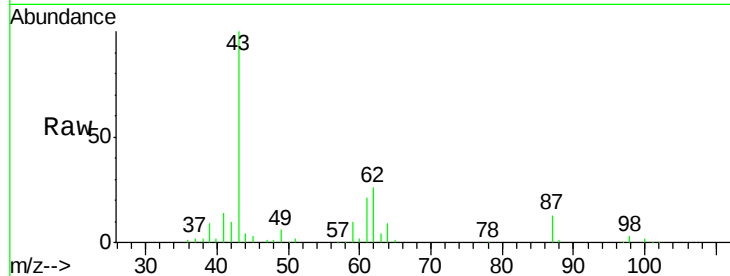
Tgt Ion: 43 Resp: 54741

Ion Ratio Lower Upper

43 100

61 30.2 24.7 37.1

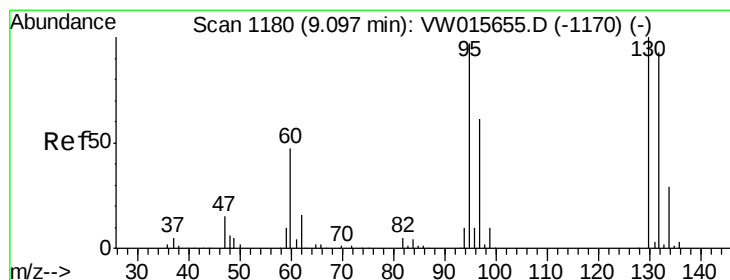
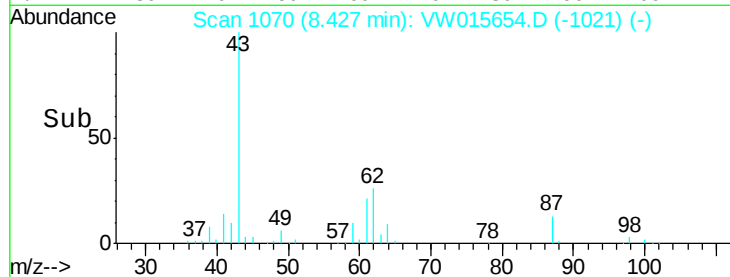
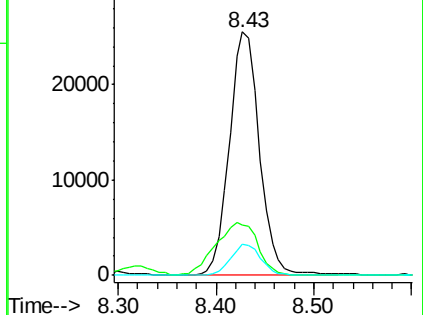
87 12.5 10.2 15.2



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: 20.817 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW015654.D

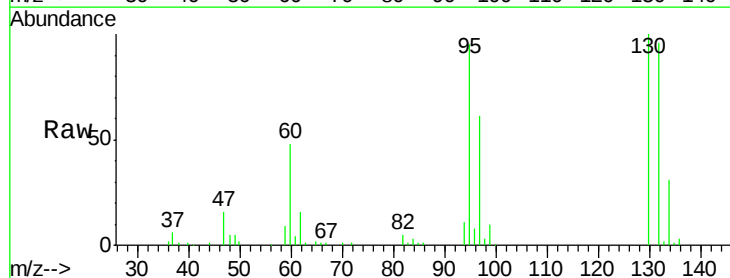
Acq: 23 Jun 2020 11:40

Tgt Ion: 130 Resp: 49825

Ion Ratio Lower Upper

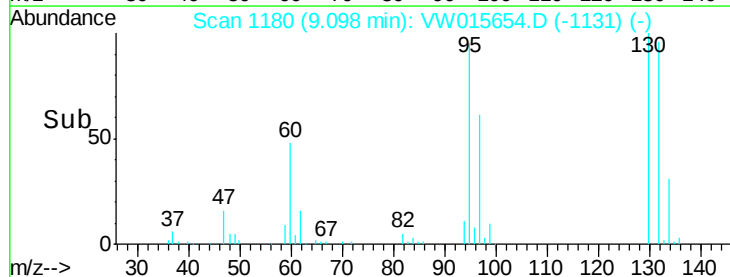
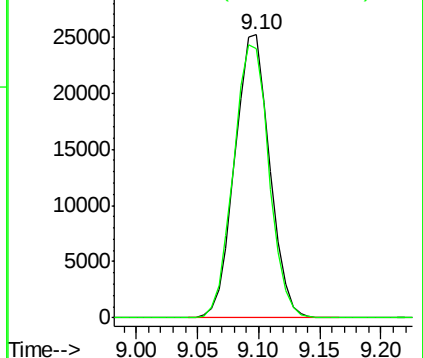
130 100

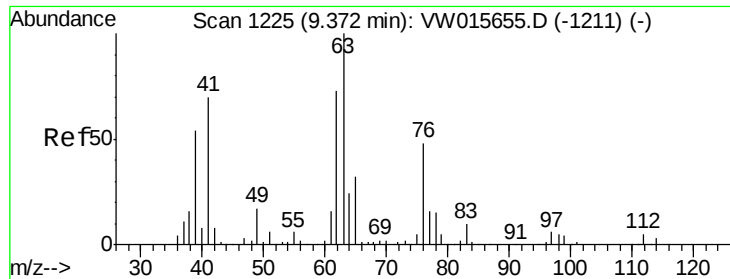
95 95.2 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

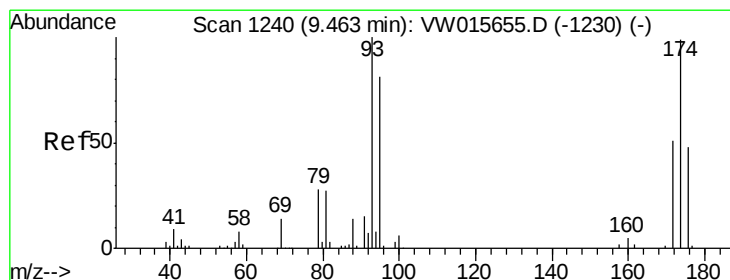
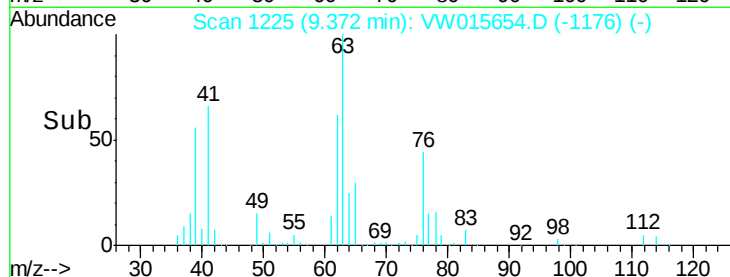
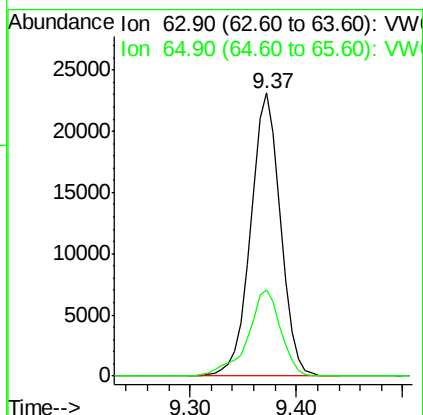
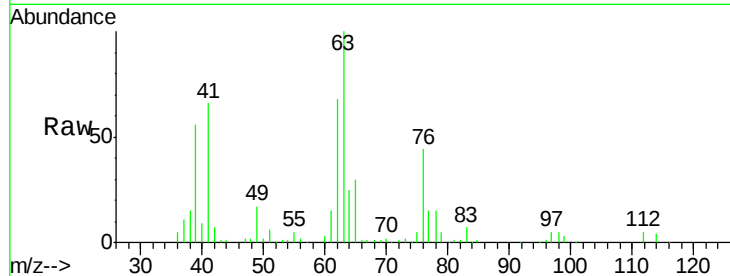




#45
 1,2-Dichloropropane
 Concen: 20.924 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

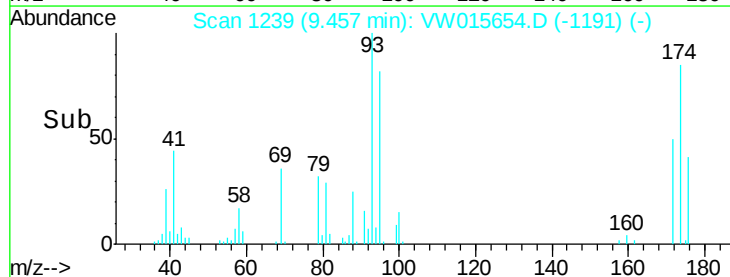
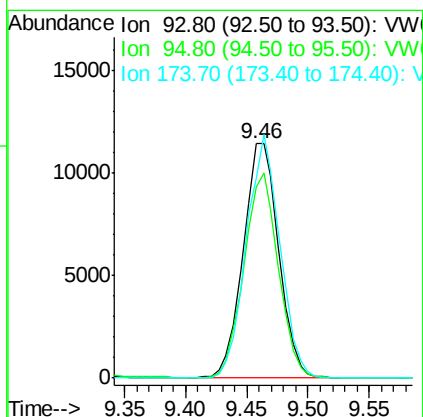
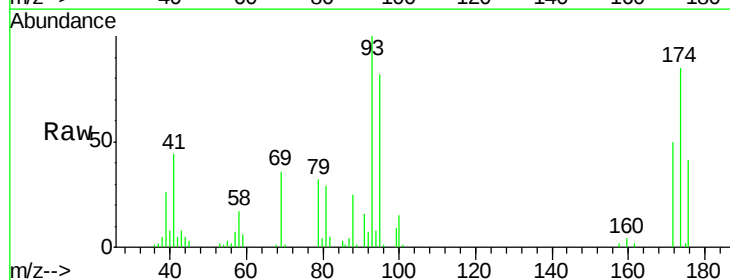
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

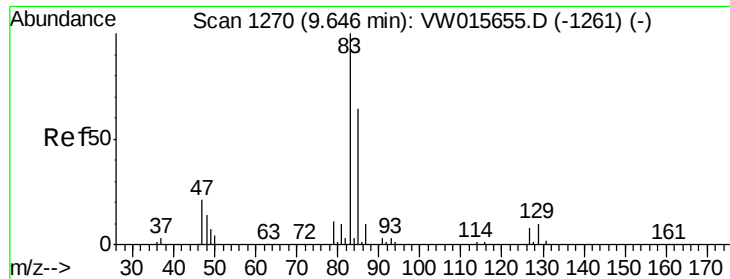
Tgt Ion: 63 Resp: 45403
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.3 37.9



#46
 Dibromomethane
 Concen: 21.049 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion: 93 Resp: 23167
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.7 98.5
 174 97.8 79.0 118.6

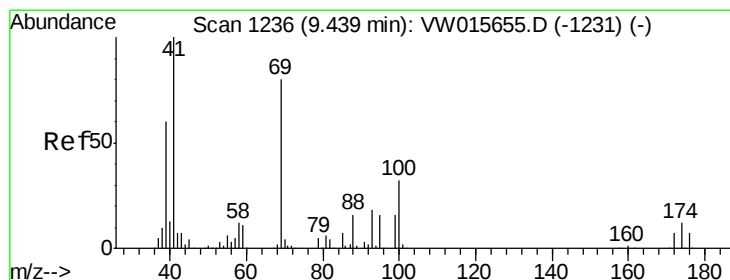
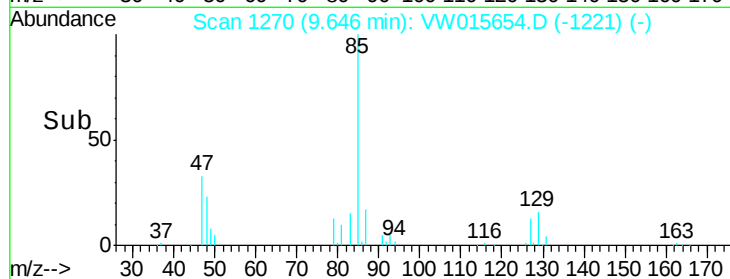
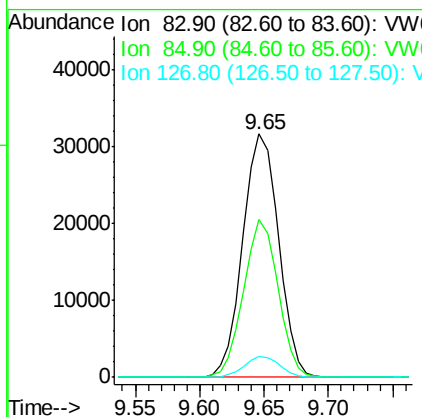
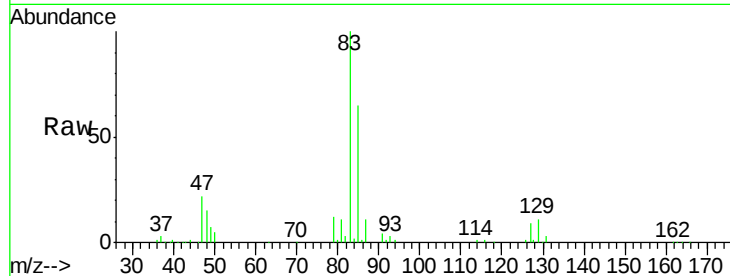




#47
Bromodichloromethane
Concen: 20.446 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

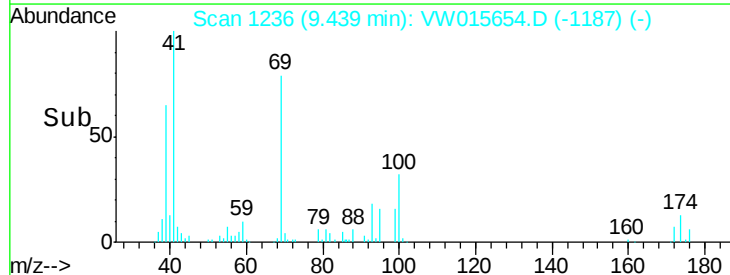
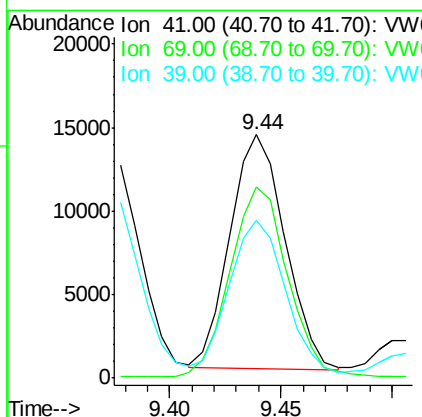
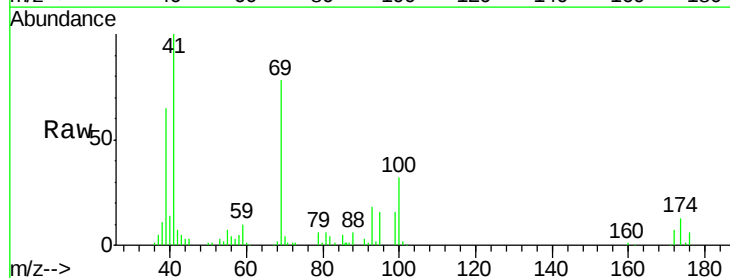
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

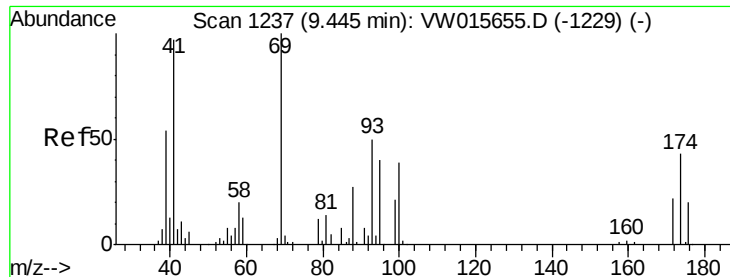
Tgt Ion: 83 Resp: 61015
Ion Ratio Lower Upper
83 100
85 64.9 50.8 76.2
127 8.6 6.3 9.5



#48
Methyl methacrylate
Concen: 21.170 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 41 Resp: 24112
Ion Ratio Lower Upper
41 100
69 86.8 68.2 102.2
39 65.2 49.8 74.6

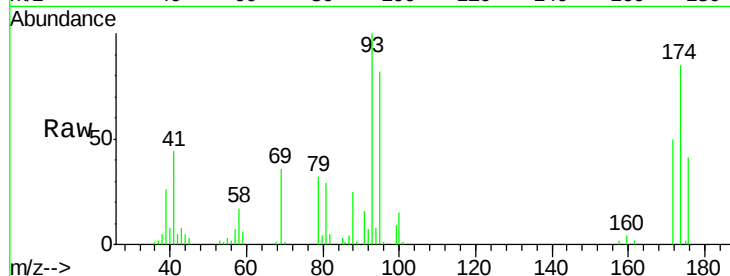




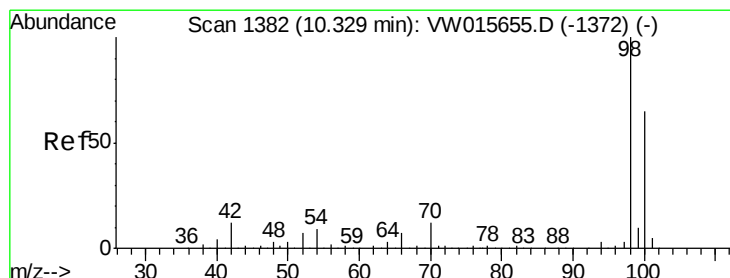
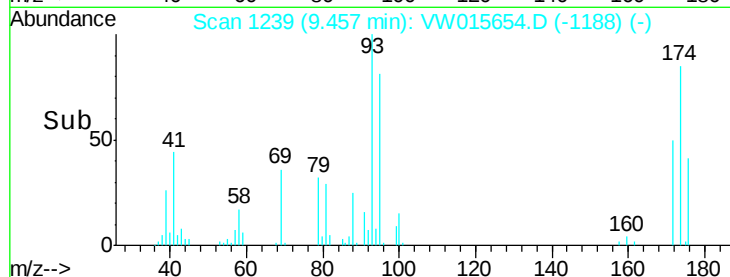
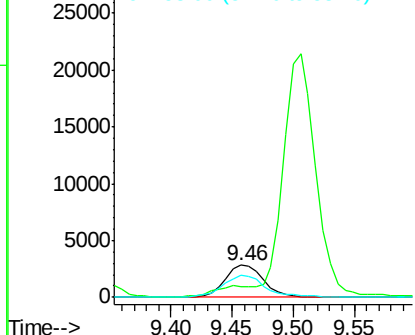
#49
1,4-Dioxane
Concen: 419.720 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 6084
Ion Ratio Lower Upper
88 100
43 33.3 30.1 45.1
58 75.3 56.1 84.1

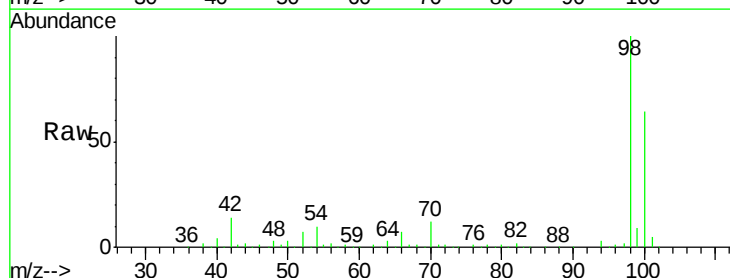


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

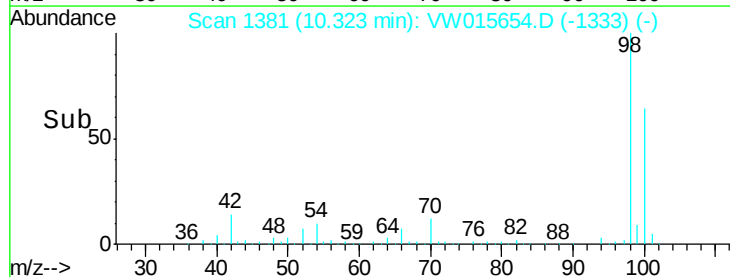
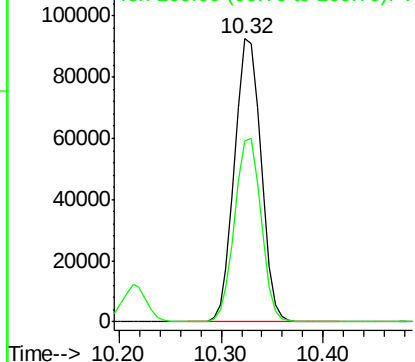


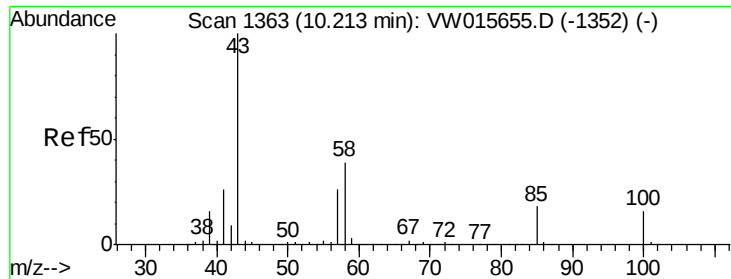
#50
Toluene-d8
Concen: 21.408 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 98 Resp: 167052
Ion Ratio Lower Upper
98 100
100 64.5 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: 112.104 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

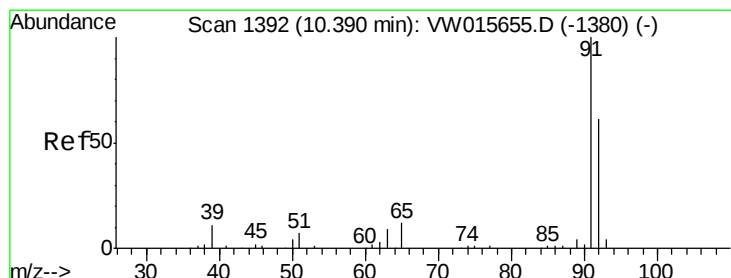
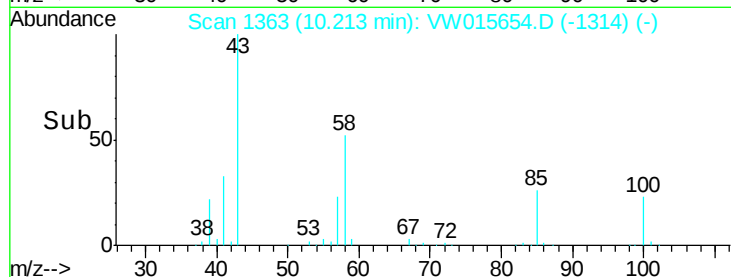
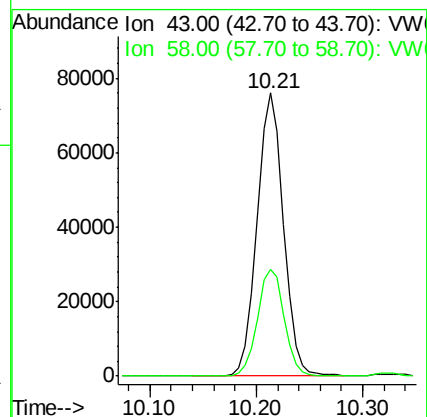
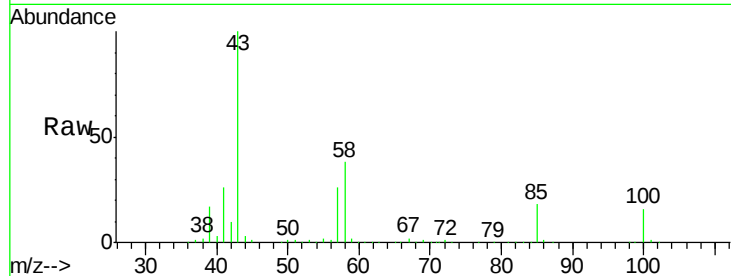
VSTDIC020

Tgt Ion: 43 Resp: 132419

Ion Ratio Lower Upper

43 100

58 38.1 31.2 46.8



#52

Toluene

Concen: 20.480 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015654.D

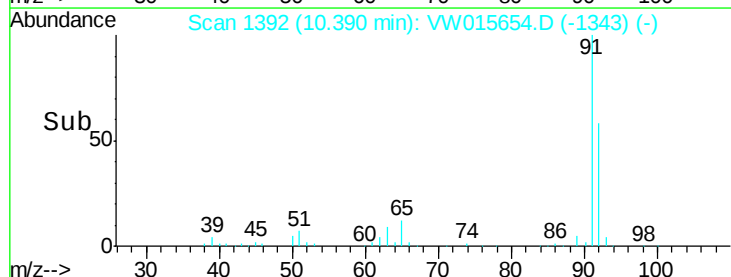
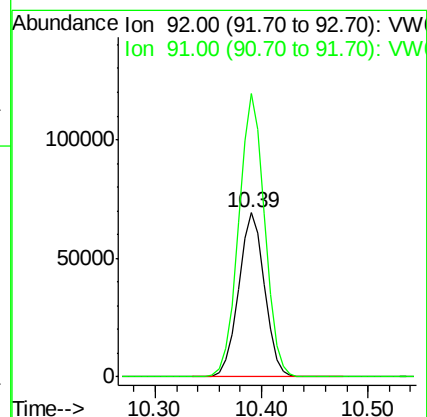
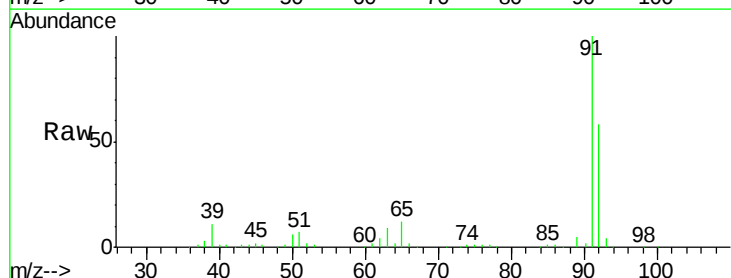
Acq: 23 Jun 2020 11:40

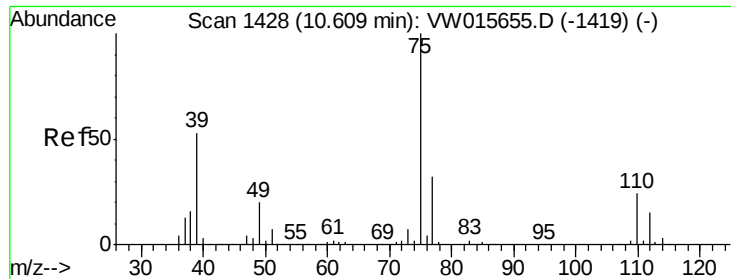
Tgt Ion: 92 Resp: 118172

Ion Ratio Lower Upper

92 100

91 172.4 135.5 203.3

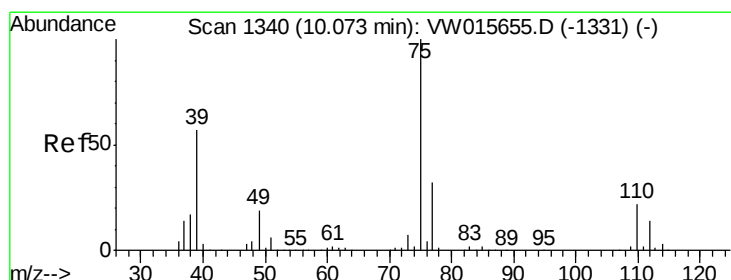
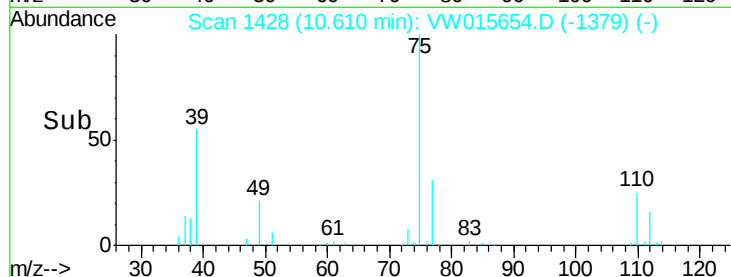
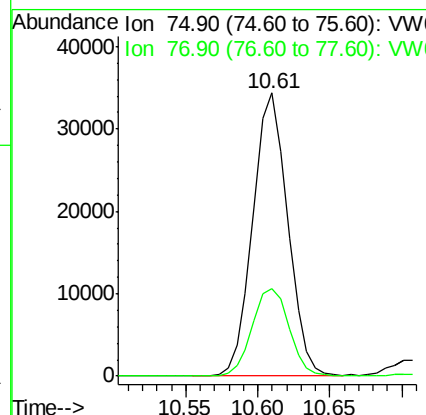
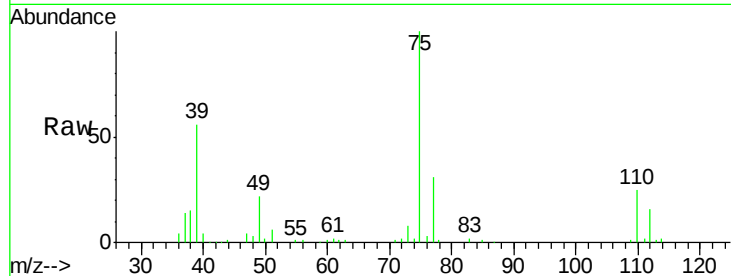




#53
 t-1,3-Dichloropropene
 Concen: 19.728 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

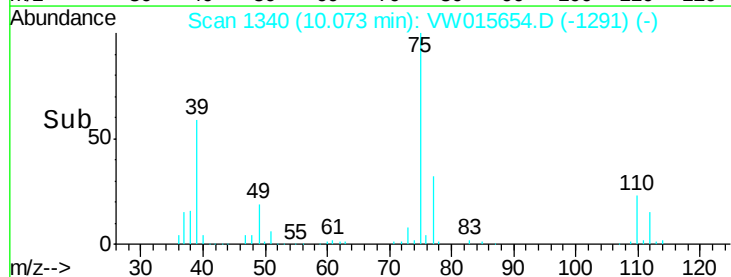
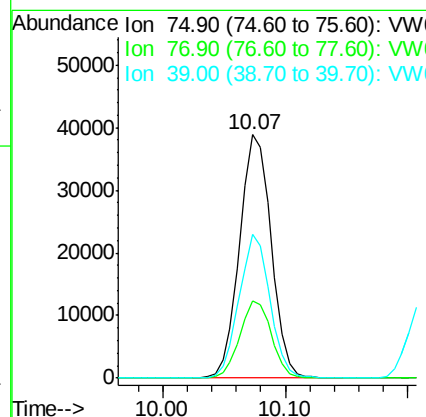
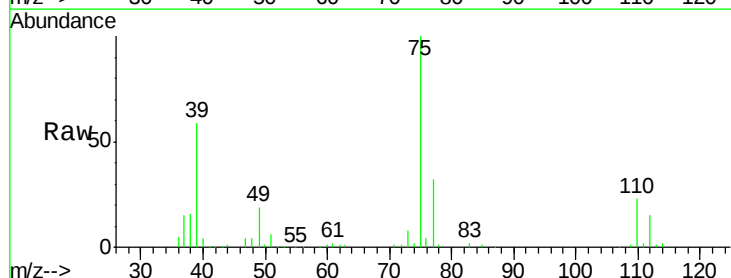
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

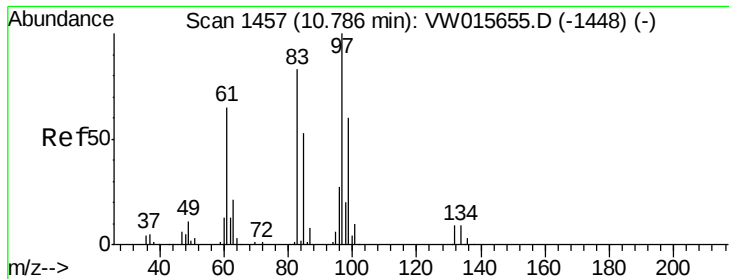
Tgt Ion: 75 Resp: 57564
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 20.098 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion: 75 Resp: 69654
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2
 39 58.8 45.8 68.6

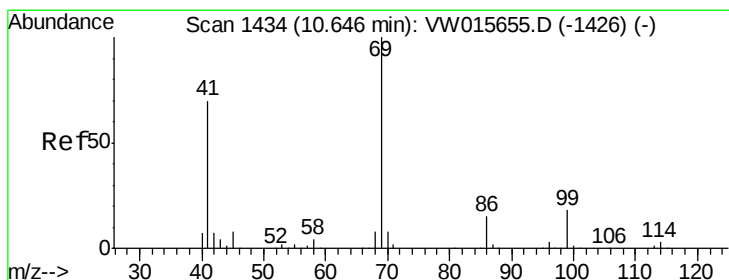
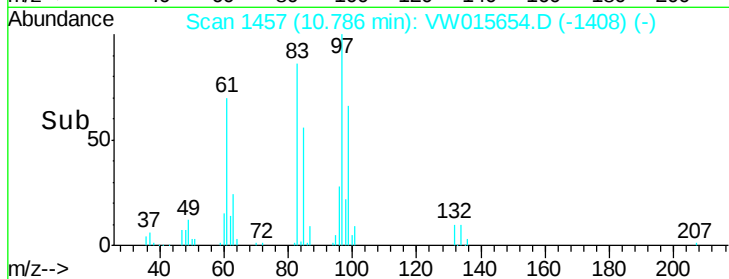
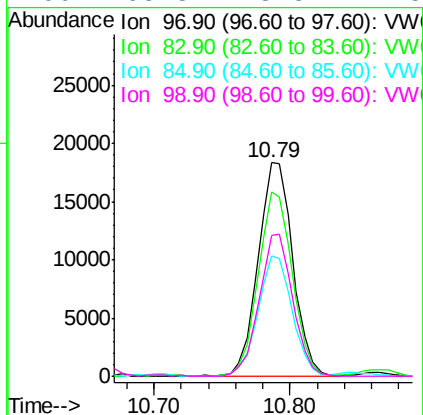
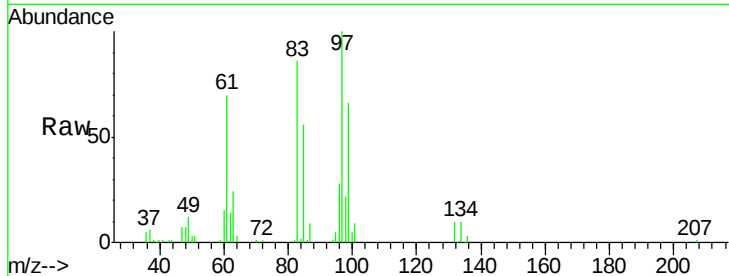




#55
 1,1,2-Trichloroethane
 Concen: 21.376 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

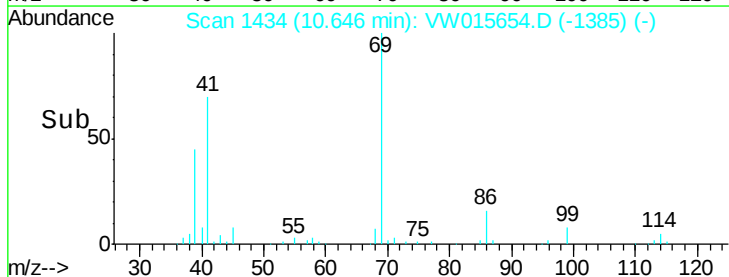
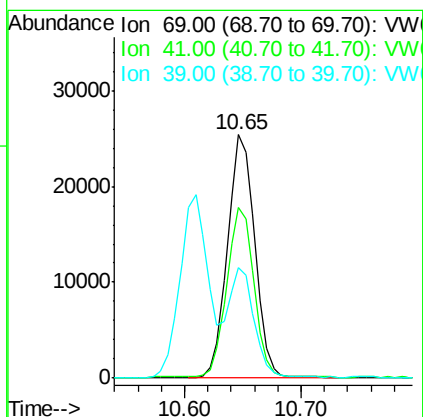
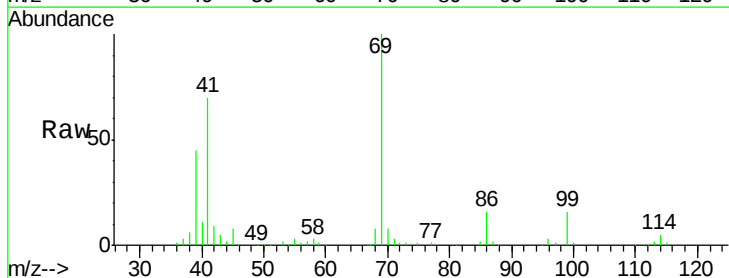
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

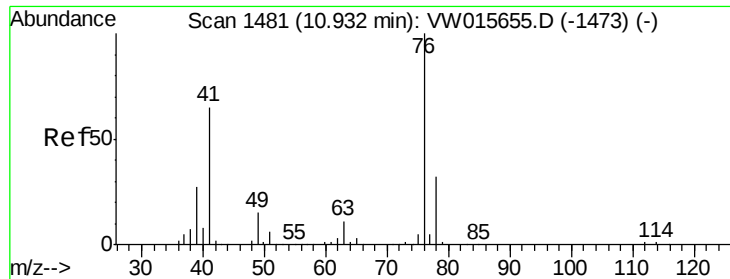
Tgt Ion:	97	Resp:	32832
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.3	99.5
85	56.1	42.5	63.7
99	65.8	48.3	72.5



#56
 Ethyl methacrylate
 Concen: 21.019 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion:	69	Resp:	41664
Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.8	83.6
39	43.7	29.5	44.3

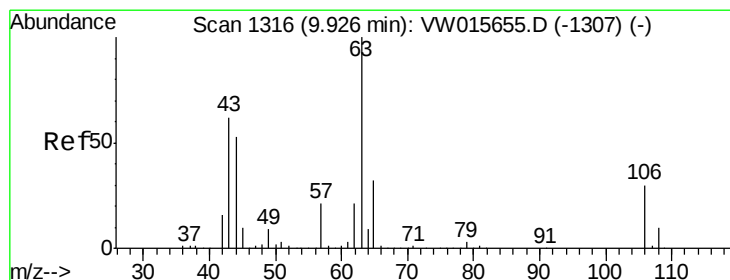
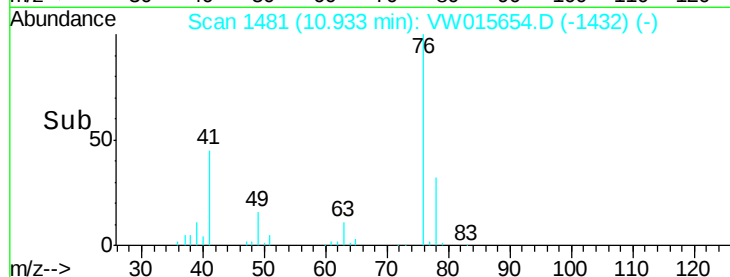
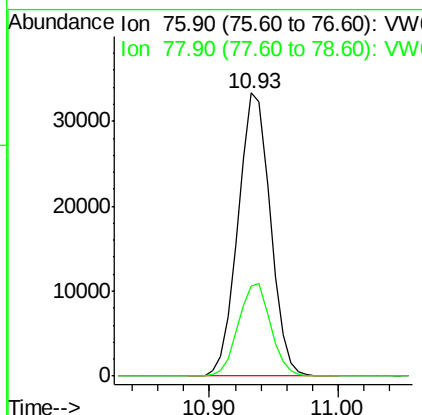
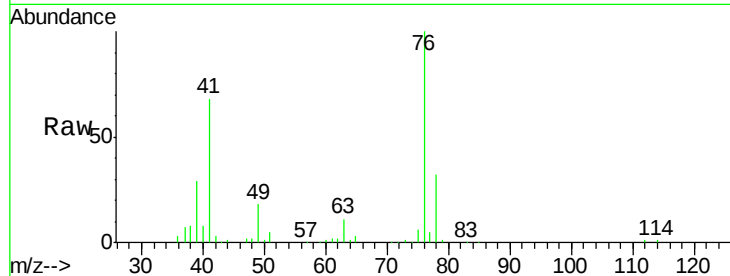




#57
 1,3-Dichloropropane
 Concen: 21.295 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

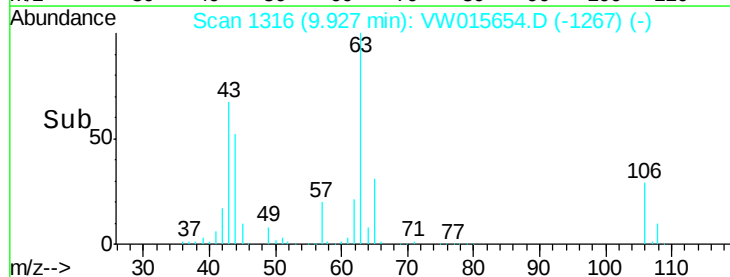
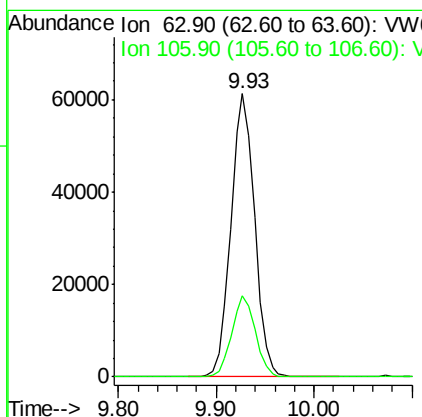
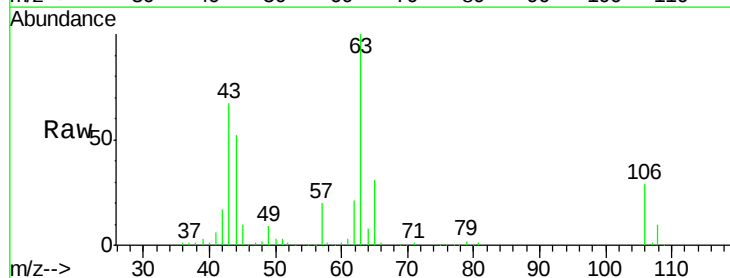
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

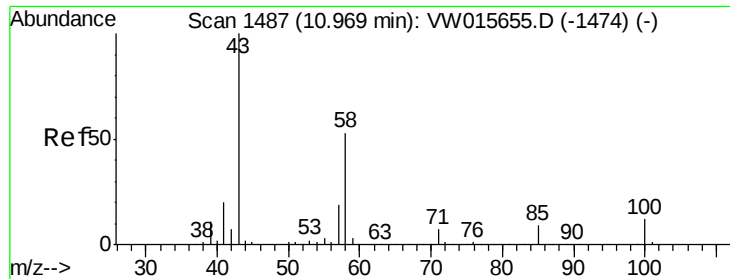
Tgt Ion: 76 Resp: 57954
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.762 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion: 63 Resp: 103086
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.3 34.9

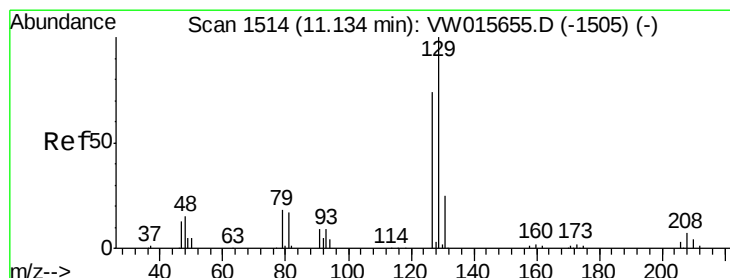
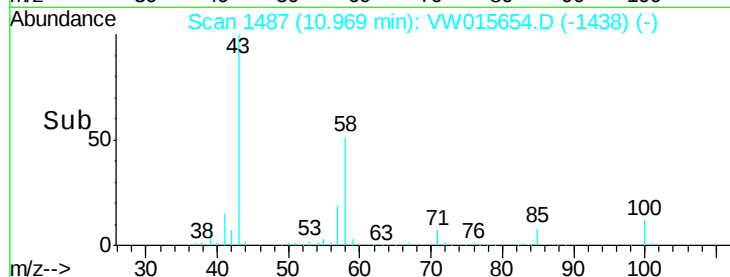
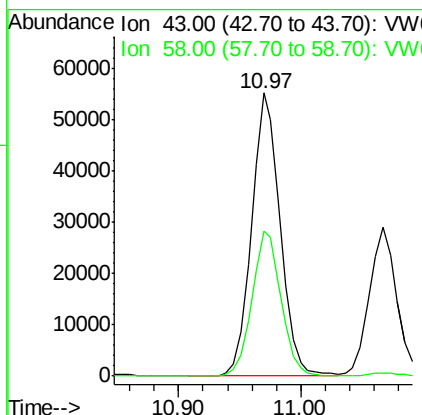
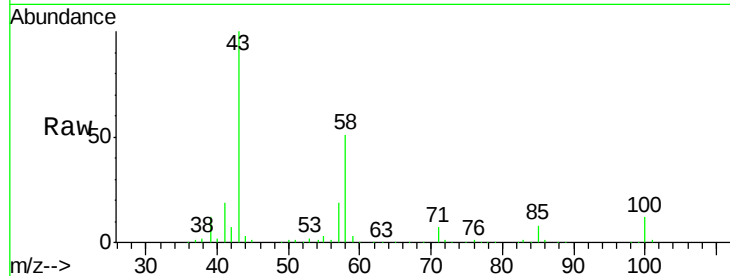




#59
2-Hexanone
Concen: 110.426 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

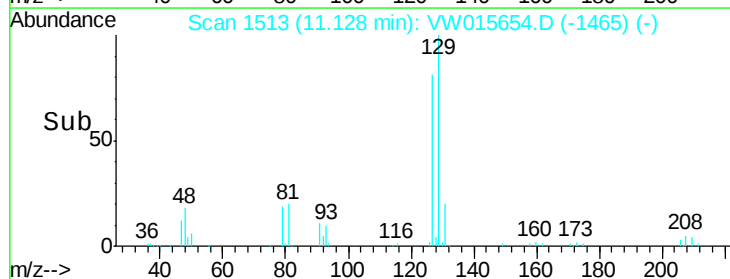
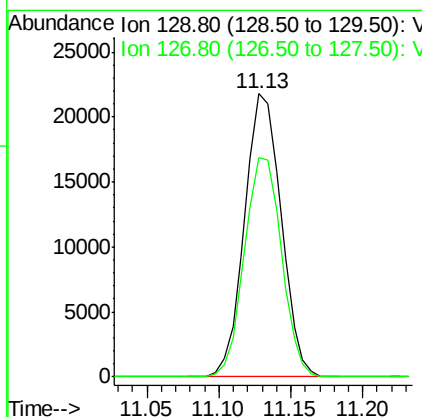
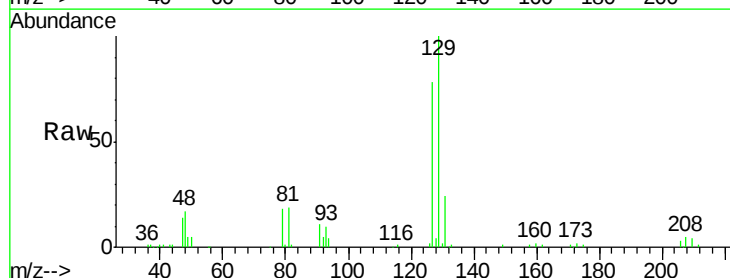
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

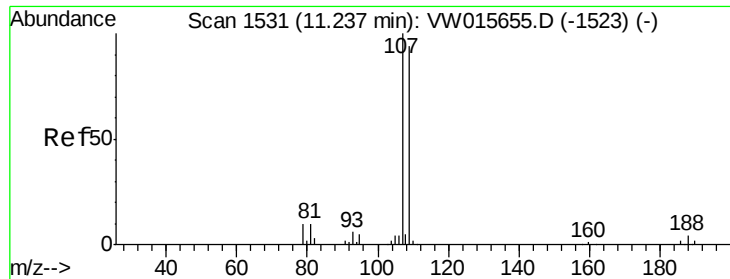
Tgt Ion: 43 Resp: 89666
Ion Ratio Lower Upper
43 100
58 52.5 26.5 79.4



#60
Dibromochloromethane
Concen: 20.531 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 129 Resp: 38367
Ion Ratio Lower Upper
129 100
127 78.4 38.0 114.1





#61

1,2-Dibromoethane

Concen: 21.881 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

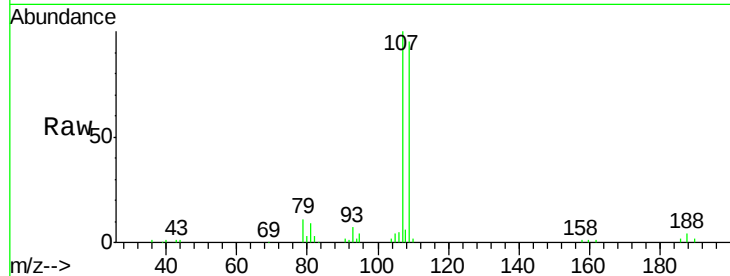
VSTDIC020

Tgt Ion: 107 Resp: 32120

Ion Ratio Lower Upper

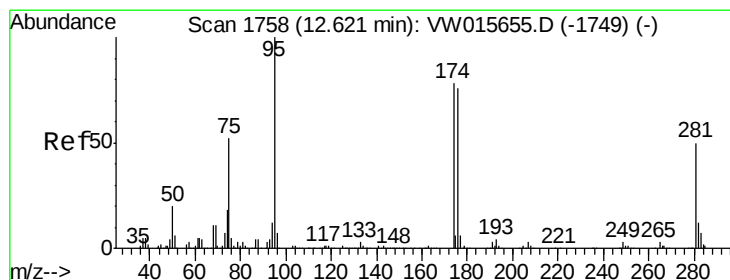
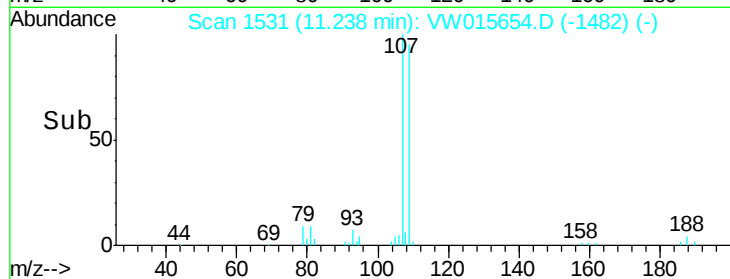
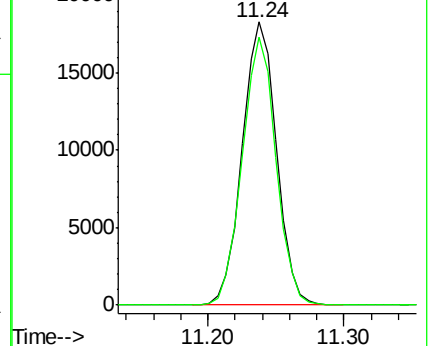
107 100

109 93.2 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 22.070 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

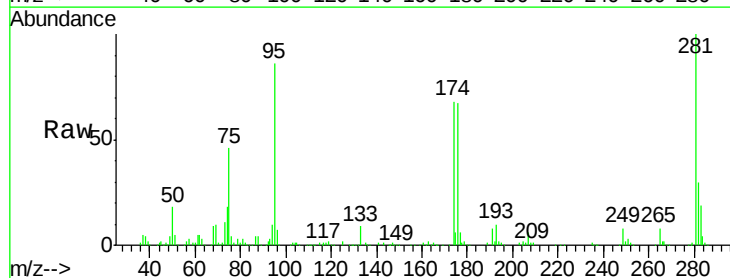
Tgt Ion: 95 Resp: 62466

Ion Ratio Lower Upper

95 100

174 76.4 0.0 157.0

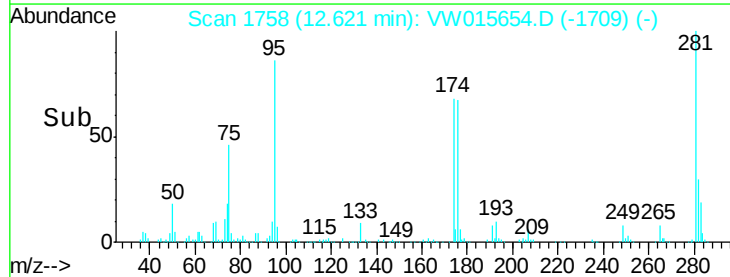
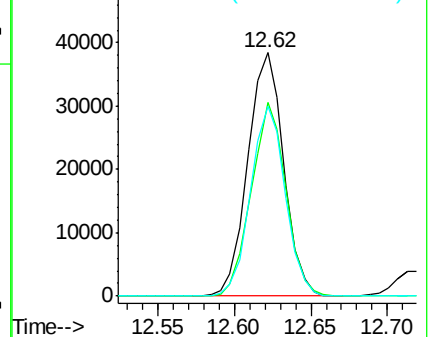
176 75.7 0.0 151.4

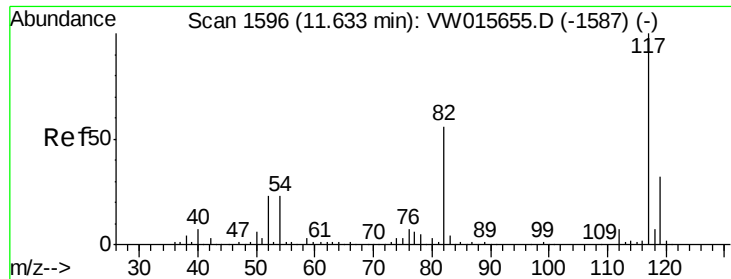


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

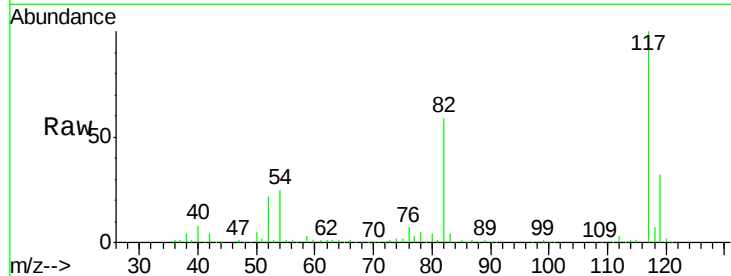




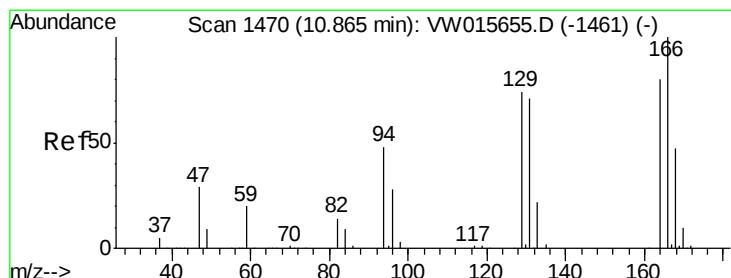
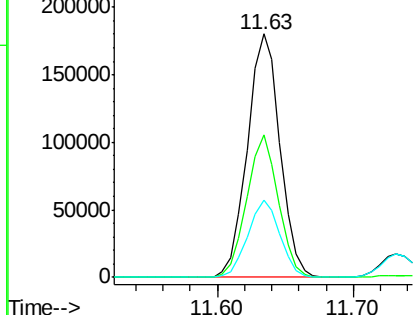
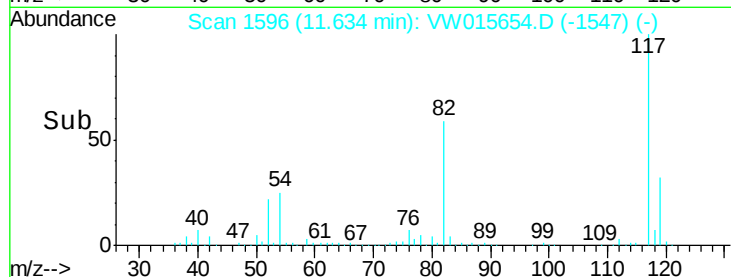
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 301895
Ion Ratio Lower Upper
117 100
82 58.8 45.1 67.7
119 31.7 25.8 38.8

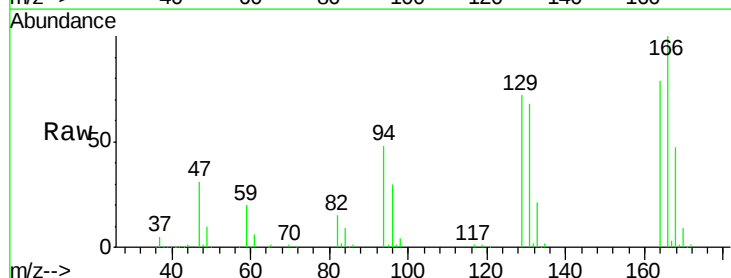


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

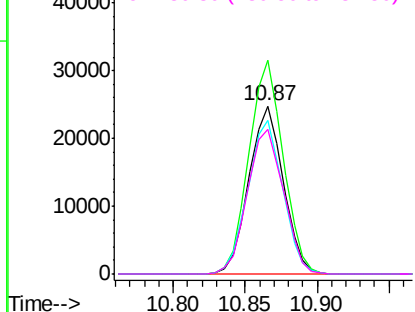
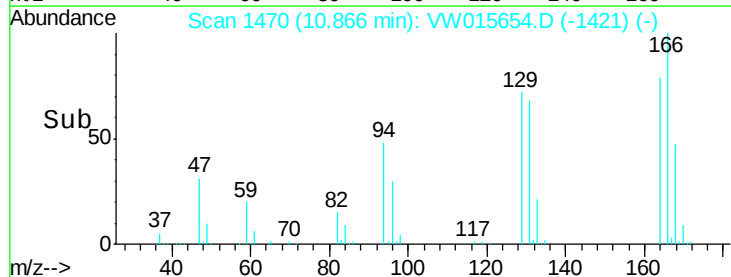


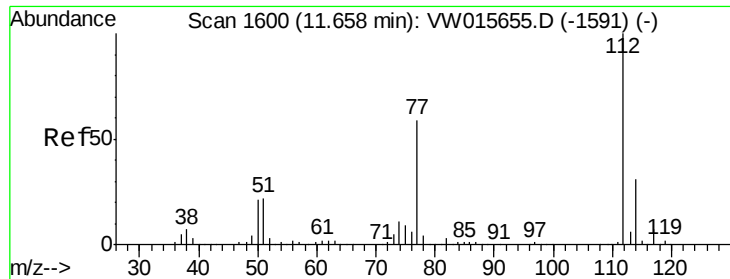
#64
Tetrachloroethene
Concen: 19.876 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion:164 Resp: 40911
Ion Ratio Lower Upper
164 100
166 127.0 99.9 149.9
129 91.4 74.2 111.2
131 85.8 71.4 107.0



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

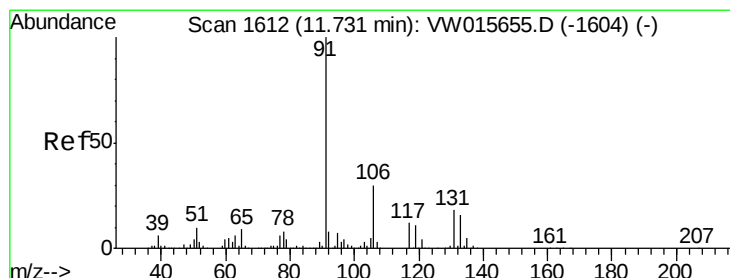
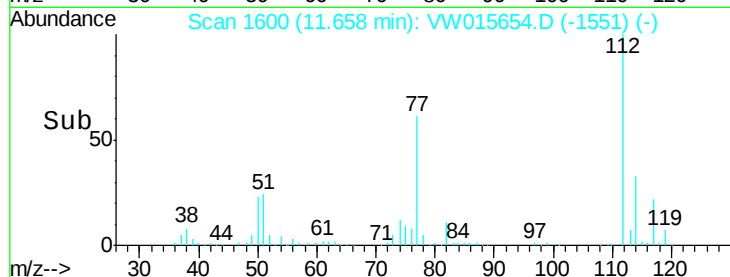
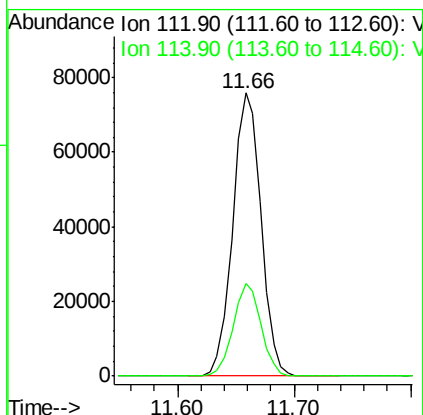
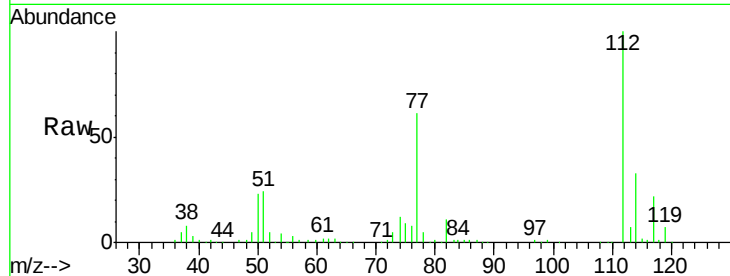




#65
Chlorobenzene
Concen: 20.691 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

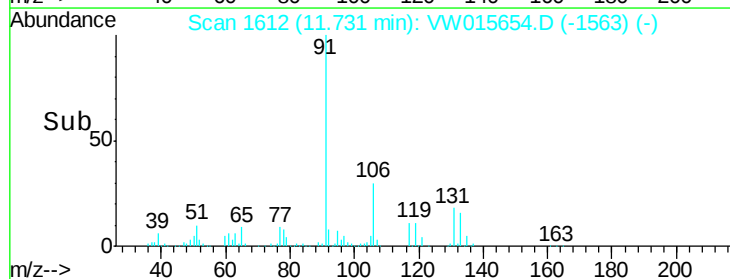
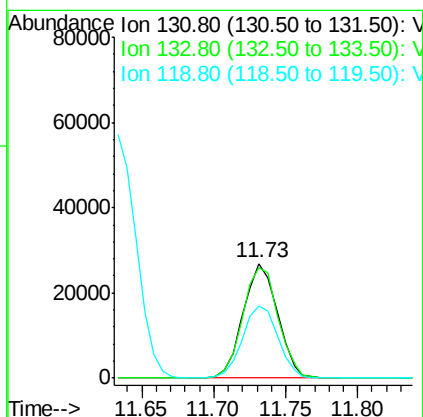
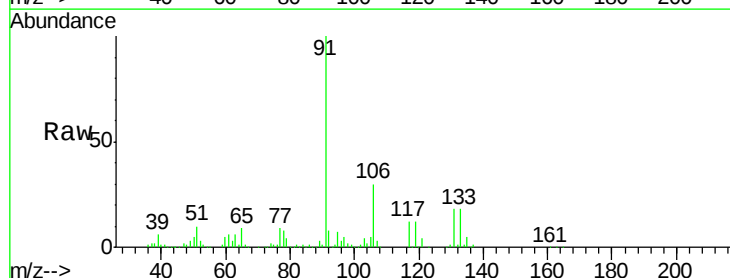
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

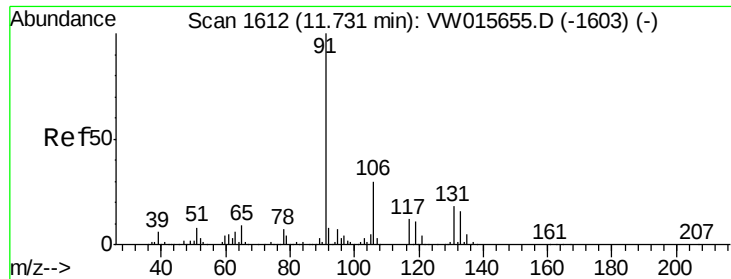
Tgt Ion:112 Resp: 128268
Ion Ratio Lower Upper
112 100
114 32.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.146 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion:131 Resp: 44532
Ion Ratio Lower Upper
131 100
133 99.2 46.5 139.5
119 65.3 32.5 97.5

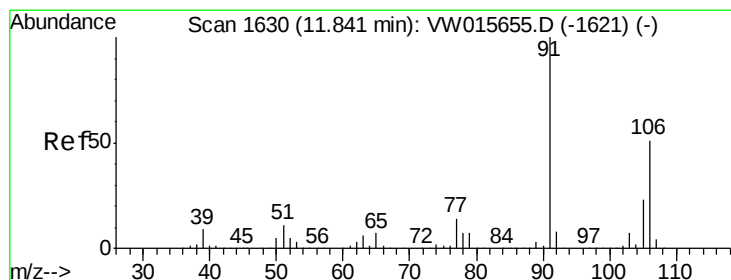
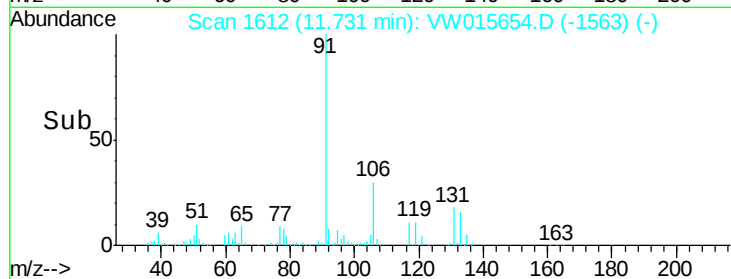
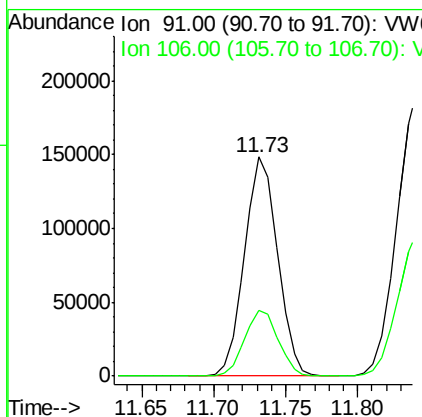
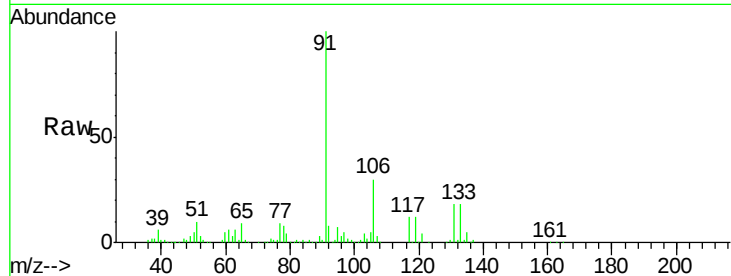




#67
Ethyl Benzene
Concen: 20.298 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

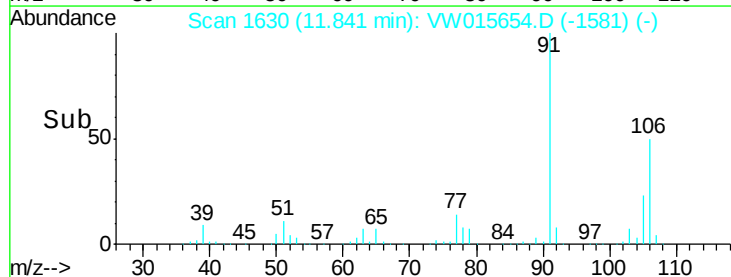
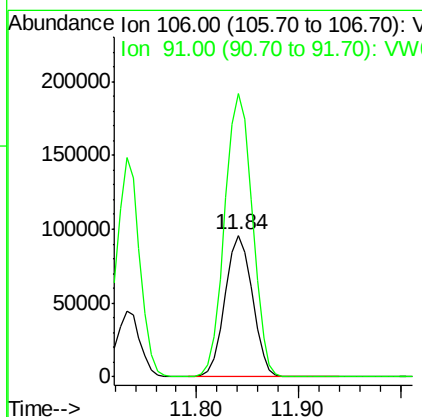
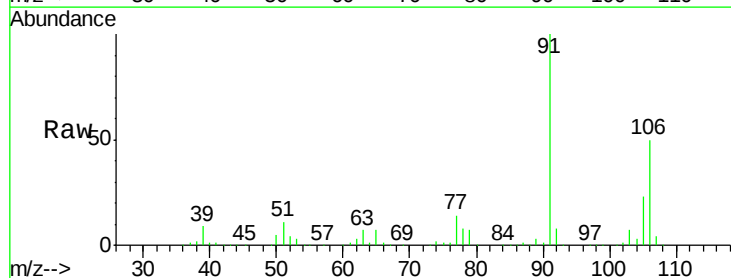
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 236958
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1



#68
m/p-Xylenes
Concen: 40.822 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 106 Resp: 177931
Ion Ratio Lower Upper
106 100
91 202.8 162.6 244.0

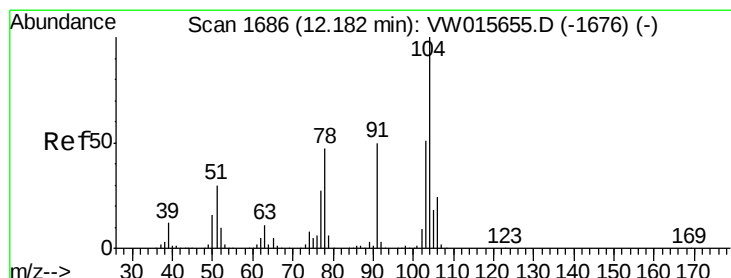
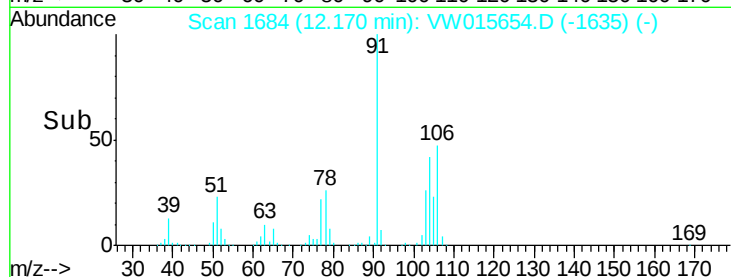
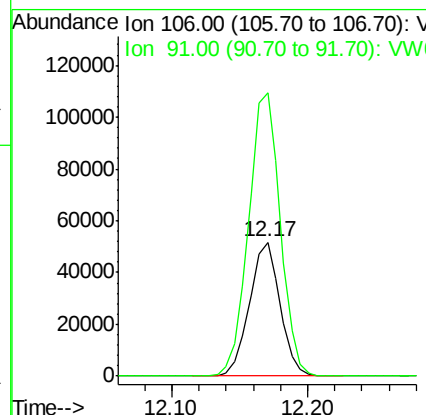
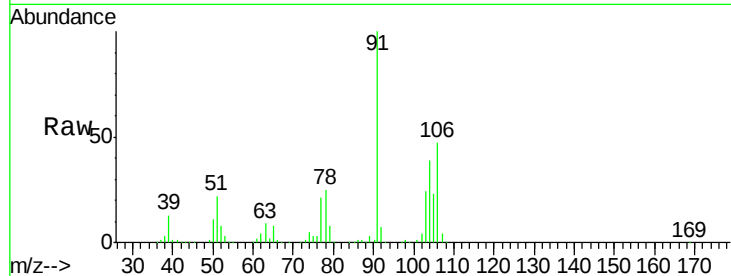




#69
o-Xylene
Concen: 20.091 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

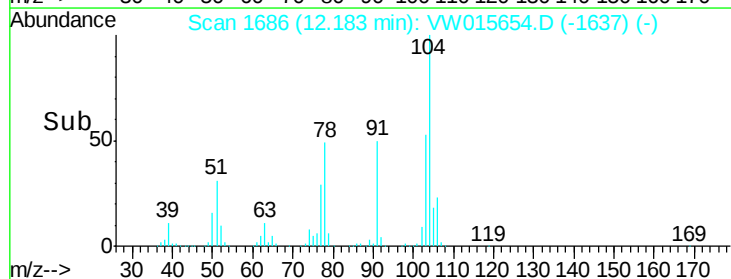
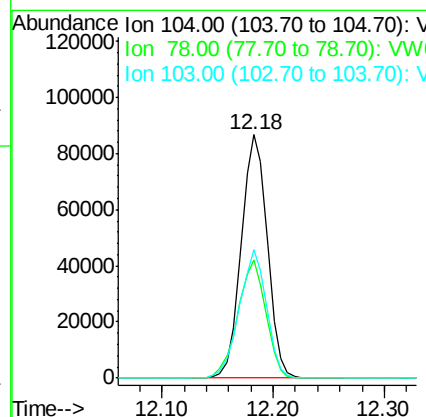
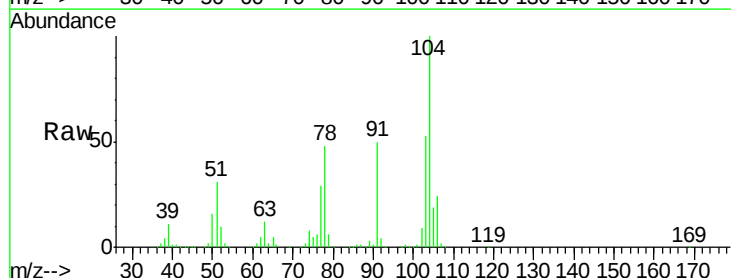
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

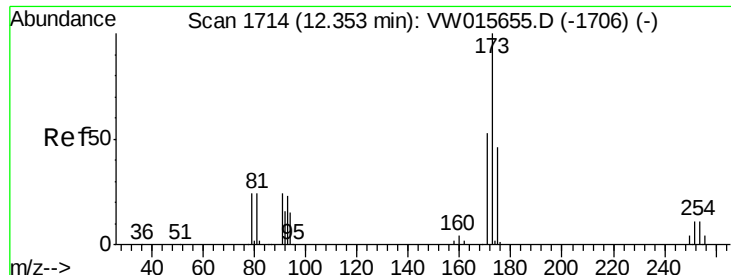
Tgt Ion:106 Resp: 81290
Ion Ratio Lower Upper
106 100
91 219.7 108.3 324.9



#70
Styrene
Concen: 20.329 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion:104 Resp: 140486
Ion Ratio Lower Upper
104 100
78 52.2 40.9 61.3
103 55.0 43.1 64.7





#71

Bromoform

Concen: 19.899 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

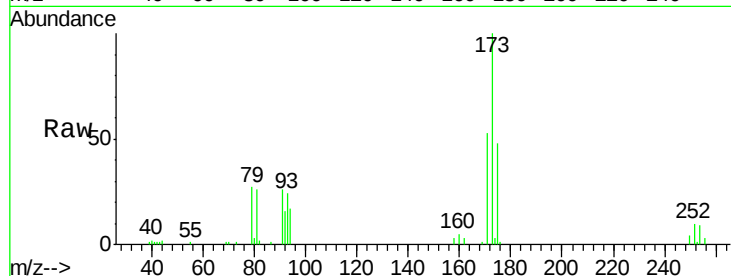
Tgt Ion:173 Resp: 20779

Ion Ratio Lower Upper

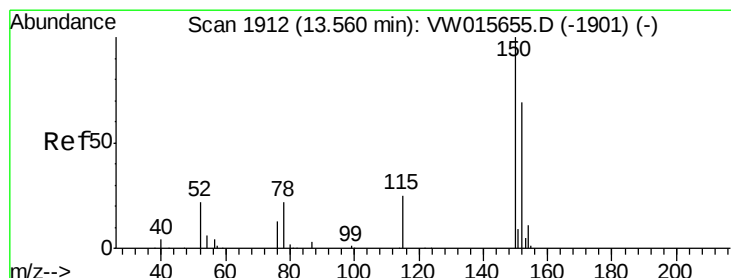
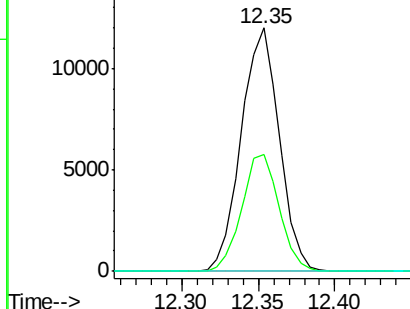
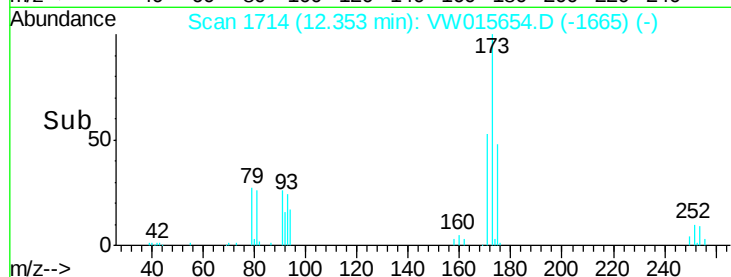
173 100

175 46.9 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: VW015654.D

Acq: 23 Jun 2020 11:40

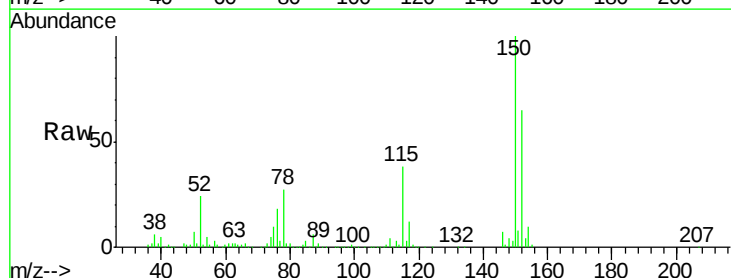
Tgt Ion:152 Resp: 155107

Ion Ratio Lower Upper

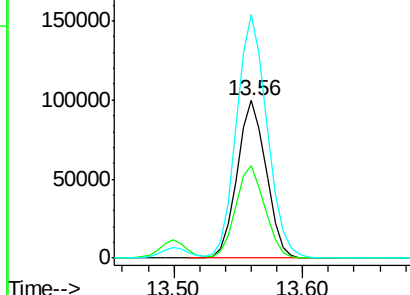
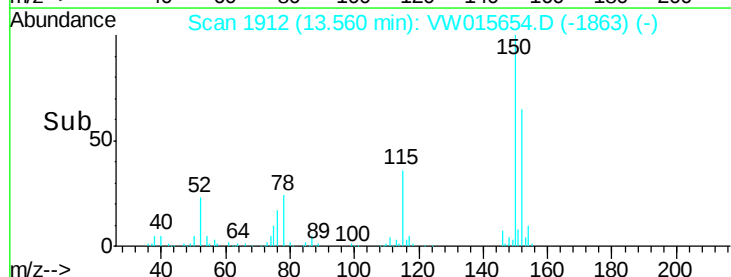
152 100

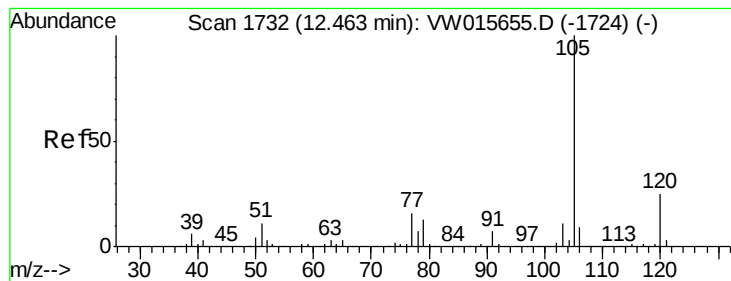
115 58.8 30.1 90.5

150 162.7 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: 19.309 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

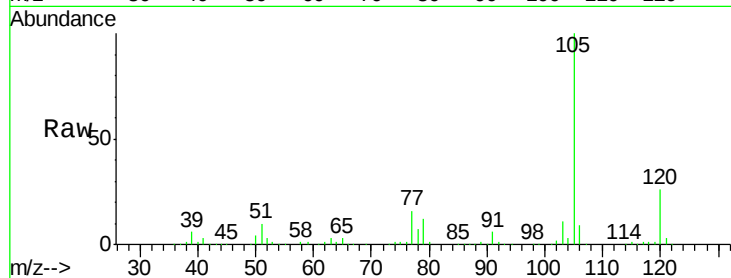
VSTDIC020

Tgt Ion: 105 Resp: 229560

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

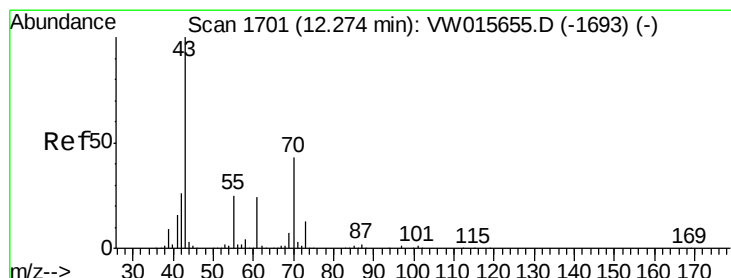
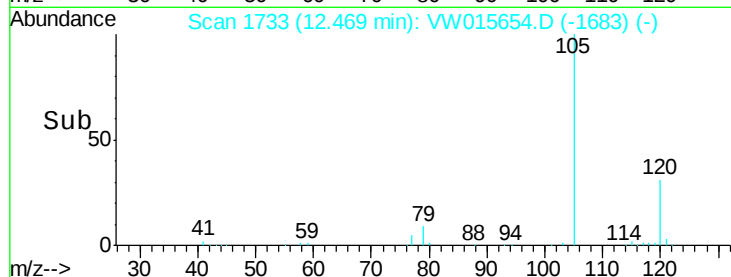
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 20.477 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Tgt Ion: 43 Resp: 51108

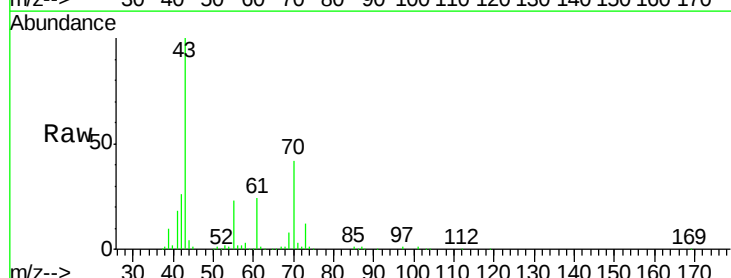
Ion Ratio Lower Upper

43 100

70 41.8 33.6 50.4

55 24.2 19.7 29.5

61 23.4 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

50000

40000

30000

20000

10000

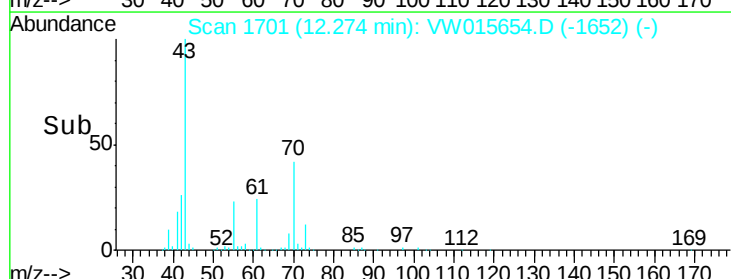
0

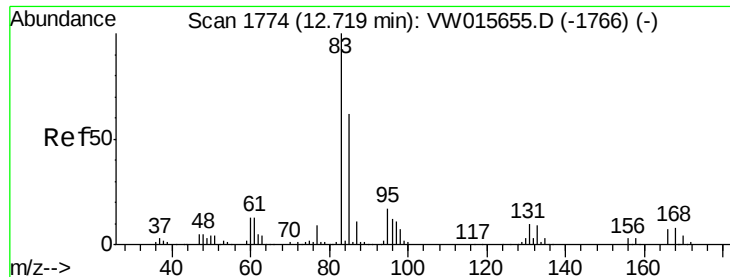
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.595 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

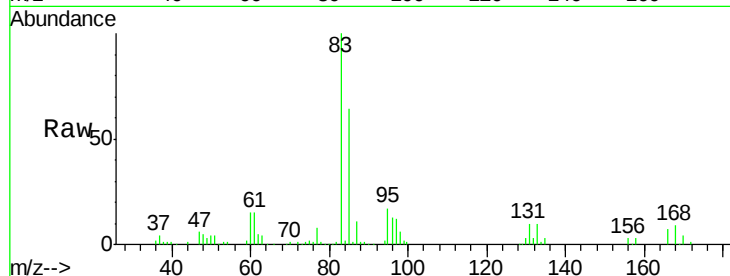
Tgt Ion: 83 Resp: 38989

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.4

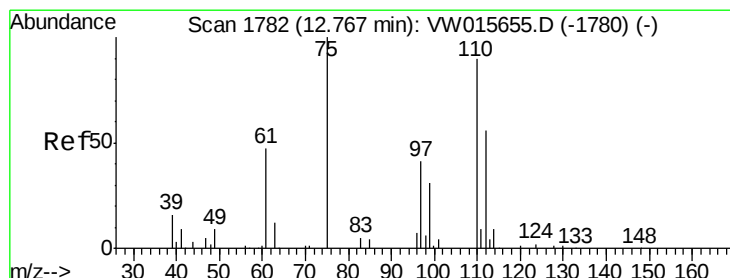
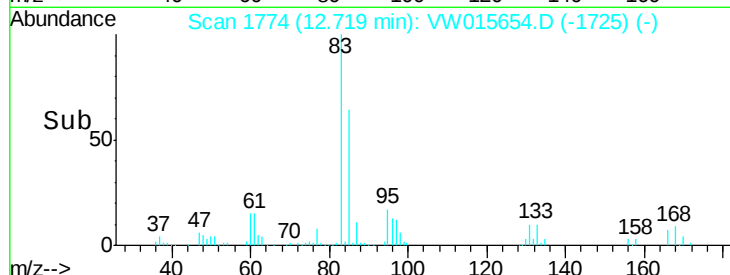
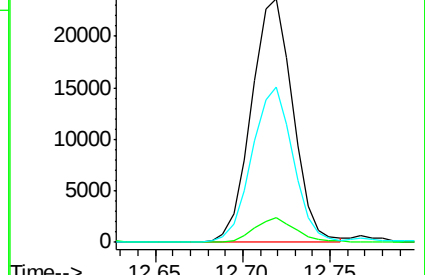
85 63.3 31.9 95.7



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: 38.458 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015654.D

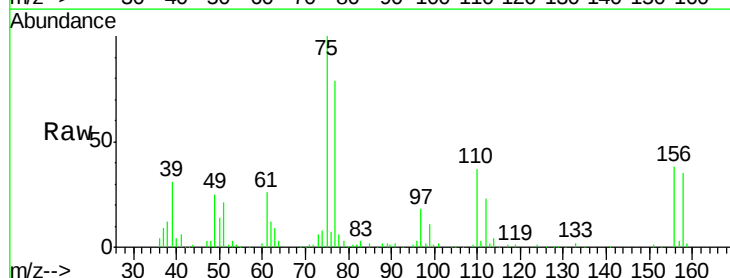
Acq: 23 Jun 2020 11:40

Tgt Ion: 75 Resp: 50220

Ion Ratio Lower Upper

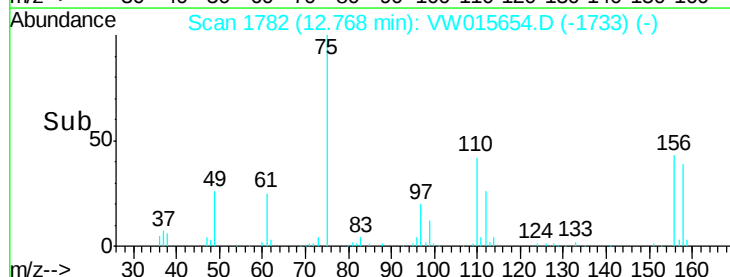
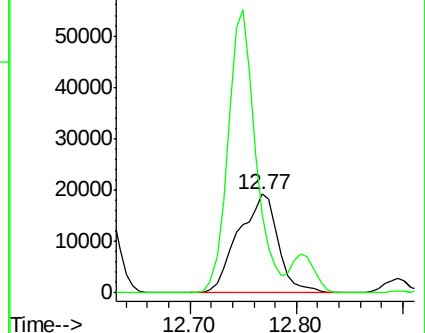
75 100

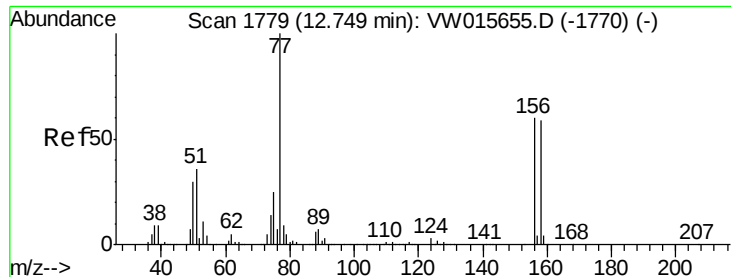
77 198.3 179.1 537.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.865 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

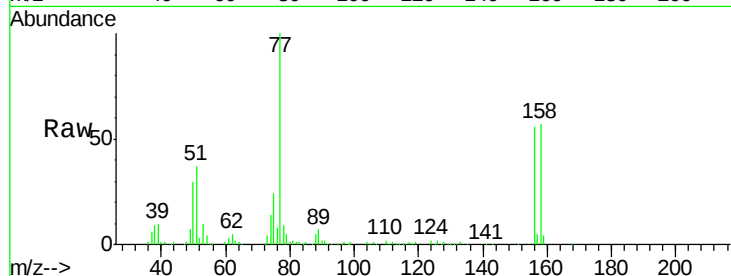
Tgt Ion:156 Resp: 50970

Ion Ratio Lower Upper

156 100

77 195.4 94.5 283.5

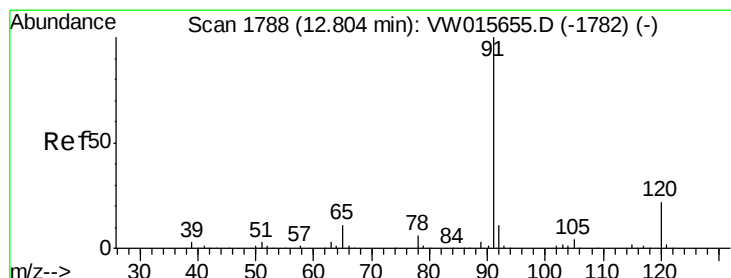
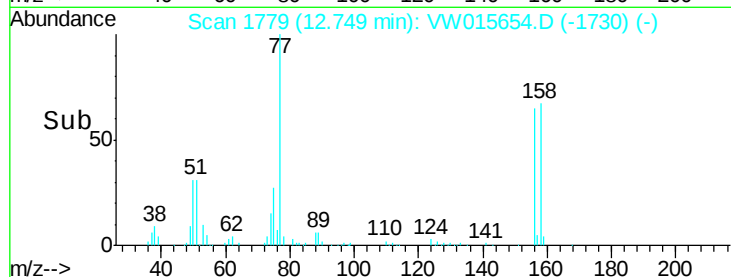
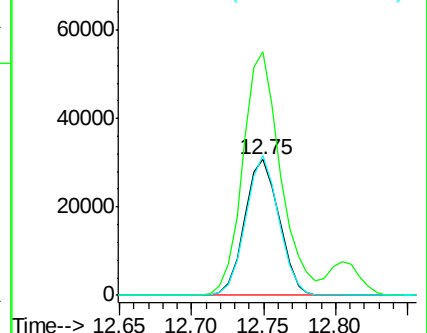
158 98.5 47.9 143.6



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: 19.774 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015654.D

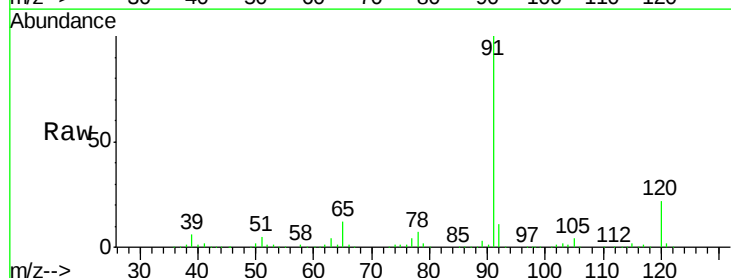
Acq: 23 Jun 2020 11:40

Tgt Ion: 91 Resp: 281636

Ion Ratio Lower Upper

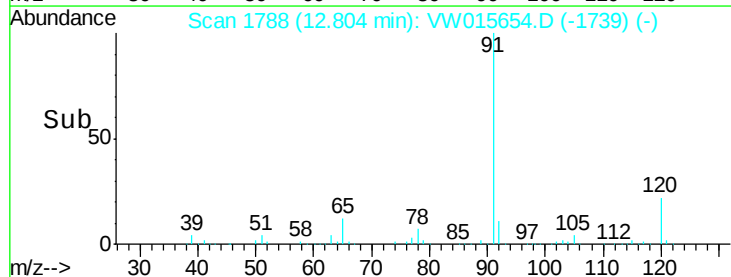
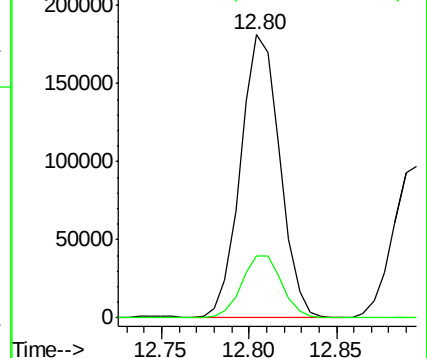
91 100

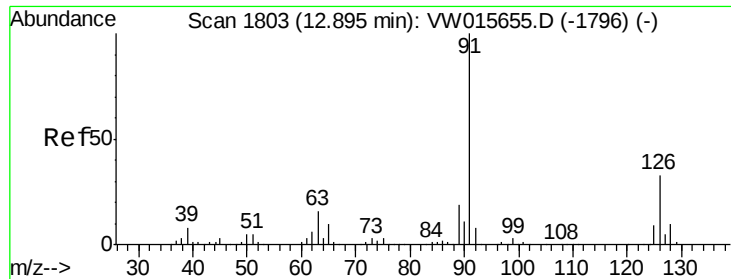
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

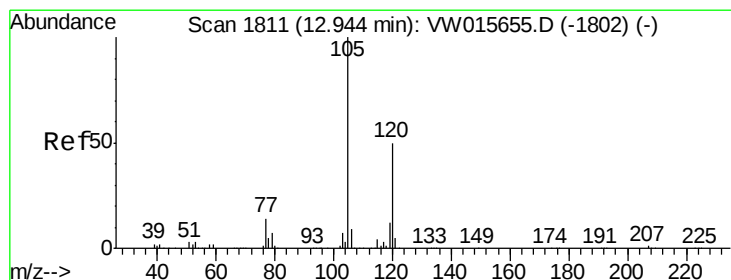
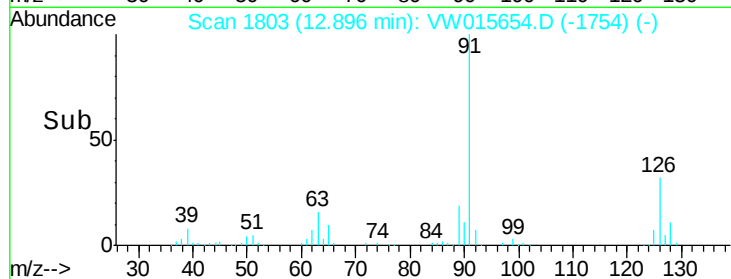
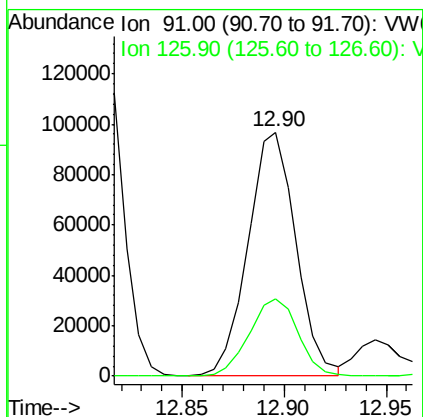
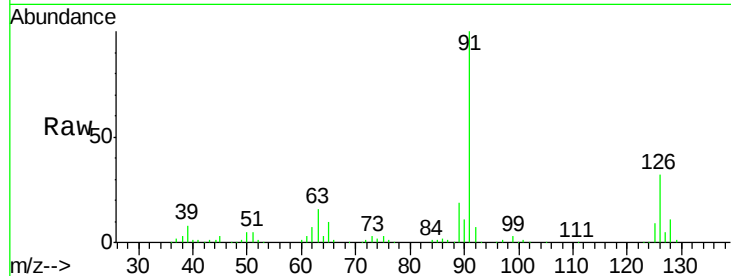




#79
2-Chlorotoluene
Concen: 19.600 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

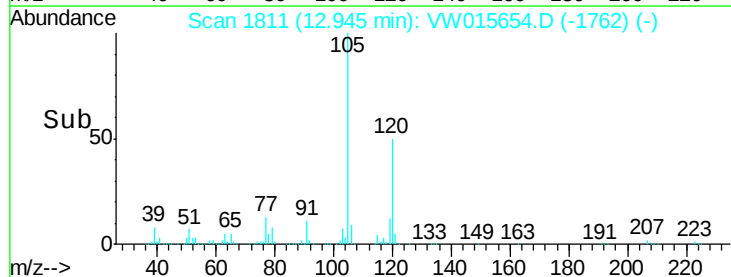
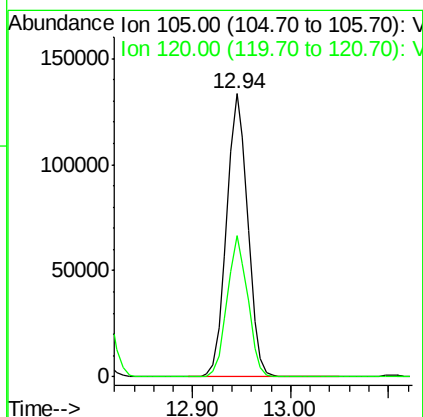
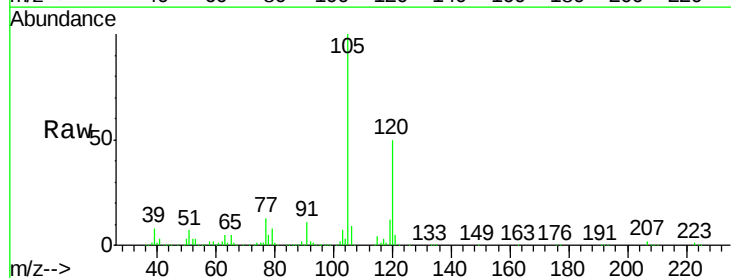
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

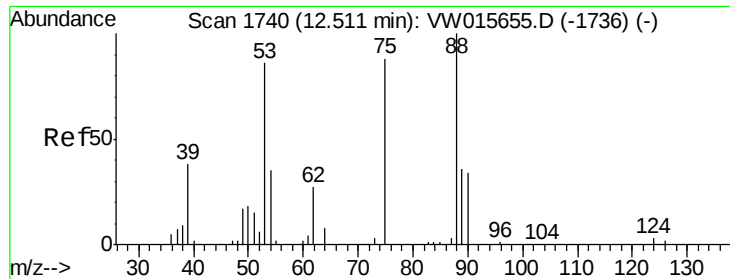
Tgt Ion: 91 Resp: 157594
Ion Ratio Lower Upper
91 100
126 32.7 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 19.943 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion: 105 Resp: 200317
Ion Ratio Lower Upper
105 100
120 48.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.727 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

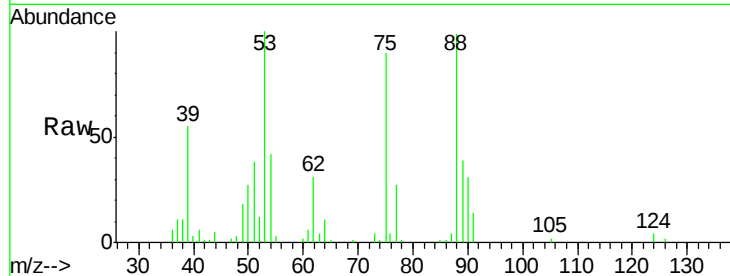
Tgt Ion: 75 Resp: 11048

Ion Ratio Lower Upper

75 100

53 111.7 83.8 125.8

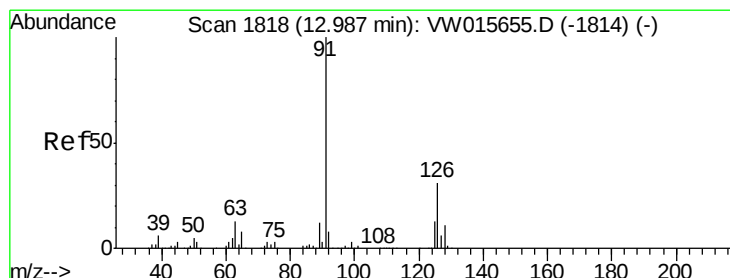
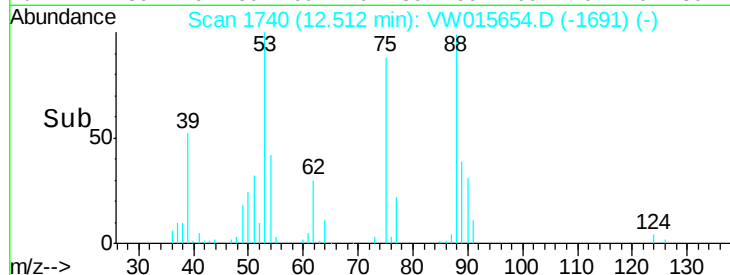
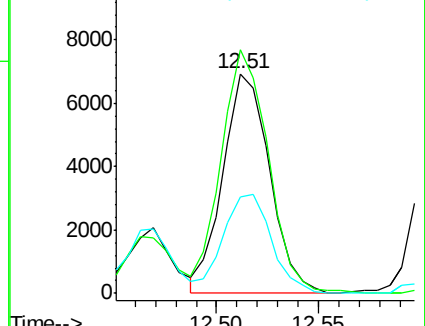
89 46.9 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.379 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW015654.D

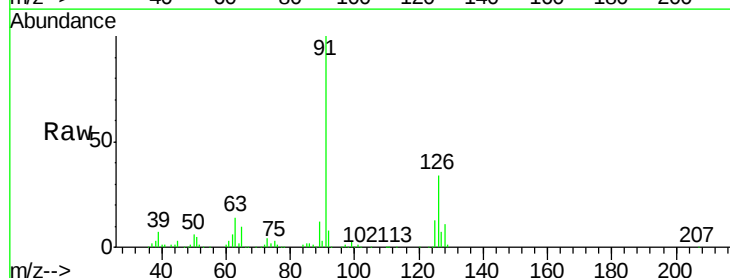
Acq: 23 Jun 2020 11:40

Tgt Ion: 91 Resp: 169835

Ion Ratio Lower Upper

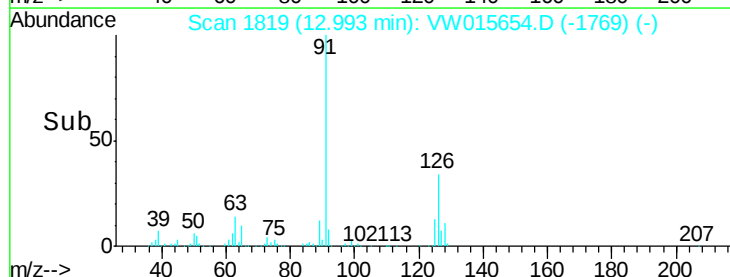
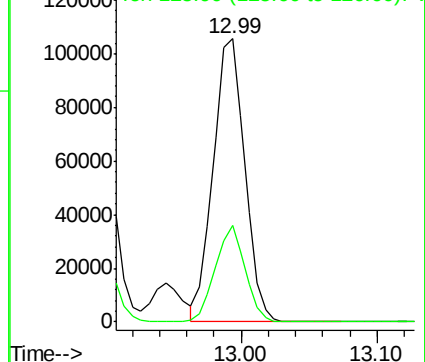
91 100

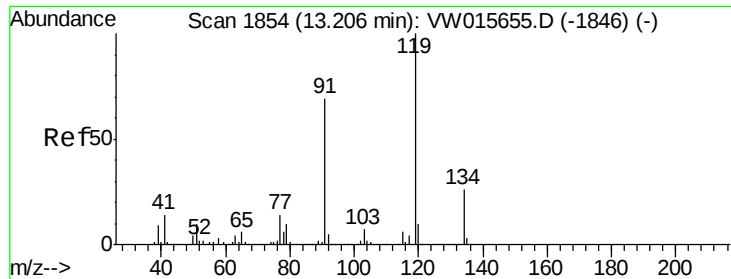
126 32.3 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.094 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

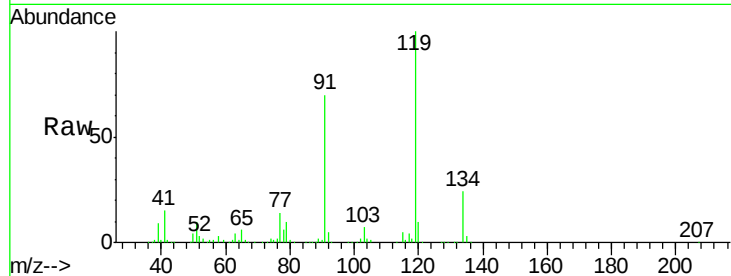
Tgt Ion:119 Resp: 162931

Ion Ratio Lower Upper

119 100

91 70.4 34.7 104.1

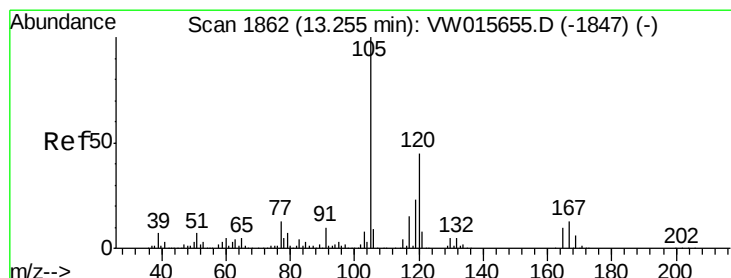
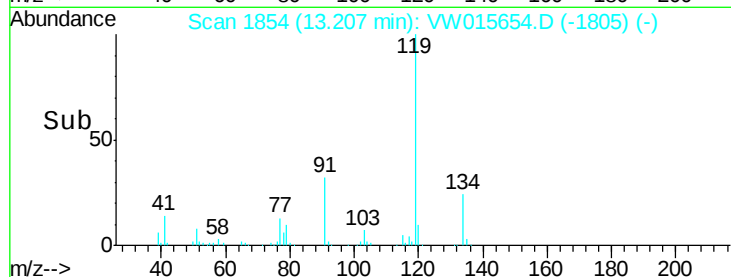
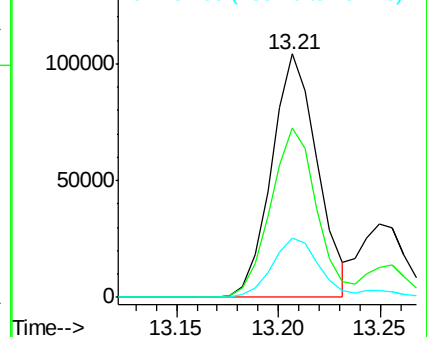
134 24.9 13.8 41.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.701 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW015654.D

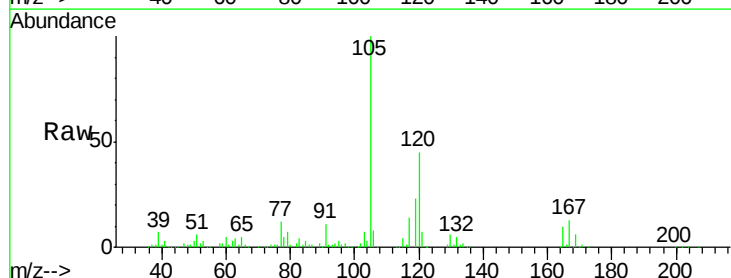
Acq: 23 Jun 2020 11:40

Tgt Ion:105 Resp: 197366

Ion Ratio Lower Upper

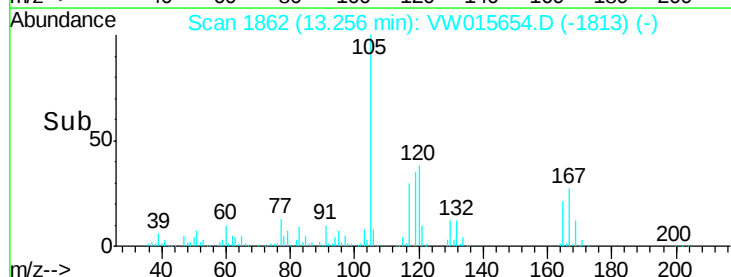
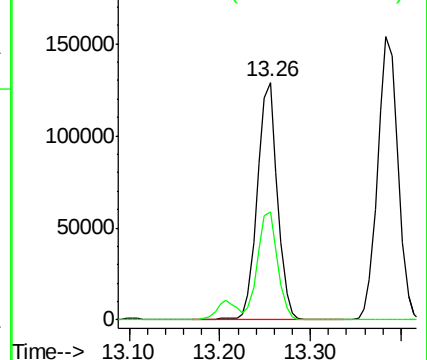
105 100

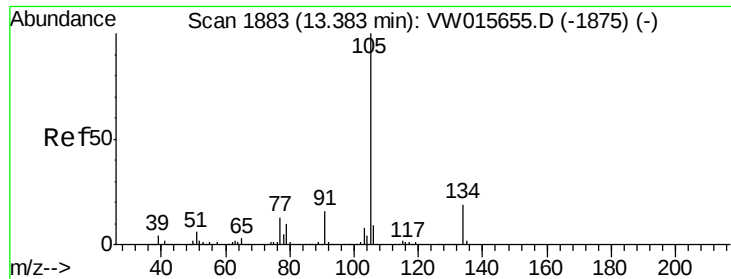
120 45.2 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.625 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

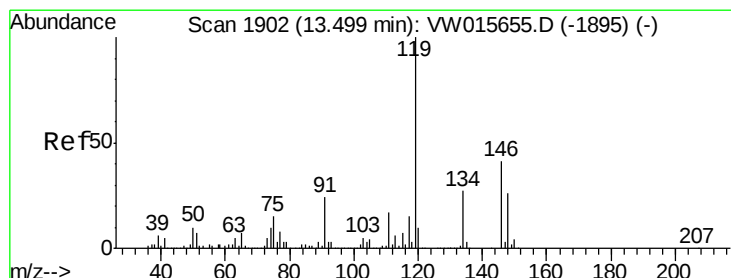
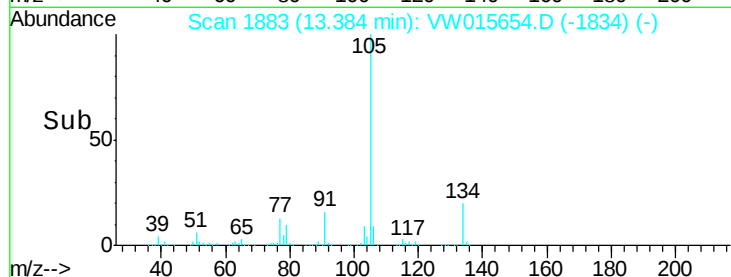
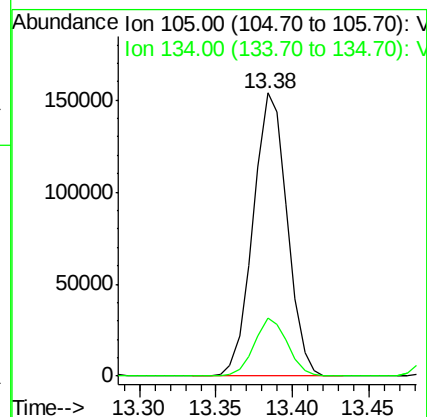
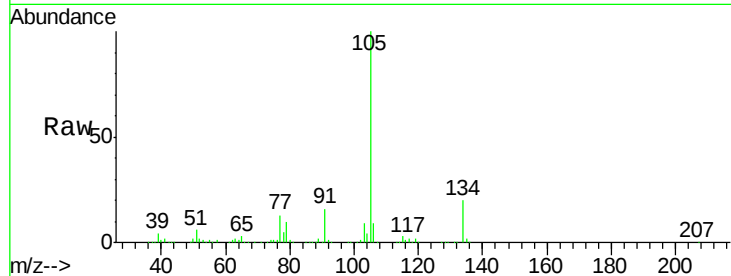
VSTDIC020

Tgt Ion:105 Resp: 237880

Ion Ratio Lower Upper

105 100

134 20.0 10.0 29.8



#86

p-Isopropyltoluene

Concen: 19.445 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

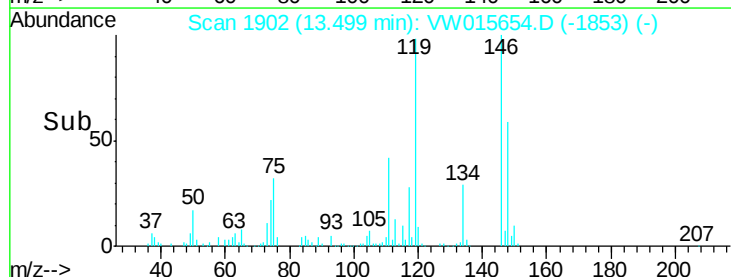
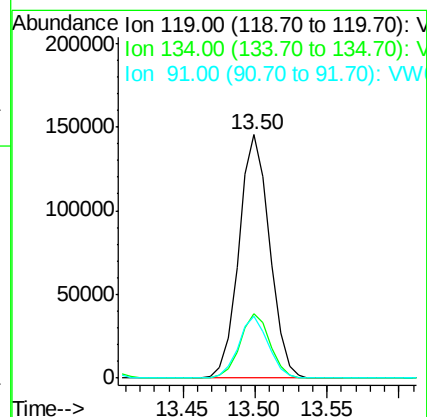
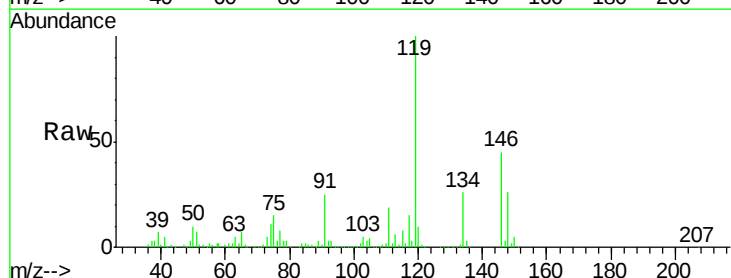
Tgt Ion:119 Resp: 215009

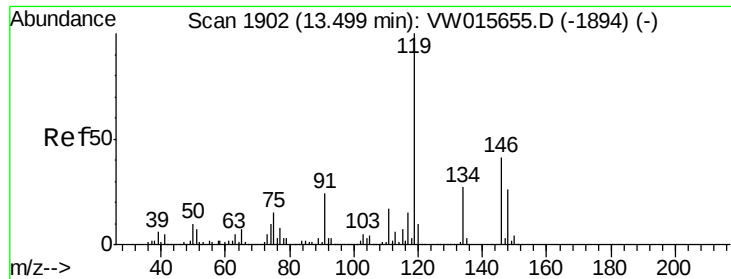
Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.4

91 24.6 12.3 36.8

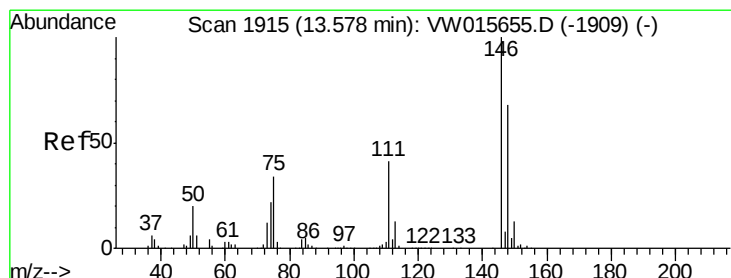
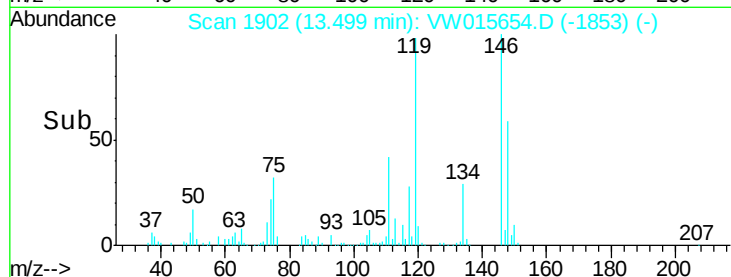
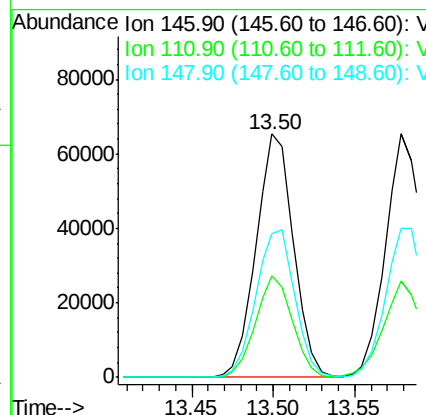
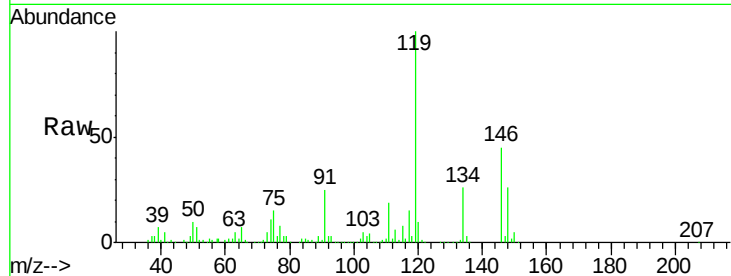




#87
 1,3-Dichlorobenzene
 Concen: 20.467 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

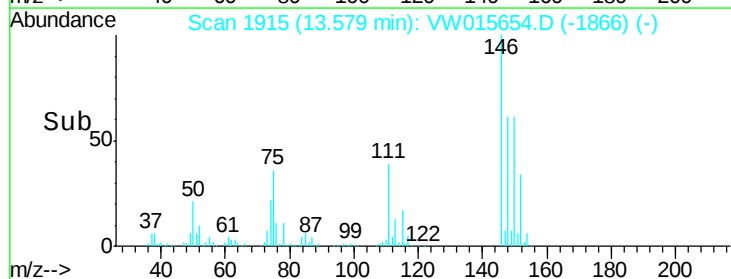
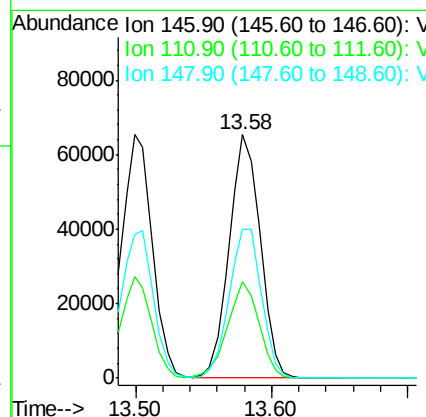
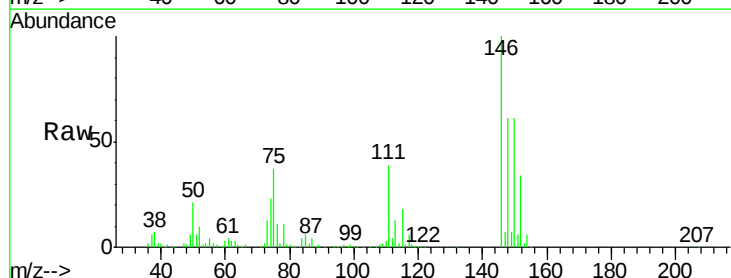
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

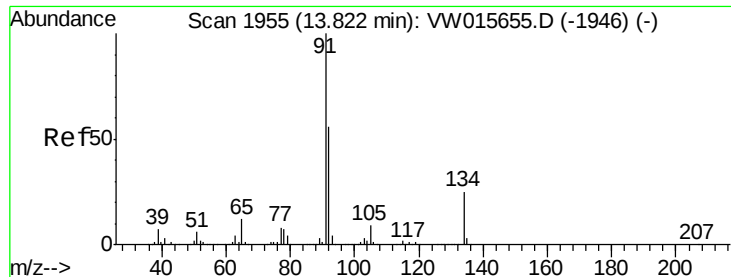
Tgt Ion:146 Resp: 104402
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 60.8
 148 62.8 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 20.577 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion:146 Resp: 103702
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.9
 148 64.0 33.7 101.1





#89

n-Butylbenzene

Concen: 19.497 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015654.D

Acq: 23 Jun 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

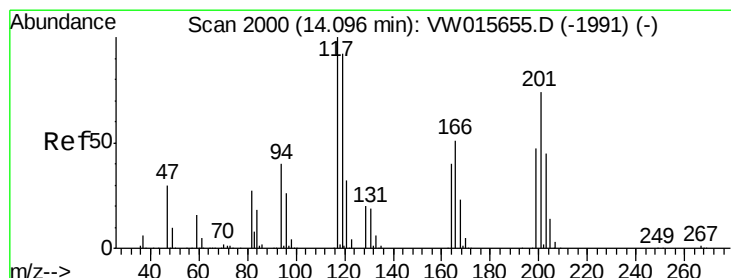
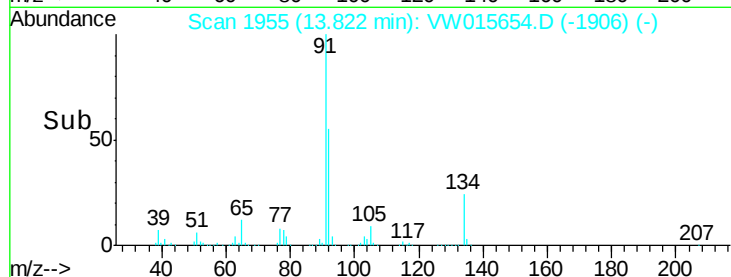
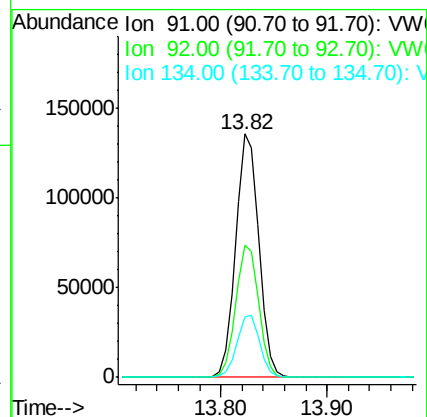
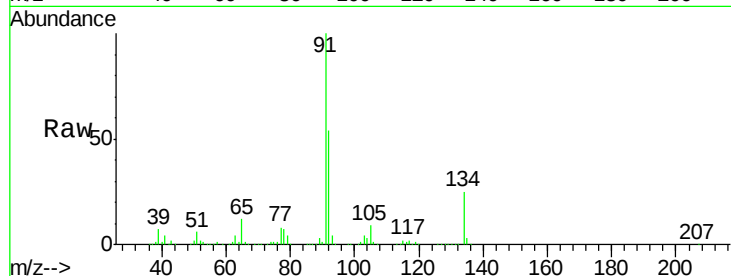
Tgt Ion: 91 Resp: 207695

Ion Ratio Lower Upper

91 100

92 54.1 27.5 82.4

134 25.3 13.0 38.9



#90

Hexachloroethane

Concen: 18.744 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW015654.D

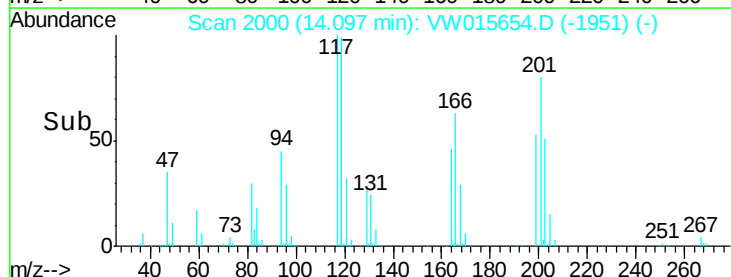
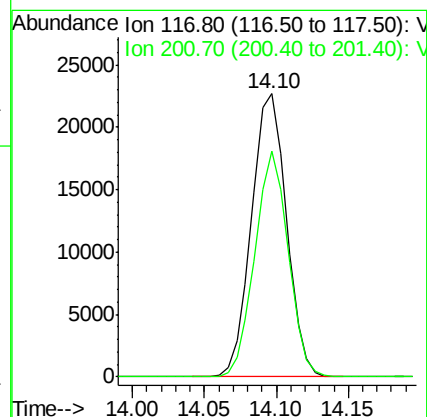
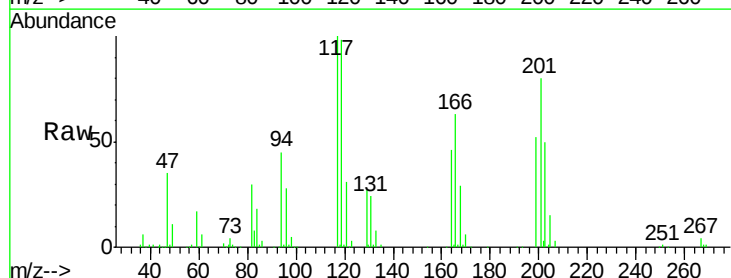
Acq: 23 Jun 2020 11:40

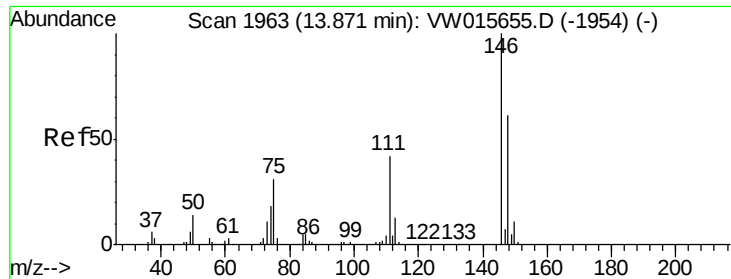
Tgt Ion: 117 Resp: 37980

Ion Ratio Lower Upper

117 100

201 76.0 37.1 111.5

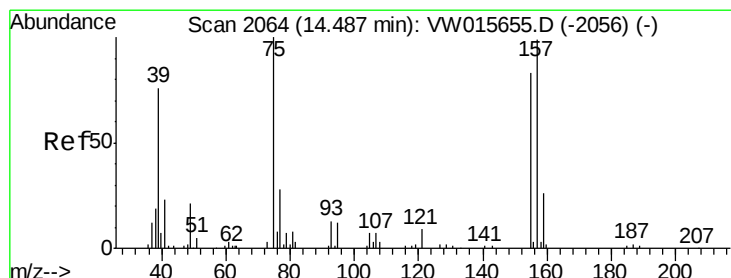
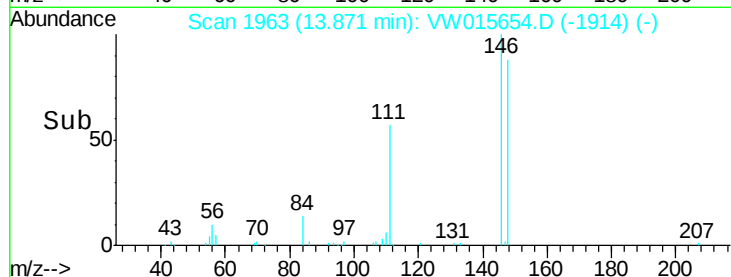
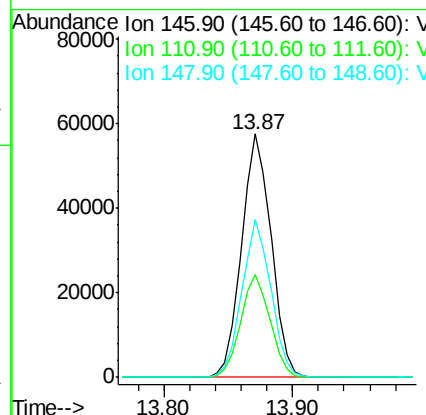
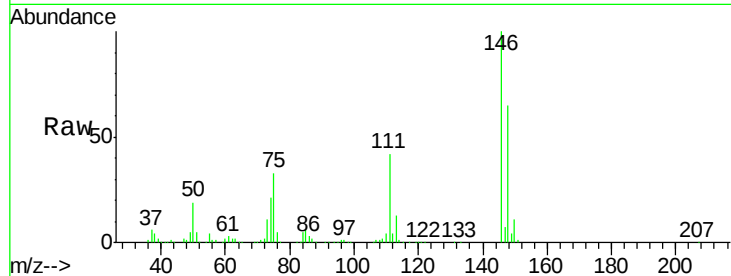




#91
 1,2-Dichlorobenzene
 Concen: 20.591 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

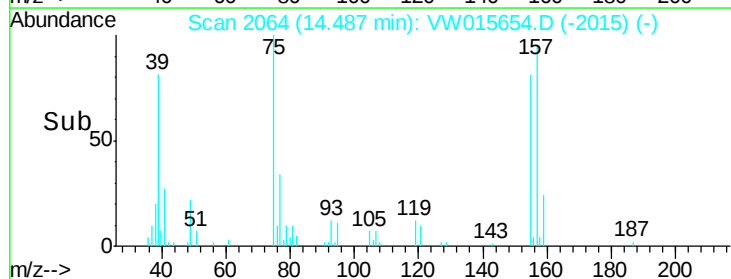
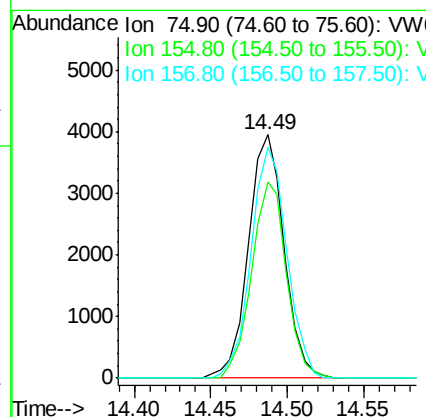
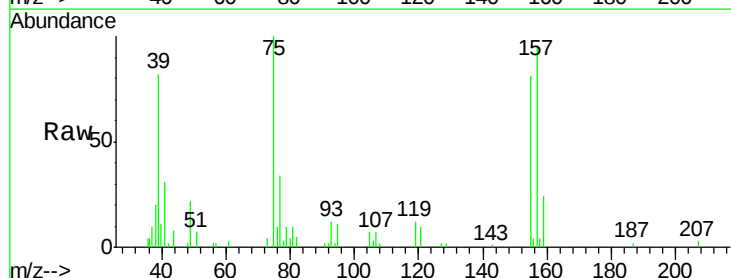
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

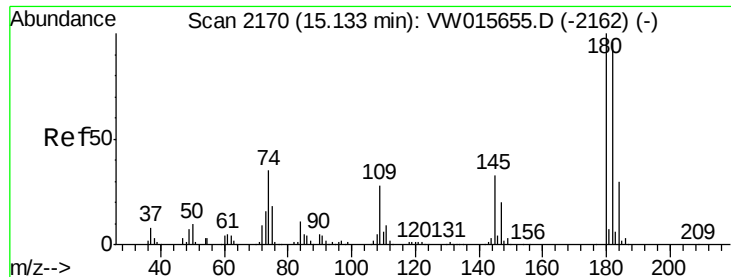
Tgt Ion: 146 Resp: 91232
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.3 63.7
 148 63.5 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.748 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion: 75 Resp: 6390
 Ion Ratio Lower Upper
 75 100
 155 78.7 40.8 122.2
 157 95.6 50.7 152.1

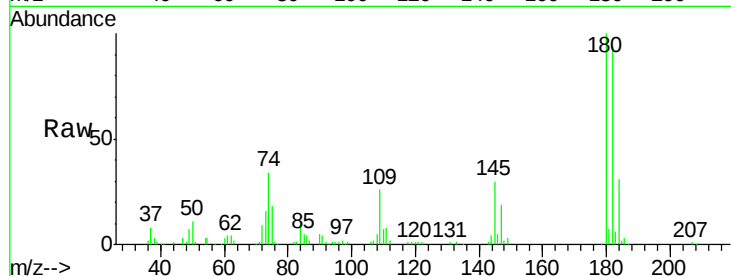




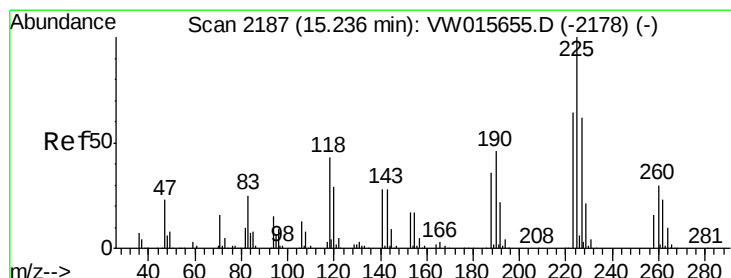
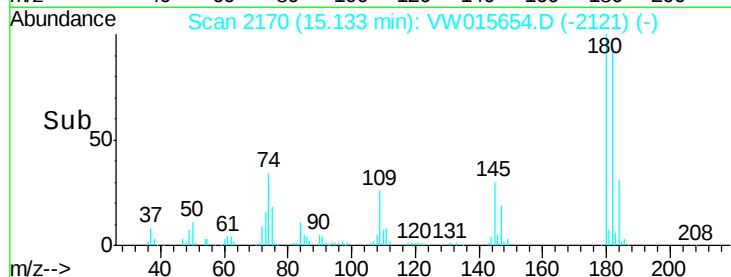
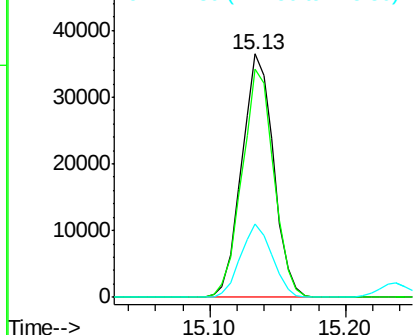
#93
 1,2,4-Trichlorobenzene
 Concen: 19.517 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 59567
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.9 143.6
 145 30.1 15.6 46.7

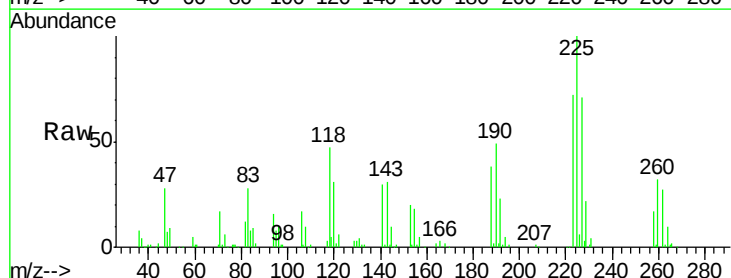


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

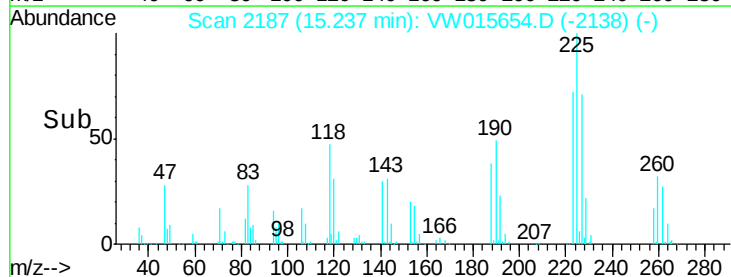
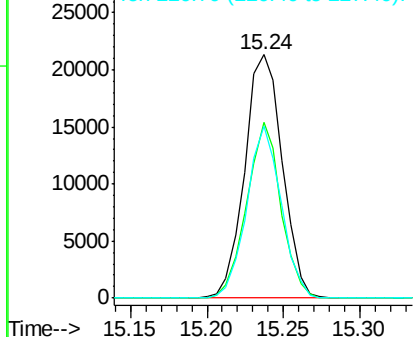


#94
 Hexachlorobutadiene
 Concen: 19.422 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015654.D
 Acq: 23 Jun 2020 11:40

Tgt Ion:225 Resp: 36503
 Ion Ratio Lower Upper
 225 100
 223 65.7 31.0 93.0
 227 64.8 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

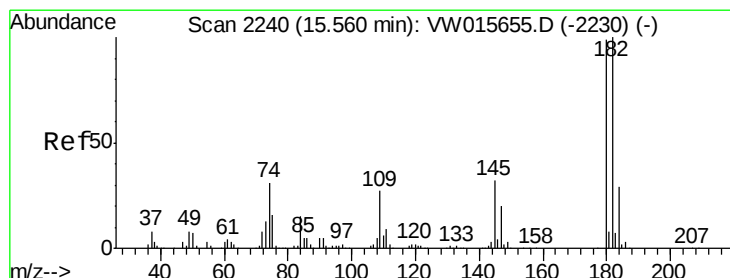
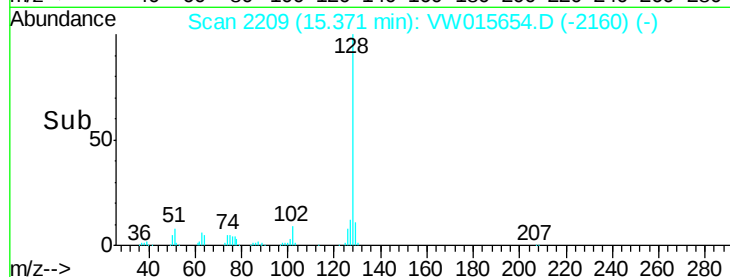
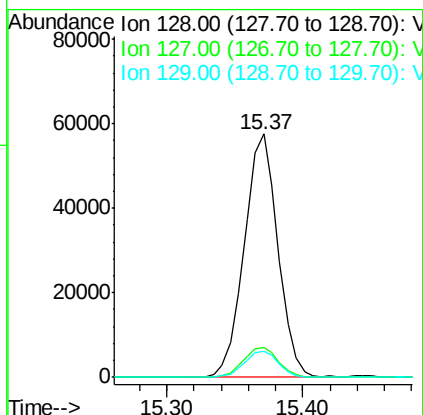
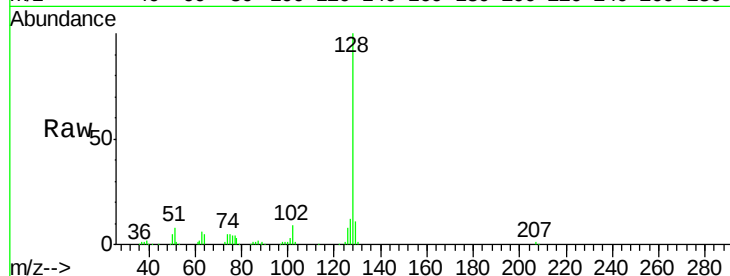




#95
Naphthalene
Concen: 19.599 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 99535
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.904 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015654.D
Acq: 23 Jun 2020 11:40

Tgt Ion:180 Resp: 50833
Ion Ratio Lower Upper
180 100
182 94.8 49.0 147.0
145 33.1 16.4 49.2

