

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055463.D
 Acq On : 8 May 2019 2:50
 Operator : JC/SP
 Sample : K2717-13
 Misc : 5.23g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1824-01

Quant Time: May 08 05:56:43 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	433693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	679561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	551838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189010	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	288787	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
35) Dibromofluoromethane	7.59	113	214022	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
50) Toluene-d8	10.09	98	788707	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	244571	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

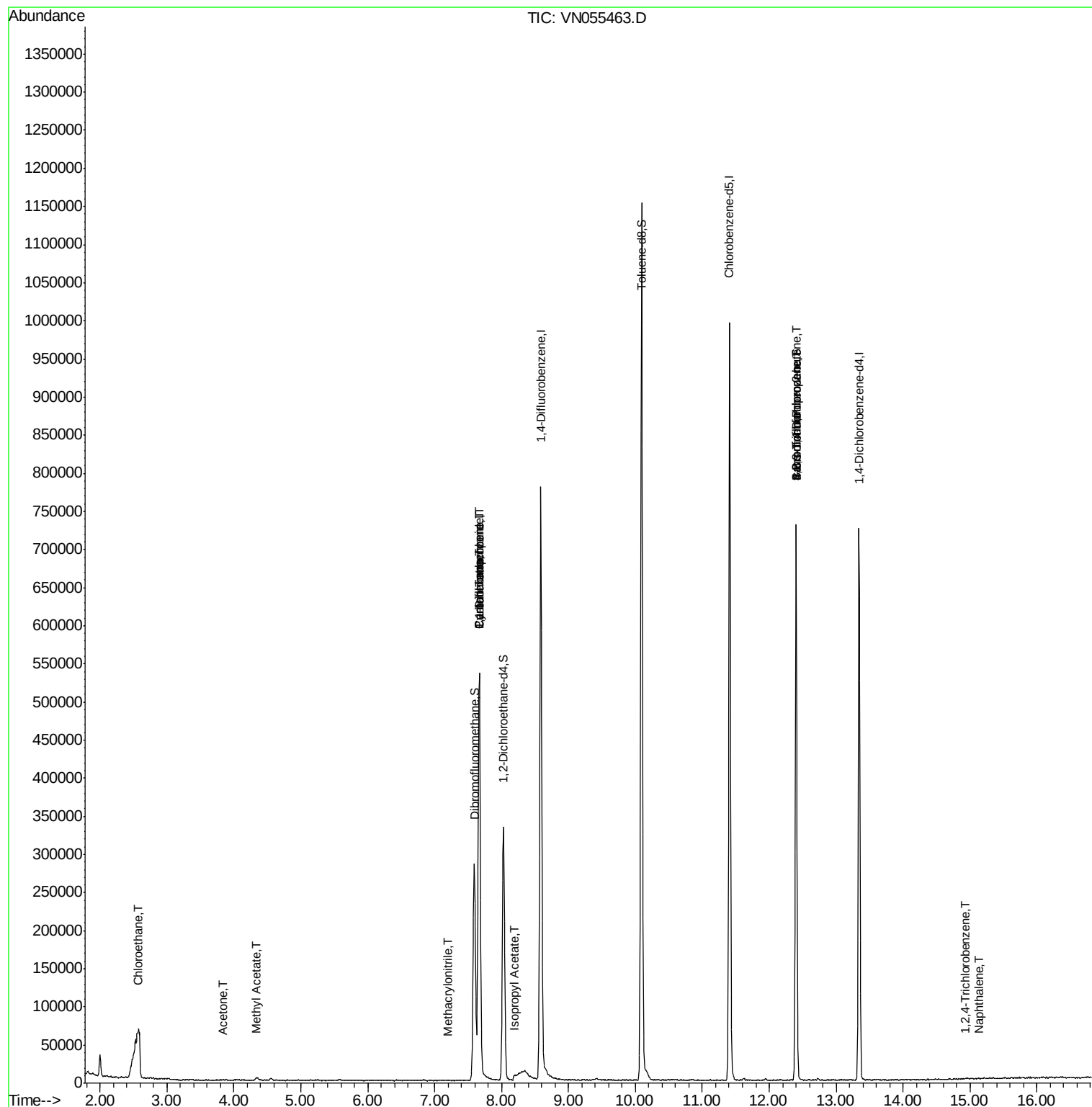
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.56	64	733	0.255	ug/l #	43
16) Acetone	3.82	43	678	0.384	ug/l #	45
18) Methyl Acetate	4.34	43	7781	0.787	ug/l #	64
31) Cyclohexane	7.67	56	10012	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	34441	5.291	ug/l #	50
38) Carbon Tetrachloride	7.66	117	41745	6.648	ug/l #	16
41) Methacrylonitrile	7.21	41	62	0.763	ug/l #	23
43) Isopropyl Acetate	8.19	43	4424	0.552	ug/l #	56
71) Bromoform	12.40	173	713	0.304	ug/l #	1
73) Isopropylbenzene	12.25	105	254	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.41	83	29	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	128373	35.826	ug/l #	100
79) 2-Chlorotoluene	12.59	91	402	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	128373	128.710	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	31	3.322	ug/l #	12
95) Naphthalene	15.13	128	64	3.340	ug/l #	69

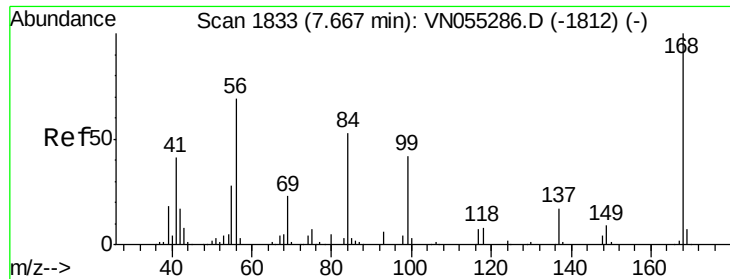
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055463.D

Acq: 8 May 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

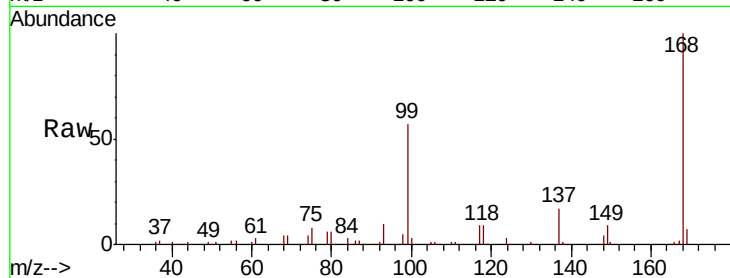
P026-SS002-1824-01

Tot Ion:168 Resp: 433693

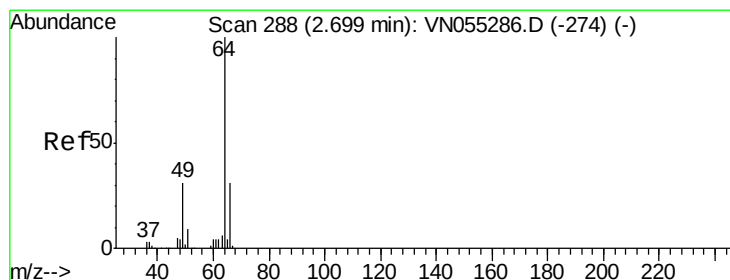
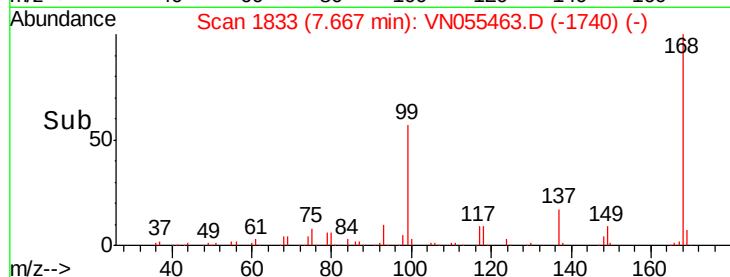
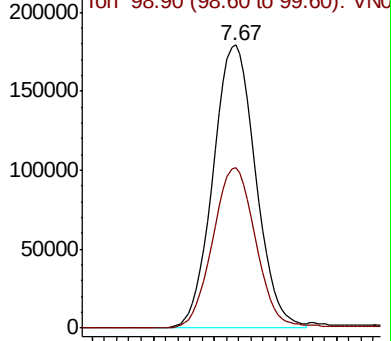
Ion Ratio Lower Upper

168 100

99 56.9 43.6 65.4



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



#6

Chloroethane

Concen: 0.255 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.13 min

Lab File: VN055463.D

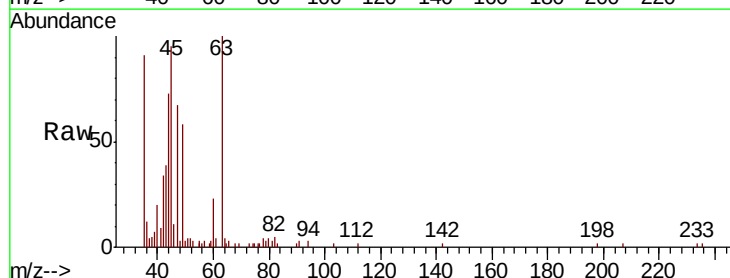
Acq: 8 May 2019 2:50

Tgt Ion: 64 Resp: 733

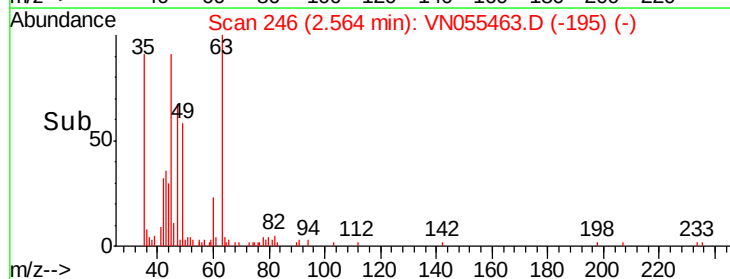
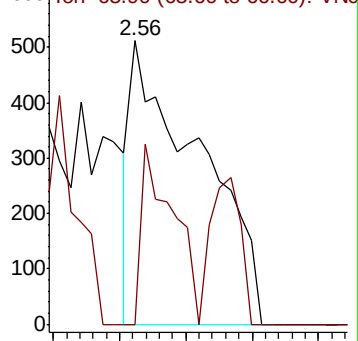
Ion Ratio Lower Upper

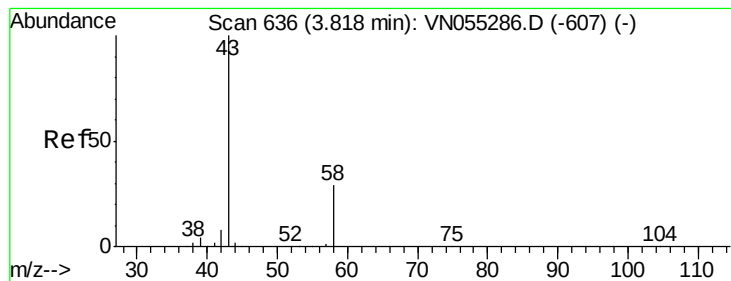
64 100

66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VN055286.D (-274) (-)





#16

Acetone

Concen: 0.384 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055463.D

Acq: 8 May 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

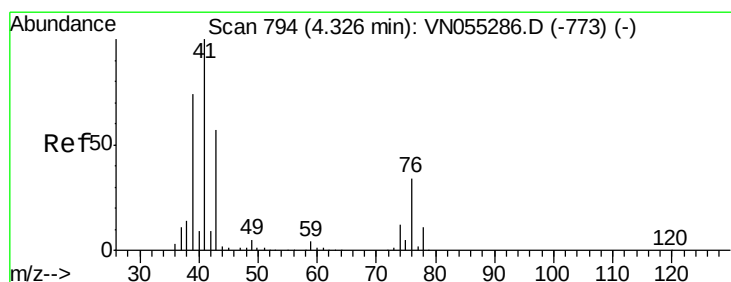
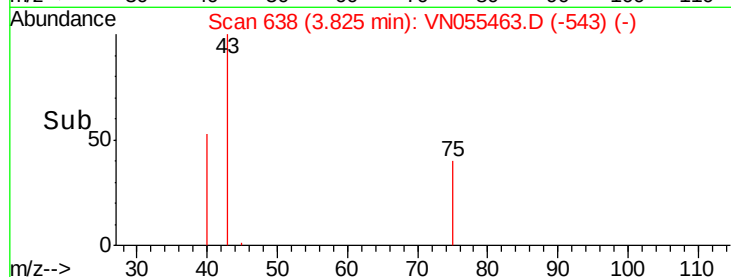
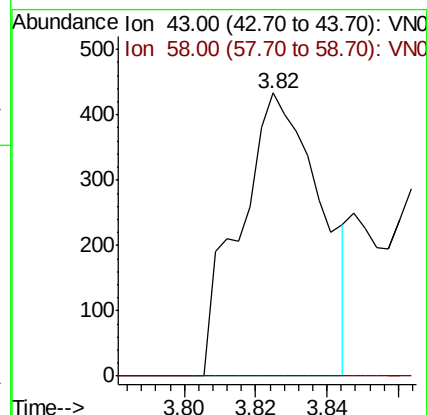
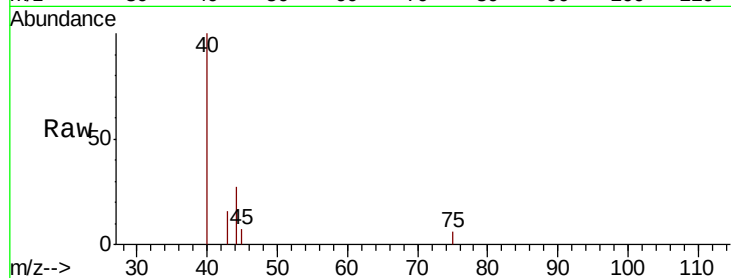
P026-SS002-1824-01

Tot Ion: 43 Resp: 678

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



#18

Methyl Acetate

Concen: 0.787 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055463.D

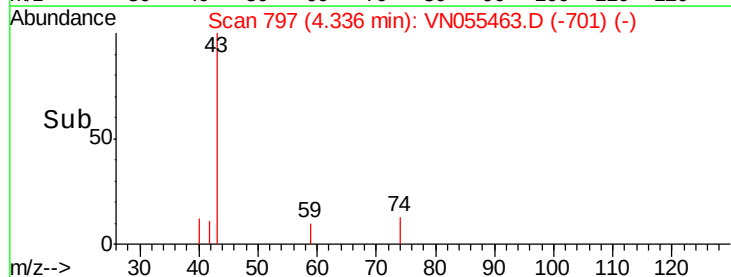
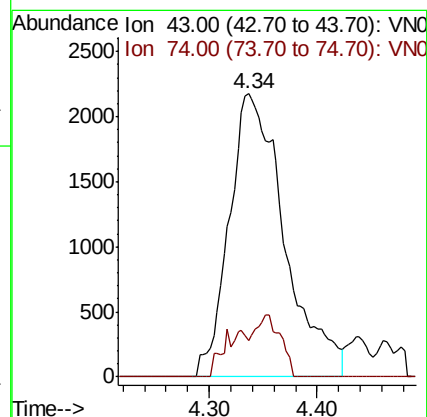
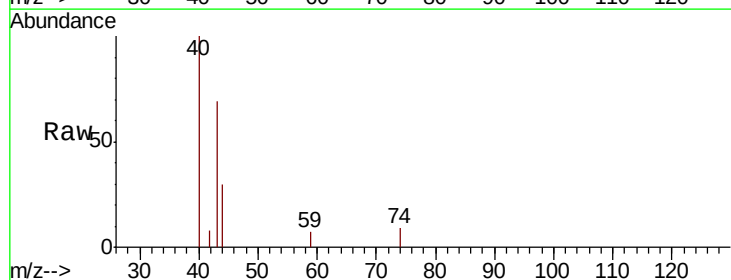
Acq: 8 May 2019 2:50

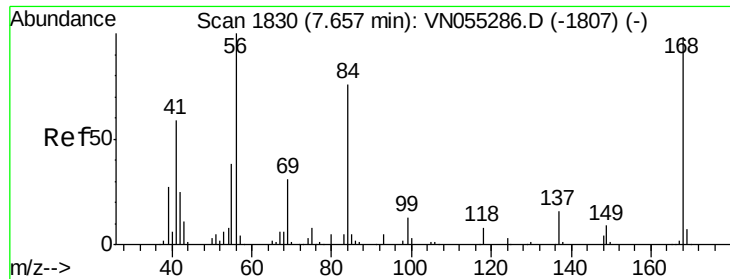
Tgt Ion: 43 Resp: 7781

Ion Ratio Lower Upper

43 100

74 3.2 15.8 23.8#





#31

Cyclohexane

Concen: 1.122 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055463.D

Acq: 8 May 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1824-01

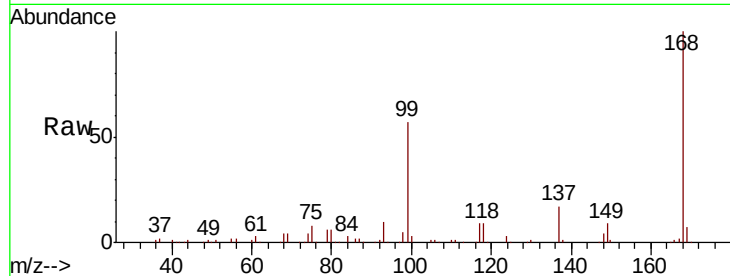
Tot Ion: 56 Resp: 10012

Ion Ratio Lower Upper

56 100

69 170.0 25.2 37.8#

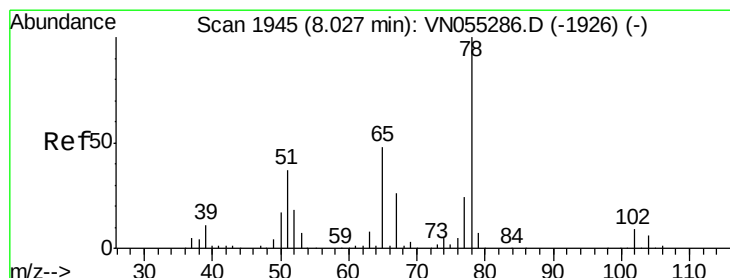
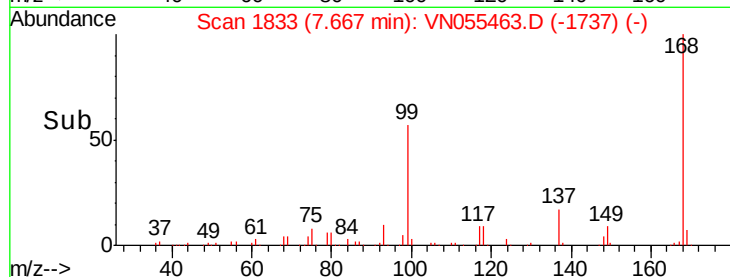
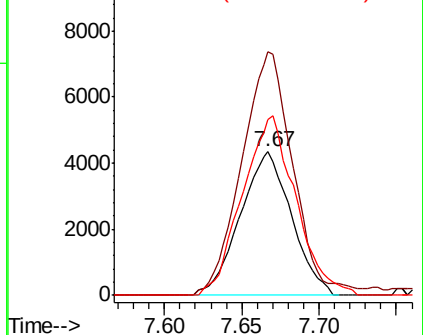
84 122.5 61.1 91.7#



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: 50.899 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055463.D

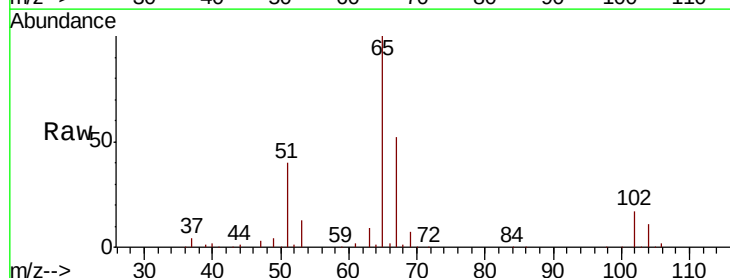
Acq: 8 May 2019 2:50

Tgt Ion: 65 Resp: 288787

Ion Ratio Lower Upper

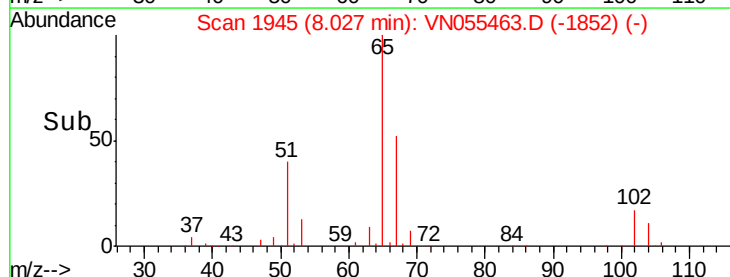
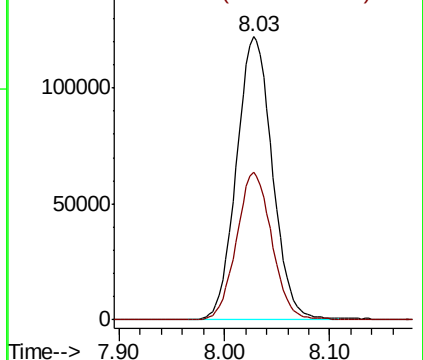
65 100

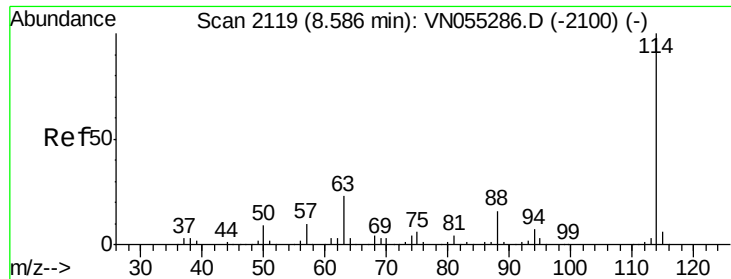
67 51.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

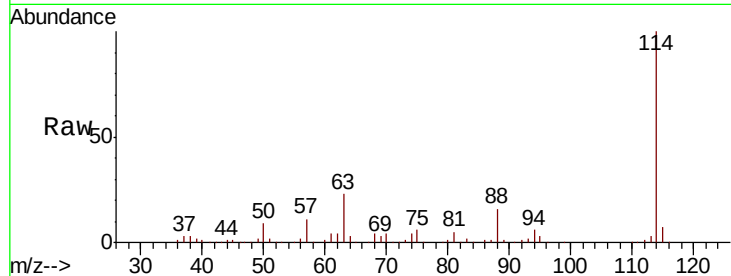




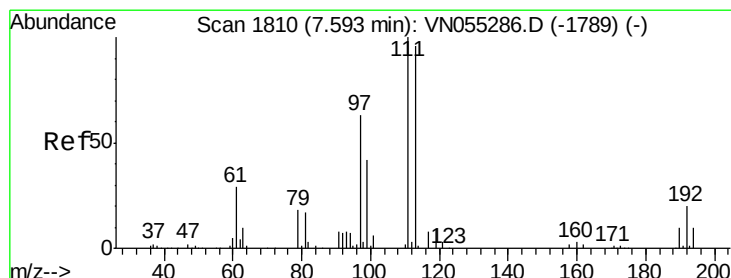
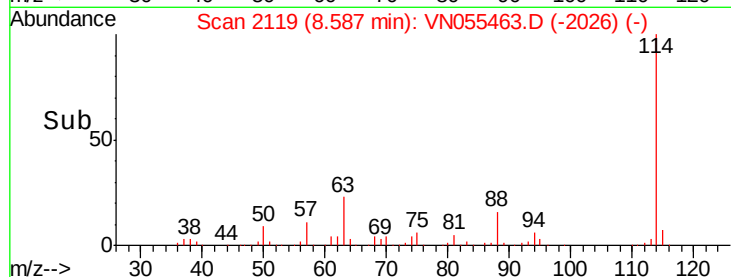
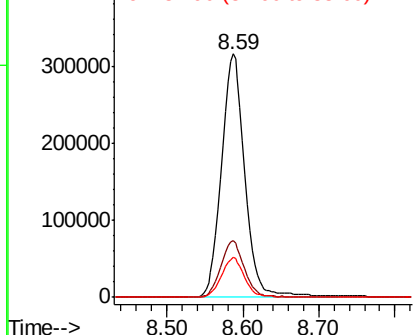
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055463.D
 Acq: 8 May 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1824-01

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	45.2
88	16.3	0.0	31.6

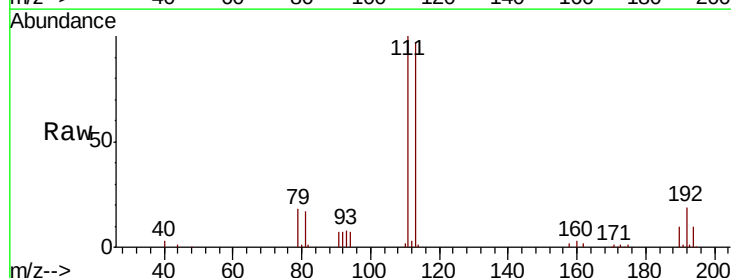


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

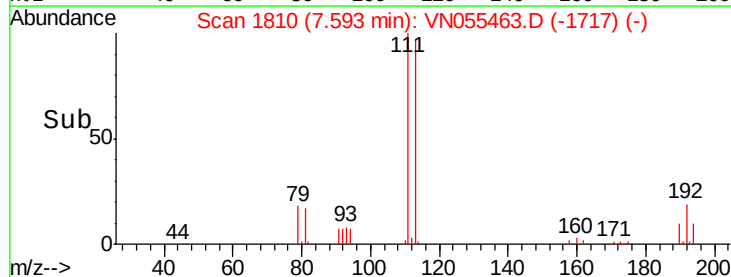
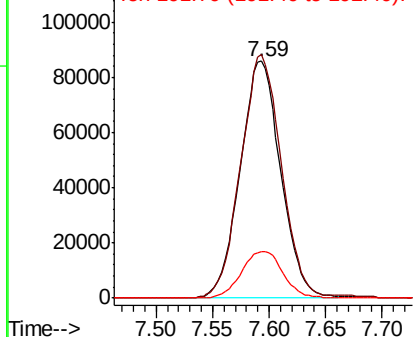


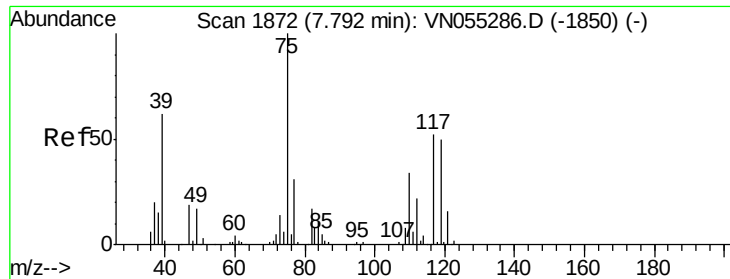
#35
 Dibromofluoromethane
 Concen: 47.983 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055463.D
 Acq: 8 May 2019 2:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.3	123.5
192	20.2	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: 5.291 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055463.D

Acq: 8 May 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1824-01

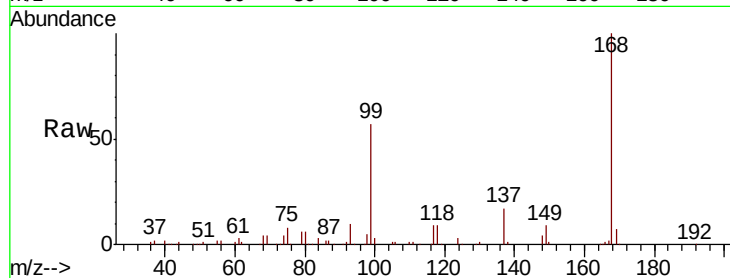
Tot Ion: 75 Resp: 34441

Ion Ratio Lower Upper

75 100

110 8.9 16.8 50.4#

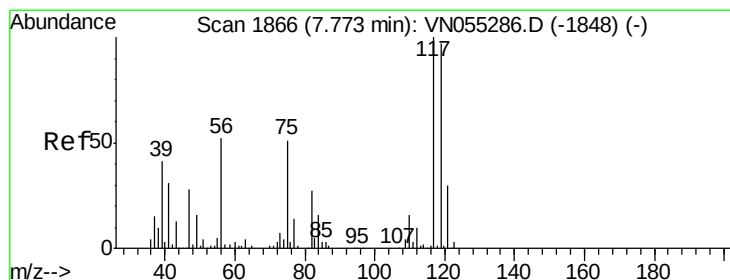
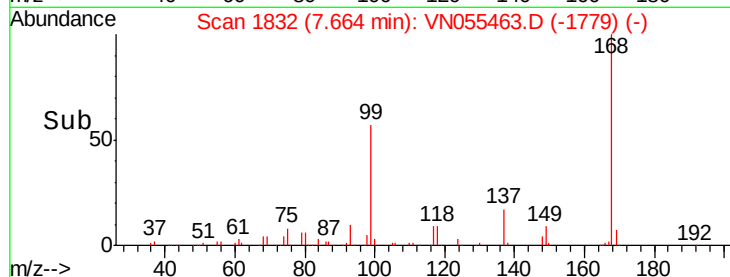
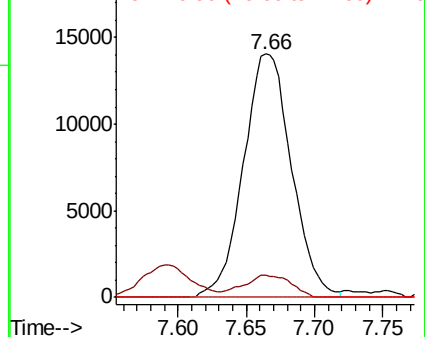
77 0.0 25.0 37.6#



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: 6.648 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055463.D

Acq: 8 May 2019 2:50

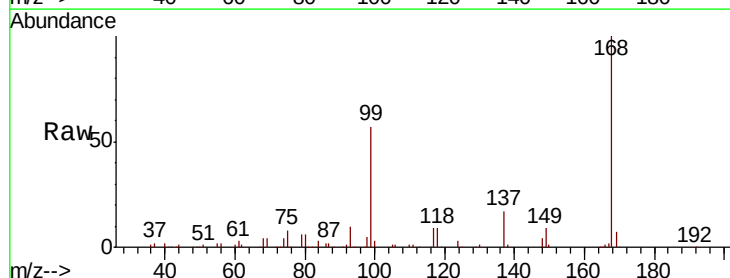
Tgt Ion: 117 Resp: 41745

Ion Ratio Lower Upper

117 100

119 4.9 77.0 115.6#

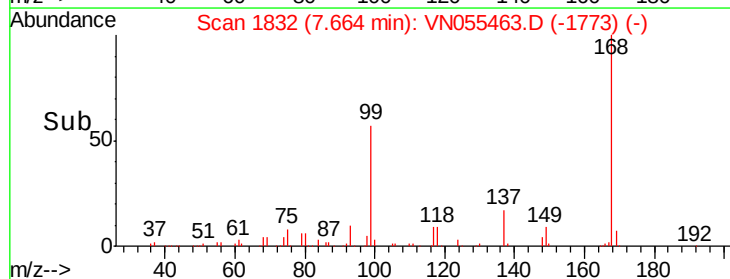
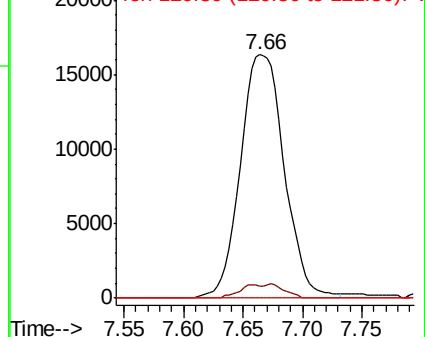
121 0.0 23.8 35.8#

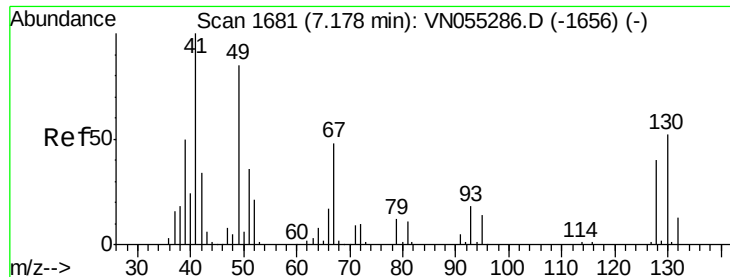


Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-1848) (-)

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

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

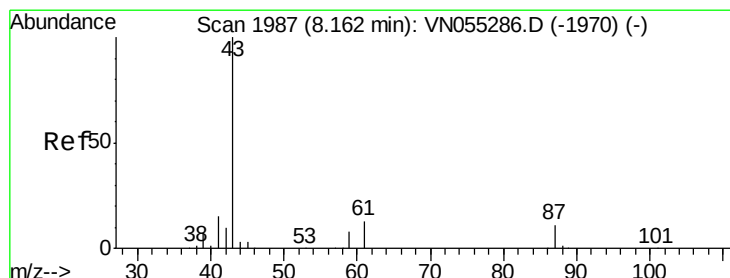
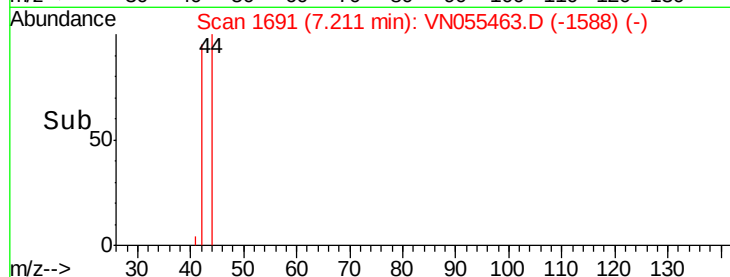
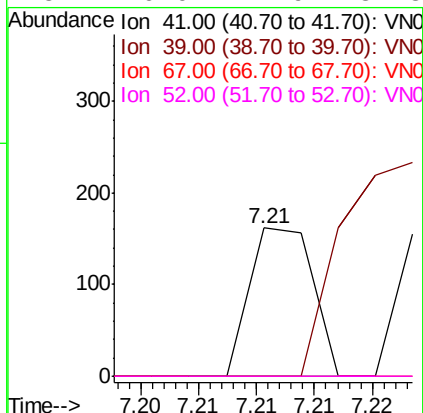
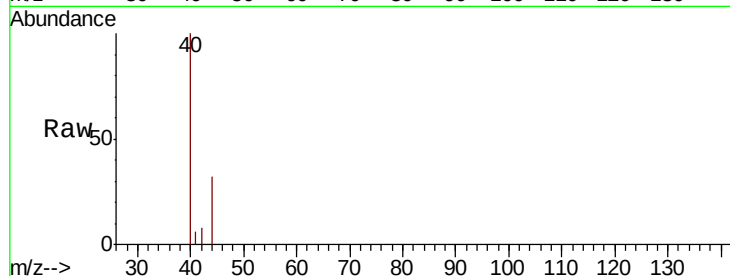




#41
Methacrylonitrile
Concen: 0.763 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.03 min
Lab File: VN055463.D
Acq: 8 May 2019 2:50

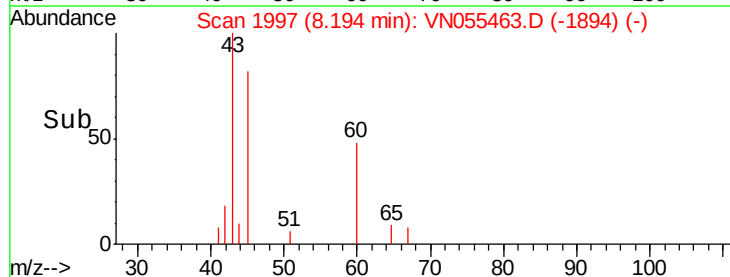
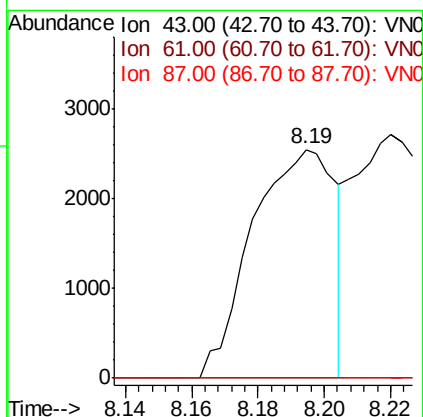
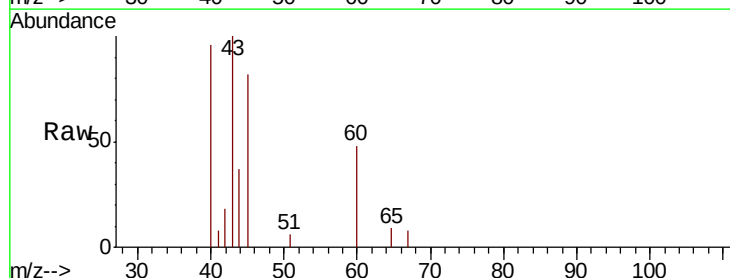
Instrument :
MSVOA_N
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P026-SS002-1824-01

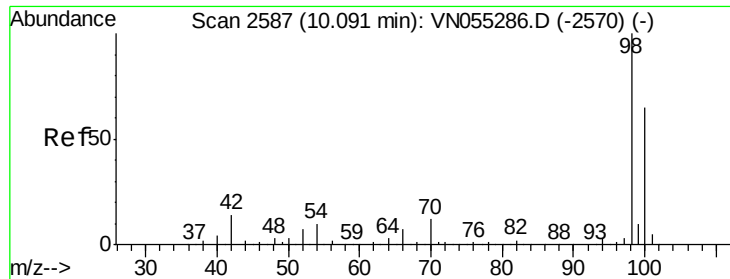
Tot Ion:	41	Resp:	62
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.5	72.7#
67	0.0	54.9	82.3#
52	0.0	24.9	37.3#



#43
Isopropyl Acetate
Concen: 0.552 ug/l
RT: 8.19 min Scan# 1997
Delta R.T. 0.03 min
Lab File: VN055463.D
Acq: 8 May 2019 2:50

Tgt Ion:	43	Resp:	4424
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.8	31.2#
87	0.0	8.5	12.7#





#50

Toluene-d8

Concen: 48.970 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055463.D

Acq: 8 May 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

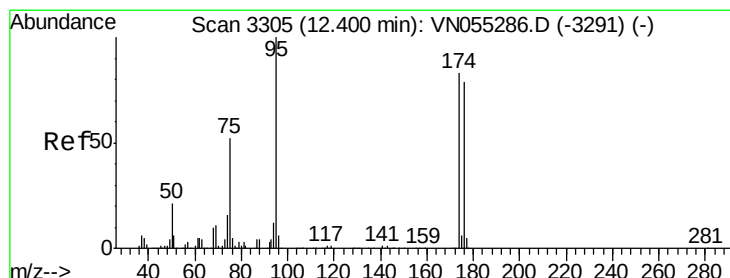
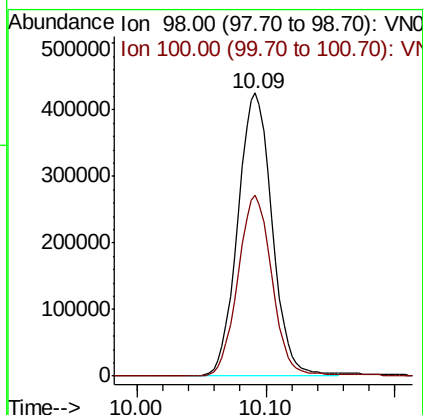
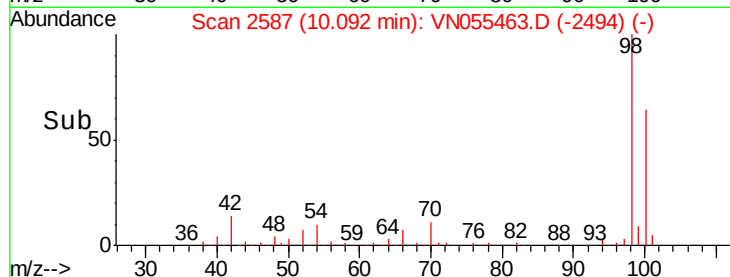
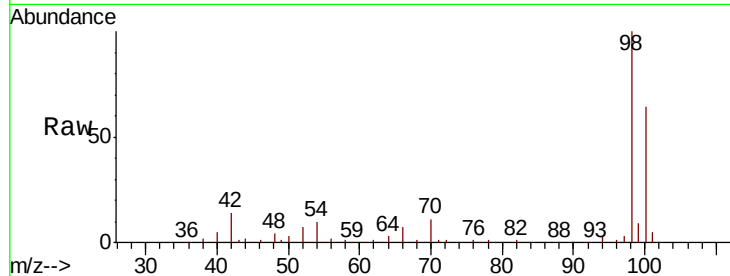
P026-SS002-1824-01

Tot Ion: 98 Resp: 788707

Ion Ratio Lower Upper

98 100

100 63.7 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 48.587 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055463.D

Acq: 8 May 2019 2:50

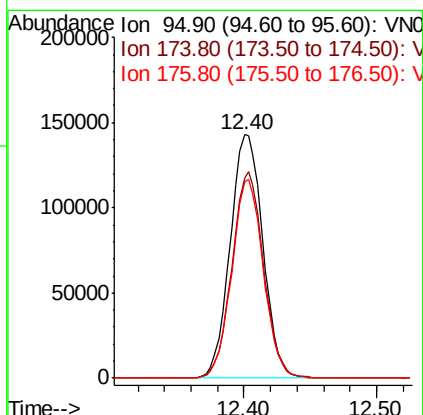
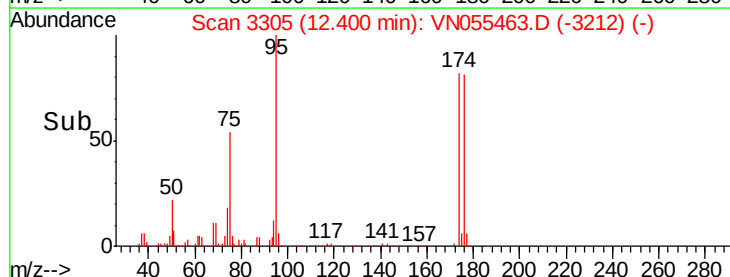
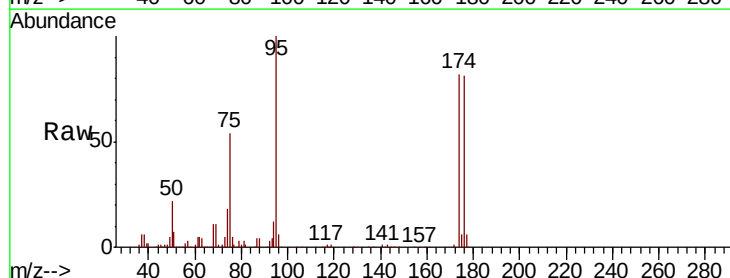
Tgt Ion: 95 Resp: 244571

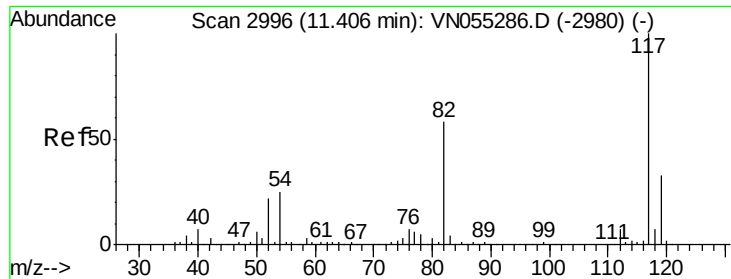
Ion Ratio Lower Upper

95 100

174 82.0 0.0 166.6

176 79.1 0.0 157.8

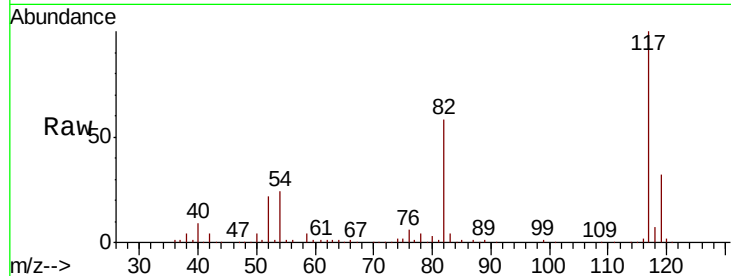




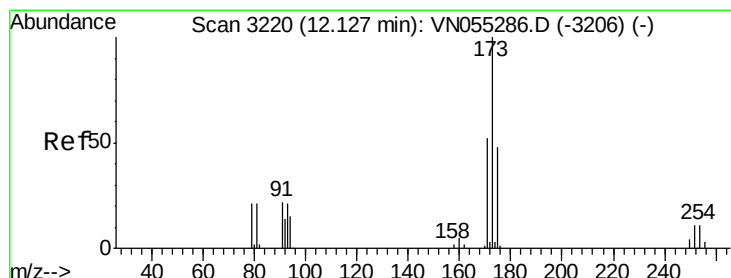
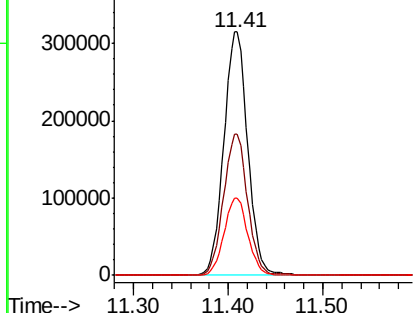
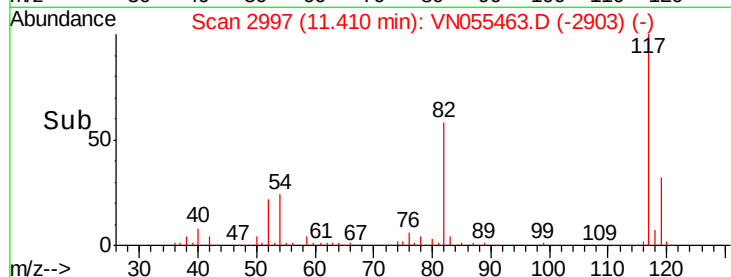
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055463.D
Acq: 8 May 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1824-01

Tot Ion:117 Resp: 551838
Ion Ratio Lower Upper
117 100
82 58.2 46.2 69.4
119 31.8 26.6 40.0

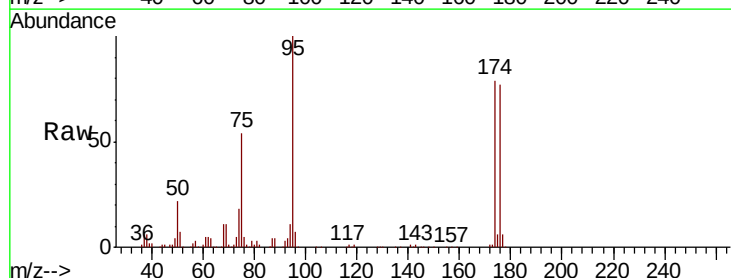


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

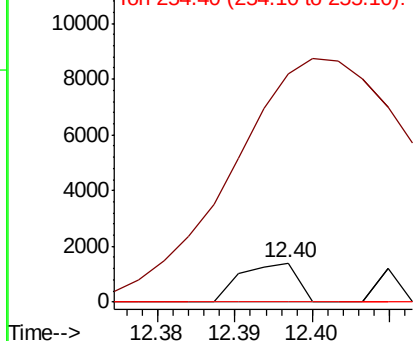
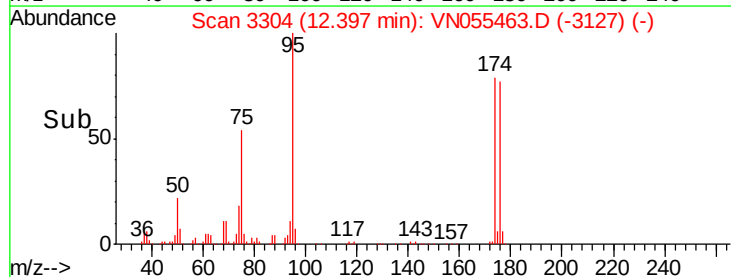


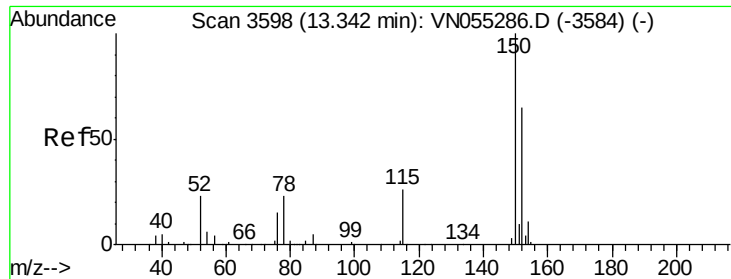
#71
Bromoform
Concen: 0.304 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN055463.D
Acq: 8 May 2019 2:50

Tgt Ion:173 Resp: 713
Ion Ratio Lower Upper
173 100
175 1817.1 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

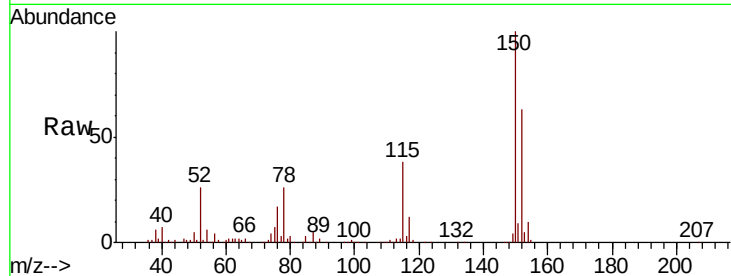




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN055463.D
 Acq: 8 May 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1824-01

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.0	87.0
150	157.6	0.0	345.6

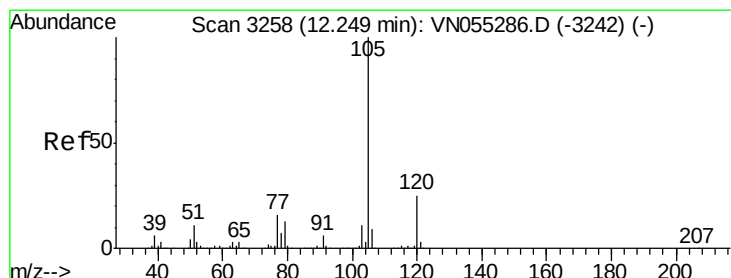
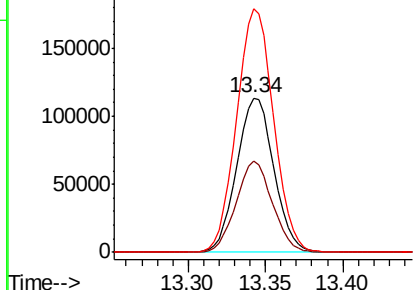
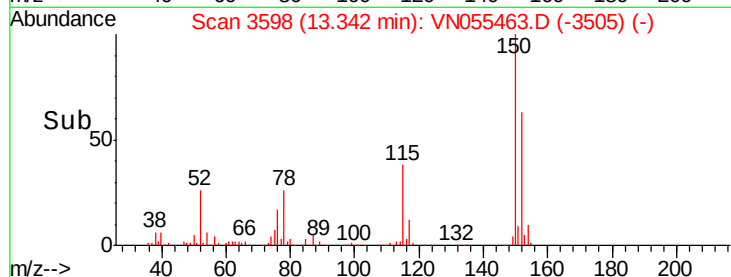


Abundance

Ion 151.90 (151.60 to 152.60): V

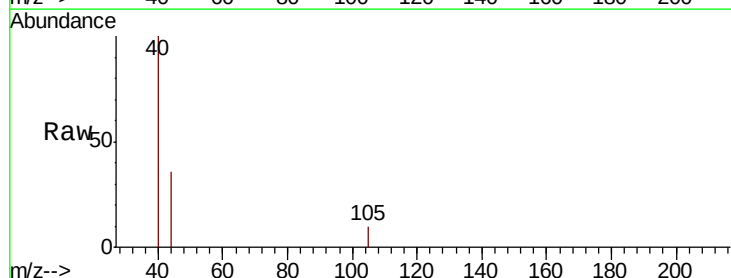
Ion 114.90 (114.60 to 115.60): V

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: VN055463.D
 Acq: 8 May 2019 2:50

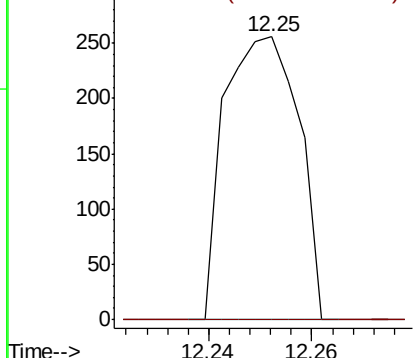
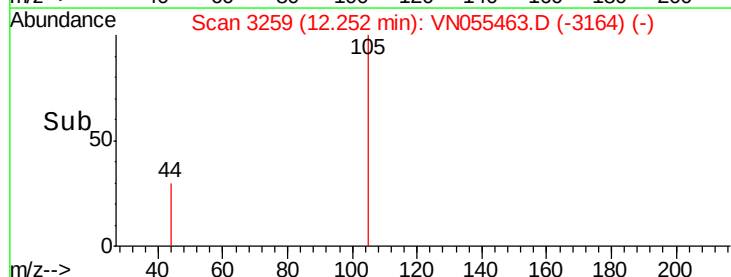
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	12.9	38.7#

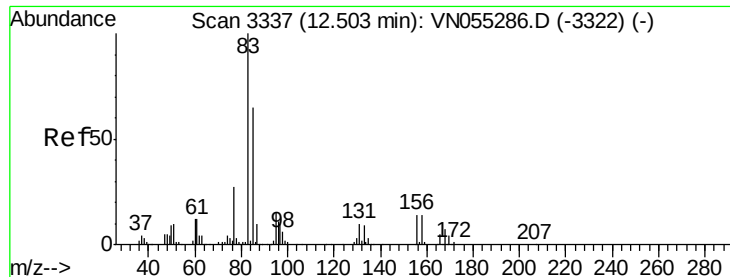


Abundance

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: 12.41 min Scan# 3309

Delta R.T. -0.09 min

Lab File: VN055463.D

Acq: 8 May 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1824-01

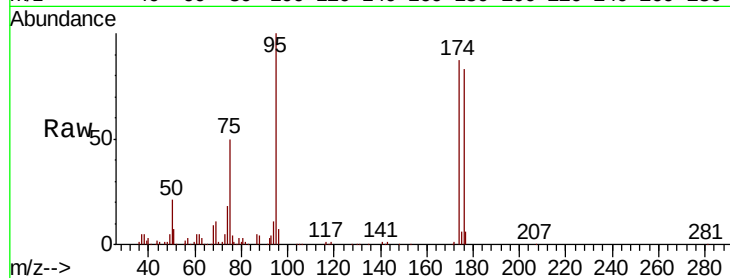
Tot Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 655.2 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

250

200

150

100

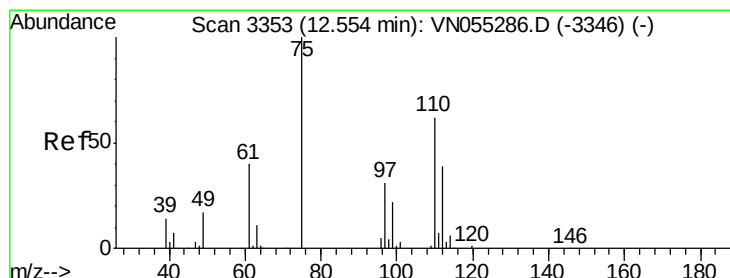
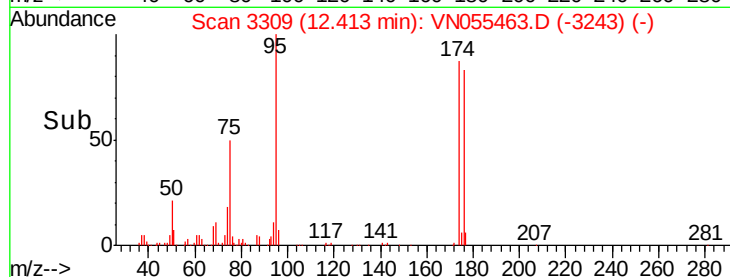
50

0

12.41

12.42

Time-->



#76

1,2,3-Trichloropropane

Concen: 35.826 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055463.D

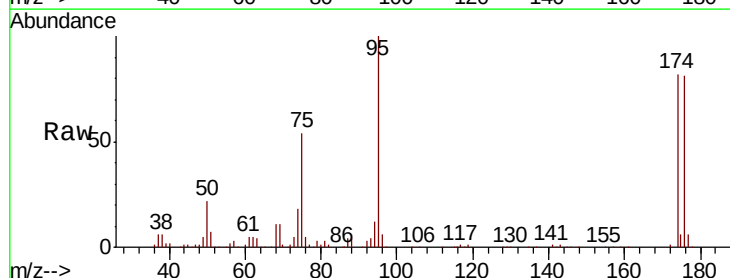
Acq: 8 May 2019 2:50

Tgt Ion: 75 Resp: 128373

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

80000

60000

40000

20000

0

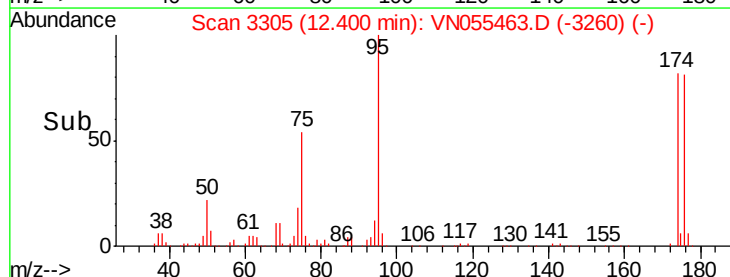
12.35

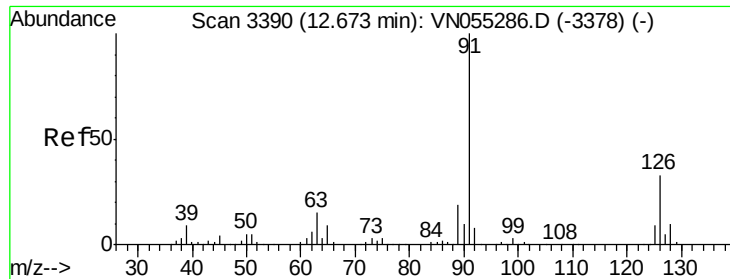
12.40

12.45

12.50

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN055463.D

Acq: 8 May 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

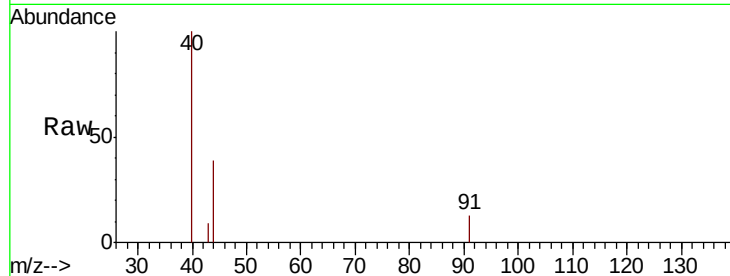
P026-SS002-1824-01

Tot Ion: 91 Resp: 402

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

12.59

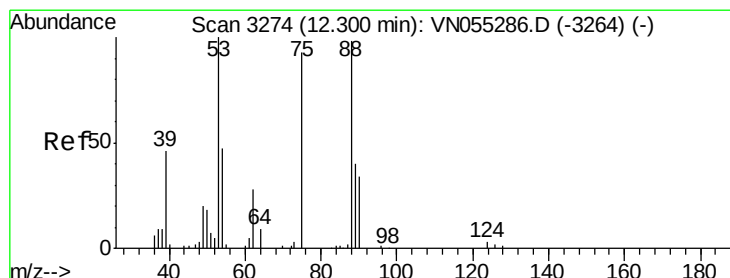
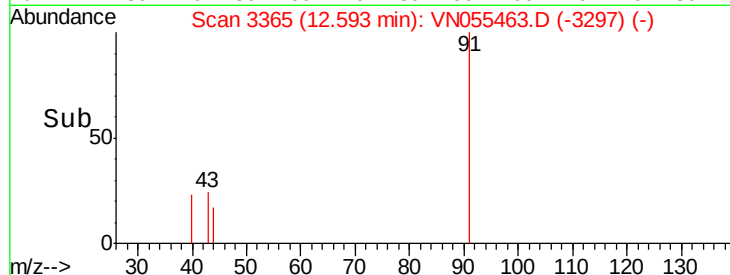
300

200

100

0

Time--> 12.56 12.58 12.60



#81

trans-1,4-Dichloro-2-butene

Concen: 128.710 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055463.D

Acq: 8 May 2019 2:50

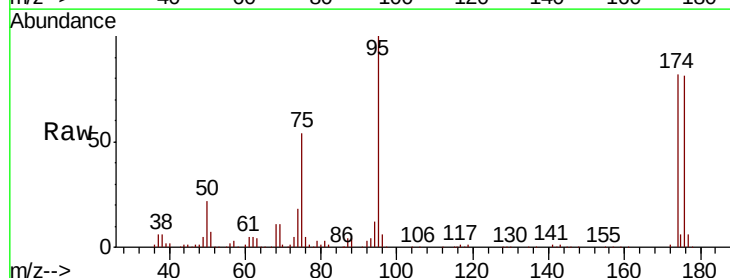
Tgt Ion: 75 Resp: 128373

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

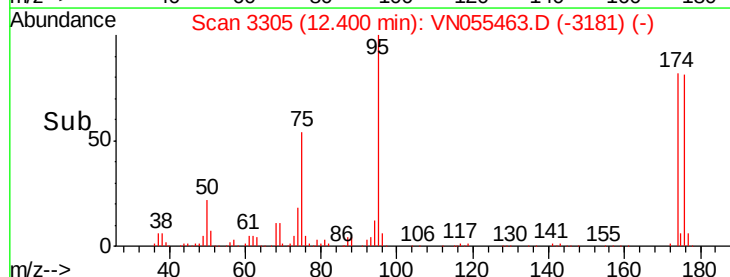
60000

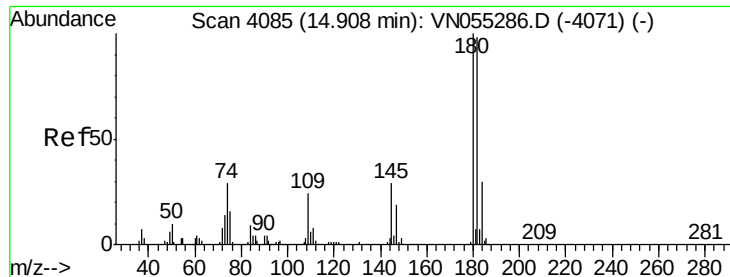
40000

20000

0

Time--> 12.35 12.40 12.45 12.50

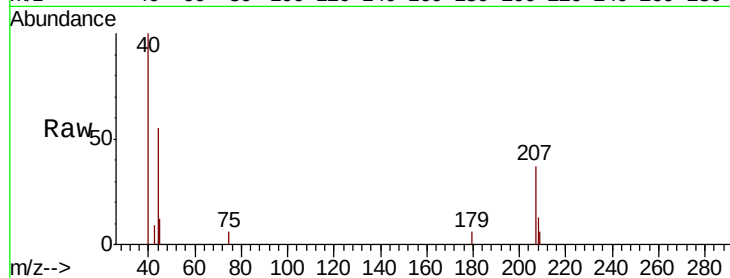




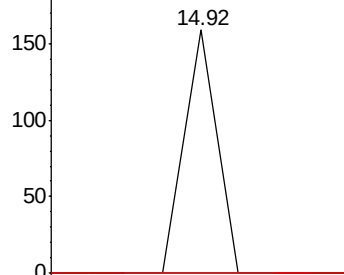
#93
 1,2,4-Trichlorobenzene
 Concen: 3.322 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN055463.D
 Acq: 8 May 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1824-01

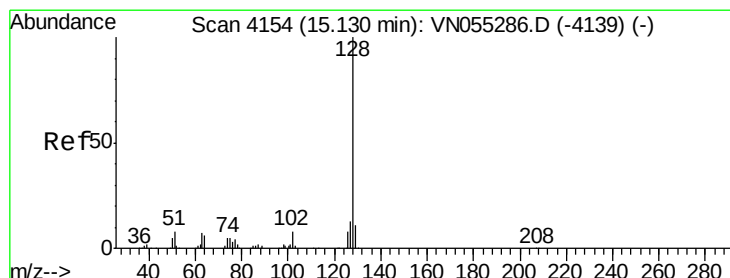
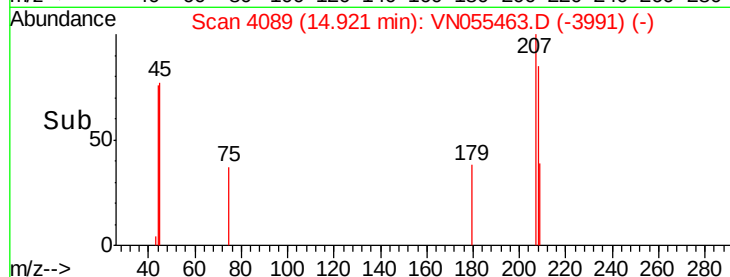
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.3	144.9#
145	0.0	14.2	42.6#



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

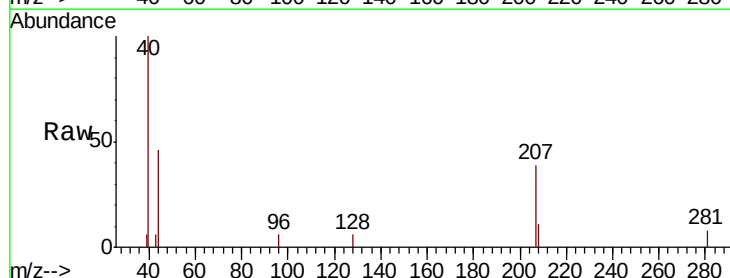


Time-->

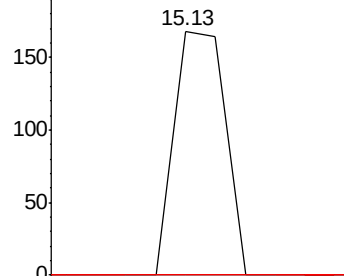


#95
 Naphthalene
 Concen: 3.340 ug/l
 RT: 15.13 min Scan# 4153
 Delta R.T. -0.00 min
 Lab File: VN055463.D
 Acq: 8 May 2019 2:50

Tgt 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



Time-->

