

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012426.D
 Acq On : 01 Sep 2019 04:05
 Operator : SY/VA
 Sample : K4516-03
 Misc : 5.92G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B3-(0)

Quant Time: Sep 01 05:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.54	152	20	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	410	76.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.28%	
35) Dibromofluoromethane	7.88	113	363	96.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.14%	
50) Toluene-d8	10.34	98	324	21.15	ug/l	0.02
Spiked Amount	50.000		Recovery	=	42.30%	
62) 4-Bromofluorobenzene	12.62	95	24	4.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.17	85	47	16.850	ug/l #	43
3) Chloromethane	2.23	50	82	18.975	ug/l #	43
5) Bromomethane	2.60	94	20	7.466	ug/l #	4
6) Chloroethane	2.90	64	91	30.498	ug/l #	45
10) Methyl Iodide	4.28	142	27	4.420	ug/l #	40
11) Tert butyl alcohol	5.21	59	22	67.887	ug/l #	71
12) 1,1-Dichloroethene	3.90	96	45	9.904	ug/l #	1
13) Acrolein	3.84	56	20	65.562	ug/l #	15
14) Allyl chloride	4.64	41	27	2.779	ug/l #	1
15) Acrylonitrile	5.43	53	59	47.218	ug/l #	17
16) Acetone	4.14	43	190	138.028	ug/l #	47
17) Carbon Disulfide	4.18	76	19	1.384	ug/l #	75
18) Methyl Acetate	4.65	43	71	20.825	ug/l #	57
19) Methyl tert-butyl Ether	5.46	73	42	5.716	ug/l #	52
20) Methylene Chloride	4.93	84	46	8.840	ug/l #	1
21) trans-1,2-Dichloroethene	5.50	96	22	4.515	ug/l #	1
22) Diisopropyl ether	6.34	45	19	1.055	ug/l #	36
23) Vinyl Acetate	6.24	43	177	15.973	ug/l #	77
24) 1,1-Dichloroethane	6.09	63	22	2.244	ug/l #	84
25) 2-Butanone	7.08	43	98	52.391	ug/l #	56
26) 2,2-Dichloropropane	7.04	77	31	5.587	ug/l #	54
27) cis-1,2-Dichloroethene	6.97	96	70	13.446	ug/l #	1
28) Bromochloromethane	7.37	49	22	5.149	ug/l #	24
29) Tetrahydrofuran	7.52	42	25	22.277	ug/l #	42
30) Chloroform	7.68	83	20	2.230	ug/l #	19
31) Cyclohexane	7.98	56	22	2.268	ug/l #	21
36) 1,1-Dichloropropene	8.08	75	43	6.574	ug/l #	51
37) Ethyl Acetate	7.27	43	20	5.580	ug/l #	1
40) Benzene	8.32	78	26	1.456	ug/l #	51
41) Methacrylonitrile	7.46	41	145	68.826	ug/l #	32
42) 1,2-Dichloroethane	8.20	62	32	5.716	ug/l #	77
43) Isopropyl Acetate	8.42	43	19	2.862	ug/l #	55
45) 1,2-Dichloropropane	9.55	63	25	5.201	ug/l #	43
48) Methyl methacrylate	9.49	41	110	34.808	ug/l #	46

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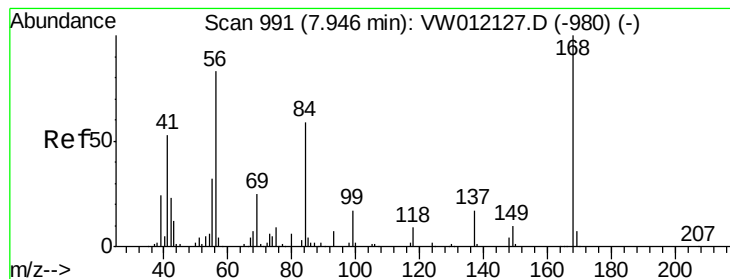
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B3-(0)

Quant Time: Sep 01 05:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
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 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

49) 1,4-Dioxane	9.46	88	22	671.904	ug/l #	1
51) 4-Methyl-2-Pentanone	10.27	43	122	36.125	ug/l #	40
52) Toluene	10.44	92	22	2.050	ug/l #	1
56) Ethyl methacrylate	10.59	69	23	5.222	ug/l #	1
59) 2-Hexanone	11.01	43	26	10.881	ug/l #	1
61) 1,2-Dibromoethane	11.16	107	19	6.739	ug/l #	3
68) m/p-Xylenes	11.81	106	19	11.588	ug/l #	1
74) N-amyl acetate	12.30	43	21	46.380	ug/l #	18
75) 1,1,2,2-Tetrachloroethane	12.53	83	24	87.354	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	32	164.283	ug/l #	100
77) Bromobenzene	12.93	156	33	101.785	ug/l #	1
78) n-propylbenzene	12.76	91	20	10.932	ug/l #	55
79) 2-Chlorotoluene	12.76	91	20	19.255	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.82	105	23	18.367	ug/l #	29
81) trans-1,4-Dichloro-2-buten	12.63	75	32	360.197	ug/l #	6
82) 4-Chlorotoluene	13.03	91	20	18.389	ug/l #	43
84) 1,2,4-Trimethylbenzene	13.31	105	19	15.104	ug/l #	32
85) sec-Butylbenzene	13.31	105	19	12.502	ug/l #	57
86) p-Isopropyltoluene	13.54	119	19	13.999	ug/l #	50
89) n-Butylbenzene	13.57	91	21	15.559	ug/l #	33
92) 1,2-Dibromo-3-Chloropropan	14.54	75	27	582.936	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.06	180	24	62.427	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

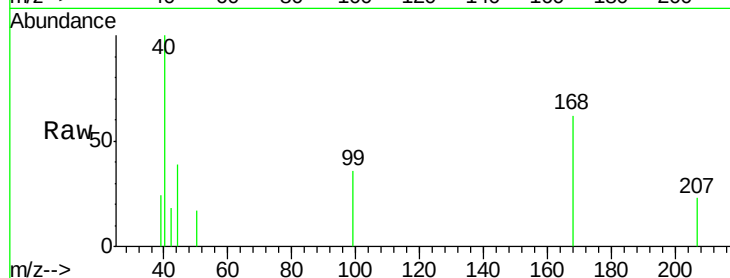
T1-S-B3-(0)

Tot Ion:168 Resp: 453

Ion Ratio Lower Upper

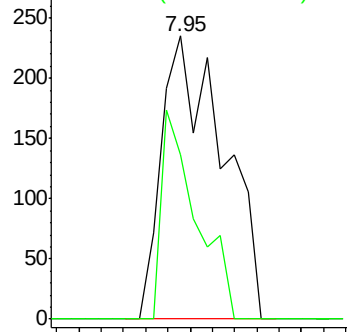
168 100

99 58.3 49.2 73.8

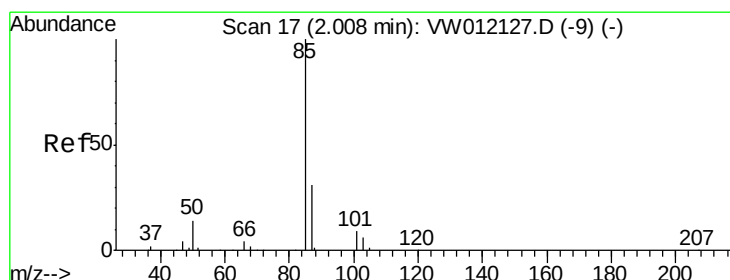
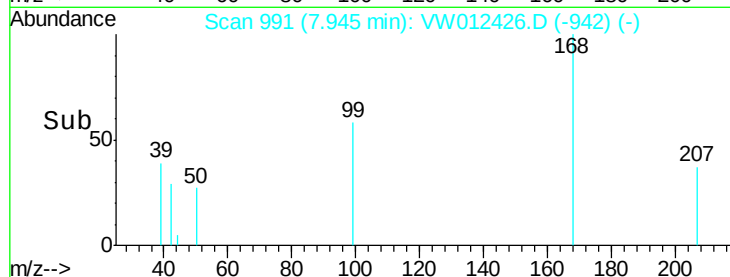


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



Time-->



#2

Dichlorodifluoromethane

Concen: 16.850 ug/l

RT: 2.17 min Scan# 43

Delta R.T. 0.16 min

Lab File: VW012426.D

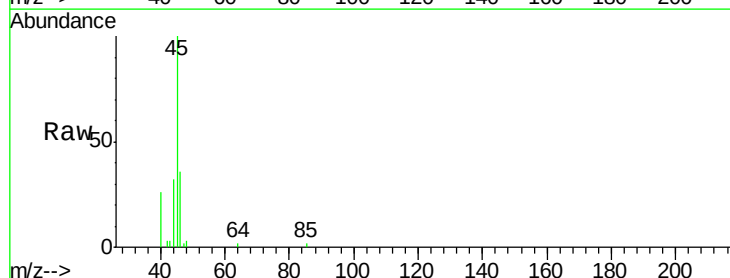
Acq: 01 Sep 2019 04:05

Tgt Ion: 85 Resp: 47

Ion Ratio Lower Upper

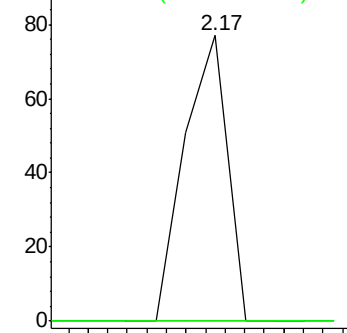
85 100

87 0.0 15.6 46.8#

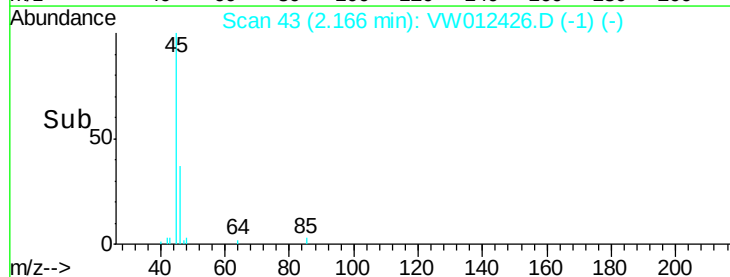


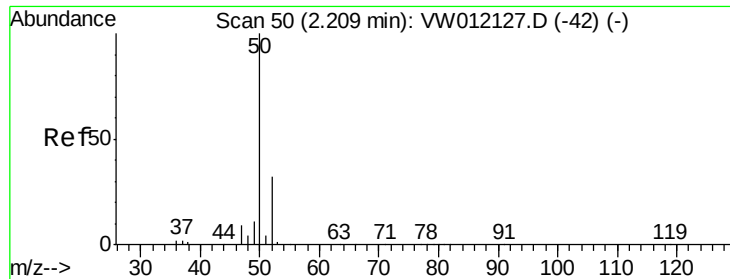
Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



Time-->





#3

Chloromethane

Concen: 18.975 ug/l

RT: 2.23 min Scan# 54

Delta R.T. 0.02 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

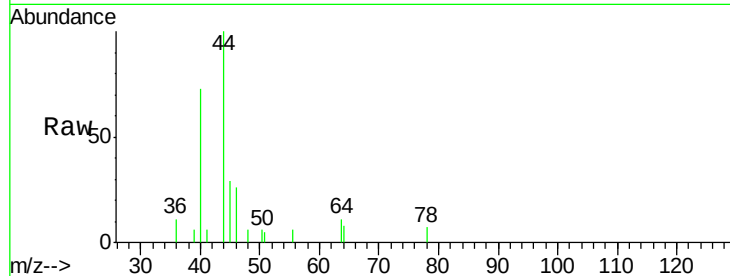
T1-S-B3-(0)

Tot Ion: 50 Resp: 82

Ion Ratio Lower Upper

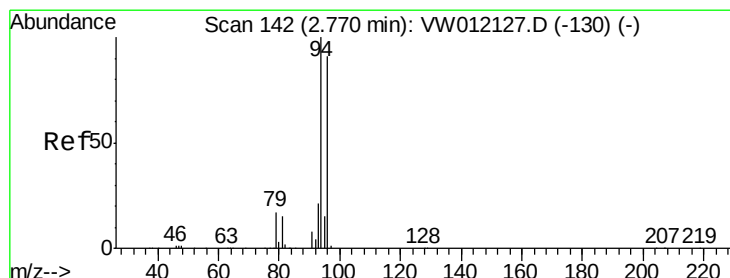
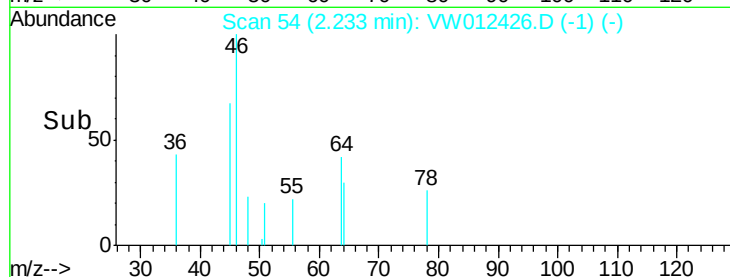
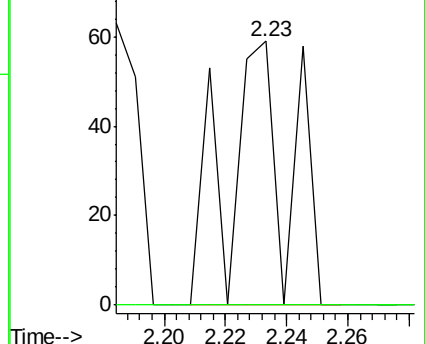
50 100

52 0.0 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#5

Bromomethane

Concen: 7.466 ug/l

RT: 2.60 min Scan# 115

Delta R.T. -0.16 min

Lab File: VW012426.D

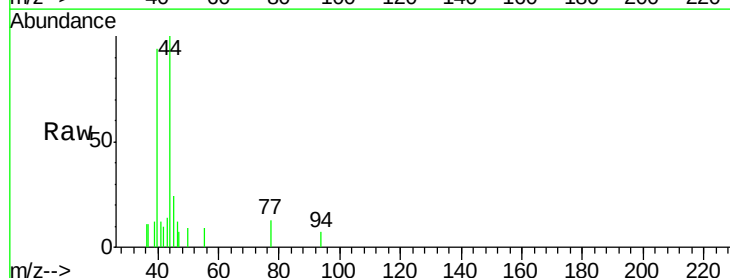
Acq: 01 Sep 2019 04:05

Tgt Ion: 94 Resp: 20

Ion Ratio Lower Upper

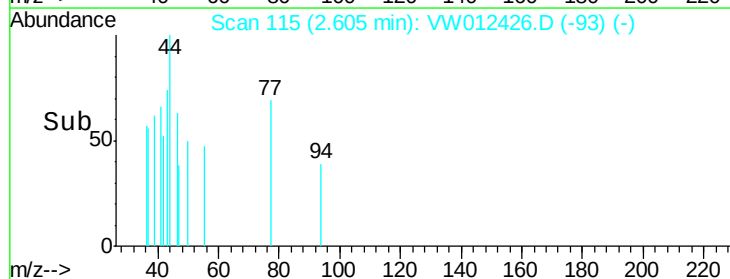
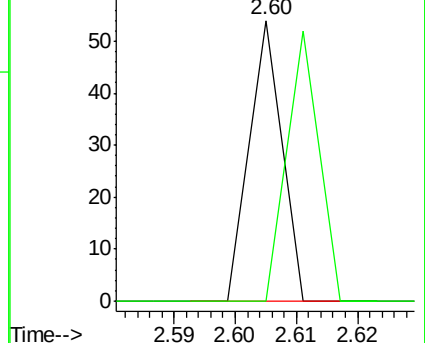
94 100

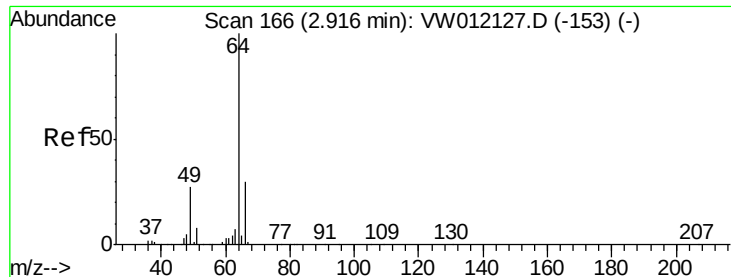
96 0.0 72.9 109.3#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW





#6

Chloroethane

Concen: 30.498 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

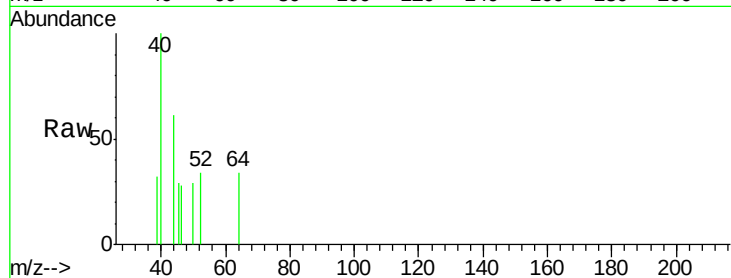
T1-S-B3-(0)

Tot Ion: 64 Resp: 91

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.90

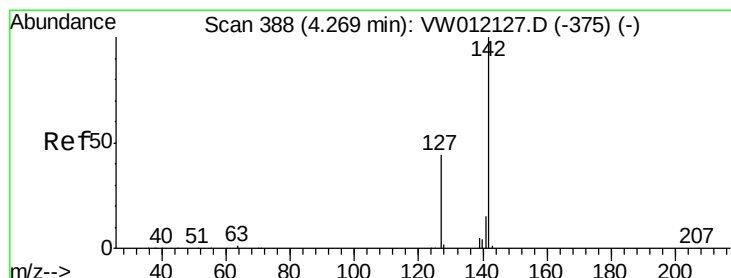
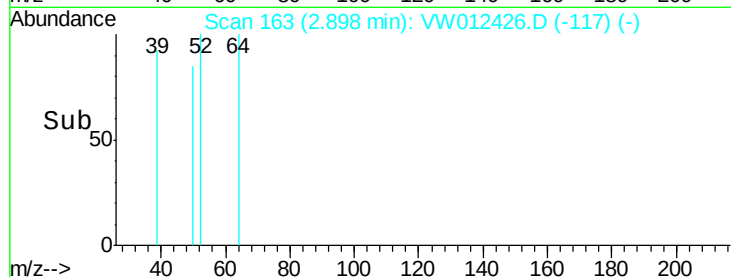
60

40

20

0

Time--> 2.85 2.90



#10

Methyl Iodide

Concen: 4.420 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

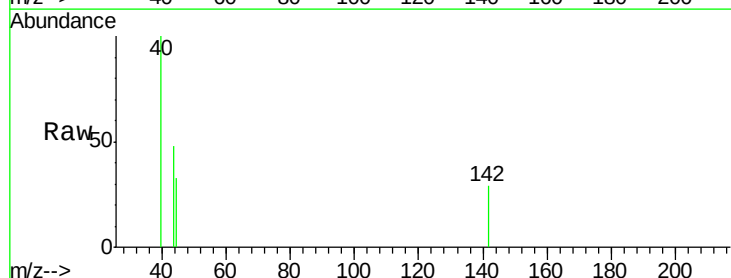
Tgt Ion: 142 Resp: 27

Ion Ratio Lower Upper

142 100

127 0.0 35.5 53.3#

141 0.0 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

100

80

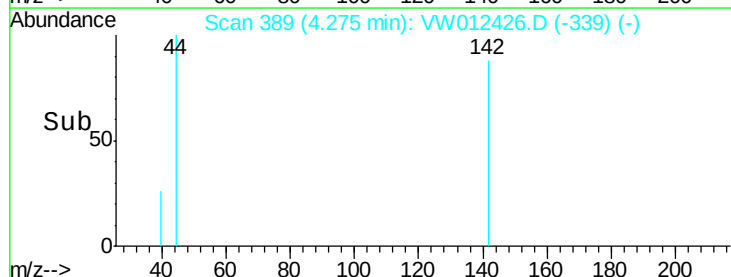
60

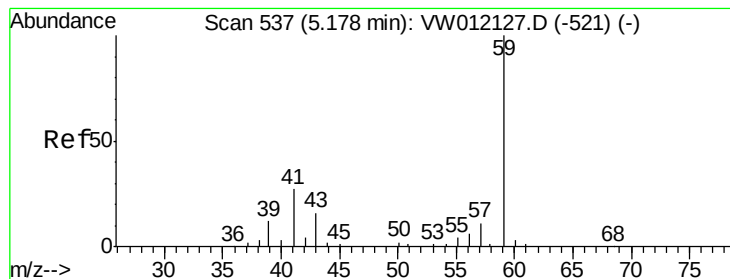
40

20

0

Time--> 4.26 4.27 4.28 4.29



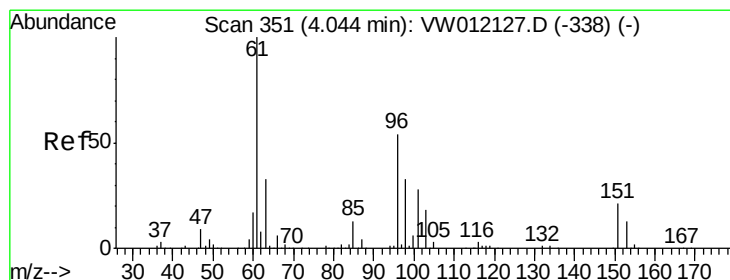
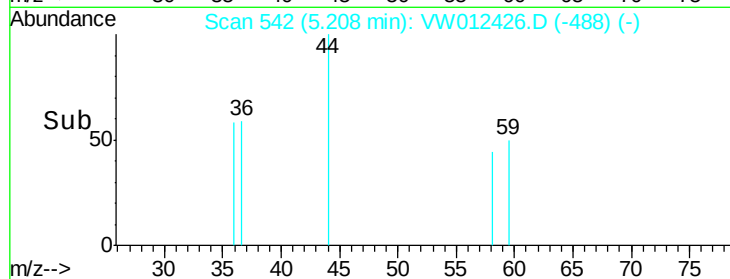
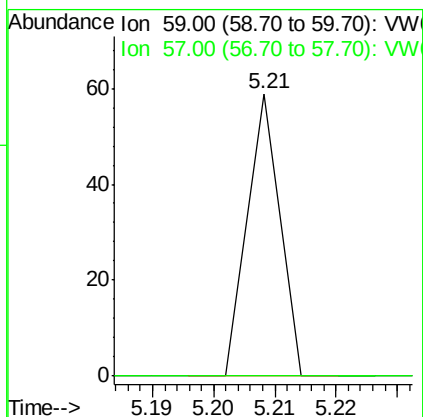
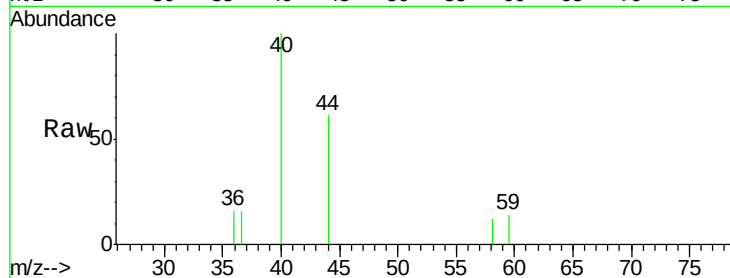


#11

Tert butyl alcohol
 Concen: 67.887 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.03 min
 Lab File: VW012426.D
 Acq: 01 Sep 2019 04:05

Instrument :
 MSVOA_W
 ClientSampled :
 T1-S-B3-(0)

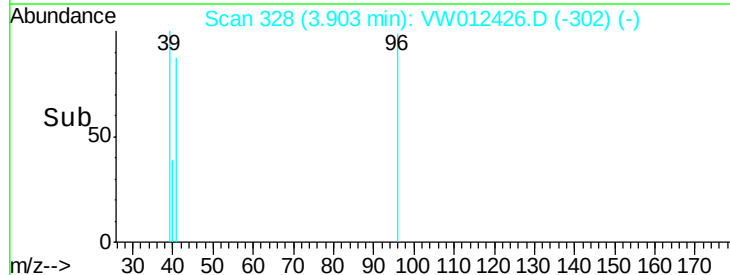
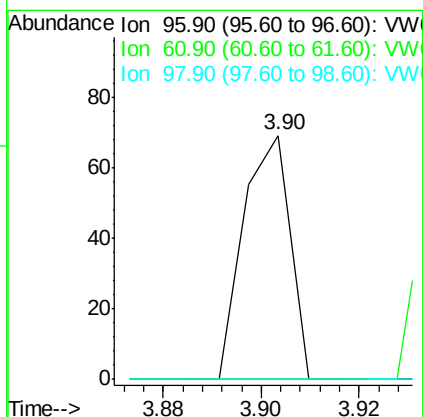
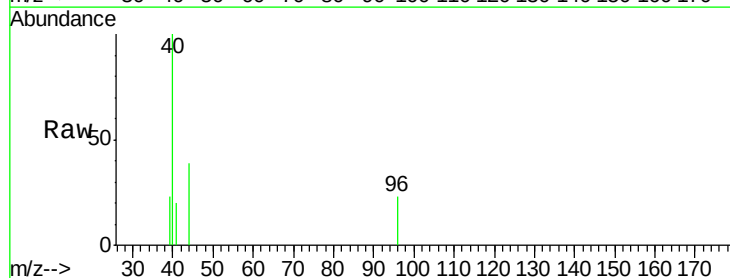
Tot Ion: 59 Resp: 22
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

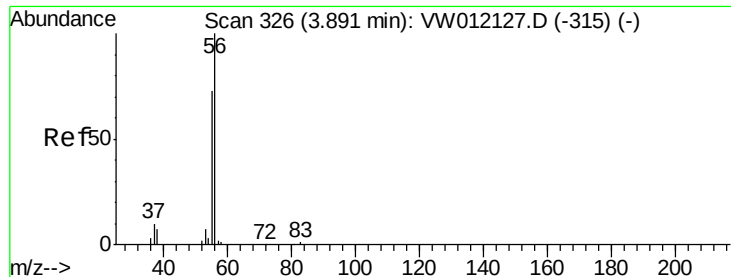


#12

1,1-Dichloroethene
 Concen: 9.904 ug/l
 RT: 3.90 min Scan# 328
 Delta R.T. -0.14 min
 Lab File: VW012426.D
 Acq: 01 Sep 2019 04:05

Tgt Ion: 96 Resp: 45
 Ion Ratio Lower Upper
 96 100
 61 0.0 149.1 223.7#
 98 0.0 49.4 74.2#





#13

Acrolein

Concen: 65.562 ug/l

RT: 3.84 min Scan# 318

Delta R.T. -0.05 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

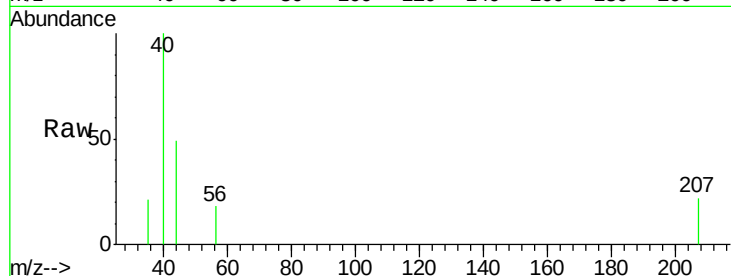
T1-S-B3-(0)

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#

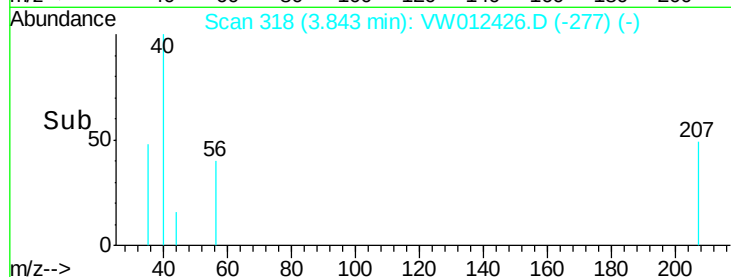


Abundance Ion 56.00 (55.70 to 56.70): VW

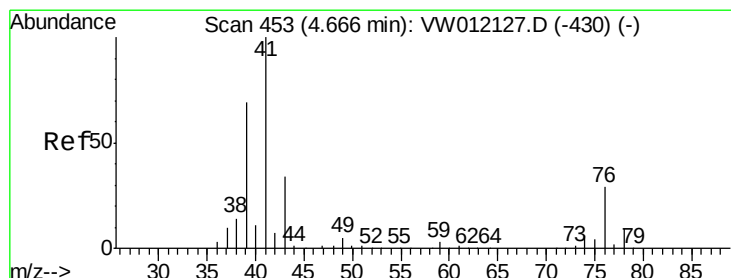
Ion 55.00 (54.70 to 55.70): VW

3.84

Time-->



Time-->



#14

Allyl chloride

Concen: 2.779 ug/l

RT: 4.64 min Scan# 448

Delta R.T. -0.03 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

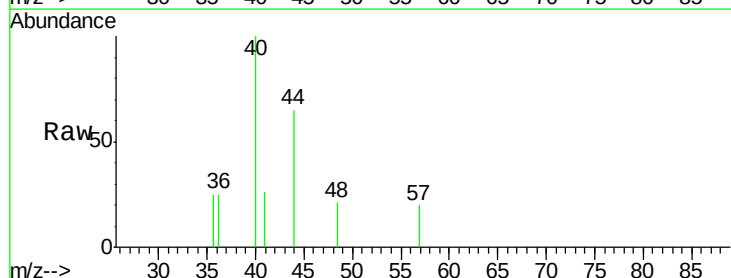
Tgt Ion: 41 Resp: 27

Ion Ratio Lower Upper

41 100

39 248.1 53.4 80.2#

76 0.0 22.1 33.1#



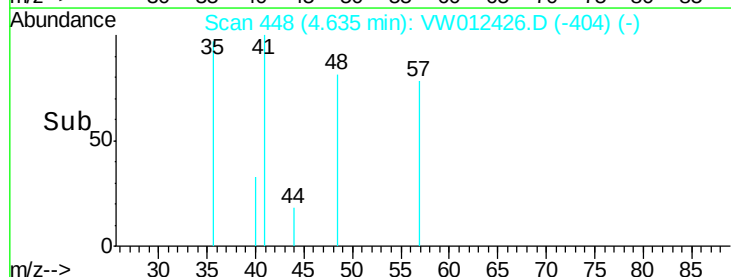
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

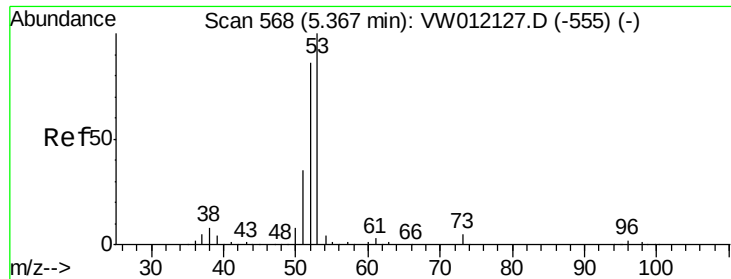
Ion 75.90 (75.60 to 76.60): VW

4.64

Time-->



Time-->



#15

Acrylonitrile

Concen: 47.218 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

T1-S-B3-(0)

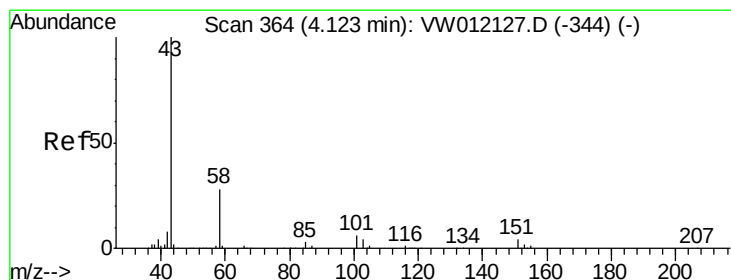
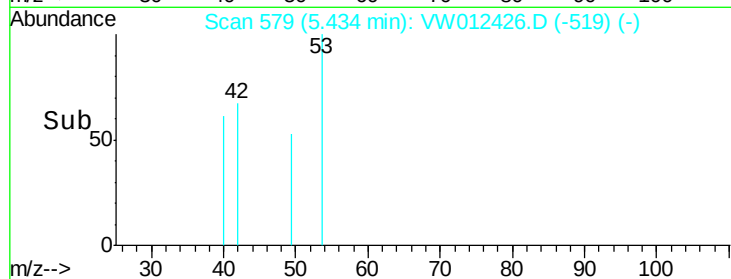
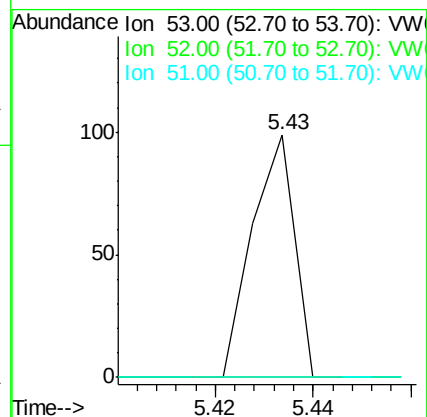
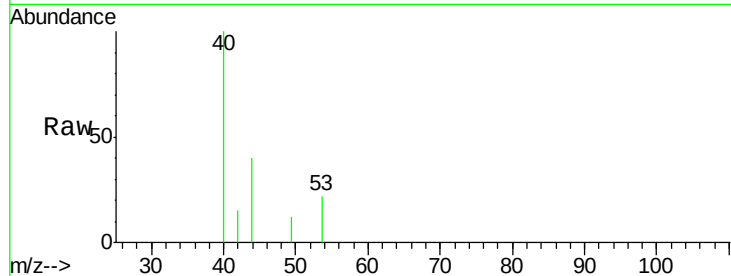
Tot Ion: 53 Resp: 59

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 0.0 30.1 45.1#



#16

Acetone

Concen: 138.028 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012426.D

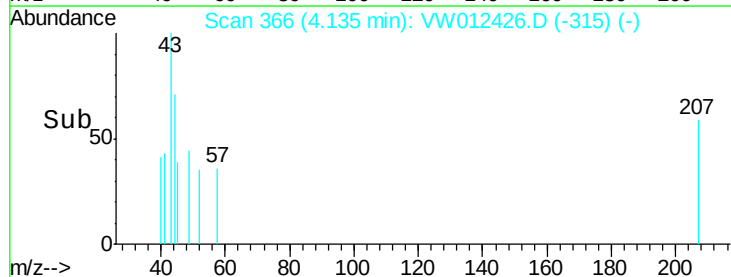
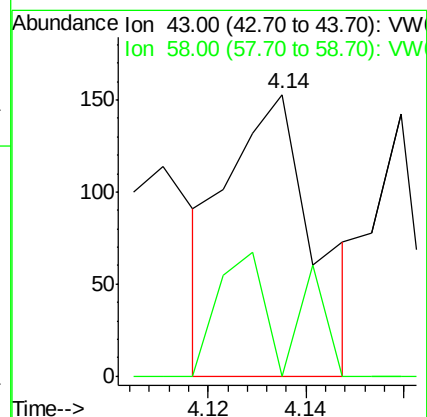
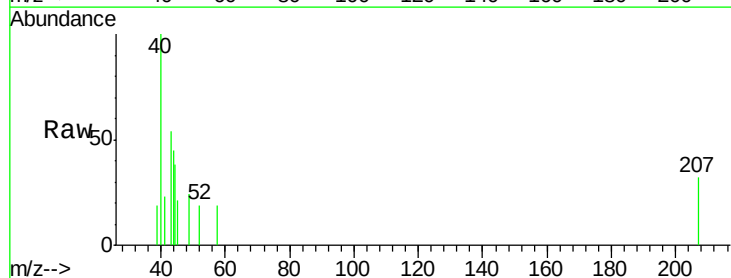
Acq: 01 Sep 2019 04:05

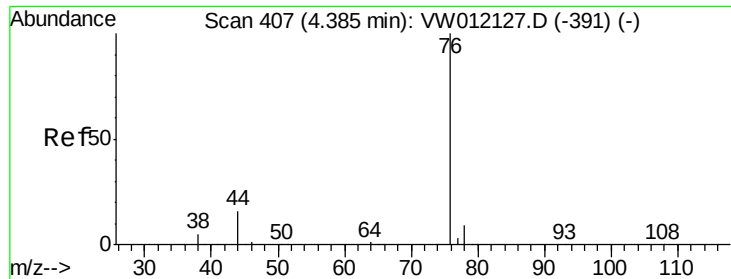
Tgt Ion: 43 Resp: 190

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#





#17

Carbon Disulfide

Concen: 1.384 ug/l

RT: 4.18 min Scan# 373

Delta R.T. -0.21 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

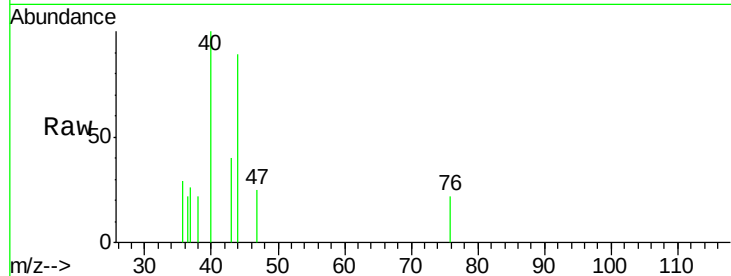
T1-S-B3-(0)

Tot Ion: 76 Resp: 19

Ion Ratio Lower Upper

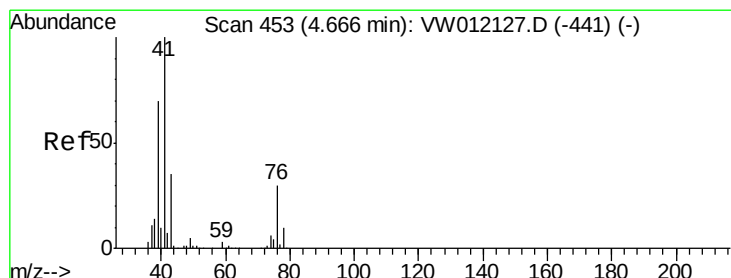
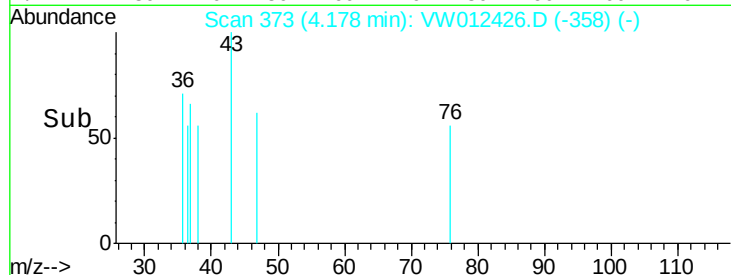
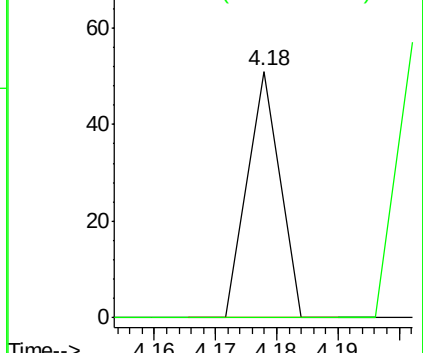
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.825 ug/l

RT: 4.65 min Scan# 450

Delta R.T. -0.02 min

Lab File: VW012426.D

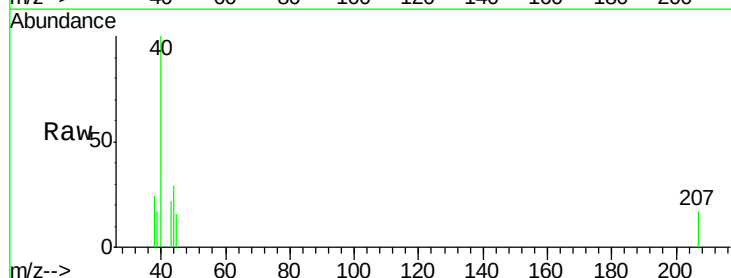
Acq: 01 Sep 2019 04:05

Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

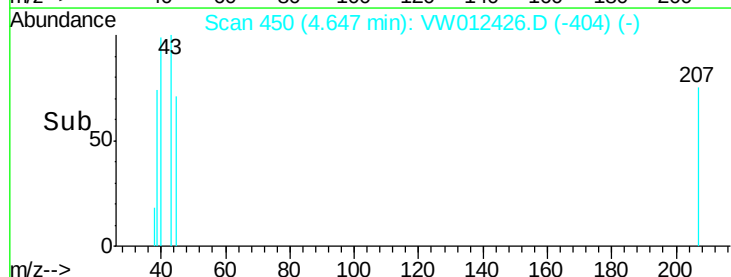
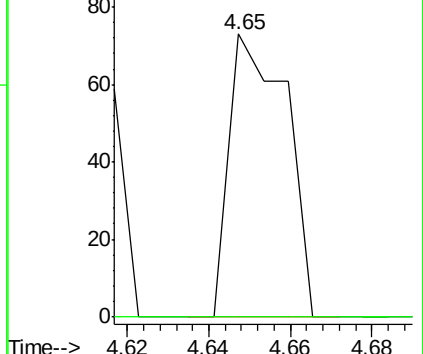
43 100

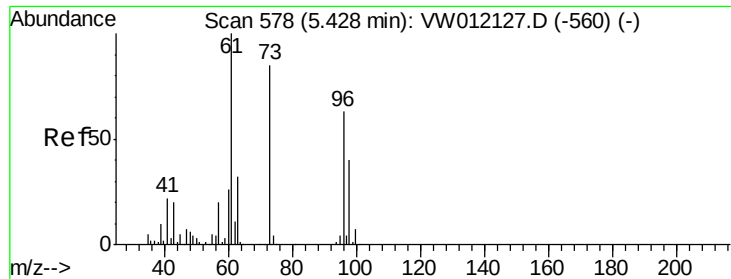
74 0.0 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

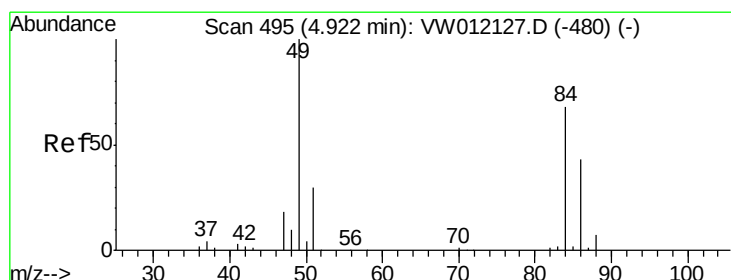
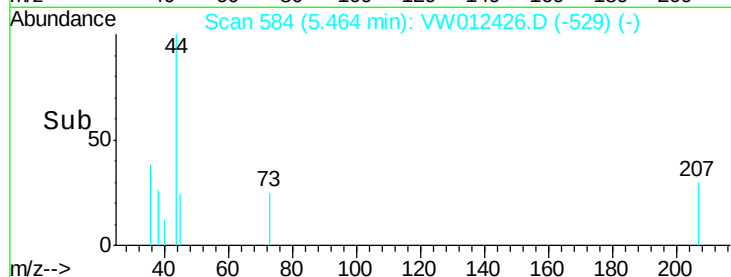
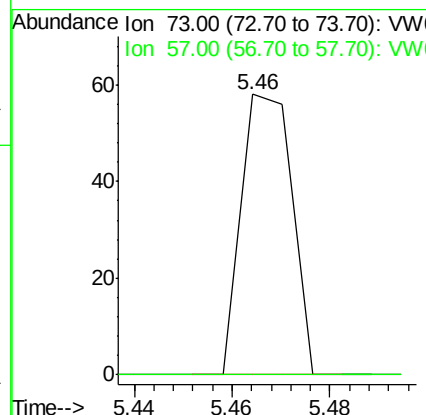
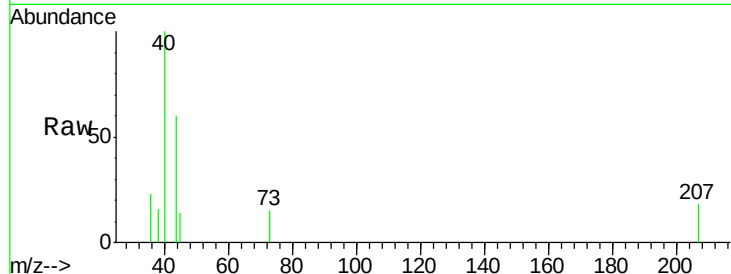




#19
Methyl tert-butyl Ether
Concen: 5.716 ug/l
RT: 5.46 min Scan# 584
Delta R.T. 0.04 min
Lab File: VW012426.D
Acq: 01 Sep 2019 04:05

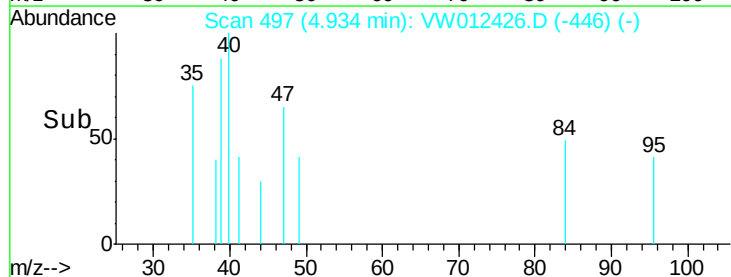
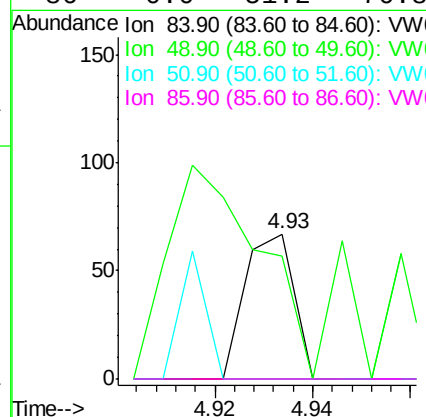
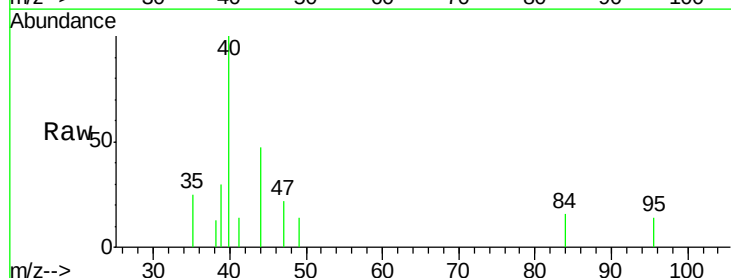
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B3-(0)

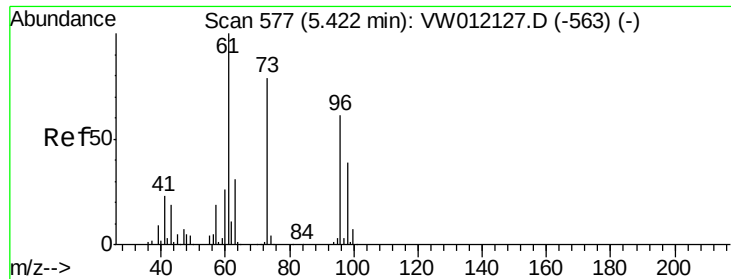
Tot Ion: 73 Resp: 42
Ion Ratio Lower Upper
73 100
57 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: 8.840 ug/l
RT: 4.93 min Scan# 497
Delta R.T. 0.01 min
Lab File: VW012426.D
Acq: 01 Sep 2019 04:05

Tgt Ion: 84 Resp: 46
Ion Ratio Lower Upper
84 100
49 0.0 117.8 176.8#
51 0.0 35.6 53.4#
86 0.0 51.2 76.8#





#21

trans-1,2-Dichloroethene

Concen: 4.515 ug/l

RT: 5.50 min Scan# 590

Delta R.T. 0.08 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

T1-S-B3-(0)

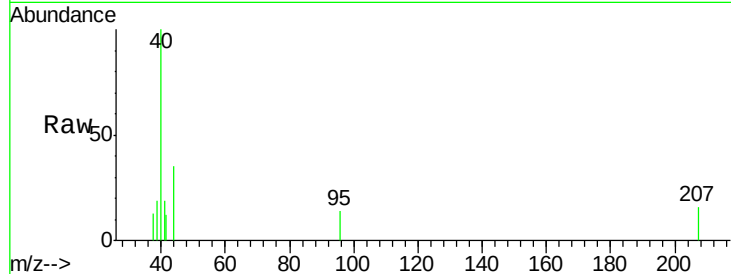
Tot Ion: 96 Resp: 22

Ion Ratio Lower Upper

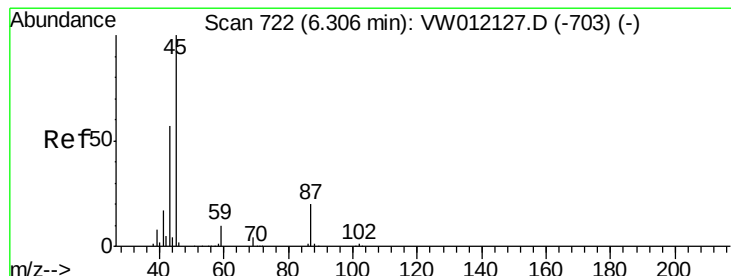
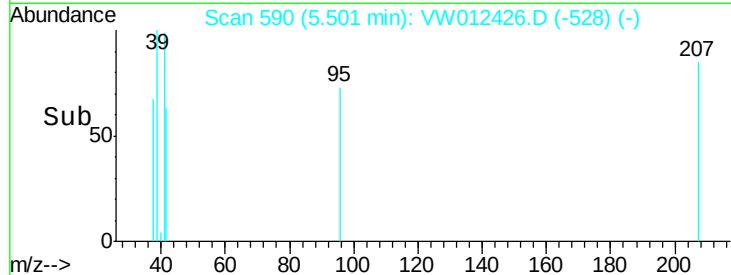
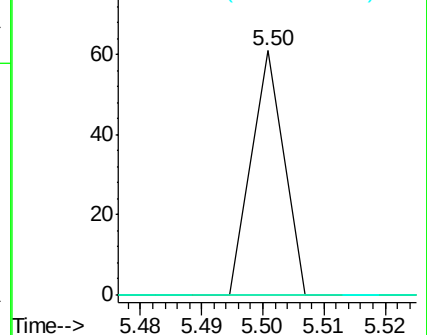
96 100

61 0.0 131.4 197.0#

98 0.0 51.4 77.0#



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



#22

Diisopropyl ether

Concen: 1.055 ug/l

RT: 6.34 min Scan# 728

Delta R.T. 0.04 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Tgt Ion: 45 Resp: 19

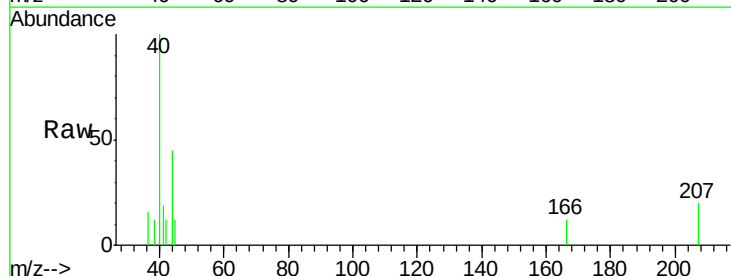
Ion Ratio Lower Upper

45 100

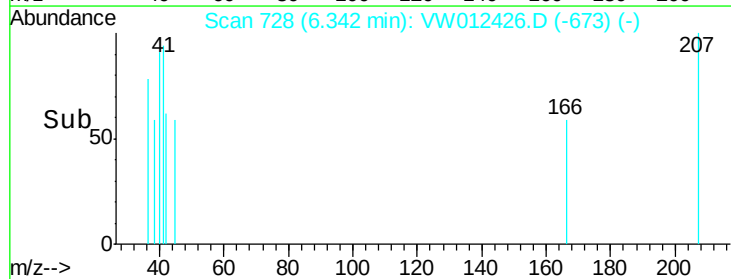
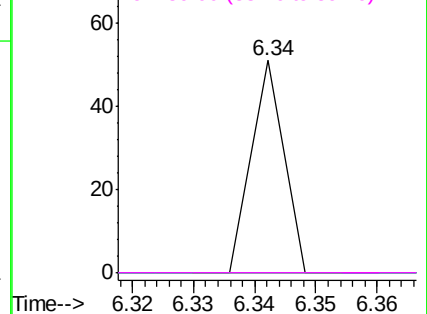
43 0.0 45.5 68.3#

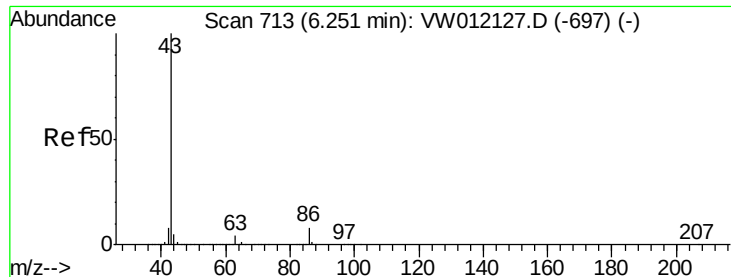
87 0.0 16.1 24.1#

59 0.0 8.2 12.2#



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





#23

Vinyl Acetate

Concen: 15.973 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

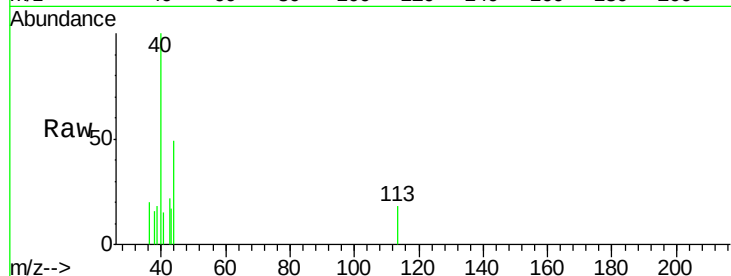
T1-S-B3-(0)

Tot Ion: 43 Resp: 177

Ion Ratio Lower Upper

43 100

86 0.0 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

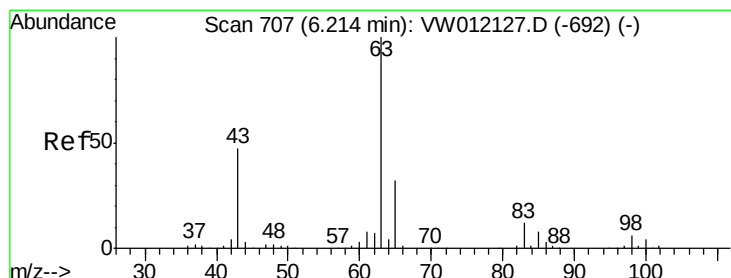
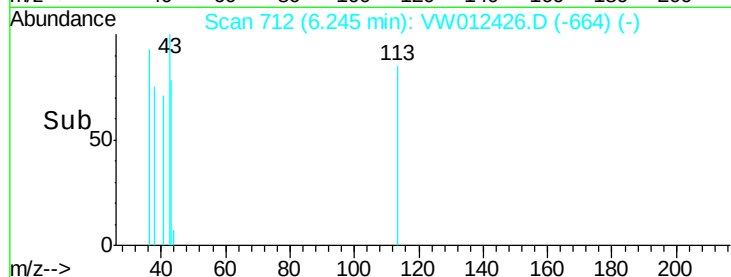
150

100

50

0

Time-->



#24

1,1-Dichloroethane

Concen: 2.244 ug/l

RT: 6.09 min Scan# 686

Delta R.T. -0.13 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

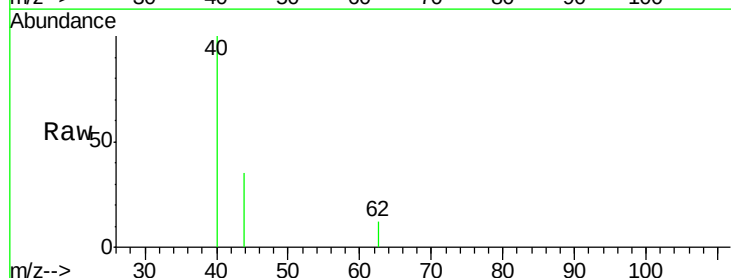
Tgt Ion: 63 Resp: 22

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.2#

100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

80

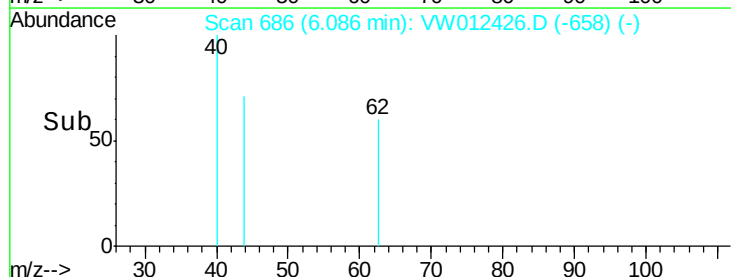
60

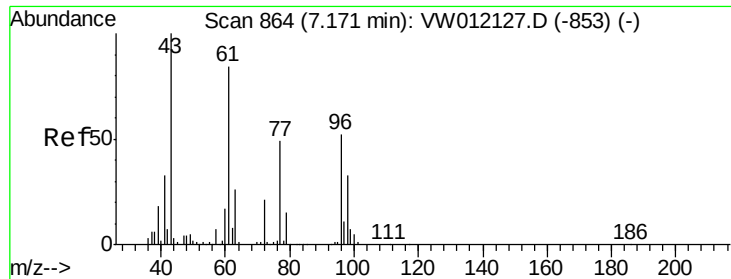
40

20

0

Time-->





#25

2-Butanone

Concen: 52.391 ug/l

RT: 7.08 min Scan# 849

Delta R.T. -0.09 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

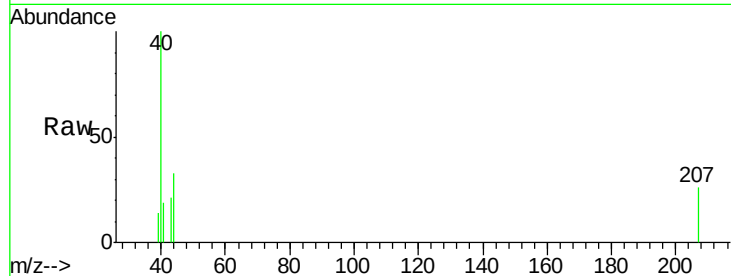
T1-S-B3-(0)

Tot Ion: 43 Resp: 98

Ion Ratio Lower Upper

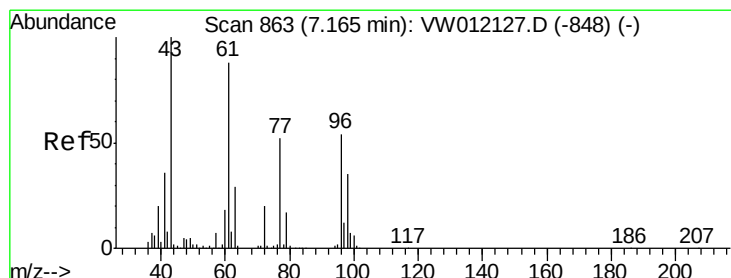
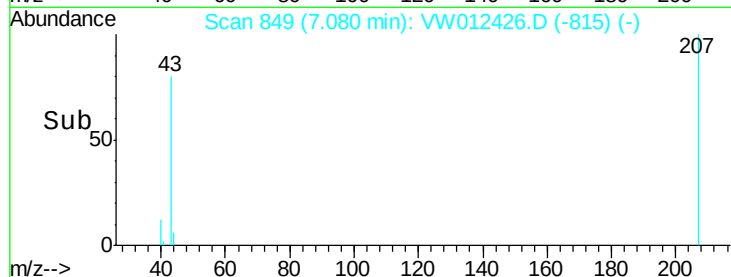
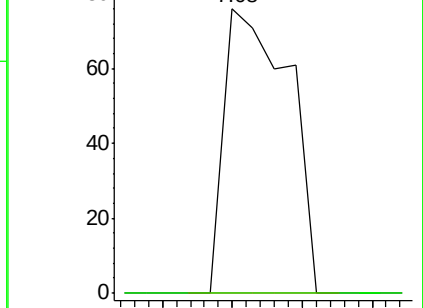
43 100

72 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 5.587 ug/l

RT: 7.04 min Scan# 843

Delta R.T. -0.12 min

Lab File: VW012426.D

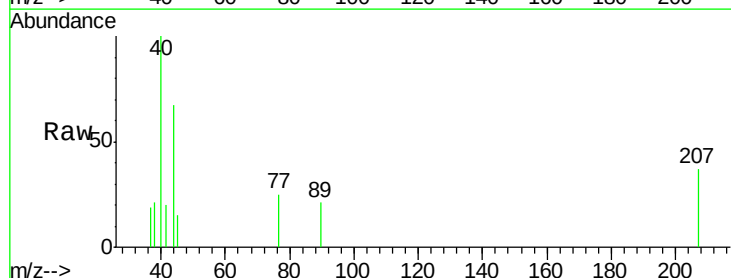
Acq: 01 Sep 2019 04:05

Tgt Ion: 77 Resp: 31

Ion Ratio Lower Upper

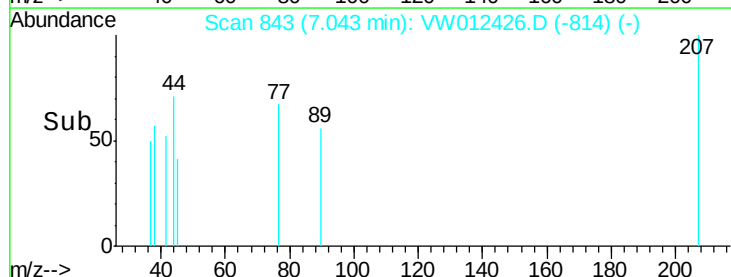
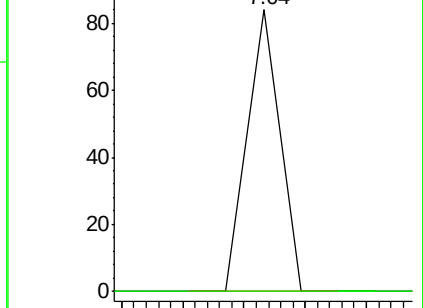
77 100

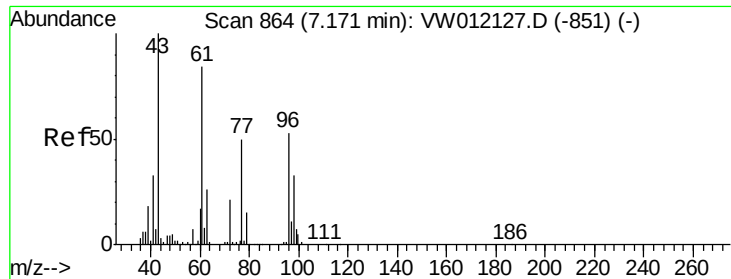
97 0.0 11.1 33.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



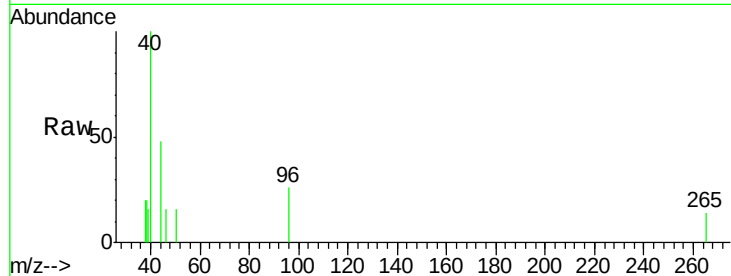


#27

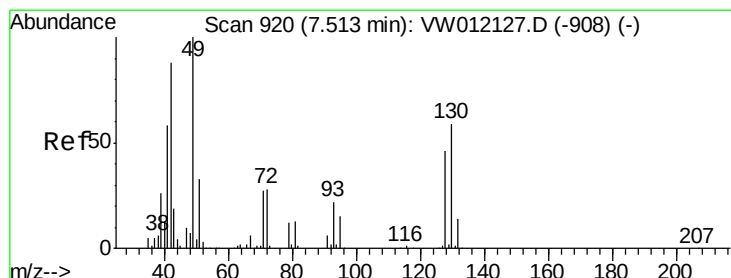
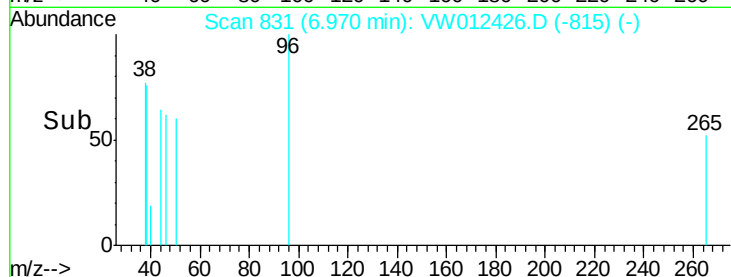
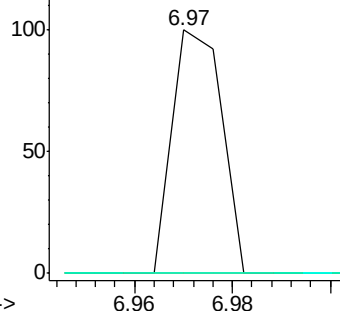
cis-1,2-Dichloroethene
Concen: 13.446 ug/l
RT: 6.97 min Scan# 831
Delta R.T. -0.20 min
Lab File: VW012426.D
Acq: 01 Sep 2019 04:05

Instrument :
MSVOA_W
ClientSampled :
T1-S-B3-(0)

Tot Ion	96	Resp	70
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	326.6
98	0.0	0.0	127.4



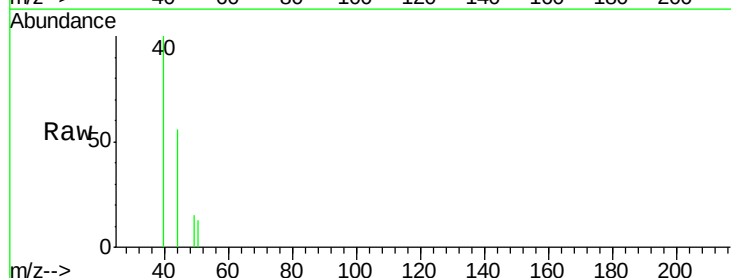
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



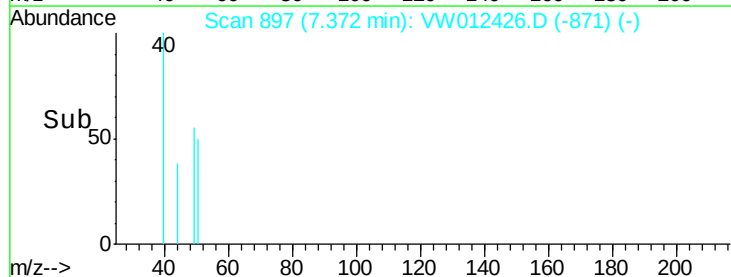
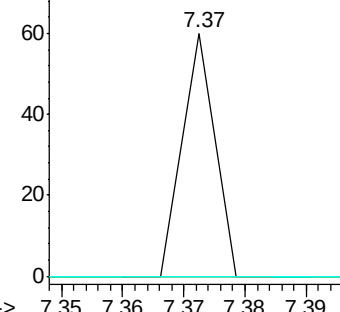
#28

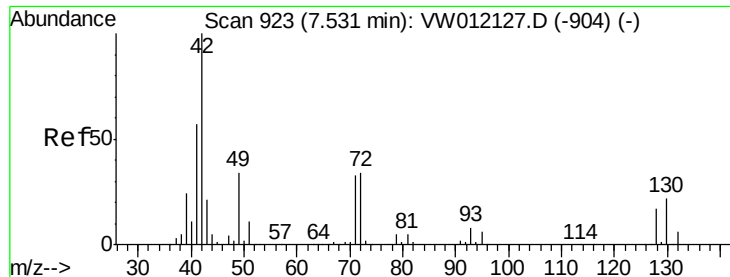
Bromochloromethane
Concen: 5.149 ug/l
RT: 7.37 min Scan# 897
Delta R.T. -0.14 min
Lab File: VW012426.D
Acq: 01 Sep 2019 04:05

Tgt Ion	49	Resp	22
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.4
130	0.0	45.5	68.3#



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

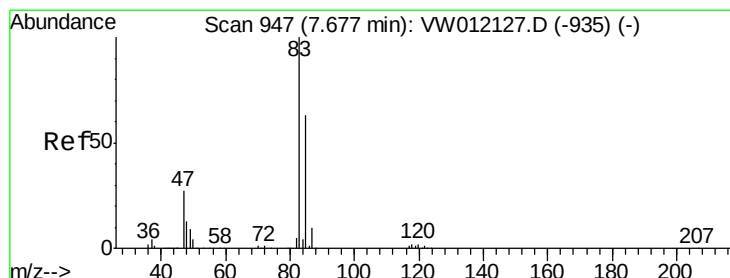
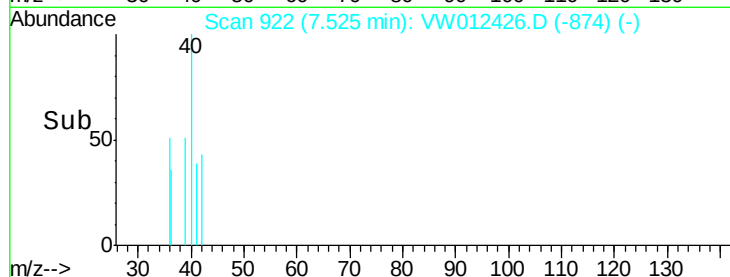
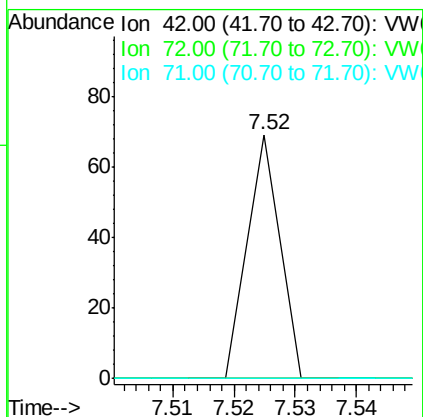
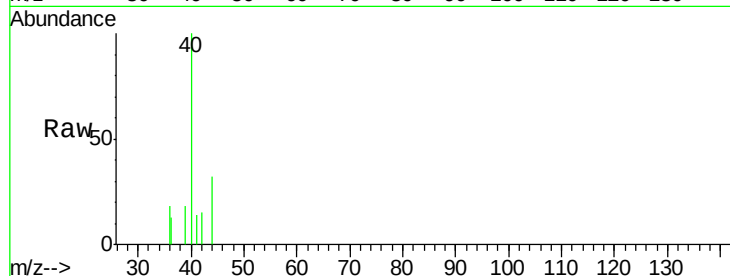




#29
Tetrahydrofuran
Concen: 22.277 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012426.D
Acq: 01 Sep 2019 04:05

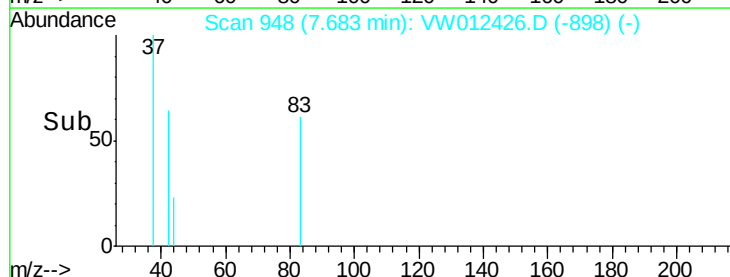
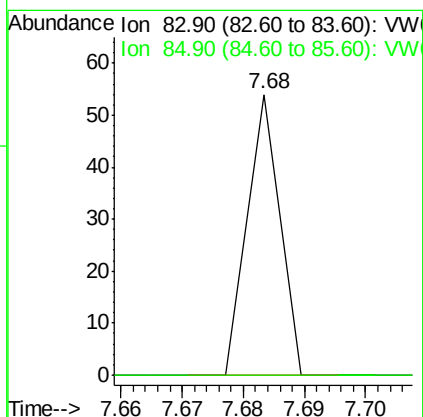
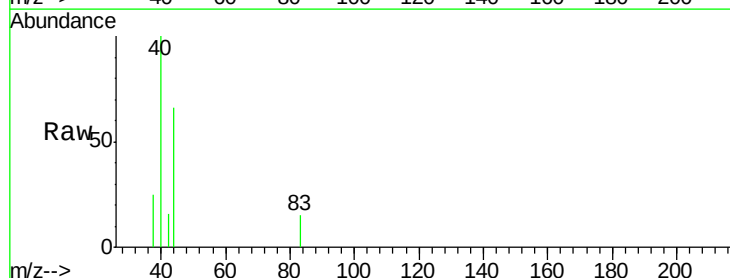
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B3-(0)

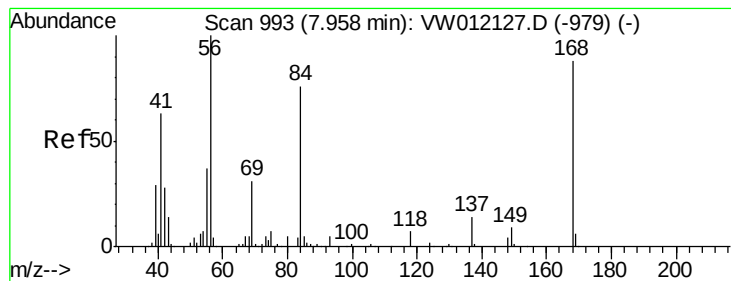
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.3	40.9#
71	0.0	25.5	38.3#



#30
Chloroform
Concen: 2.230 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW012426.D
Acq: 01 Sep 2019 04:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.6	76.0#





#31

Cyclohexane

Concen: 2.268 ug/l

RT: 7.98 min Scan# 997

Delta R.T. 0.02 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B3-(0)

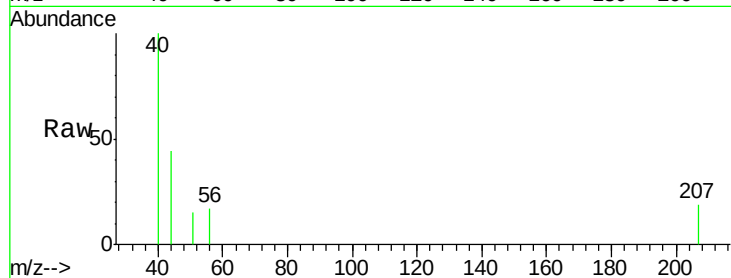
Tot Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

69 0.0 24.9 37.3#

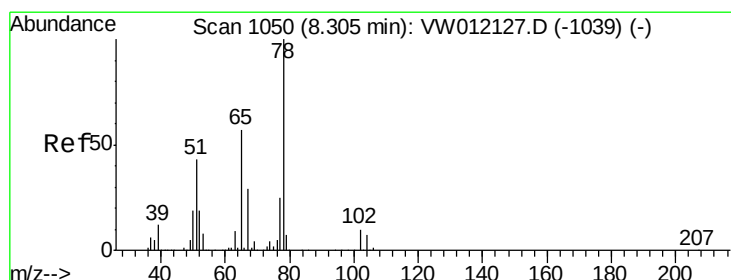
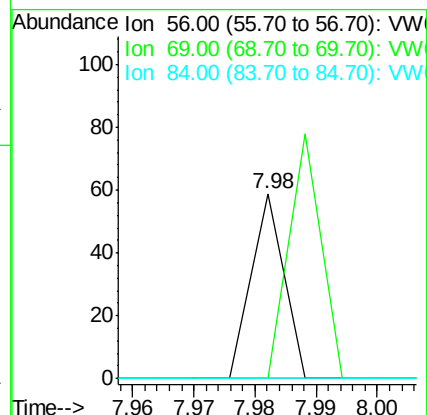
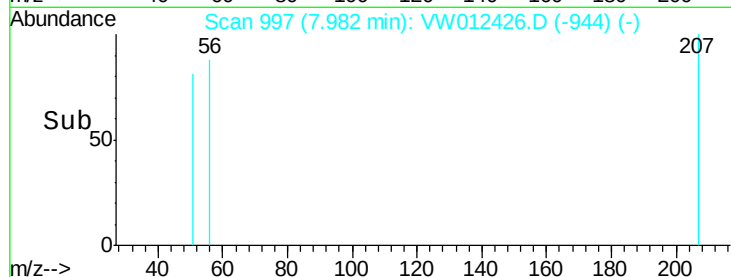
84 0.0 60.6 90.8#



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



#33

1,2-Dichloroethane-d4

Concen: 76.137 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW012426.D

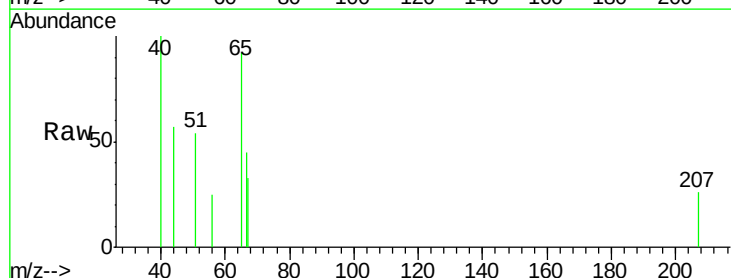
Acq: 01 Sep 2019 04:05

Tgt Ion: 65 Resp: 410

Ion Ratio Lower Upper

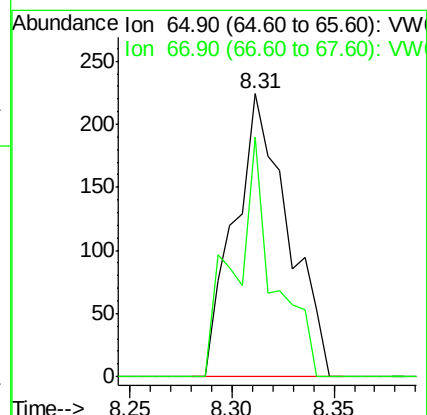
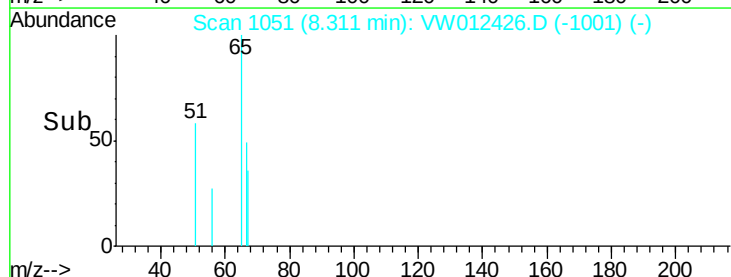
65 100

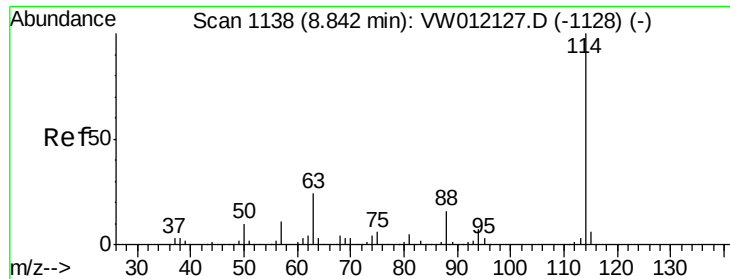
67 61.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

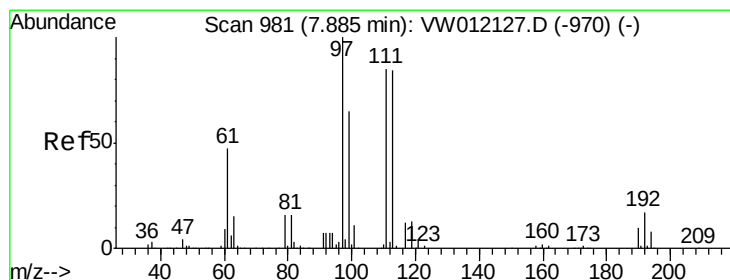
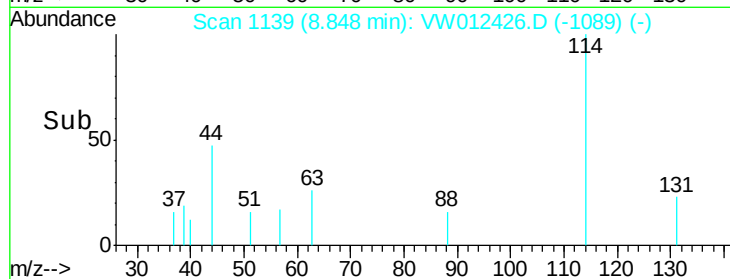
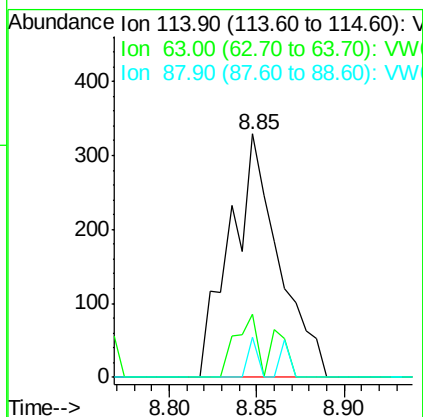
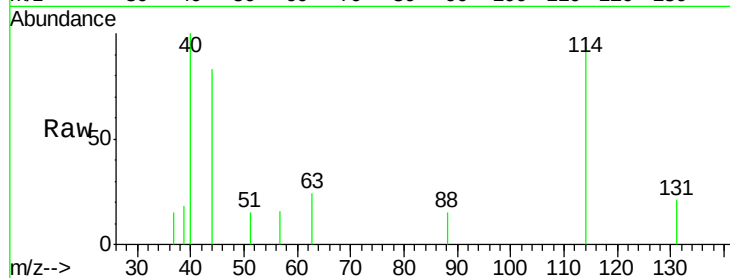




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW012426.D
 Acq: 01 Sep 2019 04:05

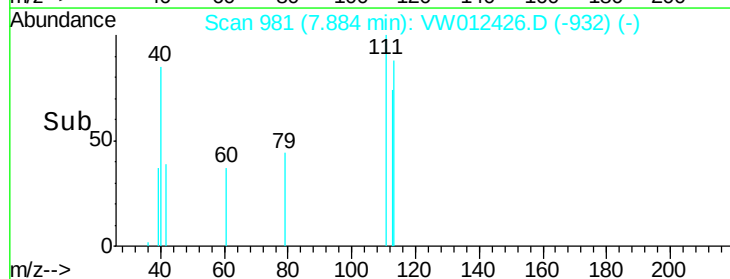
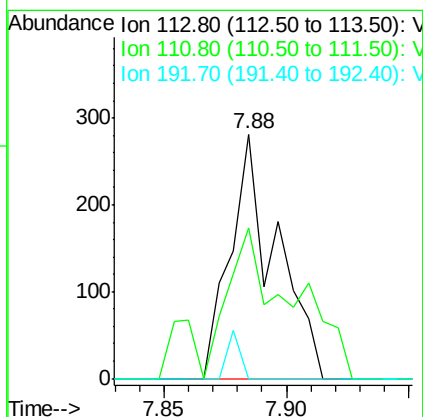
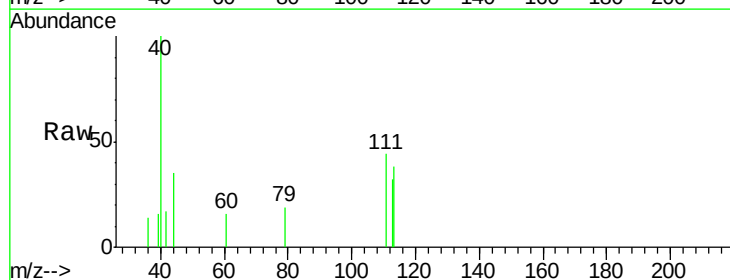
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B3-(0)

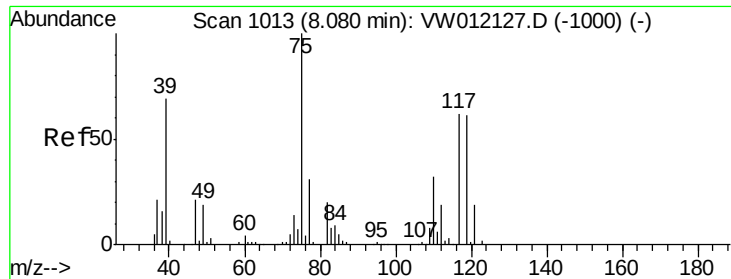
Tot Ion:114 Resp: 633
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 48.6
 88 16.4 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 96.072 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012426.D
 Acq: 01 Sep 2019 04:05

Tgt Ion:113 Resp: 363
 Ion Ratio Lower Upper
 113 100
 111 87.1 82.7 124.1
 192 5.5 16.2 24.2#





#36

1,1-Dichloropropene

Concen: 6.574 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

T1-S-B3-(0)

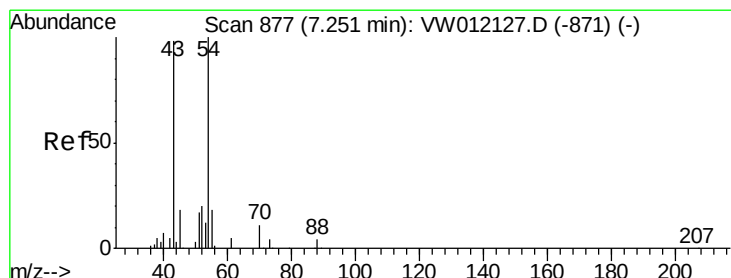
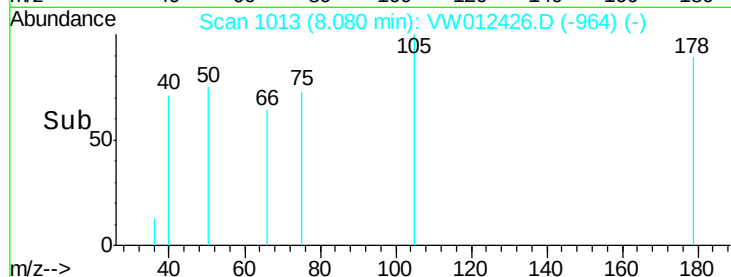
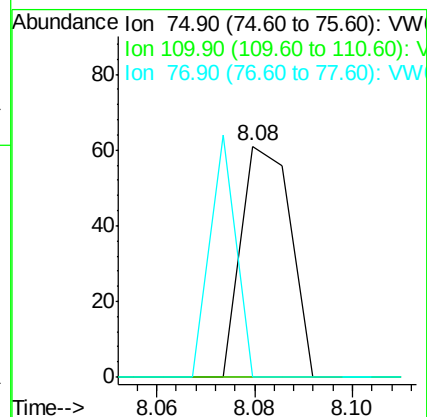
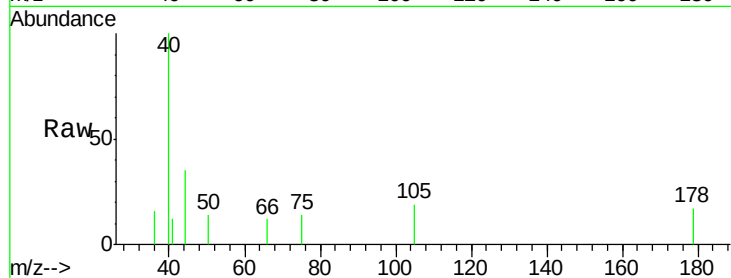
Tot Ion: 75 Resp: 43

Ion Ratio Lower Upper

75 100

110 0.0 15.6 46.8#

77 53.5 24.6 36.8#



#37

Ethyl Acetate

Concen: 5.580 ug/l

RT: 7.27 min Scan# 881

Delta R.T. 0.02 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

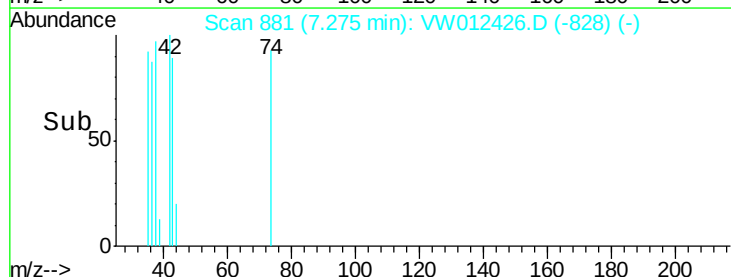
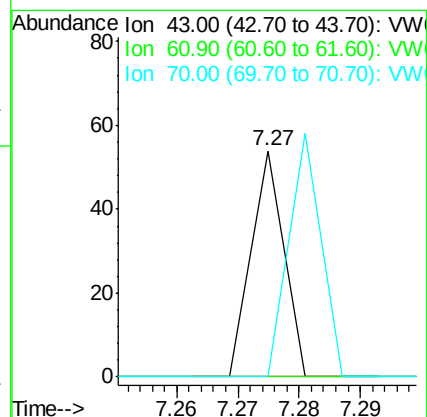
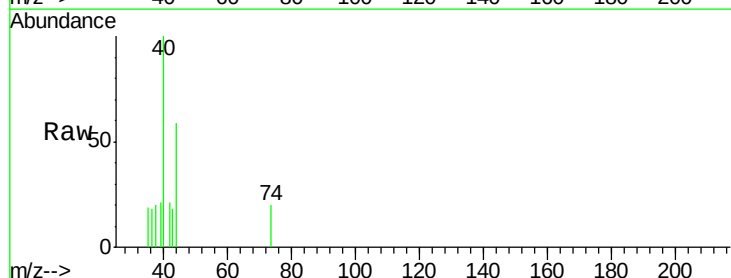
Tgt Ion: 43 Resp: 20

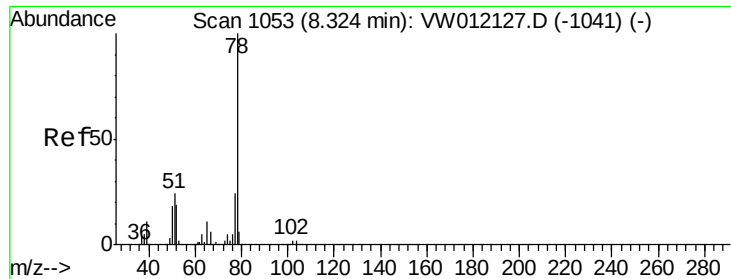
Ion Ratio Lower Upper

43 100

61 0.0 9.2 13.8#

70 105.0 6.9 10.3#





#40

Benzene

Concen: 1.456 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

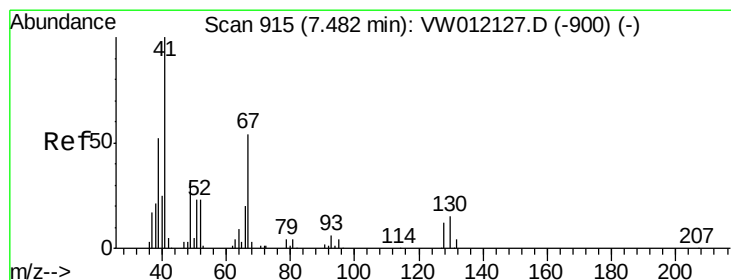
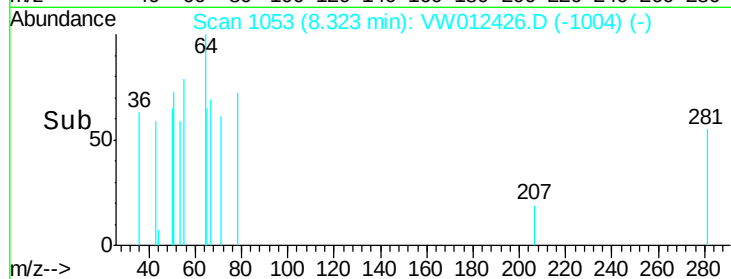
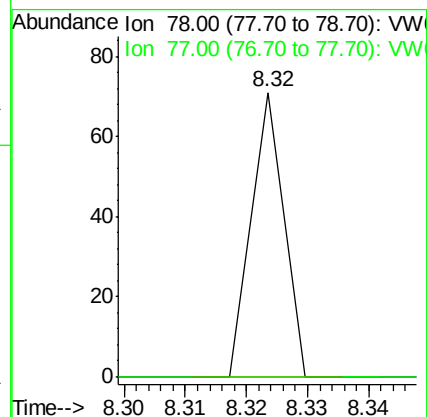
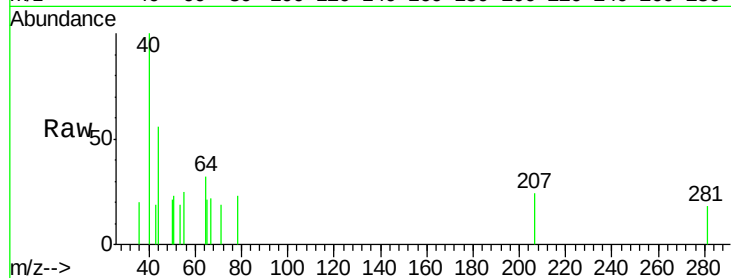
T1-S-B3-(0)

Tot Ion: 78 Resp: 26

Ion Ratio Lower Upper

78 100

77 0.0 19.5 29.3#



#41

Methacrylonitrile

Concen: 68.826 ug/l

RT: 7.46 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Tgt Ion: 41 Resp: 145

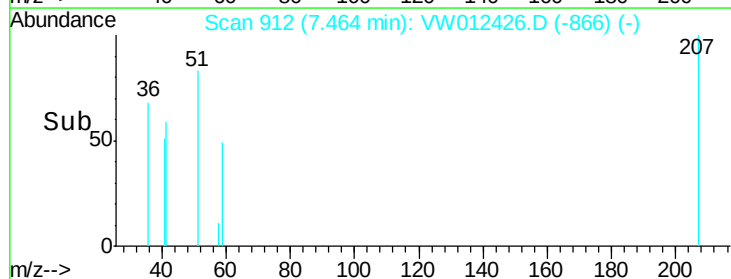
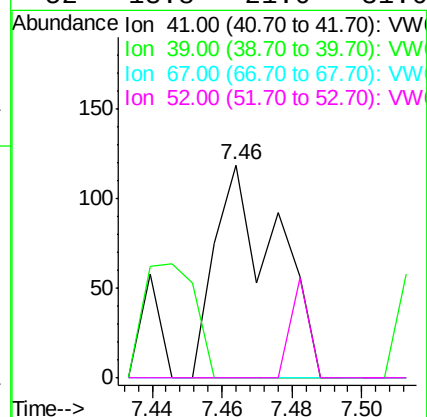
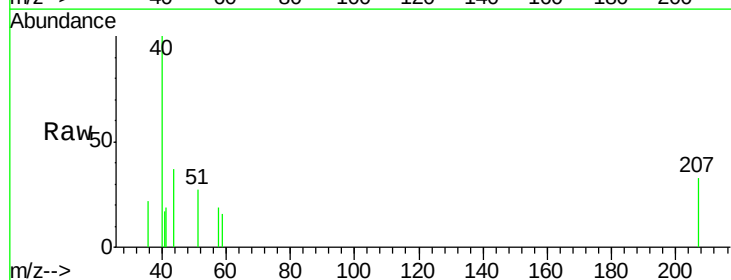
Ion Ratio Lower Upper

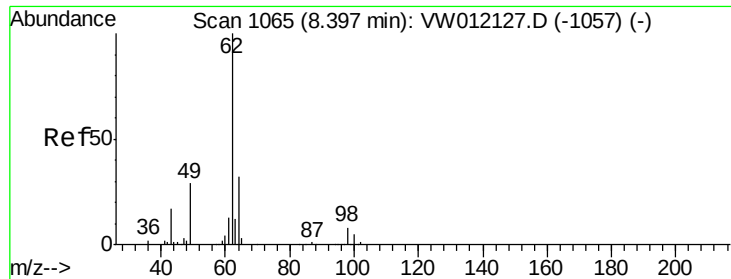
41 100

39 0.0 45.8 68.8#

67 0.0 46.2 69.4#

52 13.8 21.0 31.6#

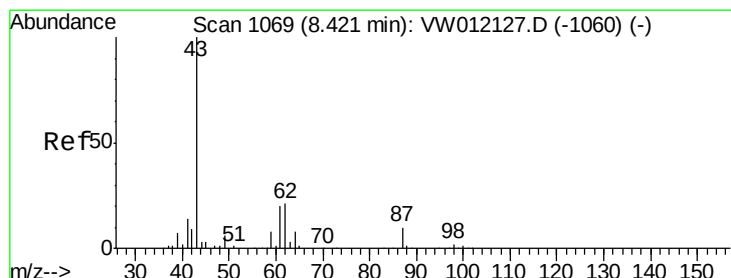
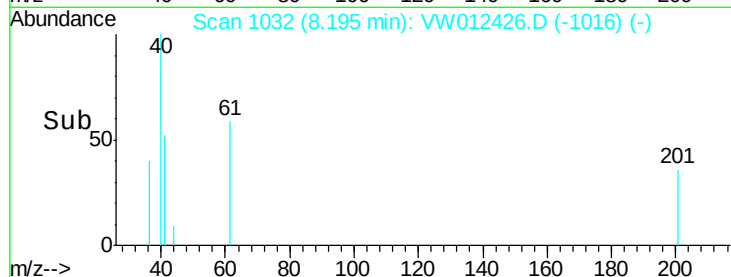
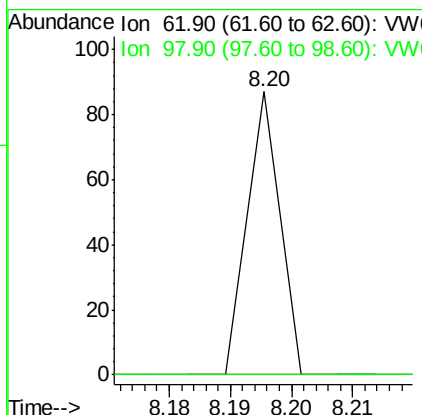
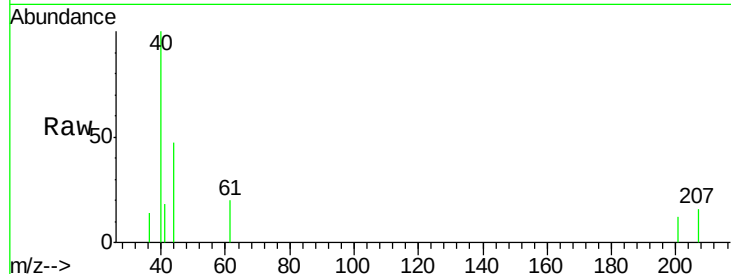




#42
 1,2-Dichloroethane
 Concen: 5.716 ug/l
 RT: 8.20 min Scan# 1032
 Delta R.T. -0.20 min
 Lab File: VW012426.D
 Acq: 01 Sep 2019 04:05

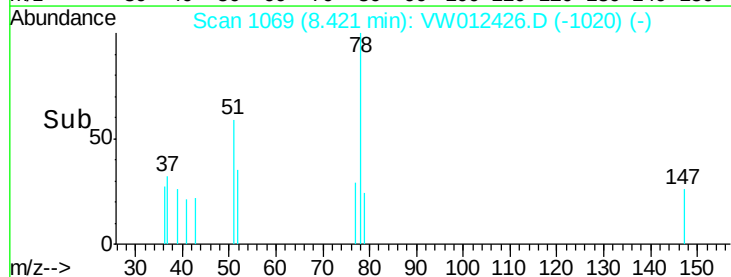
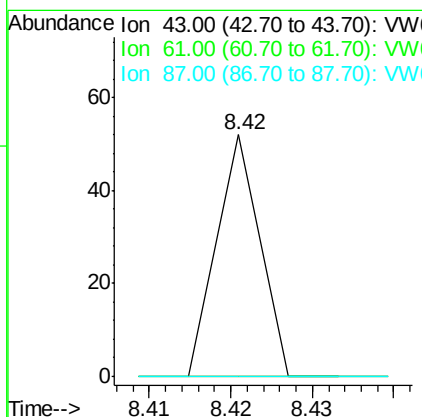
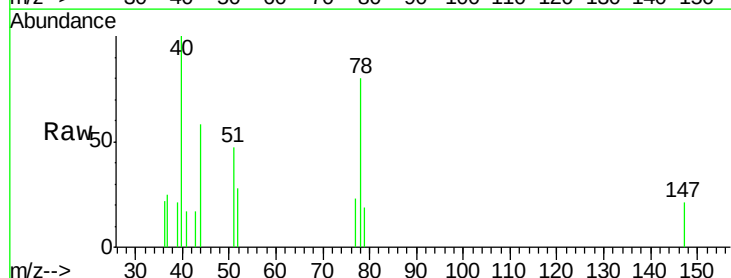
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B3-(0)

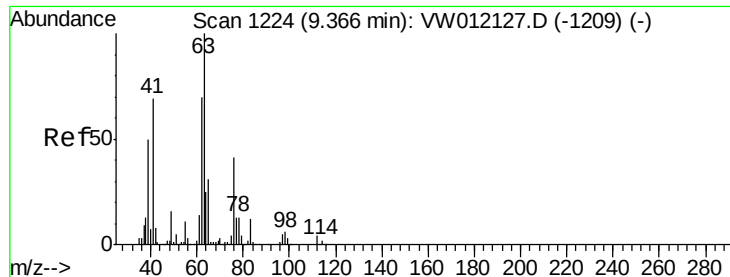
Tot Ion: 62 Resp: 32
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 16.6



#43
 Isopropyl Acetate
 Concen: 2.862 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW012426.D
 Acq: 01 Sep 2019 04:05

Tgt Ion: 43 Resp: 19
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.1 31.7#
 87 0.0 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 5.201 ug/l

RT: 9.55 min Scan# 1254

Delta R.T. 0.18 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

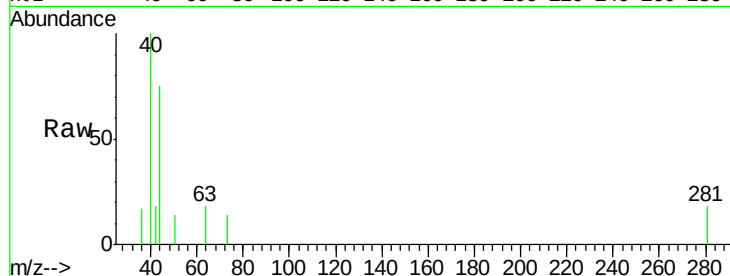
T1-S-B3-(0)

Tot Ion: 63 Resp: 25

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#

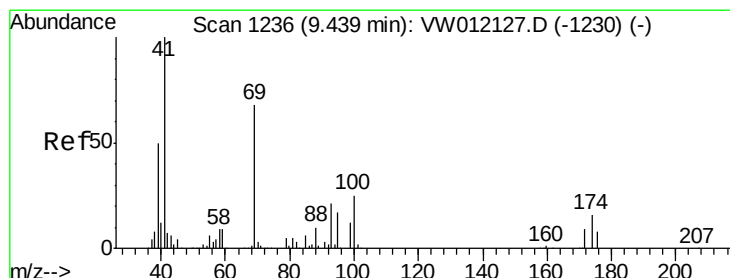
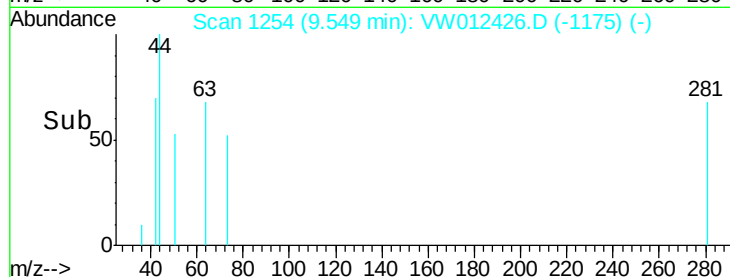


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.55

Time-->



#48

Methyl methacrylate

Concen: 34.808 ug/l

RT: 9.49 min Scan# 1245

Delta R.T. 0.05 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

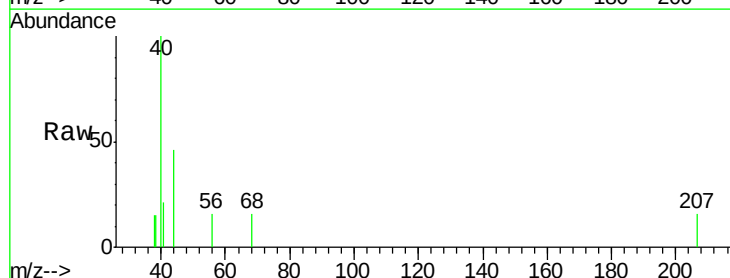
Tgt Ion: 41 Resp: 110

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 44.5 42.0 63.0



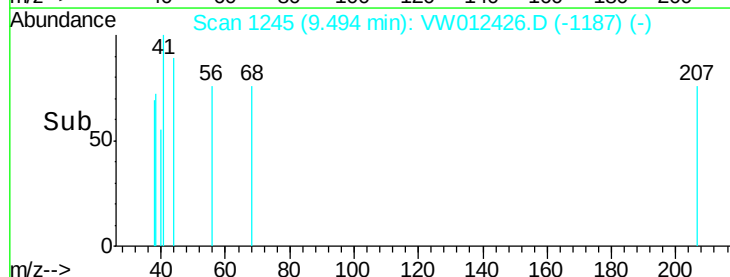
Abundance Ion 41.00 (40.70 to 41.70): VW

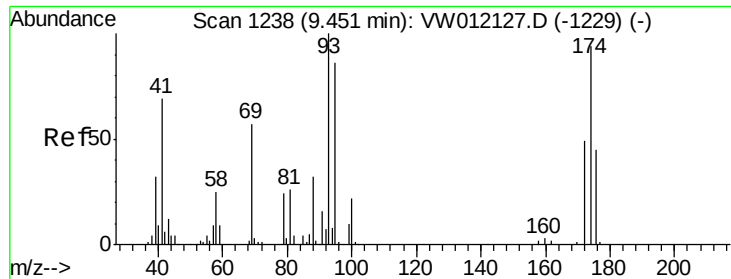
Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

9.49

Time-->





#49

1,4-Dioxane

Concen: 671.904 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

T1-S-B3-(0)

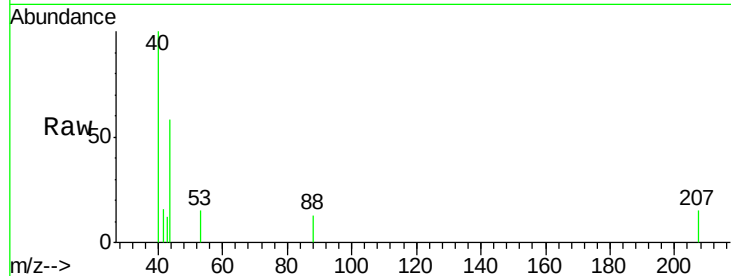
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 340.9 32.9 49.3#

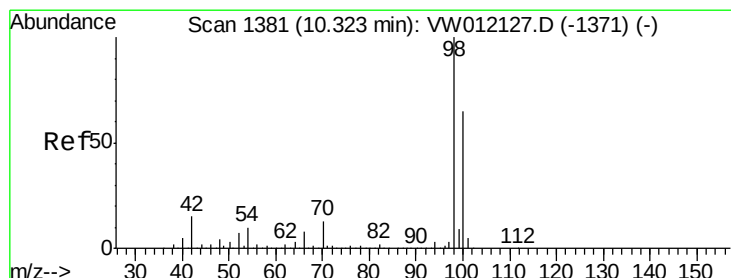
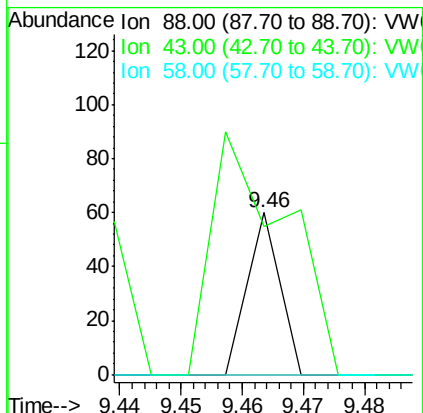
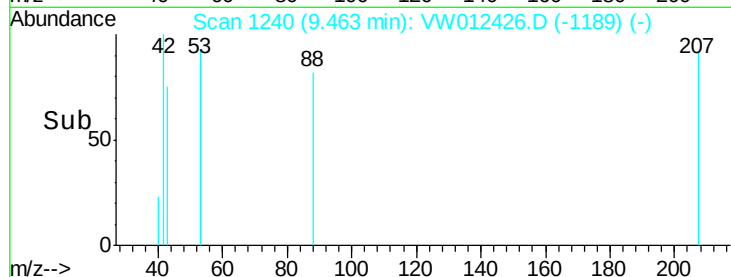
58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 21.148 ug/l

RT: 10.34 min Scan# 1384

Delta R.T. 0.02 min

Lab File: VW012426.D

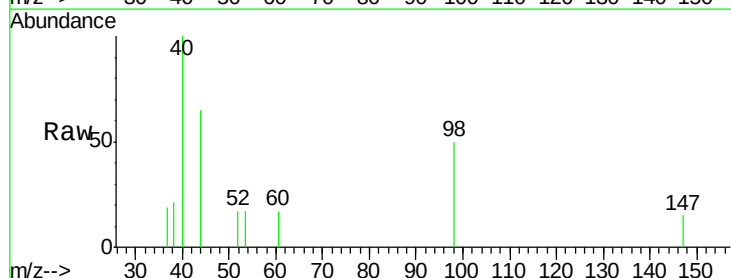
Acq: 01 Sep 2019 04:05

Tgt Ion: 98 Resp: 324

Ion Ratio Lower Upper

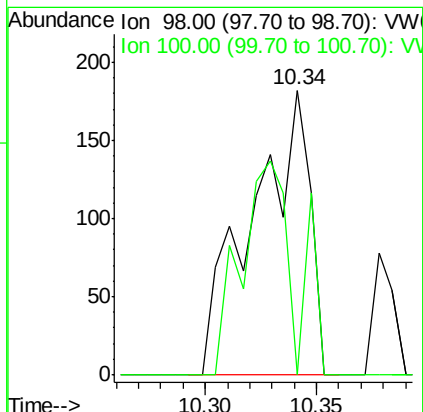
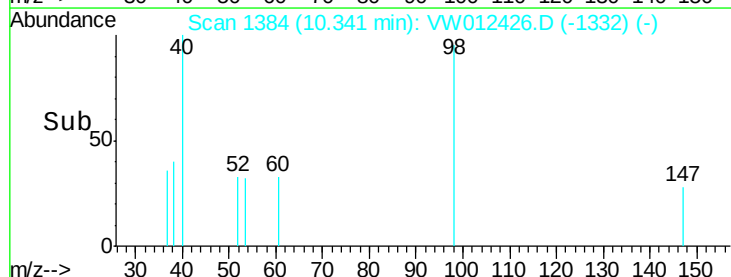
98 100

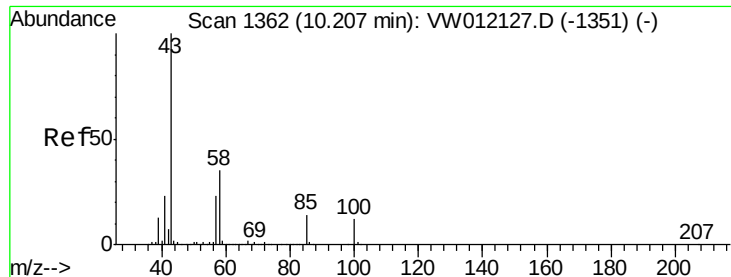
100 71.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 36.125 ug/l

RT: 10.27 min Scan# 1373

Delta R.T. 0.07 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

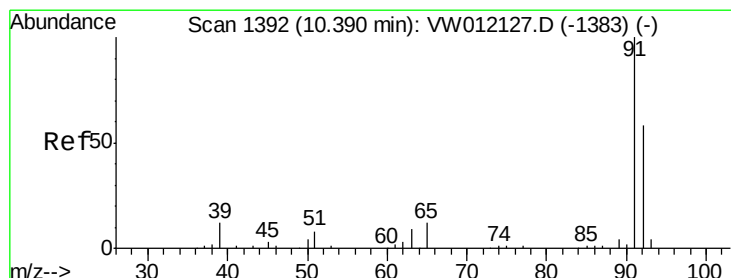
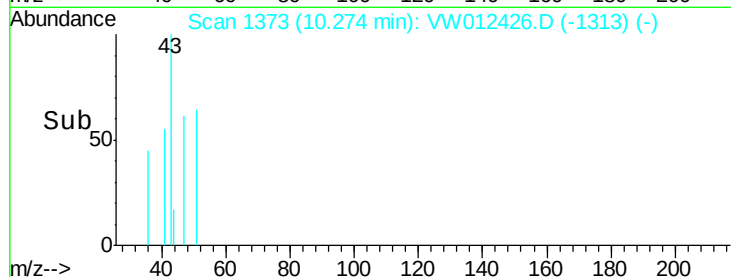
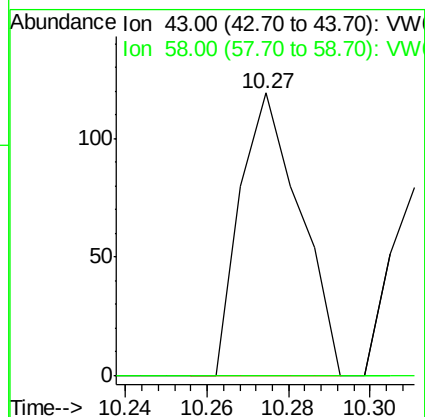
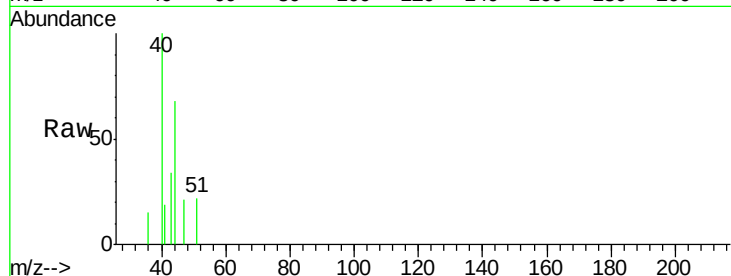
T1-S-B3-(0)

Tot Ion: 43 Resp: 122

Ion Ratio Lower Upper

43 100

58 0.0 28.2 42.2#



#52

Toluene

Concen: 2.050 ug/l

RT: 10.44 min Scan# 1401

Delta R.T. 0.05 min

Lab File: VW012426.D

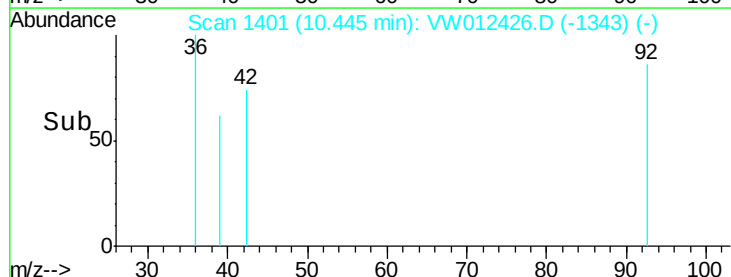
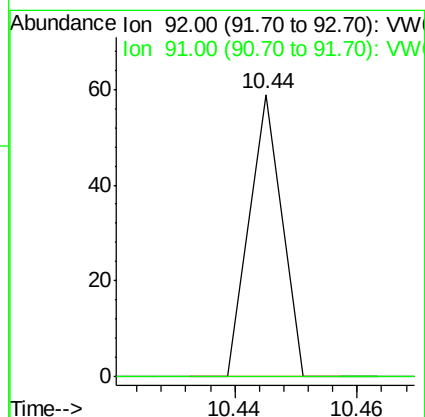
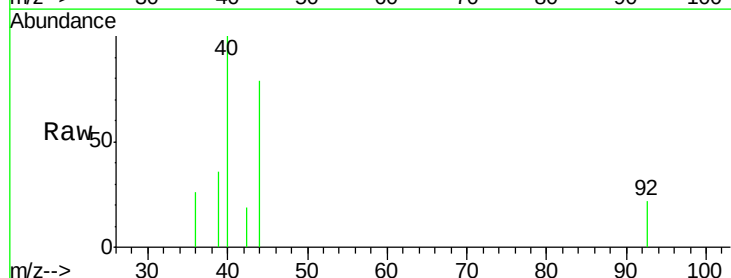
Acq: 01 Sep 2019 04:05

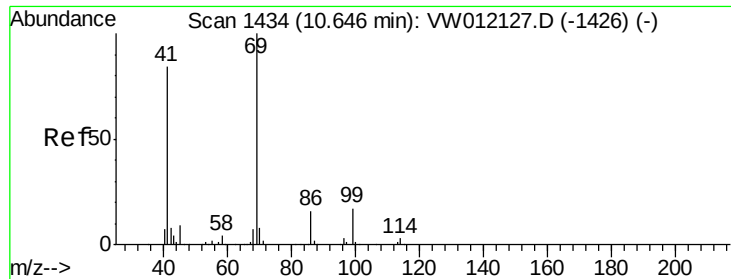
Tgt Ion: 92 Resp: 22

Ion Ratio Lower Upper

92 100

91 0.0 136.6 204.8#





#56

Ethyl methacrylate

Concen: 5.222 ug/l

RT: 10.59 min Scan# 1425

Delta R.T. -0.05 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

T1-S-B3-(0)

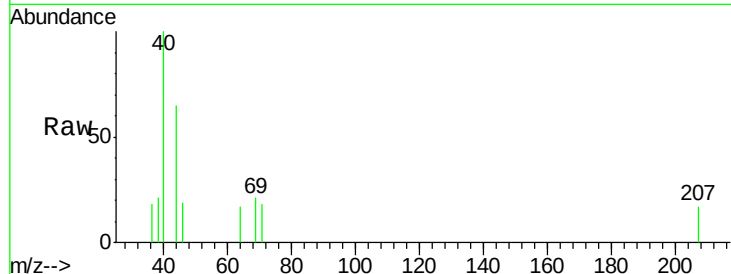
Tot Ion: 69 Resp: 23

Ion Ratio Lower Upper

69 100

41 0.0 66.5 99.7#

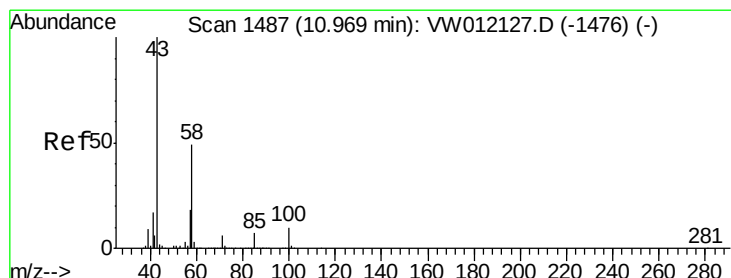
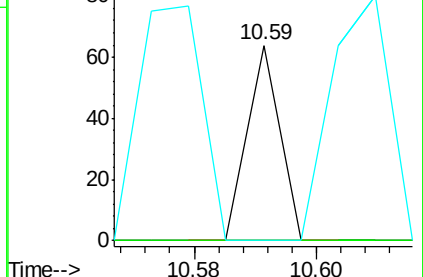
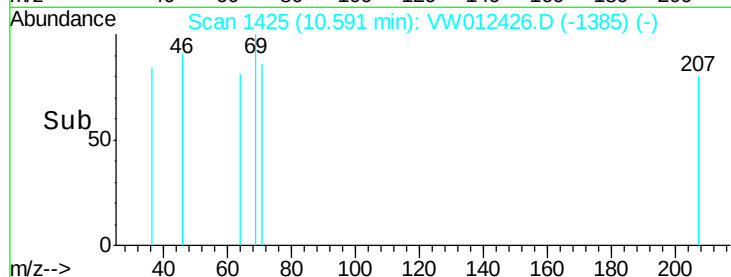
39 243.5 31.0 46.4#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#59

2-Hexanone

Concen: 10.881 ug/l

RT: 11.01 min Scan# 1494

Delta R.T. 0.04 min

Lab File: VW012426.D

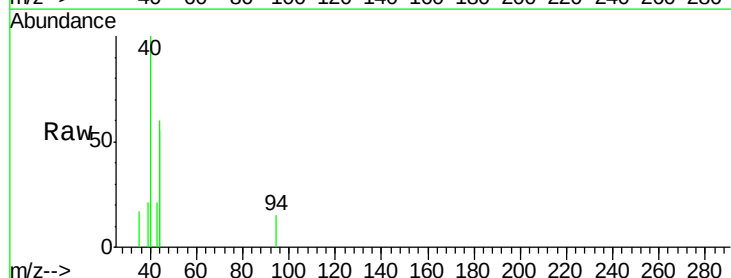
Acq: 01 Sep 2019 04:05

Tgt Ion: 43 Resp: 26

Ion Ratio Lower Upper

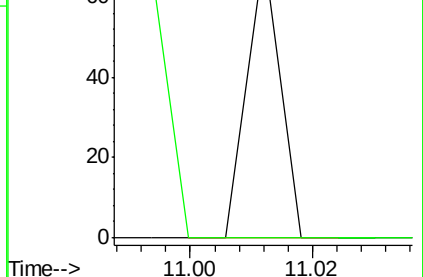
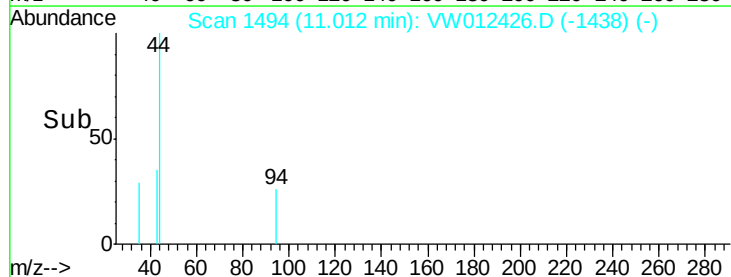
43 100

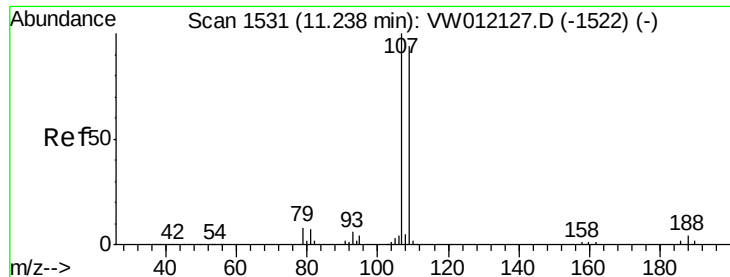
58 188.5 24.3 72.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#61

1,2-Dibromoethane

Concen: 6.739 ug/l

RT: 11.16 min Scan# 1519

Delta R.T. -0.07 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

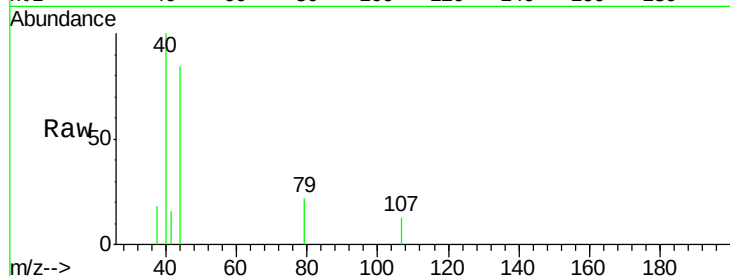
T1-S-B3-(0)

Tot Ion: 107 Resp: 19

Ion Ratio Lower Upper

107 100

109 0.0 75.4 113.2#

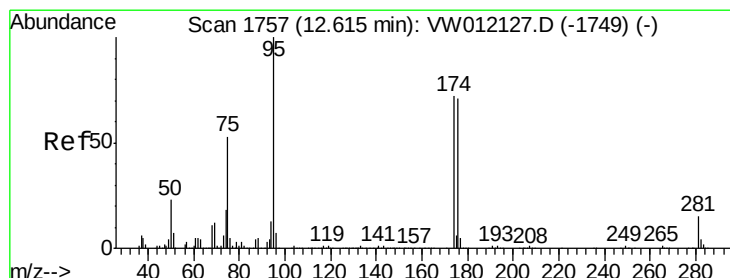
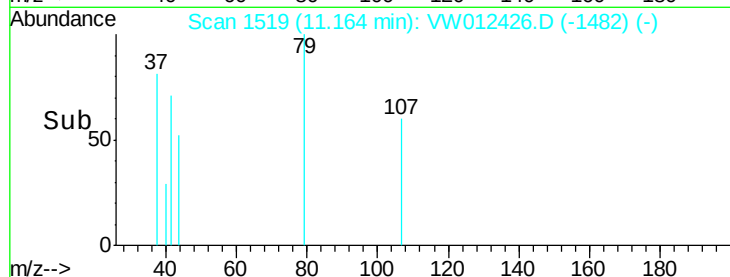


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.16

Time--> 11.14 11.16 11.18



#62

4-Bromofluorobenzene

Concen: 4.444 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

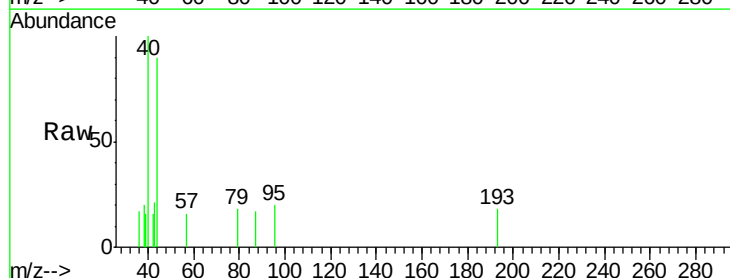
Tgt Ion: 95 Resp: 24

Ion Ratio Lower Upper

95 100

174 0.0 0.0 150.8

176 0.0 0.0 148.6



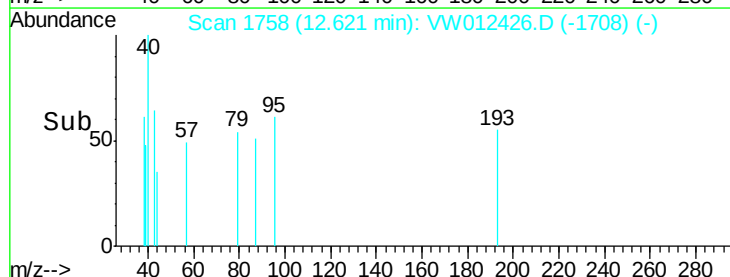
Abundance Ion 94.90 (94.60 to 95.60): VW

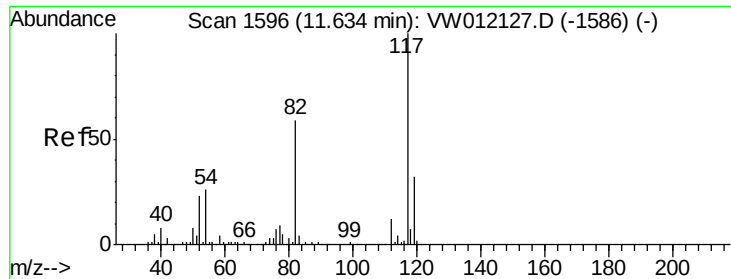
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

Time--> 12.61 12.62 12.63

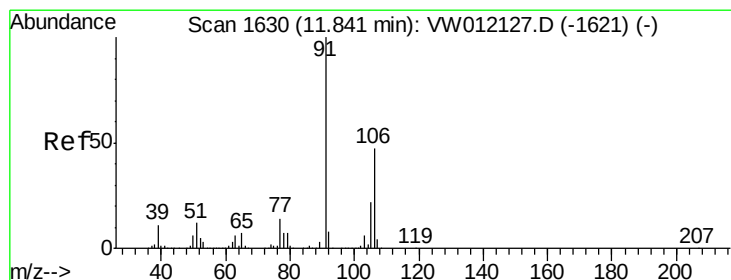
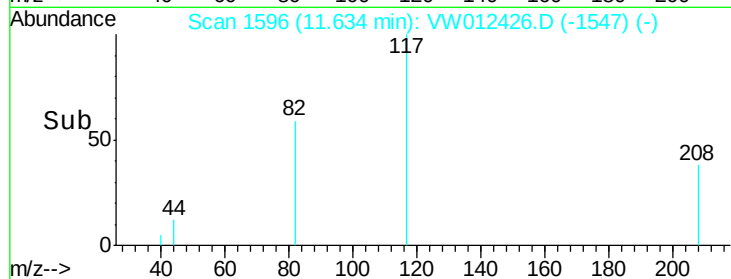
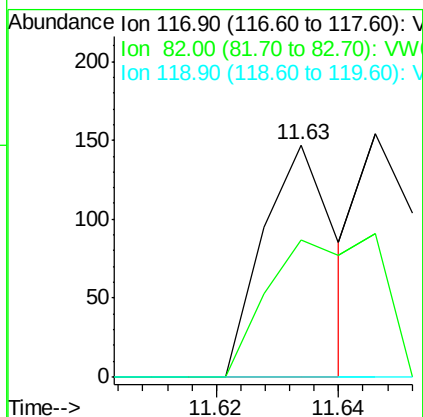
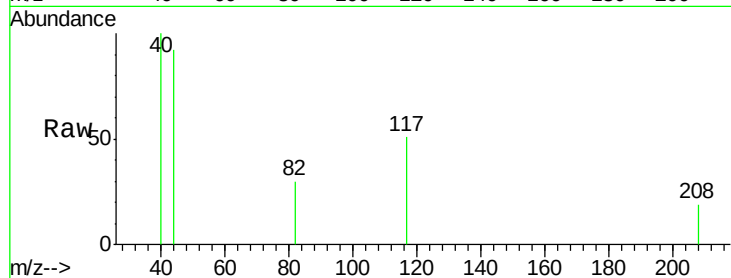




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012426.D
Acq: 01 Sep 2019 04:05

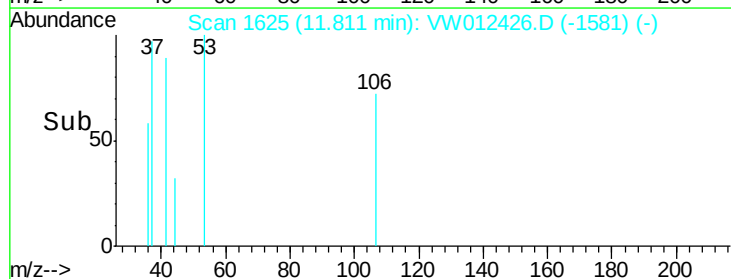
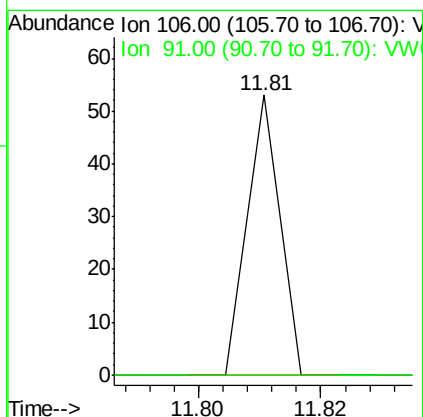
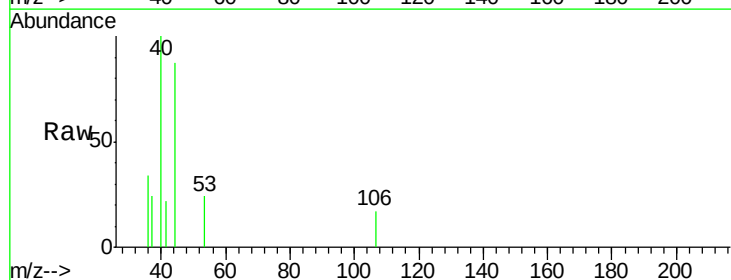
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B3-(0)

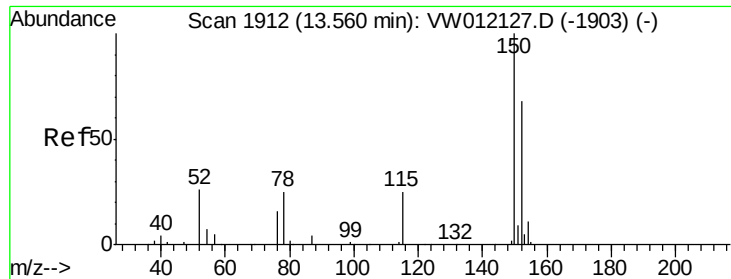
Tot Ion:117 Resp: 120
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 0.0 25.4 38.2#



#68
m/p-Xylenes
Concen: 11.588 ug/l
RT: 11.81 min Scan# 1625
Delta R.T. -0.03 min
Lab File: VW012426.D
Acq: 01 Sep 2019 04:05

Tgt Ion:106 Resp: 19
Ion Ratio Lower Upper
106 100
91 0.0 169.5 254.3#



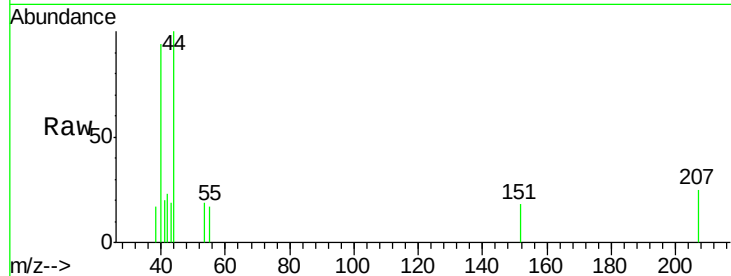


#72

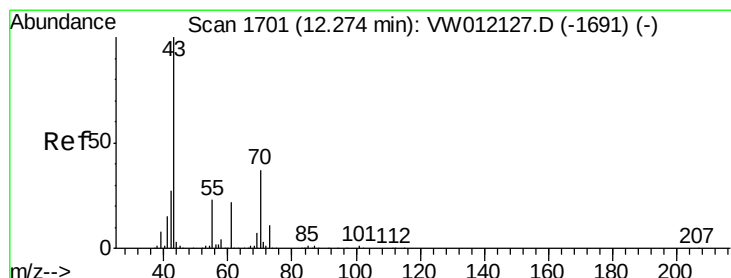
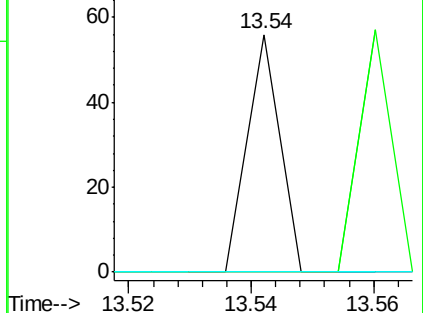
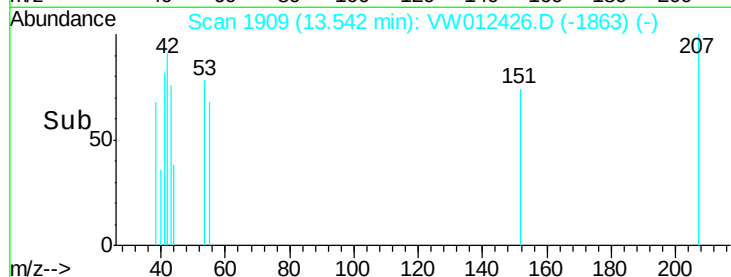
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.54 min Scan# 1909
Delta R.T. -0.02 min
Lab File: VW012426.D
Acq: 01 Sep 2019 04:05

Instrument :
MSVOA_W
ClientSampleId :
T1-S-B3-(0)

Tot Ion	Ratio	Lower	Upper
152	100		
115	105.0	30.1	90.3#
150	0.0	0.0	345.8



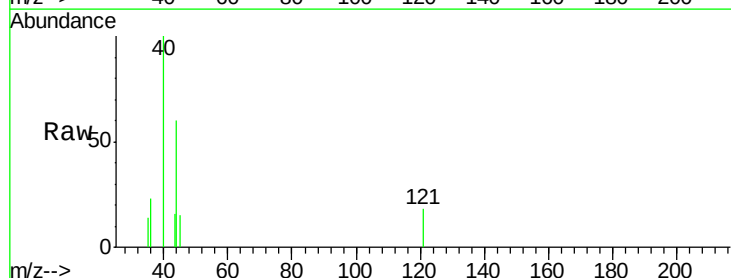
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



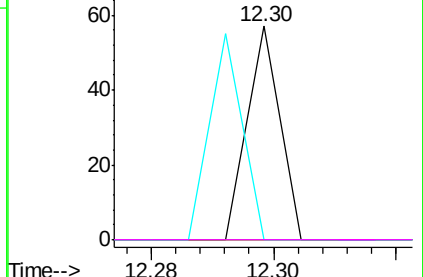
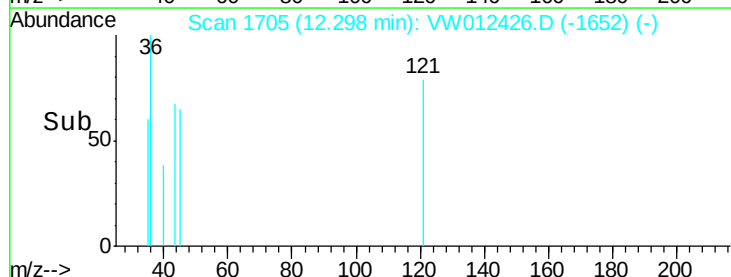
#74

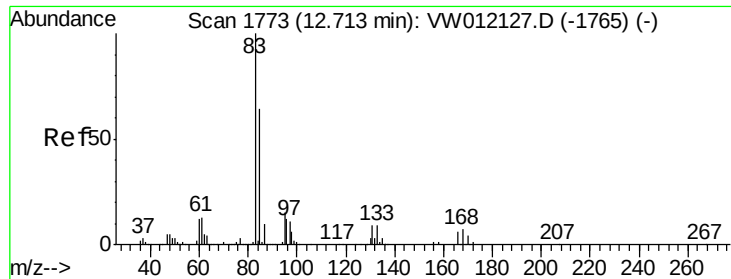
N-ethyl acetate
Concen: 46.380 ug/l
RT: 12.30 min Scan# 1705
Delta R.T. 0.02 min
Lab File: VW012426.D
Acq: 01 Sep 2019 04:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.6	43.0#
55	95.2	17.8	26.6#
61	0.0	17.3	25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 87.354 ug/l

RT: 12.53 min Scan# 1743

Delta R.T. -0.18 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

T1-S-B3-(0)

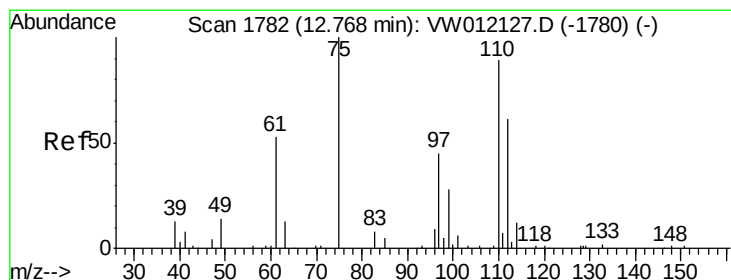
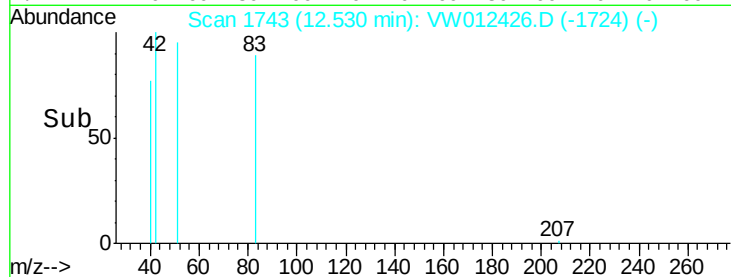
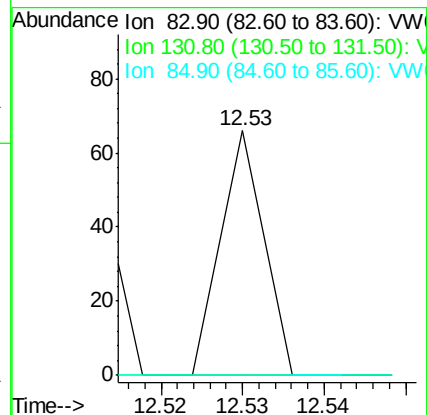
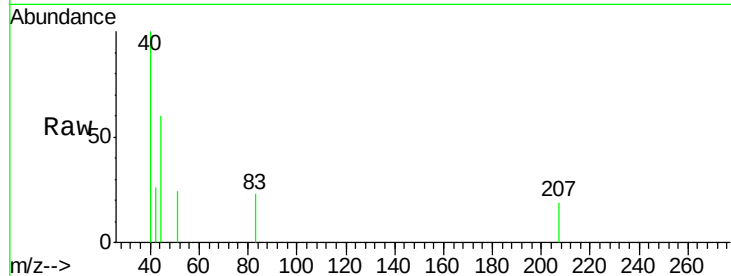
Tot Ion: 83 Resp: 24

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 164.283 ug/l

RT: 12.63 min Scan# 1760

Delta R.T. -0.13 min

Lab File: VW012426.D

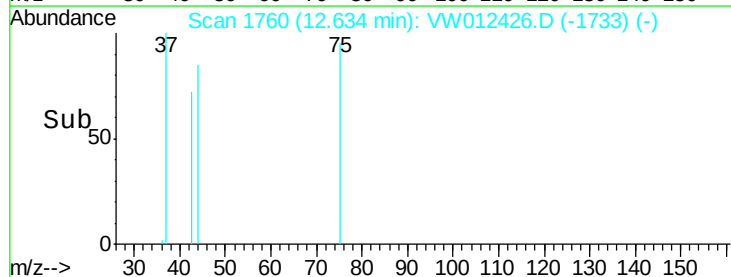
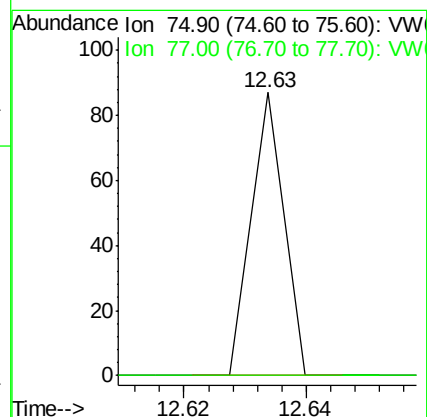
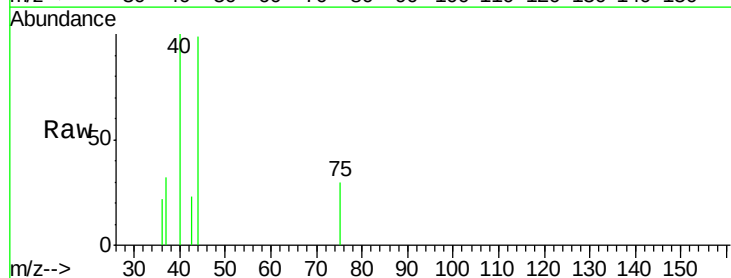
Acq: 01 Sep 2019 04:05

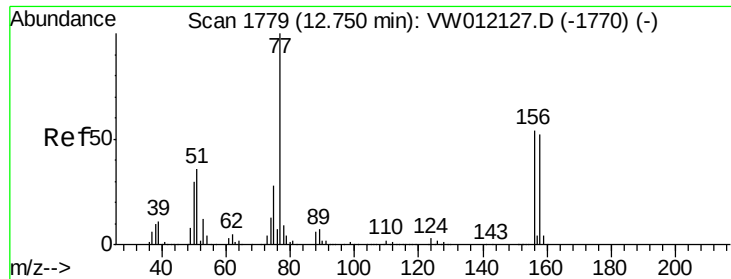
Tgt Ion: 75 Resp: 32

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 101.785 ug/l

RT: 12.93 min Scan# 1808

Delta R.T. 0.18 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampled :

T1-S-B3-(0)

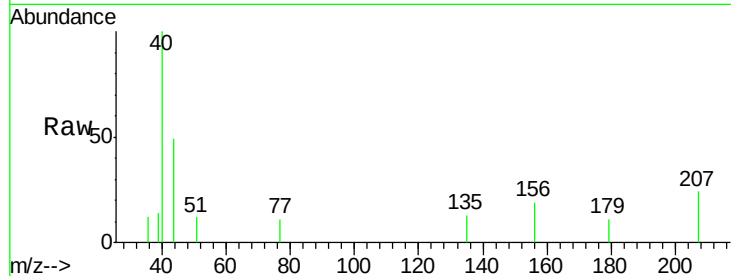
Tot Ion:156 Resp: 33

Ion Ratio Lower Upper

156 100

77 57.6 107.3 321.8#

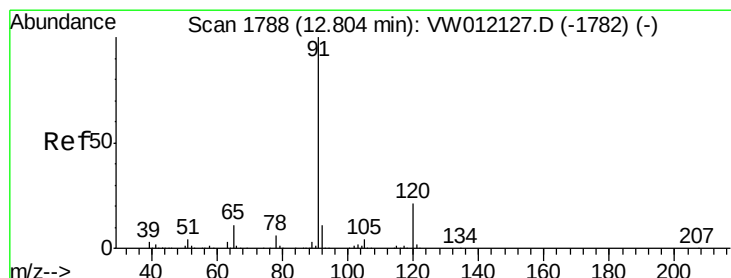
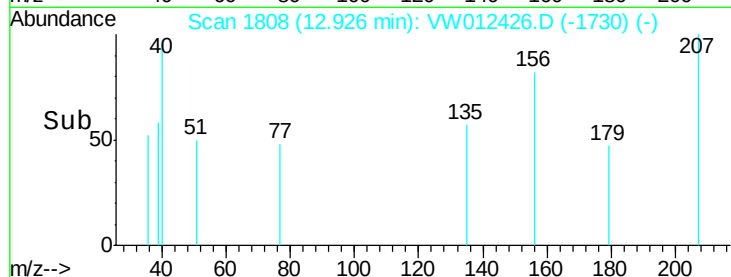
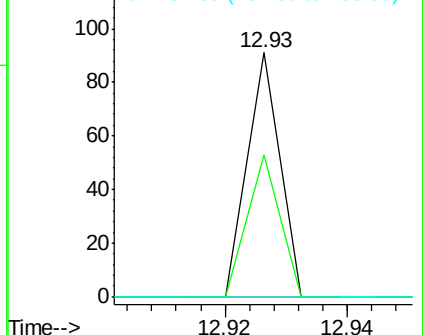
158 0.0 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.932 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.05 min

Lab File: VW012426.D

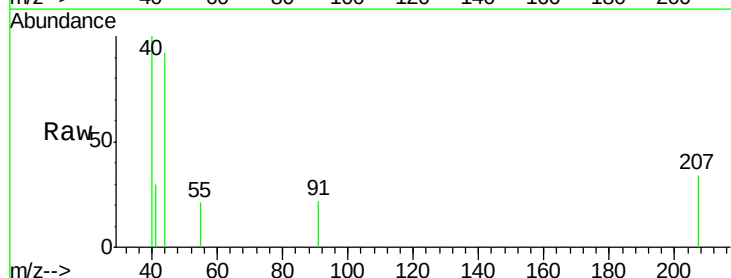
Acq: 01 Sep 2019 04:05

Tgt Ion: 91 Resp: 20

Ion Ratio Lower Upper

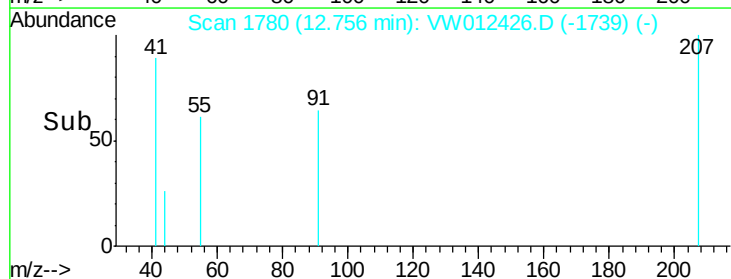
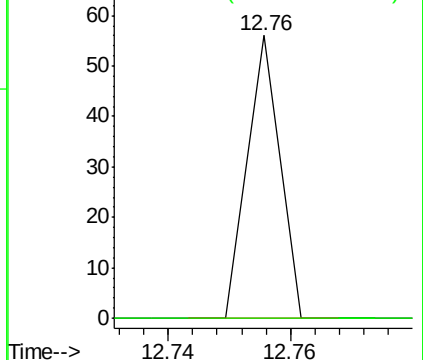
91 100

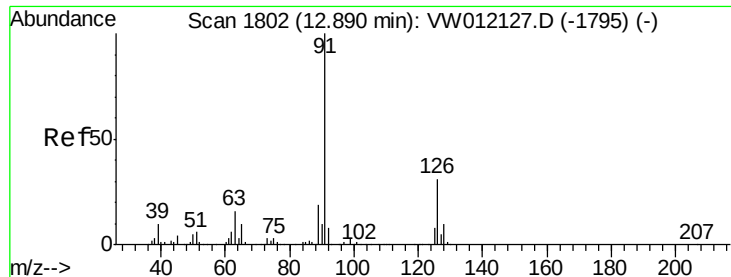
120 0.0 10.5 31.6#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

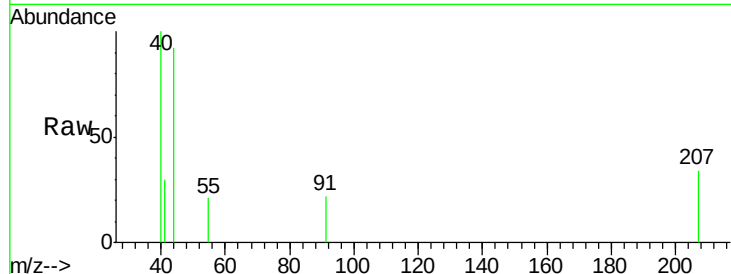




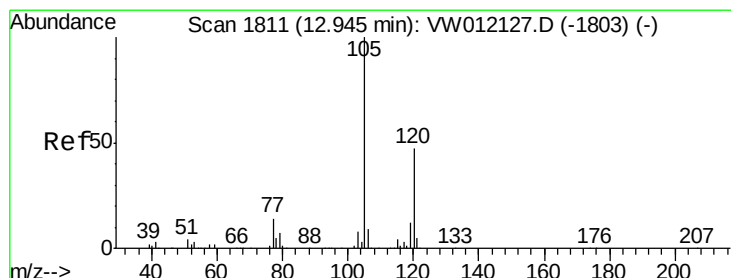
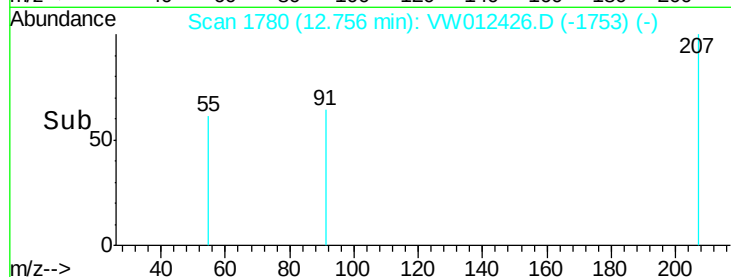
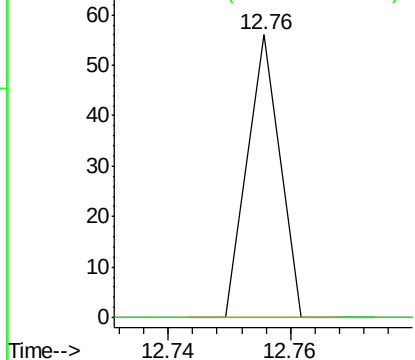
#79
 2-Chlorotoluene
 Concen: 19.255 ug/l
 RT: 12.76 min Scan# 1780
 Delta R.T. -0.13 min
 Lab File: VW012426.D
 Acq: 01 Sep 2019 04:05

Instrument :
 MSVOA_W
 ClientSampled :
 T1-S-B3-(0)

Tot Ion: 91 Resp: 20
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.7 47.0#

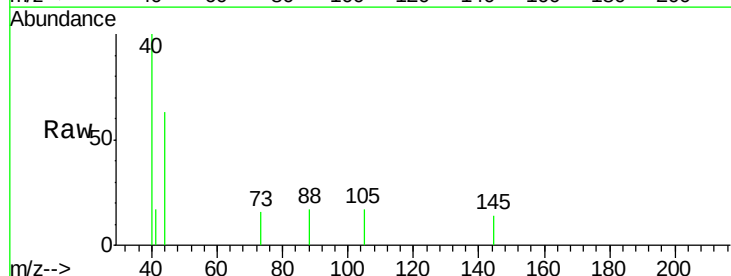


Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 125.90 (125.60 to 126.60): V

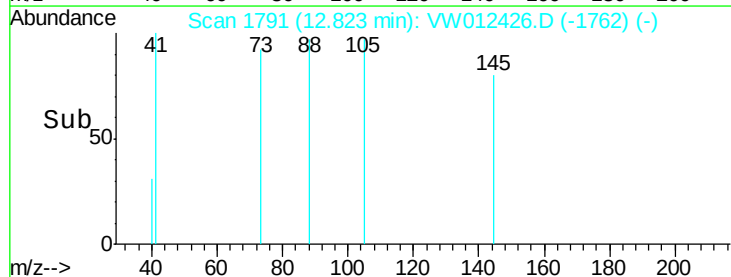
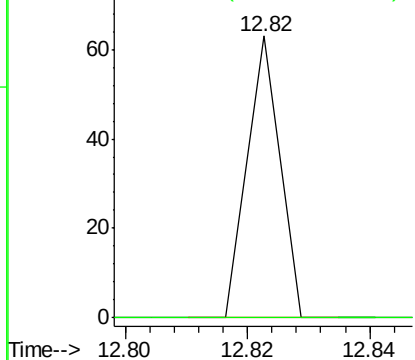


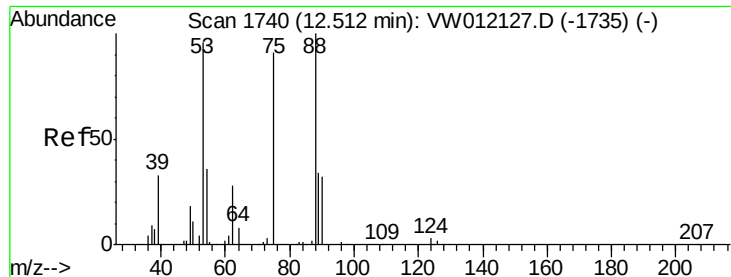
#80
 1,3,5-Trimethylbenzene
 Concen: 18.367 ug/l
 RT: 12.82 min Scan# 1791
 Delta R.T. -0.12 min
 Lab File: VW012426.D
 Acq: 01 Sep 2019 04:05

Tgt Ion: 105 Resp: 23
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.0 72.0#



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: 360.197 ug/l

RT: 12.63 min Scan# 1760

Delta R.T. 0.12 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B3-(0)

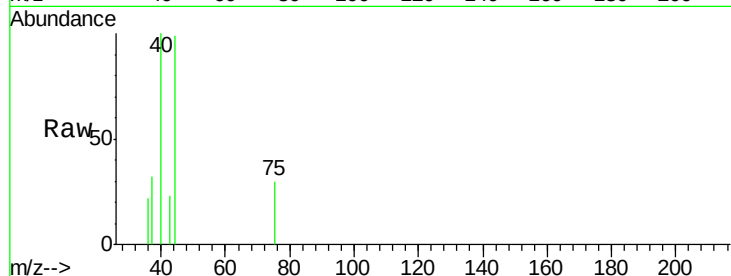
Tot Ion: 75 Resp: 32

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

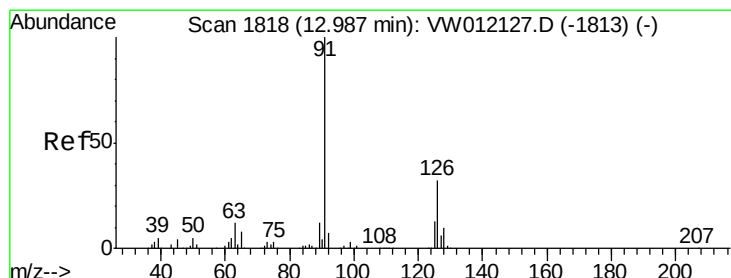
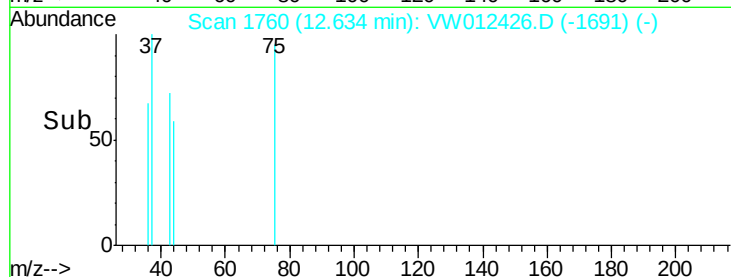
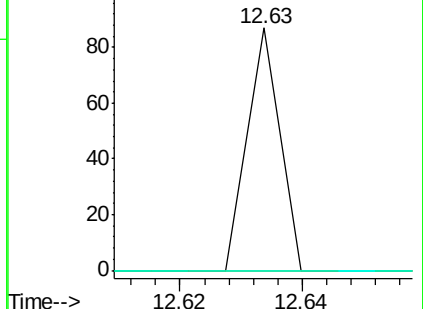
89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 18.389 ug/l

RT: 13.03 min Scan# 1825

Delta R.T. 0.04 min

Lab File: VW012426.D

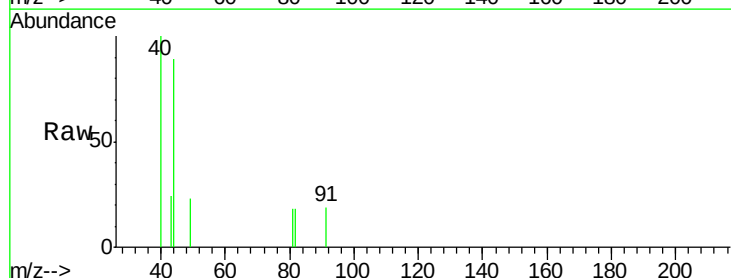
Acq: 01 Sep 2019 04:05

Tgt Ion: 91 Resp: 20

Ion Ratio Lower Upper

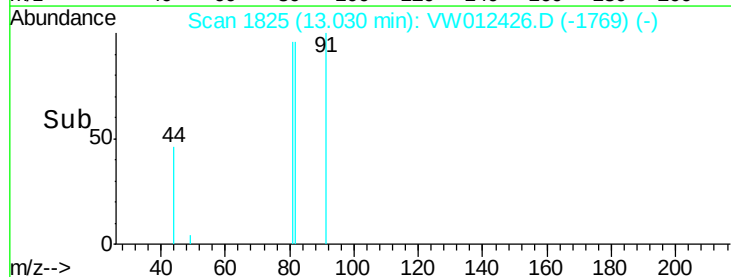
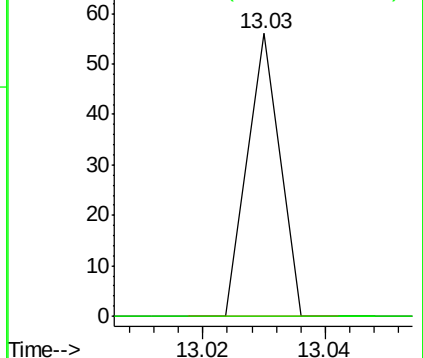
91 100

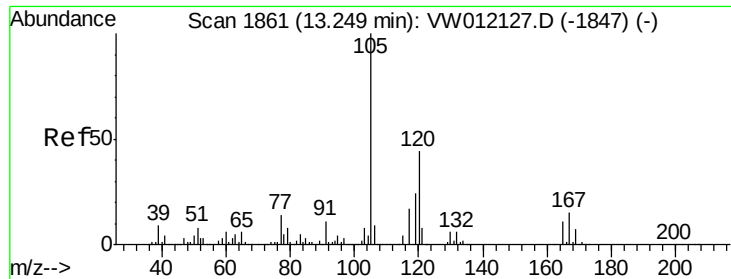
126 0.0 15.6 46.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

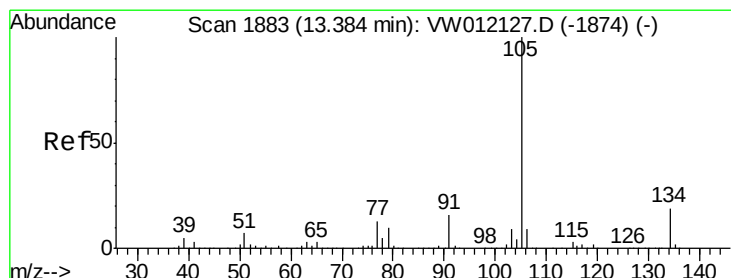
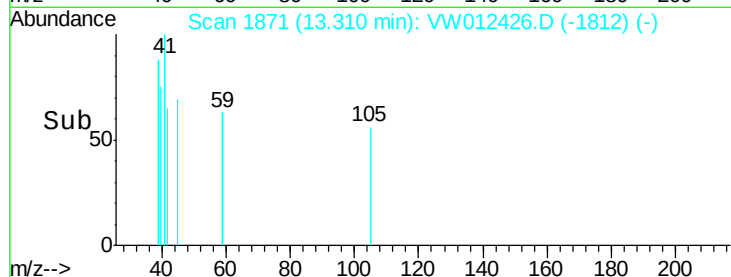
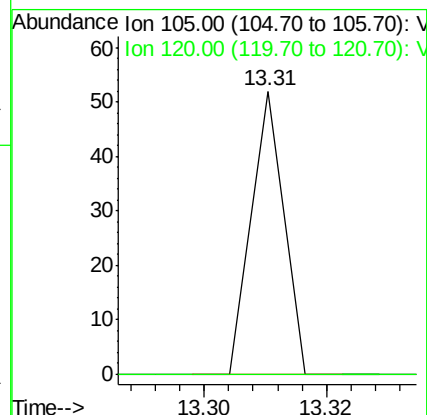
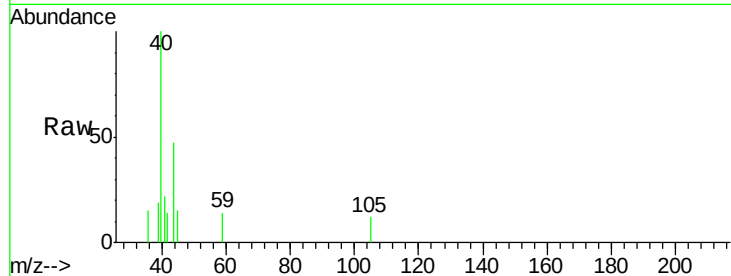




#84
 1,2,4-Trimethylbenzene
 Concen: 15.104 ug/l
 RT: 13.31 min Scan# 1871
 Delta R.T. 0.06 min
 Lab File: VW012426.D
 Acq: 01 Sep 2019 04:05

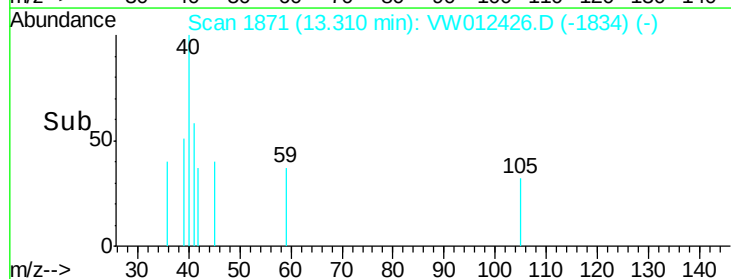
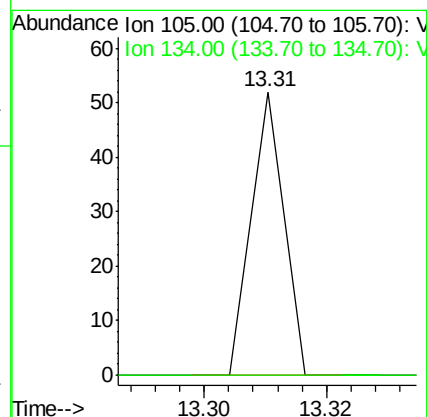
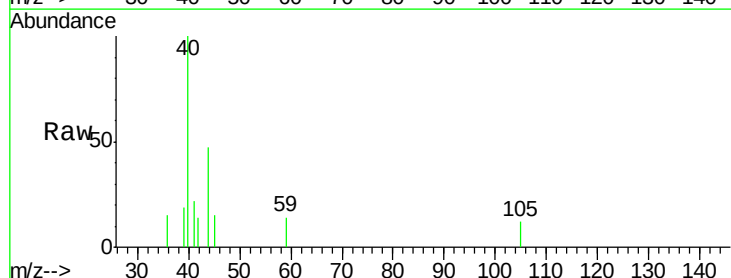
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B3-(0)

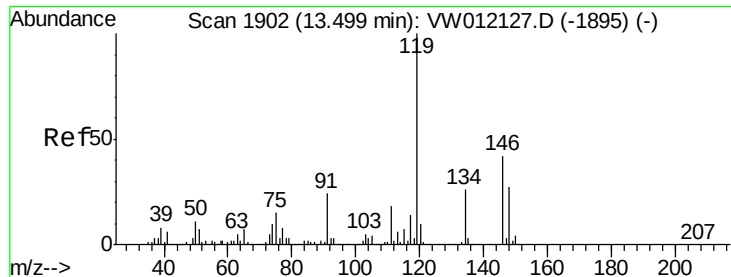
Tot Ion:105 Resp: 19
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.9 65.7#



#85
 sec-Butylbenzene
 Concen: 12.502 ug/l
 RT: 13.31 min Scan# 1871
 Delta R.T. -0.07 min
 Lab File: VW012426.D
 Acq: 01 Sep 2019 04:05

Tgt Ion:105 Resp: 19
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#





#86

p-Isopropyltoluene

Concen: 13.999 ug/l

RT: 13.54 min Scan# 1908

Delta R.T. 0.04 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

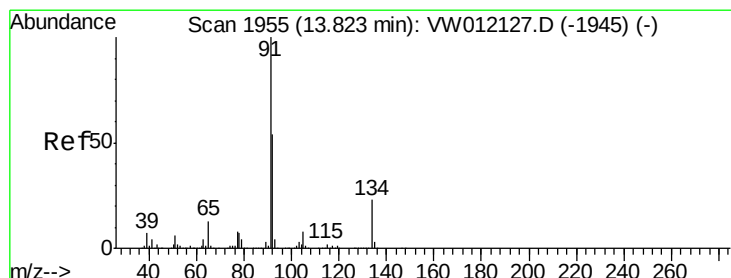
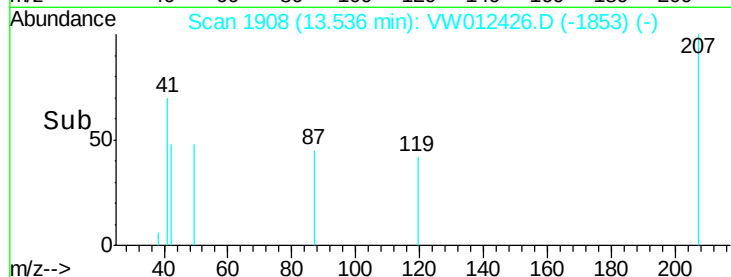
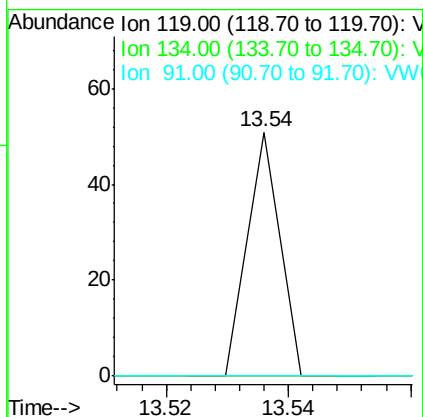
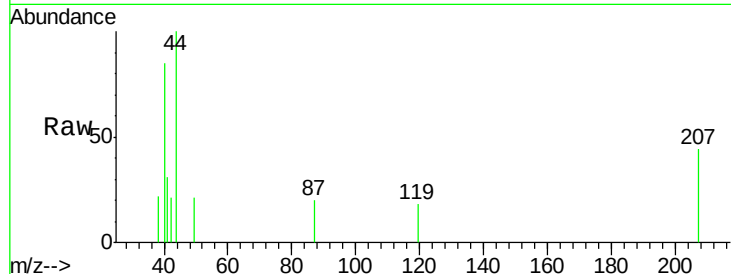
Instrument :

MSVOA_W

ClientSampled :

T1-S-B3-(0)

Tot Ion:	119	Resp:	19
Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.8	38.3#
91	0.0	12.3	36.9#



#89

n-Butylbenzene

Concen: 15.559 ug/l

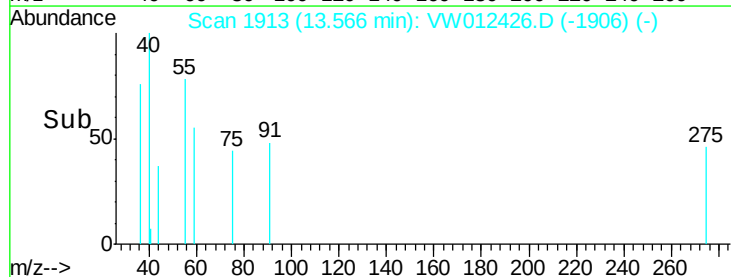
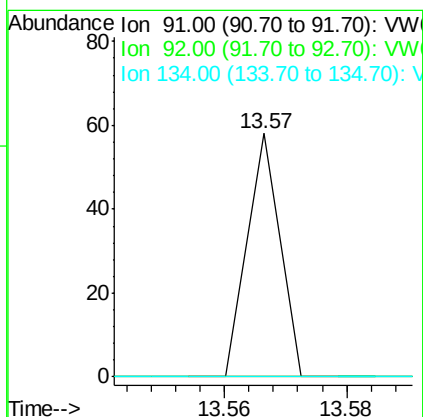
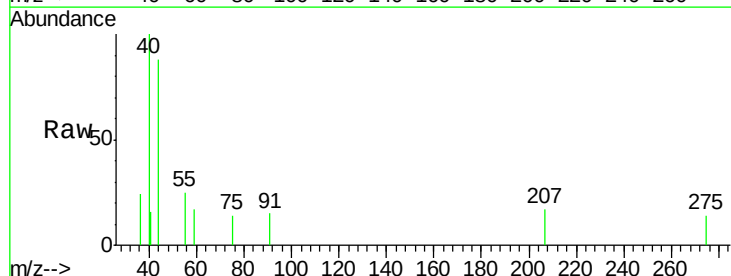
RT: 13.57 min Scan# 1913

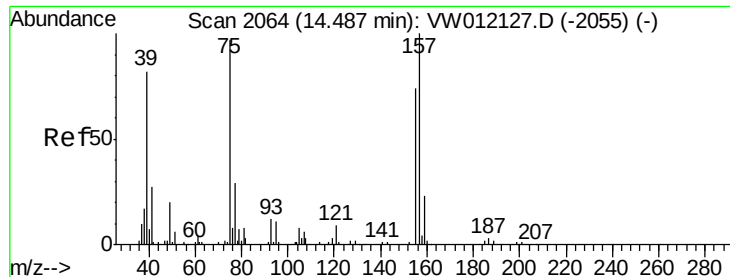
Delta R.T. -0.26 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Tgt Ion:	91	Resp:	21
Ion	Ratio	Lower	Upper
91	100		
92	0.0	27.1	81.2#
134	0.0	12.2	36.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 582.936 ug/l

RT: 14.54 min Scan# 2072

Delta R.T. 0.05 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B3-(0)

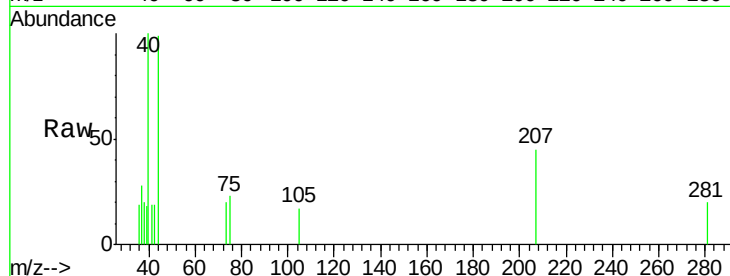
Tot Ion: 75 Resp: 27

Ion Ratio Lower Upper

75 100

155 0.0 37.5 112.3#

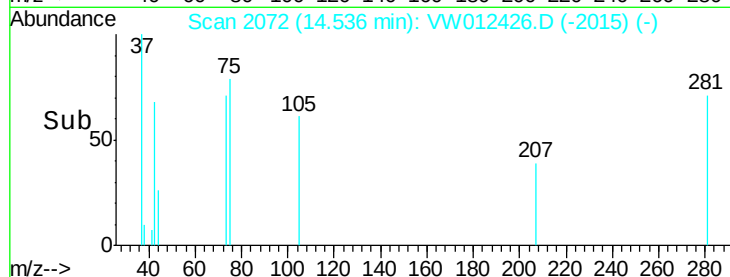
157 0.0 50.5 151.5#



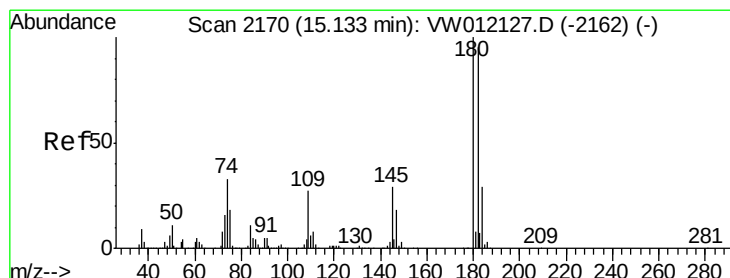
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 62.427 ug/l

RT: 15.06 min Scan# 2158

Delta R.T. -0.07 min

Lab File: VW012426.D

Acq: 01 Sep 2019 04:05

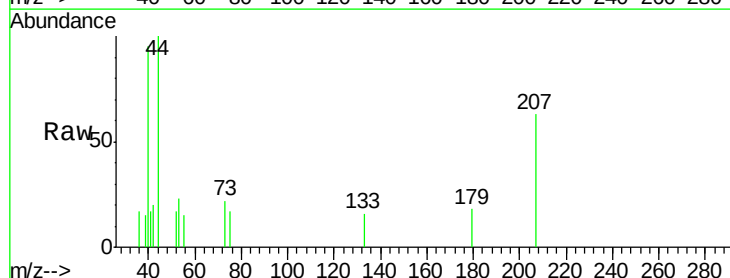
Tgt Ion: 180 Resp: 24

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.4#

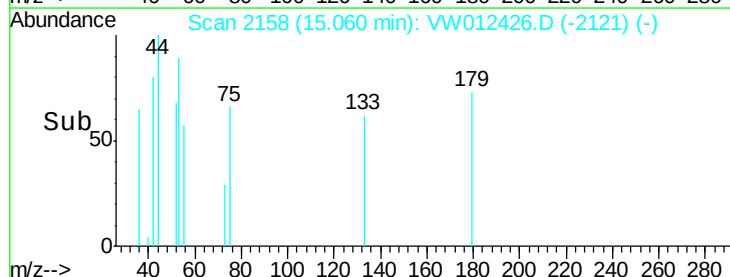
145 0.0 15.0 45.1#



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



Time-->