

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055469.D
 Acq On : 8 May 2019 5:21
 Operator : JC/SP
 Sample : K2717-19
 Misc : 4.83g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS004-0002-01

Quant Time: May 08 05:57:59 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	424139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	651282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	172709	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	281424	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
35) Dibromofluoromethane	7.59	113	209822	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	10.09	98	789724	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.40	95	234277	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

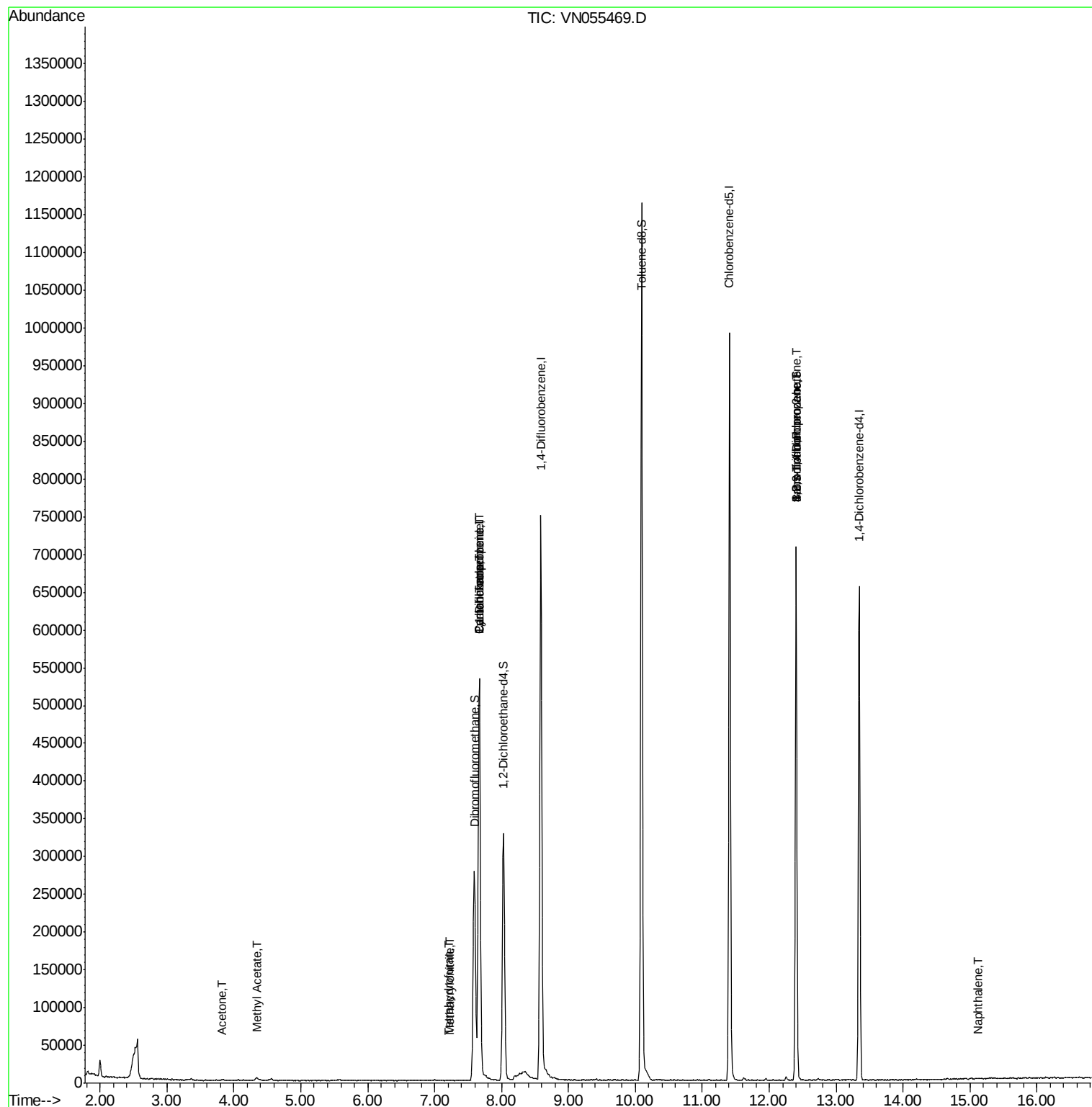
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	688	0.398	ug/l #	45
18) Methyl Acetate	4.34	43	6648	0.554	ug/l #	85
29) Tetrahydrofuran	7.22	42	306	0.216	ug/l #	40
31) Cyclohexane	7.67	56	9933	1.138	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	34638	5.552	ug/l #	44
38) Carbon Tetrachloride	7.67	117	41137	6.836	ug/l #	15
41) Methacrylonitrile	7.23	41	181	0.809	ug/l #	23
71) Bromoform	12.40	173	1326	0.572	ug/l #	1
73) Isopropylbenzene	12.25	105	314	Below Cal	#	49
76) 1,2,3-Trichloropropane	12.40	75	124480	38.181	ug/l #	100
79) 2-Chlorotoluene	12.59	91	76	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	124480	136.587	ug/l #	7
90) Hexachloroethane	13.99	117	34	Below Cal	#	7
95) Naphthalene	15.13	128	121	3.352	ug/l #	69

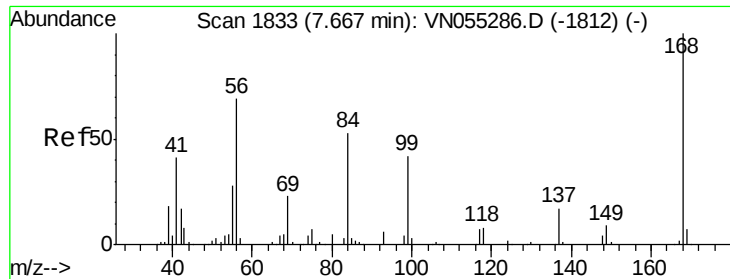
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055469.D

Acq: 8 May 2019 5:21

Instrument :

MSVOA_N

ClientSampleId :

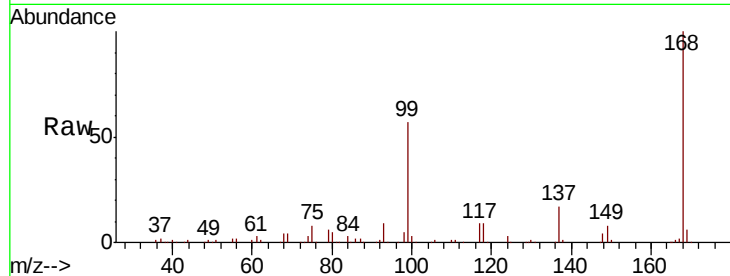
P026-SS004-0002-01

Tot Ion:168 Resp: 424139

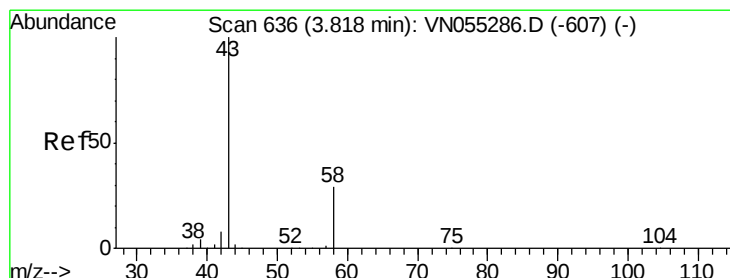
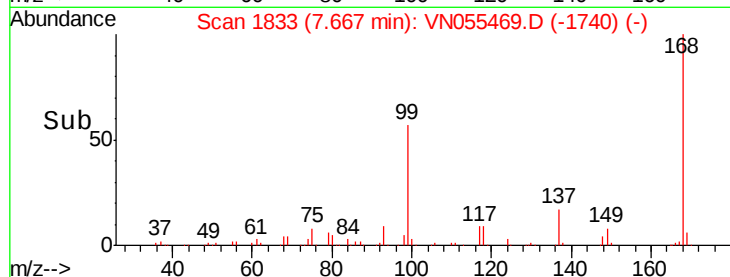
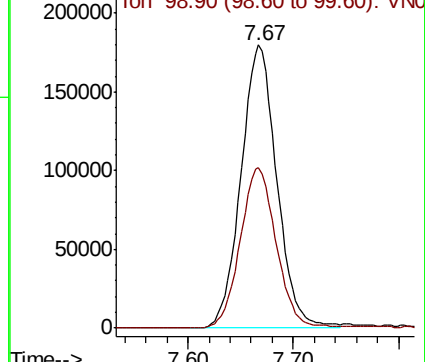
Ion Ratio Lower Upper

168 100

99 56.8 43.6 65.4



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



#16

Acetone

Concen: 0.398 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN055469.D

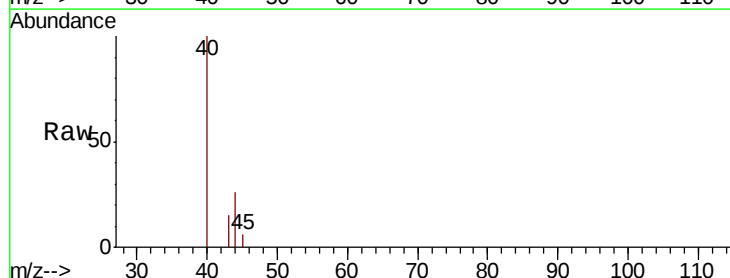
Acq: 8 May 2019 5:21

Tgt Ion: 43 Resp: 688

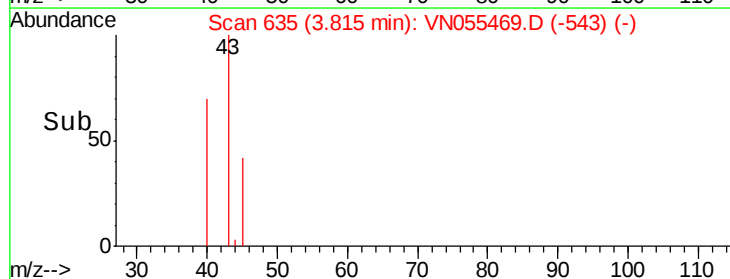
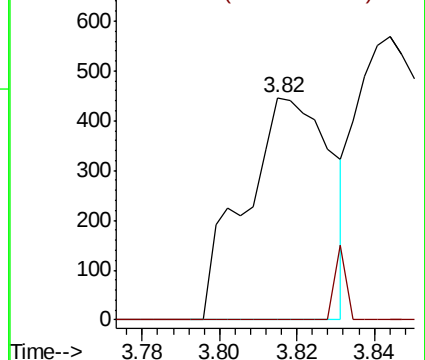
Ion Ratio Lower Upper

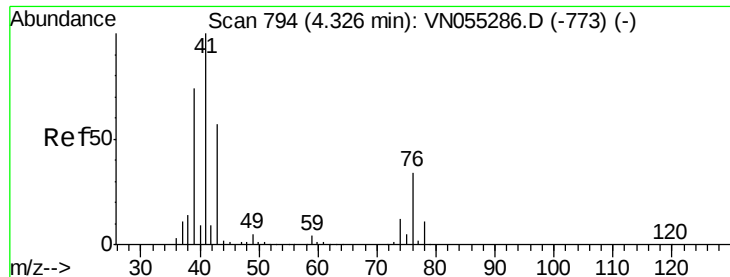
43 100

58 0.0 23.6 35.4#



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

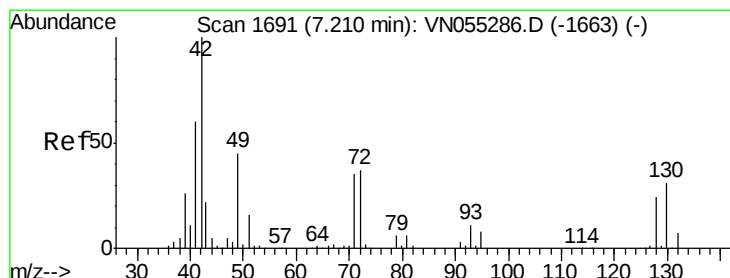
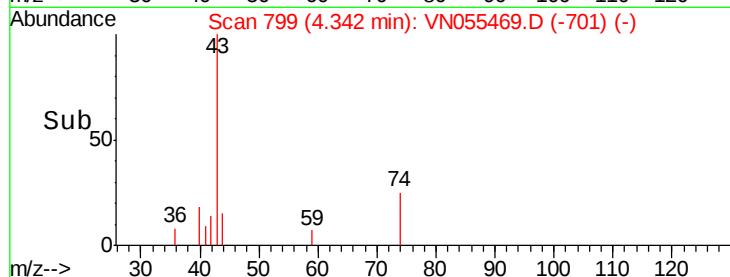
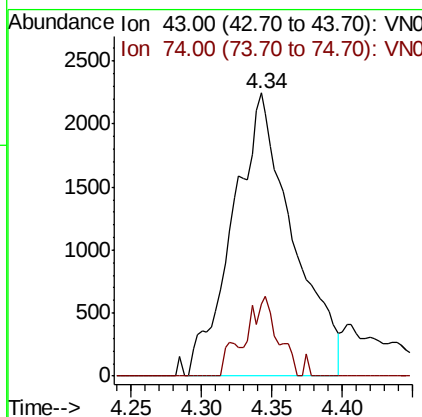
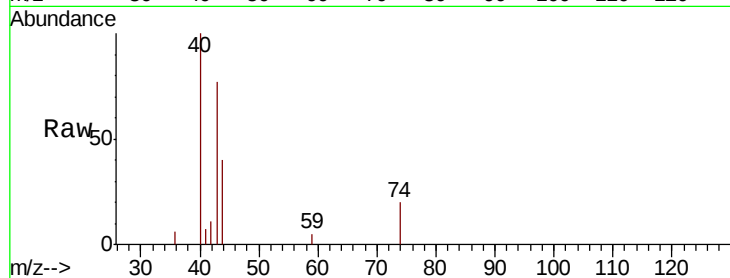




#18
Methyl Acetate
Concen: 0.554 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN055469.D
Acq: 8 May 2019 5:21

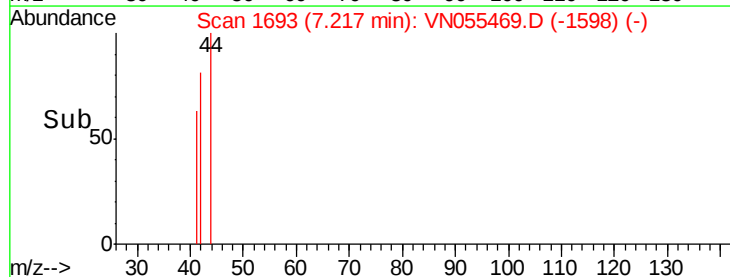
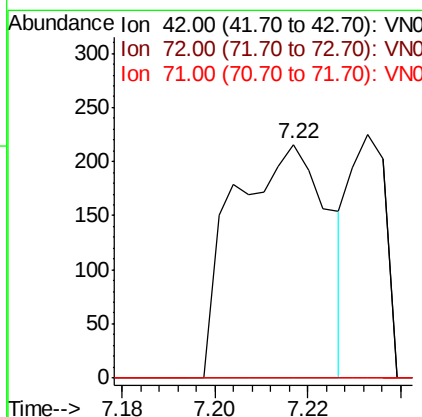
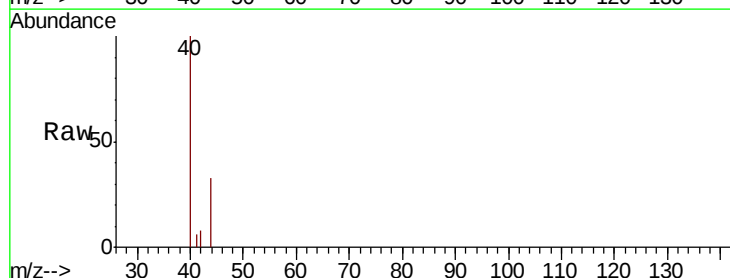
Instrument :
MSVOA_N
ClientSampleId :
P026-SS004-0002-01

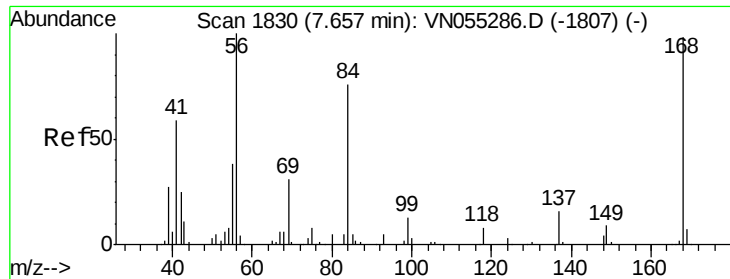
Tot Ion: 43 Resp: 6648
Ion Ratio Lower Upper
43 100
74 12.9 15.8 23.8#



#29
Tetrahydrofuran
Concen: 0.216 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055469.D
Acq: 8 May 2019 5:21

Tgt Ion: 42 Resp: 306
Ion Ratio Lower Upper
42 100
72 0.0 29.0 43.6#
71 0.0 27.1 40.7#

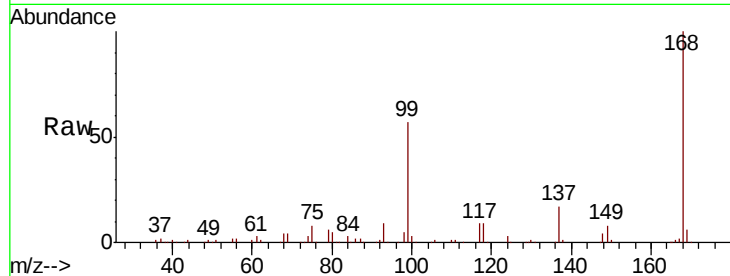




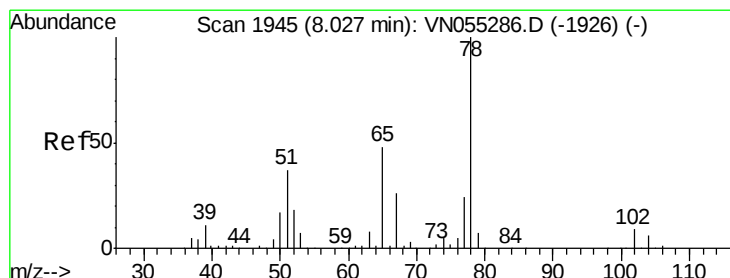
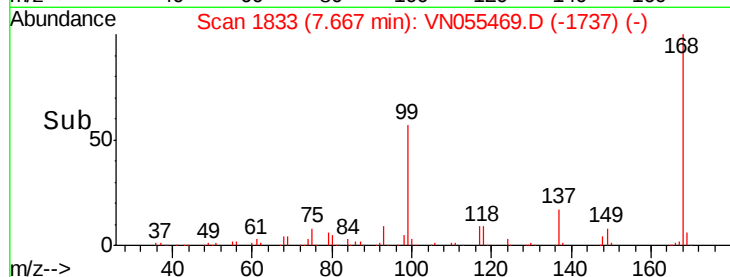
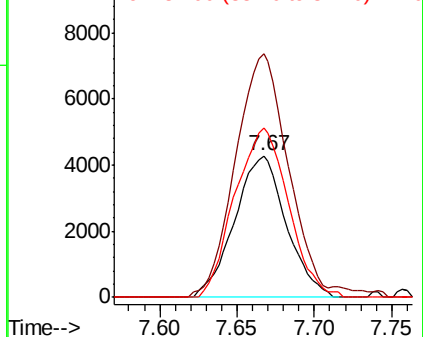
#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055469.D
Acq: 8 May 2019 5:21

Instrument :
MSVOA_N
ClientSampleId :
P026-SS004-0002-01

Tot Ion: 56 Resp: 9933
Ion Ratio Lower Upper
56 100
69 172.0 25.2 37.8#
84 127.3 61.1 91.7#

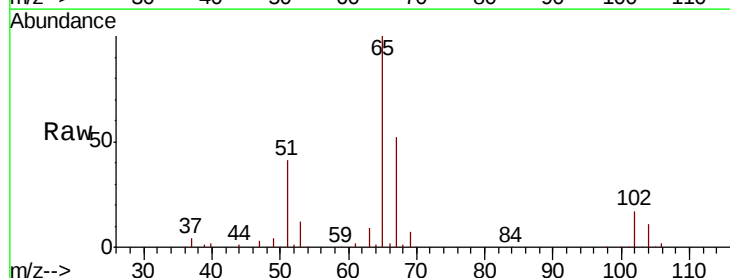


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

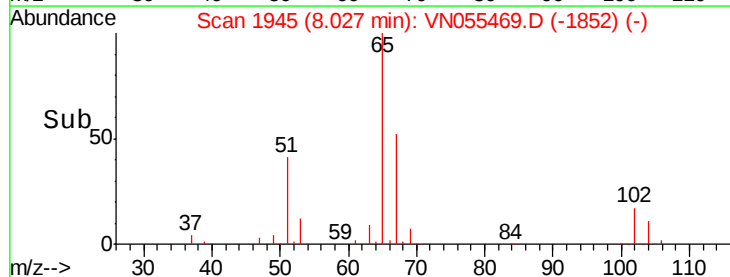
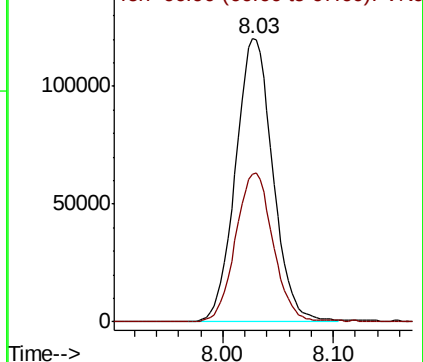


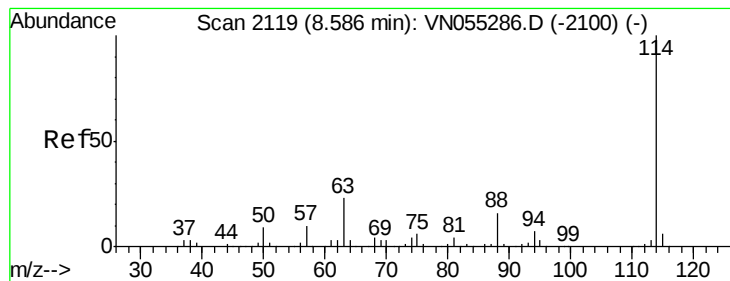
#33
1,2-Dichloroethane-d4
Concen: 50.719 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055469.D
Acq: 8 May 2019 5:21

Tgt Ion: 65 Resp: 281424
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055469.D

Acq: 8 May 2019 5:21

Instrument :

MSVOA_N

ClientSampleId :

P026-SS004-0002-01

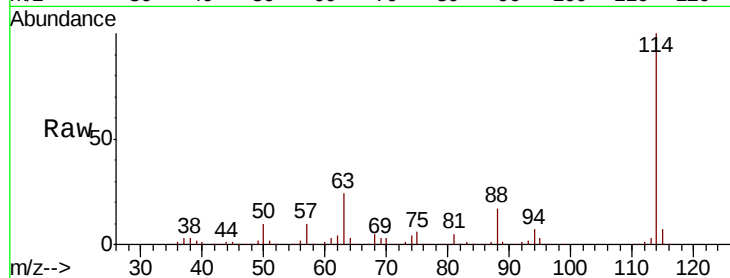
Tot Ion:114 Resp: 651282

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

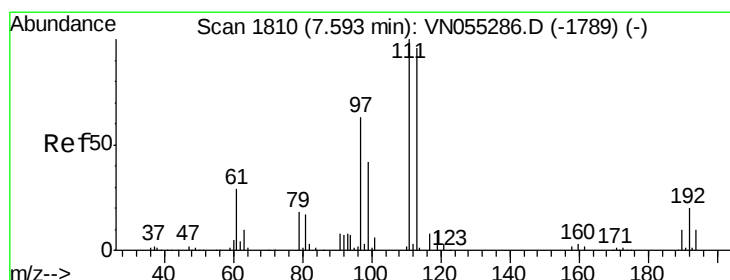
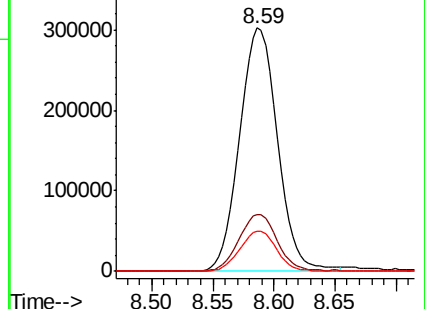
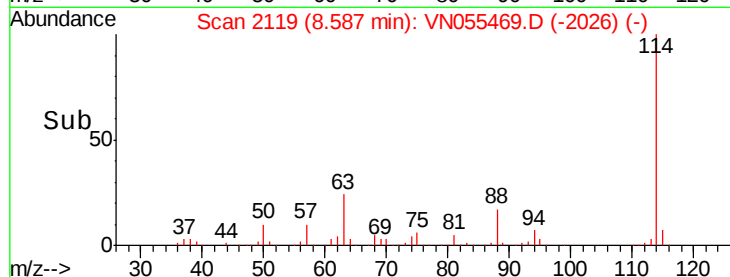
88 16.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.084 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055469.D

Acq: 8 May 2019 5:21

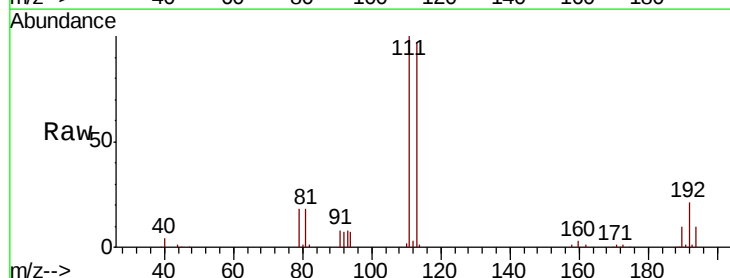
Tgt Ion:113 Resp: 209822

Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

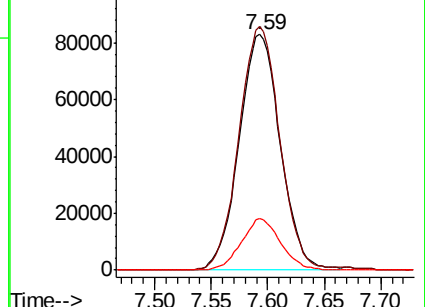
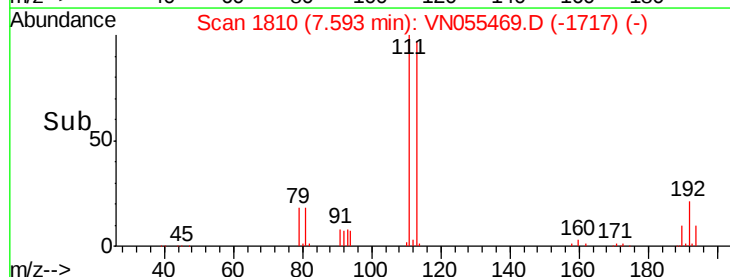
192 20.8 17.0 25.6

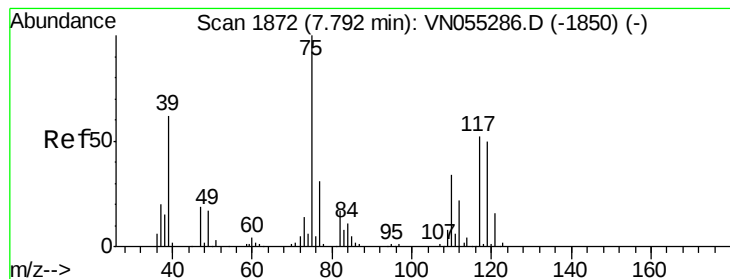


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.552 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055469.D

Acq: 8 May 2019 5:21

Instrument :

MSVOA_N

ClientSampleId :

P026-SS004-0002-01

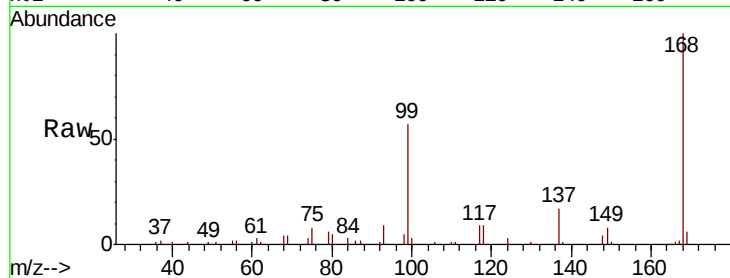
Tot Ion: 75 Resp: 34638

Ion Ratio Lower Upper

75 100

110 2.3 16.8 50.4#

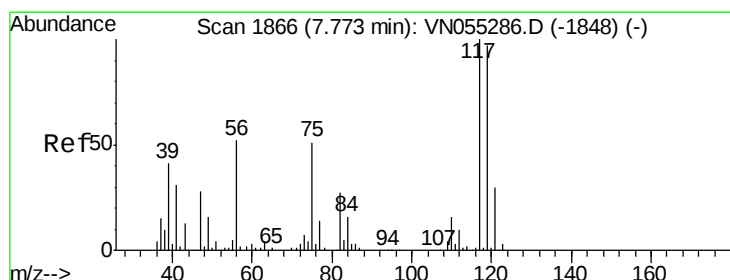
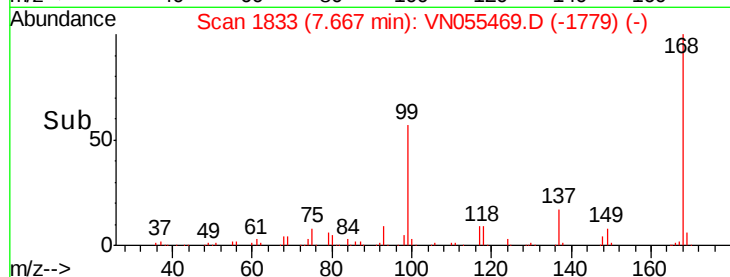
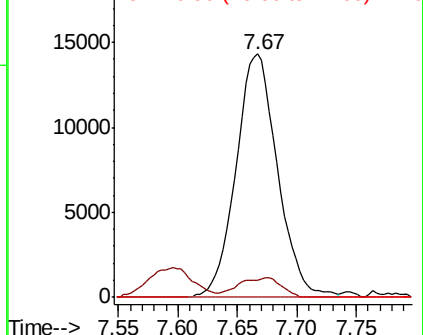
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN055286.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN055286.D (-1850) (-)



#38

Carbon Tetrachloride

Concen: 6.836 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN055469.D

Acq: 8 May 2019 5:21

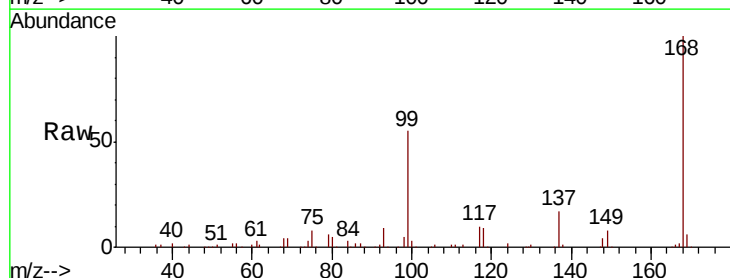
Tgt Ion: 117 Resp: 41137

Ion Ratio Lower Upper

117 100

119 3.7 77.0 115.6#

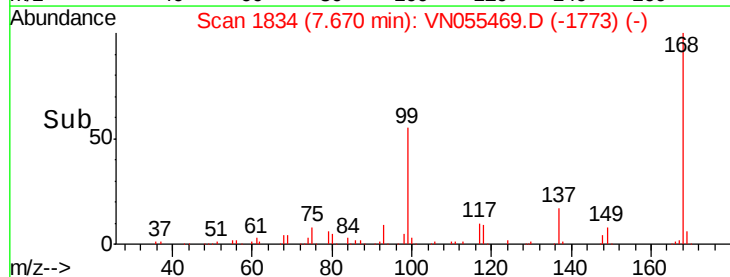
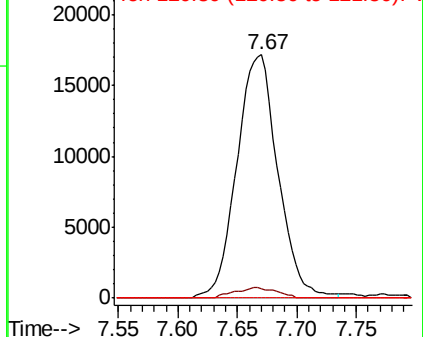
121 0.0 23.8 35.8#

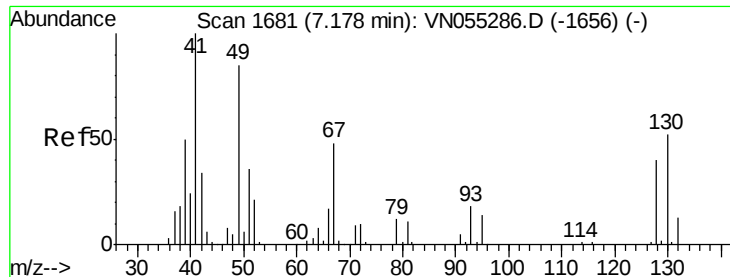


Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN055286.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN055286.D (-1848) (-)

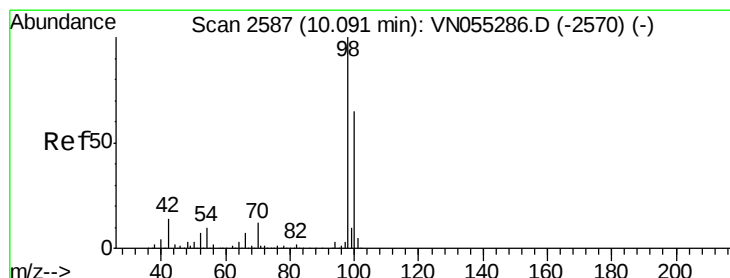
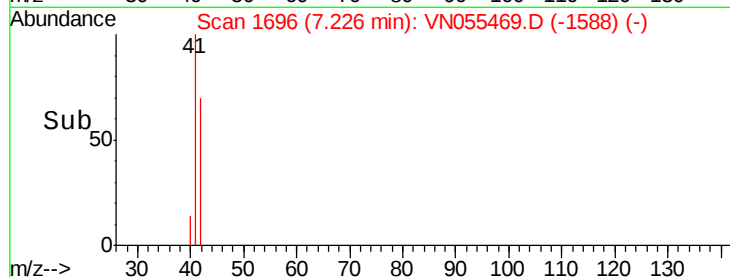
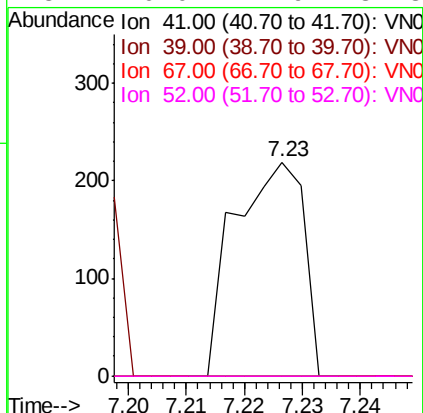
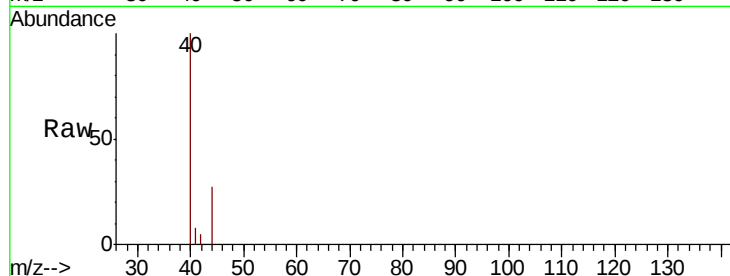




#41
Methacrylonitrile
Concen: 0.809 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.05 min
Lab File: VN055469.D
Acq: 8 May 2019 5:21

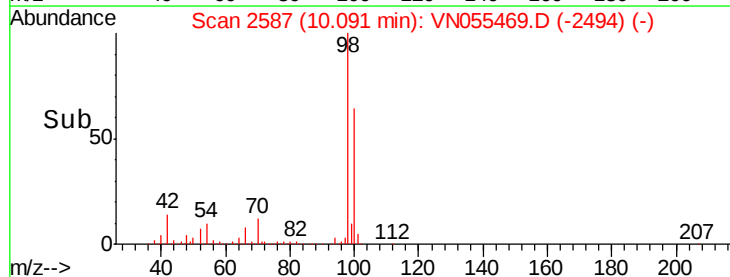
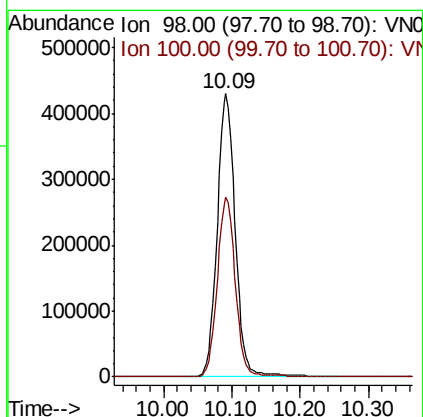
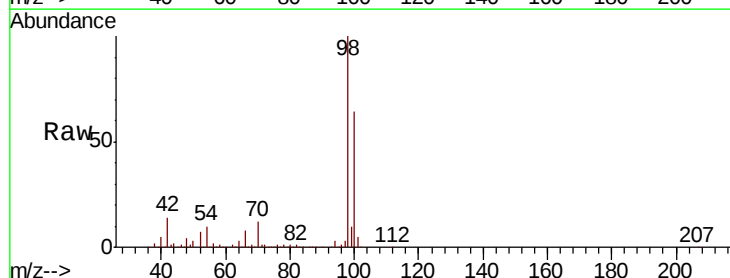
Instrument :
MSVOA_N
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P026-SS004-0002-01

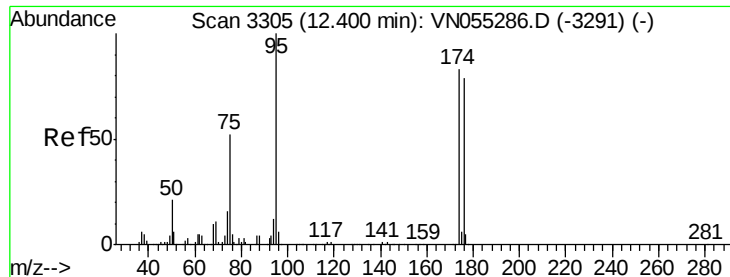
Tot Ion:	41	Resp:	181
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.5	72.7#
67	0.0	54.9	82.3#
52	0.0	24.9	37.3#



#50
Toluene-d8
Concen: 51.162 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055469.D
Acq: 8 May 2019 5:21

Tgt Ion:	98	Resp:	789724
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.7	77.5





#62

4-Bromofluorobenzene

Concen: 48.562 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055469.D

Acq: 8 May 2019 5:21

Instrument :

MSVOA_N

ClientSampleId :

P026-SS004-0002-01

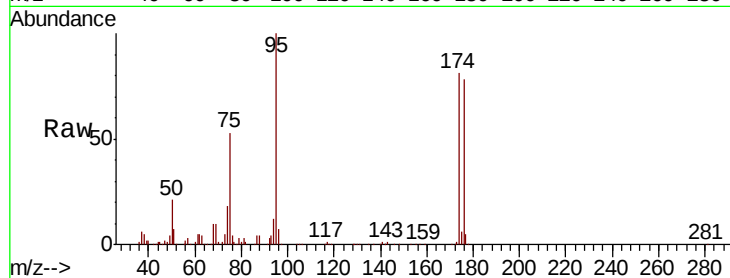
Tot Ion: 95 Resp: 234277

Ion Ratio Lower Upper

95 100

174 81.9 0.0 166.6

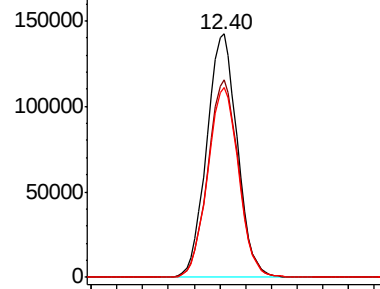
176 79.0 0.0 157.8



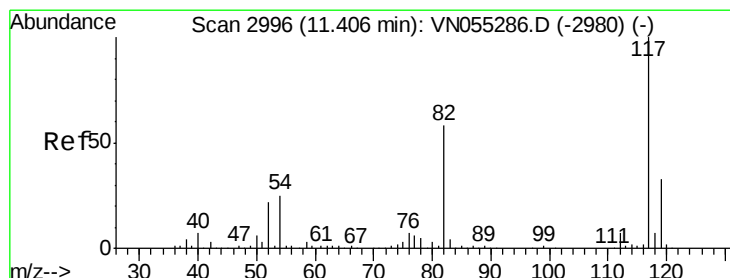
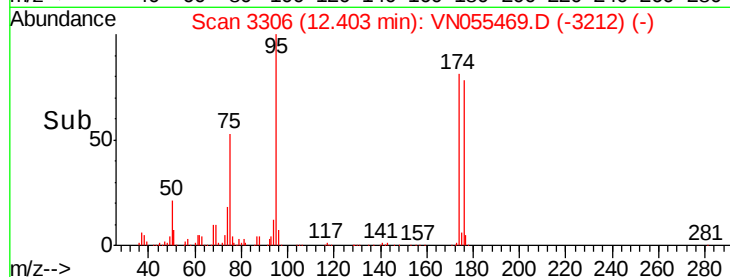
Abundance Ion 94.90 (94.60 to 95.60): VN055286.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055286.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055286.D (-3291) (-)



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055469.D

Acq: 8 May 2019 5:21

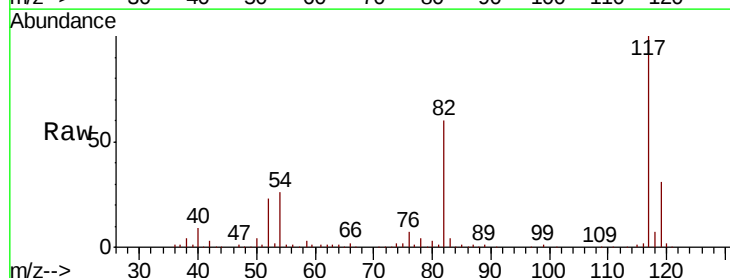
Tgt Ion: 117 Resp: 545643

Ion Ratio Lower Upper

117 100

82 59.6 46.2 69.4

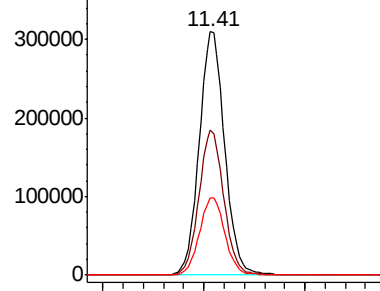
119 31.5 26.6 40.0



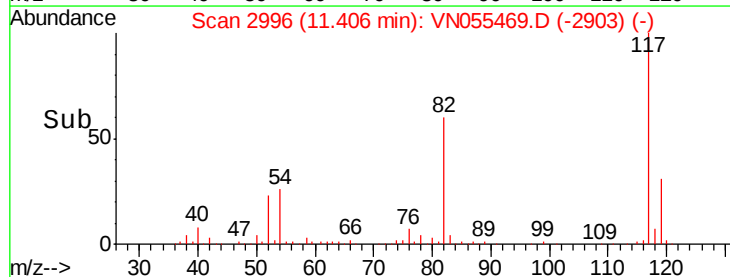
Abundance Ion 116.90 (116.60 to 117.60): VN055286.D (-2980) (-)

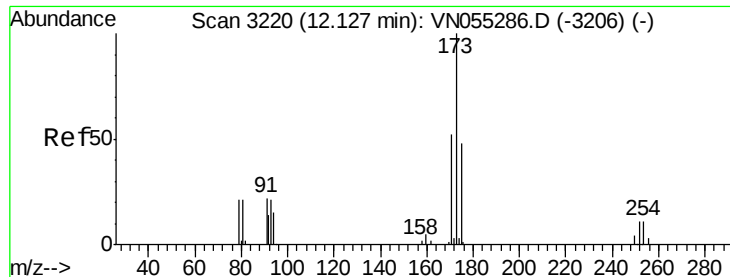
Ion 82.00 (81.70 to 82.70): VN055286.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055286.D (-2980) (-)



Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.572 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055469.D

Acq: 8 May 2019 5:21

Instrument :

MSVOA_N

ClientSampleId :

P026-SS004-0002-01

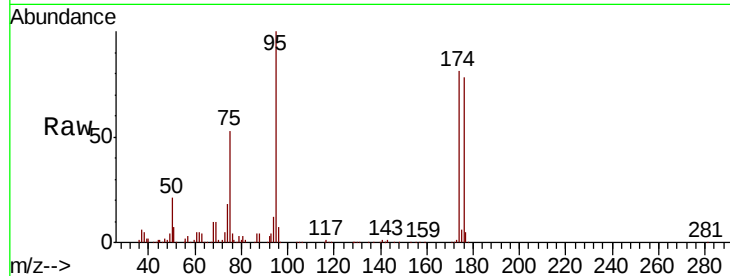
Tot Ion:173 Resp: 1326

Ion Ratio Lower Upper

173 100

175 955.1 23.6 71.0#

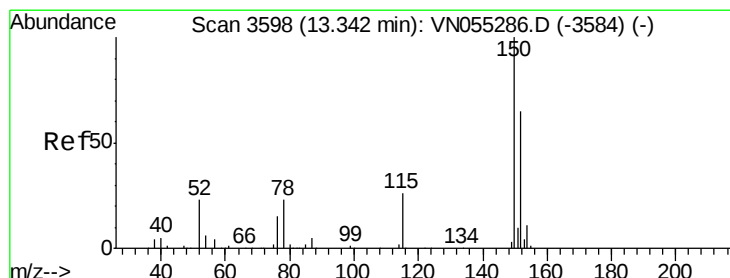
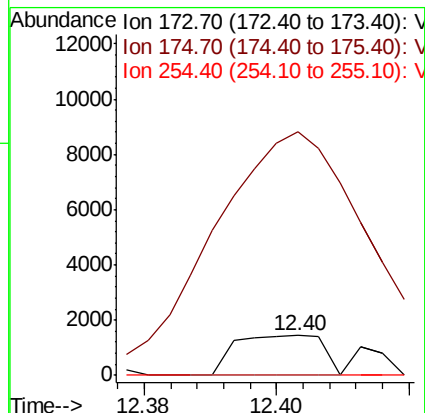
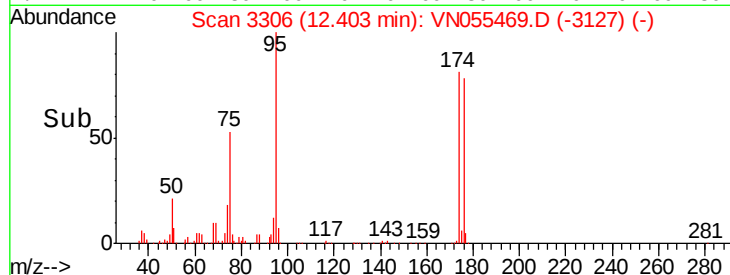
254 0.0 0.0 0.0



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: VN055469.D

Acq: 8 May 2019 5:21

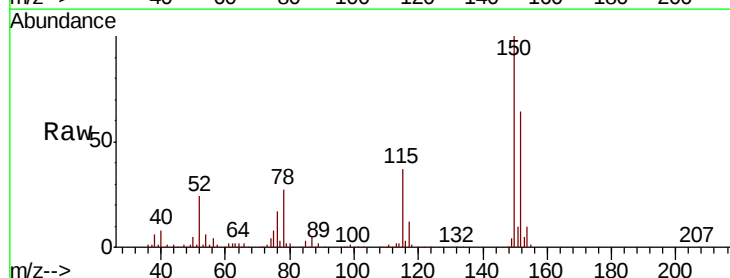
Tgt Ion:152 Resp: 172709

Ion Ratio Lower Upper

152 100

115 58.7 29.0 87.0

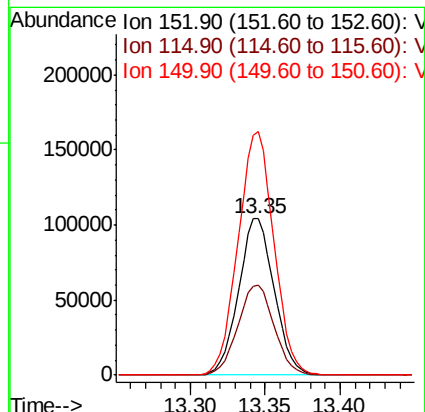
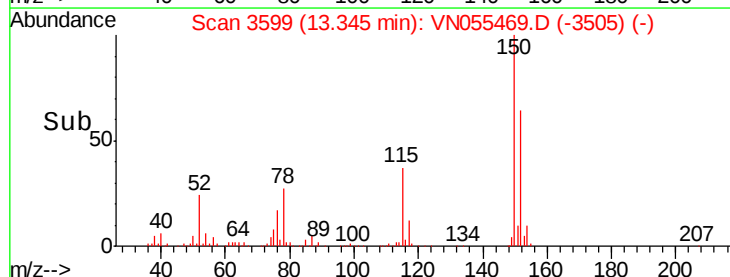
150 156.5 0.0 345.6

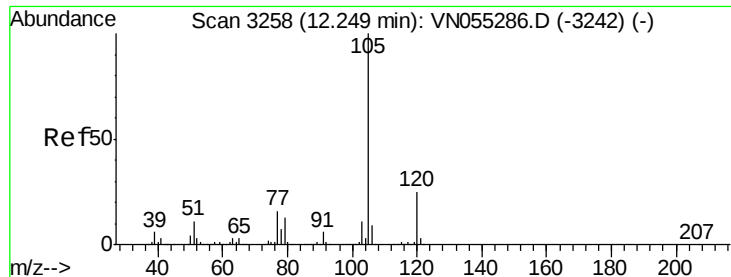


Abundance Ion 151.90 (151.60 to 152.60): V

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: VN055469.D

Acq: 8 May 2019 5:21

Instrument :

MSVOA_N

ClientSampleId :

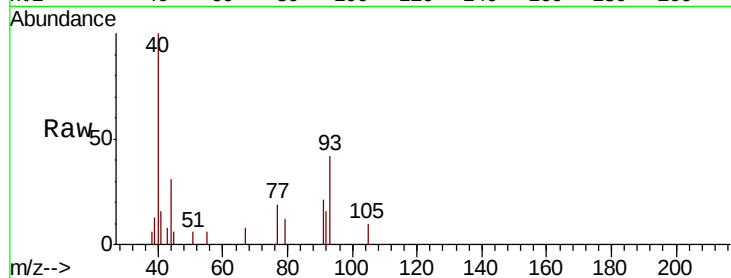
P026-SS004-0002-01

Tot Ion: 105 Resp: 314

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

12.25

250

200

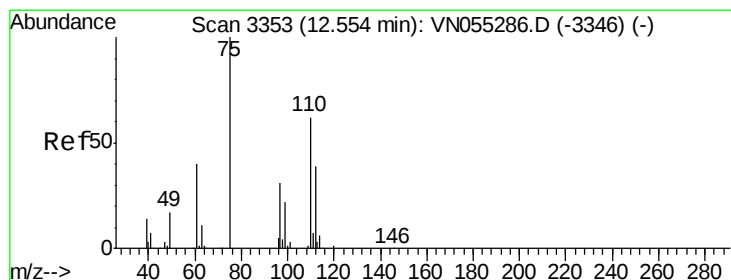
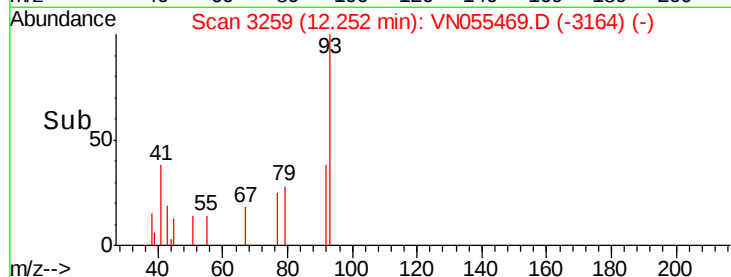
150

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 38.181 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN055469.D

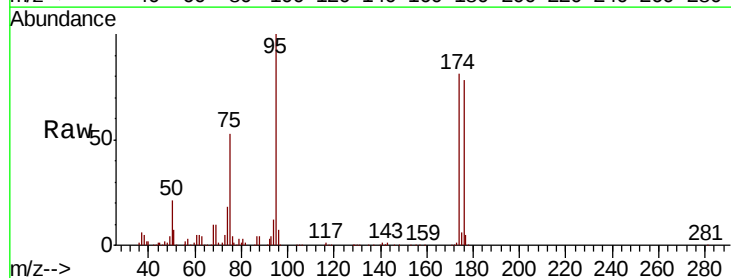
Acq: 8 May 2019 5:21

Tgt Ion: 75 Resp: 124480

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

80000

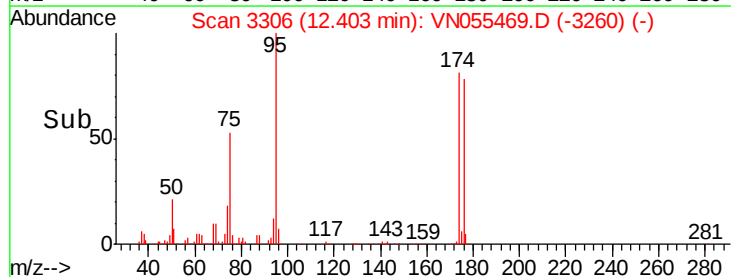
60000

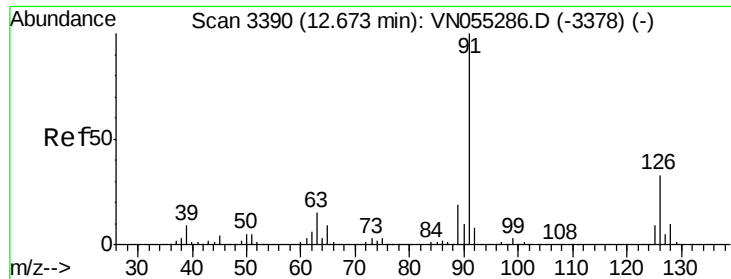
40000

20000

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN055469.D

Acq: 8 May 2019 5:21

Instrument :

MSVOA_N

ClientSampleId :

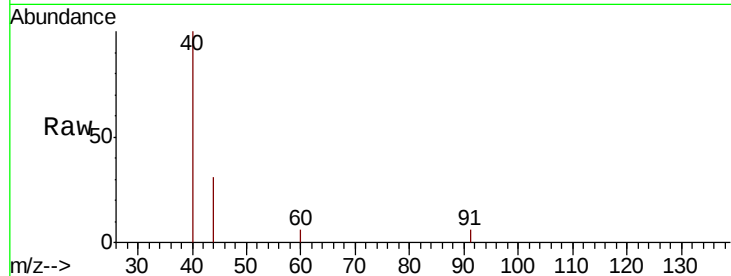
P026-SS004-0002-01

Tot Ion: 91 Resp: 76

Ion Ratio Lower Upper

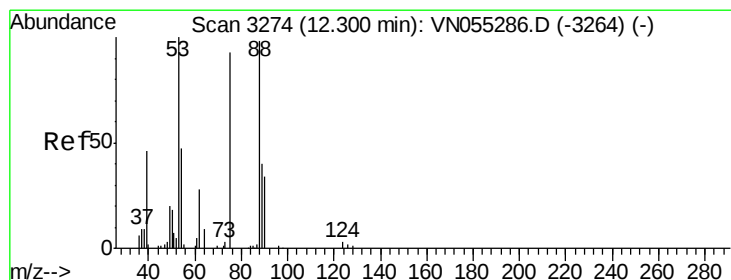
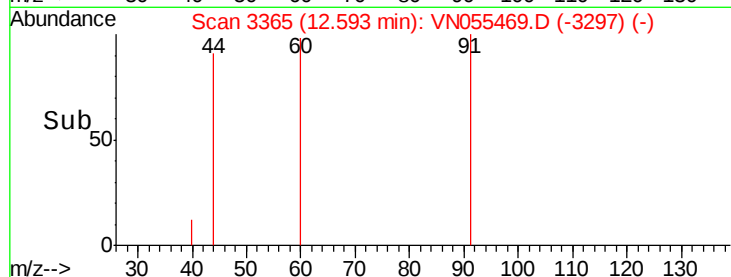
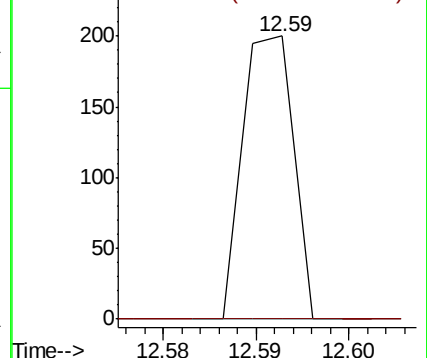
91 100

126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 136.587 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN055469.D

Acq: 8 May 2019 5:21

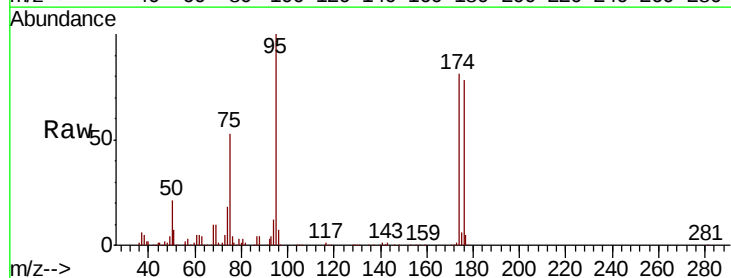
Tgt Ion: 75 Resp: 124480

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

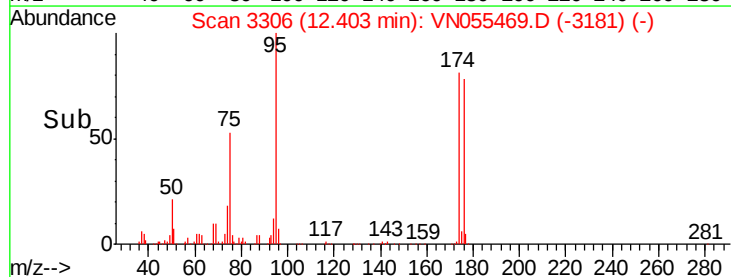
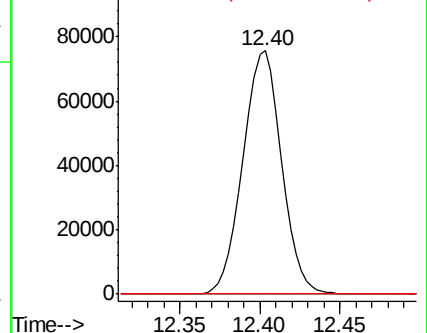
89 0.0 34.6 51.8#

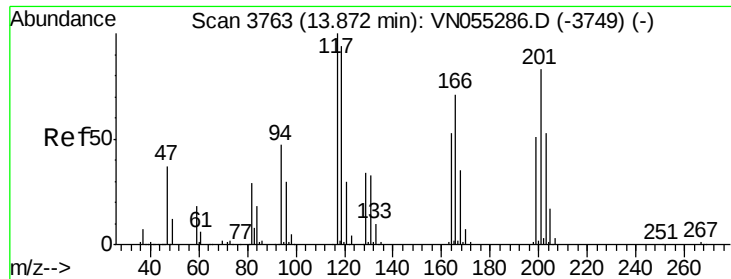


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#90

Hexachloroethane

Concen: Below Cal

RT: 13.99 min Scan# 3800

Delta R.T. 0.12 min

Lab File: VN055469.D

Acq: 8 May 2019 5:21

Instrument :

MSVOA_N

ClientSampleId :

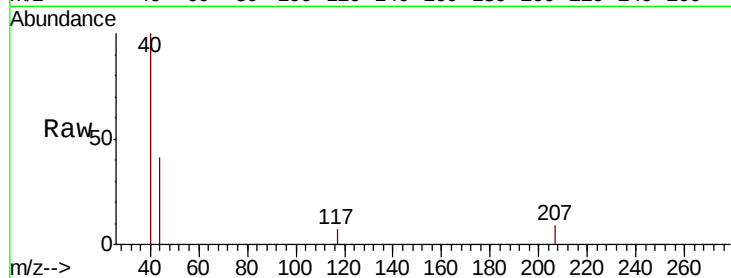
P026-SS004-0002-01

Tot Ion:117 Resp: 34

Ion Ratio Lower Upper

117 100

201 0.0 41.9 125.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.99

200

150

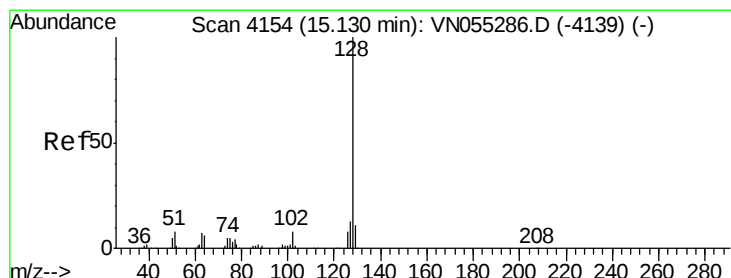
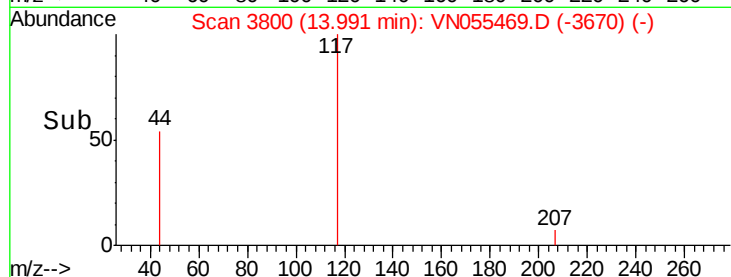
100

50

0

13.98 13.99 14.00

Time-->



#95

Naphthalene

Concen: 3.352 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055469.D

Acq: 8 May 2019 5:21

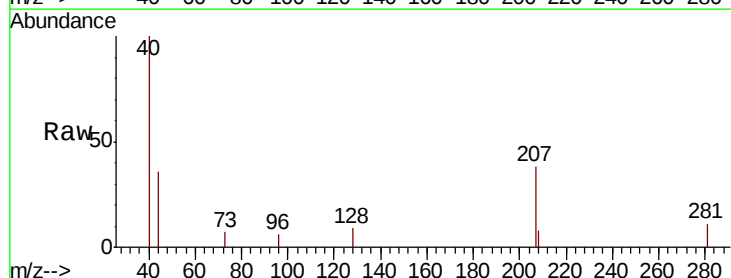
Tgt Ion:128 Resp: 121

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

15.13

300

200

100

0

15.12 15.13 15.14

Time-->

