

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056049.D
 Acq On : 6 Jun 2019 16:36
 Operator : JC/SP
 Sample : K3203-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC50MW002-190604

Quant Time: Jun 07 05:27:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	335081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	507391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	177200	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	7.59	113	157348	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.09	98	646453	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
62) 4-Bromofluorobenzene	12.40	95	199936	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	

Target Compounds

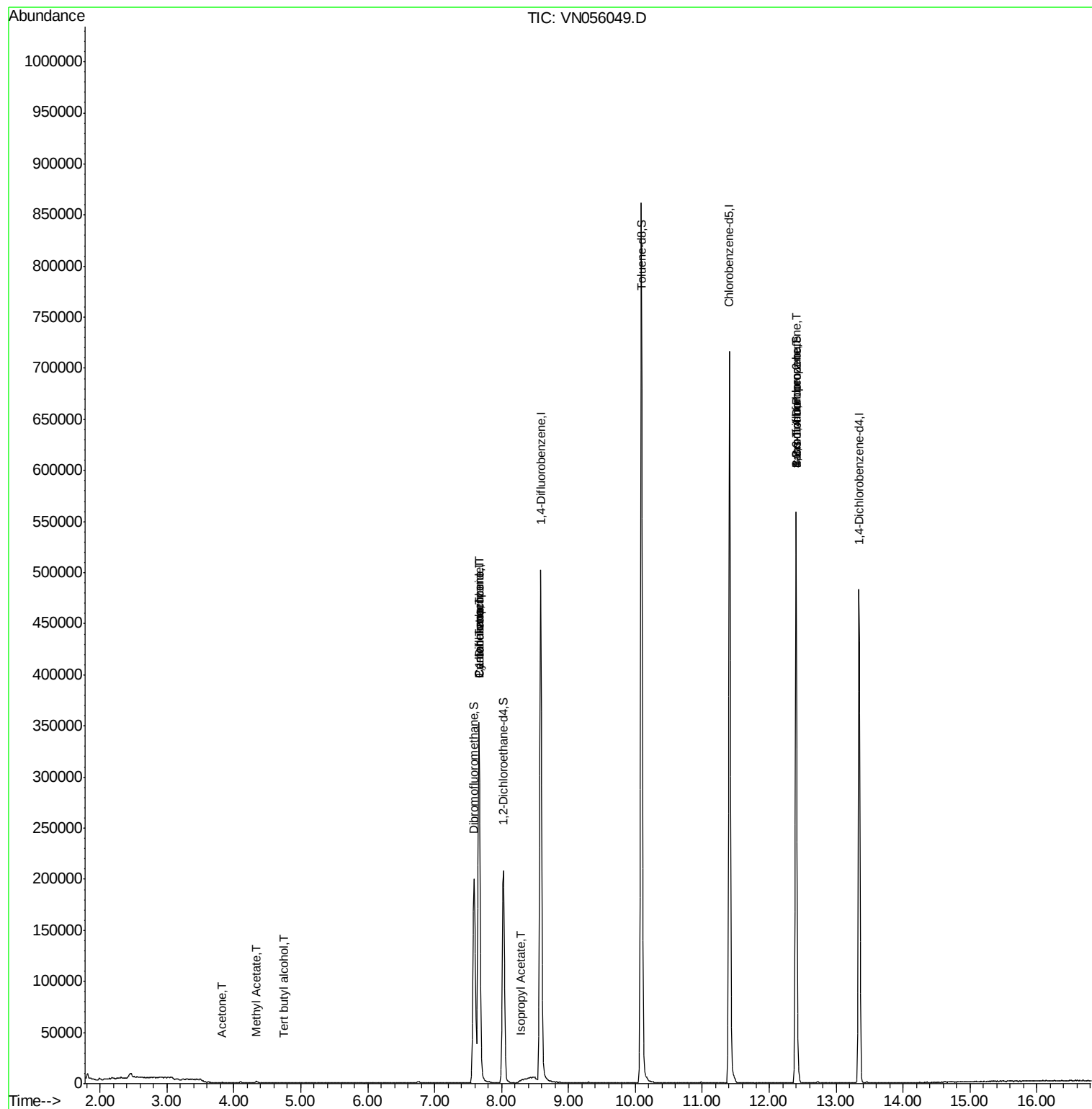
					Qvalue	
11) Tert butyl alcohol	4.74	59	253	0.437	ug/l #	74
16) Acetone	3.83	43	862	0.542	ug/l #	41
18) Methyl Acetate	4.33	43	2886	0.349	ug/l #	86
31) Cyclohexane	7.66	56	4854	0.919	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19054	4.367	ug/l #	47
38) Carbon Tetrachloride	7.66	117	27537	6.846	ug/l #	15
43) Isopropyl Acetate	8.28	43	1451	0.231	ug/l #	53
71) Bromoform	12.40	173	1574	3.286	ug/l #	1
73) Isopropylbenzene	12.40	105	104	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	90579	32.688	ug/l #	100
79) 2-Chlorotoluene	12.40	91	479	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	90579	108.857	ug/l #	15

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

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Quant Time: Jun 07 05:27:06 2019
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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056049.D

Acq: 6 Jun 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

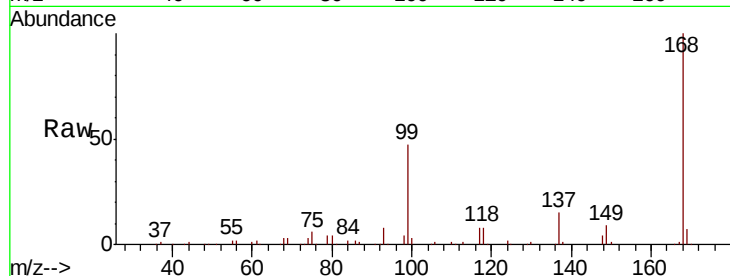
AOC50MW002-190604

Tot Ion:168 Resp: 335081

Ion Ratio Lower Upper

168 100

99 46.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

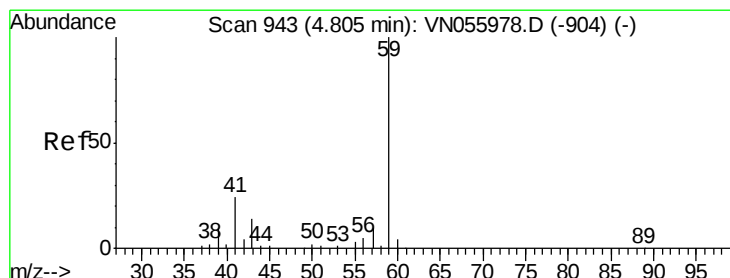
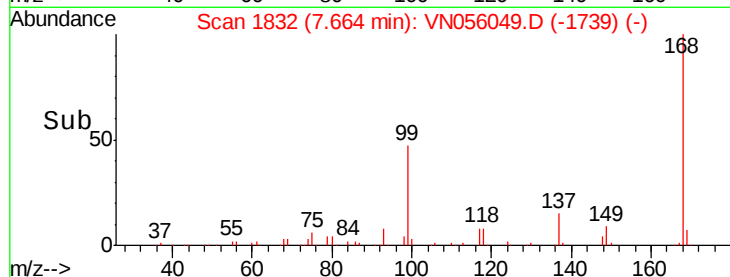
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.437 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.06 min

Lab File: VN056049.D

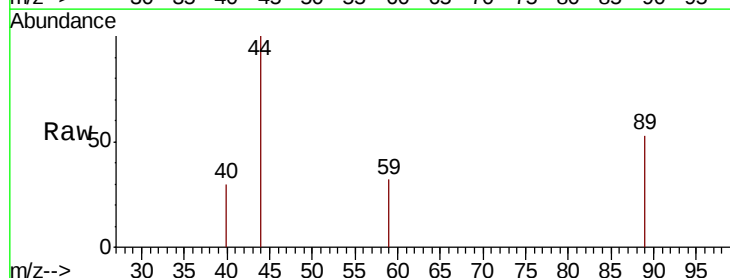
Acq: 6 Jun 2019 16:36

Tgt Ion: 59 Resp: 253

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.74

200

150

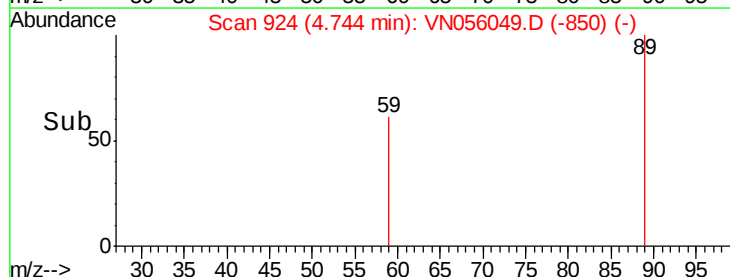
100

50

0

4.72 4.74 4.76

Time-->





#16

Acetone

Concen: 0.542 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056049.D

Acq: 6 Jun 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

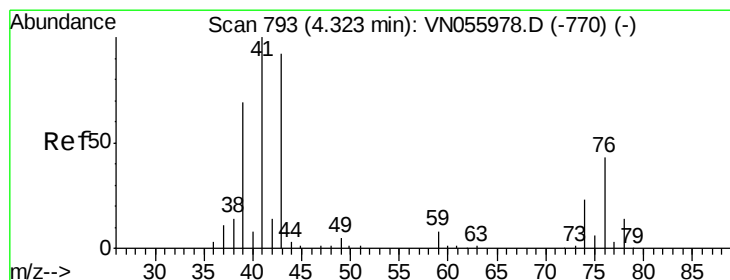
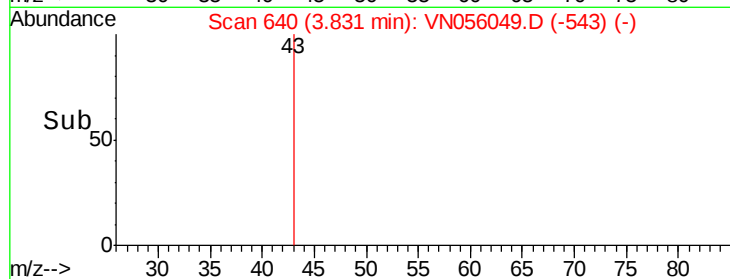
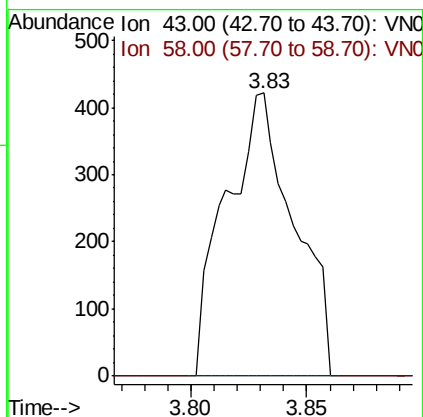
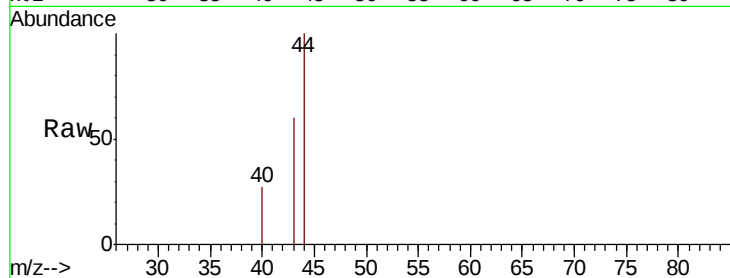
AOC50MW002-190604

Tot Ion: 43 Resp: 862

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#18

Methyl Acetate

Concen: 0.349 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056049.D

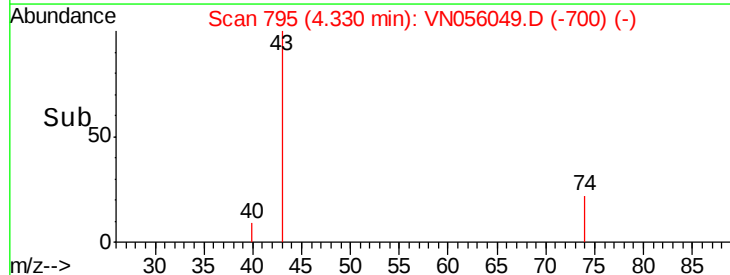
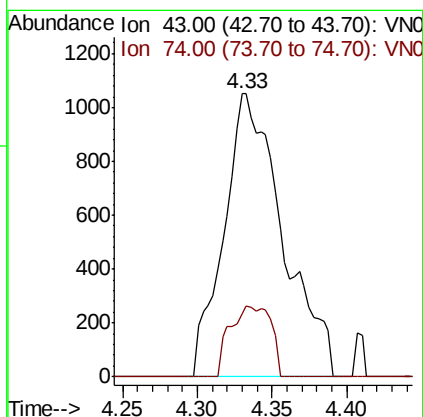
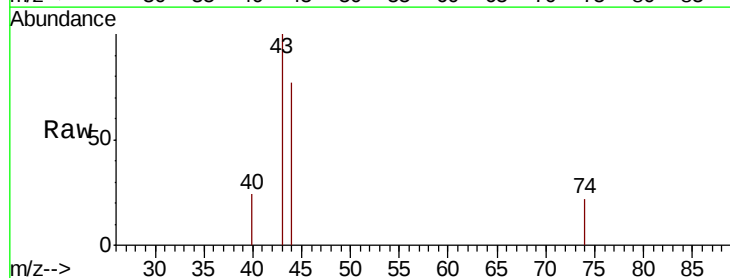
Acq: 6 Jun 2019 16:36

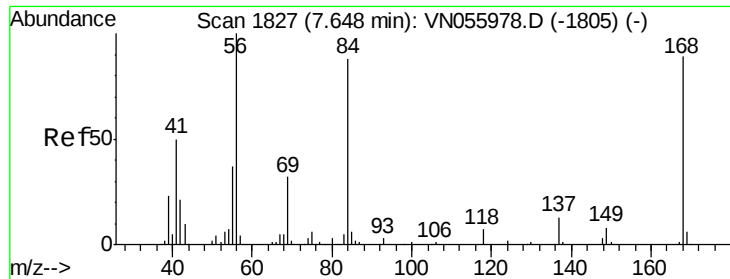
Tgt Ion: 43 Resp: 2886

Ion Ratio Lower Upper

43 100

74 17.3 19.3 28.9#

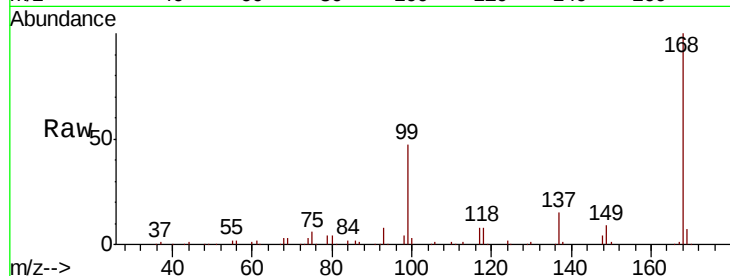




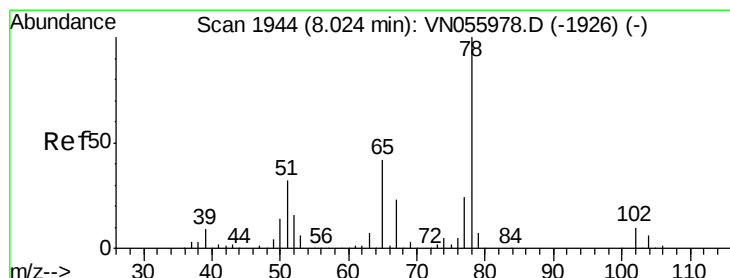
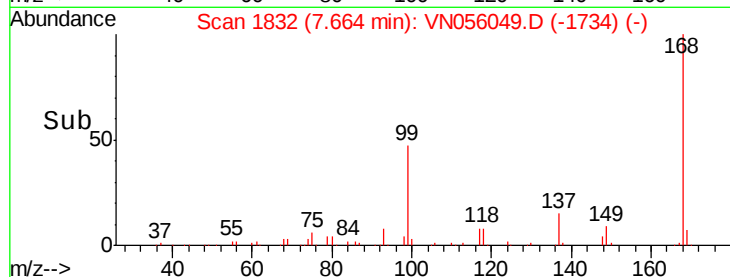
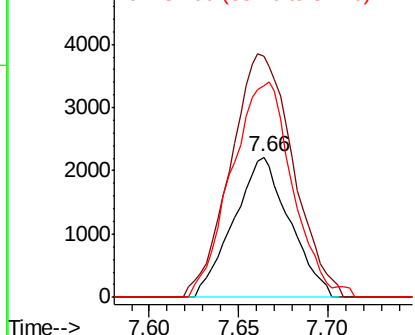
#31
Cyclohexane
Concen: 0.919 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056049.D
Acq: 6 Jun 2019 16:36

Instrument :
MSVOA_N
ClientSampleId :
AOC50MW002-190604

Tot Ion: 56 Resp: 4854
Ion Ratio Lower Upper
56 100
69 165.0 25.6 38.4#
84 150.9 67.4 101.0#

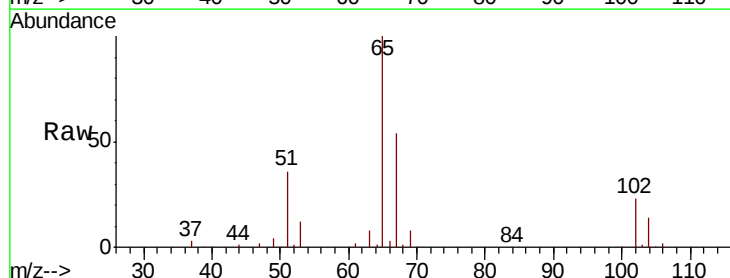


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

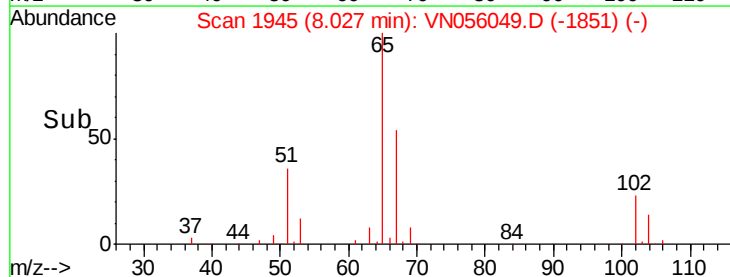
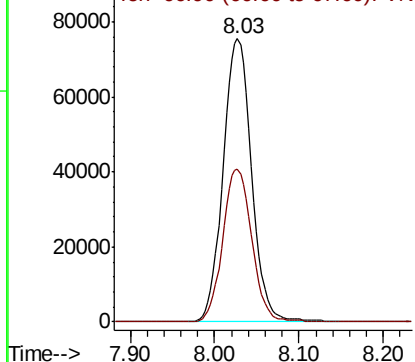


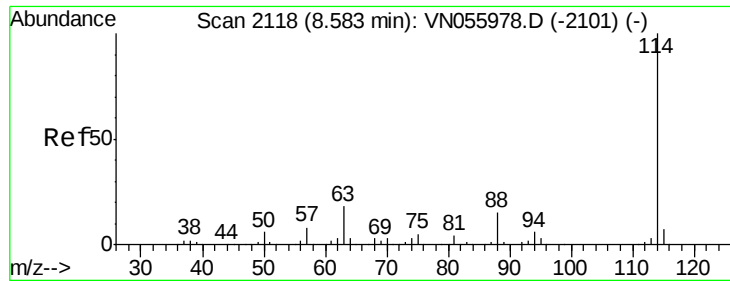
#33
1,2-Dichloroethane-d4
Concen: 53.260 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056049.D
Acq: 6 Jun 2019 16:36

Tgt Ion: 65 Resp: 177200
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

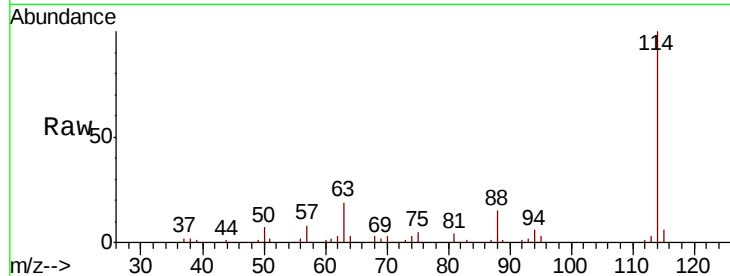




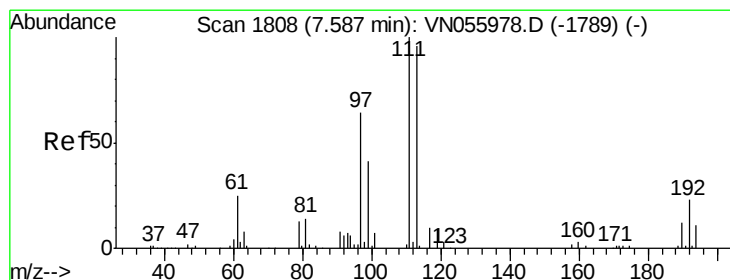
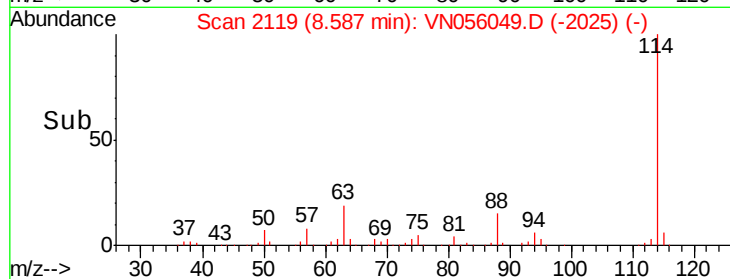
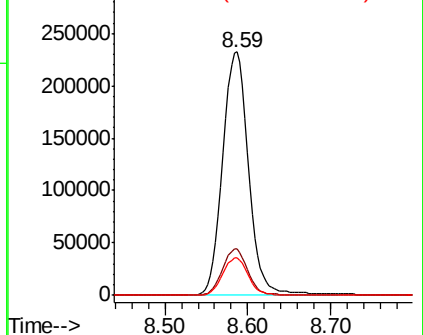
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056049.D
 Acq: 6 Jun 2019 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC50MW002-190604

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.2
88	15.3	0.0	31.0

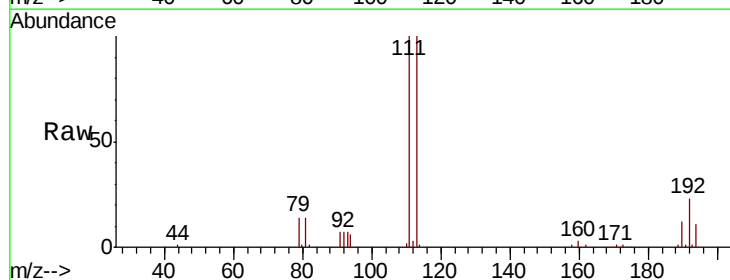


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

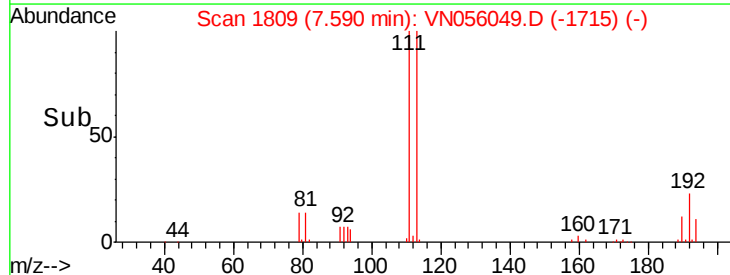
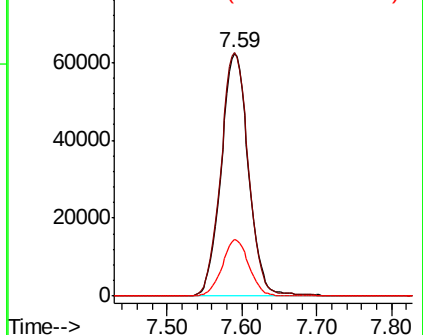


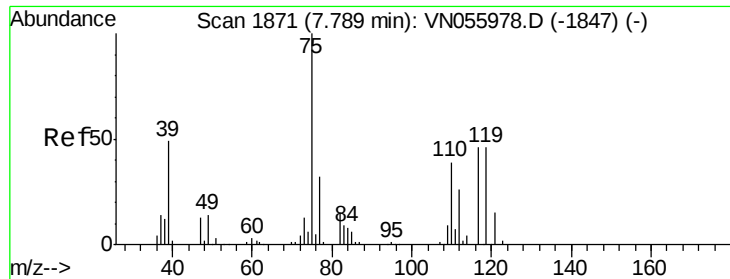
#35
 Dibromofluoromethane
 Concen: 50.545 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056049.D
 Acq: 6 Jun 2019 16:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.9	122.9
192	22.8	19.5	29.3



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

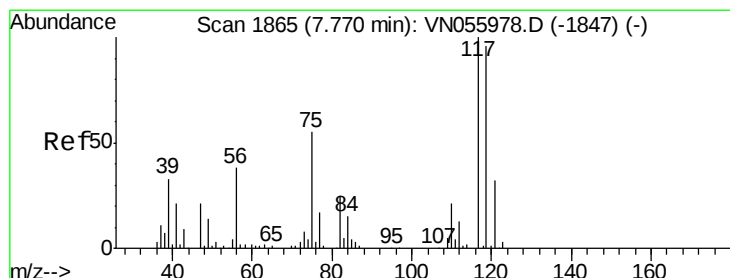
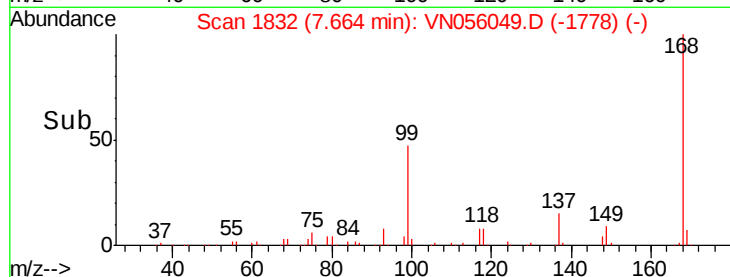
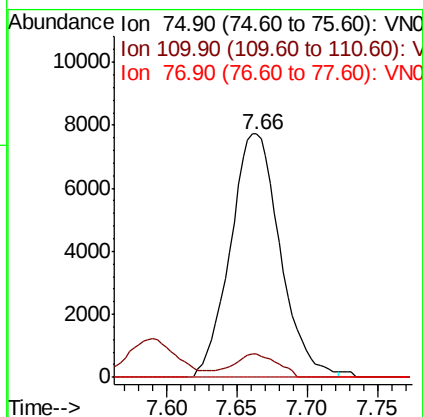
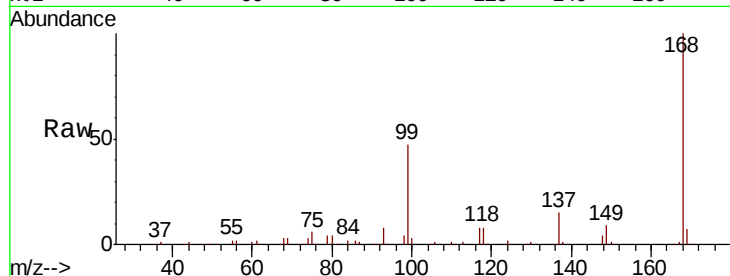




#36
 1,1-Dichloropropene
 Concen: 4.367 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056049.D
 Acq: 6 Jun 2019 16:36

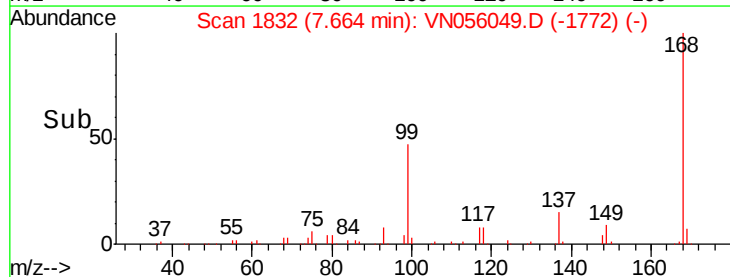
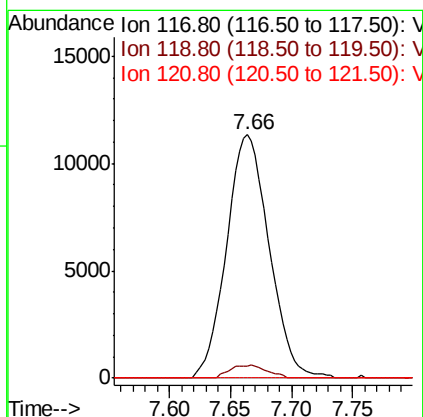
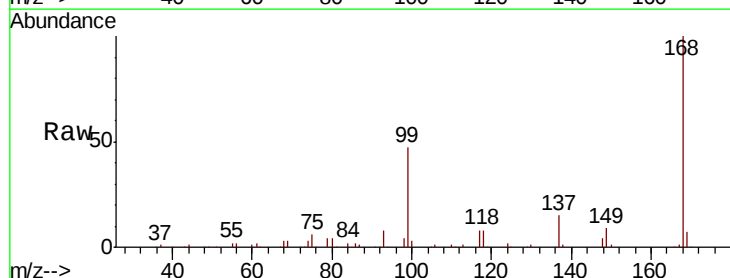
Instrument :
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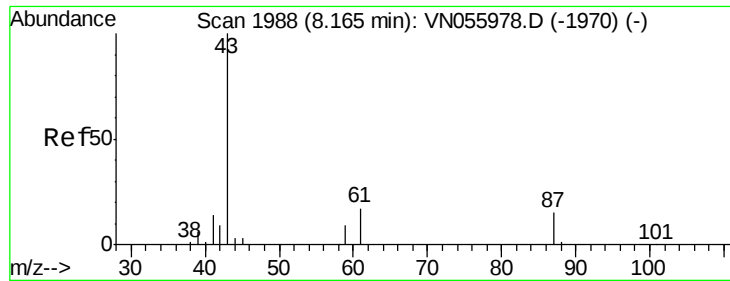
Tot Ion	75	Resp	19054
Ion Ratio	Lower	Upper	
75	100		
110	8.3	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.846 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056049.D
 Acq: 6 Jun 2019 16:36

Tgt Ion	117	Resp	27537
Ion Ratio	Lower	Upper	
117	100		
119	5.0	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.231 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.11 min

Lab File: VN056049.D

Acq: 6 Jun 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

AOC50MW002-190604

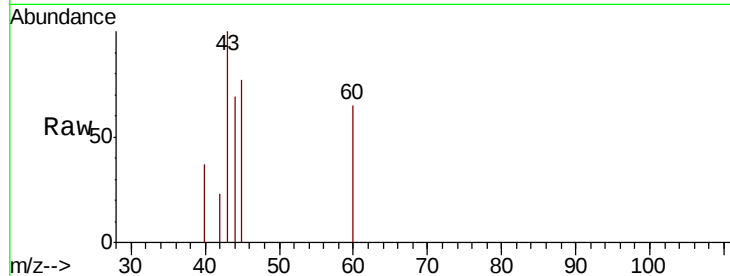
Tot Ion: 43 Resp: 1451

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

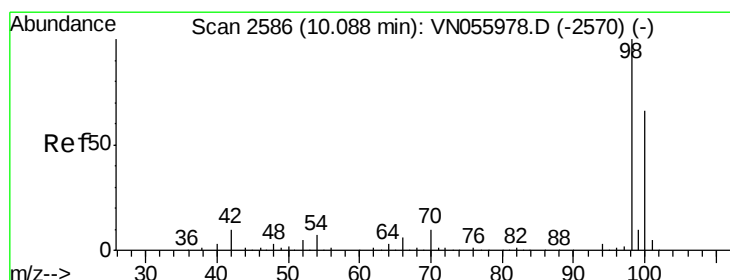
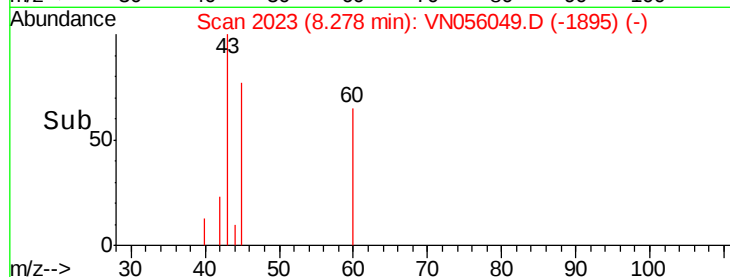
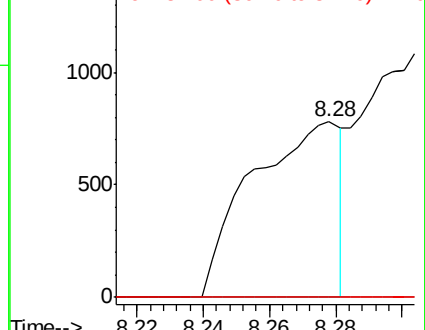
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#50

Toluene-d8

Concen: 53.966 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056049.D

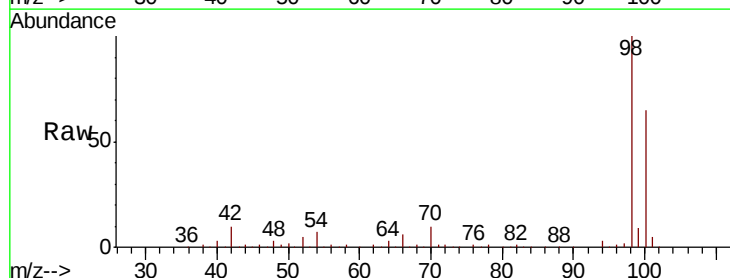
Acq: 6 Jun 2019 16:36

Tgt Ion: 98 Resp: 646453

Ion Ratio Lower Upper

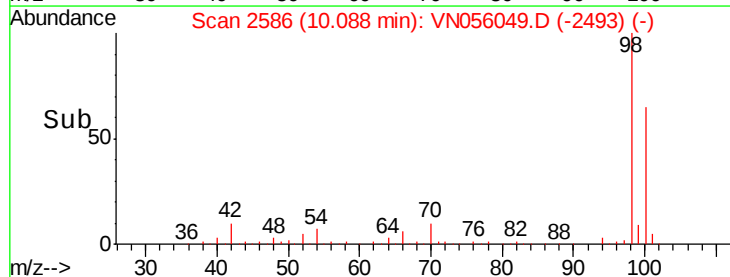
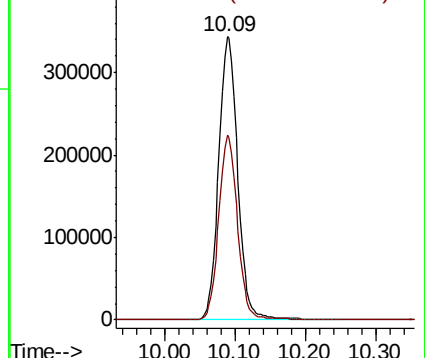
98 100

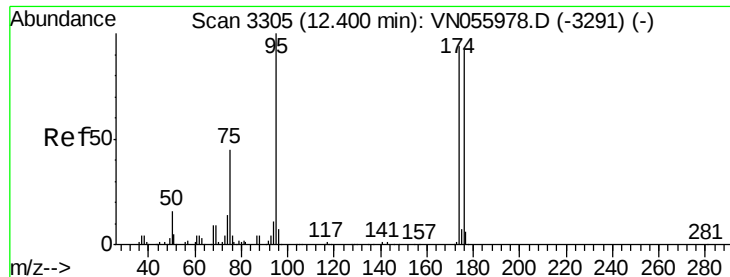
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

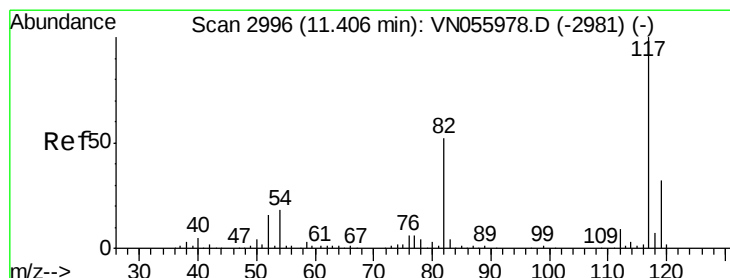
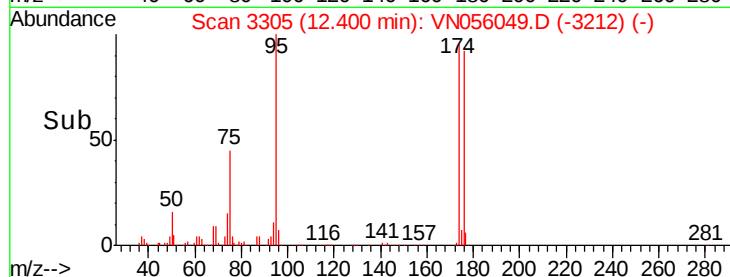
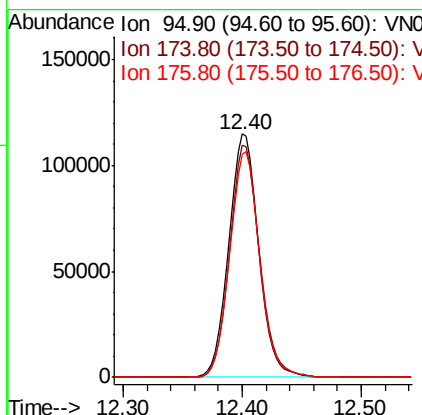
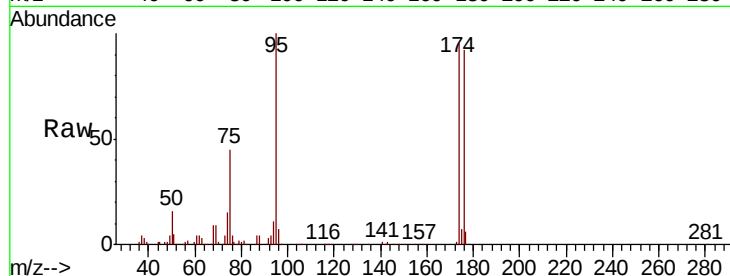




#62
4-Bromofluorobenzene
Concen: 49.079 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056049.D
Acq: 6 Jun 2019 16:36

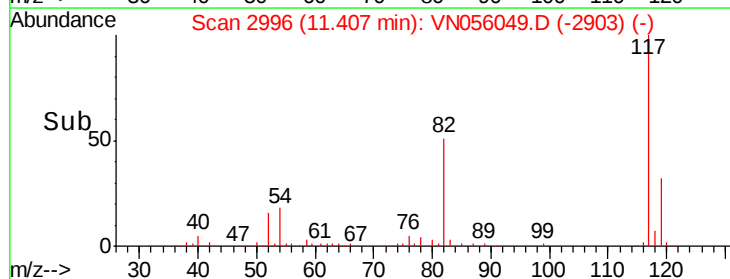
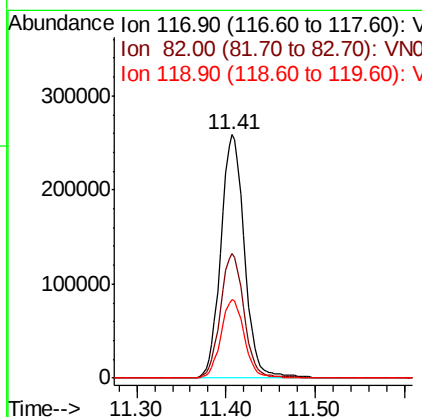
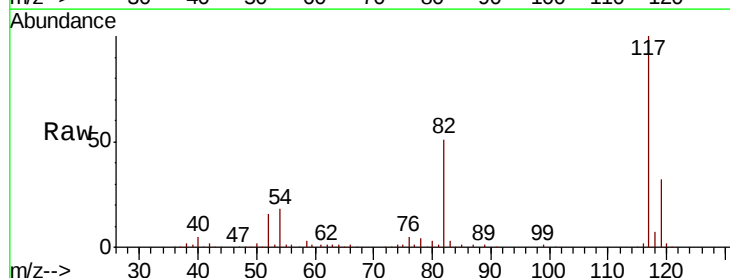
Instrument :
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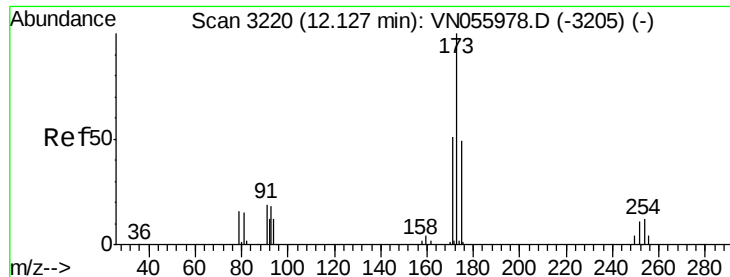
Tot Ion	95	Resp	199936
Ion Ratio	Lower	Upper	
95	100		
174	95.6	0.0	191.0
176	92.8	0.0	185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056049.D
Acq: 6 Jun 2019 16:36

Tgt Ion	117	Resp	474363
Ion Ratio	Lower	Upper	
117	100		
82	51.2	41.8	62.8
119	32.4	25.4	38.0





#71

Bromoform

Concen: 3.286 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056049.D

Acq: 6 Jun 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

AOC50MW002-190604

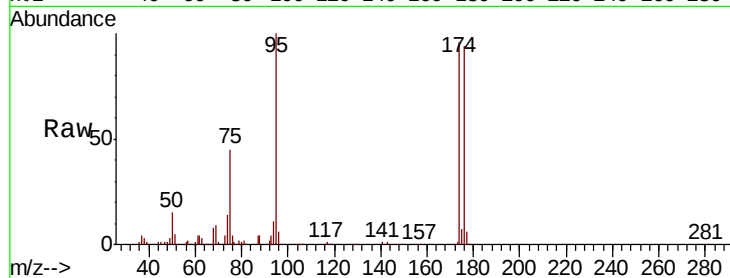
Tot Ion:173 Resp: 1574

Ion Ratio Lower Upper

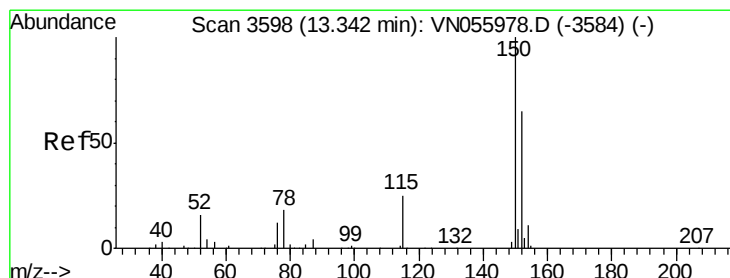
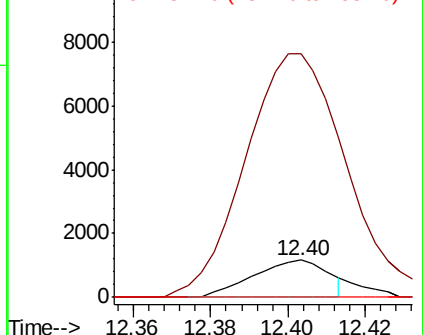
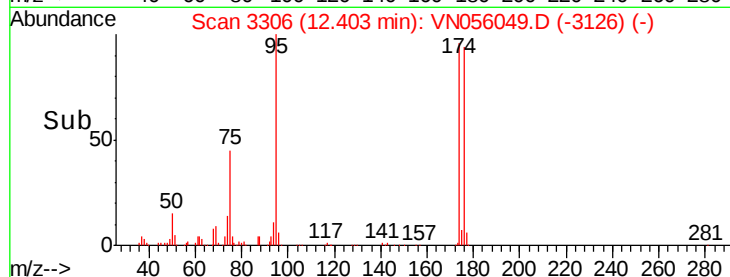
173 100

175 742.6 24.3 72.8#

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056049.D

Acq: 6 Jun 2019 16:36

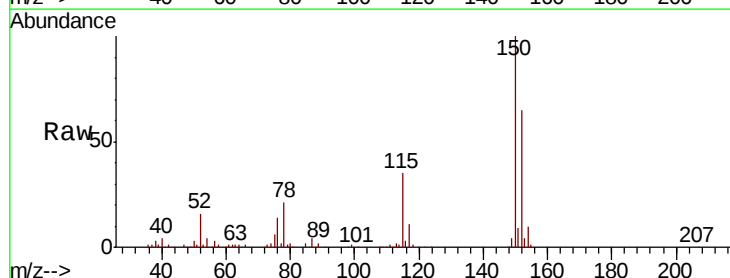
Tgt Ion:152 Resp: 150595

Ion Ratio Lower Upper

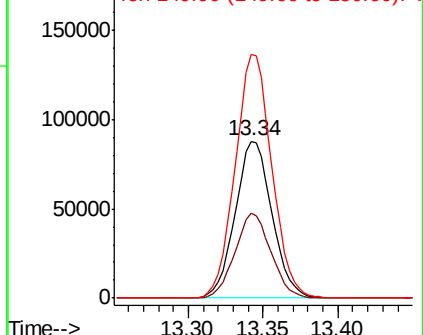
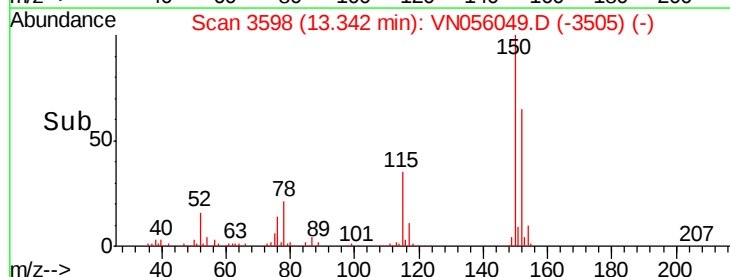
152 100

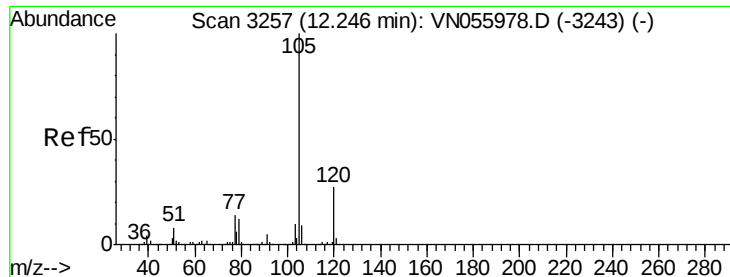
115 52.7 27.0 81.0

150 154.5 0.0 343.2



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





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN056049.D

Acq: 6 Jun 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

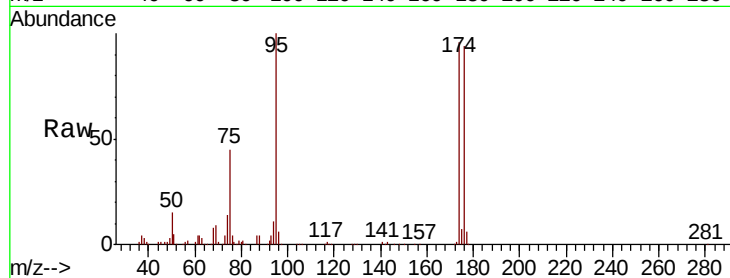
AOC50MW002-190604

Tot Ion: 105 Resp: 104

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.40

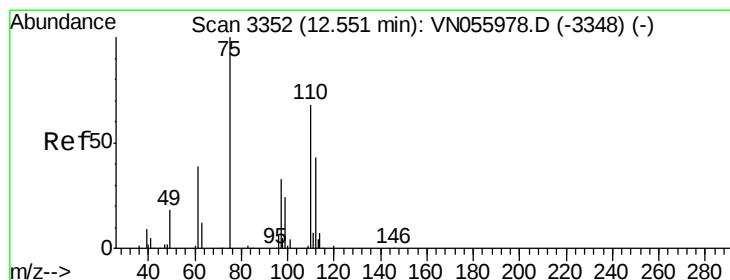
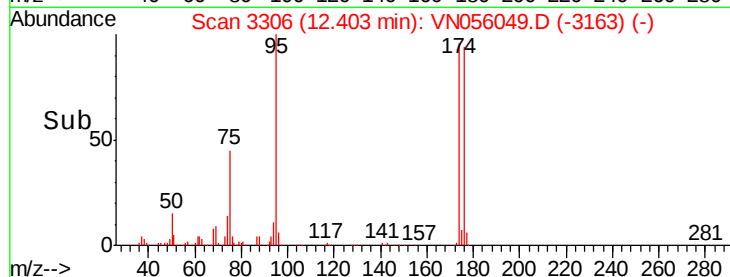
150

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 32.688 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056049.D

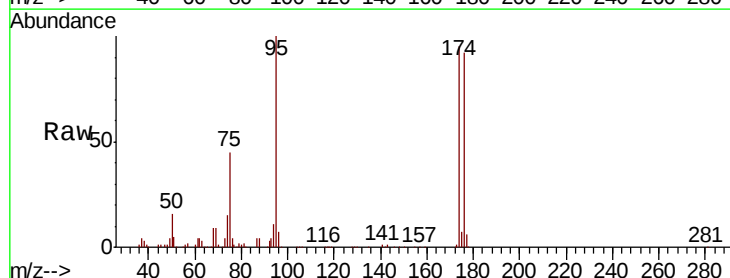
Acq: 6 Jun 2019 16:36

Tgt Ion: 75 Resp: 90579

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

60000

50000

40000

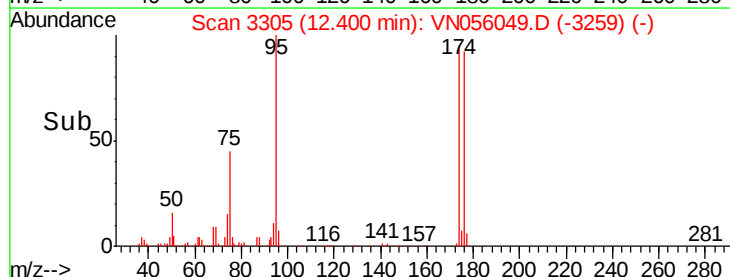
30000

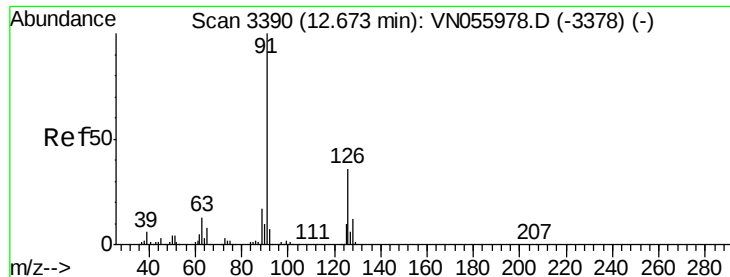
20000

10000

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN056049.D

Acq: 6 Jun 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

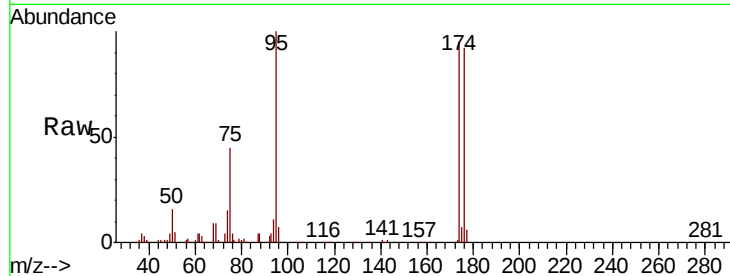
AOC50MW002-190604

Tot Ion: 91 Resp: 479

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.40

400

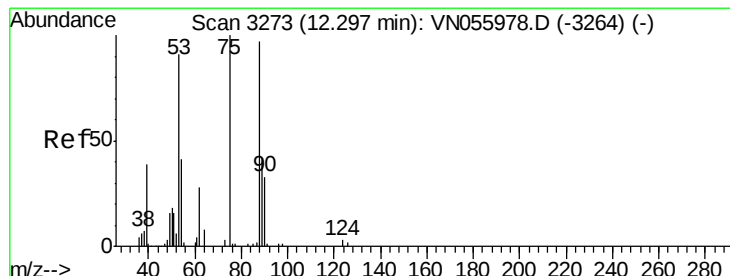
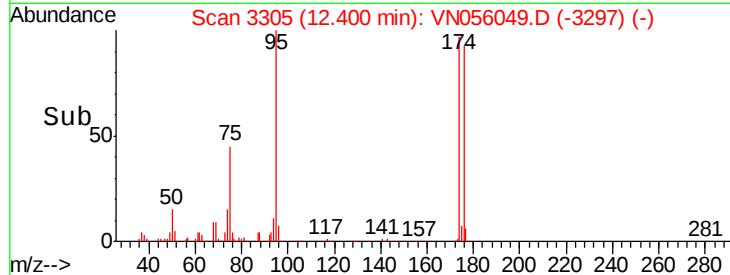
300

200

100

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 108.857 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056049.D

Acq: 6 Jun 2019 16:36

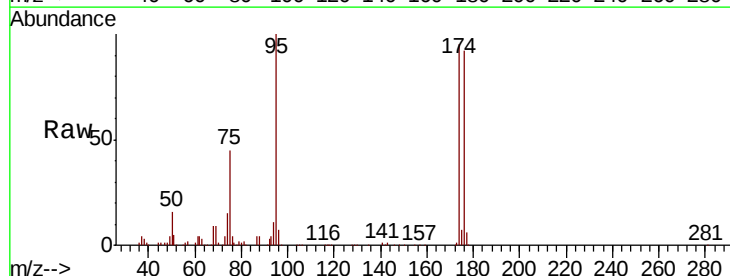
Tgt Ion: 75 Resp: 90579

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

60000

40000

20000

0

Time-->

