

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055441.D
 Acq On : 7 May 2019 16:44
 Operator : JC/SP
 Sample : K2658-22
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5

Quant Time: May 08 05:49:35 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	474030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	725675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	588529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	207458	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	305172	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.59	113	230877	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.09	98	858191	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.40	95	260654	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

					Qvalue	
3) Chloromethane	2.06	50	10007	1.391	ug/l	99
11) Tert butyl alcohol	4.79	59	639	1.800	ug/l #	73
16) Acetone	3.82	43	5852	3.029	ug/l	96
17) Carbon Disulfide	4.06	76	44698	3.658	ug/l	96
18) Methyl Acetate	4.35	43	2707	Below Cal	#	67
25) 2-Butanone	6.84	43	970	0.393	ug/l	95
29) Tetrahydrofuran	7.23	42	5325	3.365	ug/l #	65
31) Cyclohexane	7.66	56	10107	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	36380	5.234	ug/l #	50
38) Carbon Tetrachloride	7.67	117	43828	6.537	ug/l #	16
41) Methacrylonitrile	7.22	41	1596	1.285	ug/l #	36
43) Isopropyl Acetate	8.22	43	3241	0.379	ug/l #	56
51) 4-Methyl-2-Pentanone	9.99	43	1112	0.231	ug/l #	39
55) 1,1,2-Trichloroethane	10.53	97	2511	0.575	ug/l #	13
67) Ethyl Benzene	11.51	91	57773	2.780	ug/l	94
68) m/p-Xylenes	11.63	106	3358	0.453	ug/l	95
69) o-Xylene	11.95	106	8188	1.114	ug/l	83
71) Bromoform	12.40	173	1264	0.506	ug/l #	1
73) Isopropylbenzene	12.25	105	134064	5.294	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.47	83	1549	Below Cal	#	33
76) 1,2,3-Trichloropropane	12.40	75	136550	34.638	ug/l #	100
77) Bromobenzene	12.53	156	115	Below Cal	#	1
78) n-propylbenzene	12.59	91	239979	11.261	ug/l	100
79) 2-Chlorotoluene	12.73	91	123450	8.785	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.73	105	1163496	71.538	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	136550	124.734	ug/l #	7
82) 4-Chlorotoluene	12.73	91	123450	9.963	ug/l #	42
83) tert-Butylbenzene	12.99	119	113247	7.355	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2763068	189.958	ug/l	100
85) sec-Butylbenzene	13.17	105	467218	26.430	ug/l	85
86) p-Isopropyltoluene	13.29	119	68474	4.713	ug/l	99
89) n-Butylbenzene	13.58	91	262823	25.457	ug/l #	1
90) Hexachloroethane	13.89	117	81836	35.103	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.25	75	5735	10.508	ug/l #	1

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QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

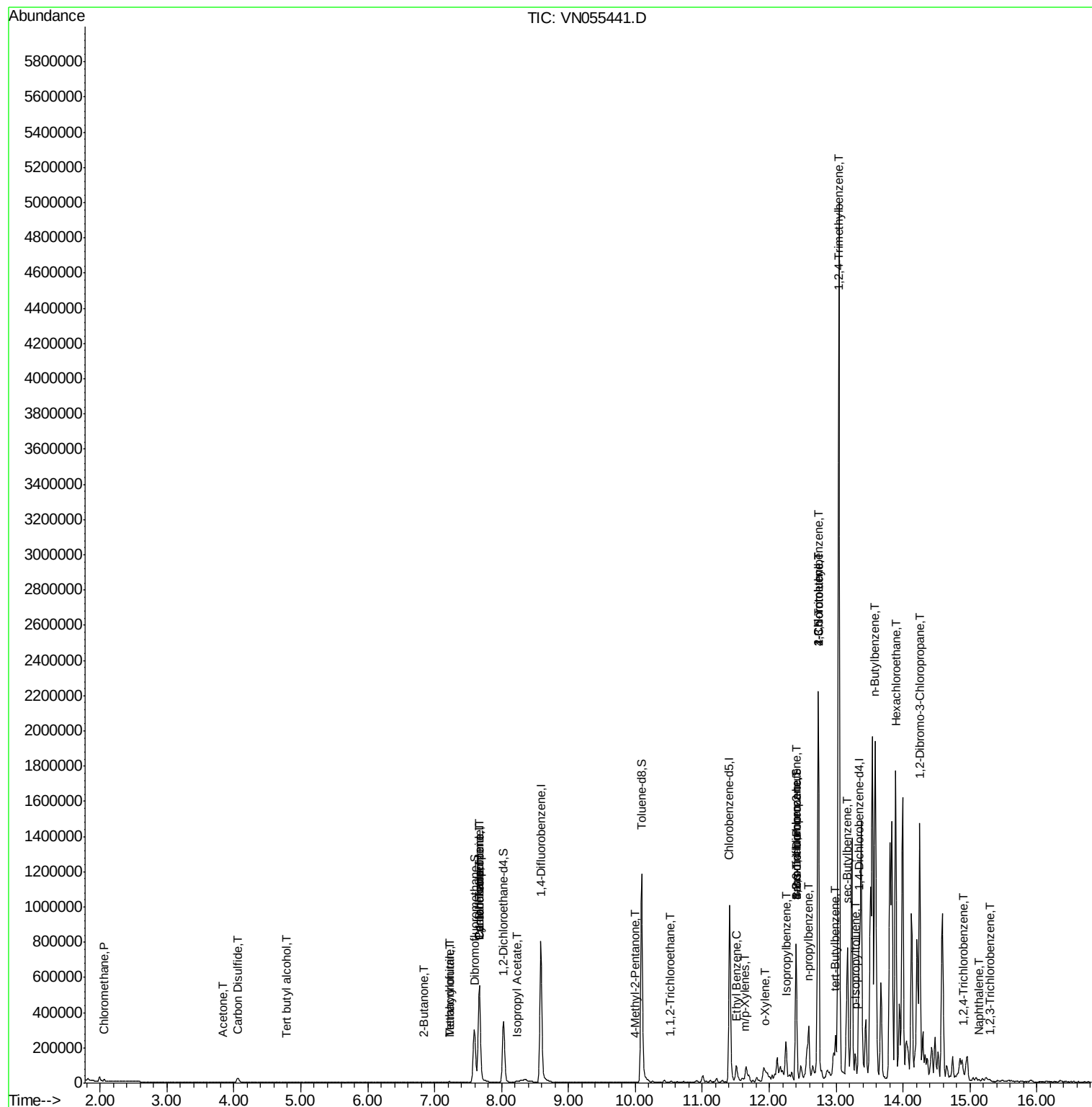
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	701	3.552	ug/l #	1
94) Hexachlorobutadiene	15.00	225	144	Below Cal	#	20
95) Naphthalene	15.13	128	7865	4.601	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.31	180	903	2.933	ug/l #	83

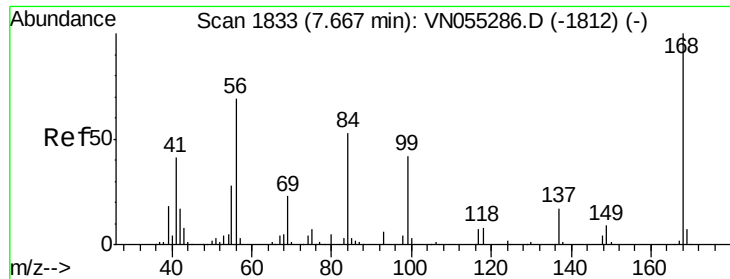
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

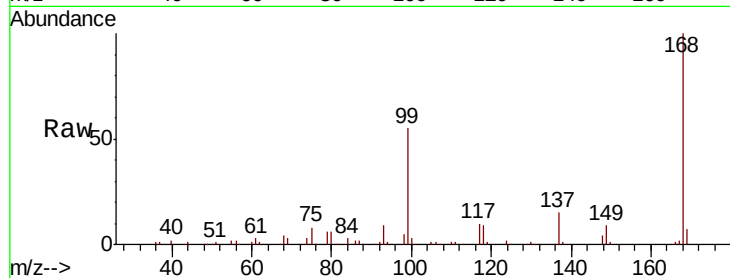
EP1-PZ-W4-5

Tot Ion:168 Resp: 474030

Ion Ratio Lower Upper

168 100

99 54.8 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

200000

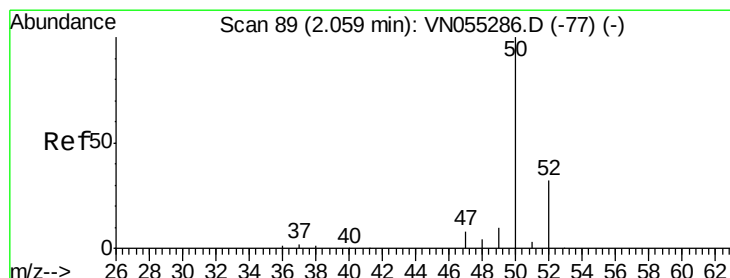
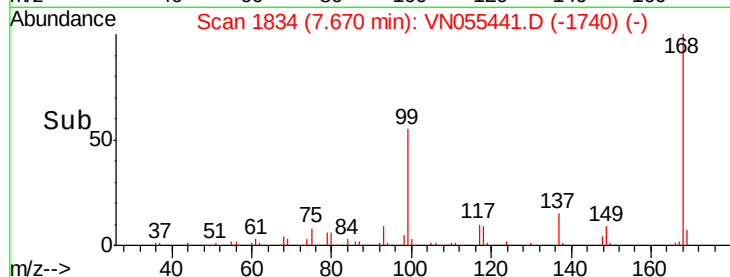
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.391 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055441.D

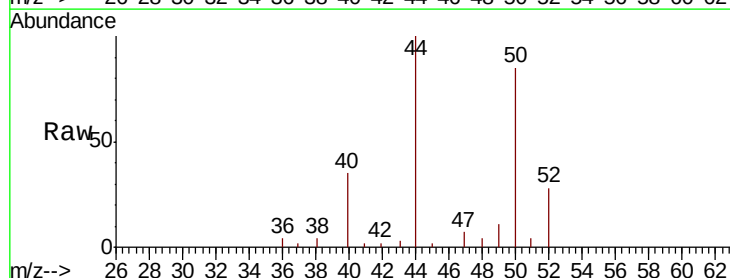
Acq: 7 May 2019 16:44

Tgt Ion: 50 Resp: 10007

Ion Ratio Lower Upper

50 100

52 32.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN055286.D (-77) (-)

Ion 51.90 (51.60 to 52.60): VN055286.D (-77) (-)

2.06

8000

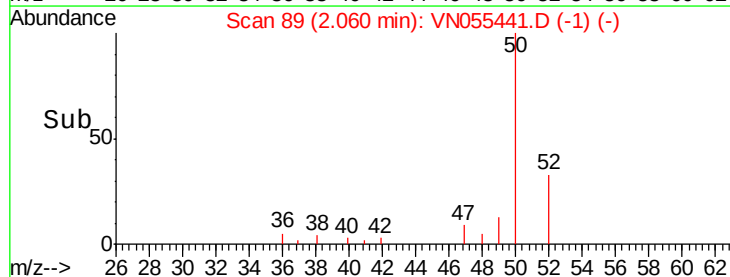
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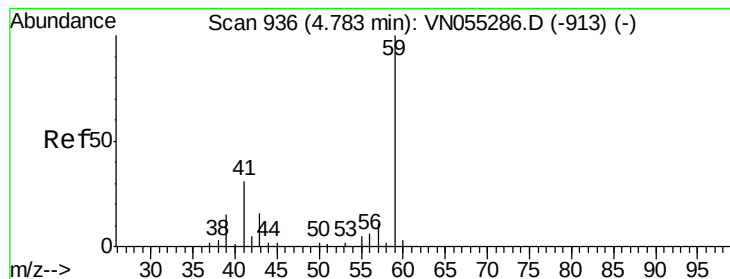
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2000

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Time-->



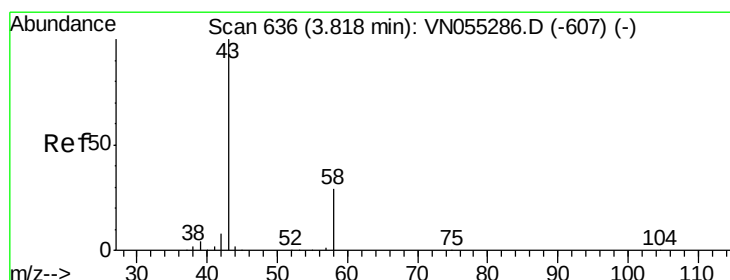
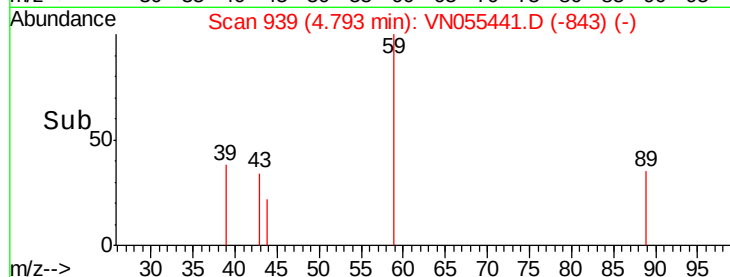
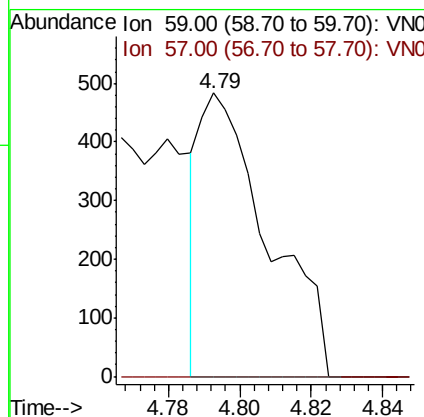
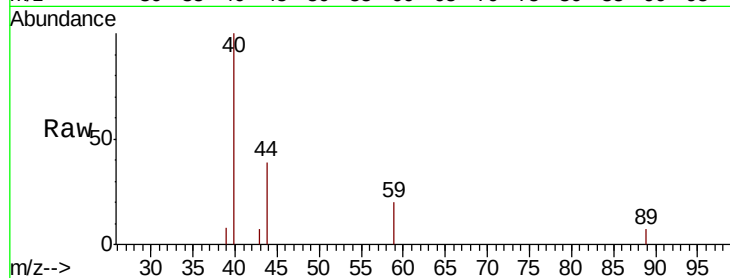


#11

Tert butyl alcohol
 Concen: 1.800 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN055441.D
 Acq: 7 May 2019 16:44

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-W4-5

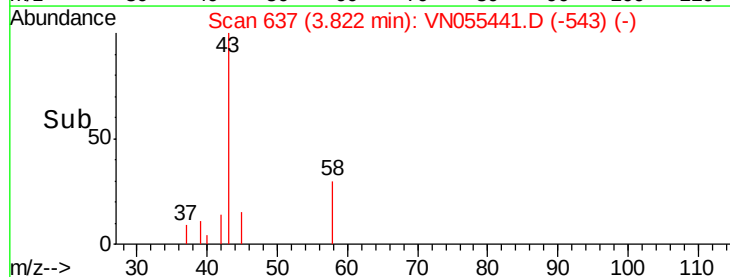
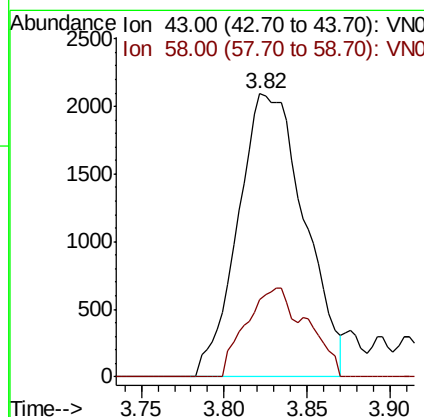
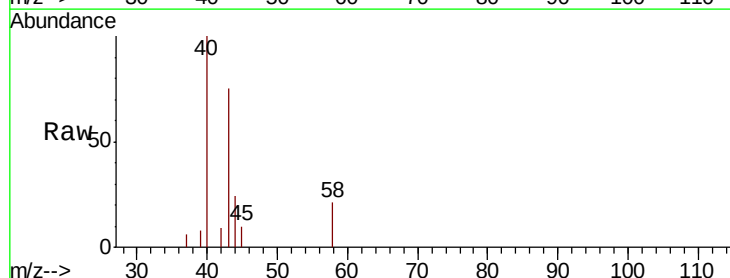
Tot Ion: 59 Resp: 639
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

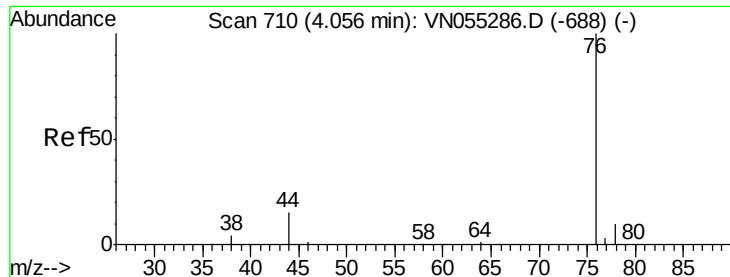


#16

Acetone
 Concen: 3.029 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055441.D
 Acq: 7 May 2019 16:44

Tgt Ion: 43 Resp: 5852
 Ion Ratio Lower Upper
 43 100
 58 27.5 23.6 35.4

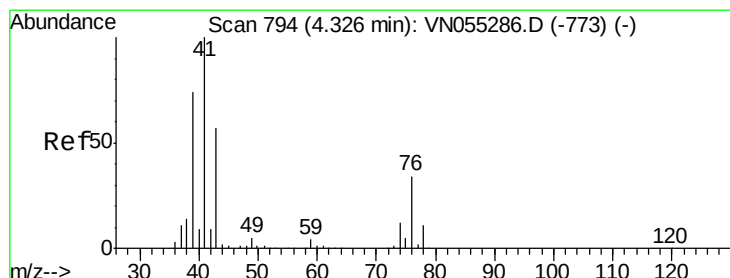
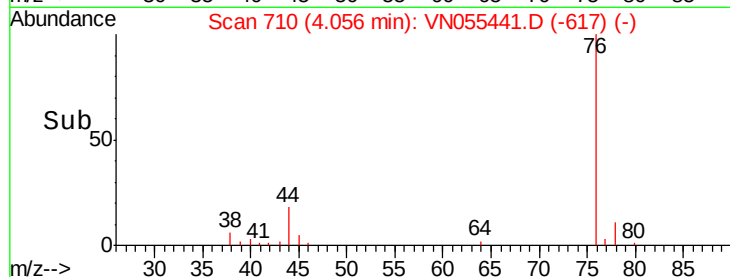
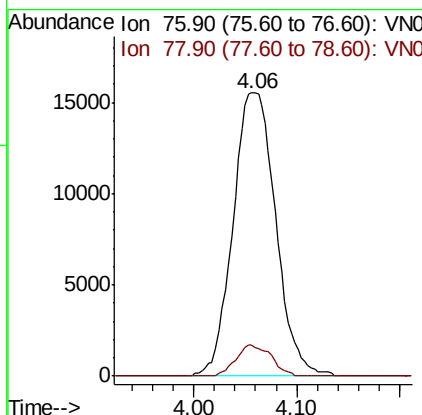
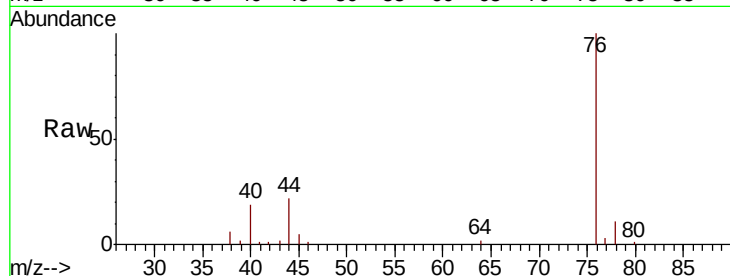




#17
Carbon Disulfide
Concen: 3.658 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055441.D
Acq: 7 May 2019 16:44

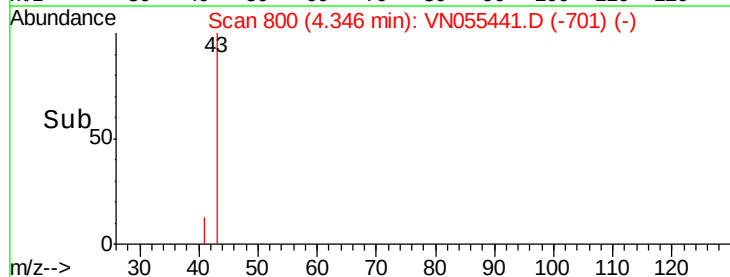
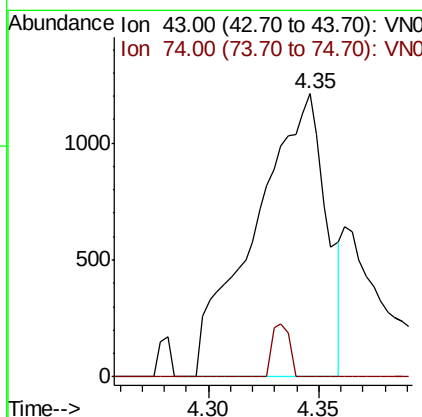
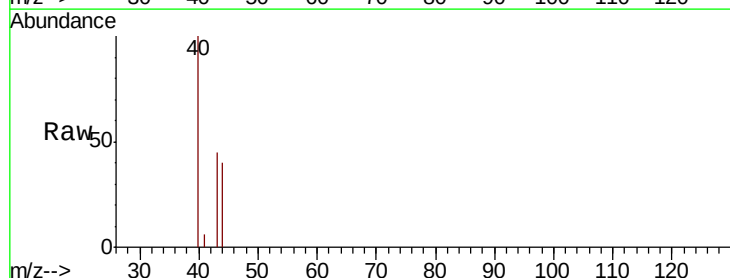
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5

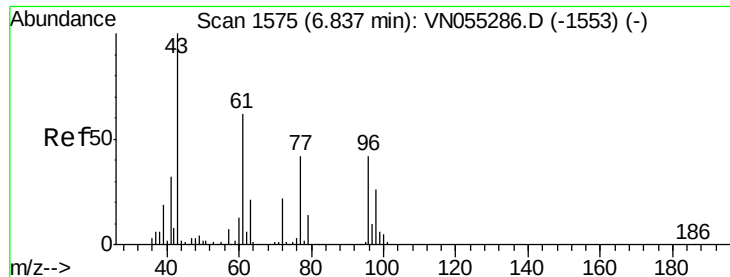
Tot Ion: 76 Resp: 44698
Ion Ratio Lower Upper
76 100
78 10.8 7.6 11.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.35 min Scan# 800
Delta R.T. 0.02 min
Lab File: VN055441.D
Acq: 7 May 2019 16:44

Tgt Ion: 43 Resp: 2707
Ion Ratio Lower Upper
43 100
74 4.5 15.8 23.8#

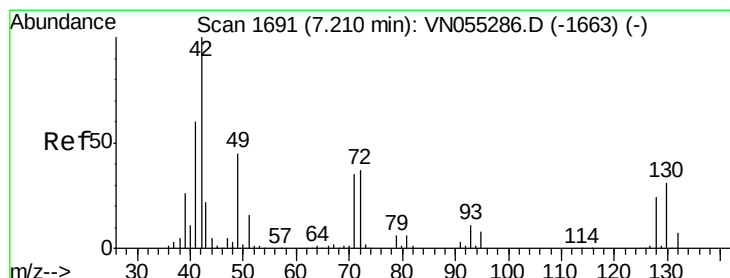
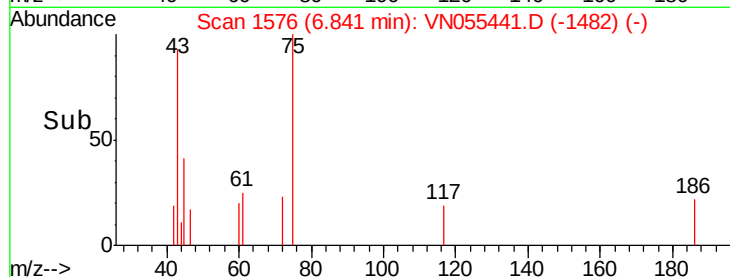
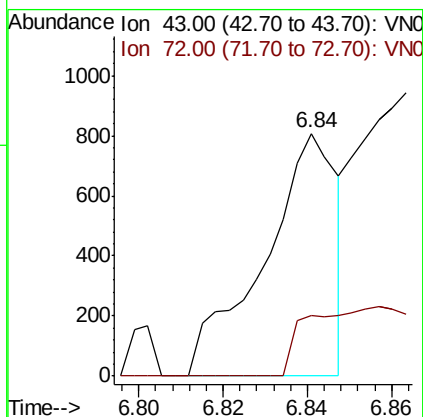
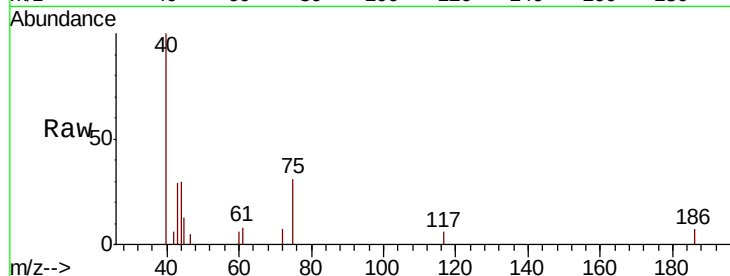




#25
2-Butanone
Concen: 0.393 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055441.D
Acq: 7 May 2019 16:44

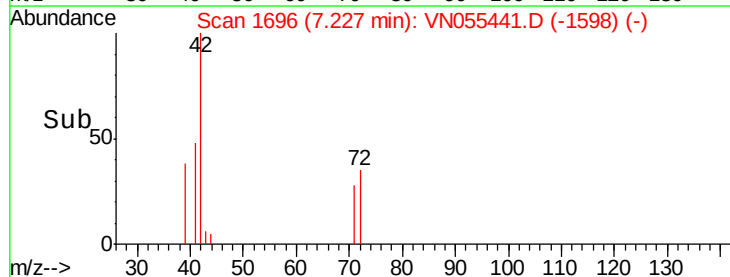
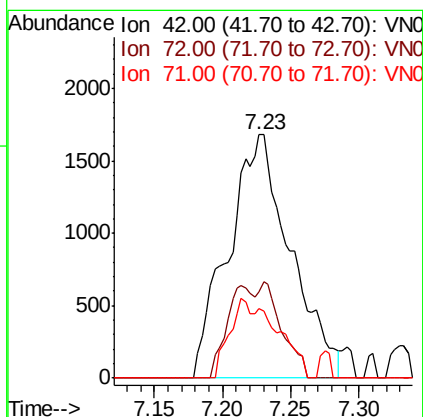
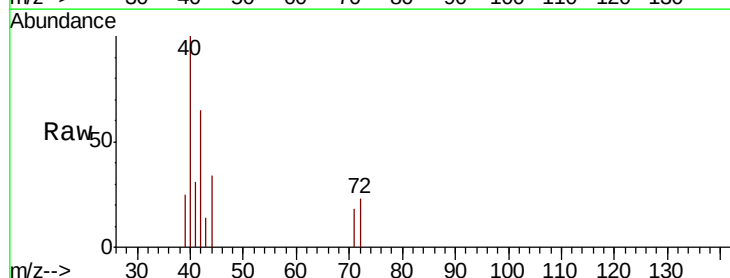
Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-W4-5

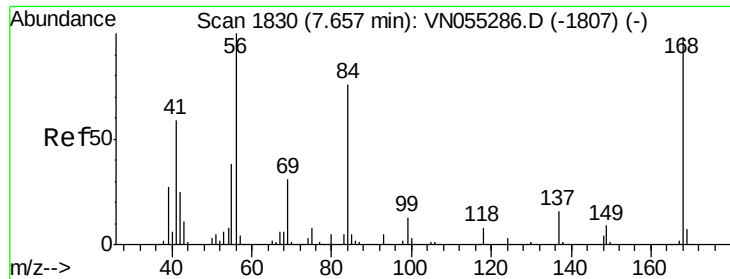
Tot Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
72 24.8 18.0 27.0



#29
Tetrahydrofuran
Concen: 3.365 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.02 min
Lab File: VN055441.D
Acq: 7 May 2019 16:44

Tgt Ion: 42 Resp: 5325
Ion Ratio Lower Upper
42 100
72 16.8 29.0 43.6#
71 12.6 27.1 40.7#

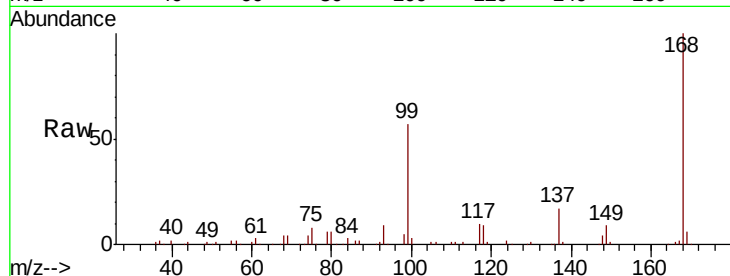




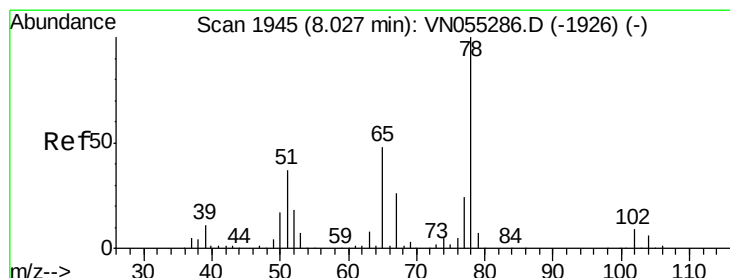
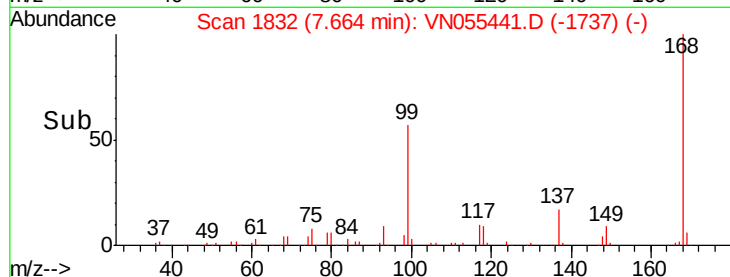
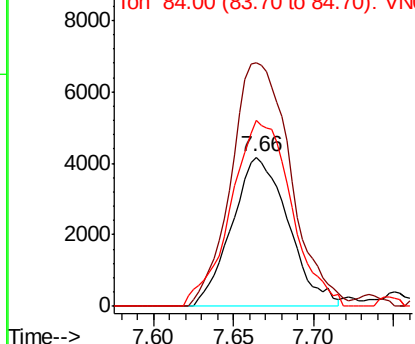
#31
Cyclohexane
Concen: 1.036 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055441.D
Acq: 7 May 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5

Tot Ion: 56 Resp: 10107
Ion Ratio Lower Upper
56 100
69 163.3 25.2 37.8#
84 117.0 61.1 91.7#

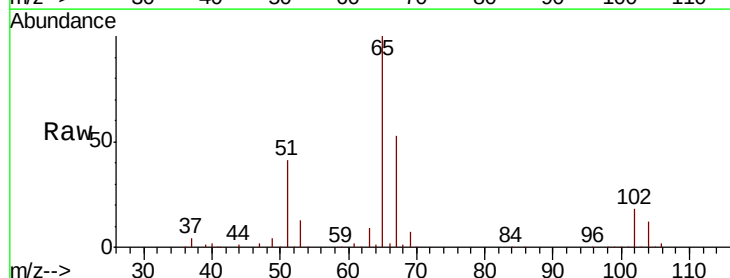


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

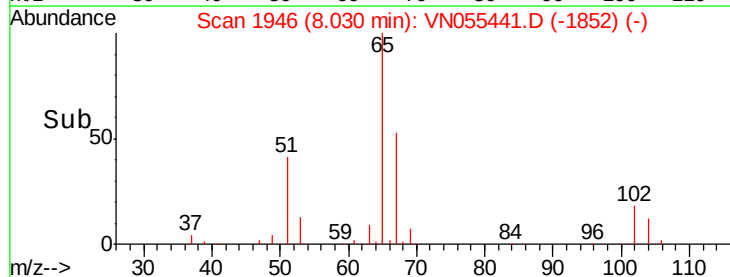
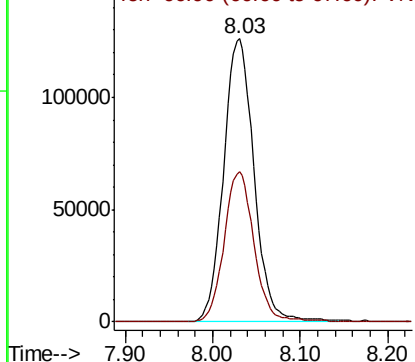


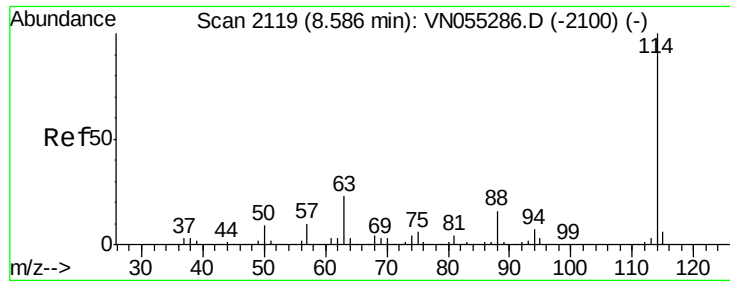
#33
1,2-Dichloroethane-d4
Concen: 49.210 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN055441.D
Acq: 7 May 2019 16:44

Tgt Ion: 65 Resp: 305172
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8



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

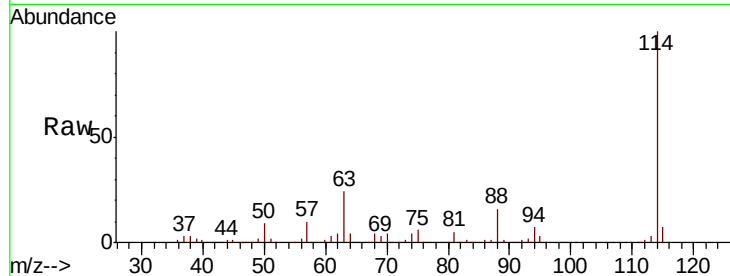




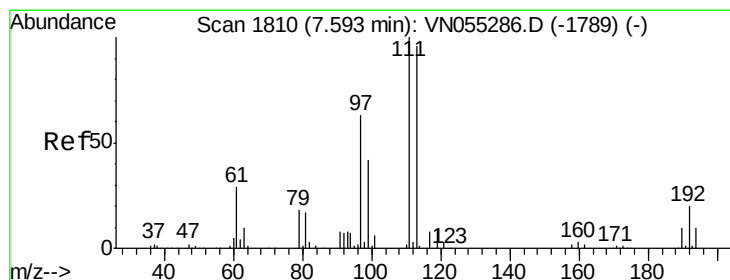
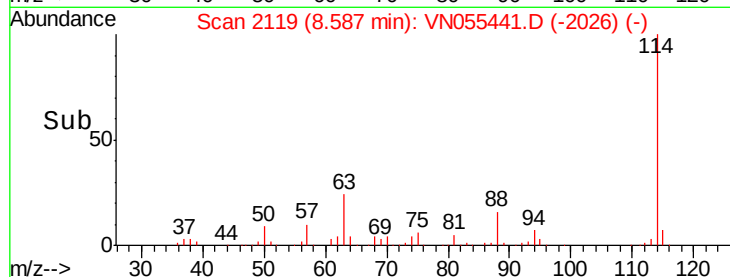
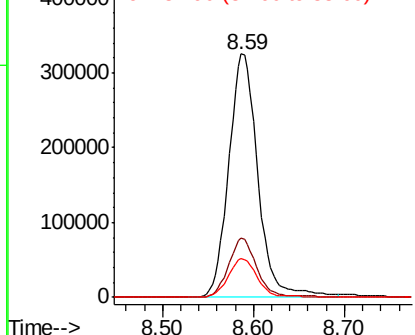
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN055441.D
Acq: 7 May 2019 16:44

Instrument :
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EP1-PZ-W4-5

Tot Ion:114 Resp: 725675
Ion Ratio Lower Upper
114 100
63 24.1 0.0 45.2
88 16.1 0.0 31.6

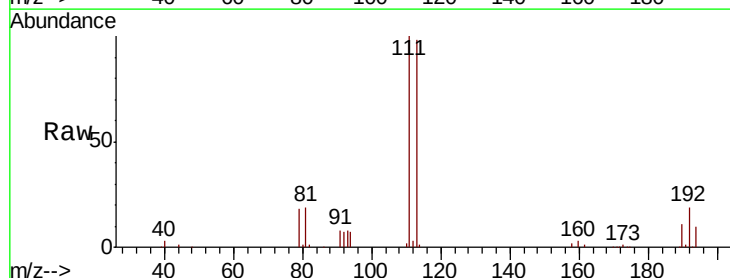


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

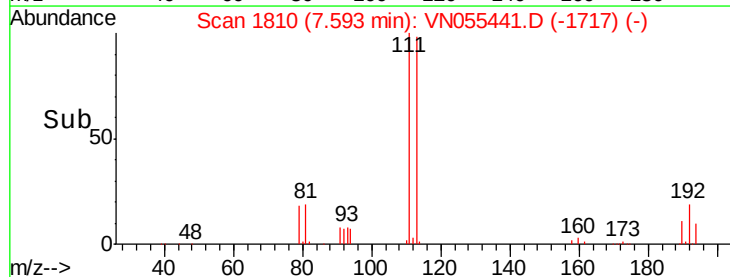
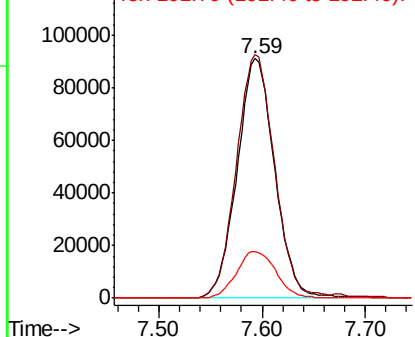


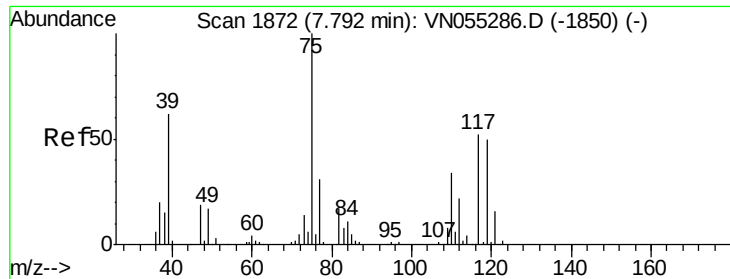
#35
Dibromofluoromethane
Concen: 48.472 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055441.D
Acq: 7 May 2019 16:44

Tgt Ion:113 Resp: 230877
Ion Ratio Lower Upper
113 100
111 102.7 82.3 123.5
192 20.4 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: 5.234 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5

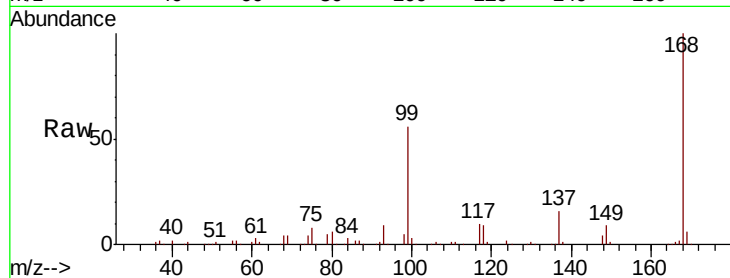
Tot Ion: 75 Resp: 36380

Ion Ratio Lower Upper

75 100

110 8.5 16.8 50.4#

77 0.0 25.0 37.6#

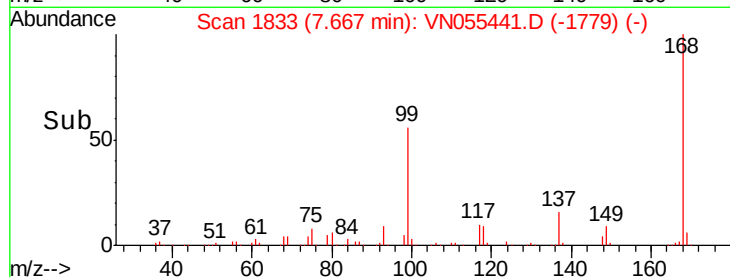


Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-1850) (-)

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

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

Time-->



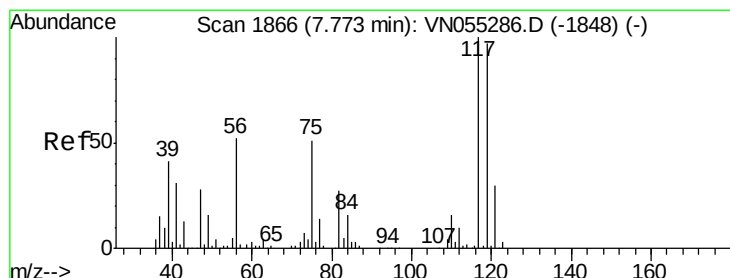
Abundance

Ion 74.90 (74.60 to 75.60): VN055441.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN055441.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN055441.D (-1779) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.537 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

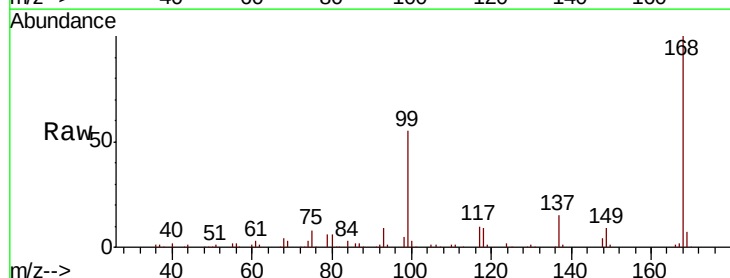
Tgt Ion: 117 Resp: 43828

Ion Ratio Lower Upper

117 100

119 5.4 77.0 115.6#

121 0.0 23.8 35.8#

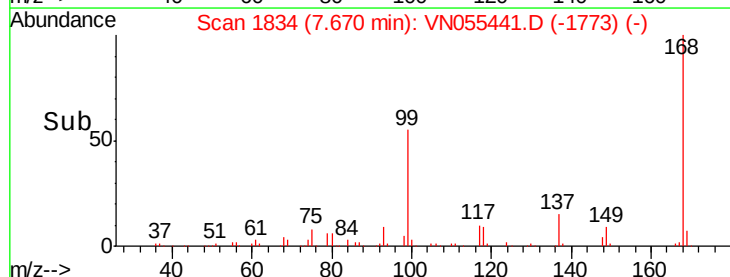


Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-1848) (-)

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

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

Time-->



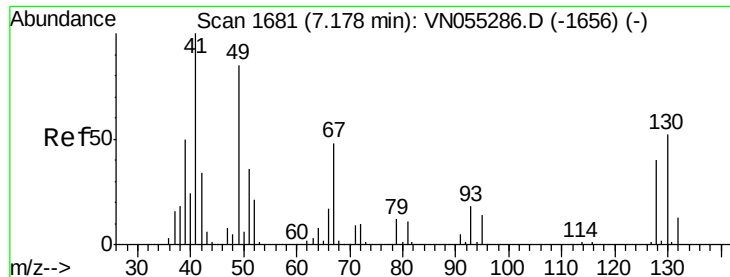
Abundance

Ion 116.80 (116.50 to 117.50): VN055441.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN055441.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN055441.D (-1773) (-)

Time-->



#41

Methacrylonitrile

Concen: 1.285 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.05 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-W4-5

Tot Ion: 41 Resp: 1596

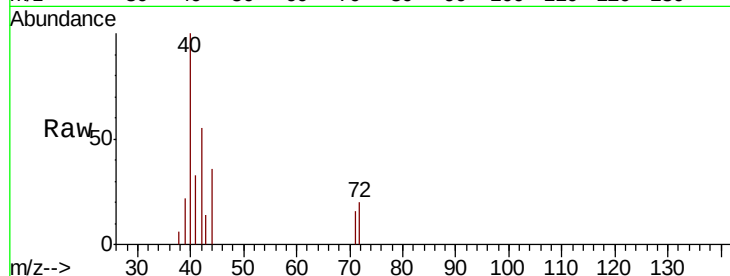
Ion Ratio Lower Upper

41 100

39 27.2 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

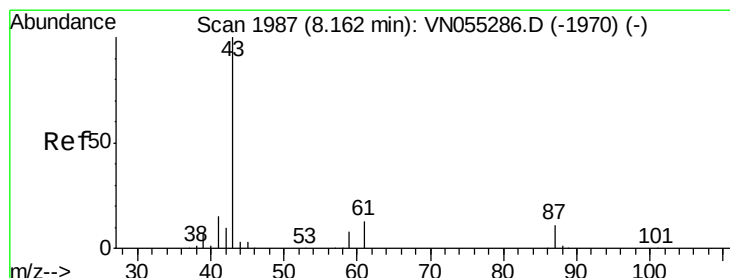
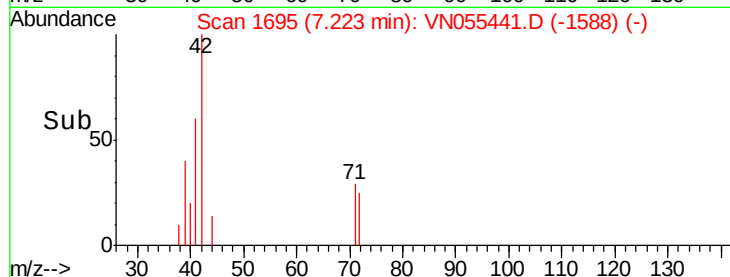
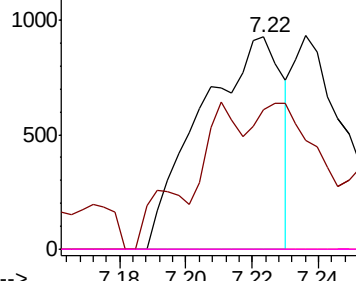


Abundance Ion 41.00 (40.70 to 41.70): VNO

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: 0.379 ug/l

RT: 8.22 min Scan# 2006

Delta R.T. 0.06 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

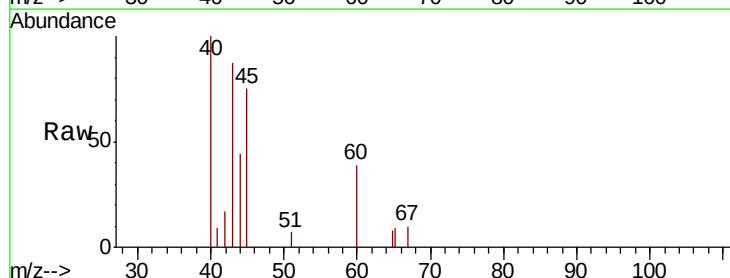
Tgt Ion: 43 Resp: 3241

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

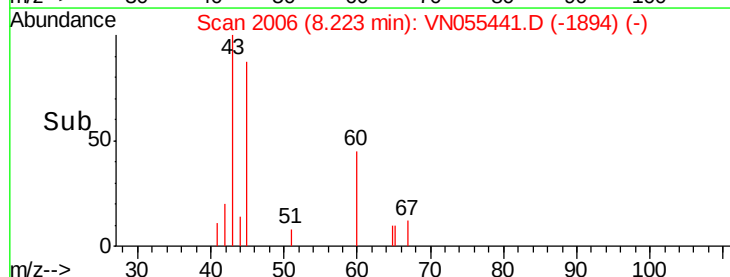
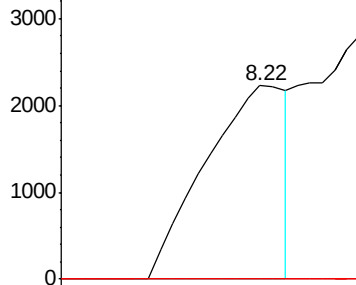
87 0.0 8.5 12.7#

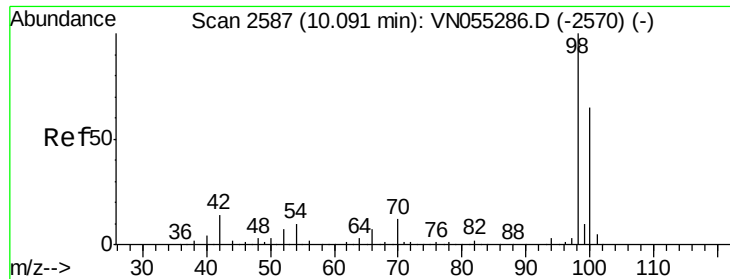


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 49.898 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

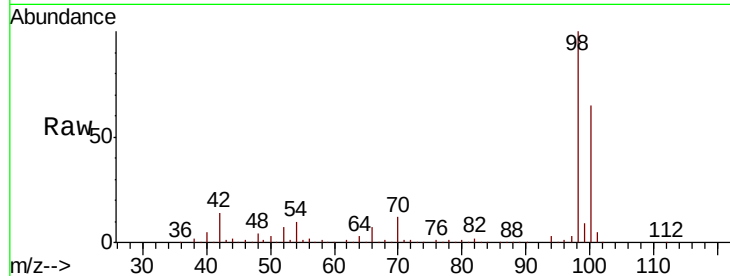
EP1-PZ-W4-5

Tot Ion: 98 Resp: 858191

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055286.D (-2570) (-)

10.09

400000

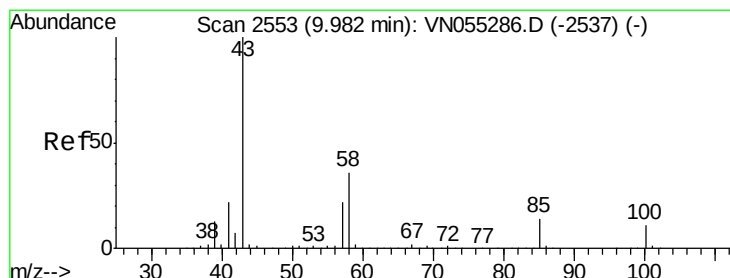
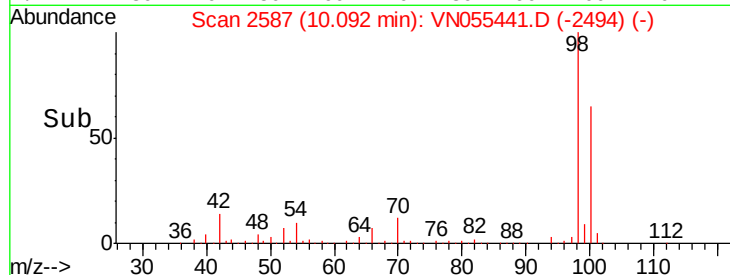
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.231 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN055441.D

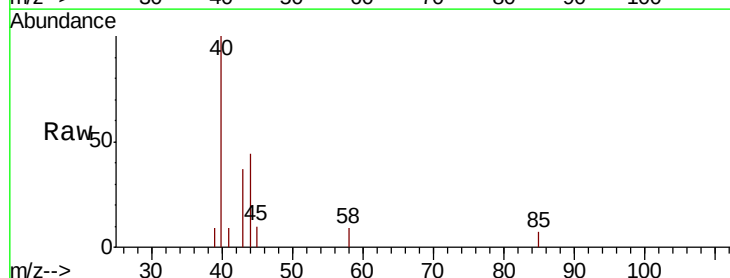
Acq: 7 May 2019 16:44

Tgt Ion: 43 Resp: 1112

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2537) (-)

9.99

1000

800

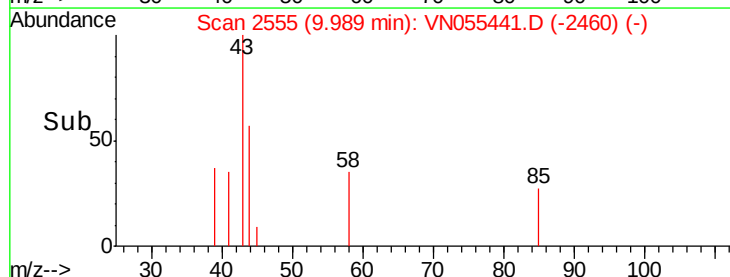
600

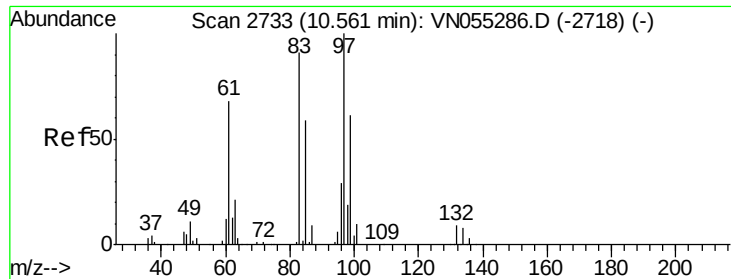
400

200

0

Time-->

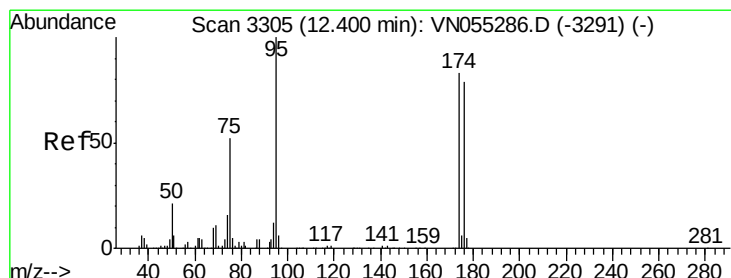
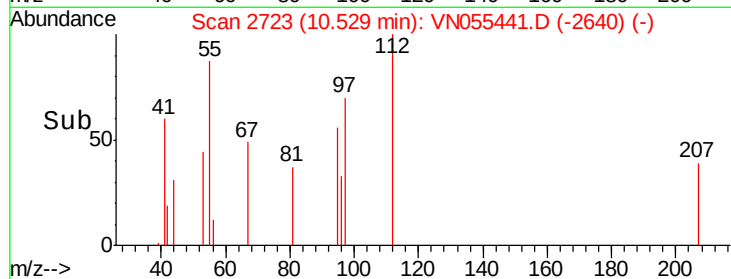
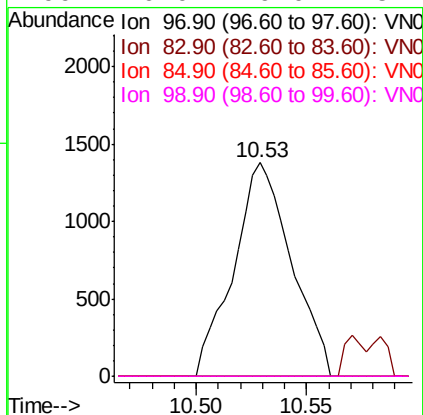
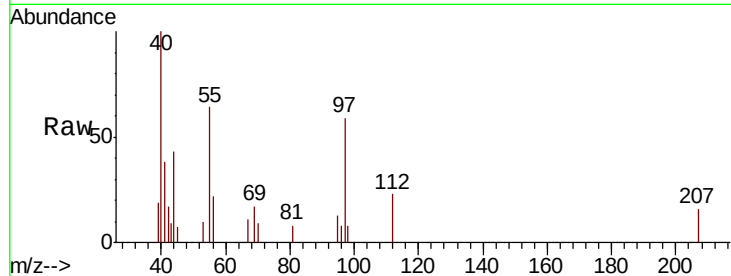




#55
 1,1,2-Trichloroethane
 Concen: 0.575 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.03 min
 Lab File: VN055441.D
 Acq: 7 May 2019 16:44

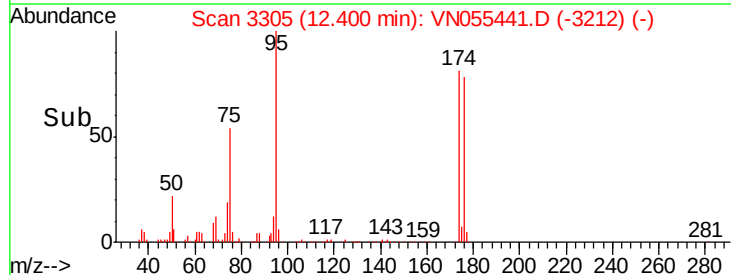
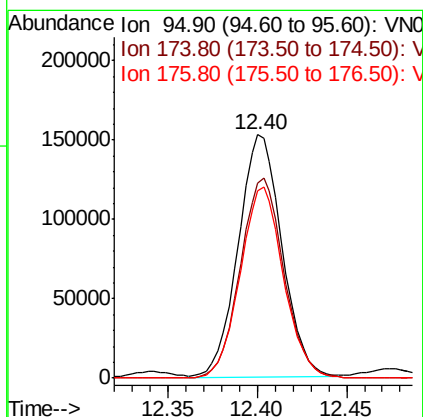
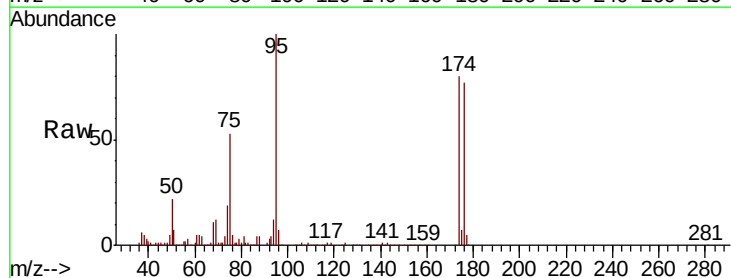
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-W4-5

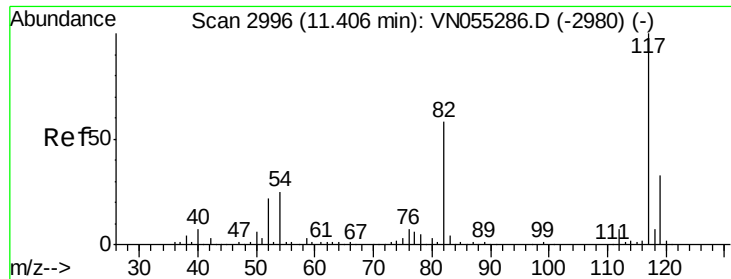
Tot Ion:	97	Resp:	2511
Ion	Ratio	Lower	Upper
97	100		
83	0.0	72.8	109.2#
85	0.0	47.0	70.6#
99	0.0	49.0	73.4#



#62
 4-Bromofluorobenzene
 Concen: 48.491 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055441.D
 Acq: 7 May 2019 16:44

Tgt Ion:	95	Resp:	260654
Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	166.6
176	78.4	0.0	157.8

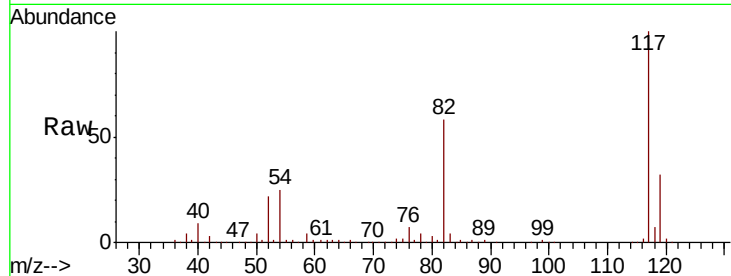




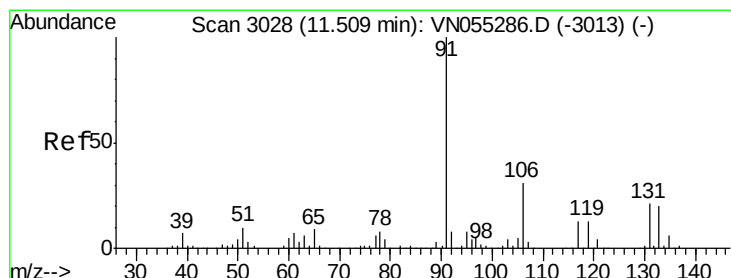
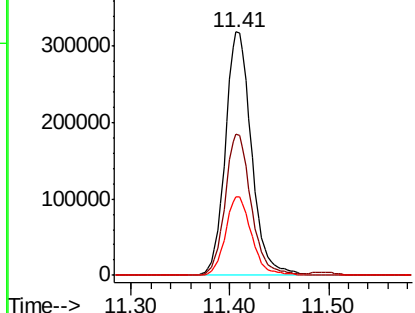
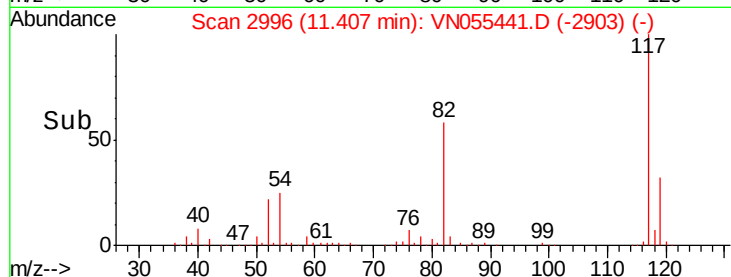
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055441.D
Acq: 7 May 2019 16:44

Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-W4-5

Tot Ion:117 Resp: 588529
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 32.4 26.6 40.0

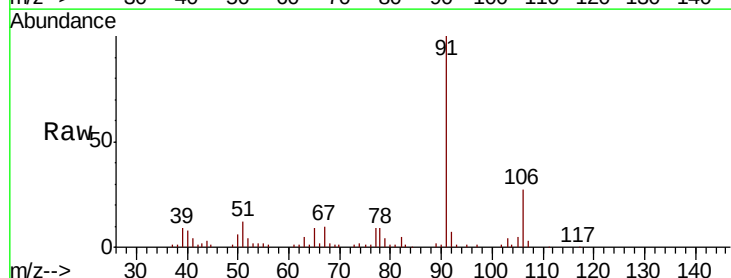


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

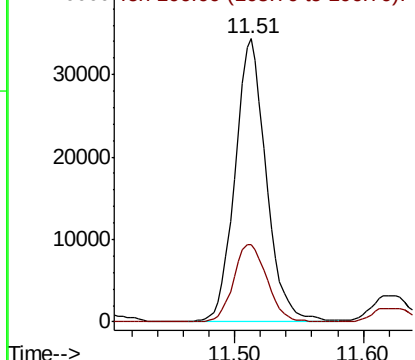
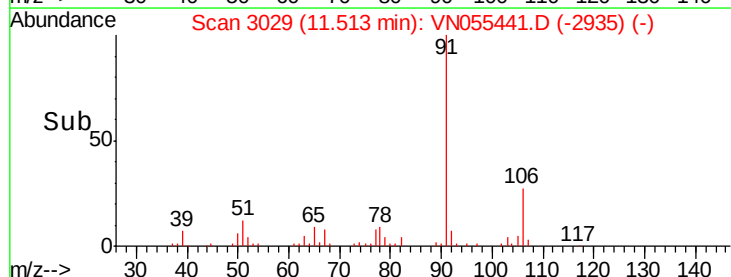


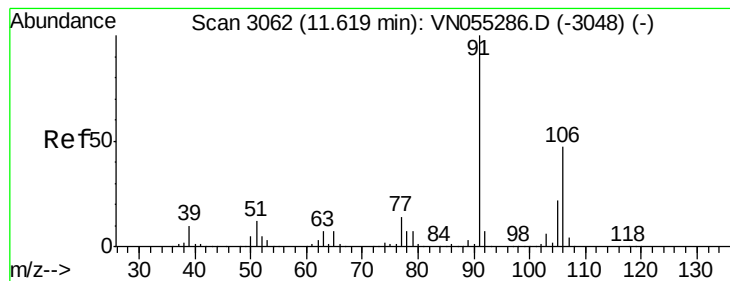
#67
Ethyl Benzene
Concen: 2.780 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055441.D
Acq: 7 May 2019 16:44

Tgt Ion: 91 Resp: 57773
Ion Ratio Lower Upper
91 100
106 27.3 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.453 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.01 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

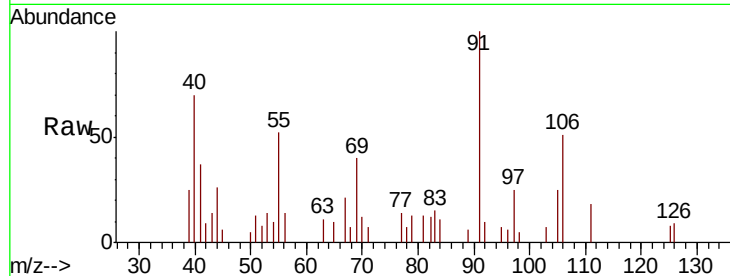
EP1-PZ-W4-5

Tot Ion:106 Resp: 3358

Ion Ratio Lower Upper

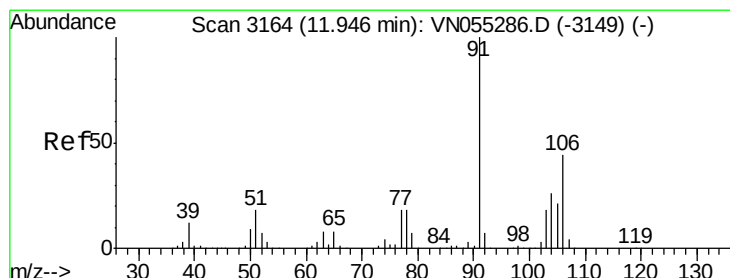
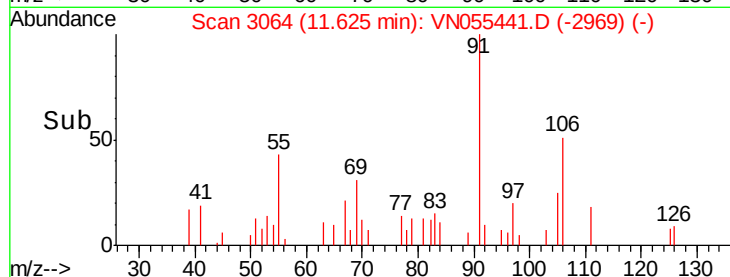
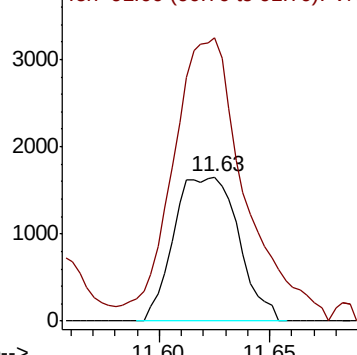
106 100

91 219.9 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 1.114 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055441.D

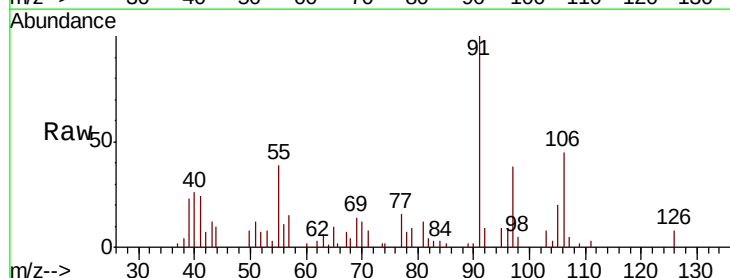
Acq: 7 May 2019 16:44

Tgt Ion:106 Resp: 8188

Ion Ratio Lower Upper

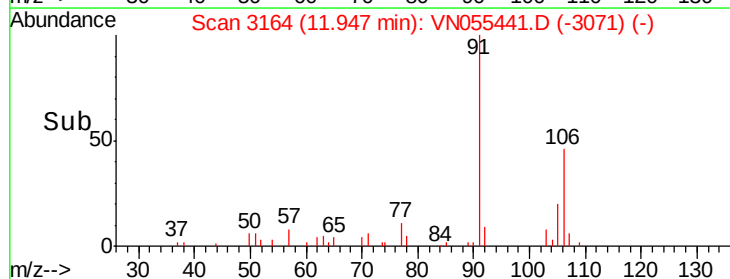
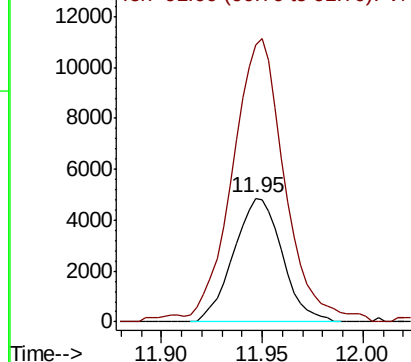
106 100

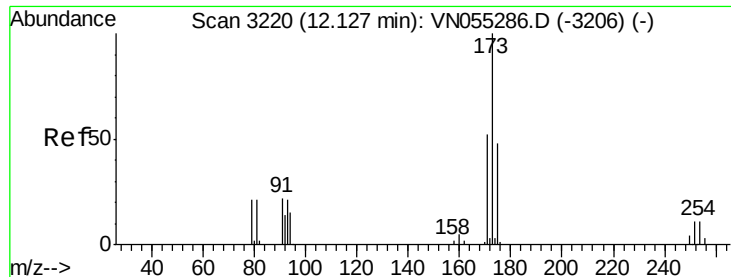
91 249.9 111.5 334.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.506 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-W4-5

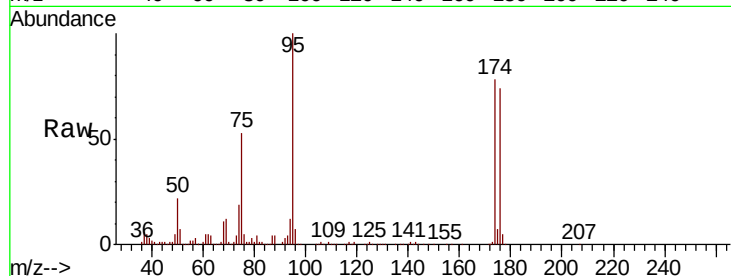
Tot Ion:173 Resp: 1264

Ion Ratio Lower Upper

173 100

175 1212.6 23.6 71.0#

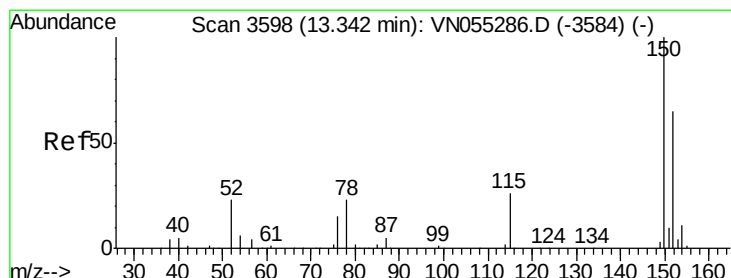
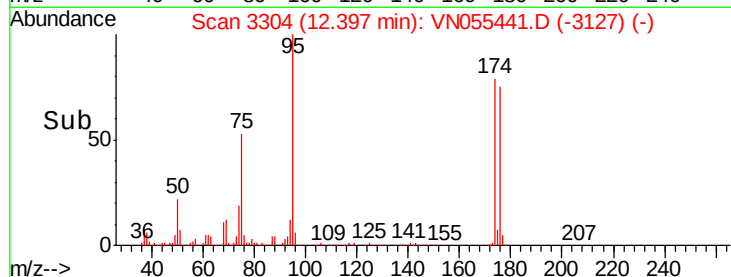
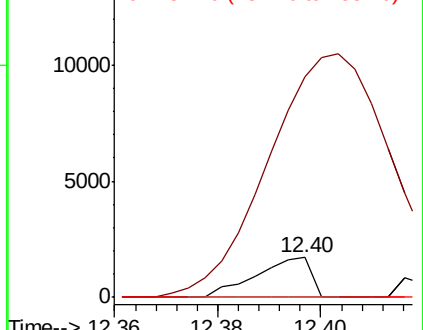
254 0.0 0.0 0.0



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: VN055441.D

Acq: 7 May 2019 16:44

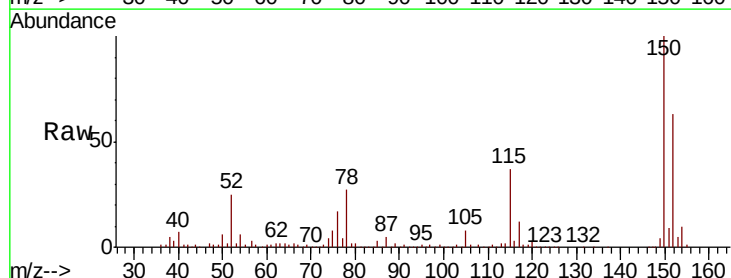
Tgt Ion:152 Resp: 207458

Ion Ratio Lower Upper

152 100

115 73.3 29.0 87.0

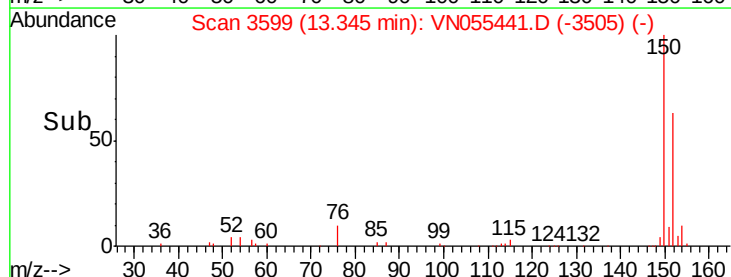
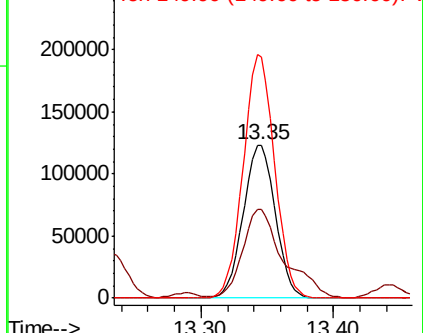
150 155.4 0.0 345.6

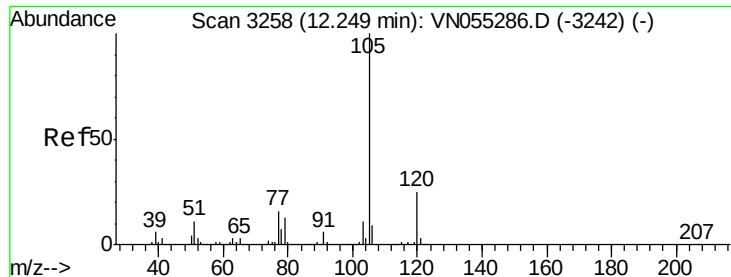


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.294 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

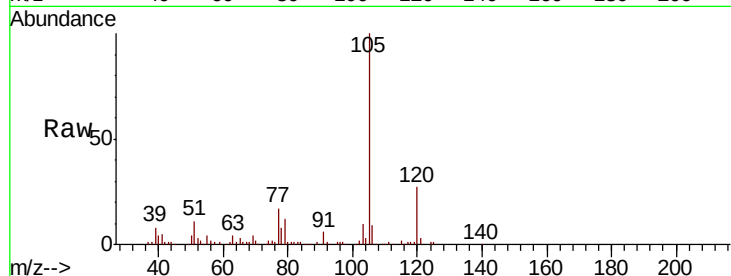
EP1-PZ-W4-5

Tot Ion:105 Resp: 134064

Ion Ratio Lower Upper

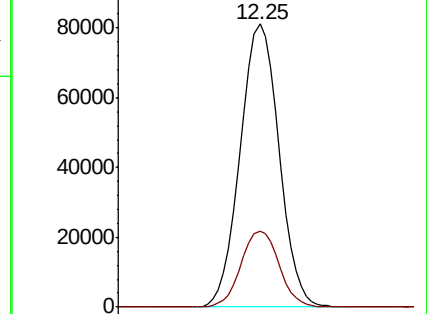
105 100

120 26.4 12.9 38.7

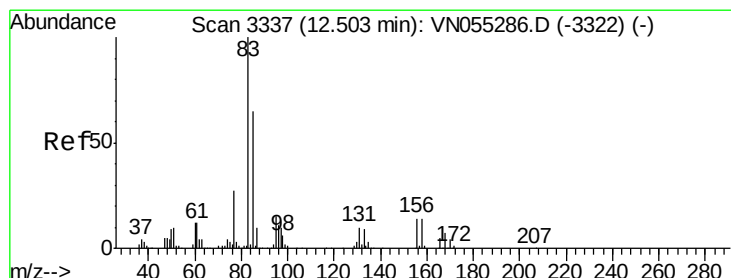
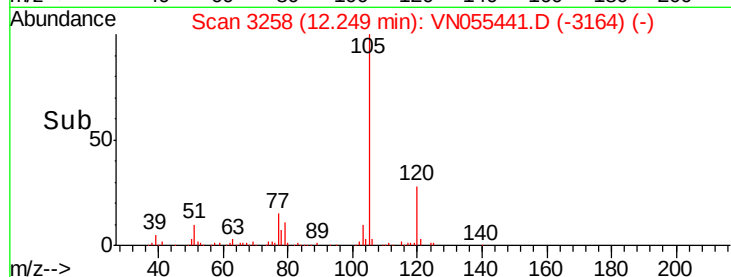


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3327

Delta R.T. -0.03 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

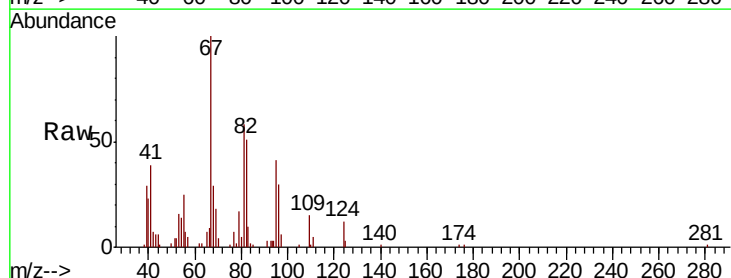
Tgt Ion: 83 Resp: 1549

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

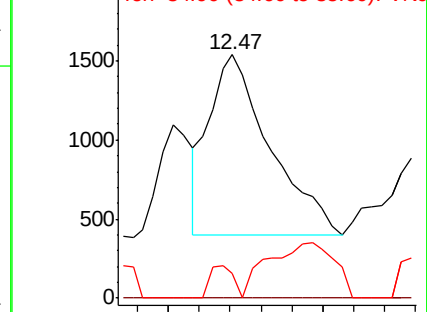
85 6.9 32.3 96.8#



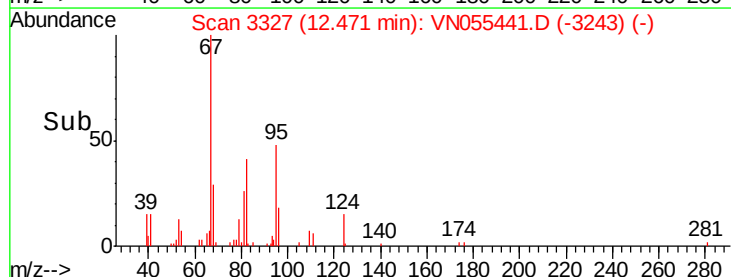
Abundance Ion 82.90 (82.60 to 83.60): VNO

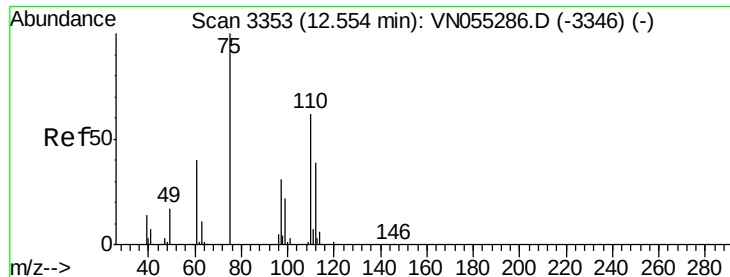
Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO



Time-->





#76

1,2,3-Trichloropropane

Concen: 34.638 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

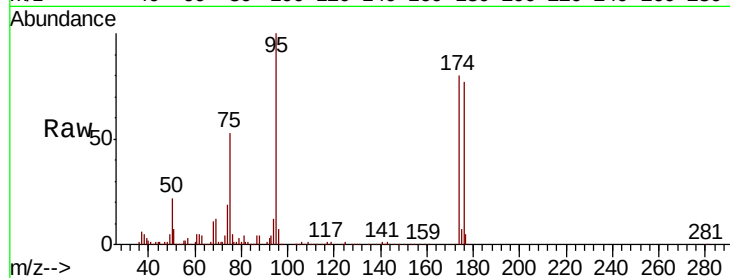
EP1-PZ-W4-5

Tot Ion: 75 Resp: 136550

Ion Ratio Lower Upper

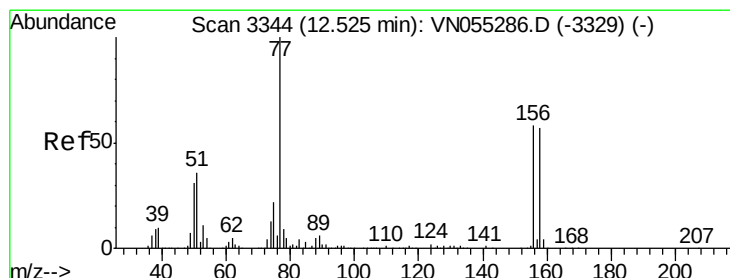
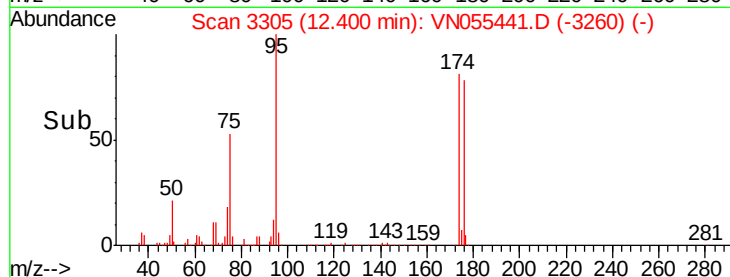
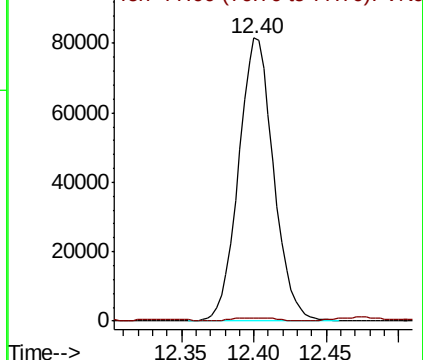
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

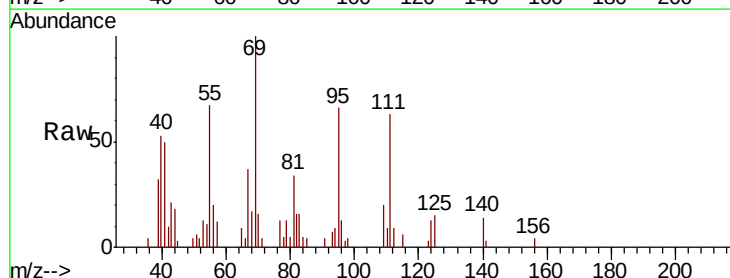
Tgt Ion: 156 Resp: 115

Ion Ratio Lower Upper

156 100

77 0.0 99.6 298.8#

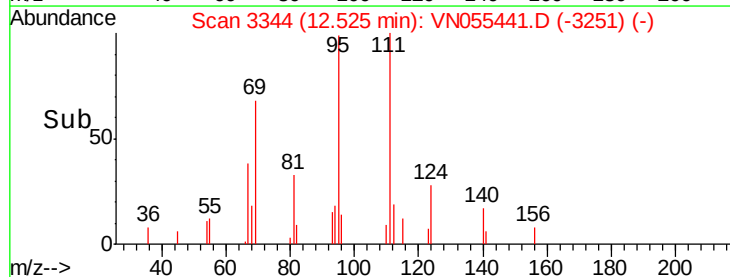
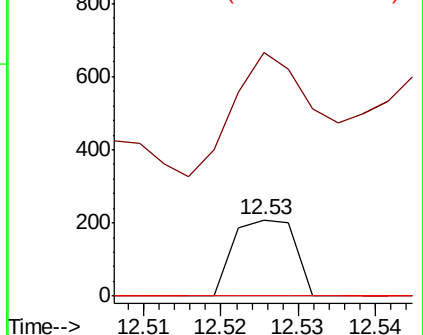
158 0.0 49.3 147.8#

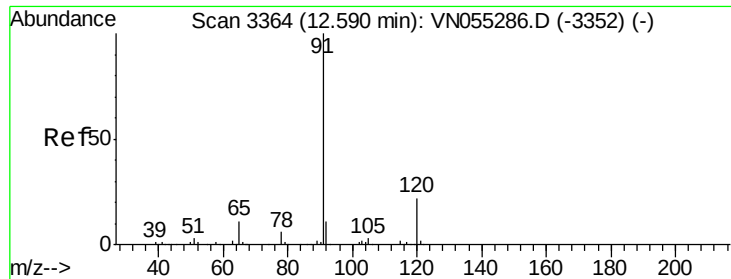


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 11.261 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

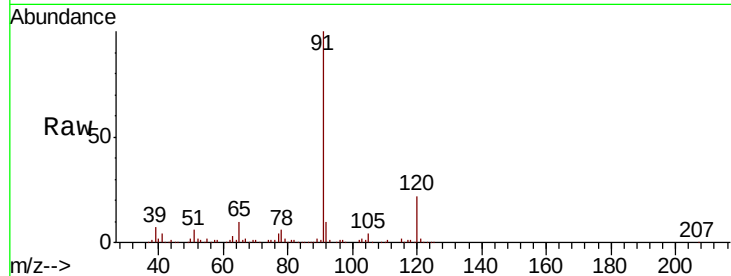
EP1-PZ-W4-5

Tot Ion: 91 Resp: 239979

Ion Ratio Lower Upper

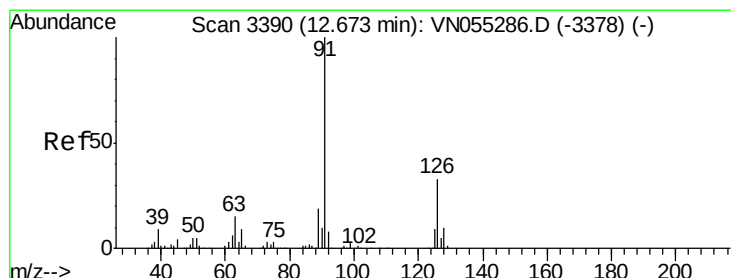
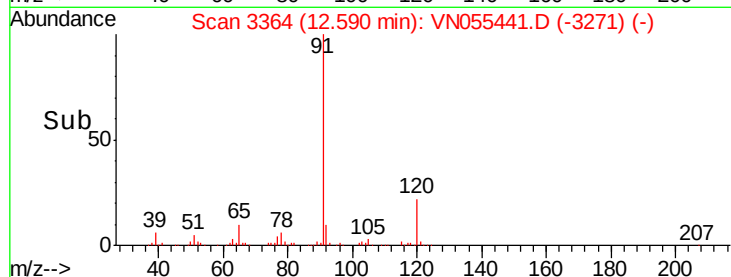
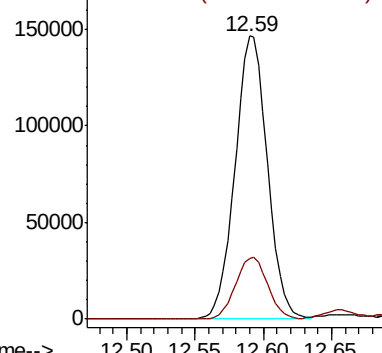
91 100

120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 8.785 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.06 min

Lab File: VN055441.D

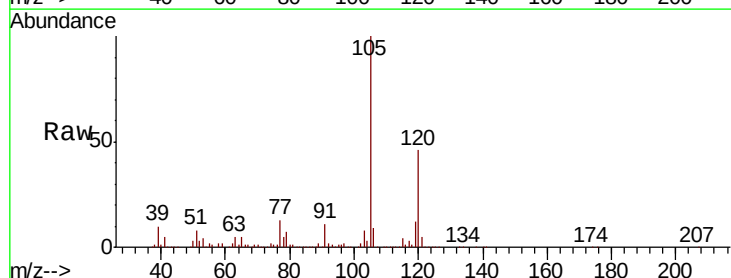
Acq: 7 May 2019 16:44

Tgt Ion: 91 Resp: 123450

Ion Ratio Lower Upper

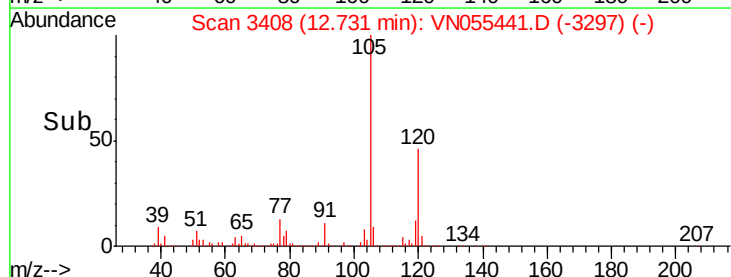
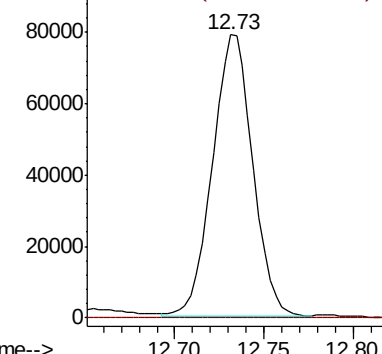
91 100

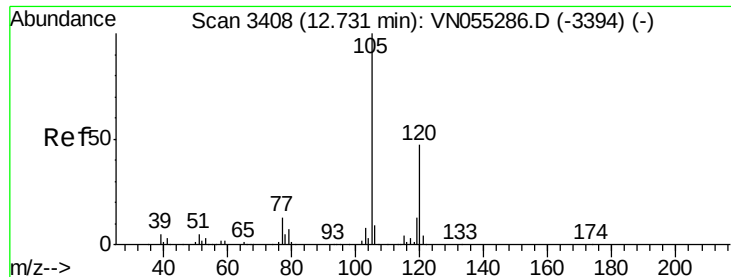
126 0.3 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

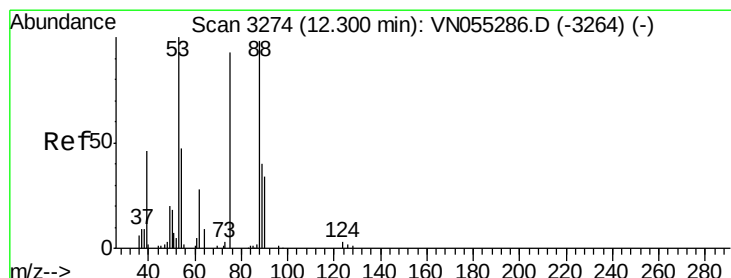
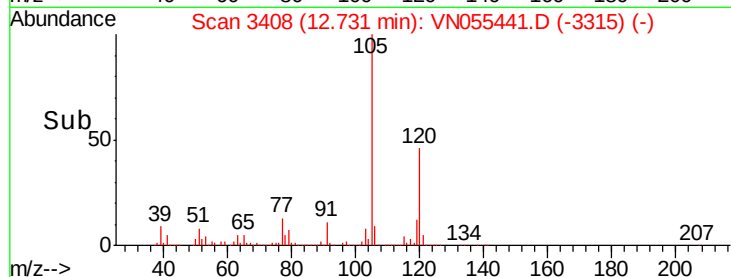
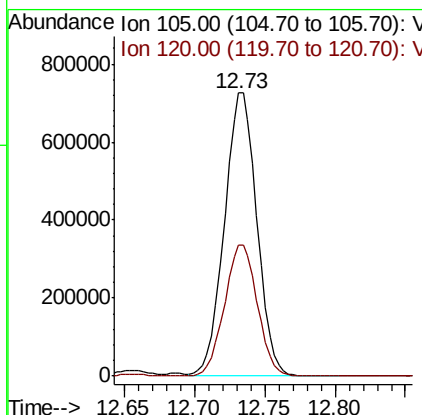
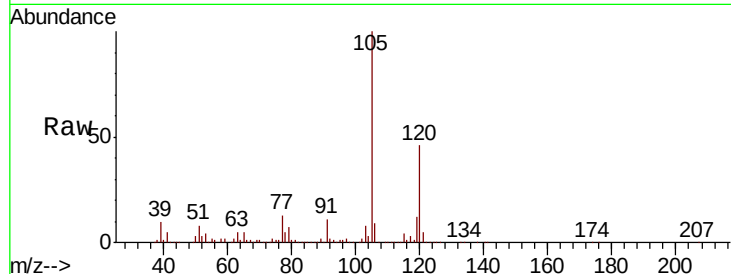




#80
 1,3,5-Trimethylbenzene
 Concen: 71.538 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055441.D
 Acq: 7 May 2019 16:44

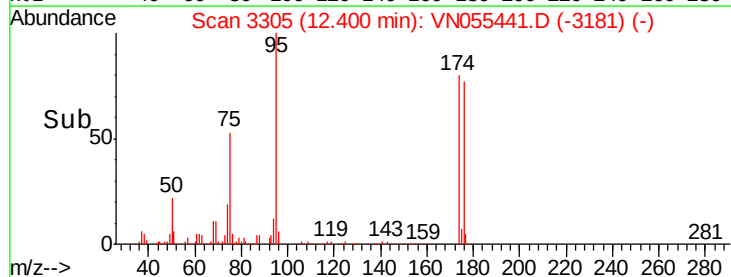
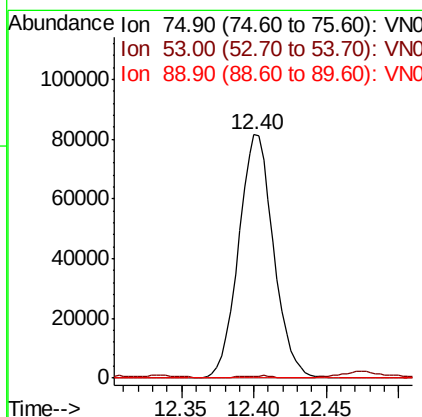
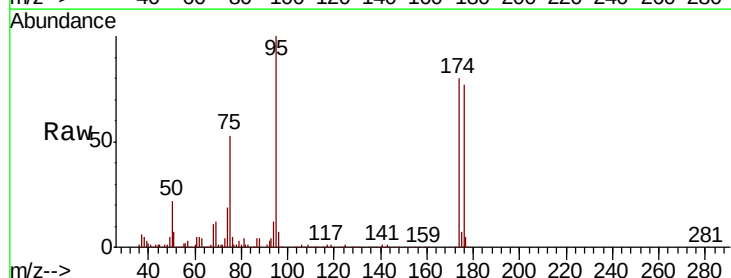
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5

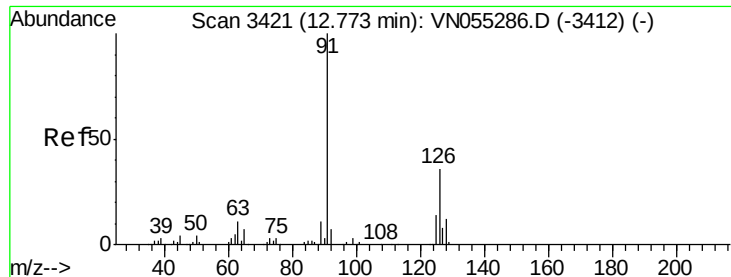
Tot Ion:105 Resp: 1163496
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.734 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055441.D
 Acq: 7 May 2019 16:44

Tgt Ion: 75 Resp: 136550
 Ion Ratio Lower Upper
 75 100
 53 0.4 86.3 129.5#
 89 0.0 34.6 51.8#





#82

4-Chlorotoluene

Concen: 9.963 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

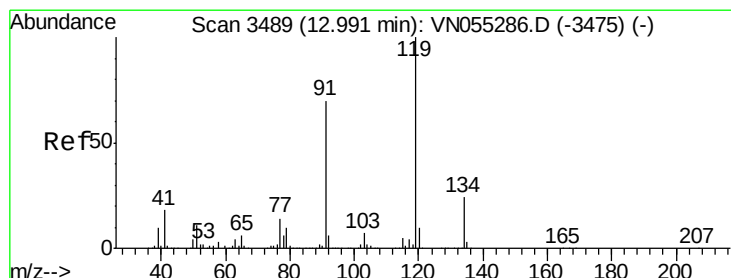
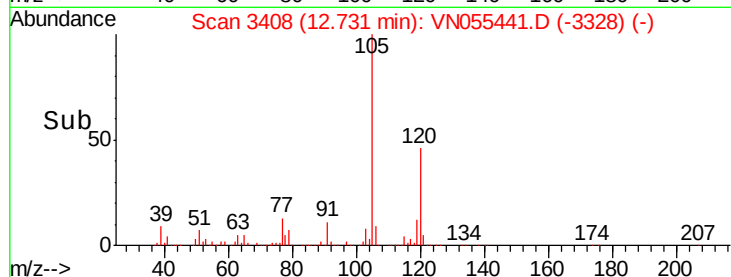
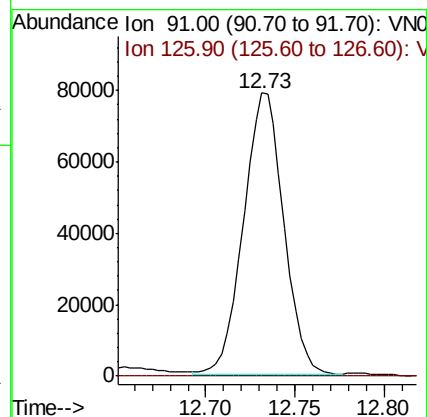
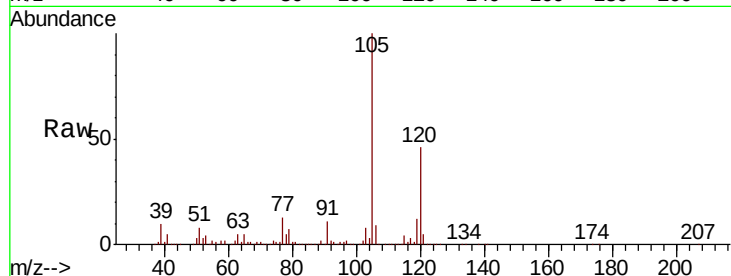
EP1-PZ-W4-5

Tot Ion: 91 Resp: 123450

Ion Ratio Lower Upper

91 100

126 0.3 16.6 49.7#



#83

tert-Butylbenzene

Concen: 7.355 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

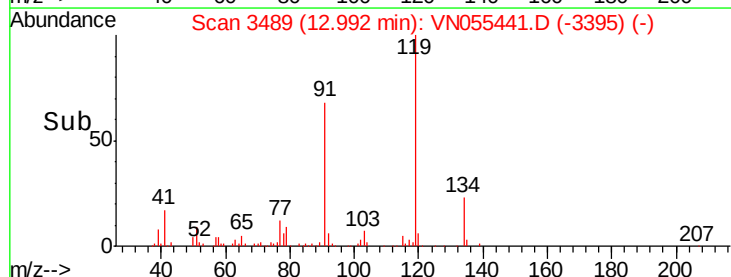
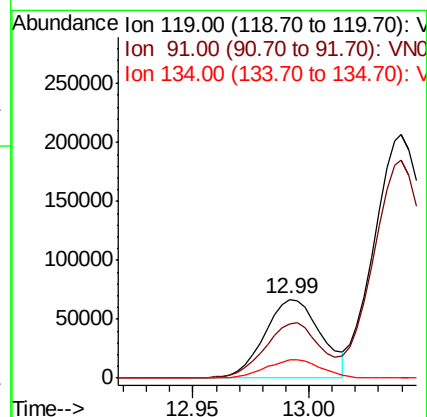
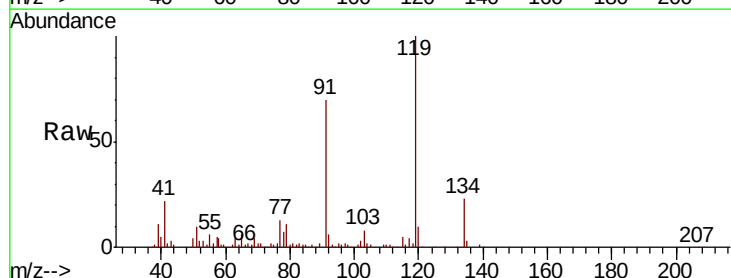
Tgt Ion: 119 Resp: 113247

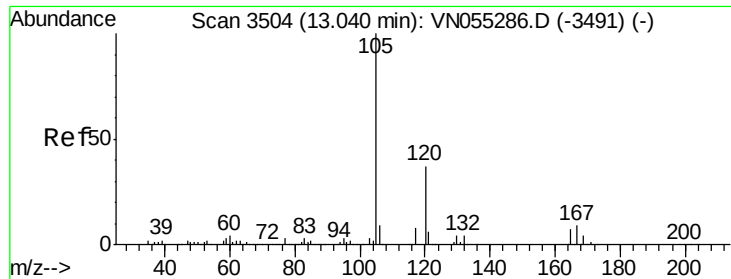
Ion Ratio Lower Upper

119 100

91 67.9 34.3 102.9

134 23.3 13.1 39.3





#84

1,2,4-Trimethylbenzene

Concen: 189.958 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

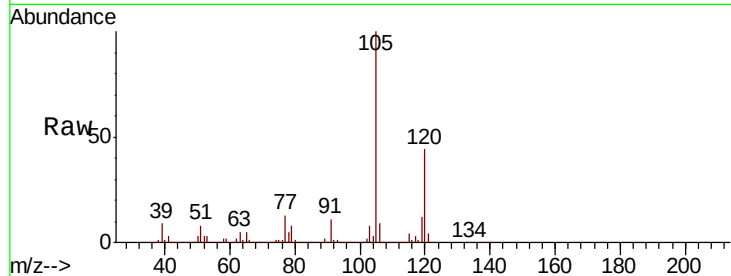
EP1-PZ-W4-5

Tot Ion:105 Resp: 2763068

Ion Ratio Lower Upper

105 100

120 44.0 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 120.00 (119.70 to 120.70): V

1500000

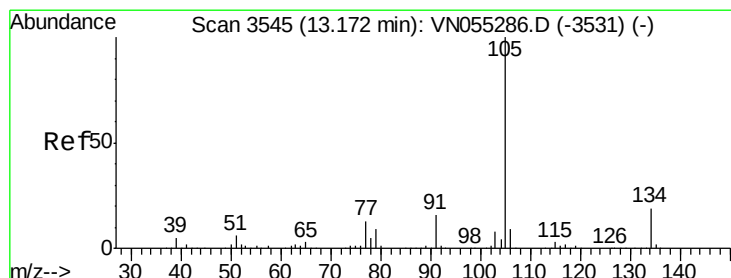
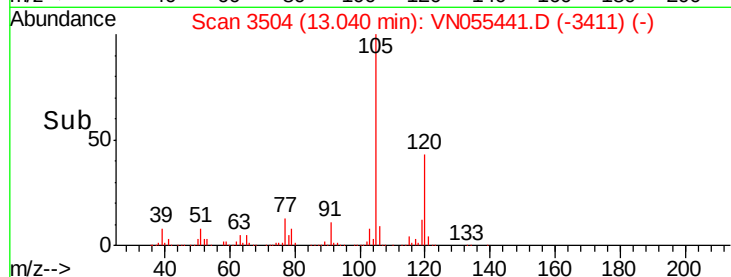
1000000

500000

0

Time--> 12.90 13.00 13.10

13.04



#85

sec-Butylbenzene

Concen: 26.430 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055441.D

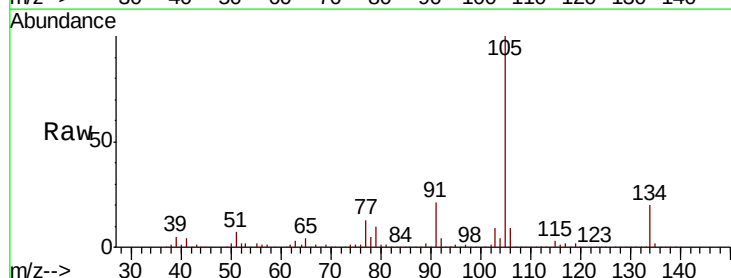
Acq: 7 May 2019 16:44

Tgt Ion:105 Resp: 467218

Ion Ratio Lower Upper

105 100

134 25.8 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

300000 Ion 134.00 (133.70 to 134.70): V

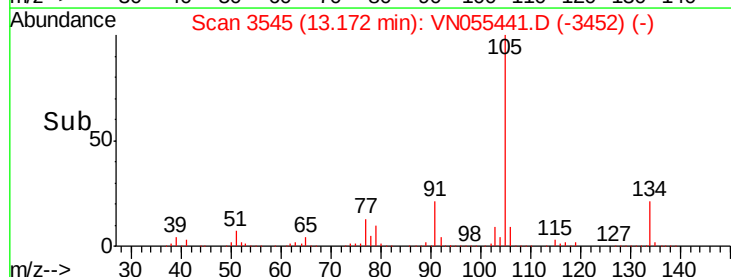
200000

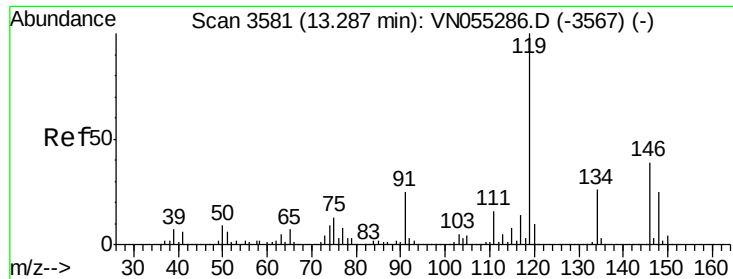
100000

0

Time--> 13.10 13.15 13.20

13.17

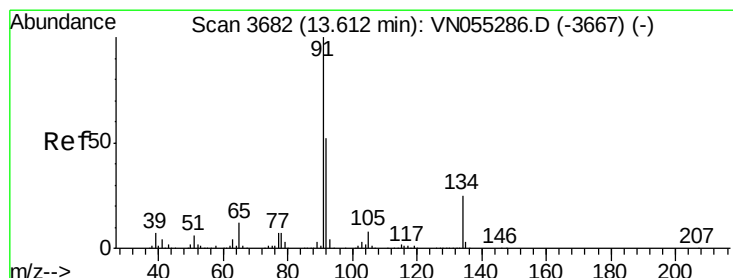
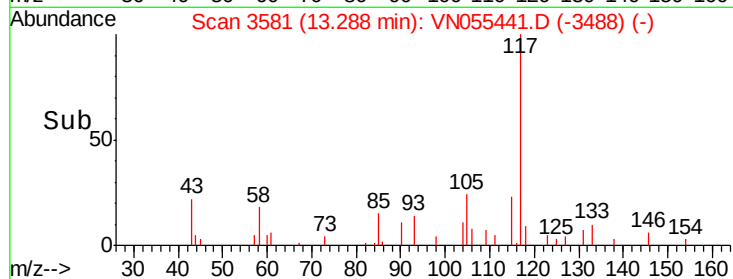
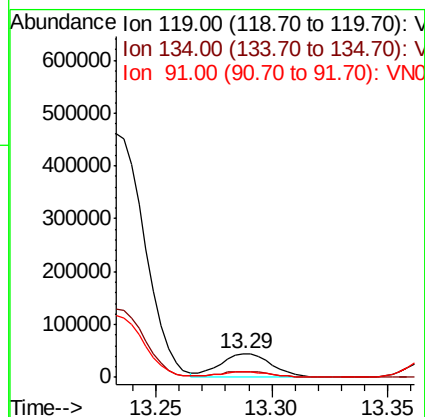
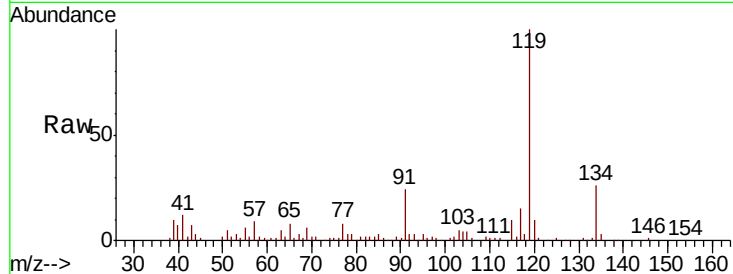




#86
 p-Isopropyltoluene
 Concen: 4.713 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055441.D
 Acq: 7 May 2019 16:44

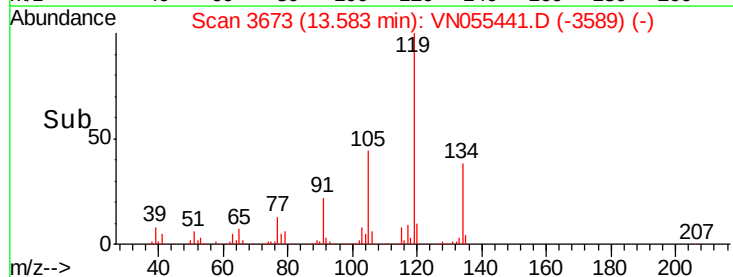
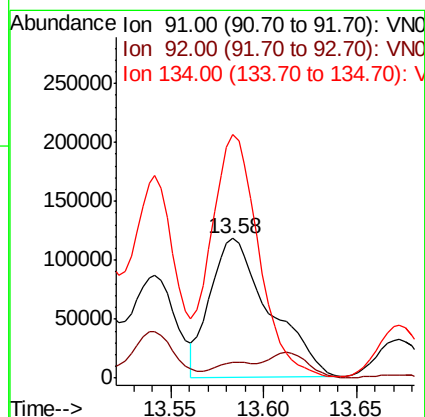
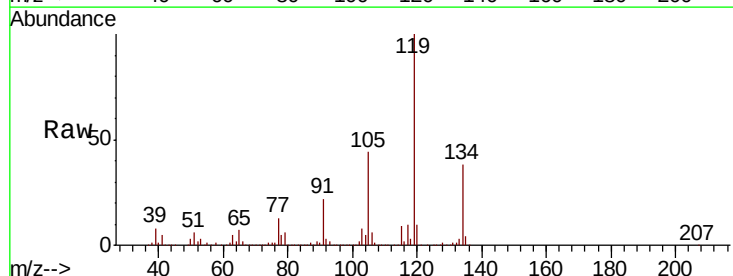
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-W4-5

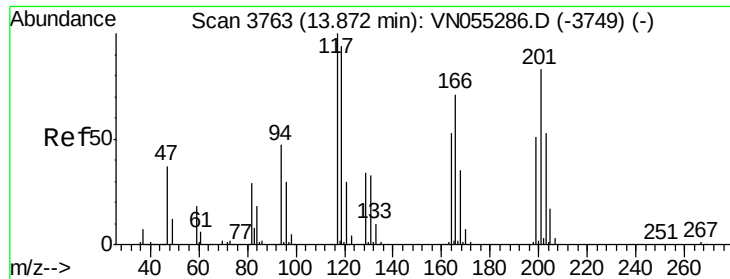
Tot Ion:119 Resp: 68474
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 23.1 12.2 36.6



#89
 n-Butylbenzene
 Concen: 25.457 ug/l
 RT: 13.58 min Scan# 3673
 Delta R.T. -0.03 min
 Lab File: VN055441.D
 Acq: 7 May 2019 16:44

Tgt Ion: 91 Resp: 262823
 Ion Ratio Lower Upper
 91 100
 92 7.7 26.1 78.3#
 134 140.7 12.4 37.4#





#90

Hexachloroethane

Concen: 35.103 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

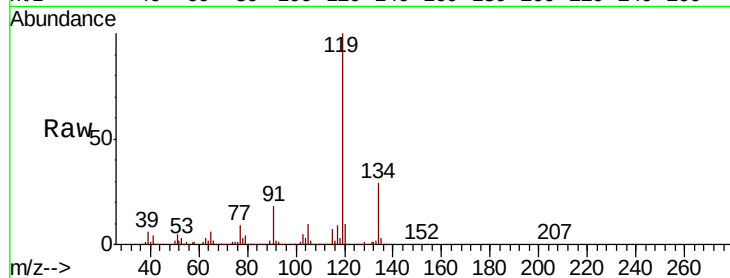
EP1-PZ-W4-5

Tot Ion:117 Resp: 81836

Ion Ratio Lower Upper

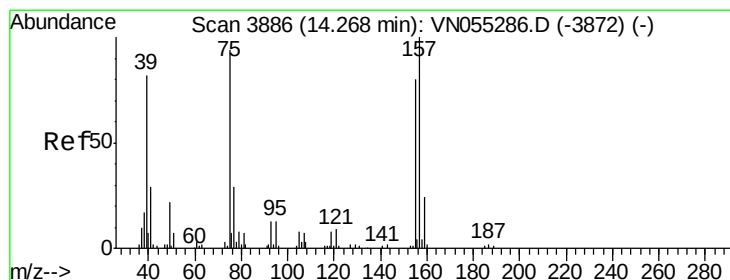
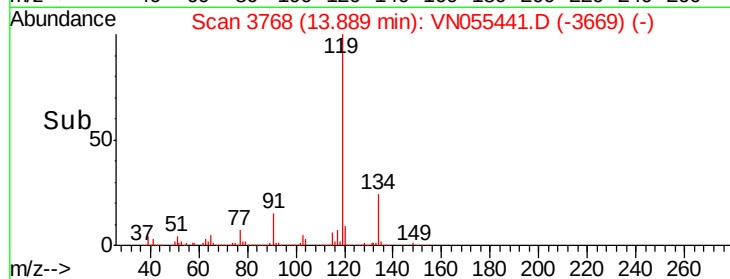
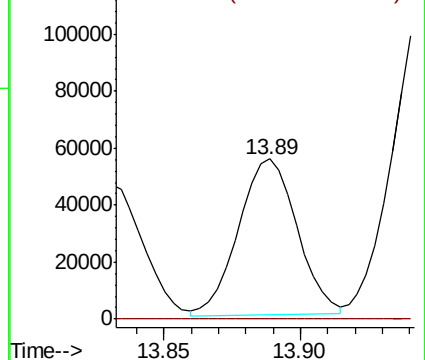
117 100

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.508 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

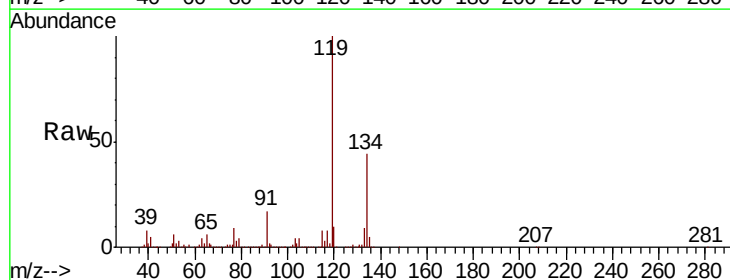
Tgt Ion: 75 Resp: 5735

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

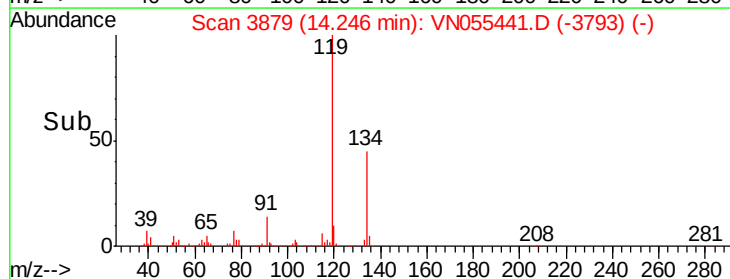
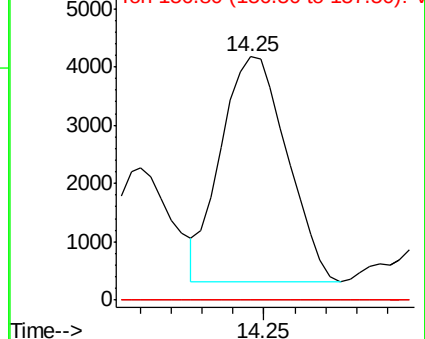
157 0.0 54.0 162.2#

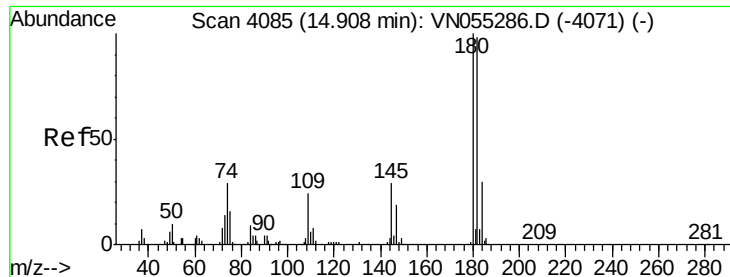


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

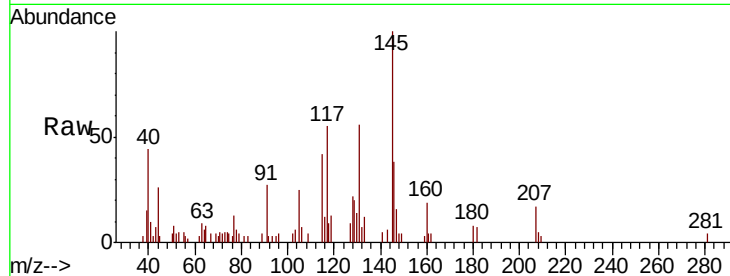




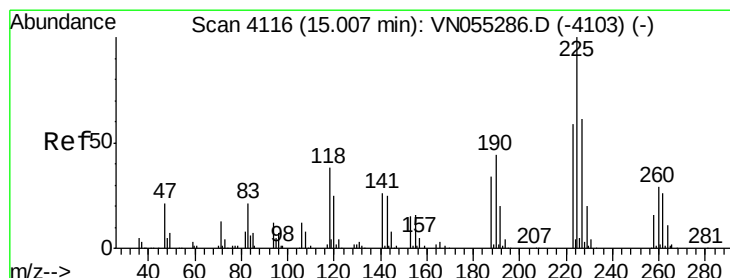
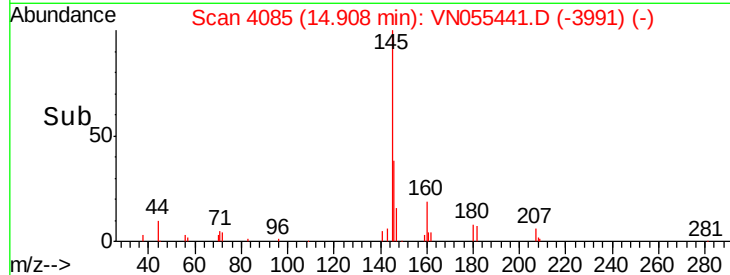
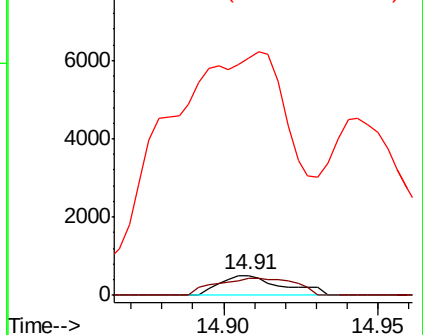
#93
 1,2,4-Trichlorobenzene
 Concen: 3.552 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055441.D
 Acq: 7 May 2019 16:44

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-W4-5

Tot Ion:180 Resp: 701
 Ion Ratio Lower Upper
 180 100
 182 111.7 48.3 144.9
 145 2636.8 14.2 42.6#

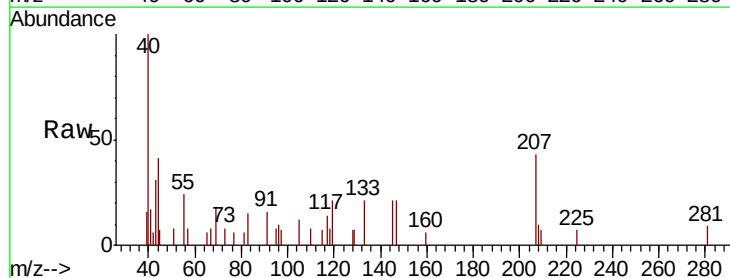


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

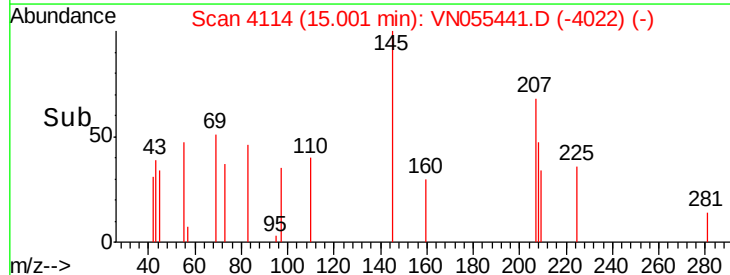
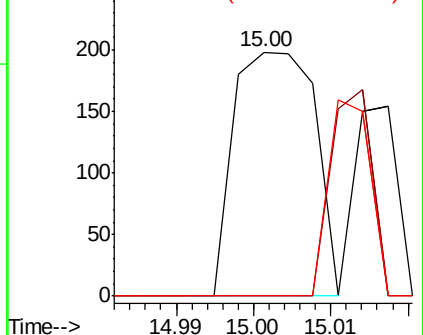


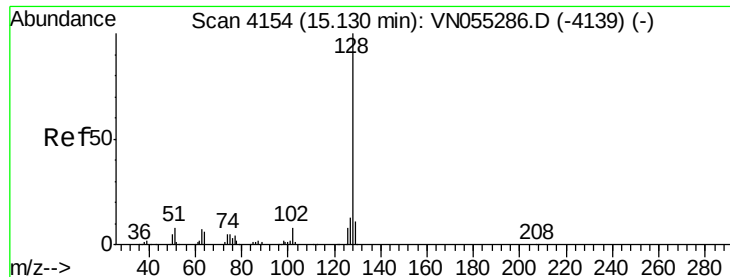
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN055441.D
 Acq: 7 May 2019 16:44

Tgt Ion:225 Resp: 144
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.3 90.8#
 227 0.0 30.9 92.7#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.601 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5

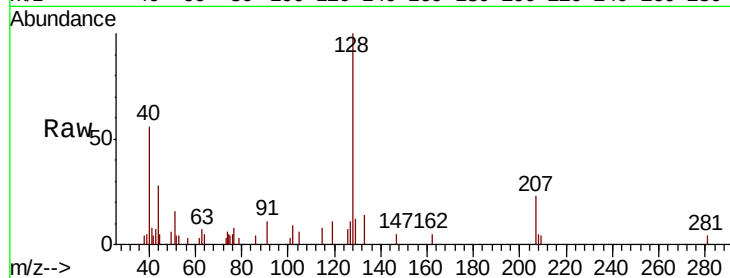
Tot Ion:128 Resp: 7865

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

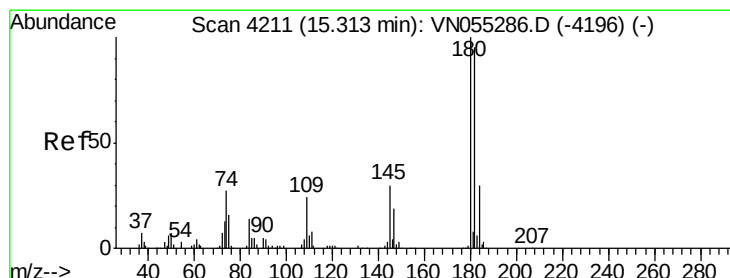
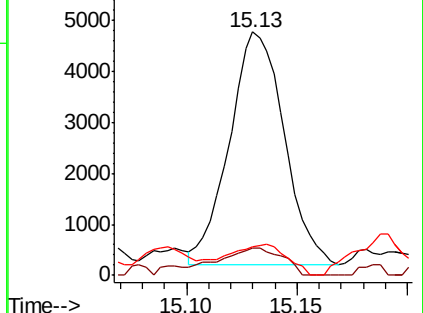
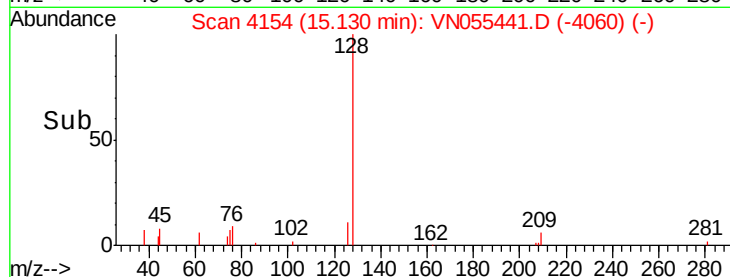
129 13.0 8.6 13.0#



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: 2.933 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.01 min

Lab File: VN055441.D

Acq: 7 May 2019 16:44

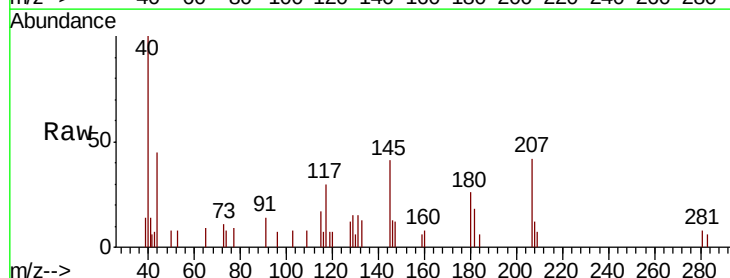
Tgt Ion:180 Resp: 903

Ion Ratio Lower Upper

180 100

182 100.8 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

