

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056286.D
 Acq On : 13 Jun 2019 17:06
 Operator : JC/SP
 Sample : K3350-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 01:13:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	345460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	586170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	568971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167539	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	198348	57.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.66%	
35) Dibromofluoromethane	7.59	113	180150	50.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.18%	
50) Toluene-d8	10.09	98	717128	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.40	95	229670	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	

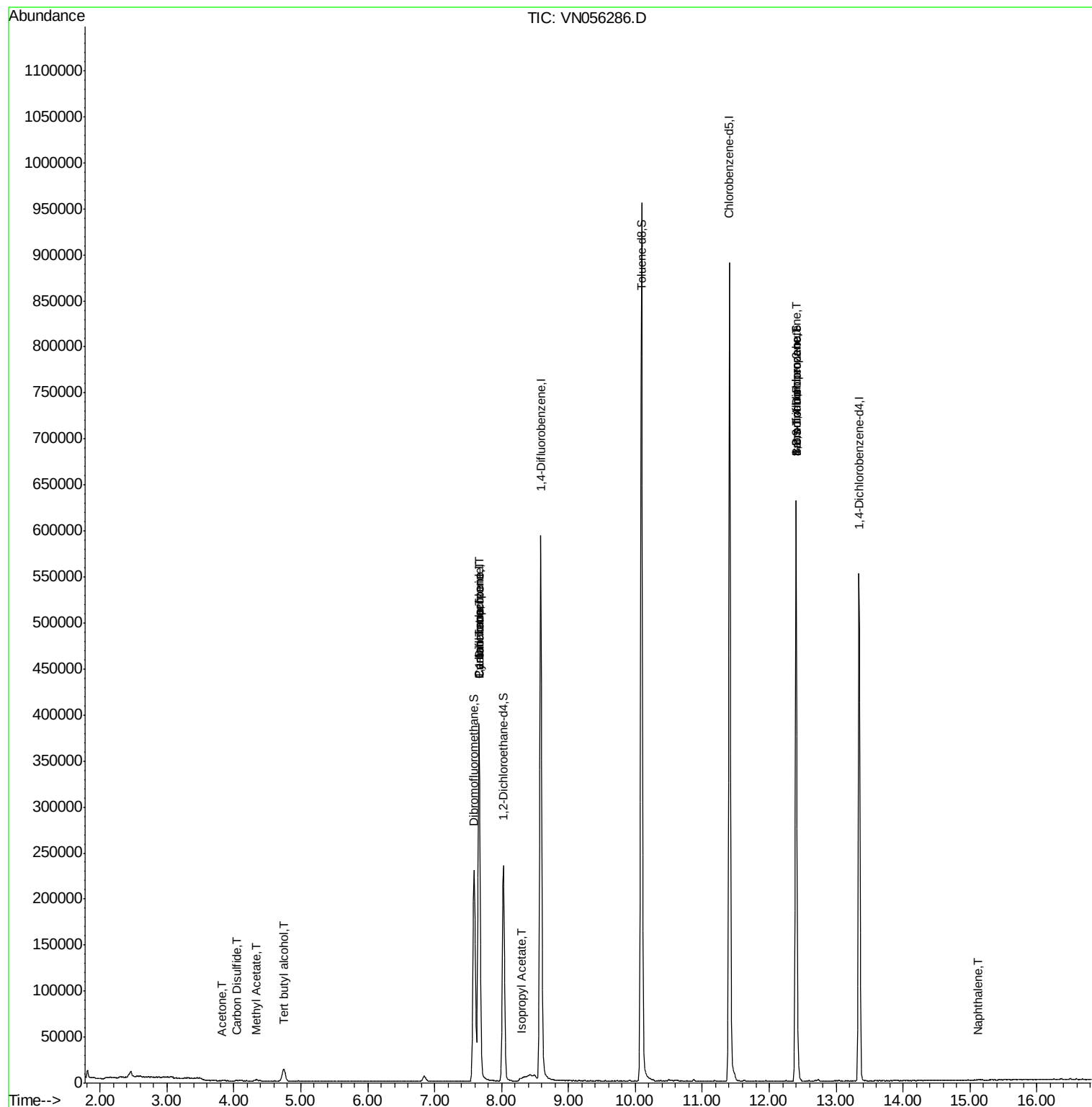
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	12211	20.457	ug/l #	74
16) Acetone	3.82	43	733	0.447	ug/l #	41
17) Carbon Disulfide	4.03	76	1611	0.232	ug/l #	74
18) Methyl Acetate	4.34	43	3918	0.645	ug/l #	89
31) Cyclohexane	7.66	56	5543	1.018	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	22768	4.517	ug/l #	48
38) Carbon Tetrachloride	7.67	117	30959	6.662	ug/l #	15
43) Isopropyl Acetate	8.29	43	2895	0.398	ug/l #	53
71) Bromoform	12.40	173	1655	3.219	ug/l #	1
73) Isopropylbenzene	12.25	105	237	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	104964	34.048	ug/l #	100
79) 2-Chlorotoluene	12.59	91	546	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	104964	113.388	ug/l #	15
95) Naphthalene	15.14	128	956	3.961	ug/l #	69

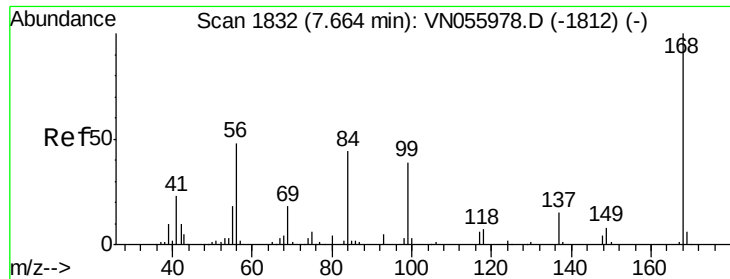
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061319\
Data File : VN056286.D
Acq On : 13 Jun 2019 17:06
Operator : JC/SP
Sample : K3350-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 14 01:13:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056286.D

Acq: 13 Jun 2019 17:06

Instrument :

MSVOA_N

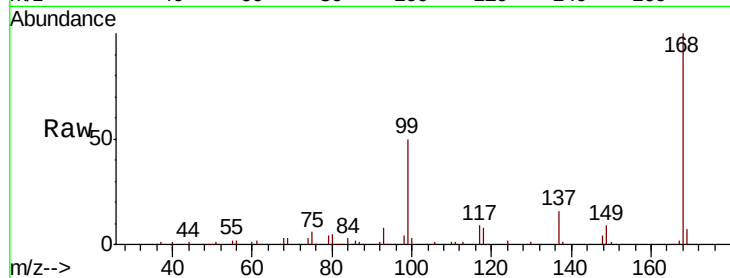
ClientSampleId :

Tot Ion:168 Resp: 345460

Ion Ratio Lower Upper

168 100

99 50.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

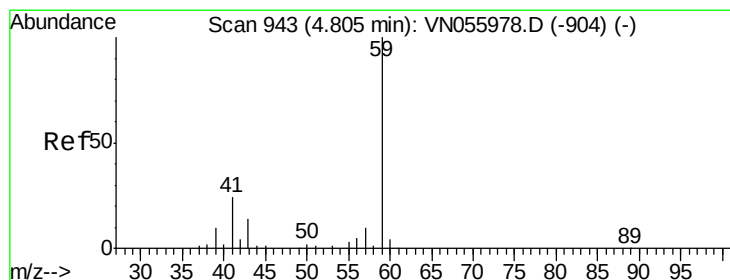
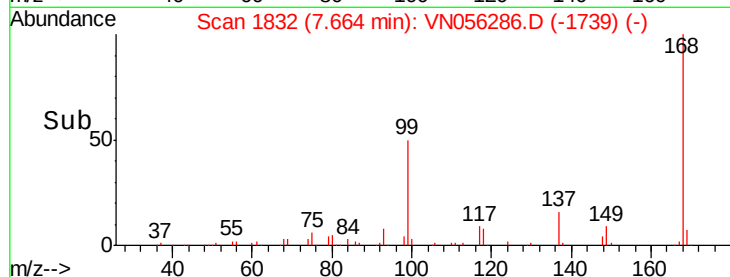
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 20.457 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.05 min

Lab File: VN056286.D

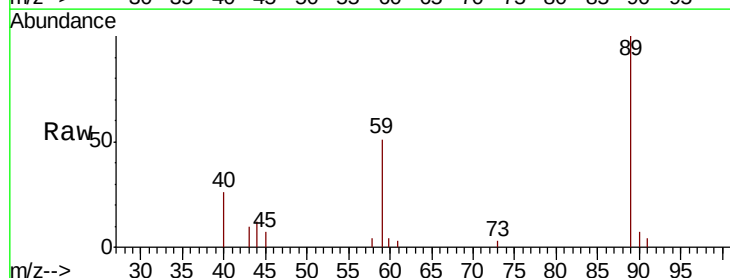
Acq: 13 Jun 2019 17:06

Tgt Ion: 59 Resp: 12211

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.75

3000

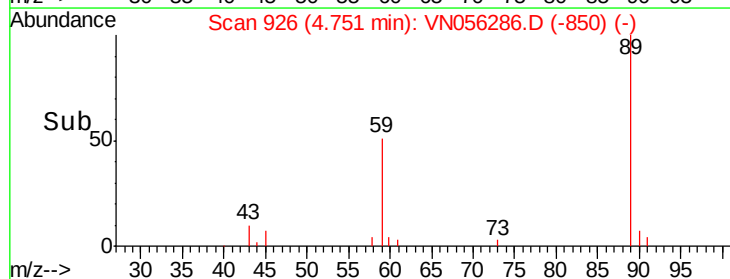
2000

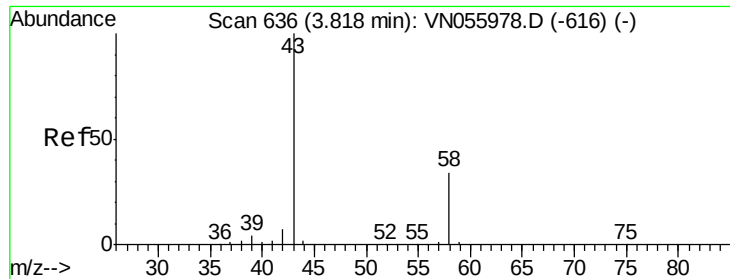
1000

0

4.70 4.80

Time-->





#16

Acetone

Concen: 0.447 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056286.D

Acq: 13 Jun 2019 17:06

Instrument :

MSVOA_N

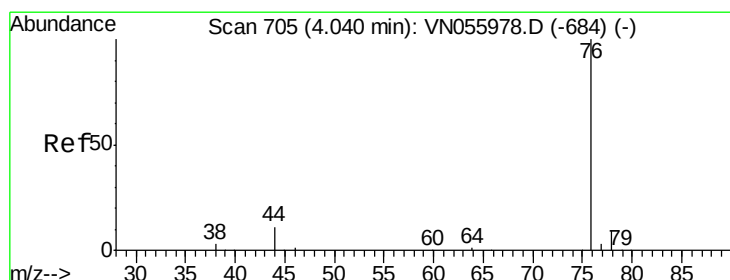
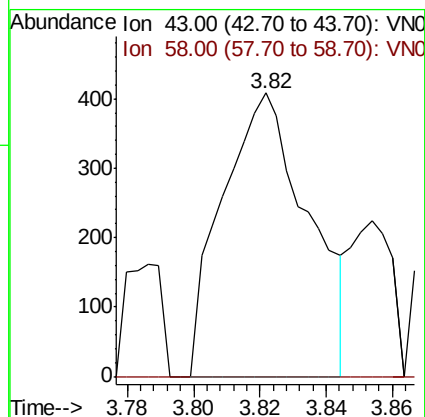
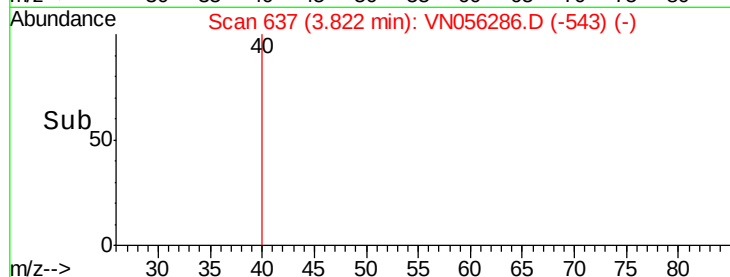
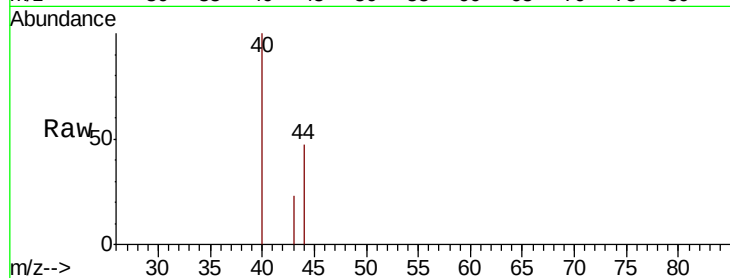
ClientSampled :

Tot Ion: 43 Resp: 733

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#17

Carbon Disulfide

Concen: 0.232 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN056286.D

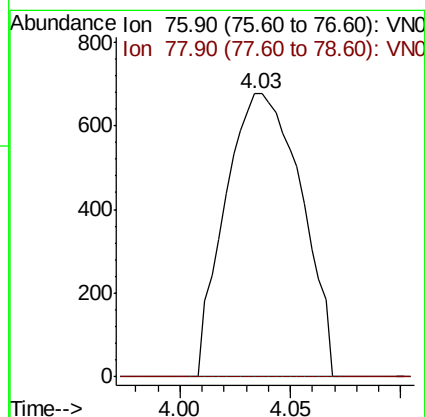
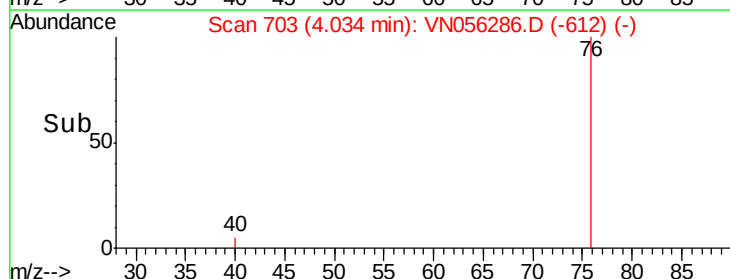
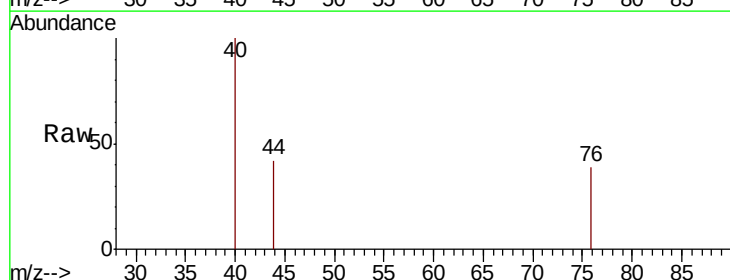
Acq: 13 Jun 2019 17:06

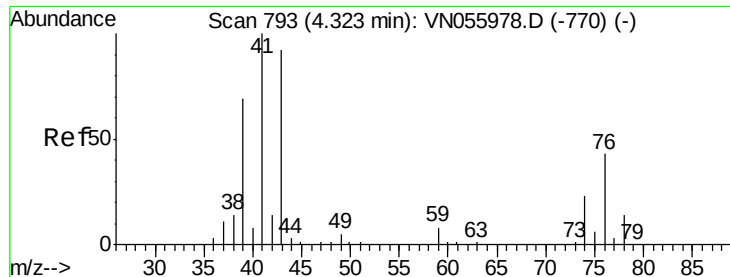
Tgt Ion: 76 Resp: 1611

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#

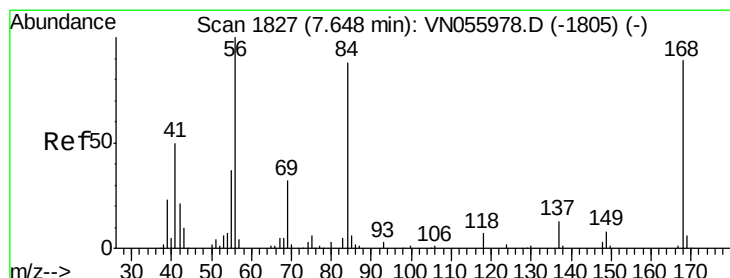
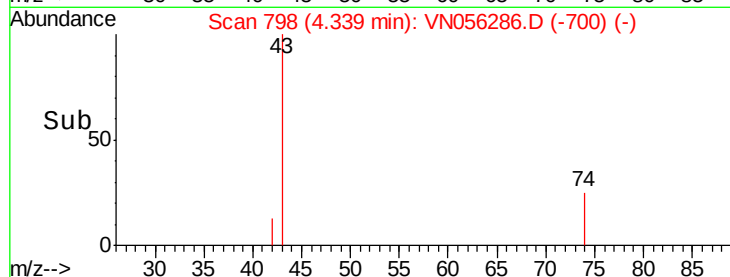
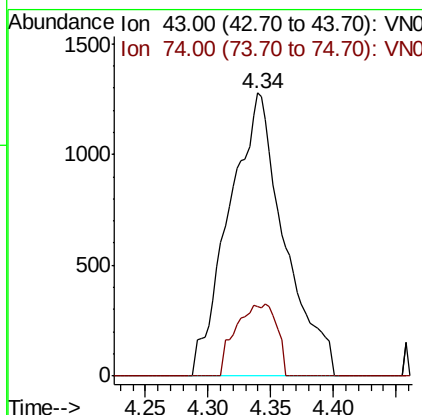
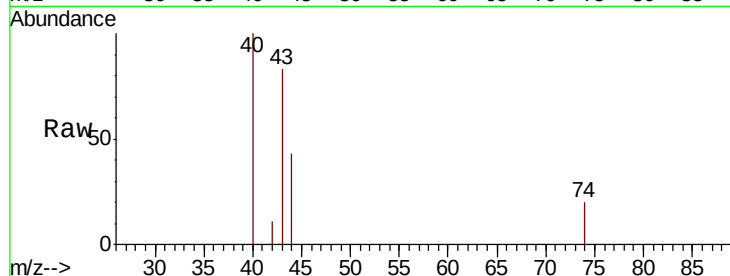




#18
Methyl Acetate
Concen: 0.645 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN056286.D
Acq: 13 Jun 2019 17:06

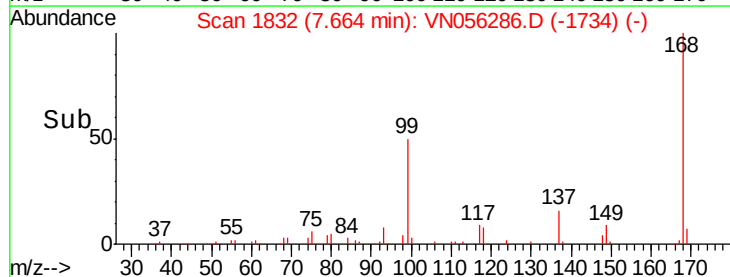
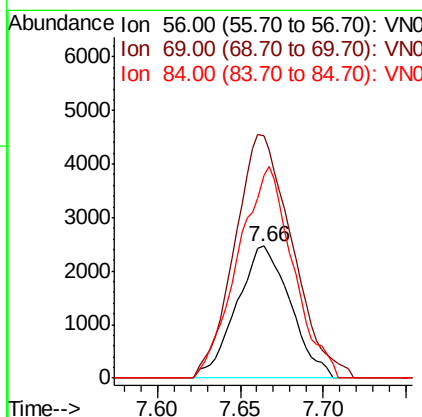
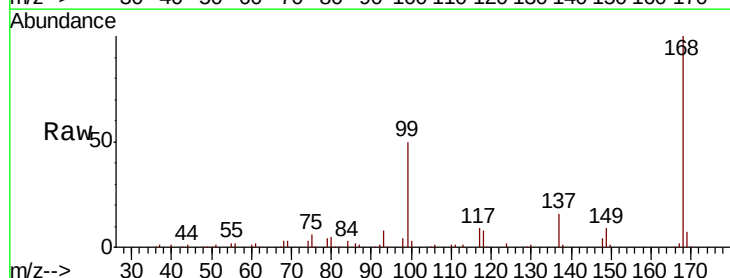
Instrument :
MSVOA_N
ClientSampled :

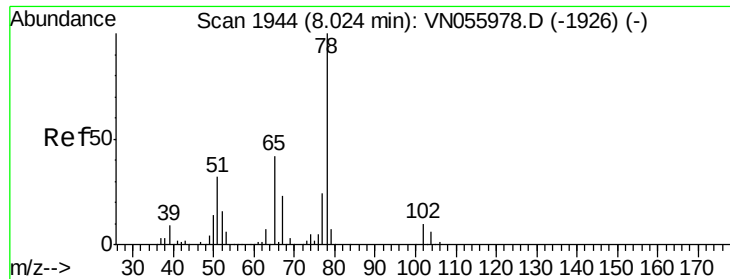
Tot Ion: 43 Resp: 3918
Ion Ratio Lower Upper
43 100
74 18.7 19.3 28.9#



#31
Cyclohexane
Concen: 1.018 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056286.D
Acq: 13 Jun 2019 17:06

Tgt Ion: 56 Resp: 5543
Ion Ratio Lower Upper
56 100
69 184.2 25.6 38.4#
84 153.5 67.4 101.0#

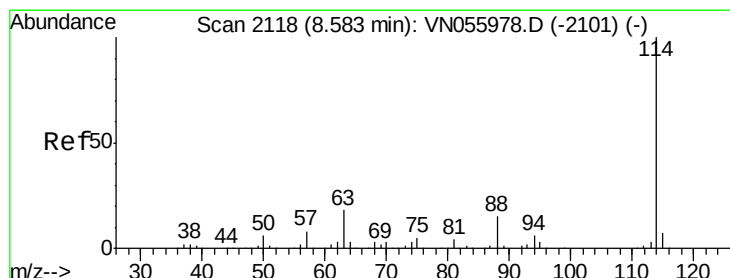
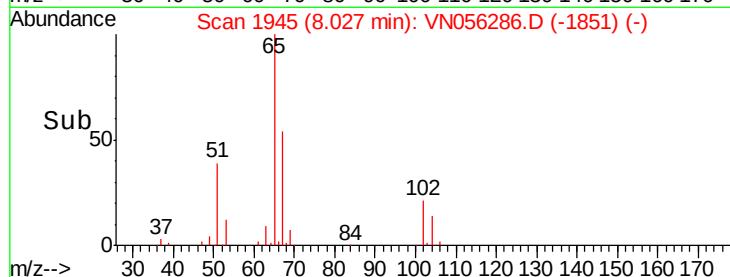
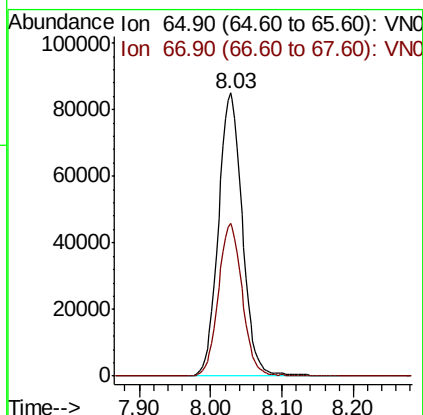
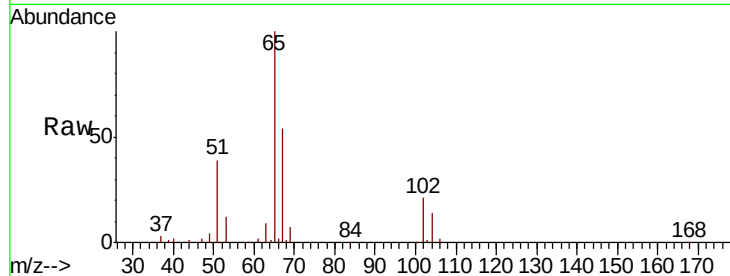




#33
 1,2-Dichloroethane-d4
 Concen: 57.825 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056286.D
 Acq: 13 Jun 2019 17:06

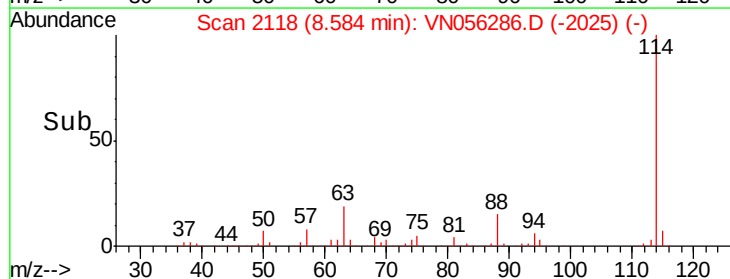
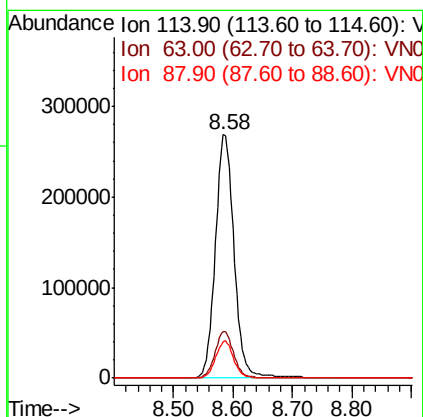
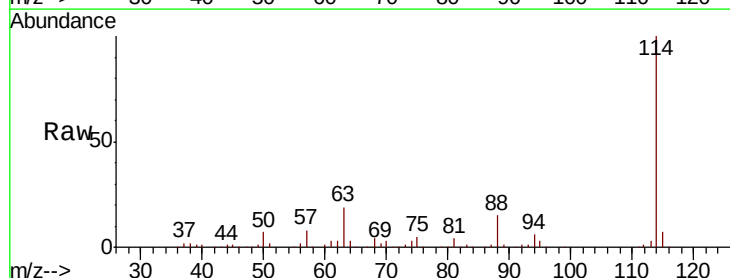
Instrument :
 MSVOA_N
 ClientSampleId :

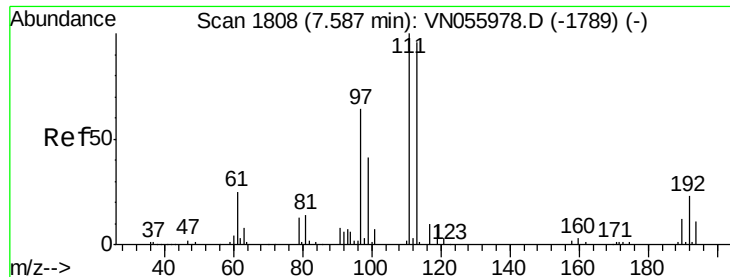
Tot Ion: 65 Resp: 198348
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056286.D
 Acq: 13 Jun 2019 17:06

Tgt Ion: 114 Resp: 586170
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.2
 88 14.9 0.0 31.0

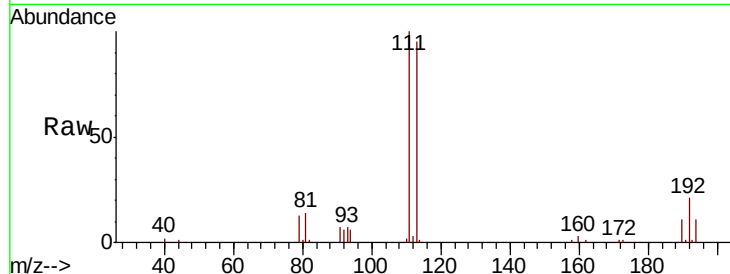




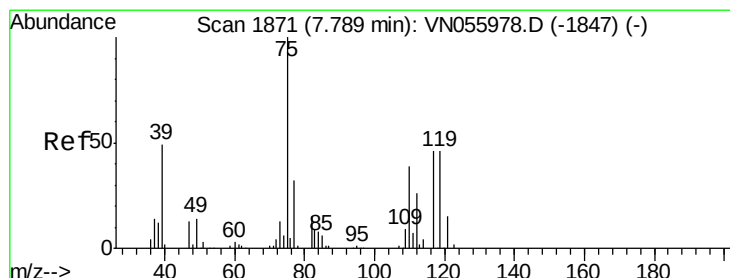
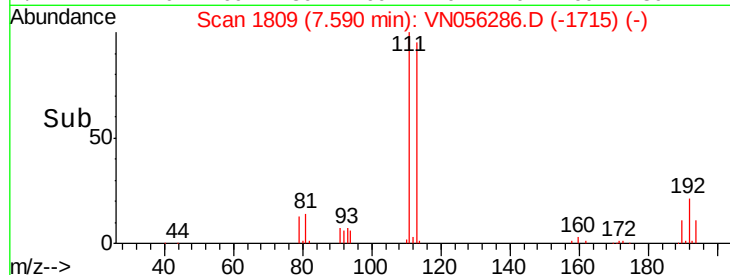
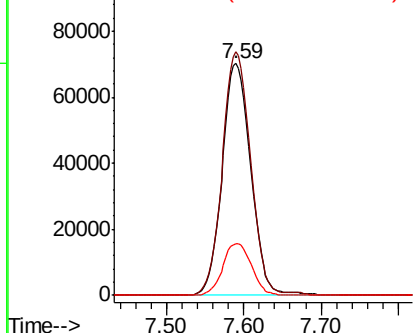
#35
 Dibromofluoromethane
 Concen: 50.093 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056286.D
 Acq: 13 Jun 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.9	122.9
192	22.5	19.5	29.3

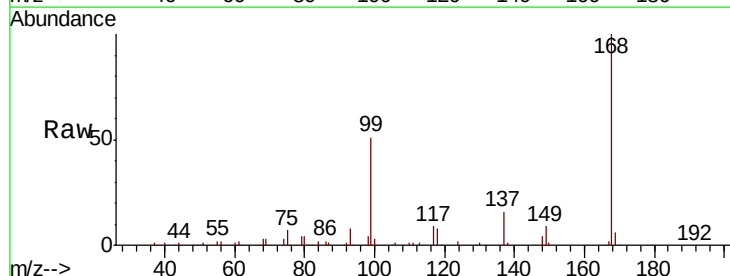


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

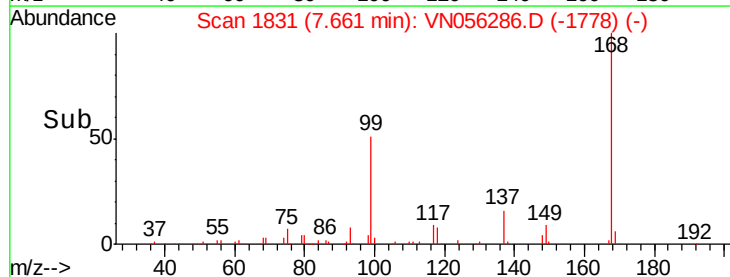
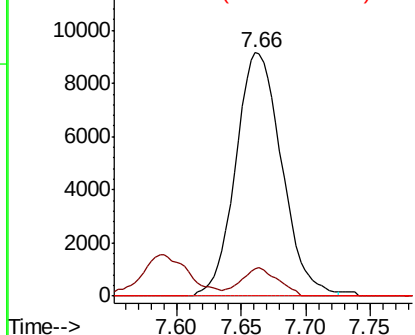


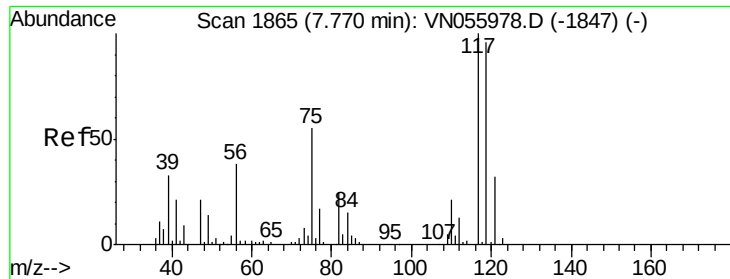
#36
 1,1-Dichloropropene
 Concen: 4.517 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056286.D
 Acq: 13 Jun 2019 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.0	57.0#
77	0.0	25.1	37.7#



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

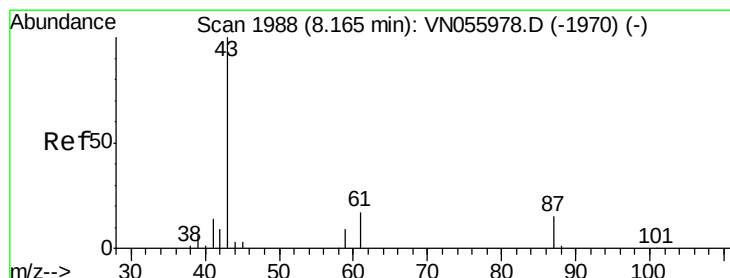
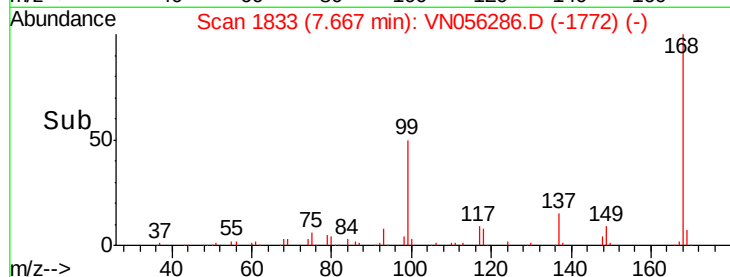
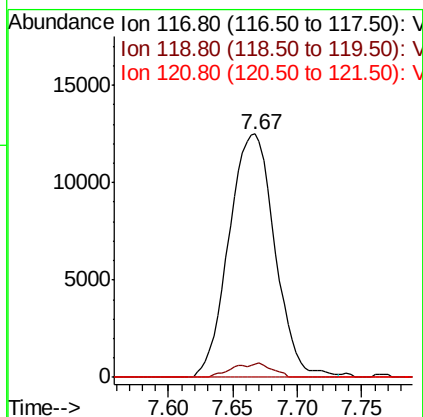
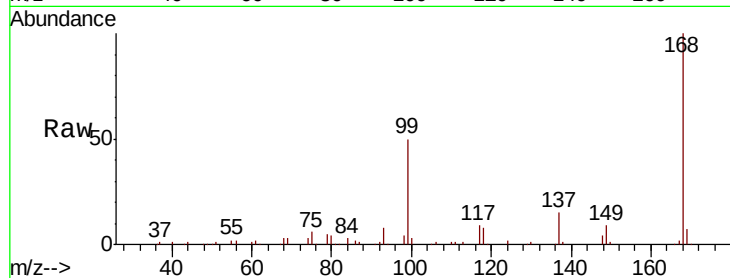




#38
Carbon Tetrachloride
Concen: 6.662 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.10 min
Lab File: VN056286.D
Acq: 13 Jun 2019 17:06

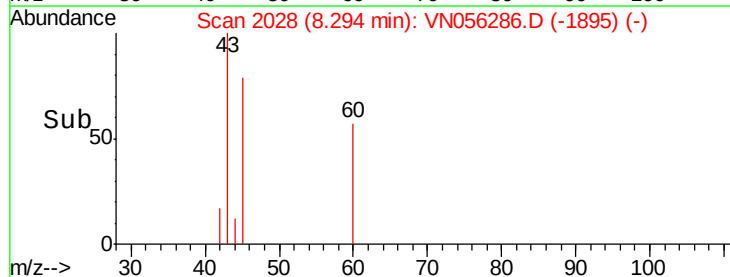
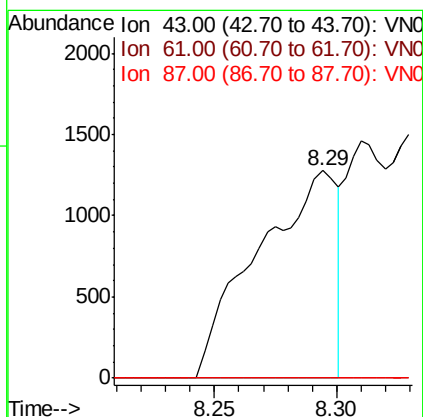
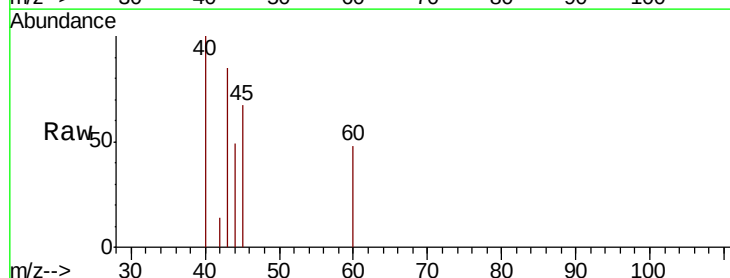
Instrument :
MSVOA_N
ClientSampled :

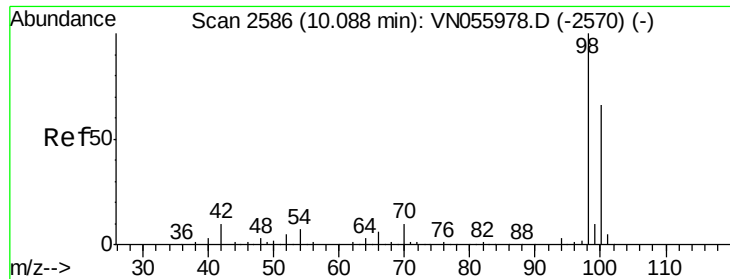
Tot Ion:117 Resp: 30959
Ion Ratio Lower Upper
117 100
119 5.5 79.0 118.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 0.398 ug/l
RT: 8.29 min Scan# 2028
Delta R.T. 0.13 min
Lab File: VN056286.D
Acq: 13 Jun 2019 17:06

Tgt Ion: 43 Resp: 2895
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#





#50

Toluene-d8

Concen: 51.820 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056286.D

Acq: 13 Jun 2019 17:06

Instrument :

MSVOA_N

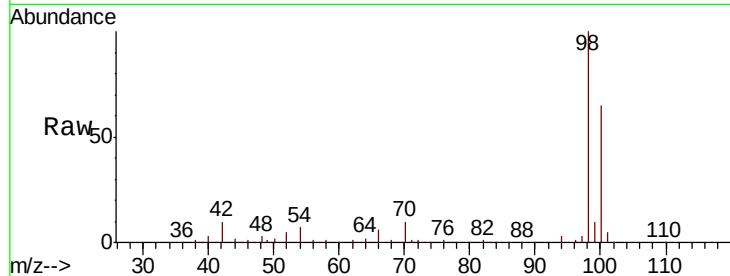
ClientSampleId :

Tot Ion: 98 Resp: 717128

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

400000

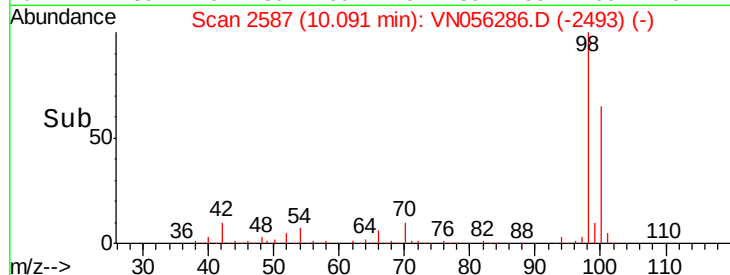
300000

200000

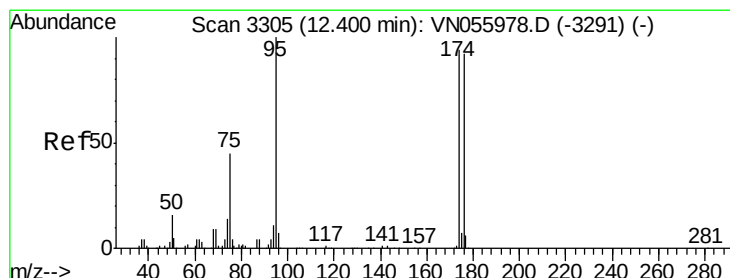
100000

0

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 48.801 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056286.D

Acq: 13 Jun 2019 17:06

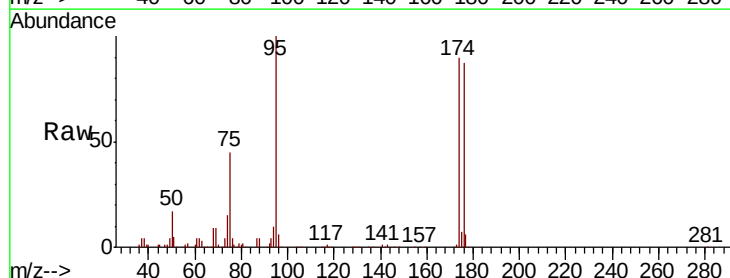
Tgt Ion: 95 Resp: 229670

Ion Ratio Lower Upper

95 100

174 90.8 0.0 191.0

176 88.4 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

12.40

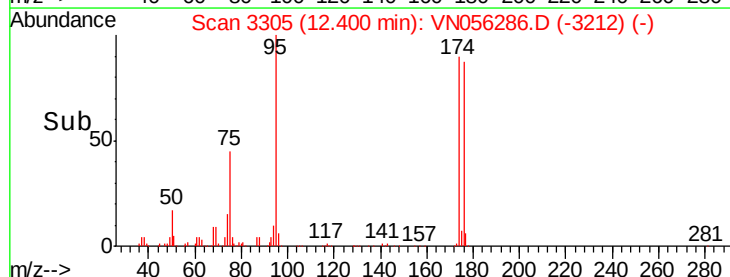
150000

100000

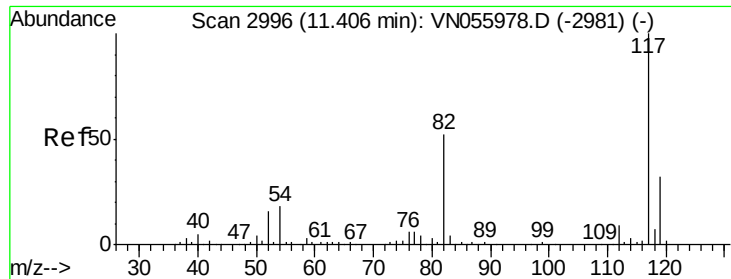
50000

0

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056286.D

Acq: 13 Jun 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

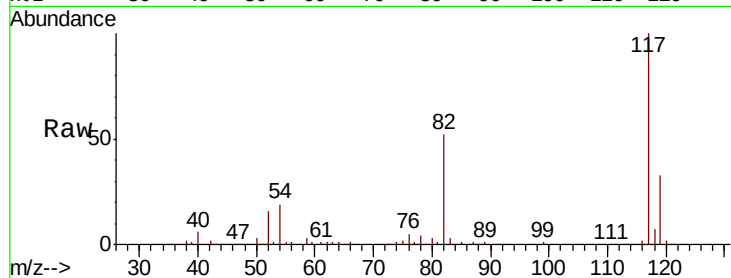
Tot Ion:117 Resp: 568971

Ion Ratio Lower Upper

117 100

82 52.3 41.8 62.8

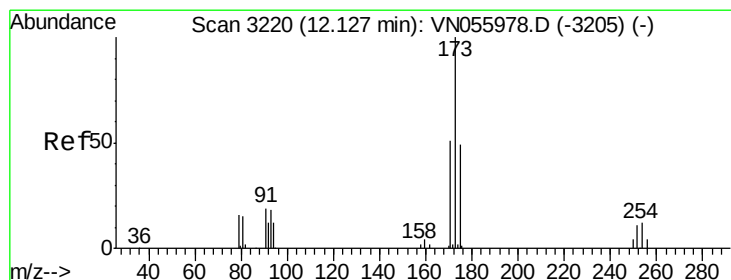
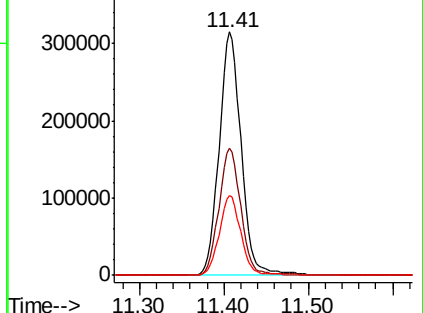
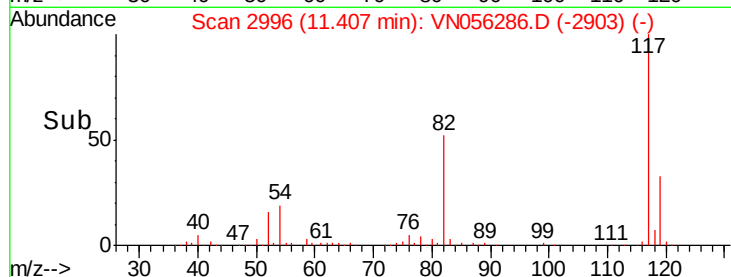
119 33.0 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 3.219 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056286.D

Acq: 13 Jun 2019 17:06

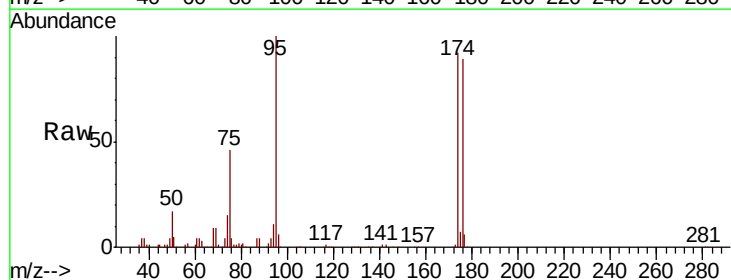
Tgt Ion:173 Resp: 1655

Ion Ratio Lower Upper

173 100

175 806.8 24.3 72.8#

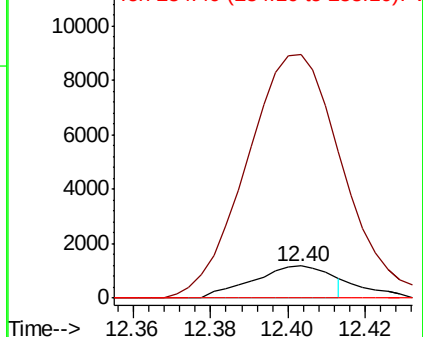
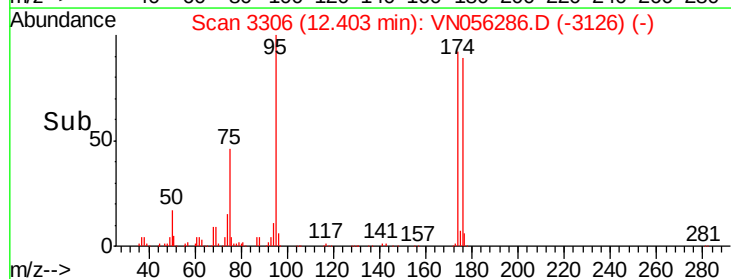
254 0.0 0.0 0.0

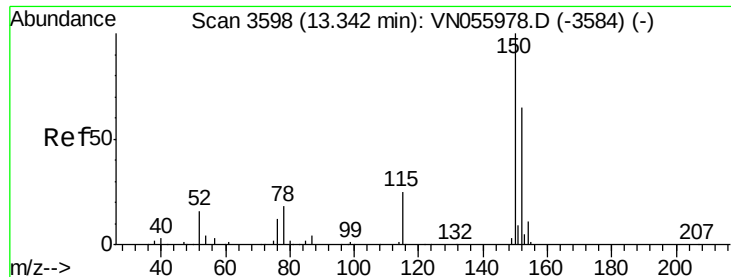


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



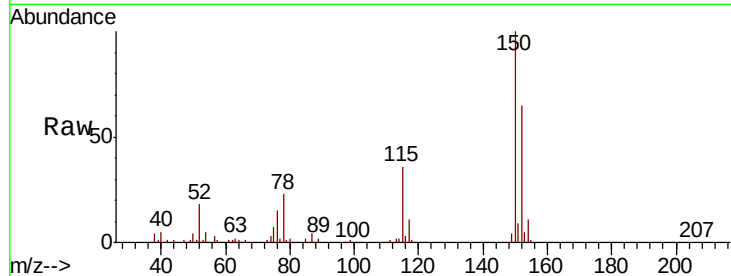


#72

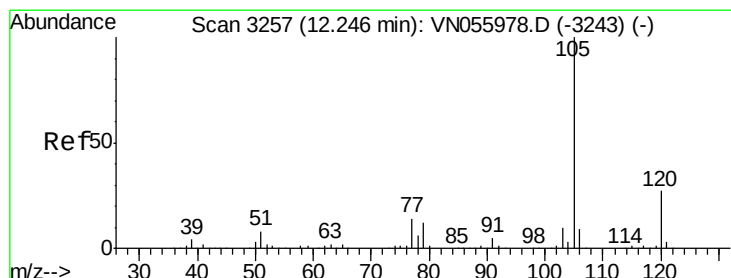
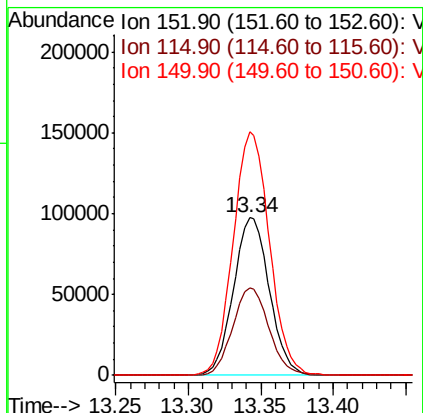
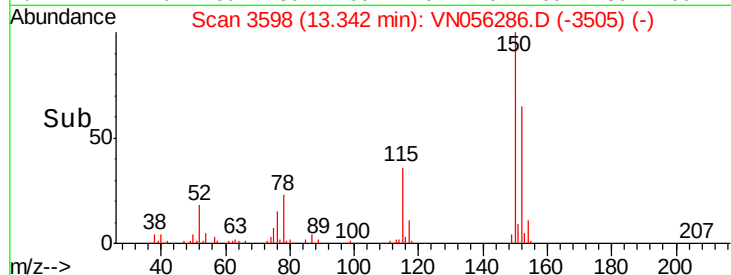
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056286.D
Acq: 13 Jun 2019 17:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.0	81.0
150	156.6	0.0	343.2



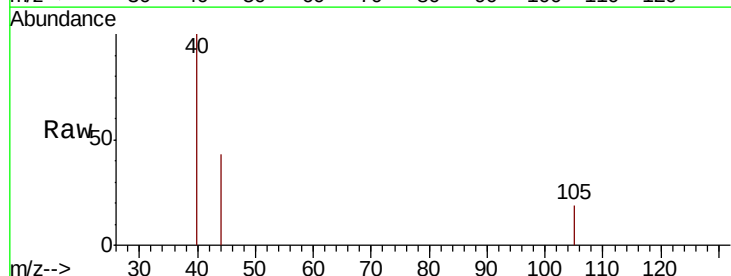
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



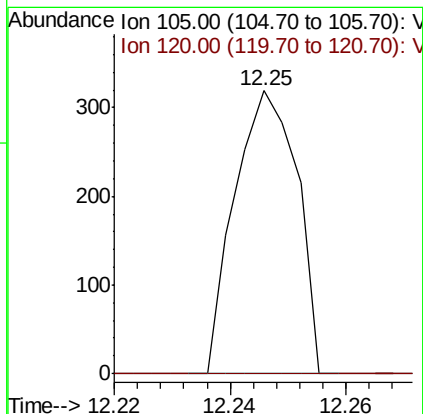
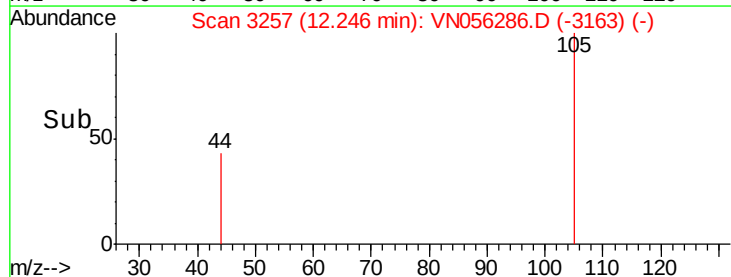
#73

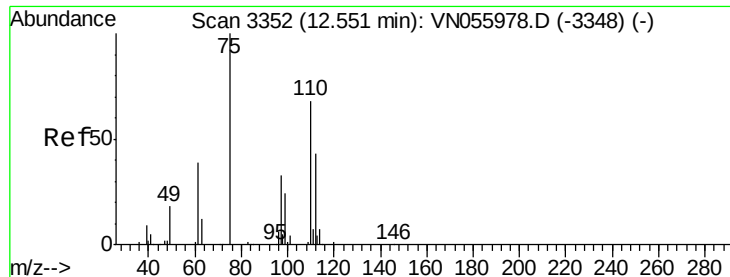
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056286.D
Acq: 13 Jun 2019 17:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.6	40.7#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 34.048 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056286.D

Acq: 13 Jun 2019 17:06

Instrument :

MSVOA_N

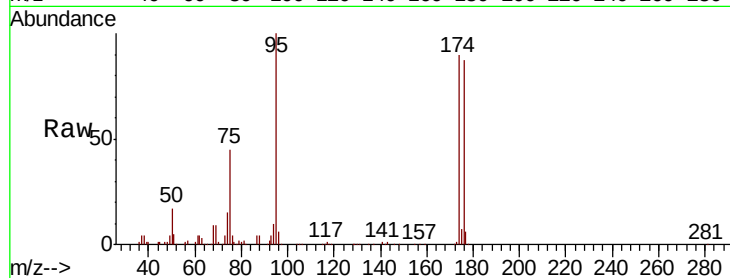
ClientSampleId :

Tot Ion: 75 Resp: 104964

Ion Ratio Lower Upper

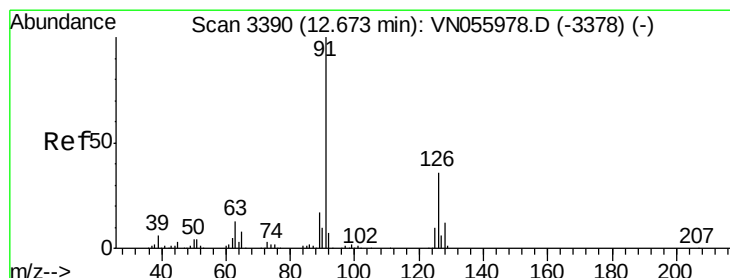
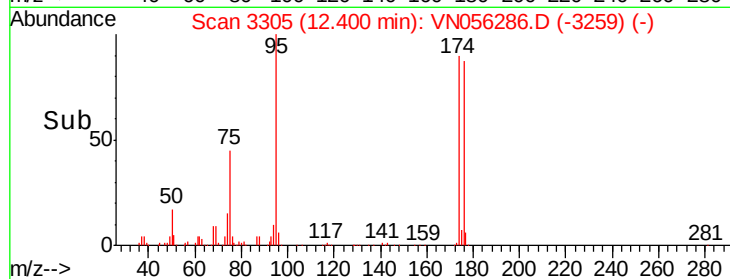
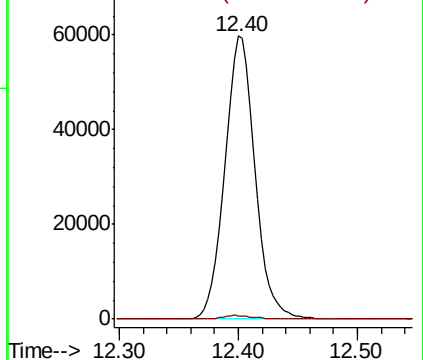
75 100

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



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN056286.D

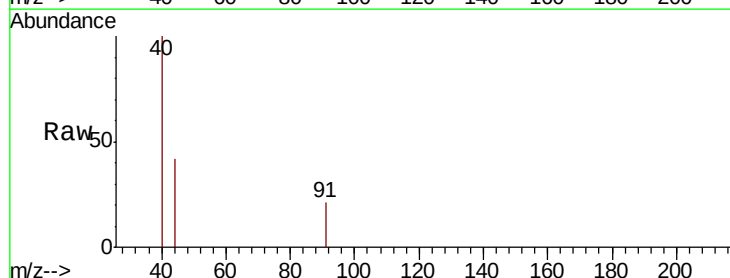
Acq: 13 Jun 2019 17:06

Tgt Ion: 91 Resp: 546

Ion Ratio Lower Upper

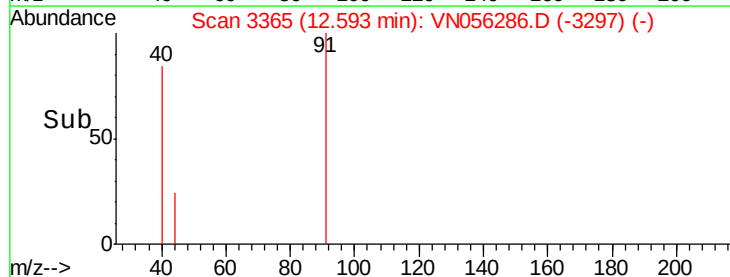
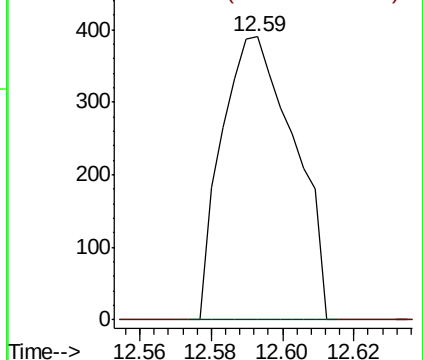
91 100

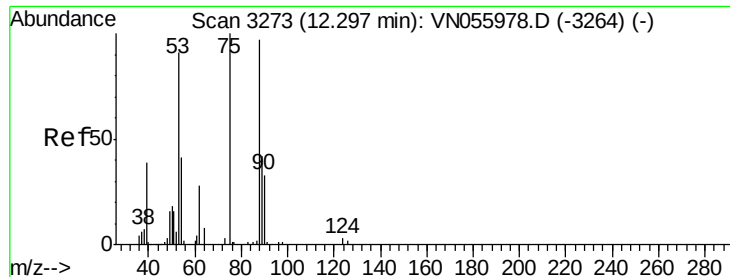
126 0.0 18.1 54.4#



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: 113.388 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056286.D

Acq: 13 Jun 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

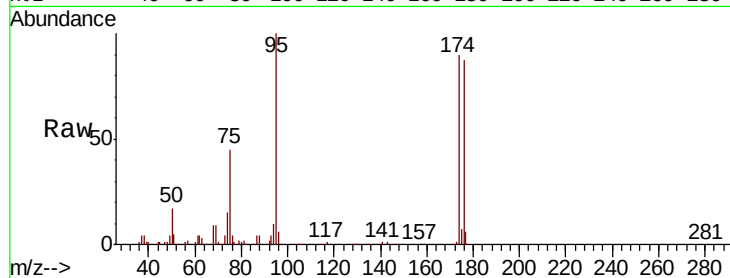
Tot Ion: 75 Resp: 104964

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

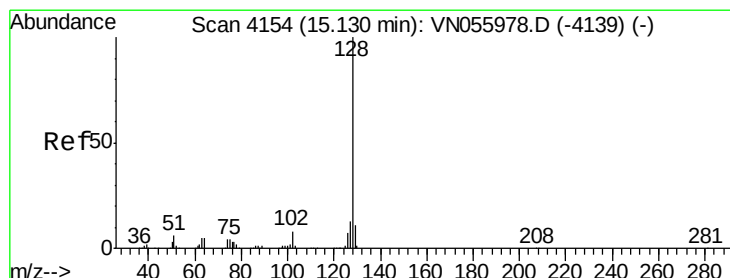
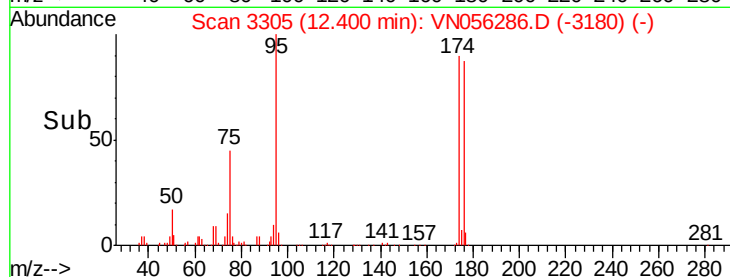
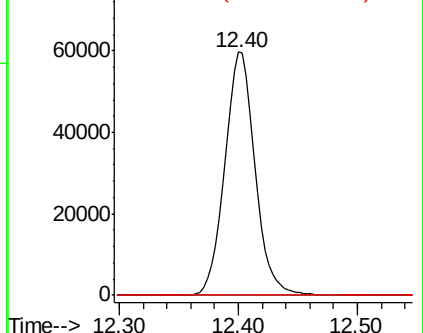
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#95

Naphthalene

Concen: 3.961 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056286.D

Acq: 13 Jun 2019 17:06

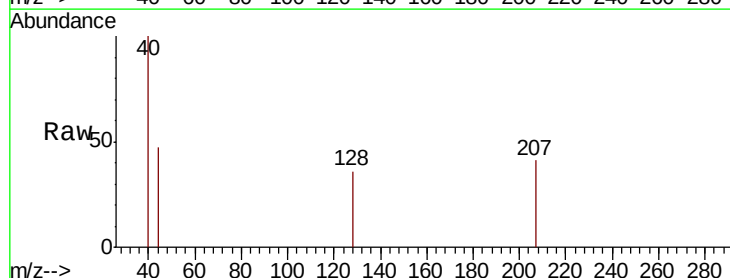
Tgt Ion: 128 Resp: 956

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN055978.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN055978.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN055978.D (-4139) (-)

