

Data File : VW013425.D
Acq On : 03 Oct 2019 17:02
Operator : SY/VA
Sample : K5176-05RE
Misc : 5.07G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RO-3-1

Quant Time: Oct 04 08:28:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	229188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	48623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	102146	58.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.16%	
35) Dibromofluoromethane	7.88	113	101594	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
50) Toluene-d8	10.32	98	348341	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
62) 4-Bromofluorobenzene	12.62	95	82149	31.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.44%	

Target Compounds

						Qvalue
7) Trichlorofluoromethane	3.24	101	3018	3.261	ug/l	97
11) Tert butyl alcohol	5.23	59	28668	193.738	ug/l	95
13) Acrolein	3.92	56	1149	16.766	ug/l #	15
16) Acetone	4.13	43	147564	273.743	ug/l	100
17) Carbon Disulfide	4.38	76	24943	4.124	ug/l #	95
20) Methylene Chloride	4.91	84	53985	23.023	ug/l	99
25) 2-Butanone	7.17	43	39487	57.247	ug/l	98
26) 2,2-Dichloropropane	7.15	77	1924	Below Cal	#	52
28) Bromochloromethane	7.67	49	25997	19.058	ug/l #	10
29) Tetrahydrofuran	7.54	42	703	11.378	ug/l #	57
30) Chloroform	7.67	83	353004	95.421	ug/l	99
31) Cyclohexane	7.92	56	134678	33.473	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	15214	4.599	ug/l #	55
37) Ethyl Acetate	7.17	43	39487	27.114	ug/l #	74
38) Carbon Tetrachloride	7.95	117	19707	6.877	ug/l #	19
39) Methylcyclohexane	9.33	83	31489	7.227	ug/l	92
40) Benzene	8.32	78	10258	1.095	ug/l	93
41) Methacrylonitrile	7.52	41	1717	1.950	ug/l #	29
43) Isopropyl Acetate	8.41	43	70012	25.478	ug/l #	50
48) Methyl methacrylate	9.38	41	6679	5.058	ug/l #	34
51) 4-Methyl-2-Pentanone	10.21	43	39980	27.691	ug/l	100
52) Toluene	10.38	92	568441	94.108	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	5536	3.314	ug/l #	26
59) 2-Hexanone	11.04	43	2655	2.653	ug/l	72
67) Ethyl Benzene	11.73	91	57990	6.891	ug/l	97
68) m/p-Xylenes	11.84	106	111136	34.215	ug/l	97
69) o-Xylene	12.16	106	57282	19.073	ug/l	98
70) Styrene	12.18	104	27633	5.383	ug/l #	72
73) Isopropylbenzene	12.47	105	36317	10.211	ug/l	78
74) N-amyl acetate	12.25	43	45313	59.864	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.68	83	2418	4.017	ug/l #	26
76) 1,2,3-Trichloropropane	12.87	75	1154	2.670	ug/l #	100
78) n-propylbenzene	12.80	91	45650	11.158	ug/l	97
79) 2-Chlorotoluene	12.87	91	19936	8.773	ug/l #	40

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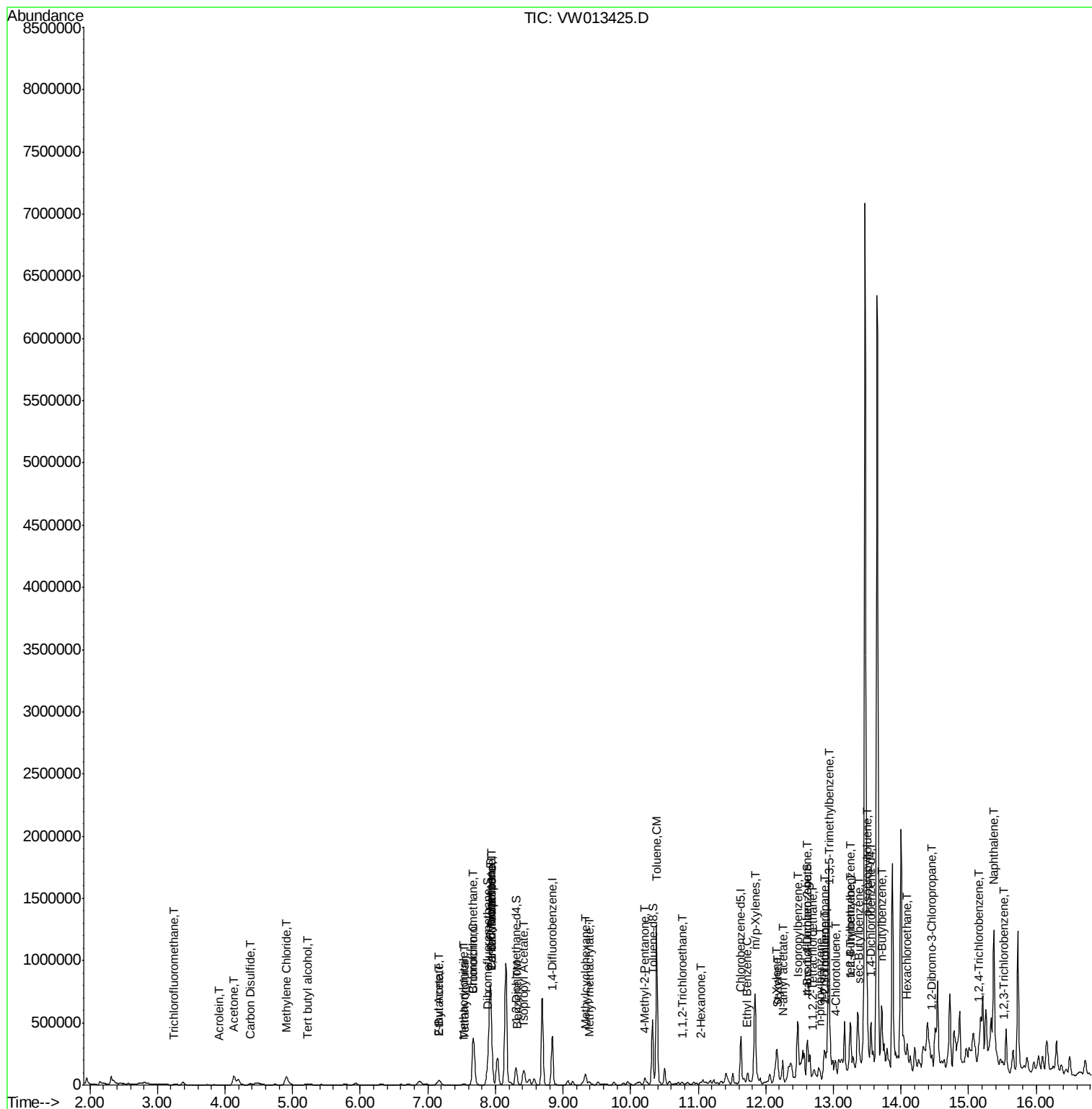
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.94	105	70370	23.818	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	37202	171.885	ug/l #	12
82) 4-Chlorotoluene	13.02	91	13745	5.774	ug/l #	40
83) tert-Butylbenzene	13.25	119	30349	11.760	ug/l #	58
84) 1,2,4-Trimethylbenzene	13.25	105	231910	78.959	ug/l	99
85) sec-Butylbenzene	13.38	105	53391	15.006	ug/l	92
86) p-Isopropyltoluene	13.50	119	356664	108.165	ug/l #	75
89) n-Butylbenzene	13.71	91	86712	29.168	ug/l	83
90) Hexachloroethane	14.10	117	7386	13.558	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.46	75	532	5.908	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.14	180	1307	1.282	ug/l #	1
95) Naphthalene	15.36	128	29323	17.053	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.52	180	1137	1.278	ug/l #	1

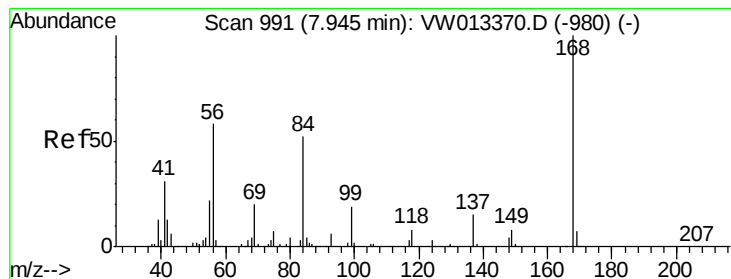
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

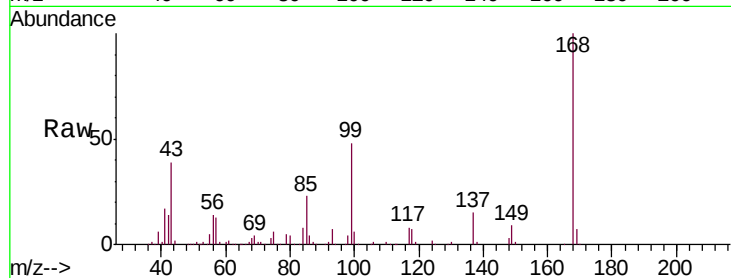
RO-3-1

Tgt Ion:168 Resp: 235532

Ion Ratio Lower Upper

168 100

99 47.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

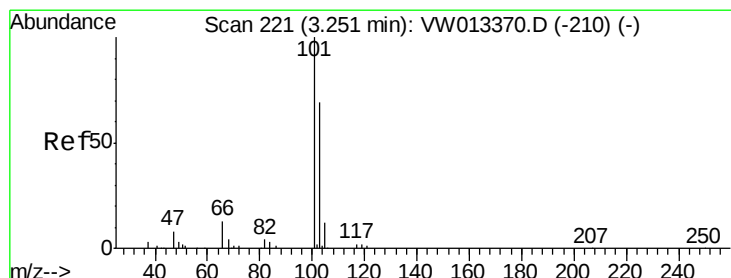
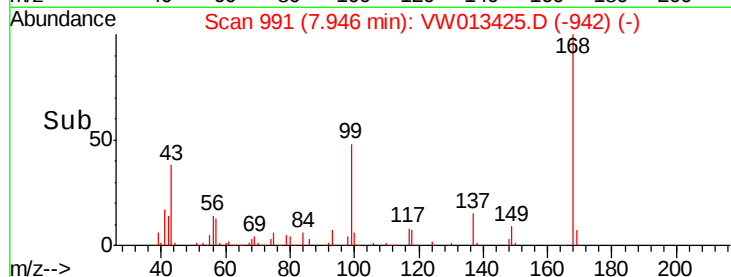
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#7

Trichlorofluoromethane

Concen: 3.261 ug/l

RT: 3.24 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW013425.D

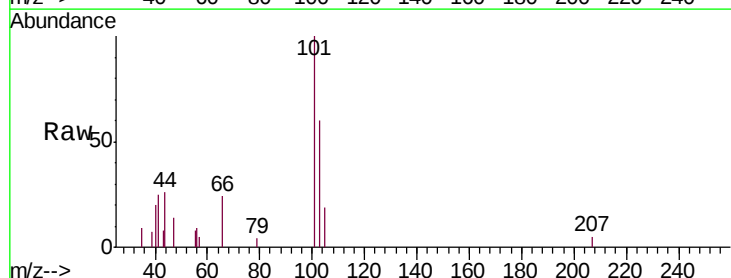
Acq: 03 Oct 2019 17:02

Tgt Ion:101 Resp: 3018

Ion Ratio Lower Upper

101 100

103 60.0 49.7 74.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

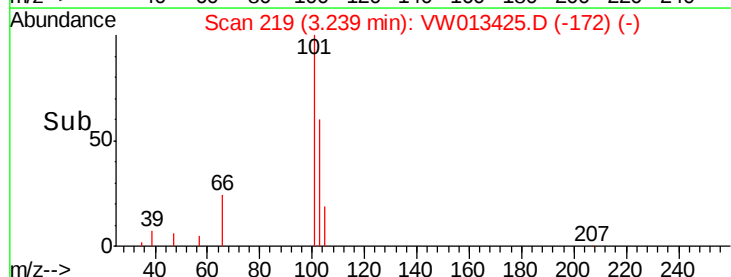
3.24

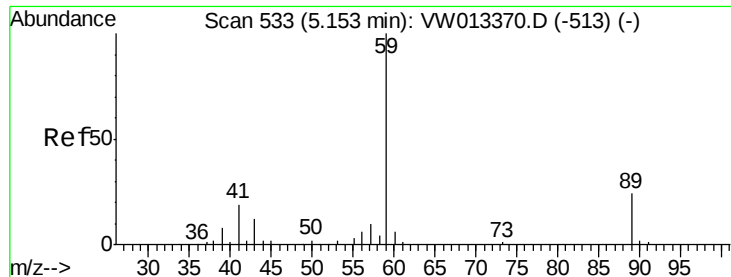
1000

500

0

Time--> 3.15 3.20 3.25 3.30

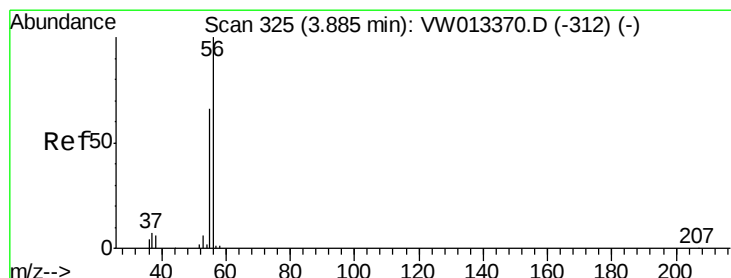
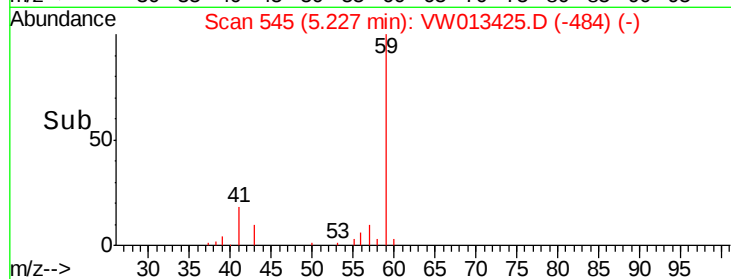
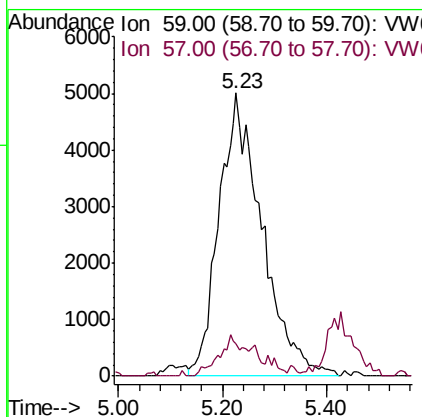
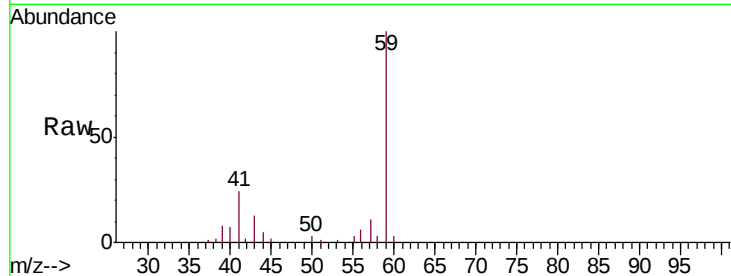




#11
Tert butyl alcohol
Concen: 193.738 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.07 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

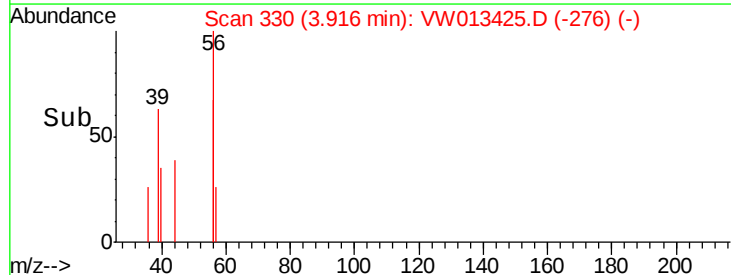
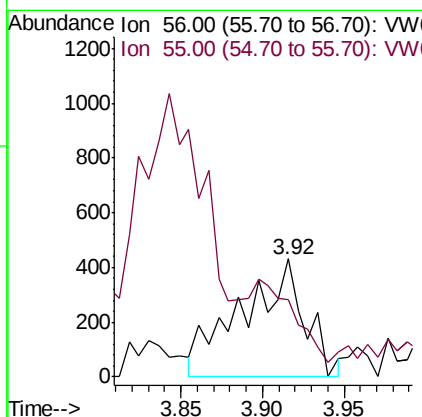
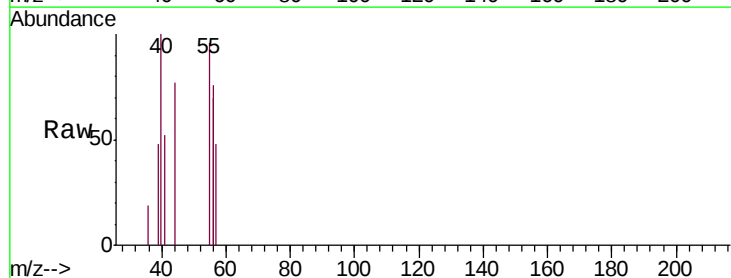
Instrument :
MSVOA_W
ClientSampleId :
RO-3-1

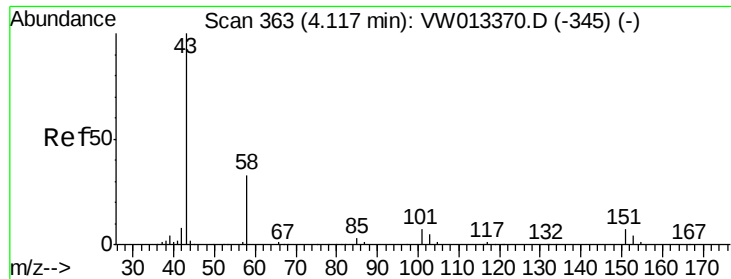
Tgt Ion: 59 Resp: 28668
Ion Ratio Lower Upper
59 100
57 8.2 8.2 12.2



#13
Acrolein
Concen: 16.766 ug/l
RT: 3.92 min Scan# 330
Delta R.T. 0.03 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion: 56 Resp: 1149
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#





#16

Acetone

Concen: 273.743 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013425.D

Acq: 03 Oct 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

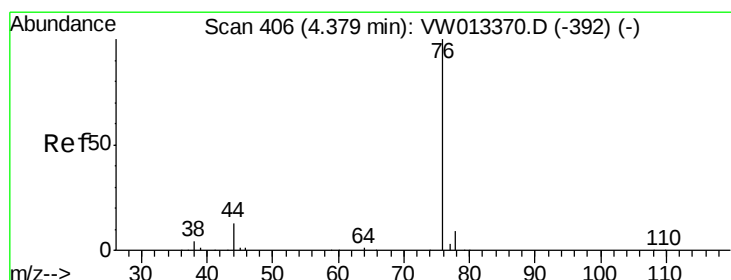
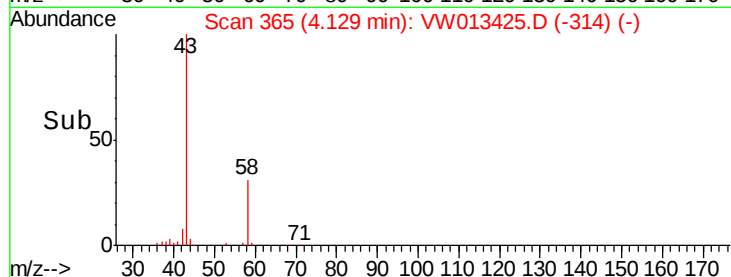
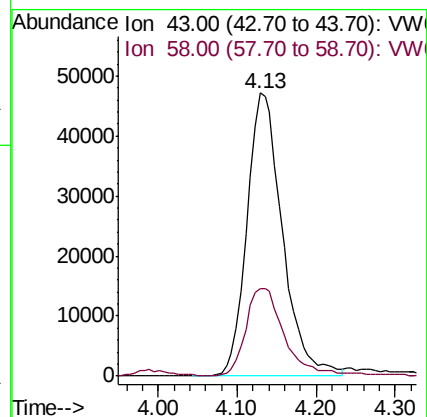
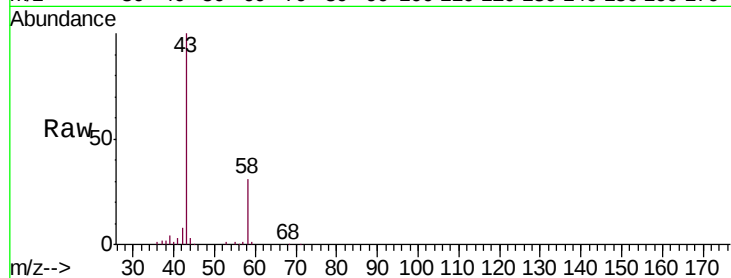
RO-3-1

Tgt Ion: 43 Resp: 147564

Ion Ratio Lower Upper

43 100

58 30.3 24.1 36.1



#17

Carbon Disulfide

Concen: 4.124 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013425.D

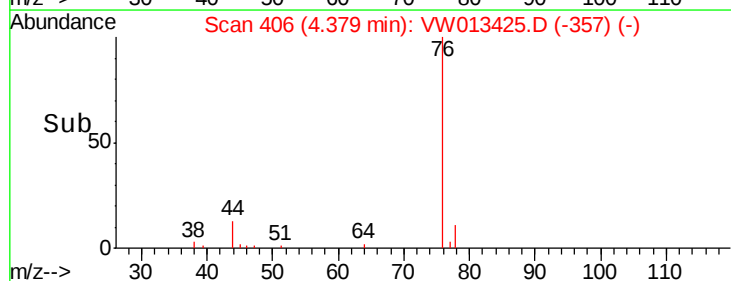
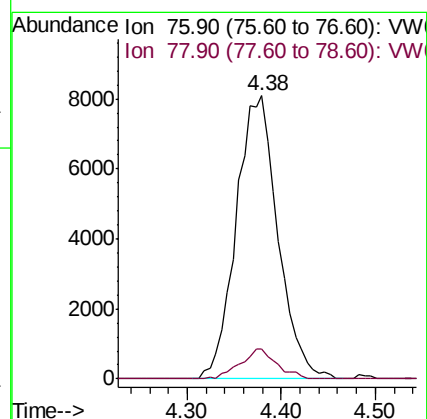
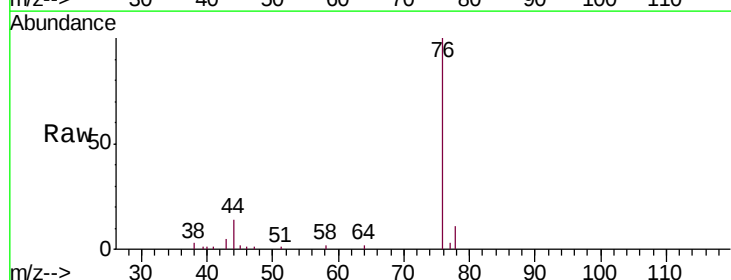
Acq: 03 Oct 2019 17:02

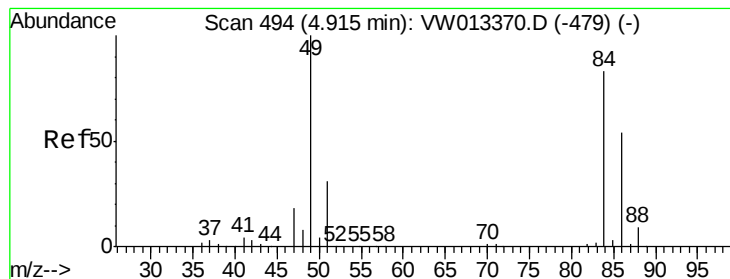
Tgt Ion: 76 Resp: 24943

Ion Ratio Lower Upper

76 100

78 10.6 7.0 10.4#





#20

Methylene Chloride

Concen: 23.023 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013425.D

Acq: 03 Oct 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

RO-3-1

Tgt Ion: 84 Resp: 53985

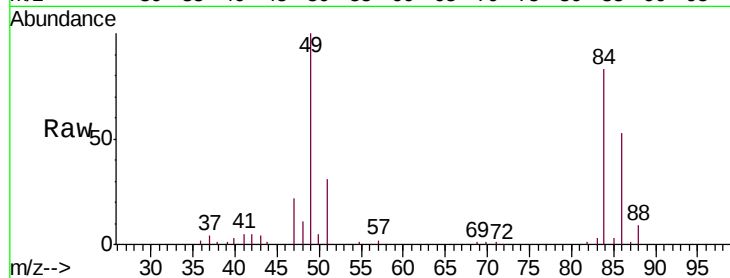
Ion Ratio Lower Upper

84 100

49 120.0 97.6 146.4

51 36.9 30.2 45.2

86 63.5 50.6 76.0



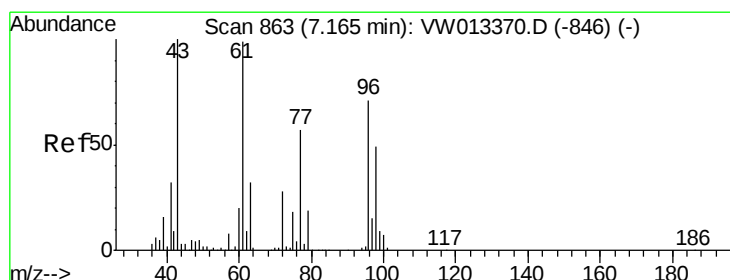
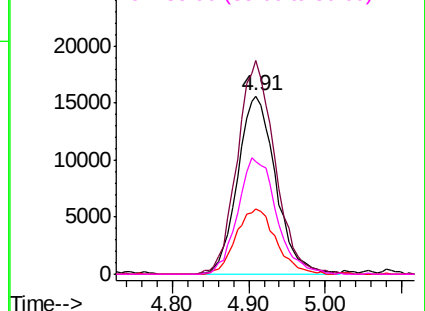
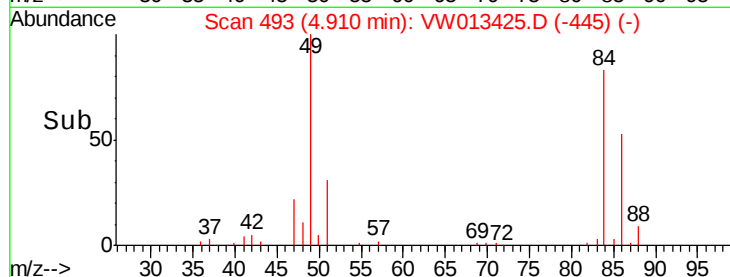
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 57.247 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013425.D

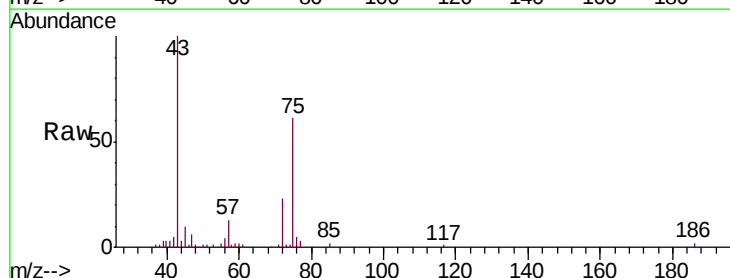
Acq: 03 Oct 2019 17:02

Tgt Ion: 43 Resp: 39487

Ion Ratio Lower Upper

43 100

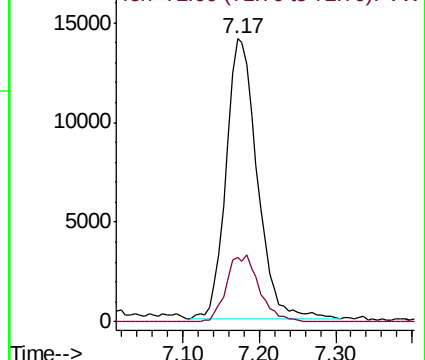
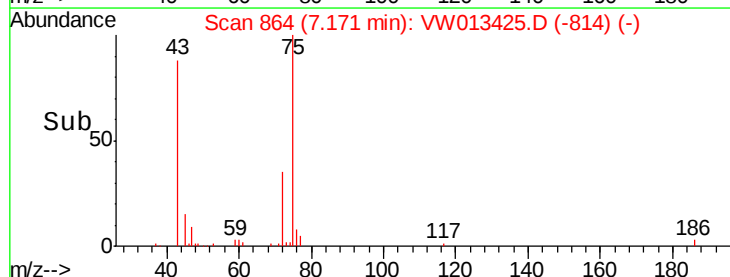
72 23.3 19.4 29.0

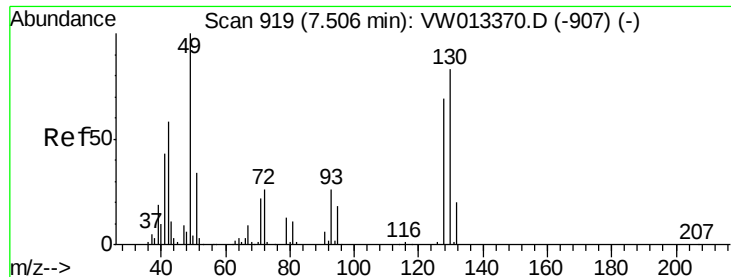


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#28

Bromochloromethane

Concen: 19.058 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.16 min

Lab File: VW013425.D

Acq: 03 Oct 2019 17:02

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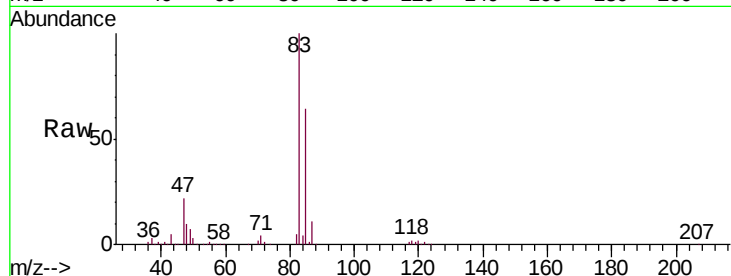
Tgt Ion: 49 Resp: 25997

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.0

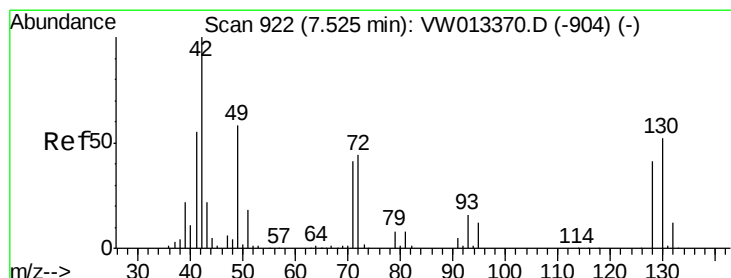
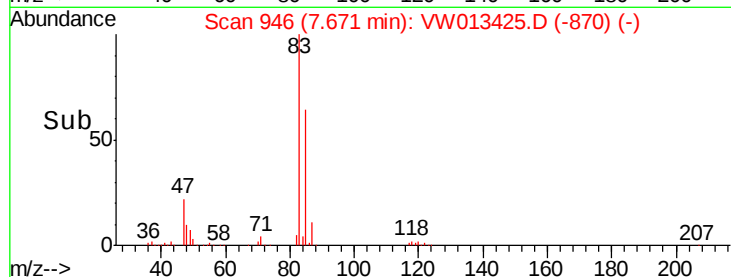
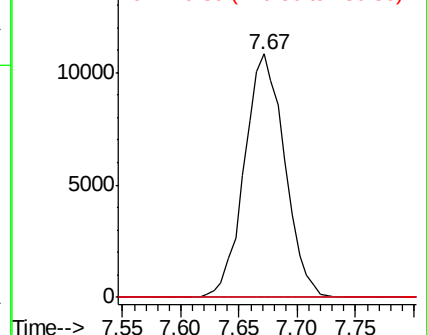
130 0.0 63.4 95.2#



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: 11.378 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW013425.D

Acq: 03 Oct 2019 17:02

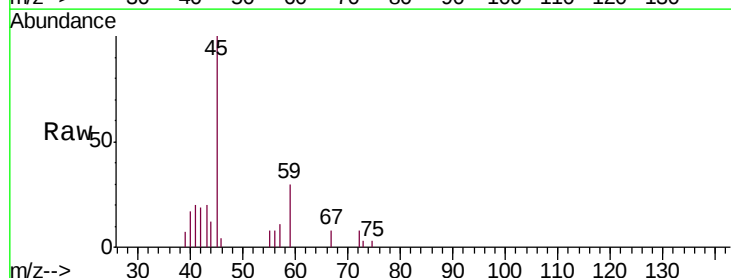
Tgt Ion: 42 Resp: 703

Ion Ratio Lower Upper

42 100

72 27.7 33.9 50.9#

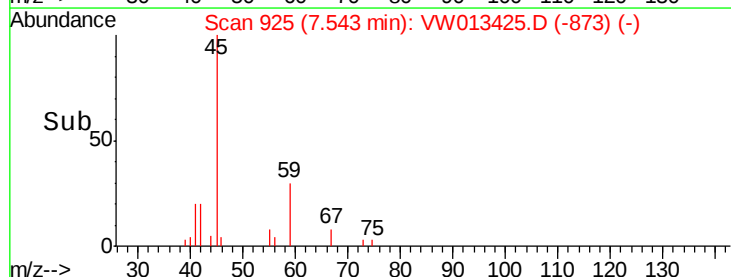
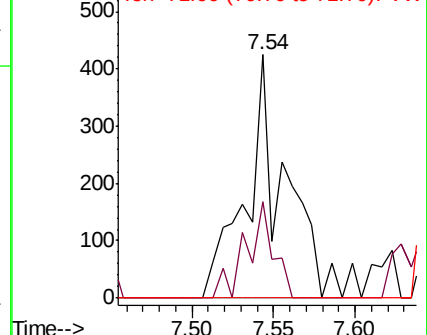
71 0.0 31.9 47.9#

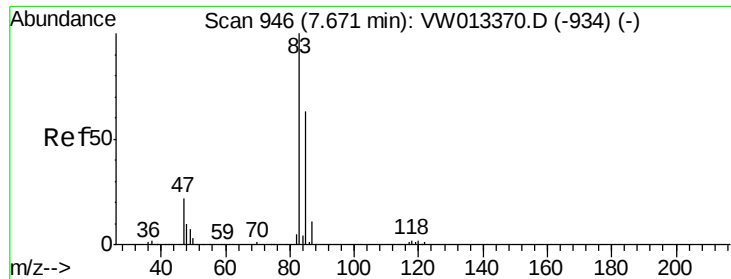


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

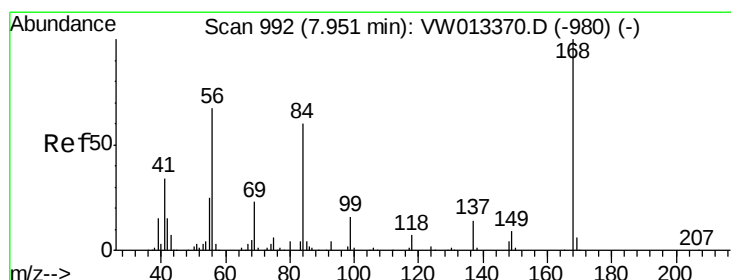
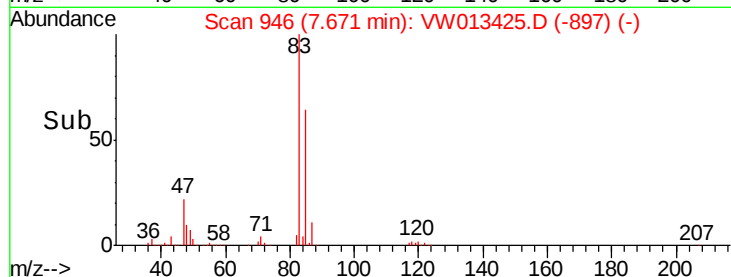
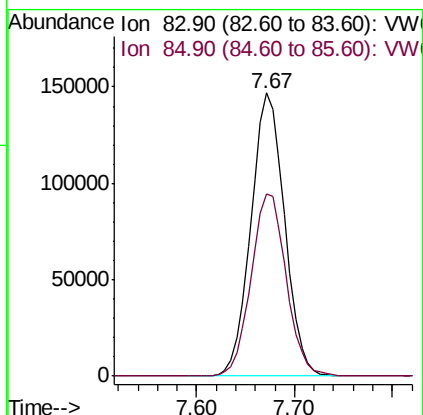
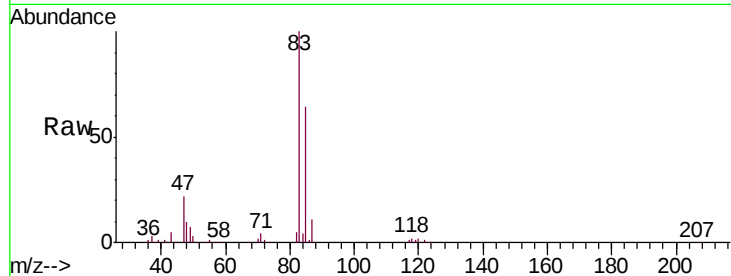




#30
Chloroform
Concen: 95.421 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

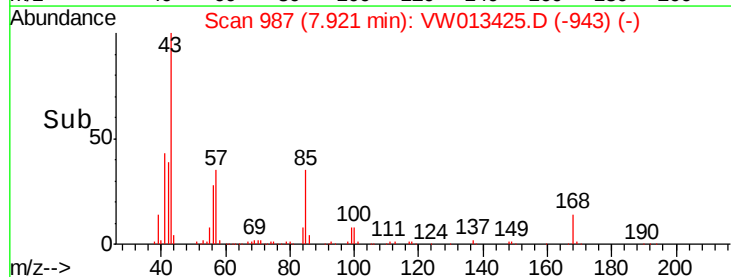
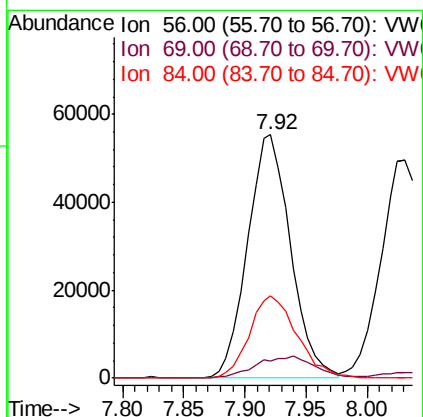
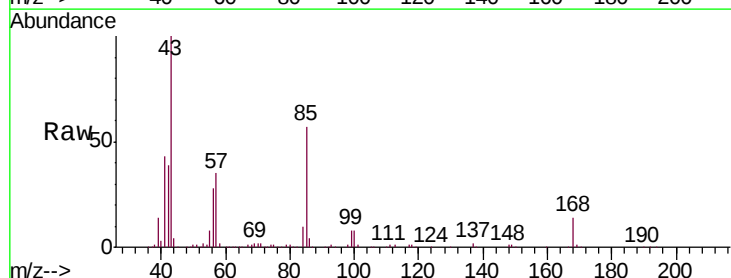
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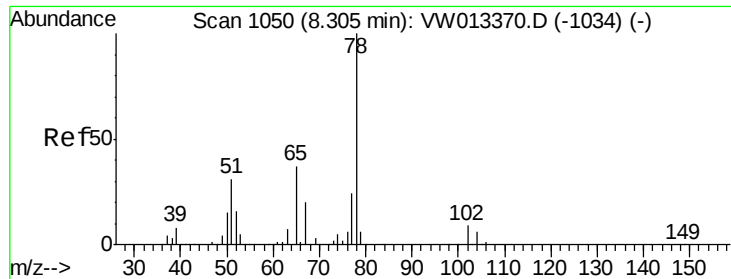
Tgt Ion: 83 Resp: 353004
Ion Ratio Lower Upper
83 100
85 64.5 52.3 78.5



#31
Cyclohexane
Concen: 33.473 ug/l
RT: 7.92 min Scan# 987
Delta R.T. -0.03 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion: 56 Resp: 134678
Ion Ratio Lower Upper
56 100
69 7.1 27.2 40.8#
84 34.1 70.8 106.2#





#33

1,2-Dichloroethane-d4

Concen: 58.082 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013425.D

Acq: 03 Oct 2019 17:02

Instrument :

MSVOA_W

ClientSampled :

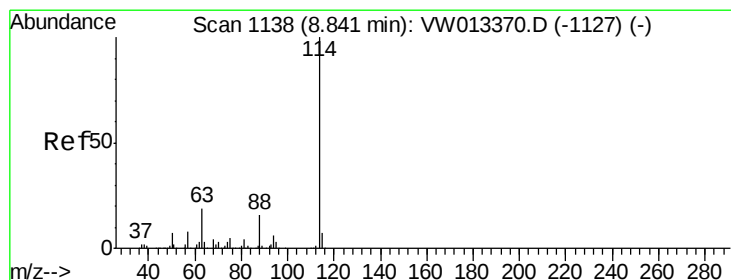
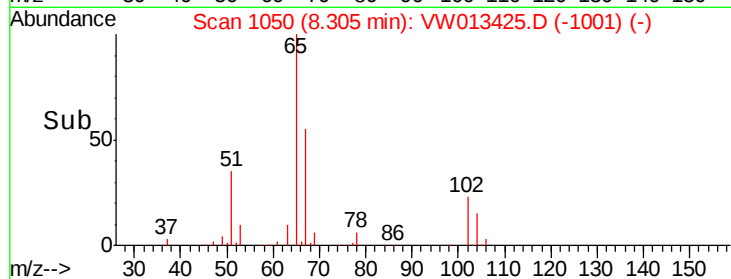
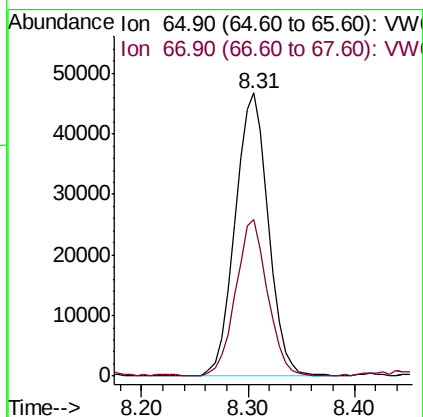
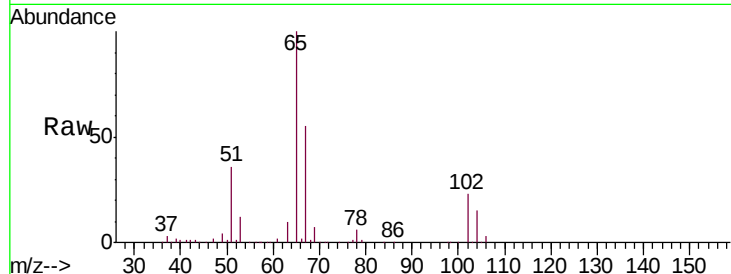
RO-3-1

Tgt Ion: 65 Resp: 102146

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013425.D

Acq: 03 Oct 2019 17:02

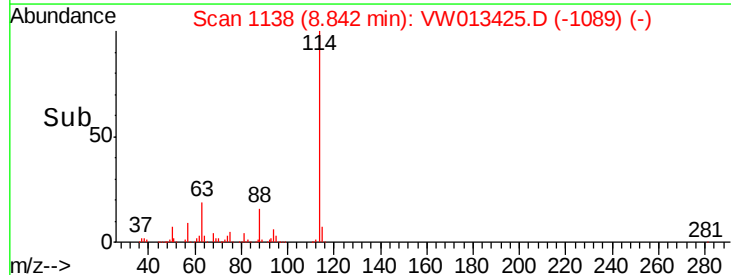
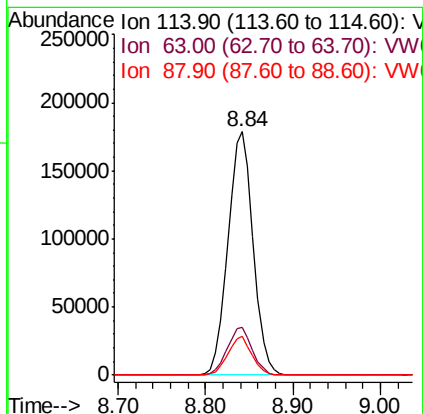
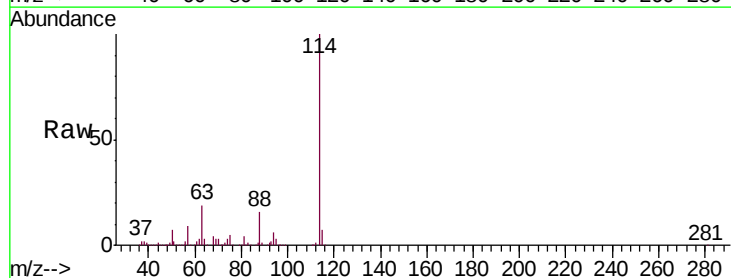
Tgt Ion: 114 Resp: 356178

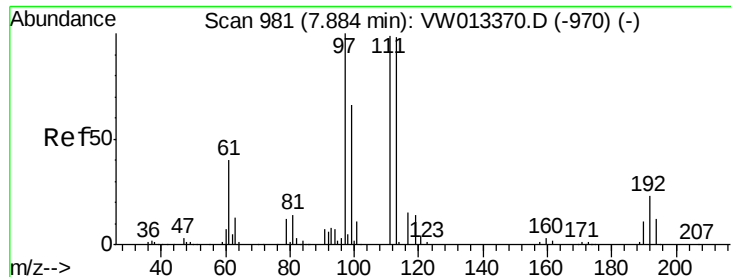
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.359 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013425.D

Acq: 03 Oct 2019 17:02

Instrument :
MSVOA_W
ClientSampled :
RO-3-1

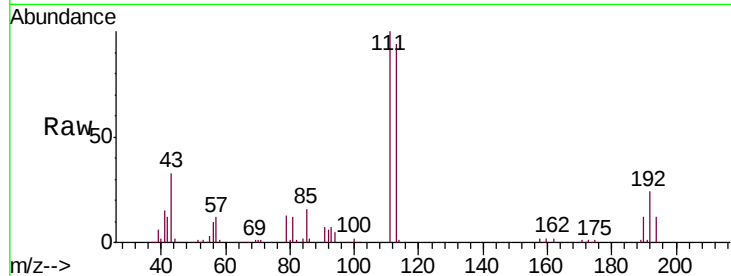
Tgt Ion:113 Resp: 101594

Ion Ratio Lower Upper

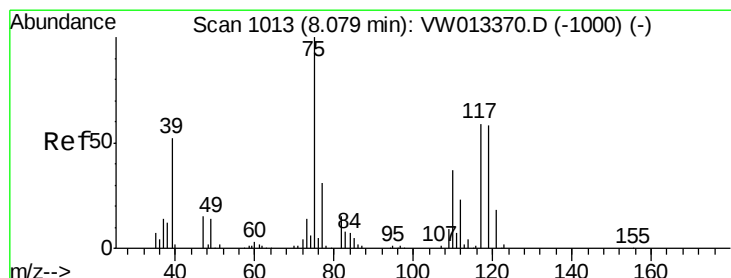
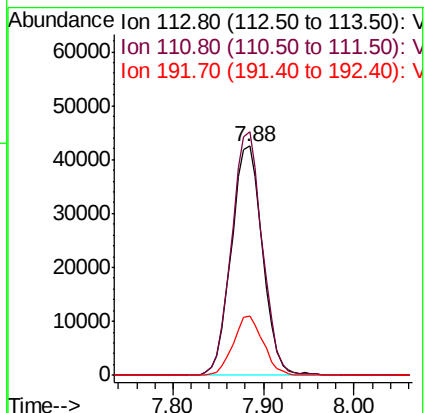
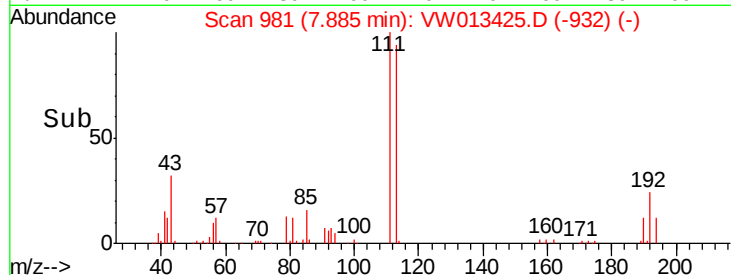
113 100

111 104.3 81.9 122.9

192 24.7 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.599 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013425.D

Acq: 03 Oct 2019 17:02

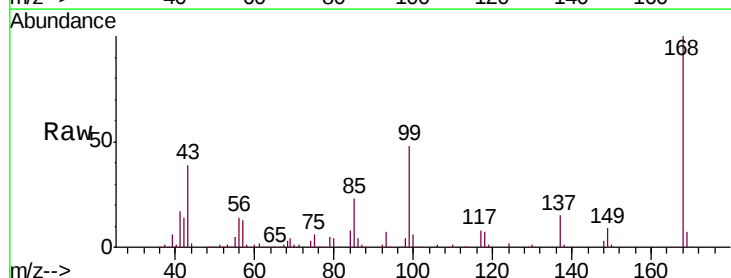
Tgt Ion: 75 Resp: 15214

Ion Ratio Lower Upper

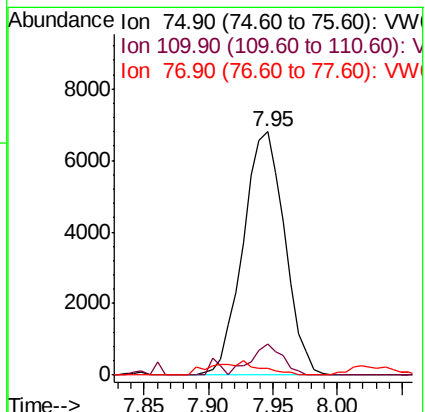
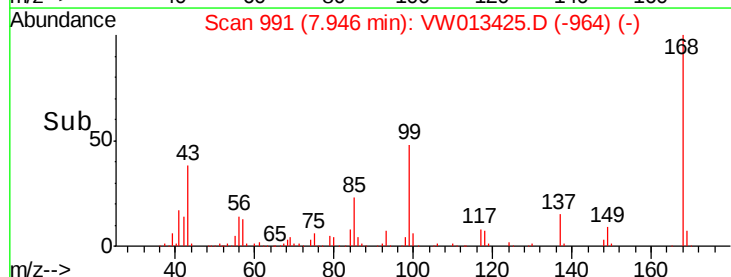
75 100

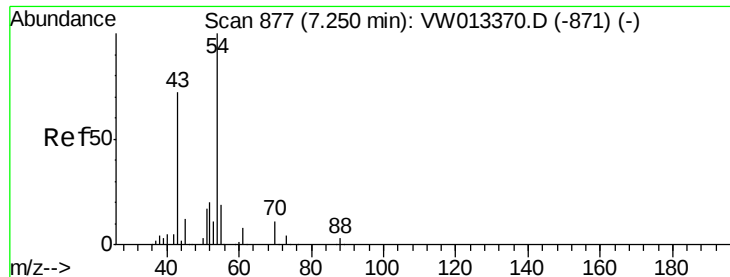
110 9.6 18.1 54.3#

77 6.8 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

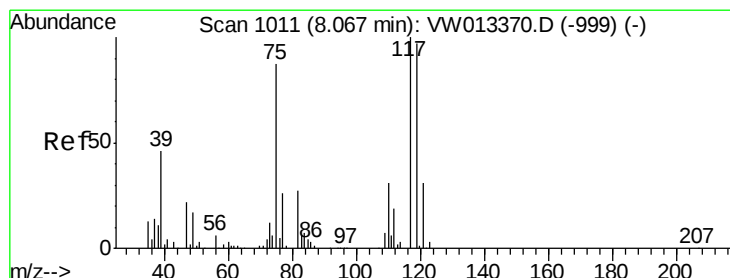
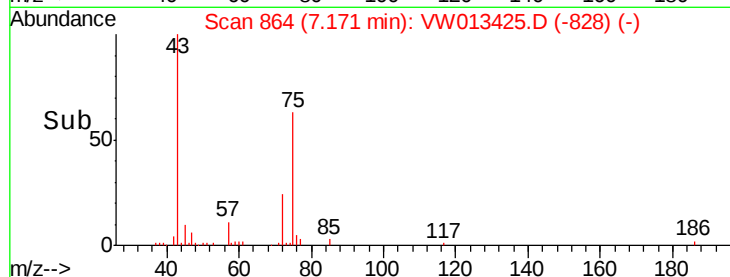
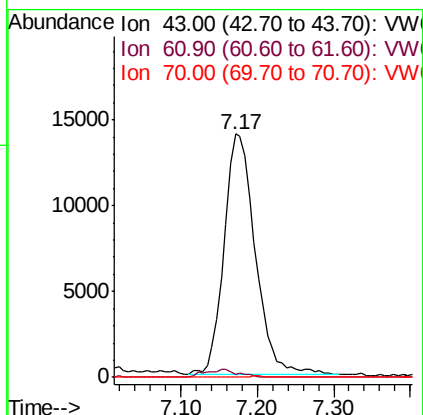
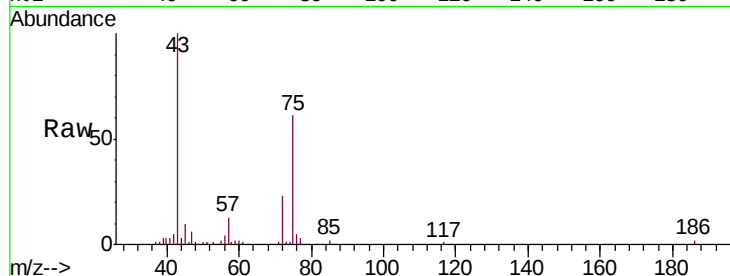




#37
Ethyl Acetate
Concen: 27.114 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

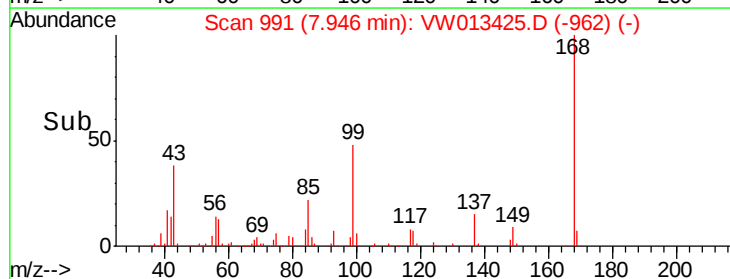
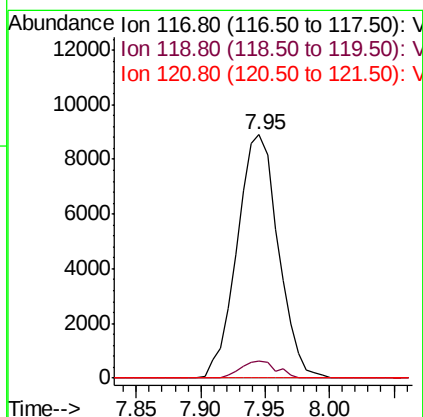
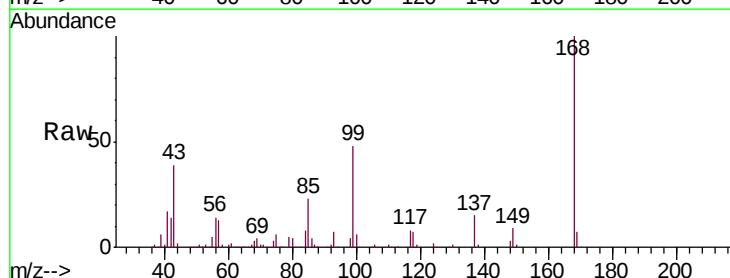
Instrument :
MSVOA_W
ClientSampleId :
RO-3-1

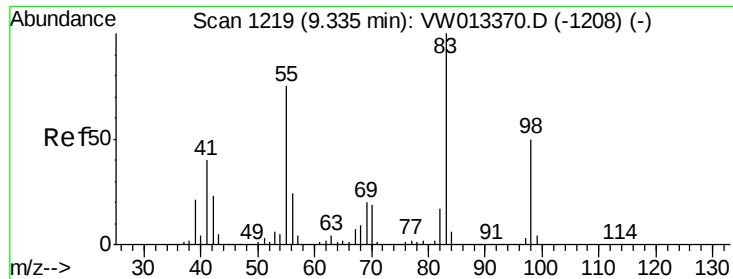
Tgt Ion: 43 Resp: 39487
Ion Ratio Lower Upper
43 100
61 3.5 10.9 16.3#
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 6.877 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion: 117 Resp: 19707
Ion Ratio Lower Upper
117 100
119 6.9 73.5 110.3#
121 0.0 25.0 37.6#

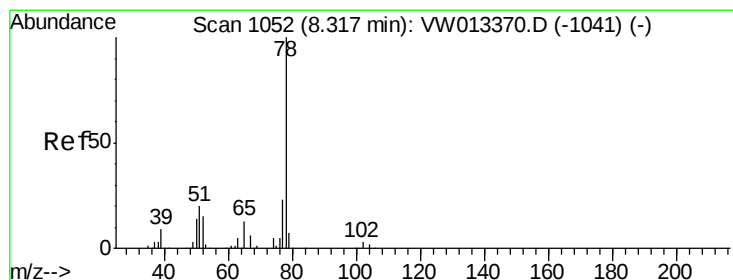
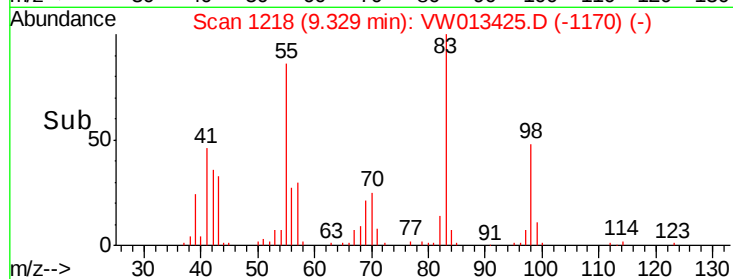
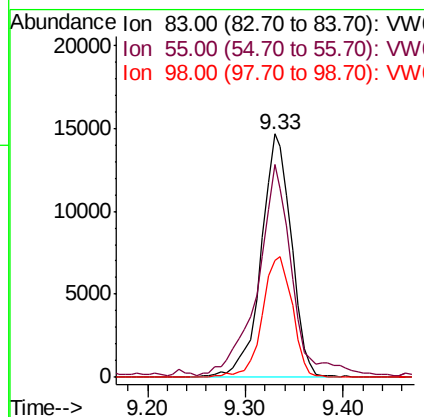
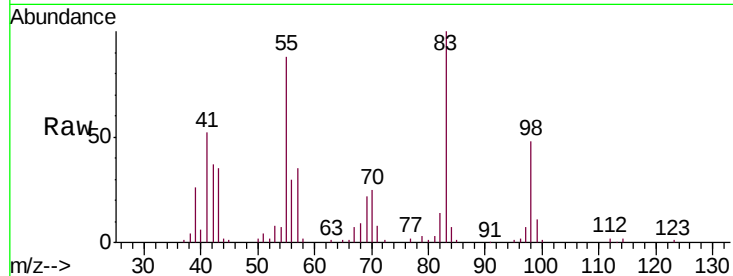




#39
Methylcyclohexane
Concen: 7.227 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

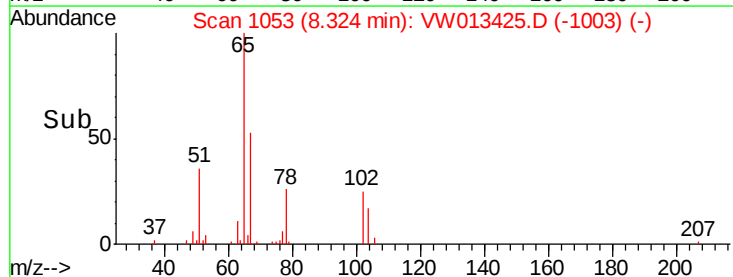
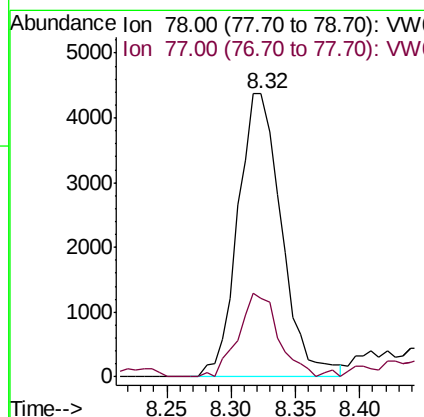
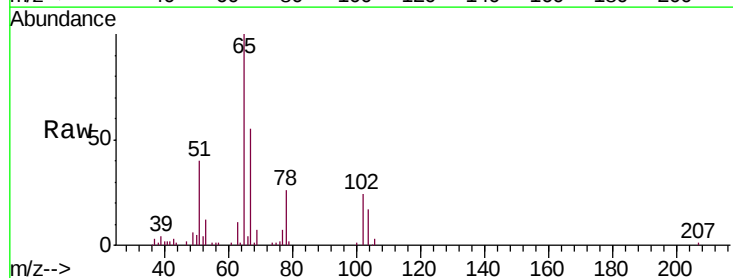
Instrument :
MSVOA_W
ClientSampleId :
RO-3-1

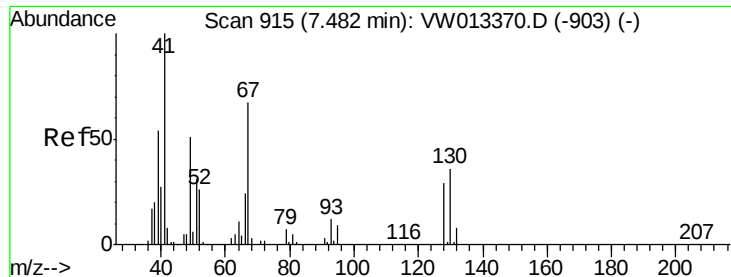
Tgt Ion: 83 Resp: 31489
Ion Ratio Lower Upper
83 100
55 85.7 60.4 90.6
98 48.3 40.0 60.0



#40
Benzene
Concen: 1.095 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion: 78 Resp: 10258
Ion Ratio Lower Upper
78 100
77 27.6 19.1 28.7

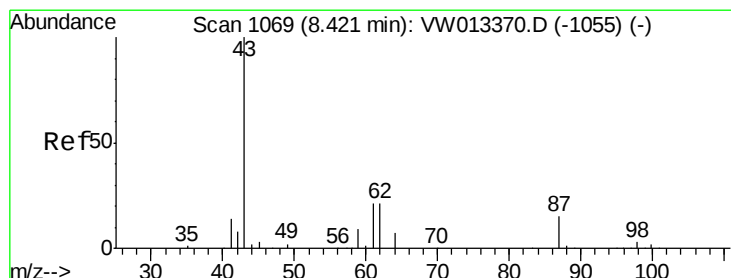
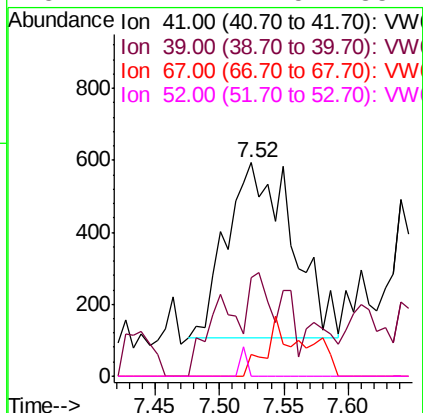
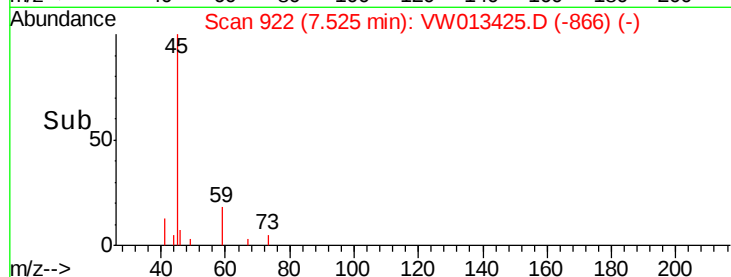
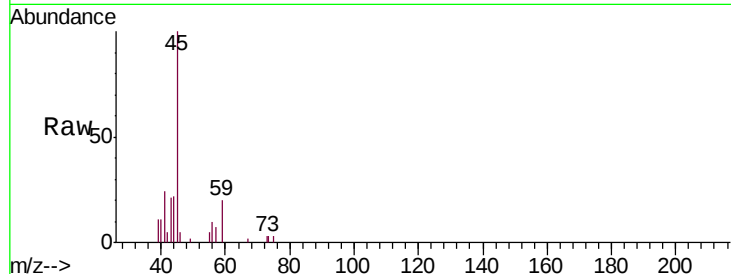




#41
Methacrylonitrile
Concen: 1.950 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

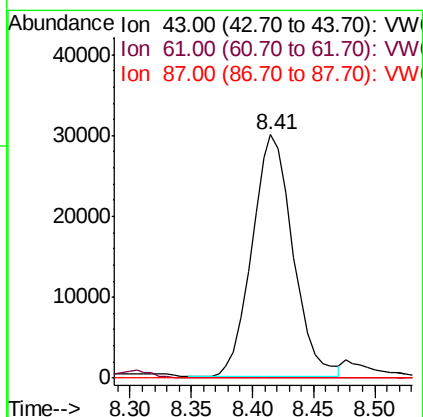
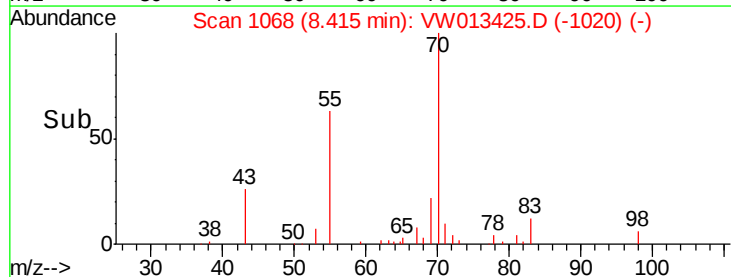
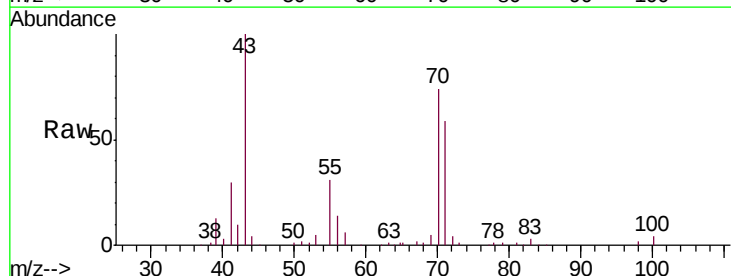
Instrument :
MSVOA_W
ClientSampled :
RO-3-1

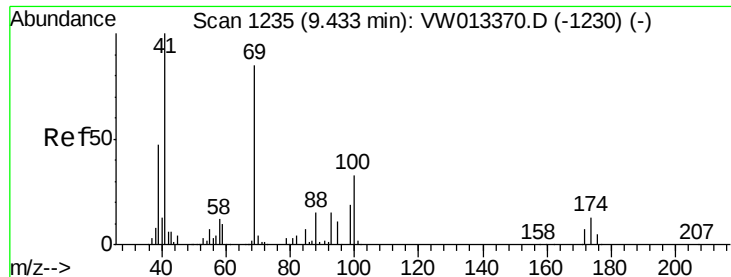
Tgt Ion:	41	Resp:	1717
Ion	Ratio	Lower	Upper
41	100		
39	9.4	45.9	68.9#
67	0.0	54.5	81.7#
52	1.7	22.5	33.7#



#43
Isopropyl Acetate
Concen: 25.478 ug/l
RT: 8.41 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion:	43	Resp:	70012
Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.5	38.3#
87	0.0	11.0	16.4#

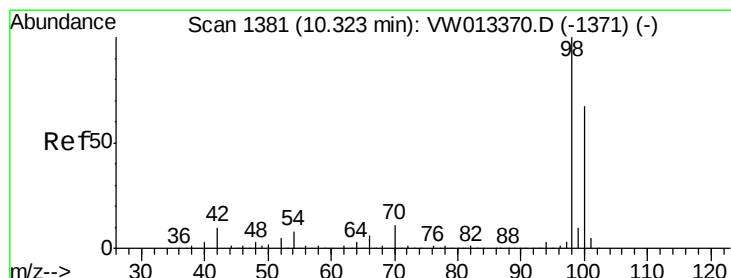
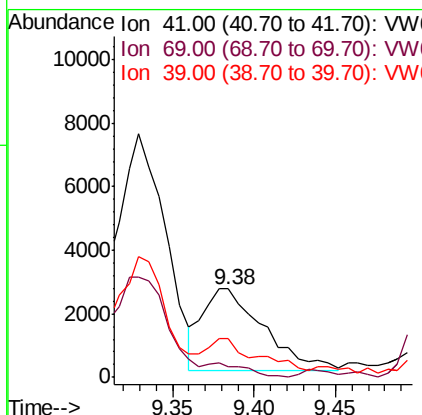
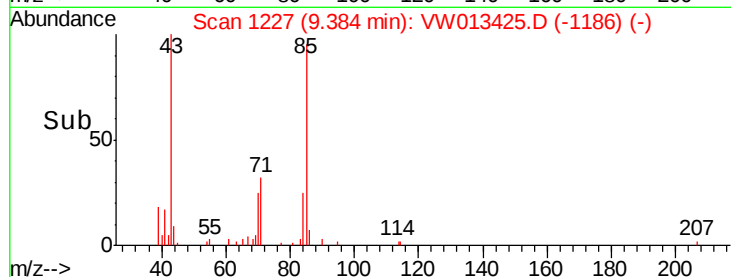
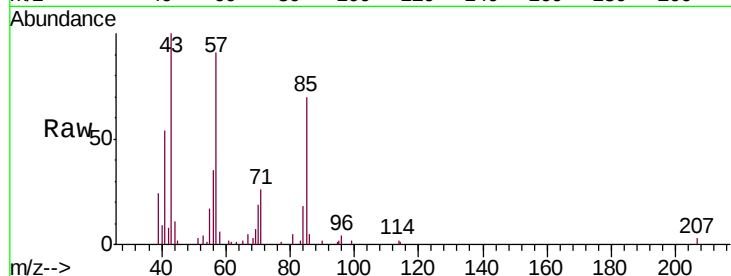




#48
Methyl methacrylate
Concen: 5.058 ug/l
RT: 9.38 min Scan# 1227
Delta R.T. -0.05 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

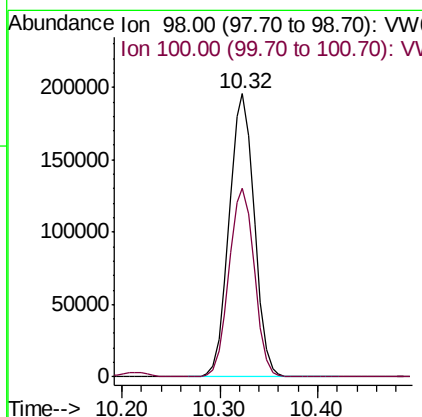
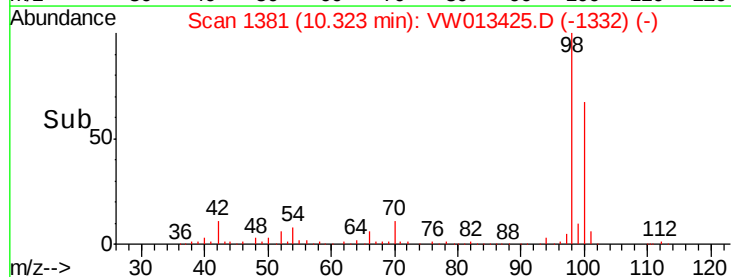
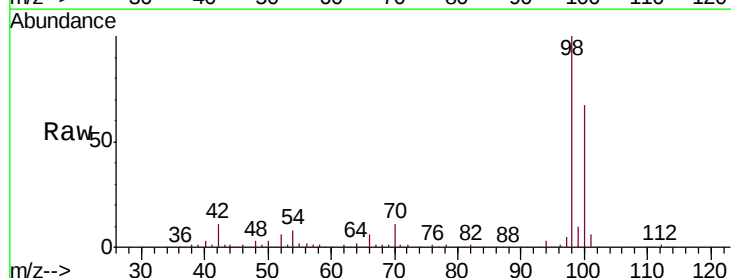
Instrument :
MSVOA_W
ClientSampleId :
RO-3-1

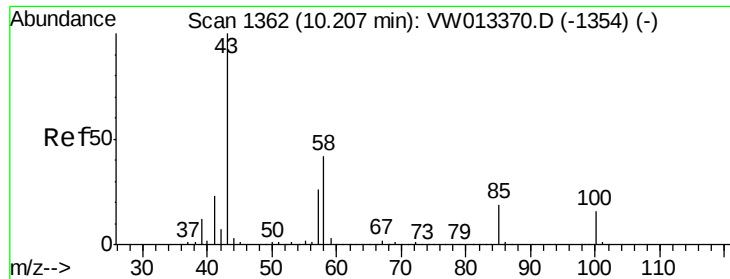
Tgt Ion: 41 Resp: 6679
Ion Ratio Lower Upper
41 100
69 0.0 69.7 104.5#
39 38.1 41.1 61.7#



#50
Toluene-d8
Concen: 44.914 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion: 98 Resp: 348341
Ion Ratio Lower Upper
98 100
100 67.1 52.9 79.3

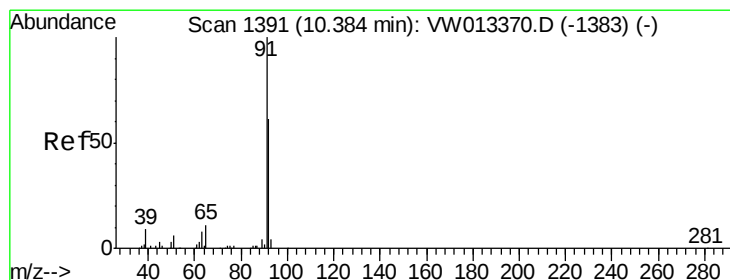
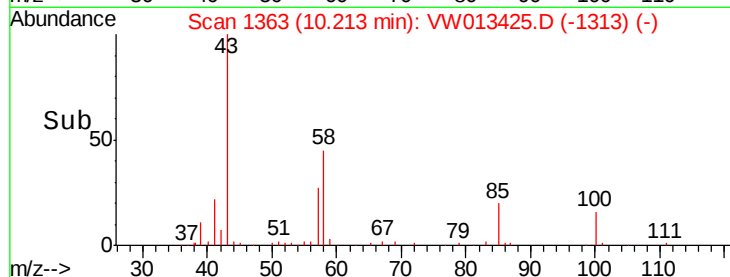
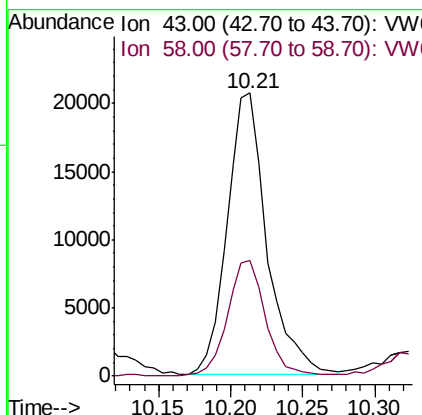
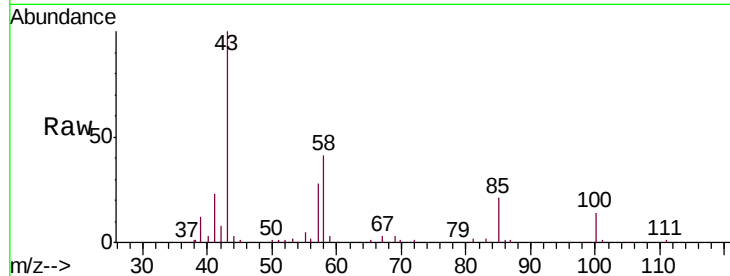




#51
 4-Methyl-2-Pentanone
 Concen: 27.691 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW013425.D
 Acq: 03 Oct 2019 17:02

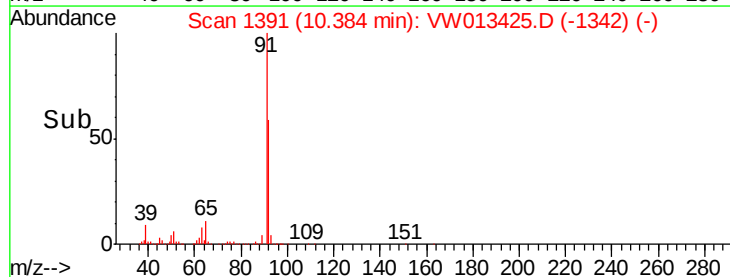
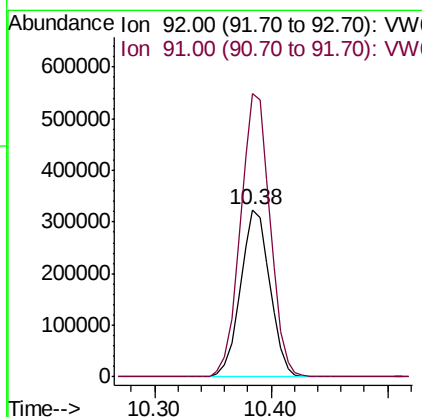
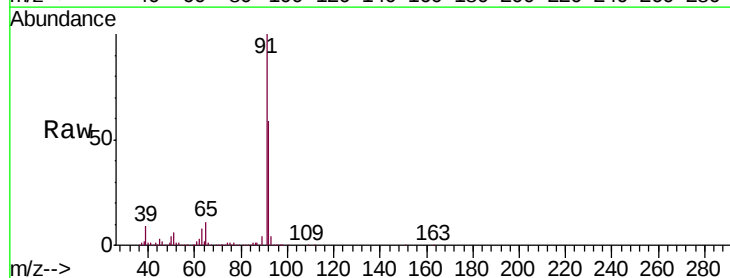
Instrument :
 MSVOA_W
 ClientSampled :
 RO-3-1

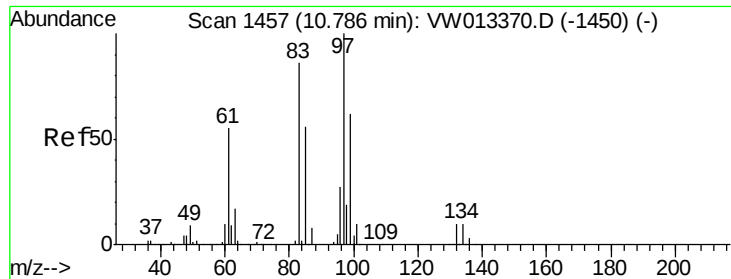
Tgt Ion: 43 Resp: 39980
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.7 47.5



#52
 Toluene
 Concen: 94.108 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013425.D
 Acq: 03 Oct 2019 17:02

Tgt Ion: 92 Resp: 568441
 Ion Ratio Lower Upper
 92 100
 91 170.8 135.7 203.5

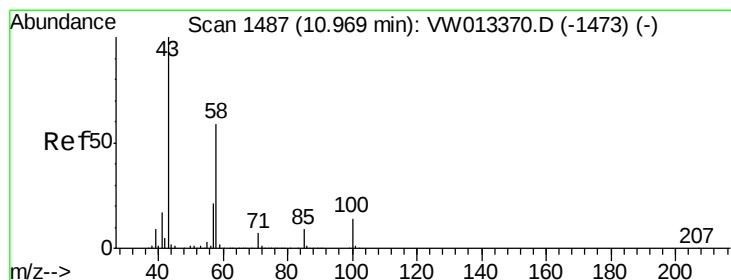
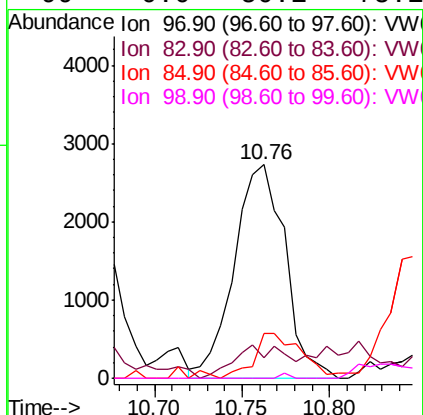
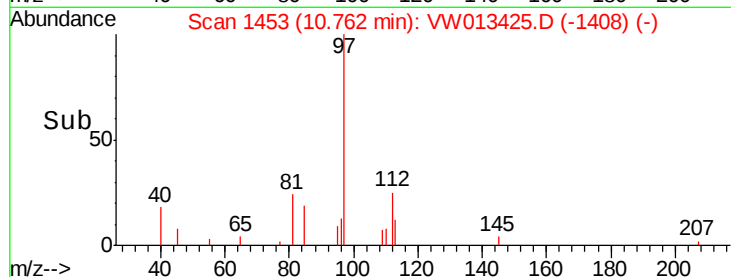
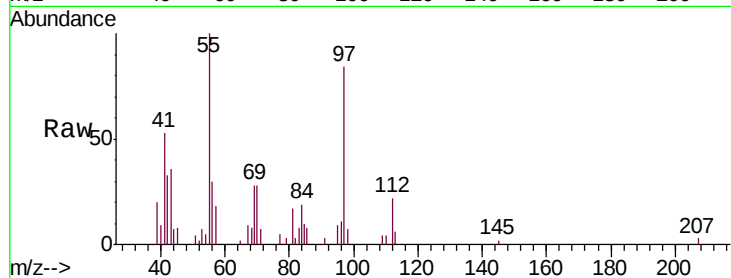




#55
 1,1,2-Trichloroethane
 Concen: 3.314 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW013425.D
 Acq: 03 Oct 2019 17:02

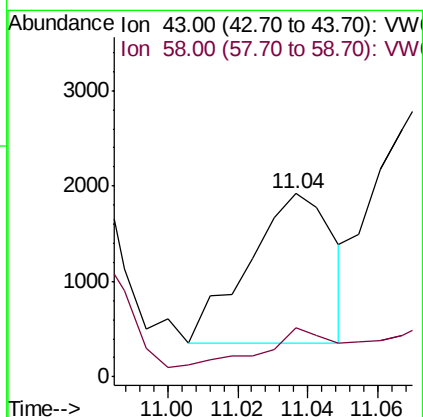
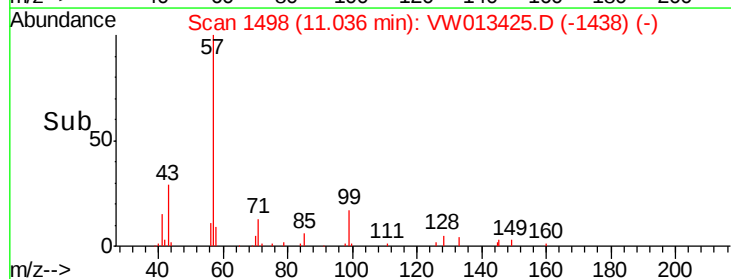
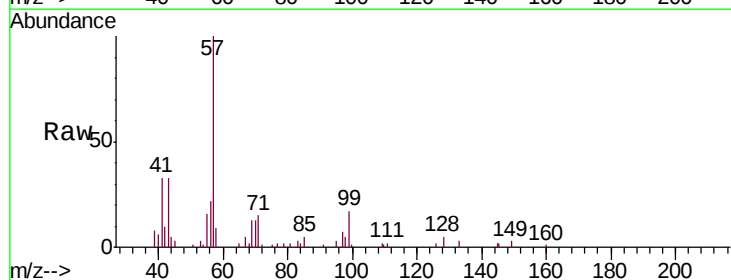
Instrument :
 MSVOA_W
 ClientSampled :
 RO-3-1

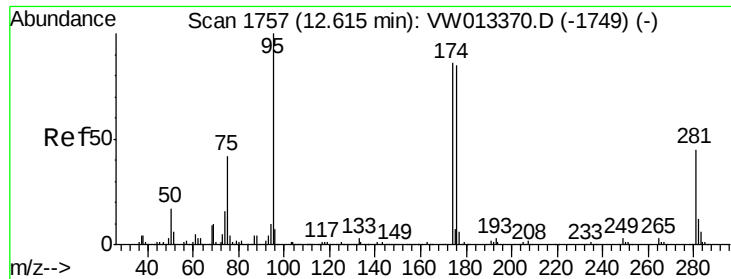
Tgt Ion: 97 Resp: 5536
 Ion Ratio Lower Upper
 97 100
 83 5.4 67.6 101.4#
 85 20.9 41.9 62.9#
 99 0.0 50.1 75.1#



#59
 2-Hexanone
 Concen: 2.653 ug/l
 RT: 11.04 min Scan# 1498
 Delta R.T. 0.07 min
 Lab File: VW013425.D
 Acq: 03 Oct 2019 17:02

Tgt Ion: 43 Resp: 2655
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.1 84.2

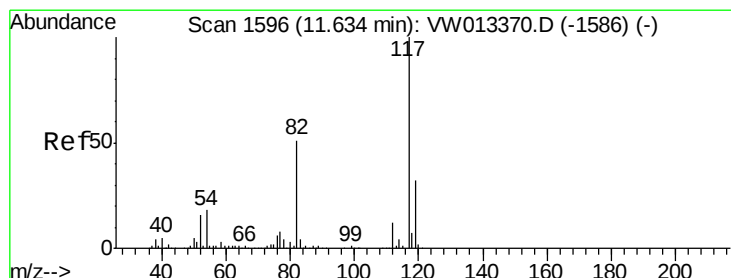
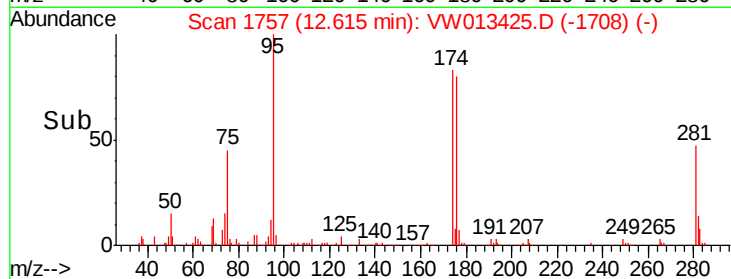
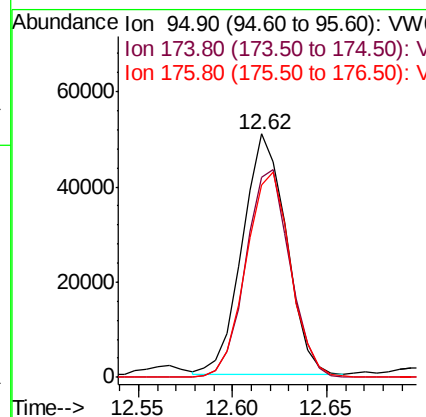
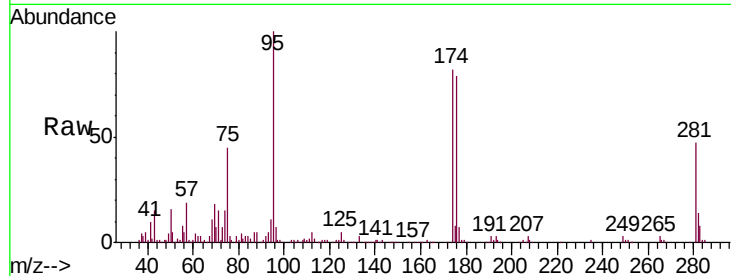




#62
4-Bromofluorobenzene
Concen: 31.718 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

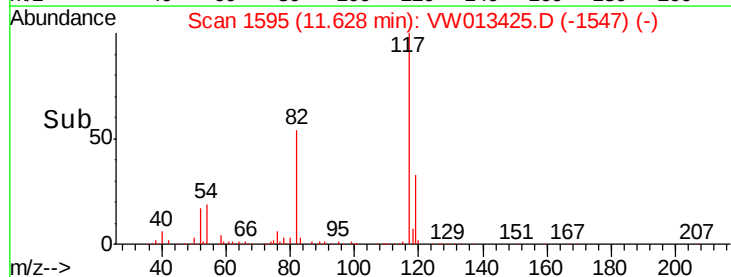
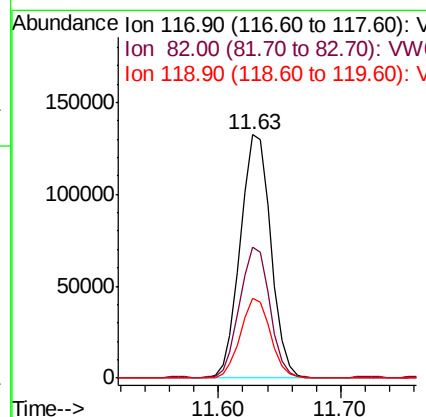
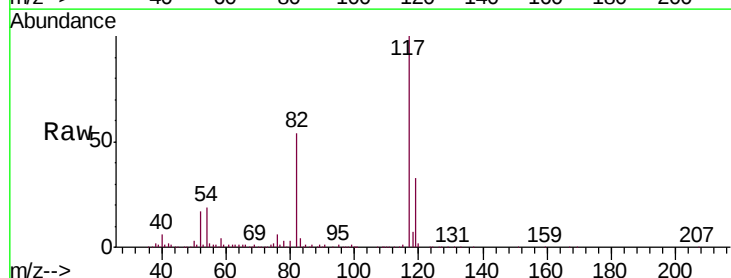
Instrument :
MSVOA_W
ClientSampleId :
RO-3-1

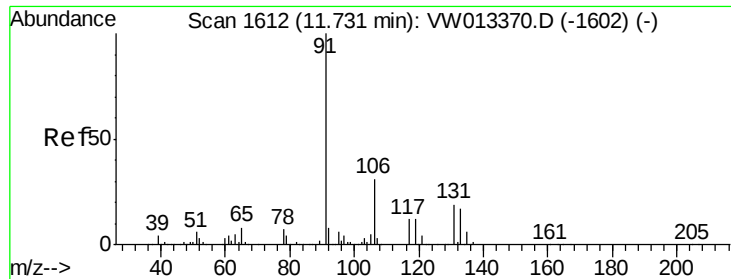
Tgt Ion: 95 Resp: 82149
Ion Ratio Lower Upper
95 100
174 86.7 0.0 178.4
176 86.0 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion: 117 Resp: 229188
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 32.8 26.2 39.2

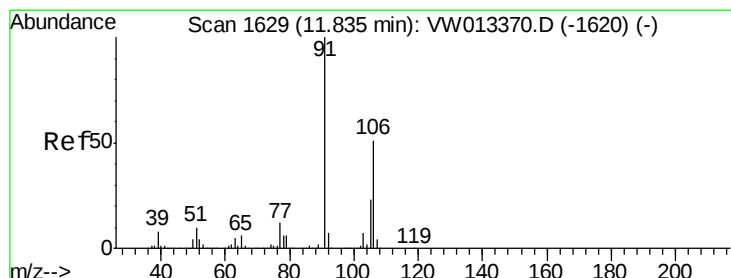
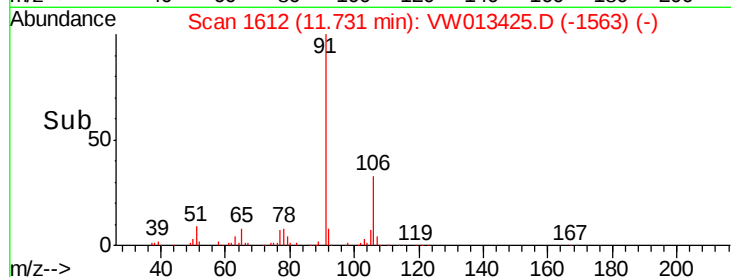
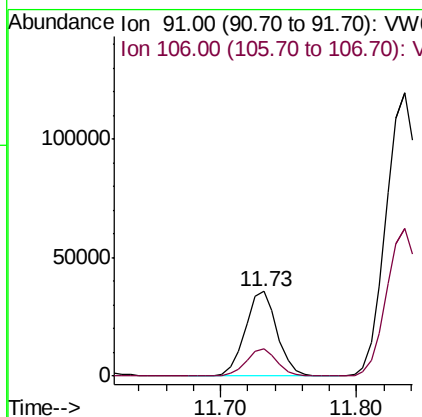
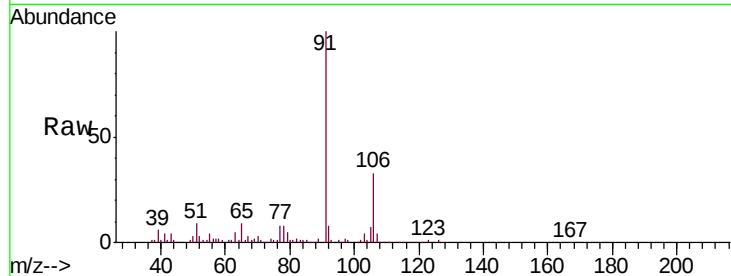




#67
Ethyl Benzene
Concen: 6.891 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

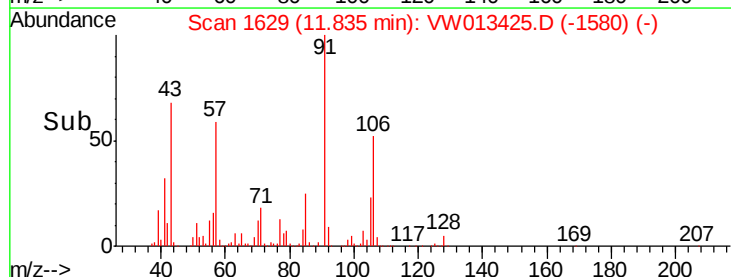
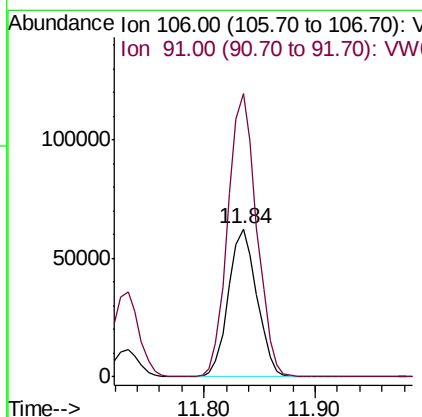
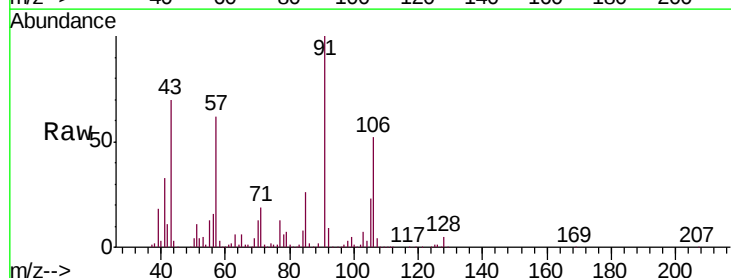
Instrument :
MSVOA_W
ClientSampleId :
RO-3-1

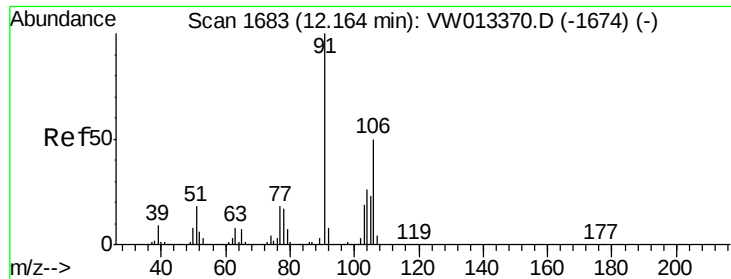
Tgt Ion: 91 Resp: 57990
Ion Ratio Lower Upper
91 100
106 33.0 24.9 37.3



#68
m/p-Xylenes
Concen: 34.215 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion: 106 Resp: 111136
Ion Ratio Lower Upper
106 100
91 192.2 157.9 236.9

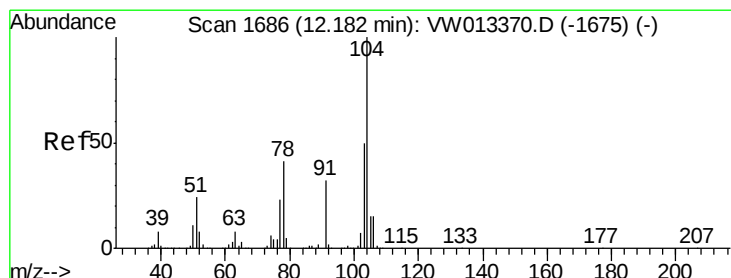
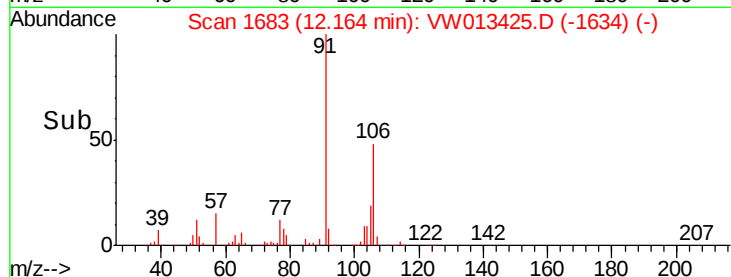
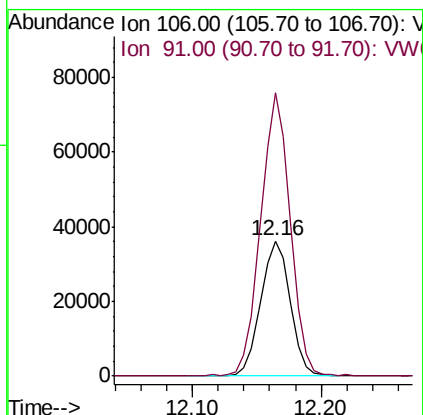
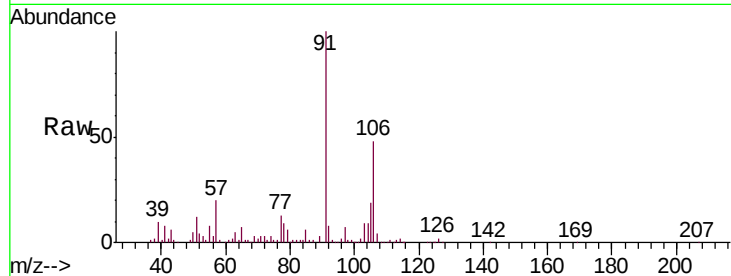




#69
o-Xylene
Concen: 19.073 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

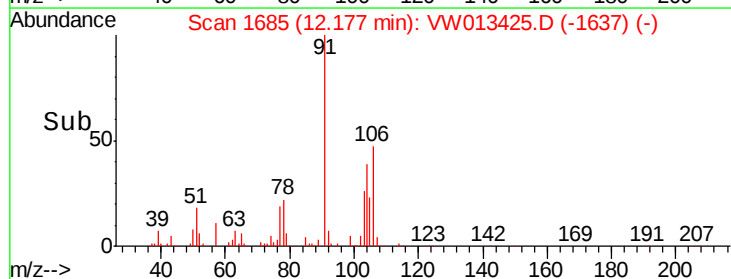
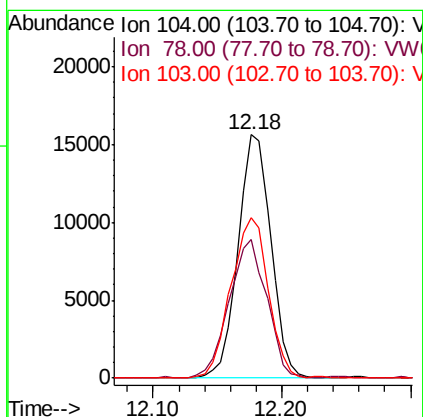
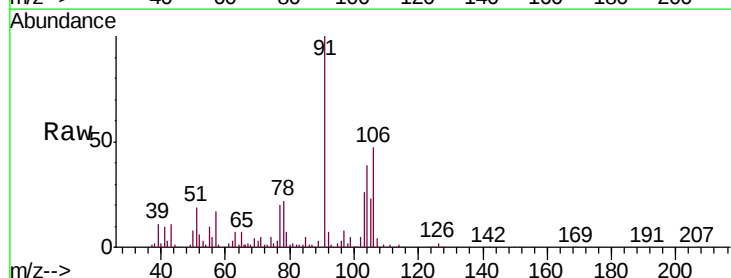
Instrument :
MSVOA_W
ClientSampled :
RO-3-1

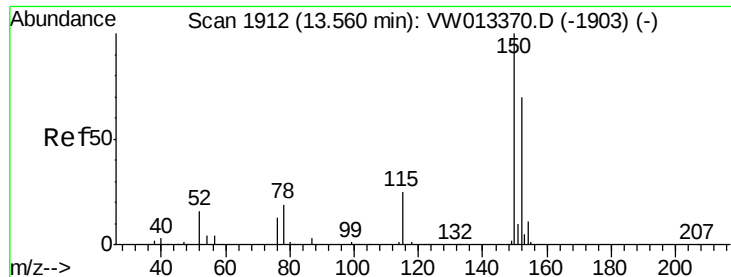
Tgt Ion:106 Resp: 57282
Ion Ratio Lower Upper
106 100
91 209.3 106.5 319.5



#70
Styrene
Concen: 5.383 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion:104 Resp: 27633
Ion Ratio Lower Upper
104 100
78 65.5 38.4 57.6#
103 74.9 43.3 64.9#

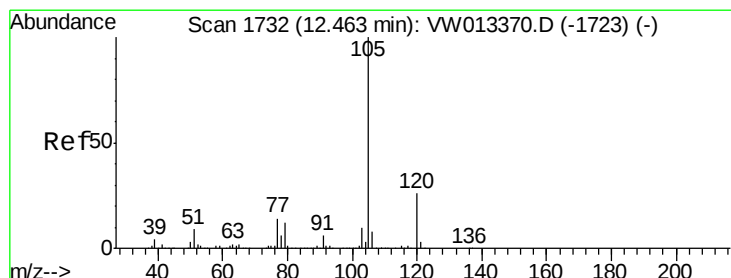
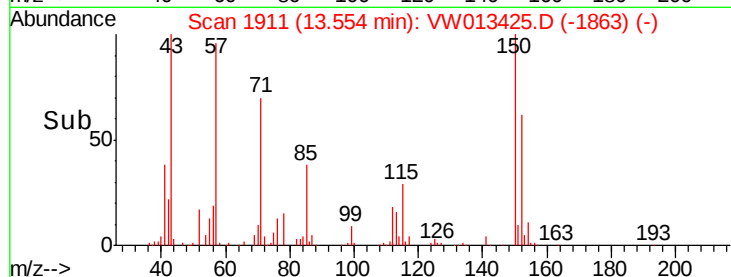
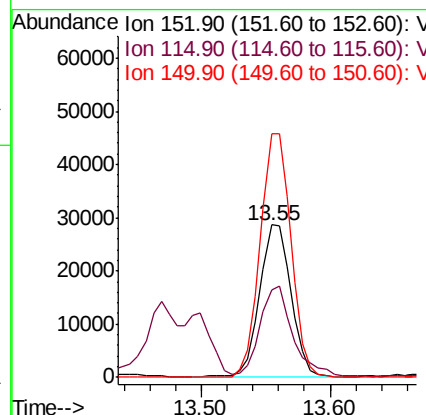
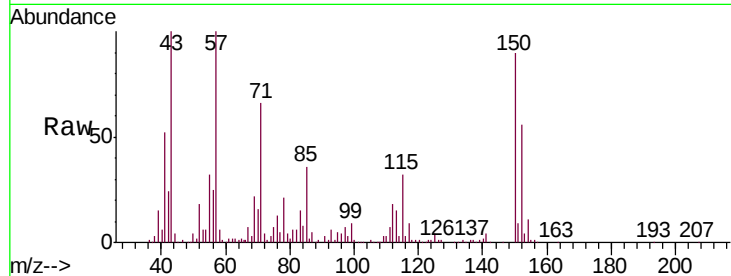




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013425.D
 Acq: 03 Oct 2019 17:02

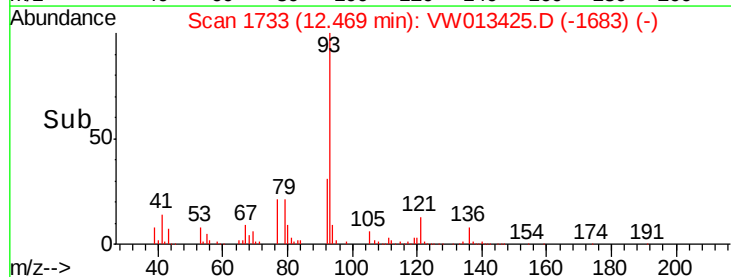
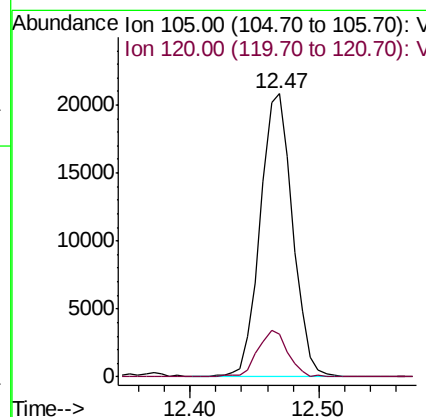
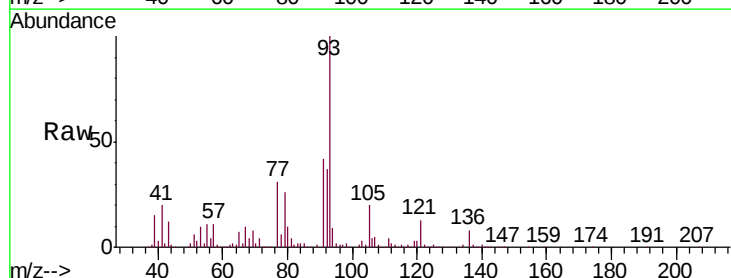
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-3-1

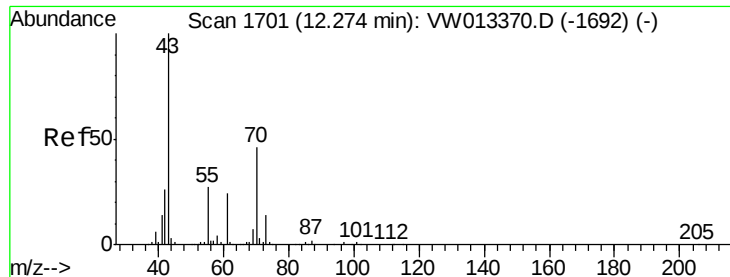
Tgt Ion:152 Resp: 48623
 Ion Ratio Lower Upper
 152 100
 115 60.7 27.3 81.9
 150 155.2 0.0 349.0



#73
 Isopropylbenzene
 Concen: 10.211 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. 0.01 min
 Lab File: VW013425.D
 Acq: 03 Oct 2019 17:02

Tgt Ion:105 Resp: 36317
 Ion Ratio Lower Upper
 105 100
 120 15.2 13.4 40.1

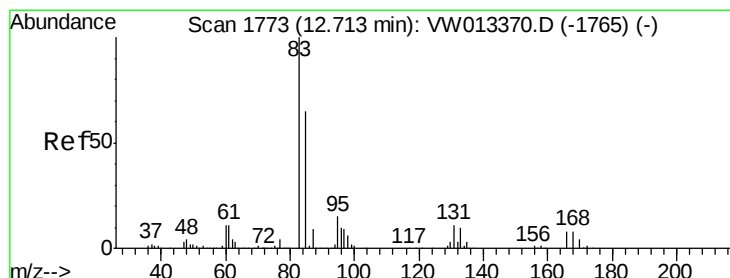
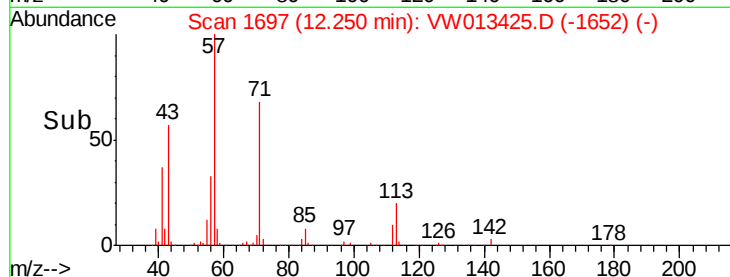
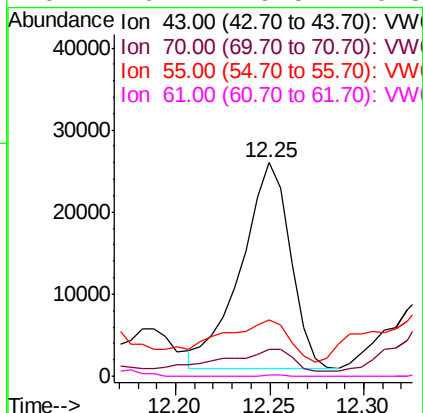
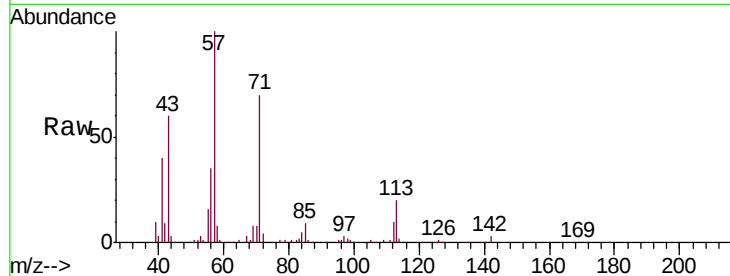




#74
N-amyI acetate
Concen: 59.864 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

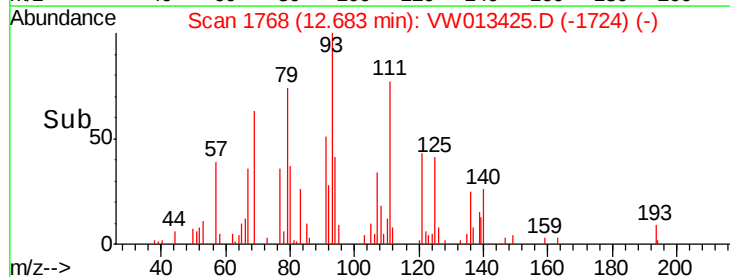
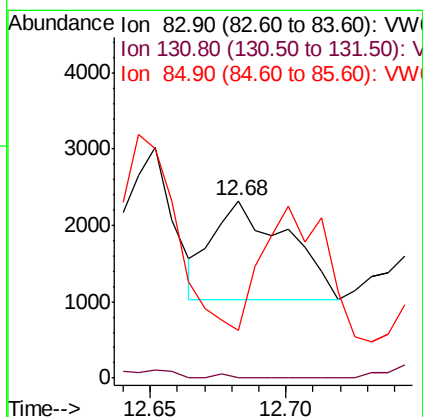
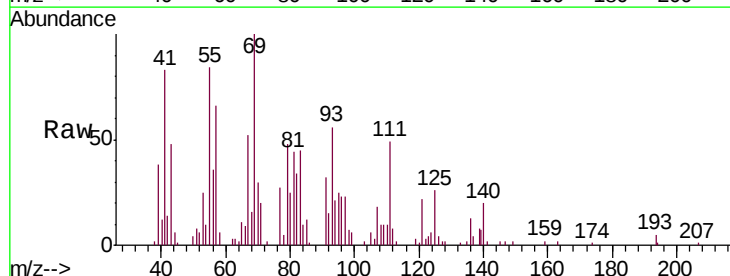
Instrument :
MSVOA_W
ClientSampleId :
RO-3-1

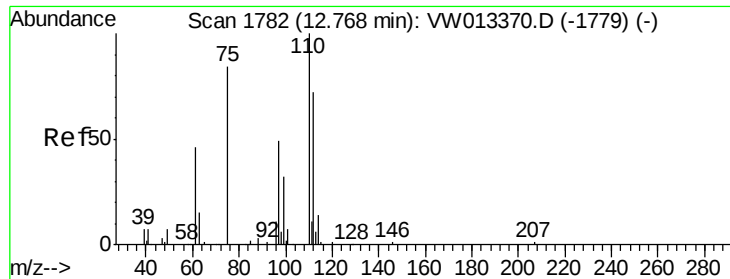
Tgt Ion: 43 Resp: 45313
Ion Ratio Lower Upper
43 100
70 14.9 35.1 52.7#
55 27.1 19.9 29.9
61 0.2 19.5 29.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 4.017 ug/l
RT: 12.68 min Scan# 1768
Delta R.T. -0.03 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion: 83 Resp: 2418
Ion Ratio Lower Upper
83 100
131 0.9 5.4 16.2#
85 0.0 31.9 95.9#

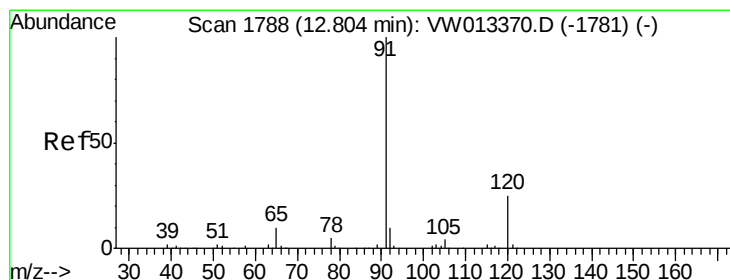
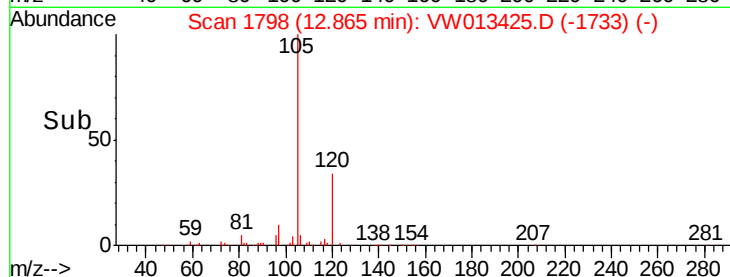
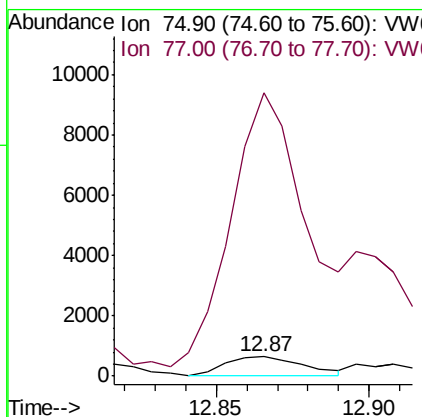
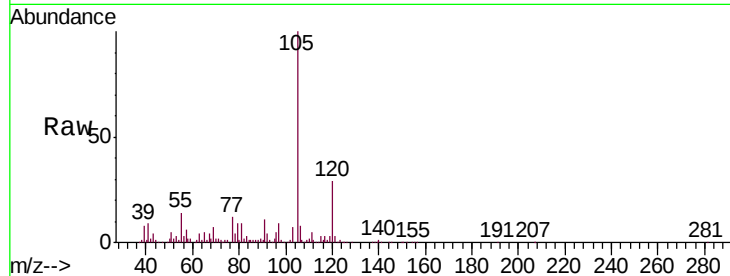




#76
 1,2,3-Trichloropropane
 Concen: 2.670 ug/l
 RT: 12.87 min Scan# 1798
 Delta R.T. 0.10 min
 Lab File: VW013425.D
 Acq: 03 Oct 2019 17:02

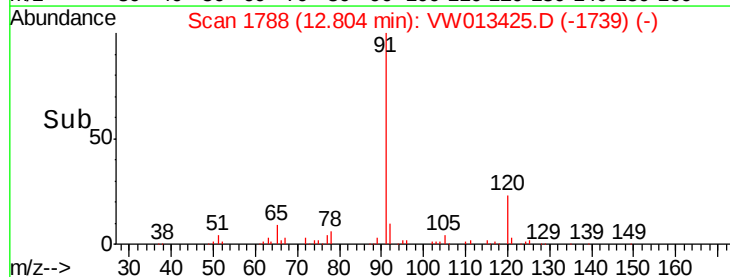
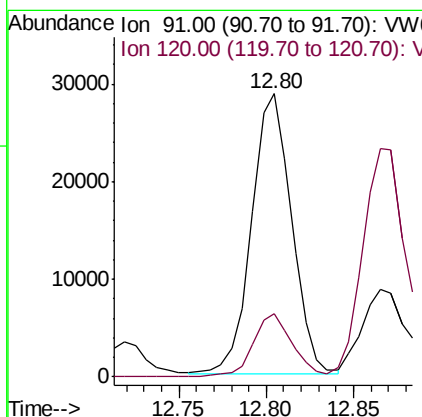
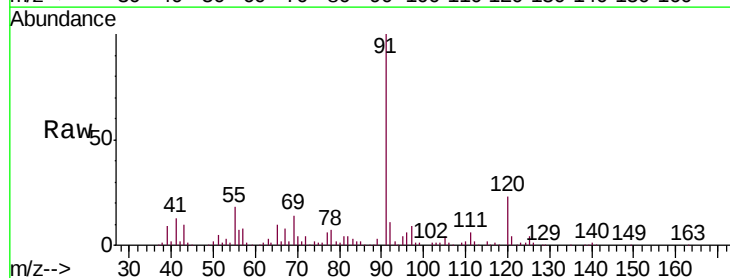
Instrument :
 MSVOA_W
 ClientSampled :
 RO-3-1

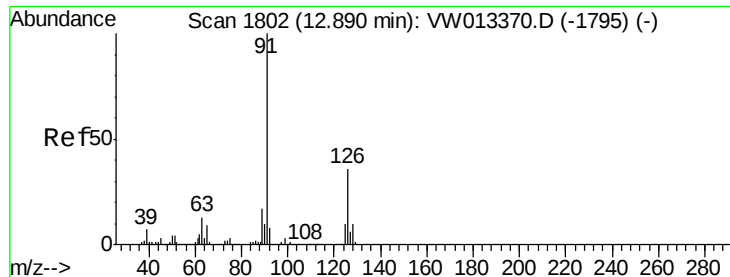
Tgt Ion: 75 Resp: 1154
 Ion Ratio Lower Upper
 75 100
 77 1351.0 0.0 0.0#



#78
 n-propylbenzene
 Concen: 11.158 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: VW013425.D
 Acq: 03 Oct 2019 17:02

Tgt Ion: 91 Resp: 45650
 Ion Ratio Lower Upper
 91 100
 120 22.0 11.7 35.1





#79

2-Chlorotoluene

Concen: 8.773 ug/l

RT: 12.87 min Scan# 1798

Delta R.T. -0.02 min

Lab File: VW013425.D

Acq: 03 Oct 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

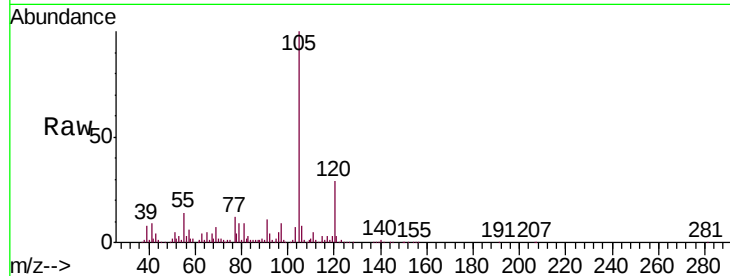
RO-3-1

Tgt Ion: 91 Resp: 19936

Ion Ratio Lower Upper

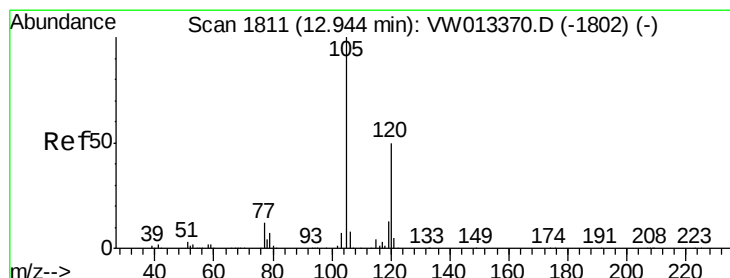
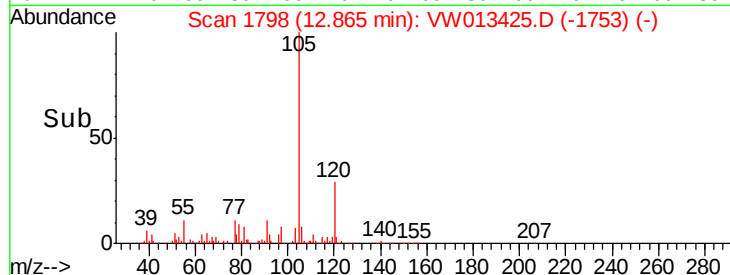
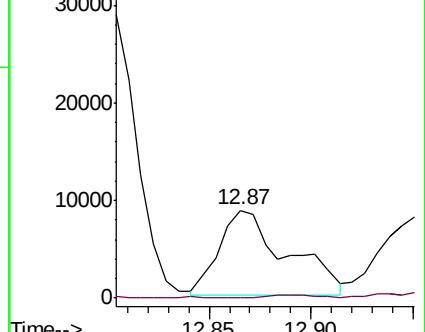
91 100

126 0.0 17.2 51.5#



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: 23.818 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013425.D

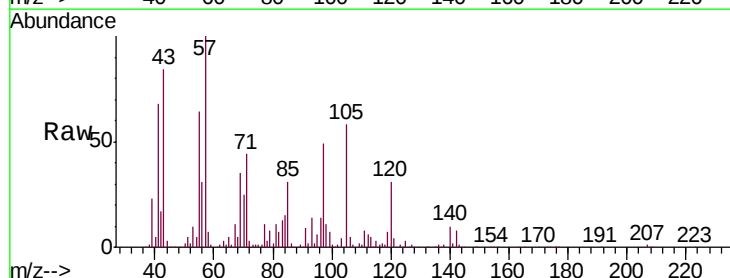
Acq: 03 Oct 2019 17:02

Tgt Ion: 105 Resp: 70370

Ion Ratio Lower Upper

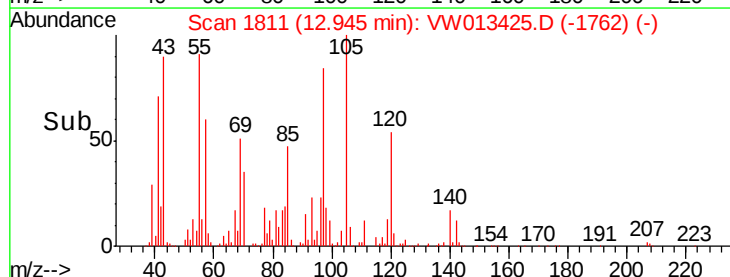
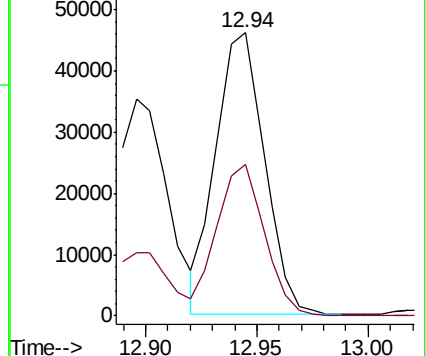
105 100

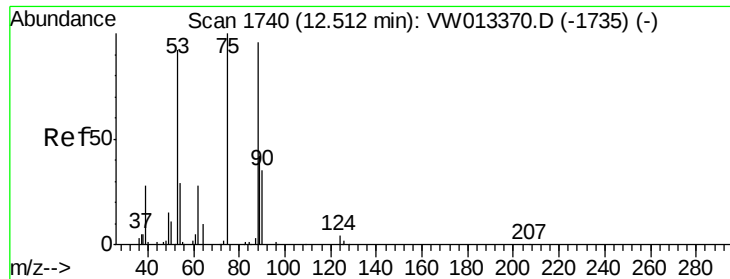
120 52.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

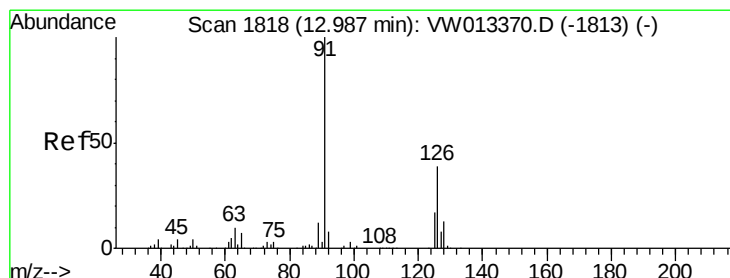
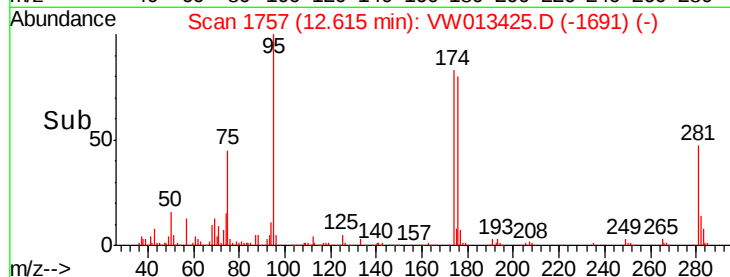
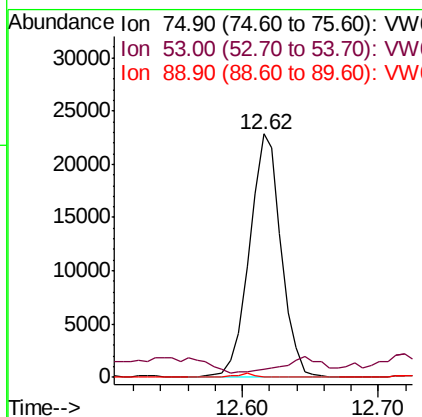
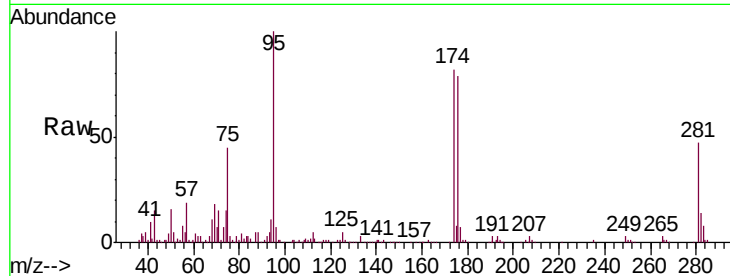




#81
trans-1,4-Dichloro-2-butene
Concen: 171.885 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

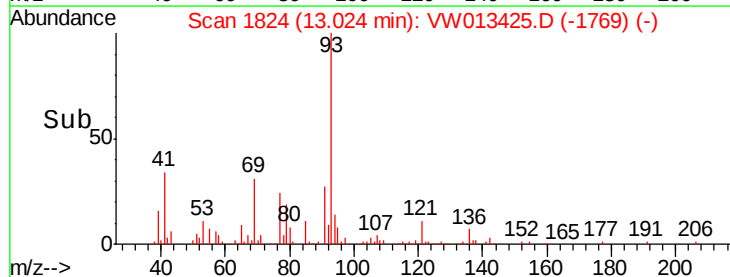
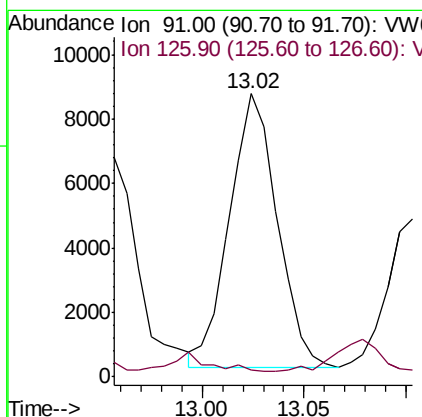
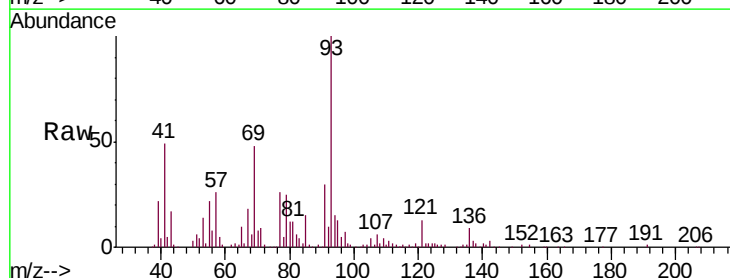
Instrument :
MSVOA_W
ClientSampleId :
RO-3-1

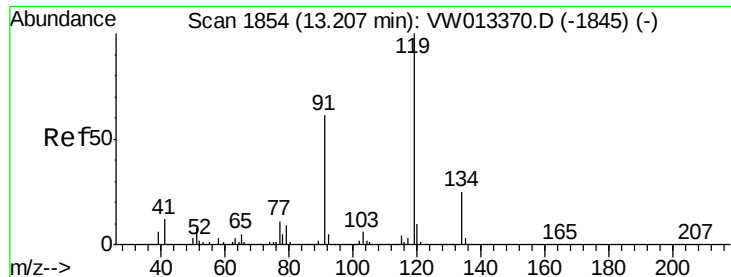
Tgt Ion: 75 Resp: 37202
Ion Ratio Lower Upper
75 100
53 0.0 76.6 114.8#
89 1.0 33.5 50.3#



#82
4-Chlorotoluene
Concen: 5.774 ug/l
RT: 13.02 min Scan# 1824
Delta R.T. 0.04 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion: 91 Resp: 13745
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.7#

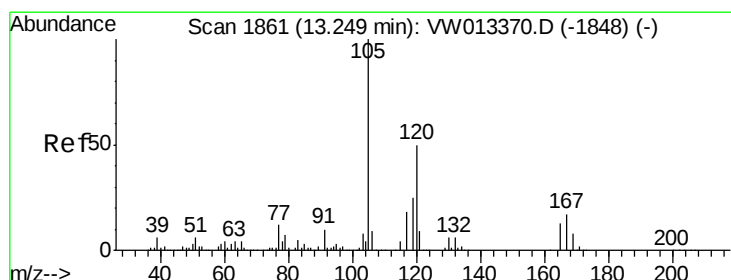
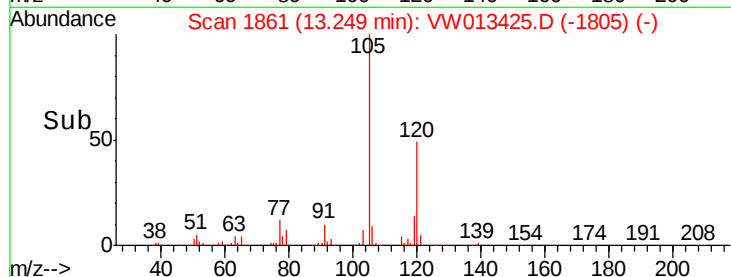
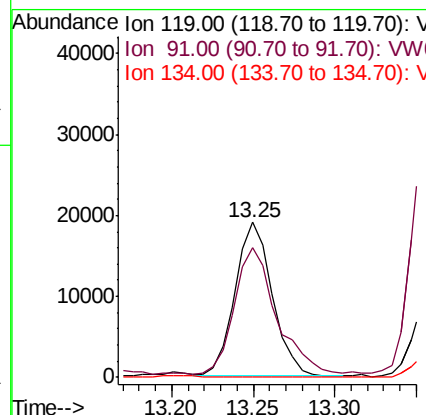
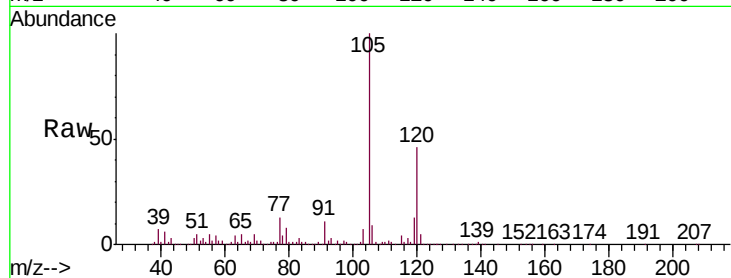




#83
tert-Butylbenzene
Concen: 11.760 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.04 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

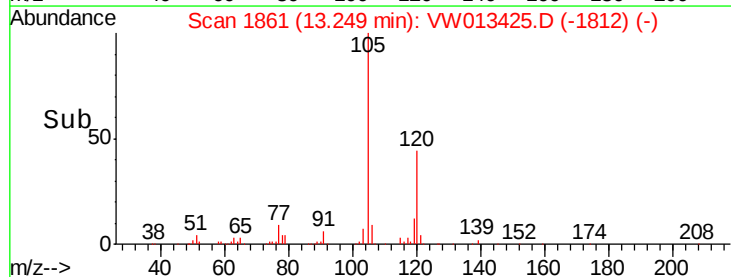
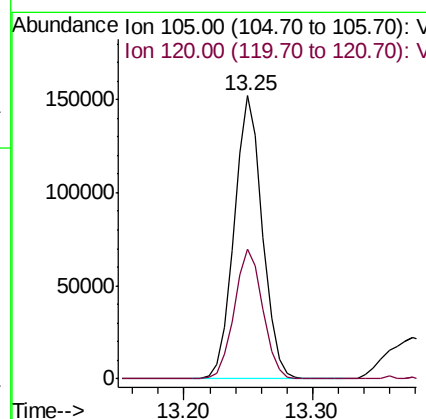
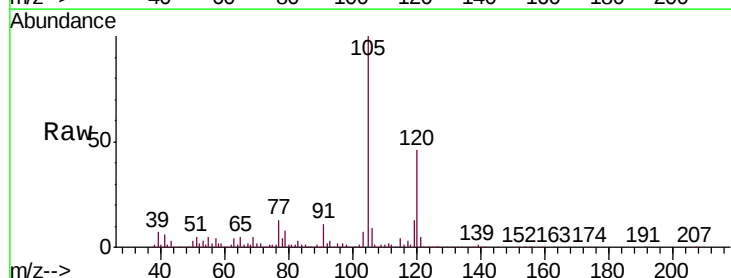
Instrument :
MSVOA_W
ClientSampleId :
RO-3-1

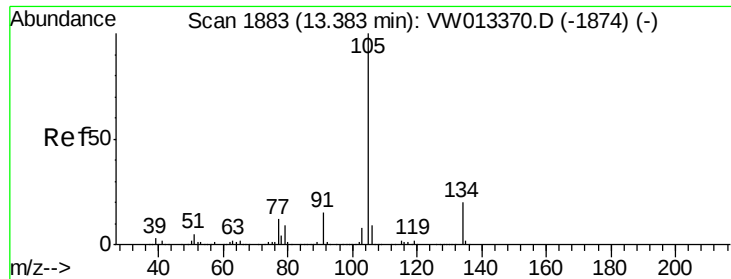
Tgt Ion:119 Resp: 30349
Ion Ratio Lower Upper
119 100
91 90.7 30.7 92.1
134 0.0 12.6 37.6#



#84
1,2,4-Trimethylbenzene
Concen: 78.959 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion:105 Resp: 231910
Ion Ratio Lower Upper
105 100
120 46.2 23.4 70.3

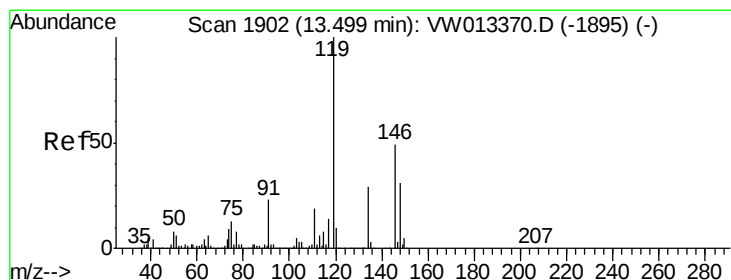
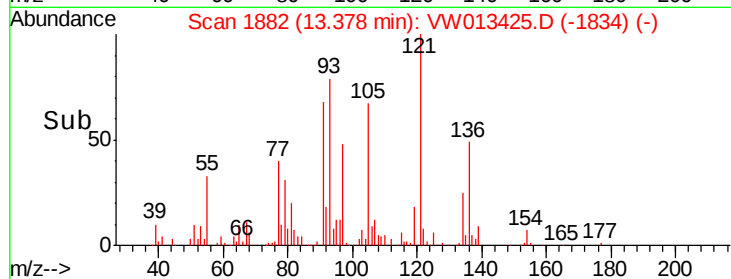
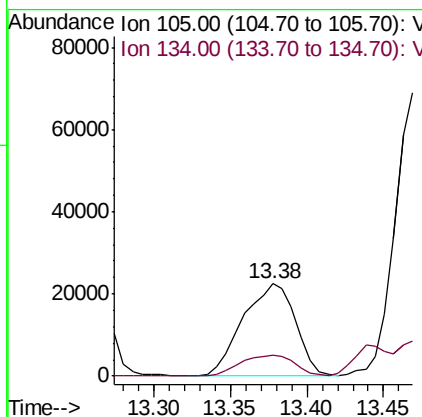
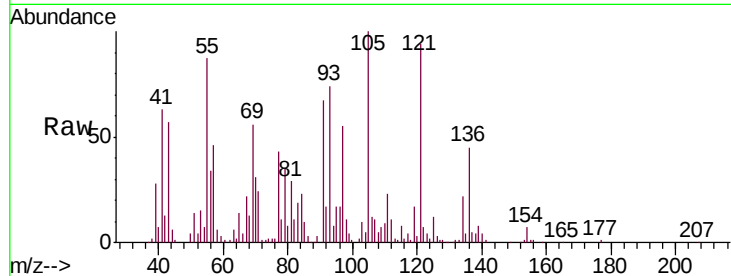




#85
 sec-Butylbenzene
 Concen: 15.006 ug/l
 RT: 13.38 min Scan# 1882
 Delta R.T. -0.01 min
 Lab File: VW013425.D
 Acq: 03 Oct 2019 17:02

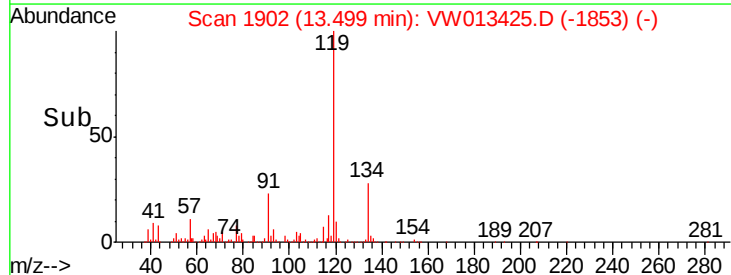
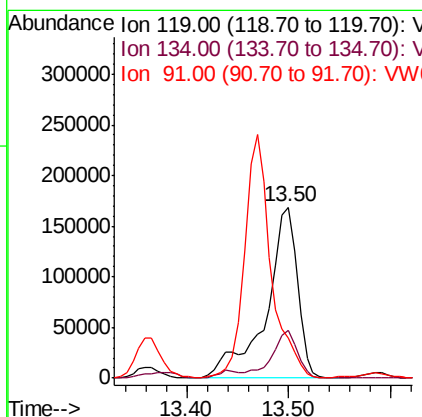
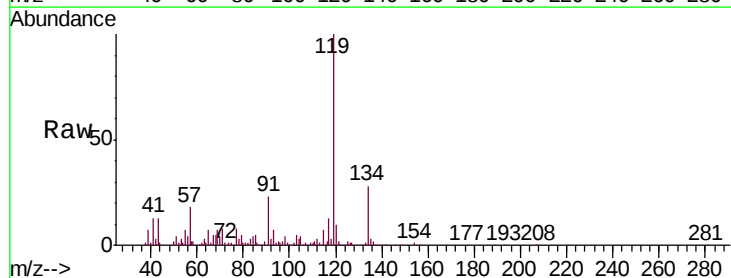
Instrument :
 MSVOA_W
 ClientSampled :
 RO-3-1

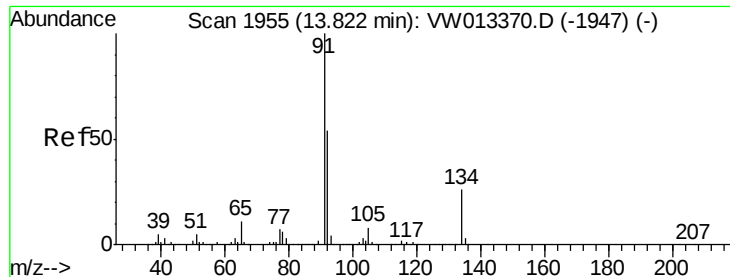
Tgt Ion:105 Resp: 53391
 Ion Ratio Lower Upper
 105 100
 134 24.0 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 108.165 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013425.D
 Acq: 03 Oct 2019 17:02

Tgt Ion:119 Resp: 356664
 Ion Ratio Lower Upper
 119 100
 134 22.4 13.3 39.8
 91 0.0 10.8 32.4#

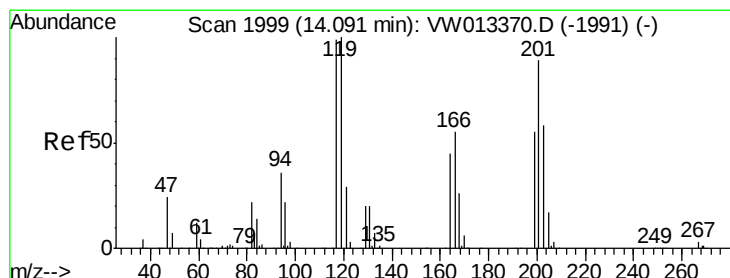
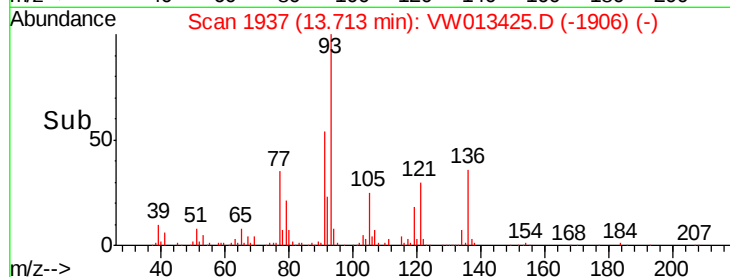
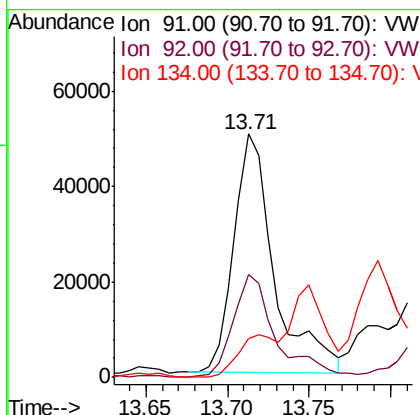
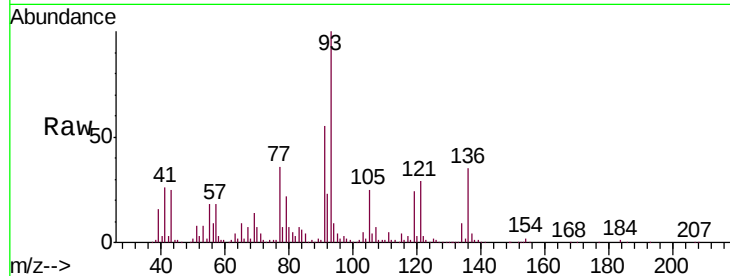




#89
n-Butylbenzene
Concen: 29.168 ug/l
RT: 13.71 min Scan# 1937
Delta R.T. -0.11 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

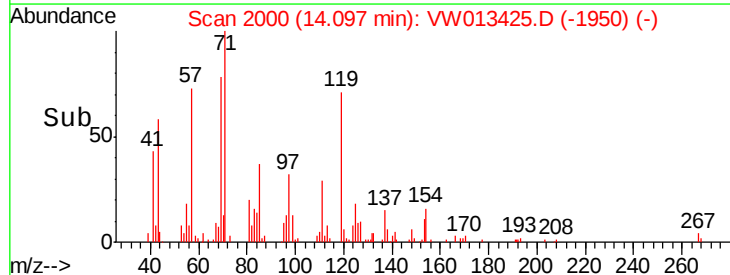
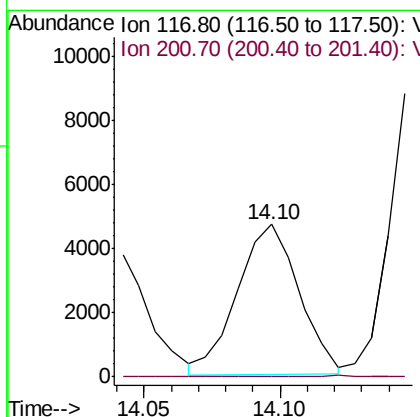
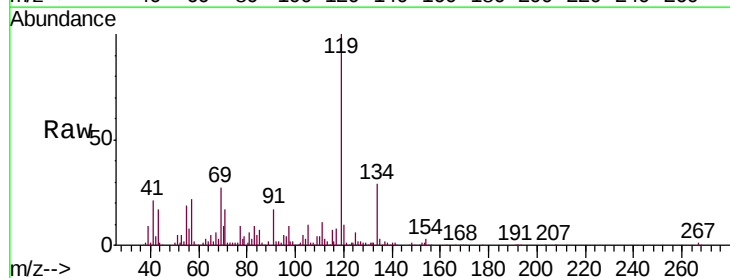
Instrument :
MSVOA_W
ClientSampleId :
RO-3-1

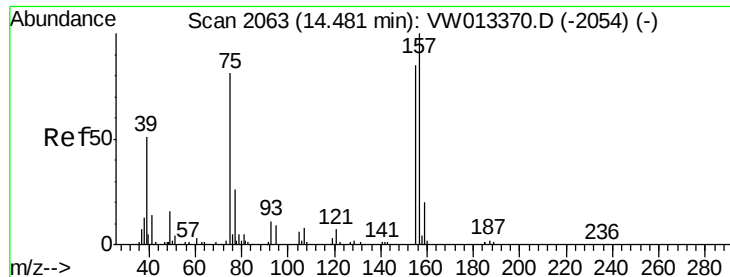
Tgt Ion: 91 Resp: 86712
Ion Ratio Lower Upper
91 100
92 44.4 27.6 82.8
134 17.0 13.7 41.1



#90
Hexachloroethane
Concen: 13.558 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion: 117 Resp: 7386
Ion Ratio Lower Upper
117 100
201 0.0 44.5 133.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.908 ug/l

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW013425.D

Acq: 03 Oct 2019 17:02

Instrument :

MSVOA_W

ClientSampled :

RO-3-1

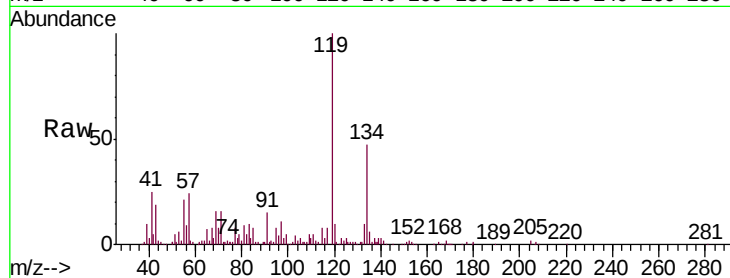
Tgt Ion: 75 Resp: 532

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

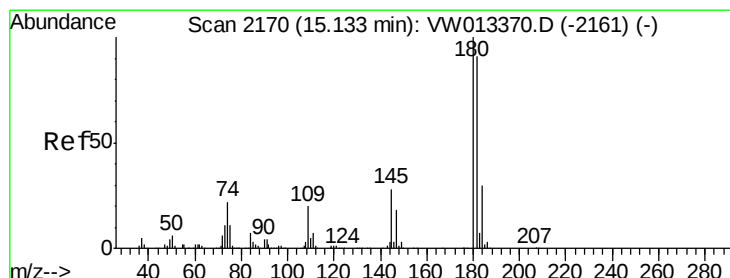
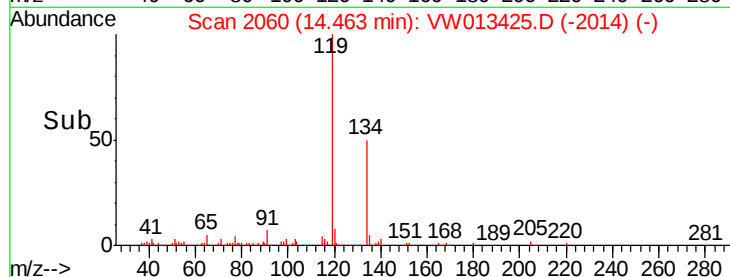
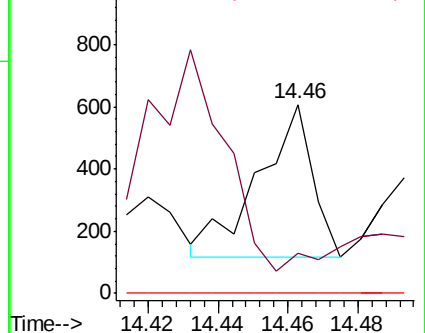
157 0.0 60.4 181.2#



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: 1.282 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VW013425.D

Acq: 03 Oct 2019 17:02

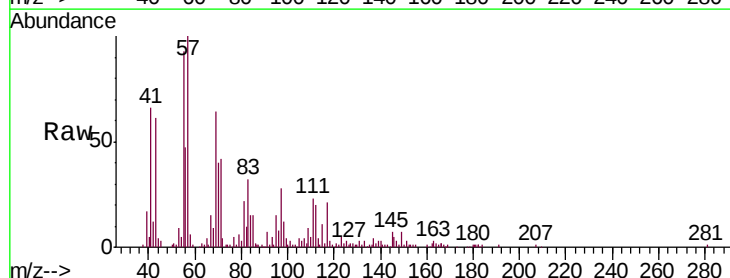
Tgt Ion: 180 Resp: 1307

Ion Ratio Lower Upper

180 100

182 82.7 47.3 142.0

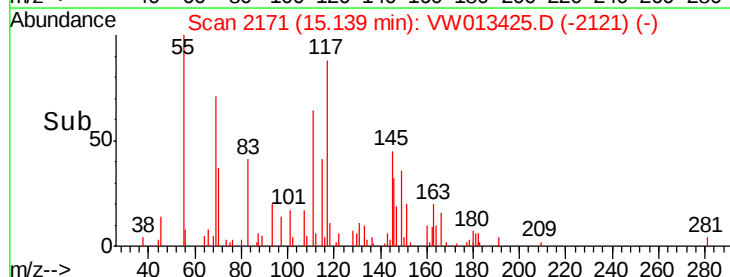
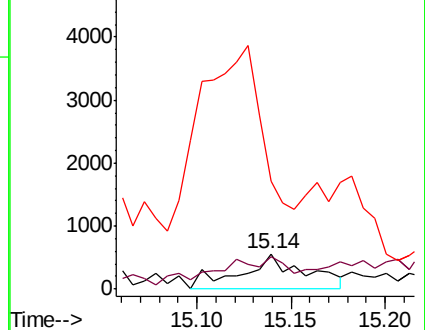
145 512.9 14.2 42.8#

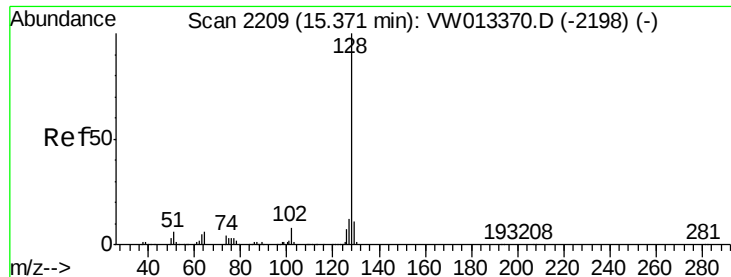


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

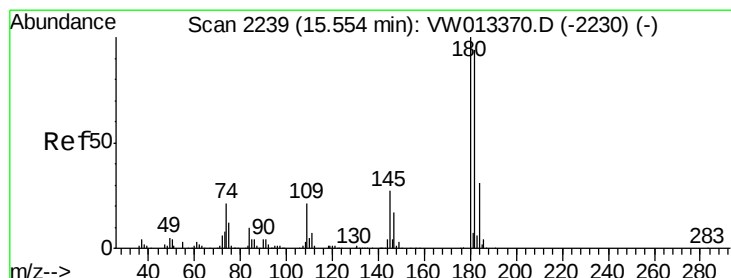
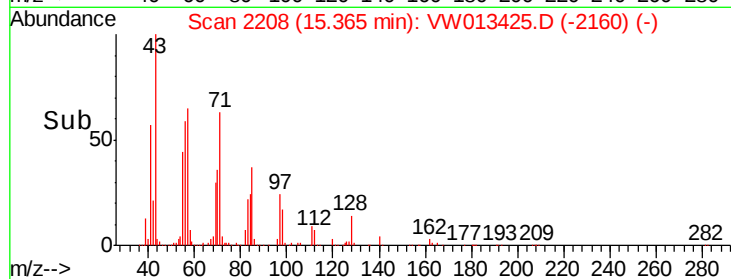
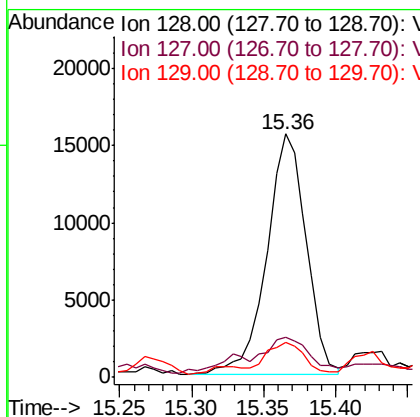
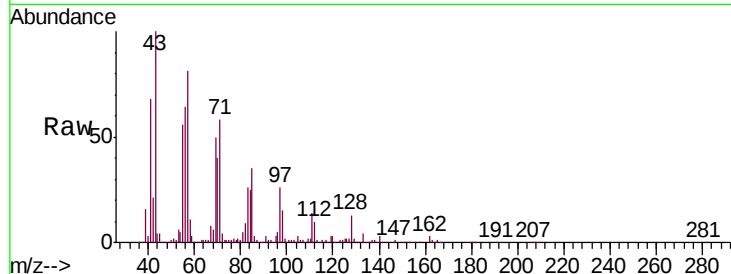




#95
Naphthalene
Concen: 17.053 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Instrument :
MSVOA_W
ClientSampled :
RO-3-1

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.6	10.6	15.8#
129	11.2	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.278 ug/l
RT: 15.52 min Scan# 2234
Delta R.T. -0.03 min
Lab File: VW013425.D
Acq: 03 Oct 2019 17:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	9.6	47.9	143.7#
145	404.7	15.0	45.0#

