

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050319\
 Data File : VN055378.D
 Acq On : 3 May 2019 10:22
 Operator : JC/SP
 Sample : VN0503WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBL01

Quant Time: May 03 23:18:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	419188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	713396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	630734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	162065	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	285937	52.14	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.59	113	230815	49.29	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.09	98	871980	51.57	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	260785	49.35	ug/l	0.00
Spiked Amount						

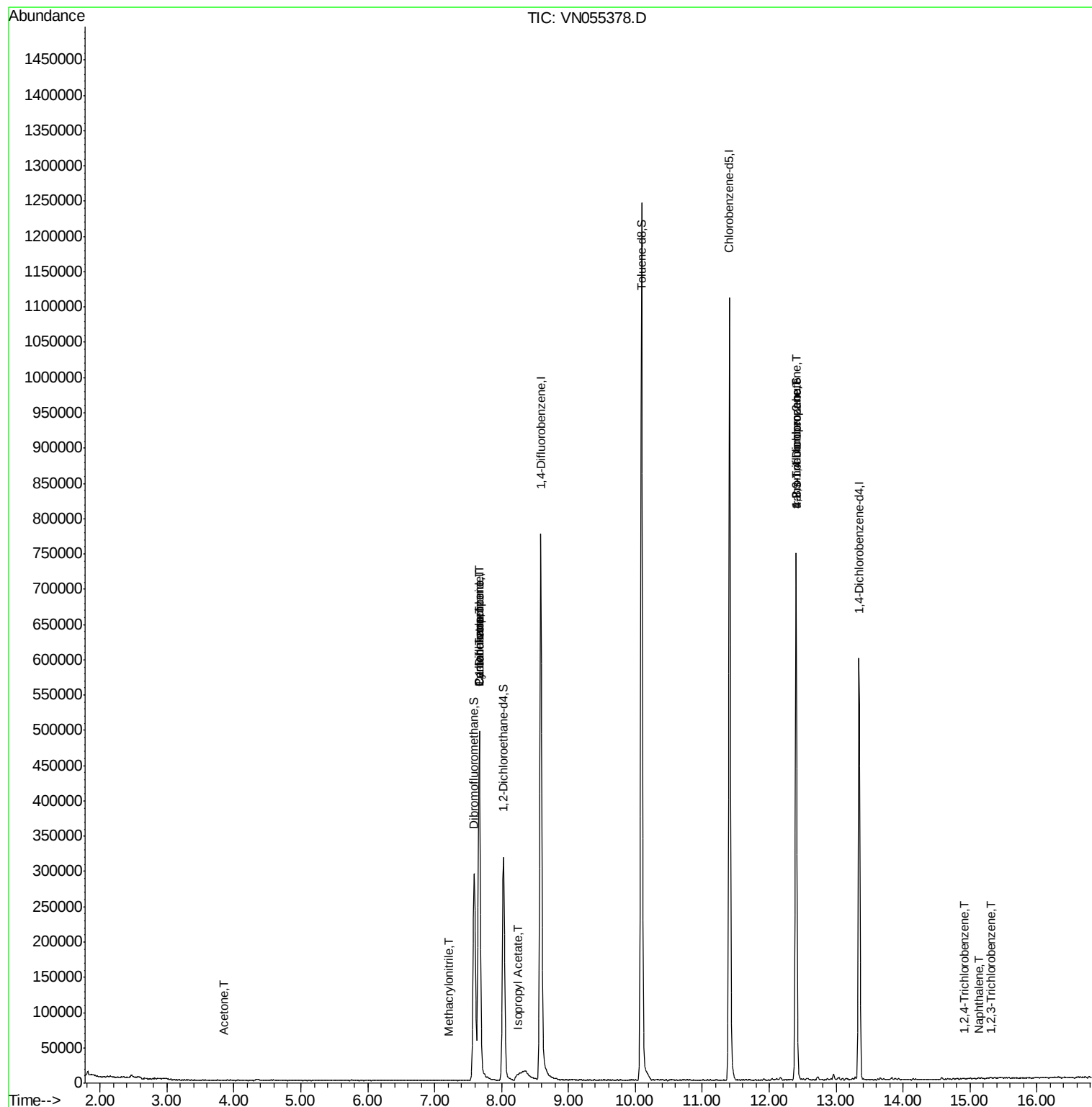
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.84	43	716	0.419	ug/l #	45
18) Methyl Acetate	4.33	43	2411	Below Cal	#	79
31) Cyclohexane	7.66	56	9502	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	31489	4.608	ug/l #	50
38) Carbon Tetrachloride	7.66	117	39440	5.983	ug/l #	16
41) Methacrylonitrile	7.22	41	162	0.796	ug/l #	23
43) Isopropyl Acetate	8.23	43	5756	0.684	ug/l #	56
73) Isopropylbenzene	12.25	105	648	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	12.40	83	99	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	131467	43.305	ug/l #	100
79) 2-Chlorotoluene	12.67	91	484	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	131467	153.728	ug/l #	7
83) tert-Butylbenzene	13.00	119	314	Below Cal	#	81
93) 1,2,4-Trichlorobenzene	14.91	180	158	3.380	ug/l #	25
95) Naphthalene	15.14	128	868	3.508	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.32	180	390	2.790	ug/l #	61

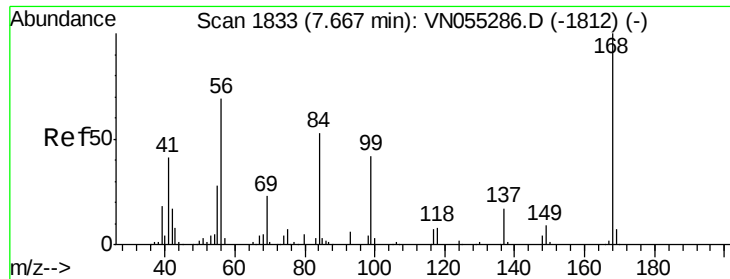
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050319\
Data File : VN055378.D
Acq On : 3 May 2019 10:22
Operator : JC/SP
Sample : VN0503WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBL01

Quant Time: May 03 23:18:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055378.D

Acq: 3 May 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

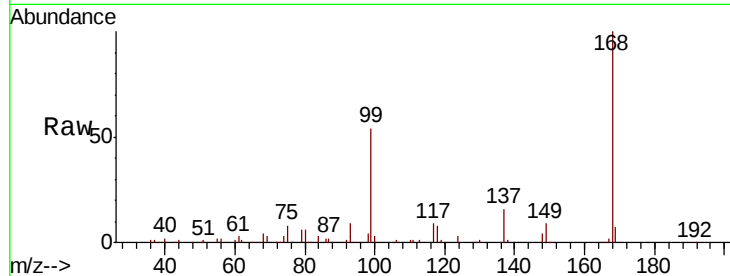
VN0503WBL01

Tot Ion:168 Resp: 419188

Ion Ratio Lower Upper

168 100

99 54.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

7.67

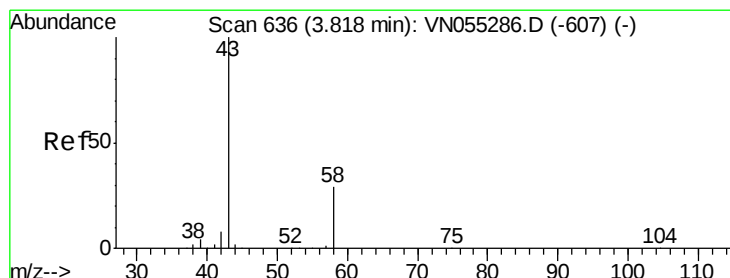
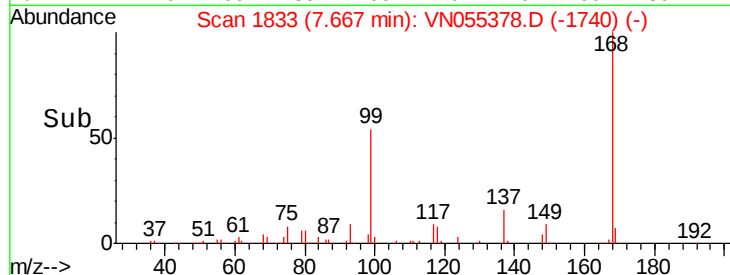
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.419 ug/l

RT: 3.84 min Scan# 642

Delta R.T. 0.02 min

Lab File: VN055378.D

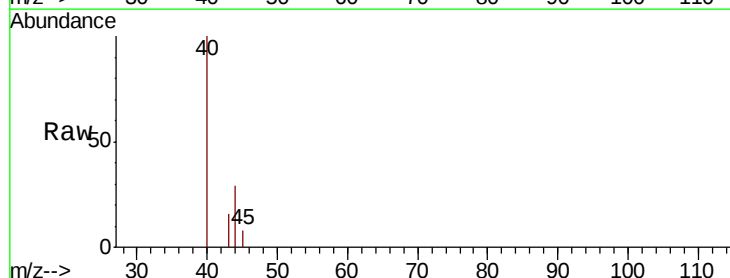
Acq: 3 May 2019 10:22

Tgt Ion: 43 Resp: 716

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-607) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-607) (-)

3.84

500

400

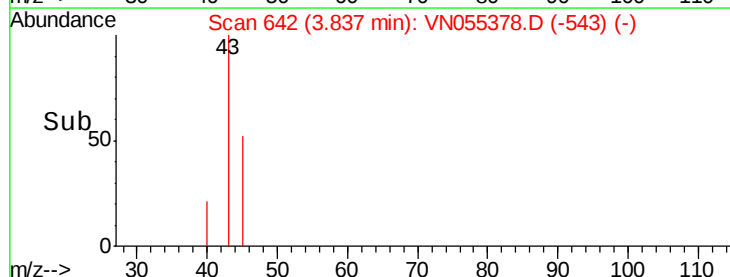
300

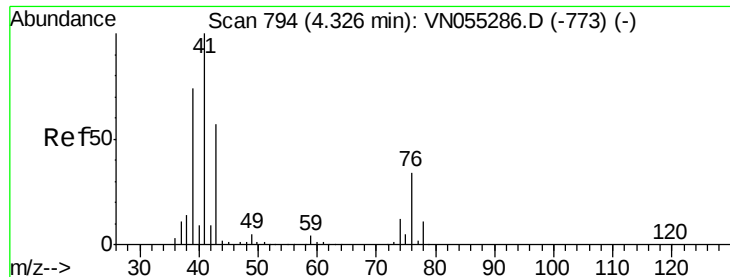
200

100

0

Time-->

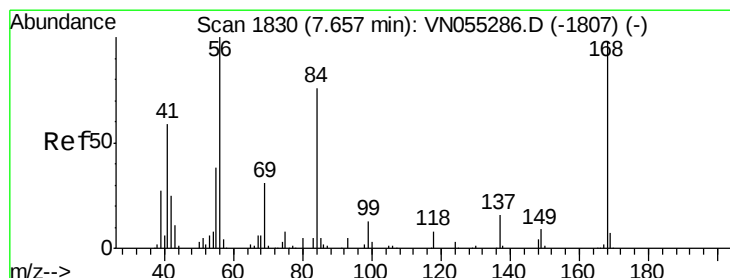
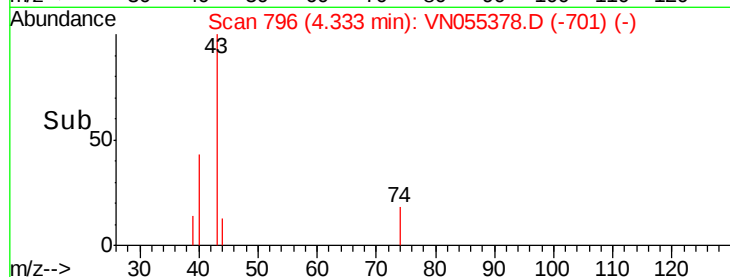
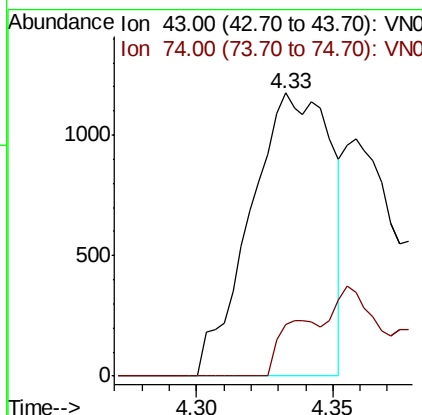
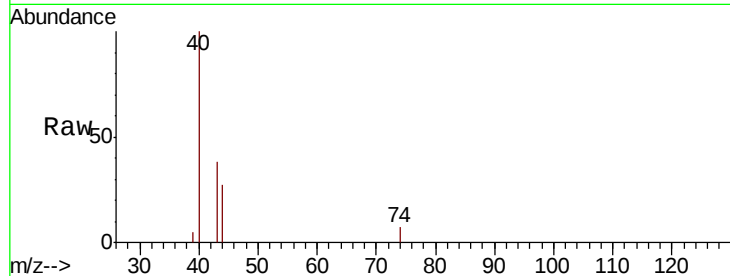




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055378.D
Acq: 3 May 2019 10:22

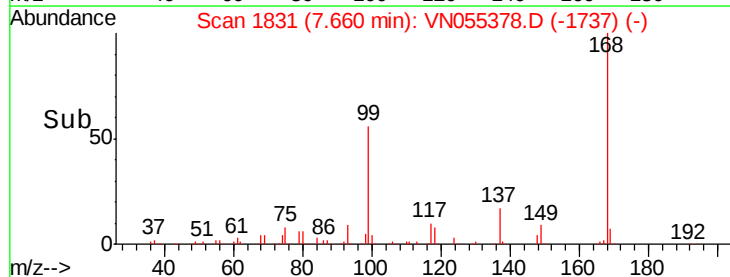
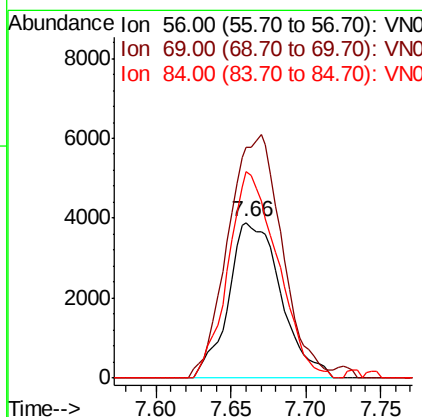
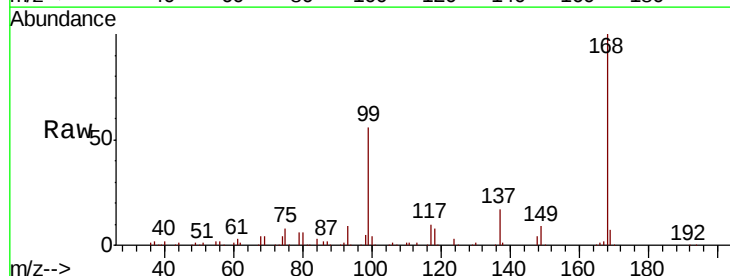
Instrument :
MSVOA_N
ClientSampled :
VN0503WBL01

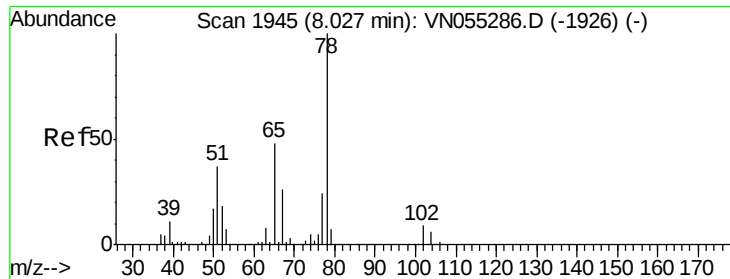
Tot Ion: 43 Resp: 2411
Ion Ratio Lower Upper
43 100
74 10.1 15.8 23.8#



#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN055378.D
Acq: 3 May 2019 10:22

Tgt Ion: 56 Resp: 9502
Ion Ratio Lower Upper
56 100
69 148.1 25.2 37.8#
84 132.8 61.1 91.7#

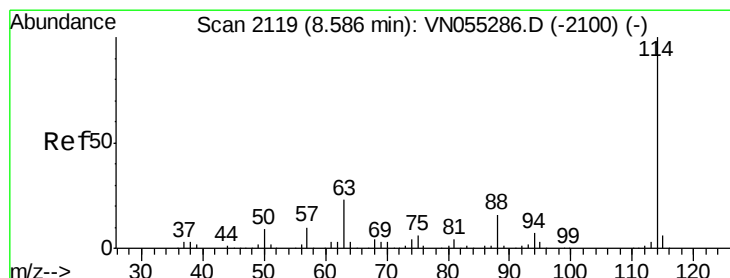
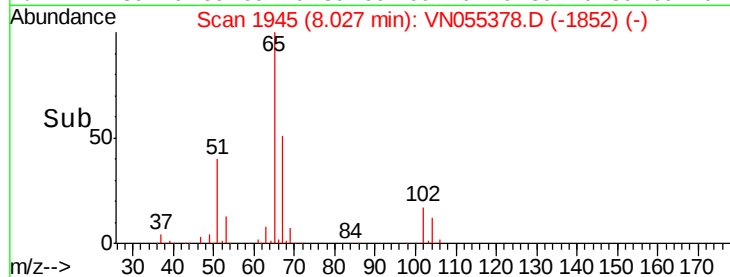
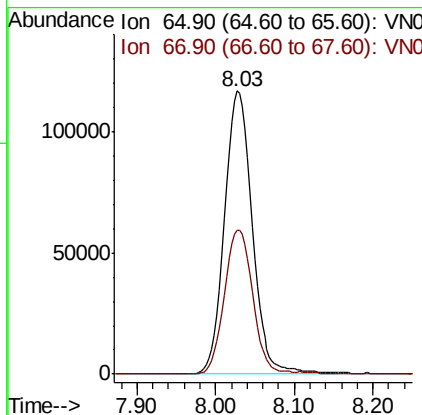
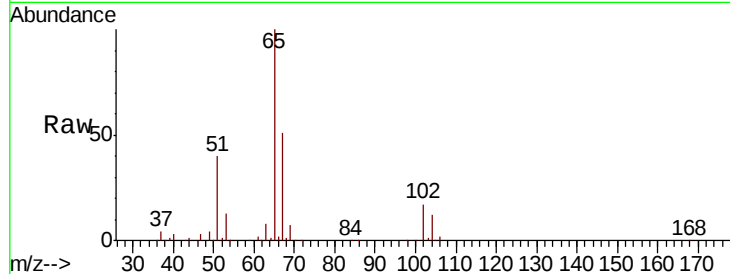




#33
 1,2-Dichloroethane-d4
 Concen: 52.141 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055378.D
 Acq: 3 May 2019 10:22

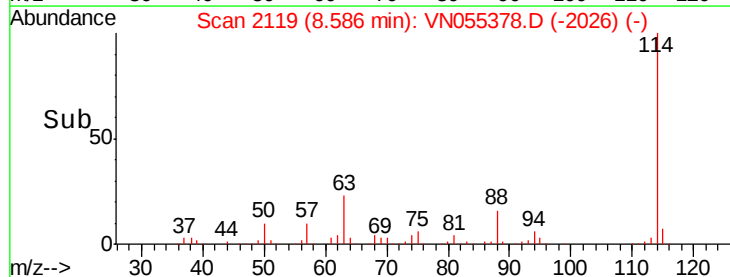
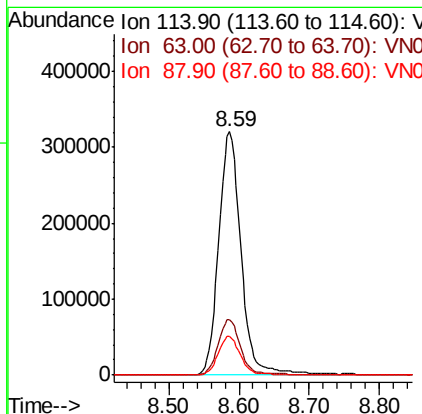
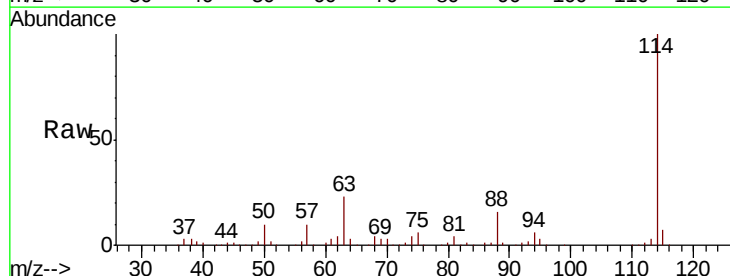
Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBL01

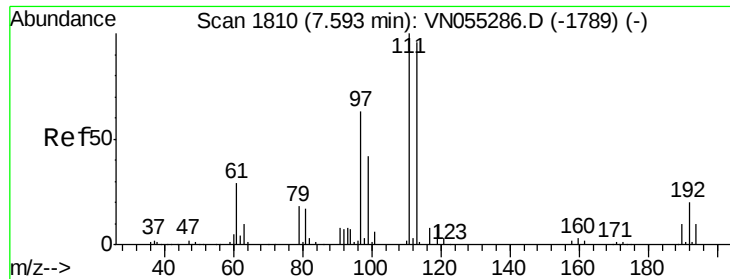
Tot Ion: 65 Resp: 285937
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055378.D
 Acq: 3 May 2019 10:22

Tgt Ion: 114 Resp: 713396
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.2
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.293 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055378.D

Acq: 3 May 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBL01

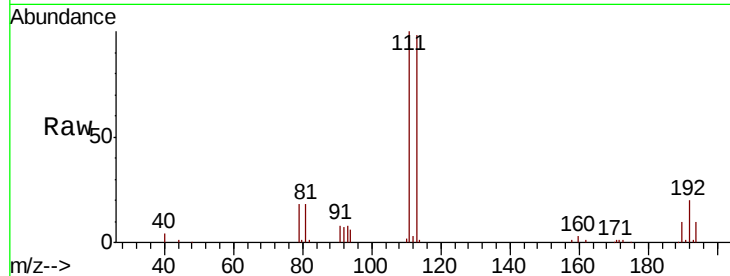
Tot Ion:113 Resp: 230815

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

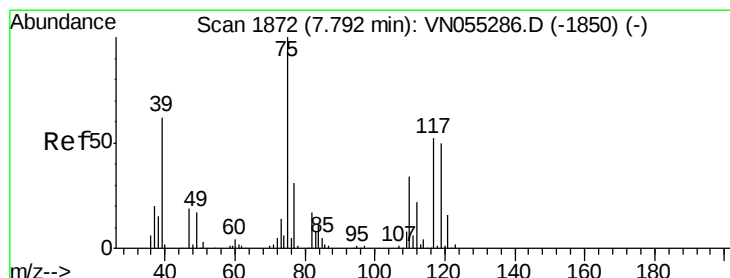
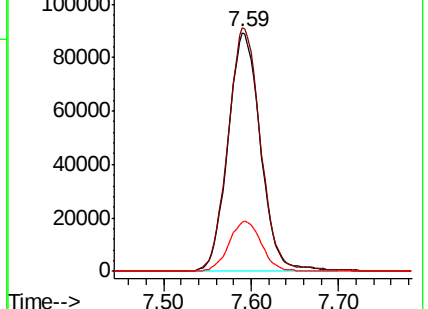
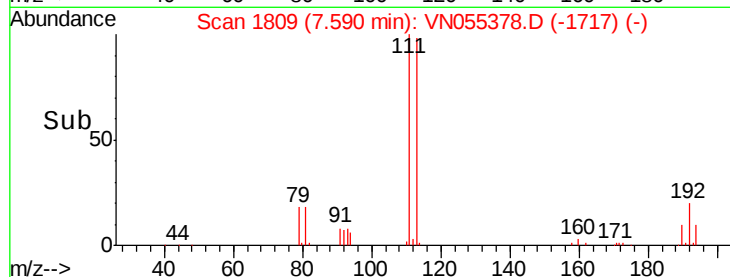
192 20.9 17.0 25.6



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: 4.608 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055378.D

Acq: 3 May 2019 10:22

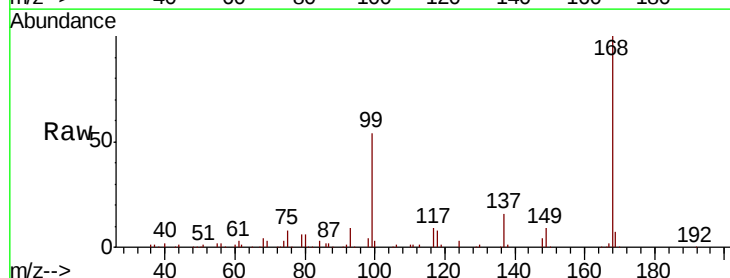
Tgt Ion: 75 Resp: 31489

Ion Ratio Lower Upper

75 100

110 8.6 16.8 50.4#

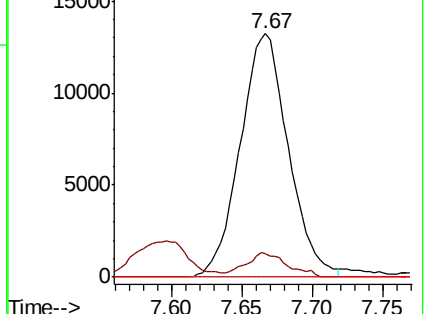
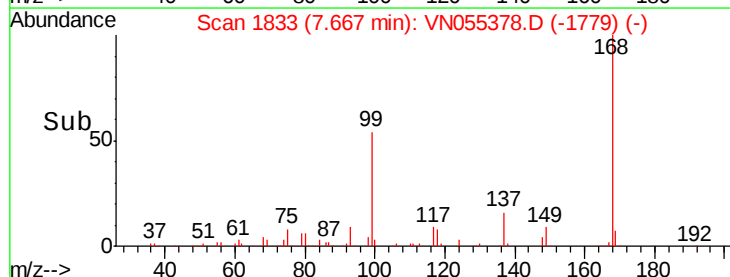
77 0.0 25.0 37.6#

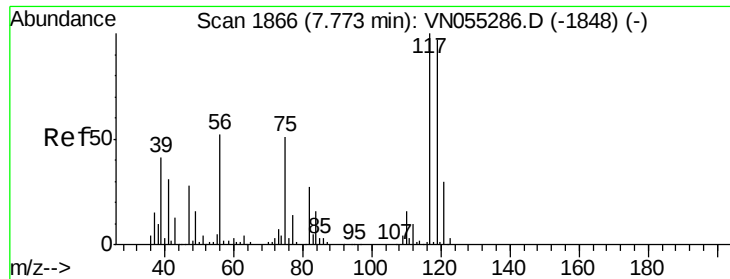


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.983 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055378.D

Acq: 3 May 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

VN0503WBL01

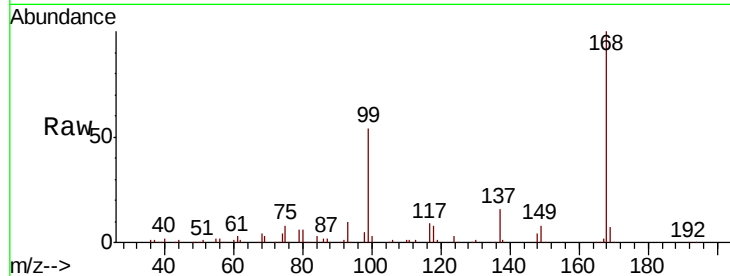
Tot Ion:117 Resp: 39440

Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.6#

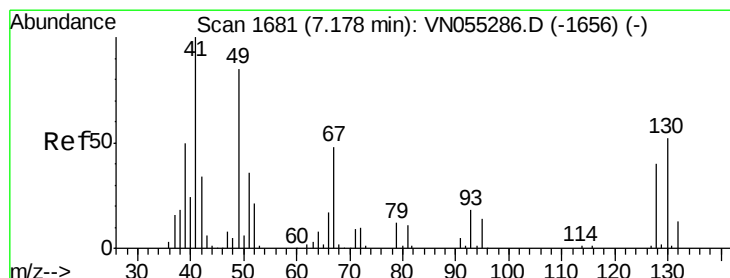
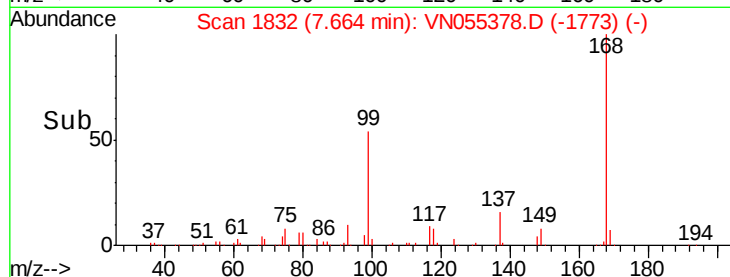
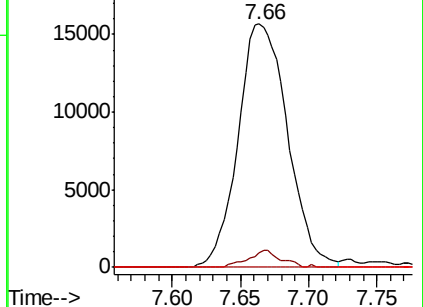
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 0.796 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.04 min

Lab File: VN055378.D

Acq: 3 May 2019 10:22

Tgt Ion: 41 Resp: 162

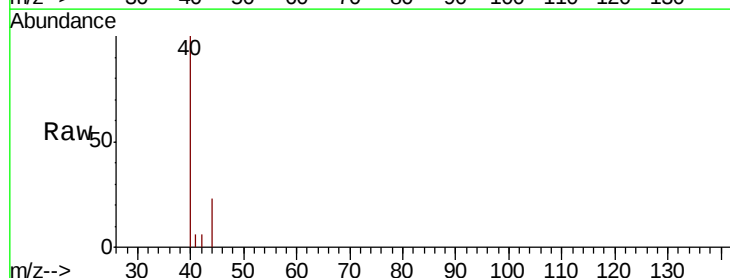
Ion Ratio Lower Upper

41 100

39 0.0 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

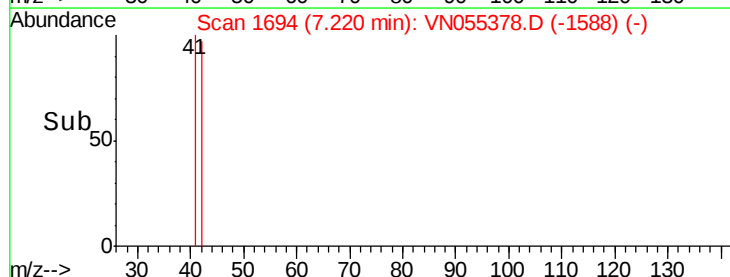
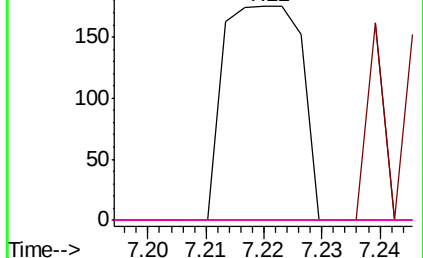


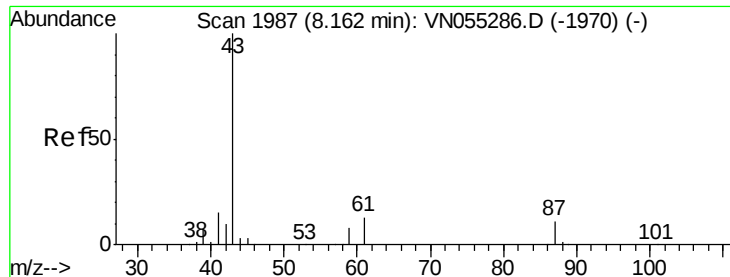
Abundance Ion 41.00 (40.70 to 41.70): VNO

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





#43

Isopropyl Acetate

Concen: 0.684 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN055378.D

Acq: 3 May 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBL01

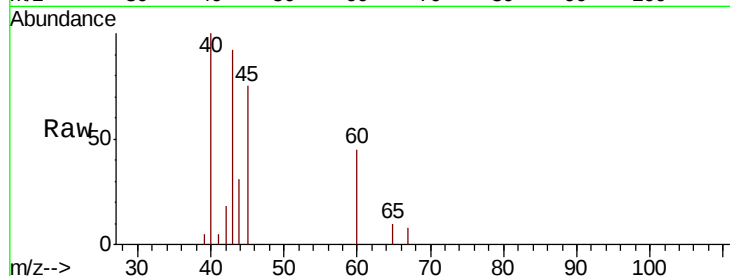
Tot Ion: 43 Resp: 5756

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

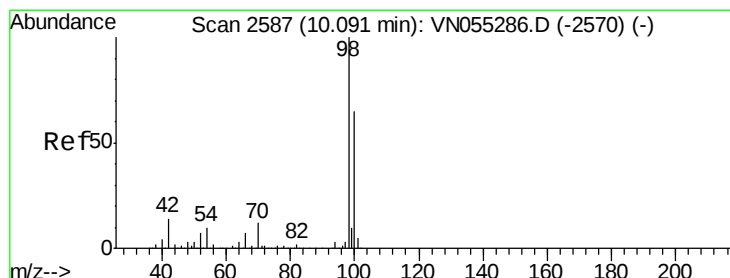
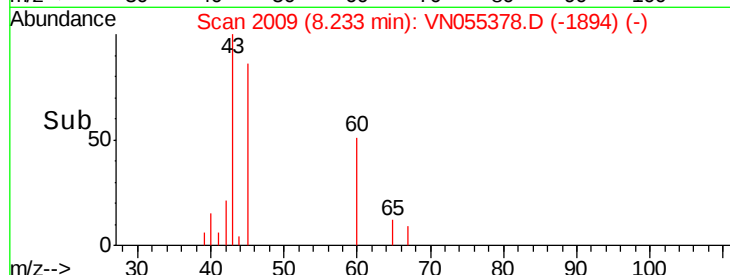
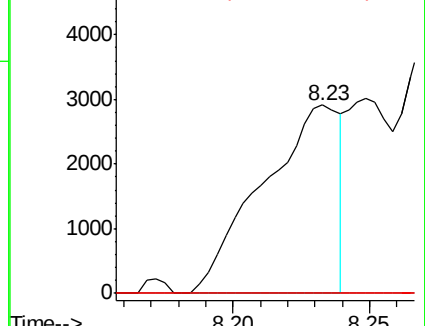
87 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.572 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055378.D

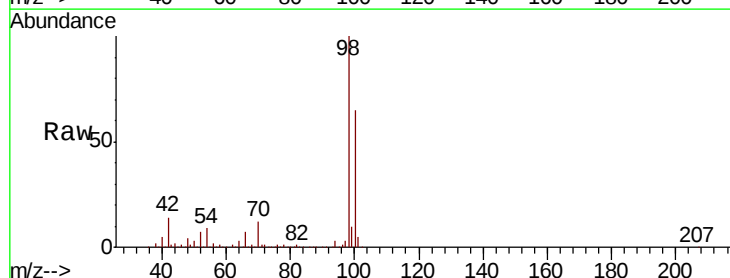
Acq: 3 May 2019 10:22

Tgt Ion: 98 Resp: 871980

Ion Ratio Lower Upper

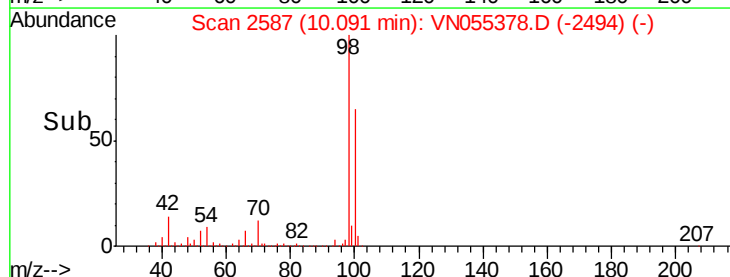
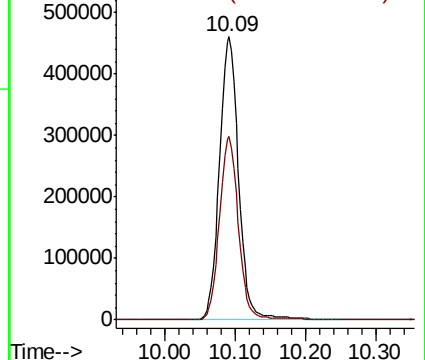
98 100

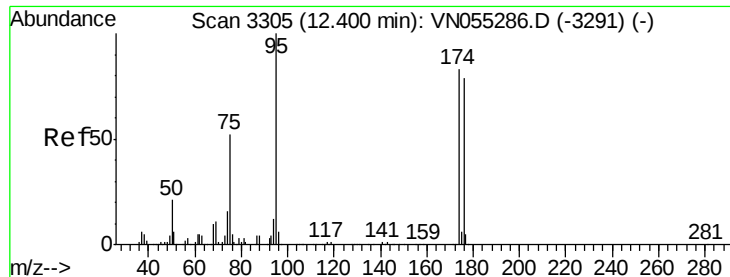
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

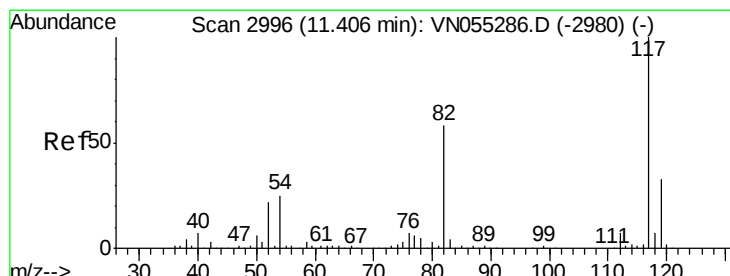
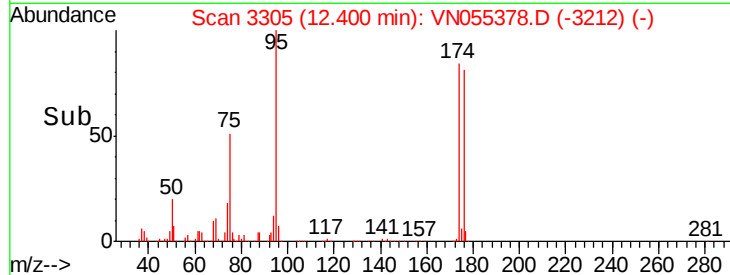
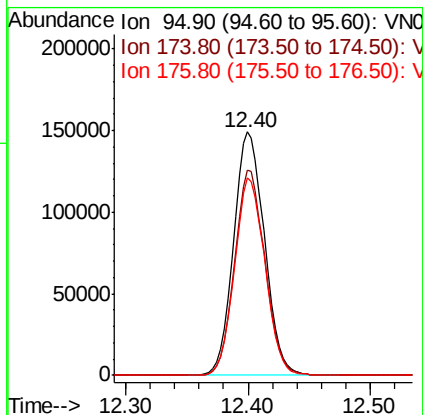
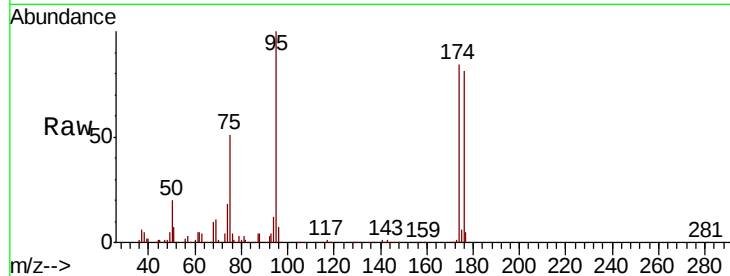




#62
4-Bromofluorobenzene
Concen: 49.351 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055378.D
Acq: 3 May 2019 10:22

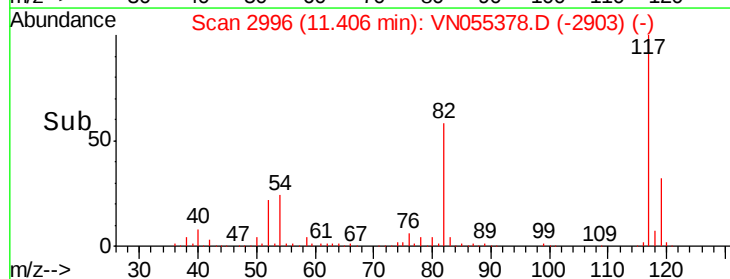
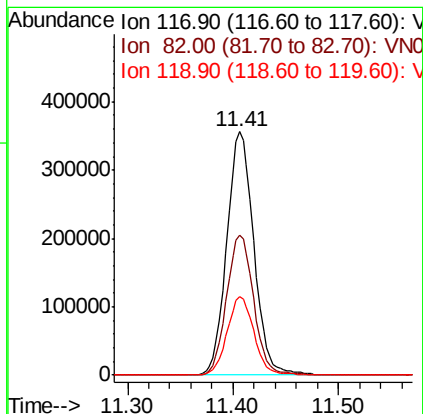
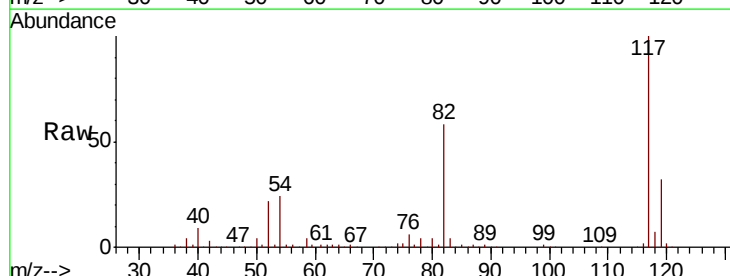
Instrument :
MSVOA_N
ClientSampleId :
VN0503WBL01

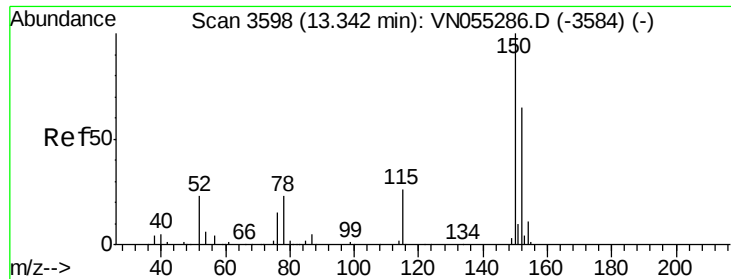
Tot Ion	95	Resp	260785
Ion Ratio	100		
Lower			
Upper			
174	83.2	0.0	166.6
176	79.8	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055378.D
Acq: 3 May 2019 10:22

Tgt Ion	117	Resp	630734
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	57.7	46.2	69.4
119	32.3	26.6	40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055378.D

Acq: 3 May 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBL01

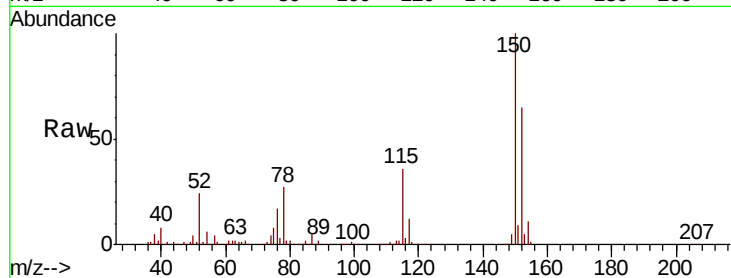
Tot Ion:152 Resp: 162065

Ion Ratio Lower Upper

152 100

115 57.2 29.0 87.0

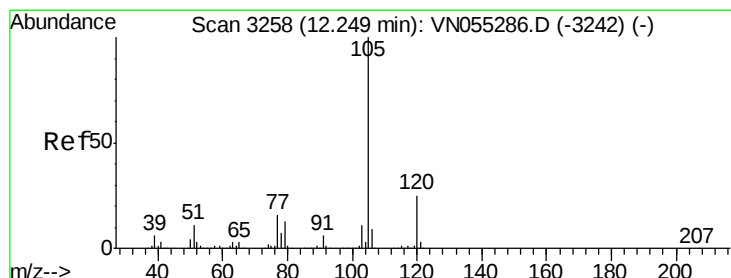
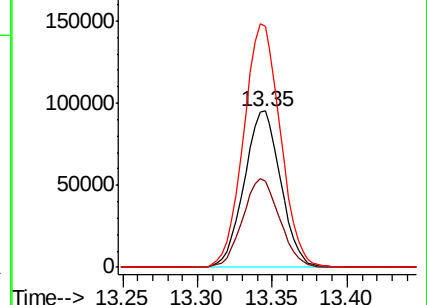
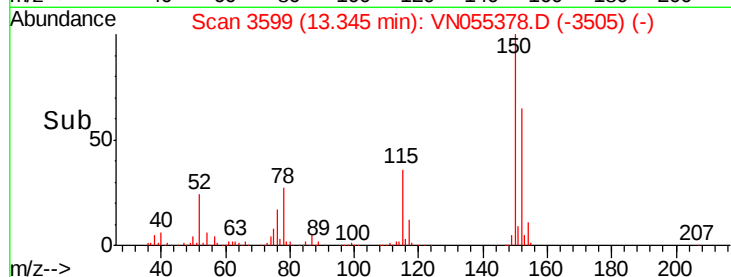
150 156.7 0.0 345.6



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: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN055378.D

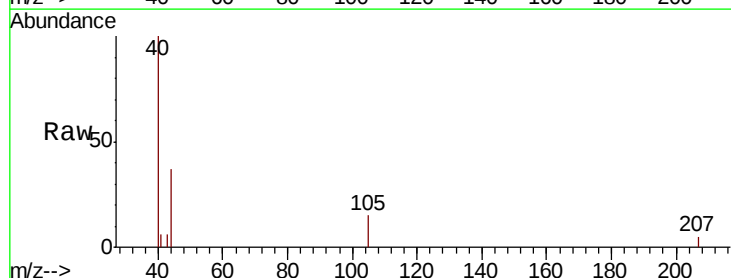
Acq: 3 May 2019 10:22

Tgt Ion:105 Resp: 648

Ion Ratio Lower Upper

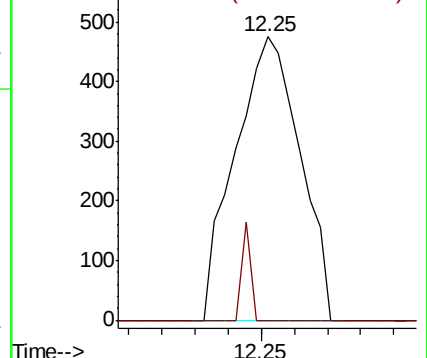
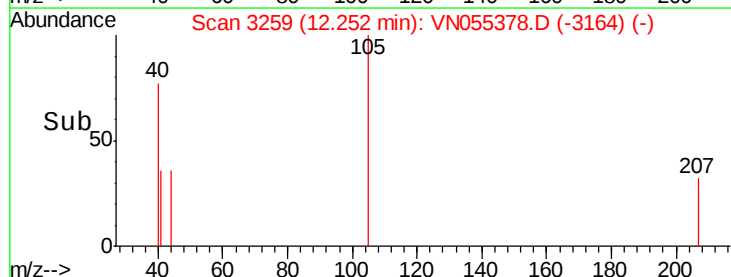
105 100

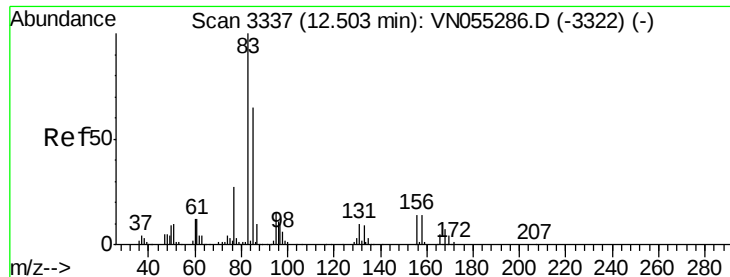
120 4.9 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.11 min

Lab File: VN055378.D

Acq: 3 May 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

VN0503WBL01

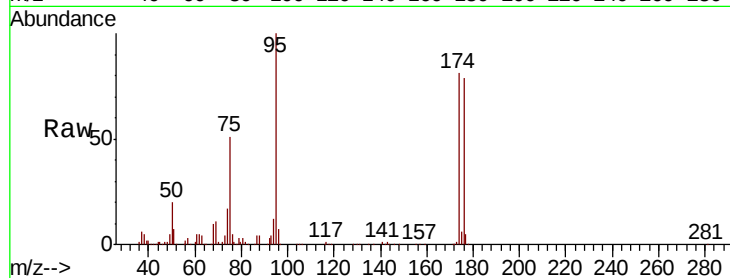
Tot Ion: 83 Resp: 99

Ion Ratio Lower Upper

83 100

131 210.1 5.1 15.2#

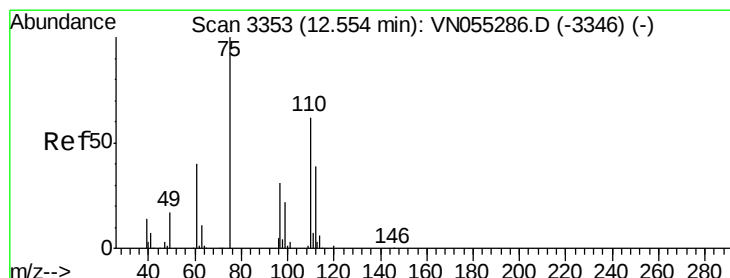
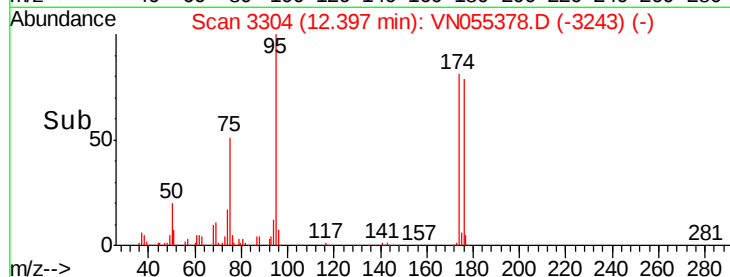
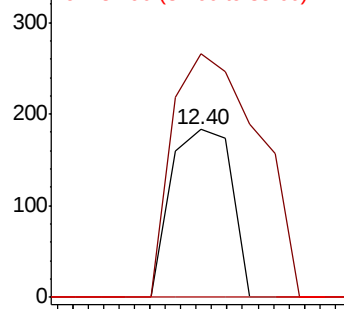
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 43.305 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055378.D

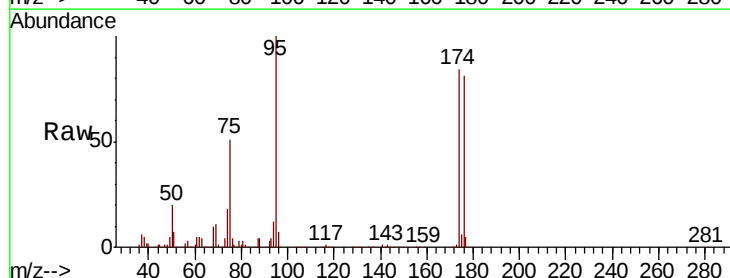
Acq: 3 May 2019 10:22

Tgt Ion: 75 Resp: 131467

Ion Ratio Lower Upper

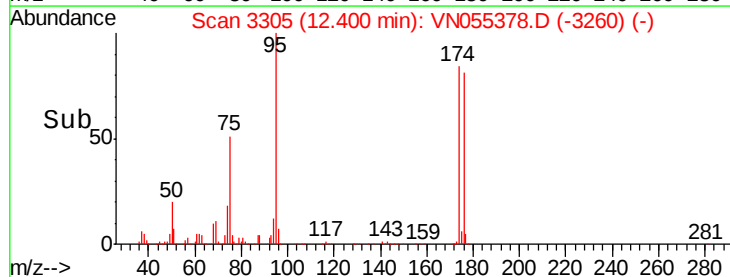
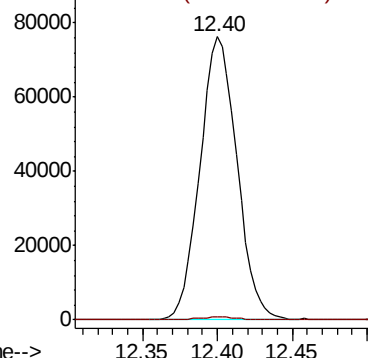
75 100

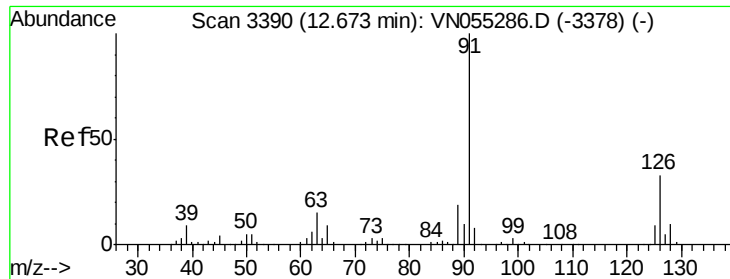
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

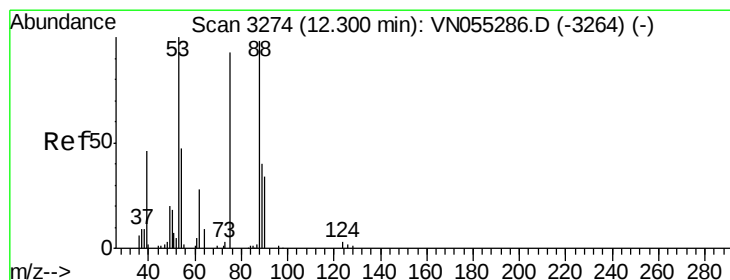
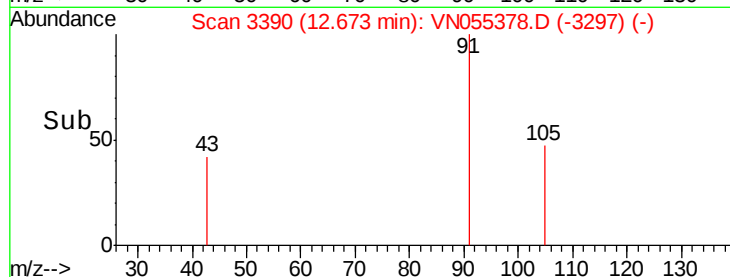
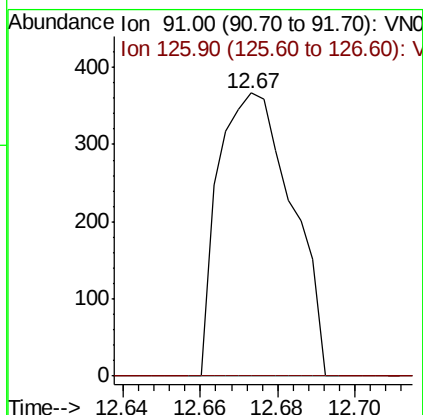
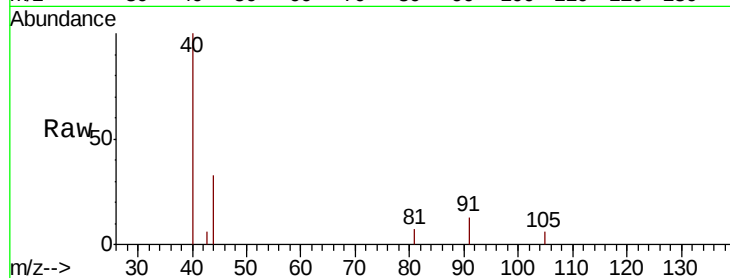




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055378.D
 Acq: 3 May 2019 10:22

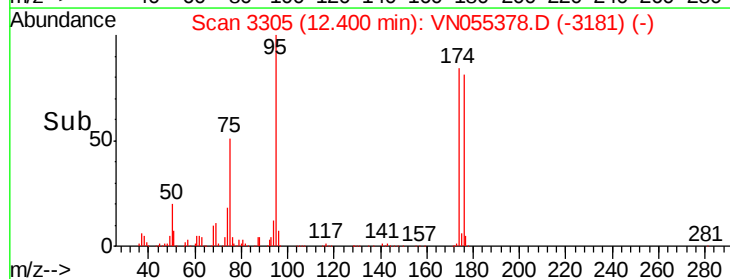
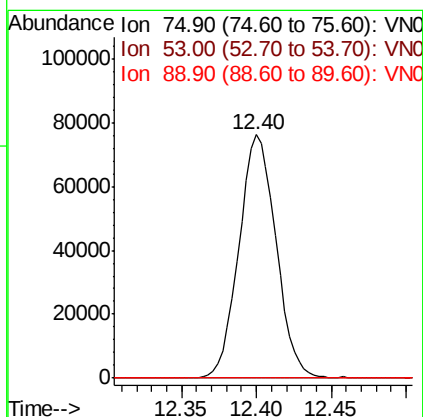
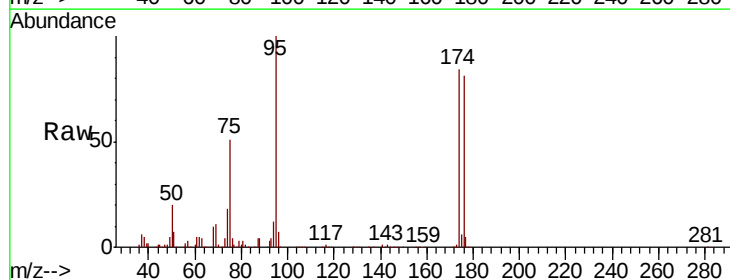
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBL01

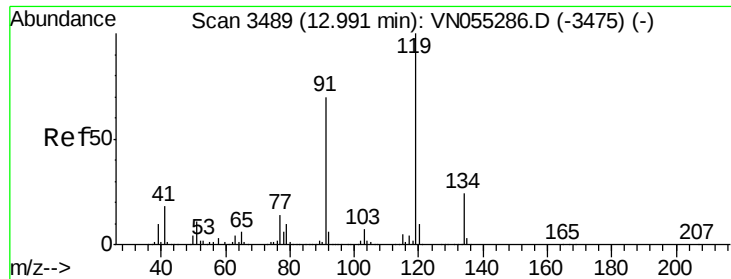
Tot Ion: 91 Resp: 484
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.728 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055378.D
 Acq: 3 May 2019 10:22

Tgt Ion: 75 Resp: 131467
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.3 129.5#
 89 0.0 34.6 51.8#





#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3491

Delta R.T. 0.01 min

Lab File: VN055378.D

Acq: 3 May 2019 10:22

Instrument :

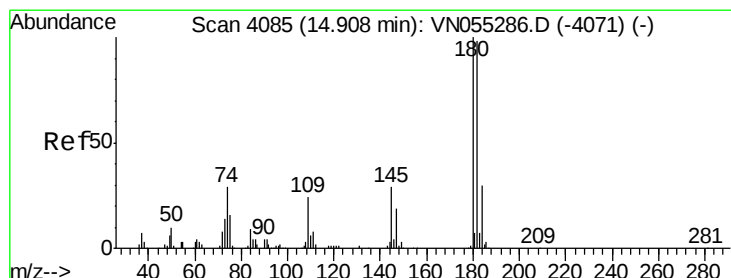
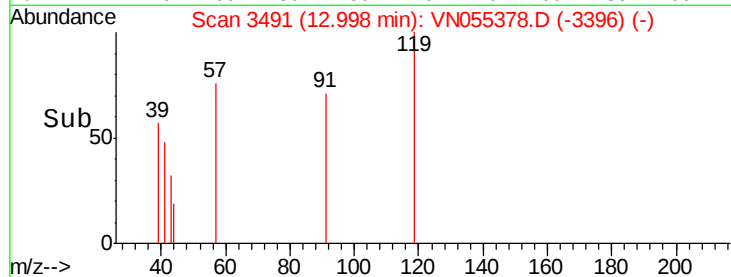
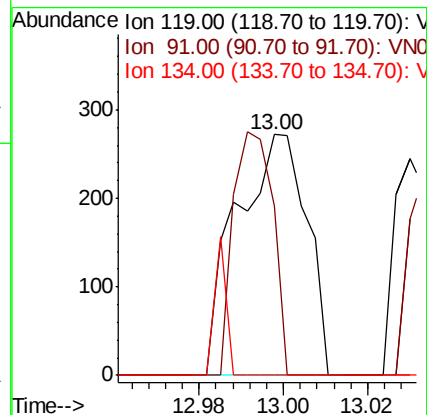
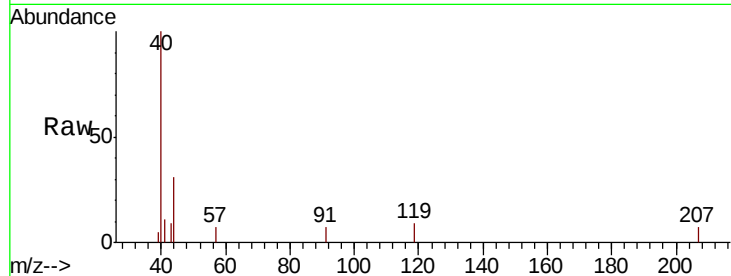
MSVOA_N

ClientSampleId :

VN0503WBL01

Tot Ion:119 Resp: 314

Ion	Ratio	Lower	Upper
119	100		
91	57.6	34.3	102.9
134	9.6	13.1	39.3#



#93

1,2,4-Trichlorobenzene

Concen: 3.380 ug/l

RT: 14.91 min Scan# 4085

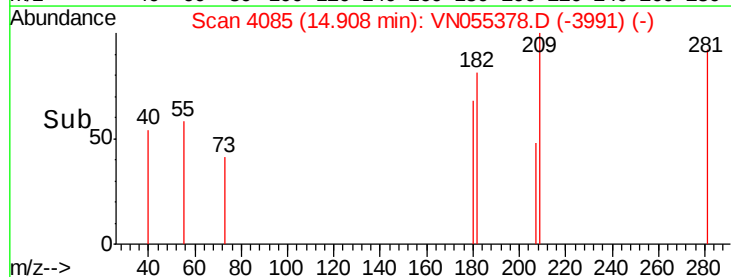
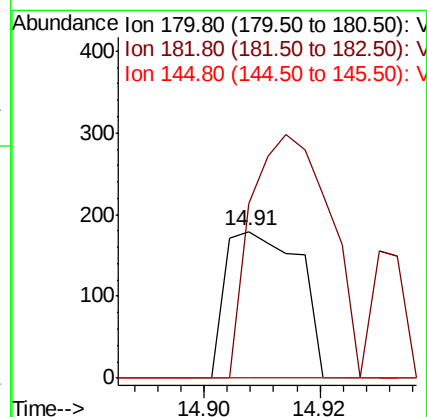
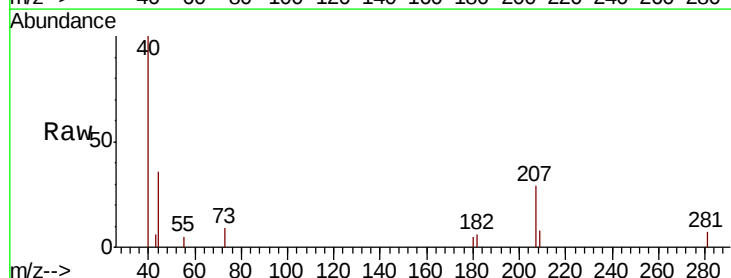
Delta R.T. 0.00 min

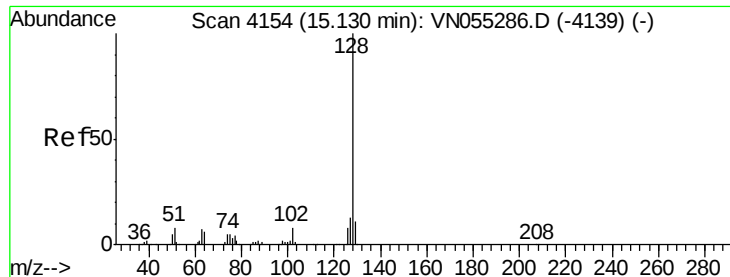
Lab File: VN055378.D

Acq: 3 May 2019 10:22

Tgt Ion:180 Resp: 158

Ion	Ratio	Lower	Upper
180	100		
182	176.6	48.3	144.9#
145	0.0	14.2	42.6#





#95

Naphthalene

Concen: 3.508 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN055378.D

Acq: 3 May 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

VN0503WBL01

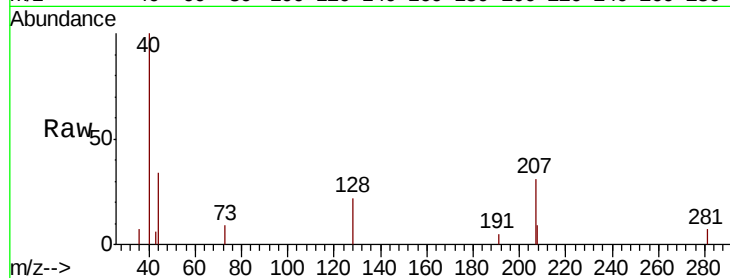
Tot Ion:128 Resp: 868

Ion Ratio Lower Upper

128 100

127 7.9 10.7 16.1#

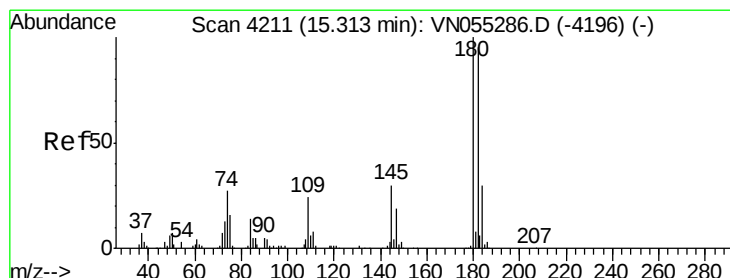
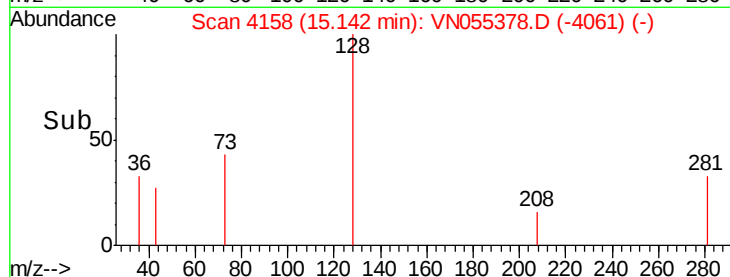
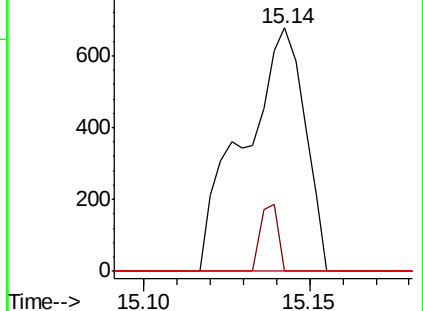
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.790 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN055378.D

Acq: 3 May 2019 10:22

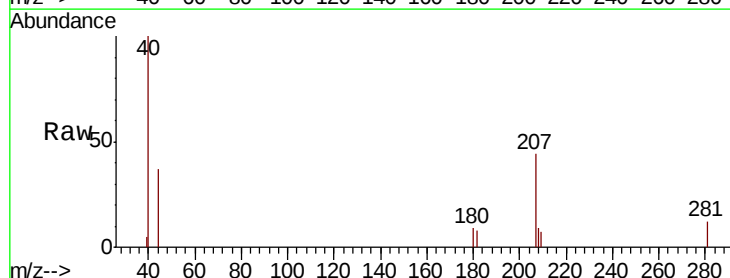
Tgt Ion:180 Resp: 390

Ion Ratio Lower Upper

180 100

182 129.7 48.3 144.9

145 0.0 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

