

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009031.D
 Acq On : 07 Mar 2019 10:55
 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 08 03:22:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	290005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216684	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	14497	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
35) Dibromofluoromethane	7.89	113	11407	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
50) Toluene-d8	10.32	98	49986	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.62	95	19723	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	14204	4.867 ug/l	96
3) Chloromethane	2.21	50	17837	4.857 ug/l	93
4) Vinyl Chloride	2.35	62	17529	4.649 ug/l	99
5) Bromomethane	2.76	94	17852	5.560 ug/l	95
6) Chloroethane	2.92	64	10728	3.980 ug/l	94
7) Trichlorofluoromethane	3.26	101	22767	4.727 ug/l	88
8) Diethyl Ether	3.68	74	6720	4.626 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14462	4.828 ug/l	97
10) Methyl Iodide	4.28	142	6705	2.356 ug/l	93
11) Tert butyl alcohol	5.18	59	768	3.698 ug/l #	1
12) 1,1-Dichloroethene	4.04	96	12094	4.638 ug/l	97
13) Acrolein	3.90	56	39966	160.756 ug/l	99
14) Allyl chloride	4.67	41	19833	4.386 ug/l	98
15) Acrylonitrile	5.38	53	13738	20.970 ug/l	97
16) Acetone	4.13	43	16022	24.116 ug/l	97
17) Carbon Disulfide	4.38	76	38019	4.351 ug/l	100
18) Methyl Acetate	4.68	43	7103	4.652 ug/l #	79
19) Methyl tert-butyl Ether	5.43	73	29519	4.294 ug/l	99
20) Methylene Chloride	4.92	84	26570	7.026 ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	13165	4.371 ug/l	87
22) Diisopropyl ether	6.31	45	38734	4.254 ug/l #	96
23) Vinyl Acetate	6.26	43	109299	19.257 ug/l	97
24) 1,1-Dichloroethane	6.22	63	23886	4.523 ug/l	98
25) 2-Butanone	7.18	43	19613	21.748 ug/l	98
26) 2,2-Dichloropropane	7.16	77	23488	4.868 ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	13560	4.227 ug/l	92
28) Bromochloromethane	7.51	49	11010	5.038 ug/l	97
29) Tetrahydrofuran	7.53	42	10970	18.973 ug/l	97
30) Chloroform	7.67	83	23706	4.393 ug/l	92
31) Cyclohexane	7.95	56	28303	5.268 ug/l #	82
32) 1,1,1-Trichloroethane	7.87	97	24273	4.885 ug/l	95
36) 1,1-Dichloropropene	8.09	75	20351	4.719 ug/l	97
37) Ethyl Acetate	7.26	43	7893	3.896 ug/l #	94
38) Carbon Tetrachloride	8.07	117	21008	4.701 ug/l #	92

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 Acq On : 07 Mar 2019 10:55
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 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 08 03:22:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22226	4.303	ug/l	94
40) Benzene	8.32	78	52813	4.606	ug/l	96
41) Methacrylonitrile	7.49	41	5360	5.020	ug/l #	80
42) 1,2-Dichloroethane	8.40	62	16073	4.302	ug/l	86
43) Isopropyl Acetate	8.43	43	15456	4.078	ug/l #	59
44) Trichloroethene	9.09	130	14828	4.600	ug/l	89
45) 1,2-Dichloropropane	9.37	63	13160	4.614	ug/l	93
46) Dibromomethane	9.46	93	7805	4.927	ug/l	96
47) Bromodichloromethane	9.65	83	17434	4.366	ug/l	94
48) Methyl methacrylate	9.43	41	7725	4.323	ug/l	94
49) 1,4-Dioxane	9.46	88	2001	86.034	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	39275	20.334	ug/l	97
52) Toluene	10.38	92	33627	4.300	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	15819	3.984	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	19320	4.264	ug/l #	93
55) 1,1,2-Trichloroethane	10.79	97	10825	5.042	ug/l	92
56) Ethyl methacrylate	10.65	69	10105	3.754	ug/l	97
57) 1,3-Dichloropropane	10.93	76	16467	4.321	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.93	63	29344	20.979	ug/l	98
59) 2-Hexanone	10.97	43	25725	18.865	ug/l	99
60) Dibromochloromethane	11.13	129	11079	4.200	ug/l	96
61) 1,2-Dibromoethane	11.24	107	9005	4.316	ug/l	98
64) Tetrachloroethene	10.86	164	13072	4.389	ug/l	94
65) Chlorobenzene	11.66	112	39581	4.478	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	12458	4.228	ug/l	95
67) Ethyl Benzene	11.73	91	67844	4.272	ug/l	96
68) m/p-Xylenes	11.84	106	52470	8.360	ug/l	99
69) o-Xylene	12.17	106	24424	4.174	ug/l	95
70) Styrene	12.18	104	36364	3.818	ug/l	98
71) Bromoform	12.35	173	6370	3.987	ug/l #	96
73) Isopropylbenzene	12.47	105	64367	4.180	ug/l	97
74) N-amyl acetate	12.27	43	15086	4.099	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	11065	4.518	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	14380	5.960	ug/l	22
77) Bromobenzene	12.74	156	15958	4.532	ug/l	95
78) n-propylbenzene	12.80	91	80640	4.266	ug/l	98
79) 2-Chlorotoluene	12.90	91	46784	4.405	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	54499	4.107	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	2796	3.681	ug/l	88
82) 4-Chlorotoluene	12.99	91	48317	4.269	ug/l	98
83) tert-Butylbenzene	13.21	119	46218	4.146	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	53986	4.030	ug/l	99
85) sec-Butylbenzene	13.38	105	70148	4.247	ug/l	99
86) p-Isopropyltoluene	13.50	119	59936	4.048	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	32258	4.369	ug/l	94
88) 1,4-Dichlorobenzene	13.58	146	34306	4.704	ug/l	91
89) n-Butylbenzene	13.83	91	57355	4.064	ug/l	99
90) Hexachloroethane	14.09	117	10485	4.111	ug/l	87
91) 1,2-Dichlorobenzene	13.87	146	29522	4.565	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1996	4.390	ug/l	95

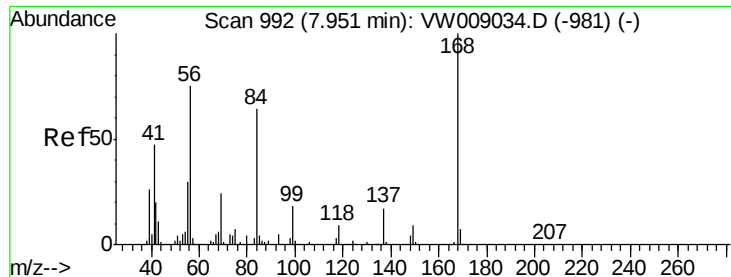
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
Data File : VW009031.D
Acq On : 07 Mar 2019 10:55
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Mar 08 03:22:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 03:11:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	18353	4.150	ug/l	97
94) Hexachlorobutadiene	15.24	225	12570	4.548	ug/l	97
95) Naphthalene	15.37	128	24277	3.314	ug/l	96
96) 1,2,3-Trichlorobenzene	15.56	180	15303	3.941	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

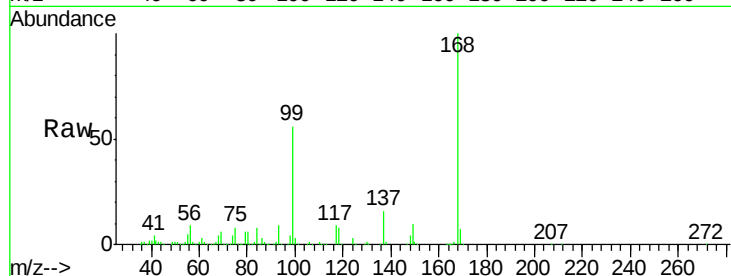
VSTDIC005

Tgt Ion:168 Resp: 290005

Ion Ratio Lower Upper

168 100

99 56.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

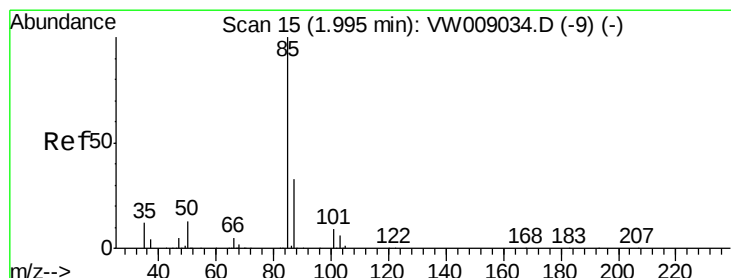
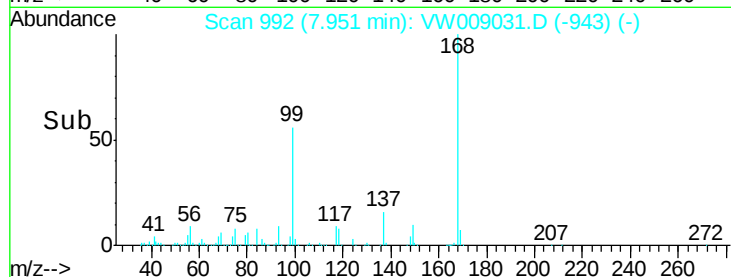
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 4.867 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009031.D

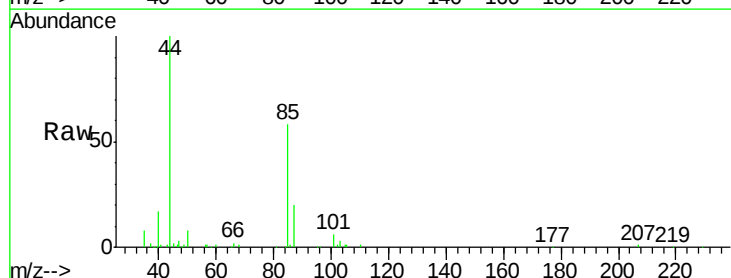
Acq: 07 Mar 2019 10:55

Tgt Ion: 85 Resp: 14204

Ion Ratio Lower Upper

85 100

87 34.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

6000

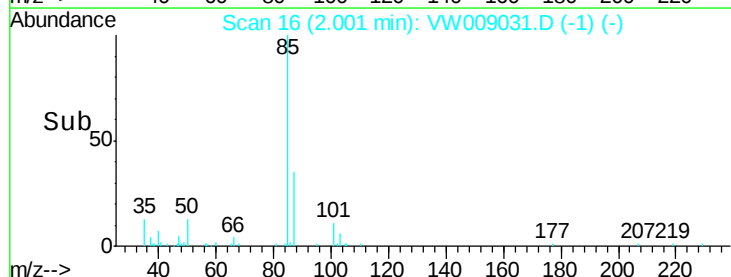
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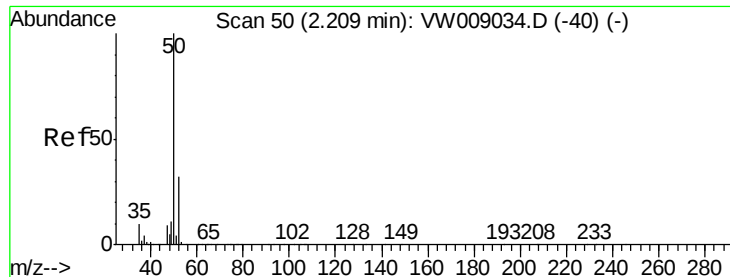
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 4.857 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

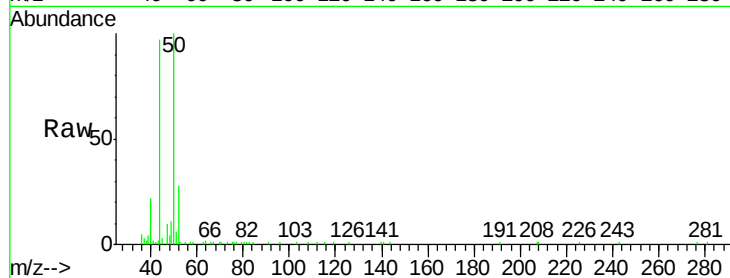
VSTDIC005

Tgt Ion: 50 Resp: 17837

Ion Ratio Lower Upper

50 100

52 27.8 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

12000

10000

8000

6000

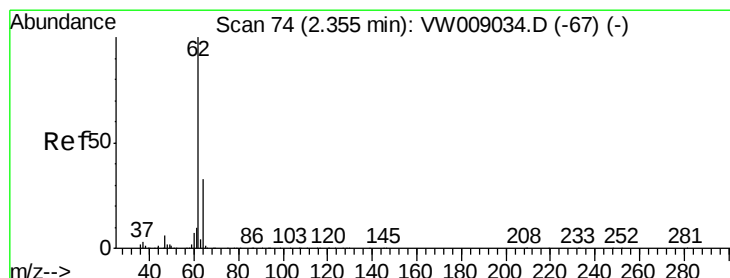
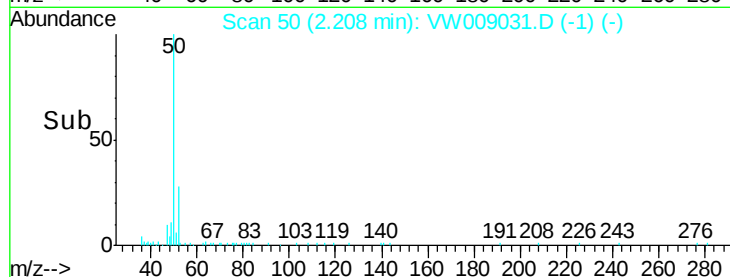
4000

2000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 4.649 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009031.D

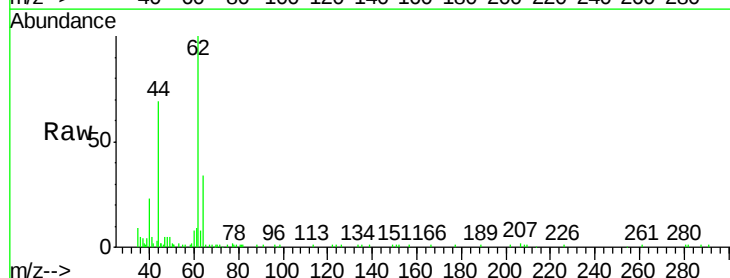
Acq: 07 Mar 2019 10:55

Tgt Ion: 62 Resp: 17529

Ion Ratio Lower Upper

62 100

64 33.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

12000

10000

8000

6000

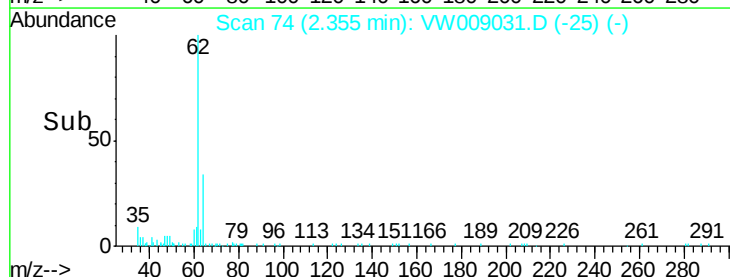
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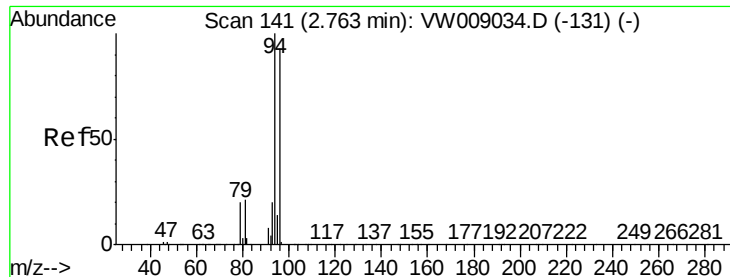
2000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 5.560 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

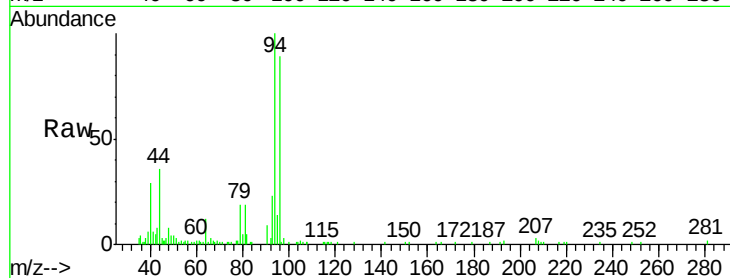
VSTDIC005

Tgt Ion: 94 Resp: 17852

Ion Ratio Lower Upper

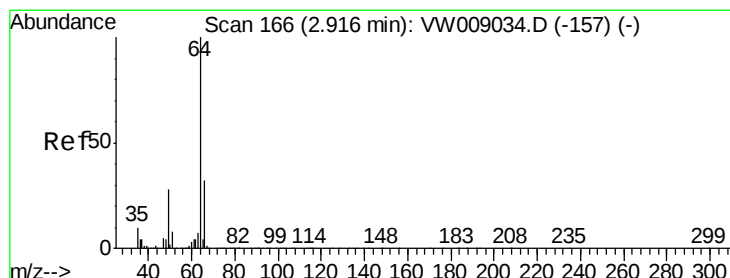
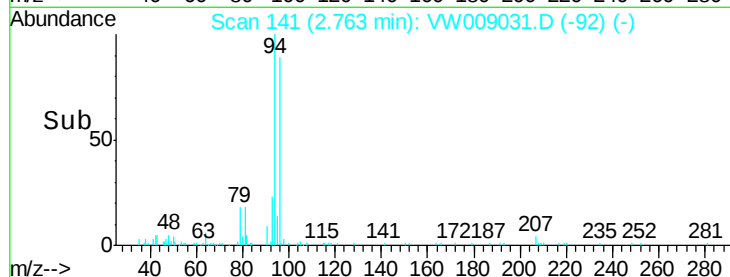
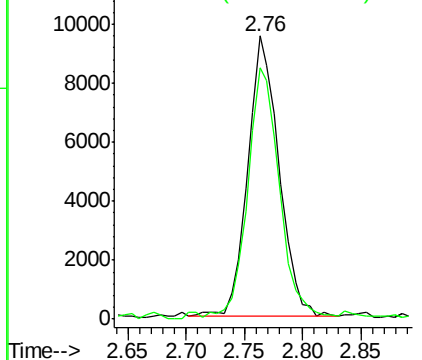
94 100

96 88.6 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 3.980 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW009031.D

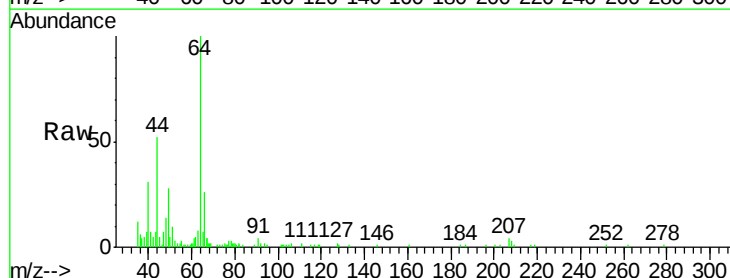
Acq: 07 Mar 2019 10:55

Tgt Ion: 64 Resp: 10728

Ion Ratio Lower Upper

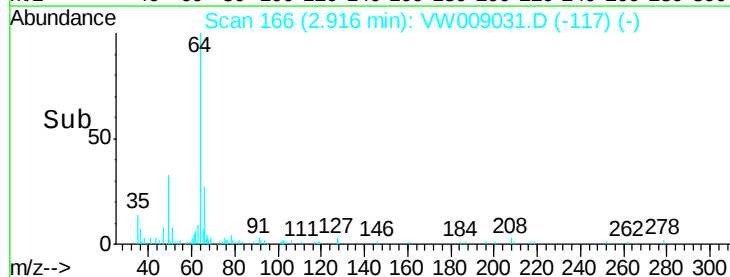
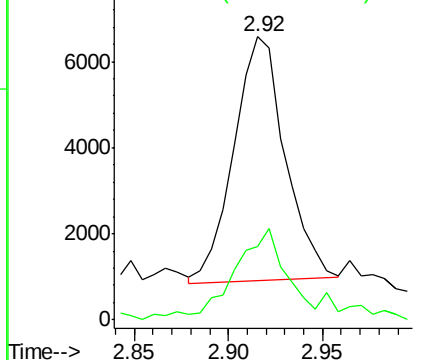
64 100

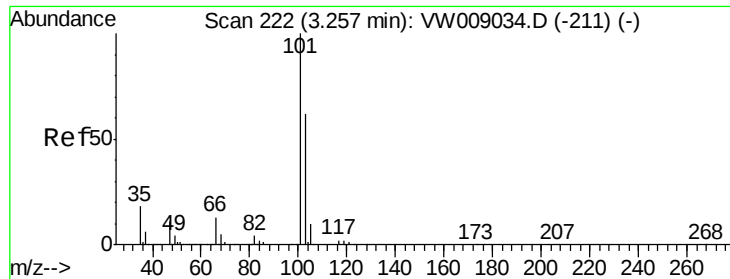
66 28.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



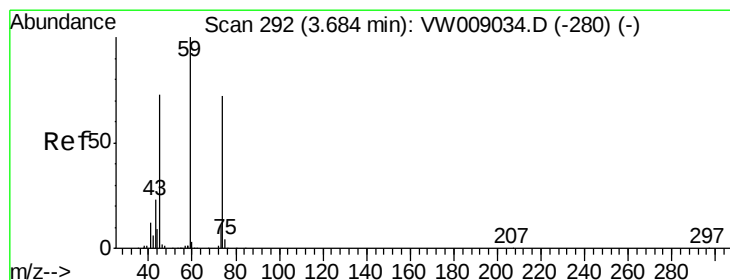
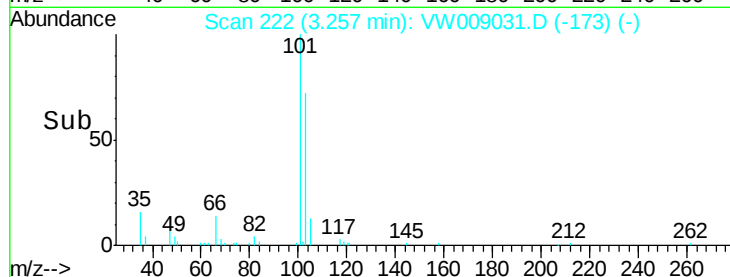
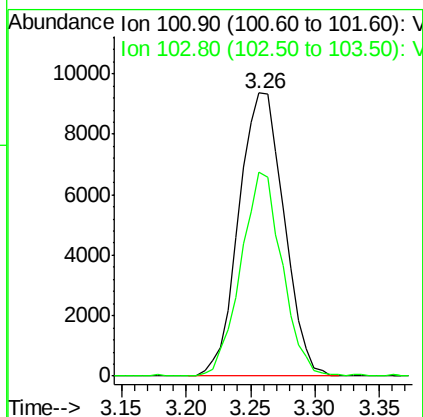
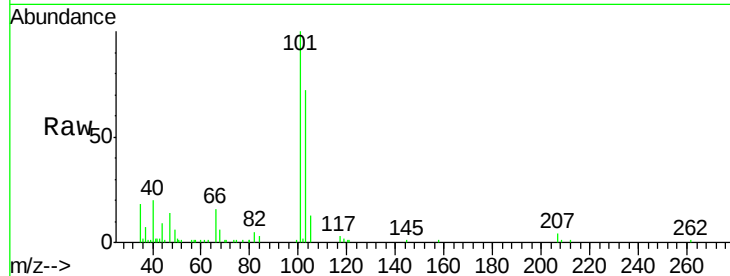


#7

Trichlorofluoromethane
Concen: 4.727 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

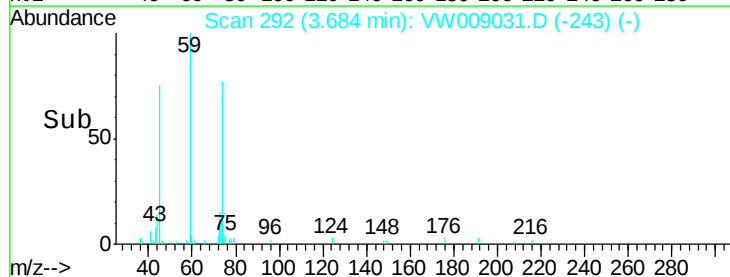
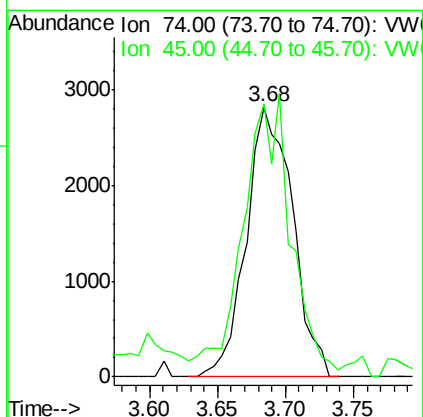
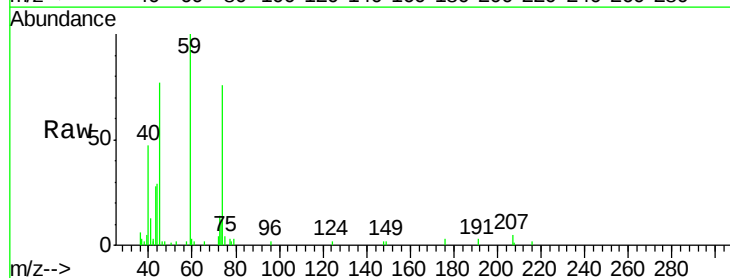
Tgt Ion:101 Resp: 22767
Ion Ratio Lower Upper
101 100
103 71.9 49.9 74.9

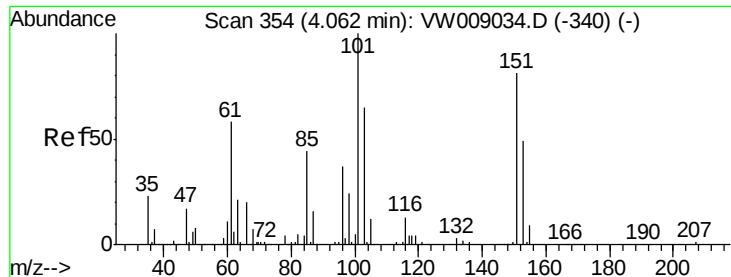


#8

Diethyl Ether
Concen: 4.626 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion: 74 Resp: 6720
Ion Ratio Lower Upper
74 100
45 105.7 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.828 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

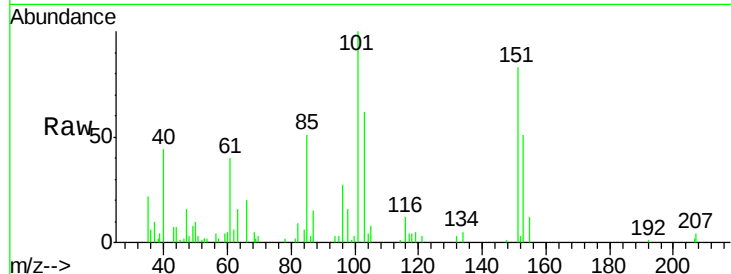
Tgt Ion:101 Resp: 14462

Ion Ratio Lower Upper

101 100

85 46.2 36.2 54.4

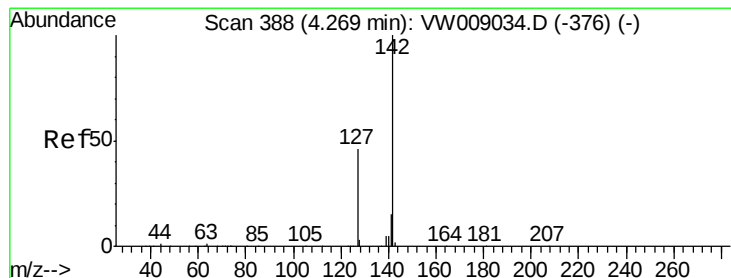
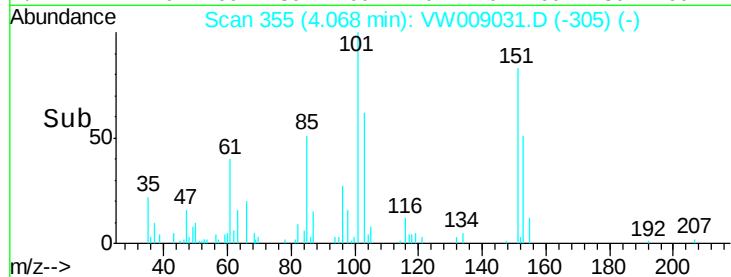
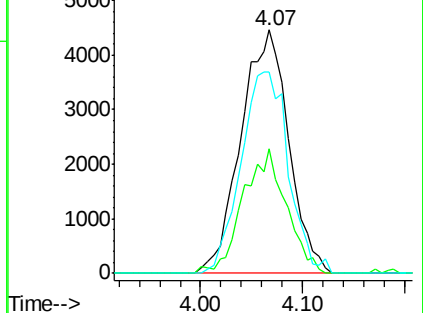
151 82.4 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.356 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

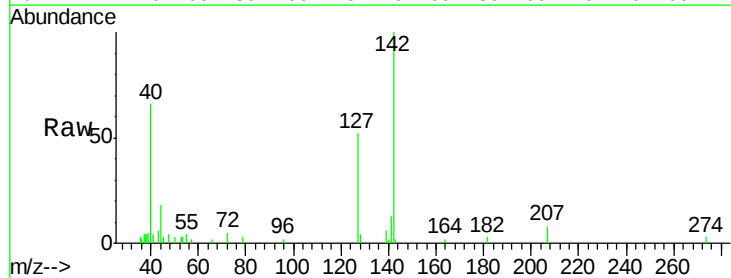
Tgt Ion:142 Resp: 6705

Ion Ratio Lower Upper

142 100

127 49.5 35.8 53.6

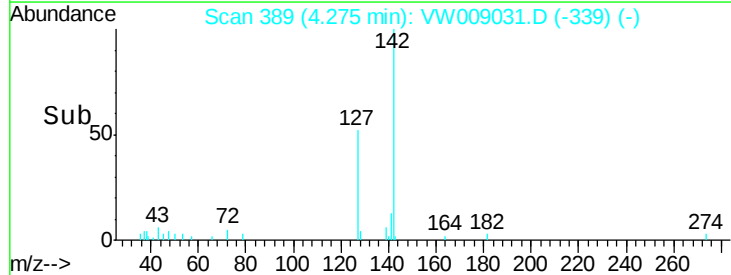
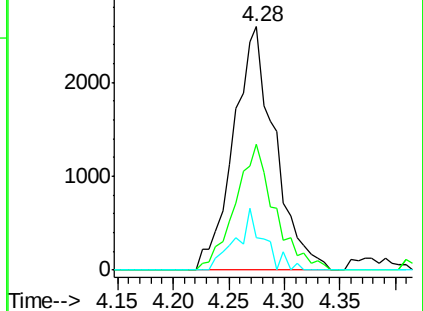
141 17.0 11.8 17.8

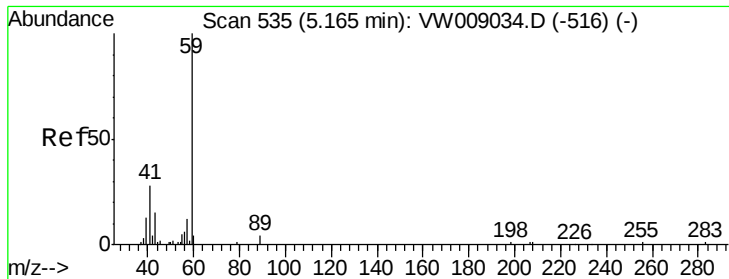


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

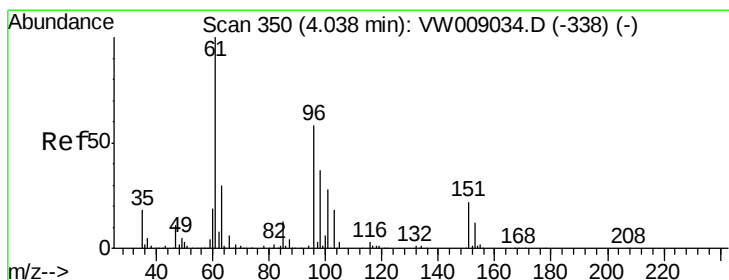
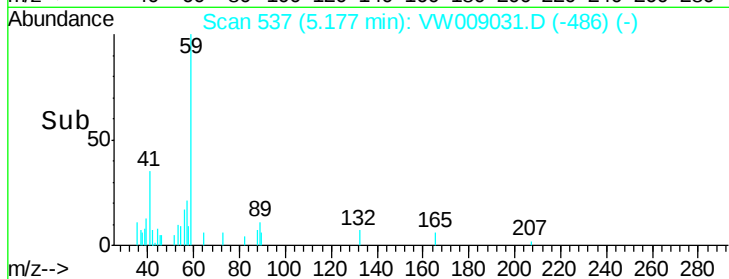
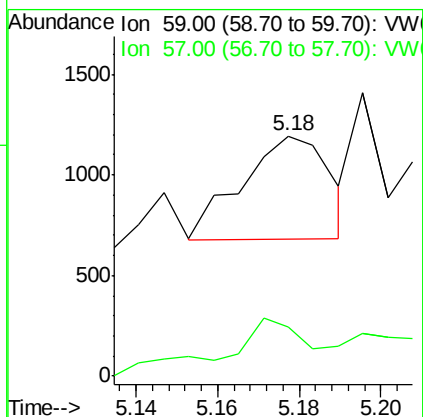
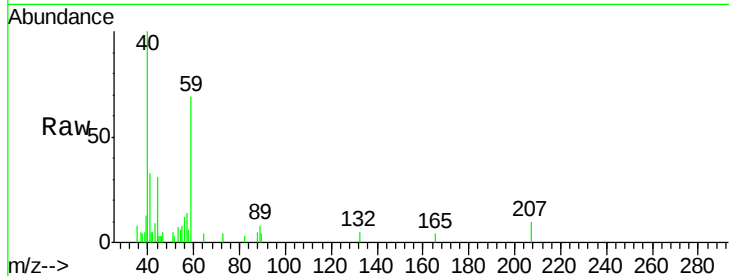




#11
Tert butyl alcohol
Concen: 3.698 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

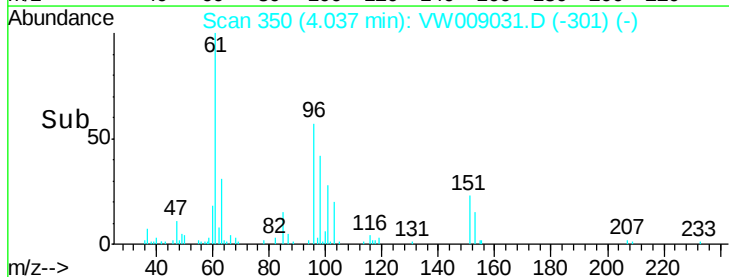
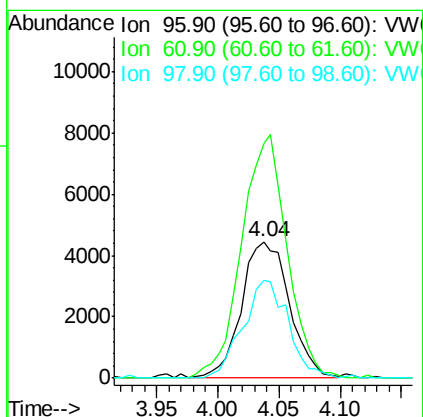
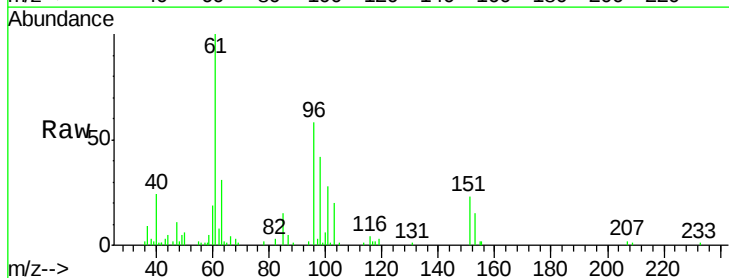
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

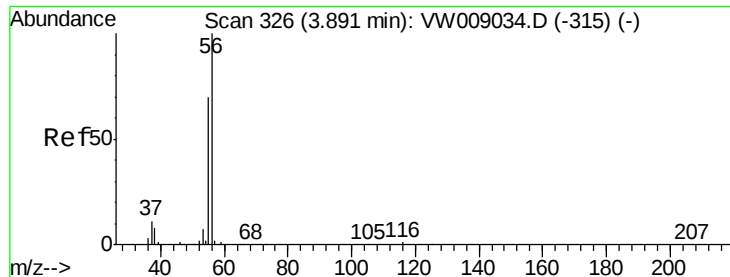
Tgt Ion: 59 Resp: 768
Ion Ratio Lower Upper
59 100
57 59.8 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 4.638 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion: 96 Resp: 12094
Ion Ratio Lower Upper
96 100
61 171.7 138.2 207.2
98 71.6 51.3 76.9





#13

Acrolein

Concen: 160.756 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

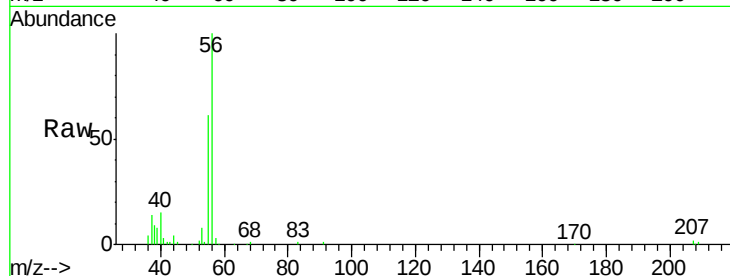
VSTDIC005

Tgt Ion: 56 Resp: 39966

Ion Ratio Lower Upper

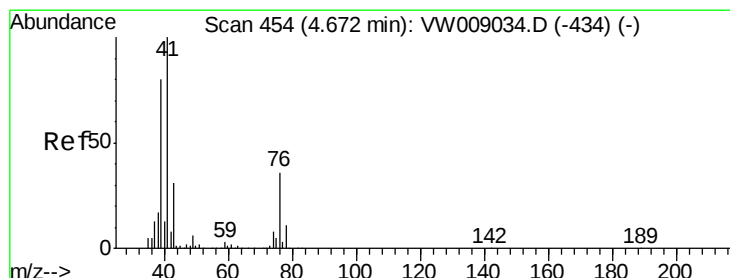
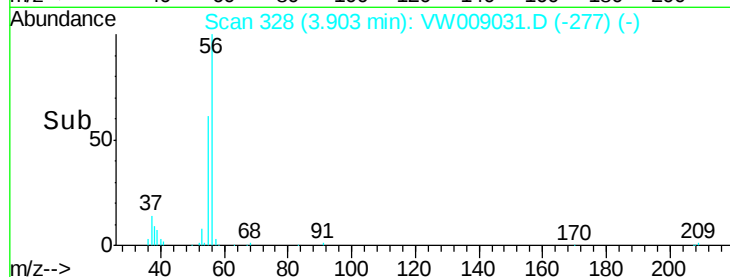
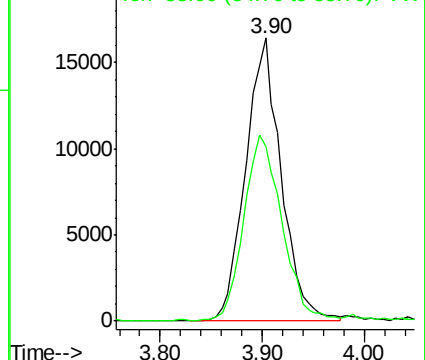
56 100

55 70.2 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 4.386 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

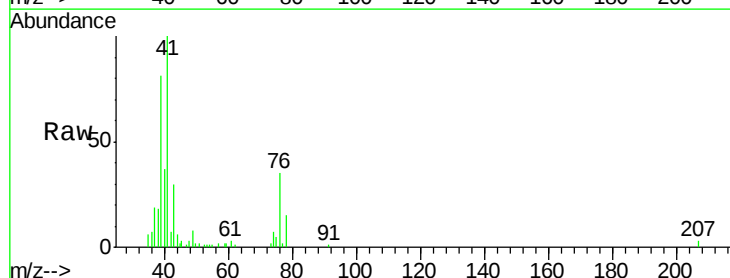
Tgt Ion: 41 Resp: 19833

Ion Ratio Lower Upper

41 100

39 81.3 63.0 94.4

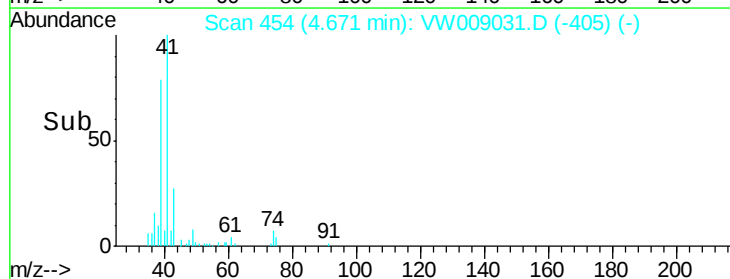
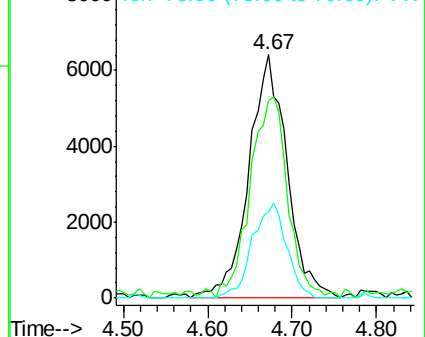
76 34.9 28.2 42.2

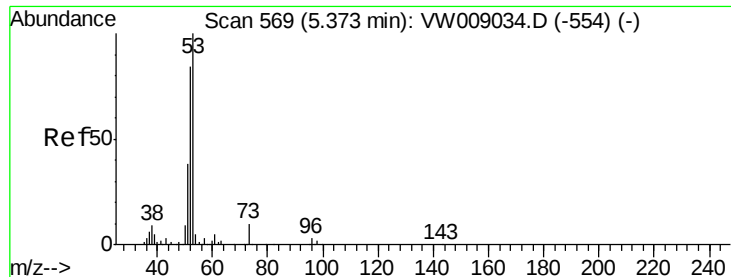


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 20.970 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

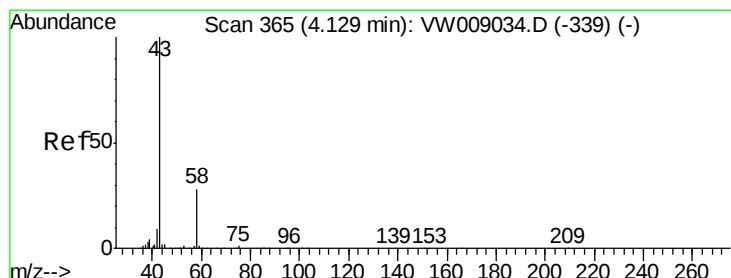
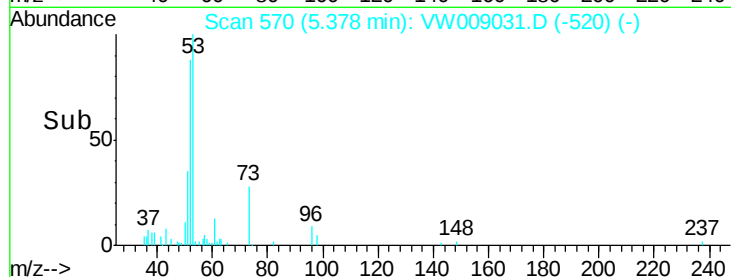
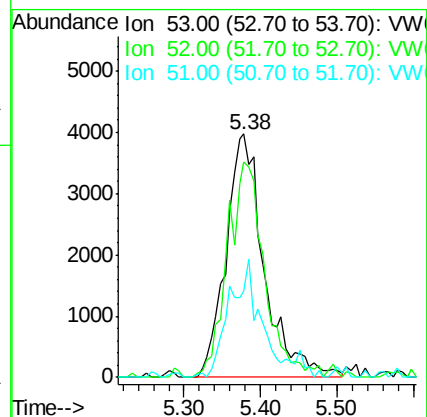
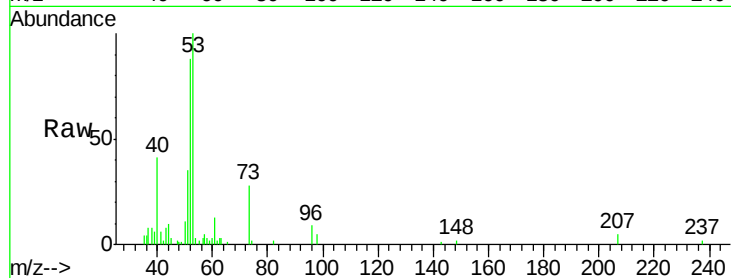
Tgt Ion: 53 Resp: 13738

Ion Ratio Lower Upper

53 100

52 86.3 67.2 100.8

51 37.9 31.8 47.6



#16

Acetone

Concen: 24.116 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009031.D

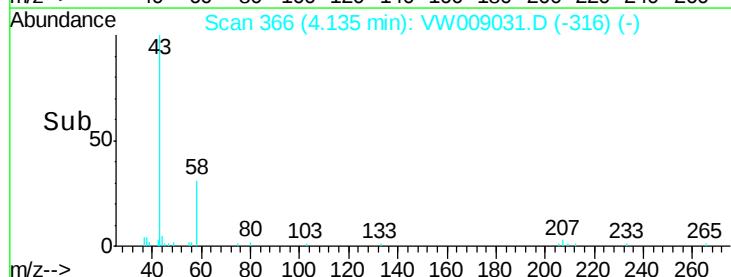
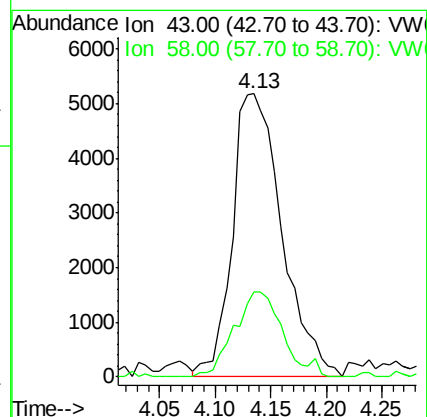
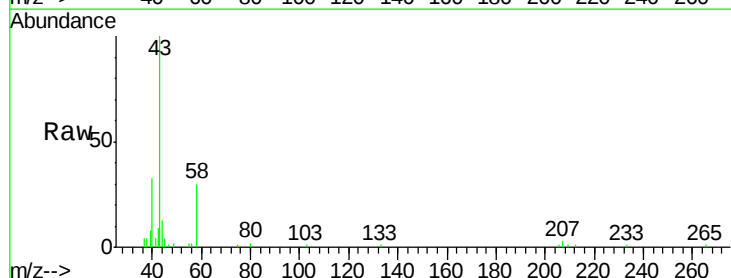
Acq: 07 Mar 2019 10:55

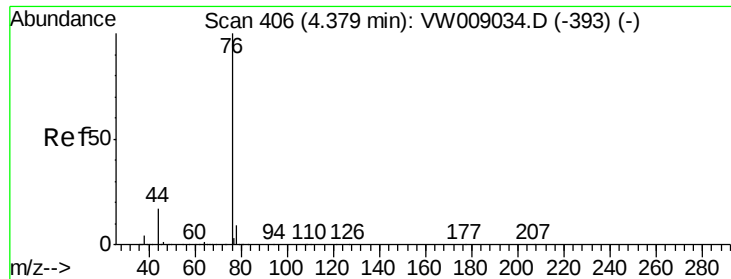
Tgt Ion: 43 Resp: 16022

Ion Ratio Lower Upper

43 100

58 29.9 22.5 33.7





#17

Carbon Disulfide

Concen: 4.351 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

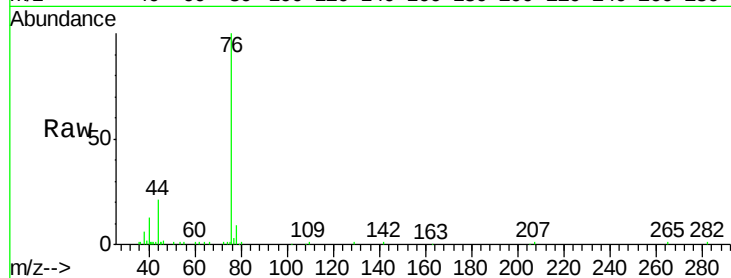
VSTDIC005

Tgt Ion: 76 Resp: 38019

Ion Ratio Lower Upper

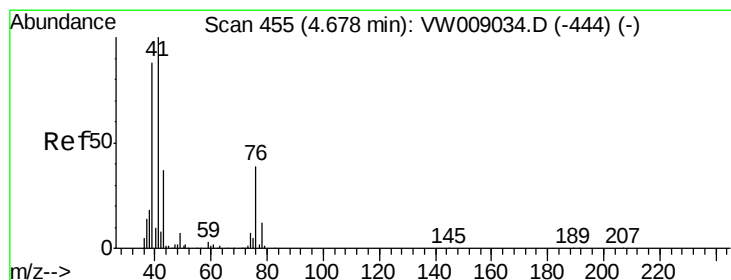
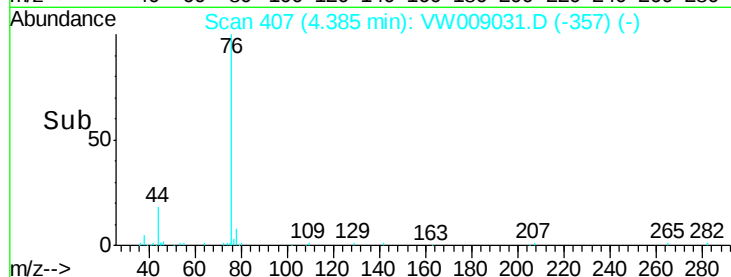
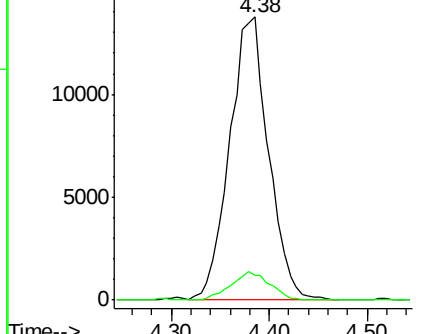
76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 4.652 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW009031.D

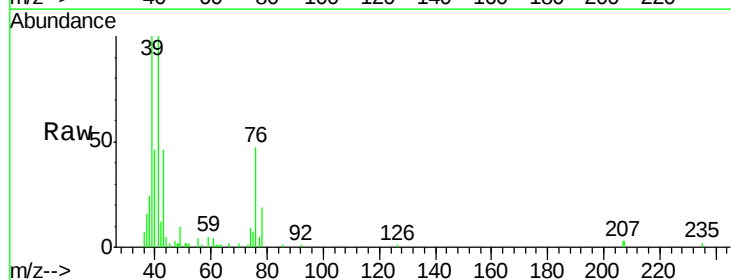
Acq: 07 Mar 2019 10:55

Tgt Ion: 43 Resp: 7103

Ion Ratio Lower Upper

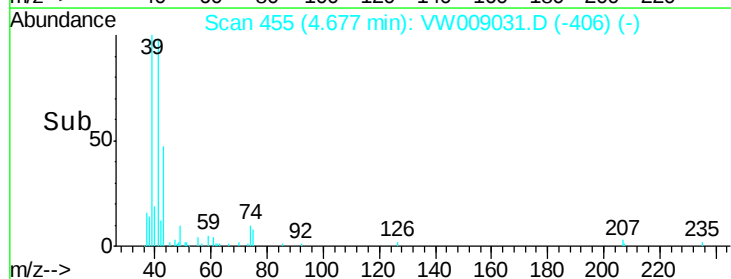
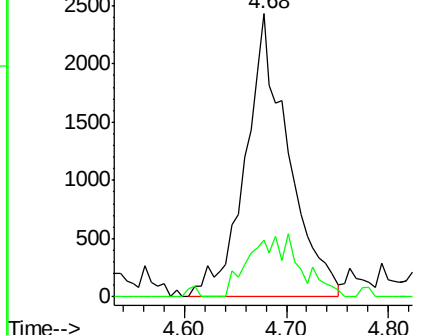
43 100

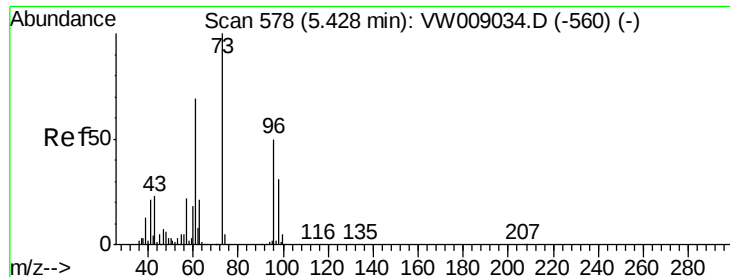
74 12.0 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

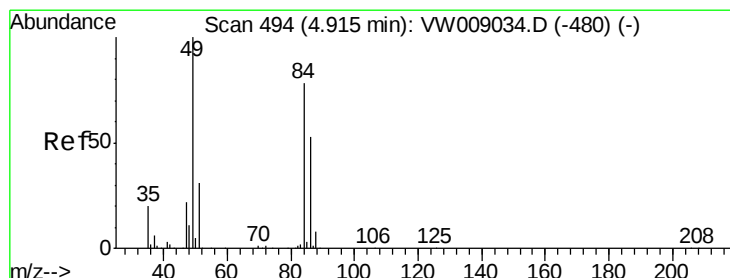
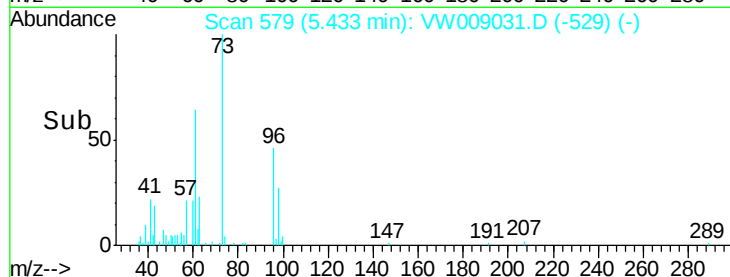
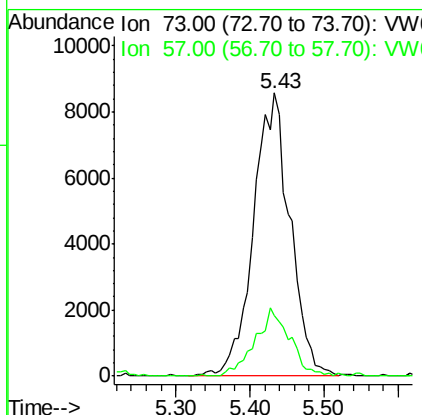
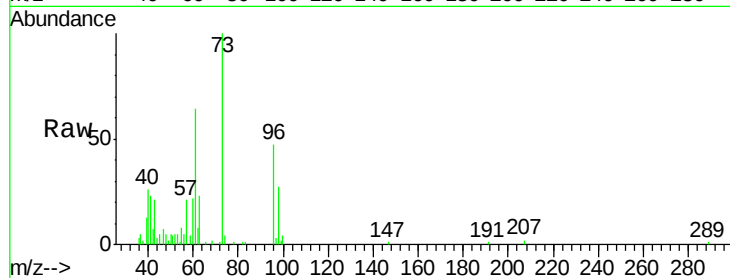




#19
Methyl tert-butyl Ether
Concen: 4.294 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

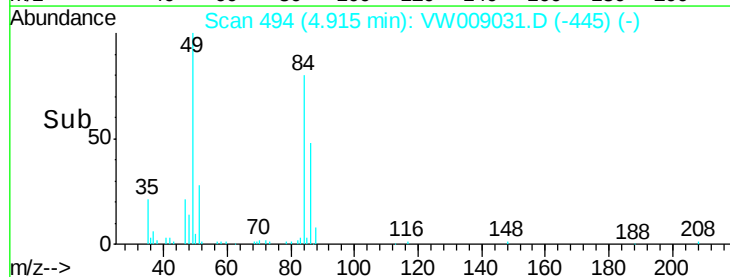
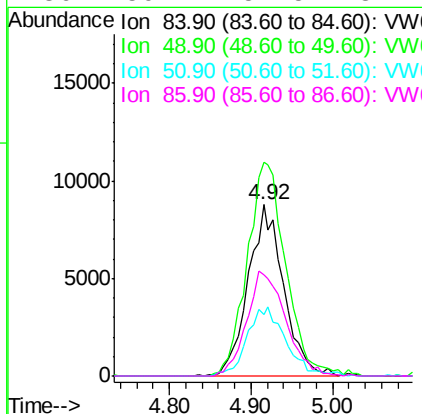
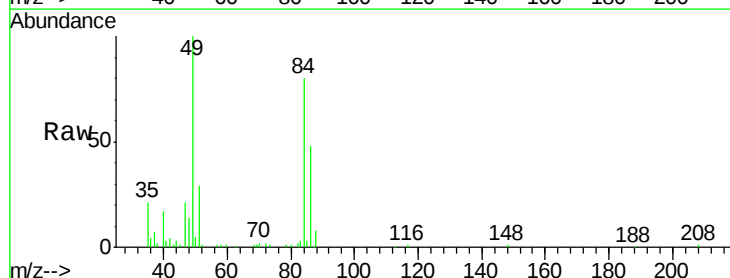
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

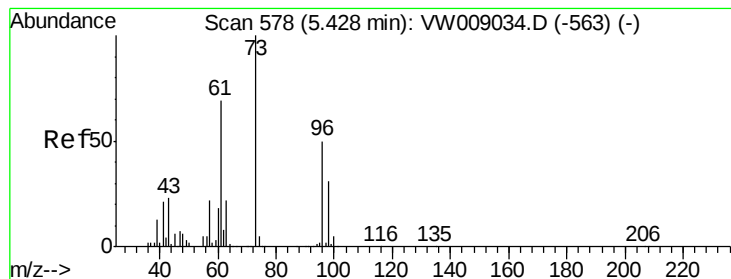
Tgt Ion: 73 Resp: 29519
Ion Ratio Lower Upper
73 100
57 21.2 17.3 25.9



#20
Methylene Chloride
Concen: 7.026 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion: 84 Resp: 26570
Ion Ratio Lower Upper
84 100
49 124.6 102.4 153.6
51 36.0 31.6 47.4
86 59.2 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 4.371 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

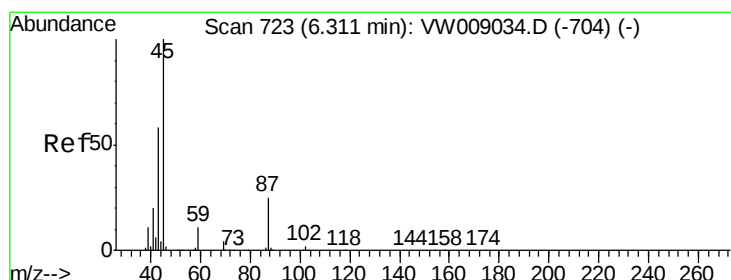
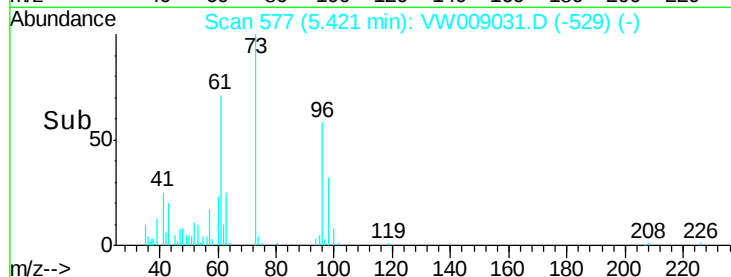
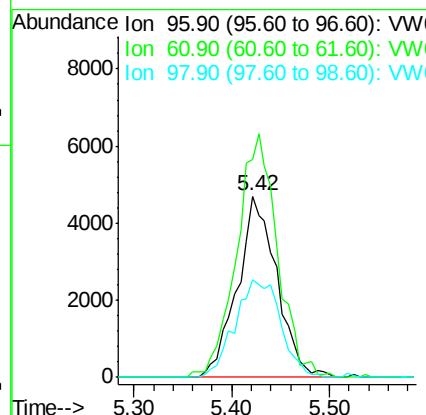
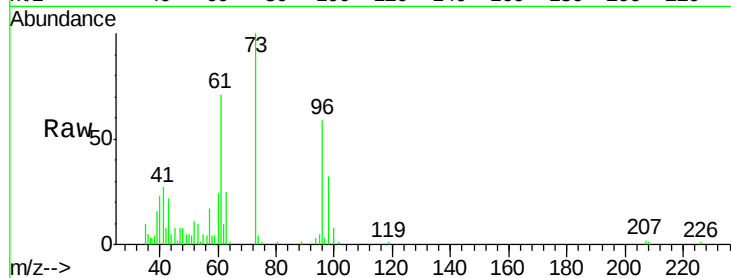
Tgt Ion: 96 Resp: 13165

Ion Ratio Lower Upper

96 100

61 120.7 111.0 166.6

98 54.1 49.4 74.0



#22

Diisopropyl ether

Concen: 4.254 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion: 45 Resp: 38734

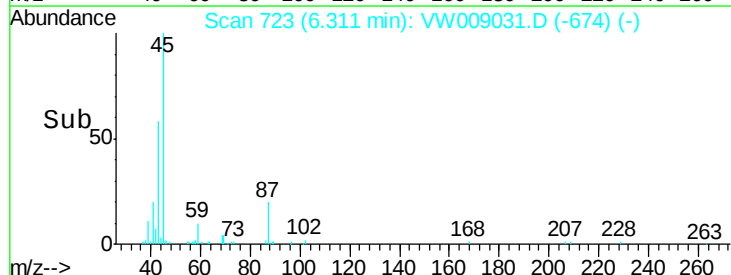
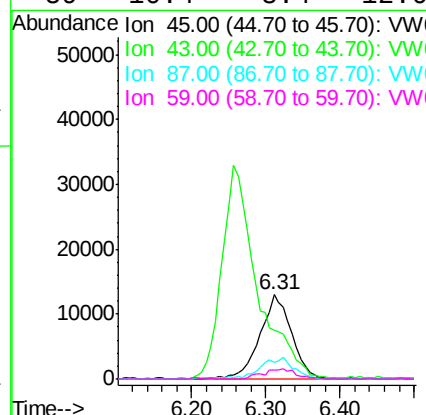
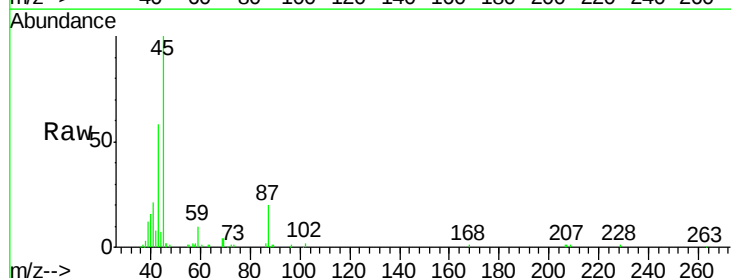
Ion Ratio Lower Upper

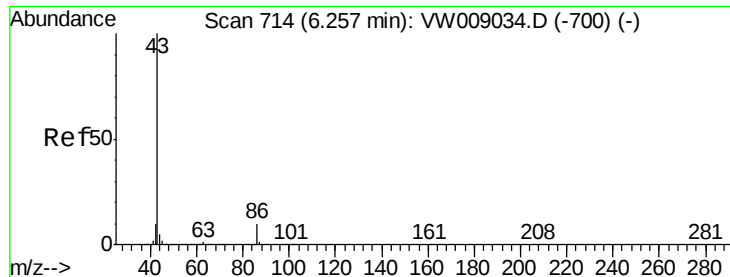
45 100

43 56.9 46.2 69.4

87 19.7 20.1 30.1#

59 10.4 8.4 12.6





#23

Vinyl Acetate

Concen: 19.257 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

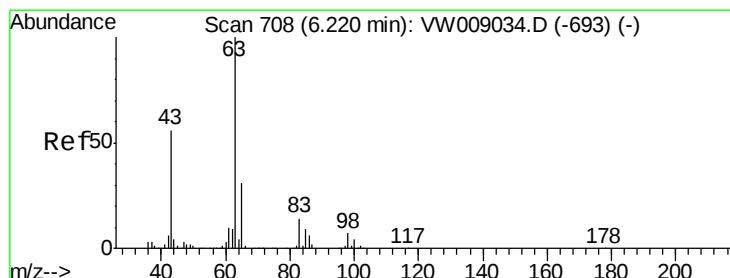
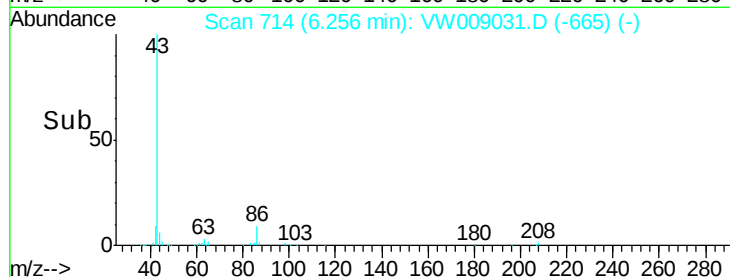
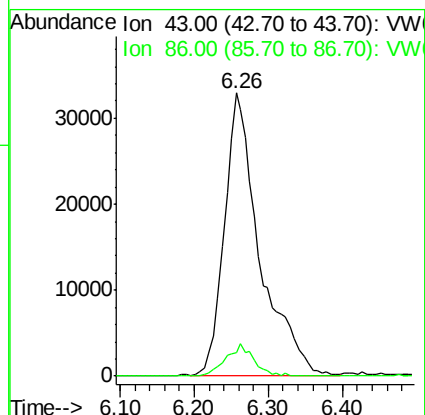
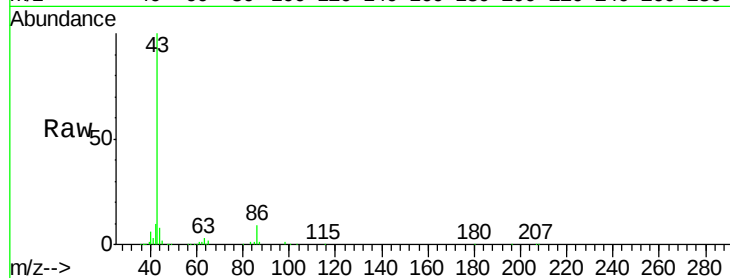
VSTDIC005

Tgt Ion: 43 Resp: 109299

Ion Ratio Lower Upper

43 100

86 8.5 7.6 11.4



#24

1,1-Dichloroethane

Concen: 4.523 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

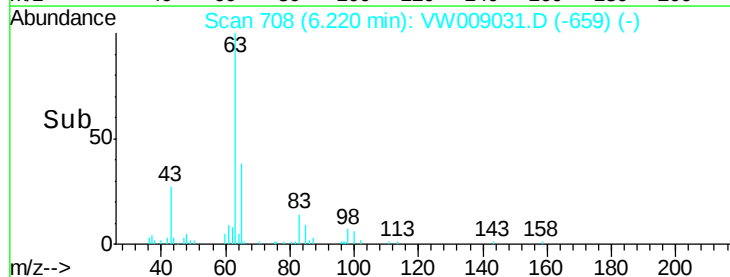
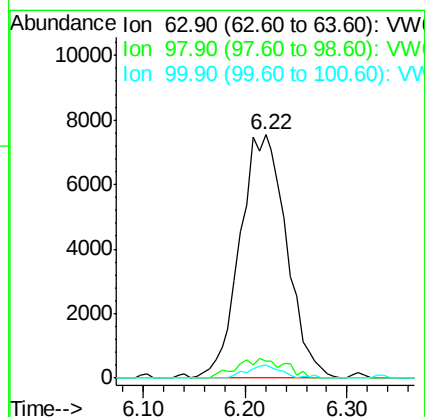
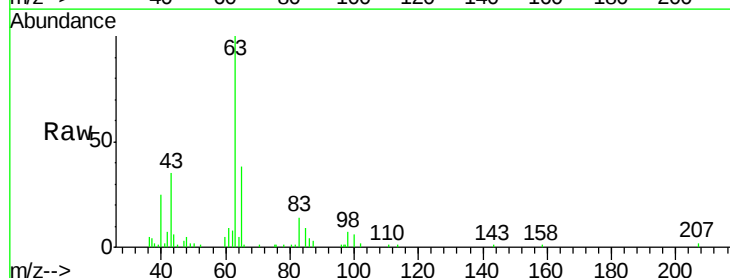
Tgt Ion: 63 Resp: 23886

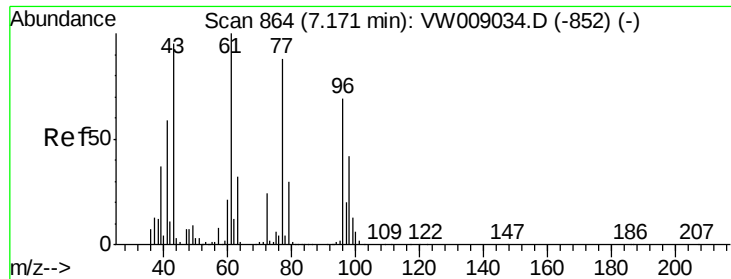
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 5.7 2.1 6.2





#25

2-Butanone

Concen: 21.748 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampled :

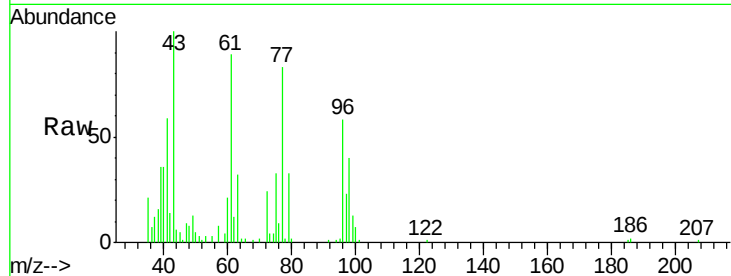
VSTDIC005

Tgt Ion: 43 Resp: 19613

Ion Ratio Lower Upper

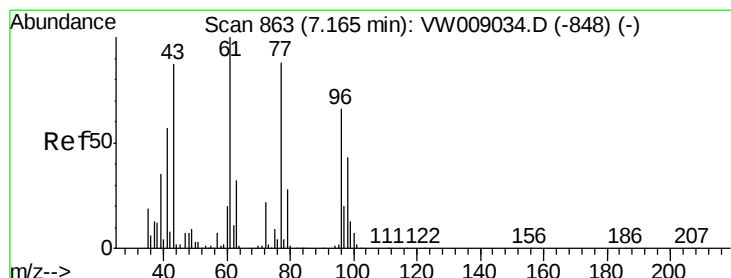
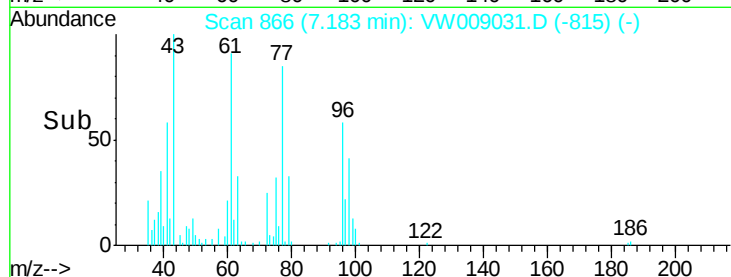
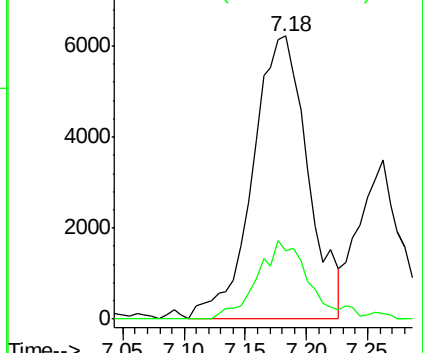
43 100

72 24.1 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 4.868 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009031.D

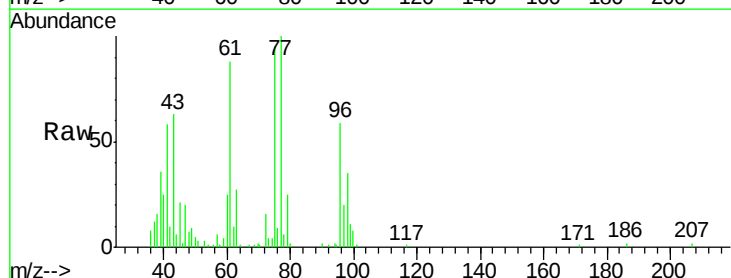
Acq: 07 Mar 2019 10:55

Tgt Ion: 77 Resp: 23488

Ion Ratio Lower Upper

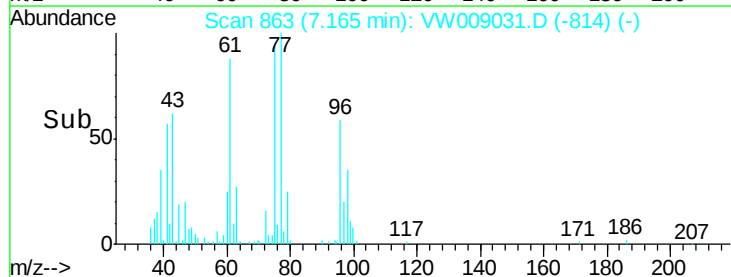
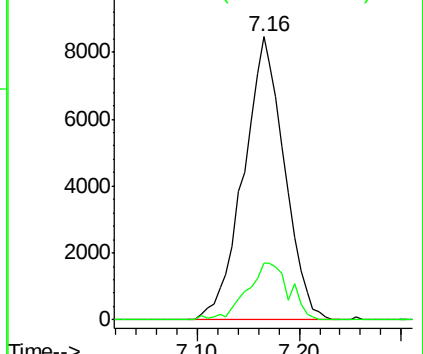
77 100

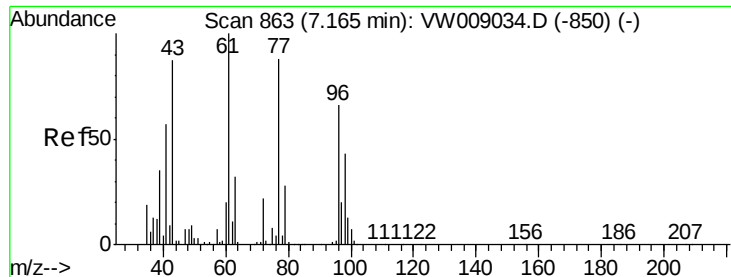
97 20.8 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

cis-1,2-Dichloroethene

Concen: 4.227 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

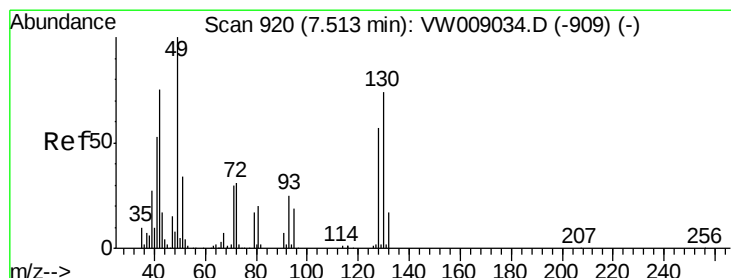
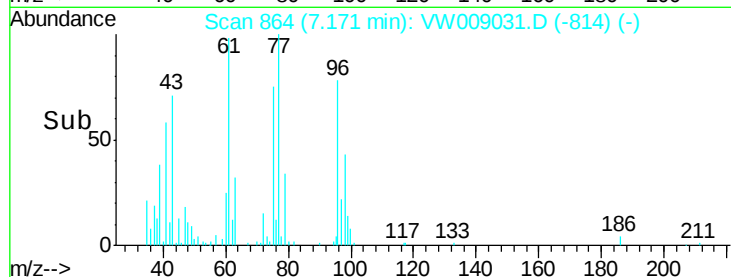
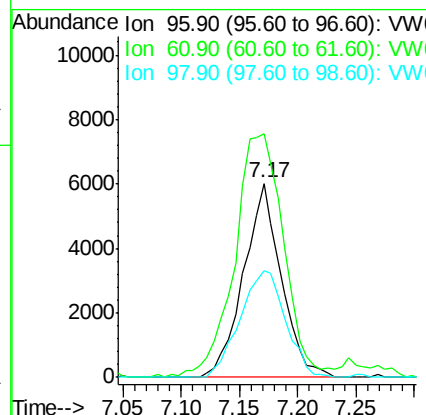
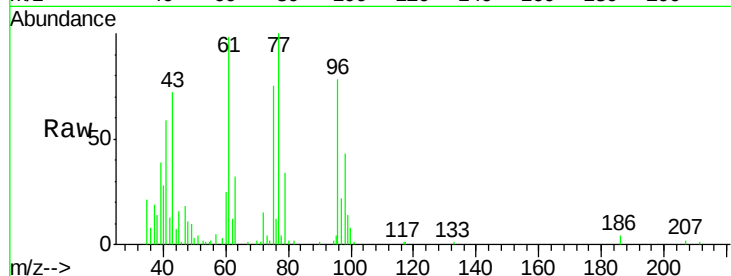
Tgt Ion: 96 Resp: 13560

Ion Ratio Lower Upper

96 100

61 163.1 0.0 299.8

98 66.2 0.0 127.2



#28

Bromochloromethane

Concen: 5.038 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

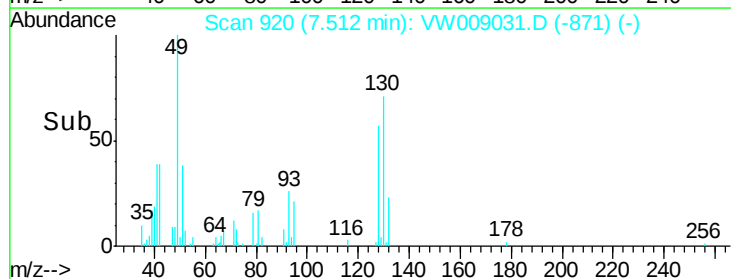
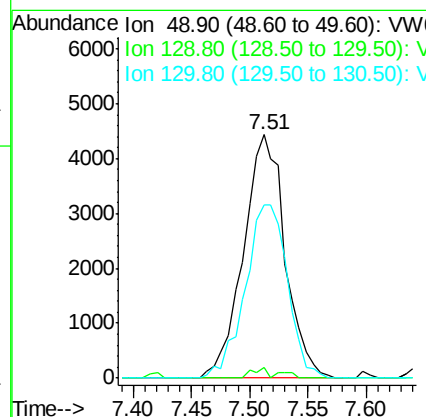
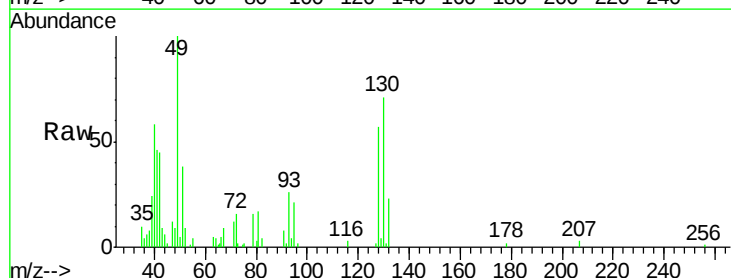
Tgt Ion: 49 Resp: 11010

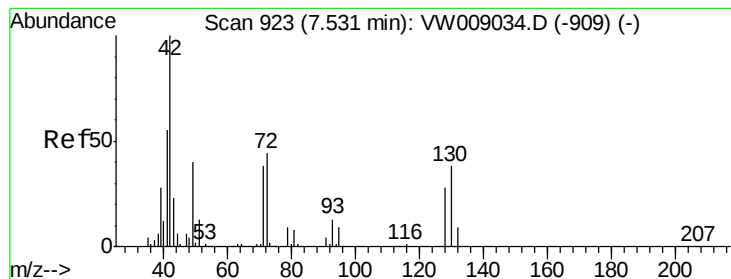
Ion Ratio Lower Upper

49 100

129 1.4 0.0 4.6

130 72.6 60.4 90.6





#29

Tetrahydrofuran

Concen: 18.973 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

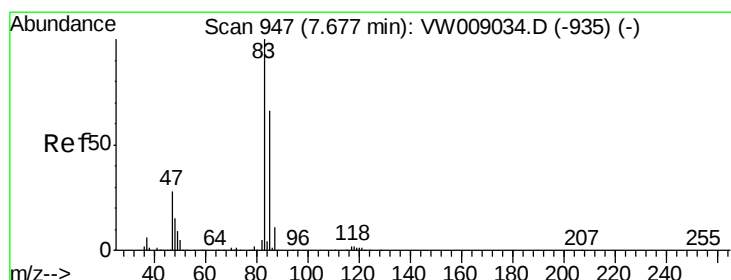
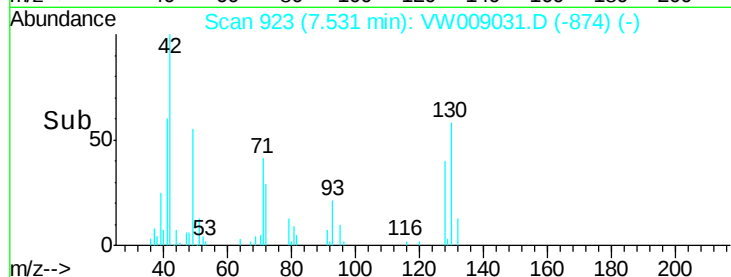
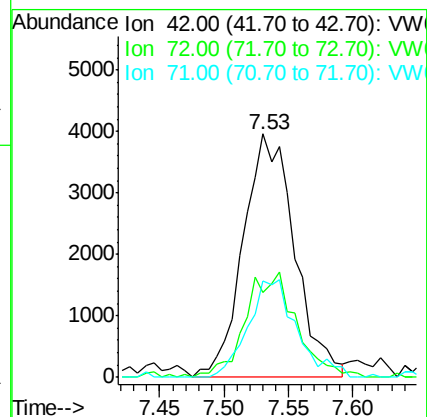
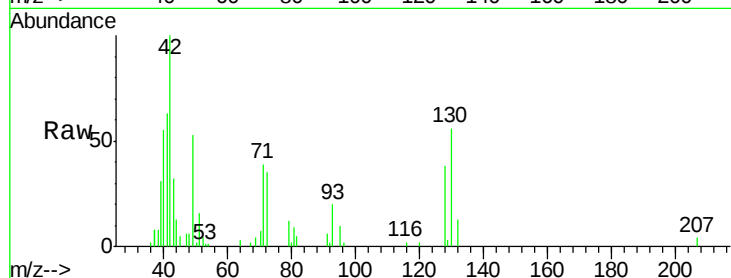
Tgt Ion: 42 Resp: 10970

Ion Ratio Lower Upper

42 100

72 42.9 32.2 48.4

71 37.8 30.7 46.1



#30

Chloroform

Concen: 4.393 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW009031.D

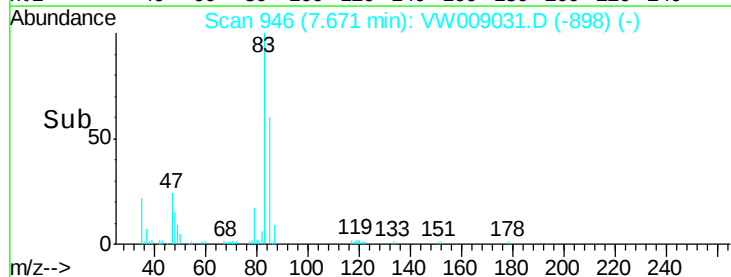
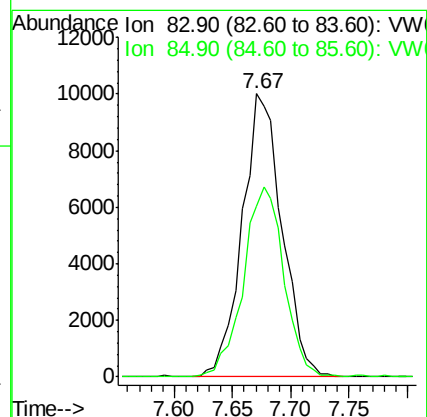
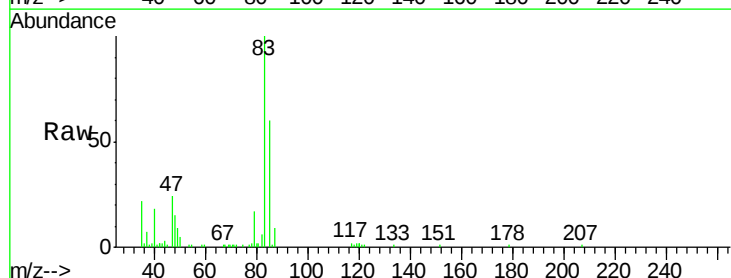
Acq: 07 Mar 2019 10:55

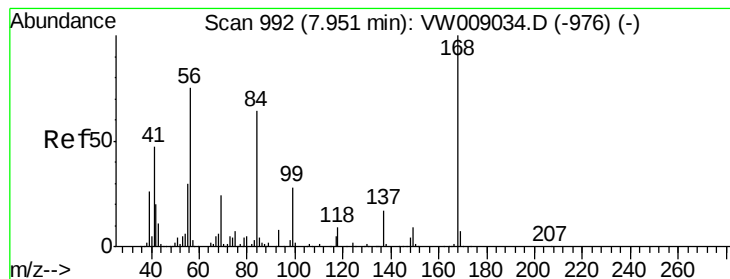
Tgt Ion: 83 Resp: 23706

Ion Ratio Lower Upper

83 100

85 60.1 53.0 79.6





#31

Cyclohexane

Concen: 5.268 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

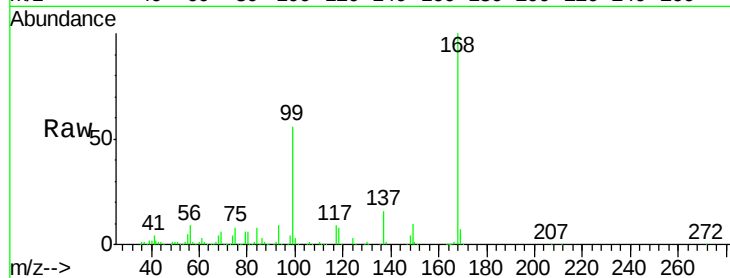
Tgt Ion: 56 Resp: 28303

Ion Ratio Lower Upper

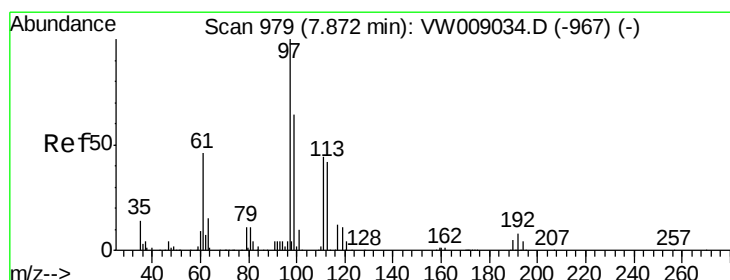
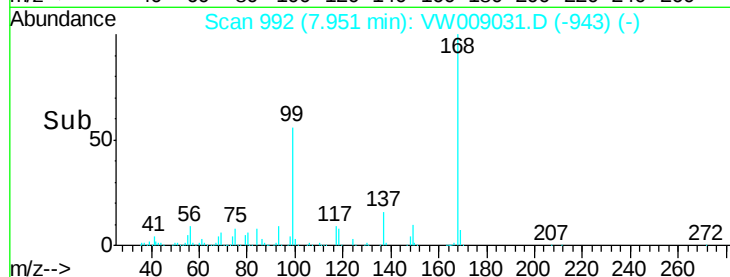
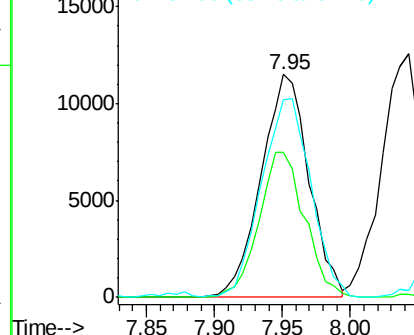
56 100

69 64.9 25.5 38.3#

84 87.9 68.6 103.0



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: 4.885 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

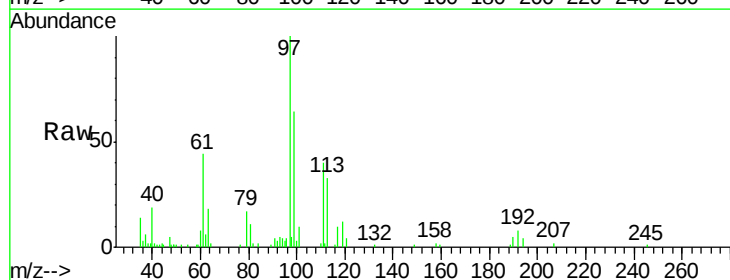
Tgt Ion: 97 Resp: 24273

Ion Ratio Lower Upper

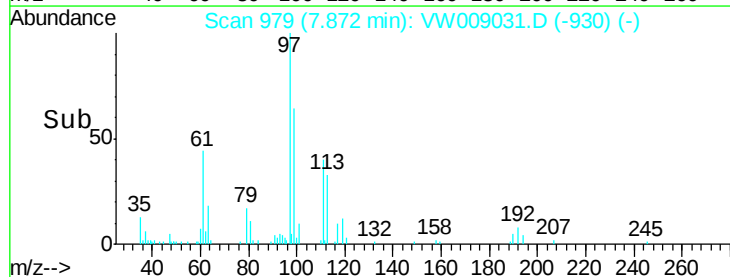
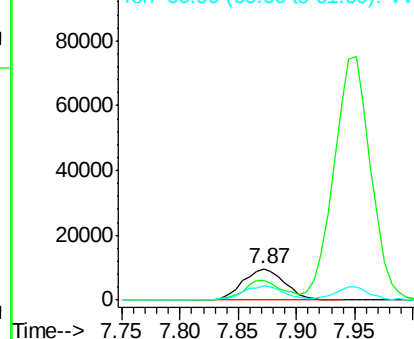
97 100

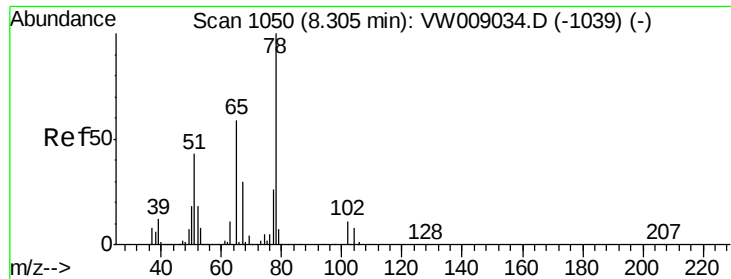
99 59.3 51.8 77.8

61 45.1 37.3 55.9



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

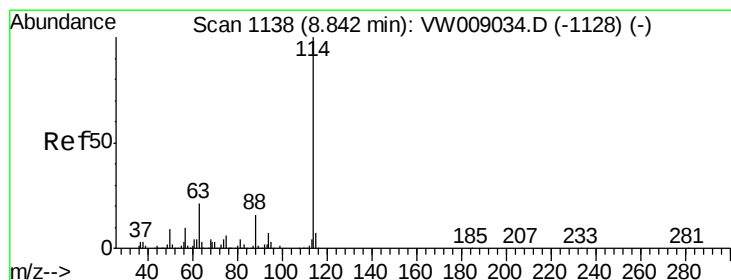
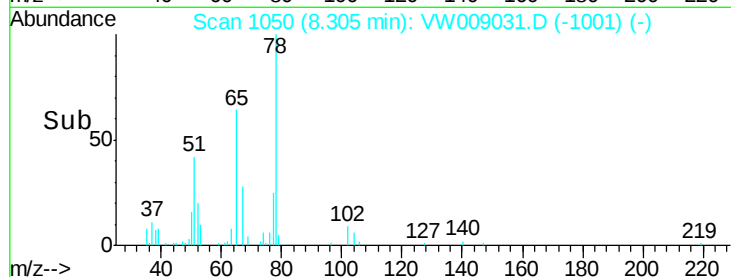
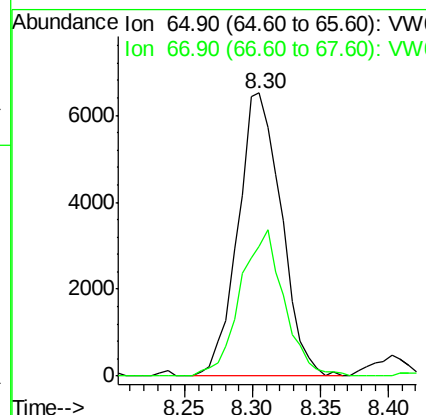
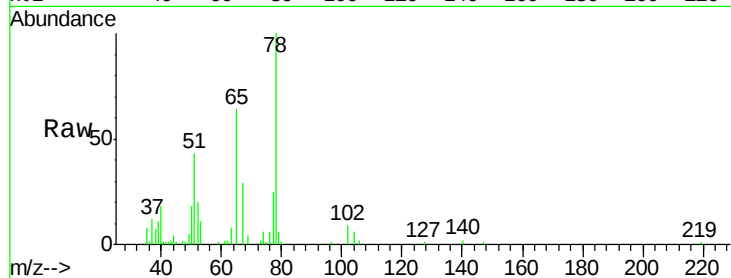




#33
 1,2-Dichloroethane-d4
 Concen: 4.877 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

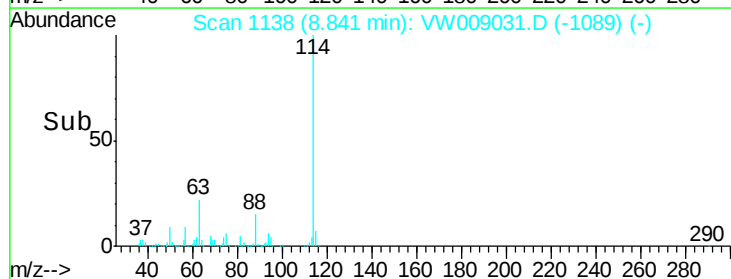
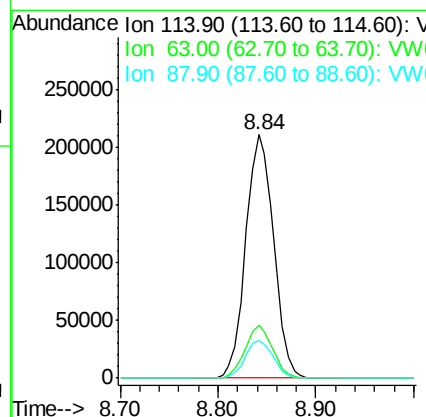
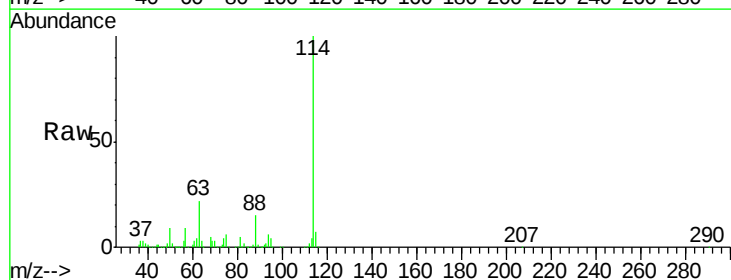
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

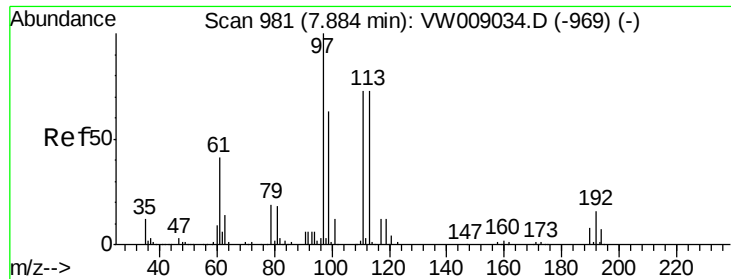
Tgt Ion: 65 Resp: 14497
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion: 114 Resp: 416775
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 41.2
 88 15.5 0.0 31.2

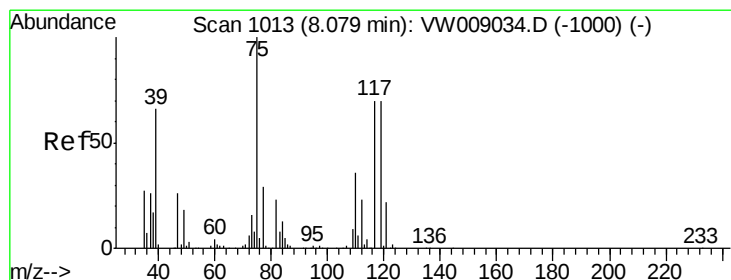
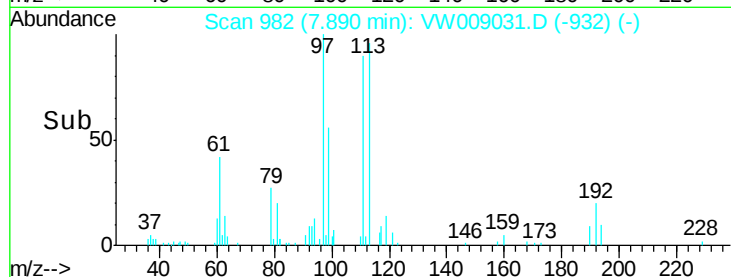
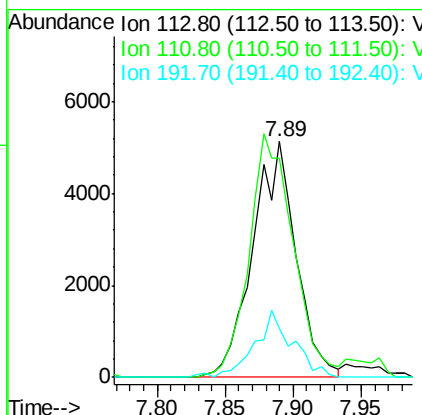
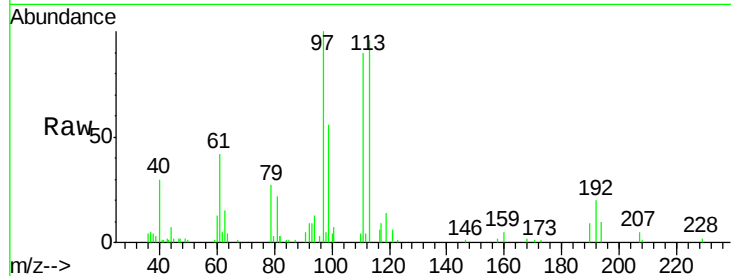




#35
 Dibromofluoromethane
 Concen: 4.538 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

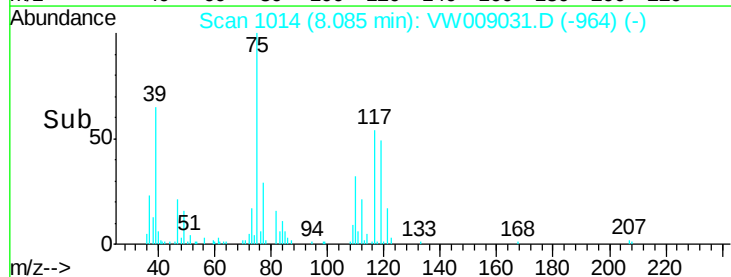
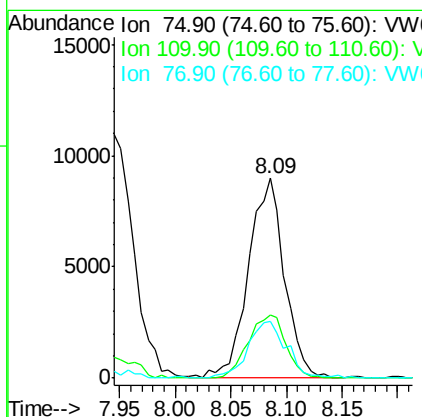
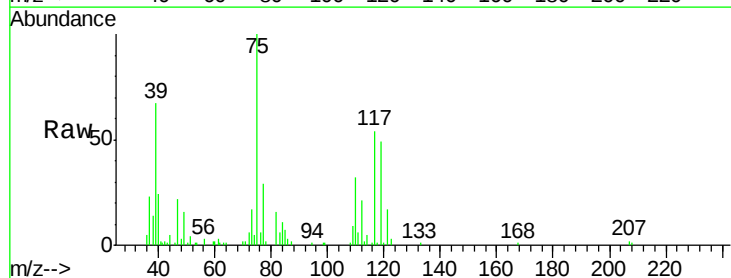
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

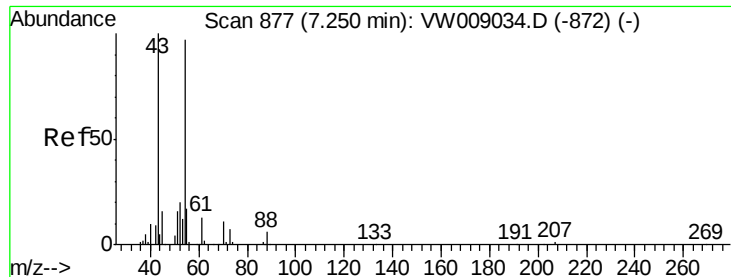
Tgt Ion: 113 Resp: 11407
 Ion Ratio Lower Upper
 113 100
 111 105.4 81.0 121.4
 192 24.9 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.719 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion: 75 Resp: 20351
 Ion Ratio Lower Upper
 75 100
 110 32.8 17.6 52.9
 77 30.4 25.1 37.7

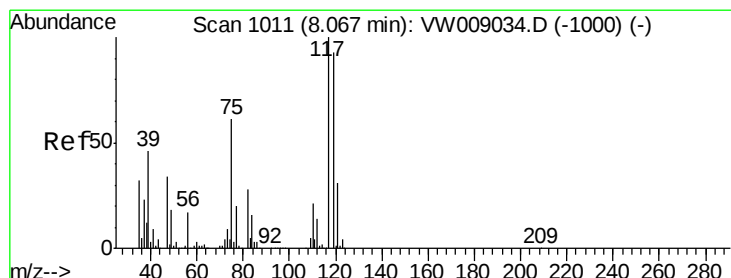
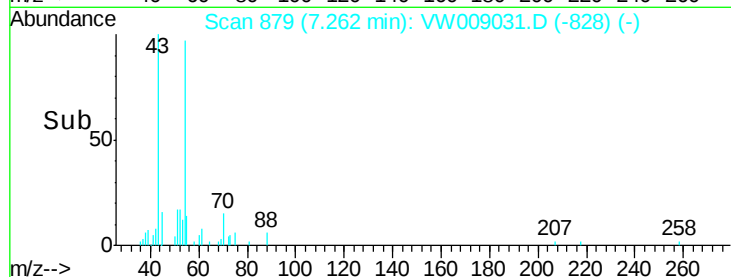
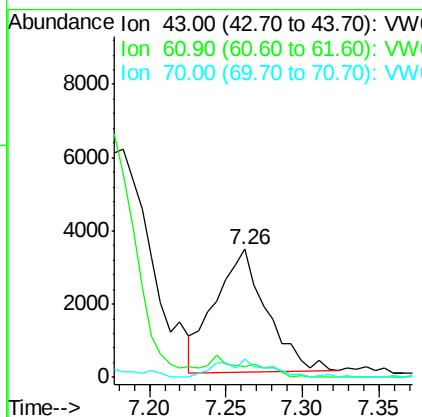
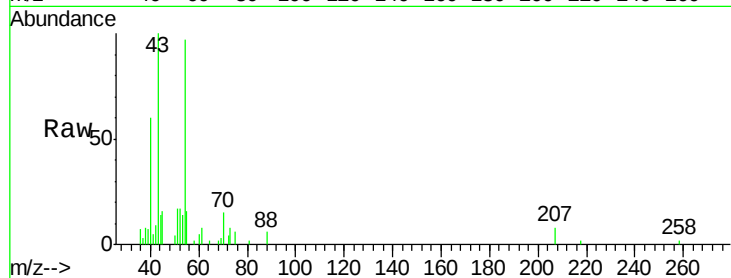




#37
Ethyl Acetate
Concen: 3.896 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

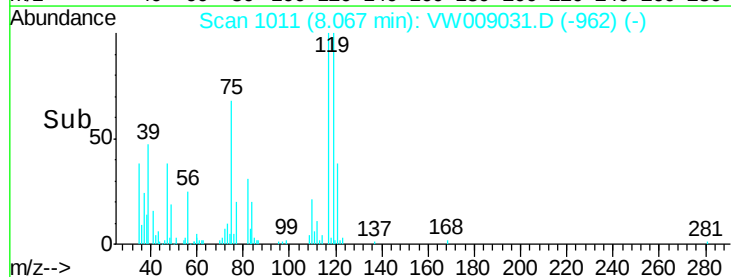
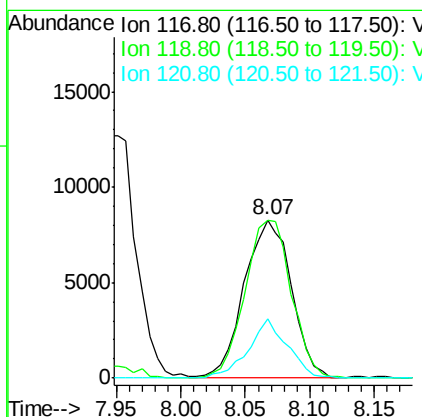
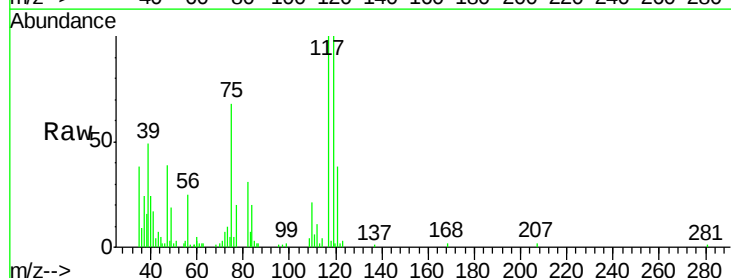
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

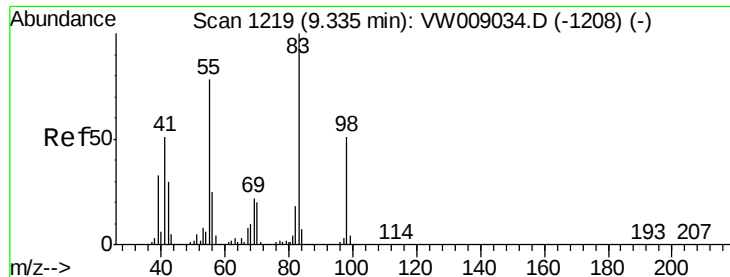
Tgt Ion: 43 Resp: 7893
Ion Ratio Lower Upper
43 100
61 14.0 9.8 14.6
70 6.1 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 4.701 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion: 117 Resp: 21008
Ion Ratio Lower Upper
117 100
119 99.5 74.6 112.0
121 37.7 24.7 37.1#

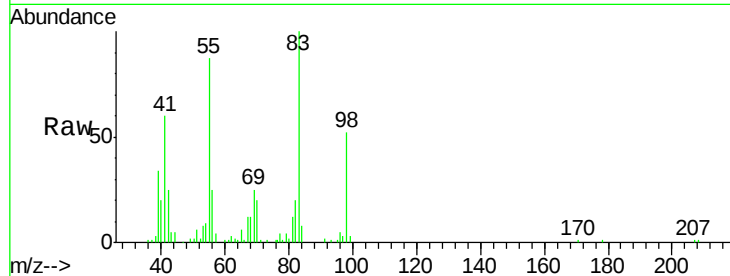




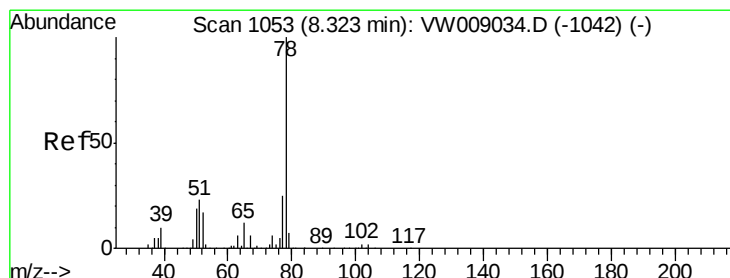
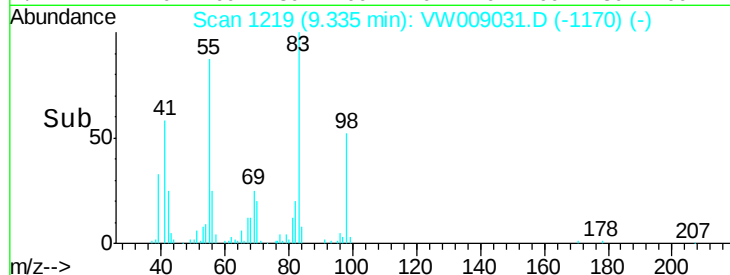
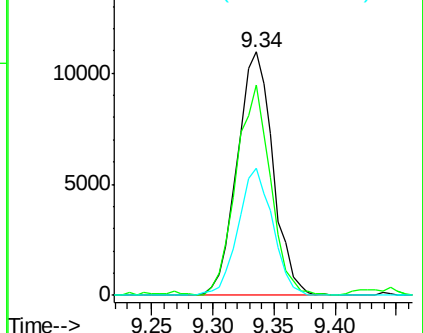
#39
Methylcyclohexane
Concen: 4.303 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 22226
Ion Ratio Lower Upper
83 100
55 86.6 62.7 94.1
98 52.2 40.8 61.2

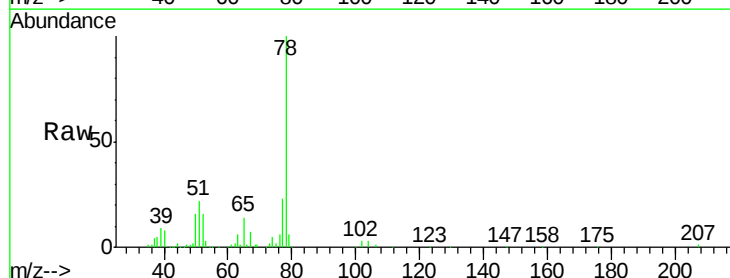


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

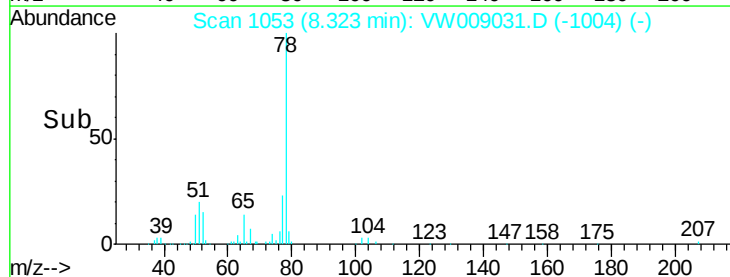
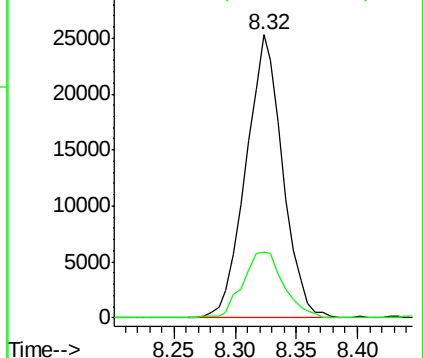


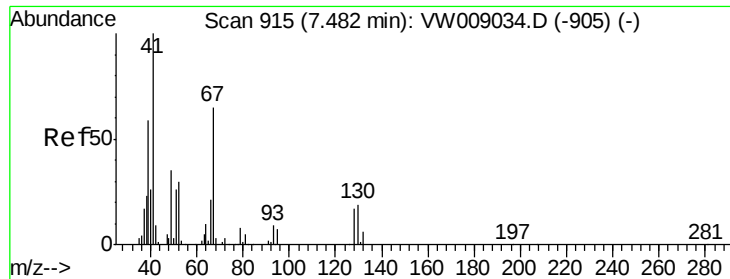
#40
Benzene
Concen: 4.606 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion: 78 Resp: 52813
Ion Ratio Lower Upper
78 100
77 23.2 20.2 30.4



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





#41

Methacrylonitrile

Concen: 5.020 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 5360

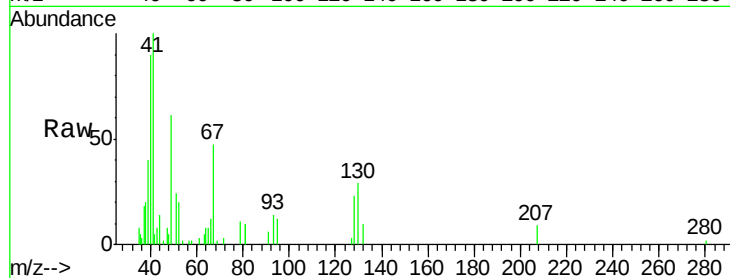
Ion Ratio Lower Upper

41 100

39 40.4 53.6 80.4#

67 62.8 57.6 86.4

52 38.2 26.0 39.0

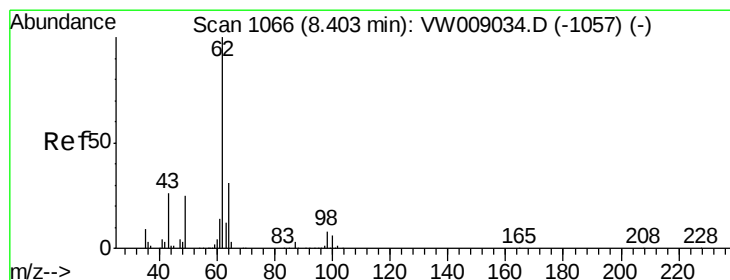
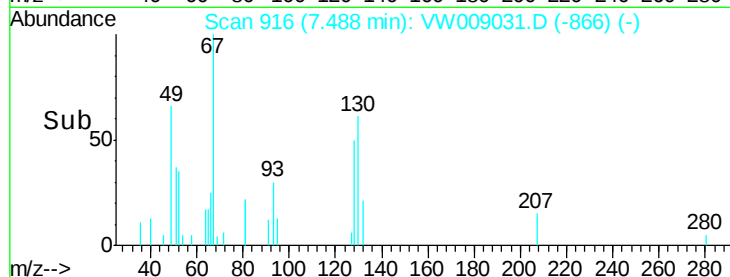
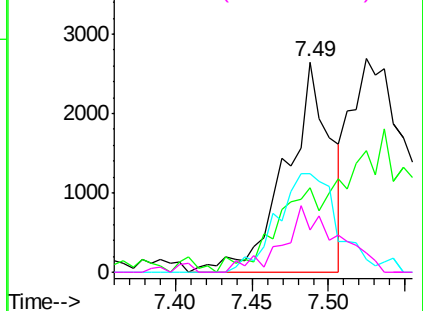


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 4.302 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW009031.D

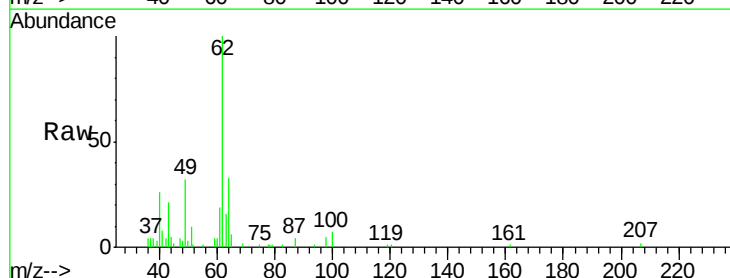
Acq: 07 Mar 2019 10:55

Tgt Ion: 62 Resp: 16073

Ion Ratio Lower Upper

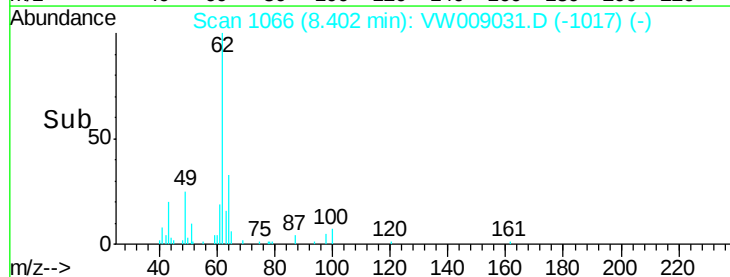
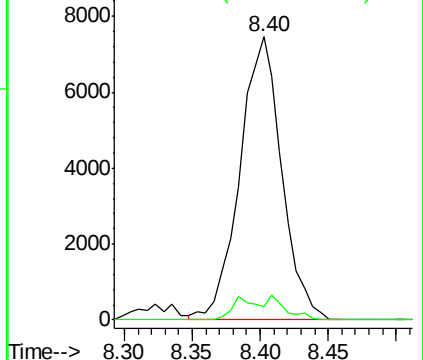
62 100

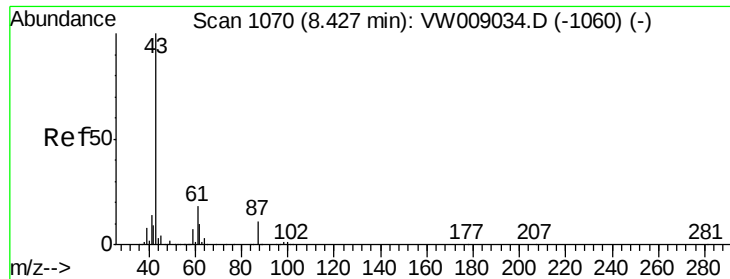
98 3.9 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.078 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

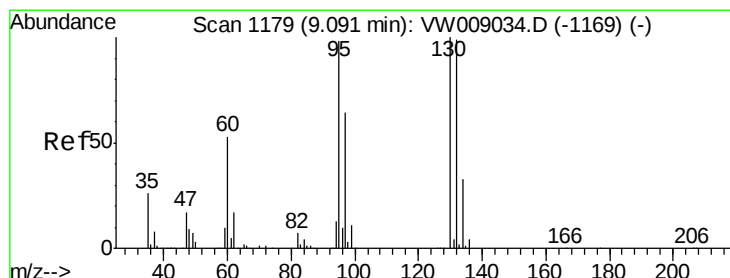
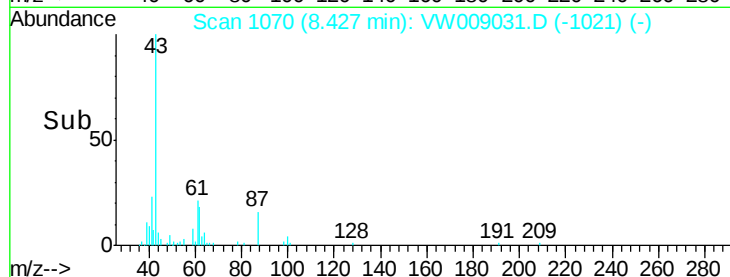
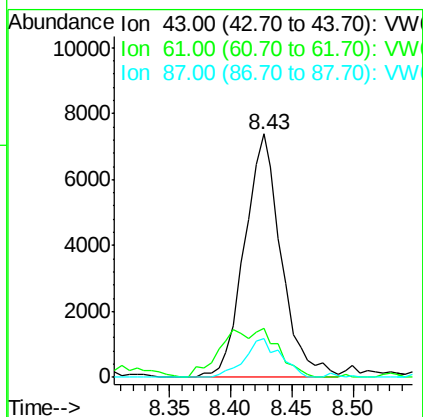
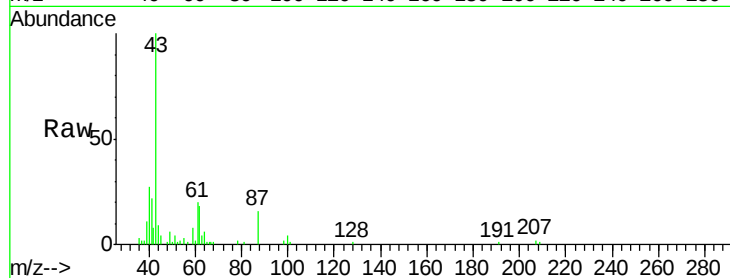
Tgt Ion: 43 Resp: 15456

Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 15.3 9.4 14.2#



#44

Trichloroethene

Concen: 4.600 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW009031.D

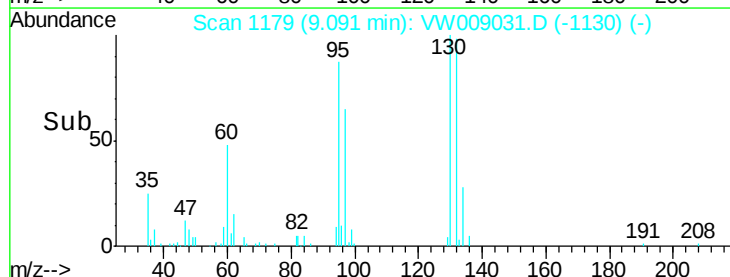
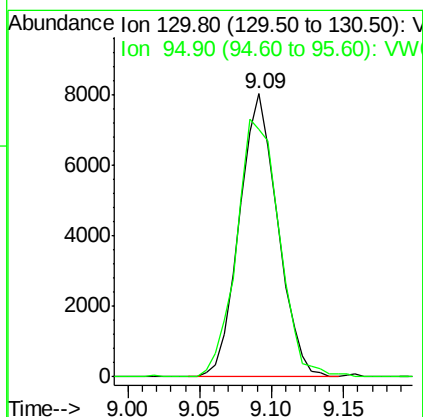
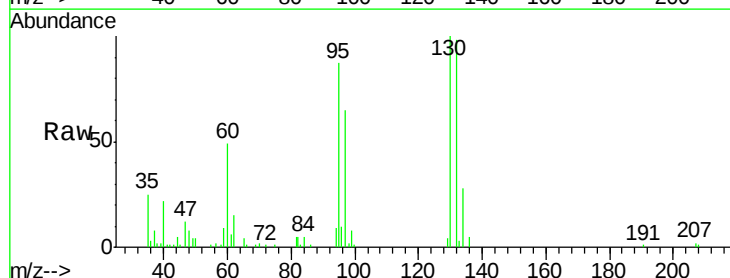
Acq: 07 Mar 2019 10:55

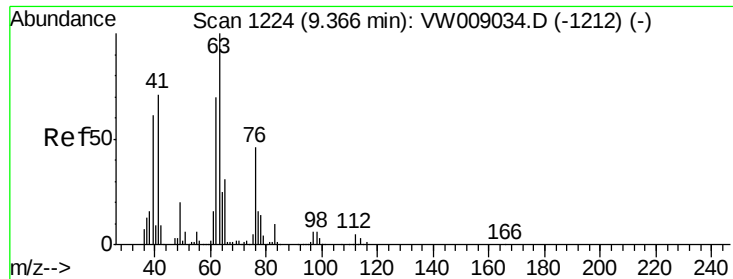
Tgt Ion: 130 Resp: 14828

Ion Ratio Lower Upper

130 100

95 87.3 0.0 197.0

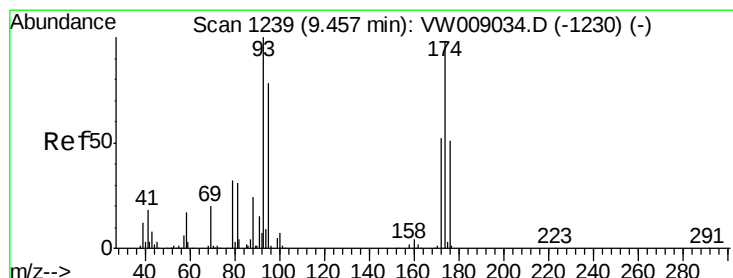
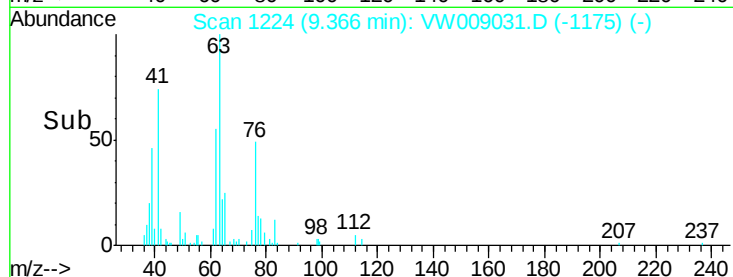
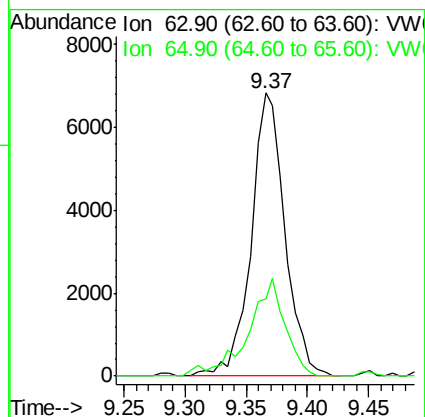
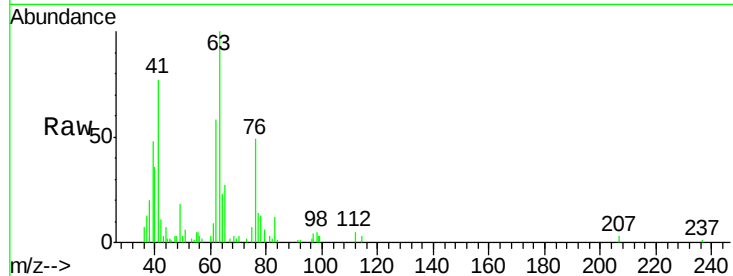




#45
 1,2-Dichloropropane
 Concen: 4.614 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

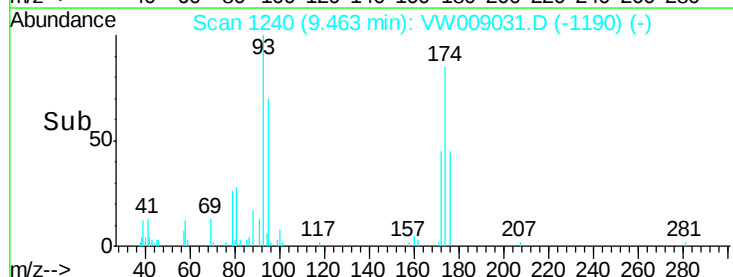
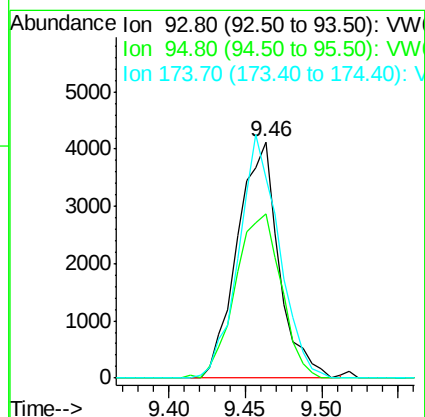
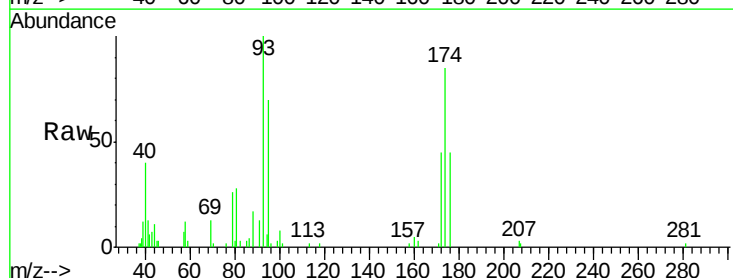
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

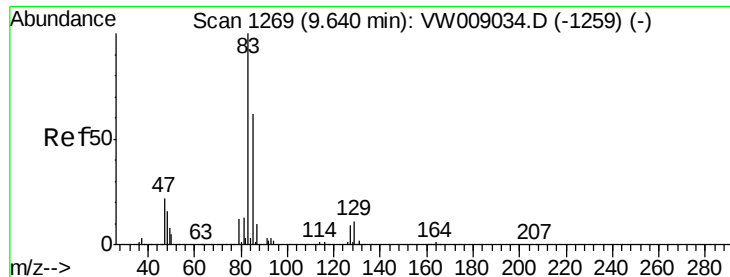
Tgt Ion: 63 Resp: 13160
 Ion Ratio Lower Upper
 63 100
 65 27.3 24.9 37.3



#46
 Dibromomethane
 Concen: 4.927 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion: 93 Resp: 7805
 Ion Ratio Lower Upper
 93 100
 95 76.2 65.0 97.6
 174 99.8 81.8 122.6





#47

Bromodichloromethane

Concen: 4.366 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

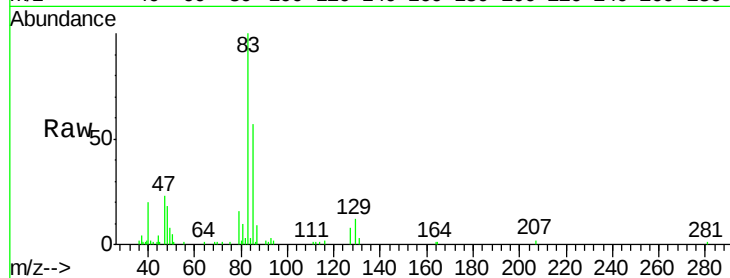
Tgt Ion: 83 Resp: 17434

Ion Ratio Lower Upper

83 100

85 57.5 49.9 74.9

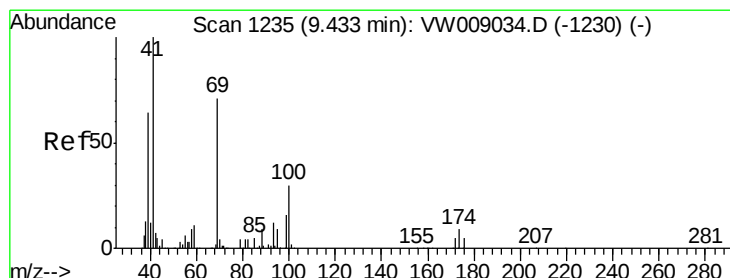
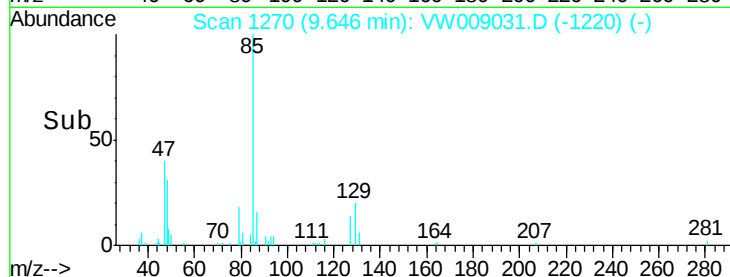
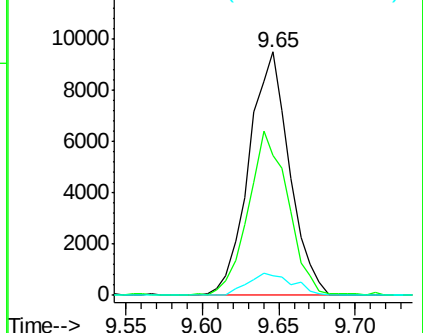
127 8.2 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 4.323 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

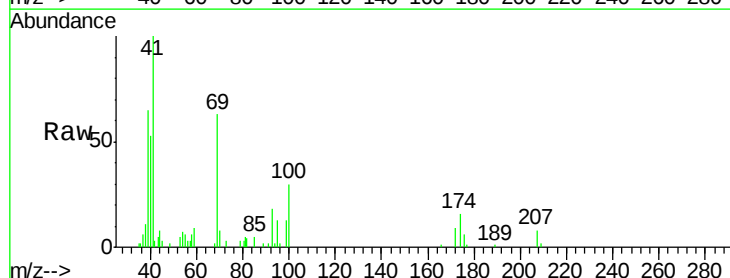
Tgt Ion: 41 Resp: 7725

Ion Ratio Lower Upper

41 100

69 72.4 59.1 88.7

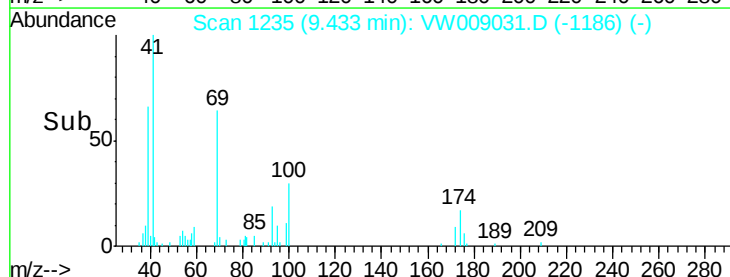
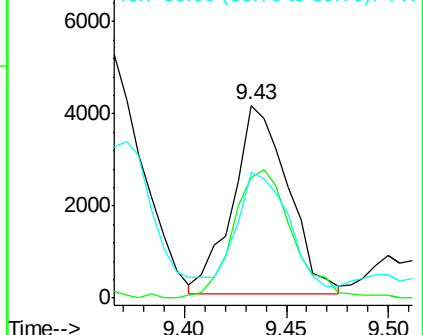
39 52.9 48.9 73.3

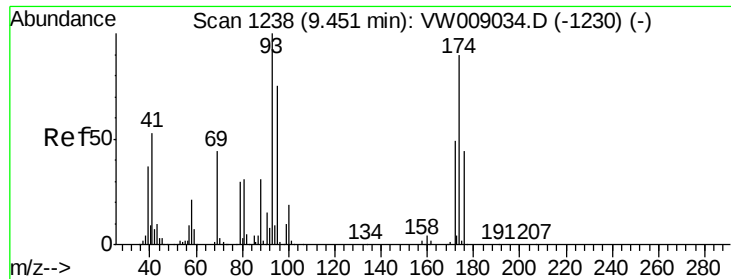


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 86.034 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

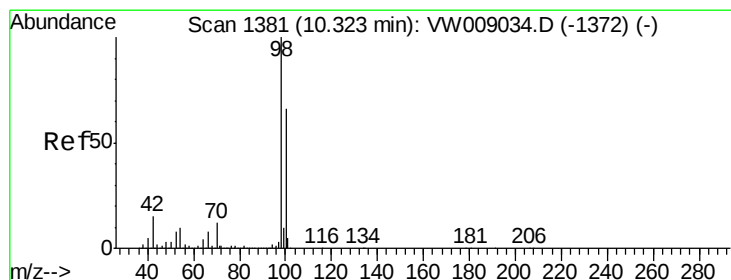
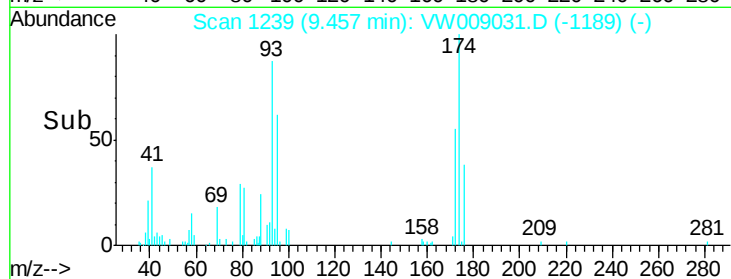
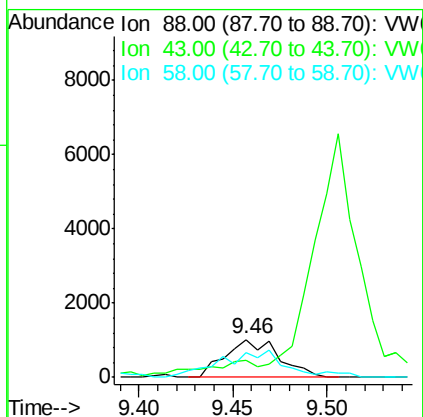
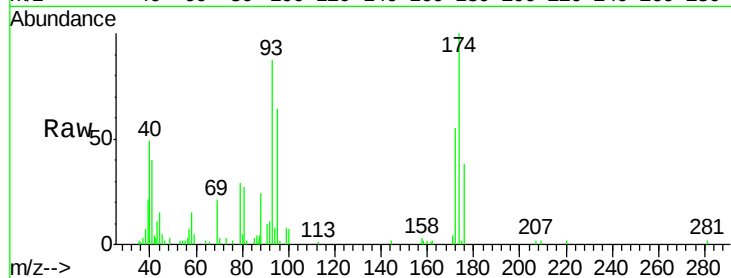
Tgt Ion: 88 Resp: 2001

Ion Ratio Lower Upper

88 100

43 47.2 29.0 43.4#

58 81.4 59.2 88.8



#50

Toluene-d8

Concen: 4.808 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009031.D

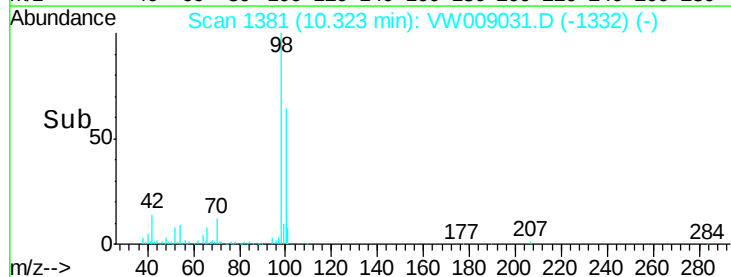
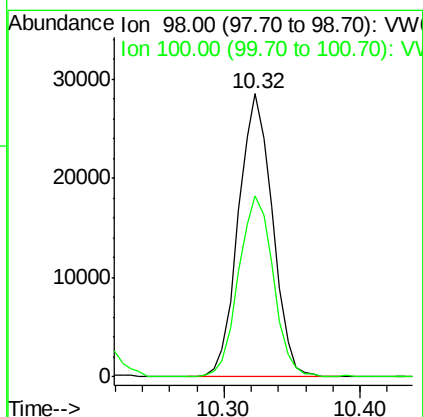
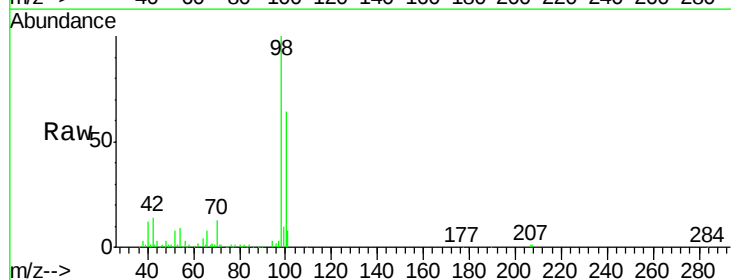
Acq: 07 Mar 2019 10:55

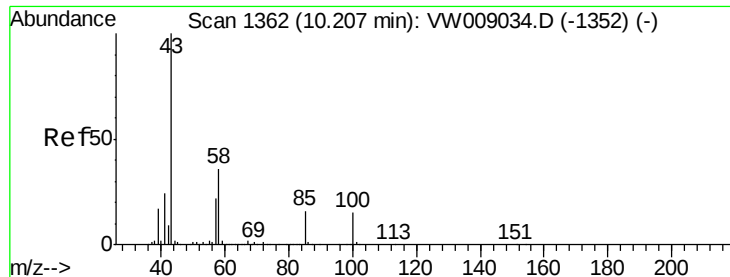
Tgt Ion: 98 Resp: 49986

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9

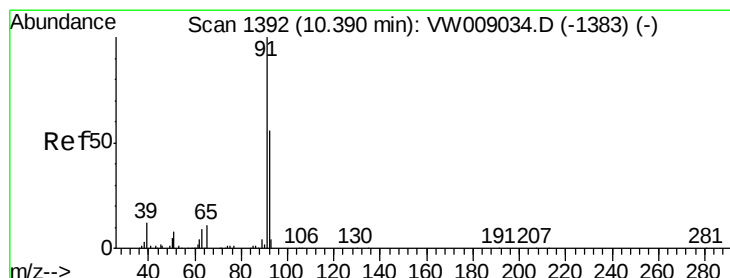
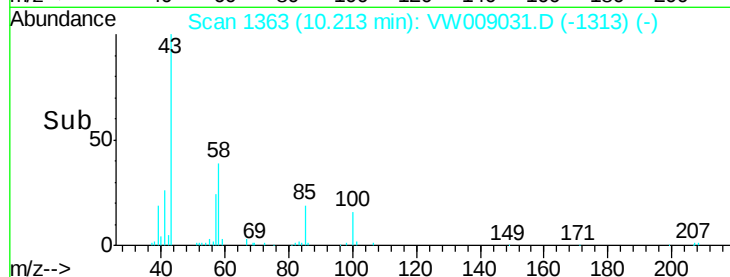
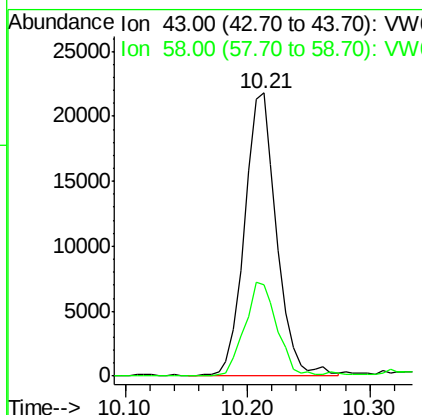
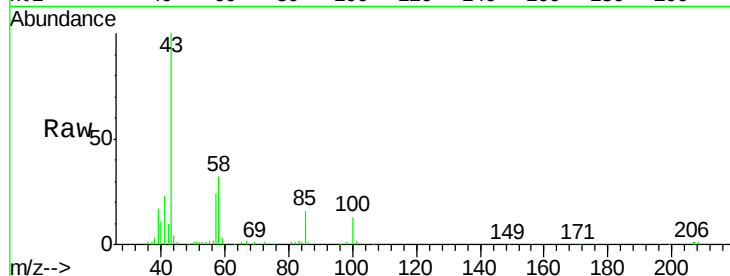




#51
 4-Methyl-2-Pentanone
 Concen: 20.334 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

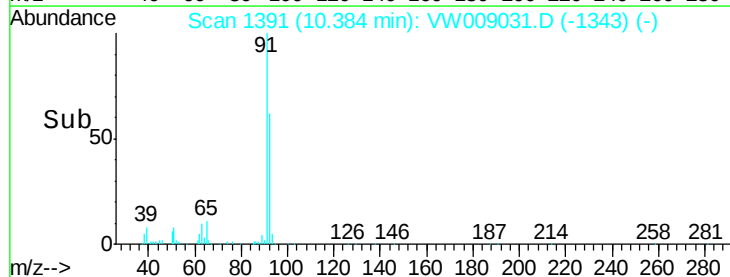
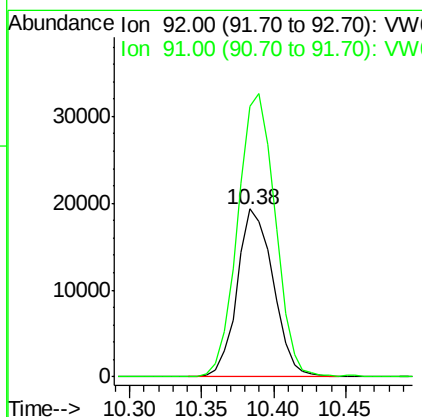
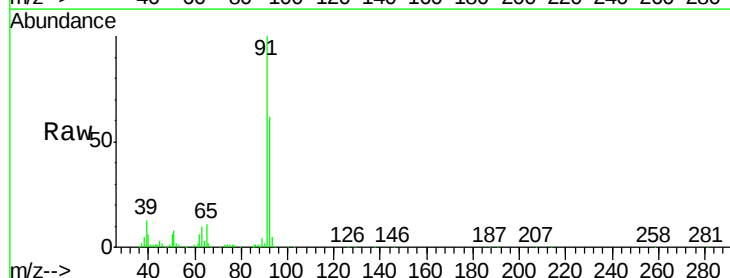
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

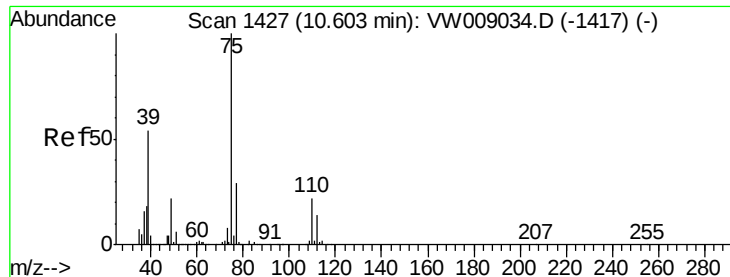
Tgt Ion: 43 Resp: 39275
 Ion Ratio Lower Upper
 43 100
 58 34.1 28.8 43.2



#52
 Toluene
 Concen: 4.300 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion: 92 Resp: 33627
 Ion Ratio Lower Upper
 92 100
 91 175.3 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 3.984 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

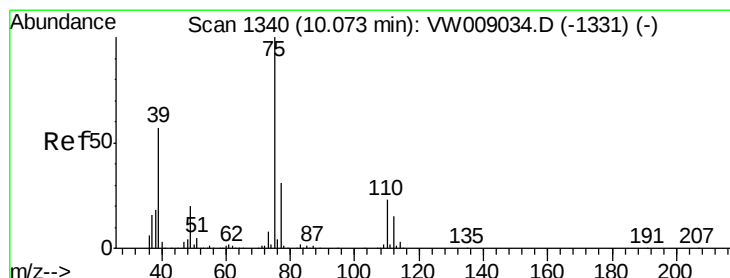
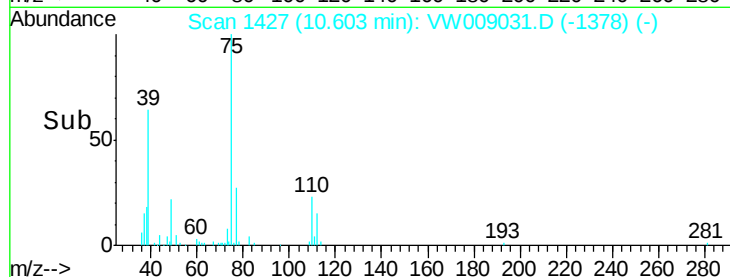
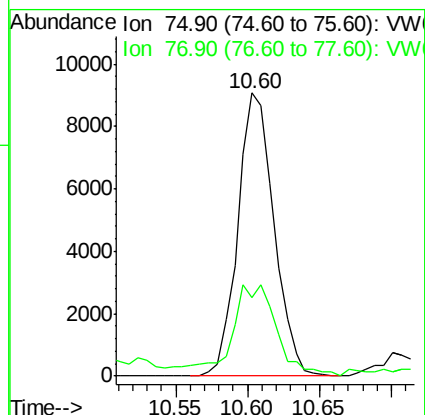
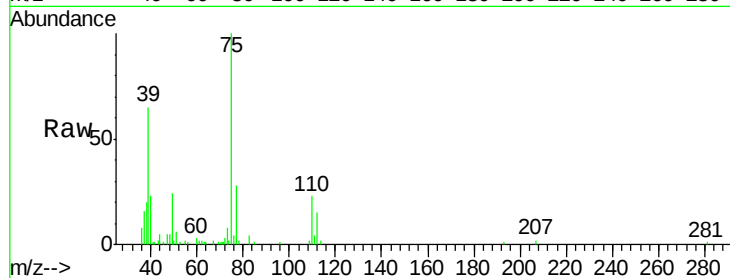
VSTDIC005

Tgt Ion: 75 Resp: 15819

Ion Ratio Lower Upper

75 100

77 27.6 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 4.264 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

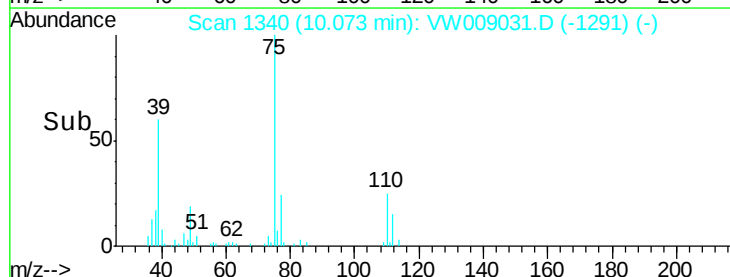
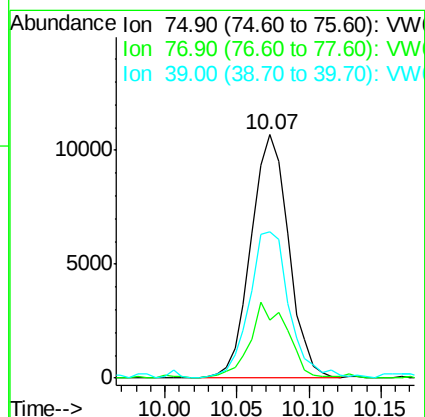
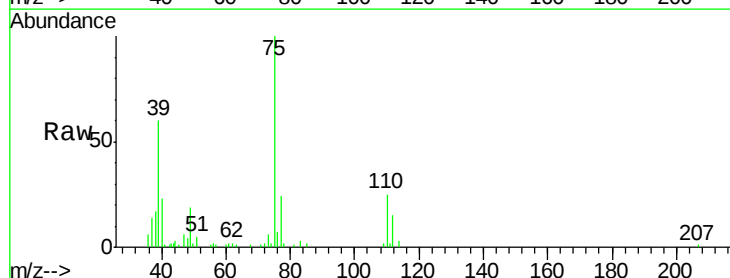
Tgt Ion: 75 Resp: 19320

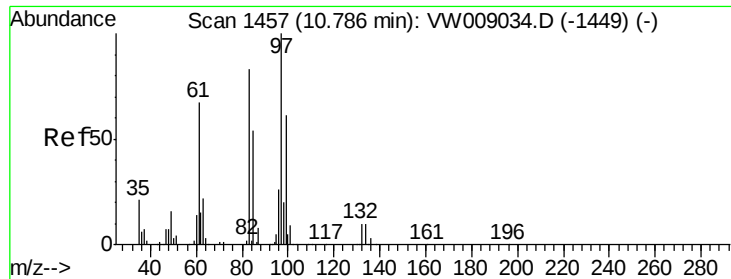
Ion Ratio Lower Upper

75 100

77 23.7 24.6 36.8#

39 60.1 45.9 68.9

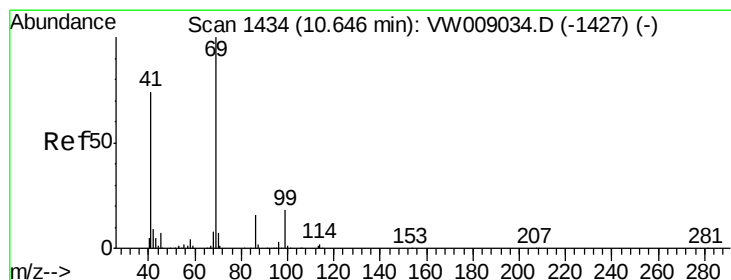
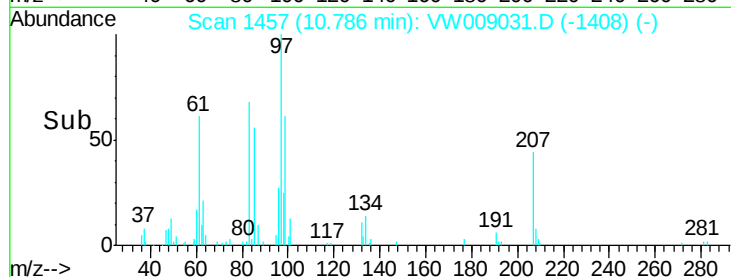
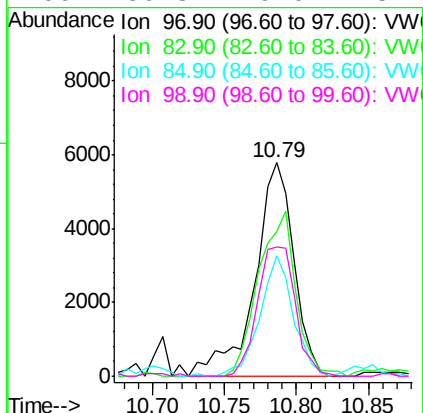
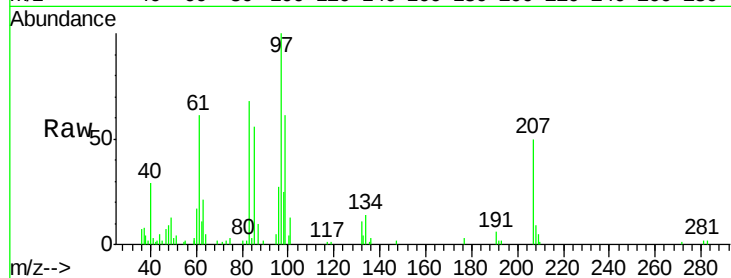




#55
 1,1,2-Trichloroethane
 Concen: 5.042 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

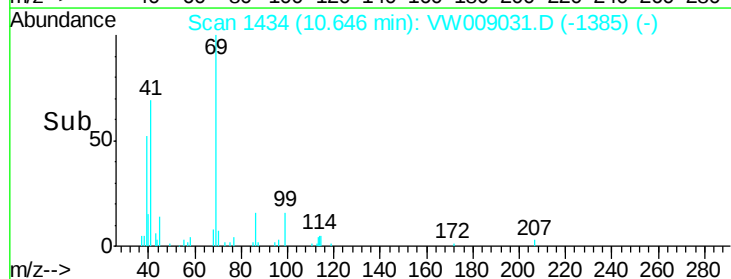
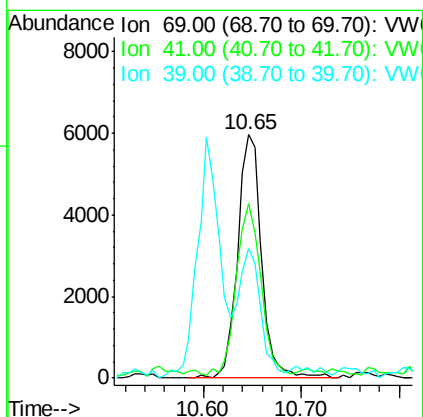
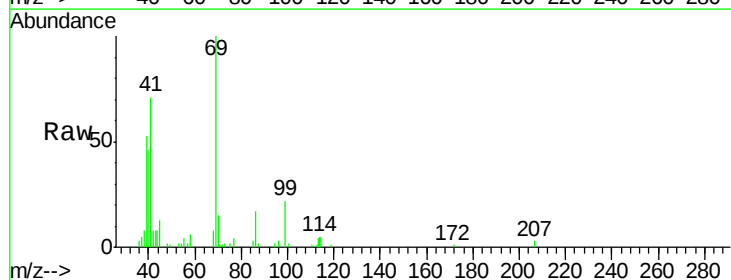
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

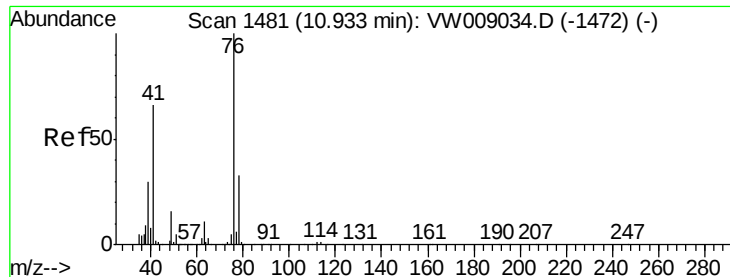
Tgt Ion:	97	Resp:	10825
Ion	Ratio	Lower	Upper
97	100		
83	67.7	66.2	99.2
85	56.5	43.6	65.4
99	60.8	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 3.754 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion:	69	Resp:	10105
Ion	Ratio	Lower	Upper
69	100		
41	71.7	59.4	89.2
39	46.4	38.5	57.7

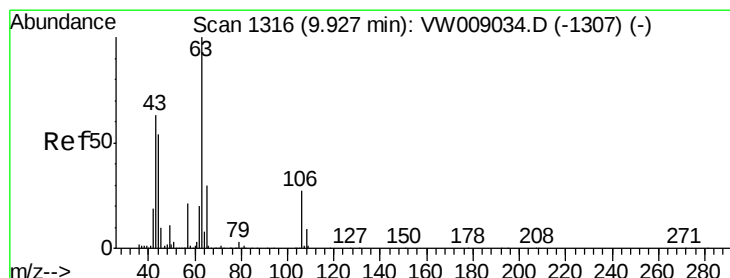
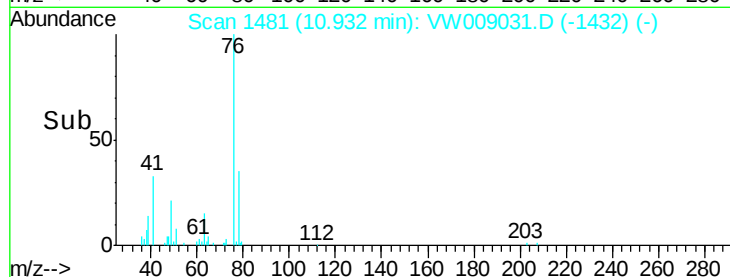
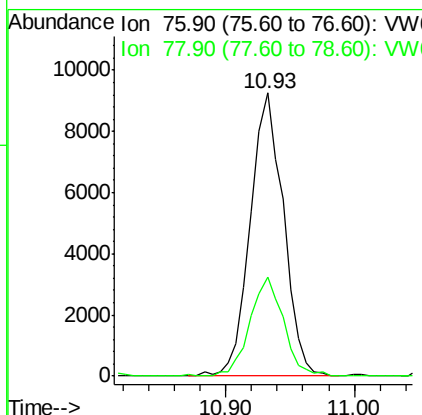
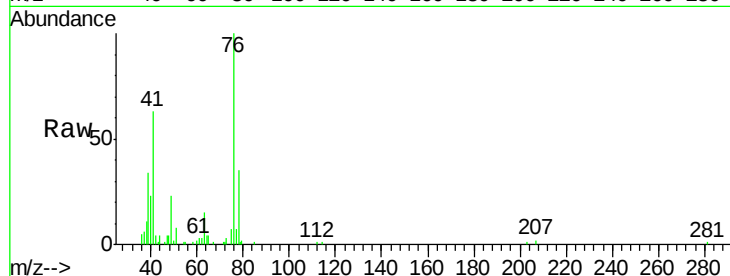




#57
 1,3-Dichloropropane
 Concen: 4.321 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

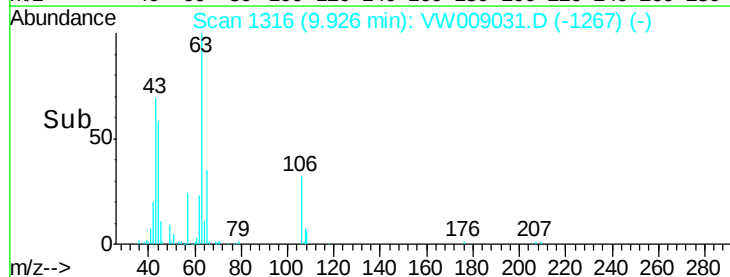
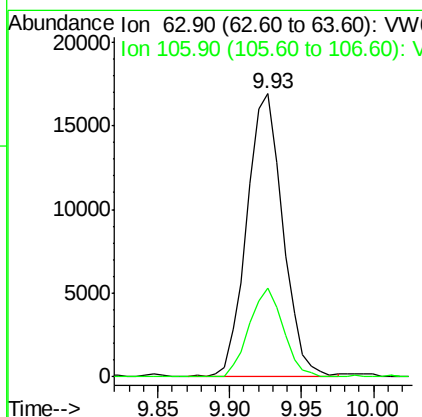
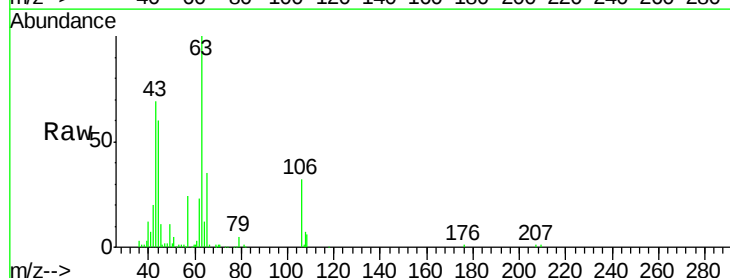
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

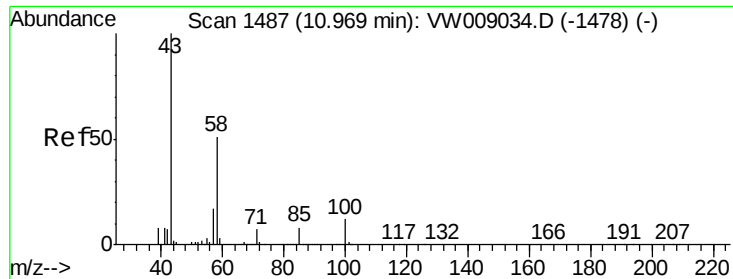
Tgt Ion: 76 Resp: 16467
 Ion Ratio Lower Upper
 76 100
 78 35.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.979 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion: 63 Resp: 29344
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.0 34.6





#59

2-Hexanone

Concen: 18.865 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

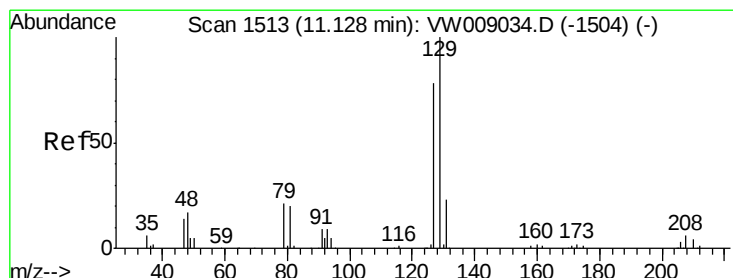
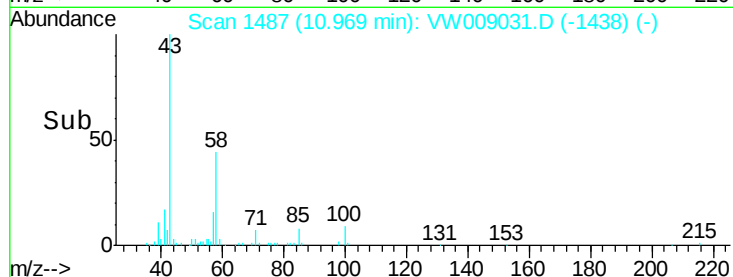
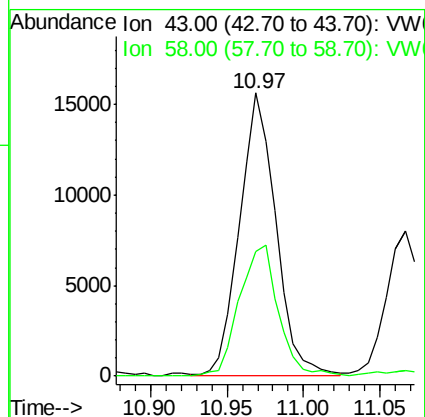
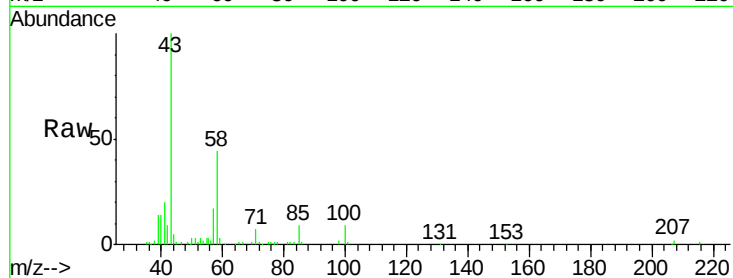
VSTDIC005

Tgt Ion: 43 Resp: 25725

Ion Ratio Lower Upper

43 100

58 49.7 25.3 75.9



#60

Dibromochloromethane

Concen: 4.200 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009031.D

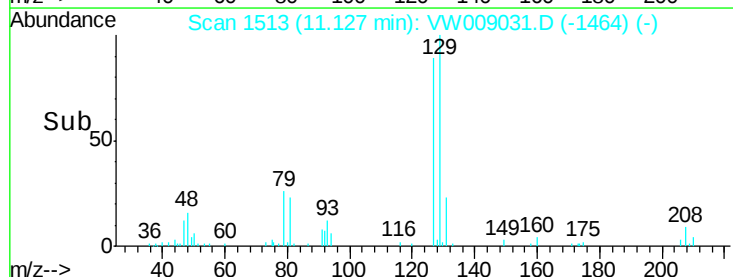
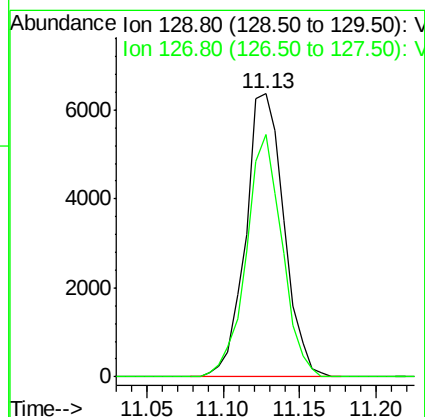
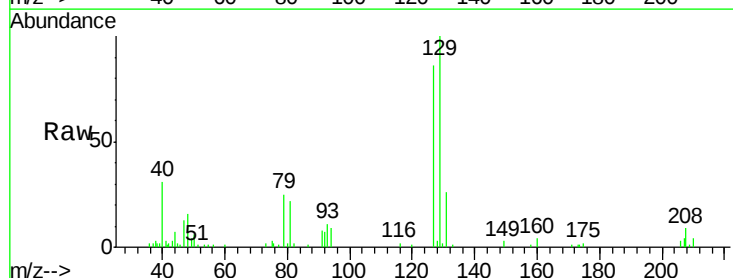
Acq: 07 Mar 2019 10:55

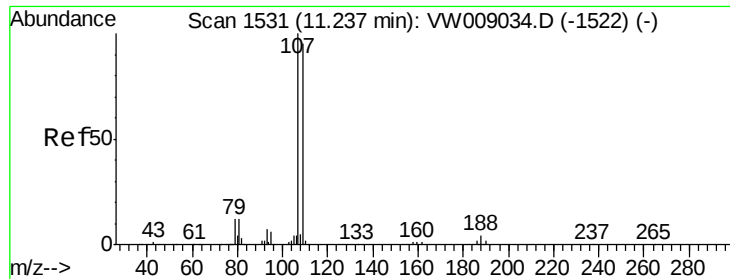
Tgt Ion: 129 Resp: 11079

Ion Ratio Lower Upper

129 100

127 79.8 38.4 115.1

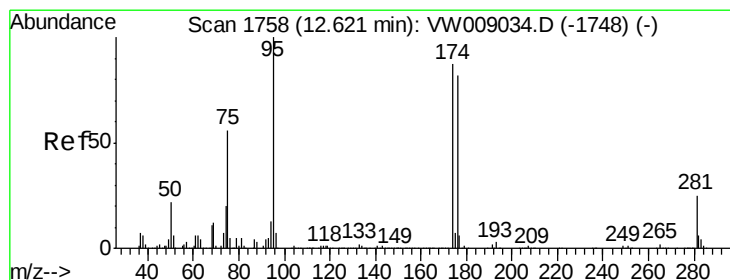
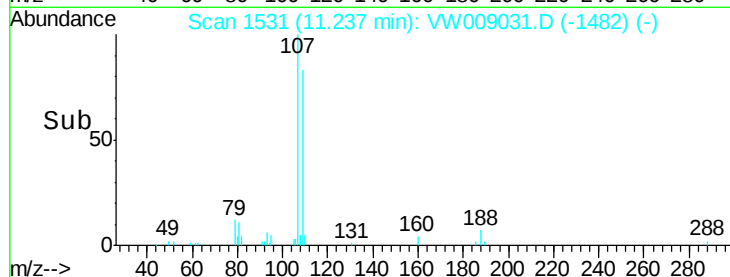
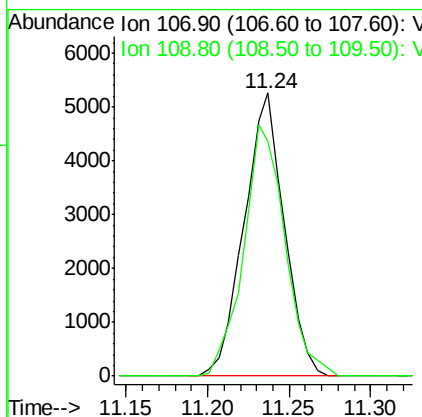
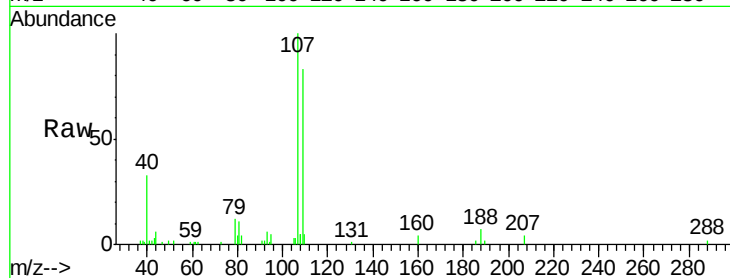




#61
 1,2-Dibromoethane
 Concen: 4.316 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

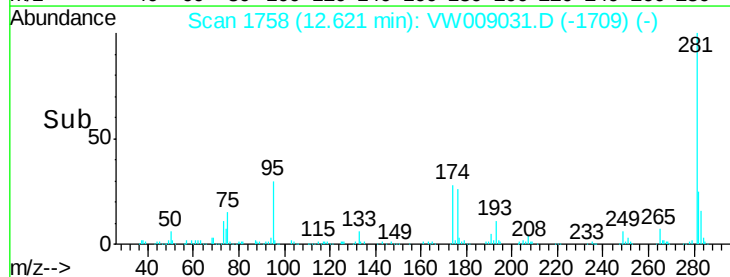
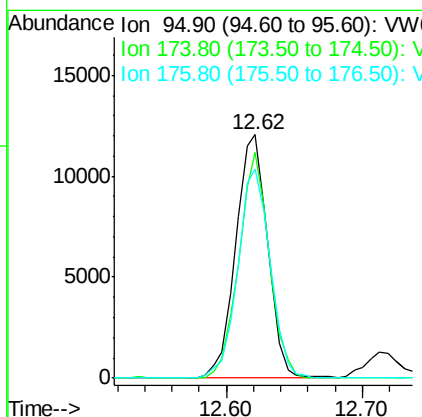
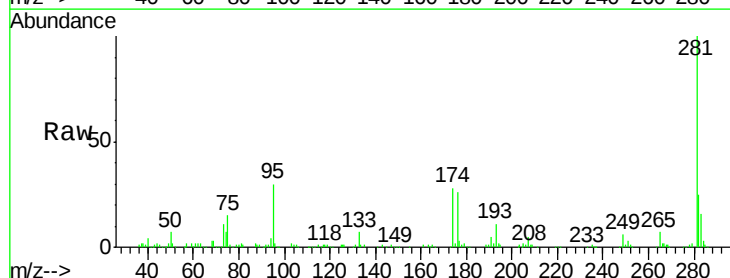
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

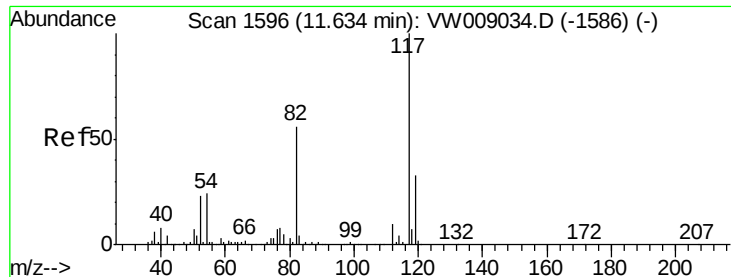
Tgt Ion: 107 Resp: 9005
 Ion Ratio Lower Upper
 107 100
 109 91.8 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 4.826 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion: 95 Resp: 19723
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 167.0
 176 86.7 0.0 159.4

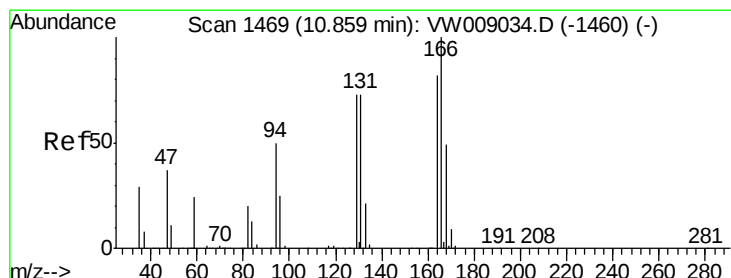
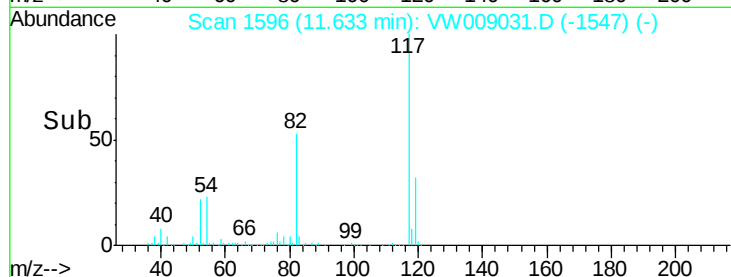
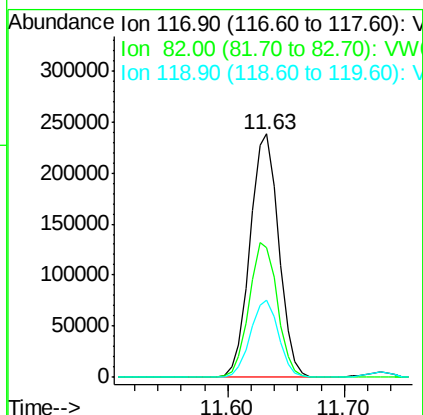
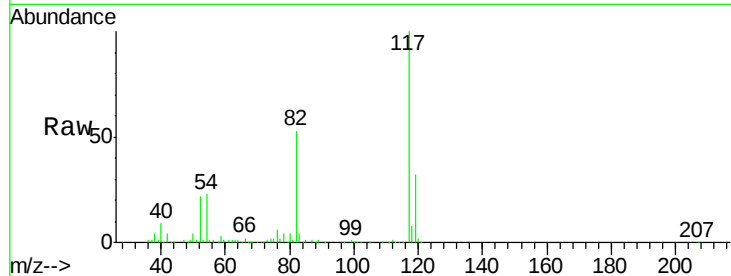




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

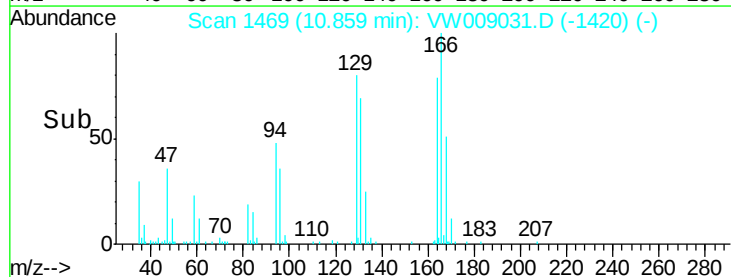
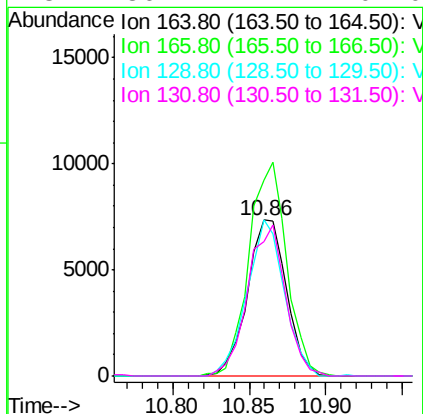
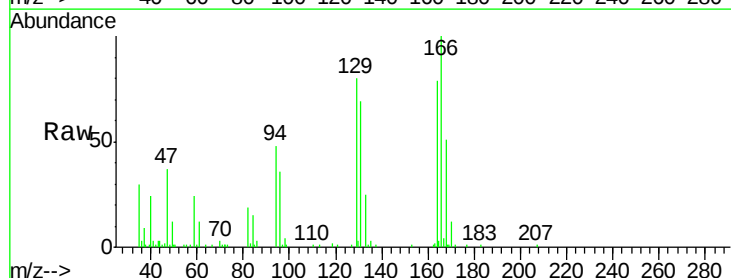
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

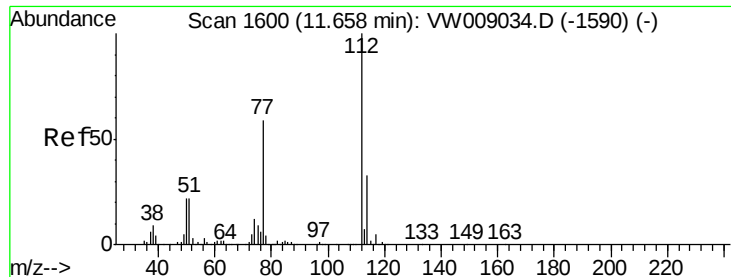
Tgt Ion:117 Resp: 410264
Ion Ratio Lower Upper
117 100
82 53.4 45.0 67.6
119 31.8 26.6 39.8



#64
Tetrachloroethene
Concen: 4.389 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion:164 Resp: 13072
Ion Ratio Lower Upper
164 100
166 126.0 97.8 146.6
129 100.3 71.6 107.4
131 86.4 71.4 107.0





#65

Chlorobenzene

Concen: 4.478 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

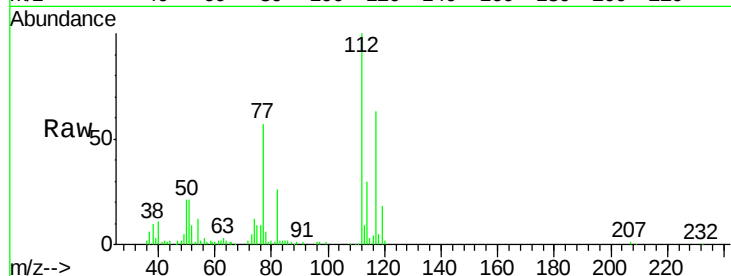
VSTDIC005

Tgt Ion:112 Resp: 39581

Ion Ratio Lower Upper

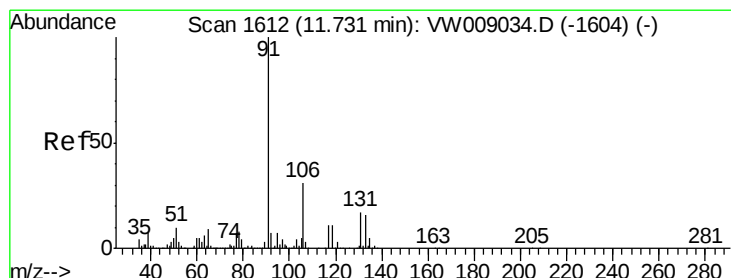
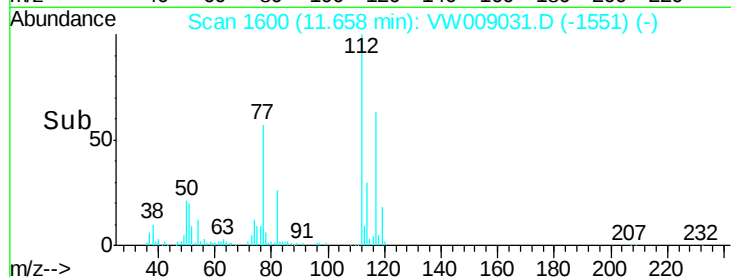
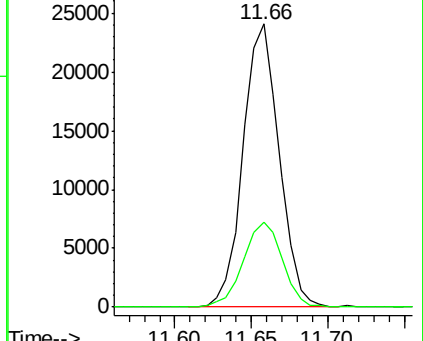
112 100

114 29.9 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.228 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

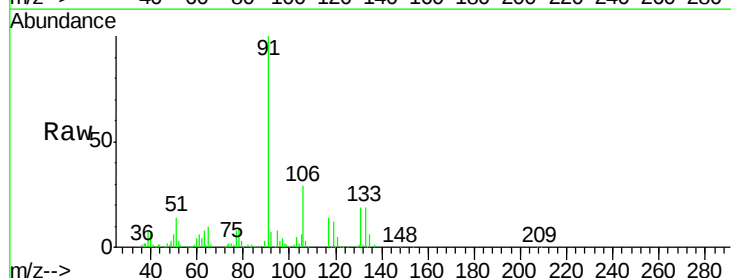
Tgt Ion:131 Resp: 12458

Ion Ratio Lower Upper

131 100

133 99.8 47.6 142.8

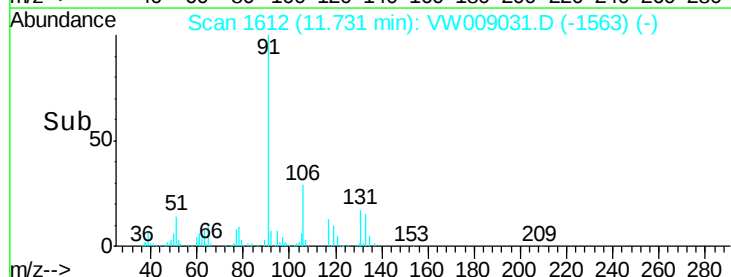
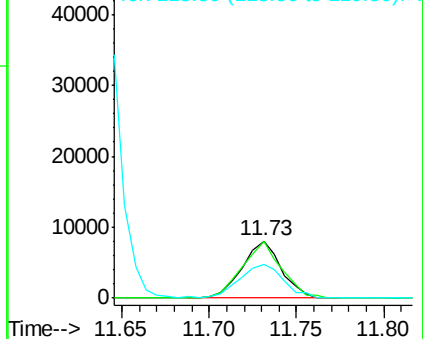
119 67.3 31.3 93.8

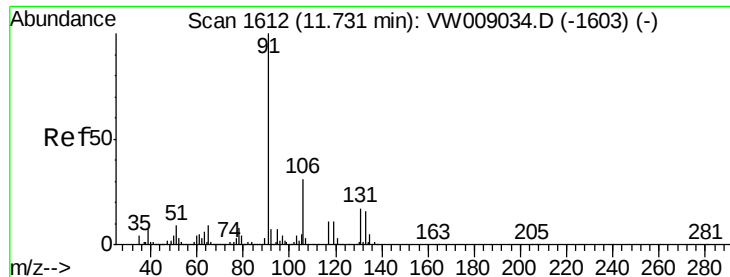


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 4.272 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

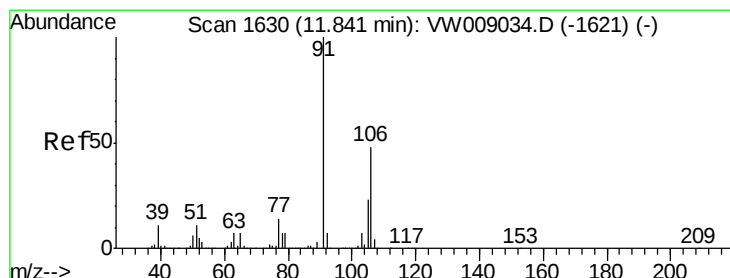
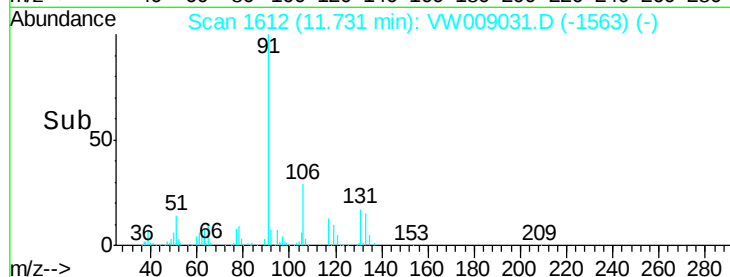
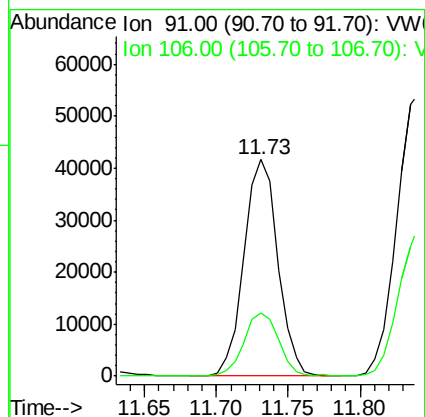
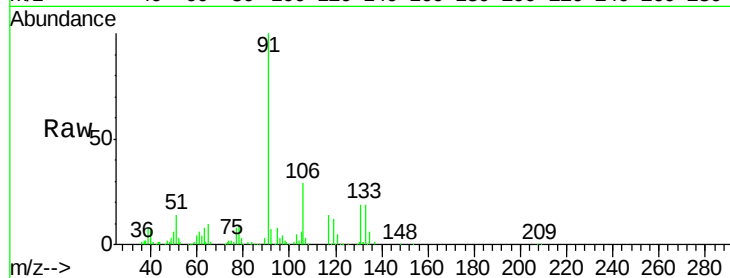
VSTDIC005

Tgt Ion: 91 Resp: 67844

Ion Ratio Lower Upper

91 100

106 29.2 25.0 37.4



#68

m/p-Xylenes

Concen: 8.360 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009031.D

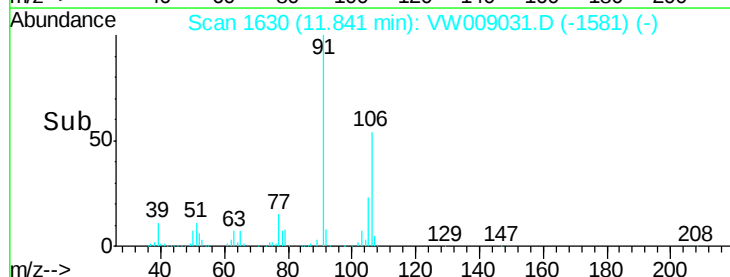
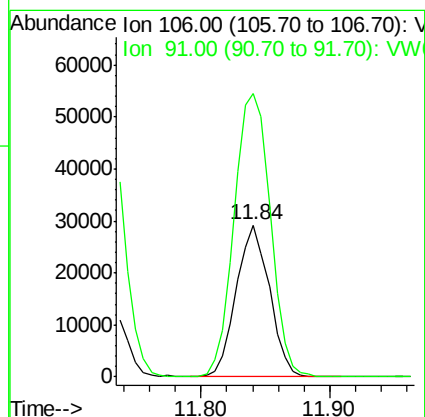
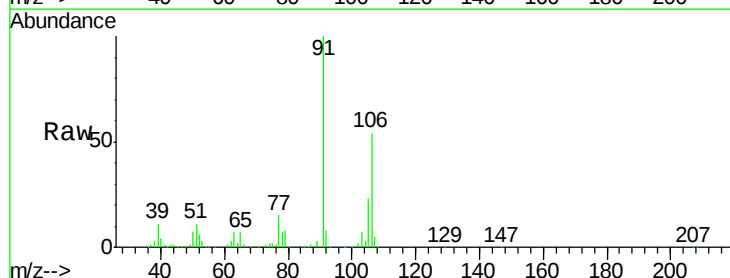
Acq: 07 Mar 2019 10:55

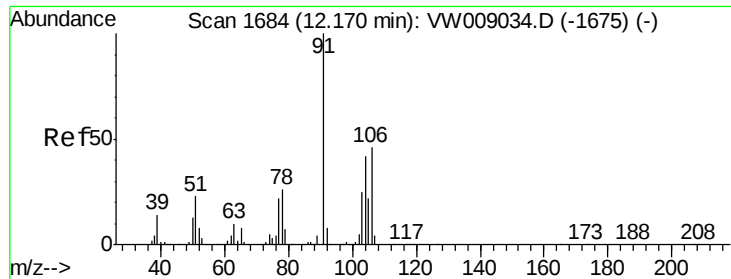
Tgt Ion: 106 Resp: 52470

Ion Ratio Lower Upper

106 100

91 202.3 163.2 244.8

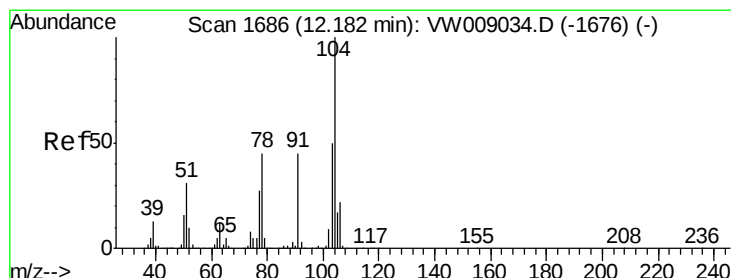
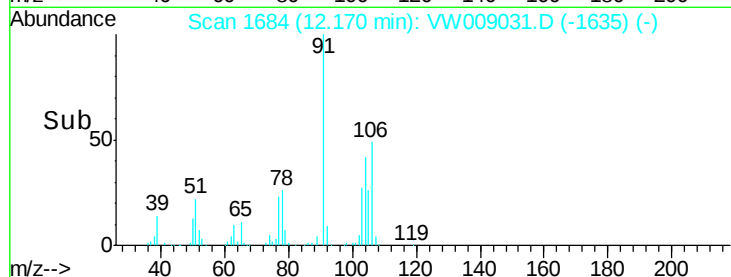
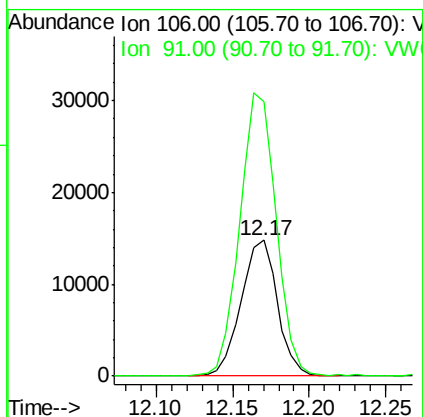
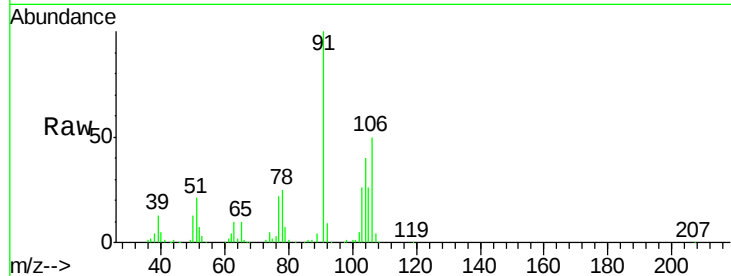




#69
o-Xylene
Concen: 4.174 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

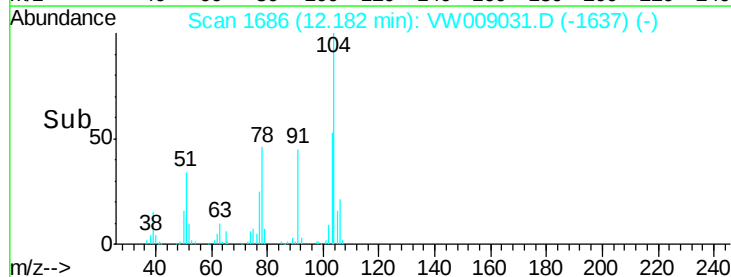
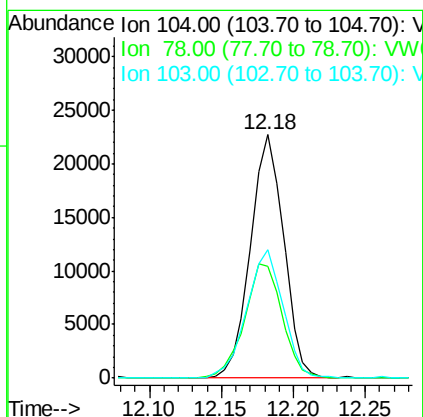
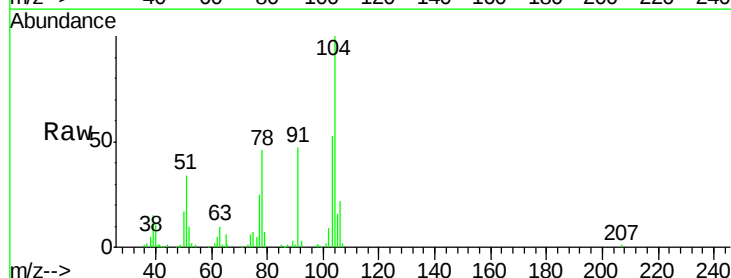
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

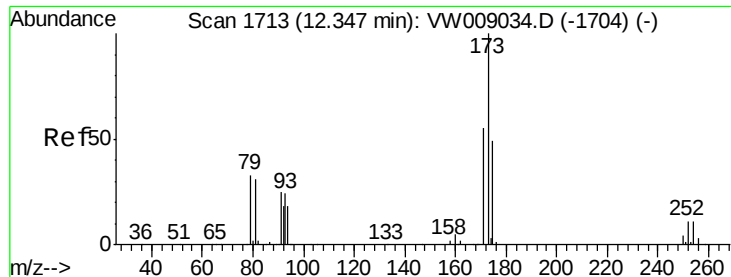
Tgt Ion:106 Resp: 24424
Ion Ratio Lower Upper
106 100
91 208.4 108.6 325.6



#70
Styrene
Concen: 3.818 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009031.D
Acq: 07 Mar 2019 10:55

Tgt Ion:104 Resp: 36364
Ion Ratio Lower Upper
104 100
78 52.9 42.1 63.1
103 57.8 43.9 65.9





#71

Bromoform

Concen: 3.987 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

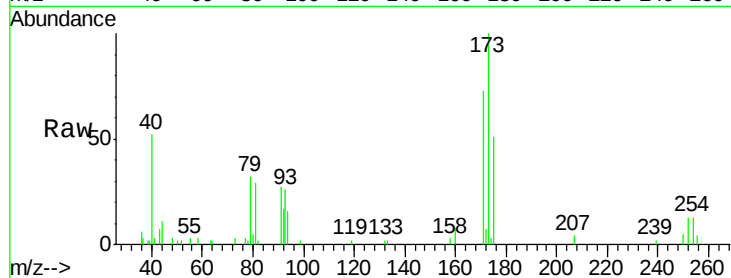
Tgt Ion:173 Resp: 6370

Ion Ratio Lower Upper

173 100

175 52.2 24.6 74.0

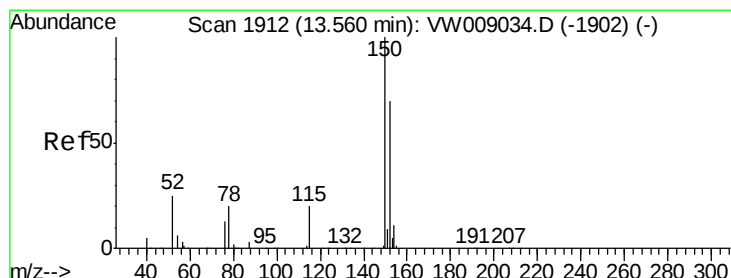
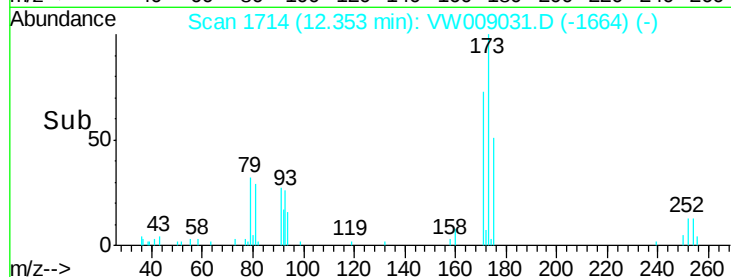
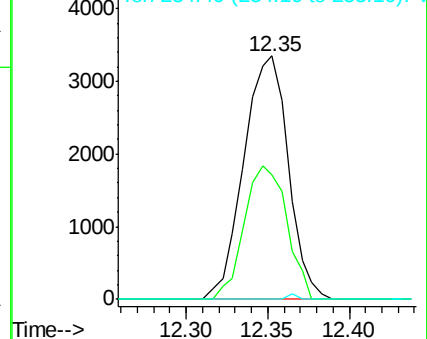
254 0.4 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

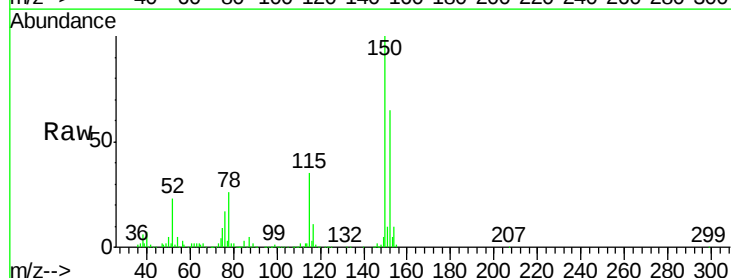
Tgt Ion:152 Resp: 216684

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

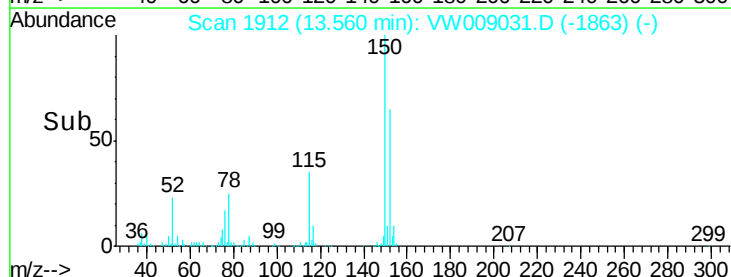
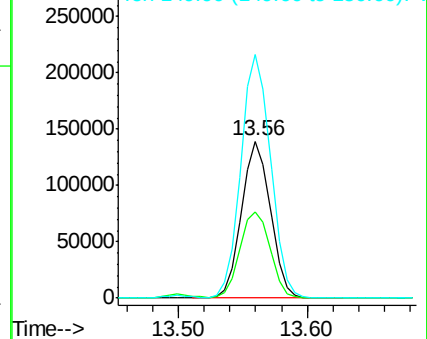
150 159.4 0.0 349.2

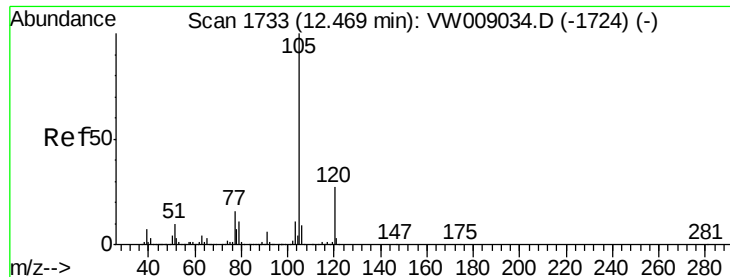


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.180 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

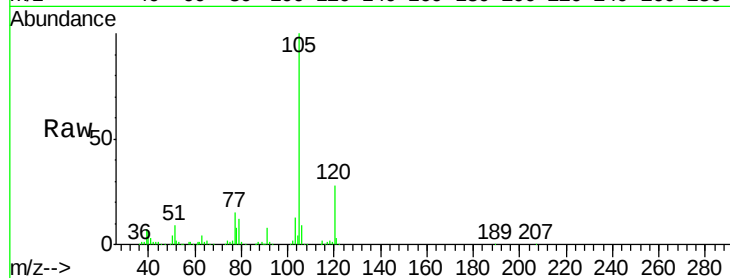
VSTDIC005

Tgt Ion: 105 Resp: 64367

Ion Ratio Lower Upper

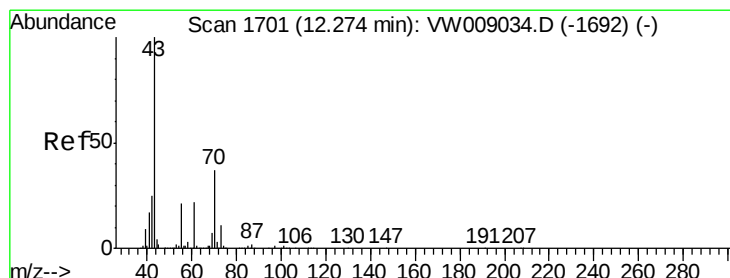
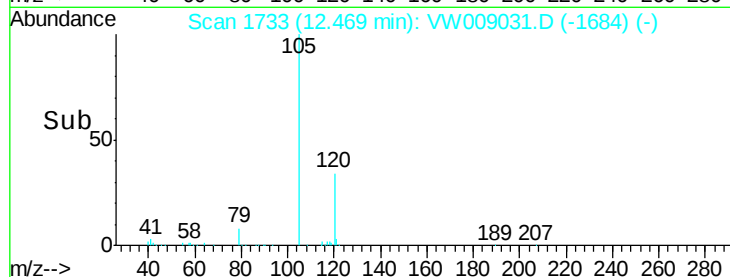
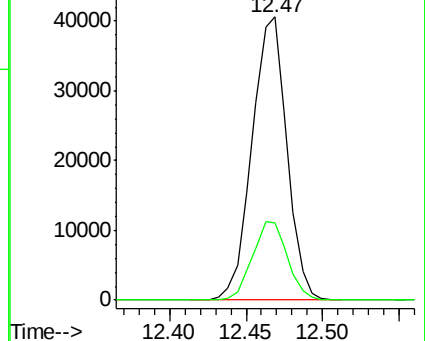
105 100

120 27.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.099 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Tgt Ion: 43 Resp: 15086

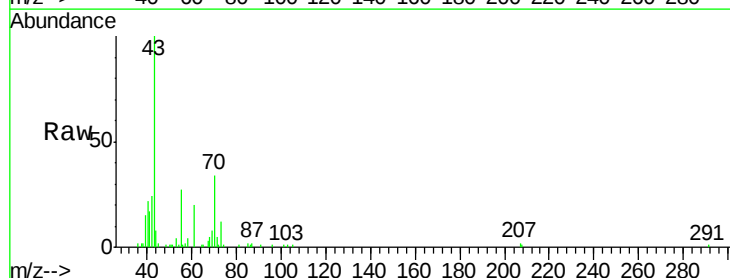
Ion Ratio Lower Upper

43 100

70 36.5 30.8 46.2

55 27.2 17.8 26.8#

61 20.8 17.4 26.2

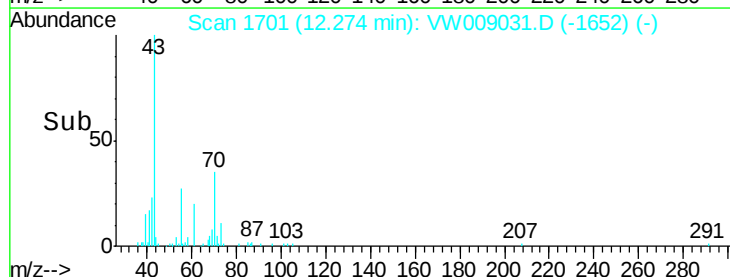
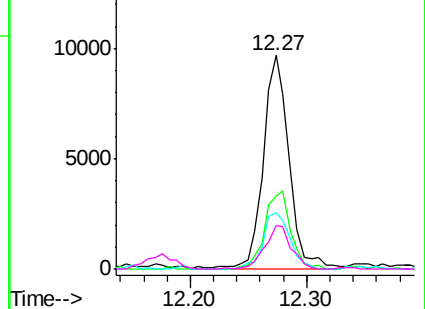


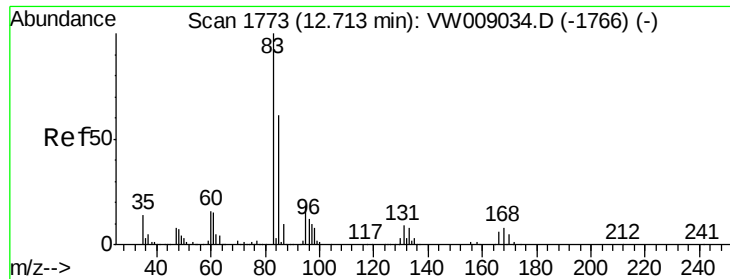
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 4.518 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

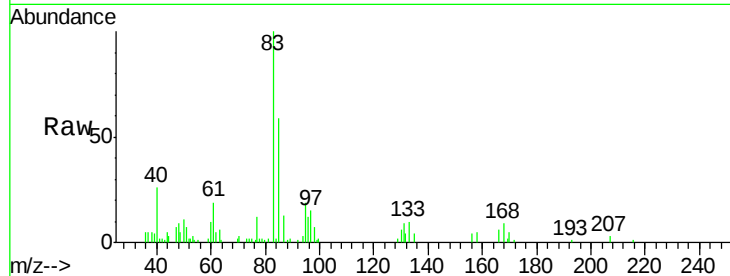
Tgt Ion: 83 Resp: 11065

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

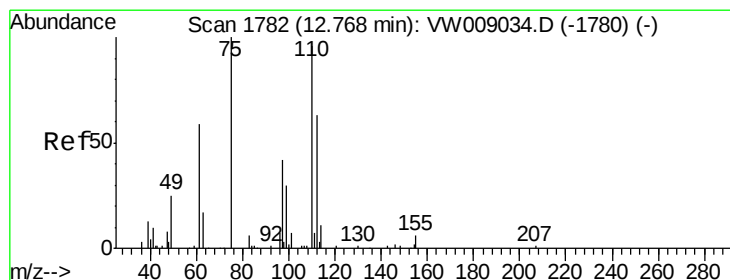
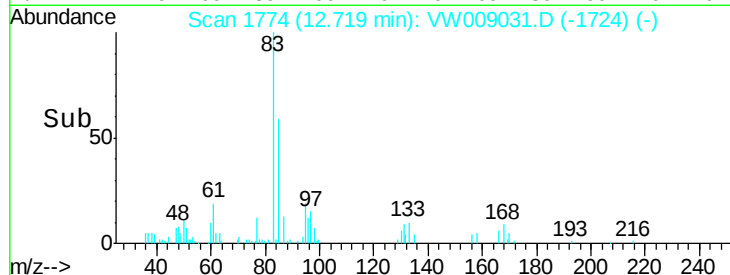
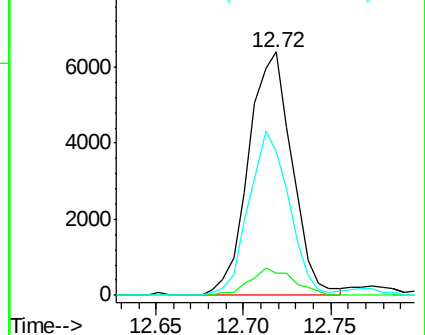
85 62.2 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 5.960 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009031.D

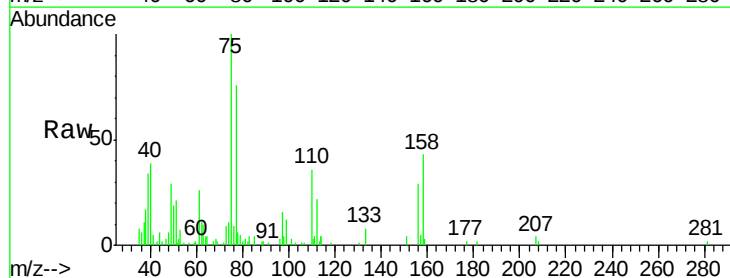
Acq: 07 Mar 2019 10:55

Tgt Ion: 75 Resp: 14380

Ion Ratio Lower Upper

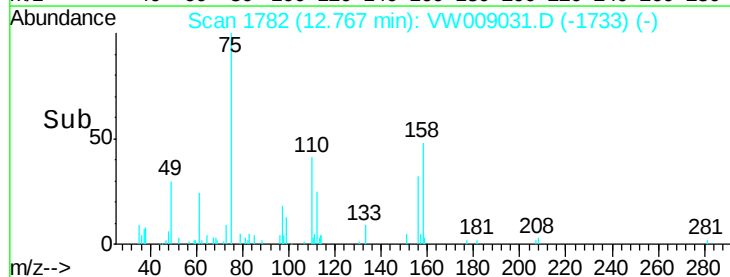
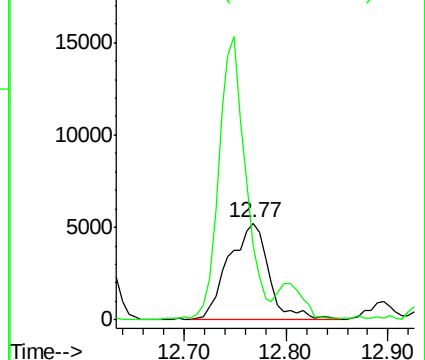
75 100

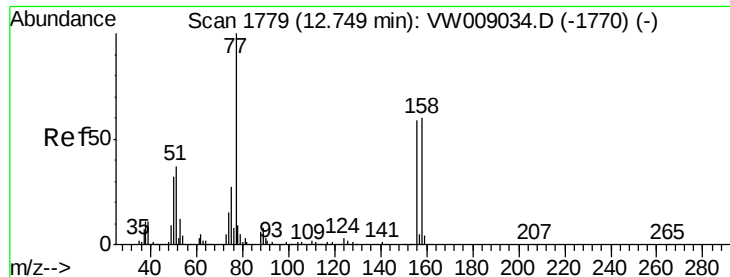
77 197.3 186.7 560.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.532 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

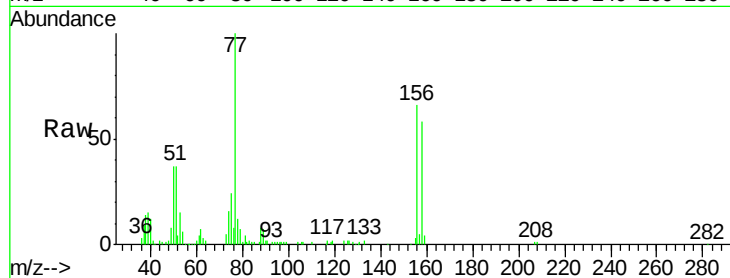
Tgt Ion: 156 Resp: 15958

Ion Ratio Lower Upper

156 100

77 177.8 93.0 279.2

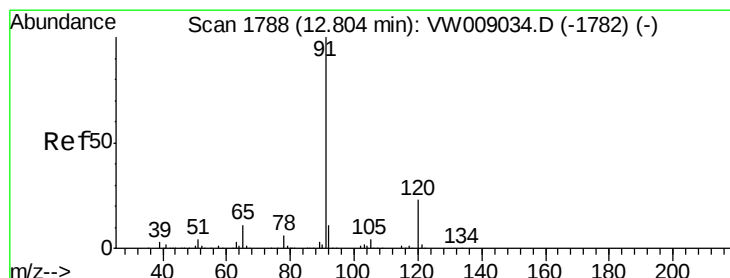
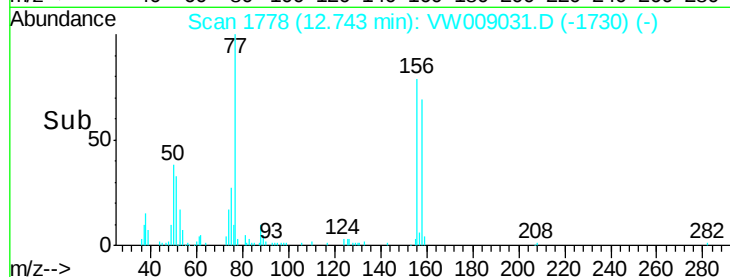
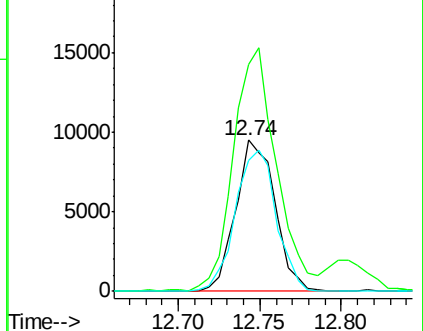
158 97.2 50.0 149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.266 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009031.D

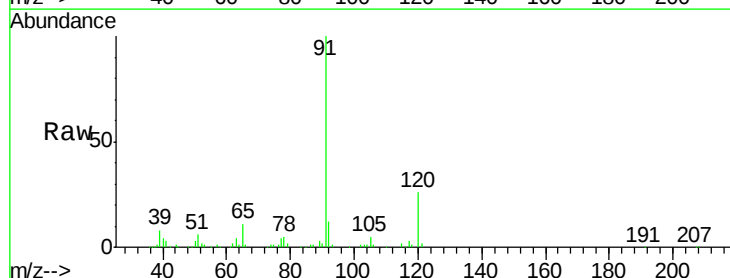
Acq: 07 Mar 2019 10:55

Tgt Ion: 91 Resp: 80640

Ion Ratio Lower Upper

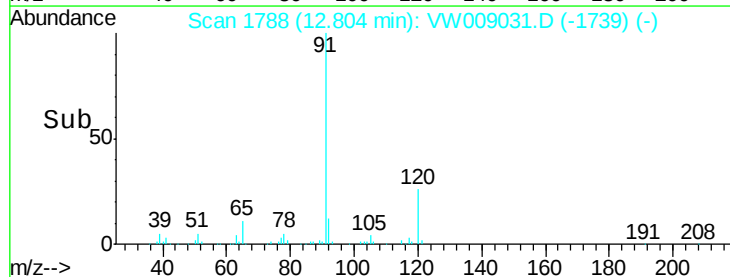
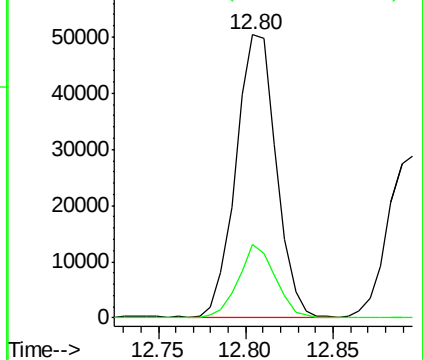
91 100

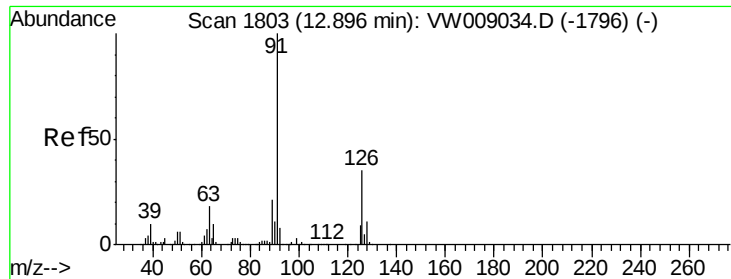
120 23.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.405 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

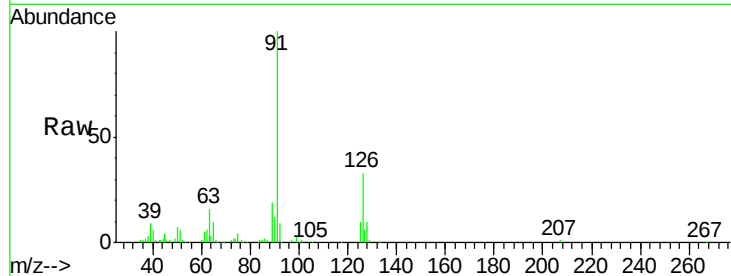
VSTDIC005

Tgt Ion: 91 Resp: 46784

Ion Ratio Lower Upper

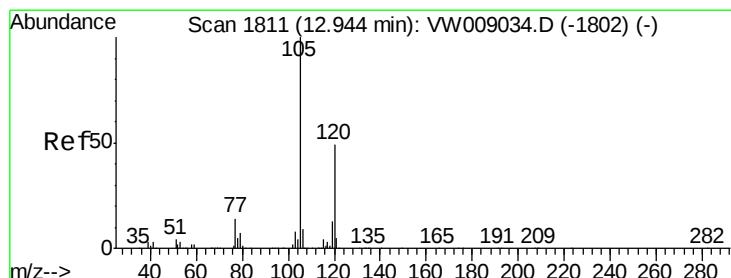
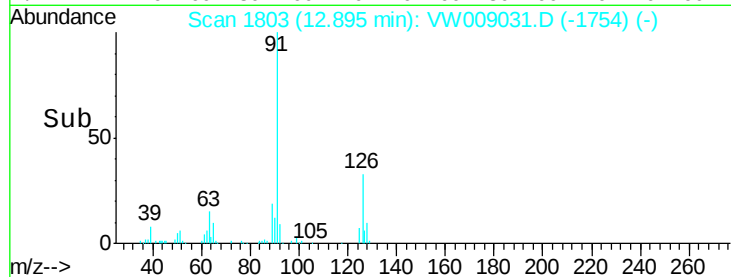
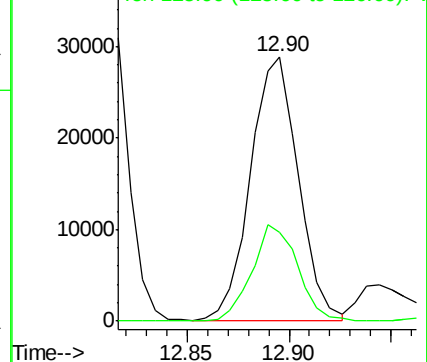
91 100

126 34.9 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.107 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009031.D

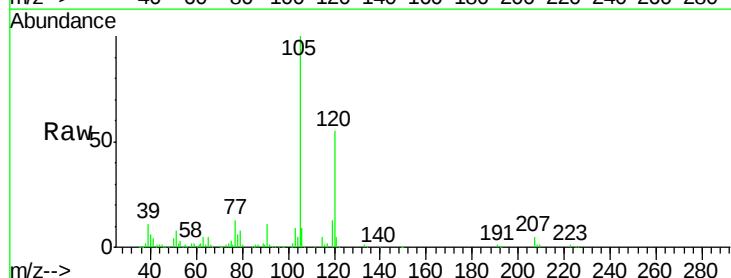
Acq: 07 Mar 2019 10:55

Tgt Ion: 105 Resp: 54499

Ion Ratio Lower Upper

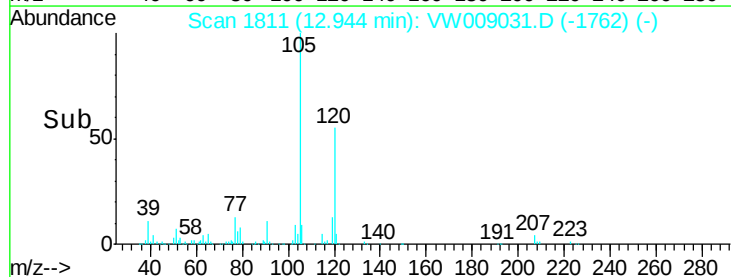
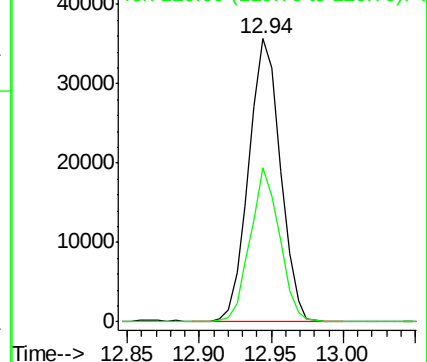
105 100

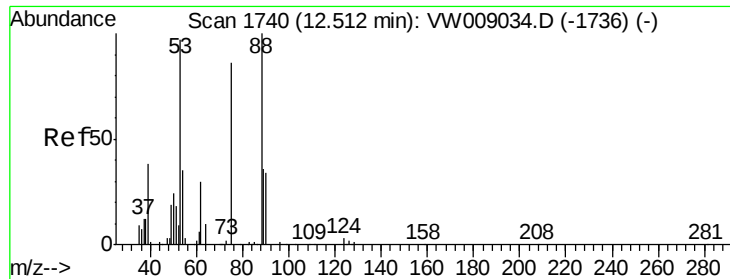
120 50.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 3.681 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

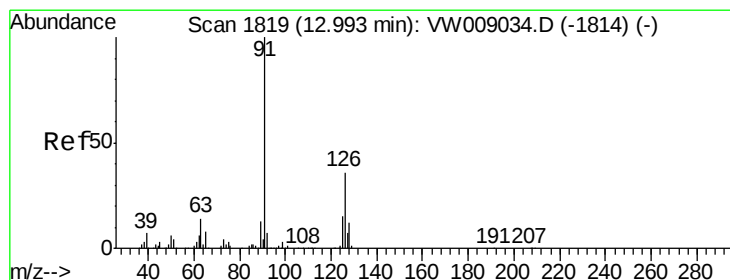
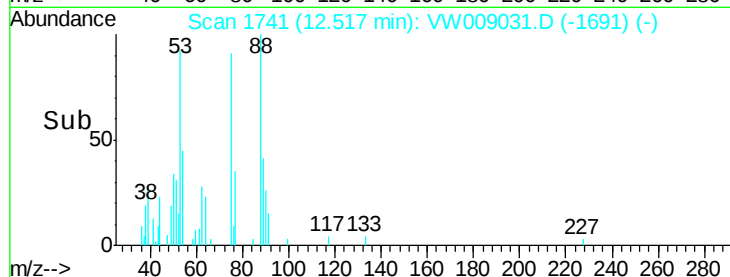
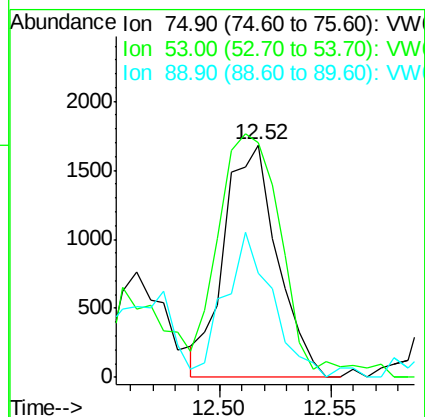
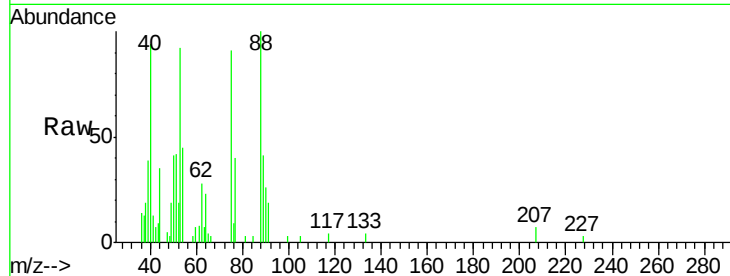
Tgt Ion: 75 Resp: 2796

Ion Ratio Lower Upper

75 100

53 126.0 90.5 135.7

89 55.7 37.5 56.3



#82

4-Chlorotoluene

Concen: 4.269 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW009031.D

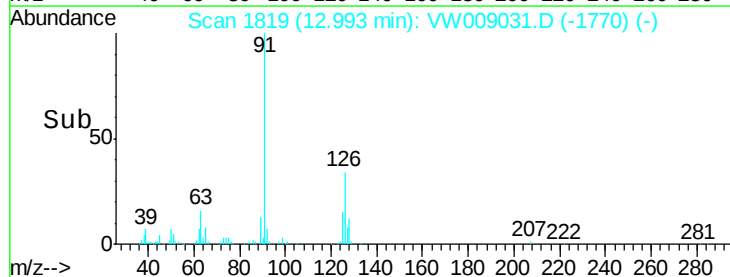
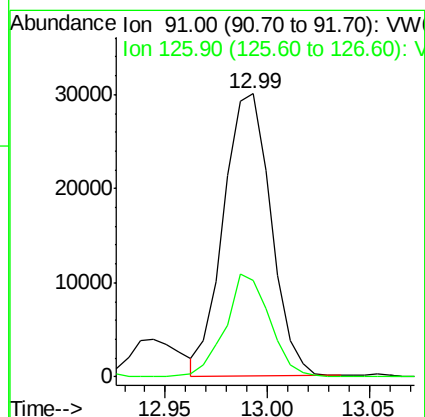
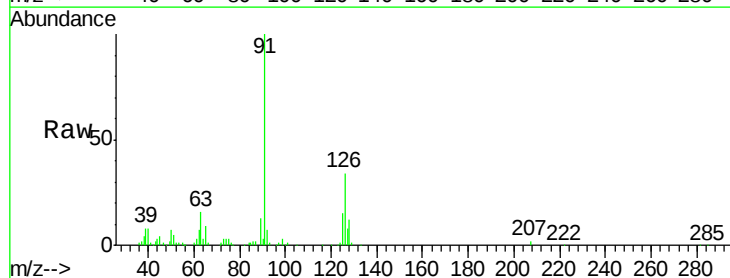
Acq: 07 Mar 2019 10:55

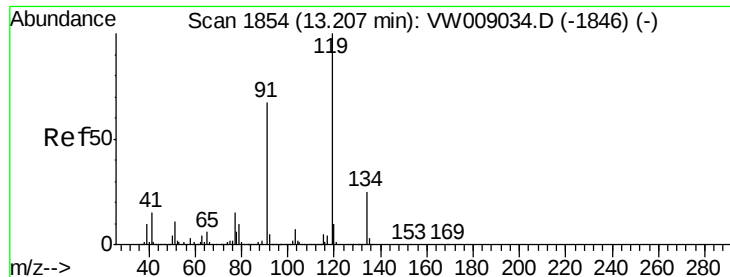
Tgt Ion: 91 Resp: 48317

Ion Ratio Lower Upper

91 100

126 34.1 16.6 49.8





#83

tert-Butylbenzene

Concen: 4.146 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

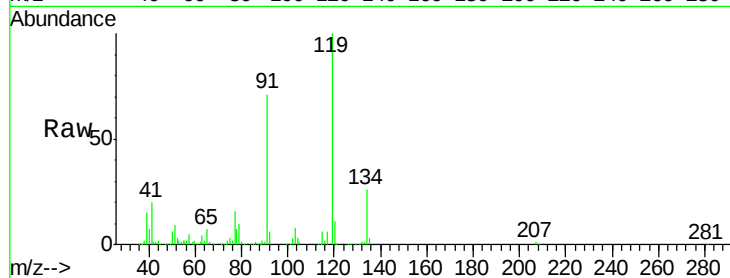
Tgt Ion:119 Resp: 46218

Ion Ratio Lower Upper

119 100

91 69.7 34.2 102.5

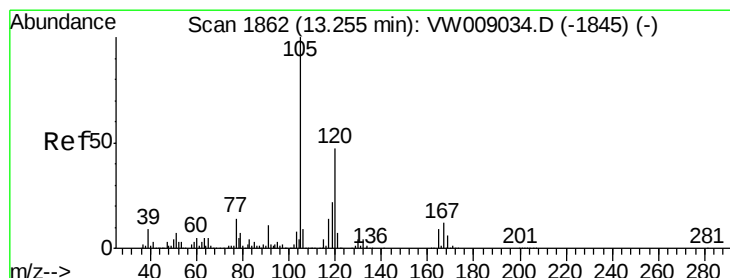
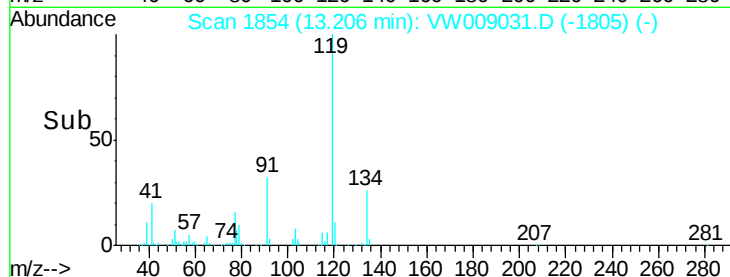
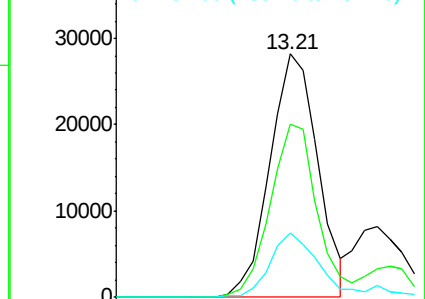
134 26.5 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.030 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW009031.D

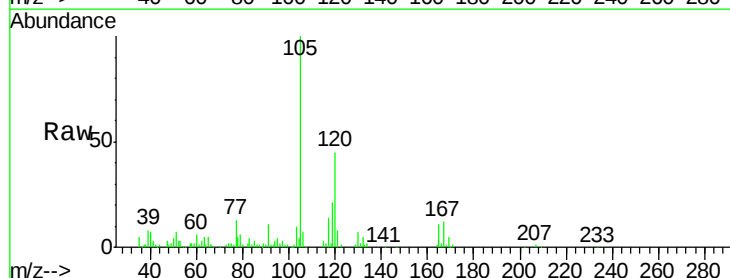
Acq: 07 Mar 2019 10:55

Tgt Ion:105 Resp: 53986

Ion Ratio Lower Upper

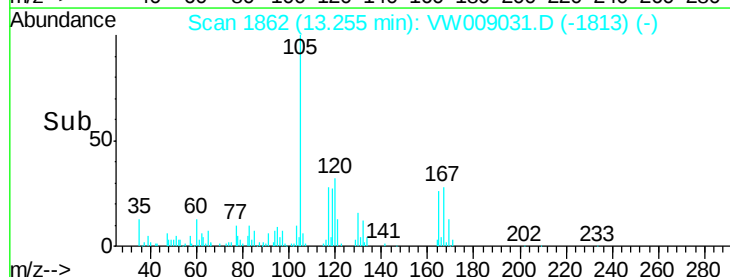
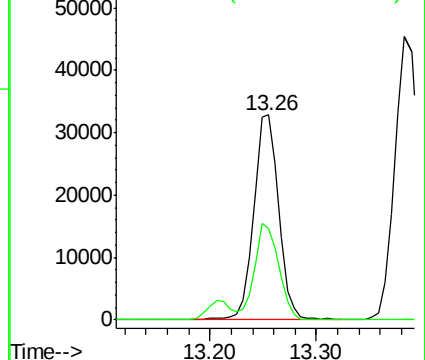
105 100

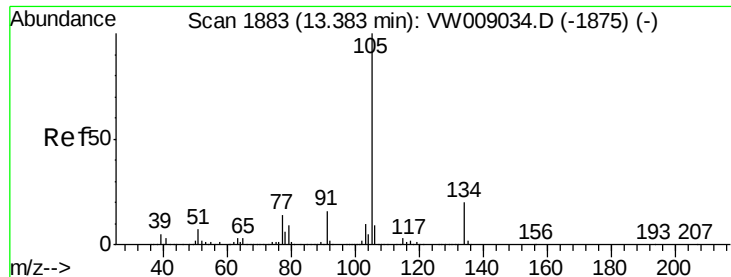
120 45.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

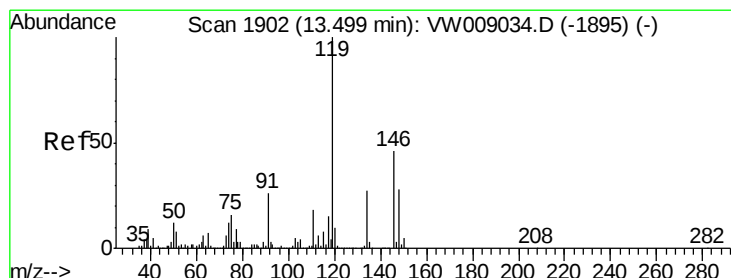
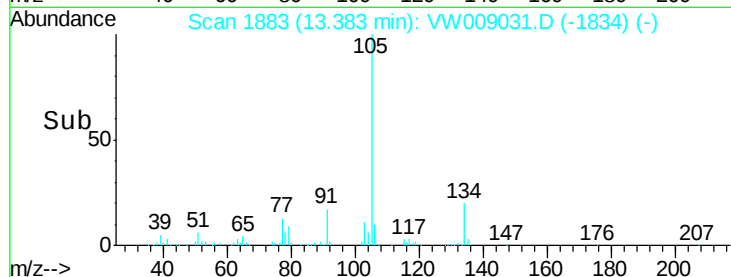
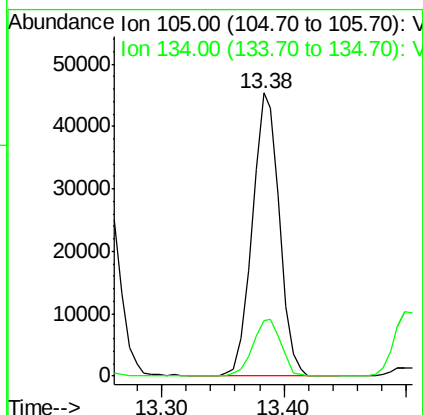
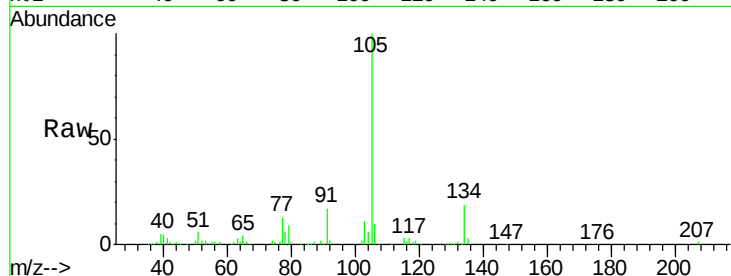




#85
 sec-Butylbenzene
 Concen: 4.247 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

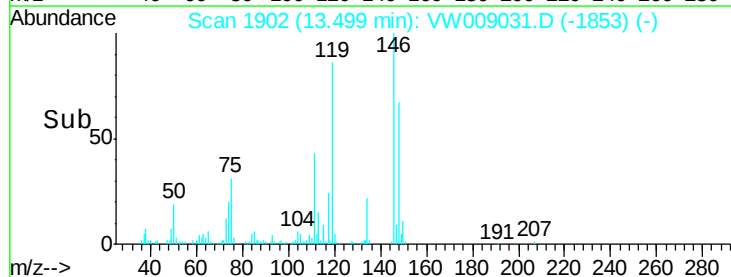
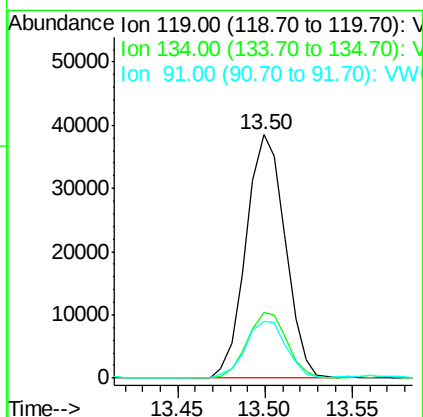
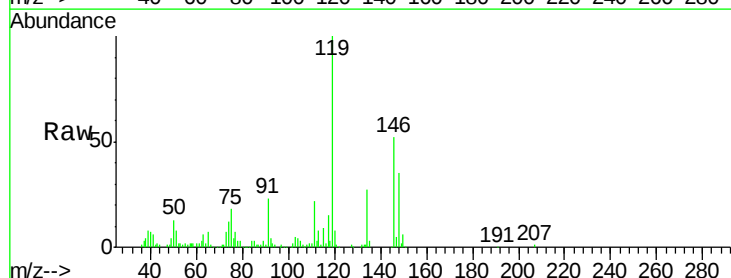
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

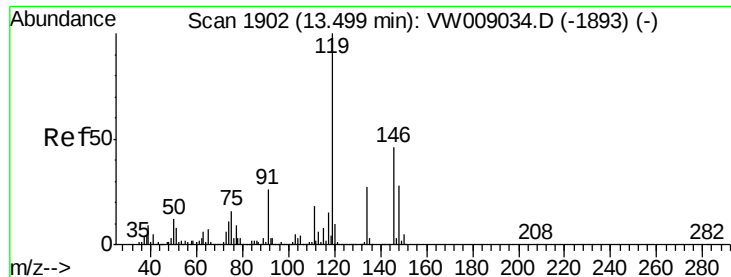
Tgt Ion:105 Resp: 70148
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 4.048 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion:119 Resp: 59936
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.3 39.9
 91 24.5 12.3 36.9

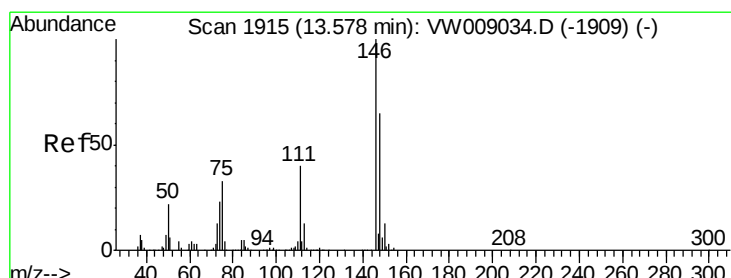
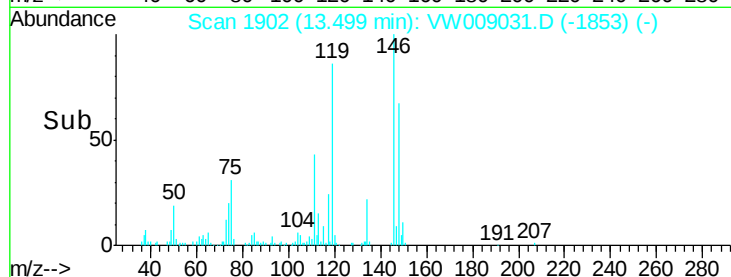
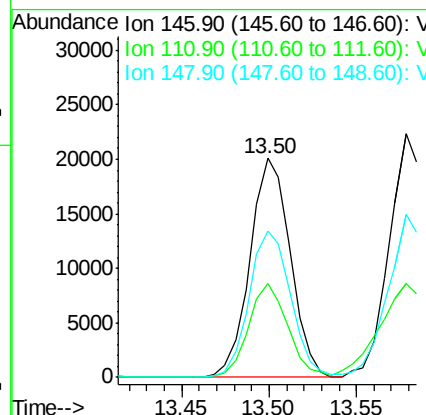
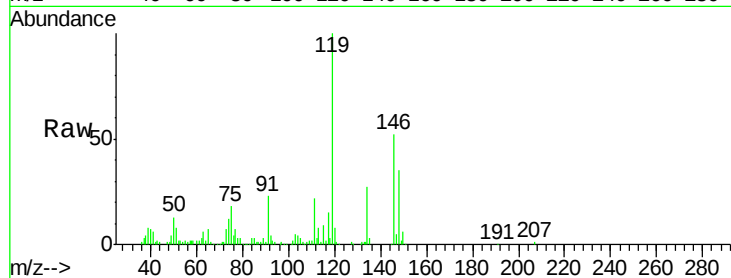




#87
 1,3-Dichlorobenzene
 Concen: 4.369 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

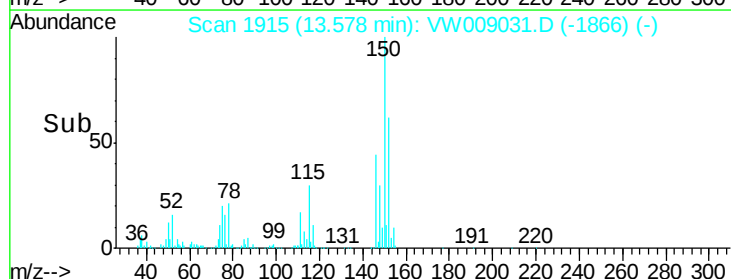
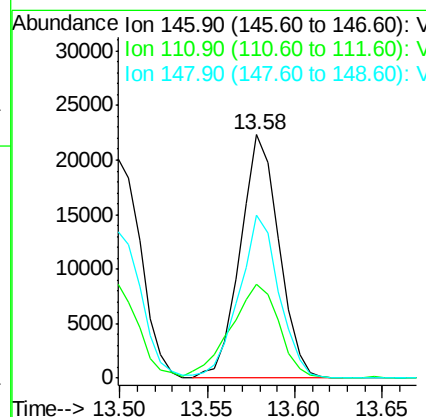
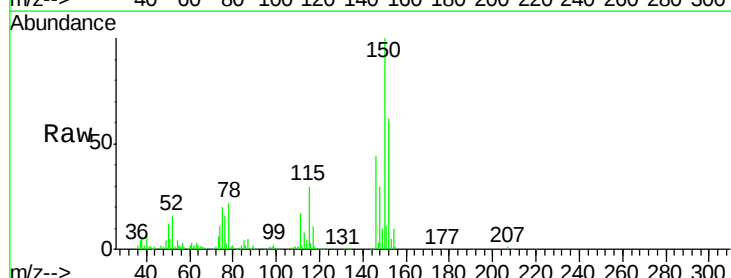
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

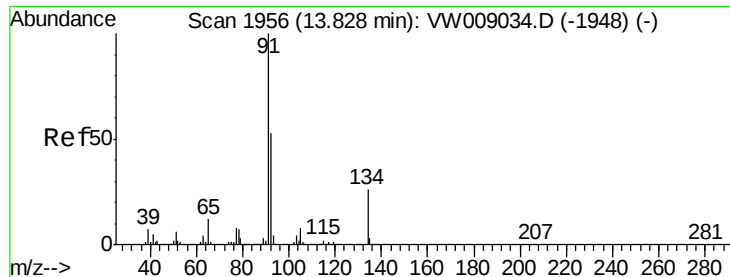
Tgt Ion:146 Resp: 32258
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.8 59.4
 148 68.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 4.704 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion:146 Resp: 34306
 Ion Ratio Lower Upper
 146 100
 111 48.3 19.7 59.0
 148 69.2 32.2 96.6





#89

n-Butylbenzene

Concen: 4.064 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

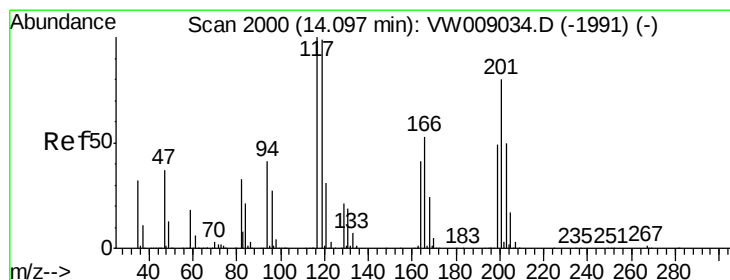
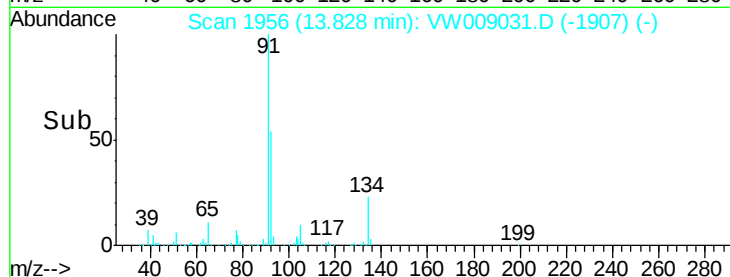
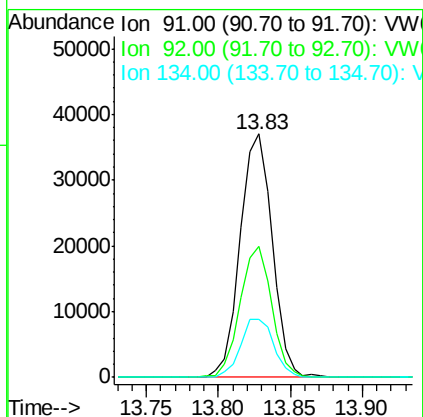
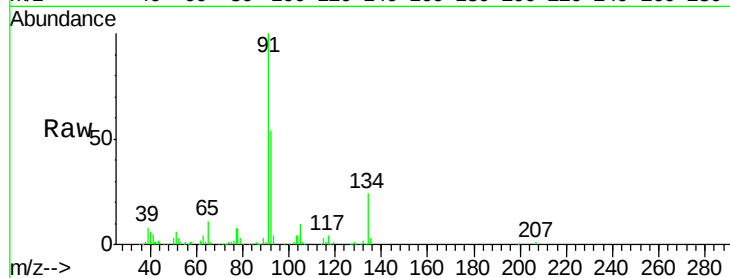
Tgt Ion: 91 Resp: 57355

Ion Ratio Lower Upper

91 100

92 53.1 26.8 80.3

134 24.9 12.9 38.7



#90

Hexachloroethane

Concen: 4.111 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW009031.D

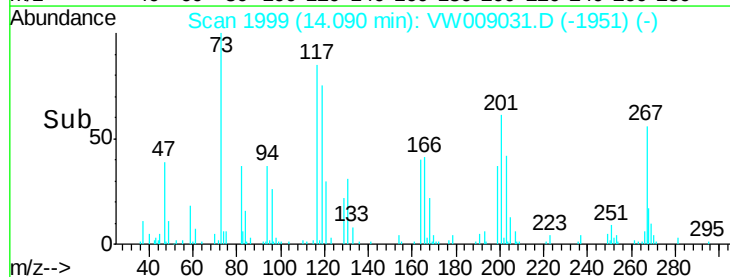
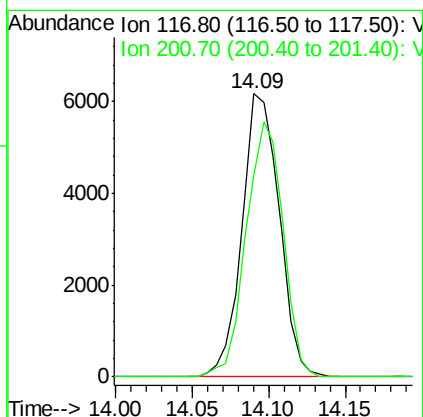
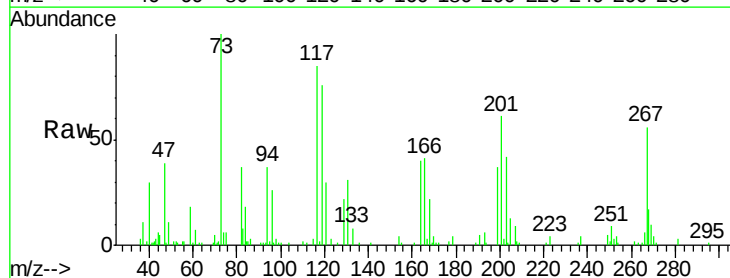
Acq: 07 Mar 2019 10:55

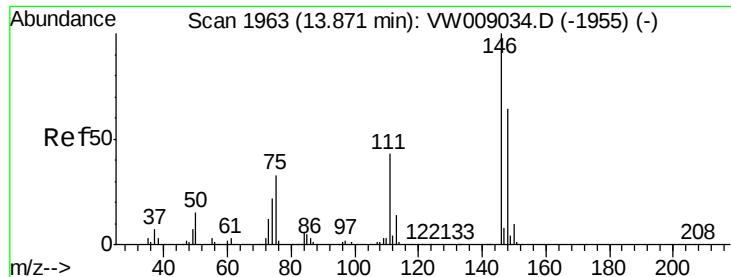
Tgt Ion: 117 Resp: 10485

Ion Ratio Lower Upper

117 100

201 89.3 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 4.565 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

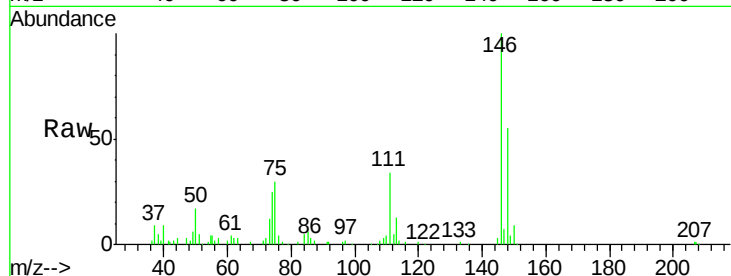
Tgt Ion:146 Resp: 29522

Ion Ratio Lower Upper

146 100

111 39.2 21.1 63.1

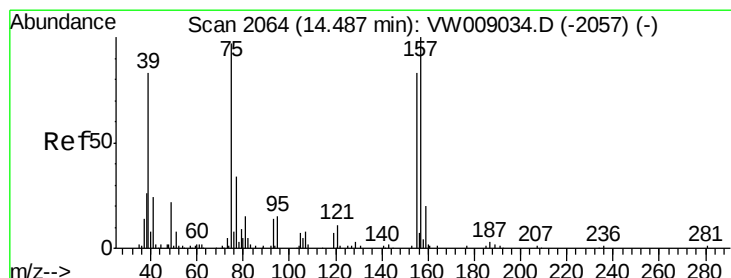
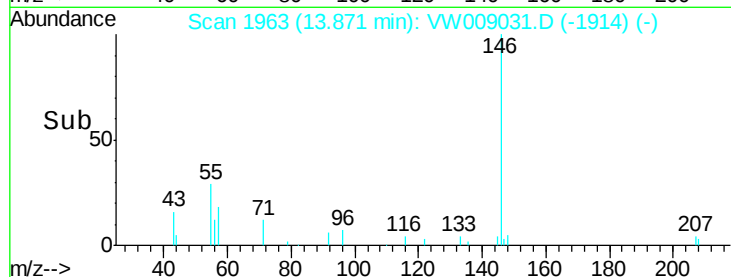
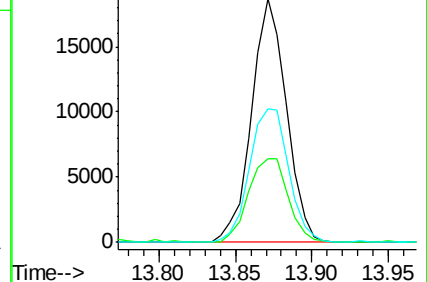
148 62.2 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.390 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

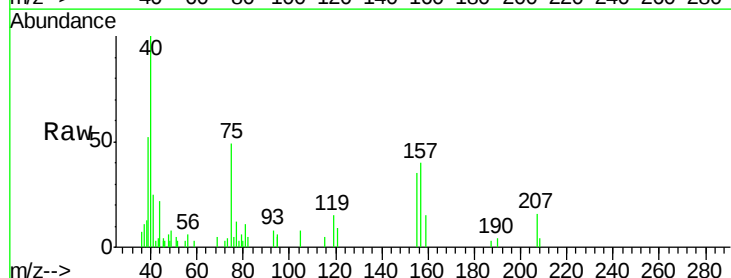
Tgt Ion: 75 Resp: 1996

Ion Ratio Lower Upper

75 100

155 72.0 40.8 122.4

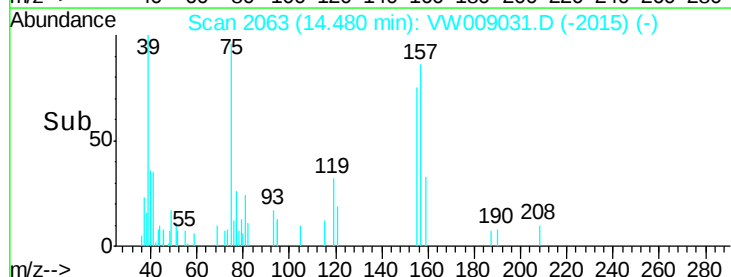
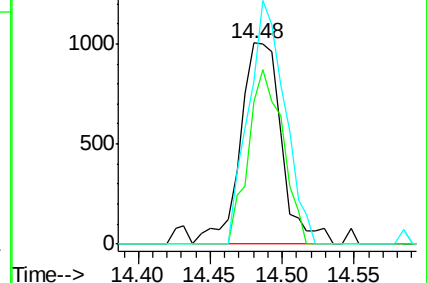
157 106.3 52.4 157.3

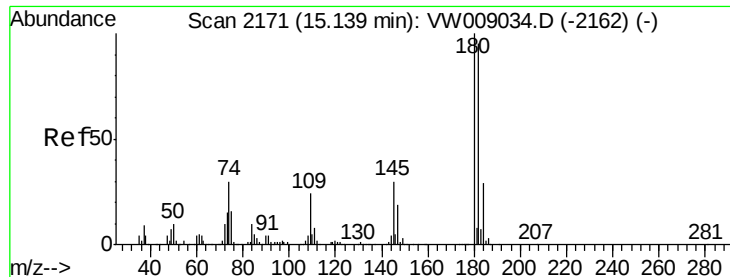


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

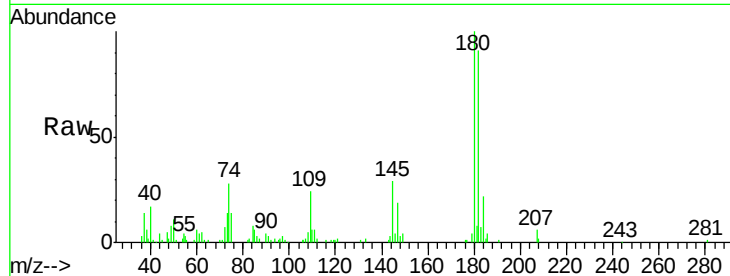




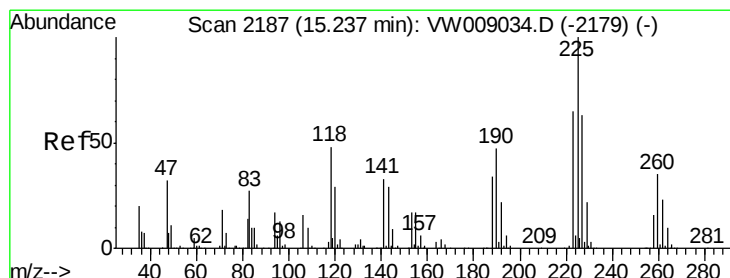
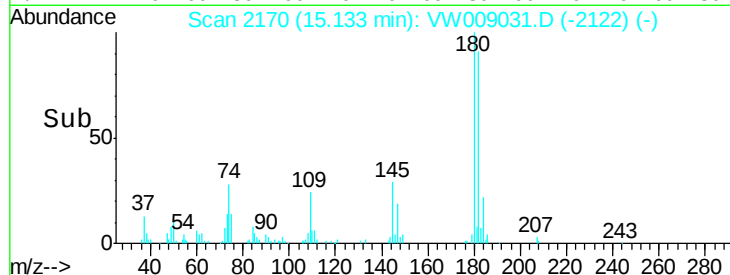
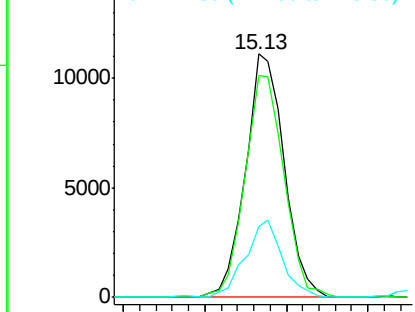
#93
 1,2,4-Trichlorobenzene
 Concen: 4.150 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 18353
 Ion Ratio Lower Upper
 180 100
 182 92.2 48.1 144.3
 145 30.4 15.4 46.1

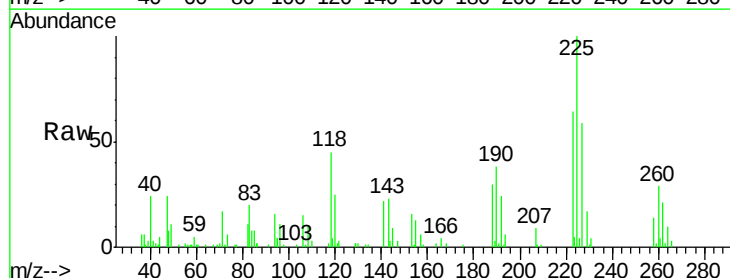


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

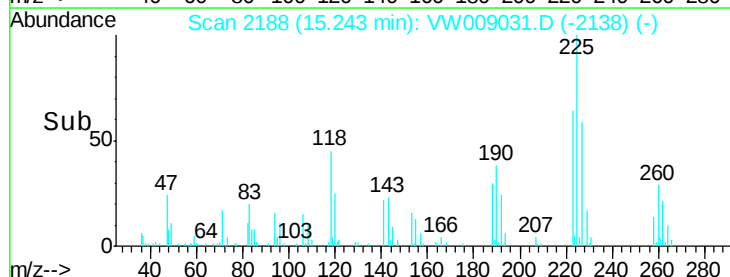
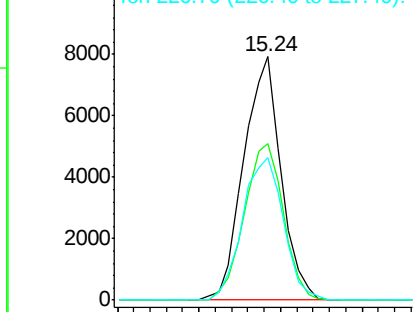


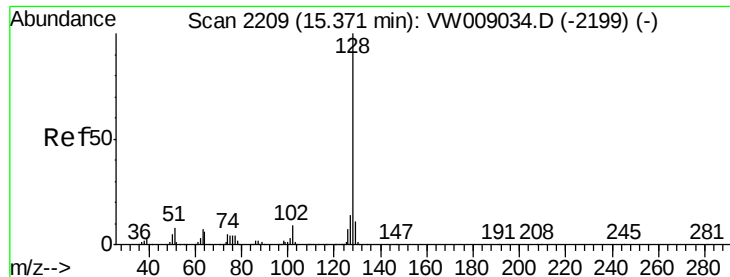
#94
 Hexachlorobutadiene
 Concen: 4.548 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009031.D
 Acq: 07 Mar 2019 10:55

Tgt Ion:225 Resp: 12570
 Ion Ratio Lower Upper
 225 100
 223 67.3 31.6 94.8
 227 64.2 32.0 96.2



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





#95

Naphthalene

Concen: 3.314 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

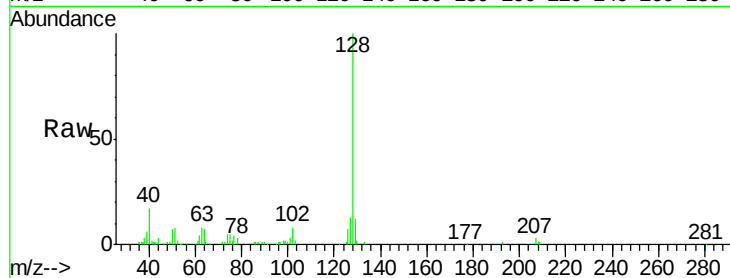
Tgt Ion:128 Resp: 24277

Ion Ratio Lower Upper

128 100

127 15.5 11.0 16.6

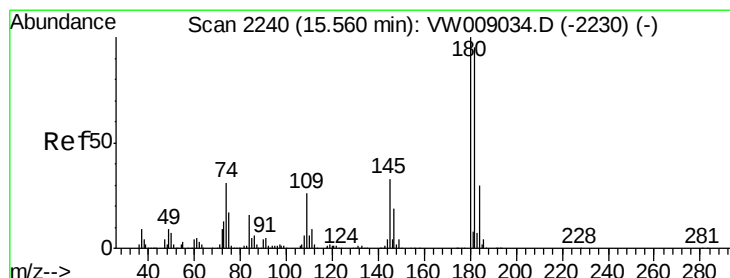
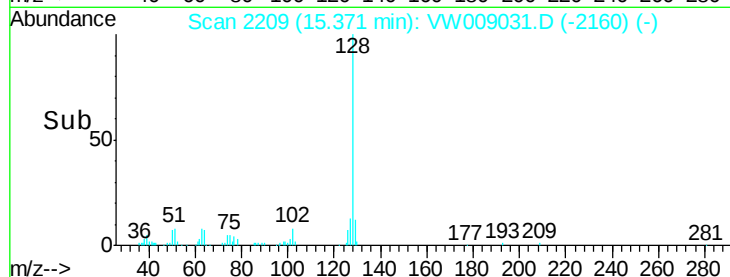
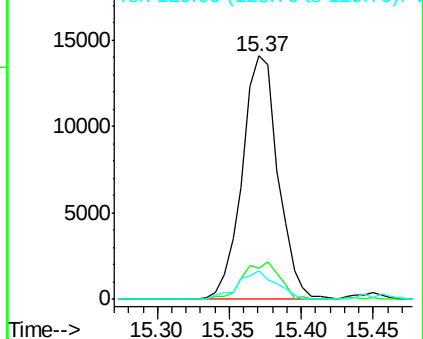
129 12.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.941 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009031.D

Acq: 07 Mar 2019 10:55

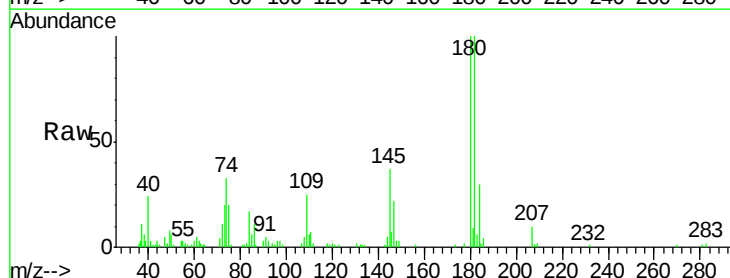
Tgt Ion:180 Resp: 15303

Ion Ratio Lower Upper

180 100

182 99.2 48.1 144.3

145 33.4 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

