

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
 Data File : VN055460.D
 Acq On : 8 May 2019 1:35
 Operator : JC/SP
 Sample : K2717-07
 Misc : 5.60g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-0206-01

Quant Time: May 08 05:56:12 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	450398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	705543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	191472	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	294326	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	7.59	113	218347	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
50) Toluene-d8	10.09	98	830043	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	252577	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	

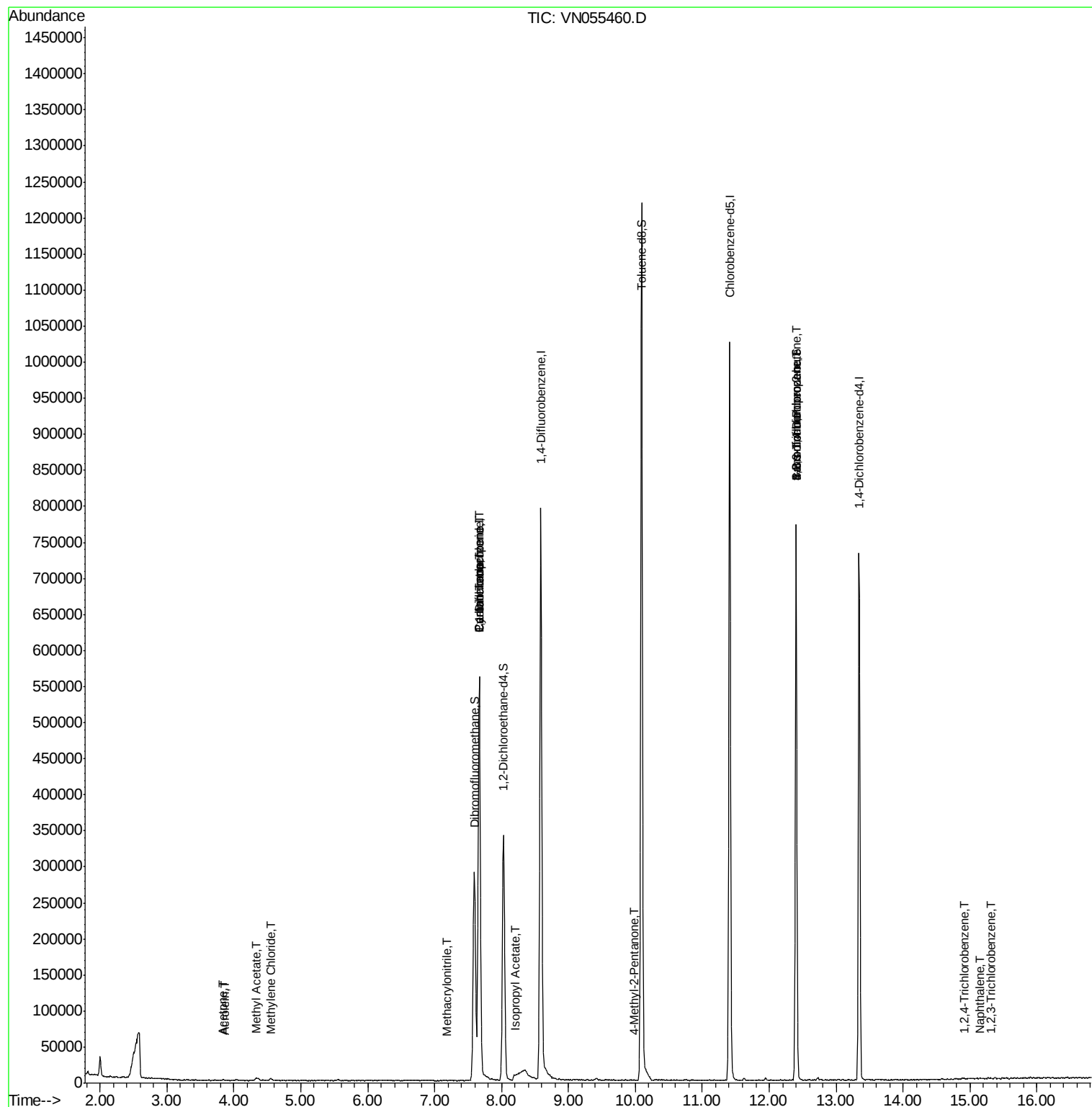
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.87	56	61	0.232	ug/l #	14
16) Acetone	3.84	43	637	0.347	ug/l #	19
18) Methyl Acetate	4.34	43	6602	0.450	ug/l #	63
20) Methylene Chloride	4.56	84	1426	0.254	ug/l #	74
31) Cyclohexane	7.67	56	10051	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	36209	5.358	ug/l #	50
38) Carbon Tetrachloride	7.67	117	43572	6.684	ug/l #	16
41) Methacrylonitrile	7.18	41	126	0.784	ug/l #	23
43) Isopropyl Acetate	8.20	43	5379	0.646	ug/l #	56
51) 4-Methyl-2-Pentanone	9.99	43	1065	0.227	ug/l #	39
71) Bromoform	12.40	173	2190	0.902	ug/l #	1
73) Isopropylbenzene	12.26	105	313	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	71	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	132560	36.570	ug/l #	100
79) 2-Chlorotoluene	12.68	91	100	Below Cal		93
81) trans-1,4-Dichloro-2-buten	12.40	75	132560	131.199	ug/l #	7
83) tert-Butylbenzene	13.00	119	168	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	14.91	180	384	3.454	ug/l	82
94) Hexachlorobutadiene	15.00	225	31	Below Cal	#	20
95) Naphthalene	15.14	128	887	3.484	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	646	2.861	ug/l #	34

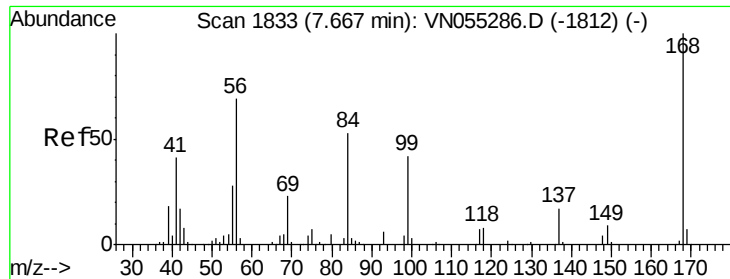
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055460.D

Acq: 8 May 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

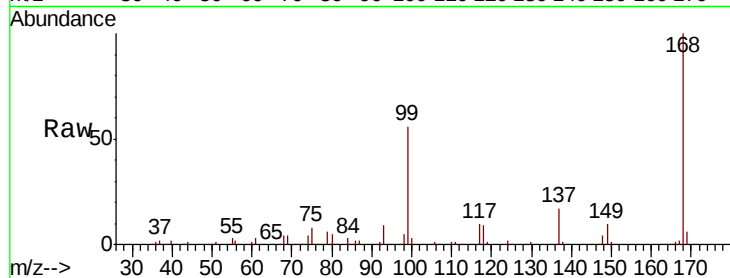
P026-SS002-0206-01

Tot Ion:168 Resp: 450398

Ion Ratio Lower Upper

168 100

99 56.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055460.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055460.D (-1740) (-)

7.67

200000

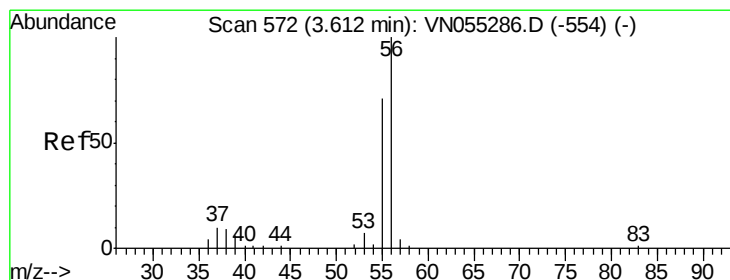
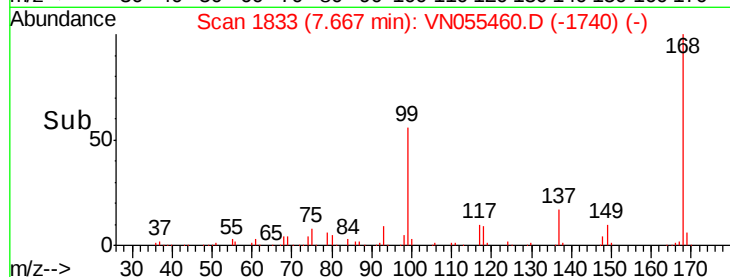
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.232 ug/l

RT: 3.87 min Scan# 653

Delta R.T. 0.26 min

Lab File: VN055460.D

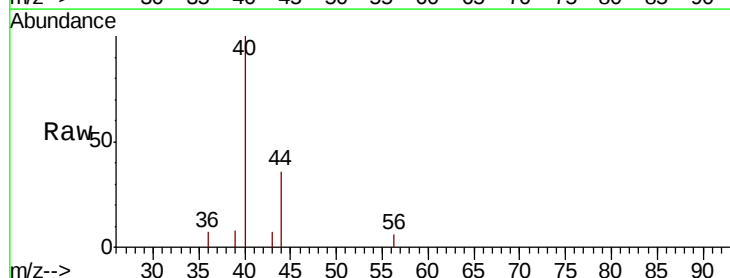
Acq: 8 May 2019 1:35

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VN055460.D (-479) (-)

Ion 55.00 (54.70 to 55.70): VN055460.D (-479) (-)

3.87

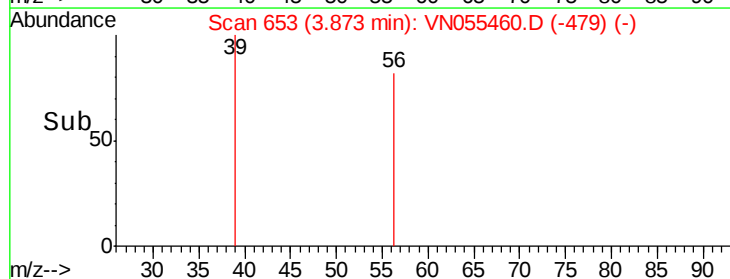
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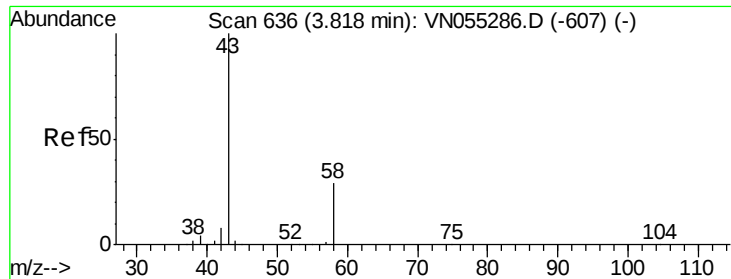
100

50

0

Time-->

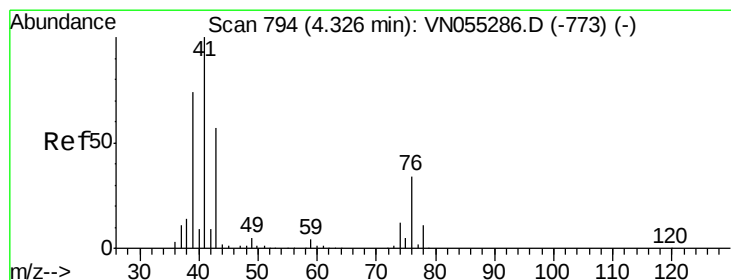
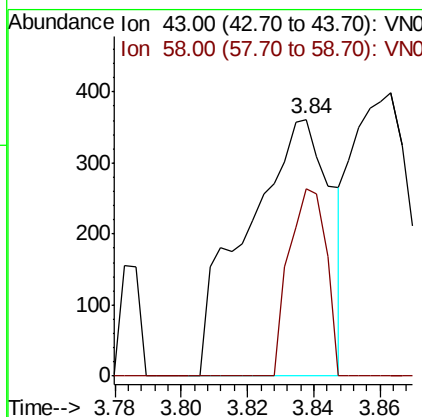
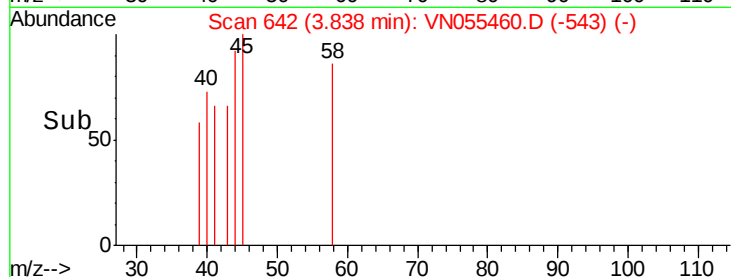
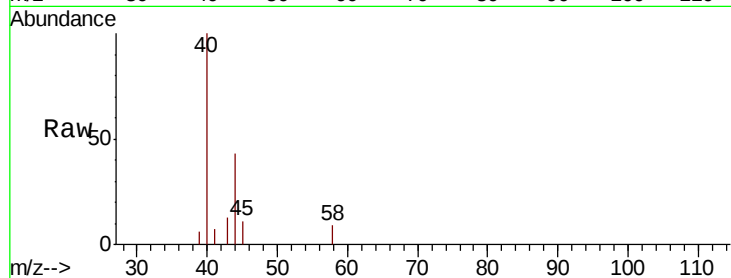




#16
Acetone
Concen: 0.347 ug/l
RT: 3.84 min Scan# 642
Delta R.T. 0.02 min
Lab File: VN055460.D
Acq: 8 May 2019 1:35

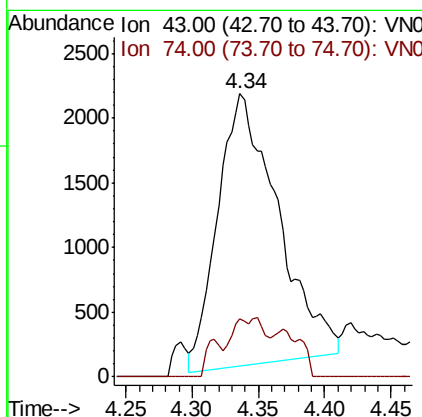
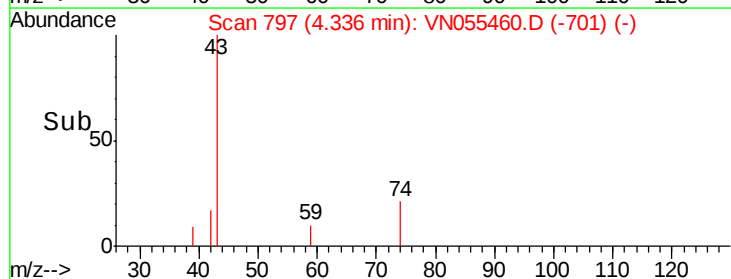
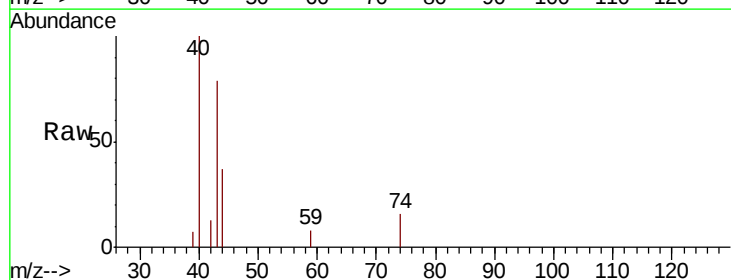
Instrument :
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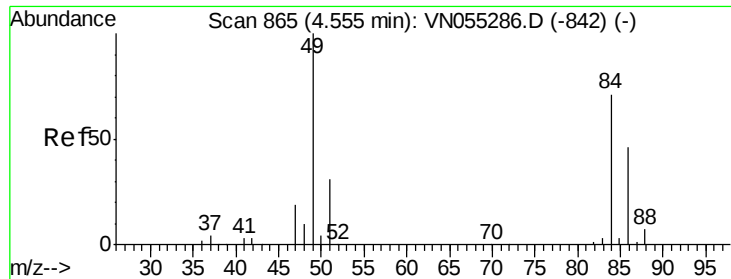
Tot Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
58 72.9 23.6 35.4#



#18
Methyl Acetate
Concen: 0.450 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055460.D
Acq: 8 May 2019 1:35

Tgt Ion: 43 Resp: 6602
Ion Ratio Lower Upper
43 100
74 3.1 15.8 23.8#

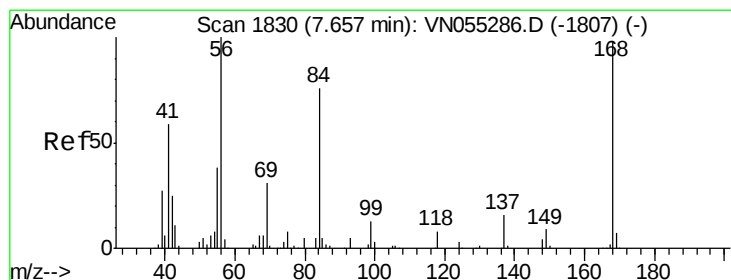
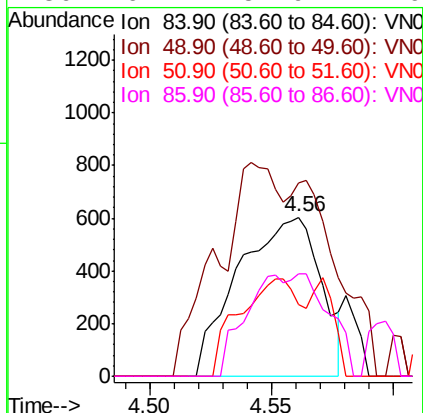
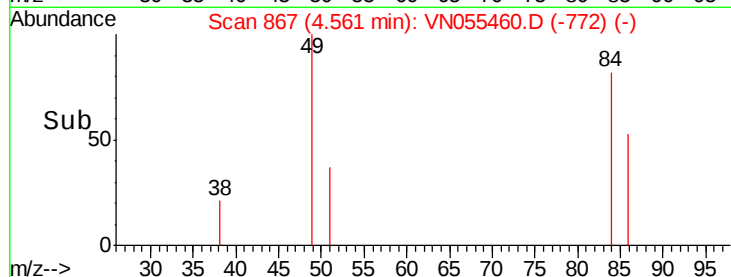
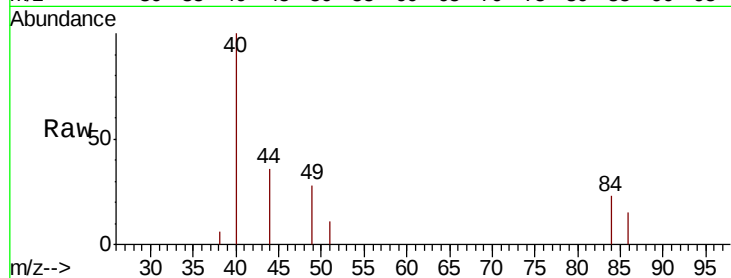




#20
Methvlene Chloride
Concen: 0.254 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN055460.D
Acq: 8 May 2019 1:35

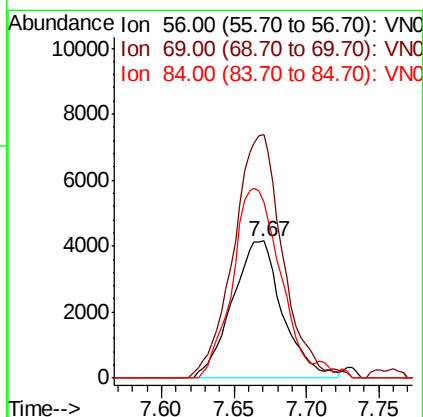
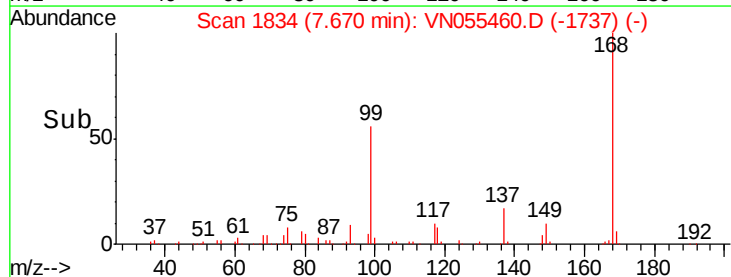
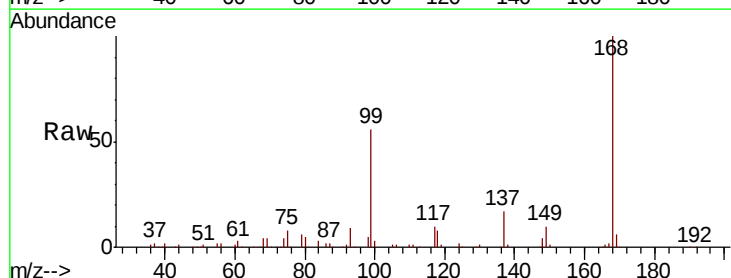
Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-0206-01

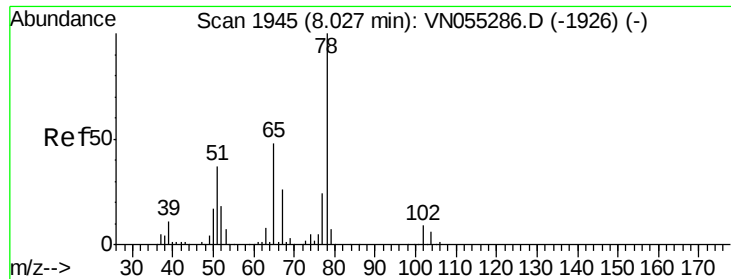
Tot Ion: 84 Resp: 1426
Ion Ratio Lower Upper
84 100
49 85.5 112.4 168.6#
51 45.3 34.6 51.8
86 64.1 51.9 77.9



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN055460.D
Acq: 8 May 2019 1:35

Tgt Ion: 56 Resp: 10051
Ion Ratio Lower Upper
56 100
69 177.7 25.2 37.8#
84 128.2 61.1 91.7#

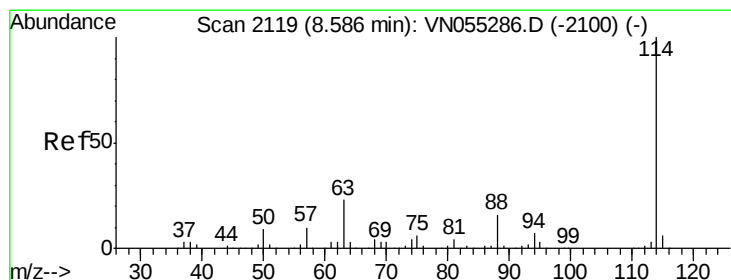
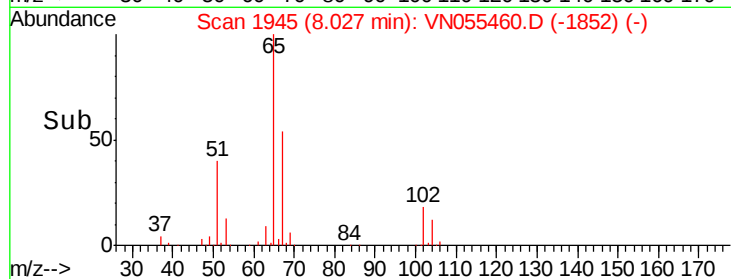
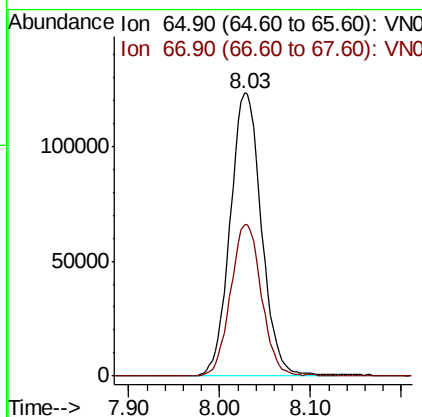
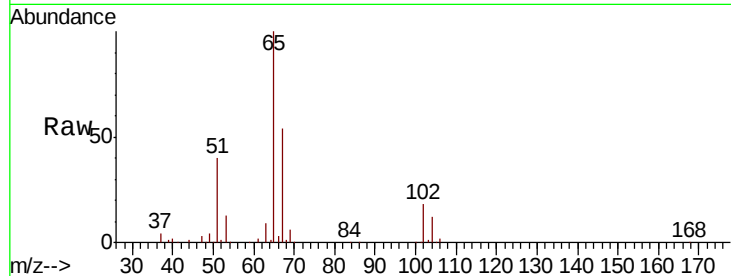




#33
 1,2-Dichloroethane-d4
 Concen: 49.952 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055460.D
 Acq: 8 May 2019 1:35

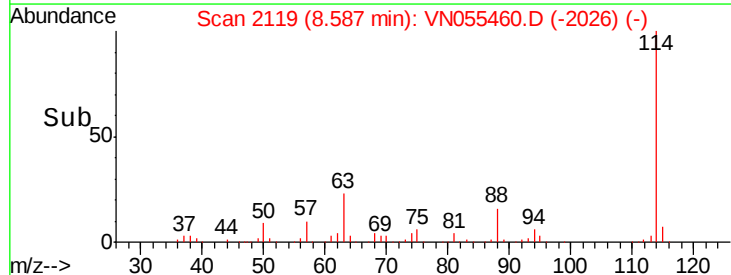
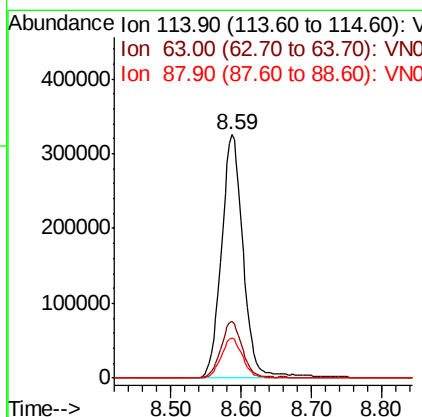
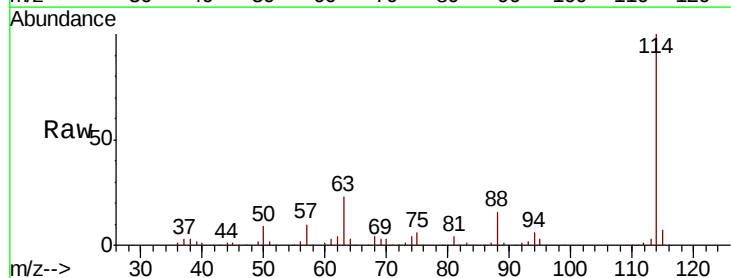
Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-0206-01

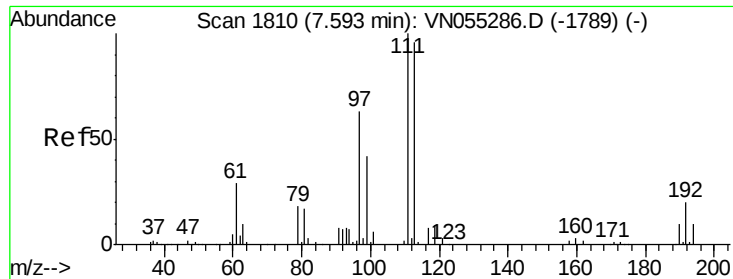
Tot Ion: 65 Resp: 294326
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055460.D
 Acq: 8 May 2019 1:35

Tgt Ion: 114 Resp: 705543
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.2
 88 16.4 0.0 31.6

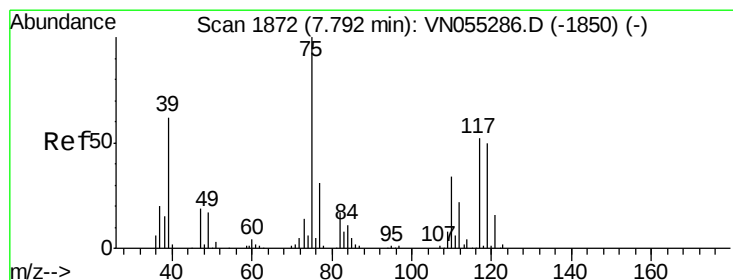
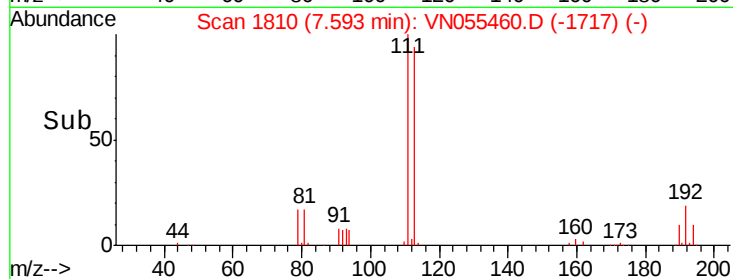
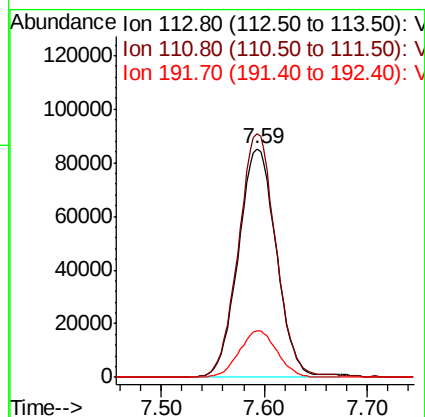
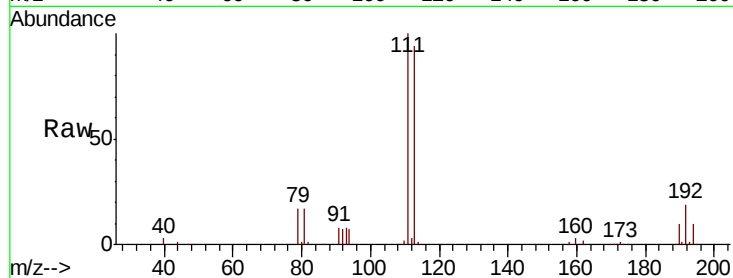




#35
 Dibromofluoromethane
 Concen: 47.150 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055460.D
 Acq: 8 May 2019 1:35

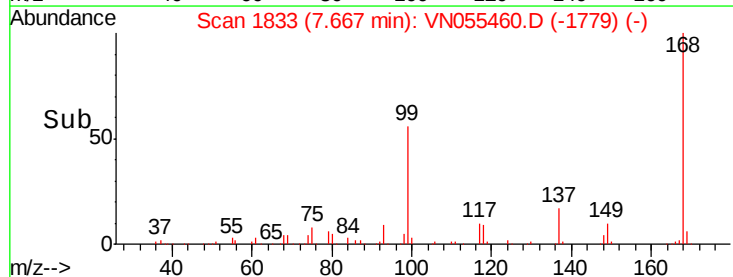
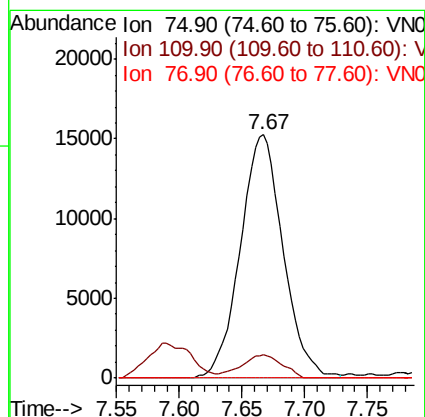
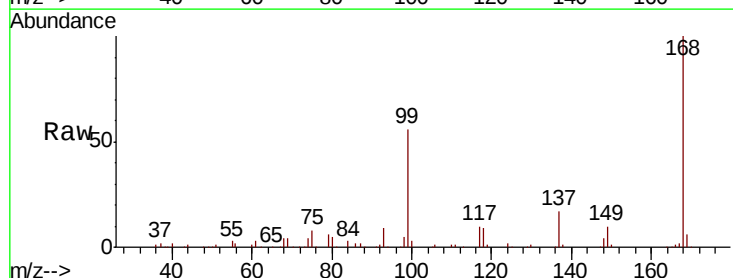
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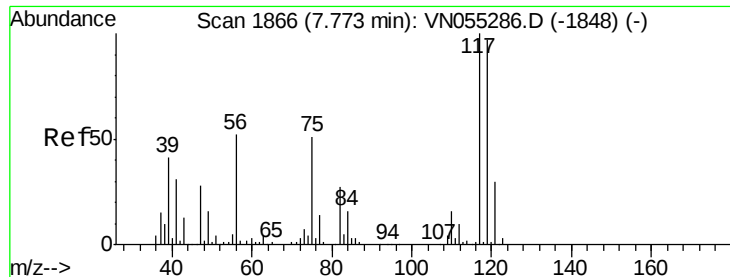
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.3	123.5
192	20.3	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 5.358 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055460.D
 Acq: 8 May 2019 1:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.8	50.4#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.684 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-0206-01

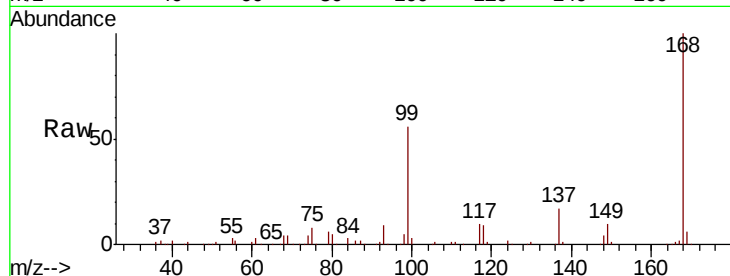
Tot Ion:117 Resp: 43572

Ion Ratio Lower Upper

117 100

119 5.3 77.0 115.6#

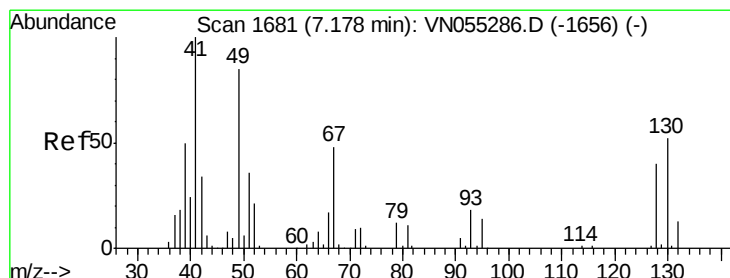
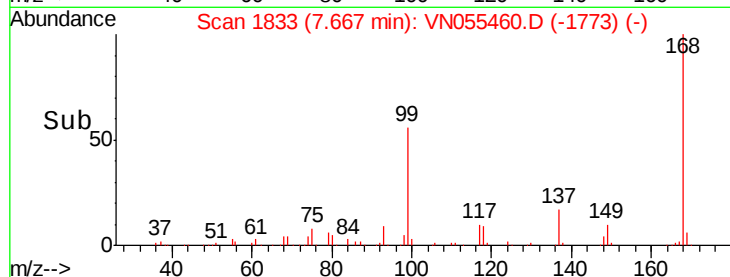
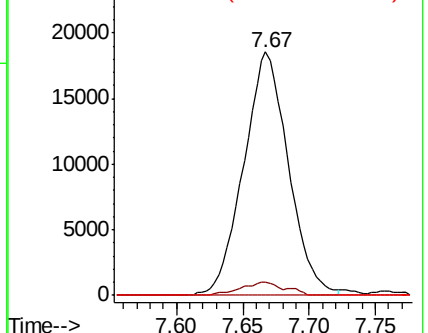
121 0.0 23.8 35.8#



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: 0.784 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

Tgt Ion: 41 Resp: 126

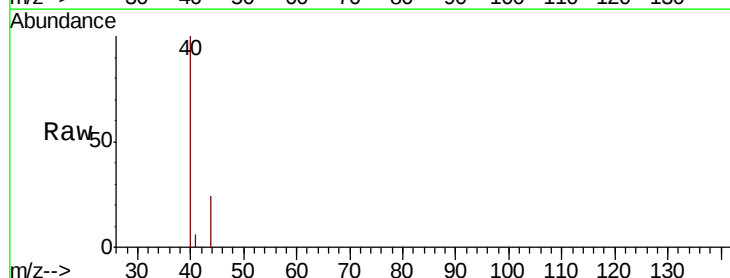
Ion Ratio Lower Upper

41 100

39 0.0 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

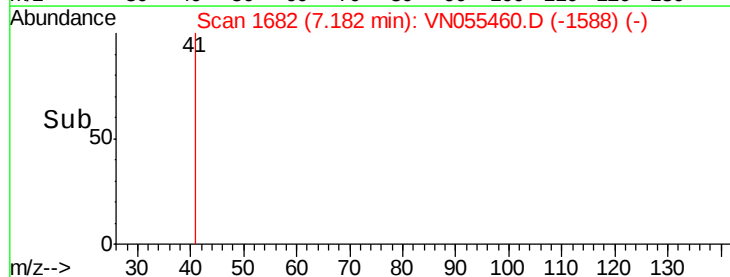
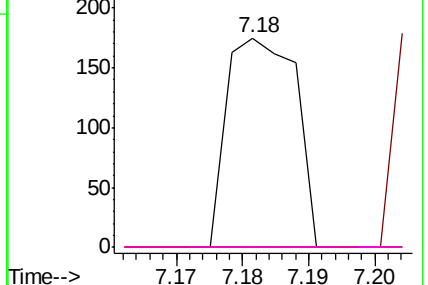


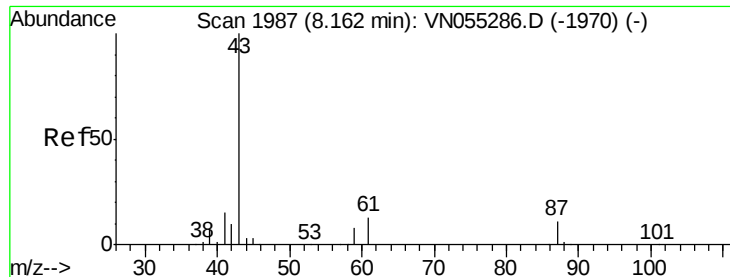
Abundance Ion 41.00 (40.70 to 41.70): V

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: 0.646 ug/l

RT: 8.20 min Scan# 2000

Delta R.T. 0.04 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-0206-01

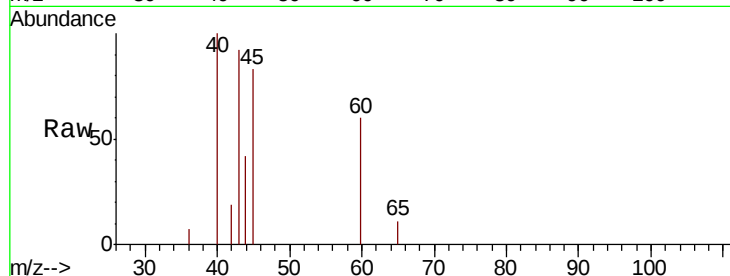
Tot Ion: 43 Resp: 5379

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

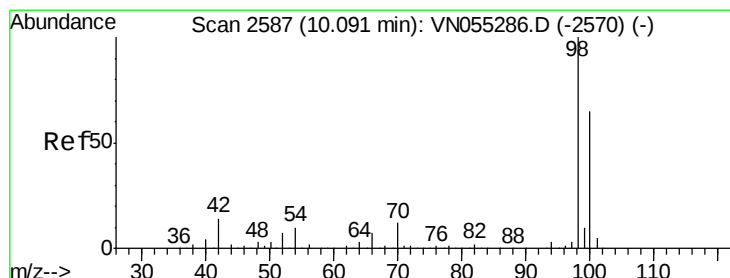
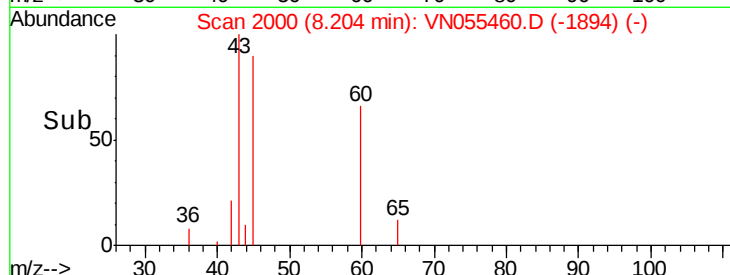
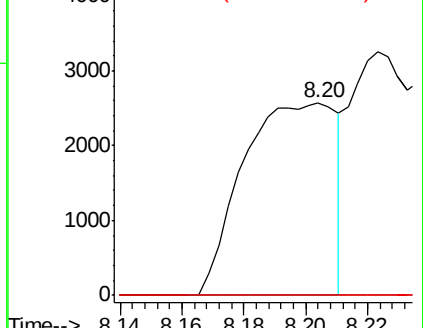
87 0.0 8.5 12.7#



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: 49.638 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055460.D

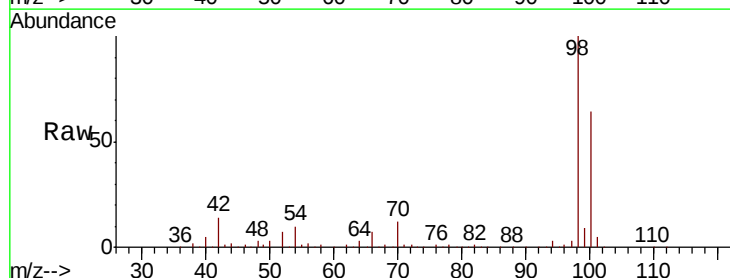
Acq: 8 May 2019 1:35

Tgt Ion: 98 Resp: 830043

Ion Ratio Lower Upper

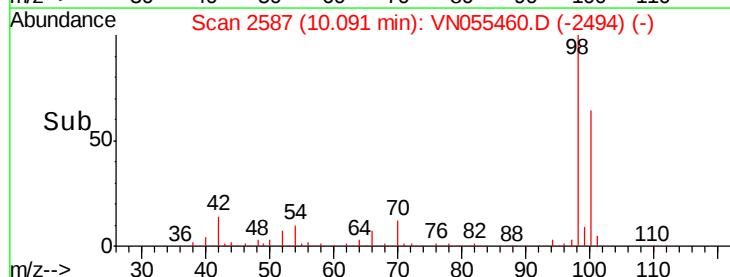
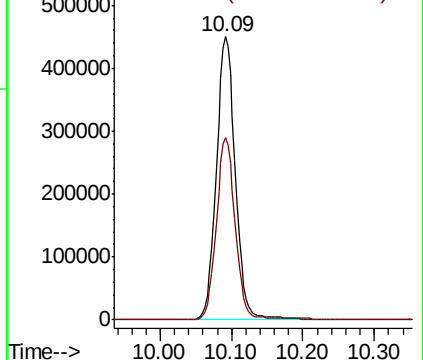
98 100

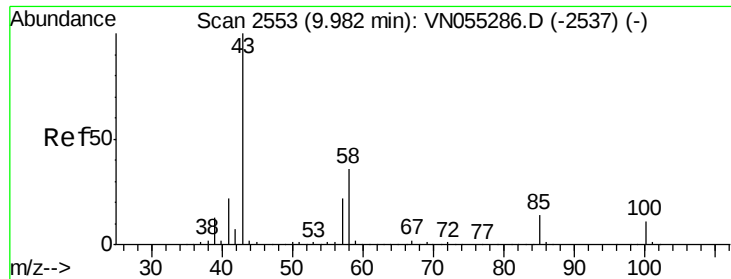
100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.227 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

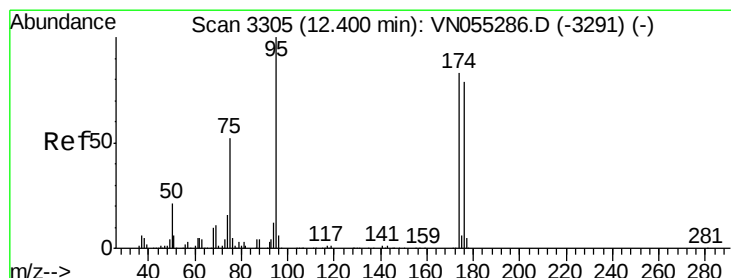
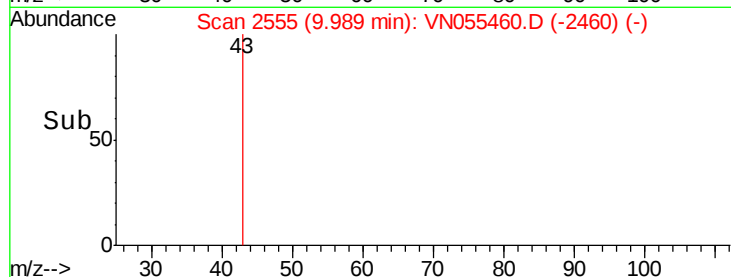
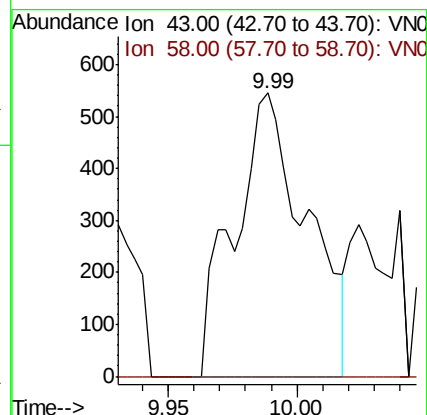
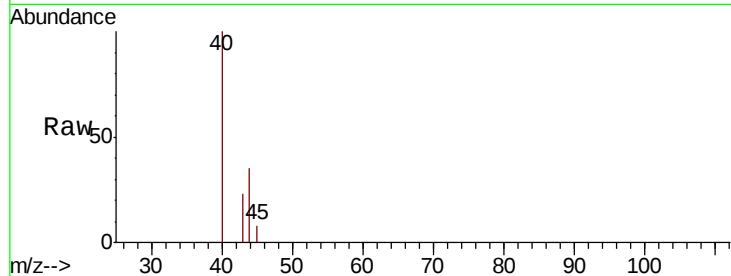
P026-SS002-0206-01

Tot Ion: 43 Resp: 1065

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#



#62

4-Bromofluorobenzene

Concen: 48.329 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

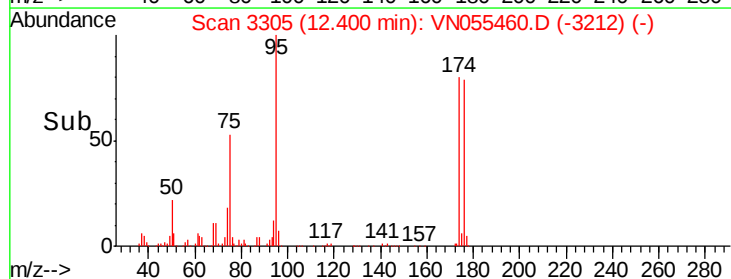
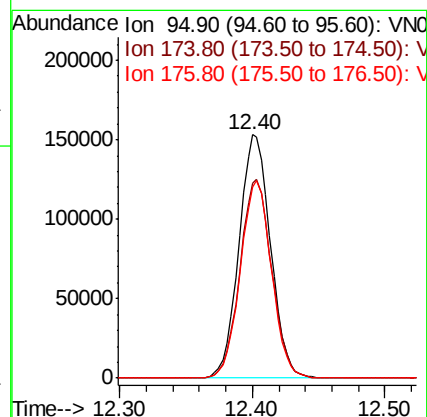
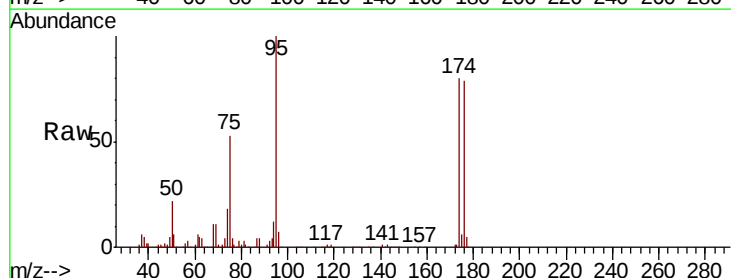
Tgt Ion: 95 Resp: 252577

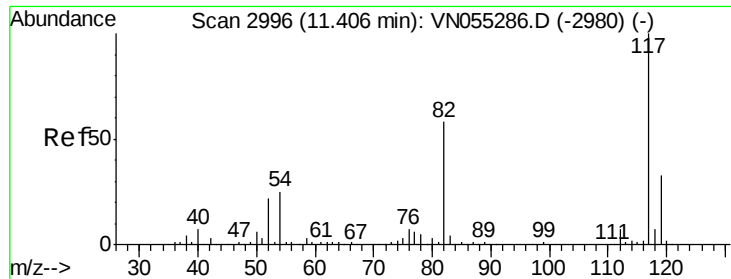
Ion Ratio Lower Upper

95 100

174 82.4 0.0 166.6

176 80.3 0.0 157.8

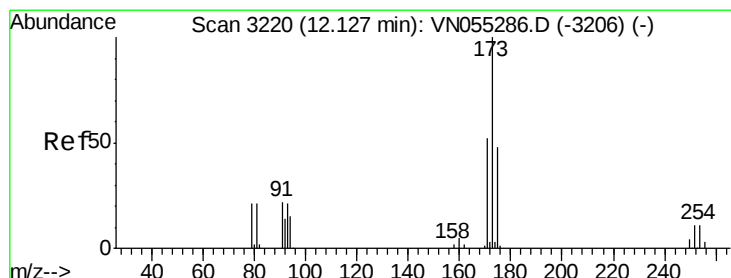
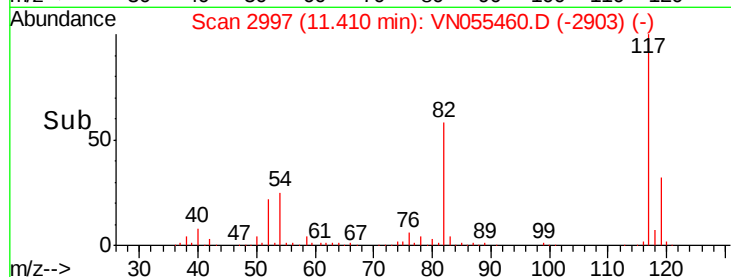
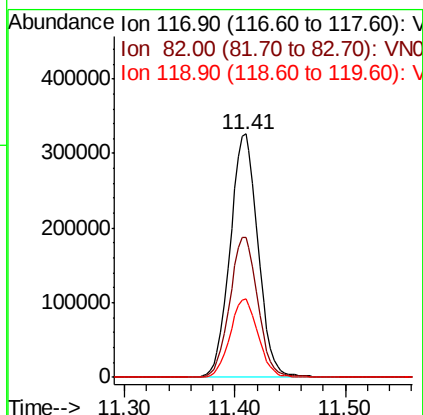
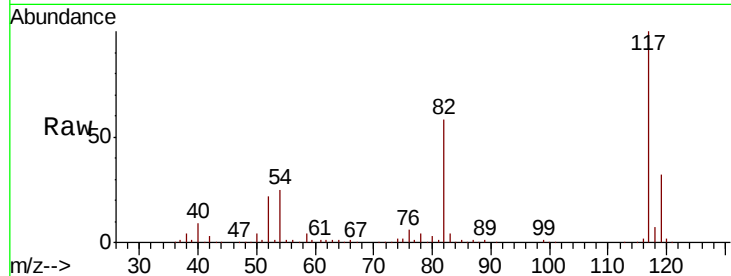




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055460.D
Acq: 8 May 2019 1:35

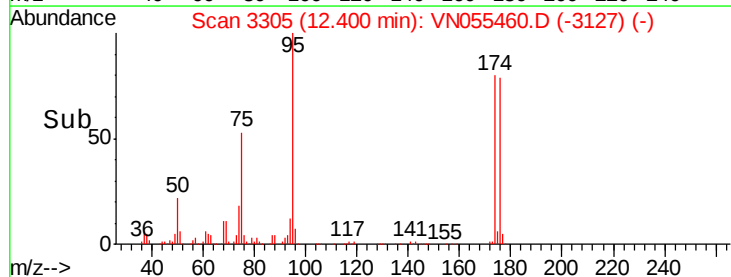
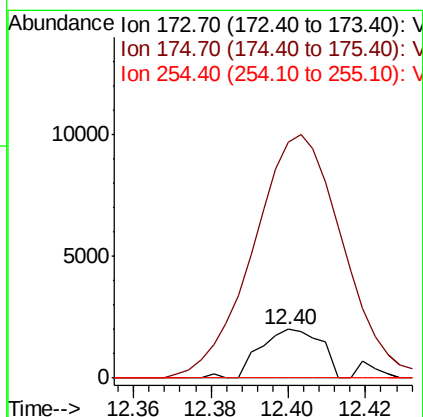
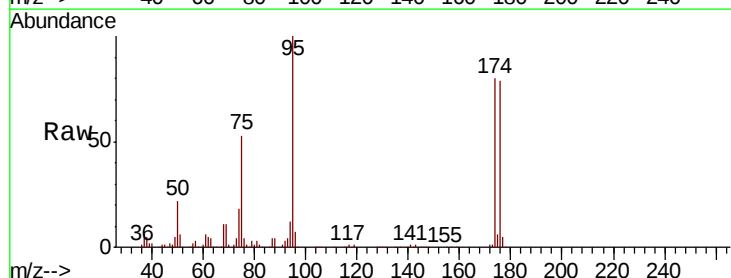
Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-0206-01

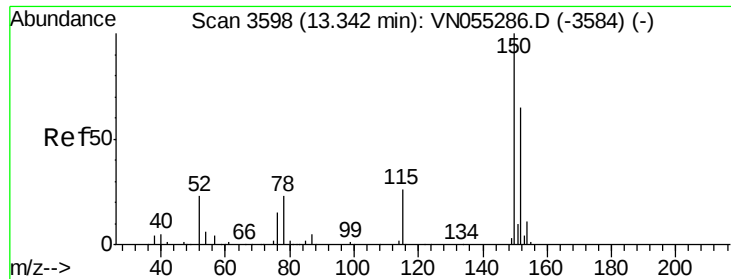
Tot Ion:117 Resp: 571675
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.4
119 32.0 26.6 40.0



#71
Bromoform
Concen: 0.902 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055460.D
Acq: 8 May 2019 1:35

Tgt Ion:173 Resp: 2190
Ion Ratio Lower Upper
173 100
175 635.9 23.6 71.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-0206-01

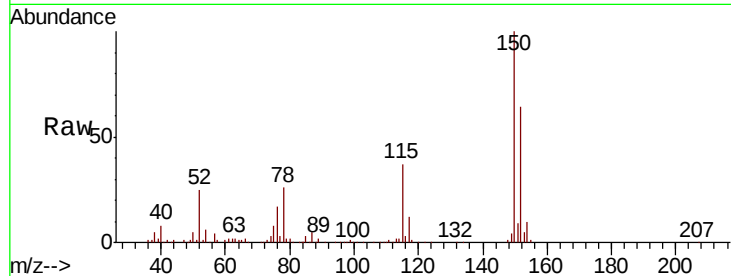
Tot Ion:152 Resp: 191472

Ion Ratio Lower Upper

152 100

115 58.7 29.0 87.0

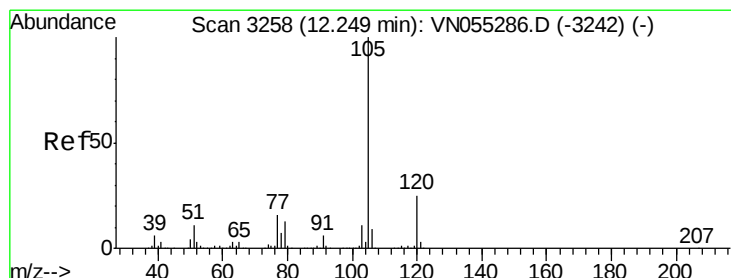
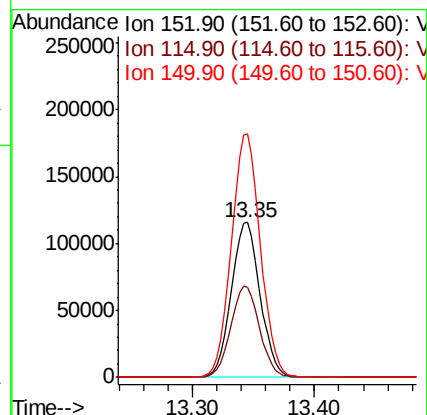
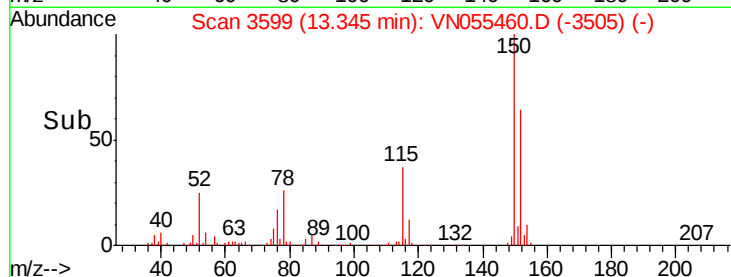
150 158.3 0.0 345.6



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: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN055460.D

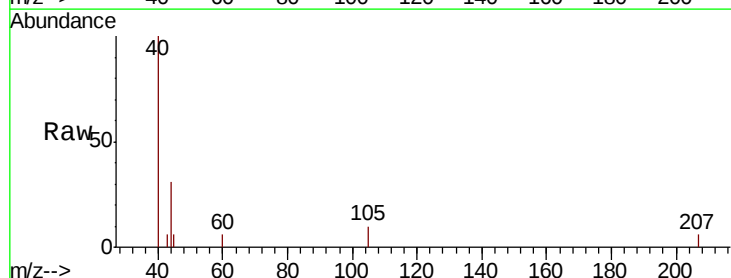
Acq: 8 May 2019 1:35

Tgt Ion:105 Resp: 313

Ion Ratio Lower Upper

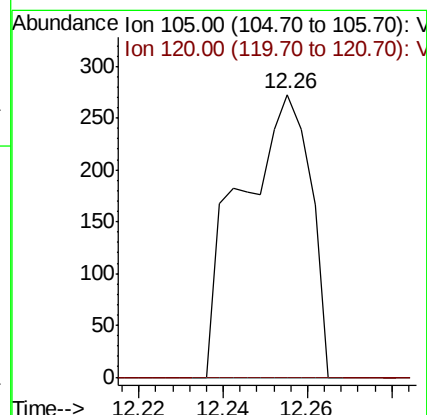
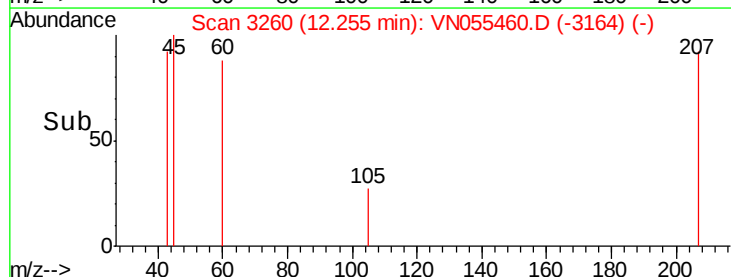
105 100

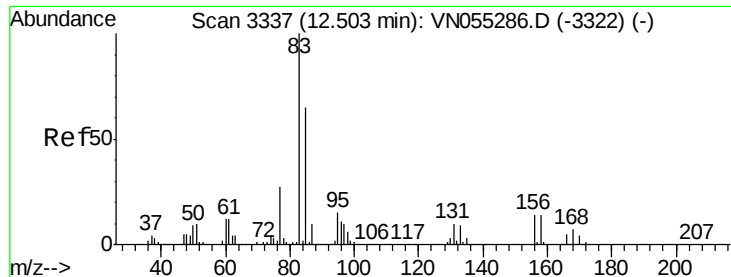
120 0.0 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-0206-01

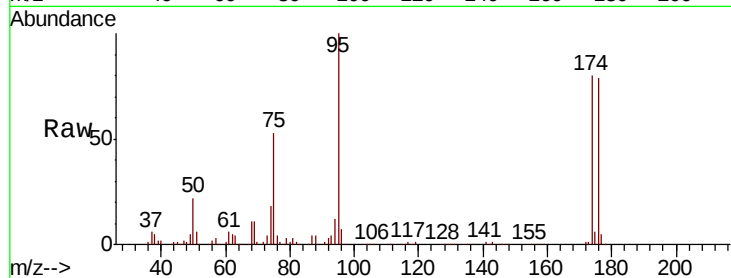
Tot Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

131 519.7 5.1 15.2#

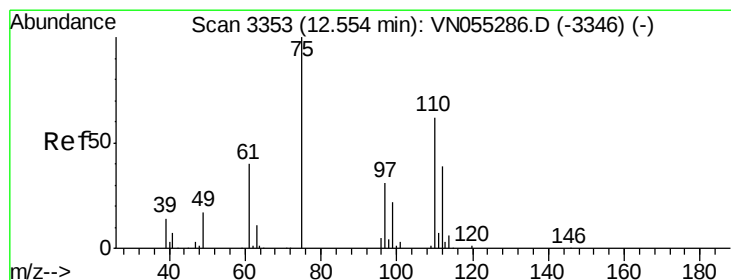
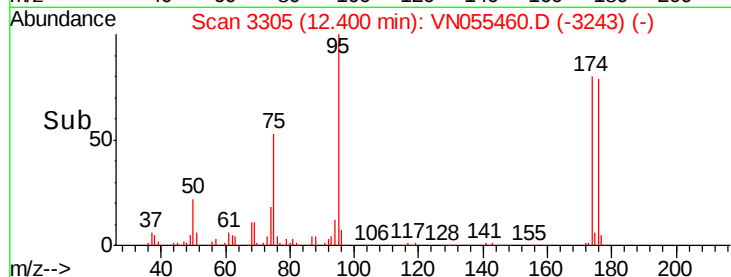
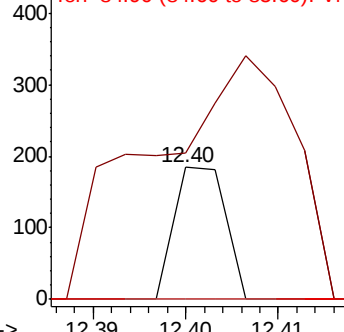
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 36.570 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055460.D

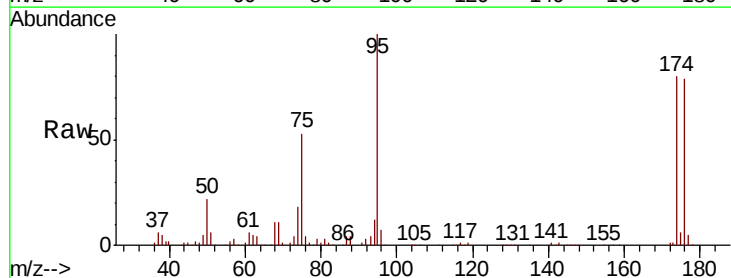
Acq: 8 May 2019 1:35

Tgt Ion: 75 Resp: 132560

Ion Ratio Lower Upper

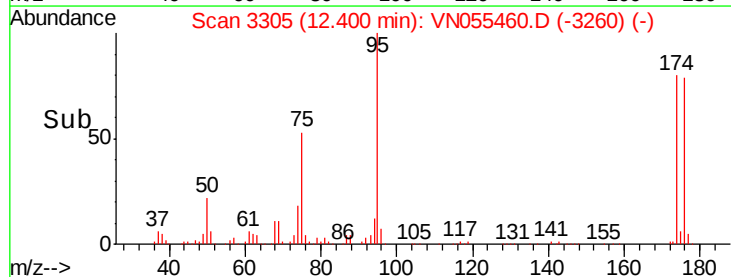
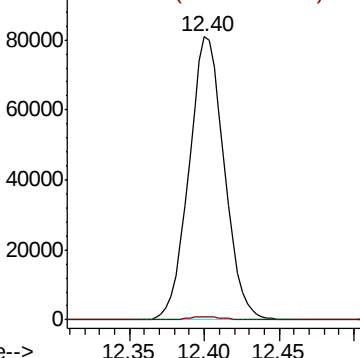
75 100

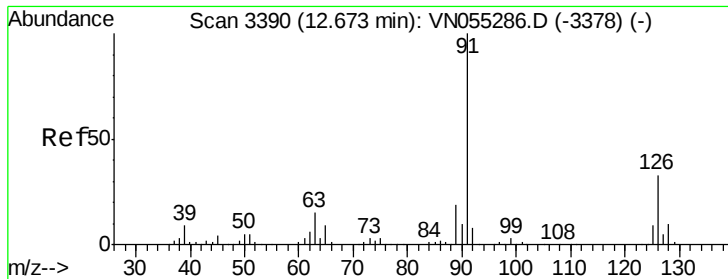
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

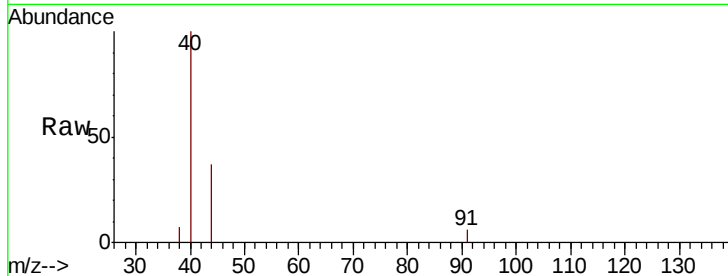
P026-SS002-0206-01

Tot Ion: 91 Resp: 100

Ion Ratio Lower Upper

91 100

126 29.0 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

200

150

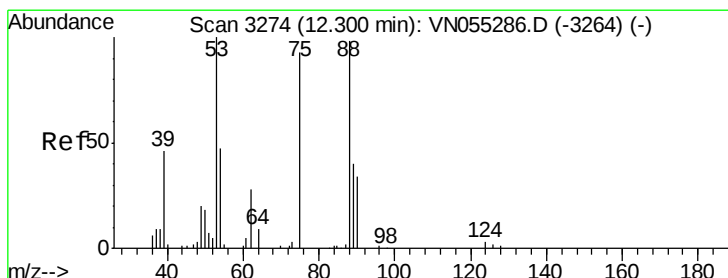
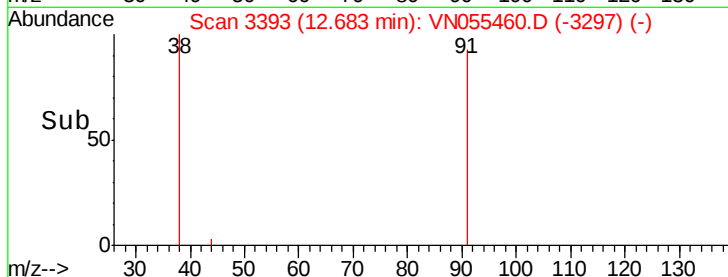
100

50

0

12.67 12.68 12.69

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 131.199 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

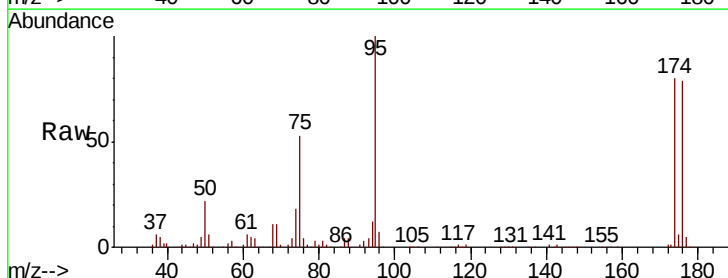
Tgt Ion: 75 Resp: 132560

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

100000

80000

60000

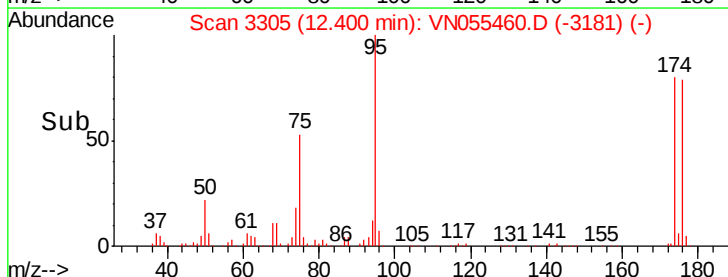
40000

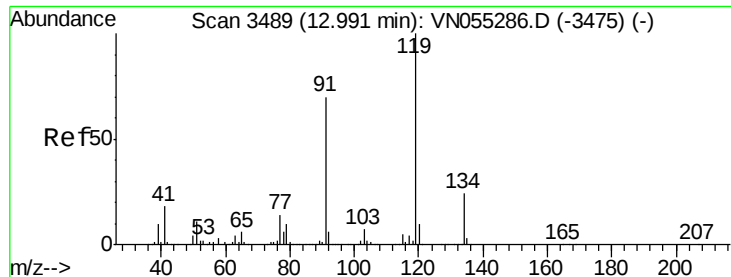
20000

0

12.35 12.40 12.45

Time-->

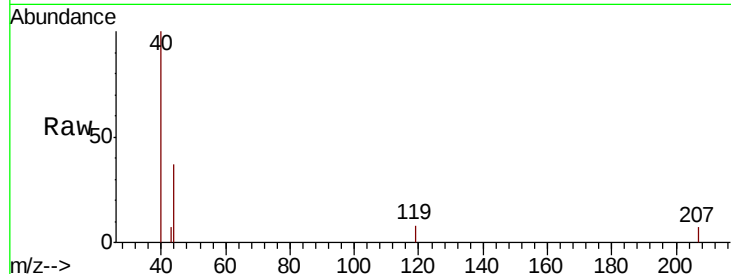




#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.00 min Scan# 3493
Delta R.T. 0.01 min
Lab File: VN055460.D
Acq: 8 May 2019 1:35

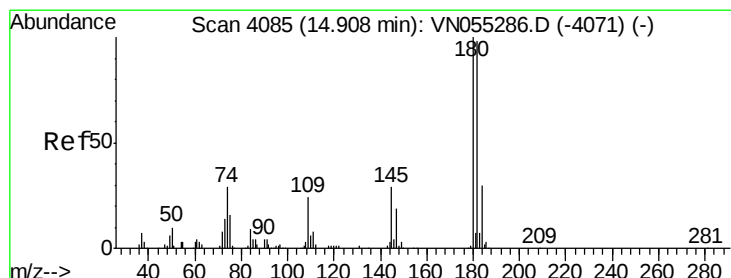
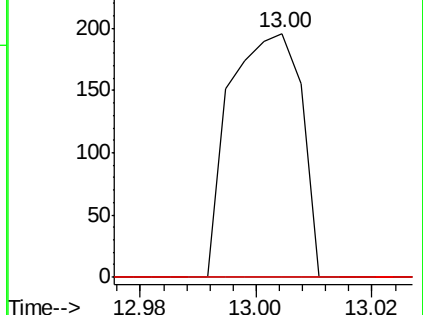
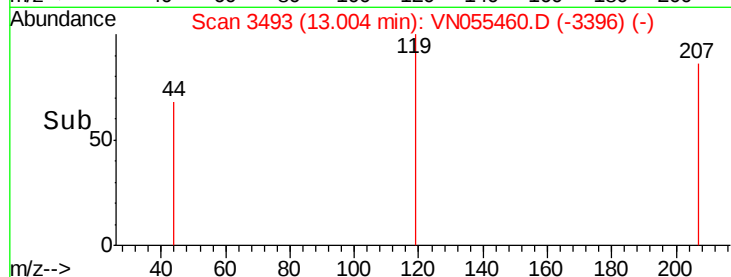
Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-0206-01

Tot Ion:119 Resp: 168
Ion Ratio Lower Upper
119 100
91 0.0 34.3 102.9#
134 0.0 13.1 39.3#



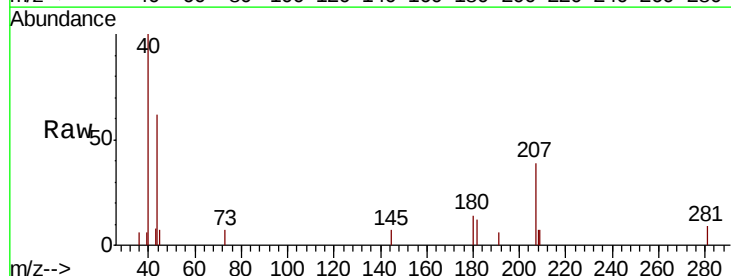
Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

13.00



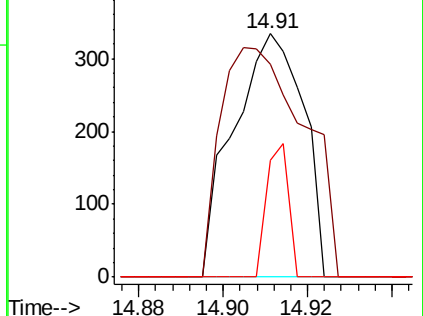
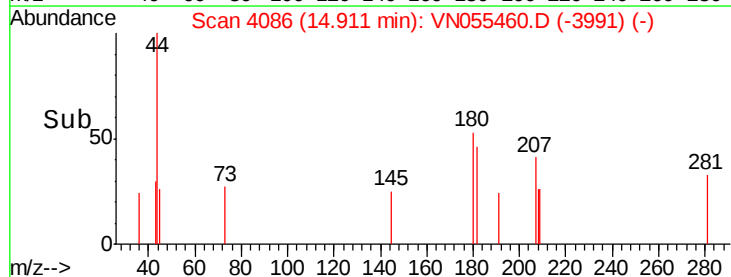
#93
1,2,4-Trichlorobenzene
Concen: 3.454 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN055460.D
Acq: 8 May 2019 1:35

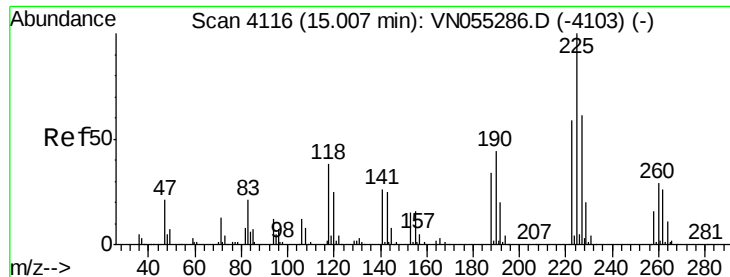
Tgt Ion:180 Resp: 384
Ion Ratio Lower Upper
180 100
182 113.5 48.3 144.9
145 17.4 14.2 42.6



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

14.91





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-0206-01

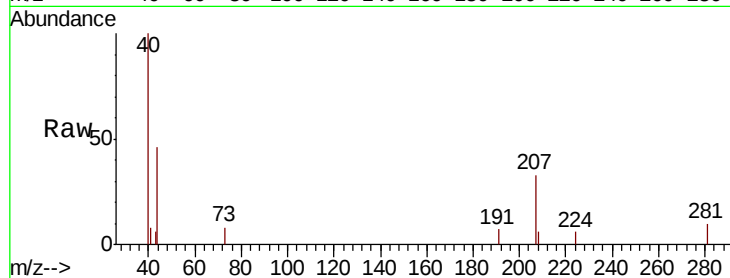
Tot Ion:225 Resp: 31

Ion Ratio Lower Upper

225 100

223 0.0 30.3 90.8#

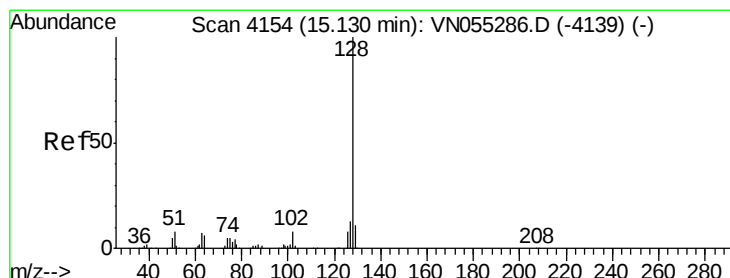
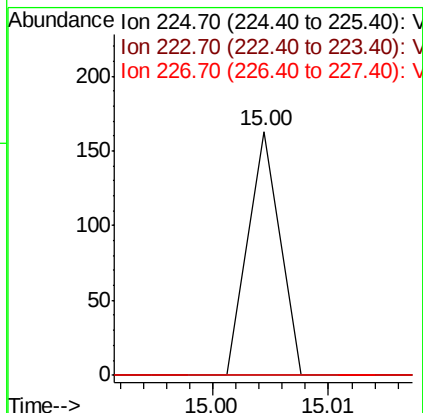
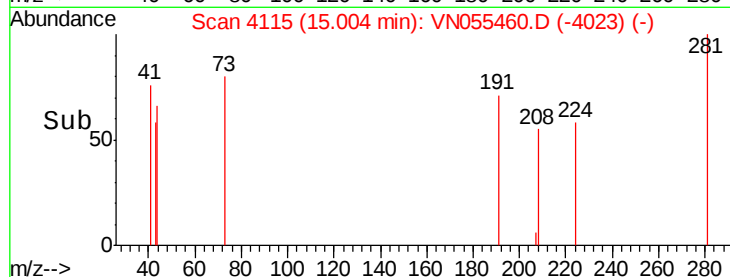
227 0.0 30.9 92.7#



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: 3.484 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

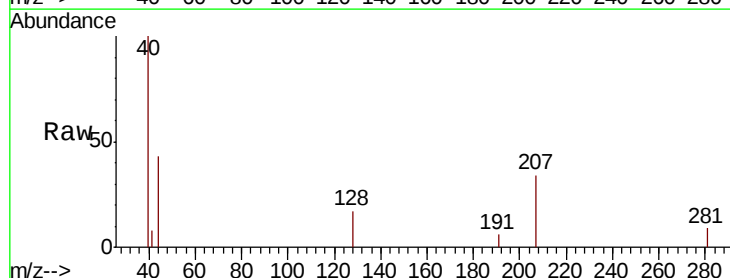
Tgt Ion:128 Resp: 887

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

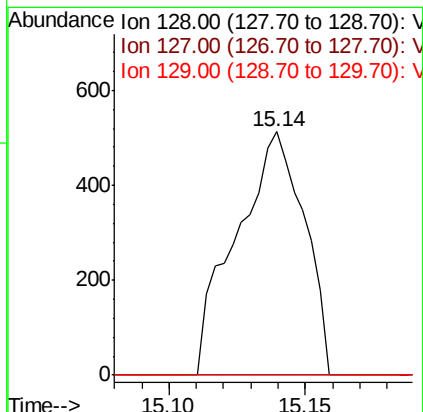
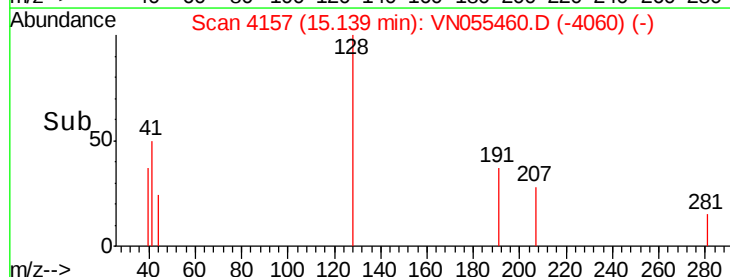
129 0.0 8.6 13.0#

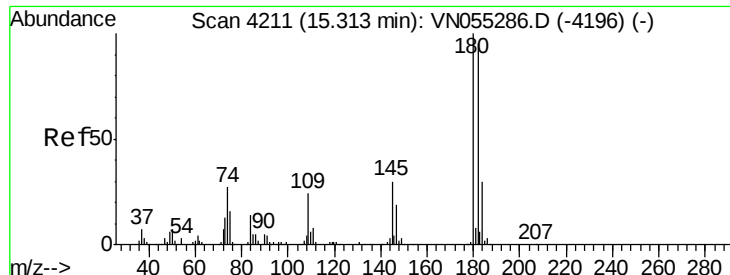


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.861 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN055460.D

Acq: 8 May 2019 1:35

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-0206-01

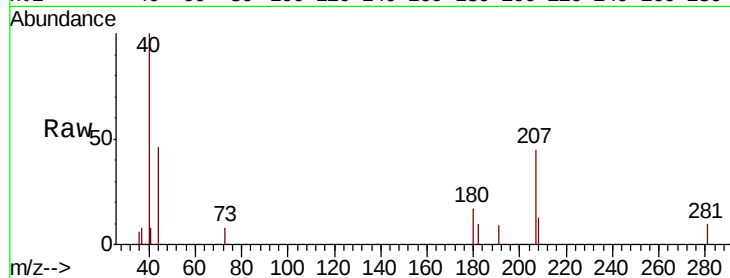
Tot Ion:180 Resp: 646

Ion Ratio Lower Upper

180 100

182 29.3 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

