

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030920\
 Data File : VW015092.D
 Acq On : 09 Mar 2020 10:36
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 09 18:36:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:33:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	431987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	819465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	718675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	317610	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	34792	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
35) Dibromofluoromethane	7.88	113	26312	5.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.72%	
50) Toluene-d8	10.32	98	101389	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
62) 4-Bromofluorobenzene	12.62	95	31006	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	12273	4.69	ug/l	93
3) Chloromethane	2.21	50	33044	5.88	ug/l	97
4) Vinyl Chloride	2.36	62	40849	5.55	ug/l	99
5) Bromomethane	2.78	94	22879	5.44	ug/l	99
6) Chloroethane	2.92	64	22538	5.29	ug/l	93
7) Trichlorofluoromethane	3.26	101	19059	5.18	ug/l	97
8) Diethyl Ether	3.68	74	13857	4.94	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31542	5.62	ug/l	96
10) Methyl Iodide	4.26	142	32214	5.16	ug/l	99
11) Tert butyl alcohol	5.16	59	11171	30.60	ug/l	94
12) 1,1-Dichloroethene	4.04	96	27684	5.04	ug/l	88
13) Acrolein	3.89	56	14764	27.65	ug/l	92
14) Allyl chloride	4.67	41	53939	4.90	ug/l	98
15) Acrylonitrile	5.37	53	34496	23.98	ug/l	98
16) Acetone	4.12	43	38611	26.65	ug/l	95
17) Carbon Disulfide	4.38	76	102460	5.27	ug/l #	95
18) Methyl Acetate	4.68	43	16786	4.89	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	32709	4.66	ug/l	92
20) Methylene Chloride	4.92	84	43163	6.44	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	30701	5.27	ug/l	91
22) Diisopropyl ether	6.31	45	94369	4.47	ug/l #	86
23) Vinyl Acetate	6.26	43	257350	20.66	ug/l	99
24) 1,1-Dichloroethane	6.21	63	64944	5.28	ug/l	99
25) 2-Butanone	7.18	43	45740	23.03	ug/l	98
26) 2,2-Dichloropropane	7.16	77	41361	5.88	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	30517	5.03	ug/l	92
28) Bromochloromethane	7.51	49	31176	5.29	ug/l	96
29) Tetrahydrofuran	7.53	42	25267	20.34	ug/l	99
30) Chloroform	7.67	83	59038	5.41	ug/l	99
31) Cyclohexane	7.95	56	71231	5.63	ug/l #	80
32) 1,1,1-Trichloroethane	7.87	97	45721	5.36	ug/l	99
36) 1,1-Dichloropropene	8.08	75	46450	4.89	ug/l	97
37) Ethyl Acetate	7.26	43	22862	4.83	ug/l	99
38) Carbon Tetrachloride	8.07	117	40507	5.24	ug/l	95

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 Data File : VW015092.D
 Acq On : 09 Mar 2020 10:36
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 09 18:36:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:33:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	49494	4.55	ug/l	96
40) Benzene	8.32	78	134592	5.10	ug/l	99
41) Methacrylonitrile	7.48	41	10569	4.22	ug/l	96
42) 1,2-Dichloroethane	8.40	62	41334	5.14	ug/l	97
43) Isopropyl Acetate	8.42	43	36882	4.34	ug/l	95
44) Trichloroethene	9.09	130	29038	5.17	ug/l	99
45) 1,2-Dichloropropane	9.37	63	35712	5.02	ug/l	99
46) Dibromomethane	9.46	93	15441	4.99	ug/l	98
47) Bromodichloromethane	9.64	83	41439	5.02	ug/l	100
48) Methyl methacrylate	9.44	41	15229	3.89	ug/l	93
49) 1,4-Dioxane	9.45	88	4389	92.70	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	118394	25.24	ug/l	95
52) Toluene	10.38	92	72549	4.78	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	35757	4.40	ug/l #	87
54) cis-1,3-Dichloropropene	10.07	75	46282	4.68	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	21273	5.02	ug/l	97
56) Ethyl methacrylate	10.65	69	20494	3.75	ug/l	97
57) 1,3-Dichloropropane	10.93	76	39154	4.85	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	65584	20.44	ug/l	99
59) 2-Hexanone	10.96	43	56046	19.13	ug/l	93
60) Dibromochloromethane	11.13	129	20796	4.75	ug/l	99
61) 1,2-Dibromoethane	11.23	107	18056	4.81	ug/l	98
64) Tetrachloroethene	10.86	164	22305	5.38	ug/l	93
65) Chlorobenzene	11.65	112	74568	5.17	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	24234	5.04	ug/l	97
67) Ethyl Benzene	11.73	91	128703	4.59	ug/l	98
68) m/p-Xylenes	11.84	106	88351	8.90	ug/l	100
69) o-Xylene	12.16	106	38438	4.30	ug/l	99
70) Styrene	12.18	104	63505	4.15	ug/l	99
71) Bromoform	12.35	173	9779	4.59	ug/l #	96
73) Isopropylbenzene	12.46	105	107858	4.45	ug/l	99
74) N-amyl acetate	12.27	43	28083	3.92	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	24975	5.07	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	31966	5.43	ug/l #	100
77) Bromobenzene	12.74	156	24210	5.05	ug/l	97
78) n-propylbenzene	12.80	91	139027	4.41	ug/l	100
79) 2-Chlorotoluene	12.89	91	83131	4.69	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	92530	4.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	7078	4.45	ug/l	95
82) 4-Chlorotoluene	12.99	91	89151	4.72	ug/l	100
83) tert-Butylbenzene	13.21	119	73930	4.37	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	89914	4.31	ug/l	98
85) sec-Butylbenzene	13.38	105	112411	4.40	ug/l	98
86) p-Isopropyltoluene	13.49	119	94264	4.29	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	51189	5.04	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	51157	5.11	ug/l	93
89) n-Butylbenzene	13.82	91	102107	4.31	ug/l	98
90) Hexachloroethane	14.09	117	22466	5.10	ug/l	99
91) 1,2-Dichlorobenzene	13.86	146	44493	5.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3811	4.82	ug/l	91

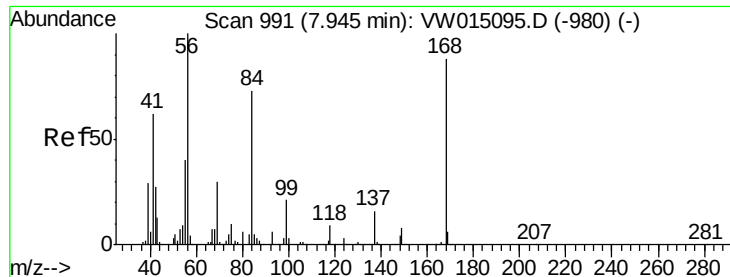
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030920\
Data File : VW015092.D
Acq On : 09 Mar 2020 10:36
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Mar 09 18:36:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 09 18:33:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	20314	3.99	ug/l	99
94) Hexachlorobutadiene	15.23	225	16144	5.05	ug/l	96
95) Naphthalene	15.36	128	30383	3.20	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	17973	3.98	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

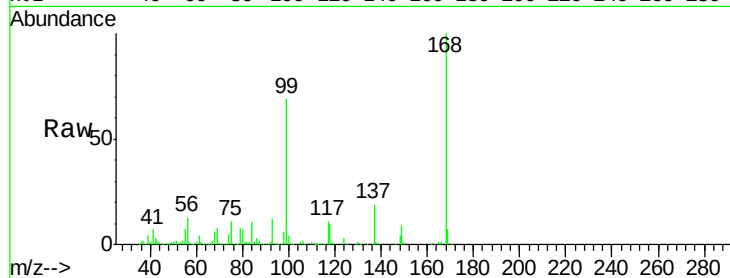
VSTDIC005

Tgt Ion: 168 Resp: 431987

Ion Ratio Lower Upper

168 100

99 68.4 57.2 85.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

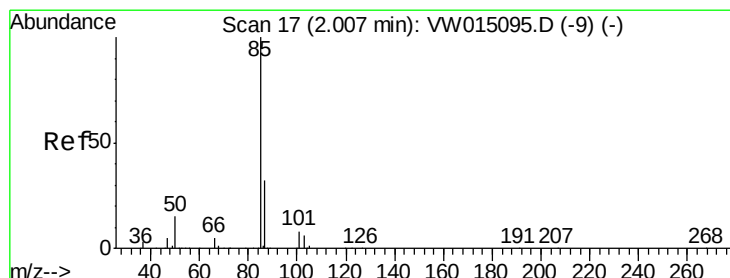
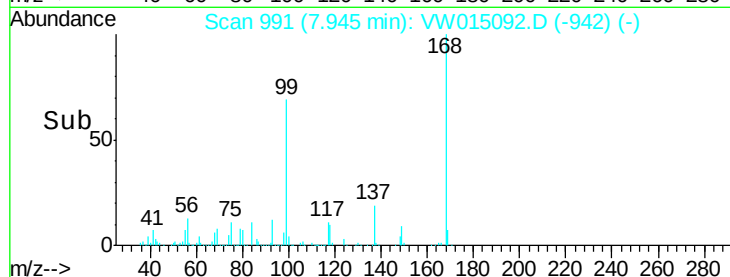
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.69 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015092.D

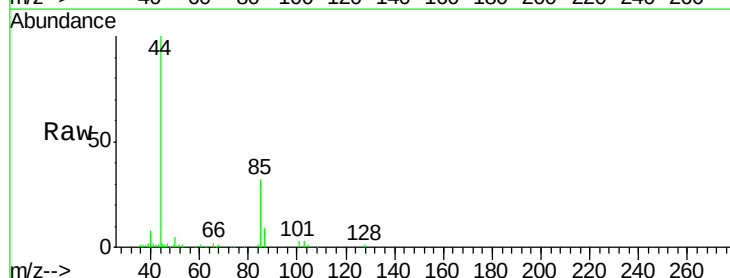
Acq: 09 Mar 2020 10:36

Tgt Ion: 85 Resp: 12273

Ion Ratio Lower Upper

85 100

87 28.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

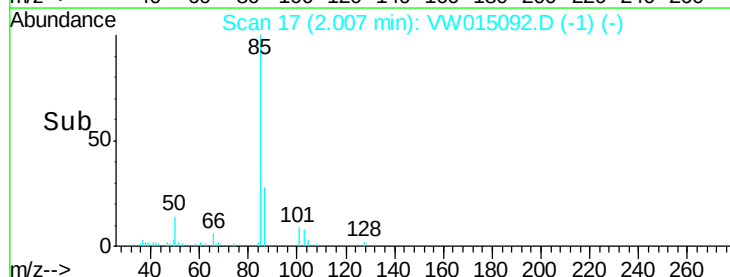
3000

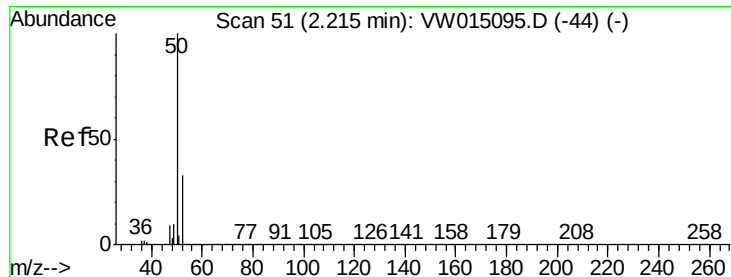
2000

1000

0

Time-->





#3

Chloromethane

Concen: 5.88 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

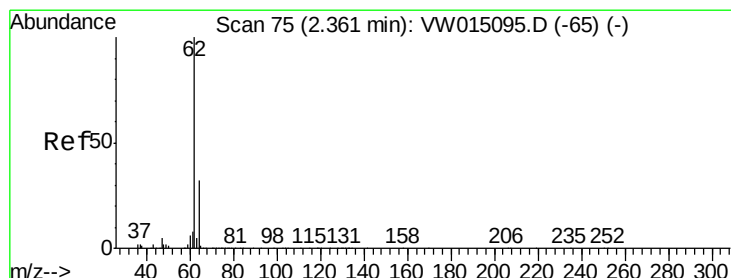
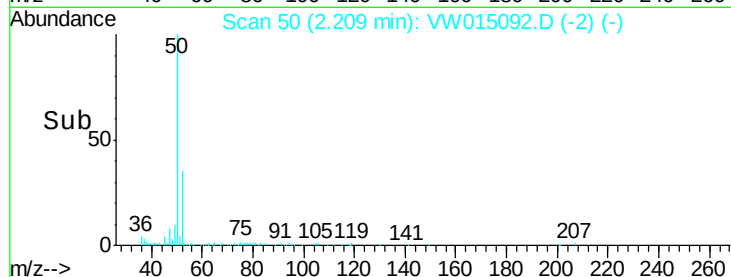
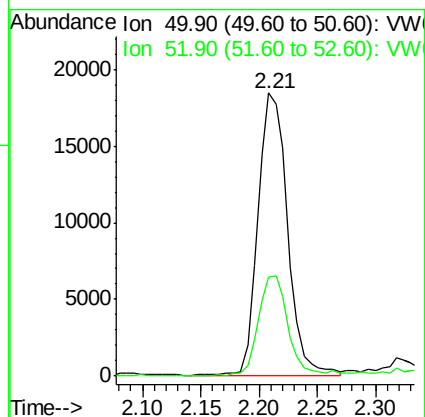
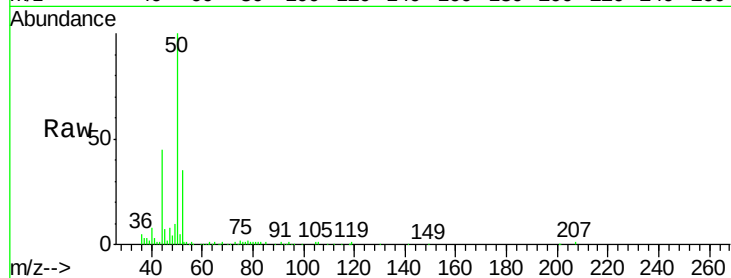
VSTDIC005

Tgt Ion: 50 Resp: 33044

Ion Ratio Lower Upper

50 100

52 35.1 26.6 40.0



#4

Vinyl Chloride

Concen: 5.55 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015092.D

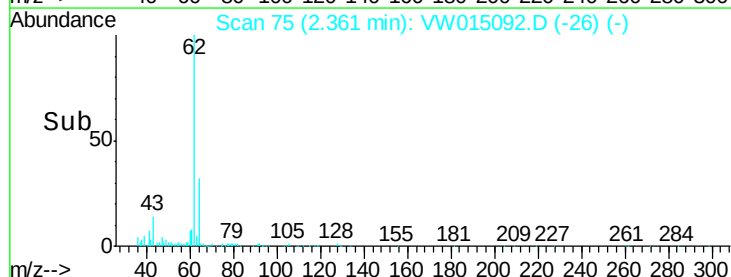
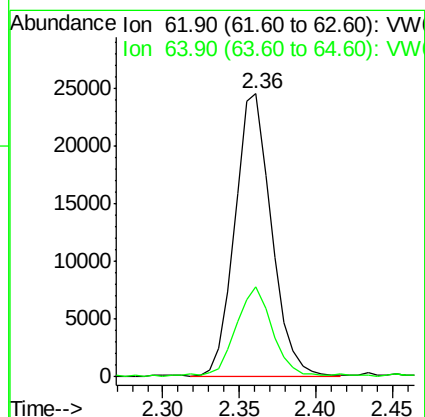
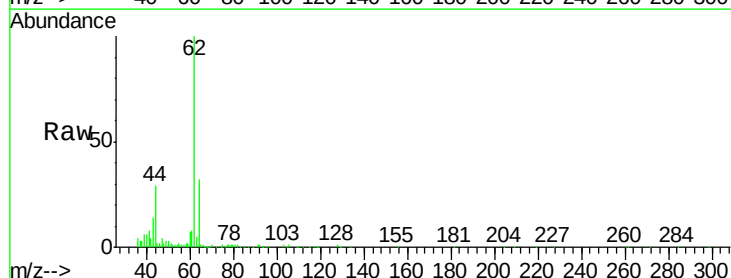
Acq: 09 Mar 2020 10:36

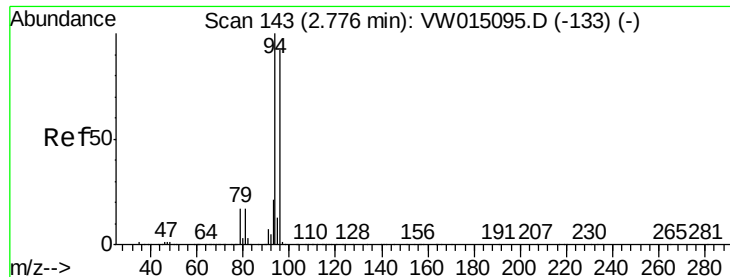
Tgt Ion: 62 Resp: 40849

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9





#5

Bromomethane

Concen: 5.44 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

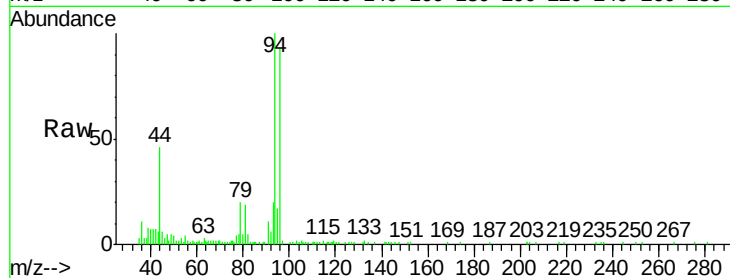
VSTDIC005

Tgt Ion: 94 Resp: 22879

Ion Ratio Lower Upper

94 100

96 93.2 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

10000

8000

6000

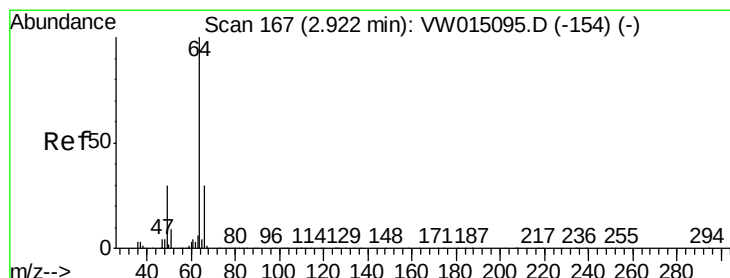
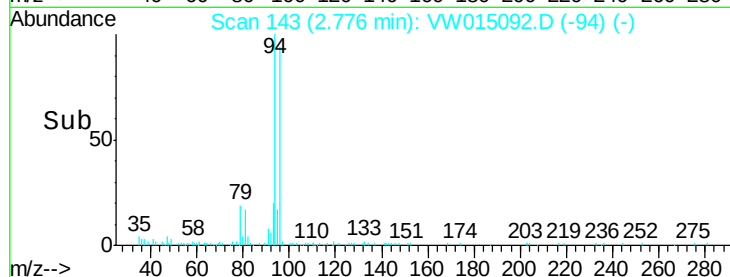
4000

2000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 5.29 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015092.D

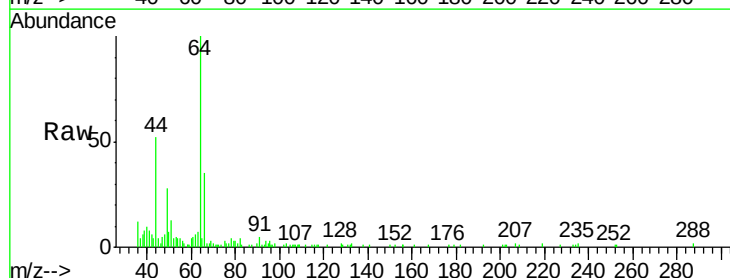
Acq: 09 Mar 2020 10:36

Tgt Ion: 64 Resp: 22538

Ion Ratio Lower Upper

64 100

66 34.1 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

10000

8000

6000

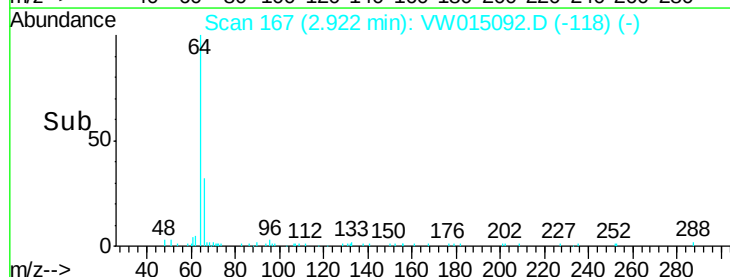
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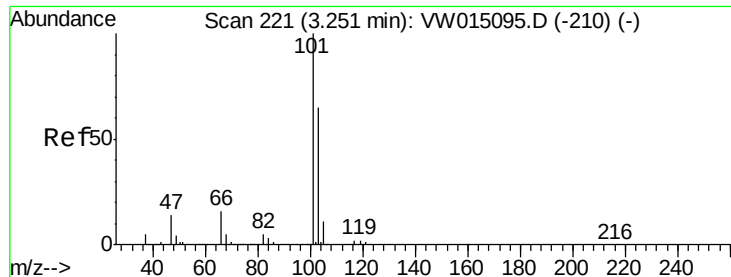
2000

0

Time-->

2.80 2.90 3.00 3.10





#7

Trichlorofluoromethane

Concen: 5.18 ug/l

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

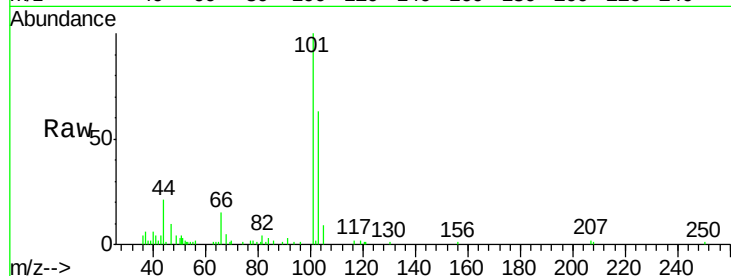
VSTDIC005

Tgt Ion:101 Resp: 19059

Ion Ratio Lower Upper

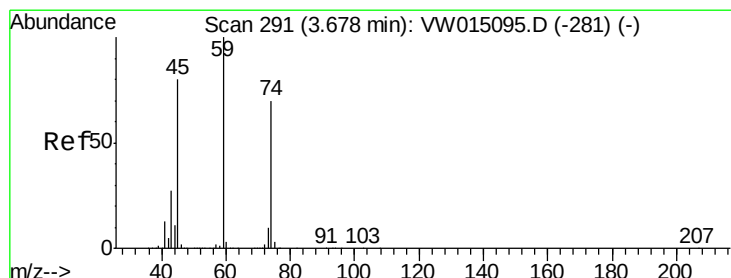
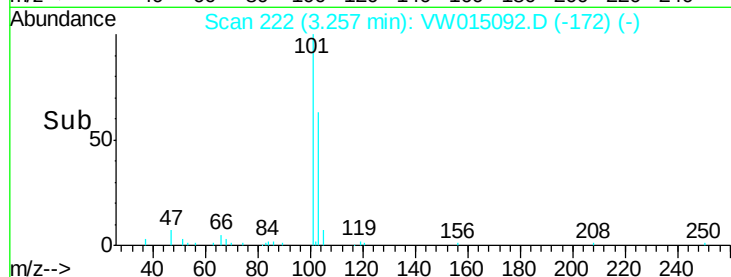
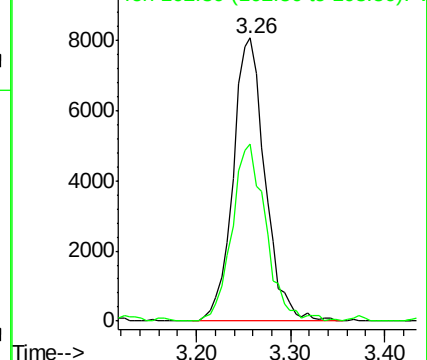
101 100

103 62.5 51.8 77.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 4.94 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW015092.D

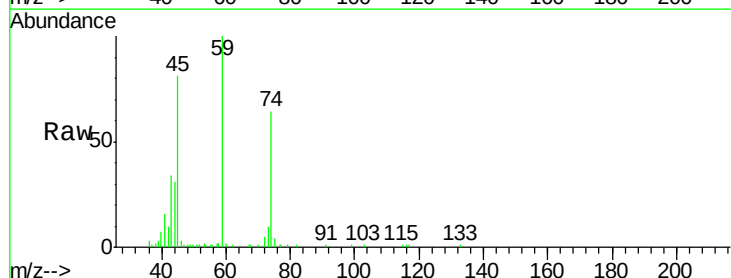
Acq: 09 Mar 2020 10:36

Tgt Ion: 74 Resp: 13857

Ion Ratio Lower Upper

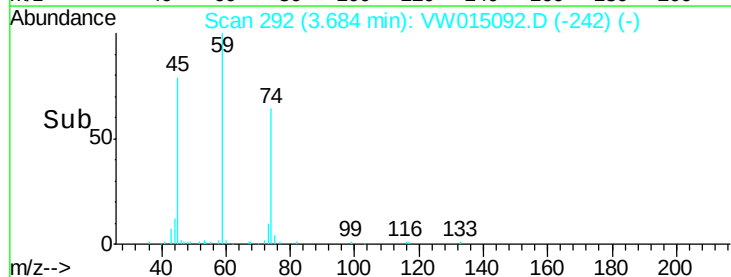
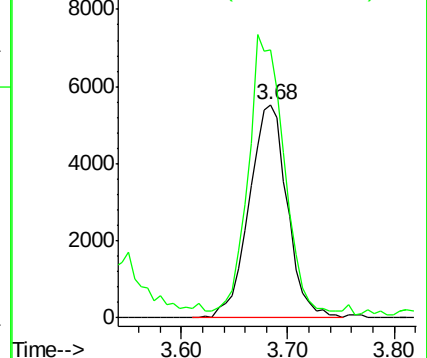
74 100

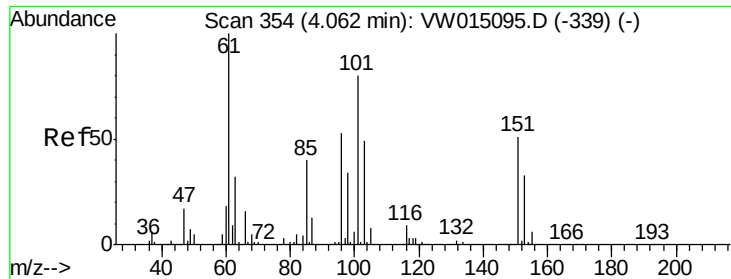
45 119.3 59.2 177.5



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: 5.62 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

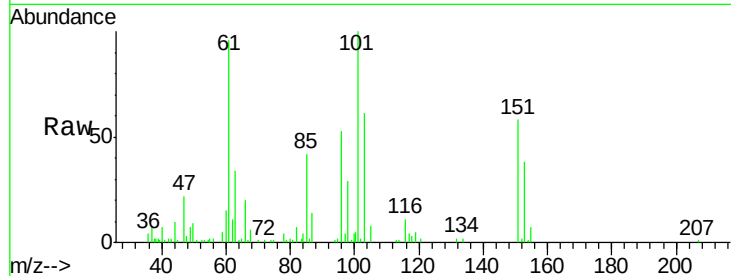
Tgt Ion:101 Resp: 31542

Ion Ratio Lower Upper

101 100

85 46.4 39.0 58.4

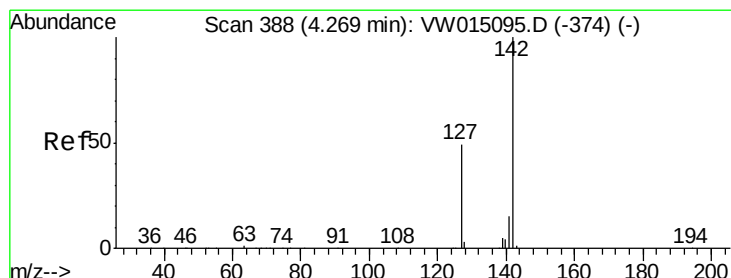
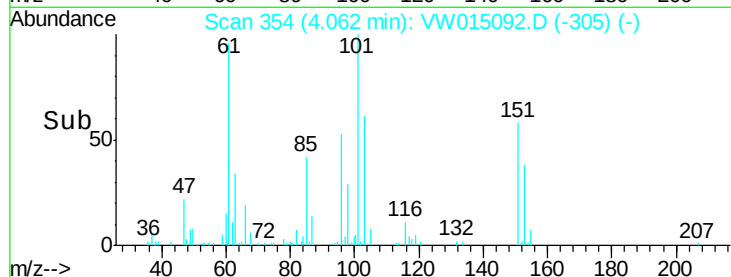
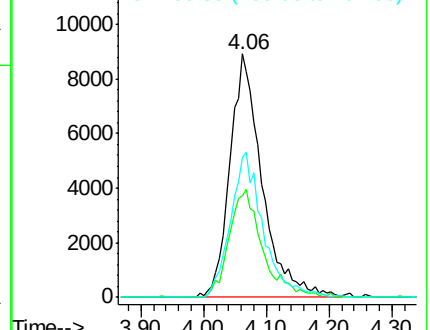
151 60.5 50.8 76.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.16 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

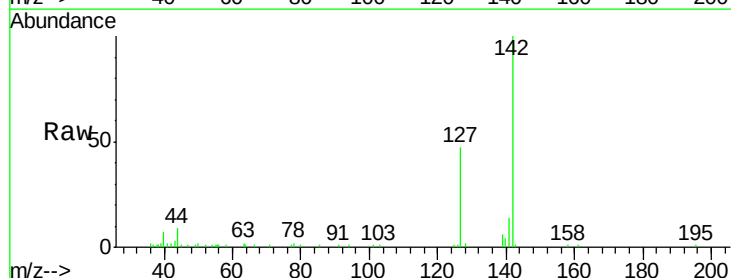
Tgt Ion:142 Resp: 32214

Ion Ratio Lower Upper

142 100

127 47.4 38.2 57.4

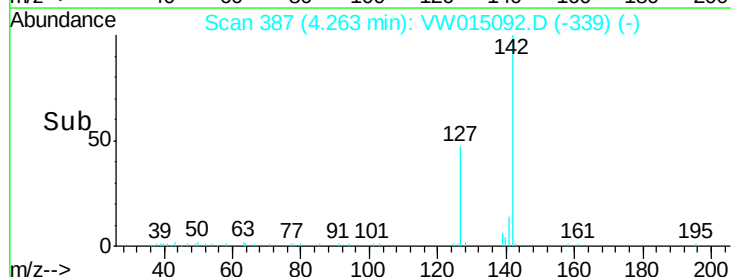
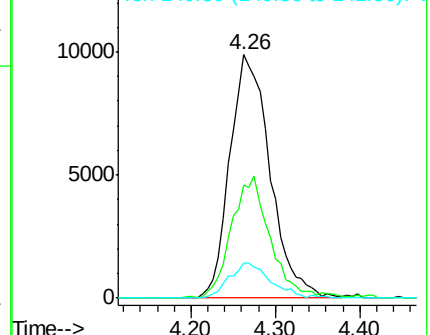
141 14.5 12.0 18.0

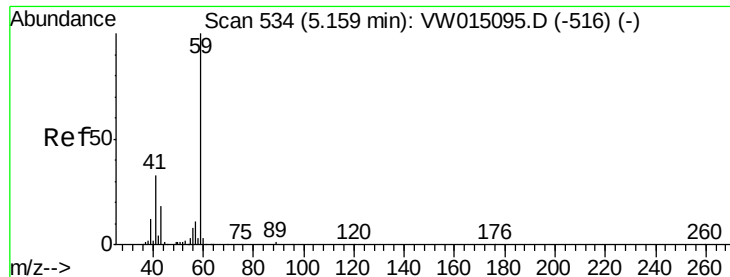


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

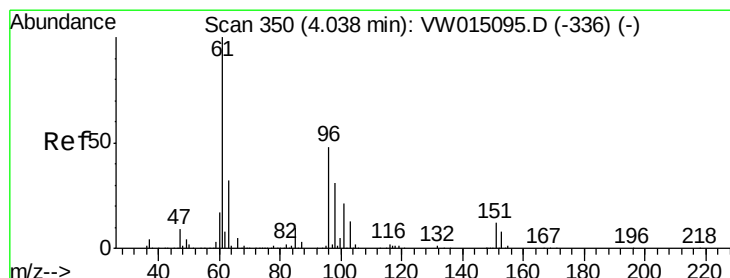
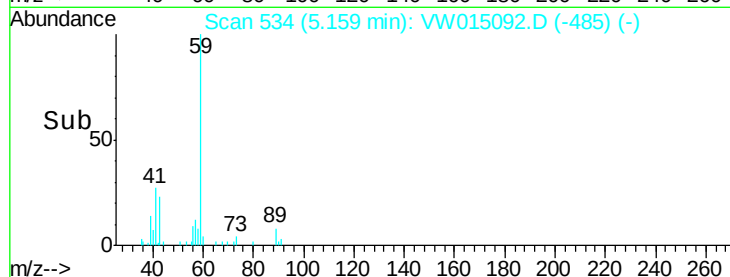
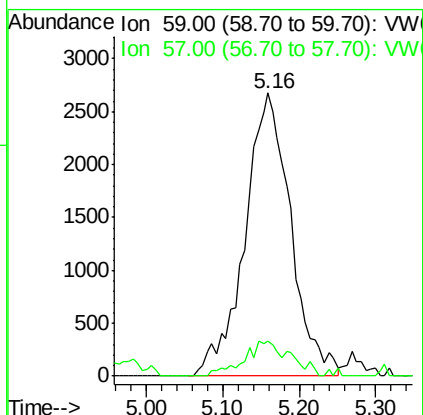
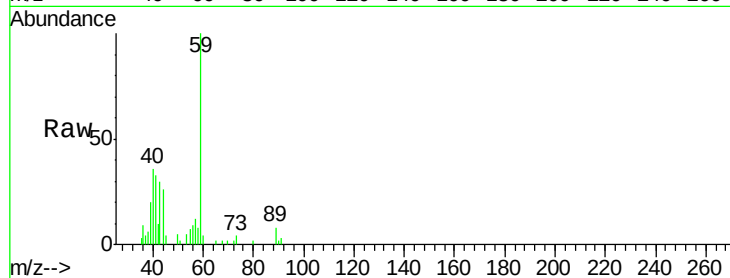




#11
Tert butyl alcohol
Concen: 30.60 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

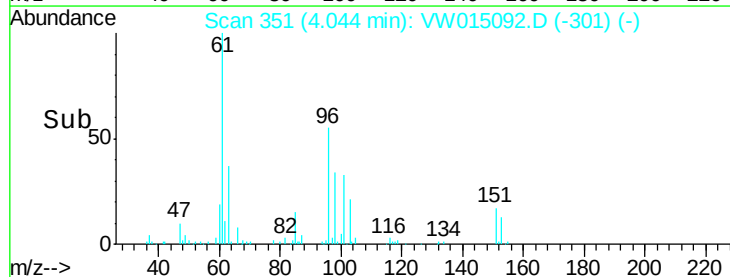
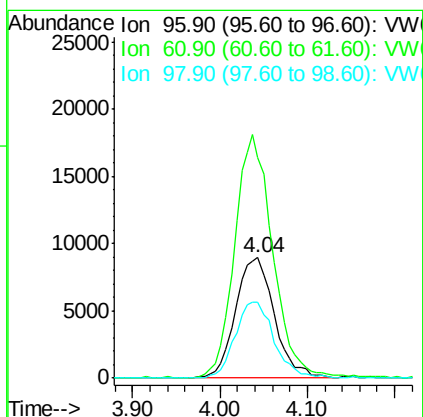
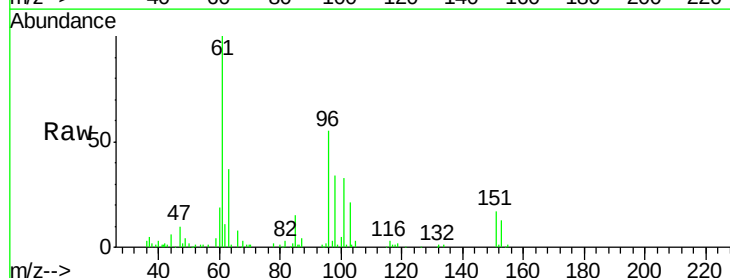
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

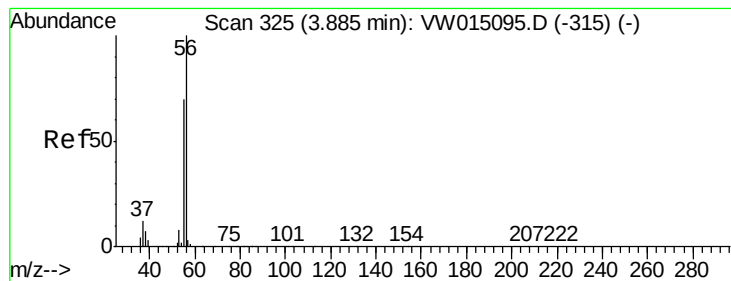
Tgt Ion: 59 Resp: 11171
Ion Ratio Lower Upper
59 100
57 9.2 9.1 13.7



#12
1,1-Dichloroethene
Concen: 5.04 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion: 96 Resp: 27684
Ion Ratio Lower Upper
96 100
61 183.4 165.5 248.3
98 63.0 51.1 76.7





#13

Acrolein

Concen: 27.65 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

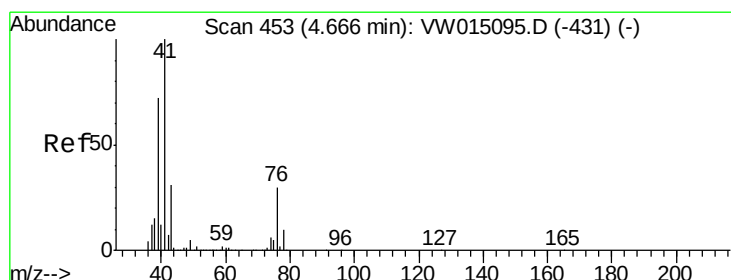
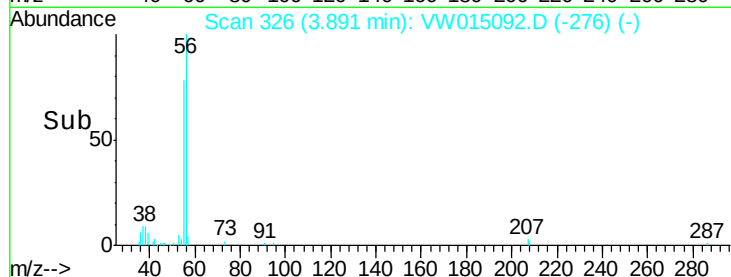
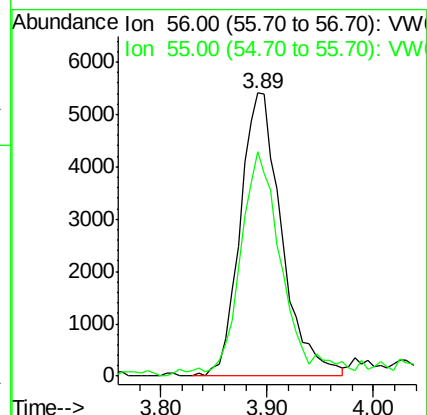
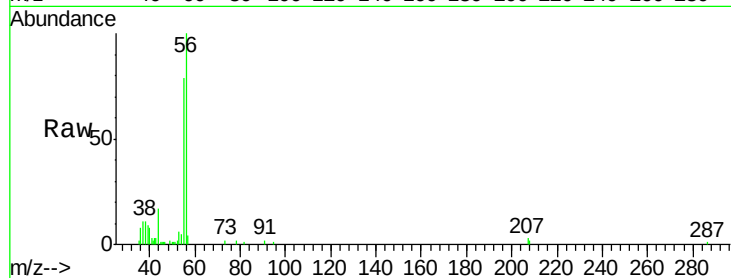
VSTDIC005

Tgt Ion: 56 Resp: 14764

Ion Ratio Lower Upper

56 100

55 76.0 55.4 83.2



#14

Allyl chloride

Concen: 4.90 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

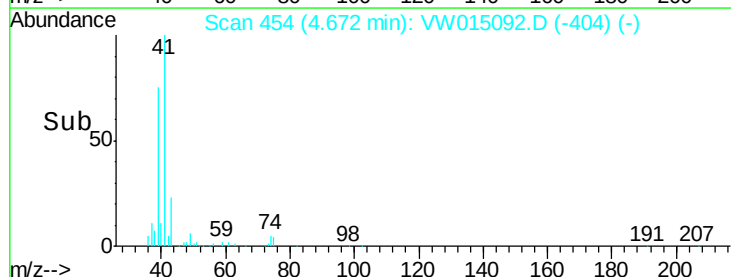
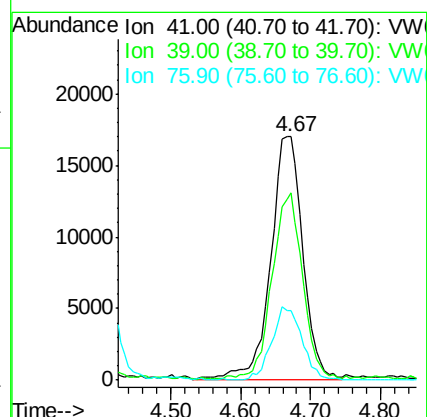
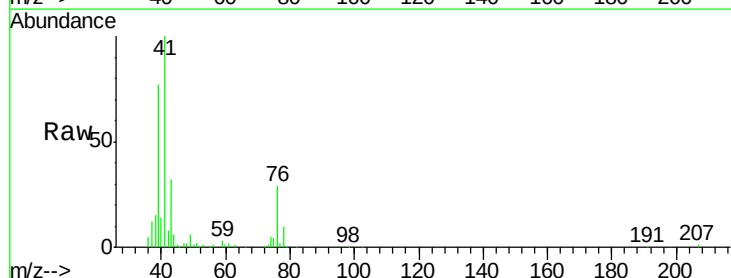
Tgt Ion: 41 Resp: 53939

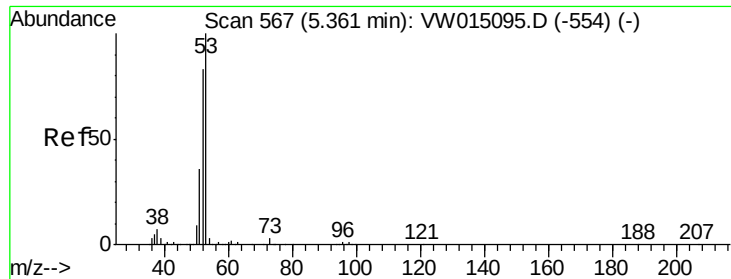
Ion Ratio Lower Upper

41 100

39 73.0 56.9 85.3

76 28.7 23.2 34.8

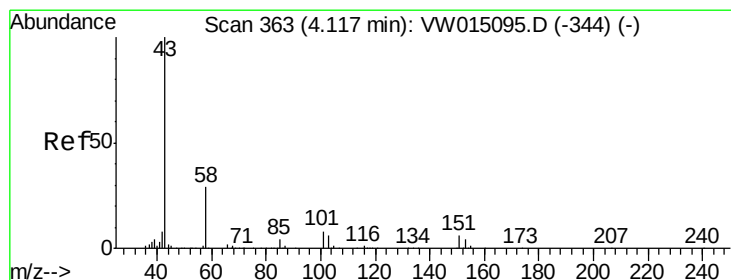
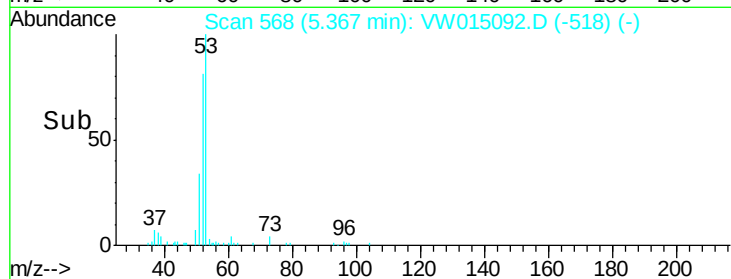
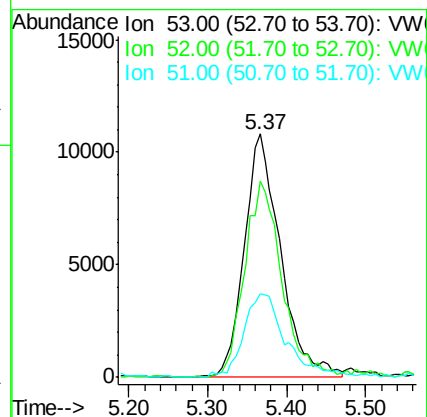
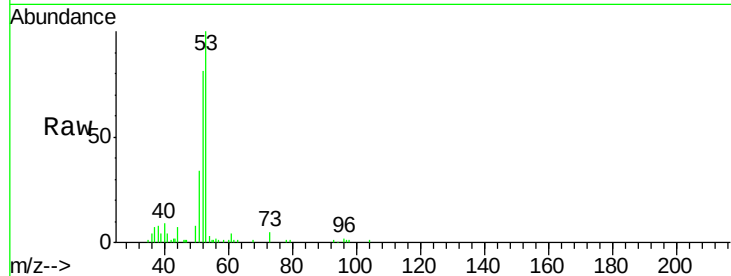




#15
 Acrylonitrile
 Concen: 23.98 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

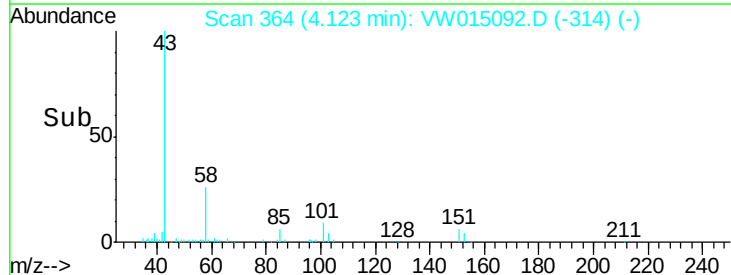
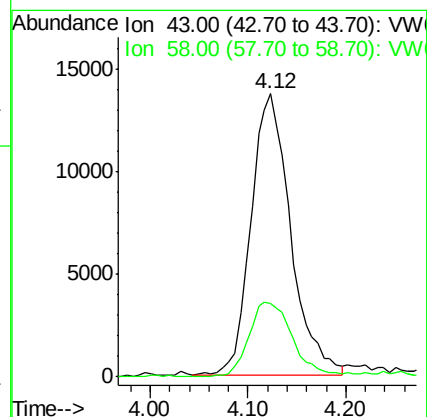
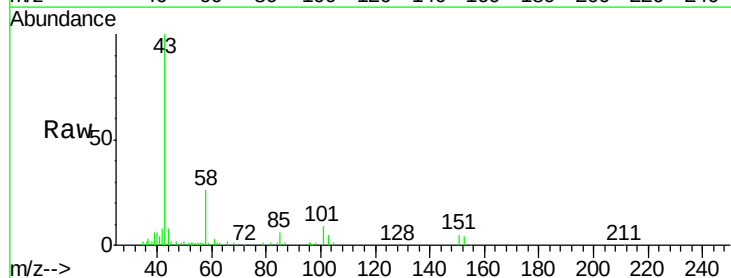
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

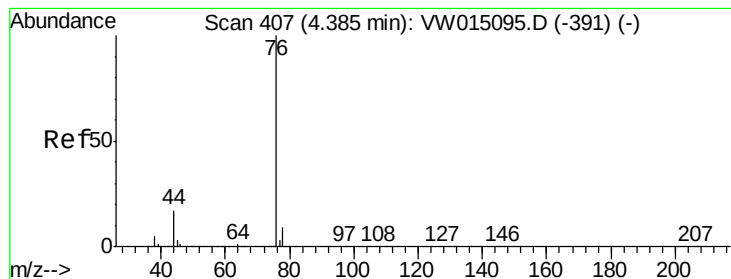
Tgt Ion: 53 Resp: 34496
 Ion Ratio Lower Upper
 53 100
 52 83.1 67.2 100.8
 51 40.0 29.8 44.6



#16
 Acetone
 Concen: 26.65 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion: 43 Resp: 38611
 Ion Ratio Lower Upper
 43 100
 58 26.1 22.9 34.3





#17

Carbon Disulfide

Concen: 5.27 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

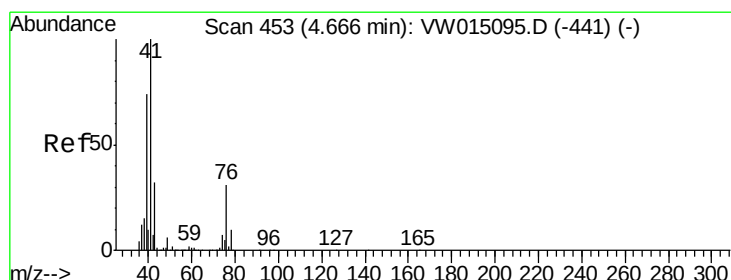
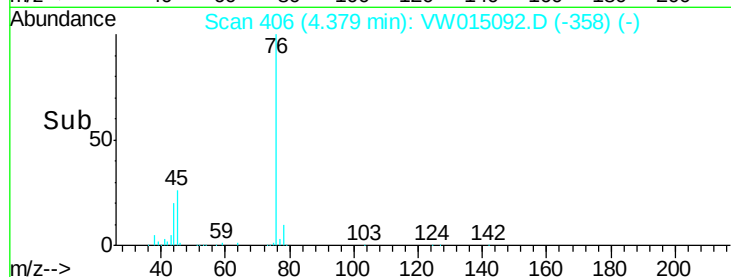
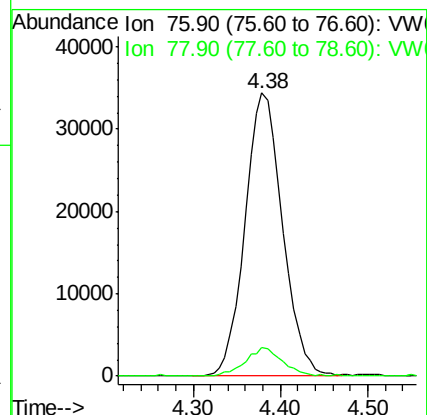
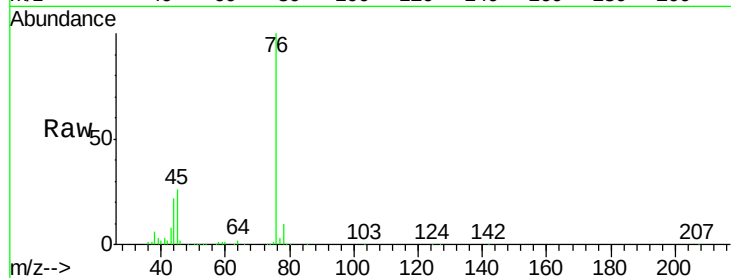
VSTDIC005

Tgt Ion: 76 Resp: 102460

Ion Ratio Lower Upper

76 100

78 10.3 6.9 10.3#



#18

Methyl Acetate

Concen: 4.89 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015092.D

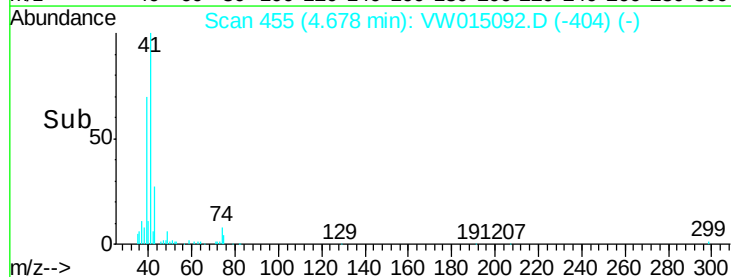
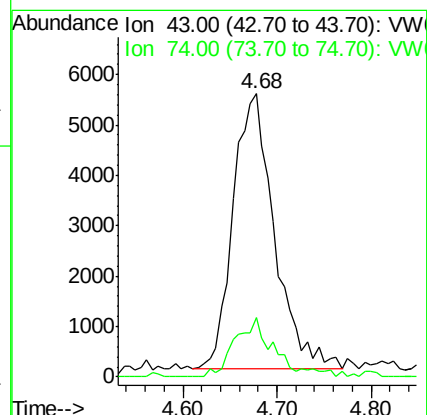
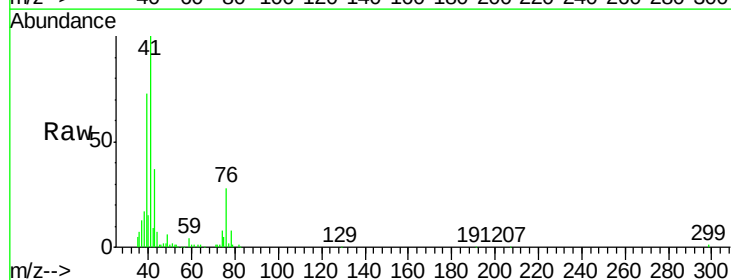
Acq: 09 Mar 2020 10:36

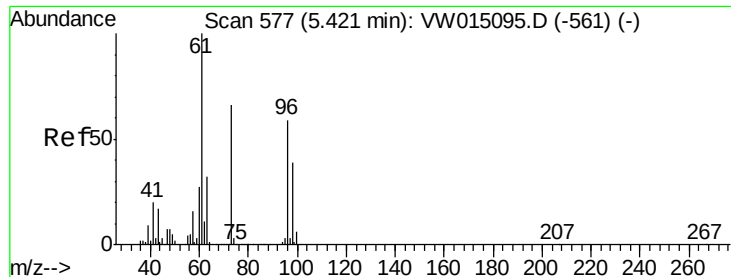
Tgt Ion: 43 Resp: 16786

Ion Ratio Lower Upper

43 100

74 18.7 15.8 23.6

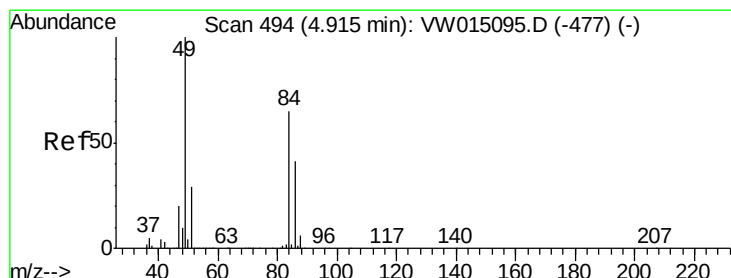
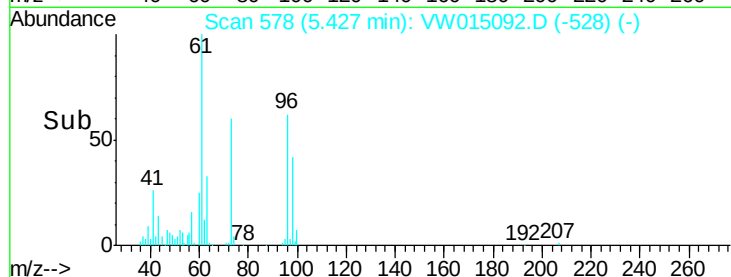
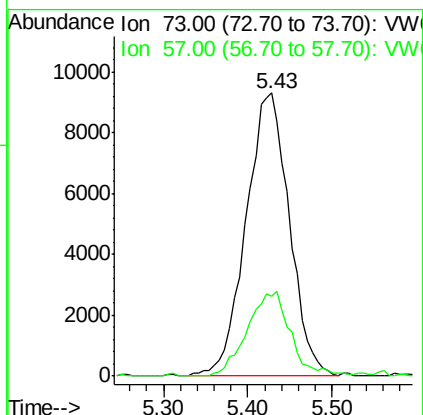
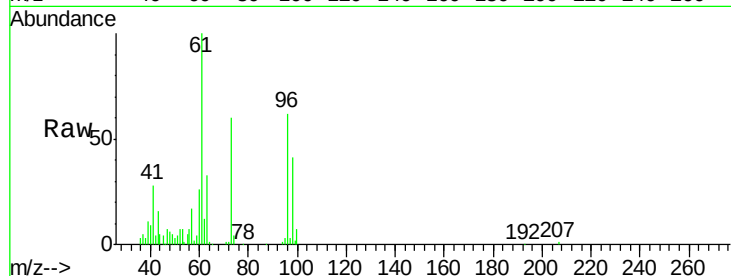




#19
Methyl tert-butyl Ether
Concen: 4.66 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

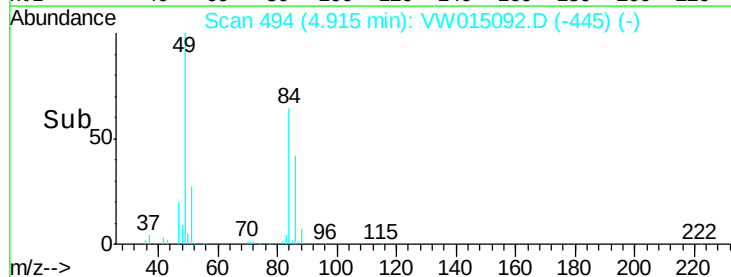
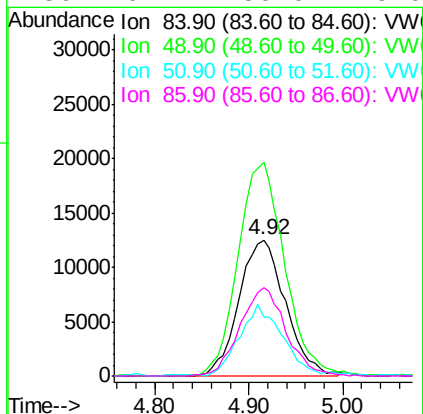
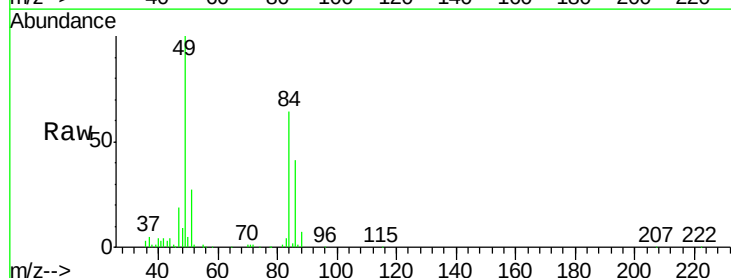
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

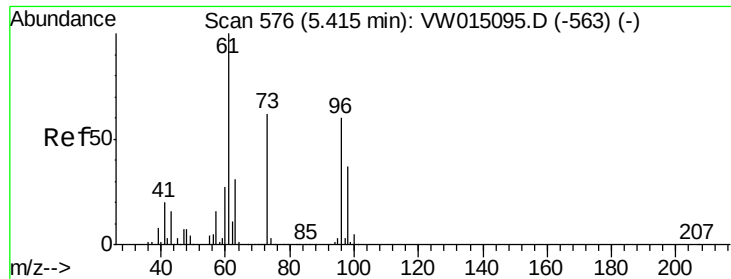
Tgt Ion: 73 Resp: 32709
Ion Ratio Lower Upper
73 100
57 28.2 19.3 28.9



#20
Methylene Chloride
Concen: 6.44 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion: 84 Resp: 43163
Ion Ratio Lower Upper
84 100
49 156.4 122.8 184.2
51 42.5 35.9 53.9
86 64.7 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 5.27 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

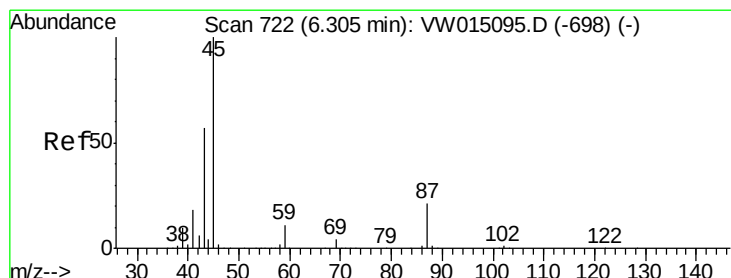
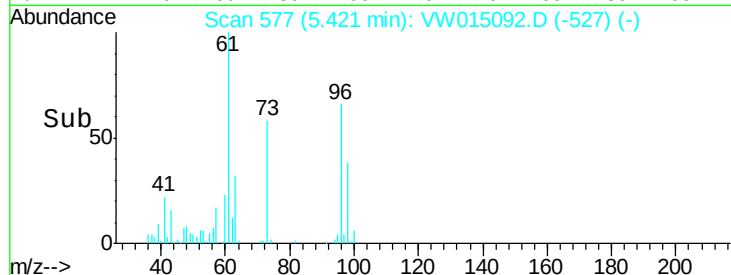
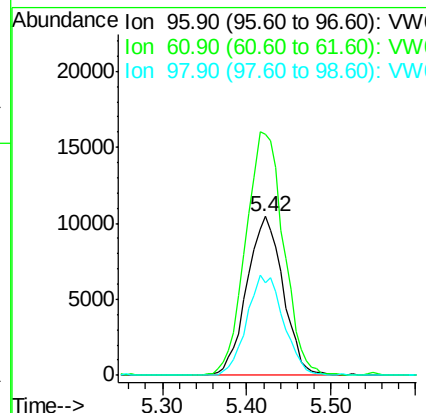
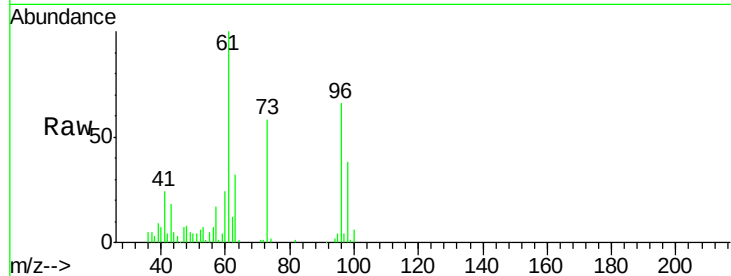
Tgt Ion: 96 Resp: 30701

Ion Ratio Lower Upper

96 100

61 151.5 132.5 198.7

98 57.8 48.9 73.3



#22

Diisopropyl ether

Concen: 4.47 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Tgt Ion: 45 Resp: 94369

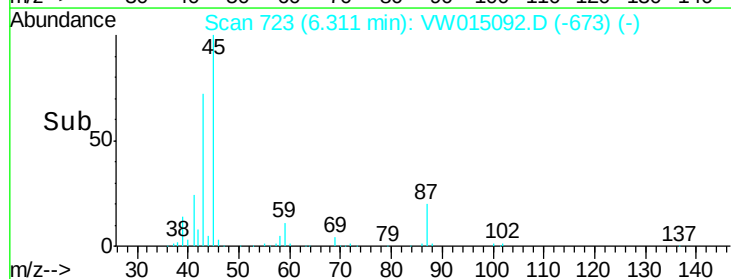
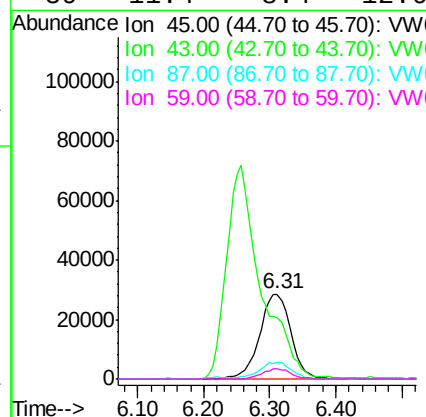
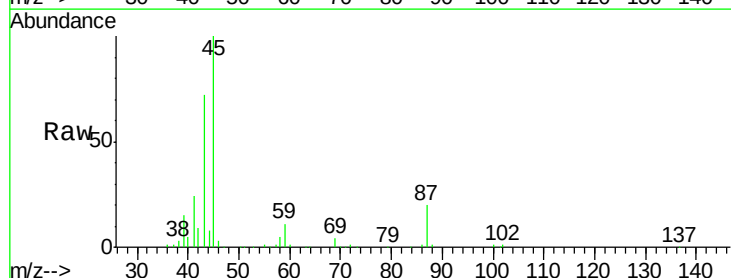
Ion Ratio Lower Upper

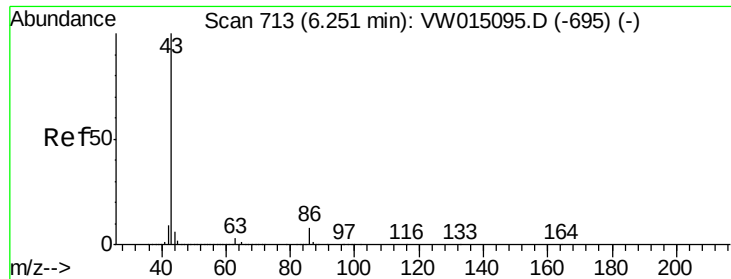
45 100

43 71.9 45.4 68.0#

87 20.1 16.4 24.6

59 11.4 8.4 12.6

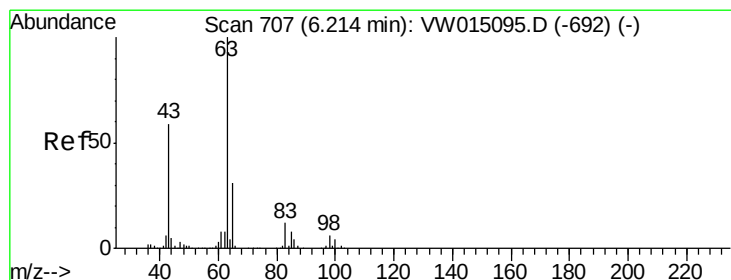
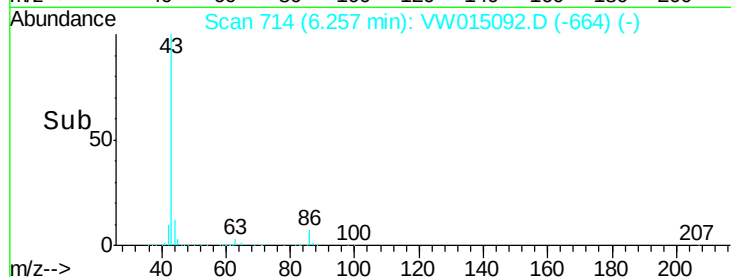
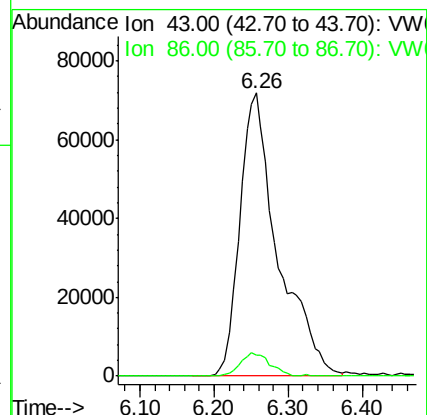
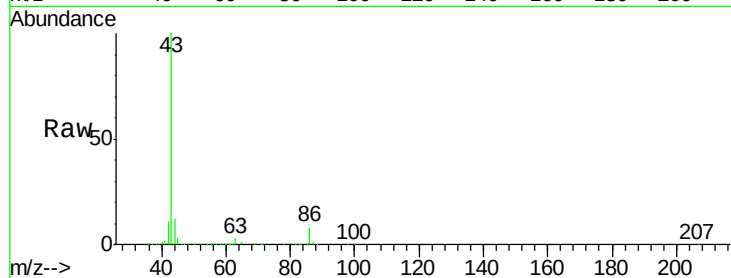




#23
 Vinyl Acetate
 Concen: 20.66 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

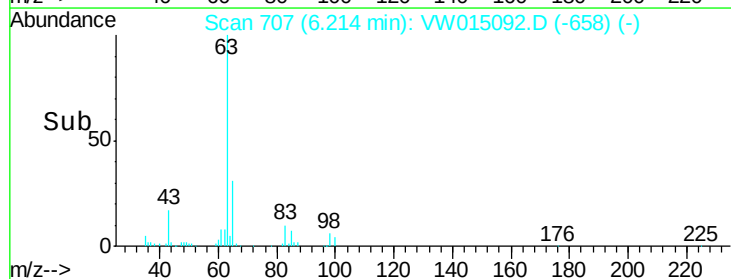
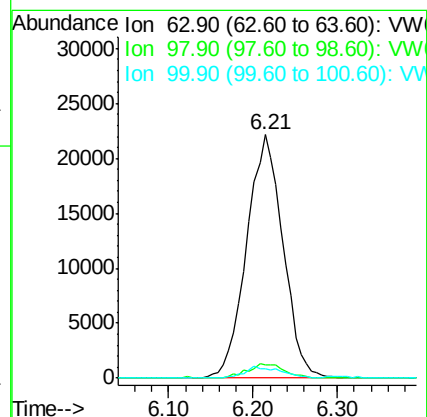
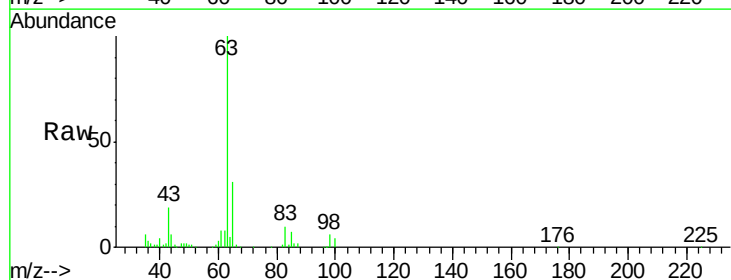
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

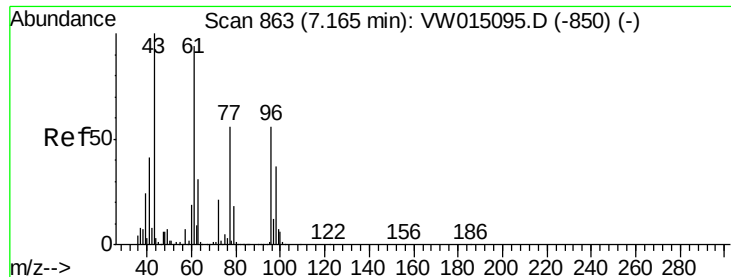
Tgt Ion: 43 Resp: 257350
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.3 9.5



#24
 1,1-Dichloroethane
 Concen: 5.28 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion: 63 Resp: 64944
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.9 8.8
 100 3.9 2.1 6.3





#25

2-Butanone

Concen: 23.03 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

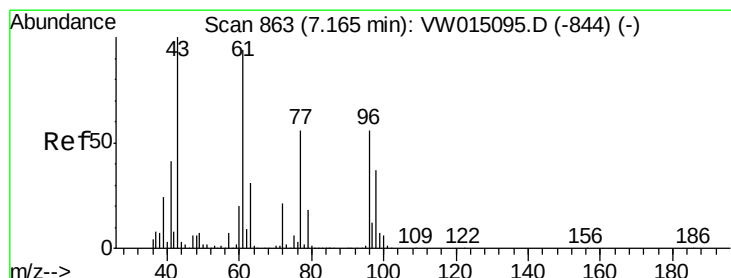
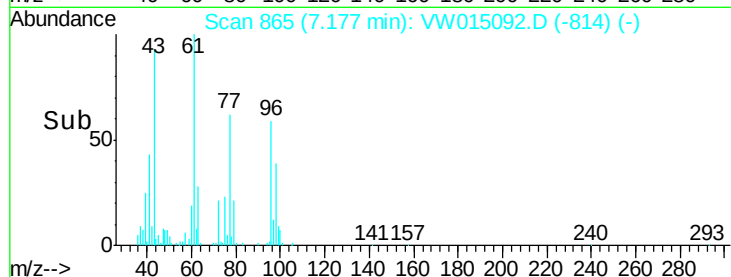
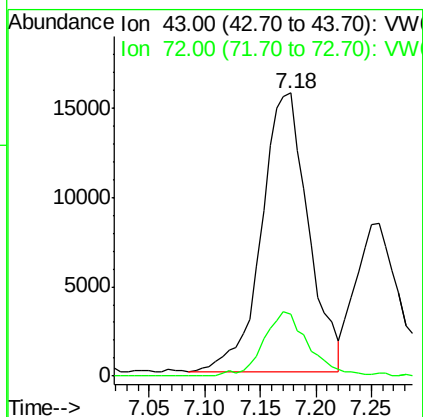
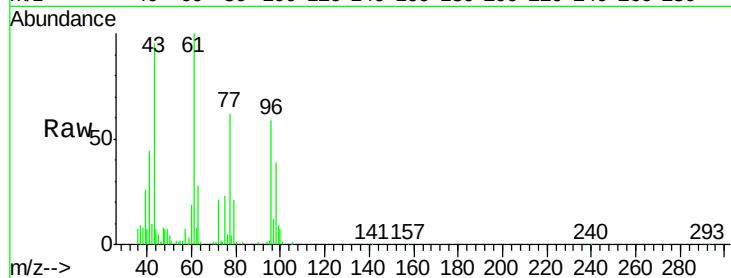
VSTDIC005

Tgt Ion: 43 Resp: 45740

Ion Ratio Lower Upper

43 100

72 22.3 17.0 25.6



#26

2,2-Dichloropropane

Concen: 5.88 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015092.D

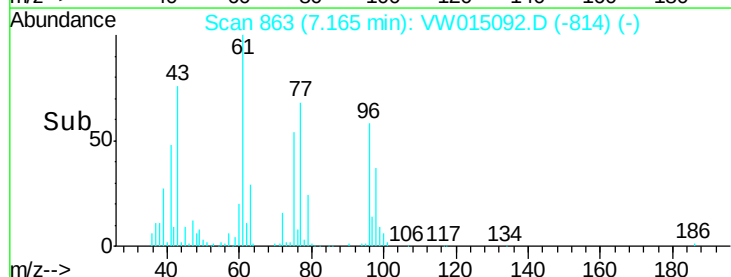
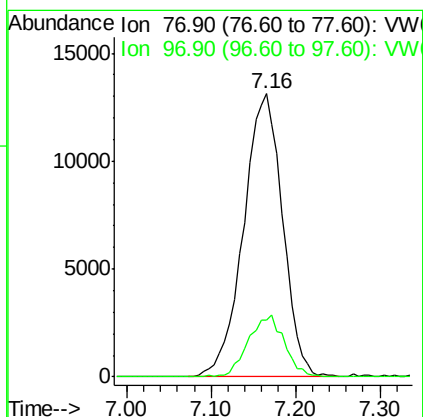
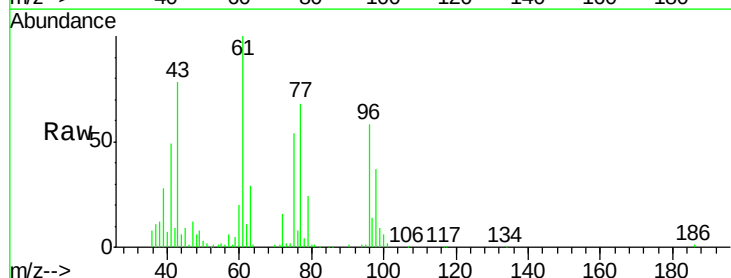
Acq: 09 Mar 2020 10:36

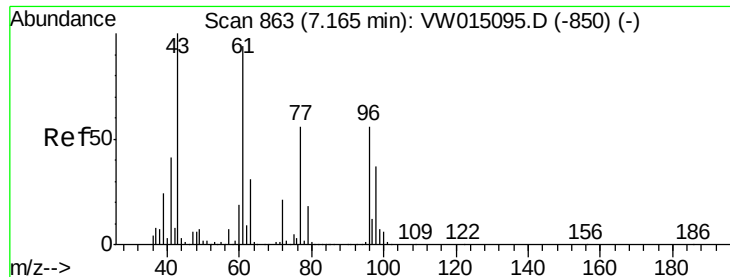
Tgt Ion: 77 Resp: 41361

Ion Ratio Lower Upper

77 100

97 20.0 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 5.03 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

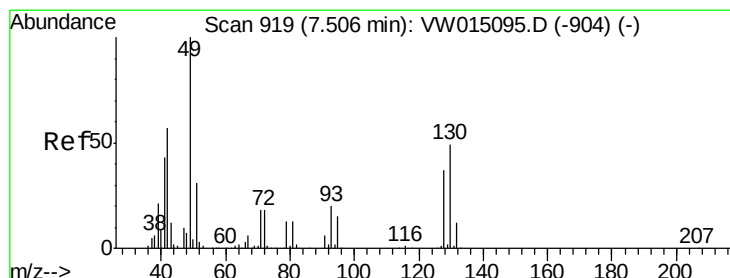
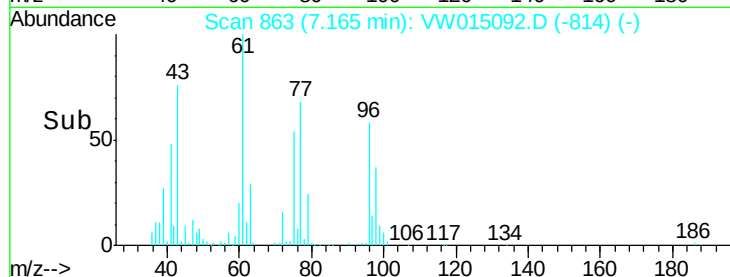
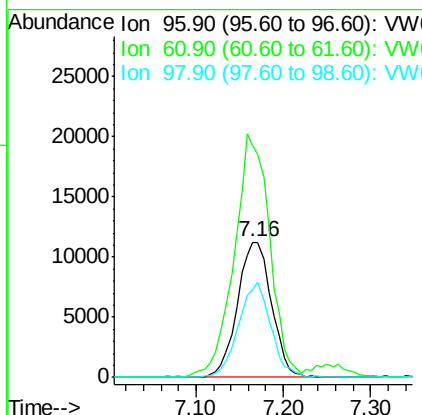
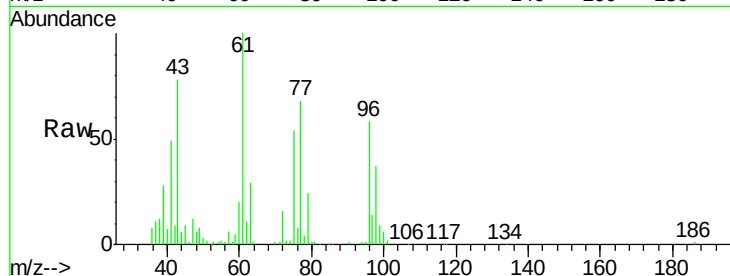
Tgt Ion: 96 Resp: 30517

Ion Ratio Lower Upper

96 100

61 185.1 0.0 343.4

98 66.1 0.0 127.6



#28

Bromochloromethane

Concen: 5.29 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

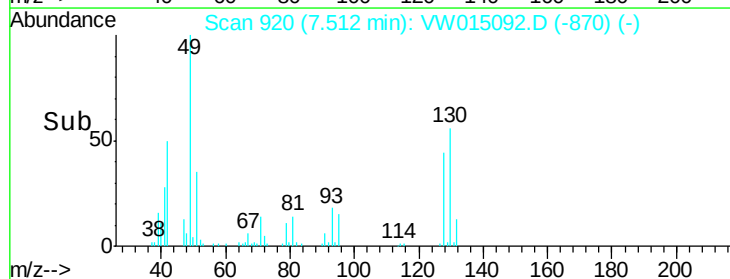
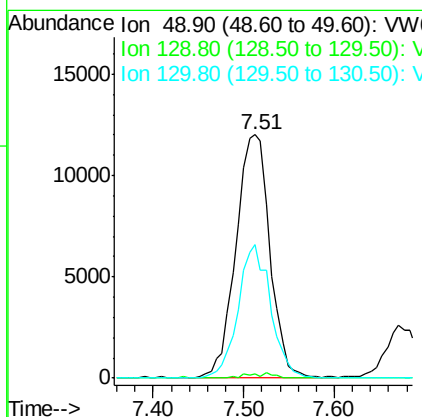
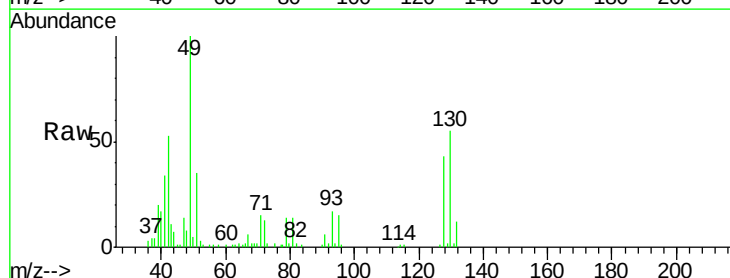
Tgt Ion: 49 Resp: 31176

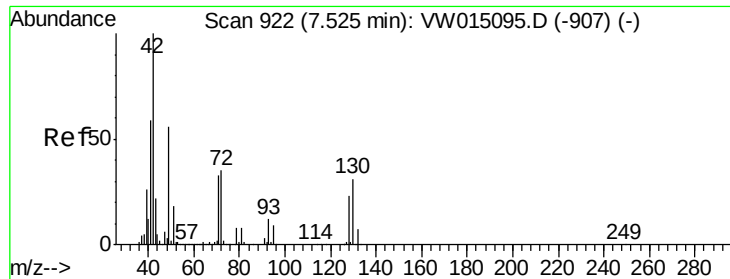
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.0

130 52.5 39.8 59.6





#29

Tetrahydrofuran

Concen: 20.34 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

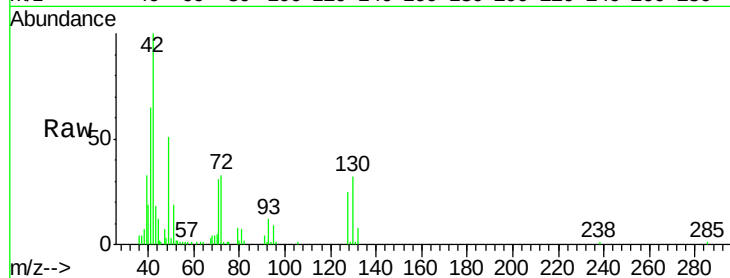
Tgt Ion: 42 Resp: 25267

Ion Ratio Lower Upper

42 100

72 35.6 27.8 41.6

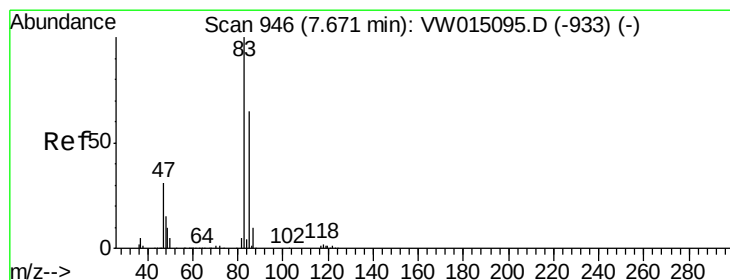
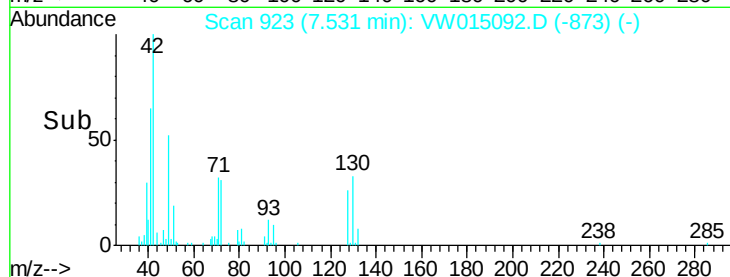
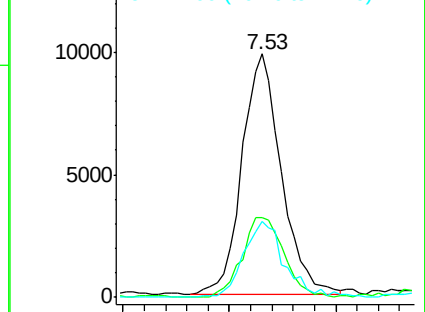
71 33.2 26.4 39.6



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 5.41 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW015092.D

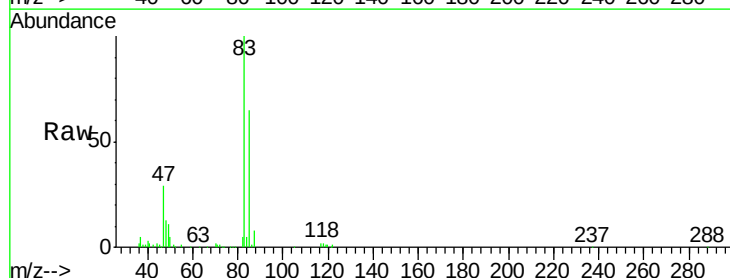
Acq: 09 Mar 2020 10:36

Tgt Ion: 83 Resp: 59038

Ion Ratio Lower Upper

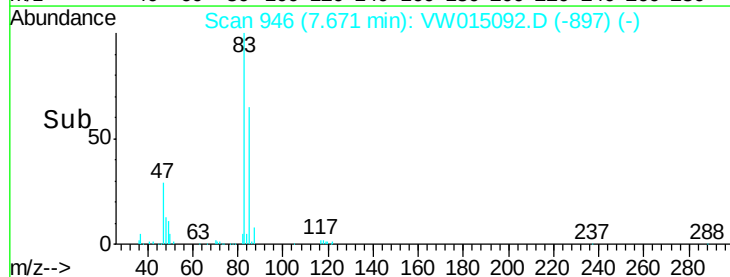
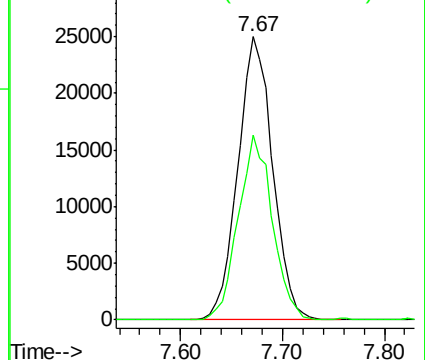
83 100

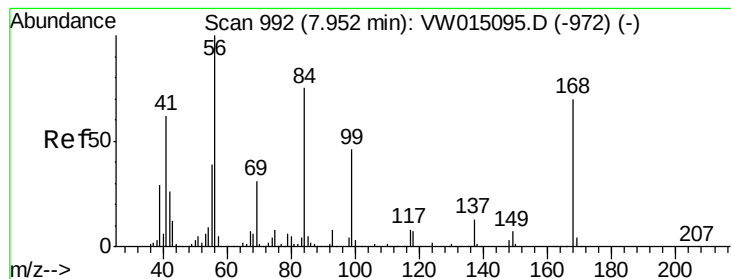
85 65.4 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 5.63 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

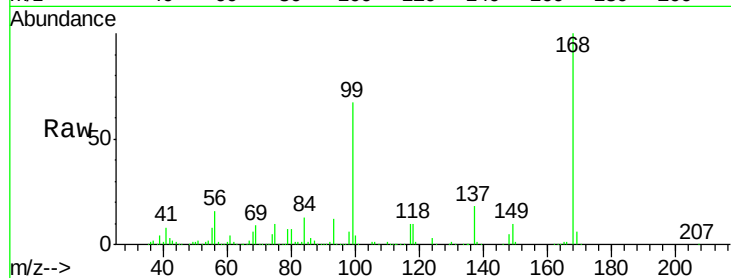
Tgt Ion: 56 Resp: 71231

Ion Ratio Lower Upper

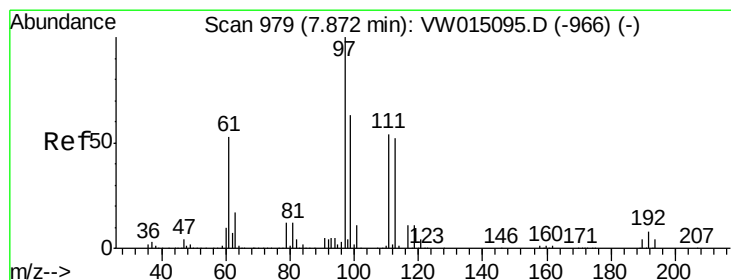
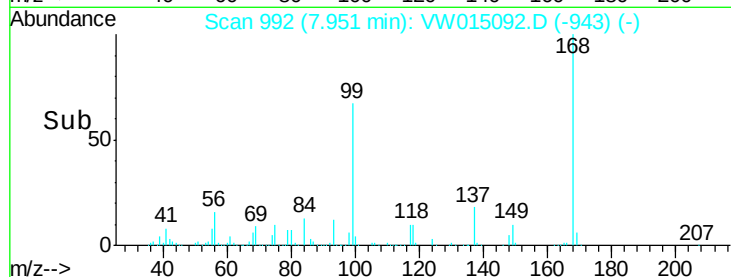
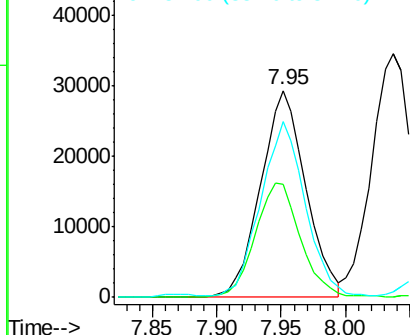
56 100

69 54.5 24.6 37.0#

84 83.8 59.9 89.9



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



#32

1,1,1-Trichloroethane

Concen: 5.36 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

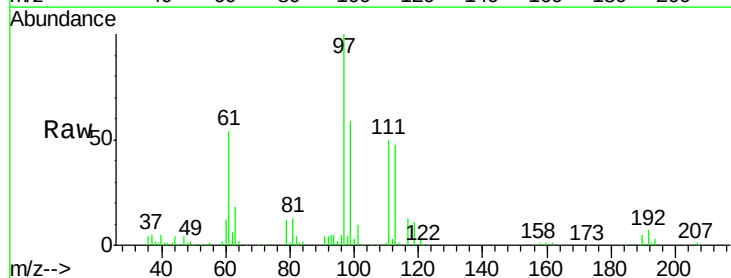
Tgt Ion: 97 Resp: 45721

Ion Ratio Lower Upper

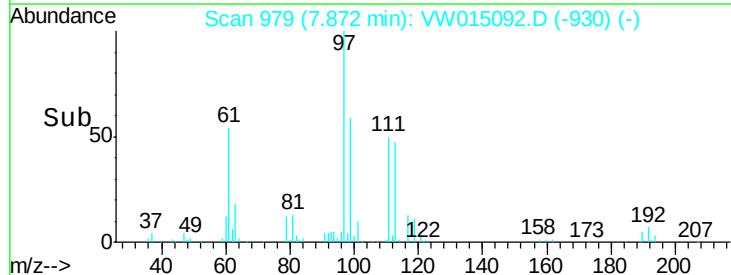
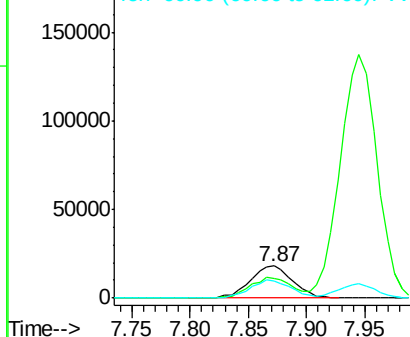
97 100

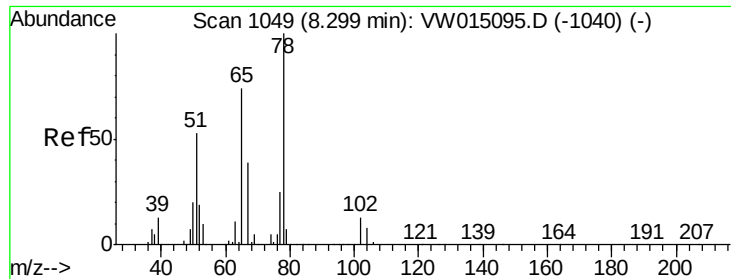
99 65.4 51.3 76.9

61 55.4 44.0 66.0



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

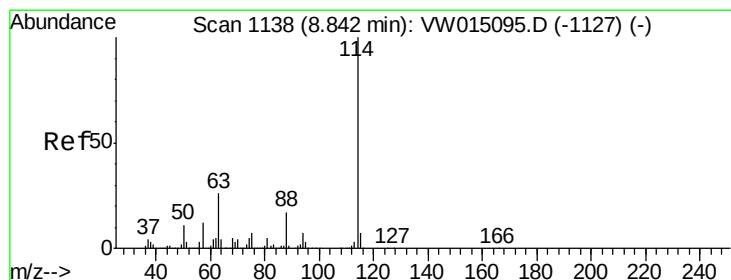
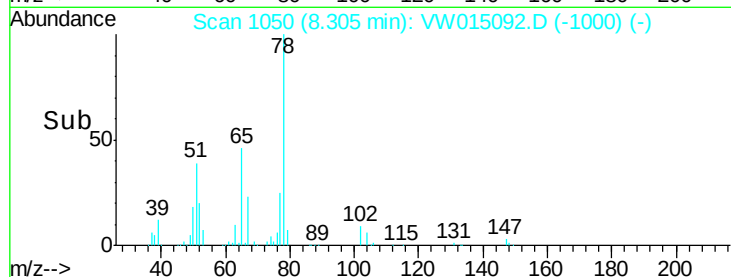
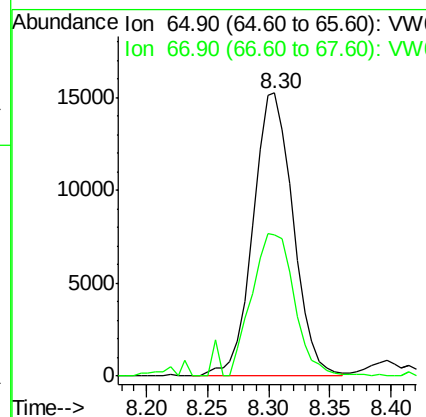
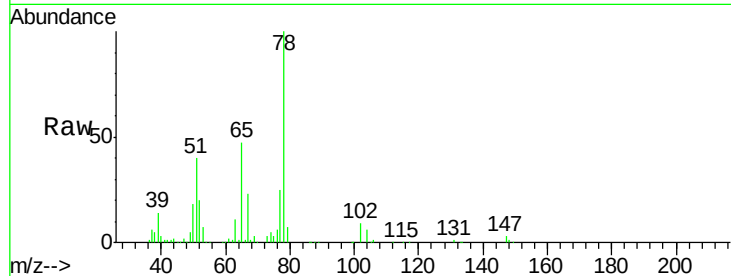




#33
 1,2-Dichloroethane-d4
 Concen: 5.48 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

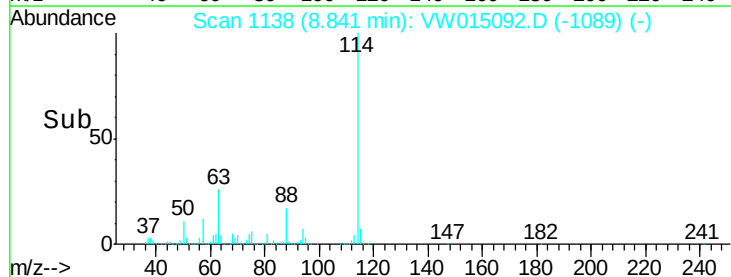
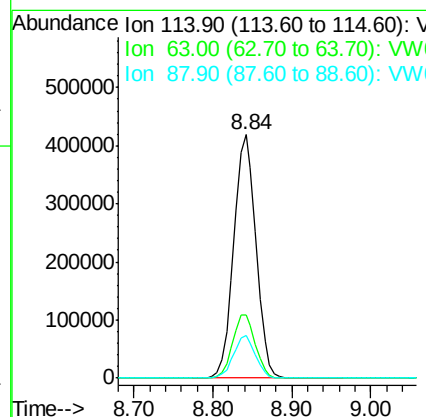
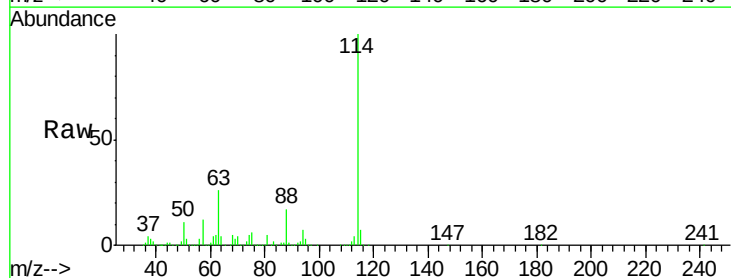
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

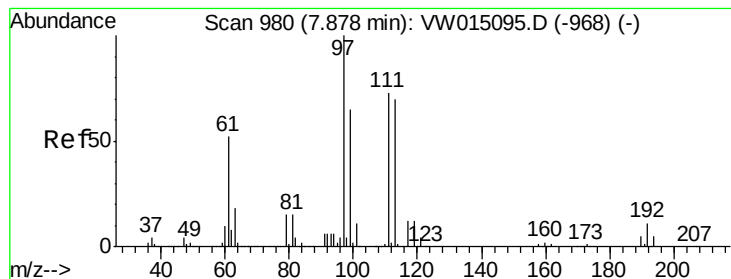
Tgt Ion: 65 Resp: 34792
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion: 114 Resp: 819465
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 52.0
 88 17.3 0.0 34.2





#35

Dibromofluoromethane

Concen: 5.36 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

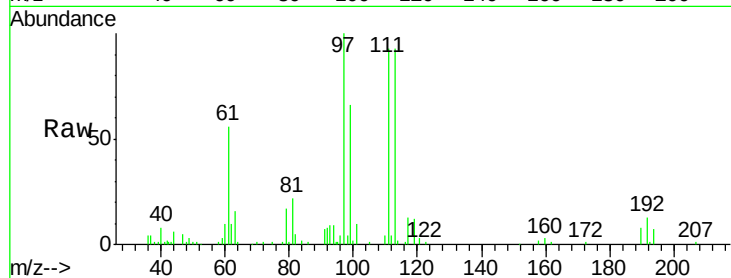
Tgt Ion:113 Resp: 26312

Ion Ratio Lower Upper

113 100

111 103.1 83.6 125.4

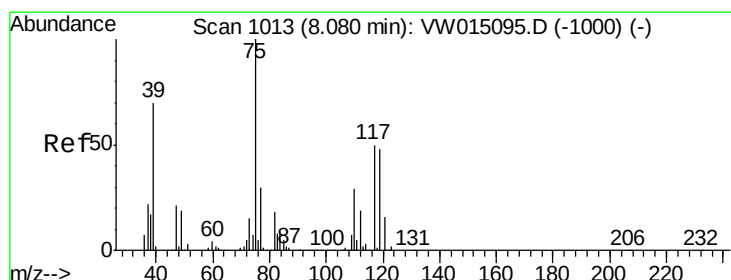
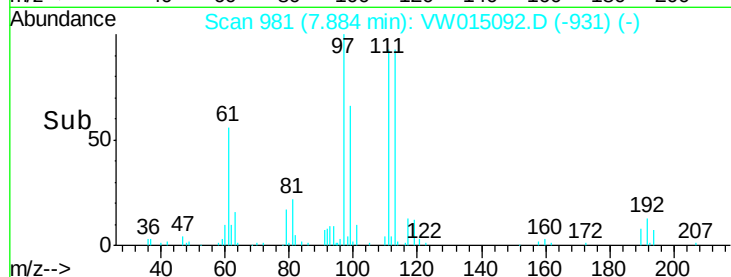
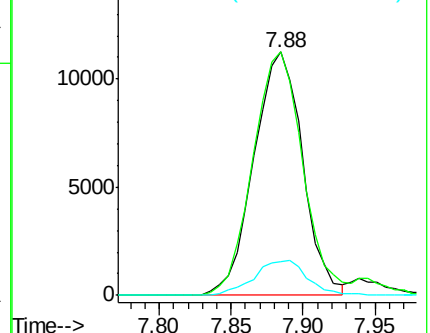
192 15.6 12.4 18.6



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: 4.89 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

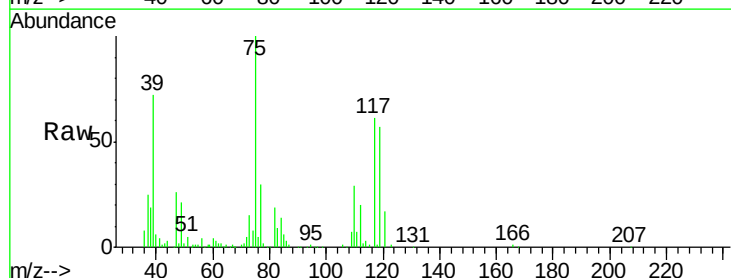
Tgt Ion: 75 Resp: 46450

Ion Ratio Lower Upper

75 100

110 31.1 14.7 44.1

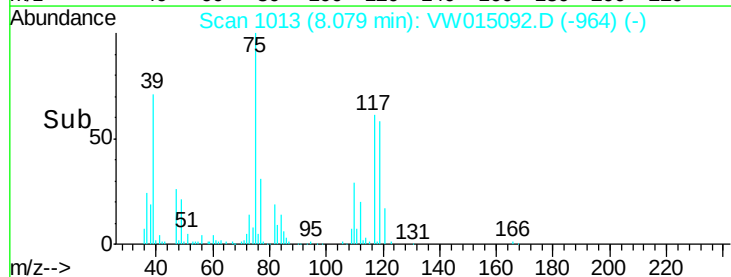
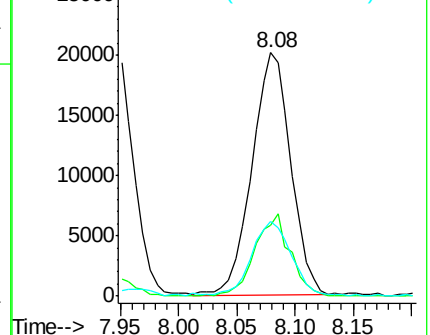
77 32.4 24.2 36.4

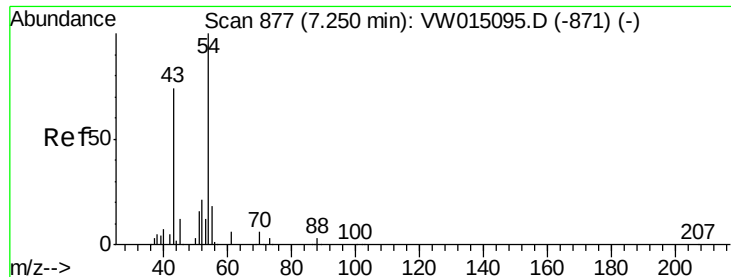


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

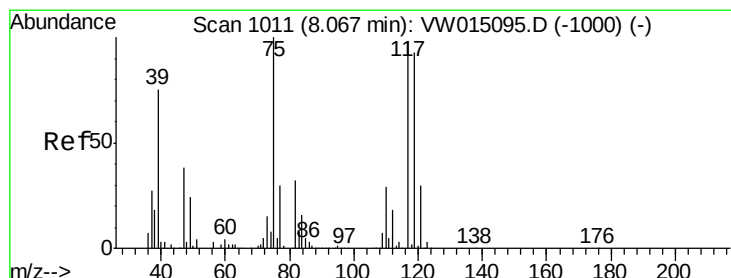
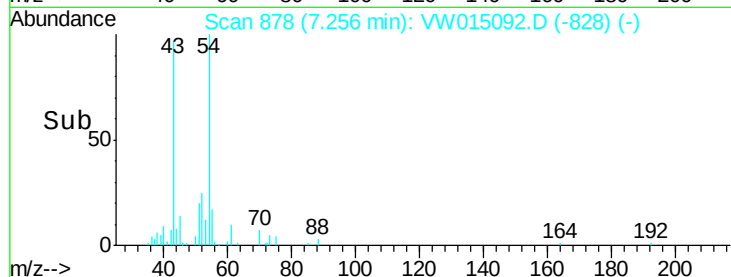
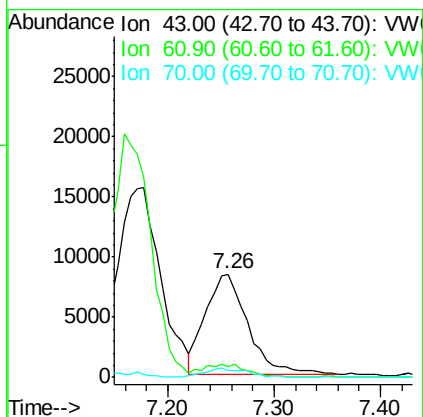
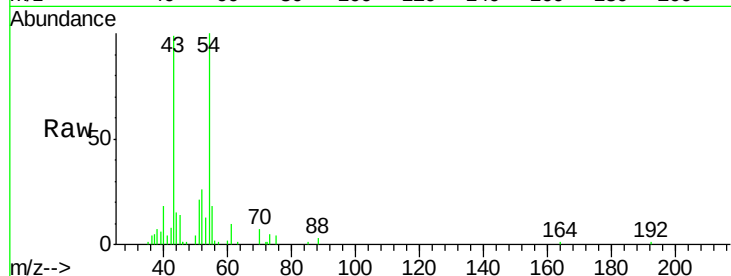




#37
Ethyl Acetate
Concen: 4.83 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

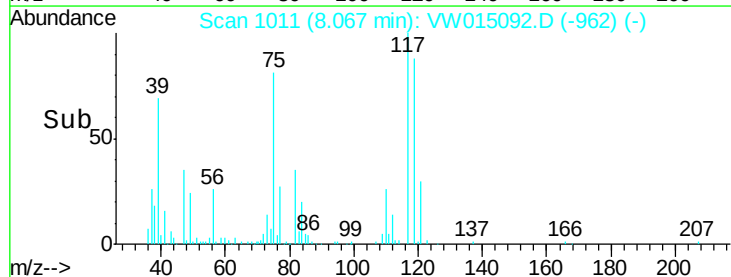
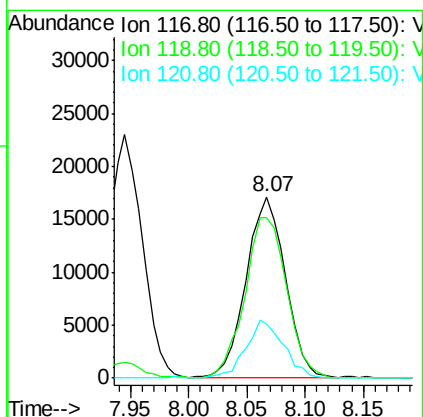
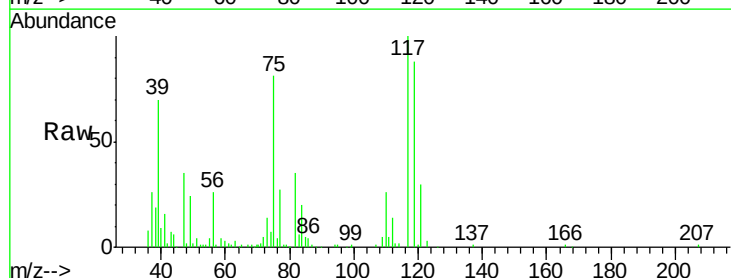
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

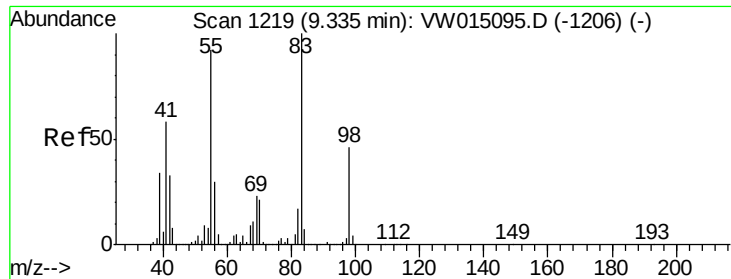
Tgt Ion: 43 Resp: 22862
Ion Ratio Lower Upper
43 100
61 11.6 9.6 14.4
70 7.5 6.5 9.7



#38
Carbon Tetrachloride
Concen: 5.24 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion: 117 Resp: 40507
Ion Ratio Lower Upper
117 100
119 88.2 75.8 113.8
121 30.1 24.5 36.7

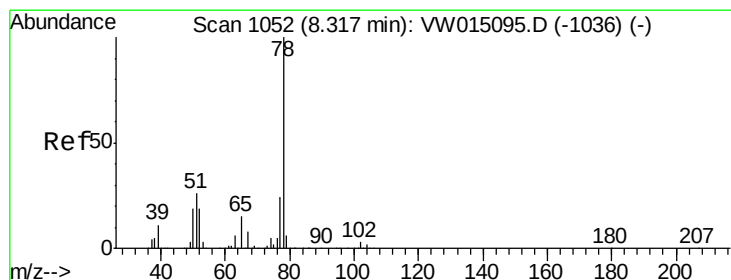
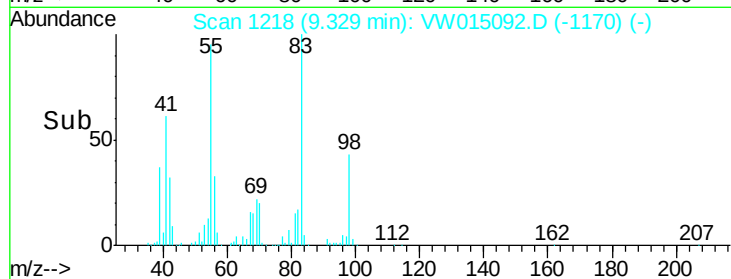
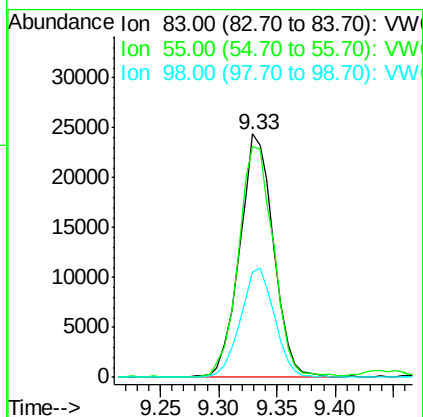
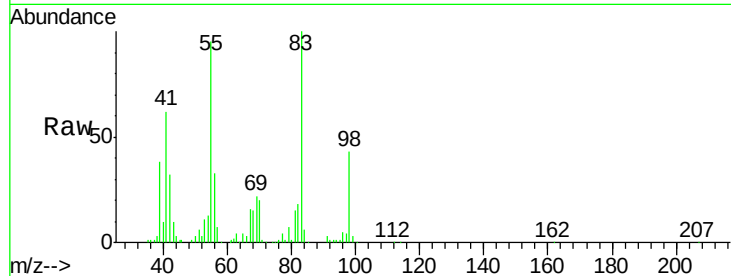




#39
Methylcyclohexane
Concen: 4.55 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

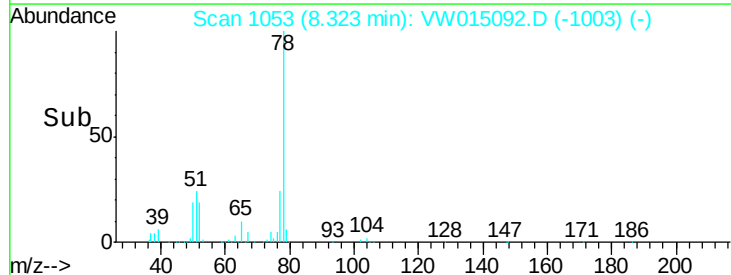
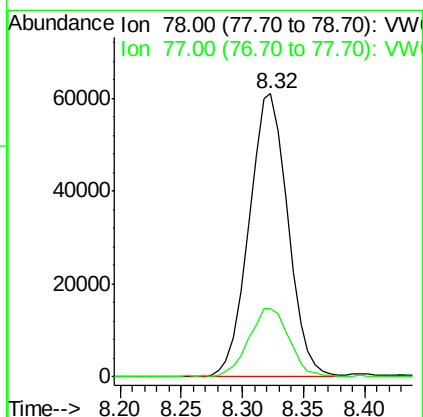
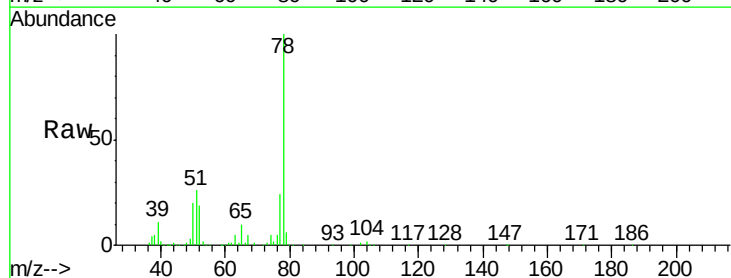
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

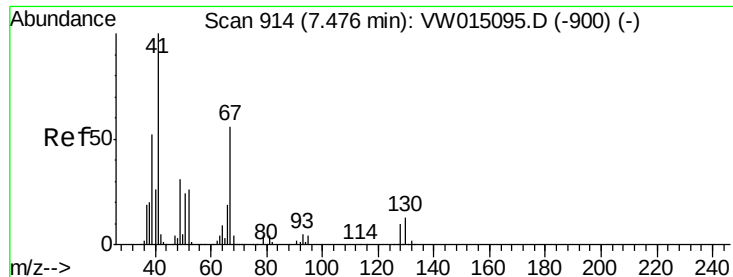
Tgt Ion: 83 Resp: 49494
Ion Ratio Lower Upper
83 100
55 94.6 73.5 110.3
98 43.1 37.2 55.8



#40
Benzene
Concen: 5.10 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion: 78 Resp: 134592
Ion Ratio Lower Upper
78 100
77 24.0 19.5 29.3

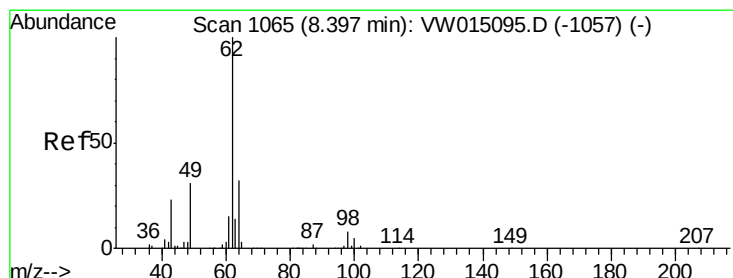
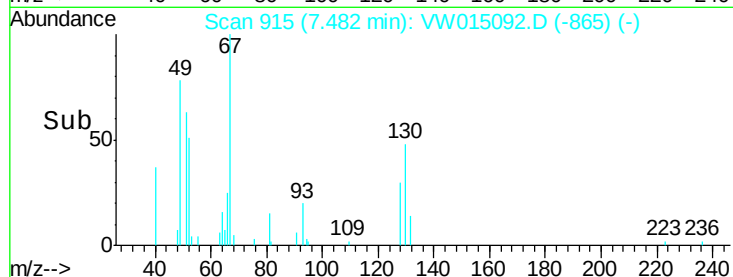
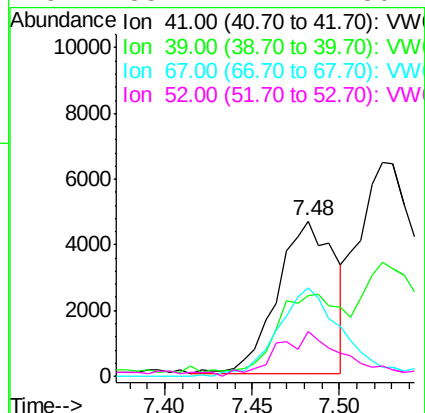
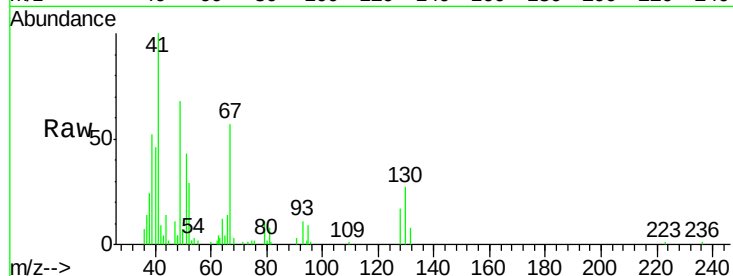




#41
Methacrylonitrile
Concen: 4.22 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

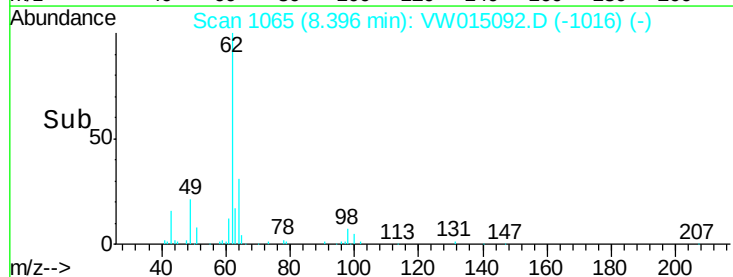
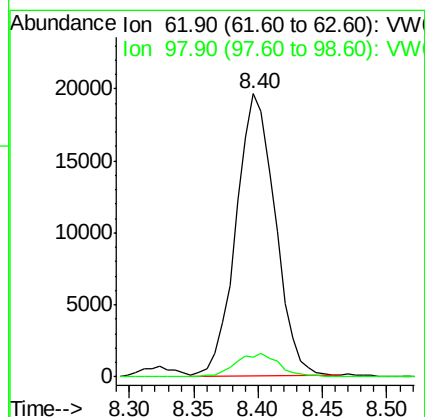
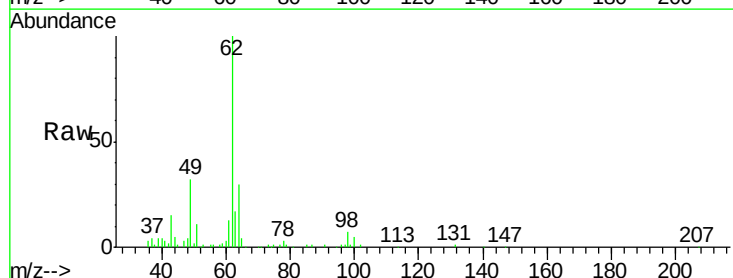
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

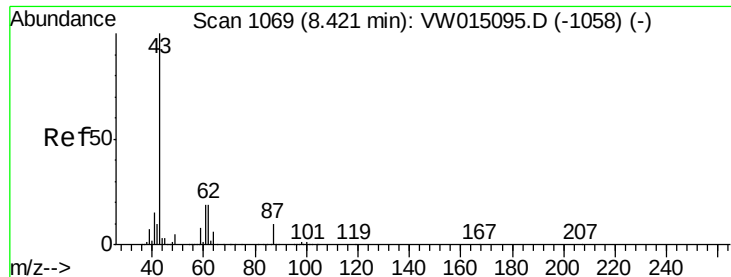
Tgt Ion:	41	Resp:	10569
Ion	Ratio	Lower	Upper
41	100		
39	59.0	49.0	73.4
67	66.8	50.4	75.6
52	33.7	24.2	36.4



#42
1,2-Dichloroethane
Concen: 5.14 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion:	62	Resp:	41334
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	16.0





#43

Isopropyl Acetate

Concen: 4.34 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

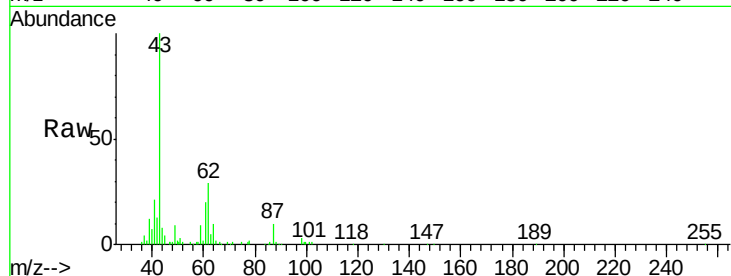
Tgt Ion: 43 Resp: 36882

Ion Ratio Lower Upper

43 100

61 30.7 21.8 32.8

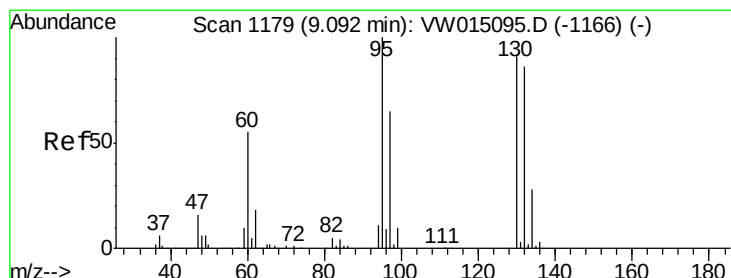
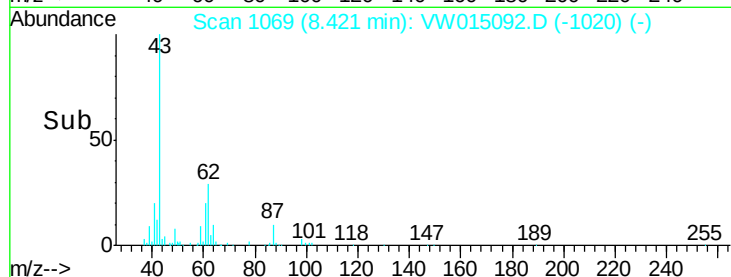
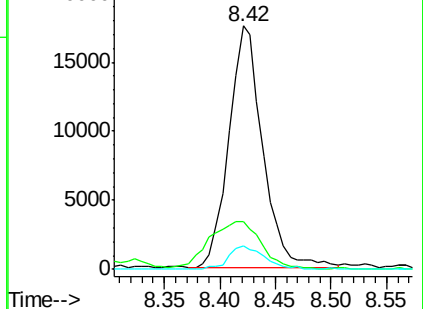
87 10.3 8.0 12.0



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: 5.17 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015092.D

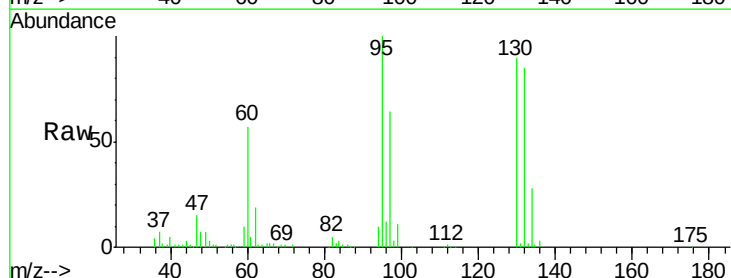
Acq: 09 Mar 2020 10:36

Tgt Ion: 130 Resp: 29038

Ion Ratio Lower Upper

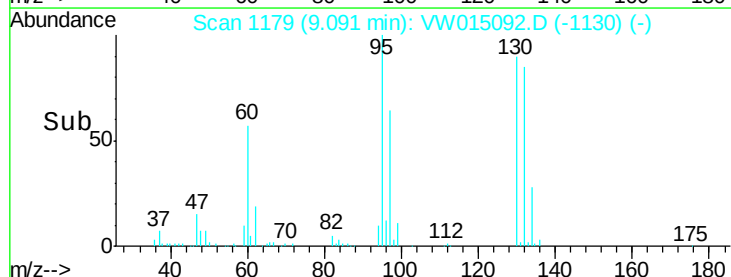
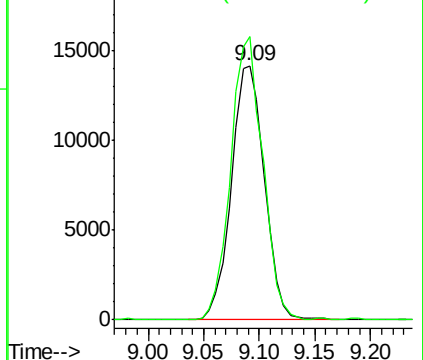
130 100

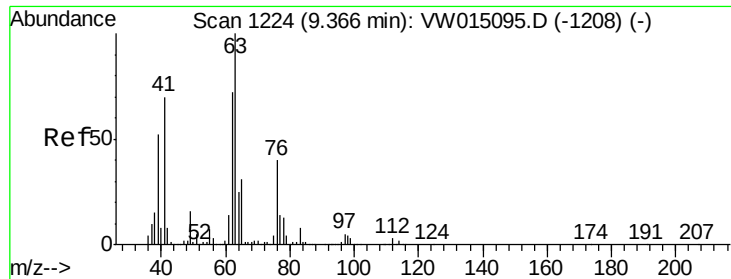
95 111.2 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

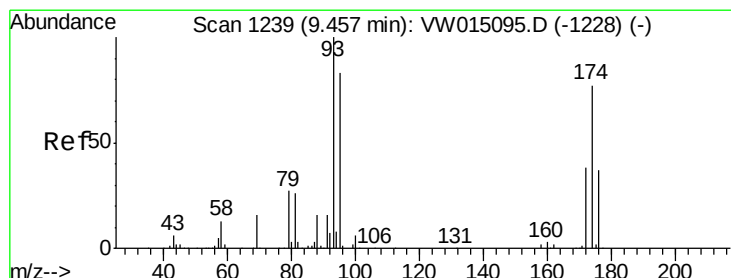
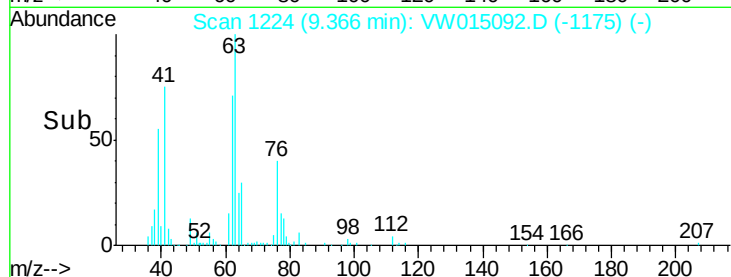
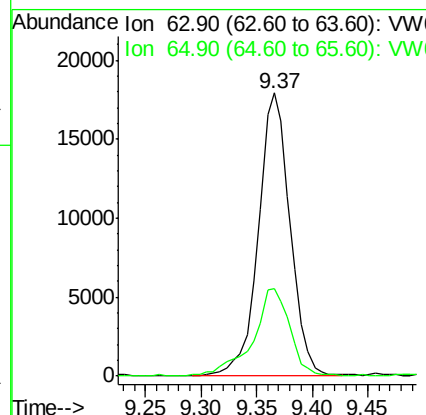
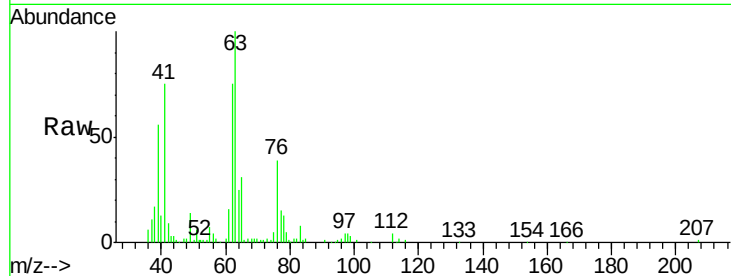




#45
 1,2-Dichloropropane
 Concen: 5.02 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

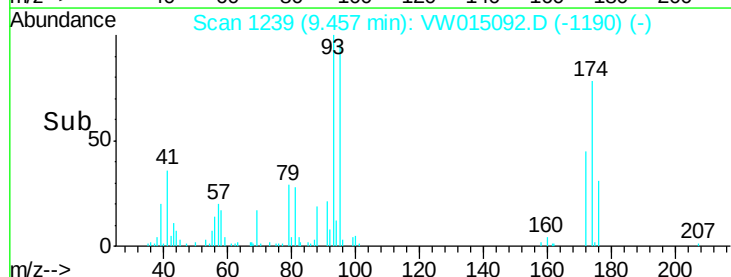
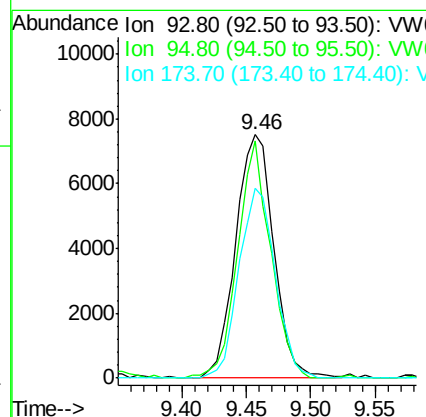
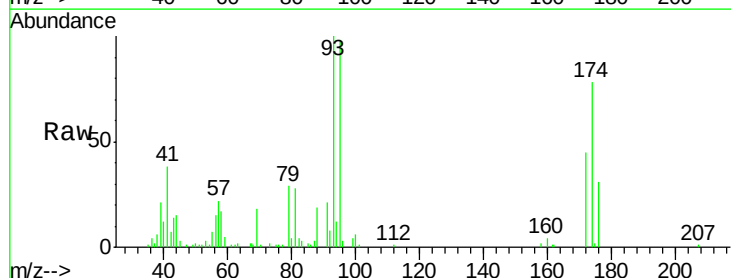
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

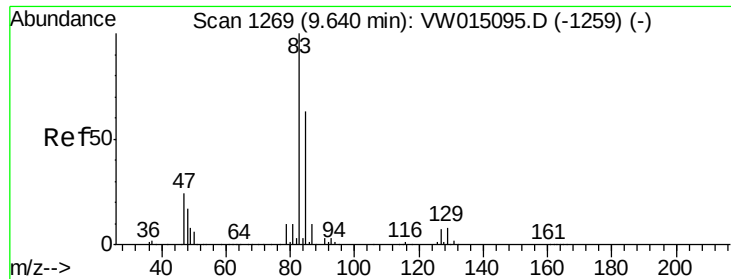
Tgt Ion: 63 Resp: 35712
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8



#46
 Dibromomethane
 Concen: 4.99 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion: 93 Resp: 15441
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.6 100.0
 174 73.9 60.6 91.0

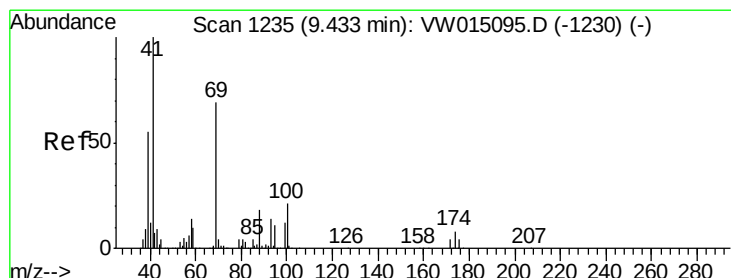
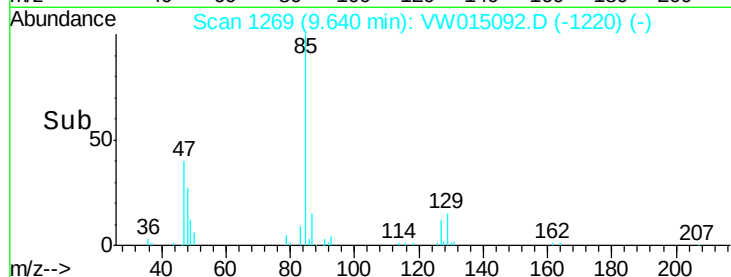
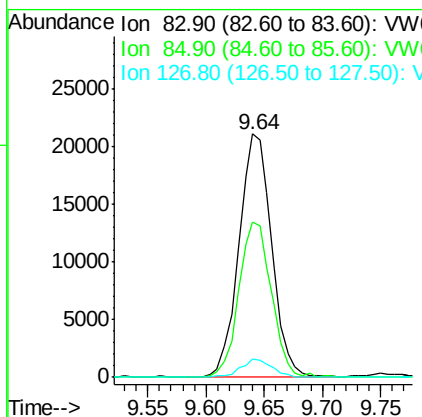
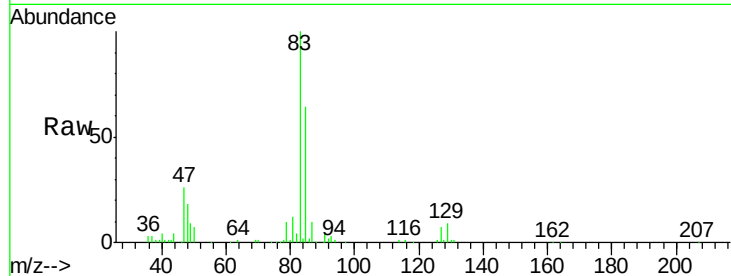




#47
 Bromodichloromethane
 Concen: 5.02 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

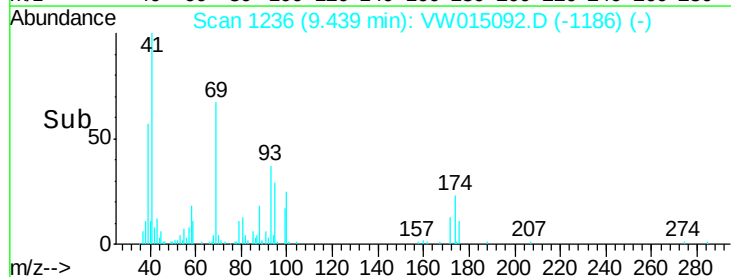
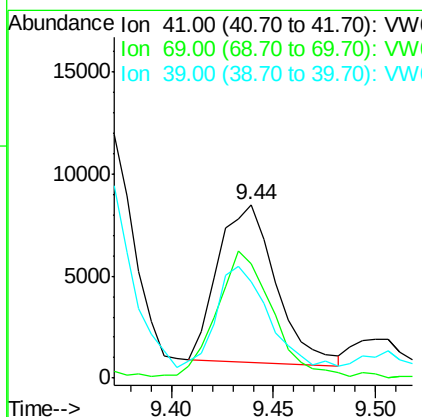
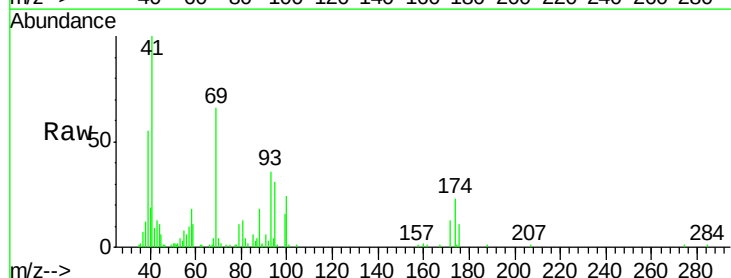
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

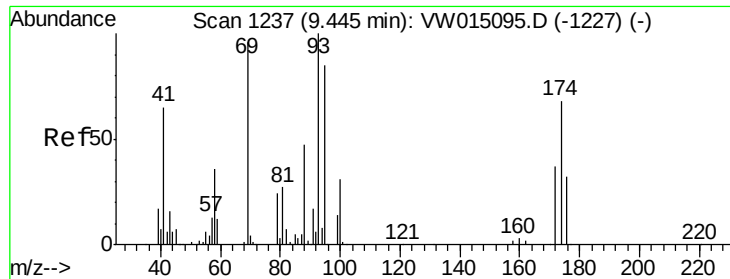
Tgt Ion: 83 Resp: 41439
 Ion Ratio Lower Upper
 83 100
 85 63.6 50.7 76.1
 127 7.5 5.5 8.3



#48
 Methyl methacrylate
 Concen: 3.89 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion: 41 Resp: 15229
 Ion Ratio Lower Upper
 41 100
 69 79.2 58.7 88.1
 39 60.8 45.1 67.7





#49

1,4-Dioxane

Concen: 92.70 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

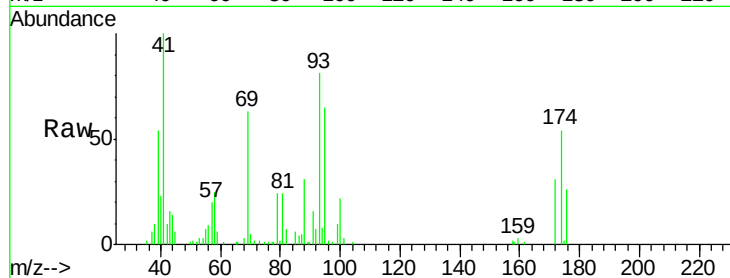
Tgt Ion: 88 Resp: 4389

Ion Ratio Lower Upper

88 100

43 54.3 35.8 53.8#

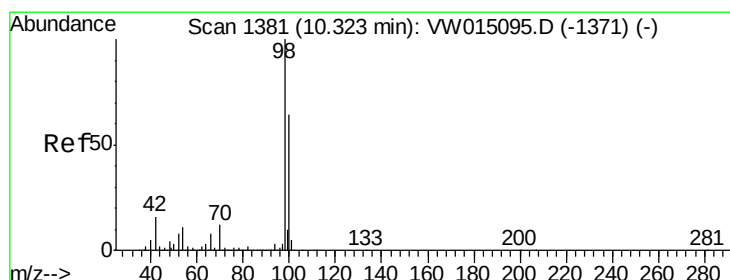
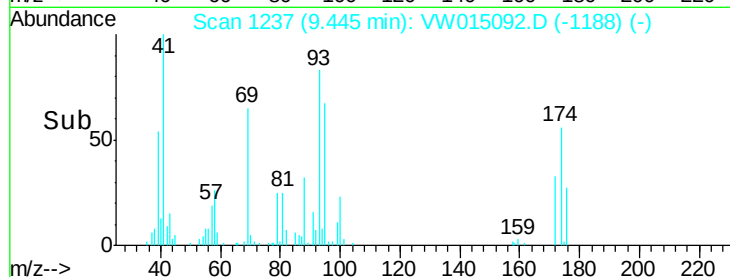
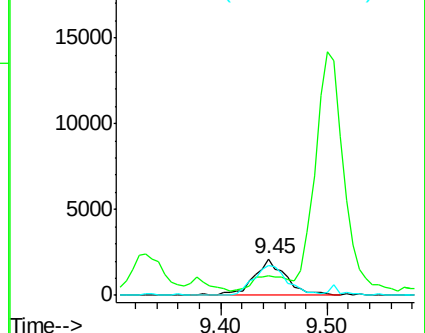
58 89.3 64.0 96.0



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: 4.93 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015092.D

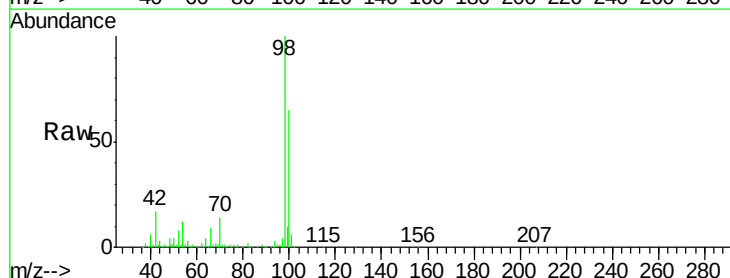
Acq: 09 Mar 2020 10:36

Tgt Ion: 98 Resp: 101389

Ion Ratio Lower Upper

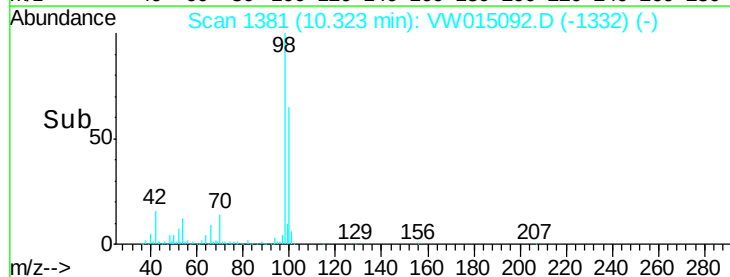
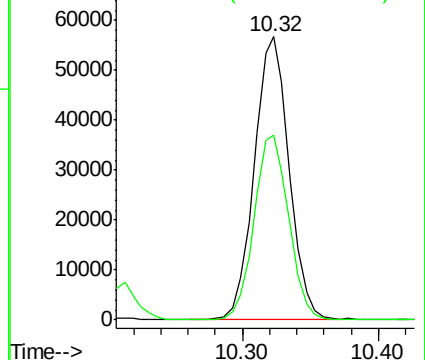
98 100

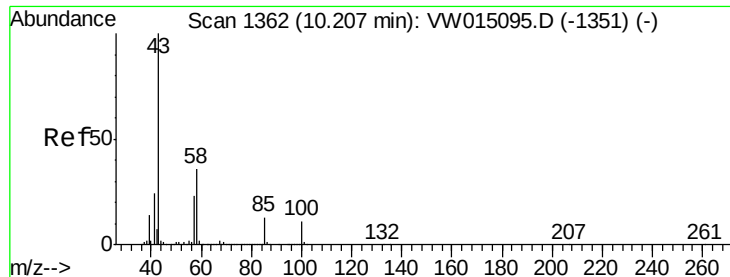
100 65.1 52.2 78.2



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: 25.24 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

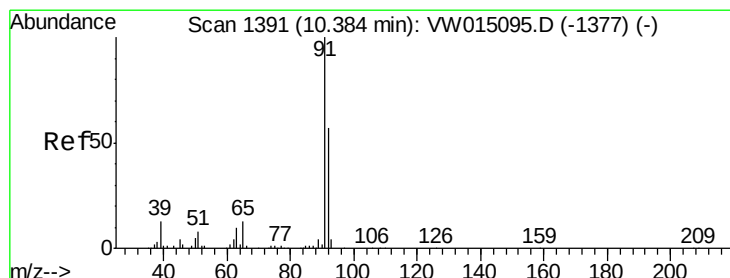
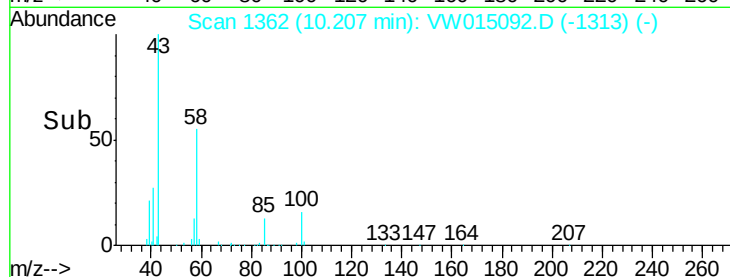
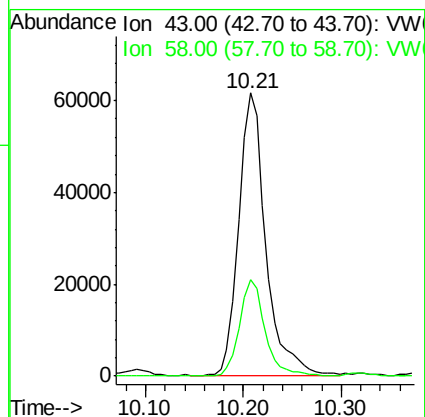
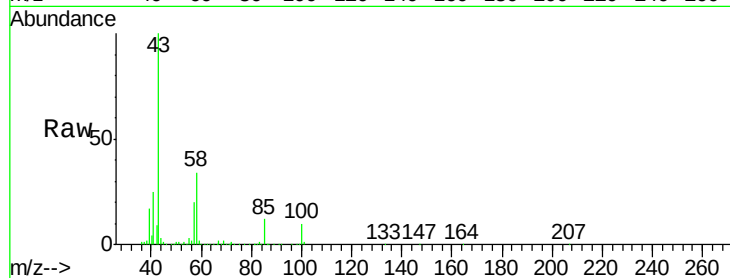
VSTDIC005

Tgt Ion: 43 Resp: 118394

Ion Ratio Lower Upper

43 100

58 32.3 28.0 42.0



#52

Toluene

Concen: 4.78 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015092.D

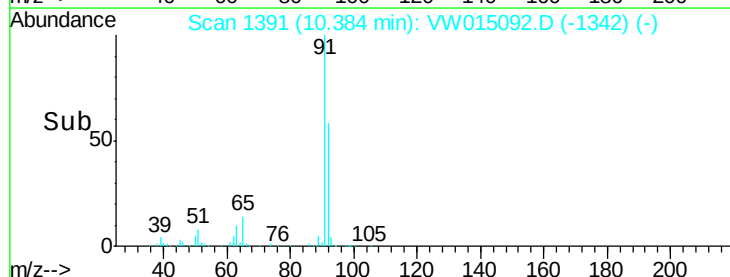
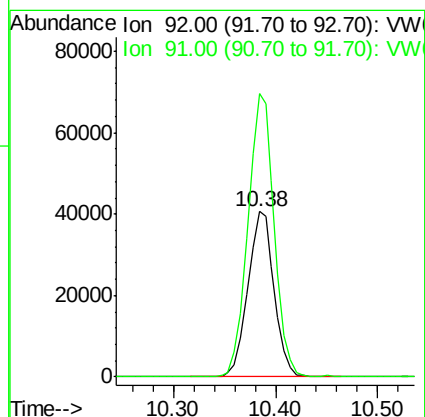
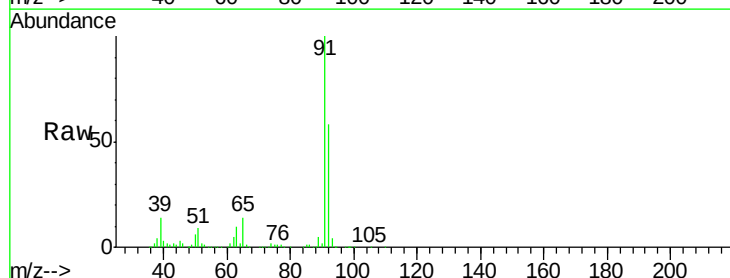
Acq: 09 Mar 2020 10:36

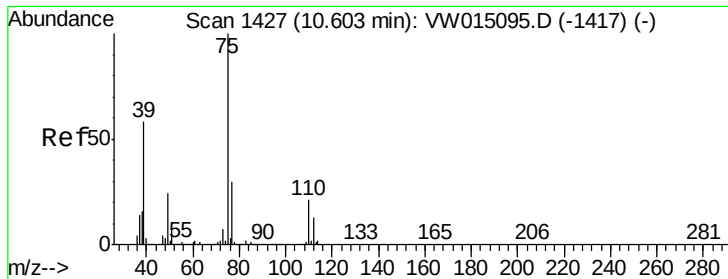
Tgt Ion: 92 Resp: 72549

Ion Ratio Lower Upper

92 100

91 170.8 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 4.40 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

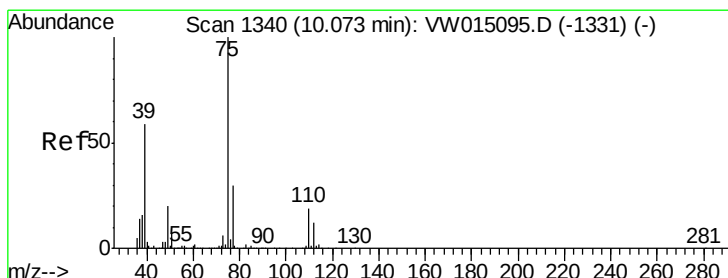
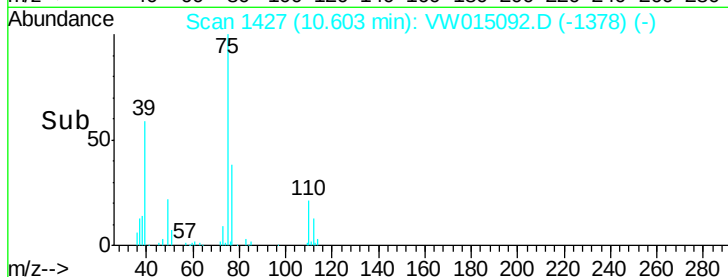
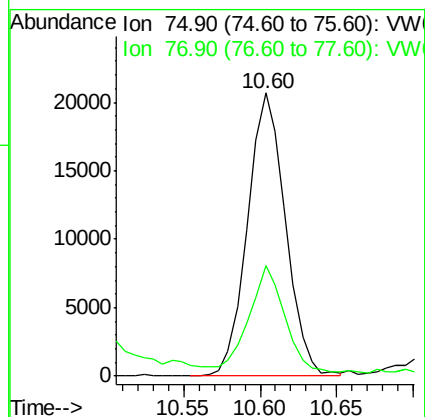
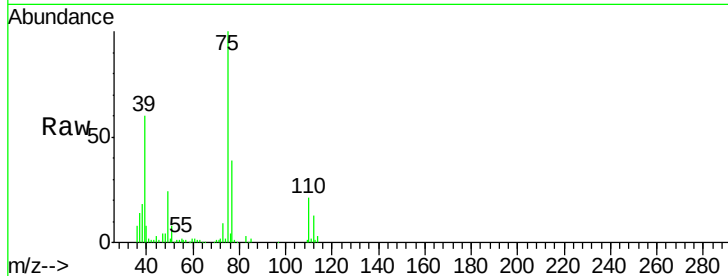
VSTDIC005

Tgt Ion: 75 Resp: 35757

Ion Ratio Lower Upper

75 100

77 37.3 24.4 36.6#



#54

cis-1,3-Dichloropropene

Concen: 4.68 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

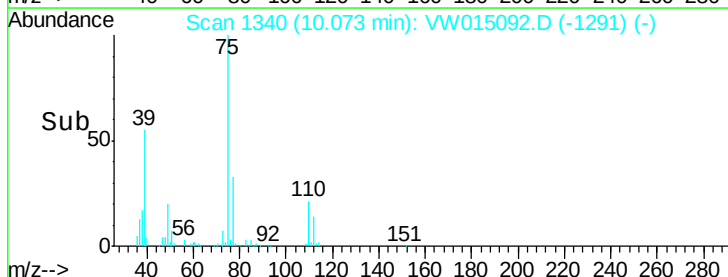
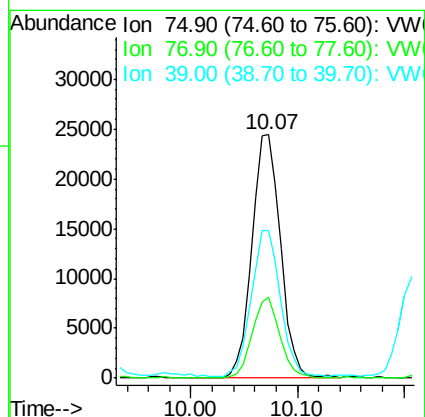
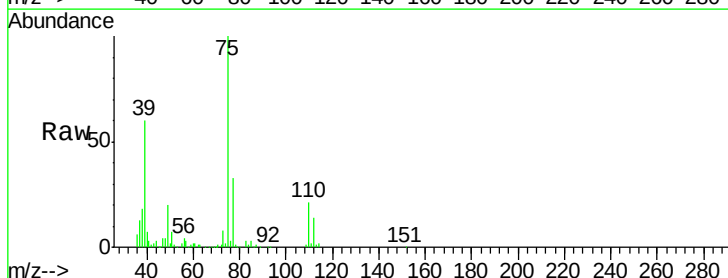
Tgt Ion: 75 Resp: 46282

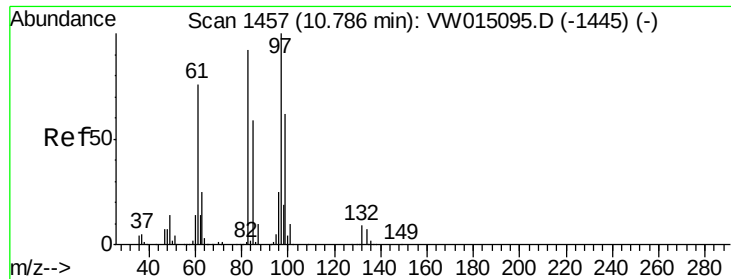
Ion Ratio Lower Upper

75 100

77 33.1 24.3 36.5

39 59.2 47.0 70.6

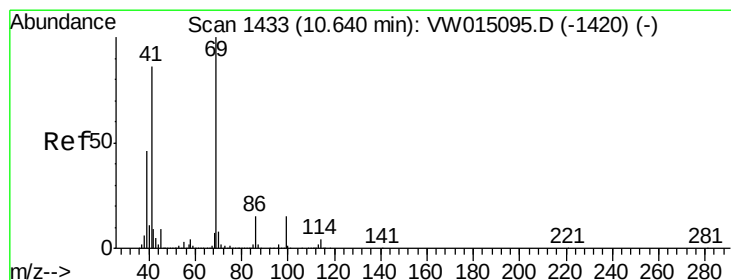
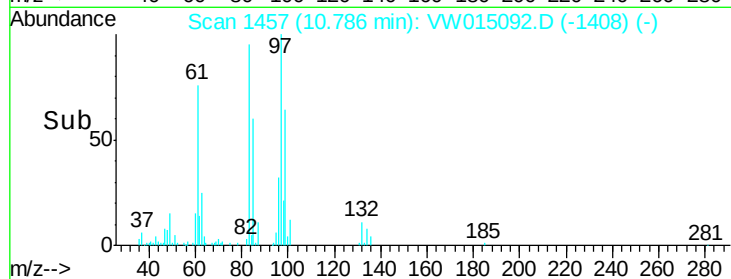
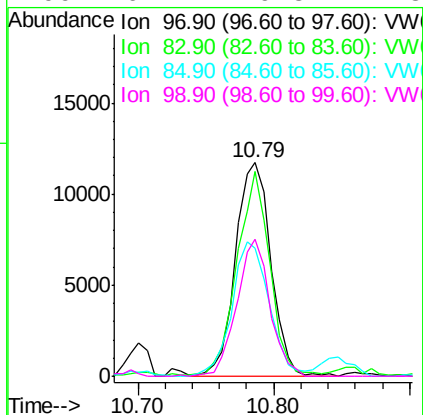
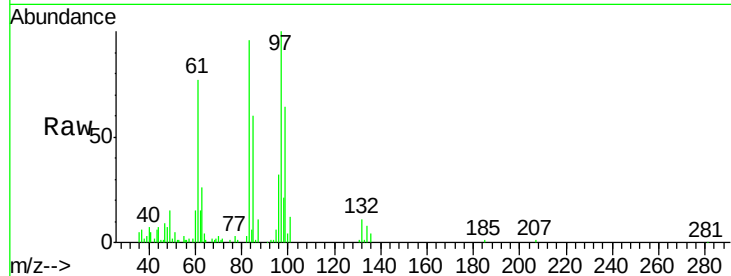




#55
 1,1,2-Trichloroethane
 Concen: 5.02 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

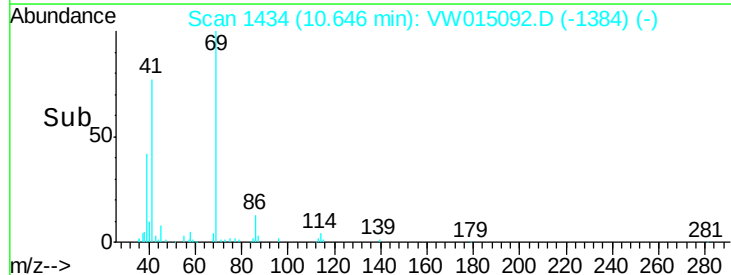
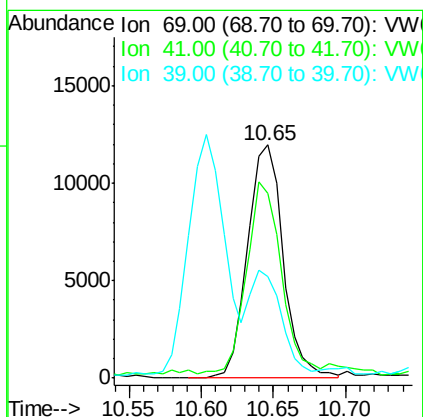
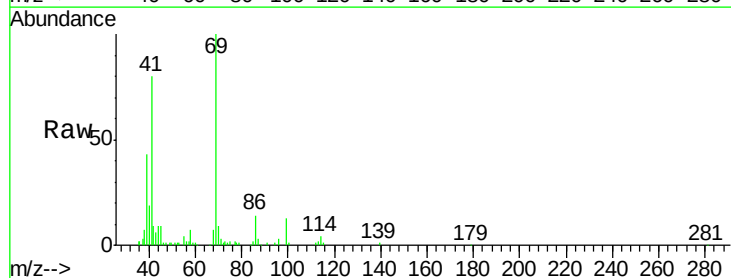
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

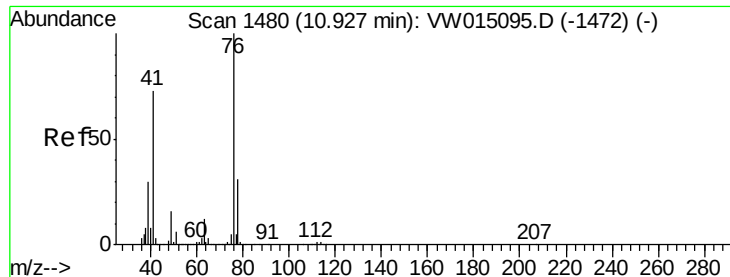
Tgt Ion:	97	Resp:	21273
Ion	Ratio	Lower	Upper
97	100		
83	95.5	74.0	111.0
85	60.1	46.9	70.3
99	64.1	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 3.75 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion:	69	Resp:	20494
Ion	Ratio	Lower	Upper
69	100		
41	79.8	65.8	98.6
39	36.5	31.2	46.8

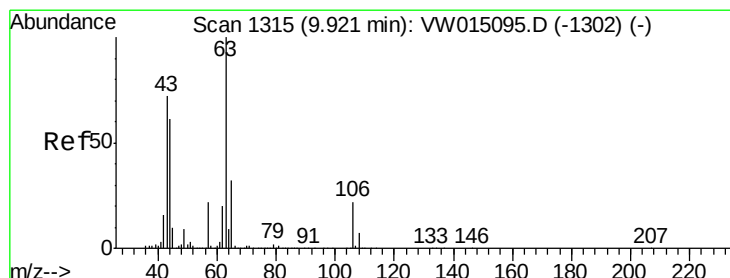
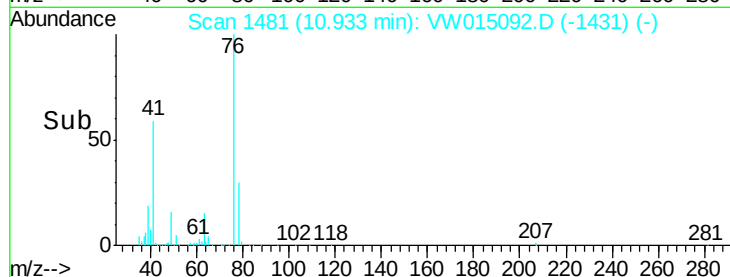
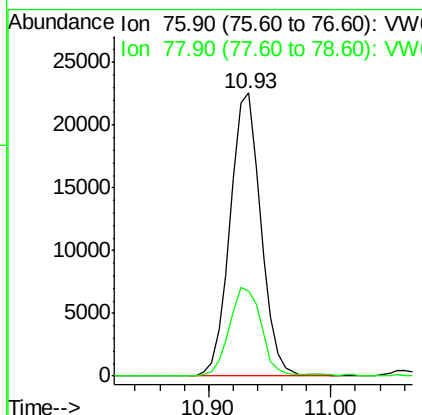
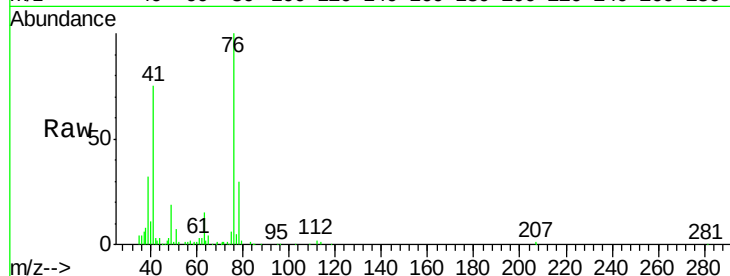




#57
 1,3-Dichloropropane
 Concen: 4.85 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

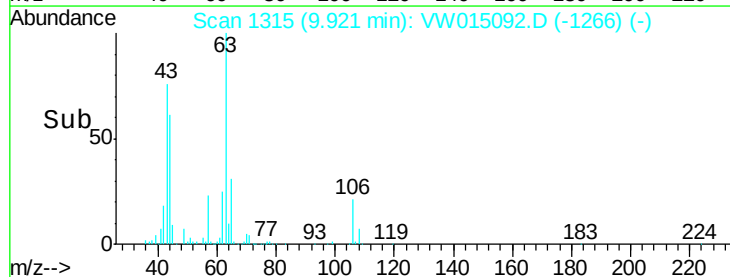
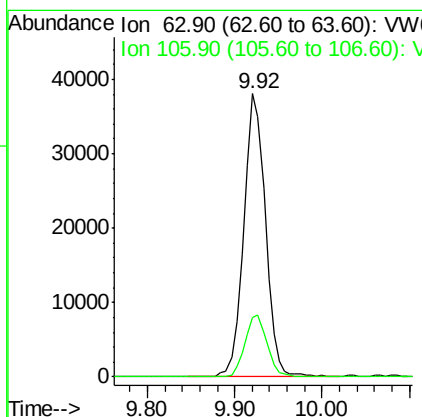
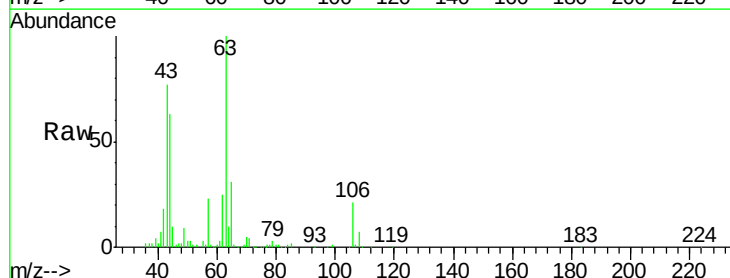
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

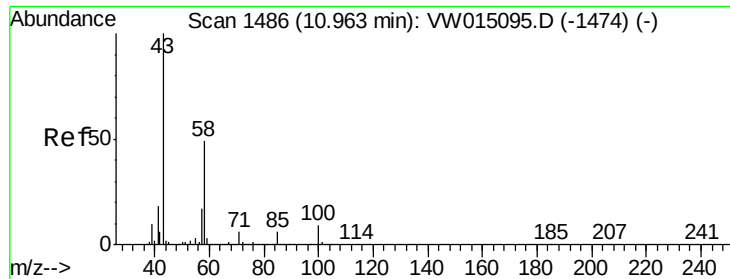
Tgt Ion: 76 Resp: 39154
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.44 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion: 63 Resp: 65584
 Ion Ratio Lower Upper
 63 100
 106 22.1 18.0 27.0

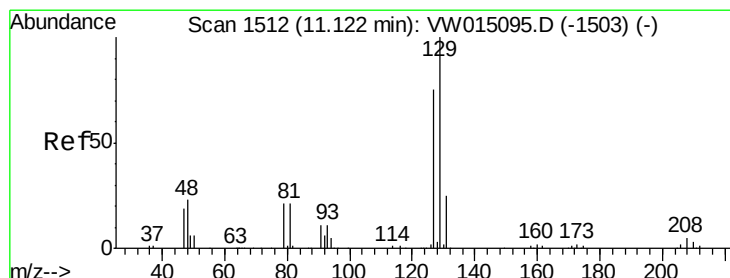
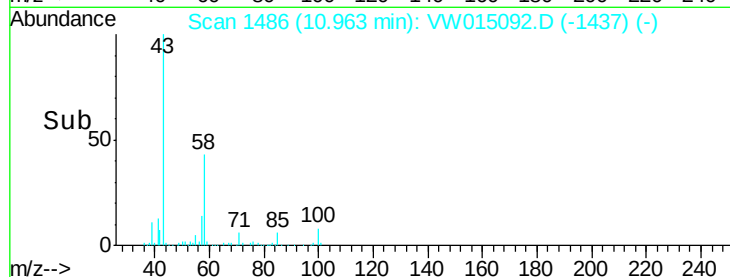
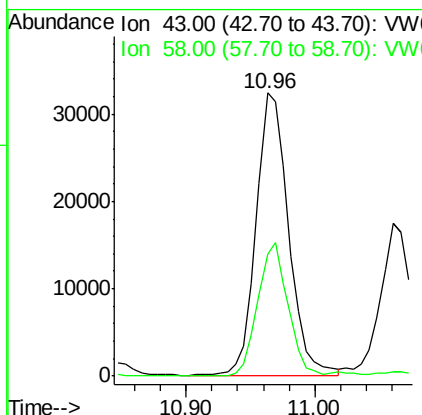
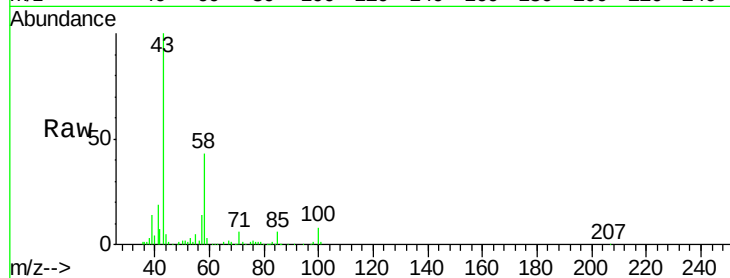




#59
2-Hexanone
Concen: 19.13 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

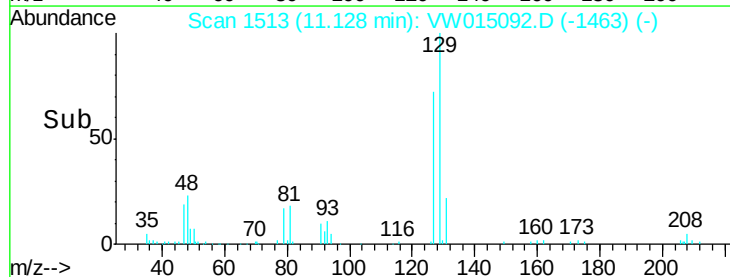
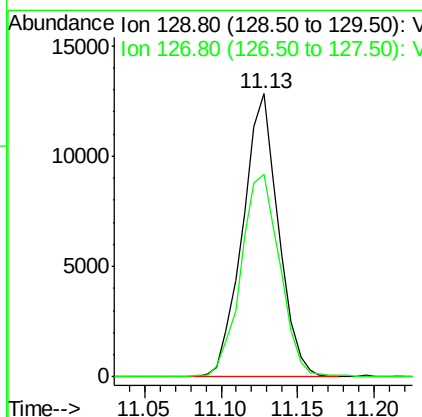
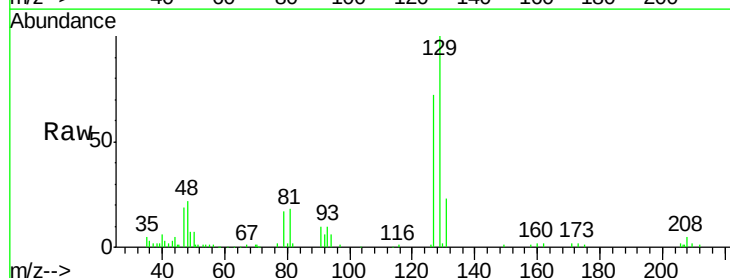
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

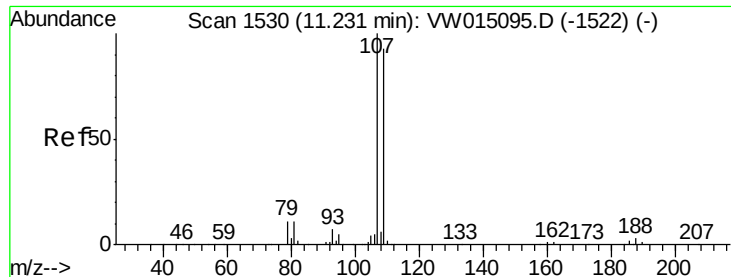
Tgt Ion: 43 Resp: 56046
Ion Ratio Lower Upper
43 100
58 44.4 24.6 73.8



#60
Dibromochloromethane
Concen: 4.75 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion: 129 Resp: 20796
Ion Ratio Lower Upper
129 100
127 78.3 38.7 116.1





#61

1,2-Dibromoethane

Concen: 4.81 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

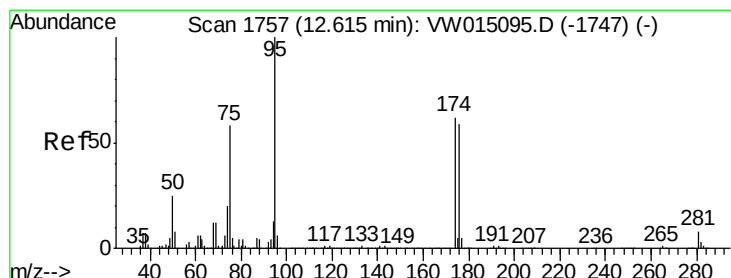
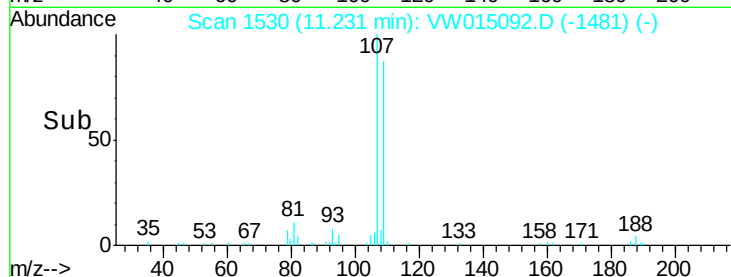
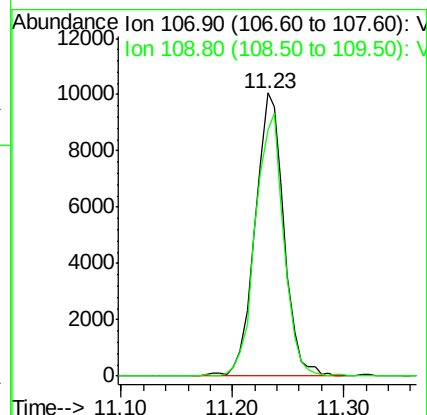
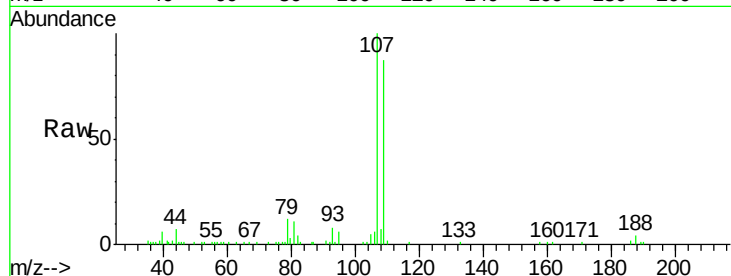
VSTDIC005

Tgt Ion: 107 Resp: 18056

Ion Ratio Lower Upper

107 100

109 92.2 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 4.54 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

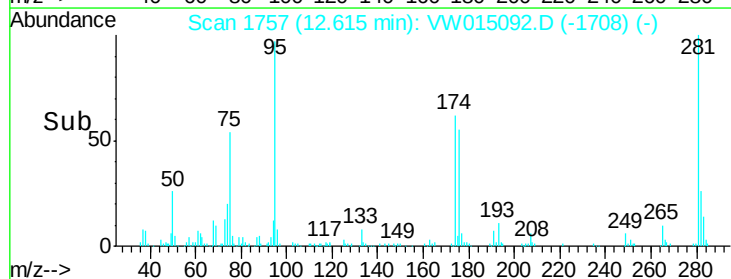
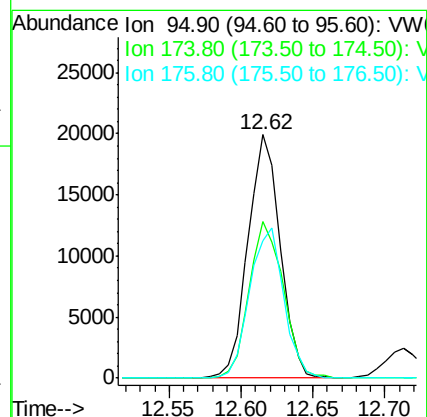
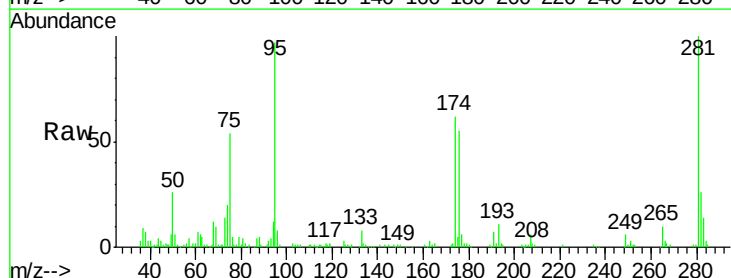
Tgt Ion: 95 Resp: 31006

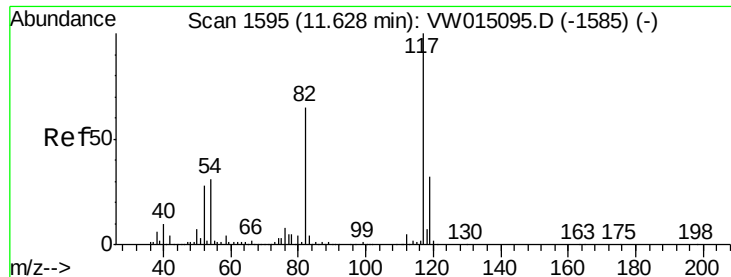
Ion Ratio Lower Upper

95 100

174 68.1 0.0 126.8

176 64.7 0.0 121.6

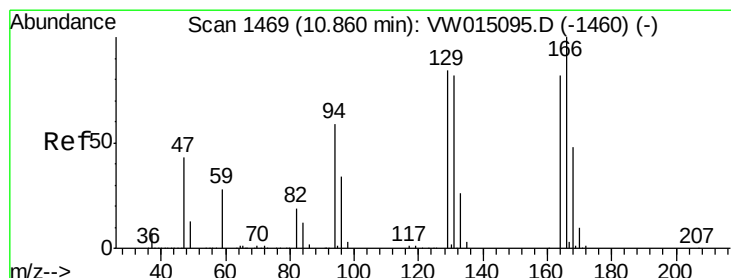
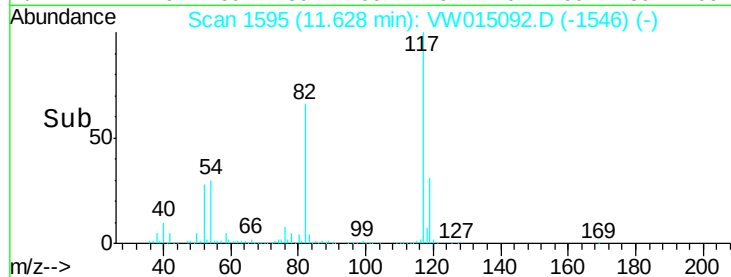
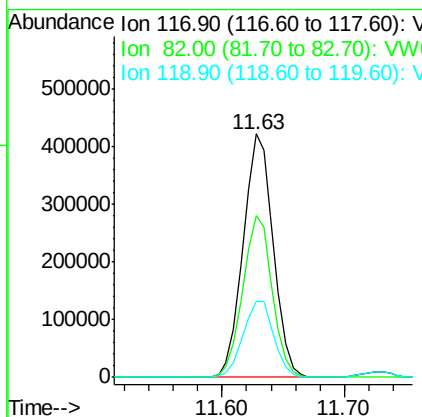
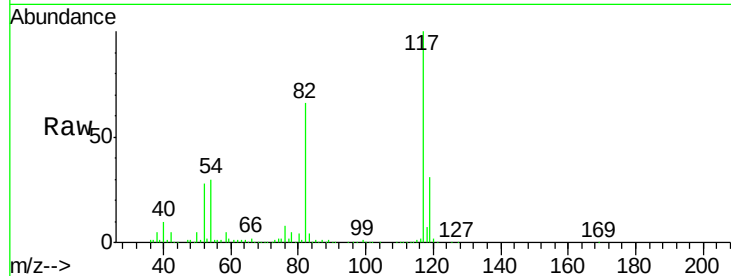




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

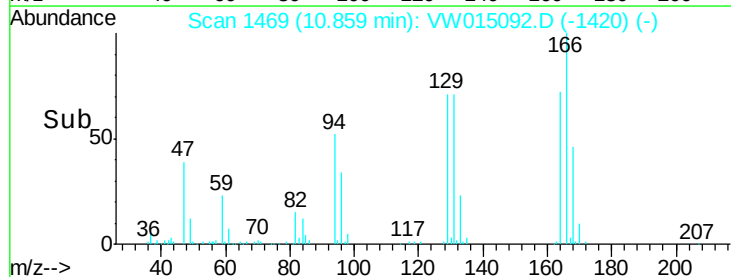
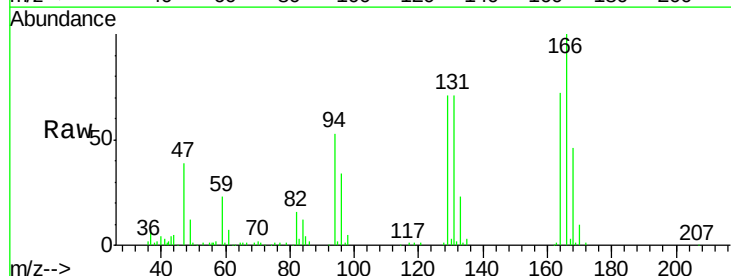
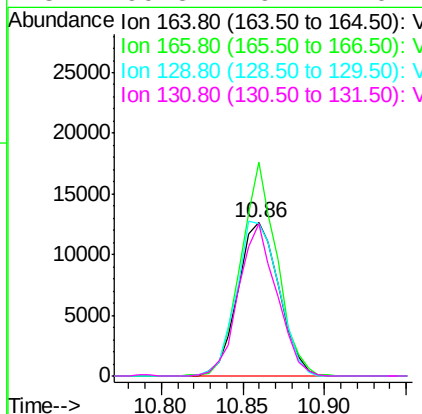
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

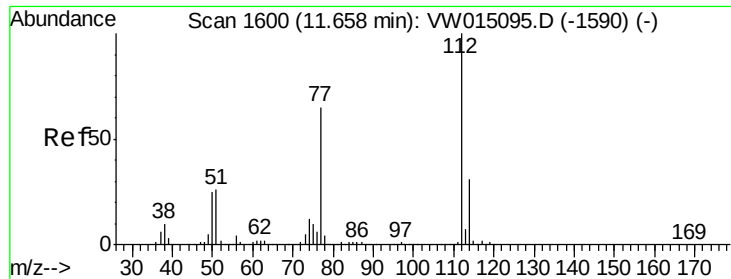
Tgt Ion:117 Resp: 718675
Ion Ratio Lower Upper
117 100
82 66.4 52.2 78.2
119 31.0 25.4 38.0



#64
Tetrachloroethene
Concen: 5.38 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion:164 Resp: 22305
Ion Ratio Lower Upper
164 100
166 139.2 97.0 145.6
129 99.2 81.2 121.8
131 99.3 79.4 119.2

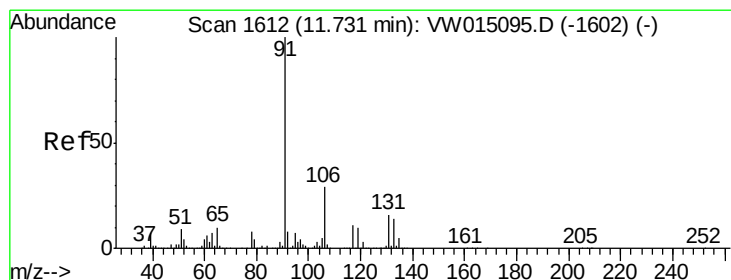
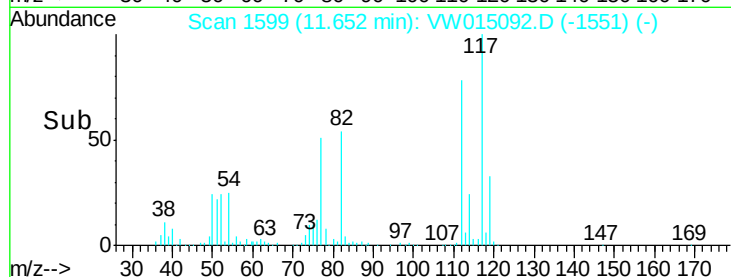
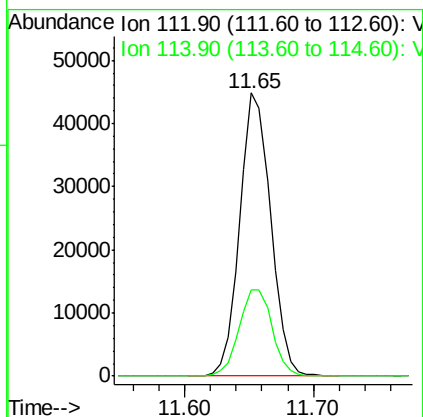
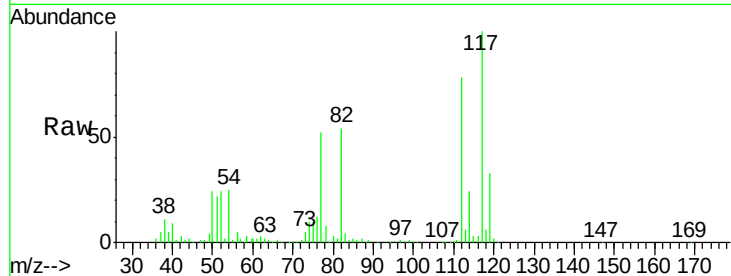




#65
Chlorobenzene
Concen: 5.17 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

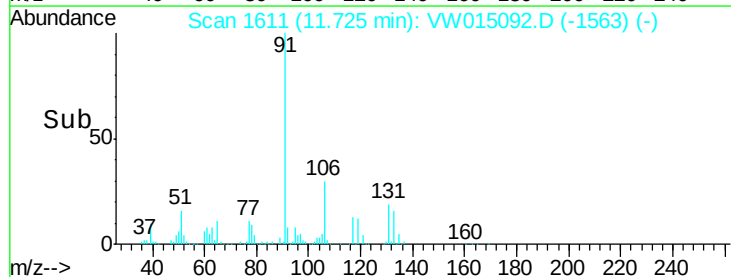
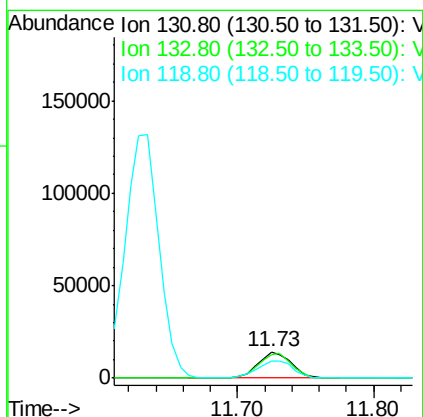
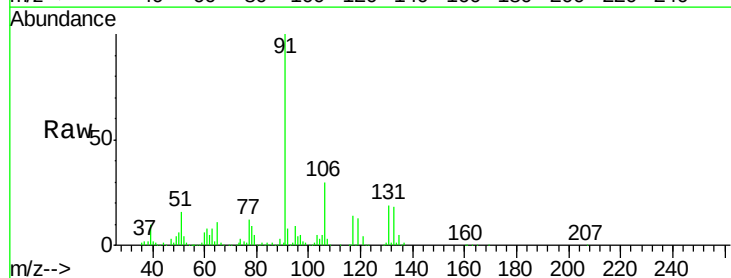
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

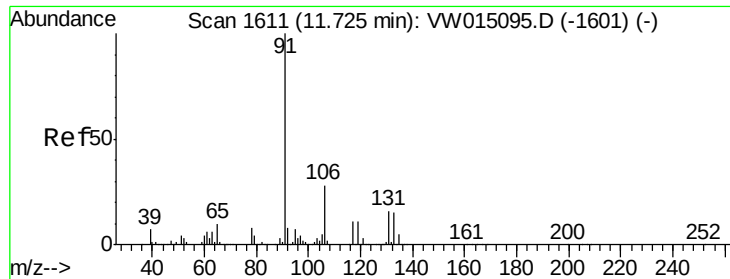
Tgt Ion:112 Resp: 74568
Ion Ratio Lower Upper
112 100
114 30.3 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 5.04 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion:131 Resp: 24234
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.8
119 72.1 34.0 101.8

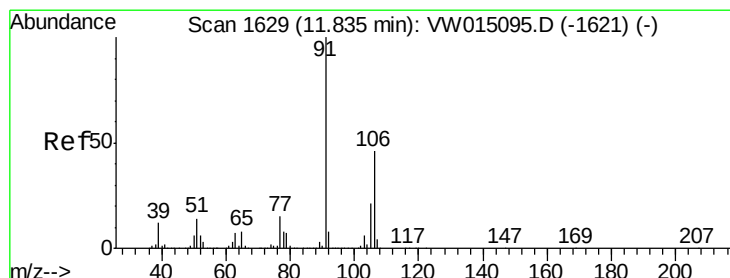
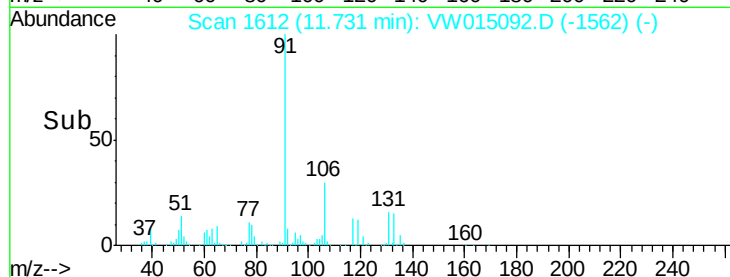
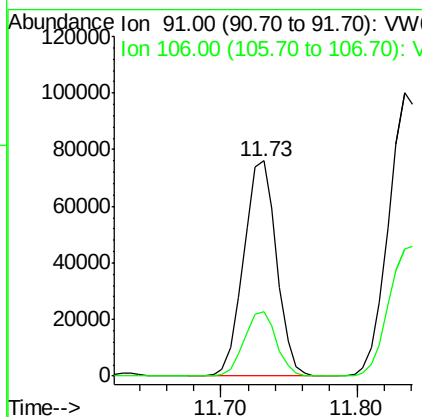
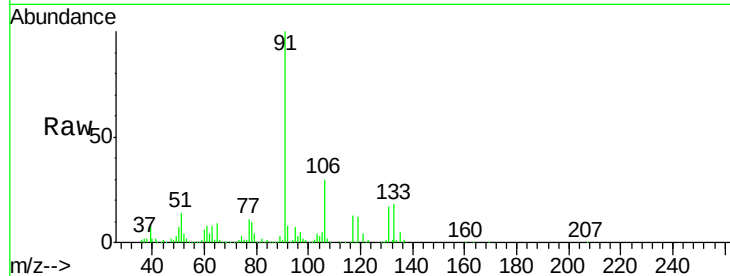




#67
Ethyl Benzene
Concen: 4.59 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

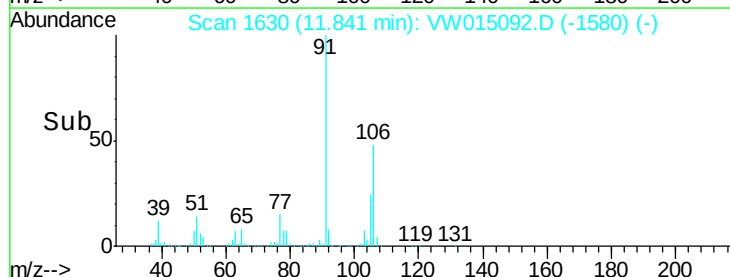
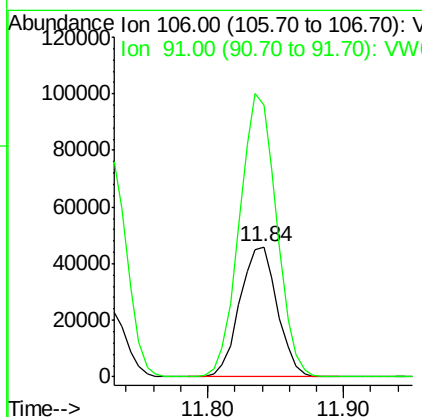
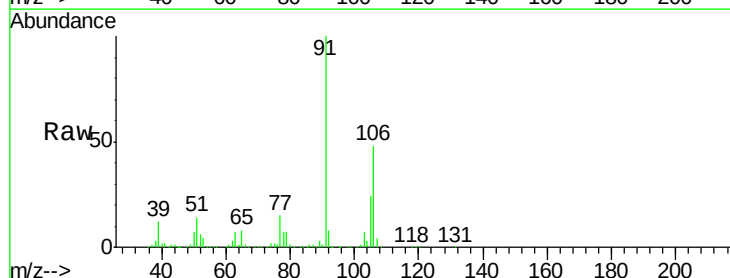
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

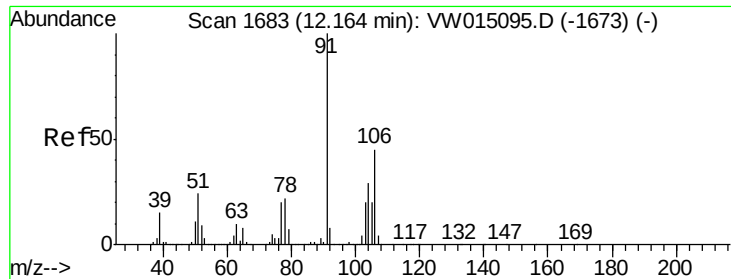
Tgt Ion: 91 Resp: 128703
Ion Ratio Lower Upper
91 100
106 29.7 22.8 34.2



#68
m/p-Xylenes
Concen: 8.90 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion: 106 Resp: 88351
Ion Ratio Lower Upper
106 100
91 215.0 172.3 258.5

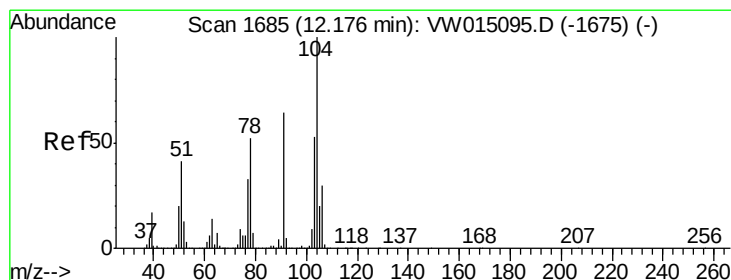
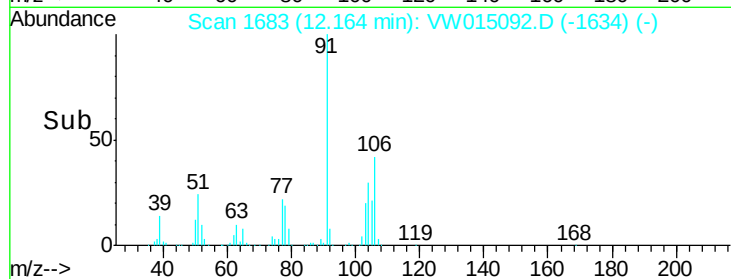
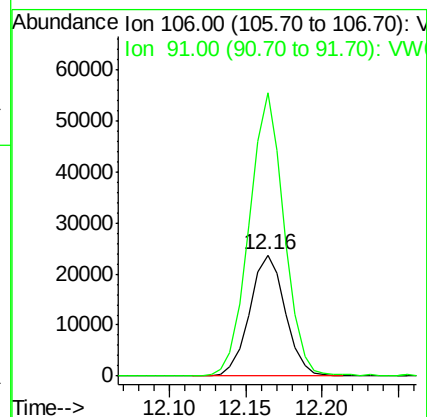
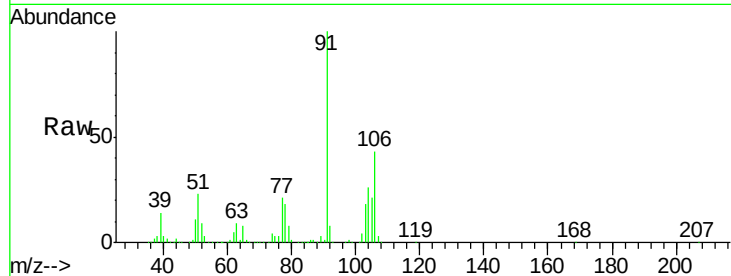




#69
o-Xylene
Concen: 4.30 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

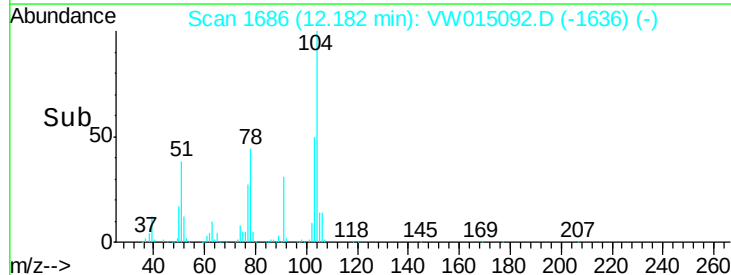
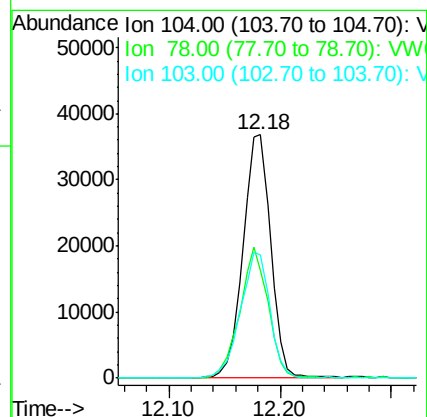
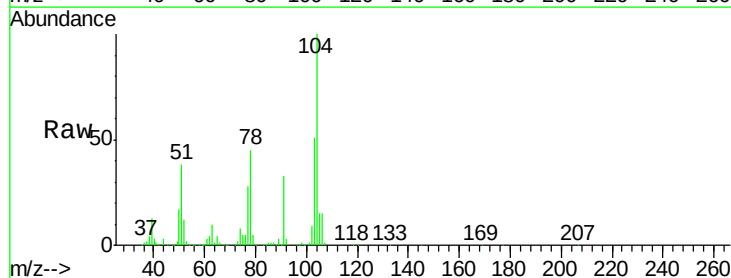
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

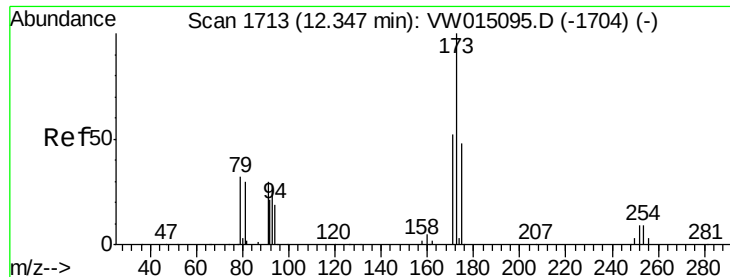
Tgt Ion:106 Resp: 38438
Ion Ratio Lower Upper
106 100
91 227.3 112.6 337.8



#70
Styrene
Concen: 4.15 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion:104 Resp: 63505
Ion Ratio Lower Upper
104 100
78 55.5 44.7 67.1
103 55.3 44.7 67.1





#71

Bromoform

Concen: 4.59 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

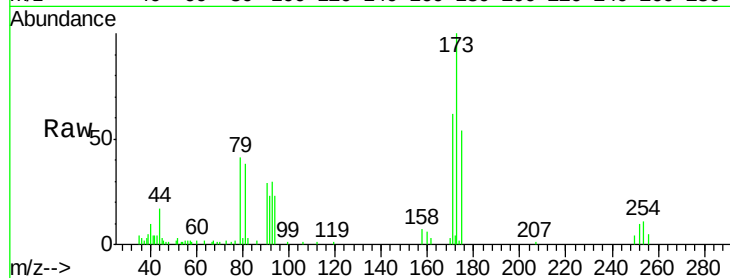
Tgt Ion:173 Resp: 9779

Ion Ratio Lower Upper

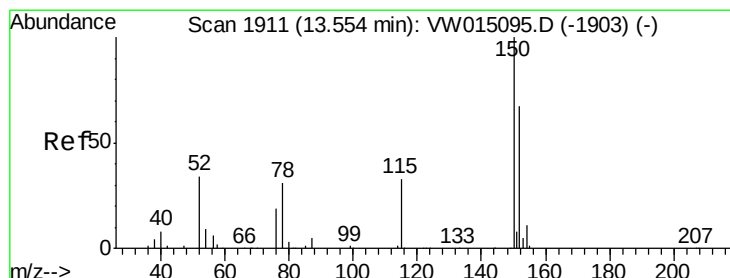
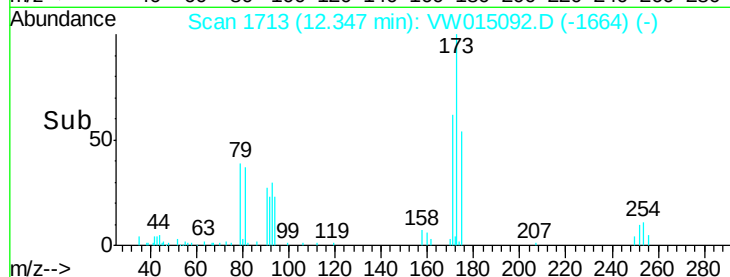
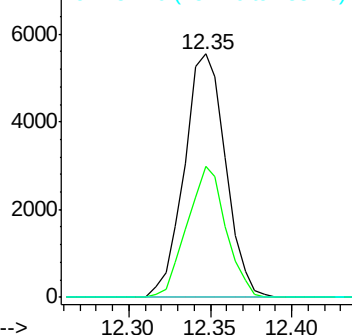
173 100

175 50.6 23.8 71.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

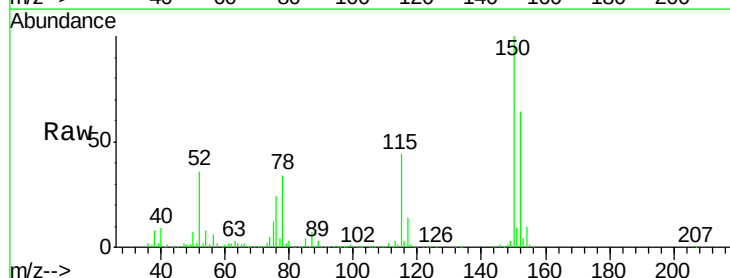
Tgt Ion:152 Resp: 317610

Ion Ratio Lower Upper

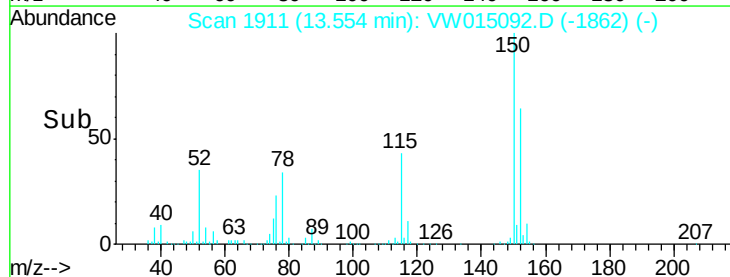
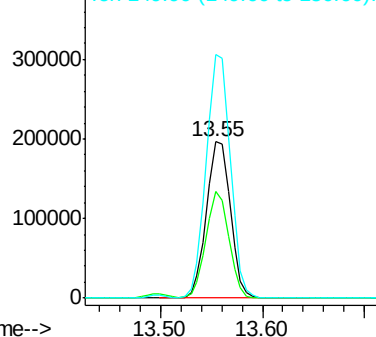
152 100

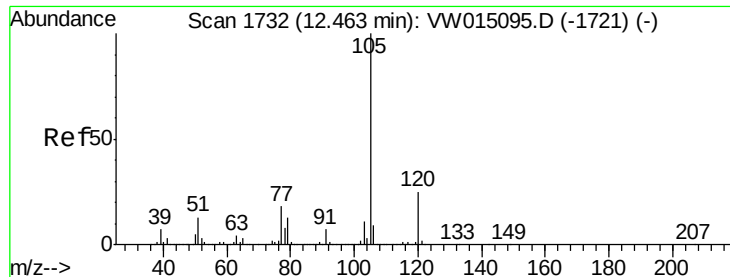
115 65.2 33.3 99.9

150 157.0 0.0 351.2



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: 4.45 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

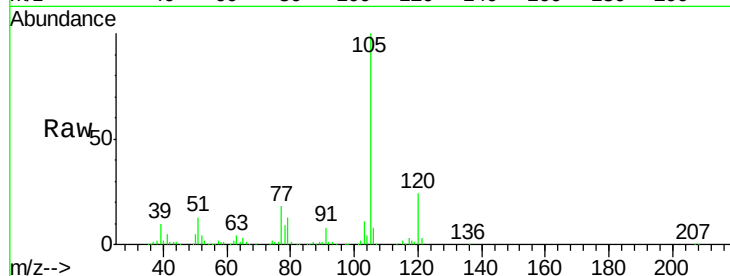
VSTDIC005

Tgt Ion:105 Resp: 107858

Ion Ratio Lower Upper

105 100

120 24.5 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

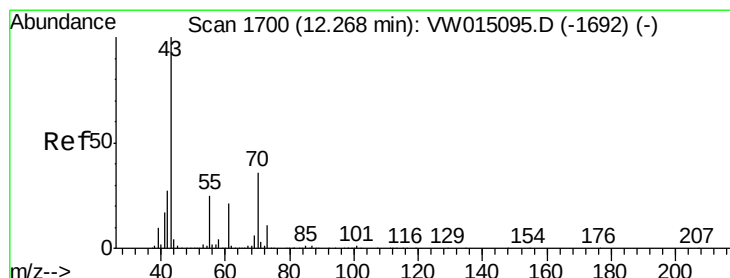
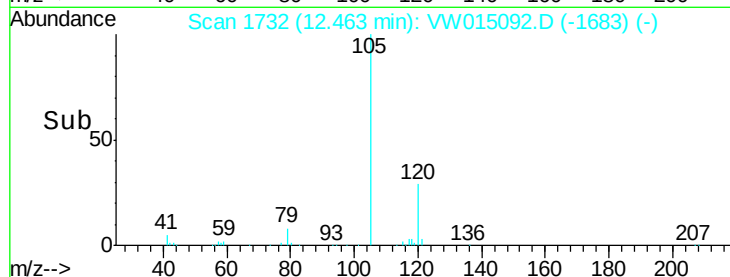
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 3.92 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Tgt Ion: 43 Resp: 28083

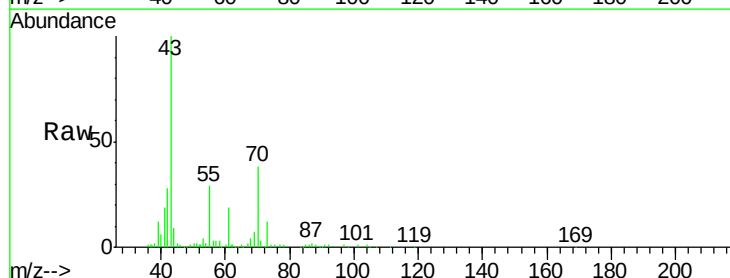
Ion Ratio Lower Upper

43 100

70 36.9 29.4 44.2

55 29.6 20.3 30.5

61 21.4 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

25000

20000

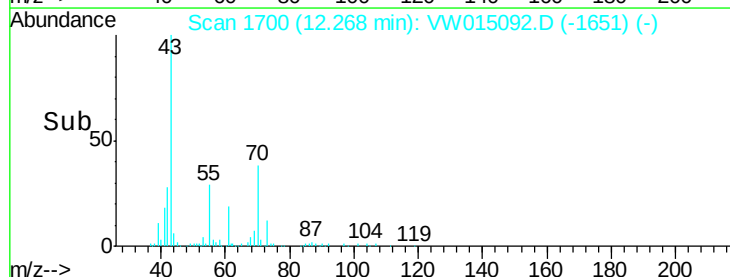
15000

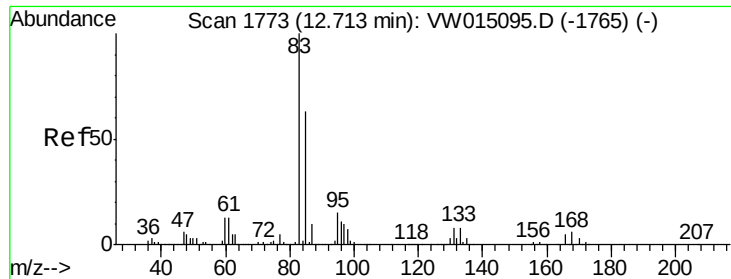
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.07 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

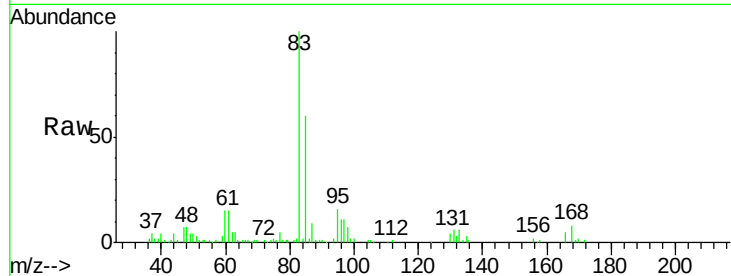
Tgt Ion: 83 Resp: 24975

Ion Ratio Lower Upper

83 100

131 8.8 4.3 13.1

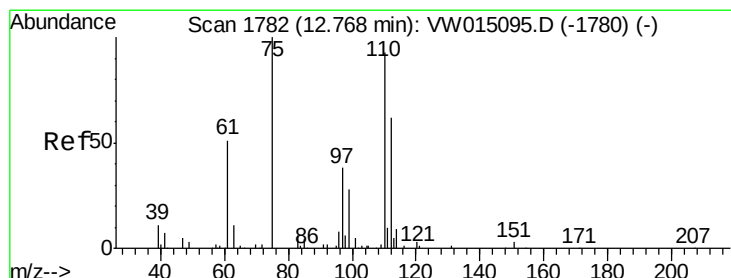
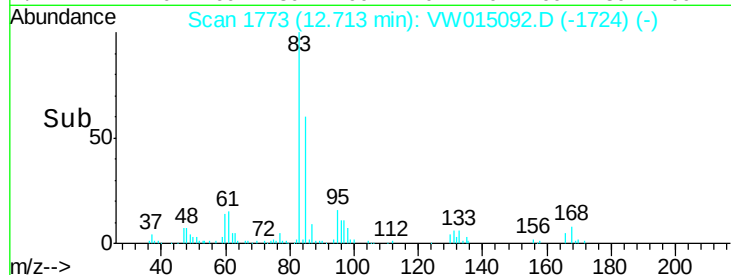
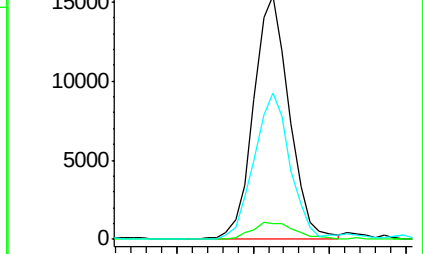
85 60.8 31.5 94.5



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: 5.43 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW015092.D

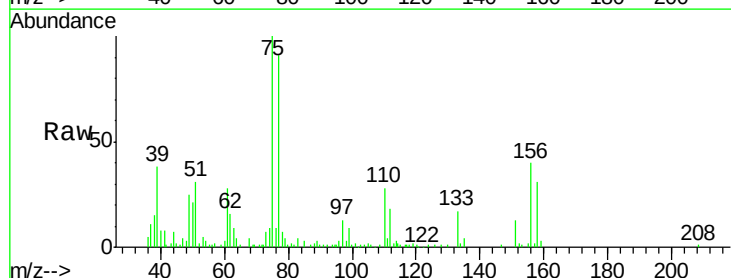
Acq: 09 Mar 2020 10:36

Tgt Ion: 75 Resp: 31966

Ion Ratio Lower Upper

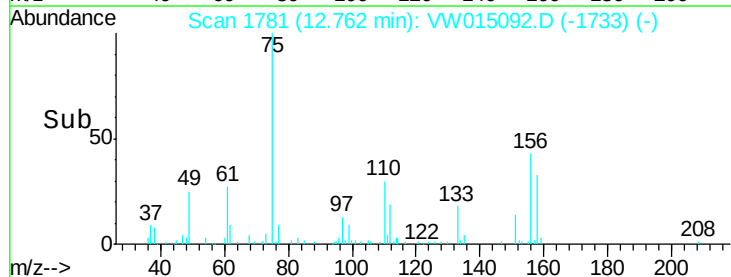
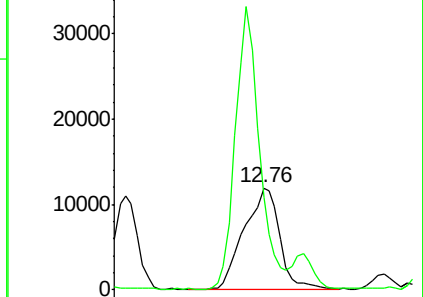
75 100

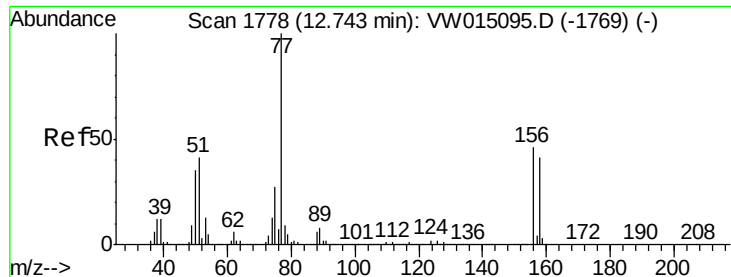
77 186.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

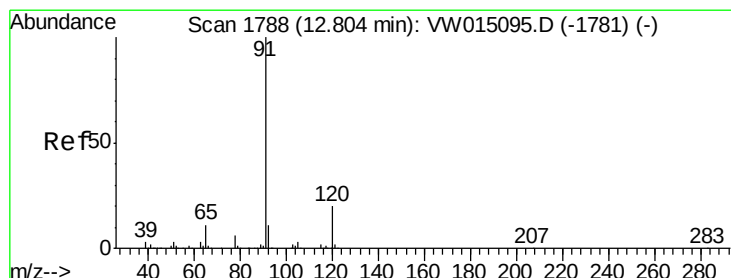
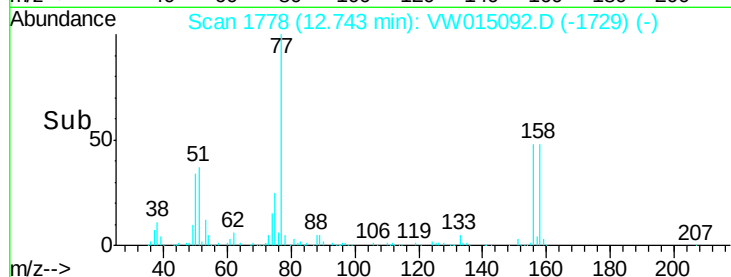
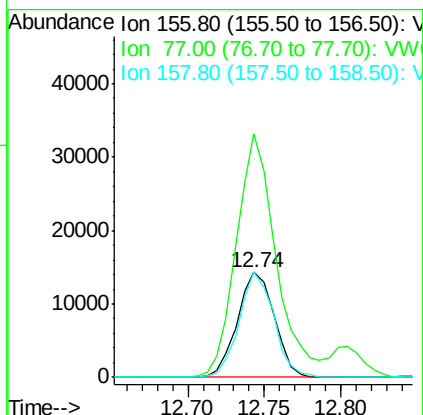
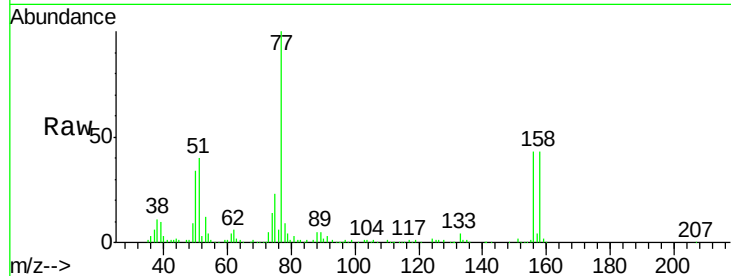




#77
Bromobenzene
Concen: 5.05 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

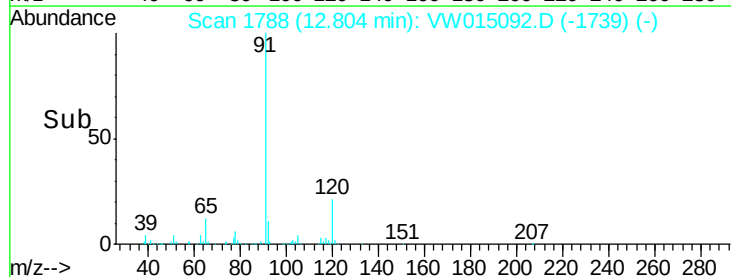
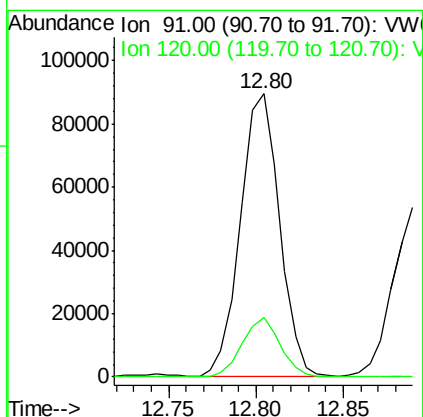
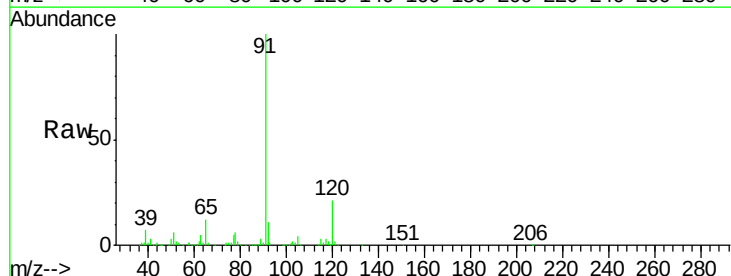
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

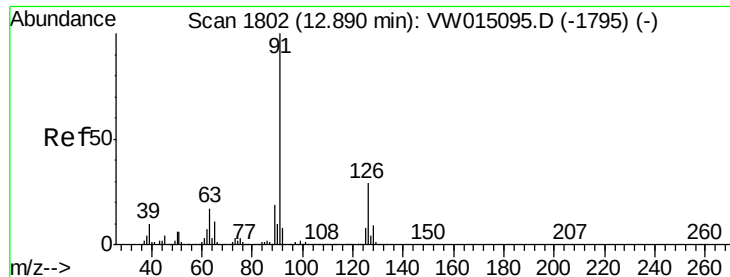
Tgt Ion: 156 Resp: 24210
Ion Ratio Lower Upper
156 100
77 246.7 126.6 379.8
158 93.9 47.4 142.2



#78
n-propylbenzene
Concen: 4.41 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion: 91 Resp: 139027
Ion Ratio Lower Upper
91 100
120 20.5 10.2 30.4





#79

2-Chlorotoluene

Concen: 4.69 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

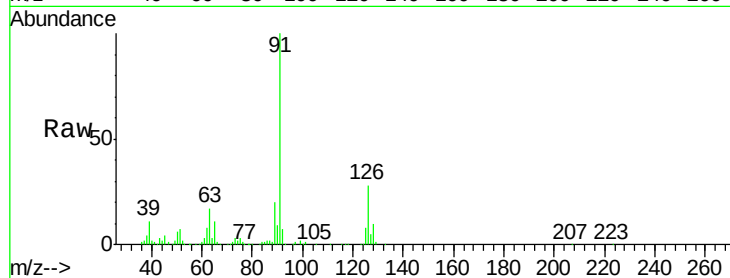
VSTDIC005

Tgt Ion: 91 Resp: 83131

Ion Ratio Lower Upper

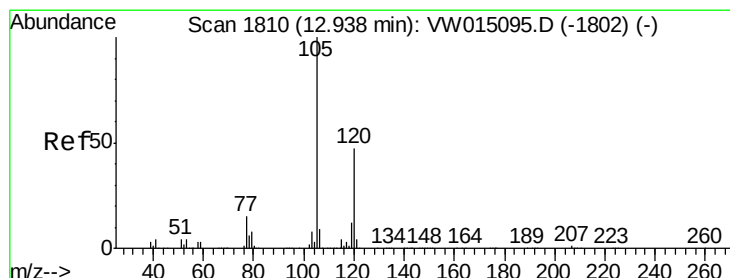
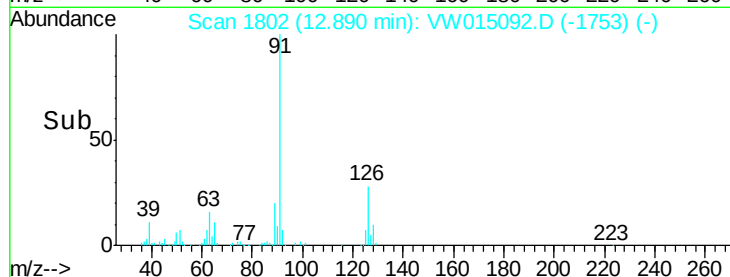
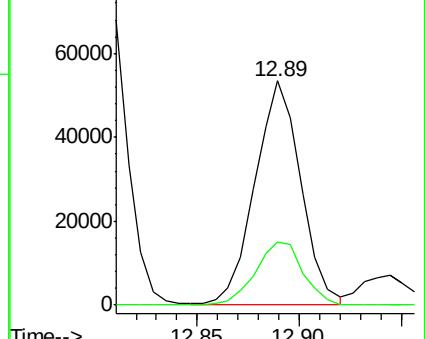
91 100

126 29.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.44 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW015092.D

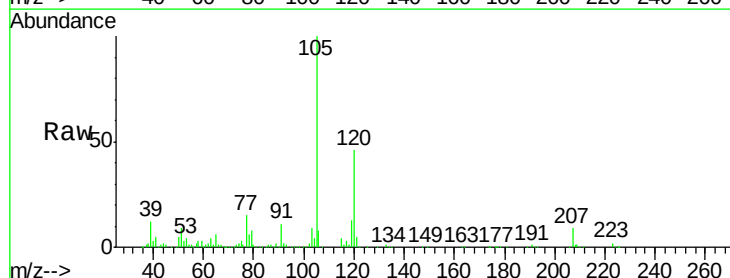
Acq: 09 Mar 2020 10:36

Tgt Ion: 105 Resp: 92530

Ion Ratio Lower Upper

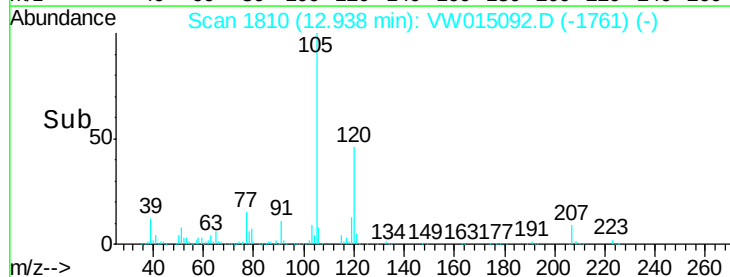
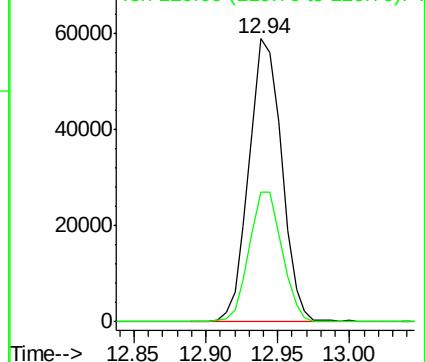
105 100

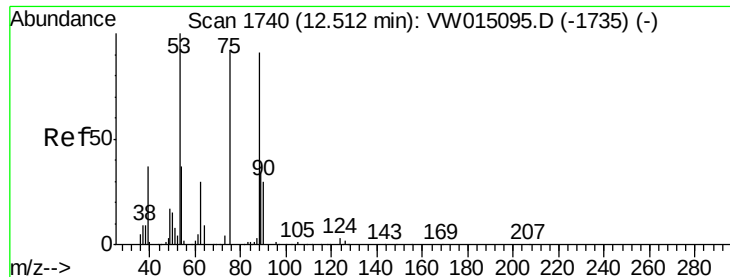
120 46.5 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.45 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

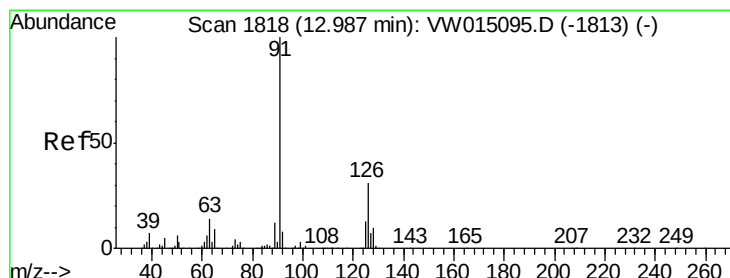
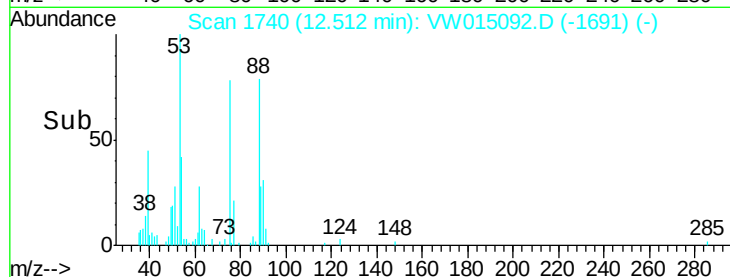
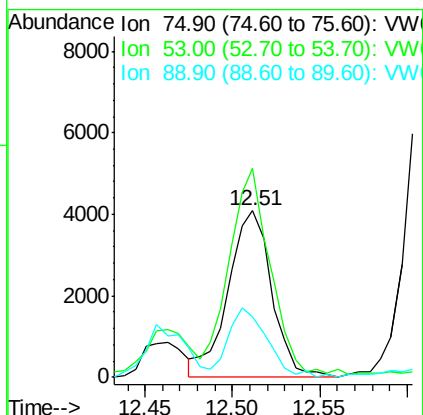
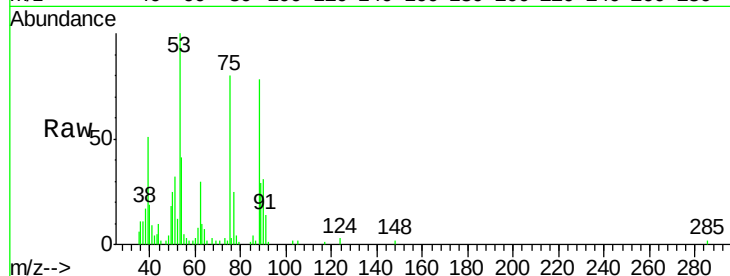
Tgt Ion: 75 Resp: 7078

Ion Ratio Lower Upper

75 100

53 115.5 88.4 132.6

89 37.3 33.1 49.7



#82

4-Chlorotoluene

Concen: 4.72 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015092.D

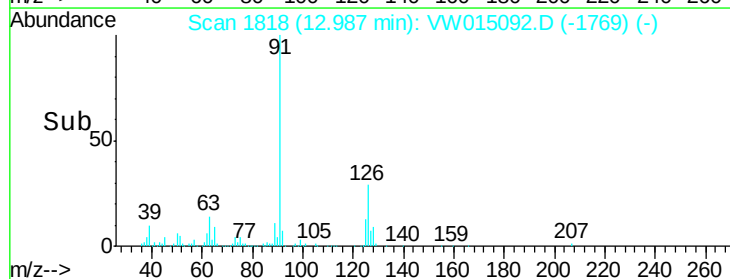
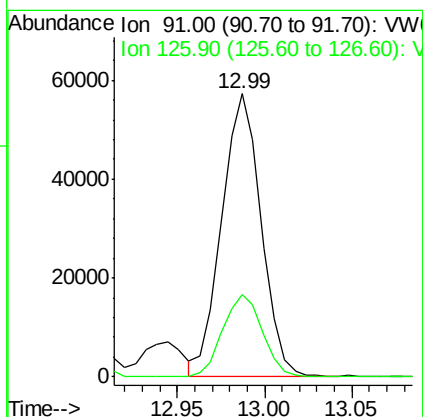
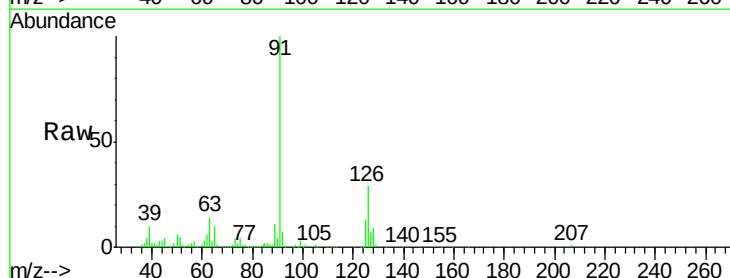
Acq: 09 Mar 2020 10:36

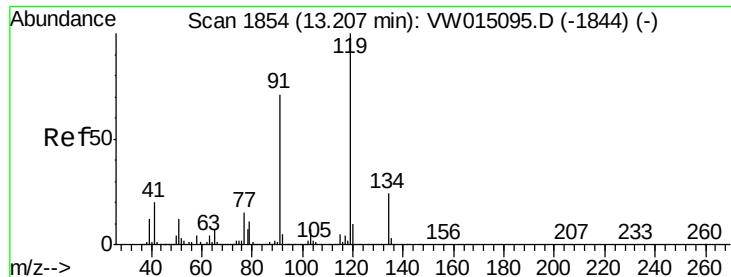
Tgt Ion: 91 Resp: 89151

Ion Ratio Lower Upper

91 100

126 29.7 14.8 44.4

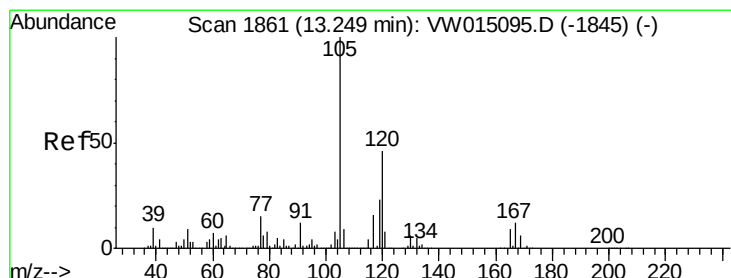
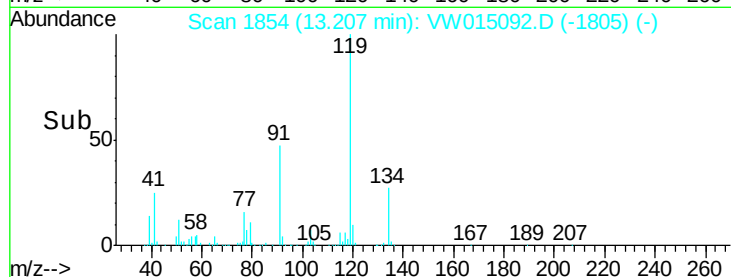
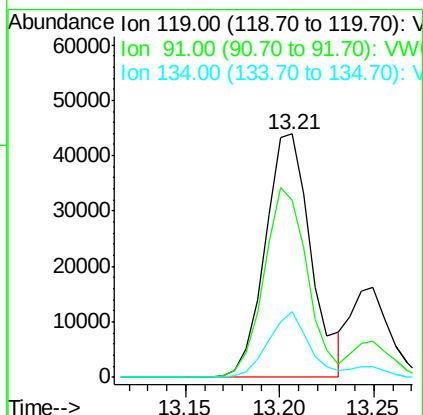
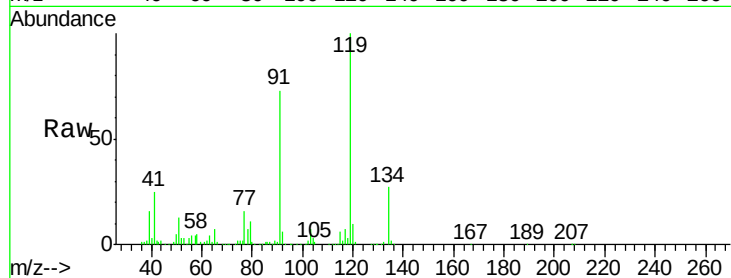




#83
 tert-Butylbenzene
 Concen: 4.37 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

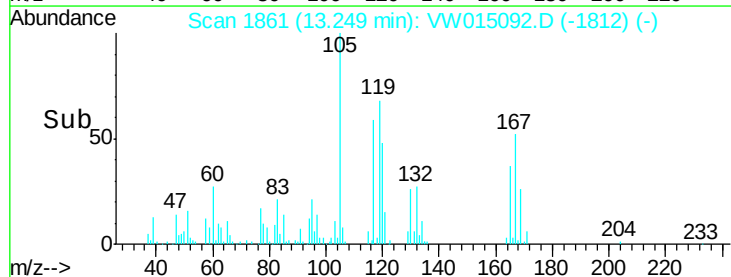
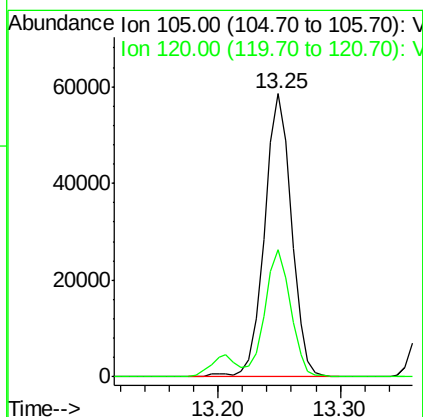
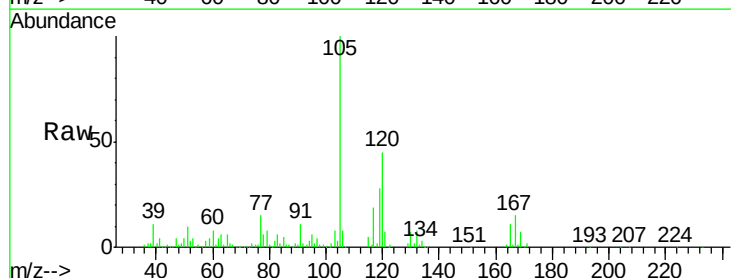
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

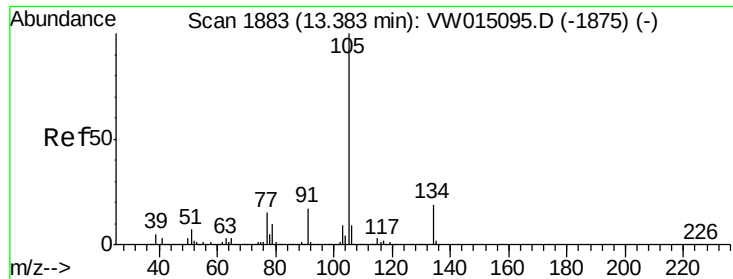
Tgt Ion:119 Resp: 73930
 Ion Ratio Lower Upper
 119 100
 91 73.9 35.7 107.1
 134 23.9 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 4.31 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion:105 Resp: 89914
 Ion Ratio Lower Upper
 105 100
 120 42.8 22.1 66.3

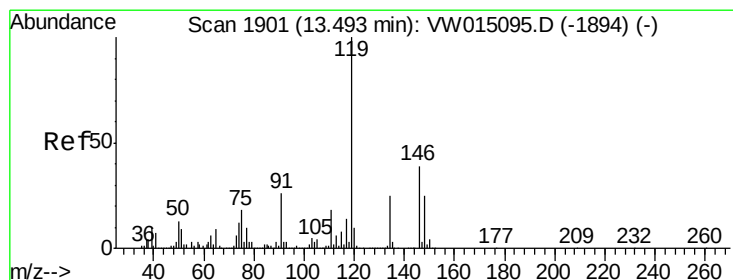
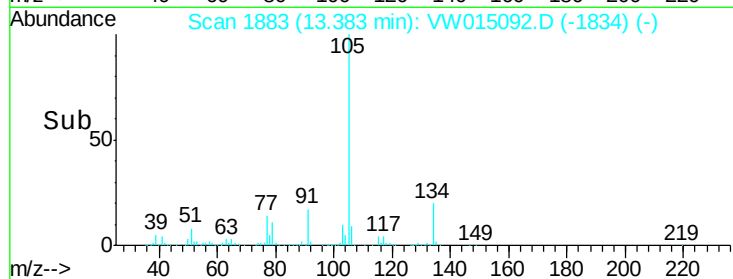
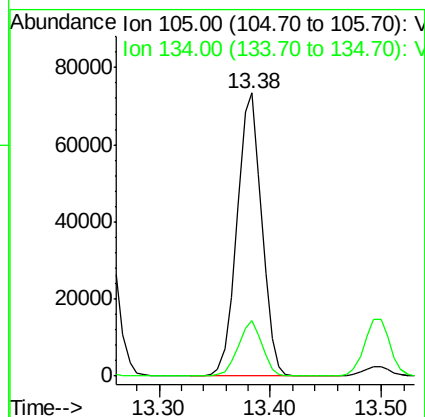
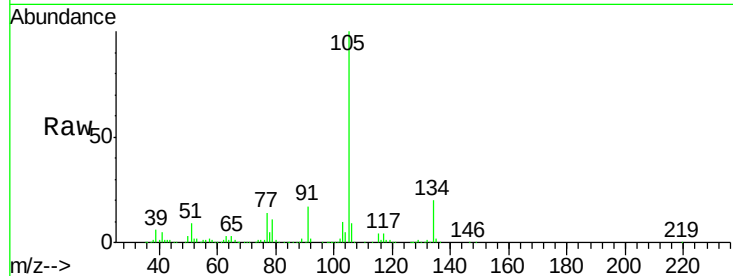




#85
 sec-Butylbenzene
 Concen: 4.40 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

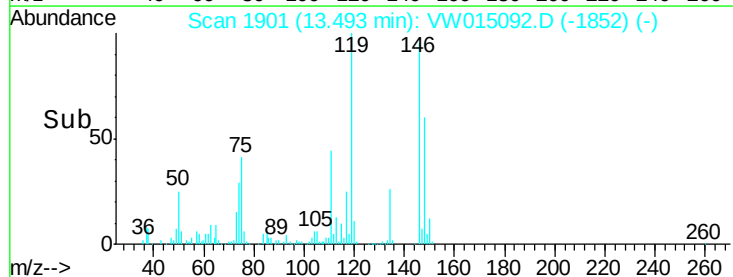
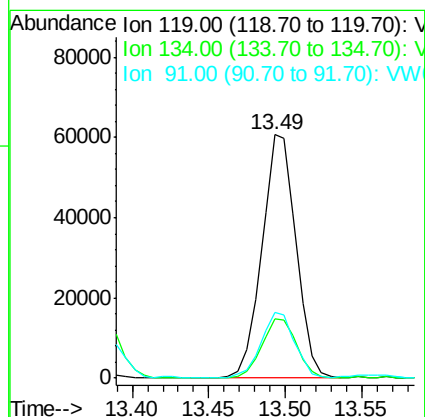
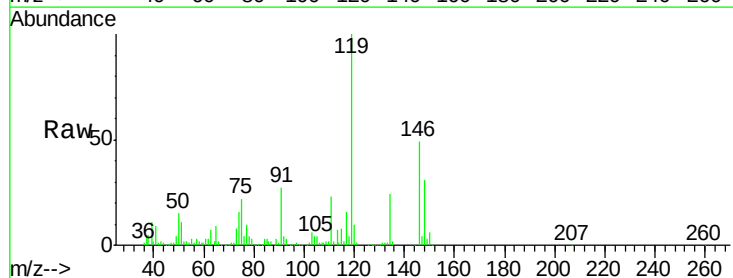
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

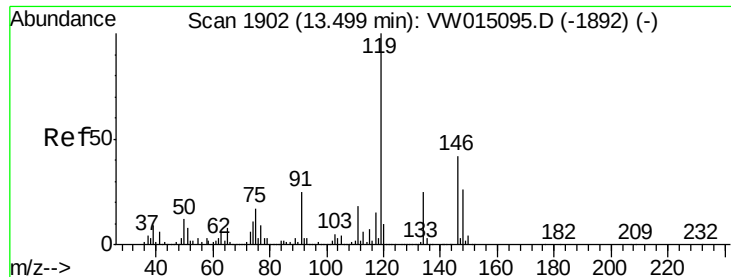
Tgt Ion:105 Resp: 112411
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.0 27.1



#86
 p-Isopropyltoluene
 Concen: 4.29 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion:119 Resp: 94264
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.6 37.8
 91 26.2 12.9 38.6

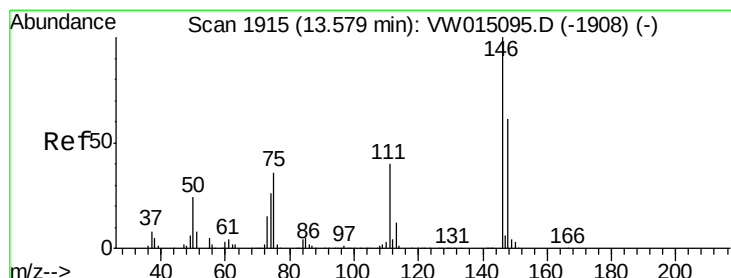
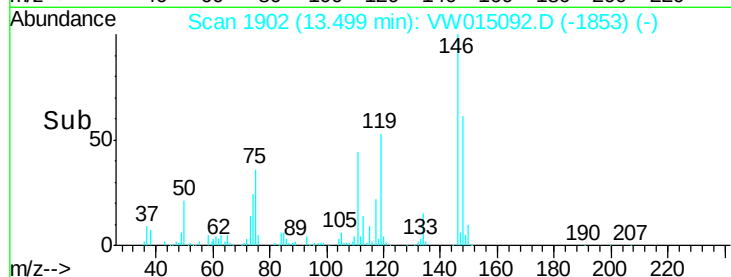
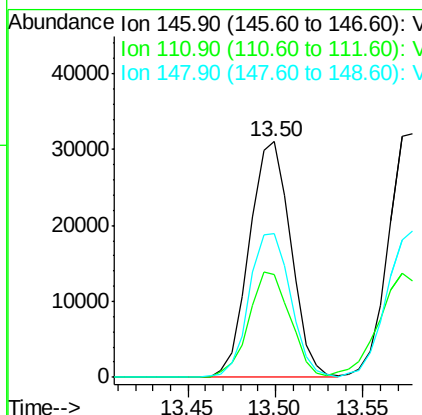
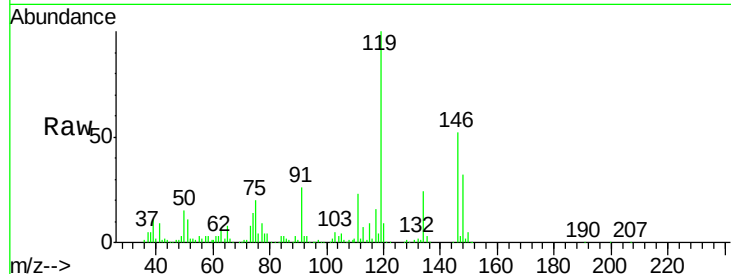




#87
 1,3-Dichlorobenzene
 Concen: 5.04 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

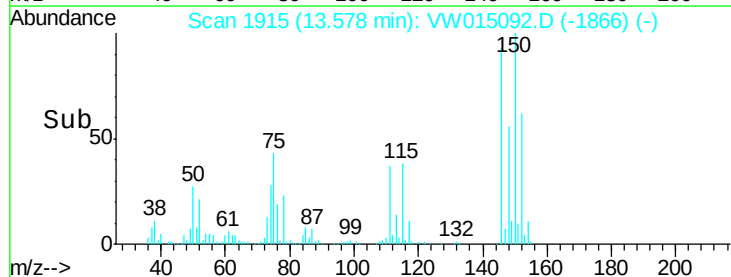
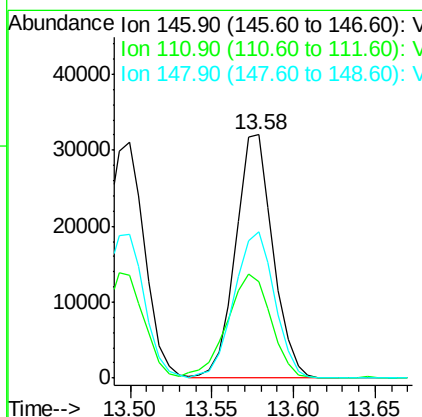
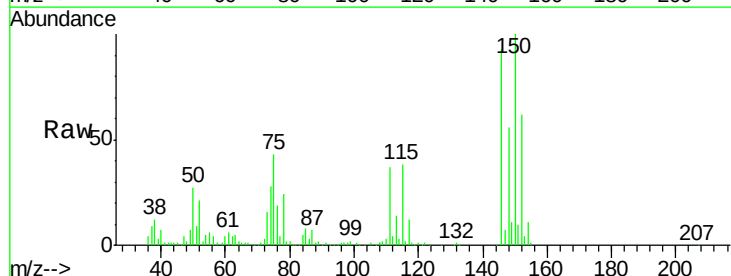
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

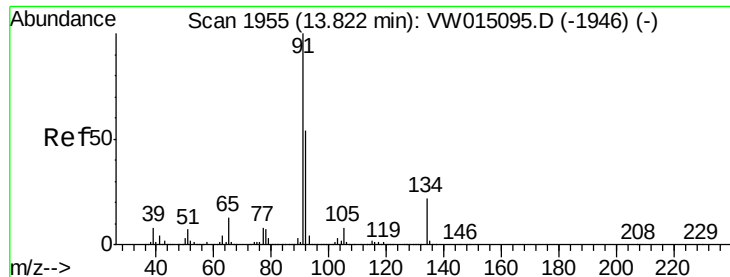
Tgt Ion:146 Resp: 51189
 Ion Ratio Lower Upper
 146 100
 111 44.5 22.5 67.5
 148 61.2 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 5.11 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion:146 Resp: 51157
 Ion Ratio Lower Upper
 146 100
 111 50.5 21.3 63.9
 148 65.3 31.6 94.8





#89

n-Butylbenzene

Concen: 4.31 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015092.D

Acq: 09 Mar 2020 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

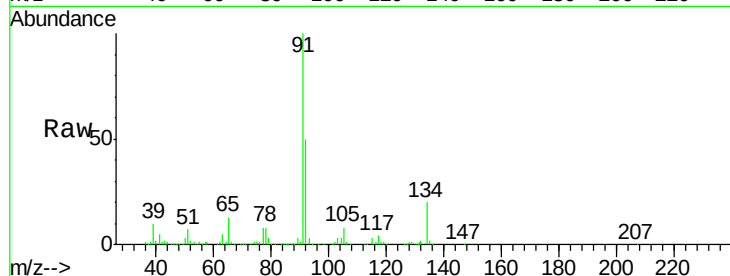
Tgt Ion: 91 Resp: 102107

Ion Ratio Lower Upper

91 100

92 51.6 26.8 80.3

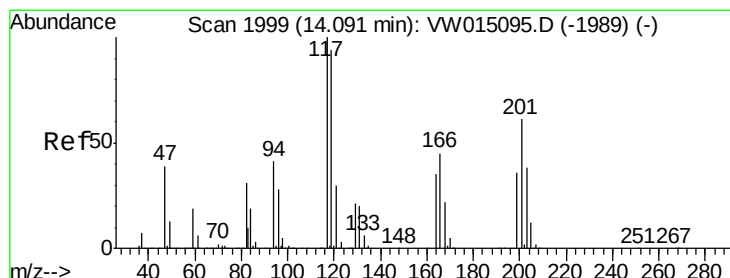
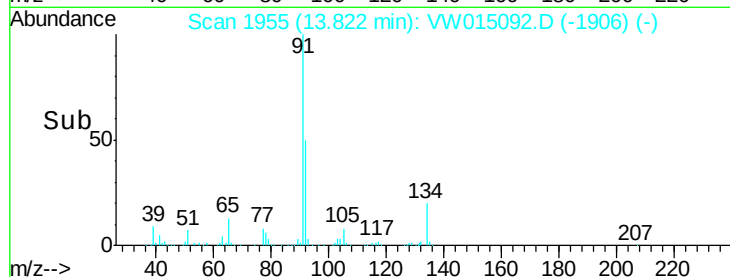
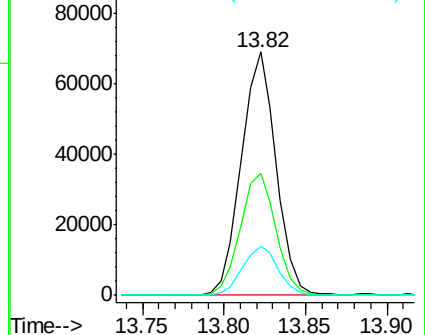
134 20.7 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 5.10 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015092.D

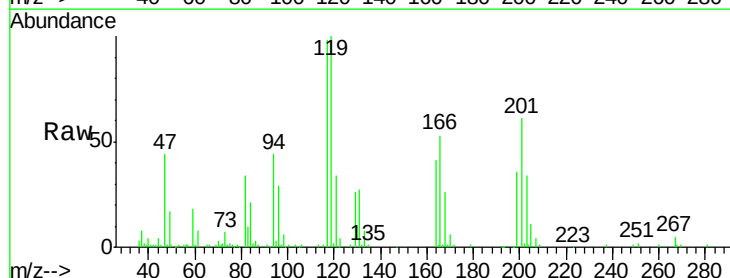
Acq: 09 Mar 2020 10:36

Tgt Ion: 117 Resp: 22466

Ion Ratio Lower Upper

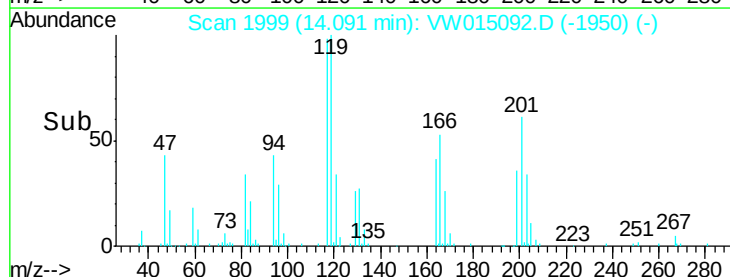
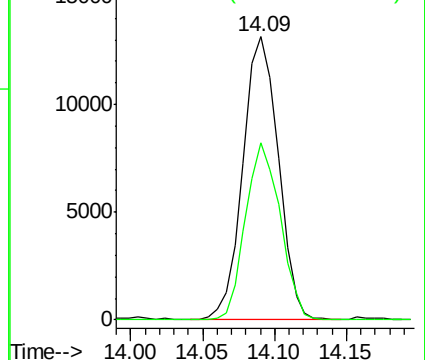
117 100

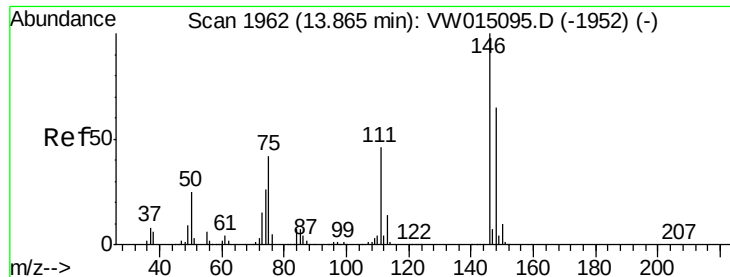
201 61.1 30.3 90.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

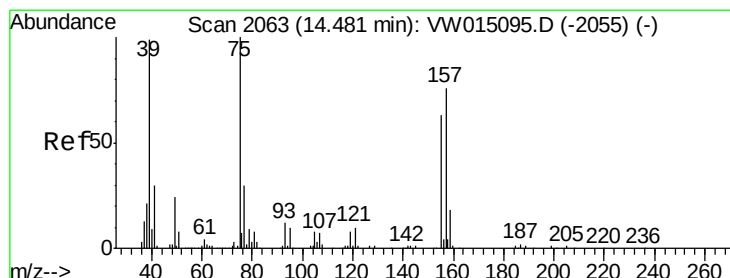
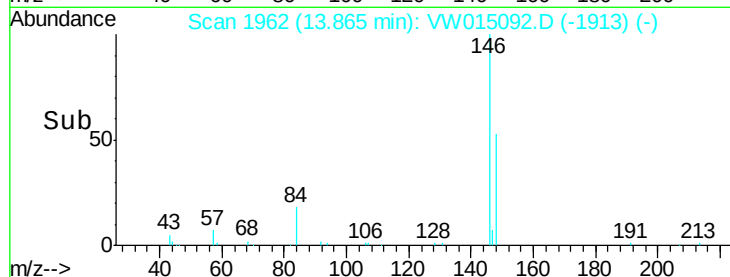
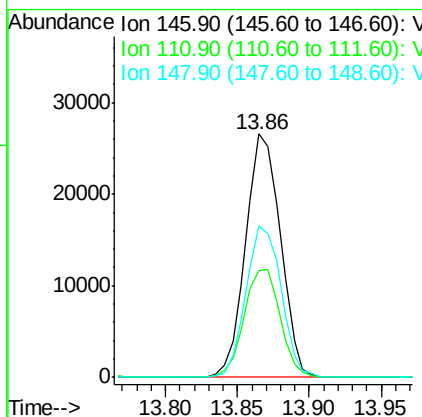
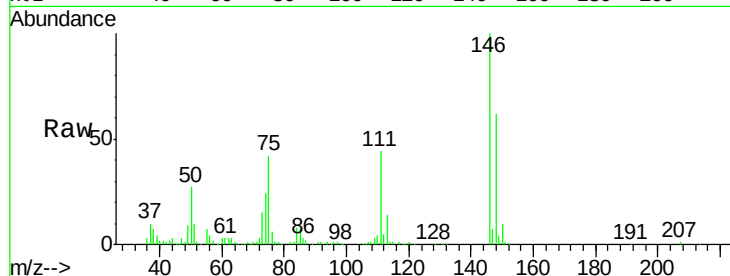




#91
 1,2-Dichlorobenzene
 Concen: 5.00 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

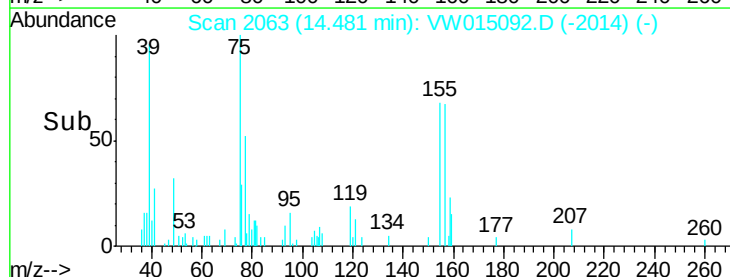
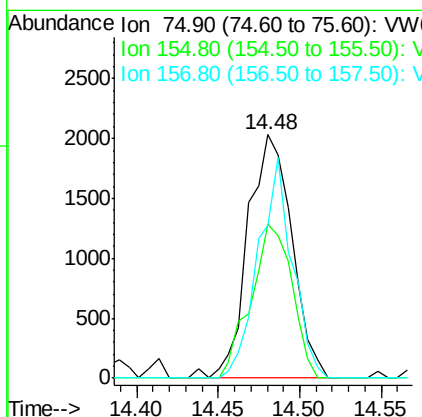
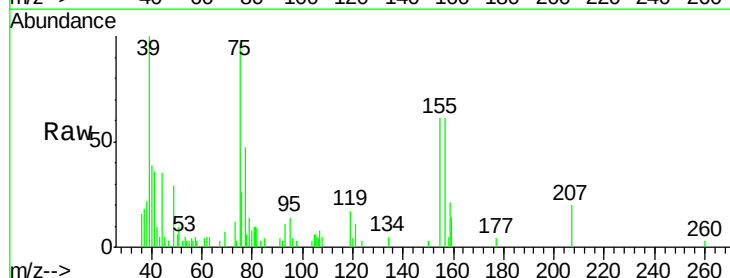
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

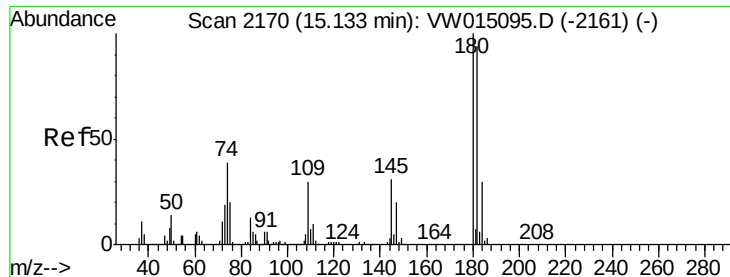
Tgt Ion:146 Resp: 44493
 Ion Ratio Lower Upper
 146 100
 111 45.8 23.1 69.2
 148 63.0 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.82 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion: 75 Resp: 3811
 Ion Ratio Lower Upper
 75 100
 155 59.3 32.1 96.3
 157 70.0 39.6 118.7

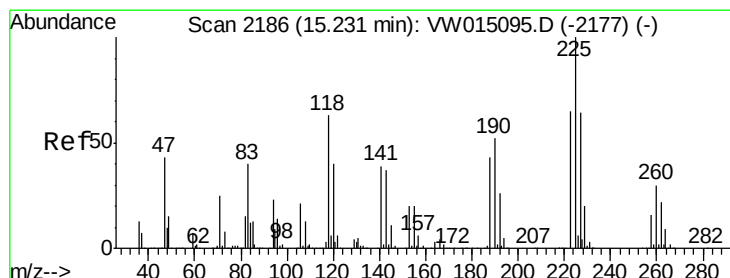
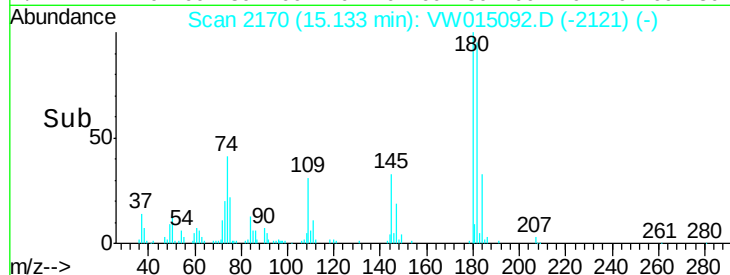
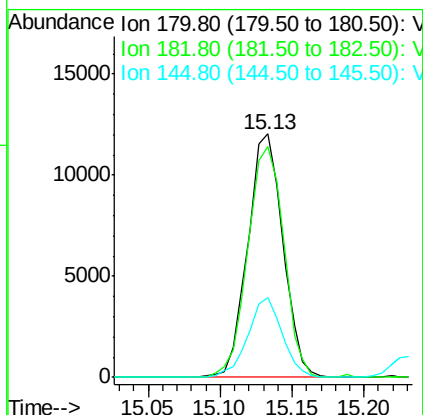
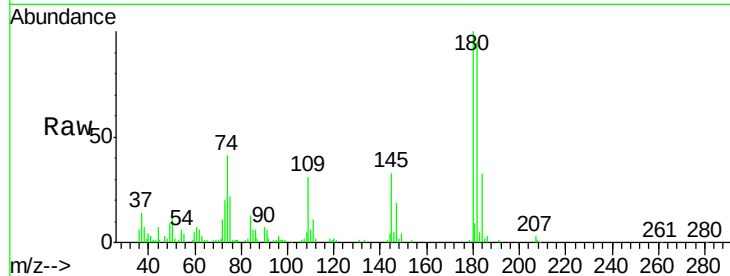




#93
 1,2,4-Trichlorobenzene
 Concen: 3.99 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

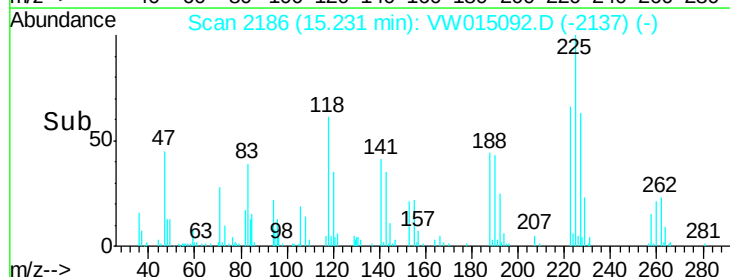
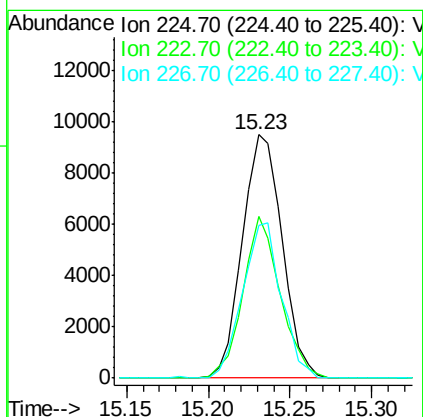
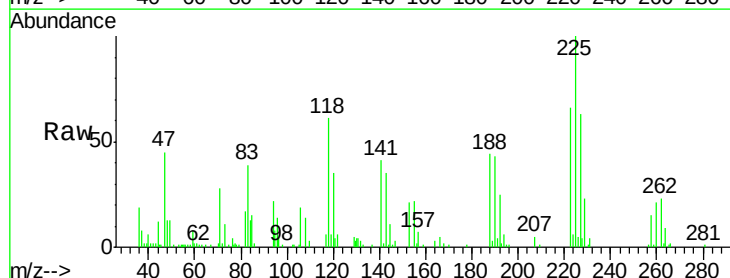
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

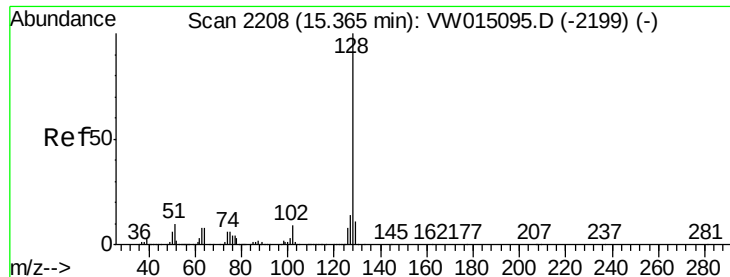
Tgt Ion:180 Resp: 20314
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.6 142.9
 145 32.1 16.2 48.5



#94
 Hexachlorobutadiene
 Concen: 5.05 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW015092.D
 Acq: 09 Mar 2020 10:36

Tgt Ion:225 Resp: 16144
 Ion Ratio Lower Upper
 225 100
 223 62.1 32.5 97.4
 227 61.7 33.0 99.0

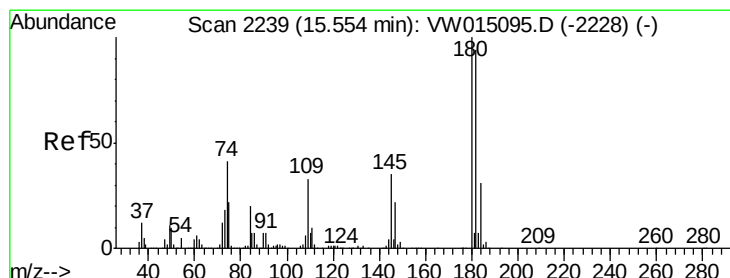
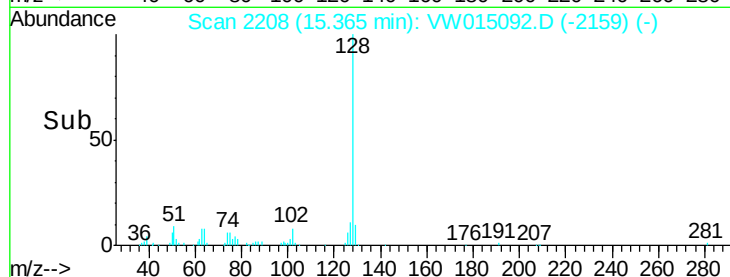
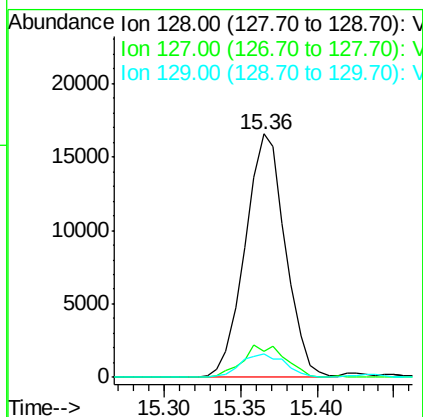
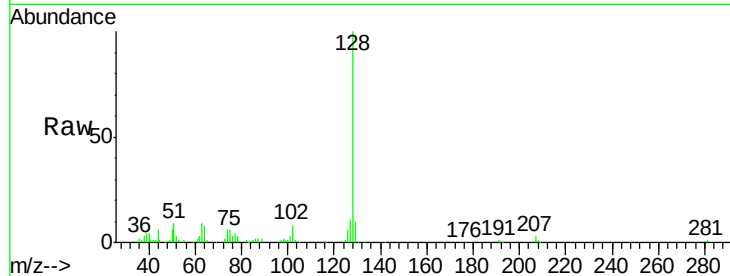




#95
Naphthalene
Concen: 3.20 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 30383
Ion Ratio Lower Upper
128 100
127 14.4 10.7 16.1
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.98 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015092.D
Acq: 09 Mar 2020 10:36

Tgt Ion:180 Resp: 17973
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.7
145 36.4 17.5 52.6

