

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056780.D
 Acq On : 16 Jul 2019 19:39
 Operator : JC/SP
 Sample : K3622-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-071519-B

Quant Time: Jul 17 01:12:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	254491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	461963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	500516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	152050	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
35) Dibromofluoromethane	7.59	113	135831	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	10.09	98	590358	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.40	95	220013	58.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.52%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.79	59	221	0.472	ug/l #	73
14) Allyl chloride	4.56	41	1973	0.477	ug/l #	29
16) Acetone	3.82	43	15915	12.268	ug/l	90
18) Methyl Acetate	4.34	43	9018	2.164	ug/l	93
20) Methylene Chloride	4.55	84	57875	20.415	ug/l	99
25) 2-Butanone	6.84	43	2352	1.240	ug/l	98
29) Tetrahydrofuran	7.23	42	683	0.552	ug/l #	42
30) Chloroform	7.38	83	4831	1.020	ug/l	97
31) Cyclohexane	7.67	56	4915	1.092	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16602	3.884	ug/l #	49
38) Carbon Tetrachloride	7.67	117	21999	5.487	ug/l #	15
39) Methylcyclohexane	9.08	83	8510	1.612	ug/l	95
41) Methacrylonitrile	7.23	41	376	0.203	ug/l #	100
43) Isopropyl Acetate	8.17	43	17260	2.606	ug/l #	88
45) 1,2-Dichloropropane	9.27	63	1458	0.419	ug/l #	45
47) Bromodichloromethane	9.40	83	1026	0.250	ug/l #	79
48) Methyl methacrylate	9.18	41	8334	2.602	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	2978	0.694	ug/l	97
52) Toluene	10.16	92	2017	0.259	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	43104	8.687	ug/l #	60
55) 1,1,2-Trichloroethane	10.53	97	1500	0.460	ug/l #	23
57) 1,3-Dichloropropane	10.76	76	9255	1.737	ug/l #	42
59) 2-Hexanone	10.76	43	126889	41.222	ug/l #	51
67) Ethyl Benzene	11.51	91	15754	0.876	ug/l	98
68) m/p-Xylenes	11.62	106	37346	5.556	ug/l	99
69) o-Xylene	11.95	106	10672	1.615	ug/l	97
71) Bromoform	12.40	173	1724	0.601	ug/l #	1
73) Isopropylbenzene	12.25	105	5369	0.342	ug/l	95
76) 1,2,3-Trichloropropane	12.40	75	101826	23.914	ug/l #	100
78) n-propylbenzene	12.59	91	9882	0.567	ug/l	97
79) 2-Chlorotoluene	12.66	91	5940	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	34820	2.617	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	101826	73.854	ug/l #	13
82) 4-Chlorotoluene	12.73	91	3616	0.354	ug/l #	40

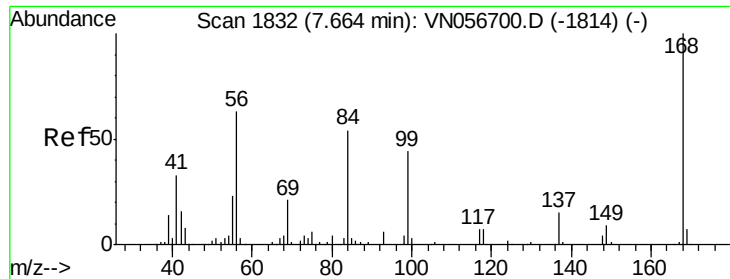
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
Data File : VN056780.D
Acq On : 16 Jul 2019 19:39
Operator : JC/SP
Sample : K3622-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OR-03-071519-B

Quant Time: Jul 17 01:12:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.99	119	436	Below Cal	#	27
84) 1,2,4-Trimethylbenzene	13.04	105	102739	7.905	ug/l	100
85) sec-Butylbenzene	13.04	105	102739	6.950	ug/l #	56
90) Hexachloroethane	13.89	117	874	0.404	ug/l #	3
95) Naphthalene	15.13	128	17155	6.021	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

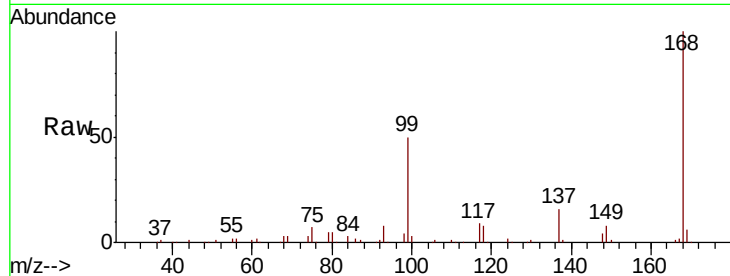
OR-03-071519-B

Tot Ion:168 Resp: 254491

Ion Ratio Lower Upper

168 100

99 50.0 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056780.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056780.D (-1739) (-)

7.67

120000

100000

80000

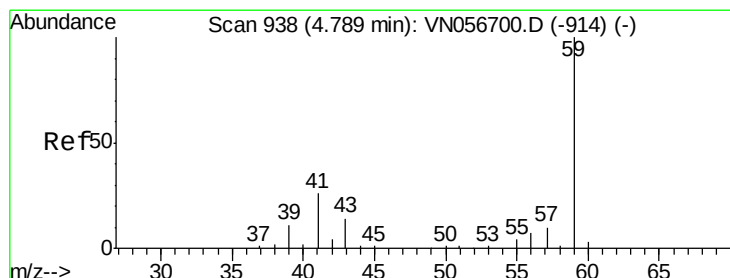
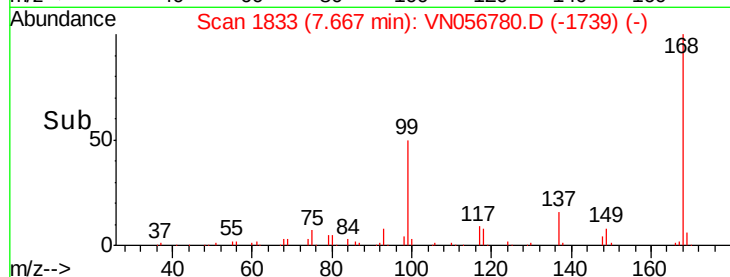
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.472 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN056780.D

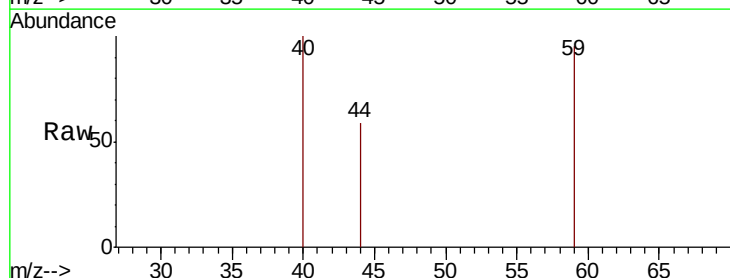
Acq: 16 Jul 2019 19:39

Tgt Ion: 59 Resp: 221

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN056780.D (-845) (-)

Ion 57.00 (56.70 to 57.70): VN056780.D (-845) (-)

4.79

500

400

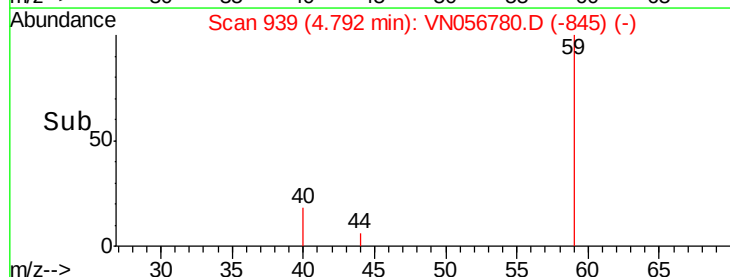
300

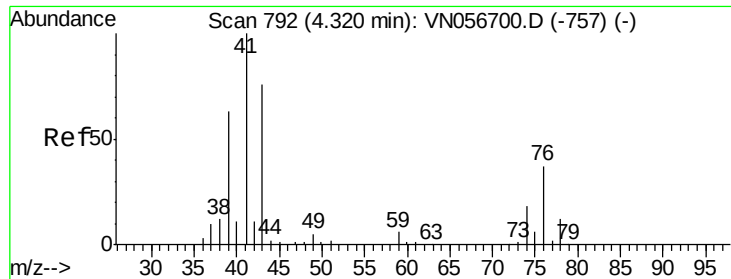
200

100

0

Time-->

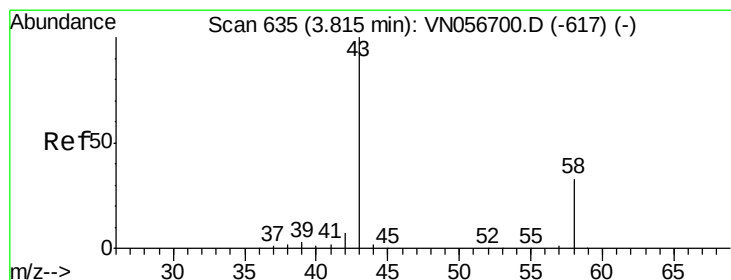
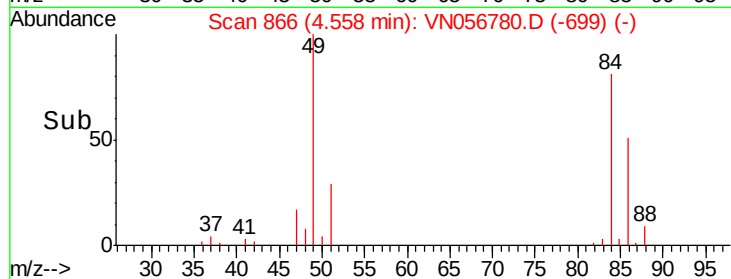
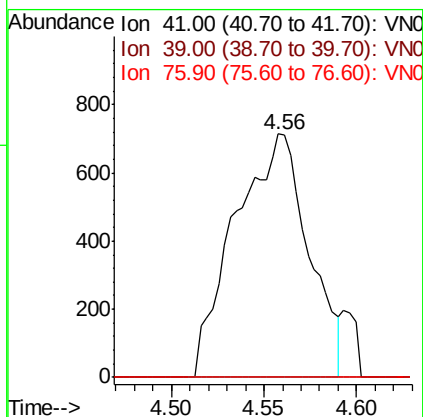
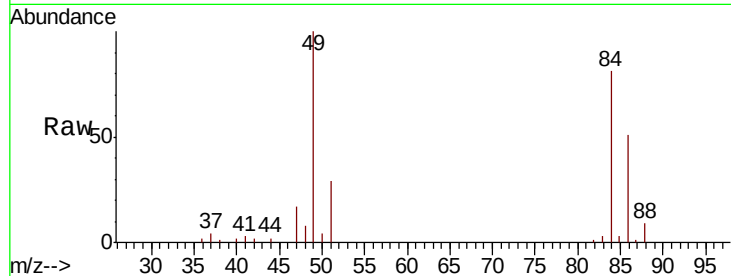




#14
Allvl chloride
Concen: 0.477 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.24 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

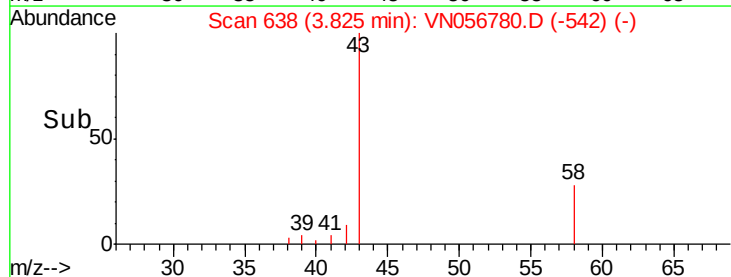
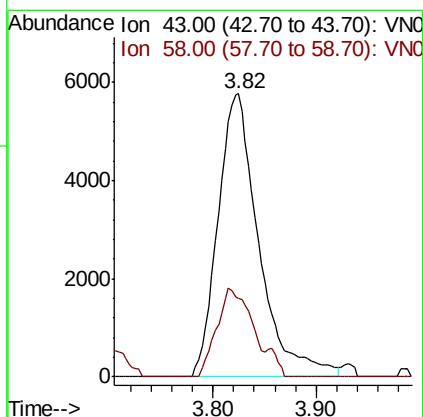
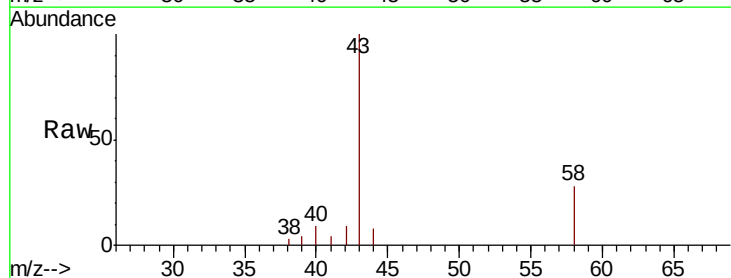
Instrument :
MSVOA_N
ClientSampleId :
OR-03-071519-B

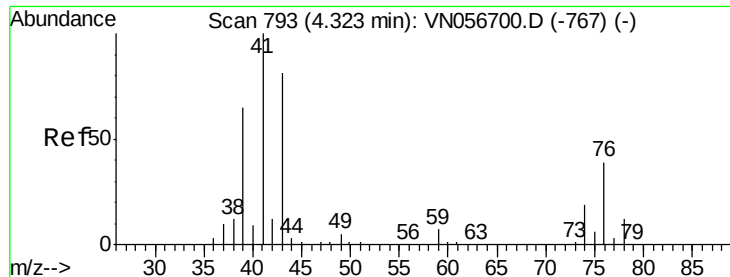
Tot Ion: 41 Resp: 1973
Ion Ratio Lower Upper
41 100
39 0.0 46.9 70.3#
76 0.0 26.5 39.7#



#16
Acetone
Concen: 12.268 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion: 43 Resp: 15915
Ion Ratio Lower Upper
43 100
58 27.6 26.7 40.1

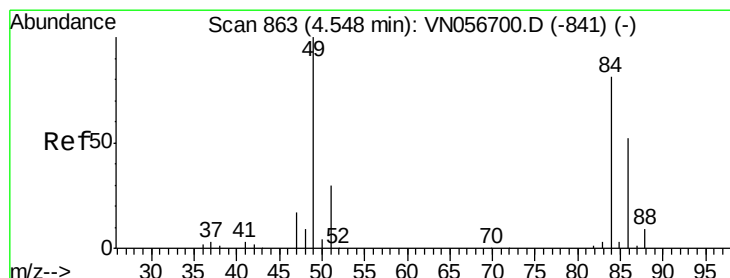
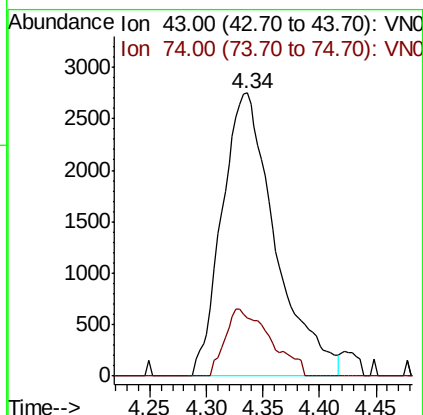
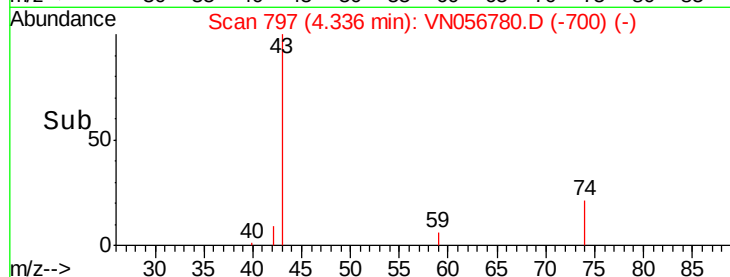
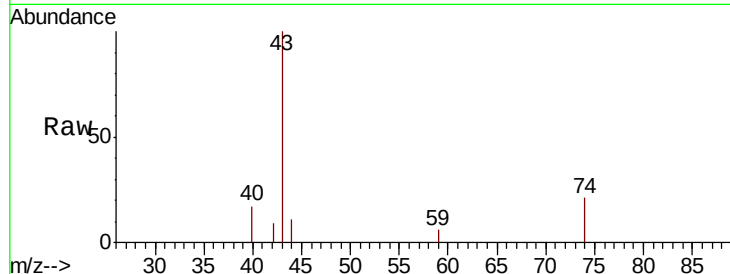




#18
Methvl Acetate
Concen: 2.164 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

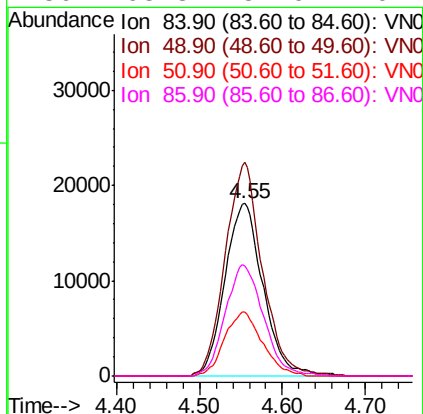
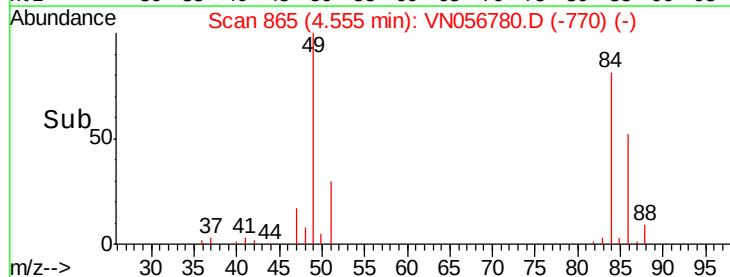
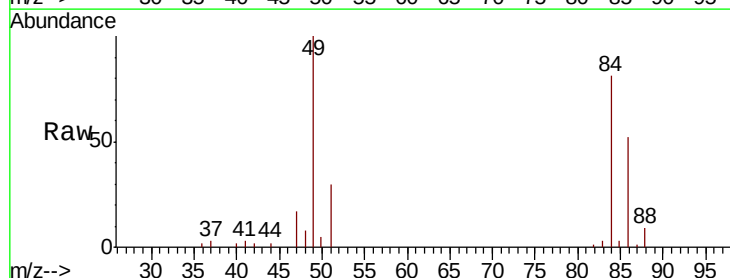
Instrument :
MSVOA_N
ClientSampleId :
OR-03-071519-B

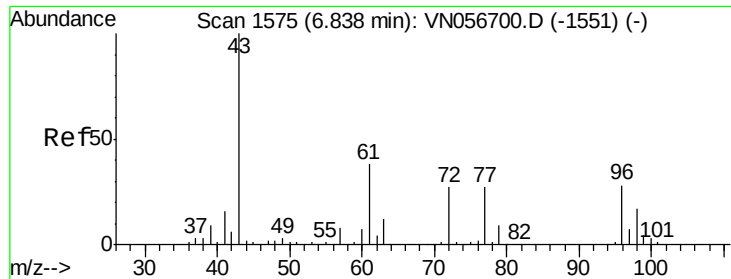
Tot Ion: 43 Resp: 9018
Ion Ratio Lower Upper
43 100
74 20.1 18.9 28.3



#20
Methylene Chloride
Concen: 20.415 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion: 84 Resp: 57875
Ion Ratio Lower Upper
84 100
49 123.6 98.2 147.4
51 37.2 29.6 44.4
86 63.8 51.0 76.4





#25

2-Butanone

Concen: 1.240 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

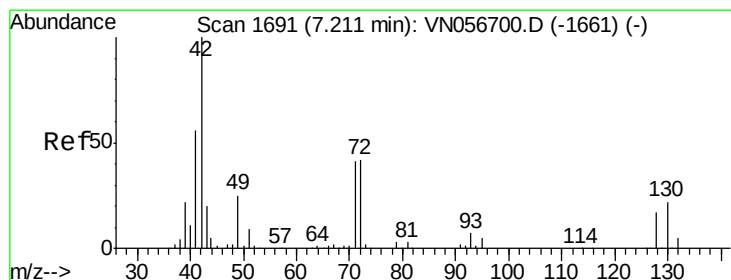
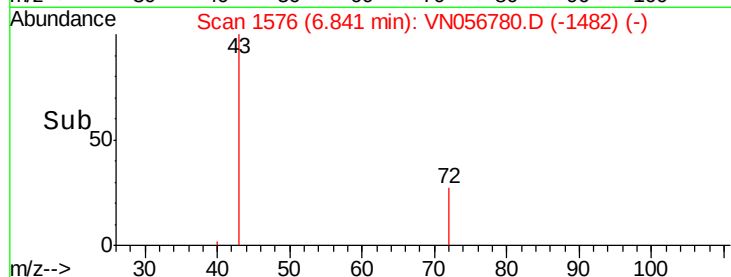
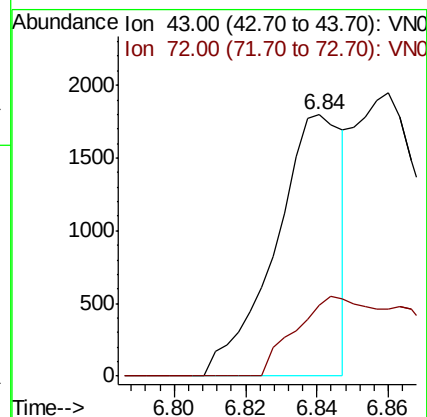
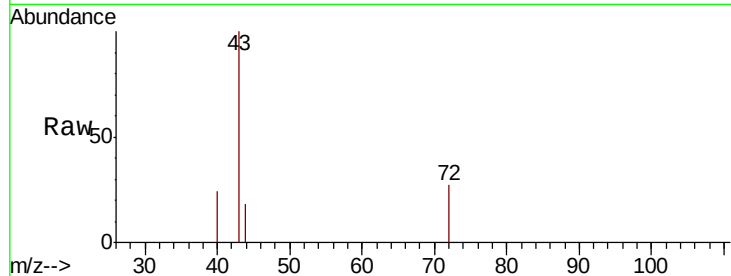
OR-03-071519-B

Tot Ion: 43 Resp: 2352

Ion Ratio Lower Upper

43 100

72 27.4 21.2 31.8



#29

Tetrahydrofuran

Concen: 0.552 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

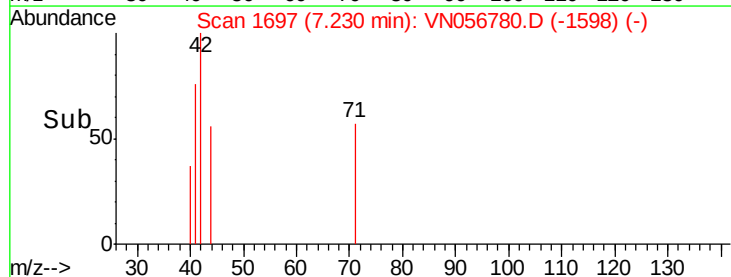
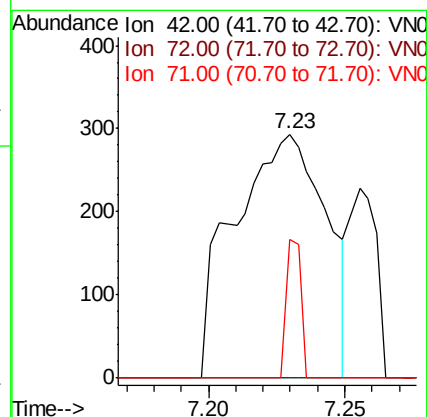
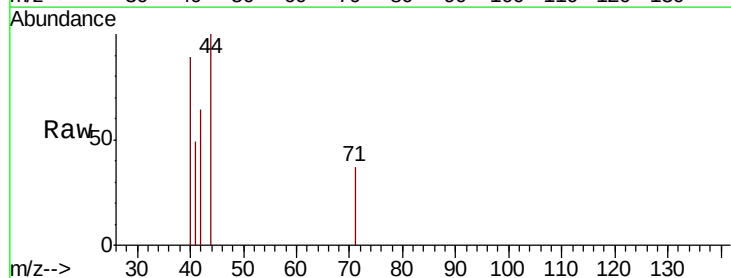
Tgt Ion: 42 Resp: 683

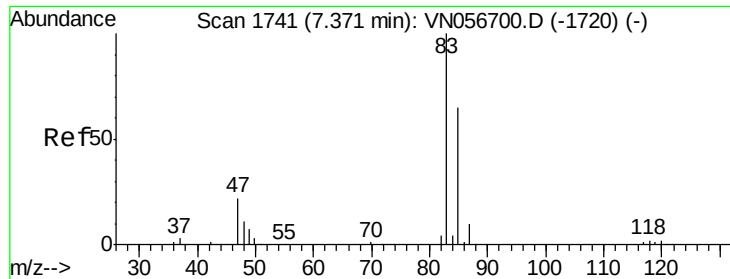
Ion Ratio Lower Upper

42 100

72 0.0 33.5 50.3#

71 9.2 31.8 47.8#

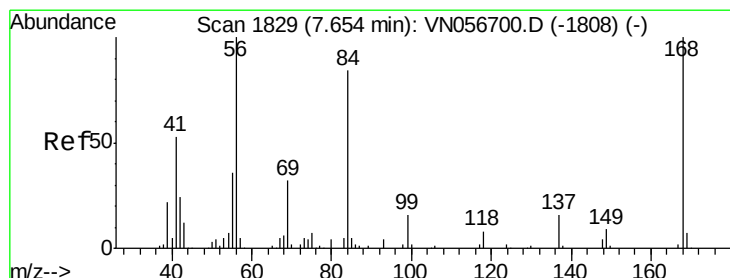
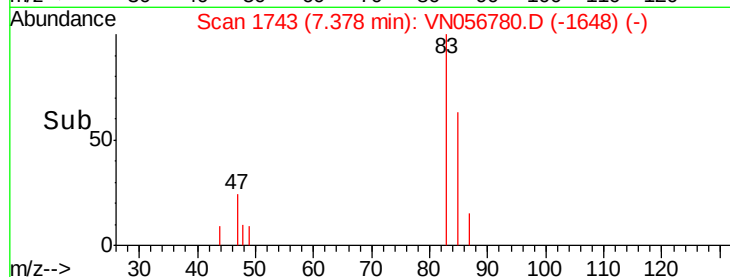
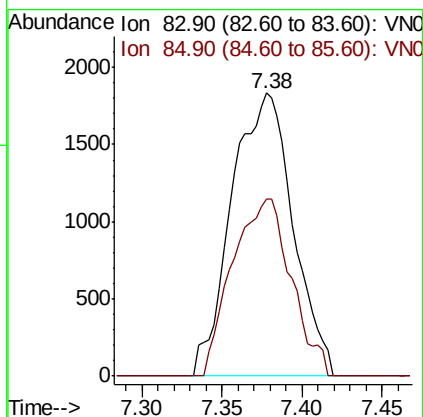
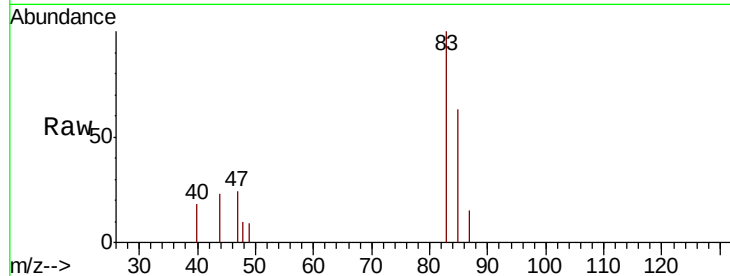




#30
Chloroform
Concen: 1.020 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

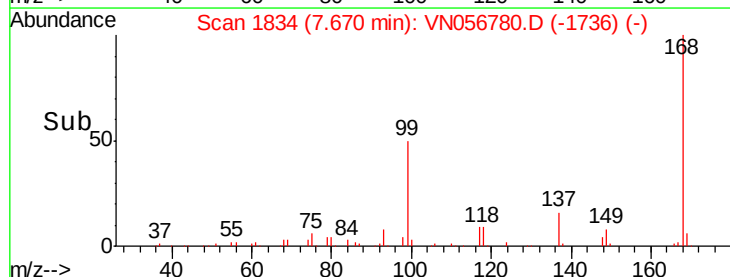
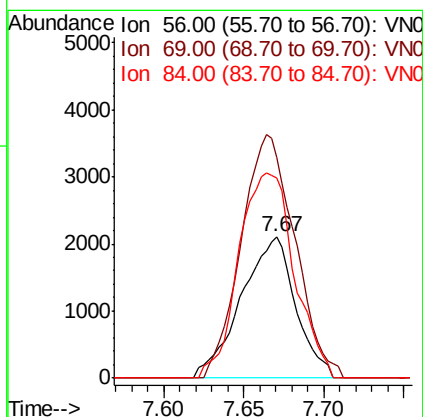
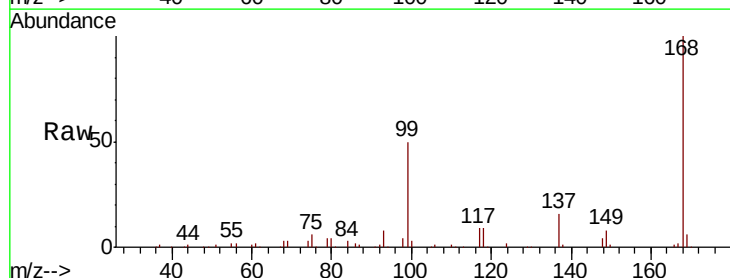
Instrument :
MSVOA_N
ClientSampleId :
OR-03-071519-B

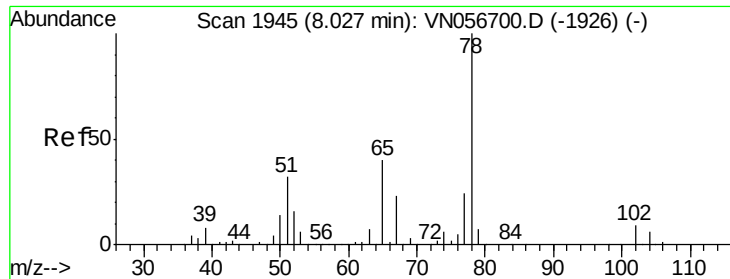
Tot Ion: 83 Resp: 4831
Ion Ratio Lower Upper
83 100
85 62.6 51.9 77.9



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion: 56 Resp: 4915
Ion Ratio Lower Upper
56 100
69 155.5 25.8 38.8#
84 141.1 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 54.014 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

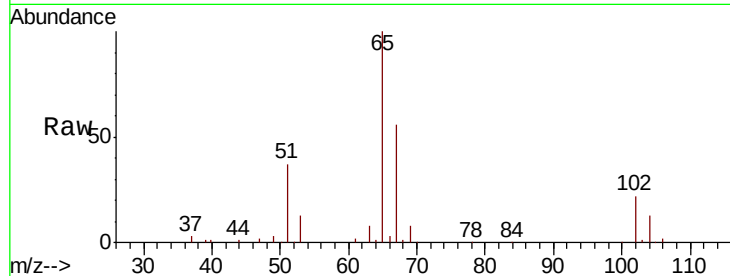
OR-03-071519-B

Tot Ion: 65 Resp: 152050

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

60000

40000

20000

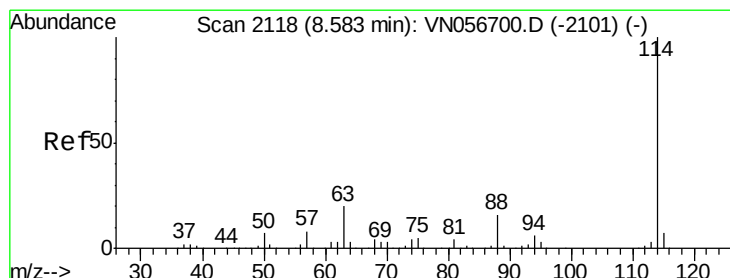
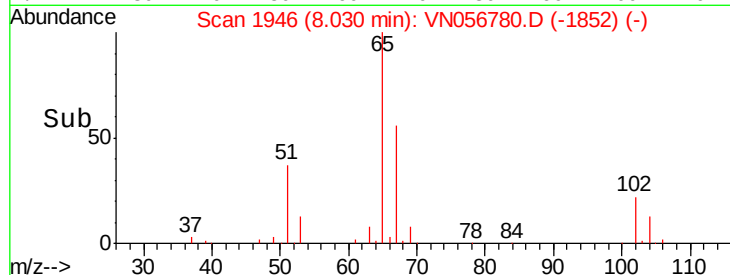
0

Time-->

7.90

8.00

8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

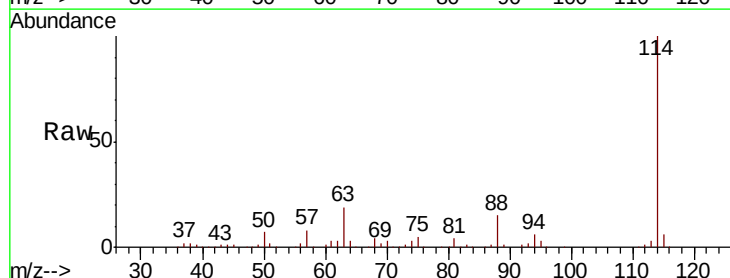
Tgt Ion: 114 Resp: 461963

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.4

88 15.4 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

300000

250000

200000

150000

100000

50000

0

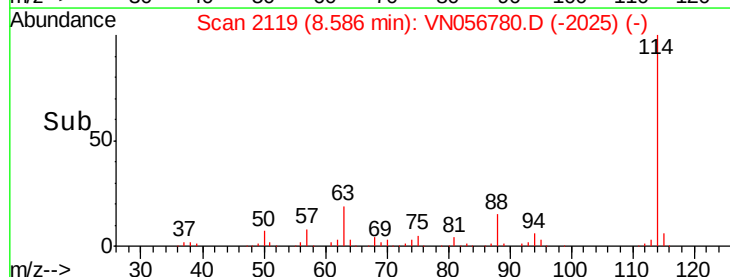
Time-->

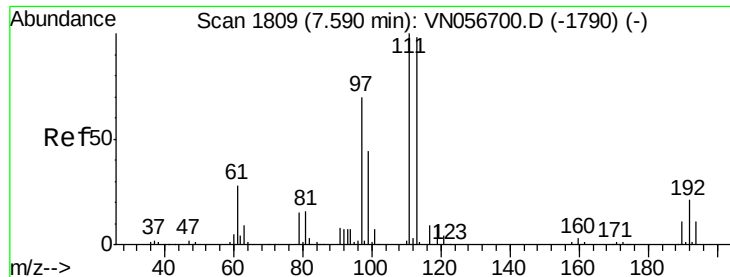
8.50

8.60

8.70

8.80





#35

Dibromofluoromethane

Concen: 47.247 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

OR-03-071519-B

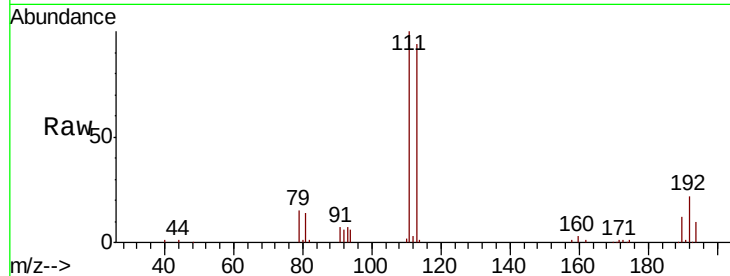
Tot Ion:113 Resp: 135831

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.6

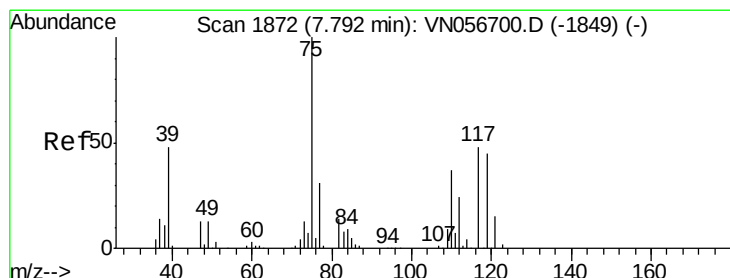
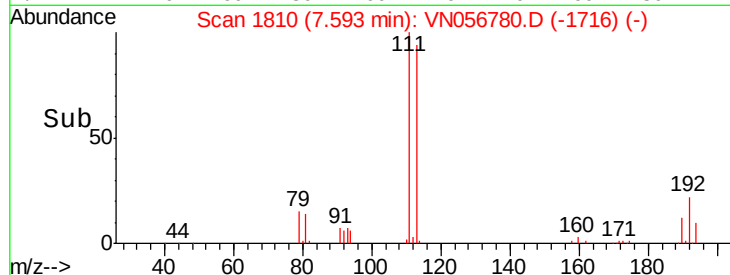
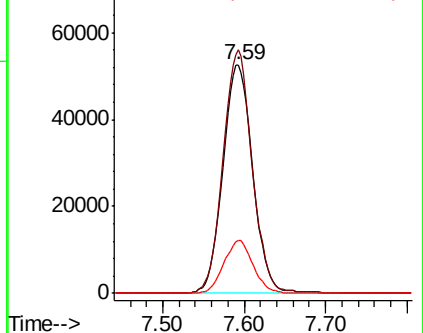
192 22.7 17.5 26.3



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: 3.884 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

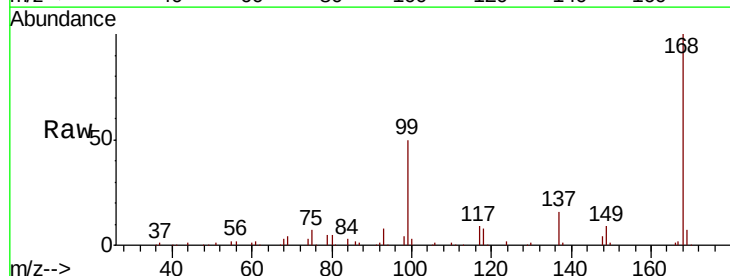
Tgt Ion: 75 Resp: 16602

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.4#

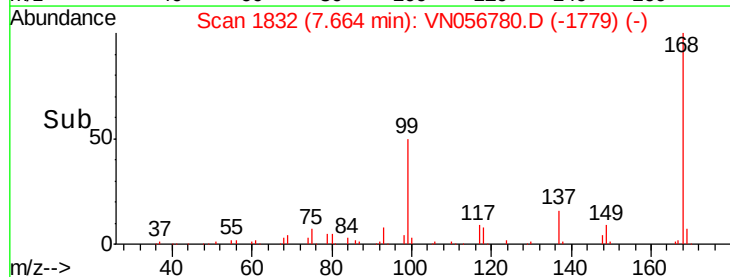
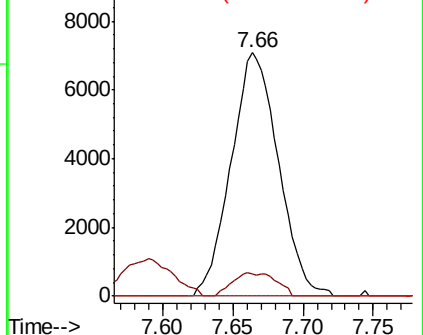
77 0.0 24.6 36.8#

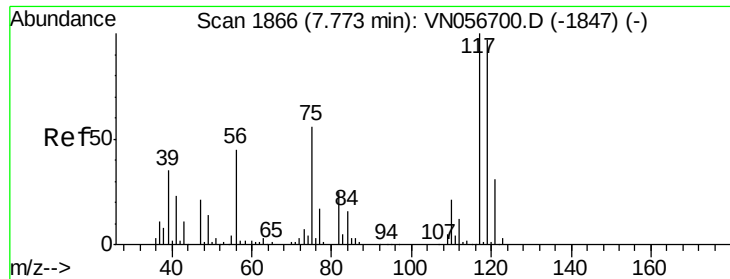


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

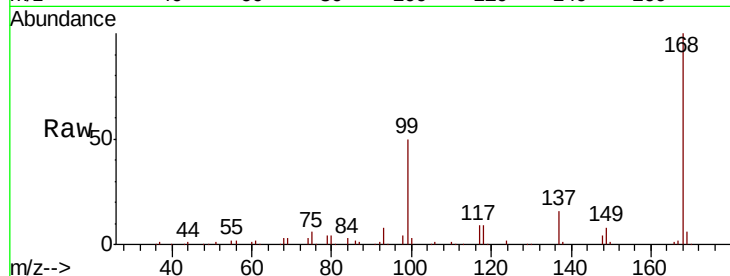




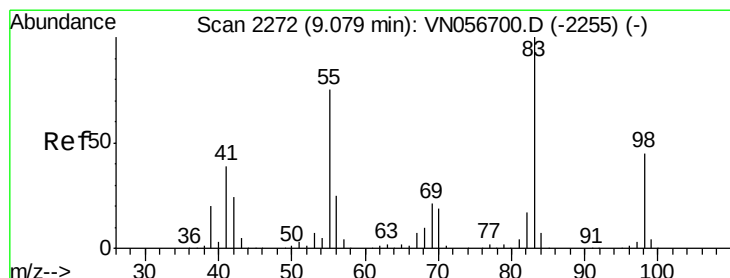
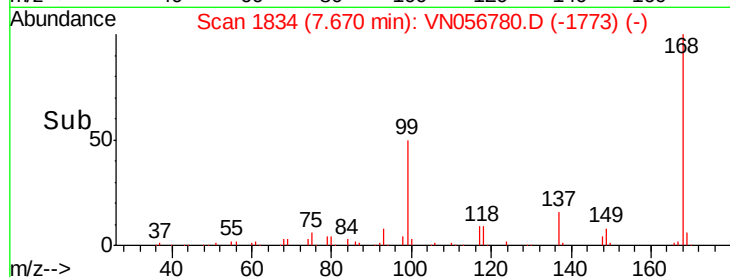
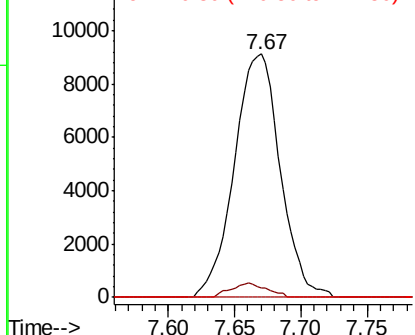
#38
Carbon Tetrachloride
Concen: 5.487 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.10 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
OR-03-071519-B

Tot Ion:117 Resp: 21999
Ion Ratio Lower Upper
117 100
119 4.0 77.5 116.3#
121 0.0 24.7 37.1#

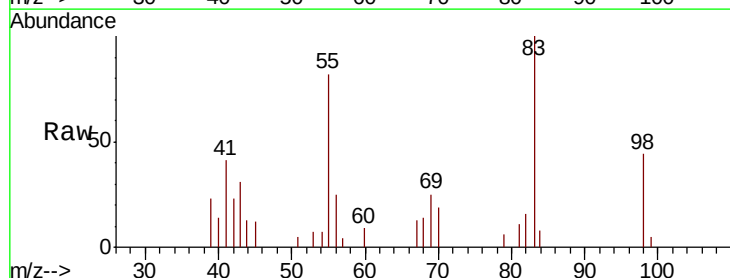


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

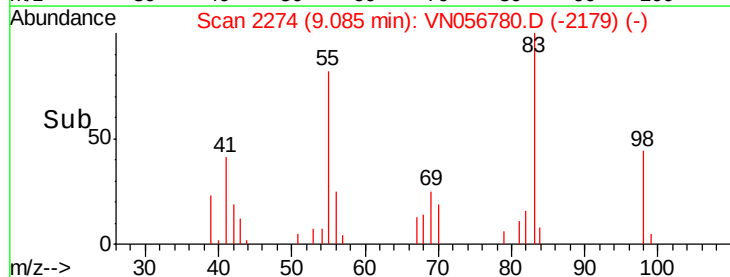
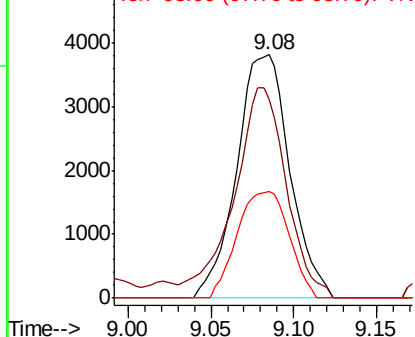


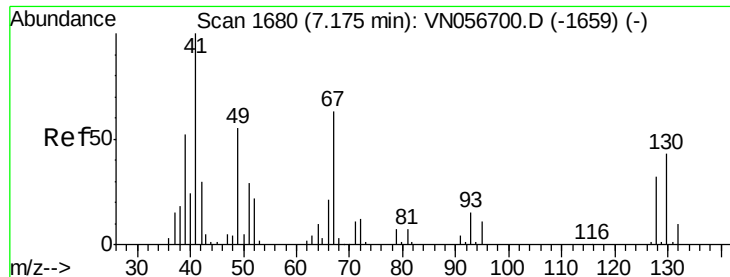
#39
Methylcyclohexane
Concen: 1.612 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.01 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion: 83 Resp: 8510
Ion Ratio Lower Upper
83 100
55 81.7 60.4 90.6
98 44.1 35.8 53.8



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

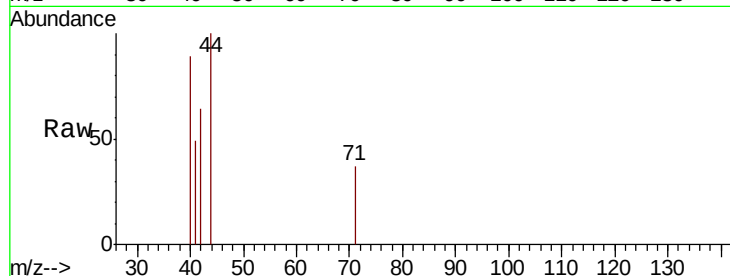




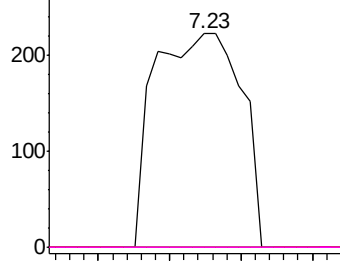
#41
Methacrylonitrile
Concen: 0.203 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.05 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampled :
OR-03-071519-B

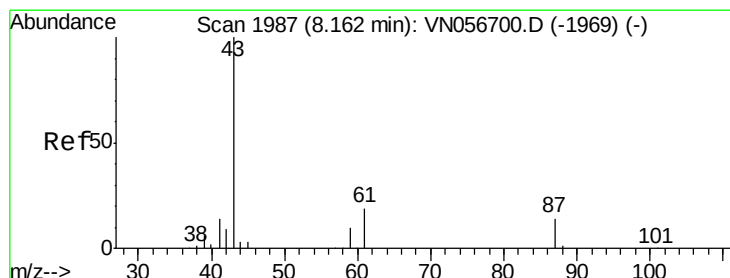
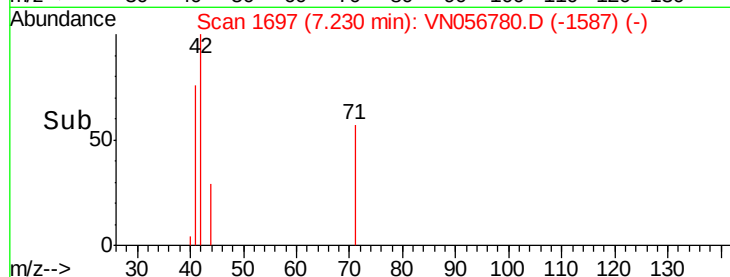
Tot Ion:	41	Resp:	376
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

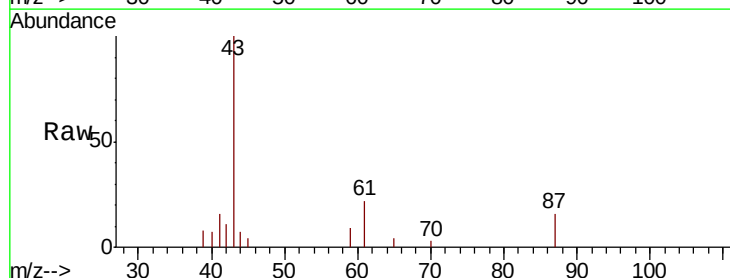


Time-->

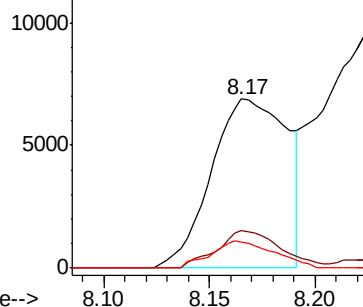


#43
Isopropyl Acetate
Concen: 2.606 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

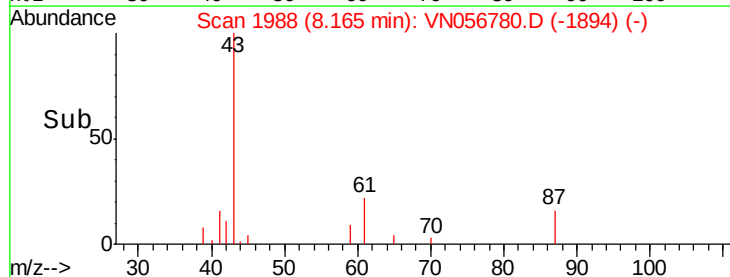
Tgt Ion:	43	Resp:	17260
Ion	Ratio	Lower	Upper
43	100		
61	18.6	22.3	33.5#
87	13.2	11.1	16.7

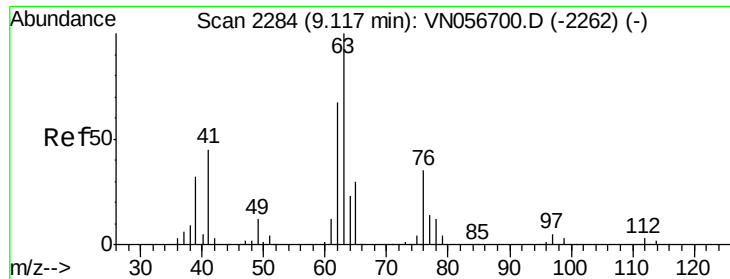


Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



Time-->

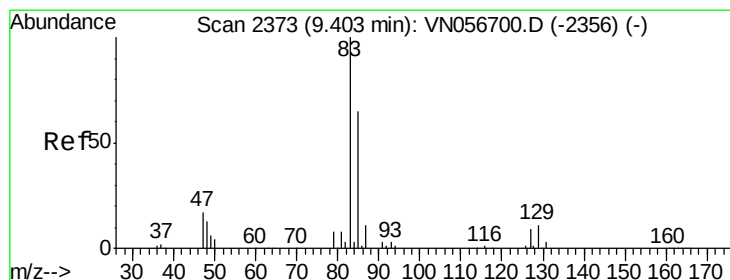
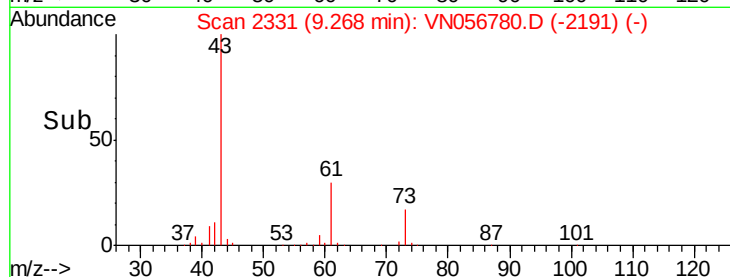
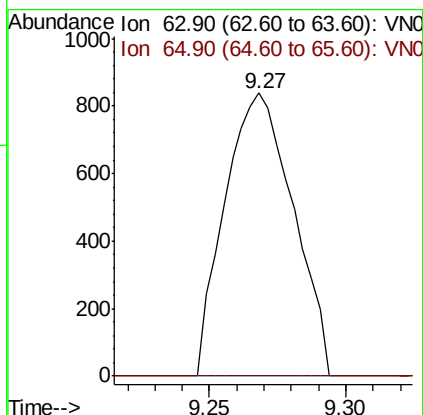
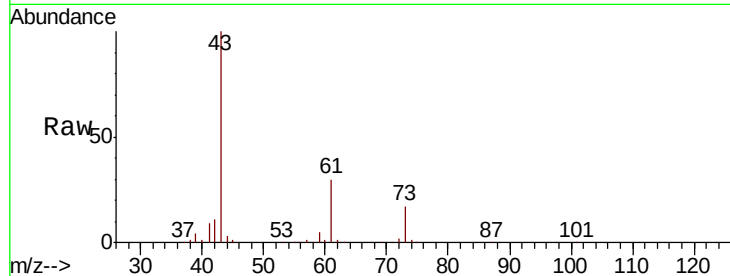




#45
 1,2-Dichloropropane
 Concen: 0.419 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN056780.D
 Acq: 16 Jul 2019 19:39

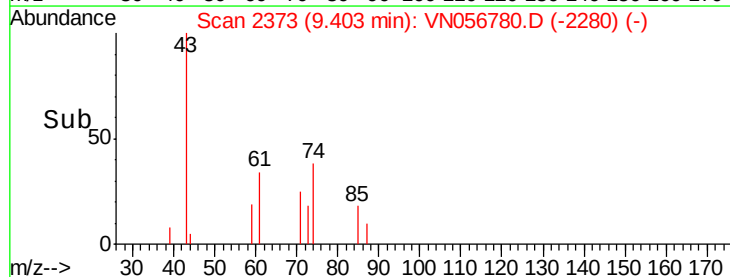
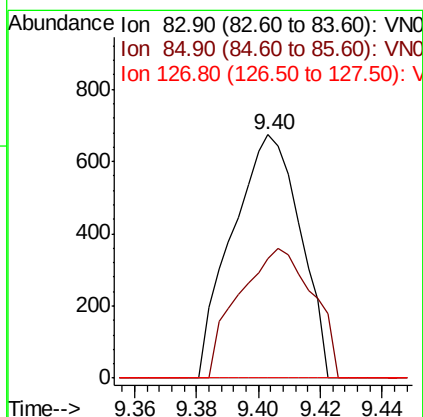
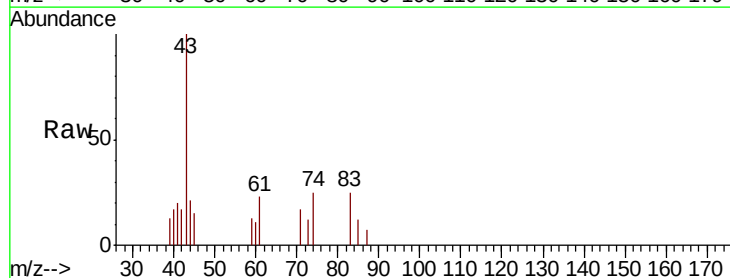
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-071519-B

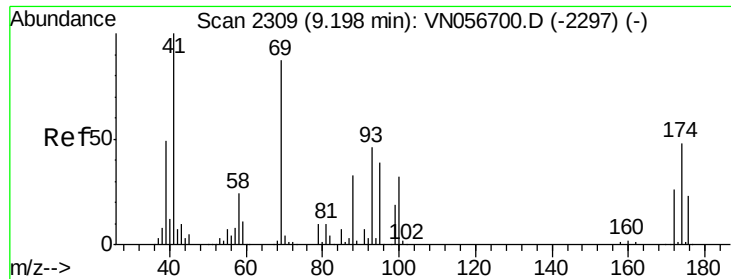
Tot Ion: 63 Resp: 1458
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.0 36.0#



#47
 Bromodichloromethane
 Concen: 0.250 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN056780.D
 Acq: 16 Jul 2019 19:39

Tgt Ion: 83 Resp: 1026
 Ion Ratio Lower Upper
 83 100
 85 49.1 52.3 78.5#
 127 0.0 7.6 11.4#

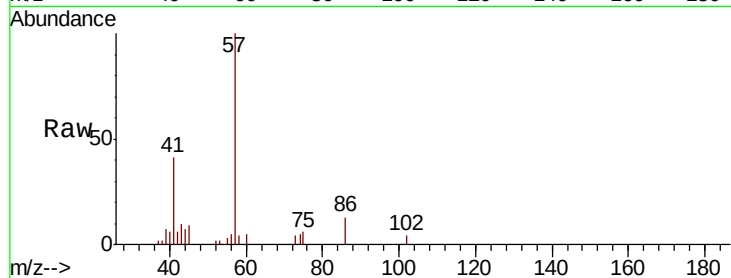




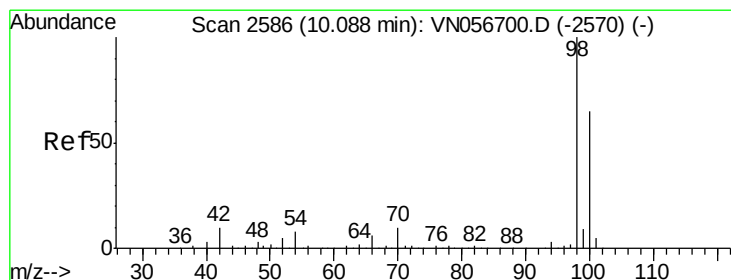
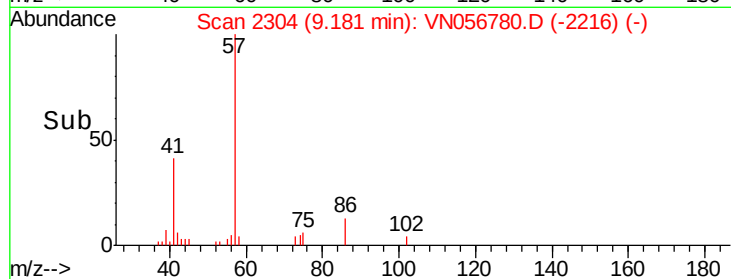
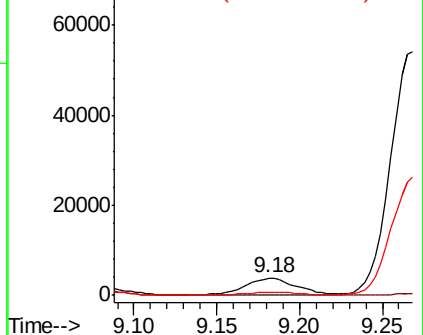
#48
Methyl methacrylate
Concen: 2.602 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampled :
OR-03-071519-B

Tot Ion: 41 Resp: 8334
Ion Ratio Lower Upper
41 100
69 0.0 71.4 107.0#
39 18.3 41.2 61.8#

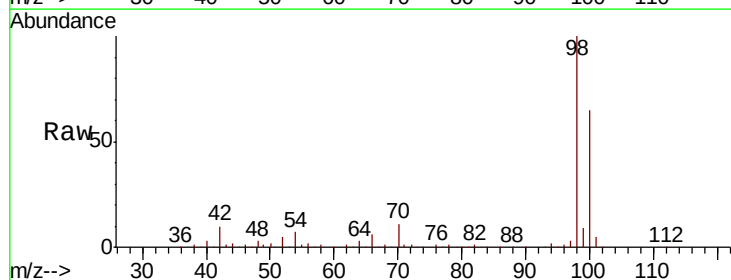


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

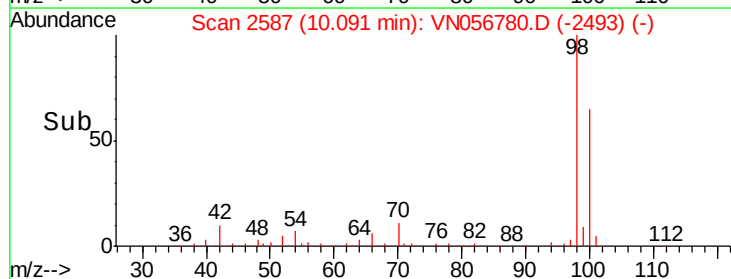
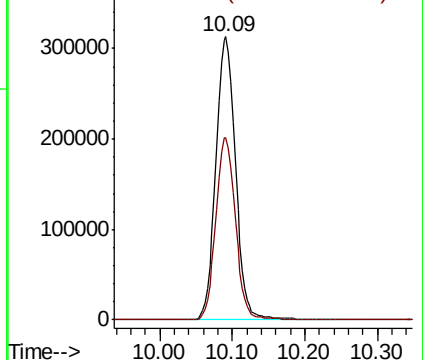


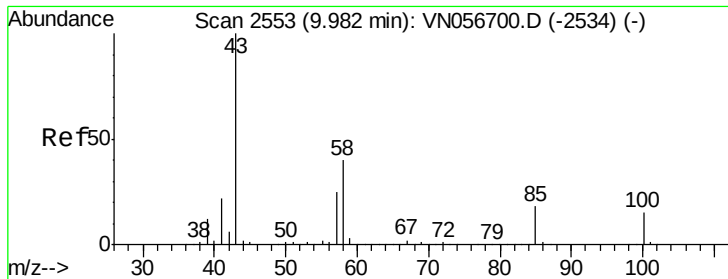
#50
Toluene-d8
Concen: 53.169 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion: 98 Resp: 590358
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.694 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

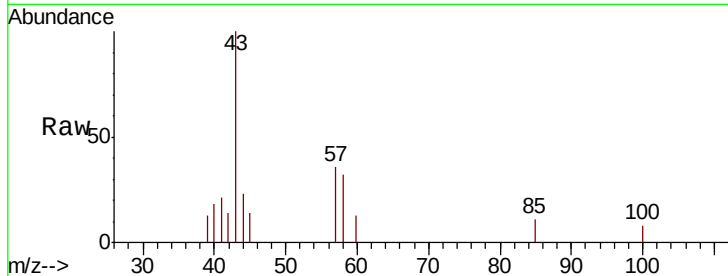
OR-03-071519-B

Tot Ion: 43 Resp: 2978

Ion Ratio Lower Upper

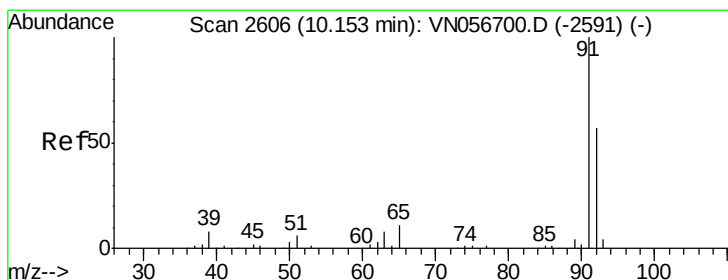
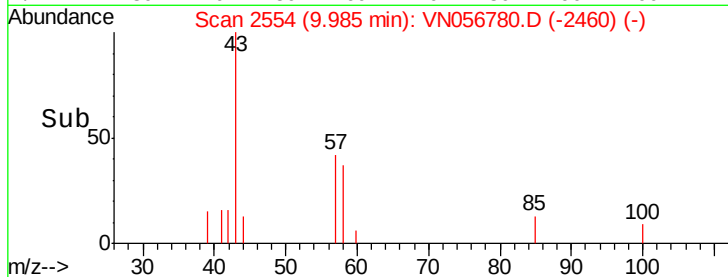
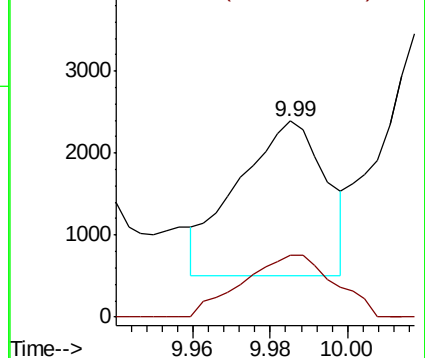
43 100

58 41.7 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.259 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.01 min

Lab File: VN056780.D

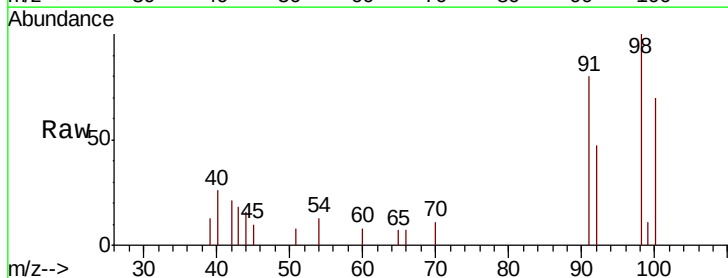
Acq: 16 Jul 2019 19:39

Tgt Ion: 92 Resp: 2017

Ion Ratio Lower Upper

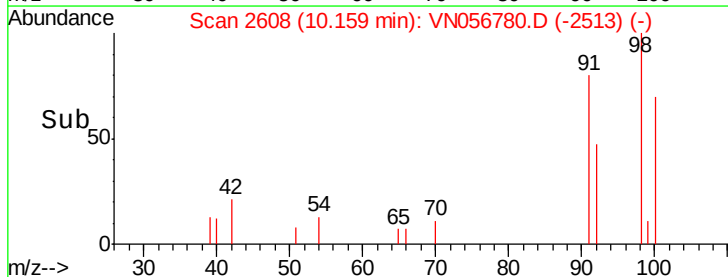
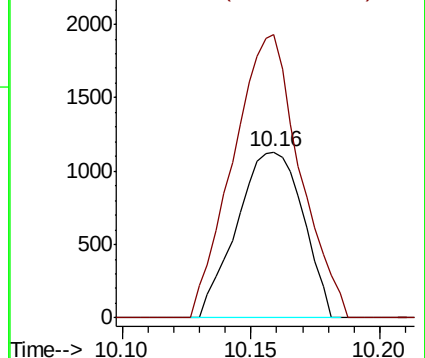
92 100

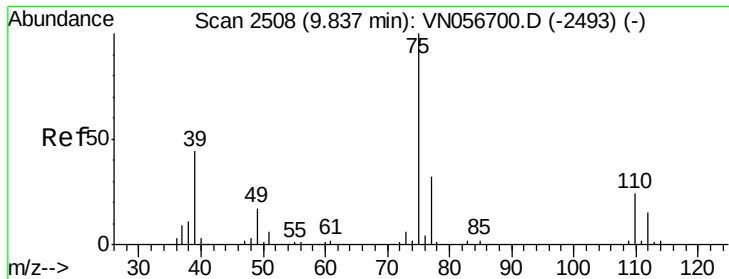
91 171.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 8.687 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

OR-03-071519-B

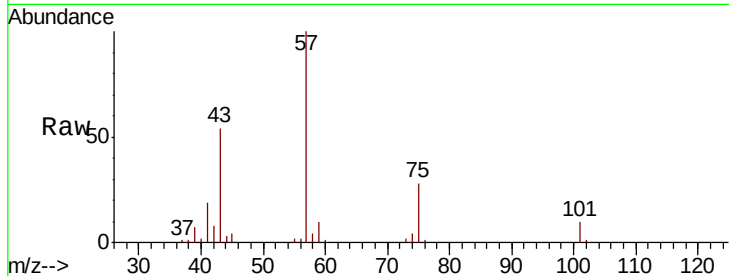
Tot Ion: 75 Resp: 43104

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

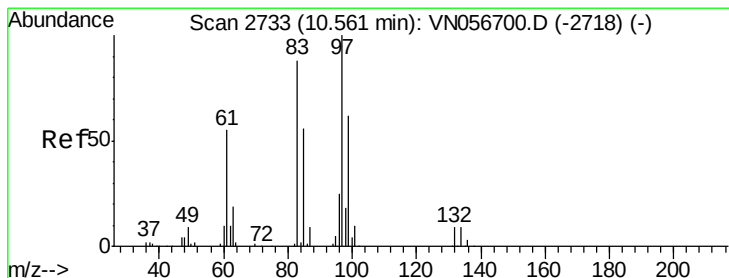
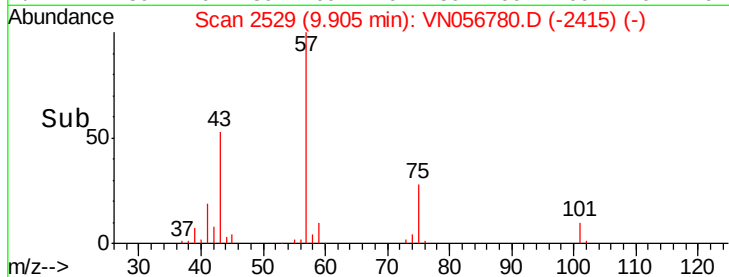
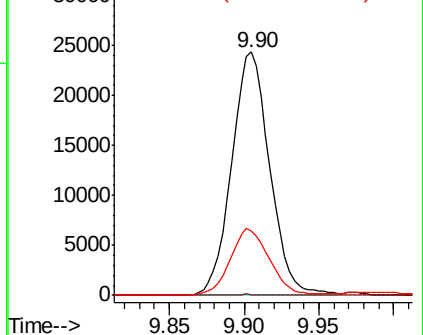
39 26.7 35.1 52.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO



#55

1,1,2-Trichloroethane

Concen: 0.460 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Tgt Ion: 97 Resp: 1500

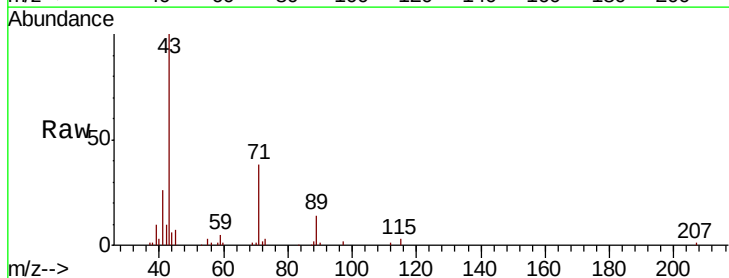
Ion Ratio Lower Upper

97 100

83 18.8 70.3 105.5#

85 0.0 44.8 67.2#

99 0.0 49.6 74.4#

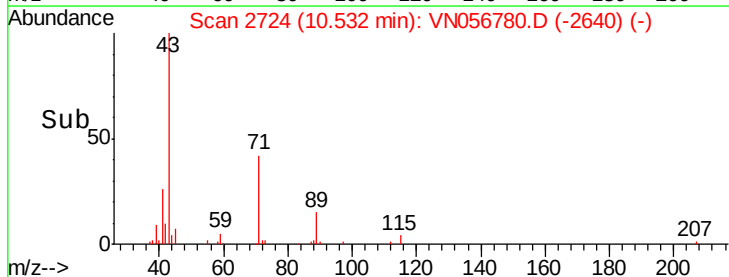
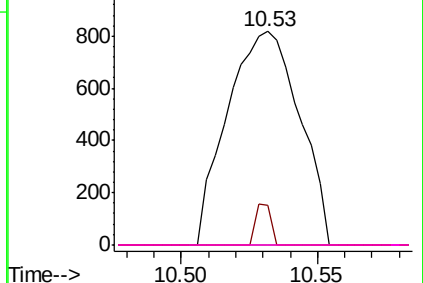


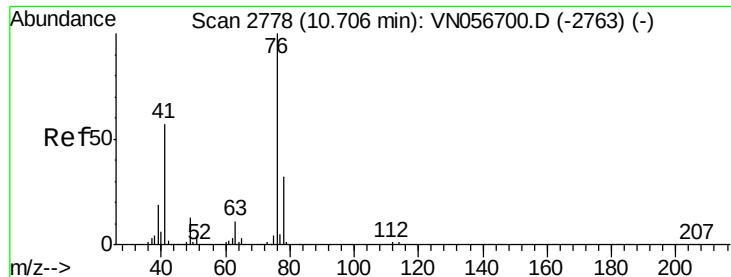
Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO





#57

1,3-Dichloropropane

Concen: 1.737 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

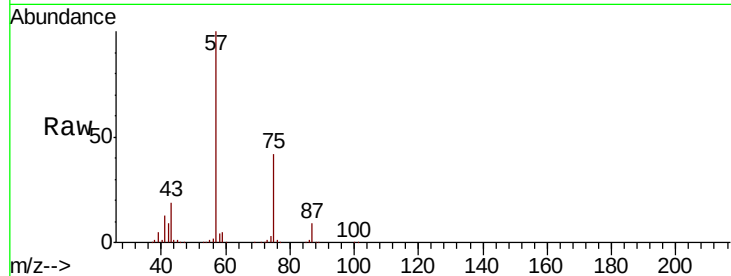
OR-03-071519-B

Tot Ion: 76 Resp: 9255

Ion Ratio Lower Upper

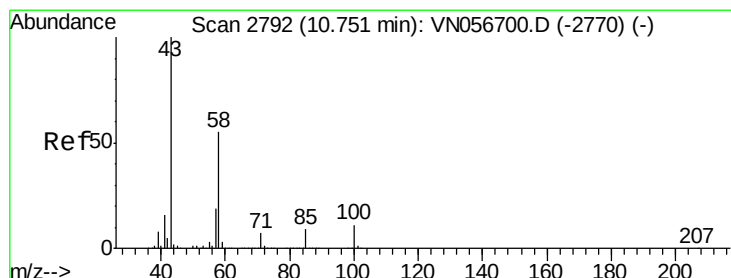
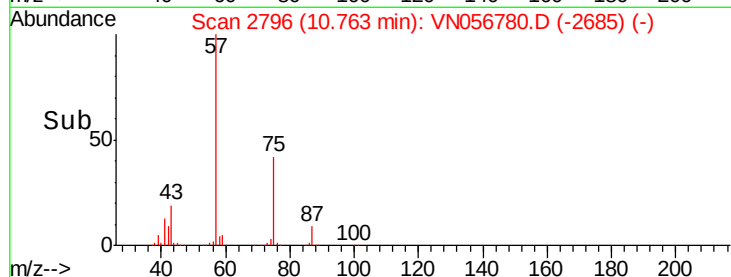
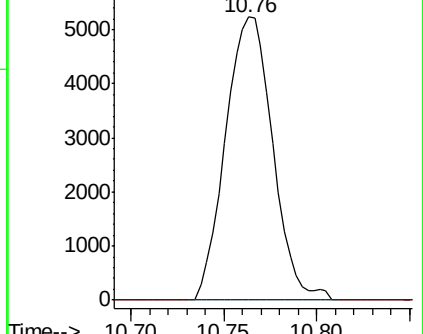
76 100

78 0.0 26.0 39.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 41.222 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN056780.D

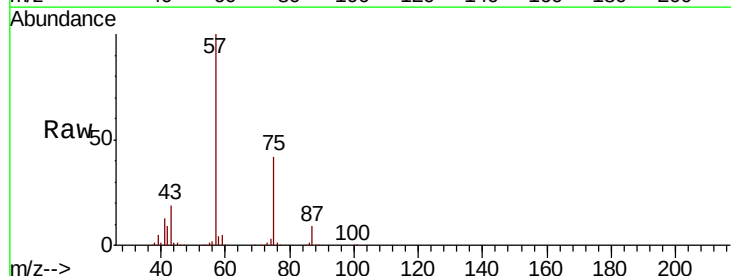
Acq: 16 Jul 2019 19:39

Tgt Ion: 43 Resp: 126889

Ion Ratio Lower Upper

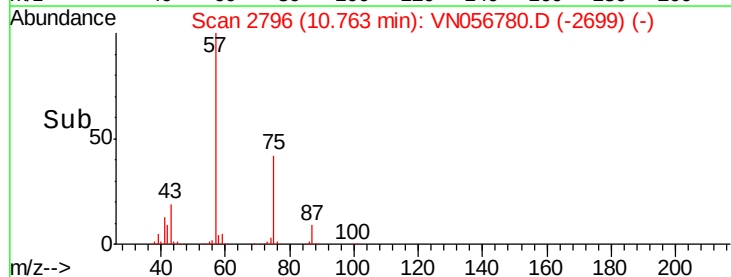
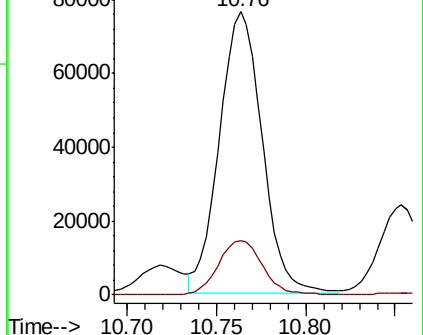
43 100

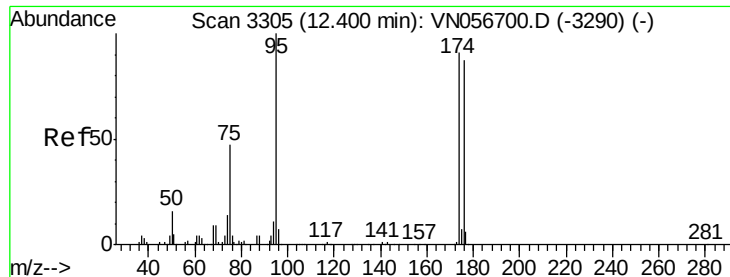
58 20.3 27.9 83.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 58.757 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampled :

OR-03-071519-B

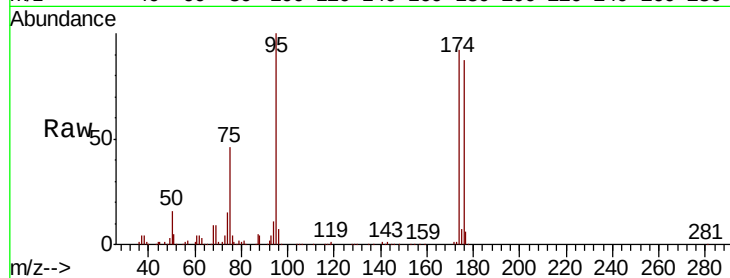
Tot Ion: 95 Resp: 220013

Ion Ratio Lower Upper

95 100

174 91.7 0.0 180.0

176 88.2 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056780.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN056780.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN056780.D (-3212) (-)

12.40

150000

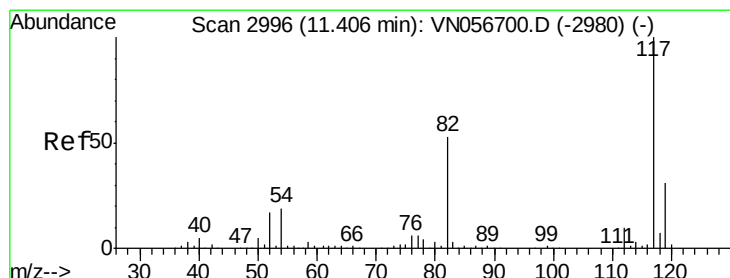
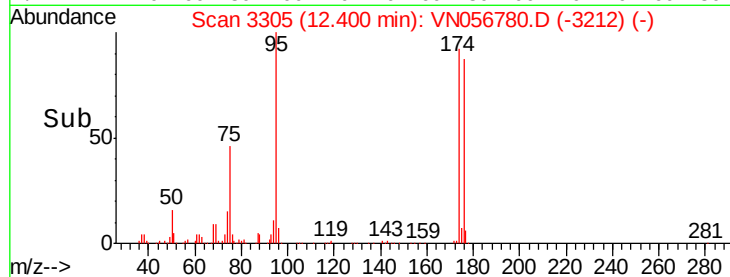
100000

50000

0

12.35 12.40 12.45

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

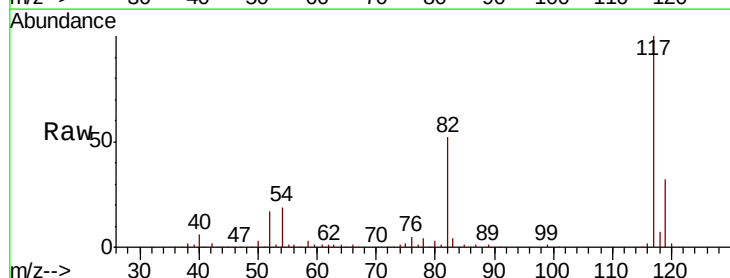
Tgt Ion: 117 Resp: 500516

Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.2

119 32.3 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN056780.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN056780.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056780.D (-2903) (-)

11.41

300000

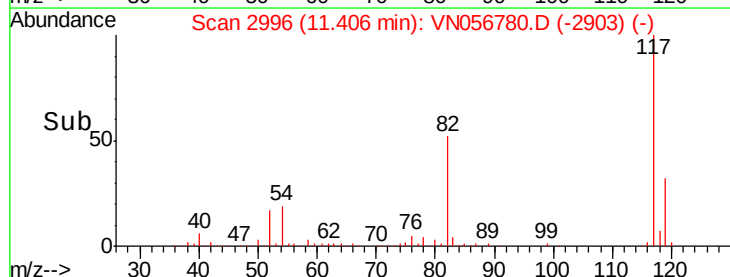
200000

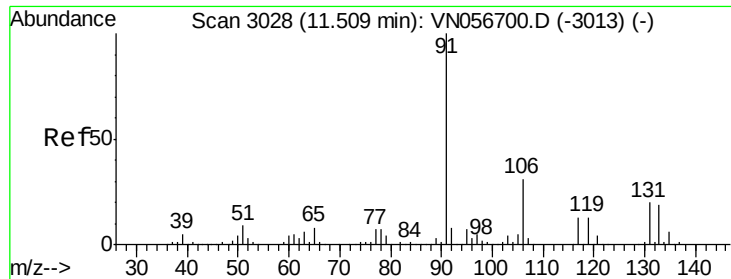
100000

0

11.30 11.40 11.50

Time-->

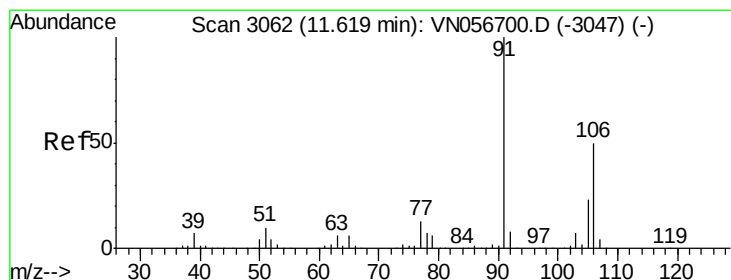
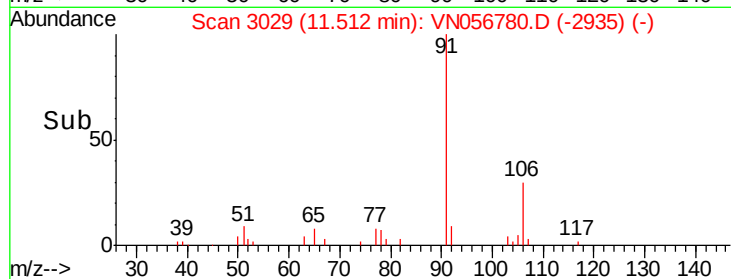
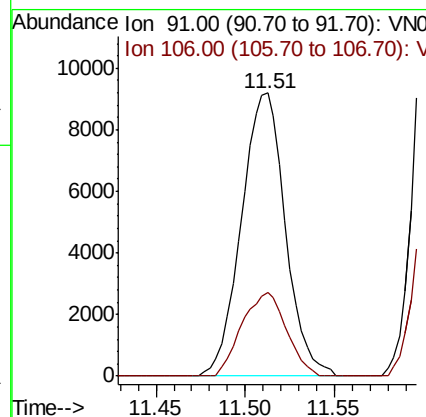
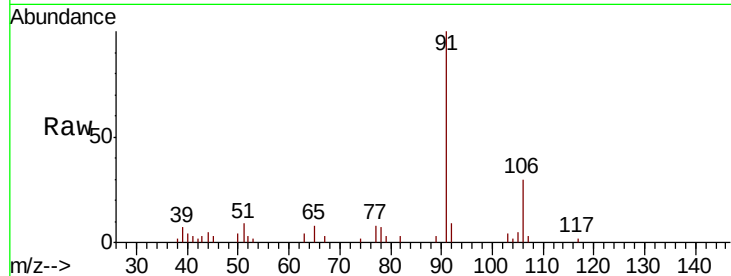




#67
Ethyl Benzene
Concen: 0.876 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

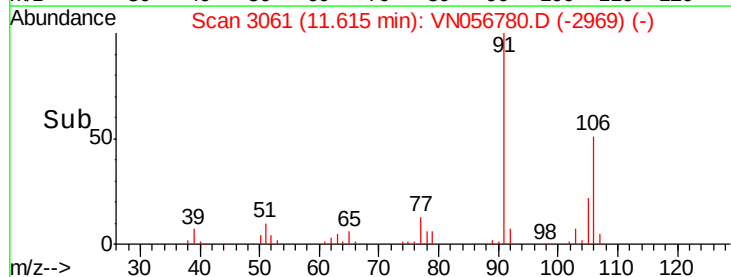
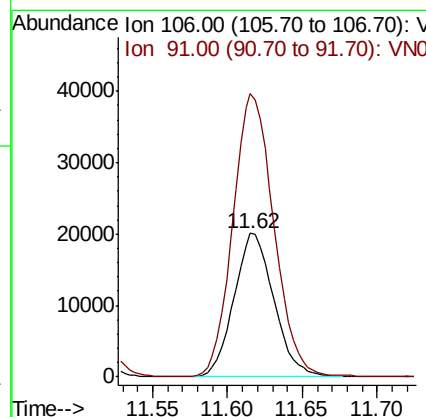
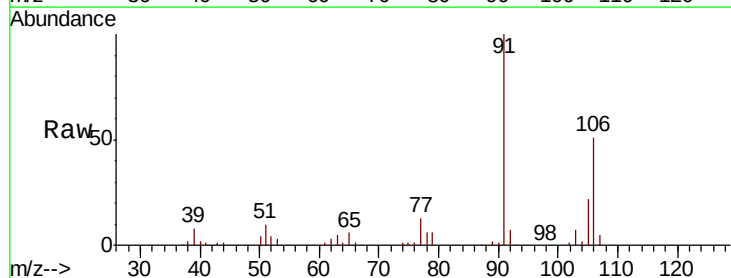
Instrument :
MSVOA_N
ClientSampled :
OR-03-071519-B

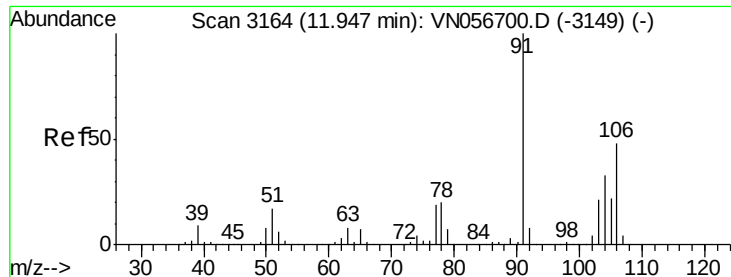
Tot Ion: 91 Resp: 15754
Ion Ratio Lower Upper
91 100
106 29.7 24.8 37.2



#68
m/p-Xylenes
Concen: 5.556 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion: 106 Resp: 37346
Ion Ratio Lower Upper
106 100
91 202.6 160.5 240.7

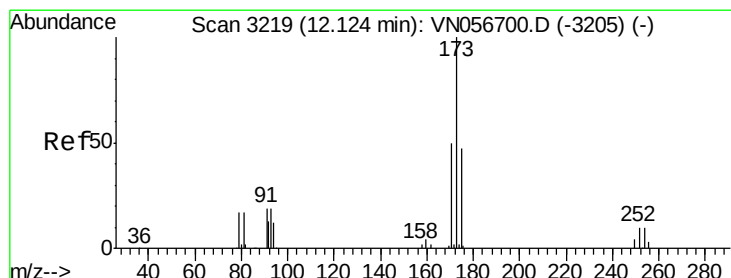
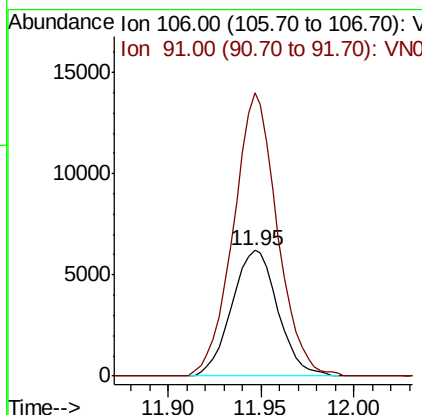
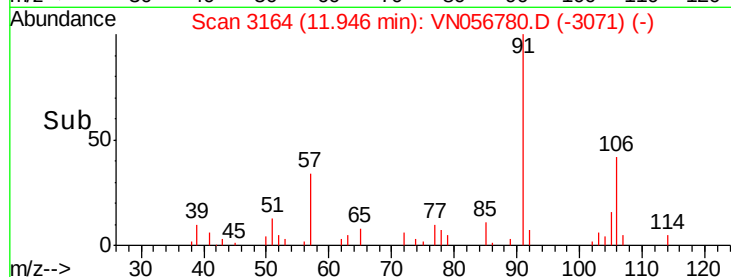
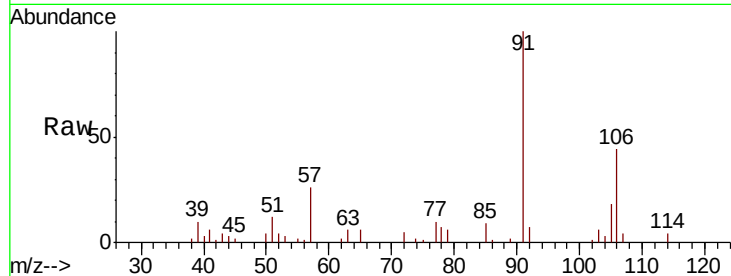




#69
o-Xylene
Concen: 1.615 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

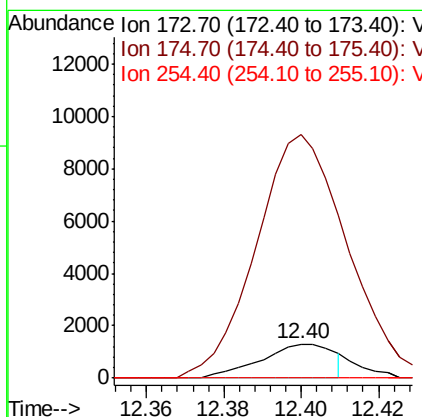
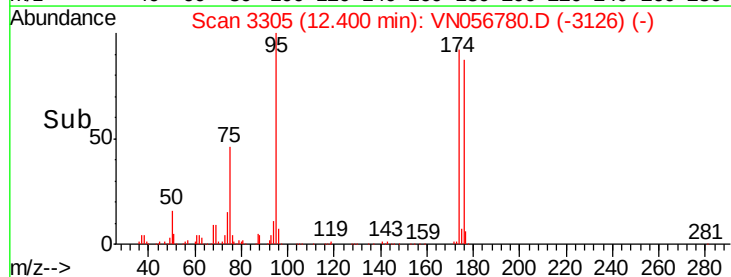
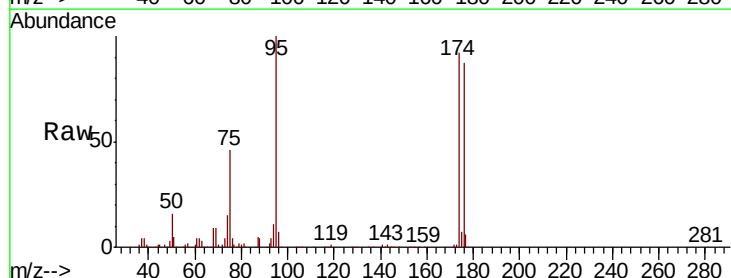
Instrument :
MSVOA_N
ClientSampleId :
OR-03-071519-B

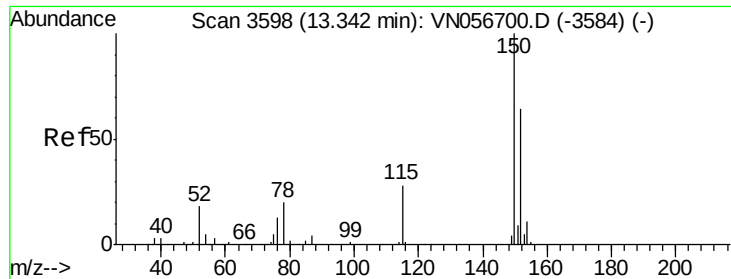
Tot Ion:106 Resp: 10672
Ion Ratio Lower Upper
106 100
91 215.2 105.6 316.8



#71
Bromoform
Concen: 0.601 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion:173 Resp: 1724
Ion Ratio Lower Upper
173 100
175 732.5 23.8 71.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

OR-03-071519-B

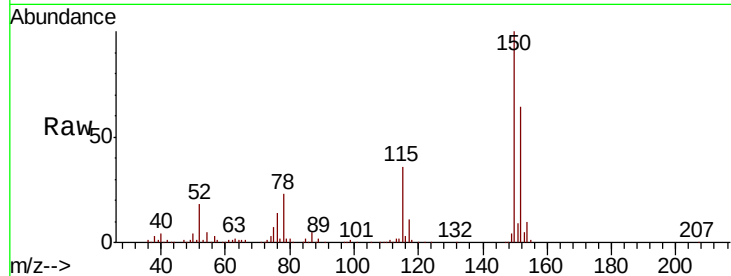
Tot Ion:152 Resp: 194684

Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.7

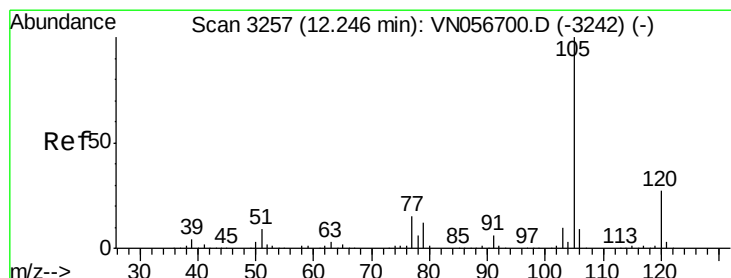
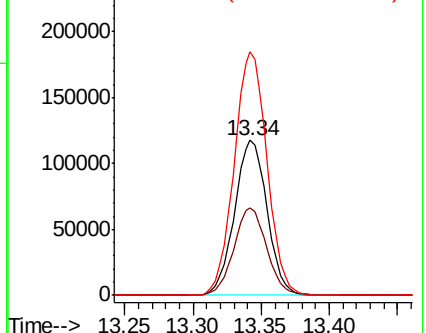
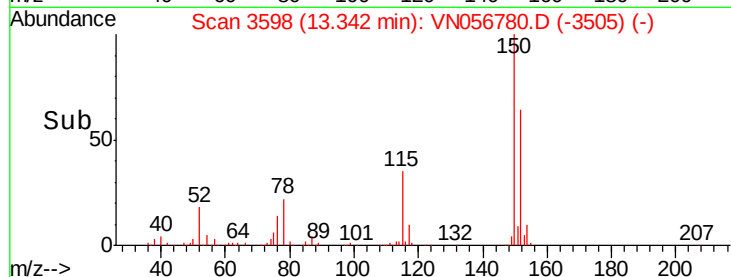
150 158.2 0.0 345.8



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



#73

Isopropylbenzene

Concen: 0.342 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056780.D

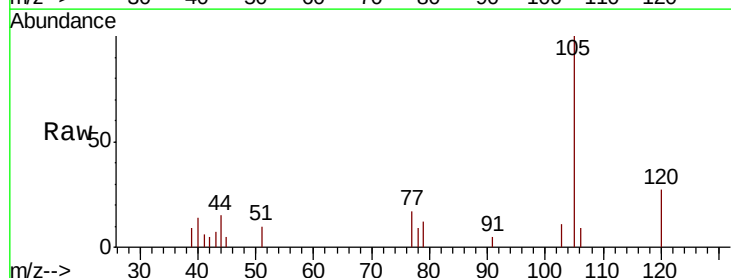
Acq: 16 Jul 2019 19:39

Tgt Ion:105 Resp: 5369

Ion Ratio Lower Upper

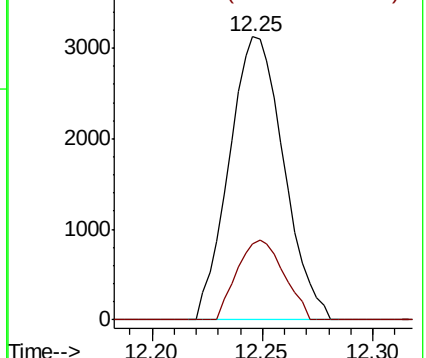
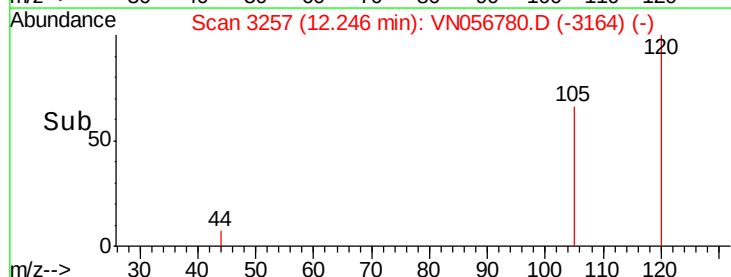
105 100

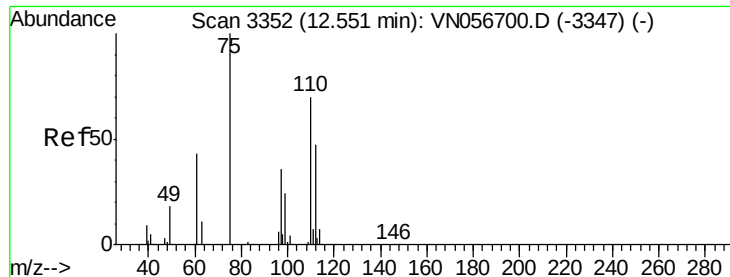
120 24.3 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 23.914 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

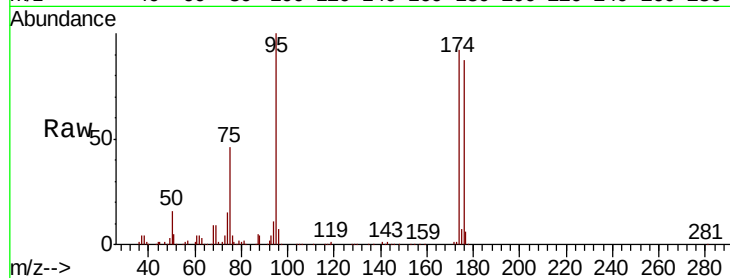
OR-03-071519-B

Tot Ion: 75 Resp: 101826

Ion Ratio Lower Upper

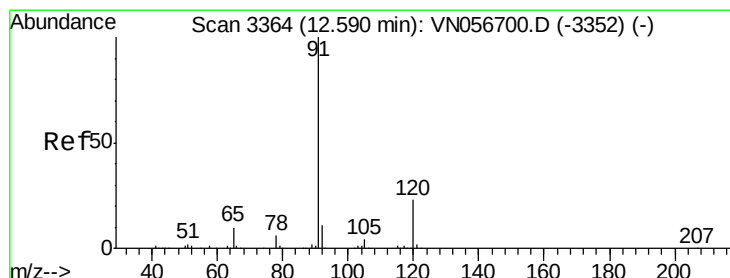
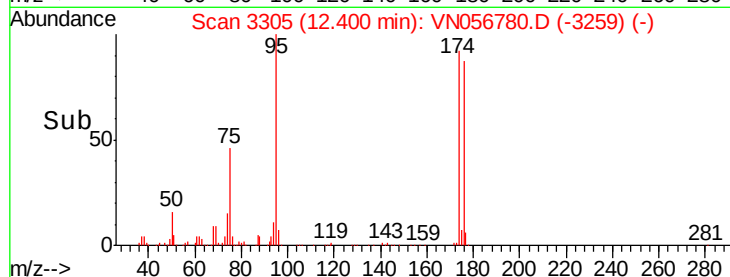
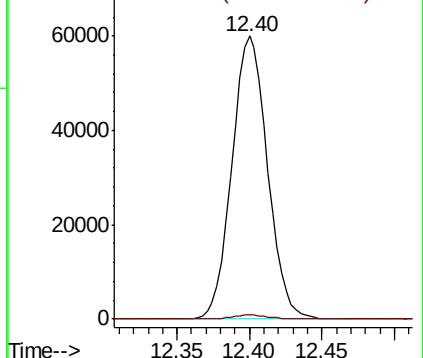
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.567 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN056780.D

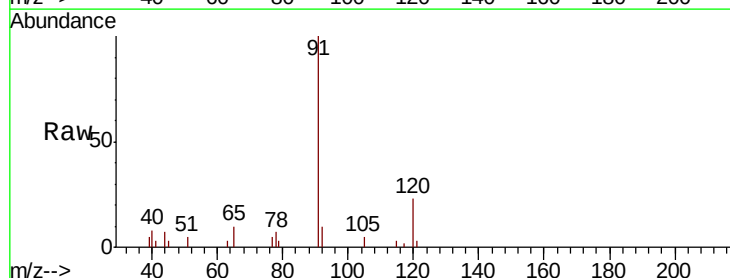
Acq: 16 Jul 2019 19:39

Tgt Ion: 91 Resp: 9882

Ion Ratio Lower Upper

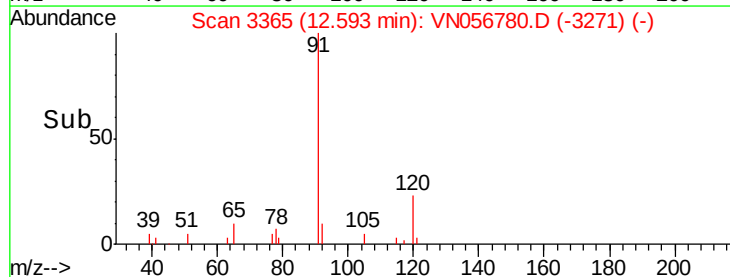
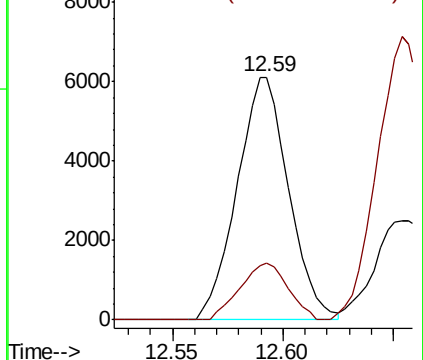
91 100

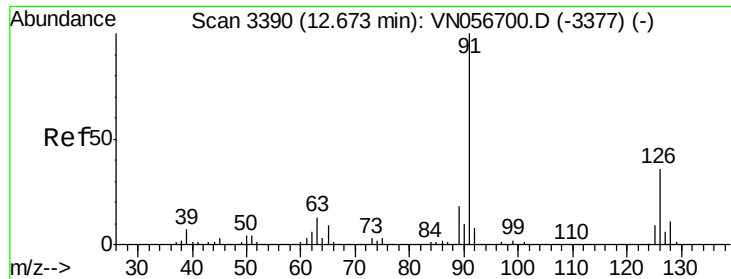
120 21.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): VN0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

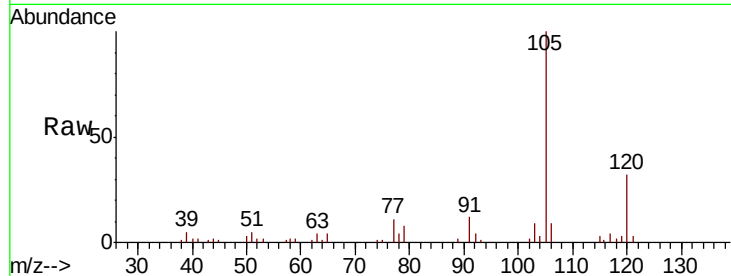
OR-03-071519-B

Tot Ion: 91 Resp: 5940

Ion Ratio Lower Upper

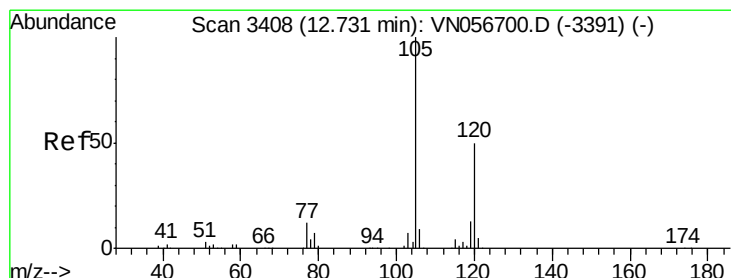
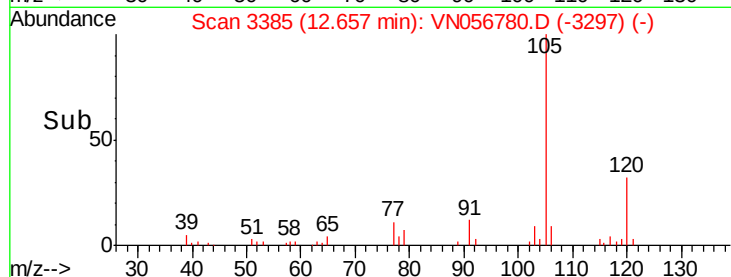
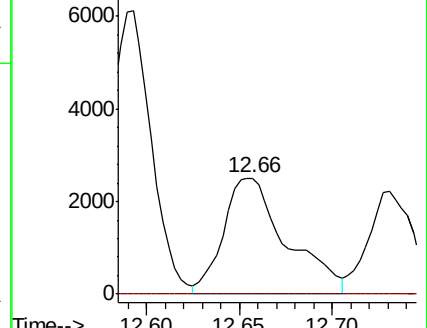
91 100

126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN056780.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056780.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.617 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056780.D

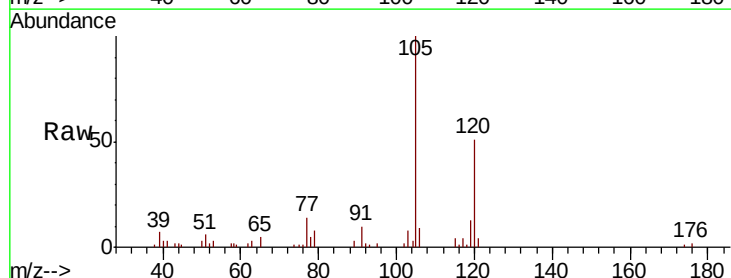
Acq: 16 Jul 2019 19:39

Tgt Ion: 105 Resp: 34820

Ion Ratio Lower Upper

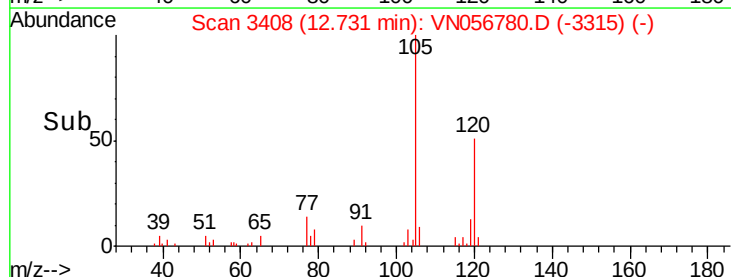
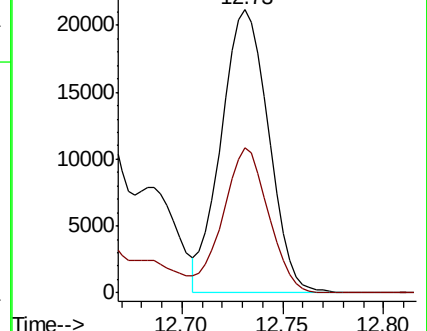
105 100

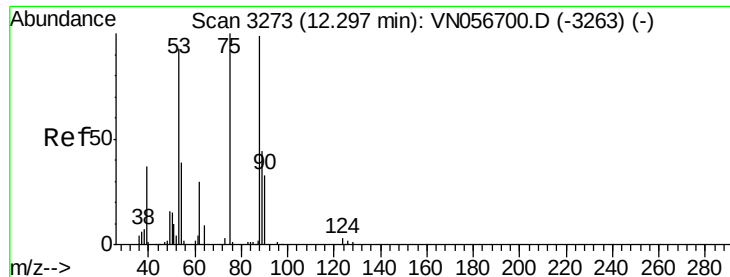
120 48.9 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056780.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056780.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 73.854 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

OR-03-071519-B

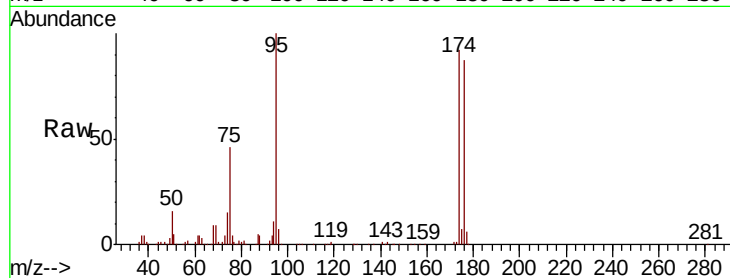
Tot Ion: 75 Resp: 101826

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

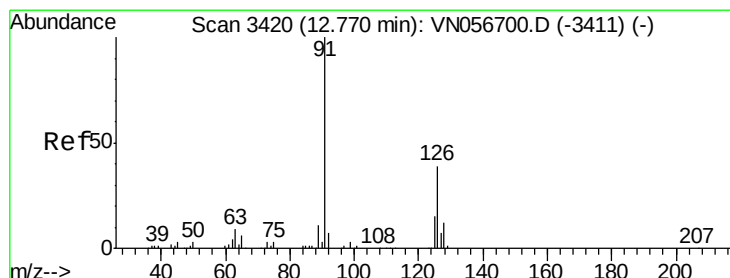
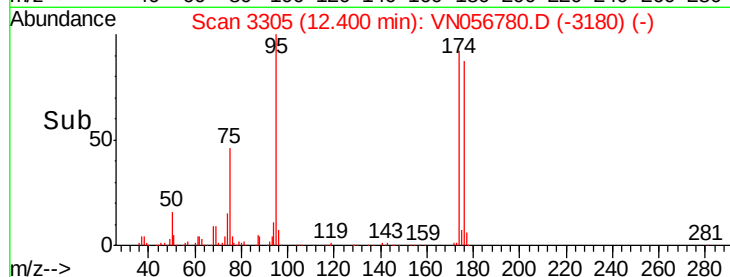
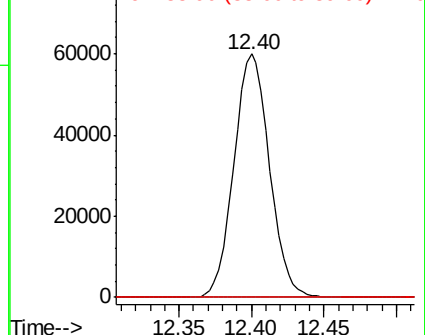
89 0.0 36.2 54.2#



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



#82

4-Chlorotoluene

Concen: 0.354 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN056780.D

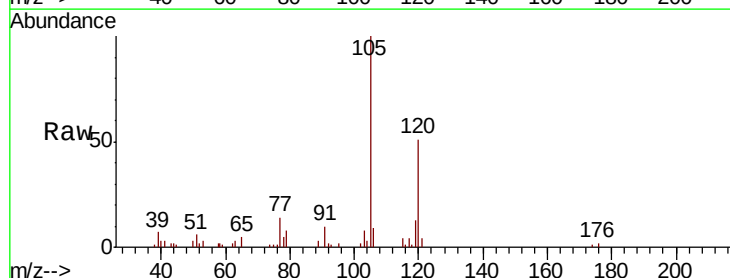
Acq: 16 Jul 2019 19:39

Tgt Ion: 91 Resp: 3616

Ion Ratio Lower Upper

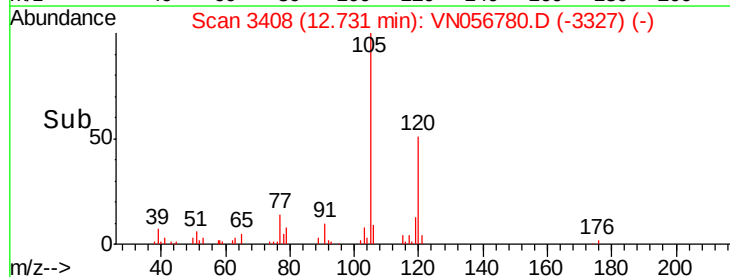
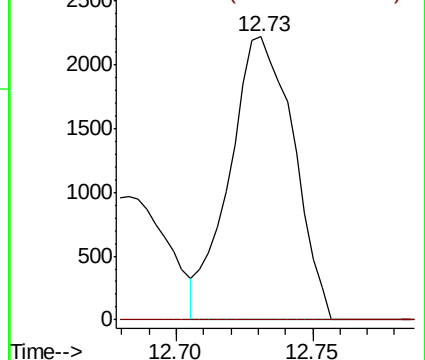
91 100

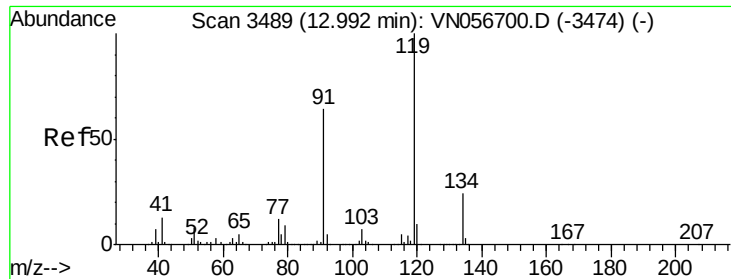
126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

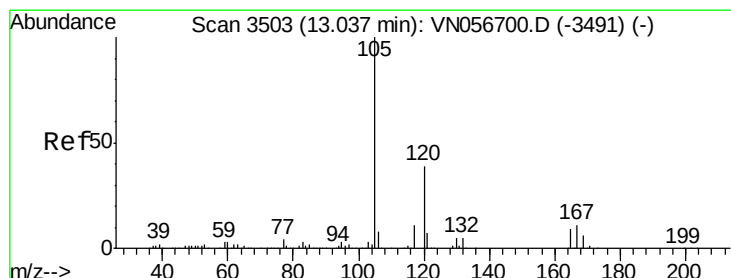
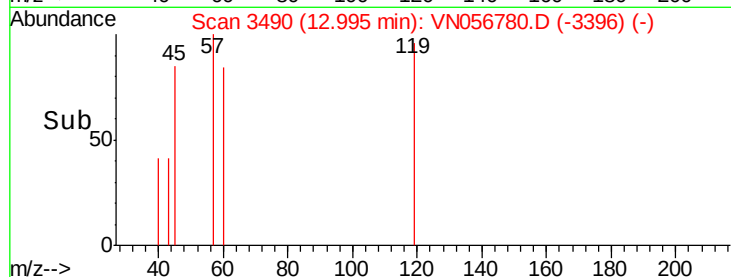
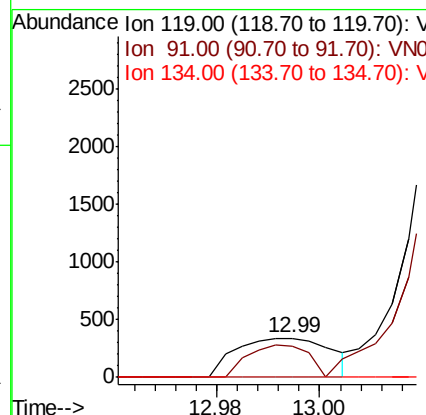
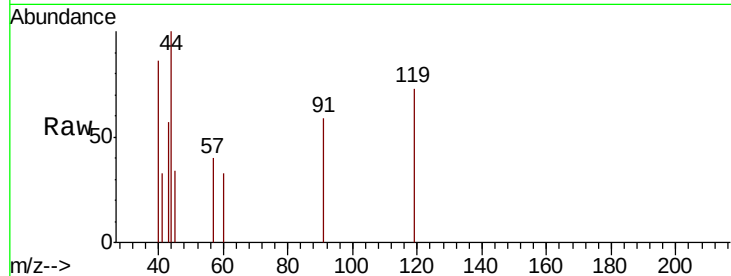




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN056780.D
 Acq: 16 Jul 2019 19:39

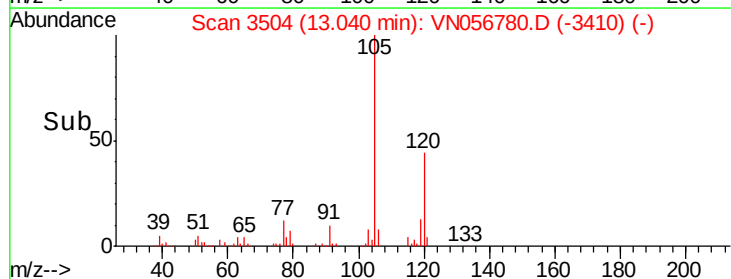
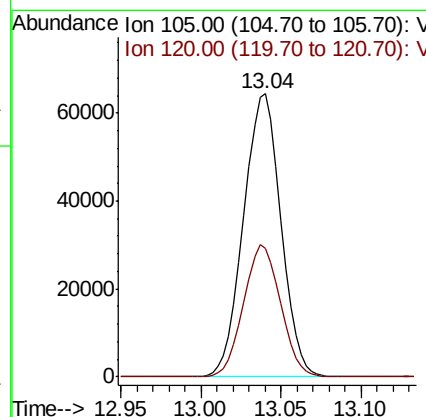
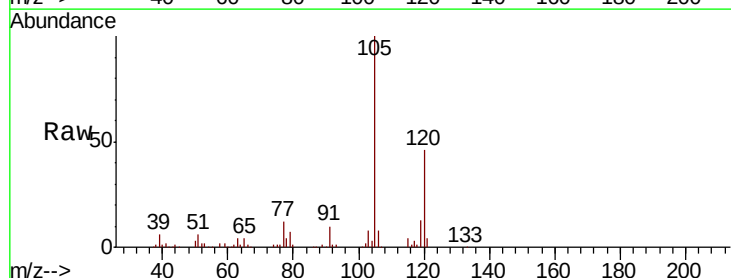
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-071519-B

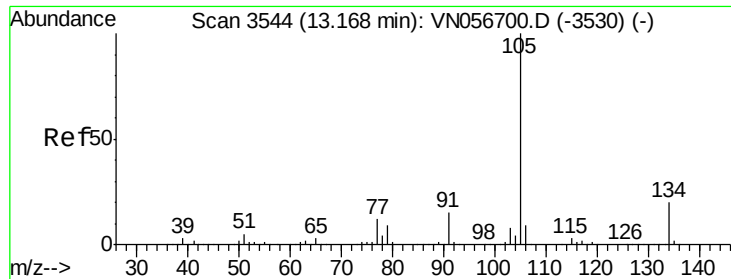
Tot Ion:119 Resp: 436
 Ion Ratio Lower Upper
 119 100
 91 0.0 31.8 95.4#
 134 0.0 13.0 38.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 7.905 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056780.D
 Acq: 16 Jul 2019 19:39

Tgt Ion:105 Resp: 102739
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 6.950 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

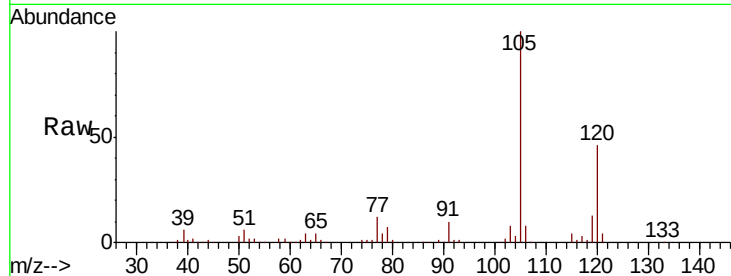
OR-03-071519-B

Tot Ion:105 Resp: 102739

Ion Ratio Lower Upper

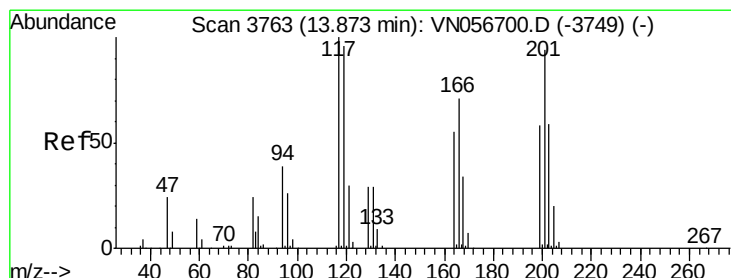
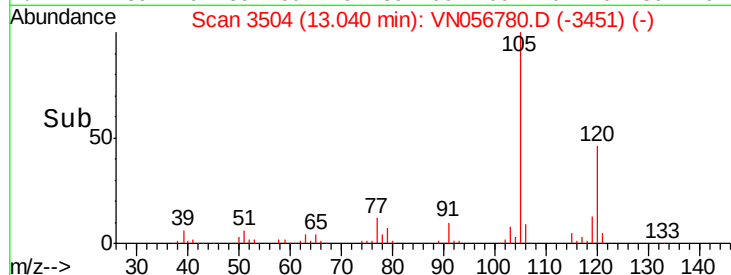
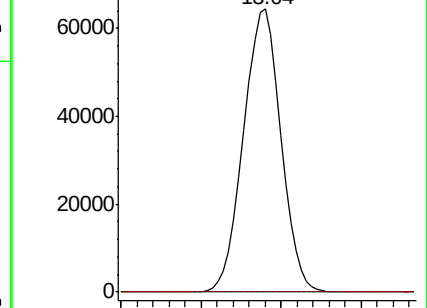
105 100

134 0.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.404 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN056780.D

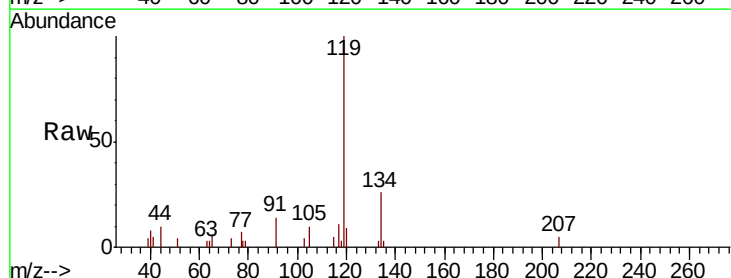
Acq: 16 Jul 2019 19:39

Tgt Ion:117 Resp: 874

Ion Ratio Lower Upper

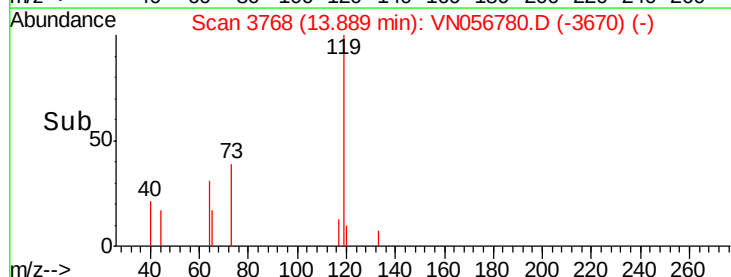
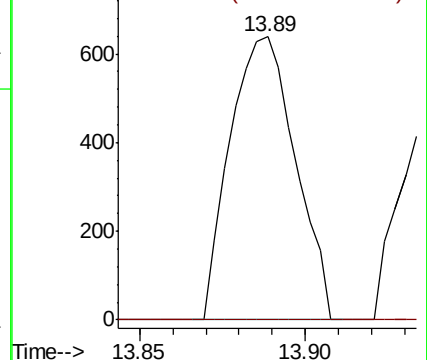
117 100

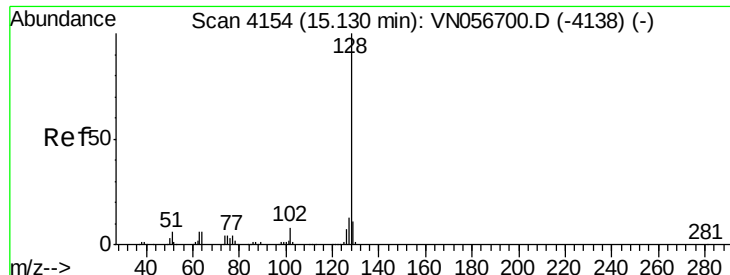
201 0.0 46.5 139.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 6.021 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

OR-03-071519-B

Tot Ion:128 Resp: 17155

Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

129 9.6 8.7 13.1

