

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055456.D
 Acq On : 7 May 2019 23:54
 Operator : JC/SP
 Sample : K2717-04
 Misc : 5.47g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS001-1218-01

Quant Time: May 08 05:55:02 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	436597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	684985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	544508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	190445	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	284792	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
35) Dibromofluoromethane	7.59	113	212735	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	10.09	98	786465	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.40	95	244322	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	

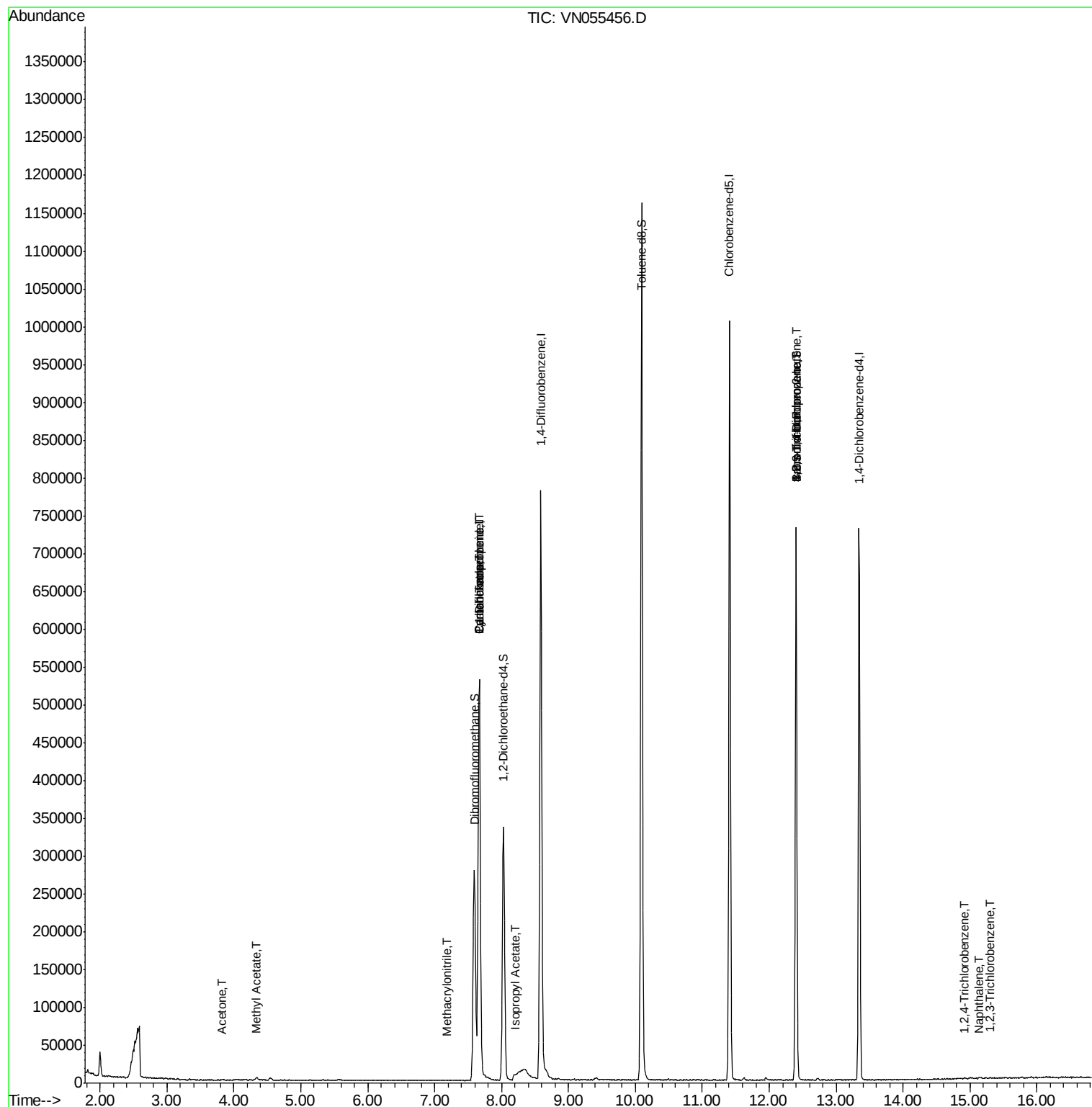
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	589	0.331	ug/l #	45
18) Methyl Acetate	4.34	43	7395	0.684	ug/l	98
31) Cyclohexane	7.66	56	10317	1.148	ug/l #	8
36) 1,1-Dichloropropene	7.66	75	33068	5.040	ug/l #	50
38) Carbon Tetrachloride	7.67	117	42157	6.661	ug/l #	15
41) Methacrylonitrile	7.18	41	60	0.762	ug/l #	25
43) Isopropyl Acetate	8.19	43	7064	0.874	ug/l #	56
71) Bromoform	12.40	173	977	0.422	ug/l #	1
73) Isopropylbenzene	12.40	105	195	Below Cal	#	49
76) 1,2,3-Trichloropropane	12.40	75	128048	35.440	ug/l #	100
79) 2-Chlorotoluene	12.67	91	64	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	128048	127.417	ug/l #	7
83) tert-Butylbenzene	12.99	119	135	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	14.90	180	139	3.363	ug/l #	64
95) Naphthalene	15.14	128	539	3.423	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	220	2.698	ug/l #	36

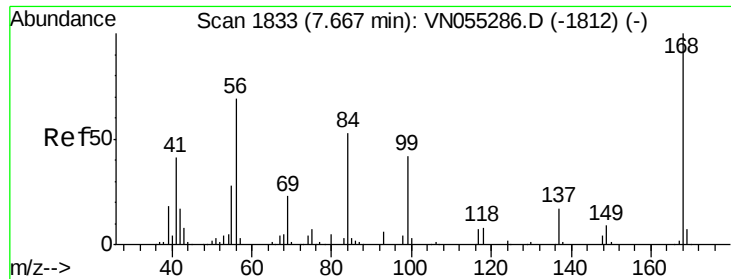
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055456.D

Acq: 7 May 2019 23:54

Instrument :

MSVOA_N

ClientSampleId :

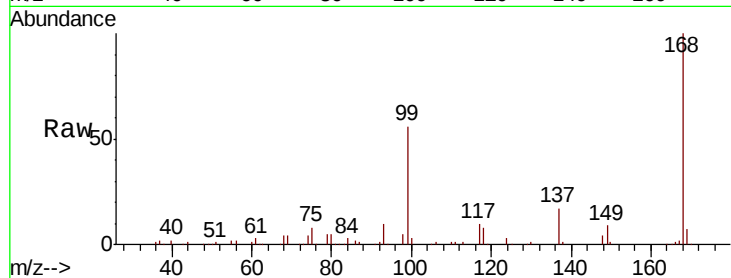
P026-SS001-1218-01

Tot Ion:168 Resp: 436597

Ion Ratio Lower Upper

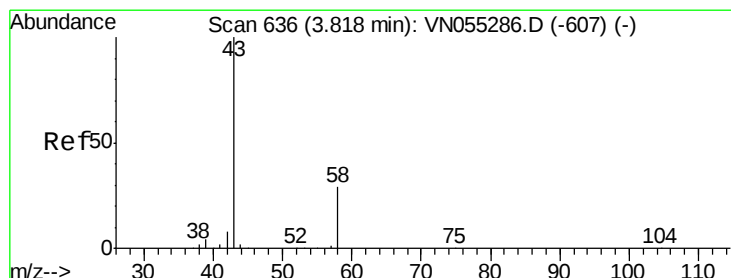
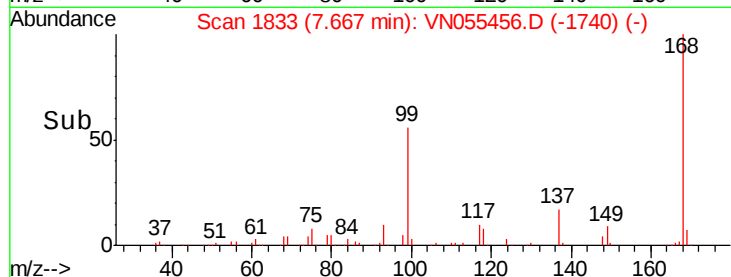
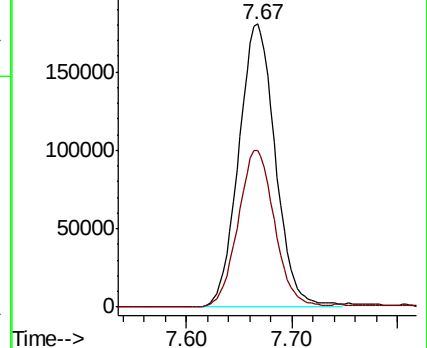
168 100

99 55.5 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055456.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055456.D (-1740) (-)



#16

Acetone

Concen: 0.331 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055456.D

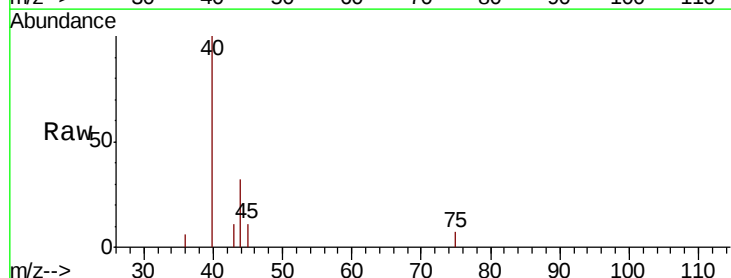
Acq: 7 May 2019 23:54

Tgt Ion: 43 Resp: 589

Ion Ratio Lower Upper

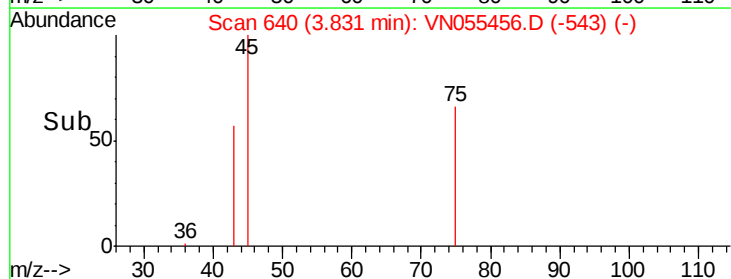
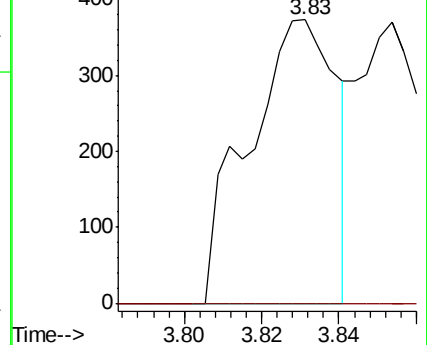
43 100

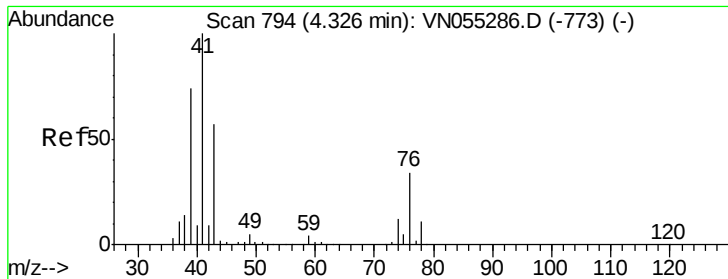
58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN055456.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055456.D (-543) (-)

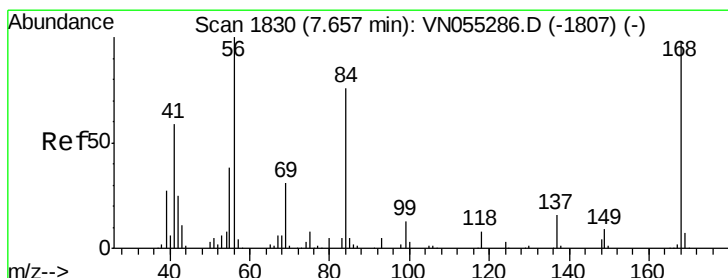
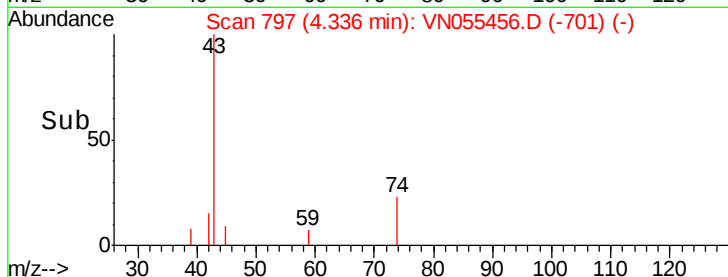
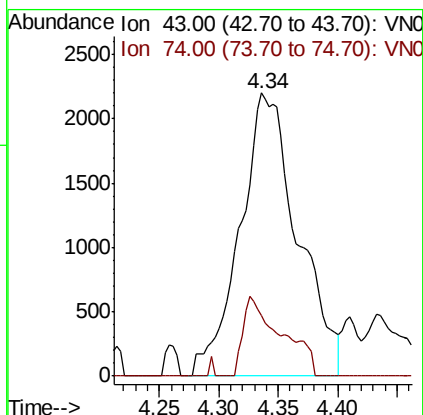
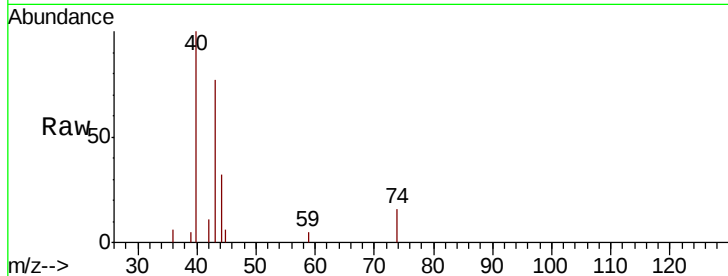




#18
Methyl Acetate
Concen: 0.684 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055456.D
Acq: 7 May 2019 23:54

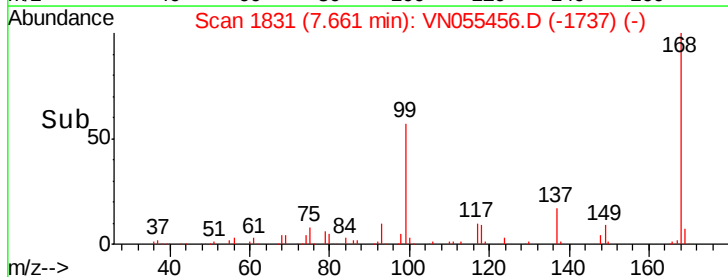
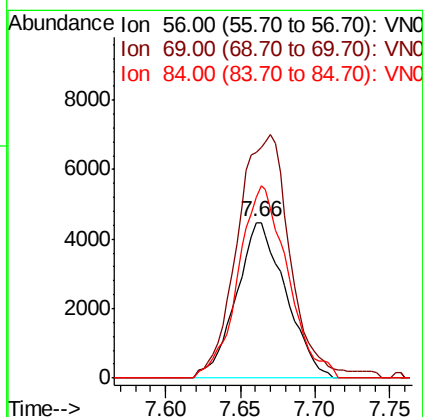
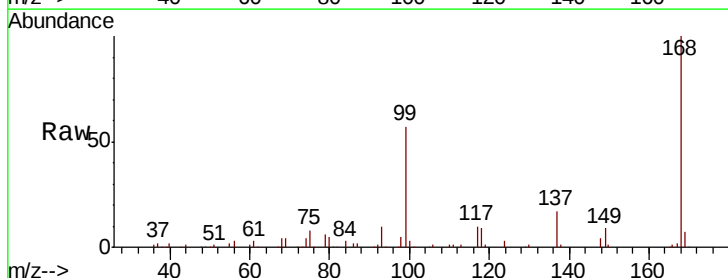
Instrument :
MSVOA_N
ClientSampleId :
P026-SS001-1218-01

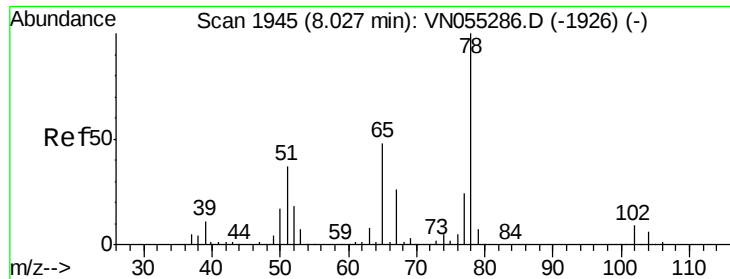
Tot Ion: 43 Resp: 7395
Ion Ratio Lower Upper
43 100
74 18.7 15.8 23.8



#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN055456.D
Acq: 7 May 2019 23:54

Tgt Ion: 56 Resp: 10317
Ion Ratio Lower Upper
56 100
69 145.1 25.2 37.8#
84 115.7 61.1 91.7#

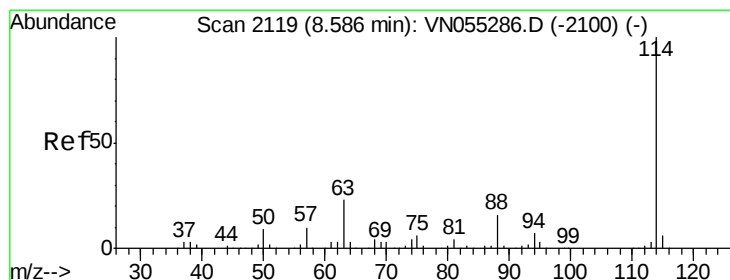
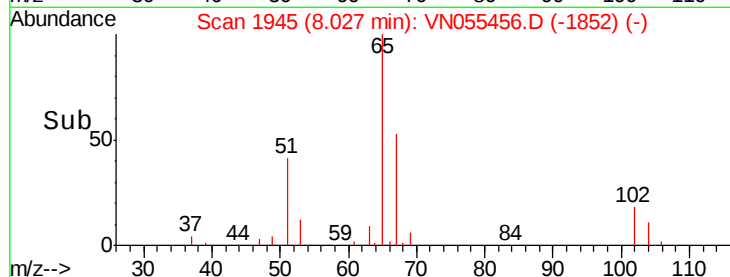
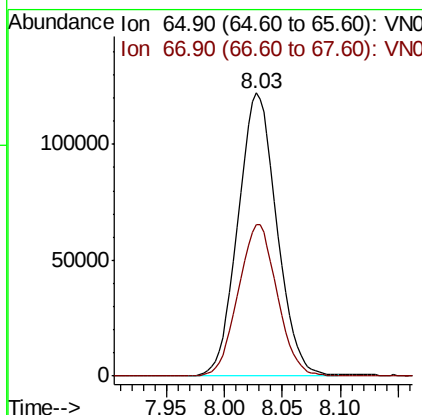
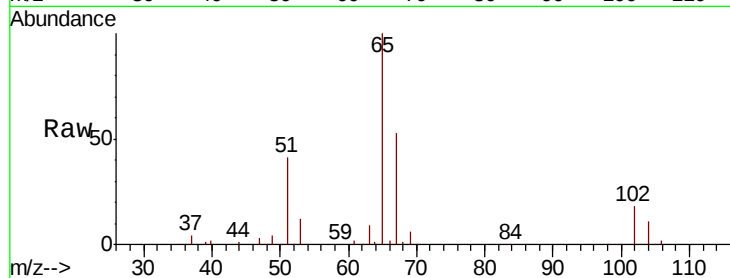




#33
 1,2-Dichloroethane-d4
 Concen: 49.861 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055456.D
 Acq: 7 May 2019 23:54

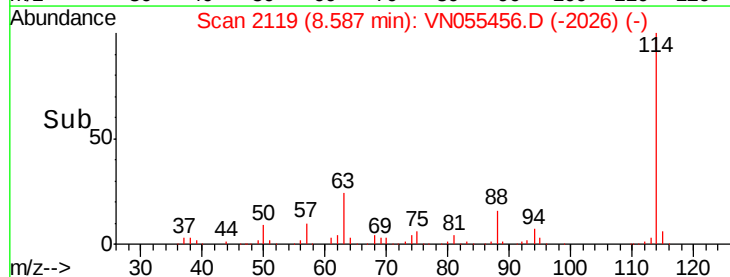
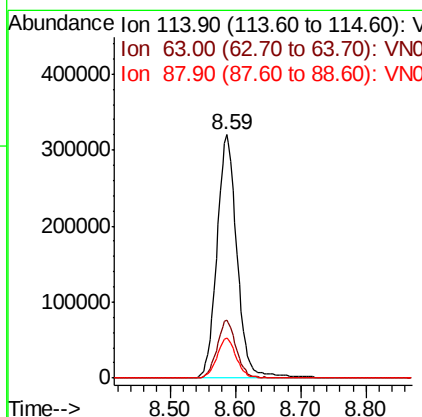
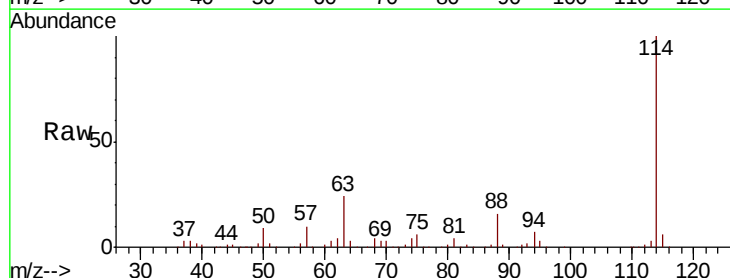
Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS001-1218-01

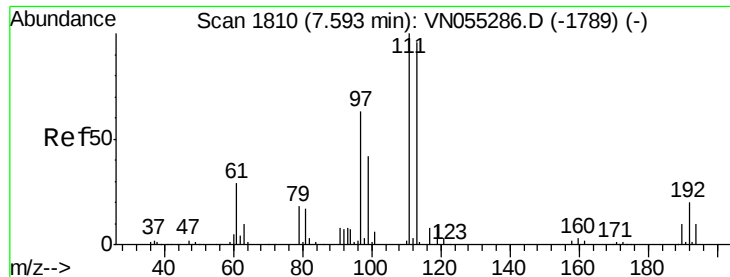
Tot Ion: 65 Resp: 284792
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055456.D
 Acq: 7 May 2019 23:54

Tgt Ion: 114 Resp: 684985
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 45.2
 88 16.3 0.0 31.6

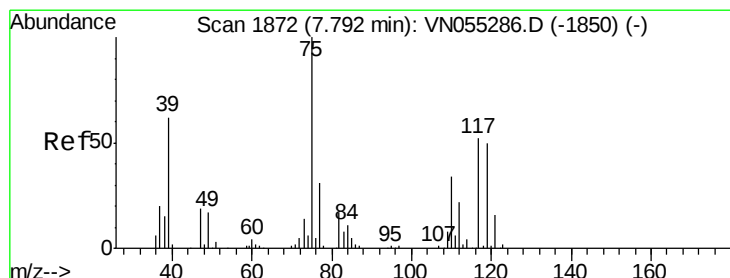
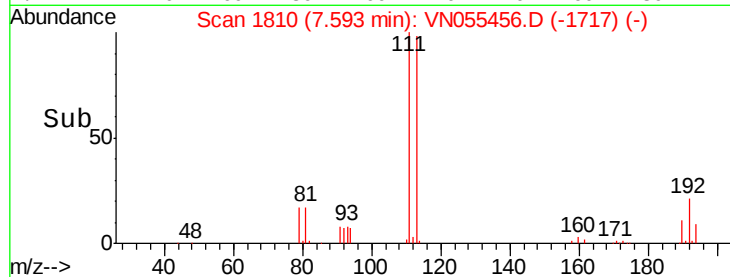
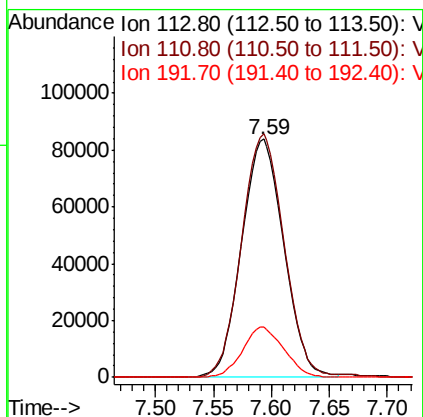
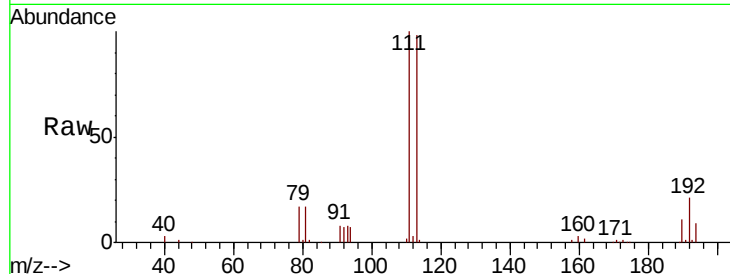




#35
 Dibromofluoromethane
 Concen: 47.316 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055456.D
 Acq: 7 May 2019 23:54

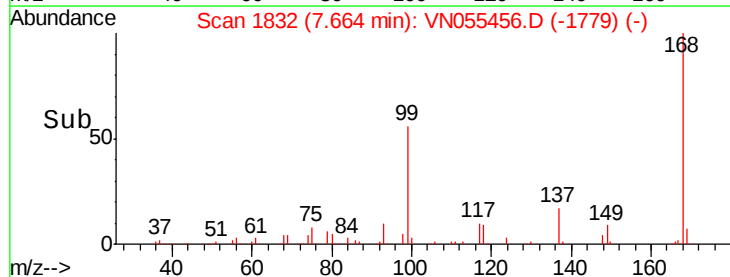
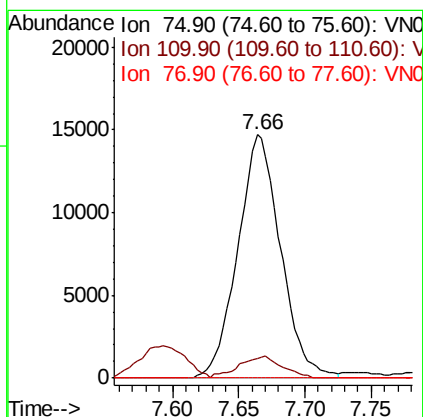
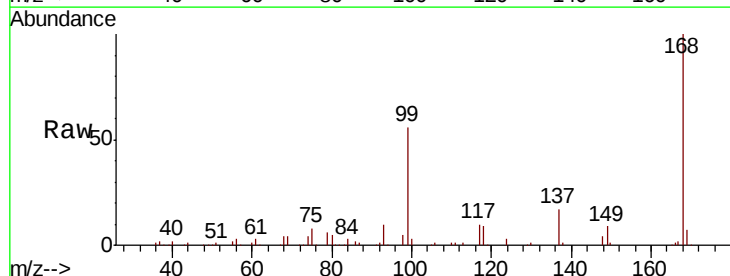
Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS001-1218-01

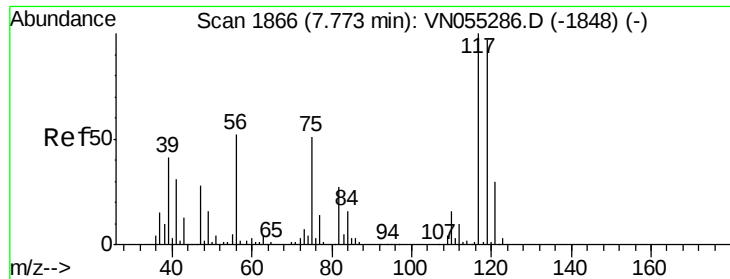
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.3	123.5
192	20.8	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 5.040 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055456.D
 Acq: 7 May 2019 23:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.8	50.4#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.661 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055456.D

Acq: 7 May 2019 23:54

Instrument :

MSVOA_N

ClientSampleId :

P026-SS001-1218-01

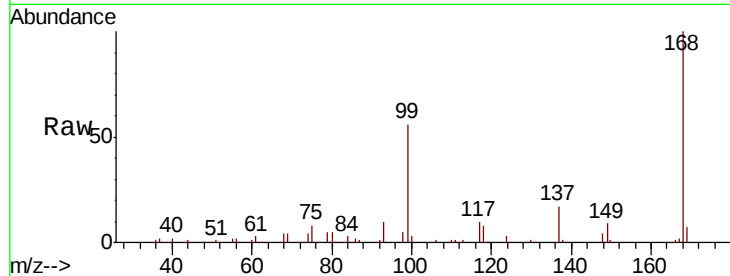
Tot Ion:117 Resp: 42157

Ion Ratio Lower Upper

117 100

119 4.6 77.0 115.6#

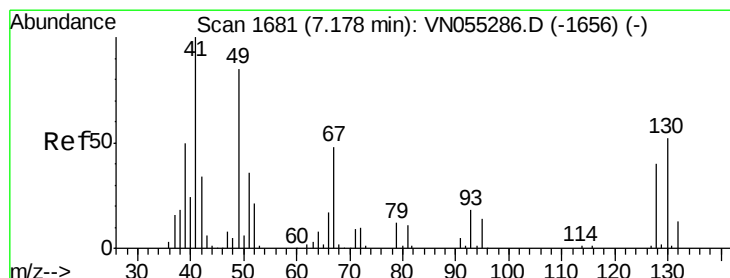
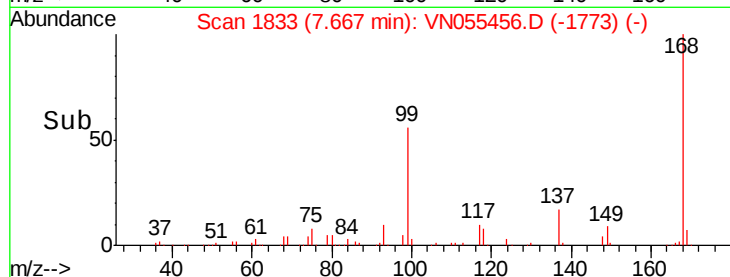
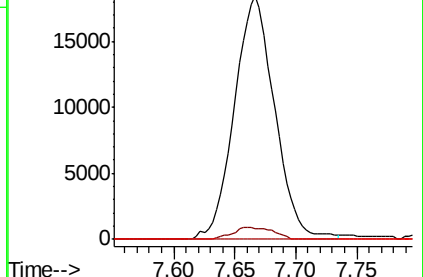
121 0.0 23.8 35.8#



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: 0.762 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN055456.D

Acq: 7 May 2019 23:54

Tgt Ion: 41 Resp: 60

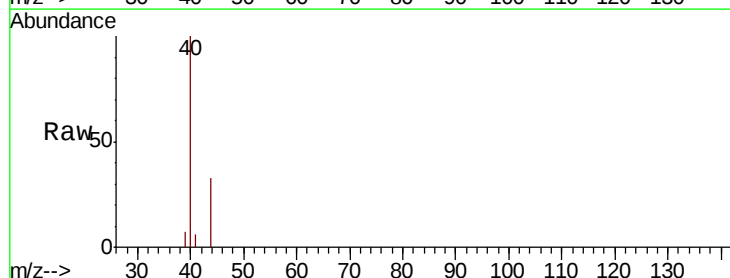
Ion Ratio Lower Upper

41 100

39 116.7 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

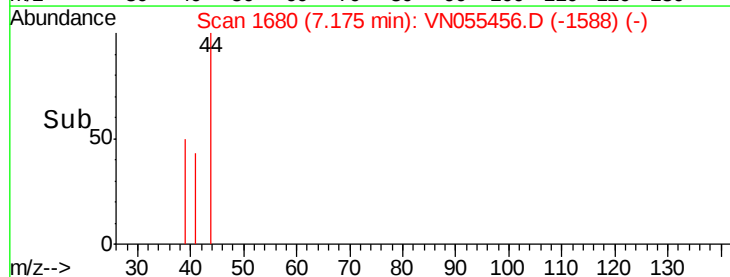
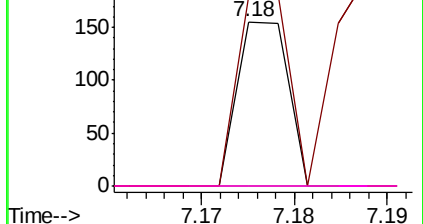


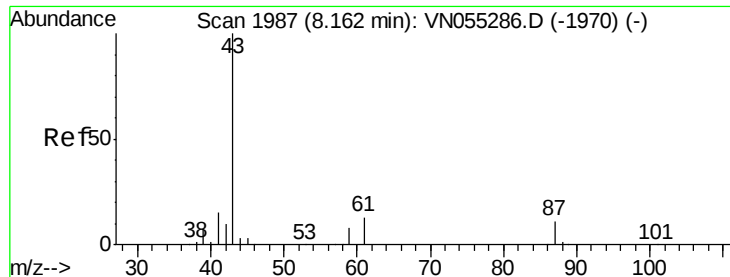
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 0.874 ug/l

RT: 8.19 min Scan# 1996

Delta R.T. 0.03 min

Lab File: VN055456.D

Acq: 7 May 2019 23:54

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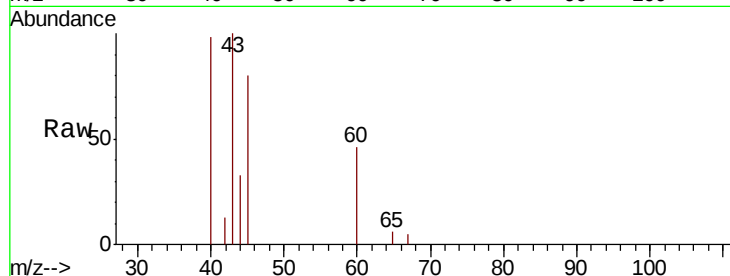
Tot Ion: 43 Resp: 7064

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

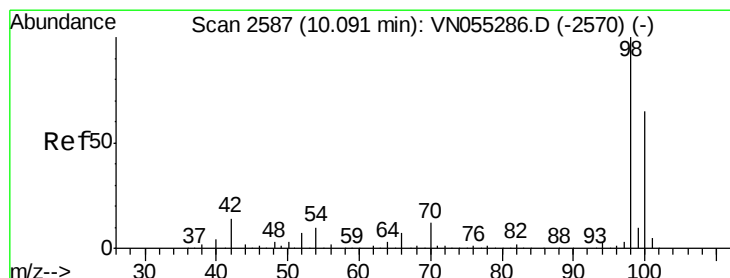
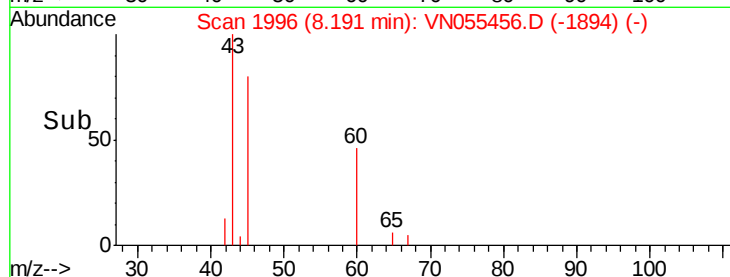
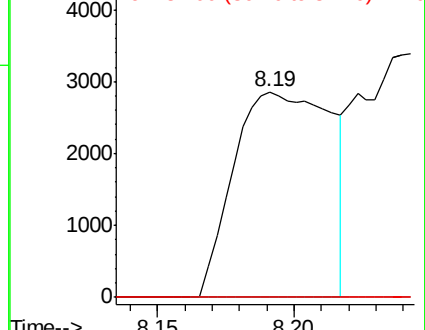
87 0.0 8.5 12.7#



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: 48.444 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055456.D

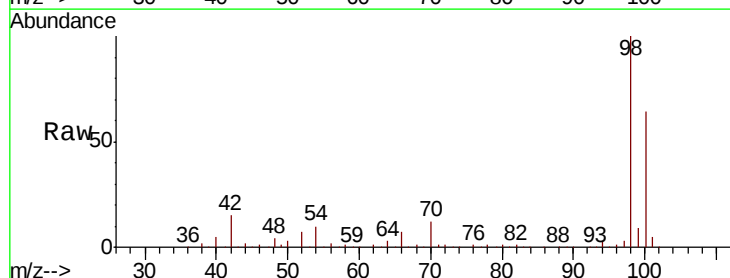
Acq: 7 May 2019 23:54

Tgt Ion: 98 Resp: 786465

Ion Ratio Lower Upper

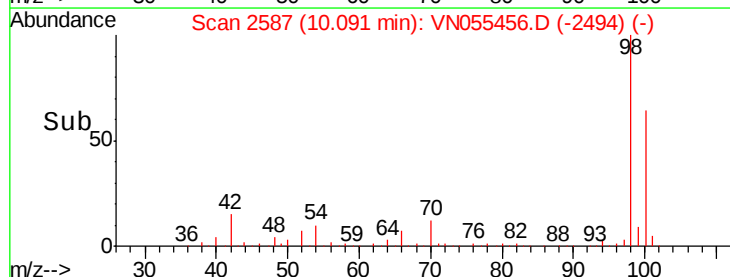
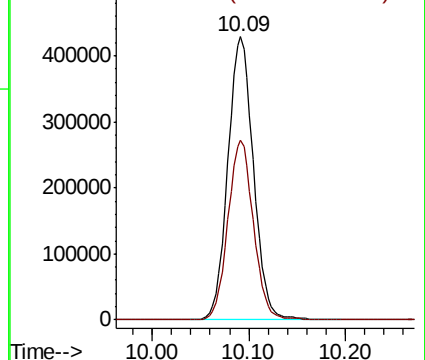
98 100

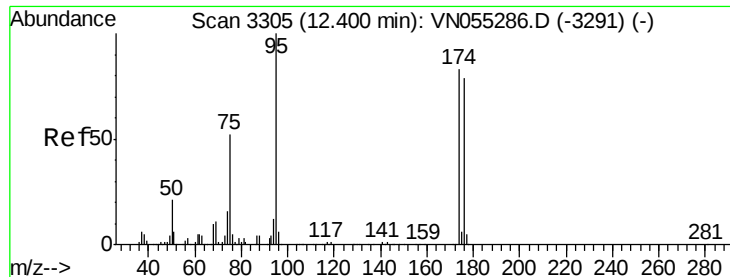
100 63.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 48.153 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055456.D

Acq: 7 May 2019 23:54

Instrument :

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ClientSampleId :

P026-SS001-1218-01

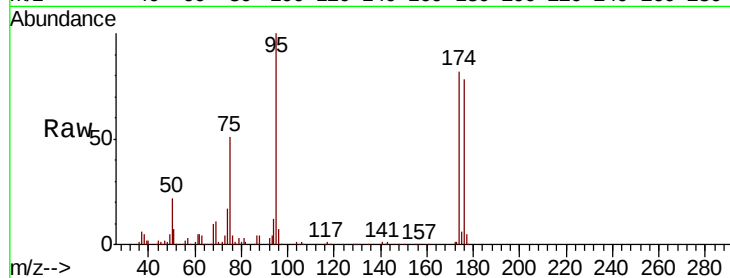
Tot Ion: 95 Resp: 244322

Ion Ratio Lower Upper

95 100

174 82.6 0.0 166.6

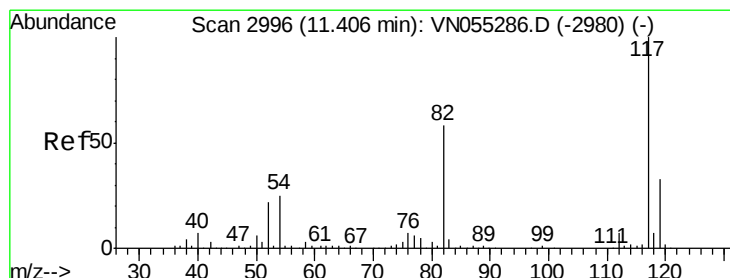
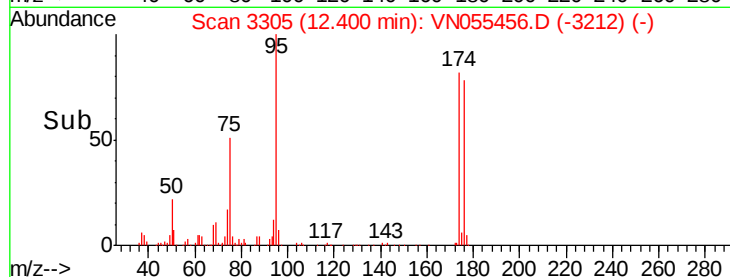
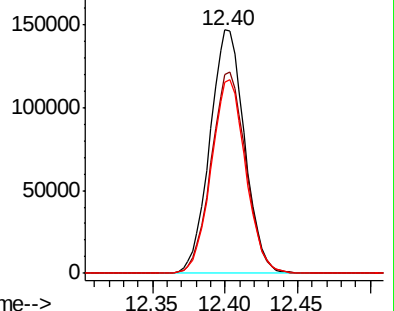
176 79.1 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055456.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN055456.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN055456.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055456.D

Acq: 7 May 2019 23:54

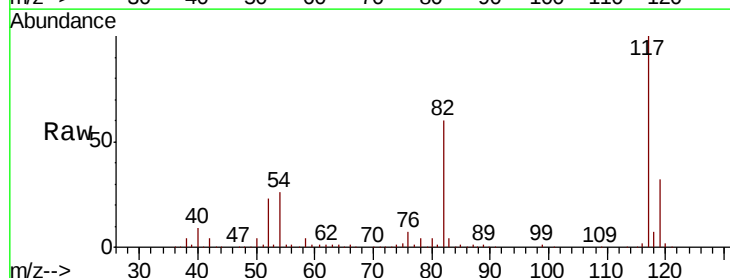
Tgt Ion: 117 Resp: 544508

Ion Ratio Lower Upper

117 100

82 60.2 46.2 69.4

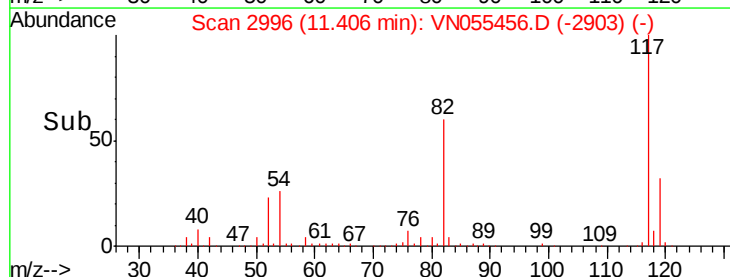
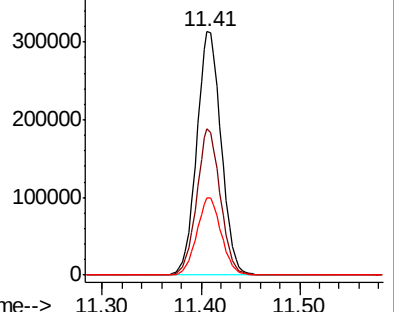
119 31.8 26.6 40.0

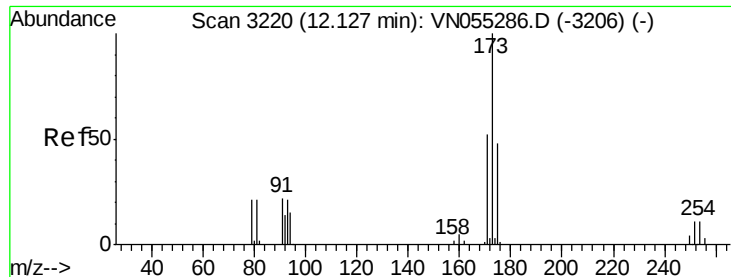


Abundance Ion 116.90 (116.60 to 117.60): VN055456.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055456.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055456.D (-2903) (-)





#71

Bromoform

Concen: 0.422 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055456.D

Acq: 7 May 2019 23:54

Instrument :

MSVOA_N

ClientSampleId :

P026-SS001-1218-01

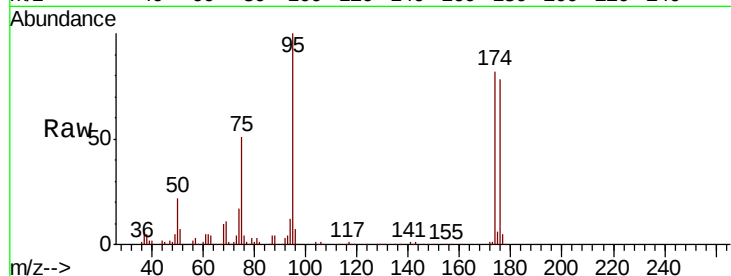
Tot Ion:173 Resp: 977

Ion Ratio Lower Upper

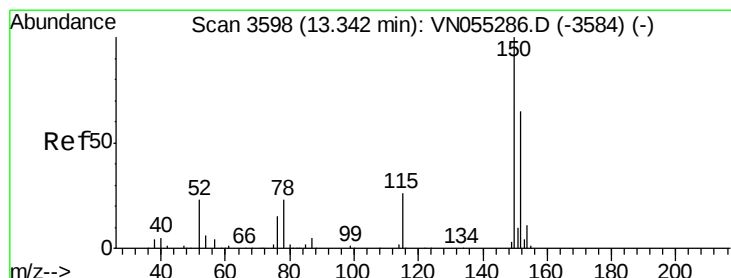
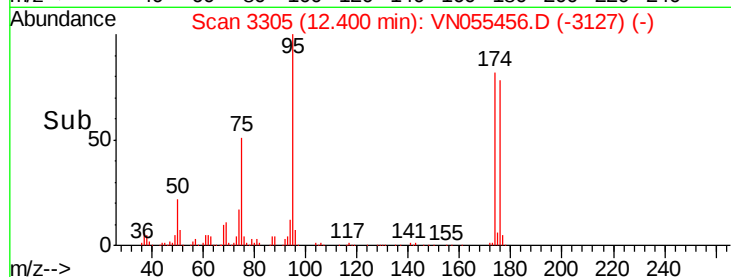
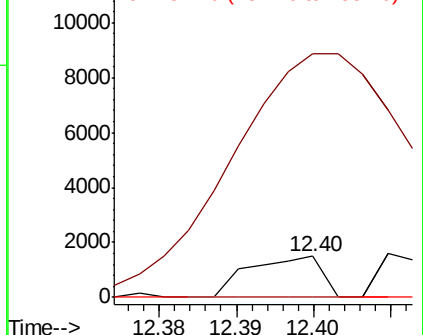
173 100

175 1345.6 23.6 71.0#

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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055456.D

Acq: 7 May 2019 23:54

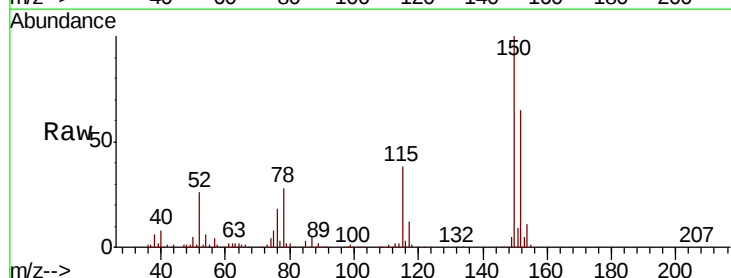
Tgt Ion:152 Resp: 190445

Ion Ratio Lower Upper

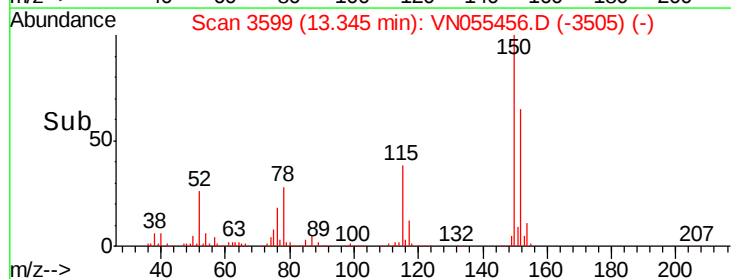
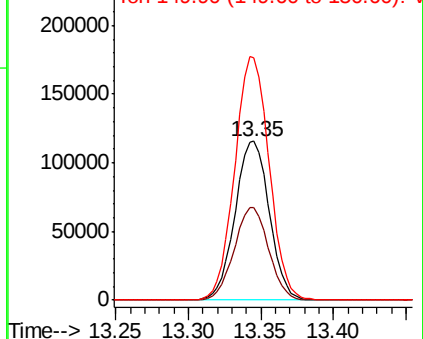
152 100

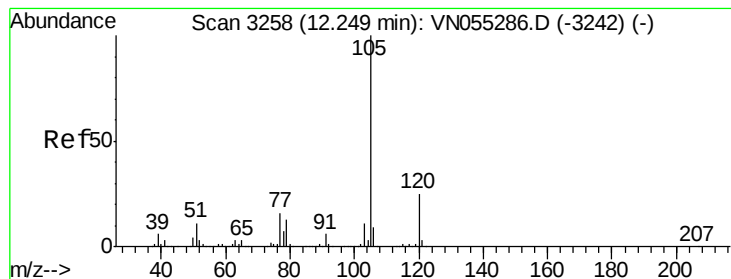
115 58.5 29.0 87.0

150 154.0 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: 12.40 min Scan# 3305

Delta R.T. 0.15 min

Lab File: VN055456.D

Acq: 7 May 2019 23:54

Instrument :

MSVOA_N

ClientSampleId :

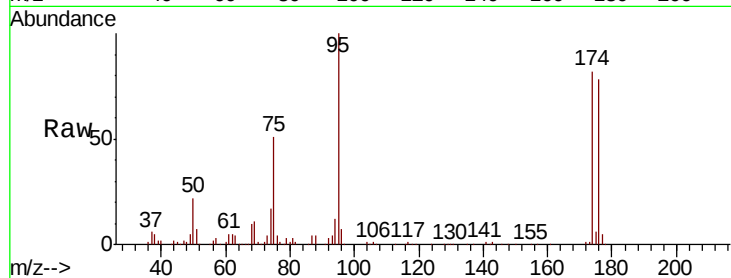
P026-SS001-1218-01

Tot Ion: 105 Resp: 195

Ion Ratio Lower Upper

105 100

120 0.0 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.40

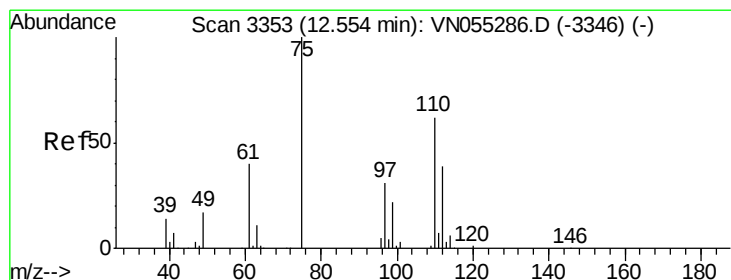
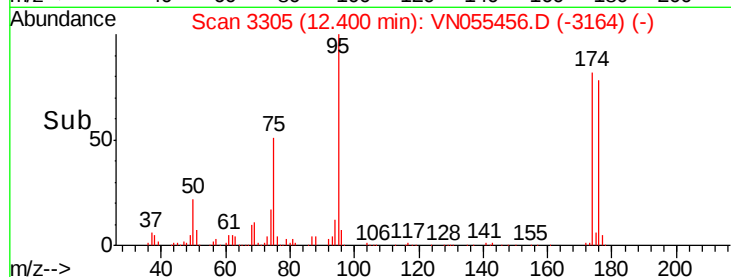
300

200

100

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 35.440 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055456.D

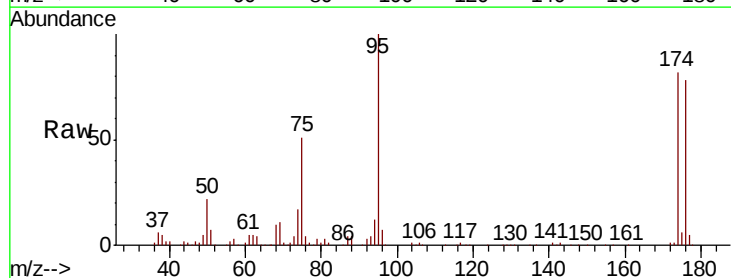
Acq: 7 May 2019 23:54

Tgt Ion: 75 Resp: 128048

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

12.40

80000

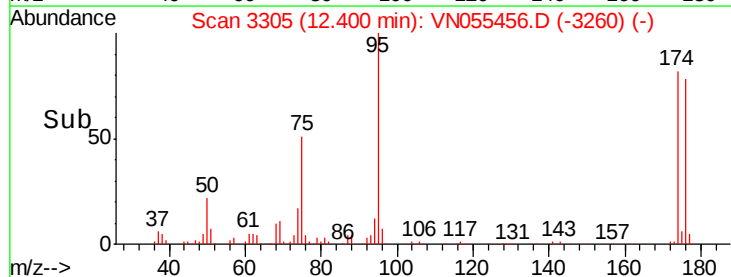
60000

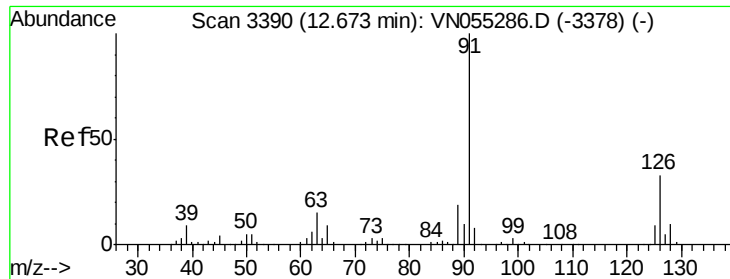
40000

20000

0

Time-->

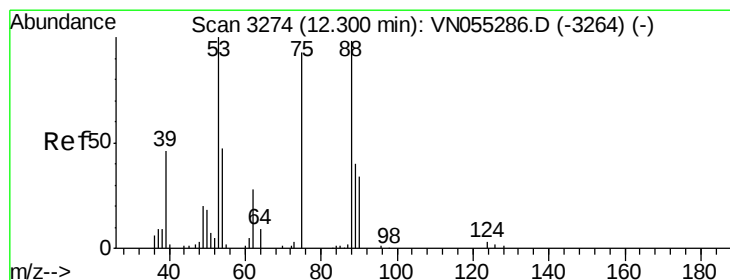
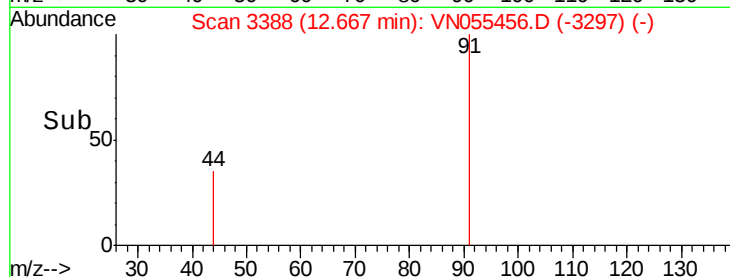
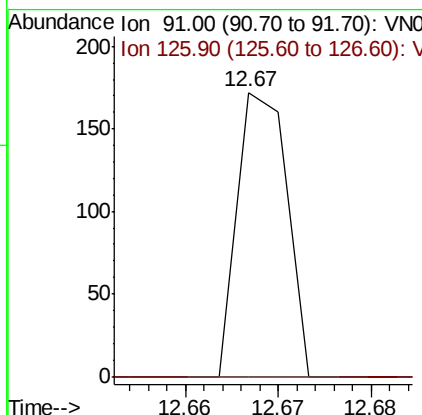
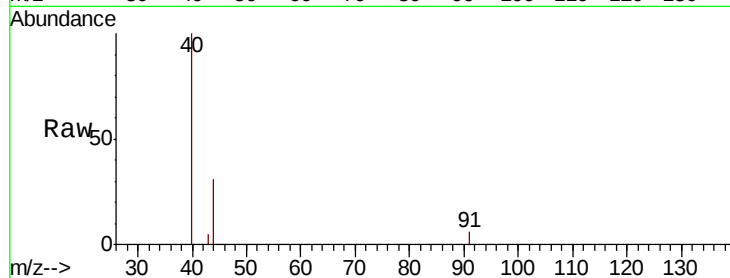




#79
2-Chlorotoluene
Concen: Below Cal
RT: 12.67 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VN055456.D
Acq: 7 May 2019 23:54

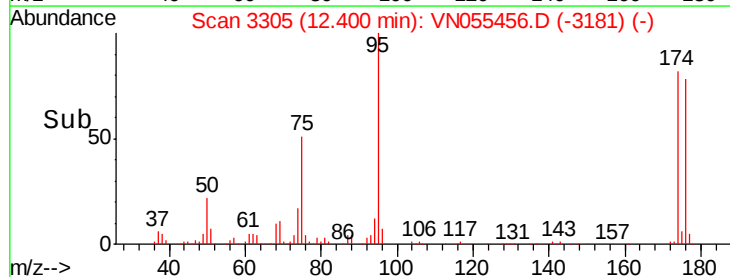
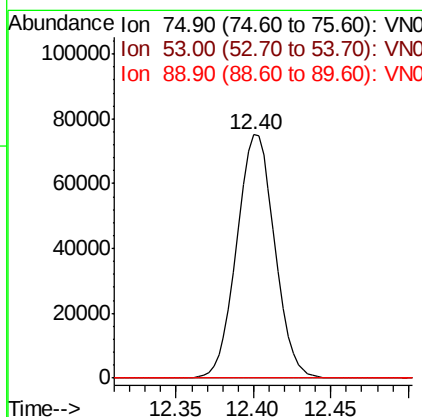
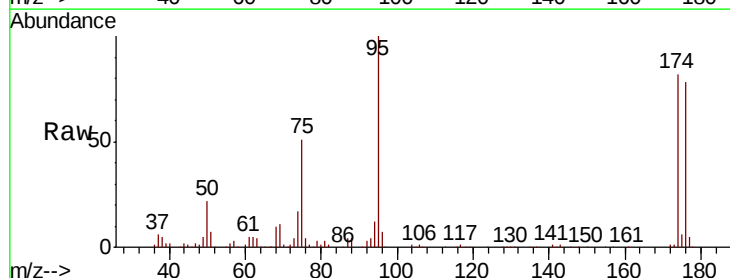
Instrument :
MSVOA_N
ClientSampleId :
P026-SS001-1218-01

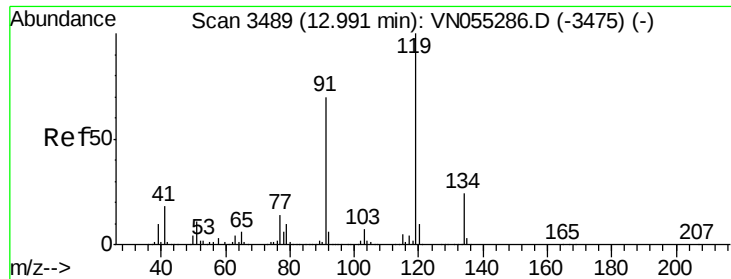
Tot Ion: 91 Resp: 64
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.417 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN055456.D
Acq: 7 May 2019 23:54

Tgt Ion: 75 Resp: 128048
Ion Ratio Lower Upper
75 100
53 0.0 86.3 129.5#
89 0.0 34.6 51.8#

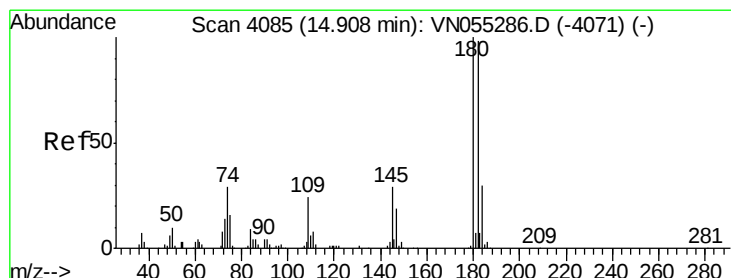
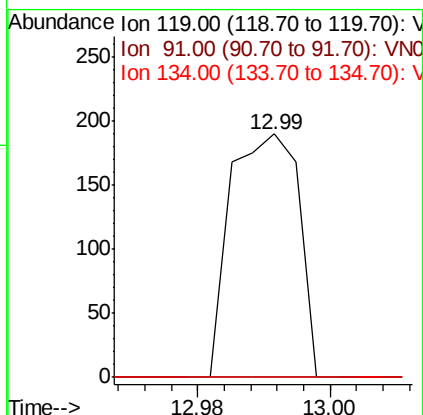
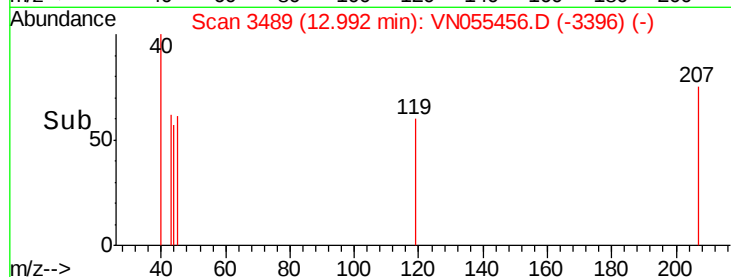
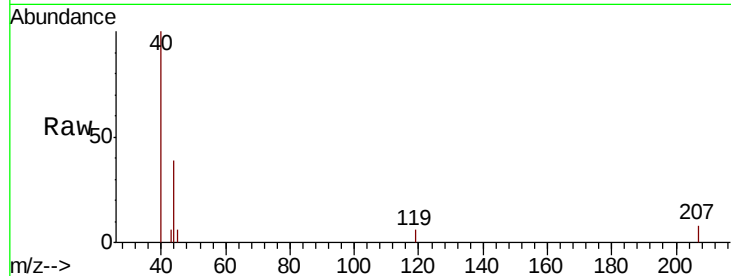




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055456.D
Acq: 7 May 2019 23:54

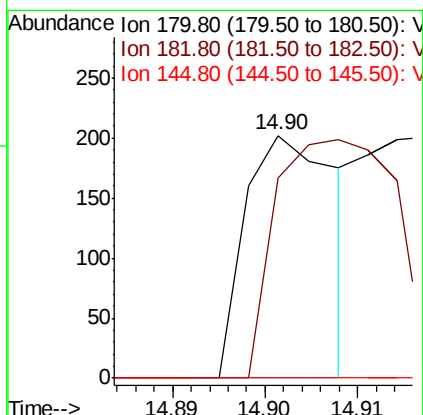
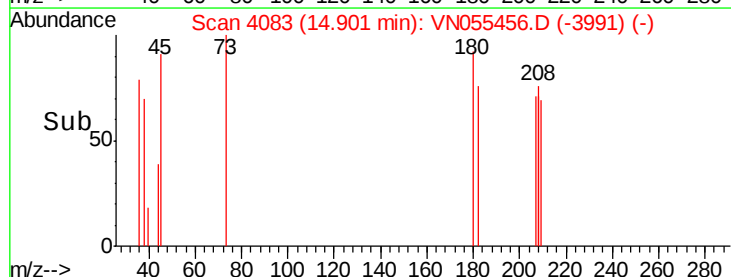
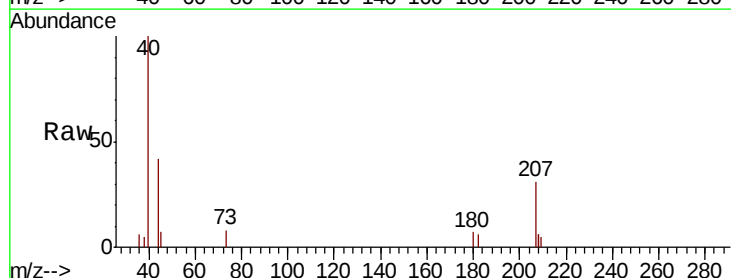
Instrument :
MSVOA_N
ClientSampleId :
P026-SS001-1218-01

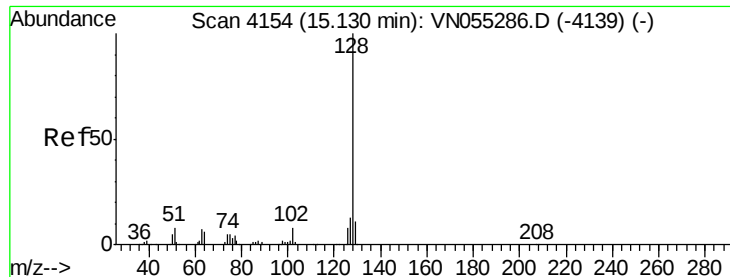
Tot Ion:119 Resp: 135
Ion Ratio Lower Upper
119 100
91 0.0 34.3 102.9#
134 0.0 13.1 39.3#



#93
1,2,4-Trichlorobenzene
Concen: 3.363 ug/l
RT: 14.90 min Scan# 4083
Delta R.T. -0.01 min
Lab File: VN055456.D
Acq: 7 May 2019 23:54

Tgt Ion:180 Resp: 139
Ion Ratio Lower Upper
180 100
182 127.3 48.3 144.9
145 0.0 14.2 42.6#





#95

Naphthalene

Concen: 3.423 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055456.D

Acq: 7 May 2019 23:54

Instrument :

MSVOA_N

ClientSampleId :

P026-SS001-1218-01

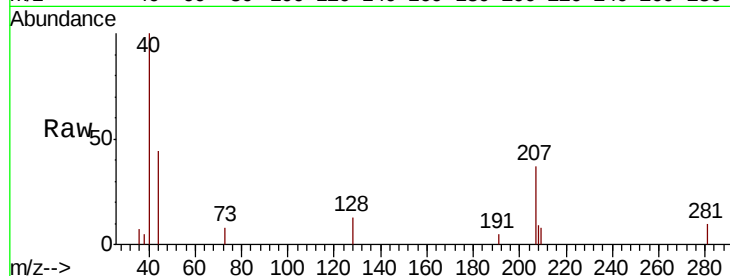
Tot Ion:128 Resp: 539

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

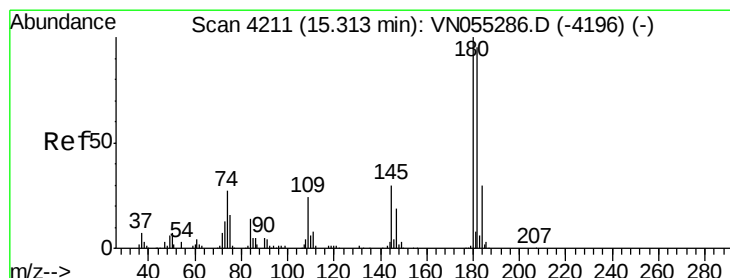
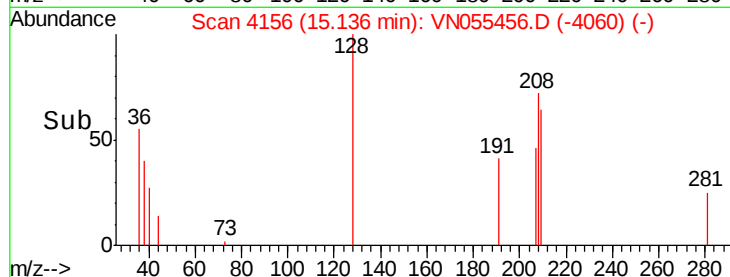
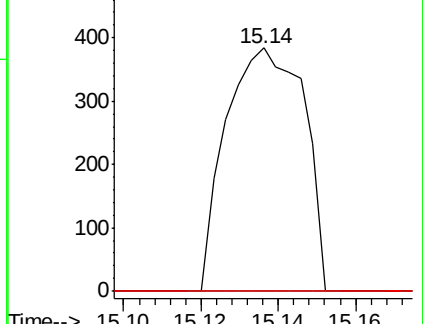
129 0.0 8.6 13.0#



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: 2.698 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055456.D

Acq: 7 May 2019 23:54

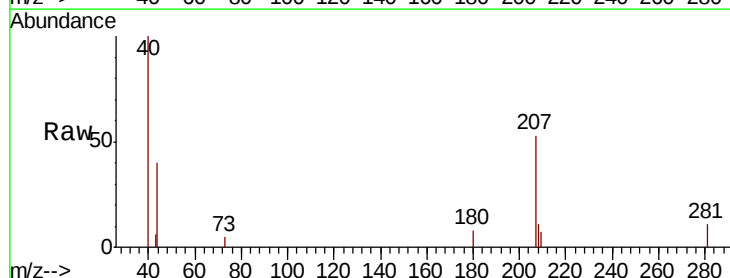
Tgt Ion:180 Resp: 220

Ion Ratio Lower Upper

180 100

182 31.4 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

