

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055531.D
 Acq On : 10 May 2019 6:15
 Operator : JC/SP
 Sample : K2758-24
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 06:35:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	845522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1405692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1178492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	326609	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	575840	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	
35) Dibromofluoromethane	7.59	113	445951	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	10.09	98	1694679	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	12.40	95	495353	41.57	ug/l	0.00
Spiked Amount			Recovery	=	83.14%	

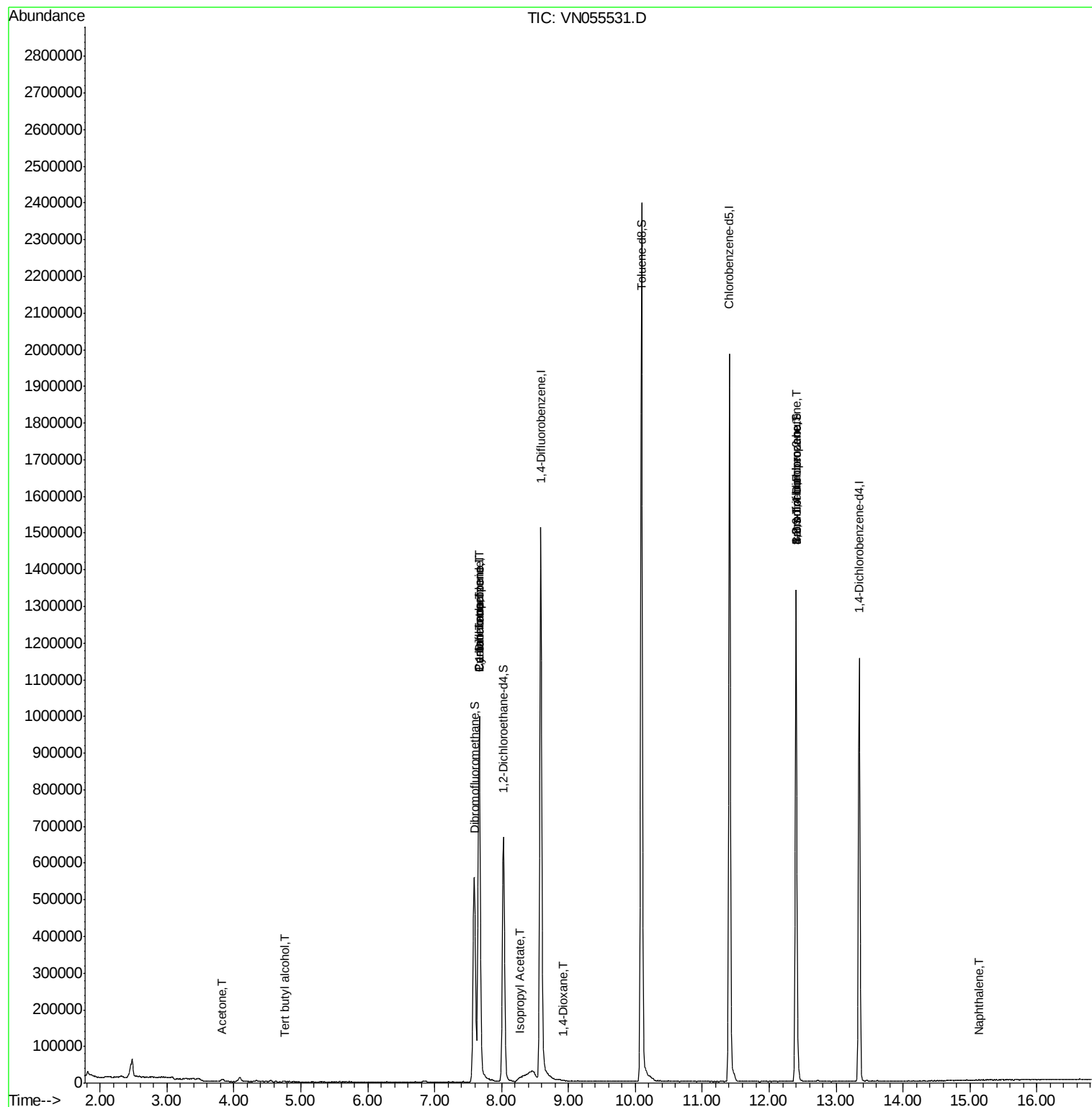
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	432	0.230	ug/l #	73
16) Acetone	3.83	43	10134	1.719	ug/l	92
18) Methyl Acetate	4.34	43	7246	Below Cal	#	81
31) Cyclohexane	7.66	56	17343	0.844	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	65736	4.747	ug/l #	51
38) Carbon Tetrachloride	7.66	117	79725	6.837	ug/l #	15
43) Isopropyl Acetate	8.26	43	8092	0.353	ug/l #	63
49) 1,4-Dioxane	8.92	88	143	0.664	ug/l #	1
71) Bromoform	12.40	173	3403	0.604	ug/l #	1
73) Isopropylbenzene	12.25	105	149	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	68	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	247214	27.804	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	247214	102.592	ug/l #	7
95) Naphthalene	15.14	128	60	2.941	ug/l #	70

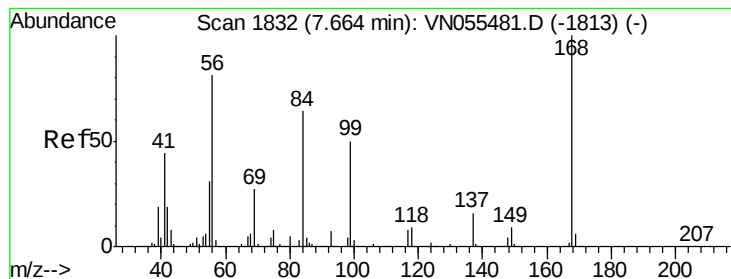
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 04:17:44 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: VN055531.D

Acq: 10 May 2019 6:15

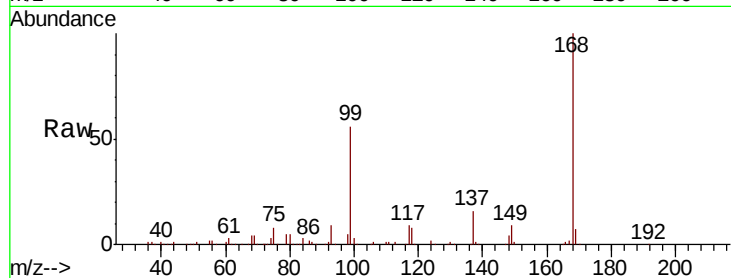
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 84522

Ion Ratio Lower Upper

168 100

99 56.5 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

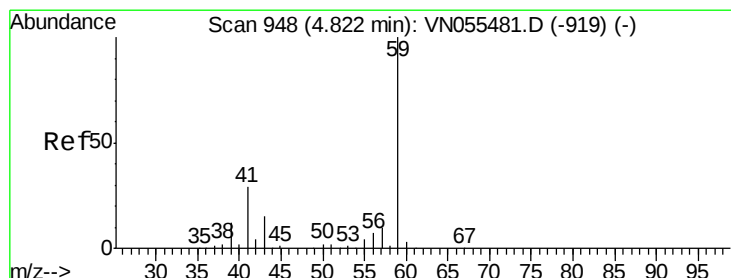
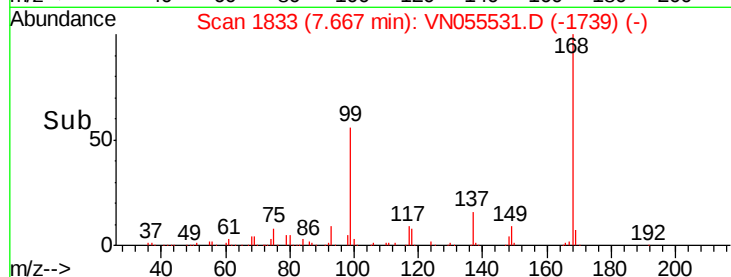
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.230 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.07 min

Lab File: VN055531.D

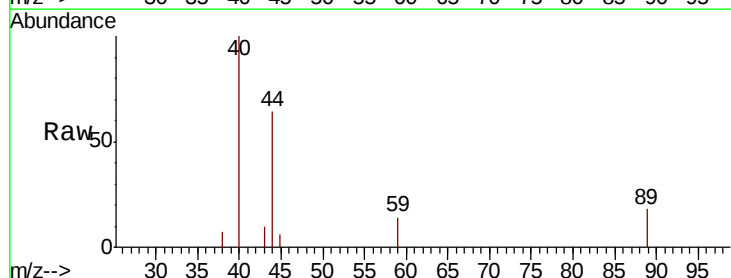
Acq: 10 May 2019 6:15

Tgt Ion: 59 Resp: 432

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

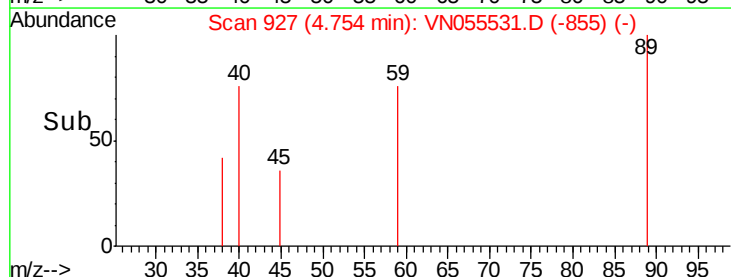
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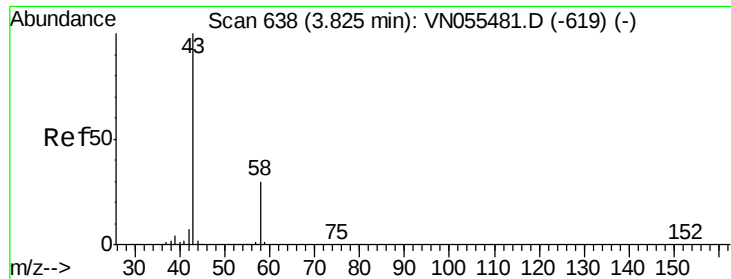
200

100

0

Time-->





#16

Acetone

Concen: 1.719 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.00 min

Lab File: VN055531.D

Acq: 10 May 2019 6:15

Instrument :

MSVOA_N

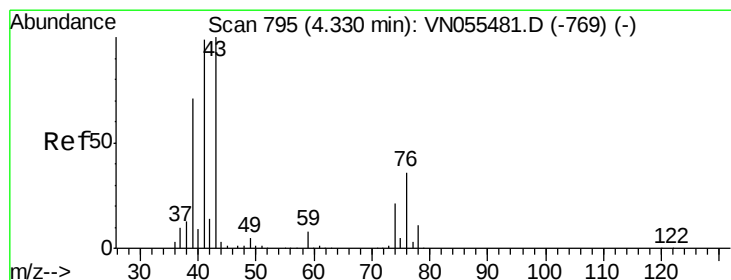
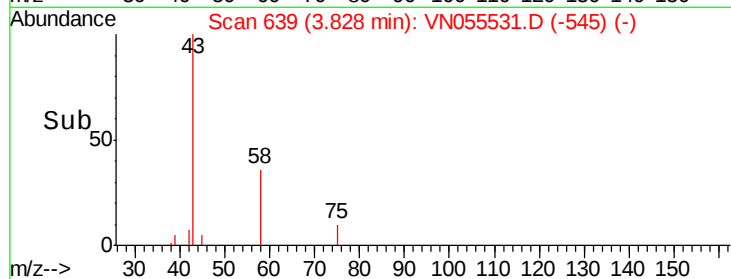
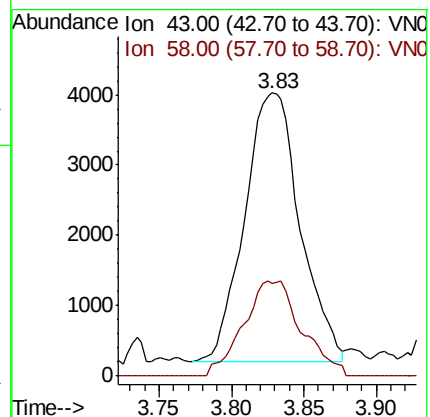
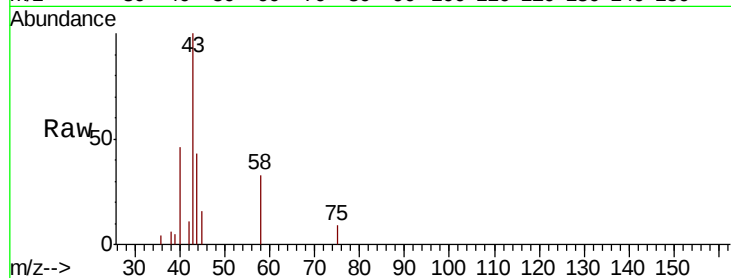
ClientSampled :

Tot Ion: 43 Resp: 10134

Ion Ratio Lower Upper

43 100

58 34.8 24.2 36.2



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055531.D

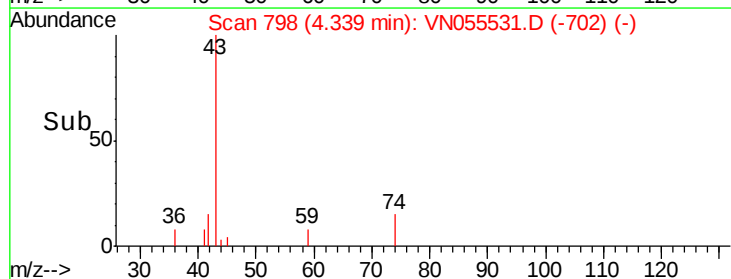
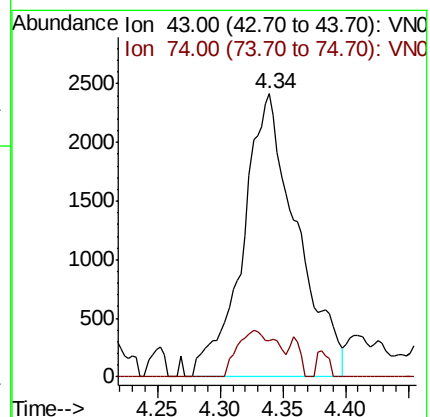
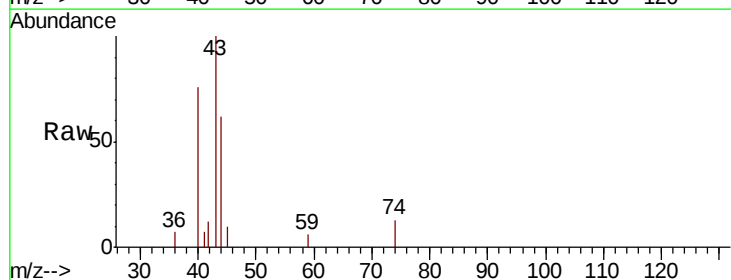
Acq: 10 May 2019 6:15

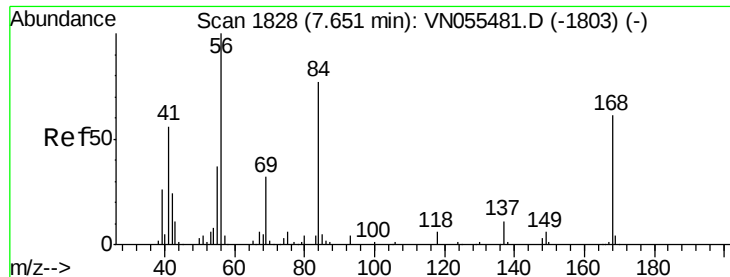
Tgt Ion: 43 Resp: 7246

Ion Ratio Lower Upper

43 100

74 11.8 16.3 24.5#

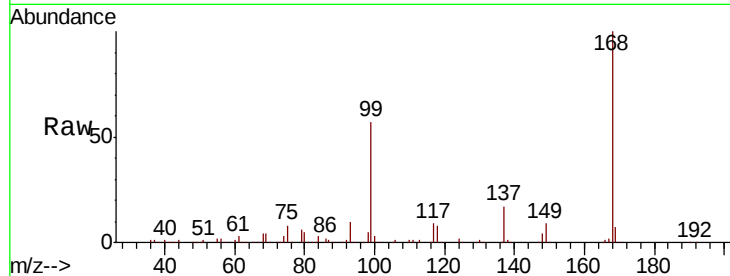




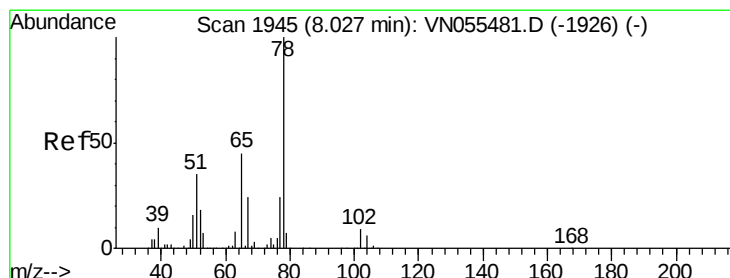
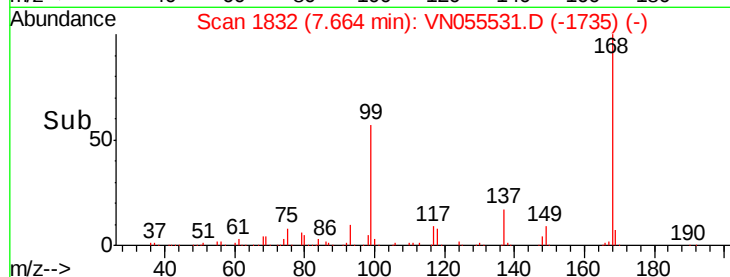
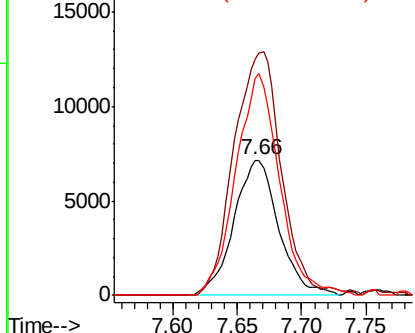
#31
Cyclohexane
Concen: 0.844 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055531.D
Acq: 10 May 2019 6:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 17343
Ion Ratio Lower Upper
56 100
69 174.7 26.0 39.0#
84 159.9 61.9 92.9#

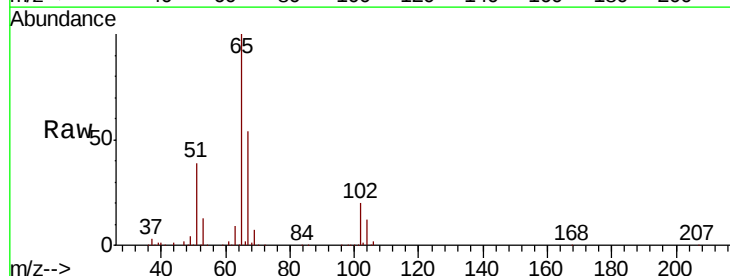


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

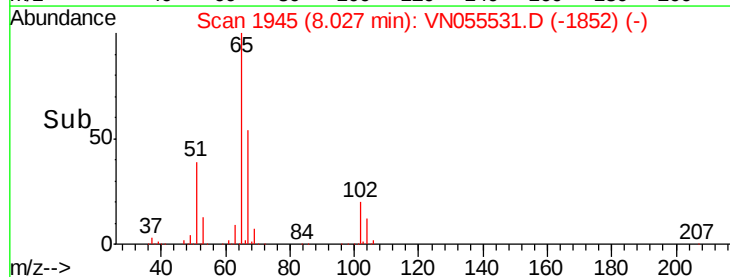
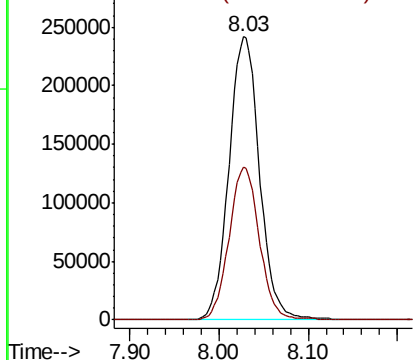


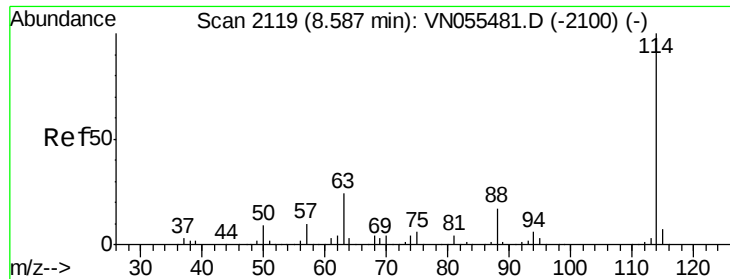
#33
1,2-Dichloroethane-d4
Concen: 45.232 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN055531.D
Acq: 10 May 2019 6:15

Tgt Ion: 65 Resp: 575840
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.6



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

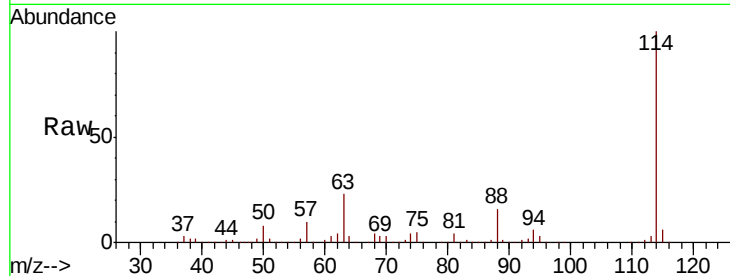




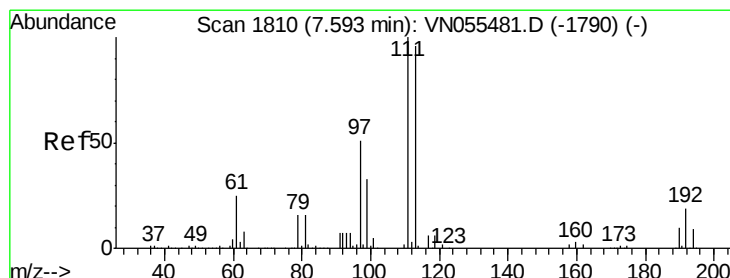
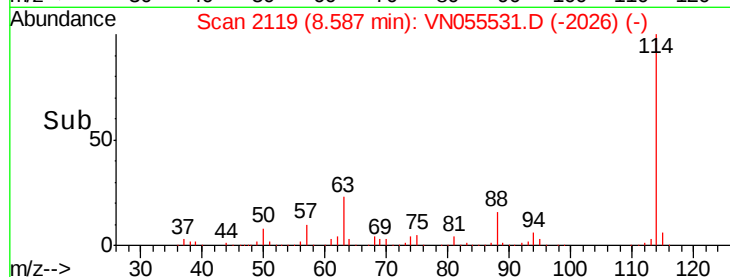
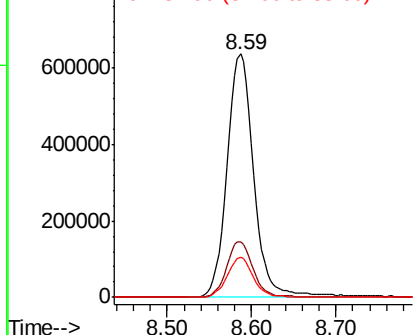
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055531.D
 Acq: 10 May 2019 6:15

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1405692
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.4
 88 16.2 0.0 34.0

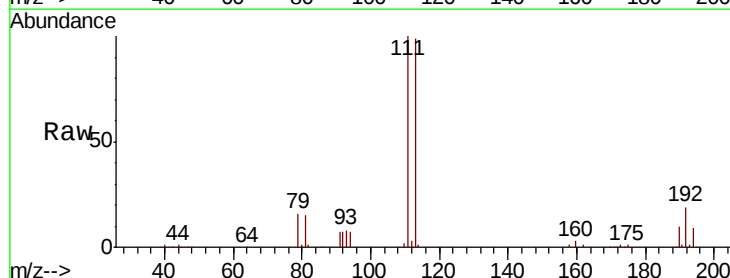


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

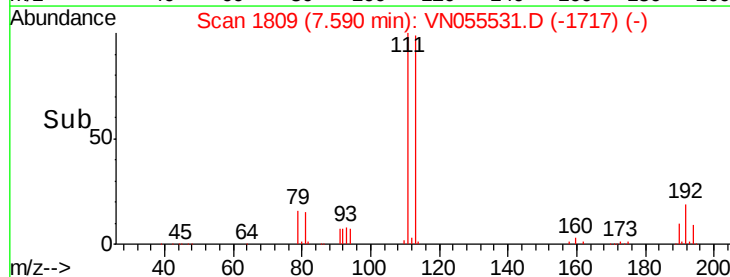
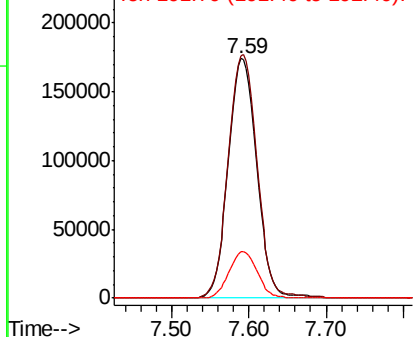


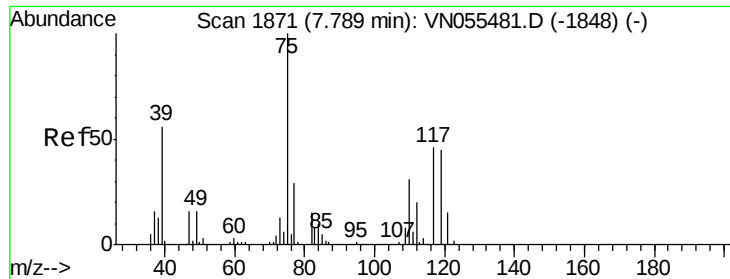
#35
 Dibromofluoromethane
 Concen: 49.179 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055531.D
 Acq: 10 May 2019 6:15

Tgt Ion:113 Resp: 445951
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.9 124.3
 192 19.1 15.6 23.4



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

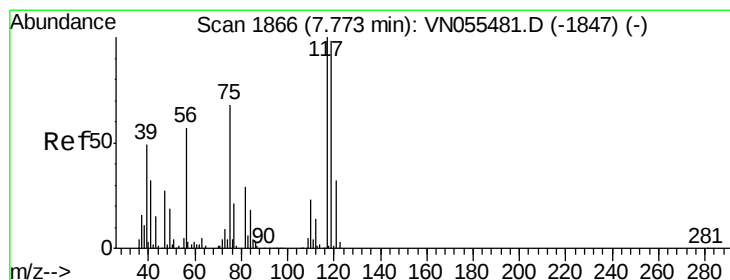
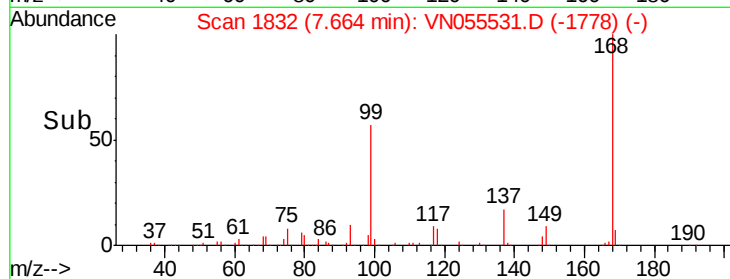
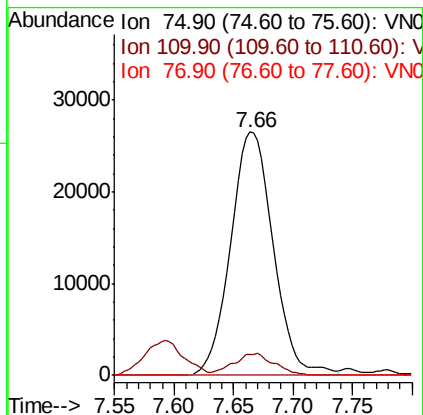
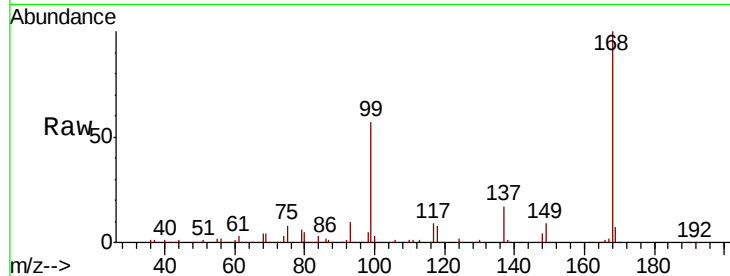




#36
 1,1-Dichloropropene
 Concen: 4.747 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055531.D
 Acq: 10 May 2019 6:15

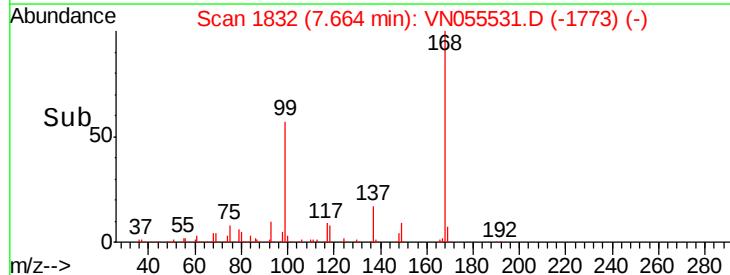
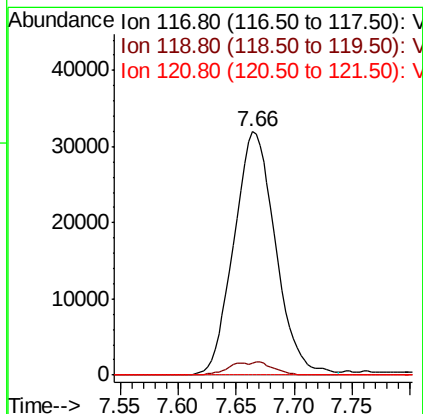
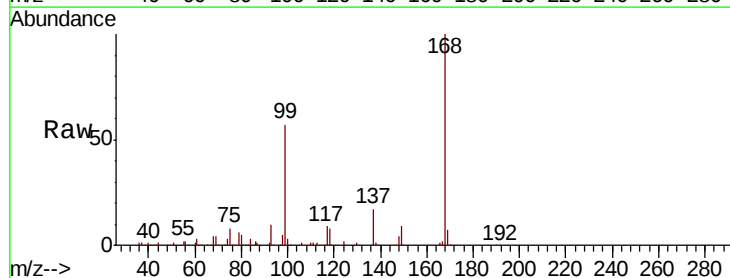
Instrument :
 MSVOA_N
 ClientSampleId :

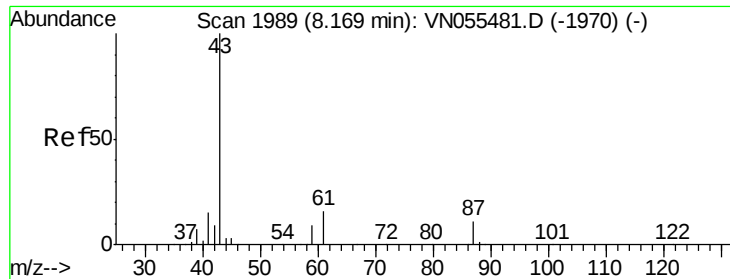
Tot Ion	75	Resp	65736
Ion Ratio	100	Lower	Upper
75	100		
110	8.6	16.1	48.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.837 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055531.D
 Acq: 10 May 2019 6:15

Tgt Ion	117	Resp	79725
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.9	77.8	116.6#
121	0.0	25.2	37.8#





#43

Isopropyl Acetate

Concen: 0.353 ug/l

RT: 8.26 min Scan# 2018

Delta R.T. 0.09 min

Lab File: VN055531.D

Acq: 10 May 2019 6:15

Instrument :

MSVOA_N

ClientSampled :

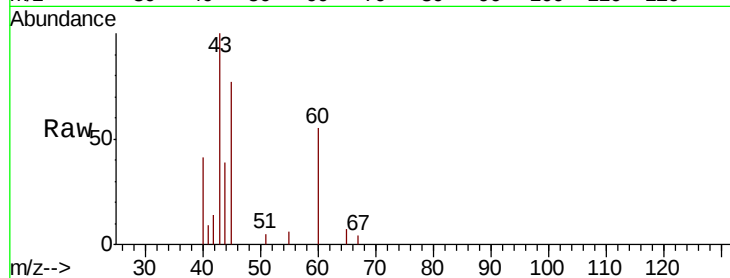
Tot Ion: 43 Resp: 8092

Ion Ratio Lower Upper

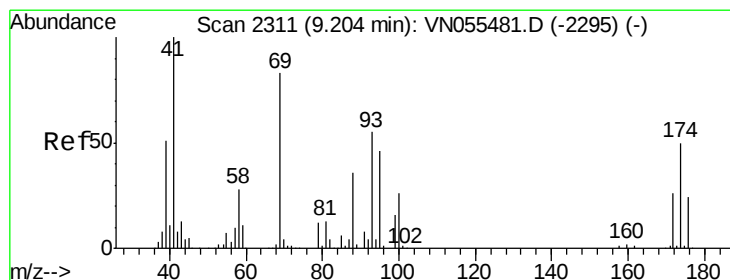
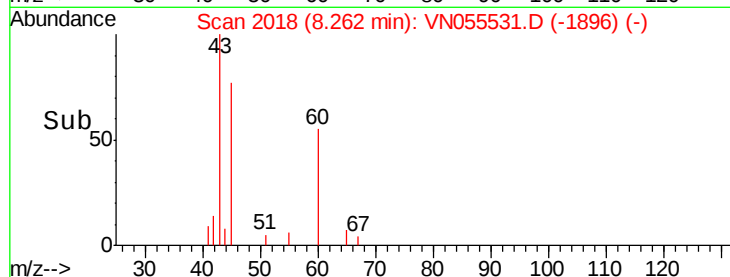
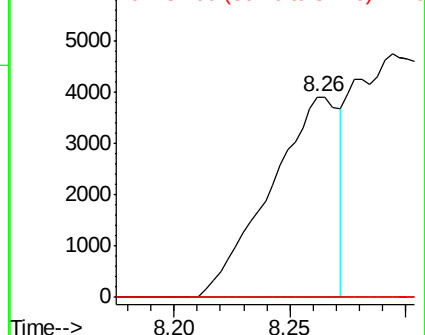
43 100

61 0.0 15.1 22.7#

87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#49

1,4-Dioxane

Concen: 0.664 ug/l

RT: 8.92 min Scan# 2223

Delta R.T. -0.28 min

Lab File: VN055531.D

Acq: 10 May 2019 6:15

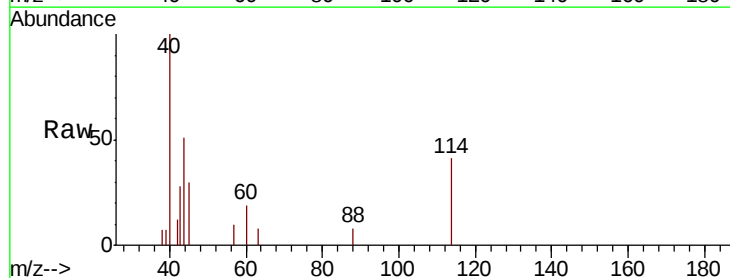
Tgt Ion: 88 Resp: 143

Ion Ratio Lower Upper

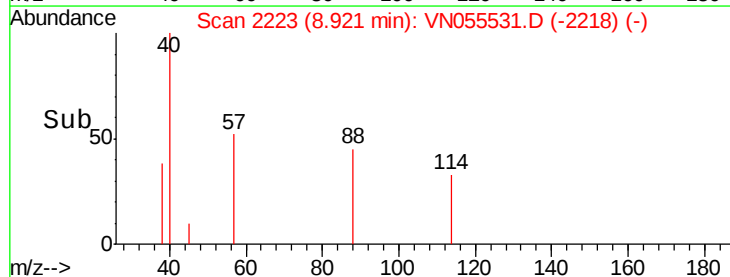
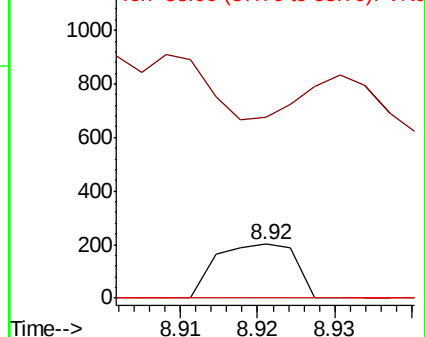
88 100

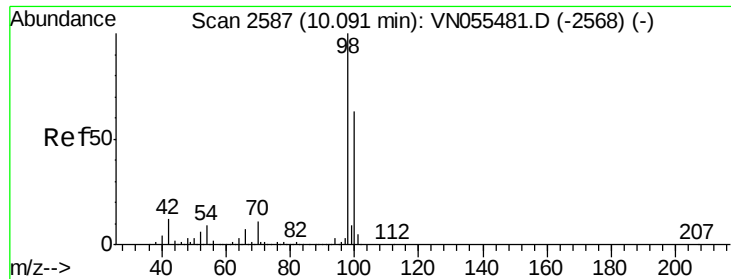
43 222.4 27.8 41.8#

58 0.0 61.8 92.6#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 47.958 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055531.D

Acq: 10 May 2019 6:15

Instrument :

MSVOA_N

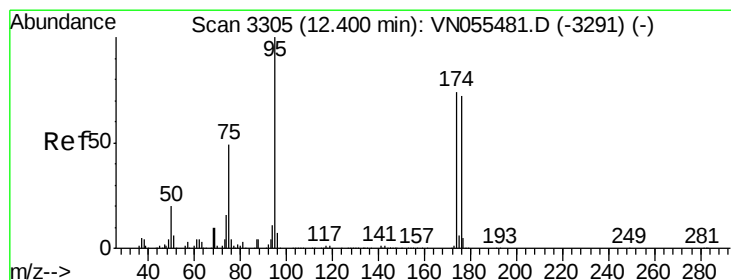
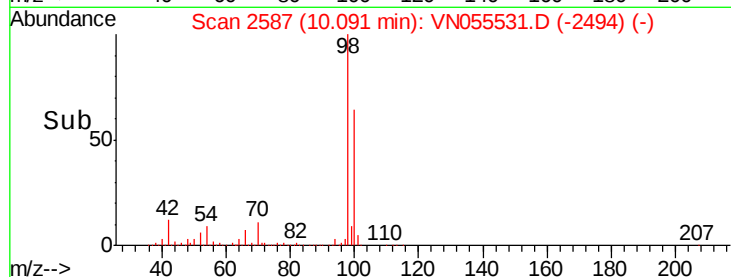
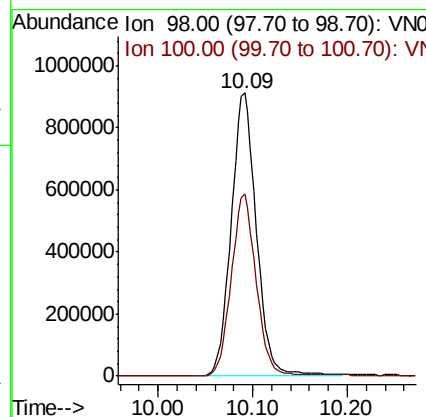
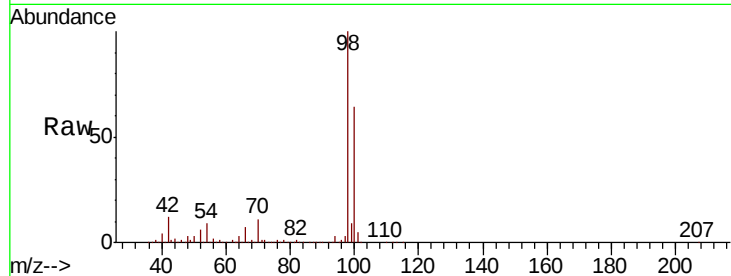
ClientSampled :

Tot Ion: 98 Resp: 1694679

Ion Ratio Lower Upper

98 100

100 63.7 50.4 75.6



#62

4-Bromofluorobenzene

Concen: 41.574 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055531.D

Acq: 10 May 2019 6:15

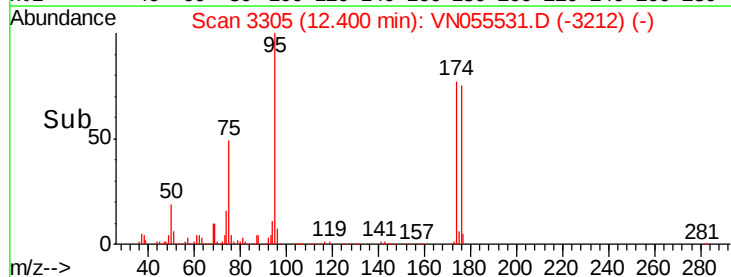
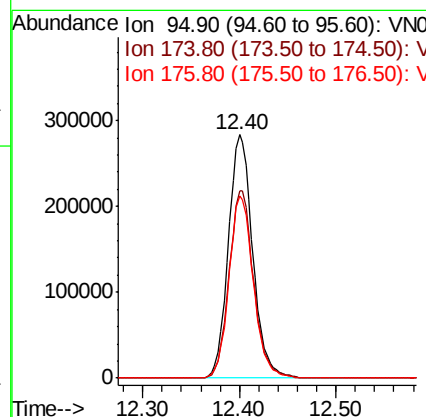
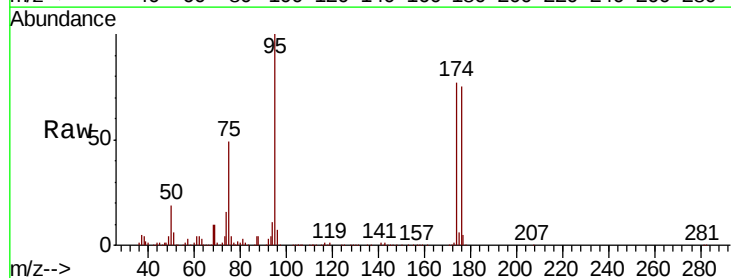
Tgt Ion: 95 Resp: 495353

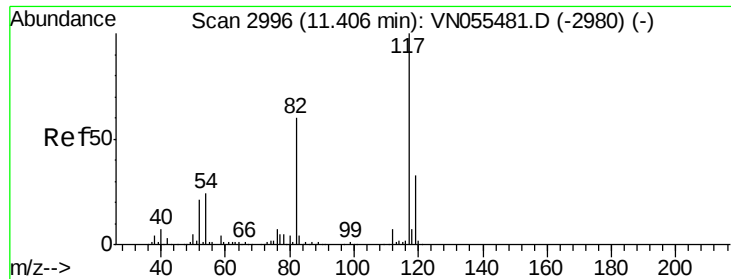
Ion Ratio Lower Upper

95 100

174 77.8 0.0 152.2

176 75.0 0.0 147.8

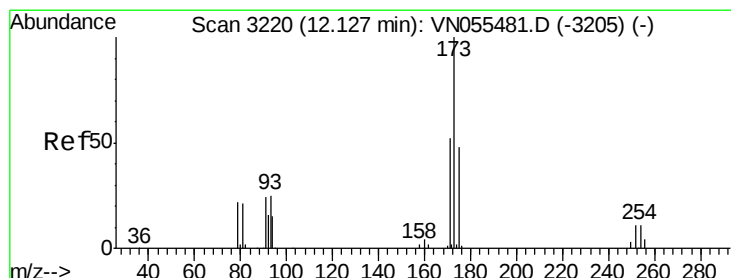
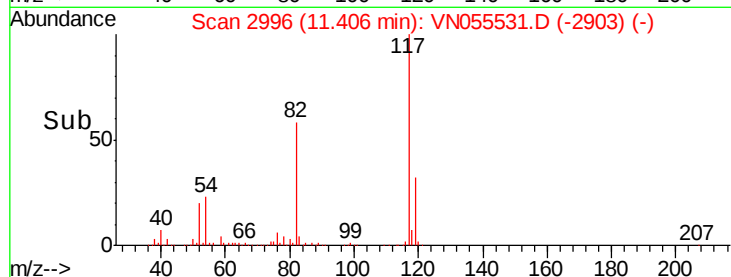
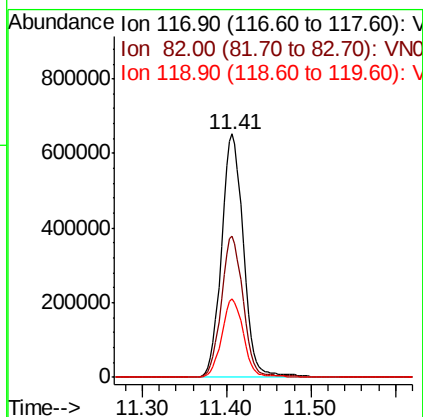
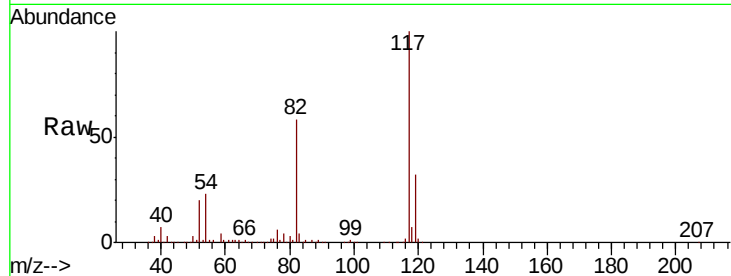




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055531.D
Acq: 10 May 2019 6:15

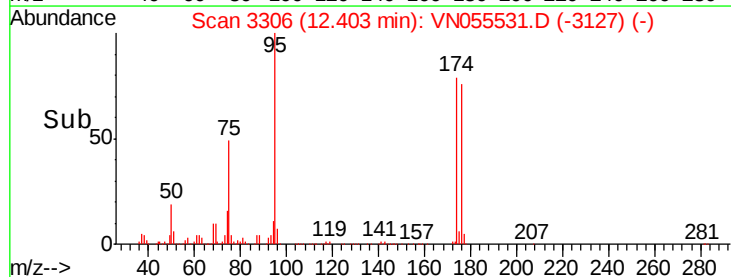
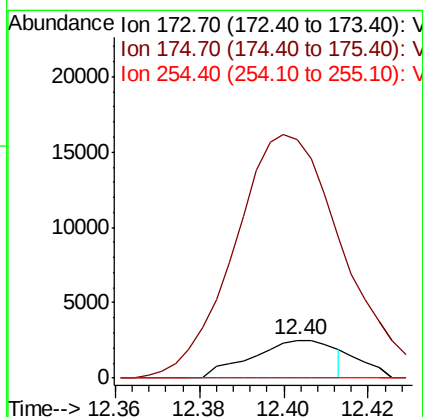
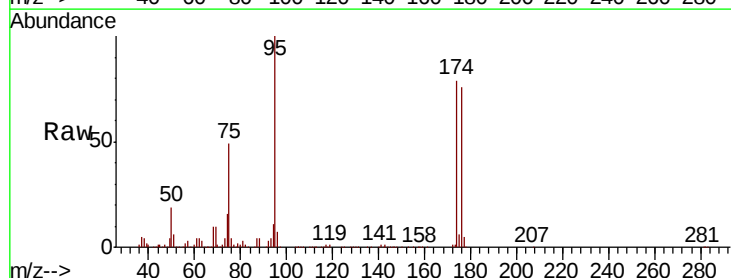
Instrument :
MSVOA_N
ClientSampleId :

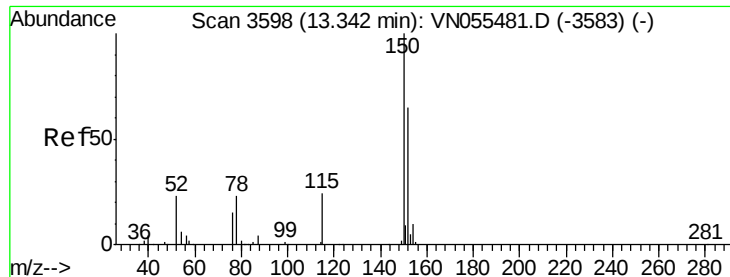
Tot Ion:117 Resp: 1178492
Ion Ratio Lower Upper
117 100
82 58.1 48.0 72.0
119 32.1 26.0 39.0



#71
Bromoform
Concen: 0.604 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055531.D
Acq: 10 May 2019 6:15

Tgt Ion:173 Resp: 3403
Ion Ratio Lower Upper
173 100
175 726.2 24.1 72.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055531.D

Acq: 10 May 2019 6:15

Instrument :

MSVOA_N

ClientSampleId :

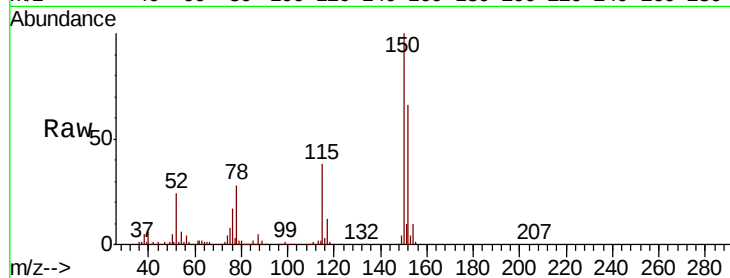
Tot Ion:152 Resp: 326609

Ion Ratio Lower Upper

152 100

115 58.8 30.1 90.5

150 154.8 0.0 355.0

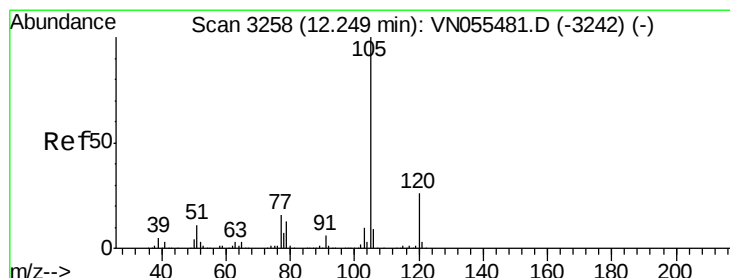
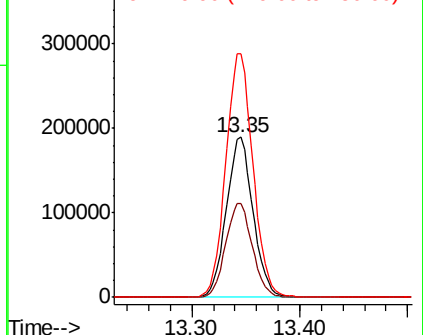
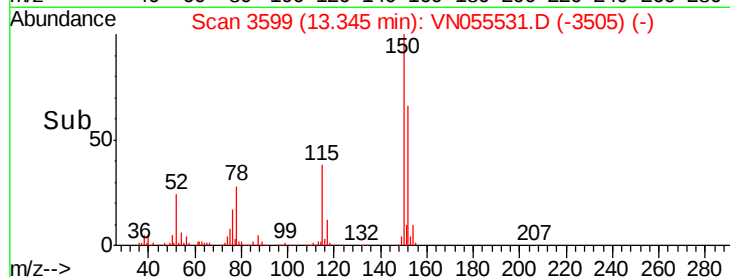


Abundance

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: VN055531.D

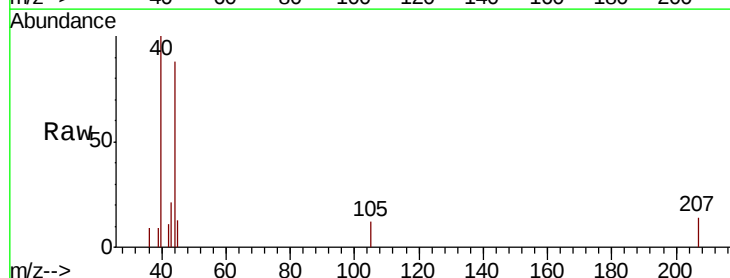
Acq: 10 May 2019 6:15

Tgt Ion:105 Resp: 149

Ion Ratio Lower Upper

105 100

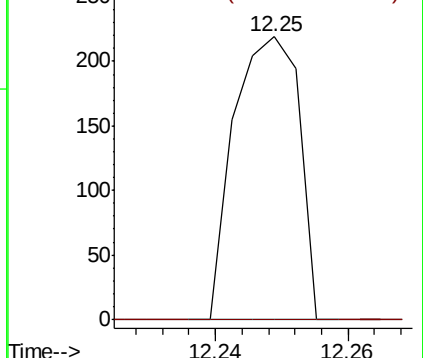
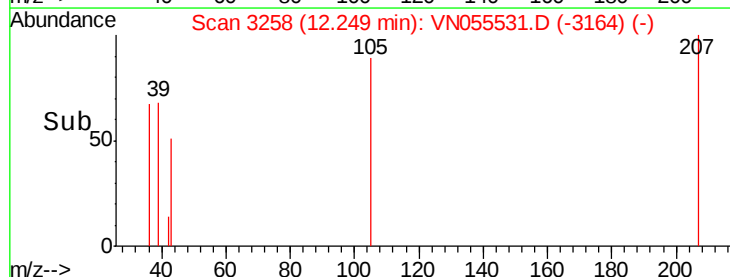
120 0.0 13.0 39.0#

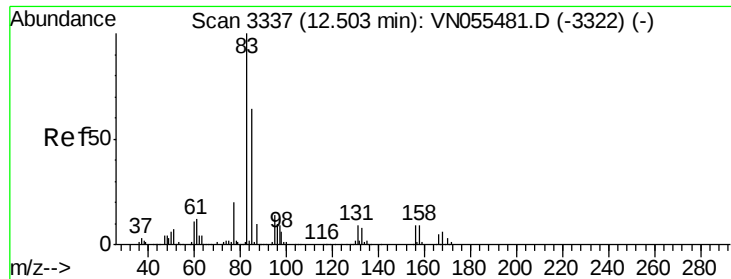


Abundance

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# 3306

Delta R.T. -0.10 min

Lab File: VN055531.D

Acq: 10 May 2019 6:15

Instrument :

MSVOA_N

ClientSampleId :

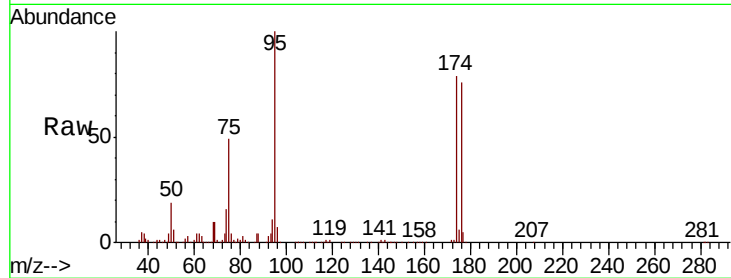
Tot Ion: 83 Resp: 68

Ion Ratio Lower Upper

83 100

131 476.5 4.5 13.5#

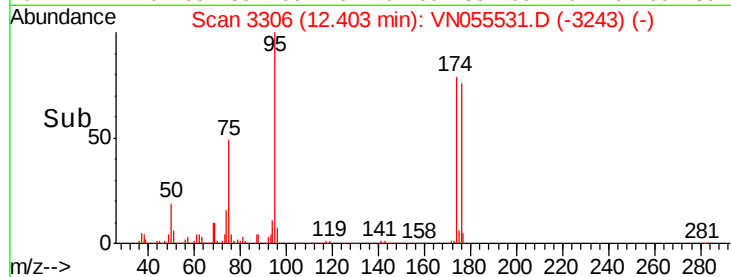
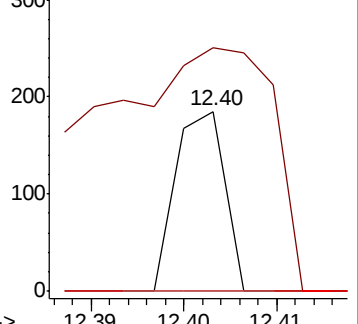
85 0.0 32.0 96.0#



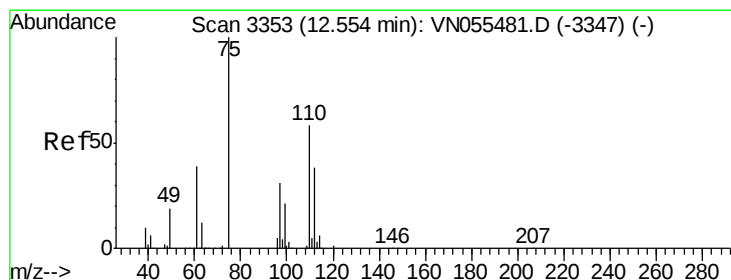
Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.804 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055531.D

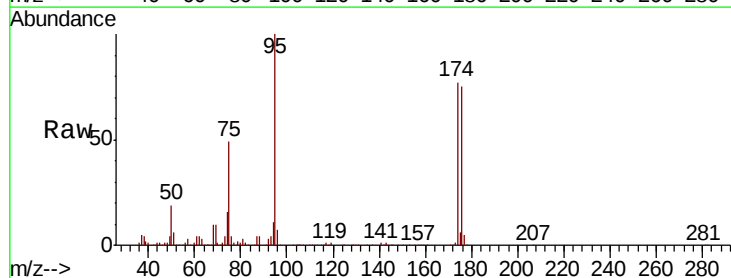
Acq: 10 May 2019 6:15

Tgt Ion: 75 Resp: 247214

Ion Ratio Lower Upper

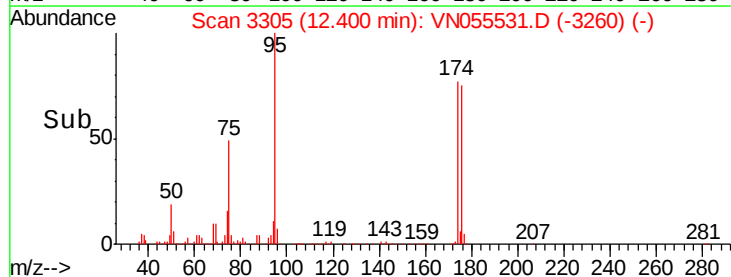
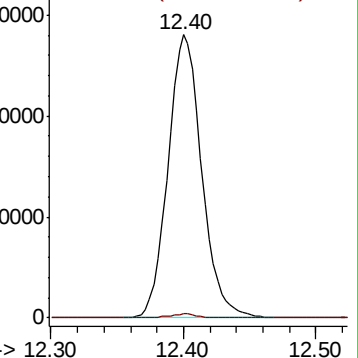
75 100

77 1.1 0.0 0.0#

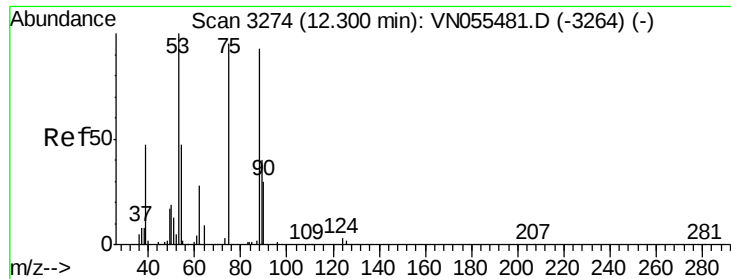


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 102.592 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055531.D

Acq: 10 May 2019 6:15

Instrument :

MSVOA_N

ClientSampleId :

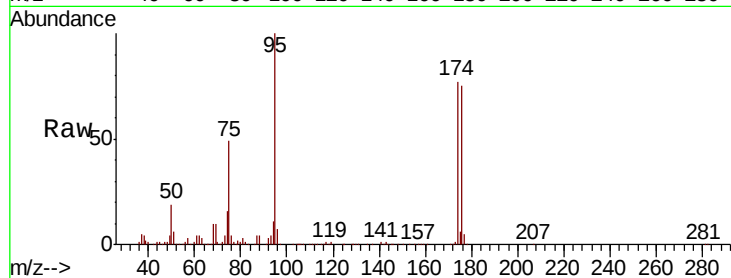
Tot Ion: 75 Resp: 247214

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

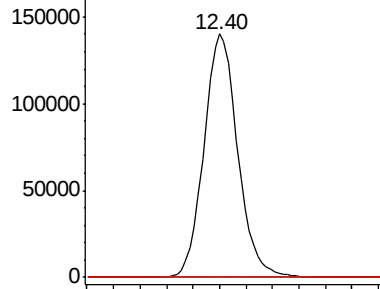
89 0.0 35.7 53.5#



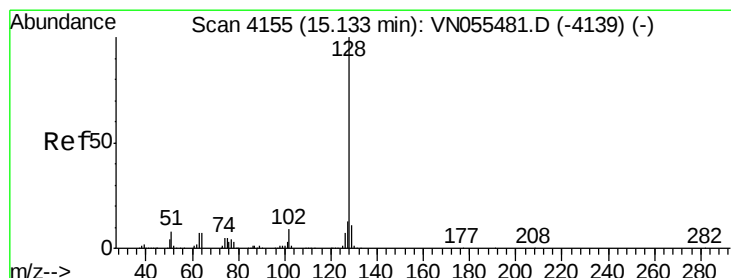
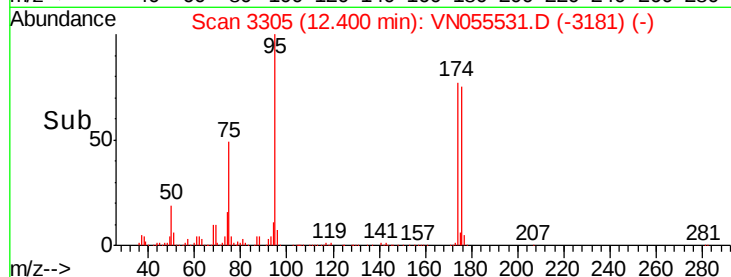
Abundance Ion 74.90 (74.60 to 75.60): VN055531.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055531.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055531.D (-3181) (-)



Time--> 12.30 12.40 12.50



#95

Naphthalene

Concen: 2.941 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN055531.D

Acq: 10 May 2019 6:15

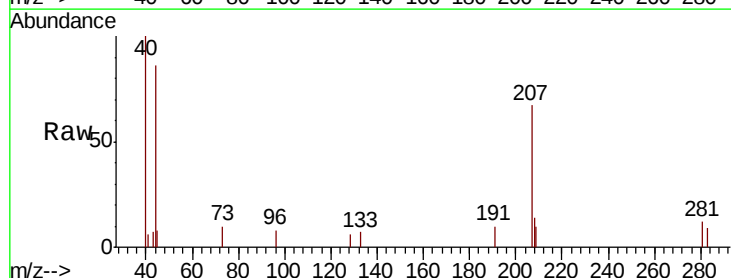
Tgt Ion: 128 Resp: 60

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

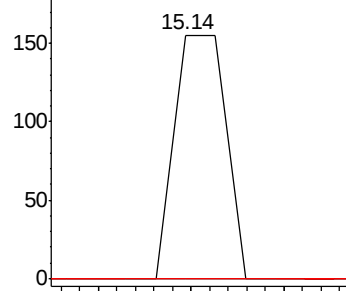
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN055531.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN055531.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN055531.D (-4062) (-)



Time--> 15.13 15.14 15.15

