

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055457.D
 Acq On : 8 May 2019 00:19
 Operator : JC/SP
 Sample : K2717-05
 Misc : 4.74g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS001-1824-01

Quant Time: May 08 05:55:12 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	447640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	682089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	187996	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	291013	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	7.59	113	212867	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	10.09	98	801782	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	244687	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

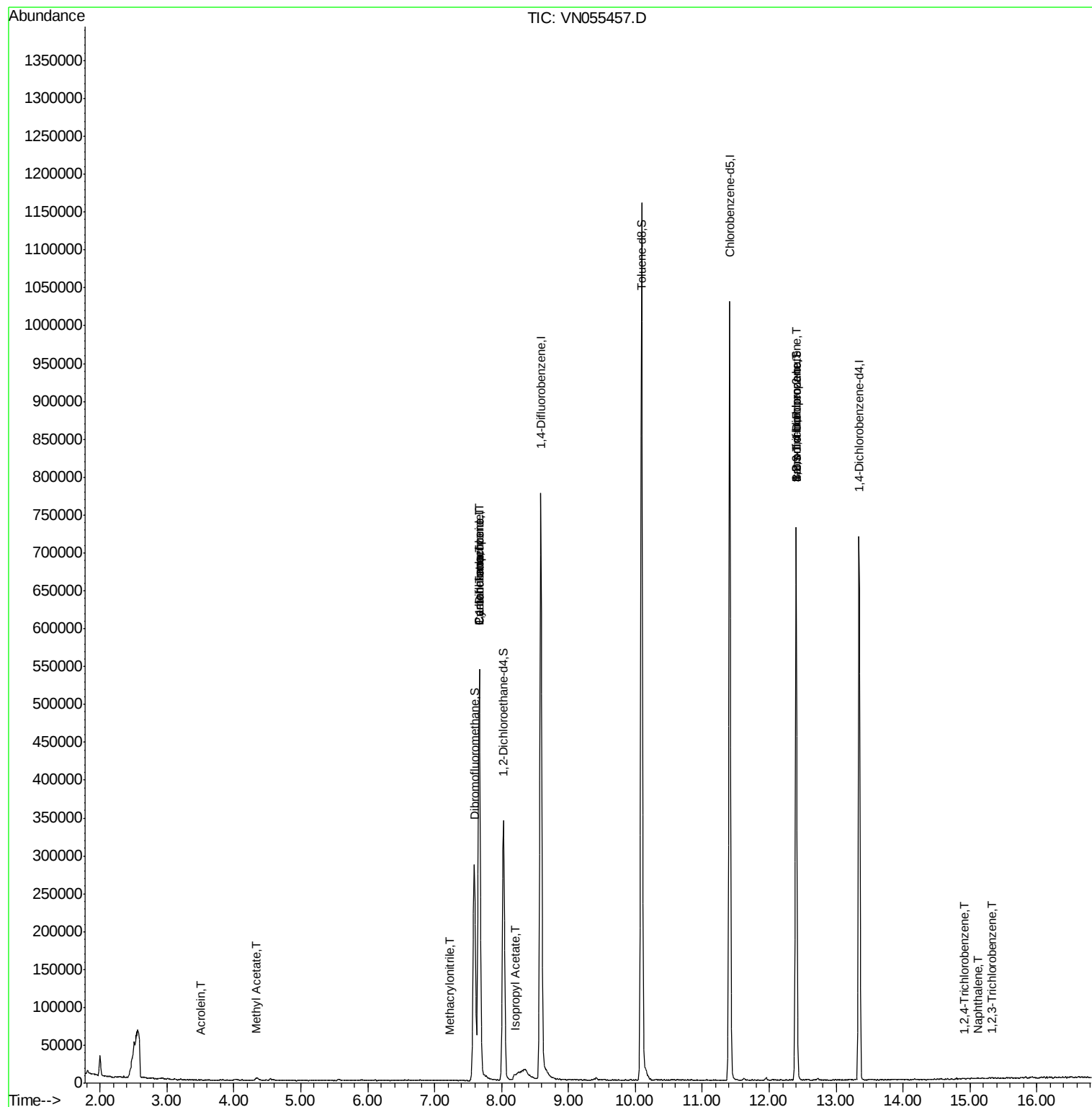
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.50	56	62	0.237	ug/l #	14
18) Methyl Acetate	4.34	43	7366	0.635	ug/l #	84
31) Cyclohexane	7.66	56	10104	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	34938	5.348	ug/l #	50
38) Carbon Tetrachloride	7.67	117	41327	6.557	ug/l #	16
41) Methacrylonitrile	7.23	41	175	0.804	ug/l #	57
43) Isopropyl Acetate	8.19	43	3077	0.382	ug/l #	56
71) Bromoform	12.40	173	1555	0.655	ug/l #	1
73) Isopropylbenzene	12.25	105	129	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.41	83	162	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	129070	36.244	ug/l #	100
79) 2-Chlorotoluene	12.67	91	69	Below Cal		84
81) trans-1,4-Dichloro-2-buten	12.40	75	129070	130.107	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	125	3.358	ug/l #	15
95) Naphthalene	15.14	128	428	3.405	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	107	2.655	ug/l #	12

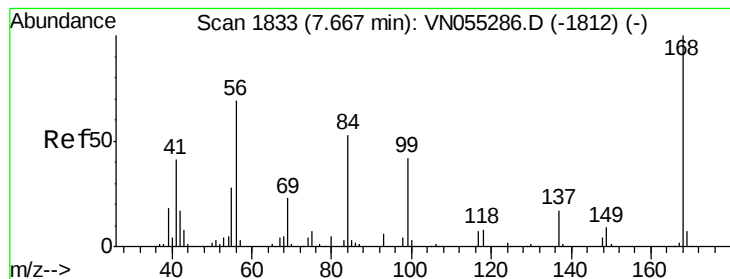
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050719\
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P026-SS001-1824-01

Quant Time: May 08 05:55:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

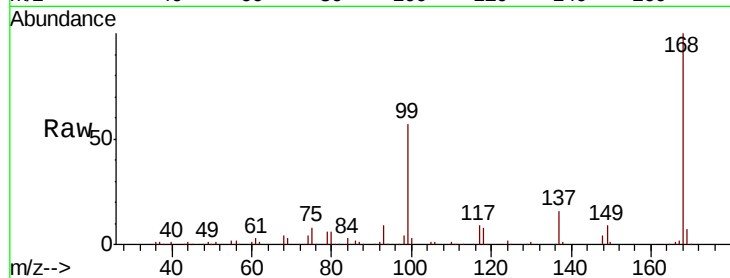
P026-SS001-1824-01

Tot Ion:168 Resp: 447640

Ion Ratio Lower Upper

168 100

99 57.2 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055457.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055457.D (-1740) (-)

7.67

200000

150000

100000

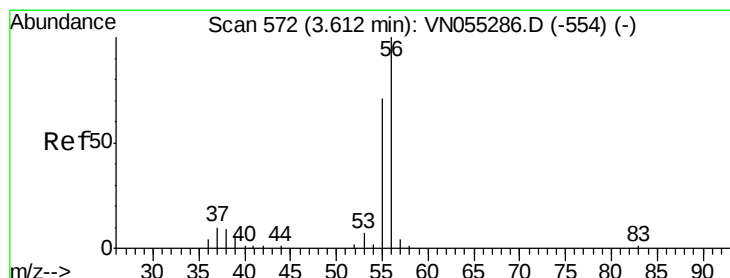
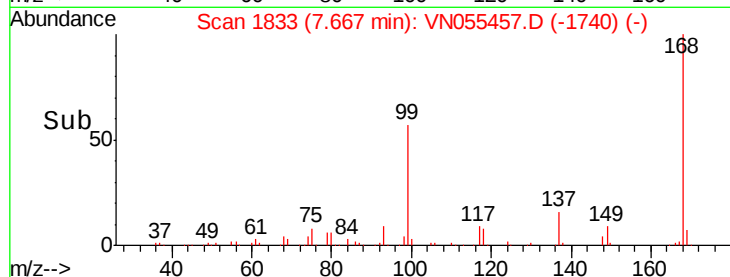
50000

0

7.60

7.70

Time-->



#13

Acrolein

Concen: 0.237 ug/l

RT: 3.50 min Scan# 538

Delta R.T. -0.11 min

Lab File: VN055457.D

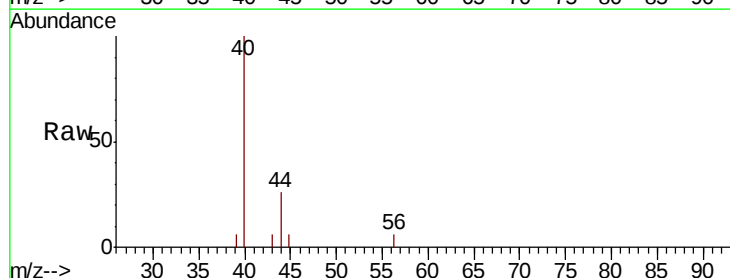
Acq: 8 May 2019 00:19

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VN055457.D (-479) (-)

Ion 55.00 (54.70 to 55.70): VN055457.D (-479) (-)

3.50

200

150

100

50

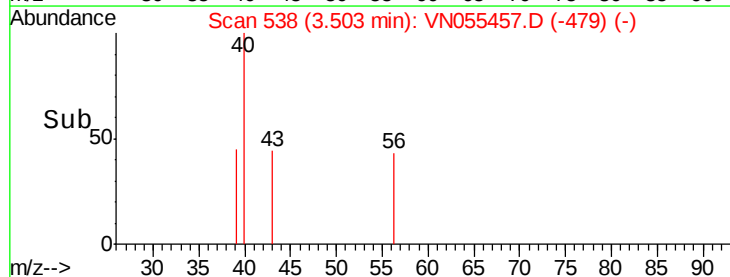
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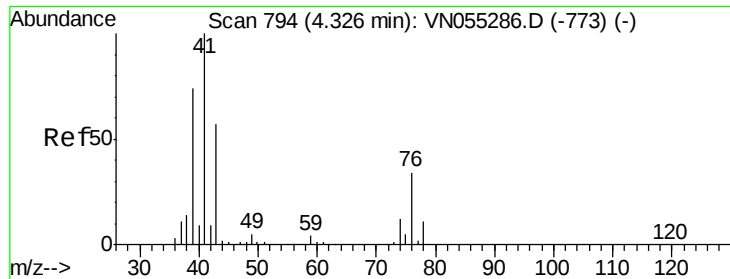
3.49

3.50

3.51

Time-->

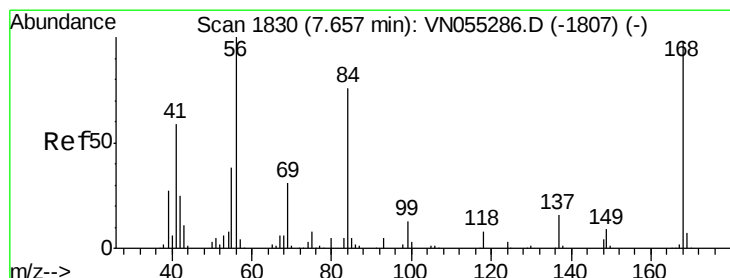
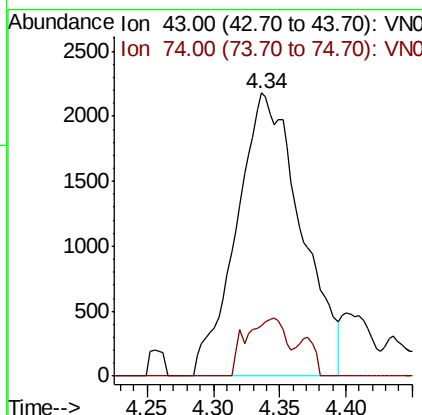
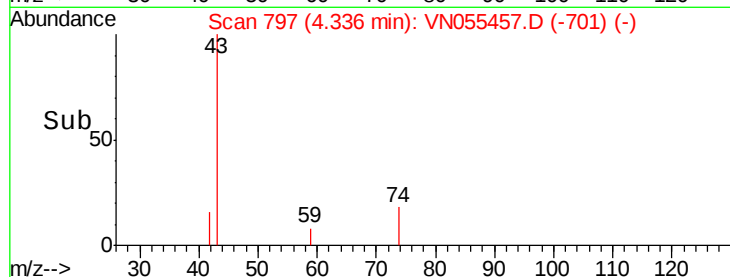
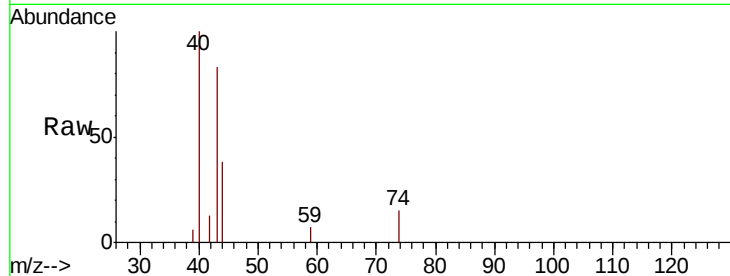




#18
Methyl Acetate
Concen: 0.635 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055457.D
Acq: 8 May 2019 00:19

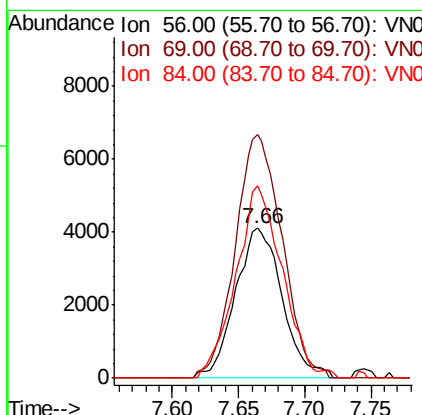
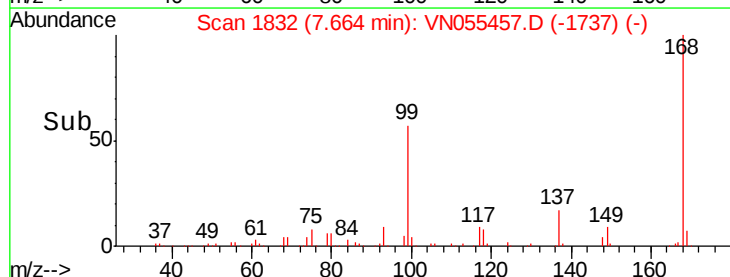
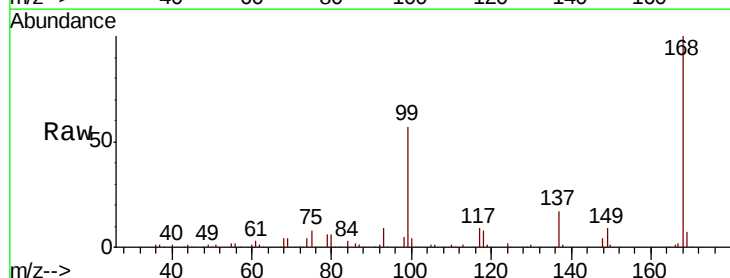
Instrument :
MSVOA_N
ClientSampleId :
P026-SS001-1824-01

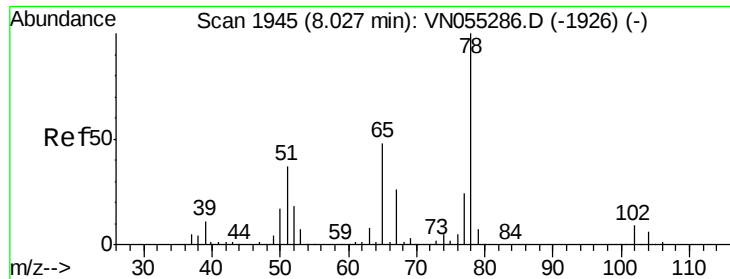
Tot Ion: 43 Resp: 7366
Ion Ratio Lower Upper
43 100
74 12.5 15.8 23.8#



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055457.D
Acq: 8 May 2019 00:19

Tgt Ion: 56 Resp: 10104
Ion Ratio Lower Upper
56 100
69 162.5 25.2 37.8#
84 128.5 61.1 91.7#

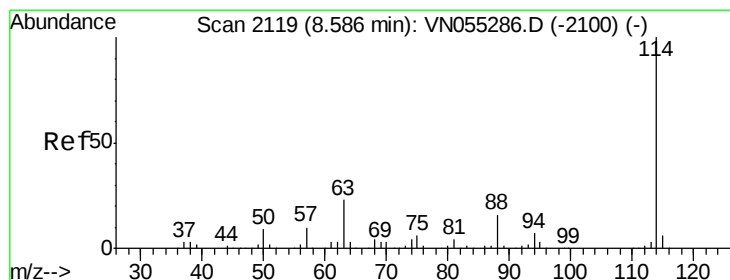
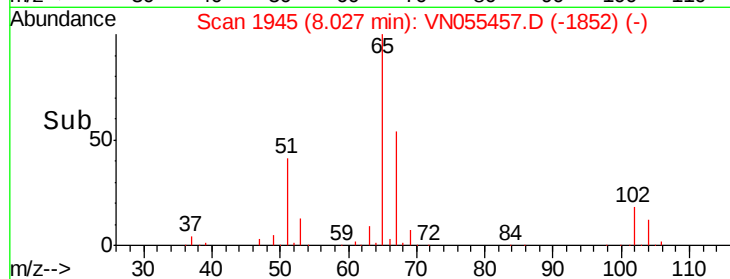
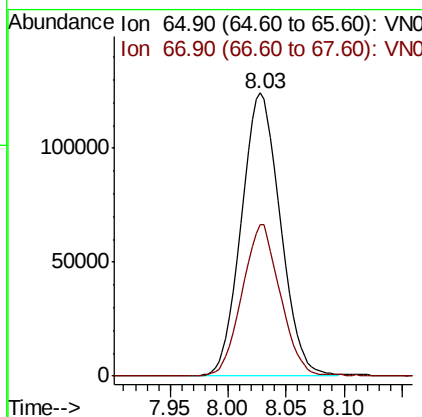
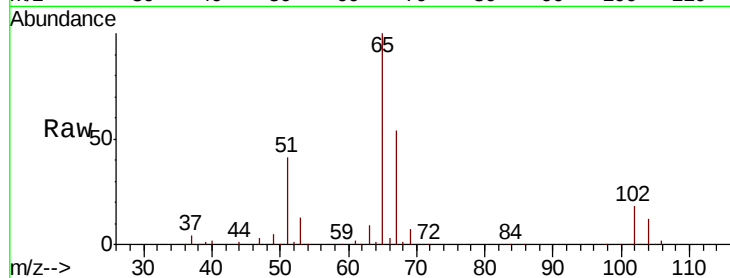




#33
 1,2-Dichloroethane-d4
 Concen: 49.694 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055457.D
 Acq: 8 May 2019 00:19

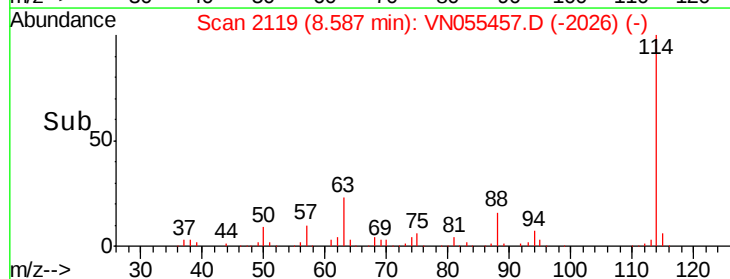
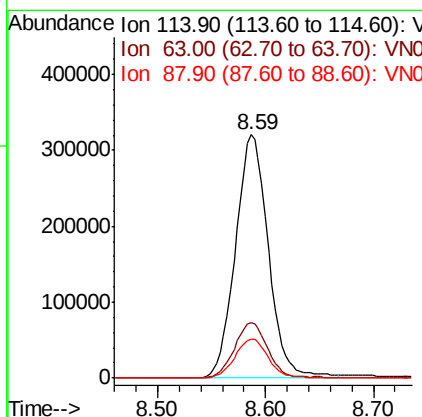
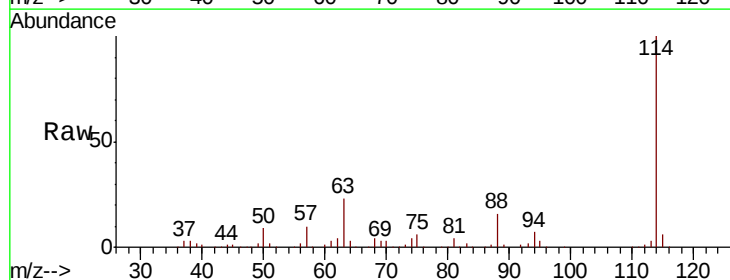
Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS001-1824-01

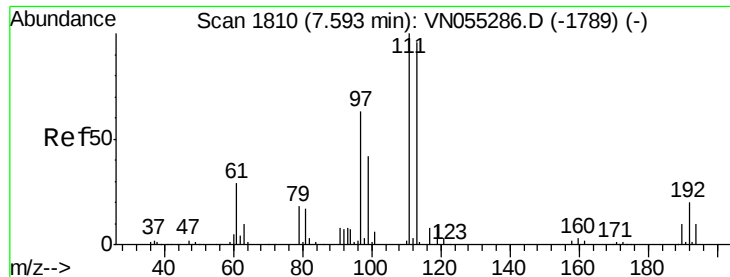
Tot Ion: 65 Resp: 291013
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055457.D
 Acq: 8 May 2019 00:19

Tgt Ion: 114 Resp: 682089
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.2
 88 16.0 0.0 31.6

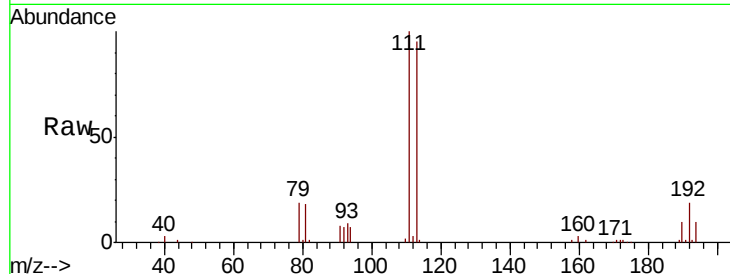




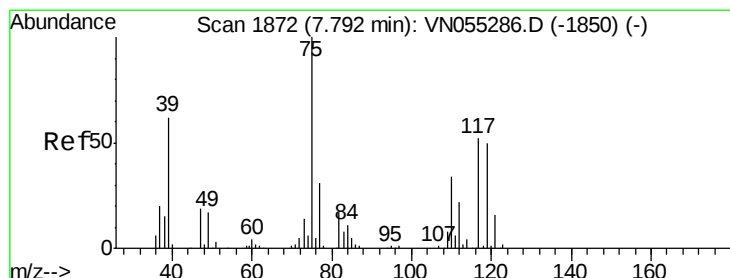
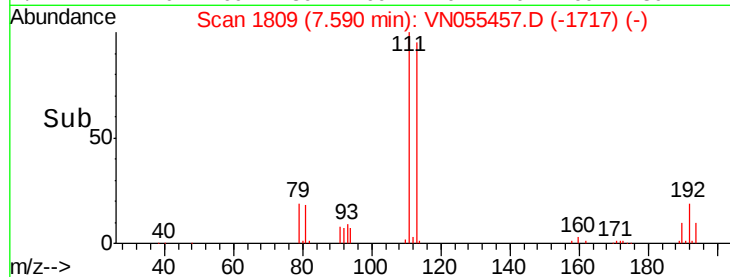
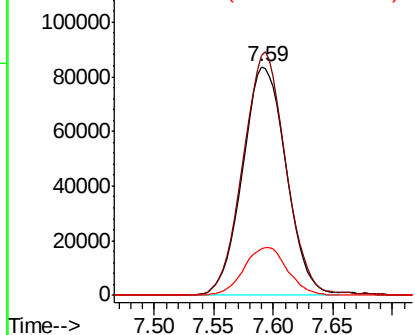
#35
 Dibromofluoromethane
 Concen: 47.547 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055457.D
 Acq: 8 May 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS001-1824-01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.3	123.5
192	20.9	17.0	25.6

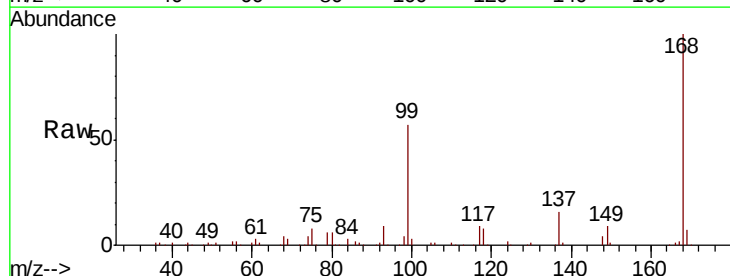


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

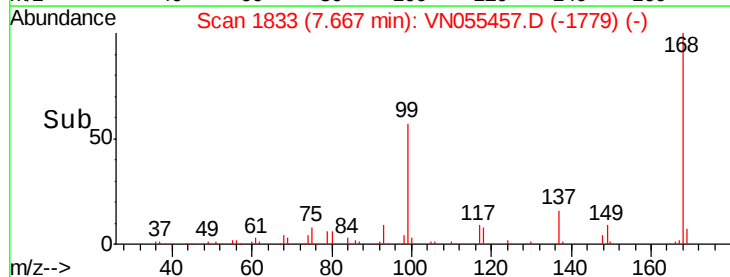
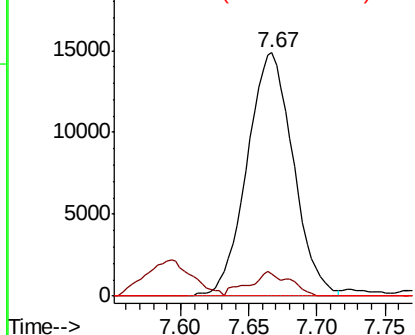


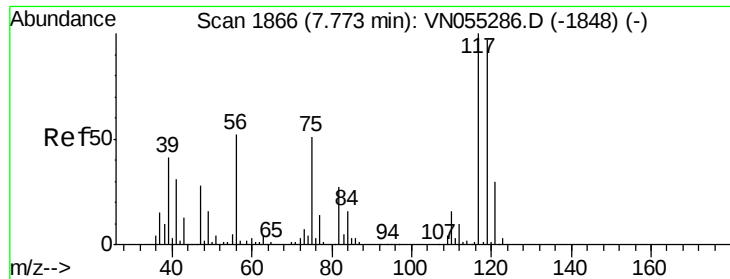
#36
 1,1-Dichloropropene
 Concen: 5.348 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055457.D
 Acq: 8 May 2019 00:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.8	50.4#
77	0.0	25.0	37.6#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.557 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

P026-SS001-1824-01

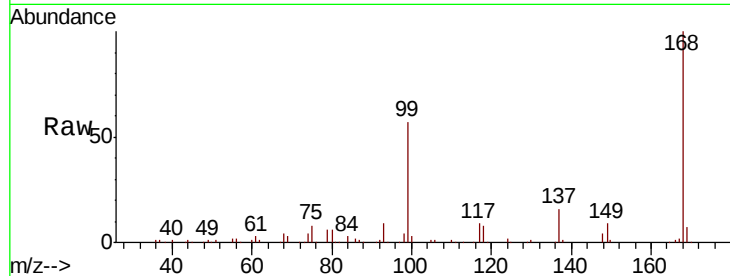
Tot Ion:117 Resp: 41327

Ion Ratio Lower Upper

117 100

119 5.2 77.0 115.6#

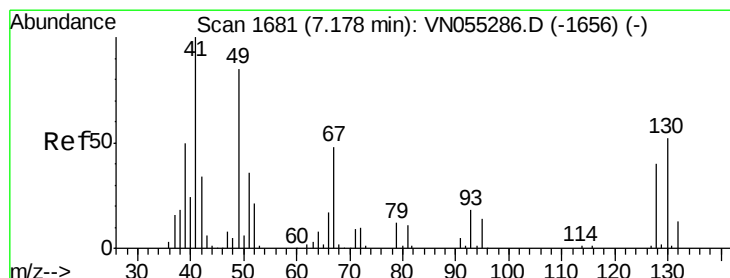
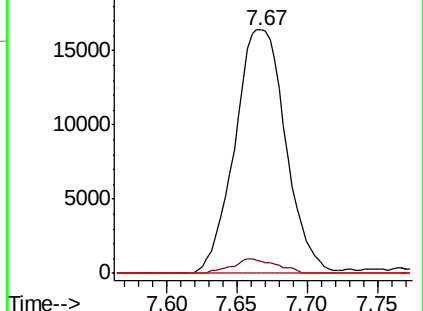
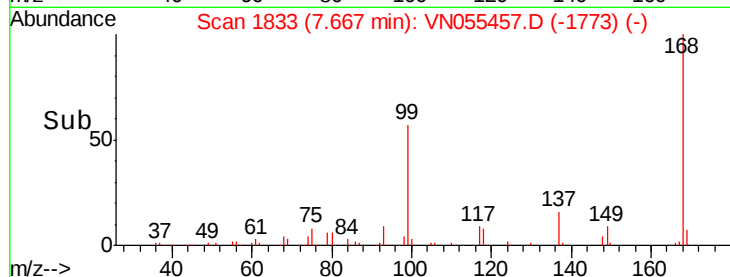
121 0.0 23.8 35.8#



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: 0.804 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.05 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

Tgt Ion: 41 Resp: 175

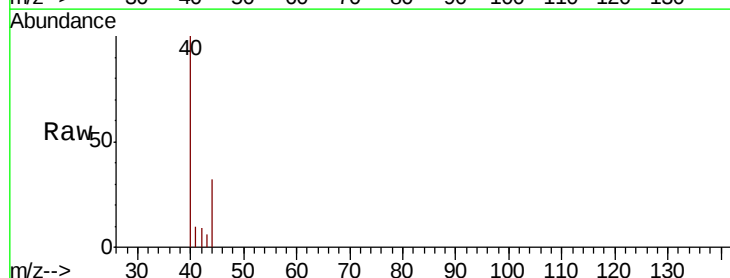
Ion Ratio Lower Upper

41 100

39 65.7 48.5 72.7

67 0.0 54.9 82.3#

52 20.0 24.9 37.3#

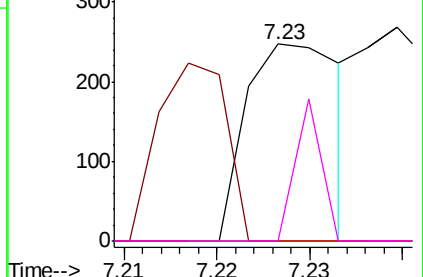
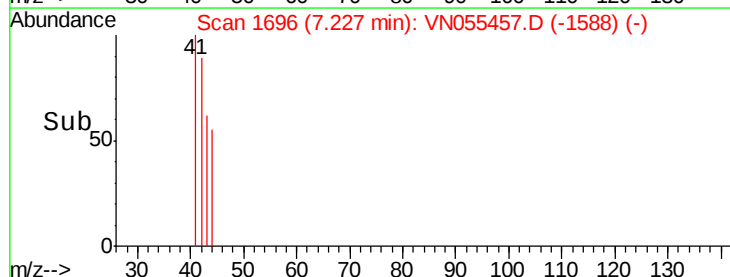


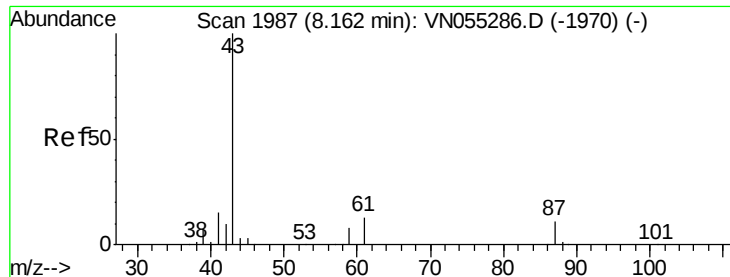
Abundance Ion 41.00 (40.70 to 41.70): V

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: 0.382 ug/l

RT: 8.19 min Scan# 1995

Delta R.T. 0.03 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

Instrument :

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ClientSampleId :

P026-SS001-1824-01

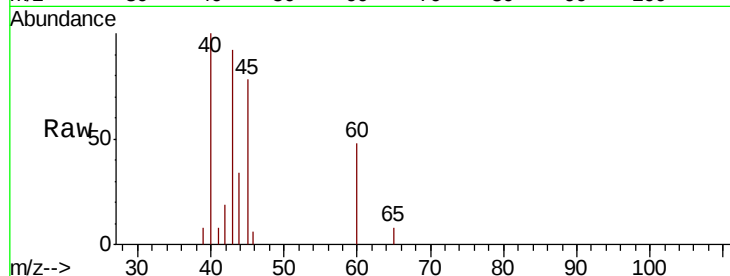
Tot Ion: 43 Resp: 3077

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

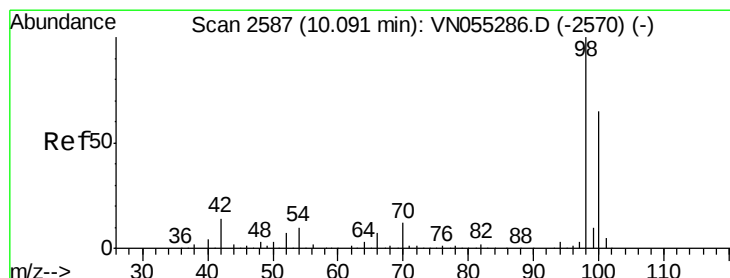
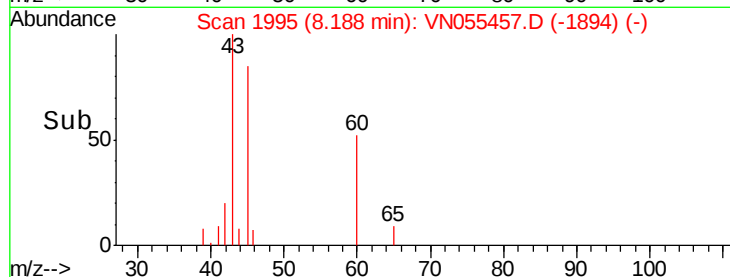
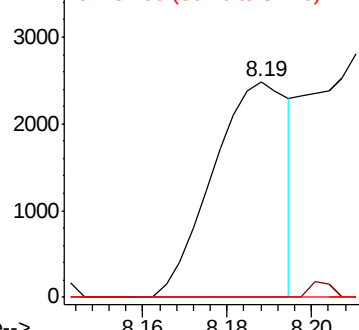
87 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055286.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055286.D (-1970) (-)



#50

Toluene-d8

Concen: 49.597 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055457.D

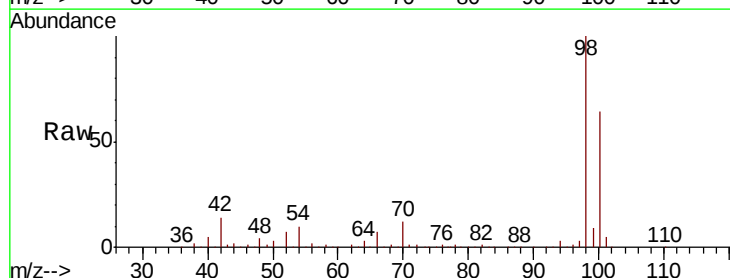
Acq: 8 May 2019 00:19

Tgt Ion: 98 Resp: 801782

Ion Ratio Lower Upper

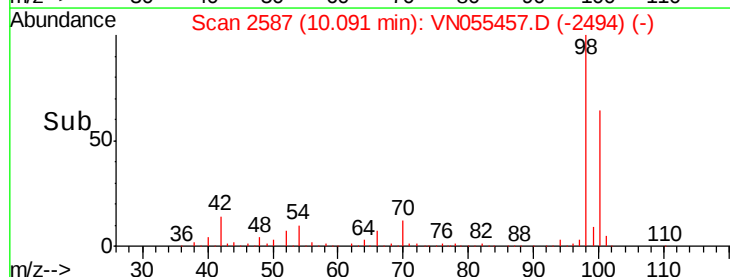
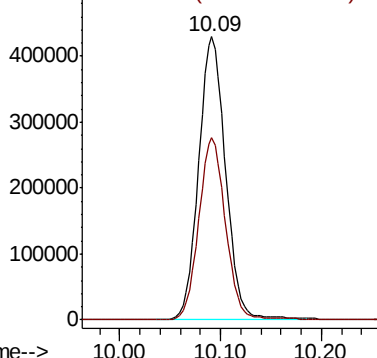
98 100

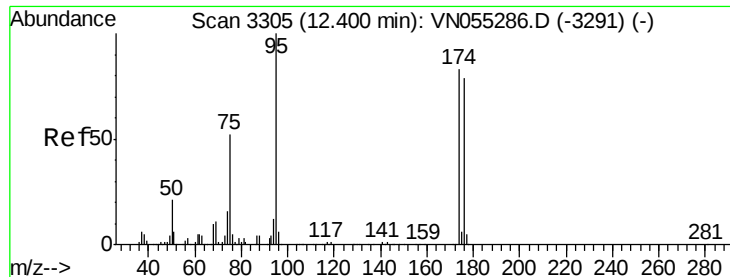
100 64.1 51.7 77.5



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

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





#62

4-Bromofluorobenzene

Concen: 48.429 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

P026-SS001-1824-01

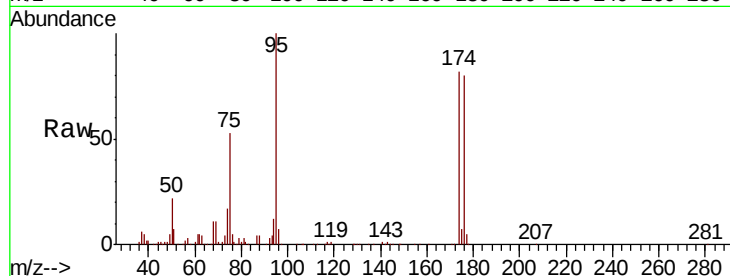
Tot Ion: 95 Resp: 244687

Ion Ratio Lower Upper

95 100

174 82.2 0.0 166.6

176 79.4 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055457.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN055457.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN055457.D (-3212) (-)

200000

150000

100000

50000

0

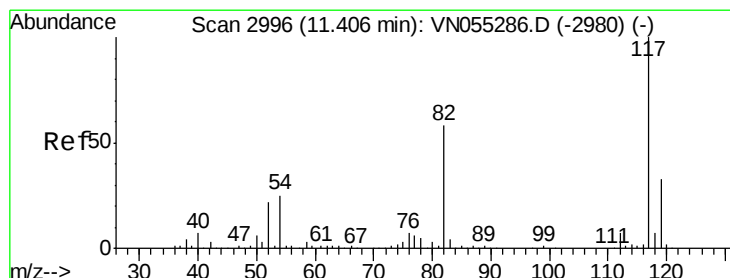
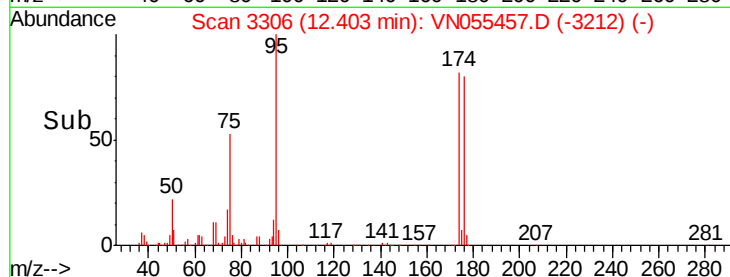
12.40

12.30

12.40

12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

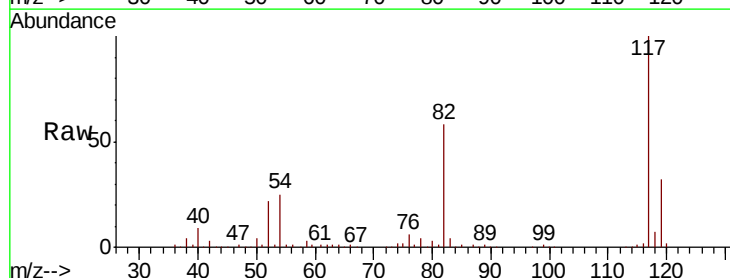
Tgt Ion: 117 Resp: 559234

Ion Ratio Lower Upper

117 100

82 58.4 46.2 69.4

119 32.5 26.6 40.0



Abundance Ion 116.90 (116.60 to 117.60): VN055457.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055457.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055457.D (-2903) (-)

400000

300000

200000

100000

0

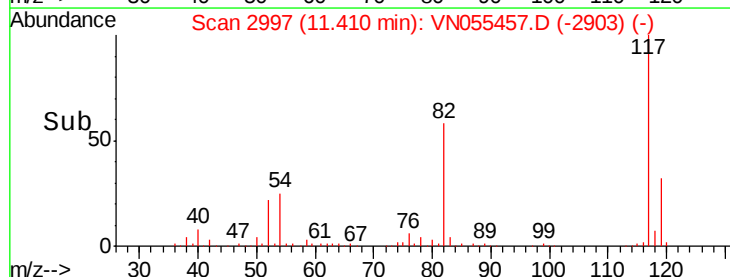
11.41

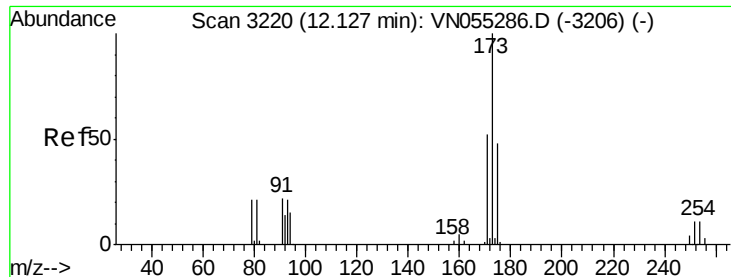
11.30

11.40

11.50

Time-->

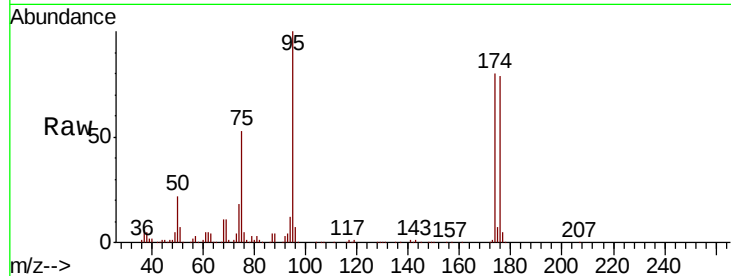




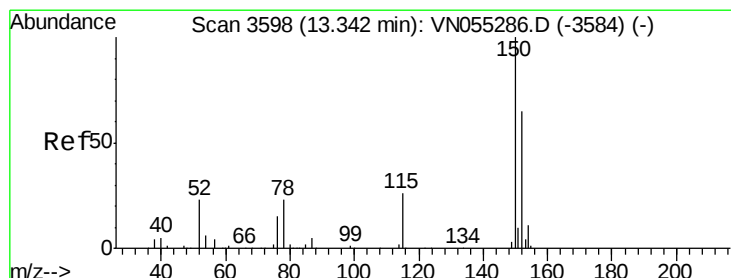
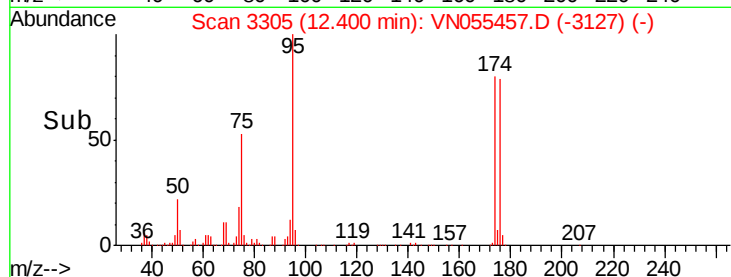
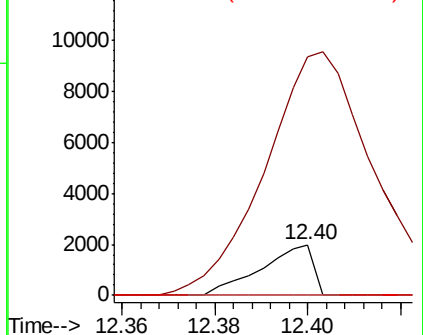
#71
Bromoform
Concen: 0.655 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055457.D
Acq: 8 May 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
P026-SS001-1824-01

Tot Ion:173 Resp: 1555
Ion Ratio Lower Upper
173 100
175 843.5 23.6 71.0#
254 0.0 0.0 0.0

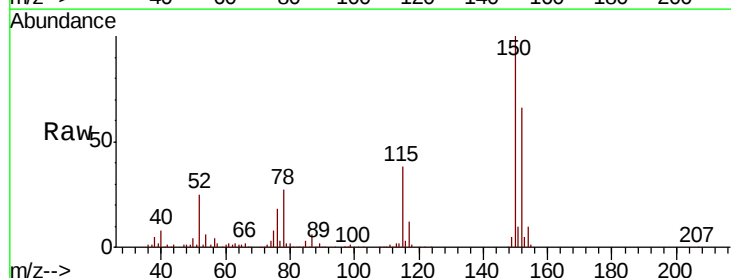


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

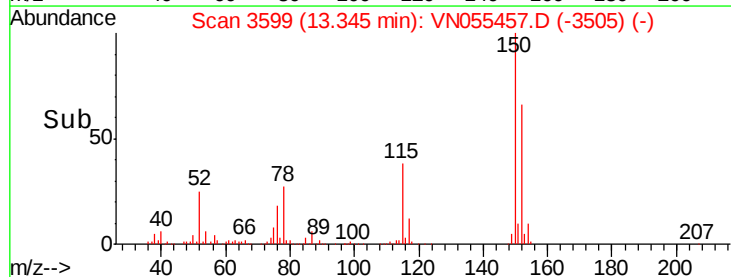
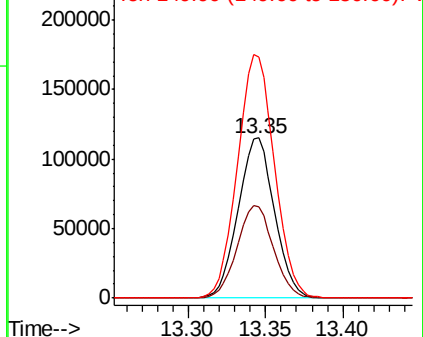


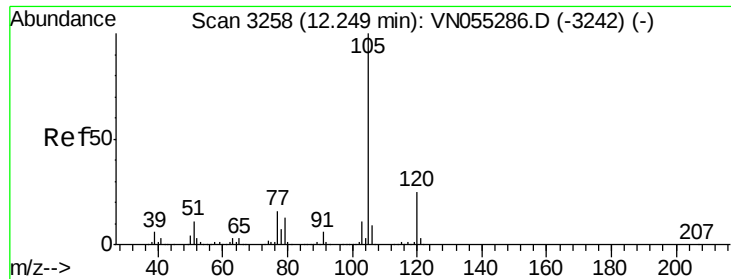
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055457.D
Acq: 8 May 2019 00:19

Tgt Ion:152 Resp: 187996
Ion Ratio Lower Upper
152 100
115 58.0 29.0 87.0
150 154.8 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# 3258

Delta R.T. 0.00 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

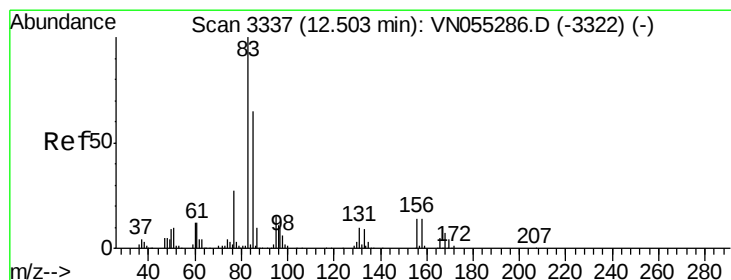
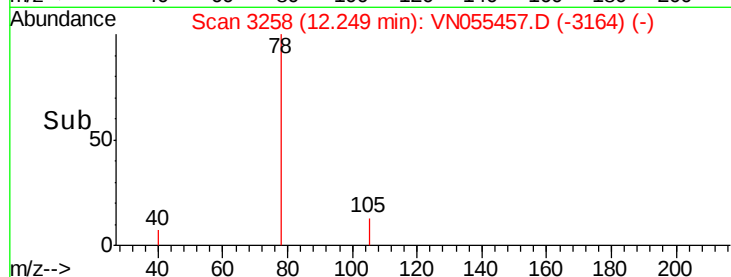
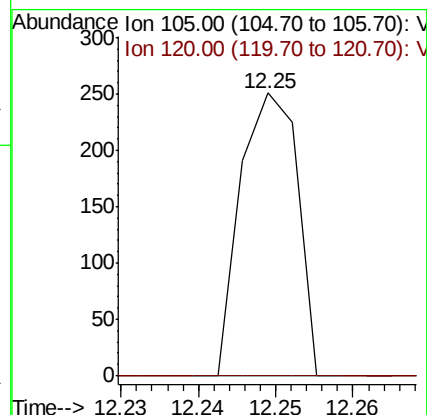
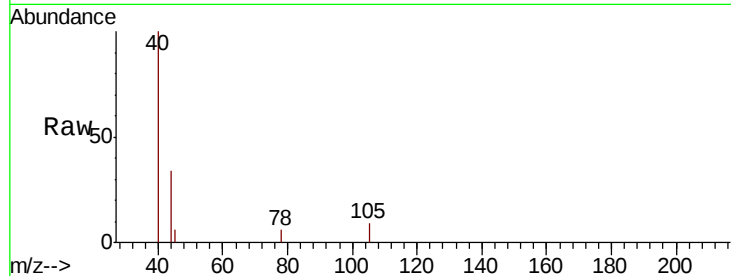
P026-SS001-1824-01

Tot Ion:105 Resp: 129

Ion Ratio Lower Upper

105 100

120 0.0 12.9 38.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

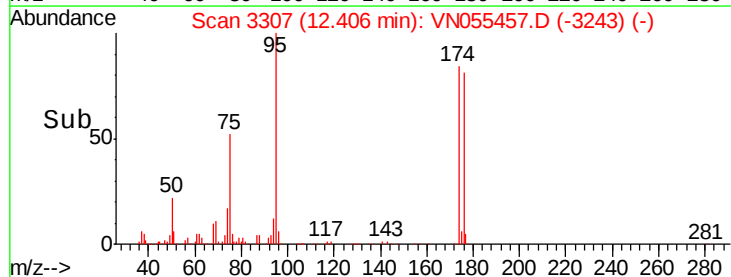
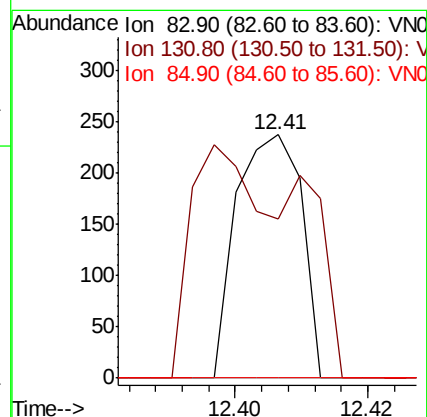
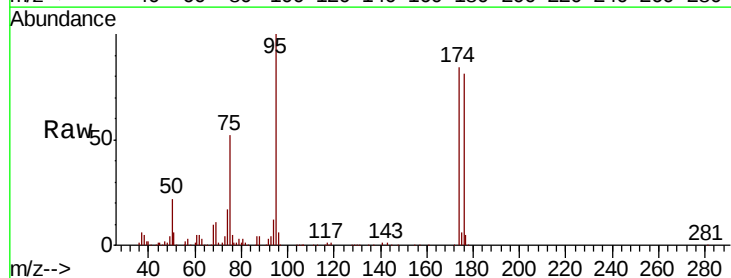
Tgt Ion: 83 Resp: 162

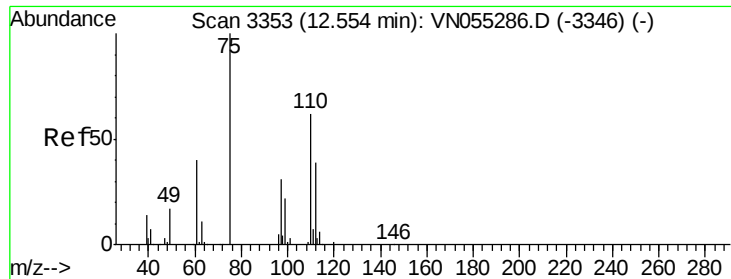
Ion Ratio Lower Upper

83 100

131 156.8 5.1 15.2#

85 0.0 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 36.244 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

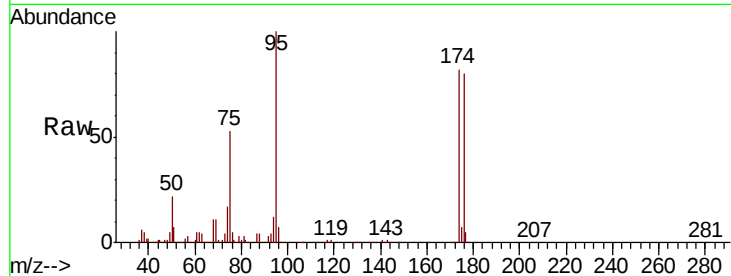
P026-SS001-1824-01

Tot Ion: 75 Resp: 129070

Ion Ratio Lower Upper

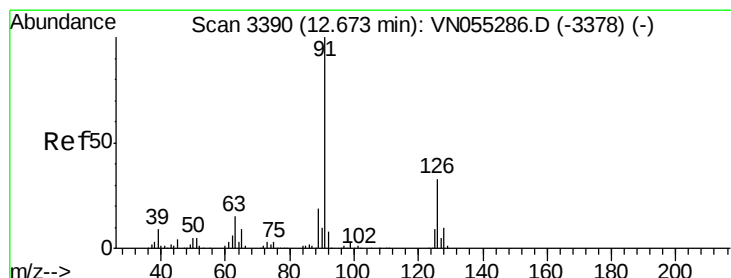
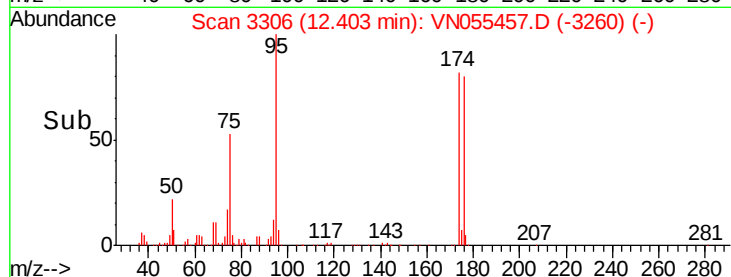
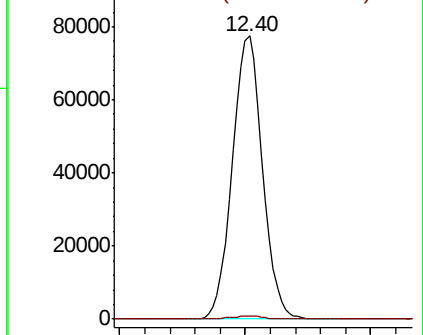
75 100

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: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055457.D

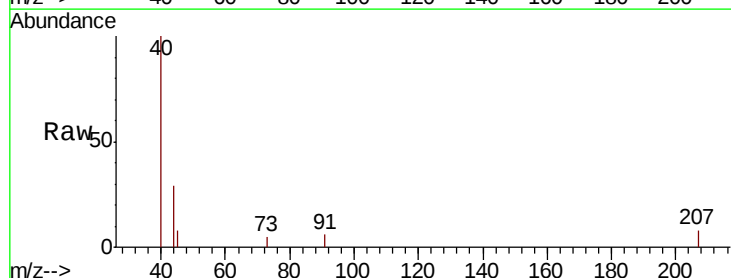
Acq: 8 May 2019 00:19

Tgt Ion: 91 Resp: 69

Ion Ratio Lower Upper

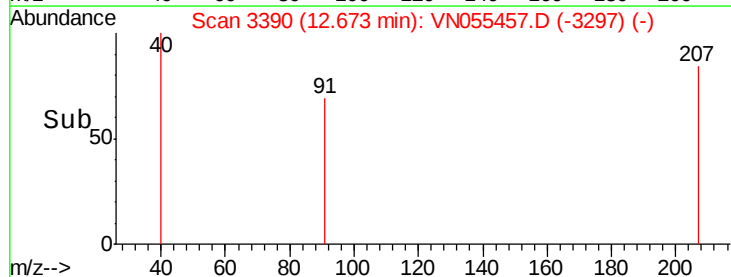
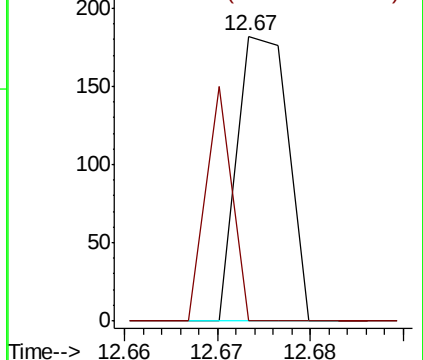
91 100

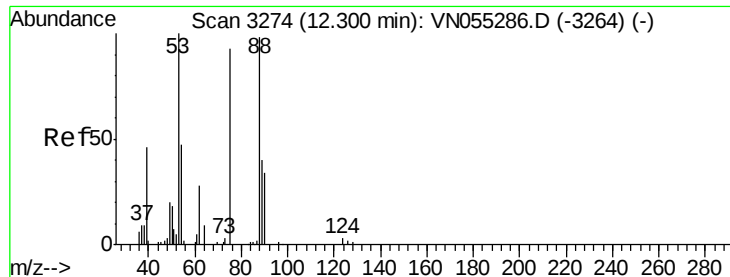
126 42.0 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 130.107 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

P026-SS001-1824-01

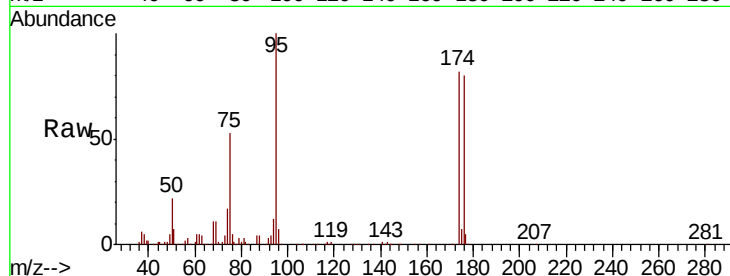
Tot Ion: 75 Resp: 129070

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

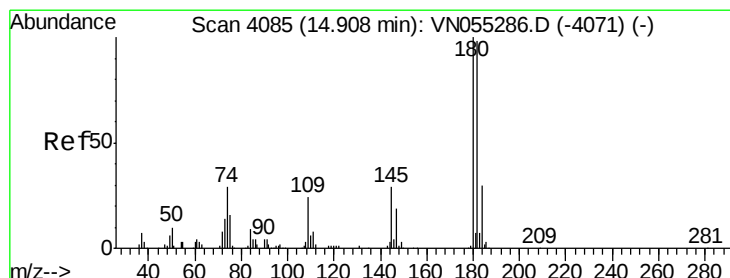
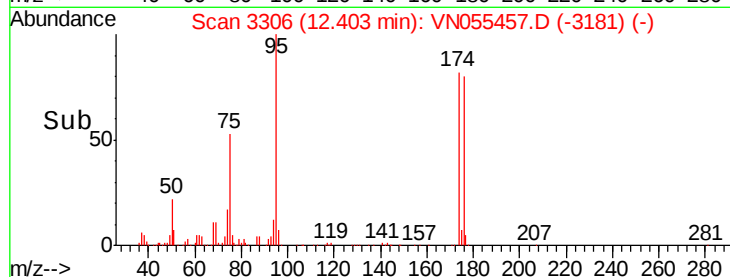
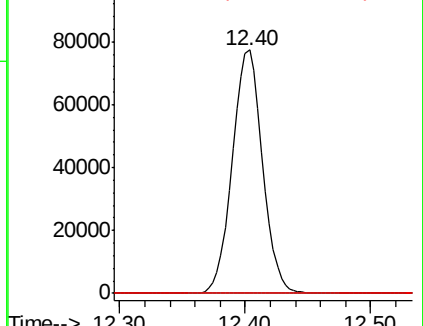
89 0.0 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055457.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055457.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055457.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.358 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

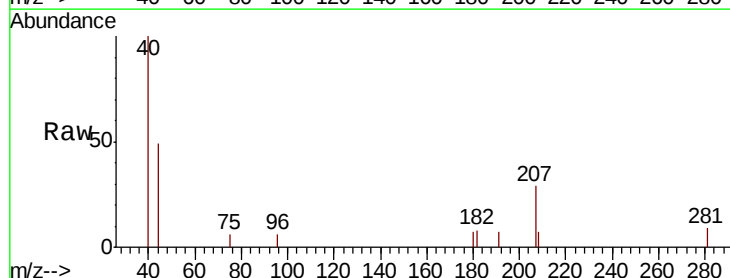
Tgt Ion: 180 Resp: 125

Ion Ratio Lower Upper

180 100

182 188.8 48.3 144.9#

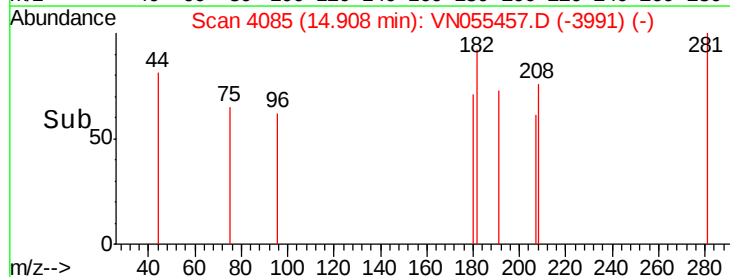
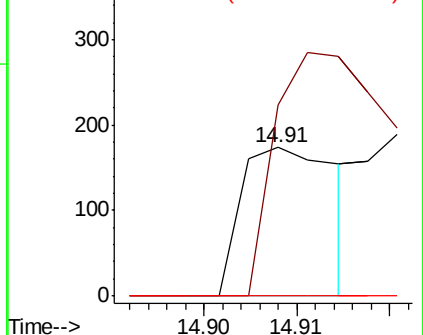
145 0.0 14.2 42.6#

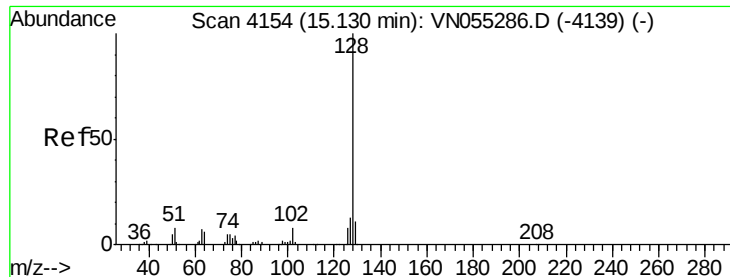


Abundance Ion 179.80 (179.50 to 180.50): VN055457.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN055457.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN055457.D (-3991) (-)





#95

Naphthalene

Concen: 3.405 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

P026-SS001-1824-01

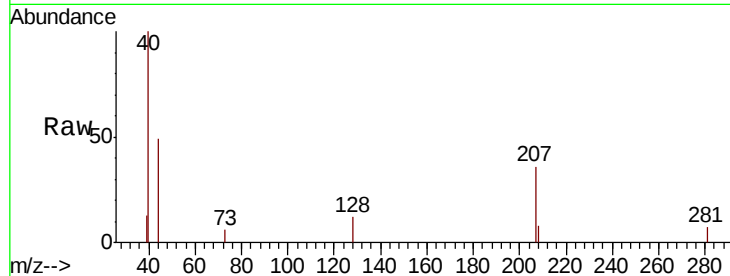
Tot Ion:128 Resp: 428

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

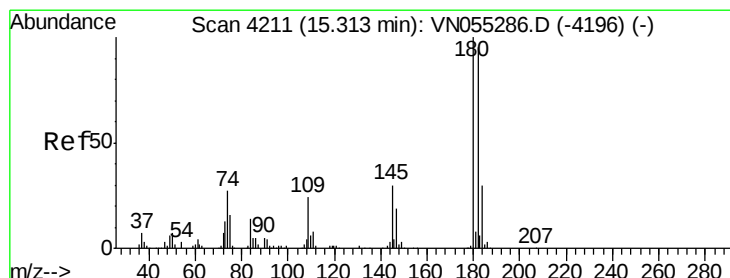
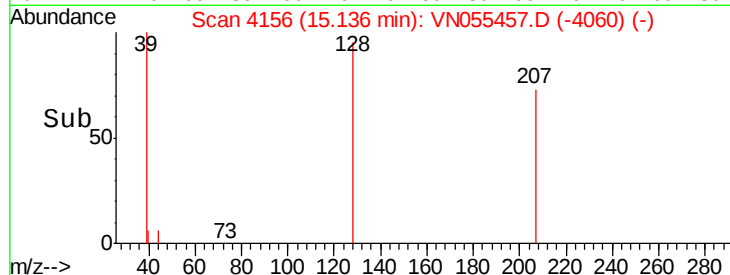
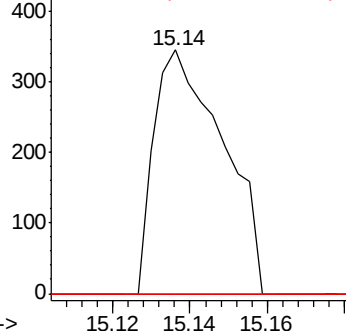
129 0.0 8.6 13.0#



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: 2.655 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055457.D

Acq: 8 May 2019 00:19

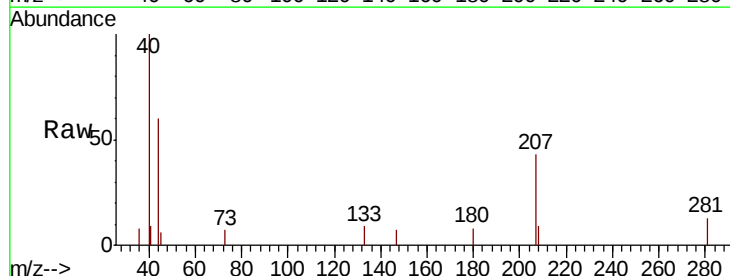
Tgt Ion:180 Resp: 107

Ion Ratio Lower Upper

180 100

182 0.0 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

