

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056812.D
 Acq On : 18 Jul 2019 15:17
 Operator : JC/SP
 Sample : VN0718WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBL02

Quant Time: Jul 19 05:35:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	253631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	453044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	473173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161234	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	146857	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
35) Dibromofluoromethane	7.59	113	134578	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	10.09	98	565393	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	202290	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	

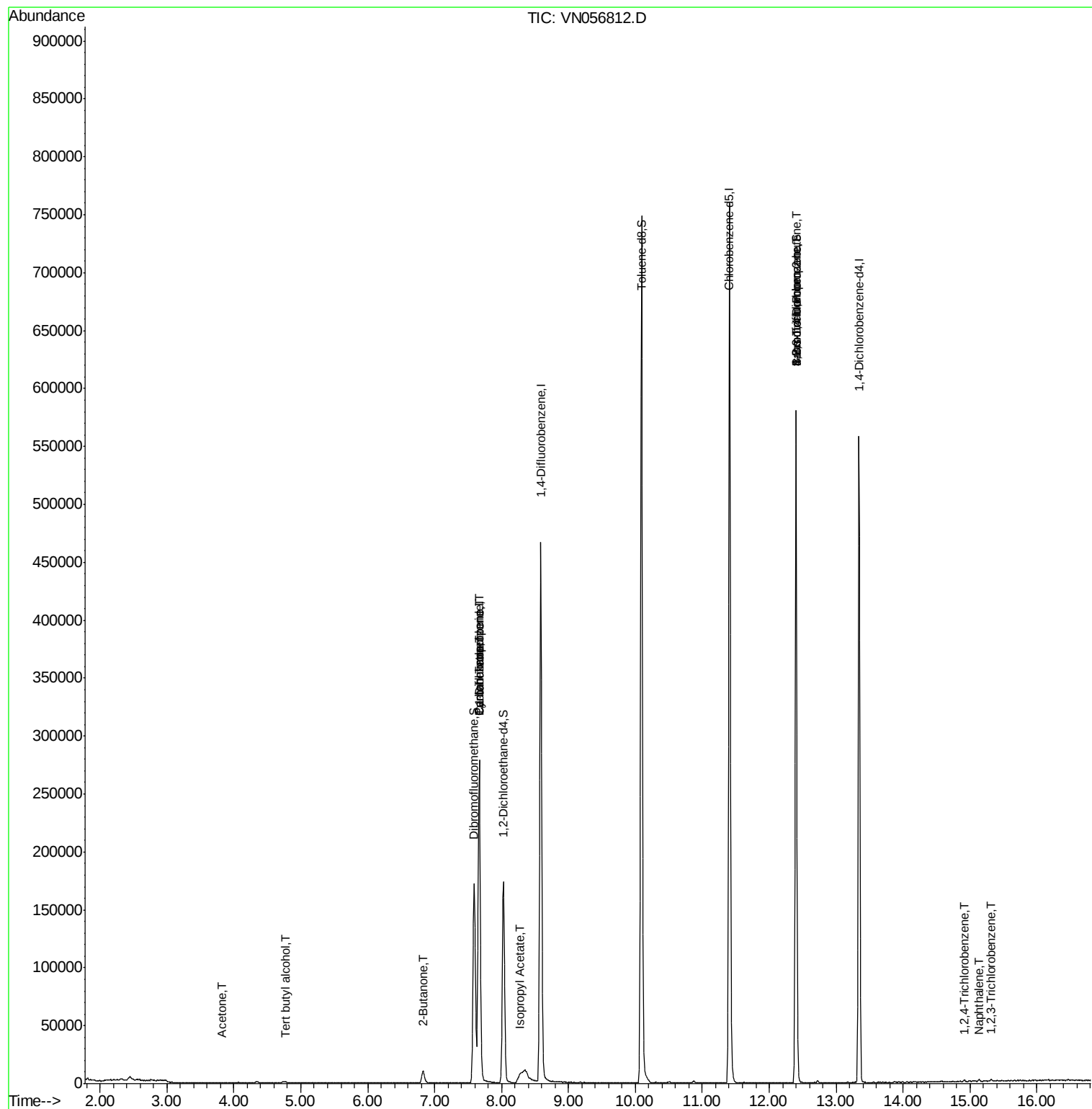
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	308	0.660	ug/l #	73
16) Acetone	3.83	43	501	0.388	ug/l #	41
25) 2-Butanone	6.82	43	410	0.217	ug/l #	48
31) Cyclohexane	7.67	56	3753	0.837	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	15907	3.794	ug/l #	49
38) Carbon Tetrachloride	7.66	117	21603	5.495	ug/l #	16
43) Isopropyl Acetate	8.27	43	6529	1.005	ug/l #	53
71) Bromoform	12.40	173	1550	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	93975	26.649	ug/l #	100
79) 2-Chlorotoluene	12.67	91	61	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	93975	82.300	ug/l #	13
83) tert-Butylbenzene	13.00	119	66	Below Cal	#	69
93) 1,2,4-Trichlorobenzene	14.91	180	767	3.917	ug/l #	85
95) Naphthalene	15.14	128	1570	4.691	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.31	180	1115	3.656	ug/l	87

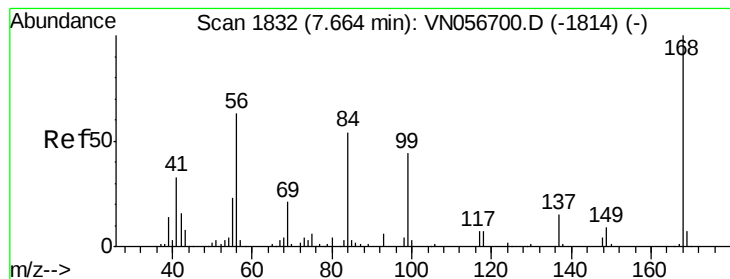
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 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: VN056812.D

Acq: 18 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

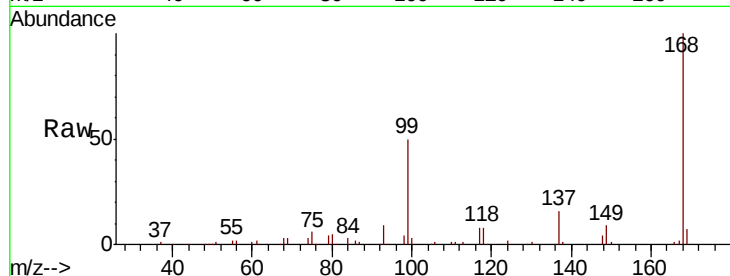
VN0718WBL02

Tot Ion:168 Resp: 253631

Ion Ratio Lower Upper

168 100

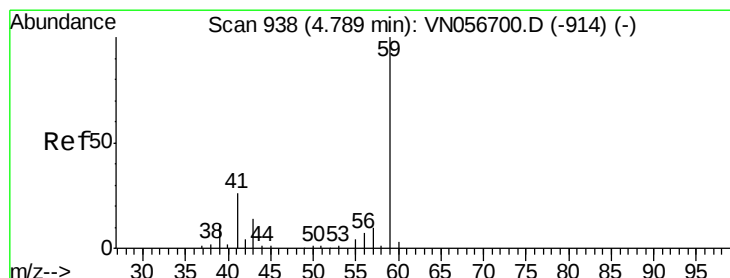
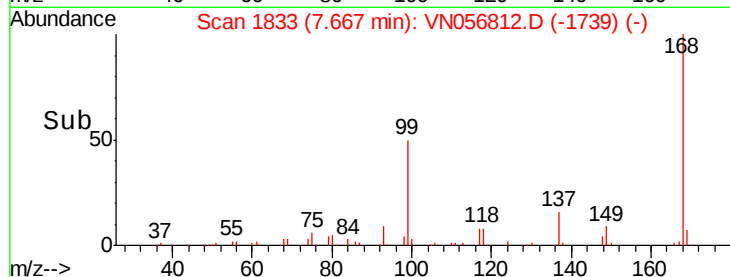
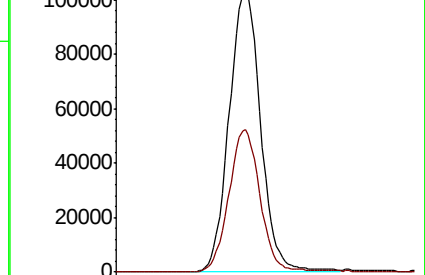
99 50.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056812.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056812.D (-1739) (-)

7.67



#11

Tert butyl alcohol

Concen: 0.660 ug/l

RT: 4.78 min Scan# 934

Delta R.T. -0.01 min

Lab File: VN056812.D

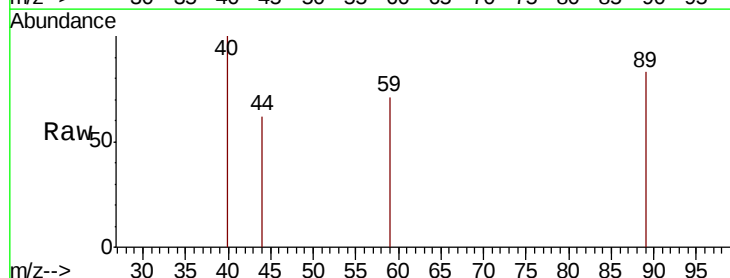
Acq: 18 Jul 2019 15:17

Tgt Ion: 59 Resp: 308

Ion Ratio Lower Upper

59 100

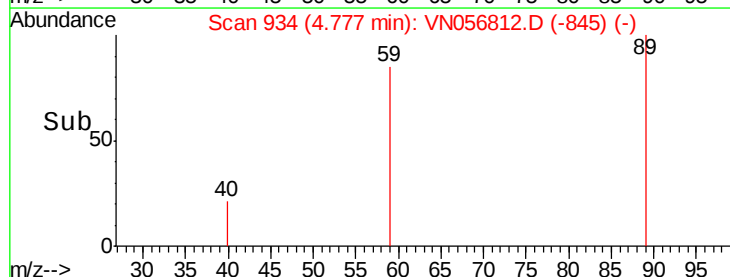
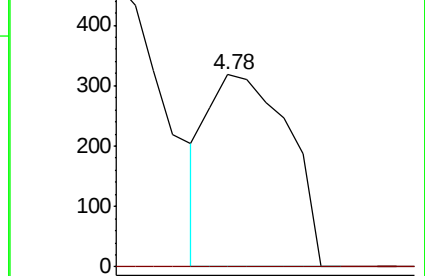
57 0.0 8.0 12.0#

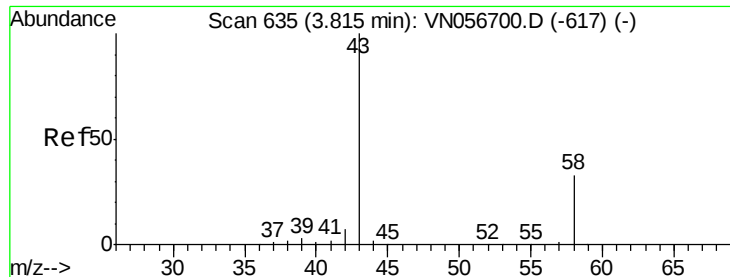


Abundance Ion 59.00 (58.70 to 59.70): VN056812.D (-845) (-)

Ion 57.00 (56.70 to 57.70): VN056812.D (-845) (-)

4.78





#16

Acetone

Concen: 0.388 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056812.D

Acq: 18 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

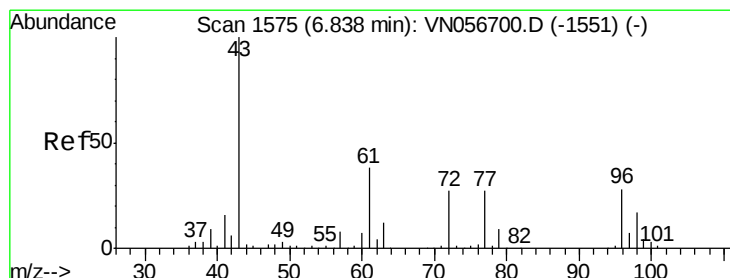
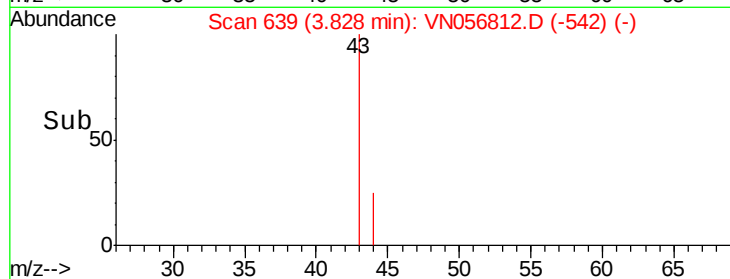
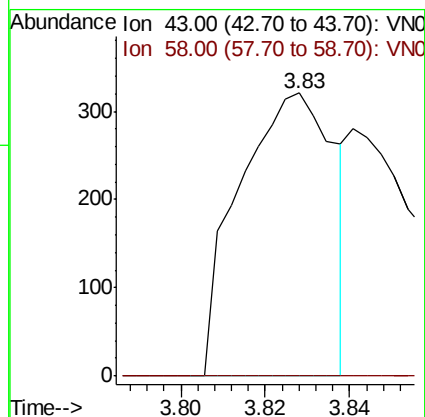
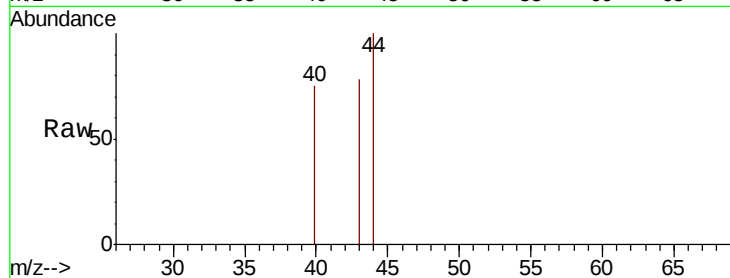
VN0718WBL02

Tot Ion: 43 Resp: 501

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#



#25

2-Butanone

Concen: 0.217 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.02 min

Lab File: VN056812.D

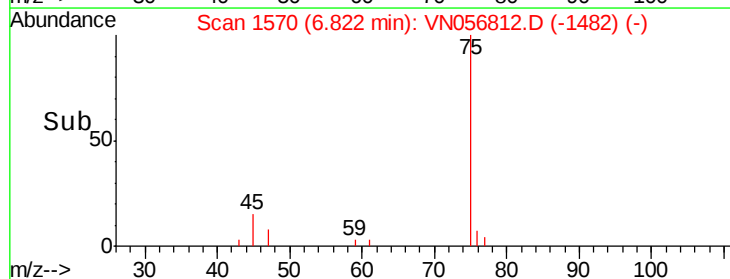
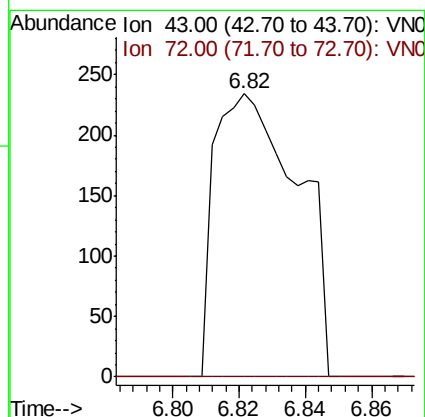
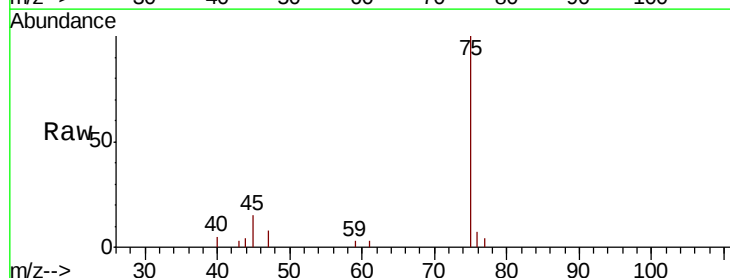
Acq: 18 Jul 2019 15:17

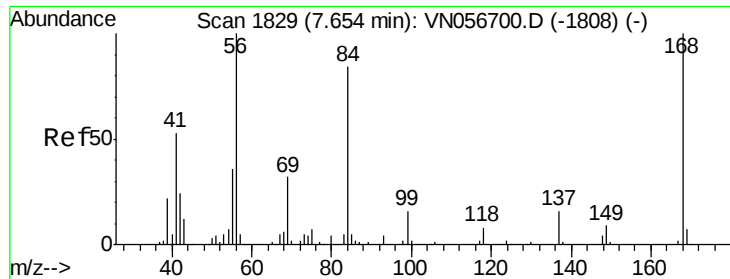
Tgt Ion: 43 Resp: 410

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#

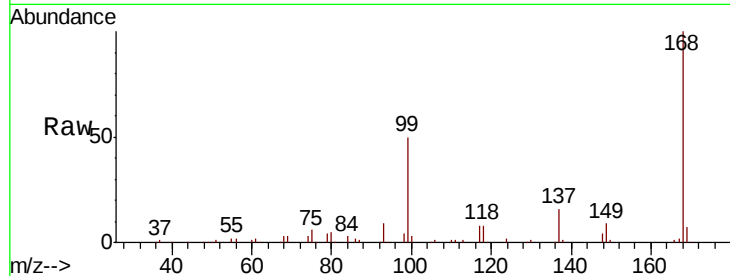




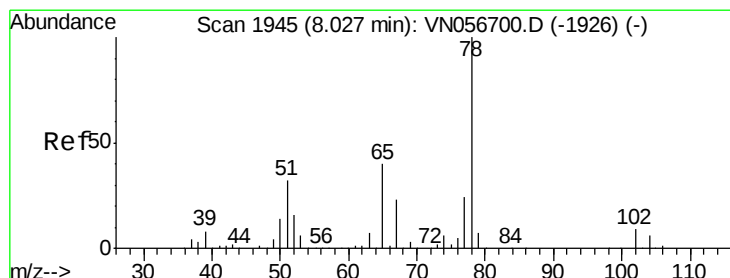
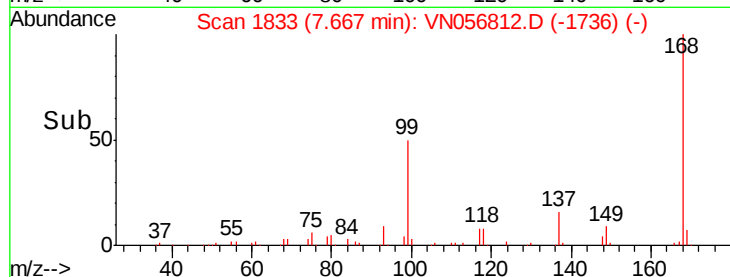
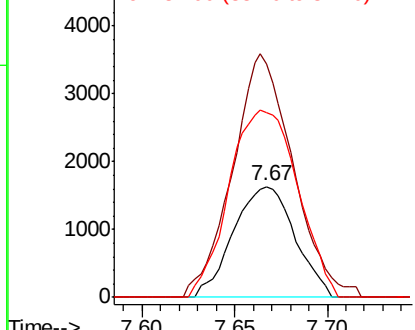
#31
Cyclohexane
Concen: 0.837 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN056812.D
Acq: 18 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL02

Tot Ion: 56 Resp: 3753
Ion Ratio Lower Upper
56 100
69 200.2 25.8 38.8#
84 167.0 67.4 101.0#

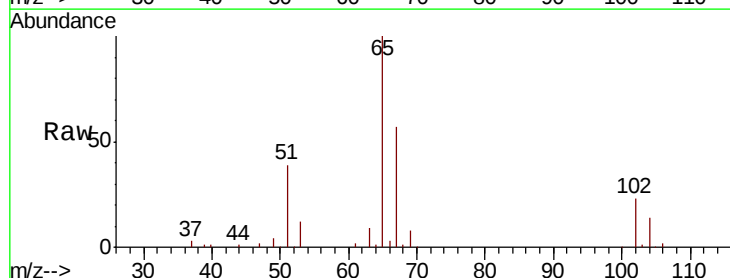


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

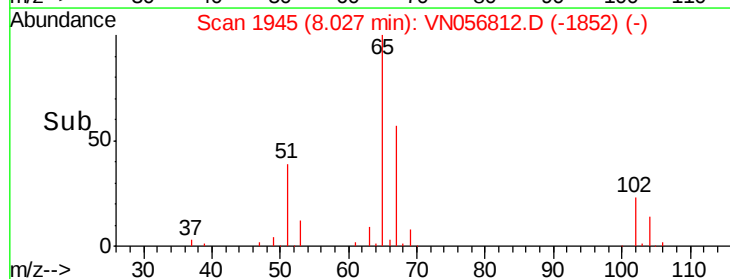
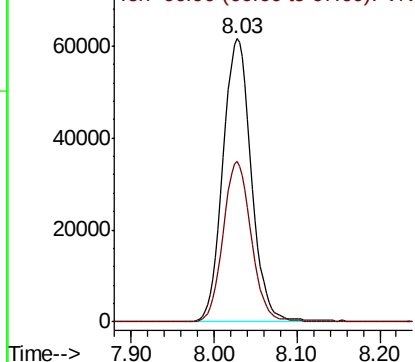


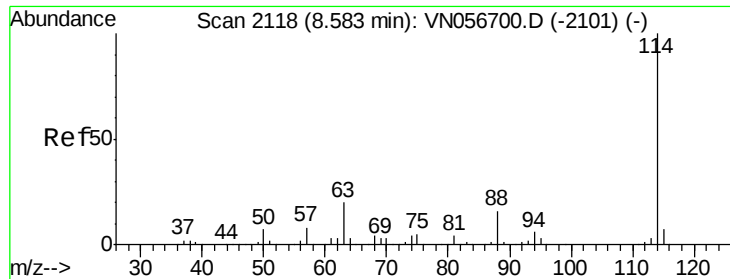
#33
1,2-Dichloroethane-d4
Concen: 52.346 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056812.D
Acq: 18 Jul 2019 15:17

Tgt Ion: 65 Resp: 146857
Ion Ratio Lower Upper
65 100
67 56.0 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

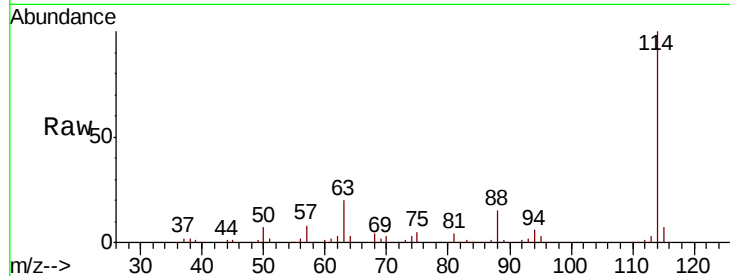




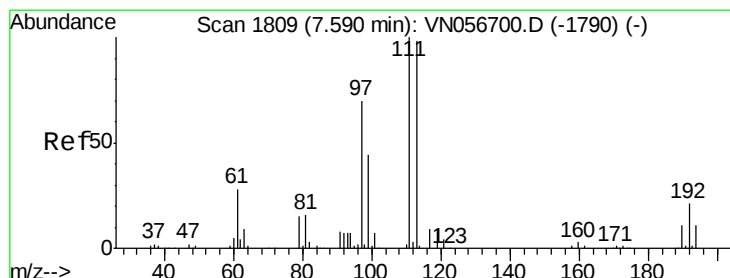
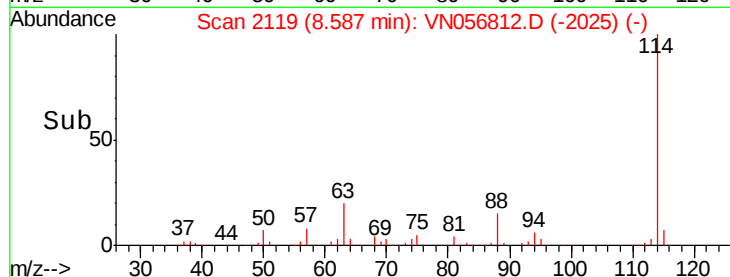
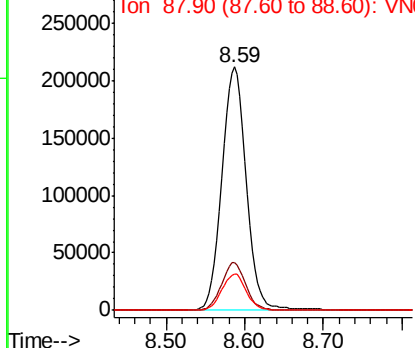
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056812.D
Acq: 18 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL02

Tot Ion:114 Resp: 453044
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.4
88 15.1 0.0 31.2

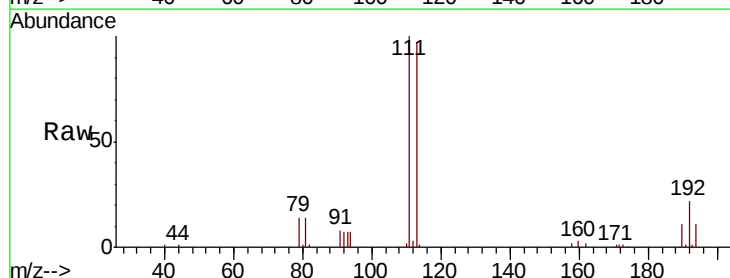


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

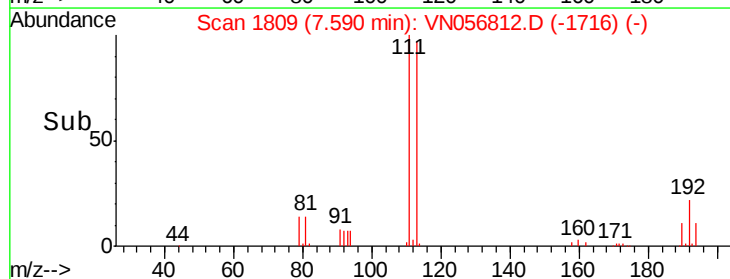
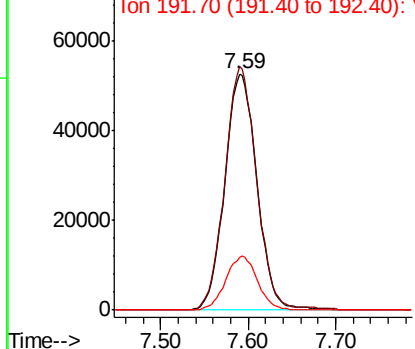


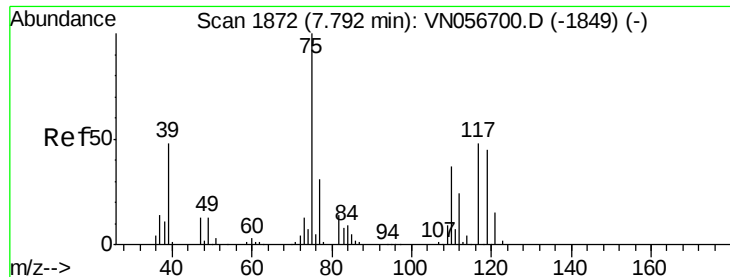
#35
Dibromofluoromethane
Concen: 47.733 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056812.D
Acq: 18 Jul 2019 15:17

Tgt Ion:113 Resp: 134578
Ion Ratio Lower Upper
113 100
111 101.3 81.8 122.6
192 22.6 17.5 26.3



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

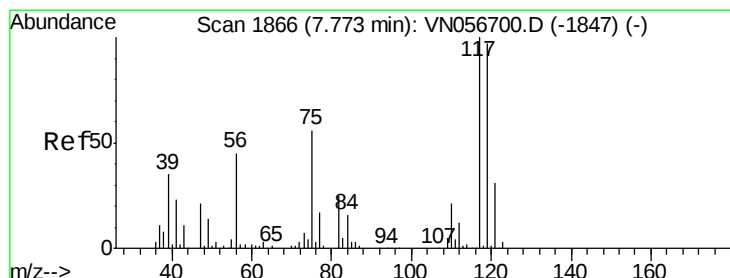
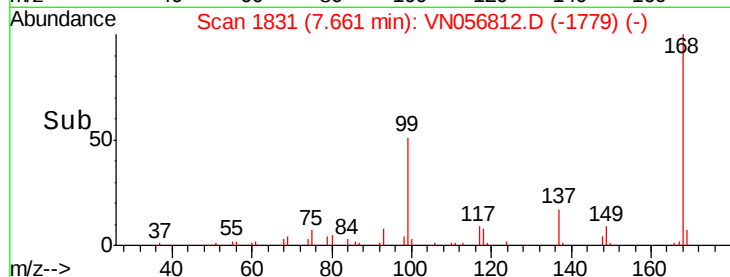
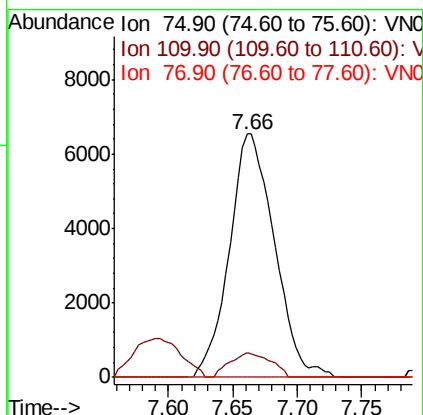
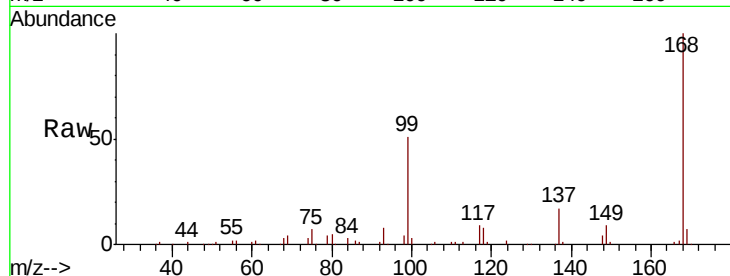




#36
 1,1-Dichloropropene
 Concen: 3.794 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056812.D
 Acq: 18 Jul 2019 15:17

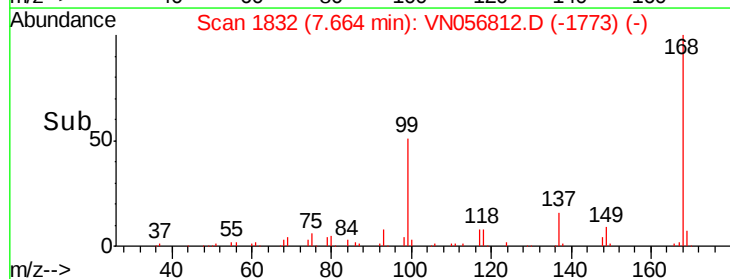
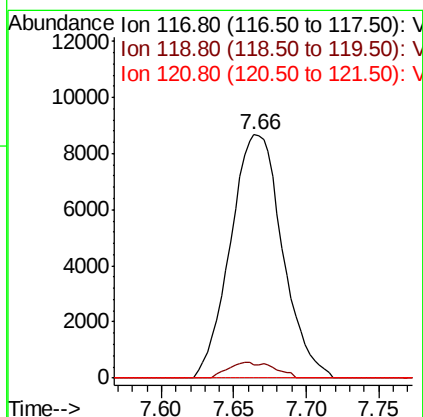
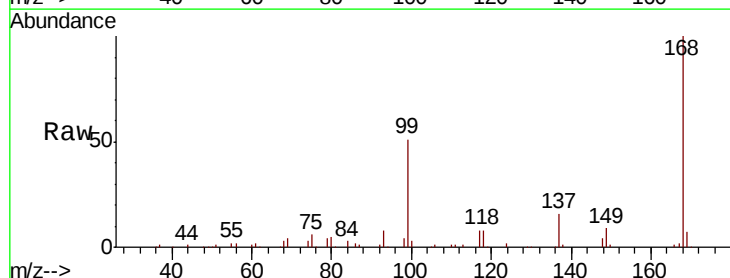
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBL02

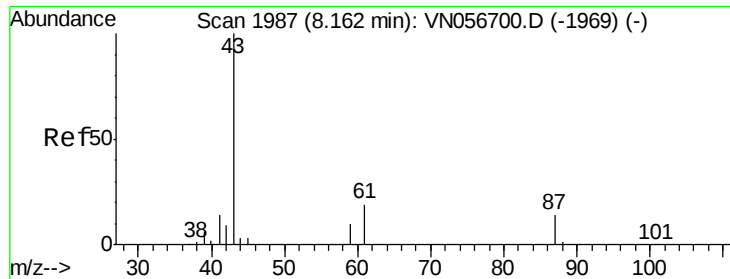
Tot Ion	75	Resp	15907
Ion Ratio	Lower	Upper	
75	100		
110	9.1	18.4	55.4#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.495 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056812.D
 Acq: 18 Jul 2019 15:17

Tgt Ion	117	Resp	21603
Ion Ratio	Lower	Upper	
117	100		
119	5.6	77.5	116.3#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 1.005 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN056812.D

Acq: 18 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBL02

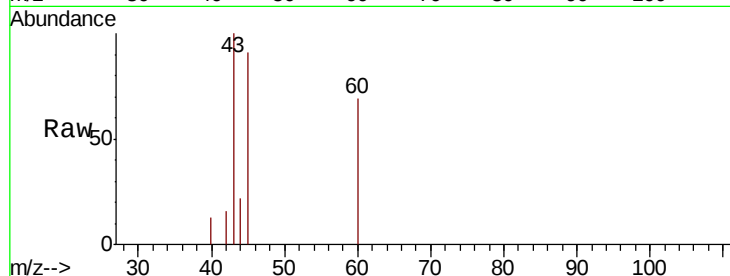
Tot Ion: 43 Resp: 6529

Ion Ratio Lower Upper

43 100

61 0.0 22.3 33.5#

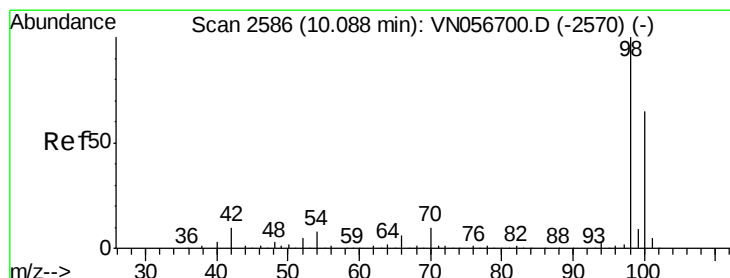
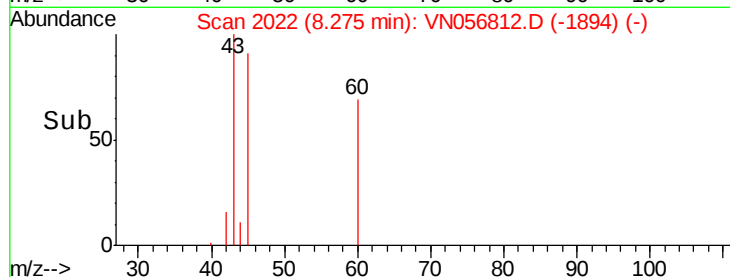
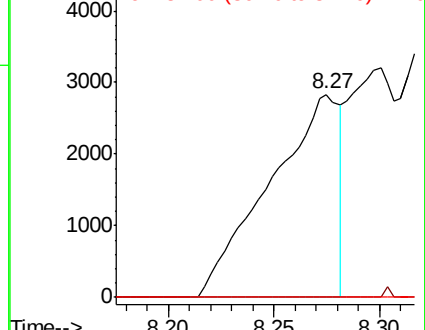
87 0.0 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.923 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056812.D

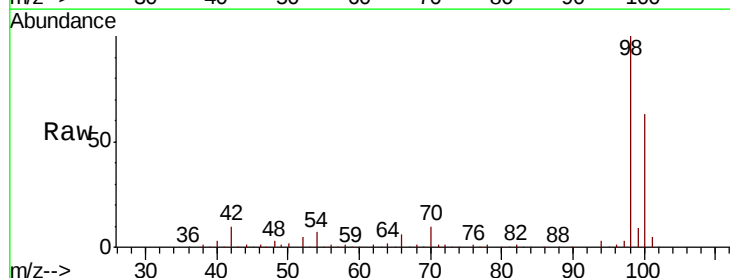
Acq: 18 Jul 2019 15:17

Tgt Ion: 98 Resp: 565393

Ion Ratio Lower Upper

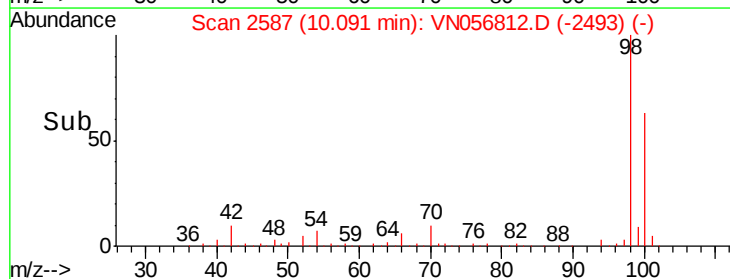
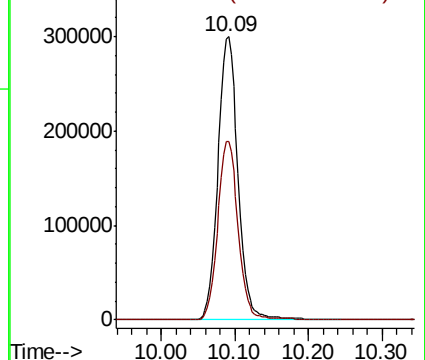
98 100

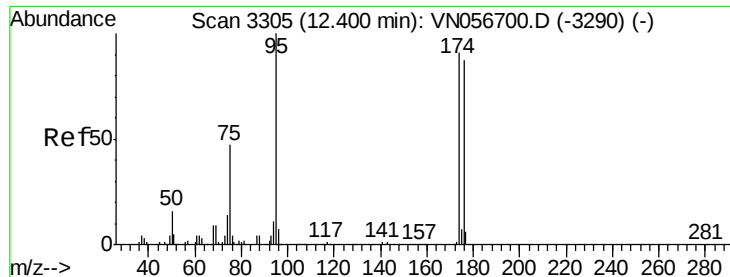
100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

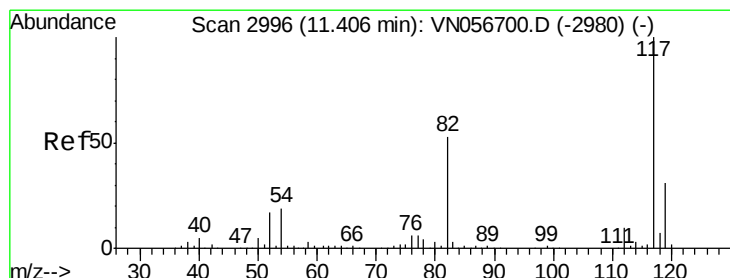
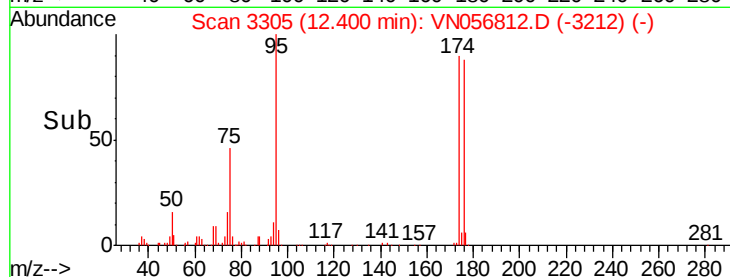
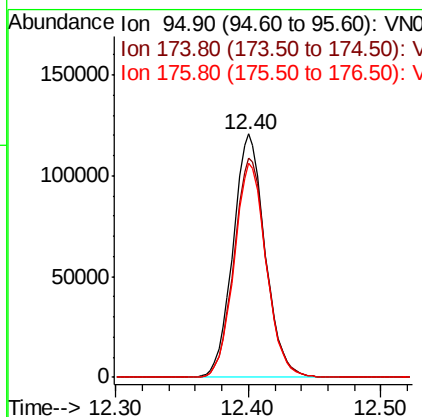
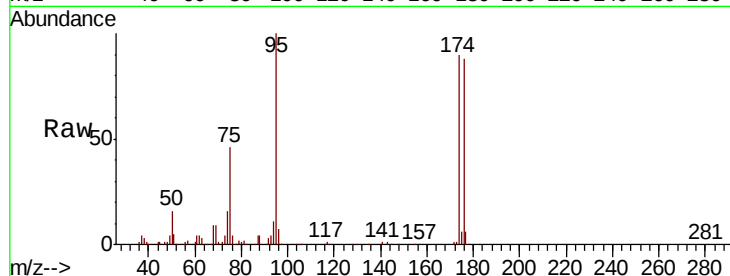




#62
4-Bromofluorobenzene
Concen: 55.087 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056812.D
Acq: 18 Jul 2019 15:17

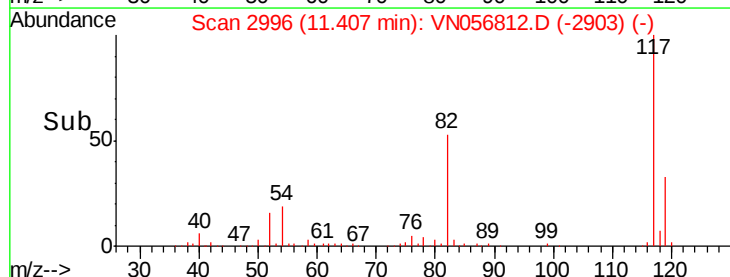
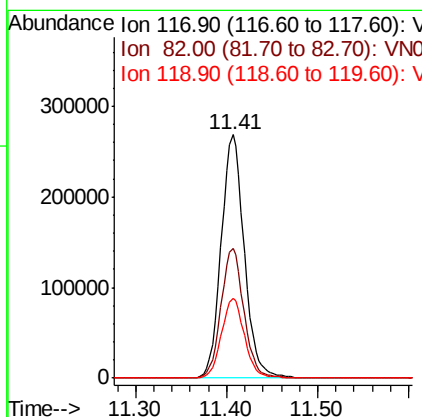
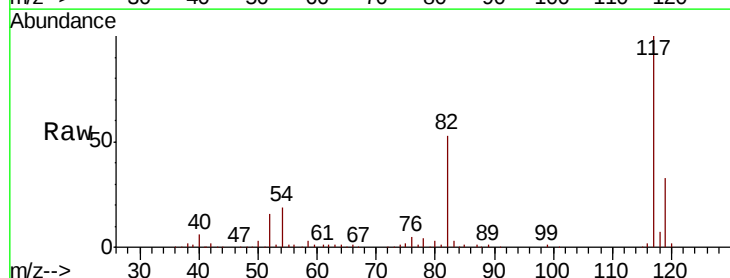
Instrument :
MSVOA_N
ClientSampleId :
VN0718WBL02

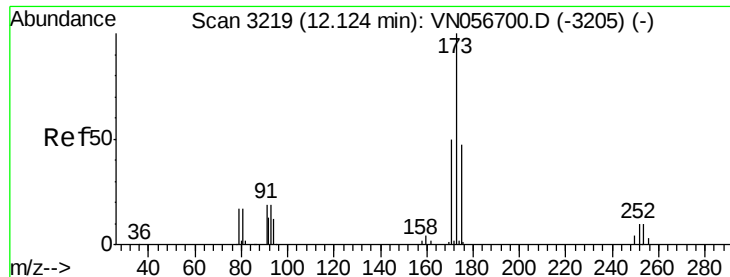
Tot Ion: 95 Resp: 202290
Ion Ratio Lower Upper
95 100
174 91.0 0.0 180.0
176 88.1 0.0 173.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056812.D
Acq: 18 Jul 2019 15:17

Tgt Ion: 117 Resp: 473173
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.2
119 32.5 25.2 37.8





#71

Bromoform

Concen: 0.572 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056812.D

Acq: 18 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBL02

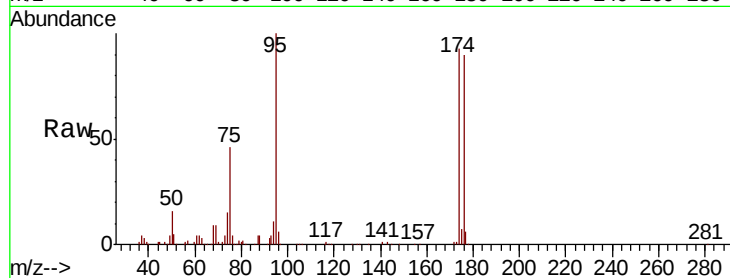
Tot Ion:173 Resp: 1550

Ion Ratio Lower Upper

173 100

175 704.6 23.8 71.4#

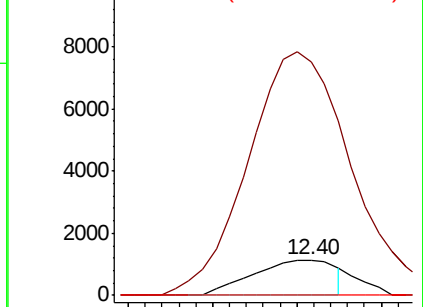
254 0.0 0.0 0.0



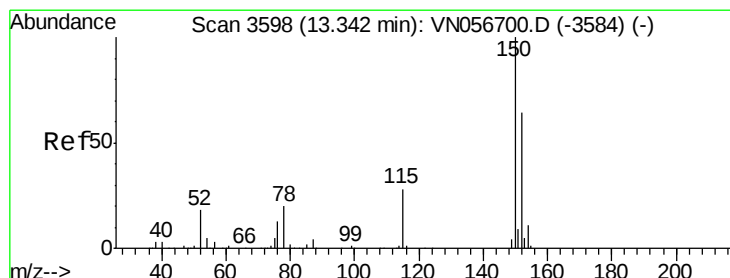
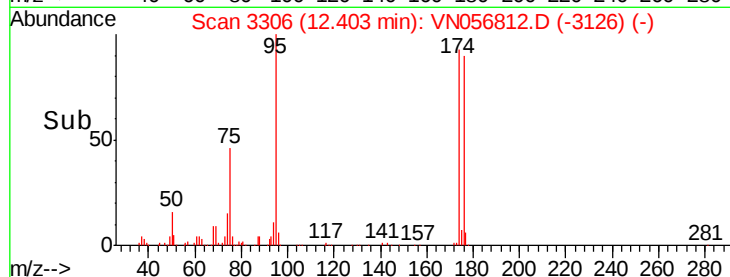
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time--> 12.36 12.38 12.40 12.42



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056812.D

Acq: 18 Jul 2019 15:17

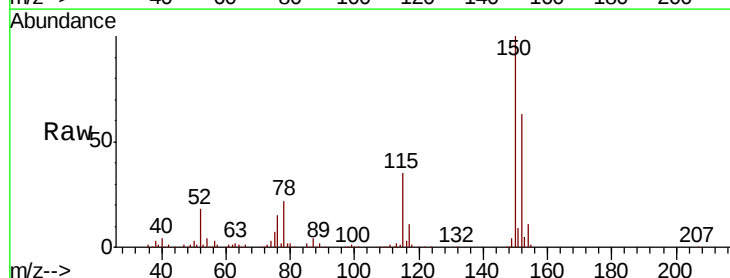
Tgt Ion:152 Resp: 161234

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

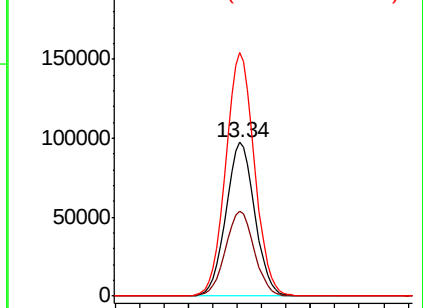
150 158.0 0.0 345.8



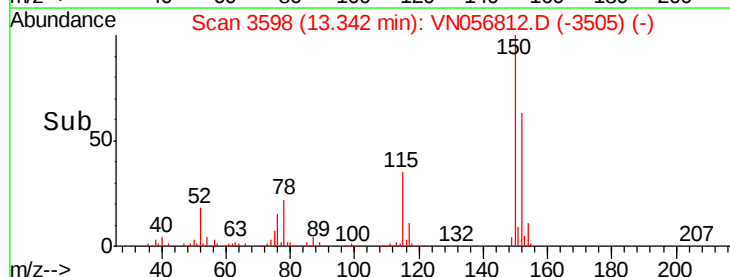
Abundance Ion 151.90 (151.60 to 152.60): V

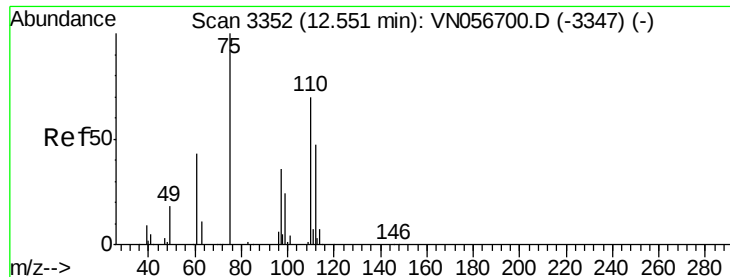
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 13.30 13.40





#76

1,2,3-Trichloropropane

Concen: 26.649 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056812.D

Acq: 18 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

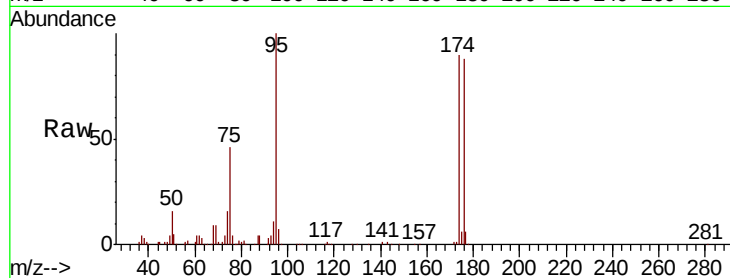
VN0718WBL02

Tot Ion: 75 Resp: 93975

Ion Ratio Lower Upper

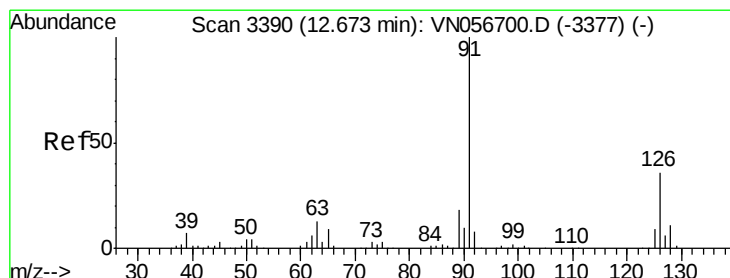
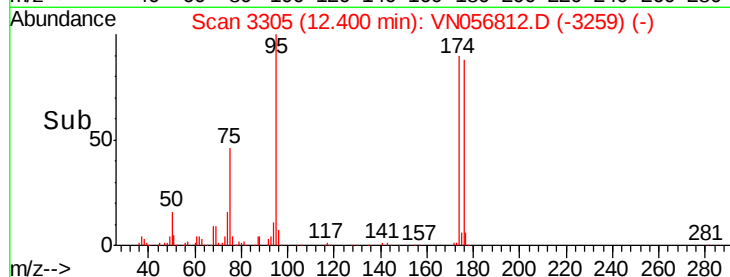
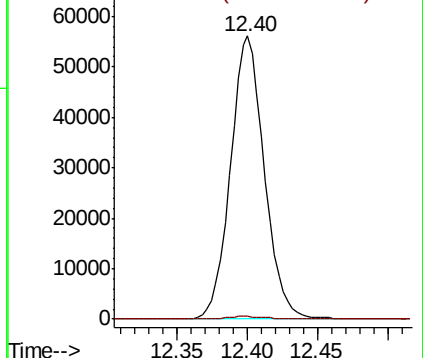
75 100

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: VN056812.D

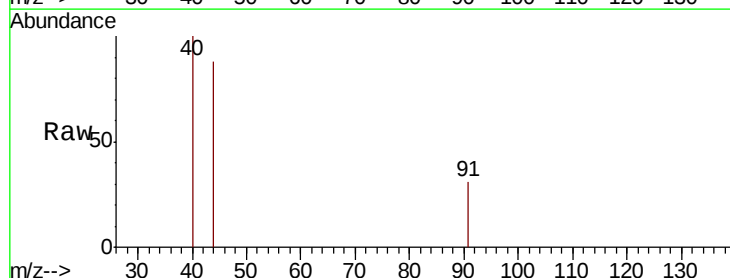
Acq: 18 Jul 2019 15:17

Tgt Ion: 91 Resp: 61

Ion Ratio Lower Upper

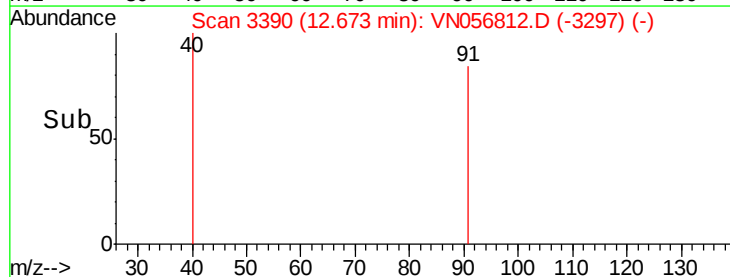
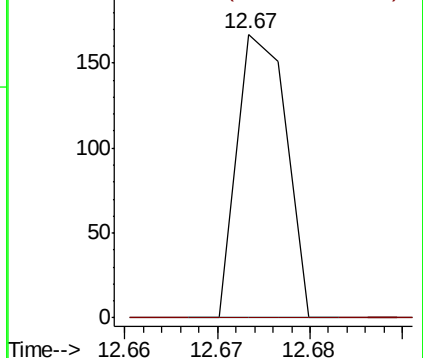
91 100

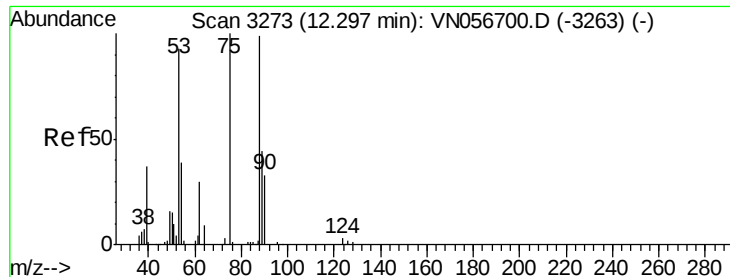
126 0.0 17.9 53.7#



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: 82.300 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056812.D

Acq: 18 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBL02

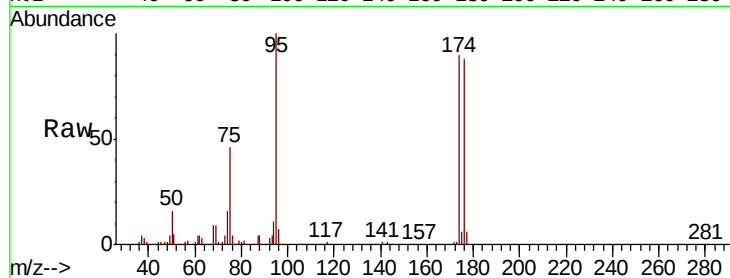
Tot Ion: 75 Resp: 93975

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

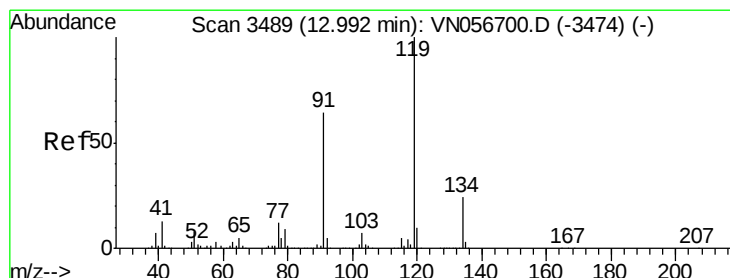
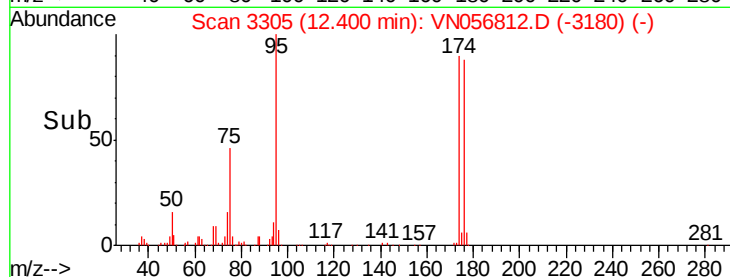
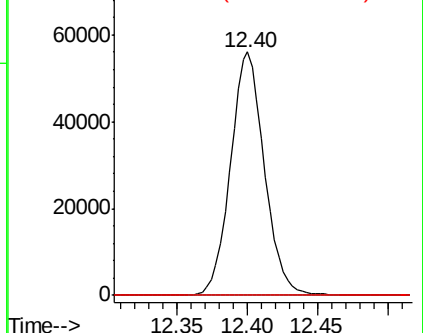
89 0.0 36.2 54.2#



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



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3491

Delta R.T. 0.01 min

Lab File: VN056812.D

Acq: 18 Jul 2019 15:17

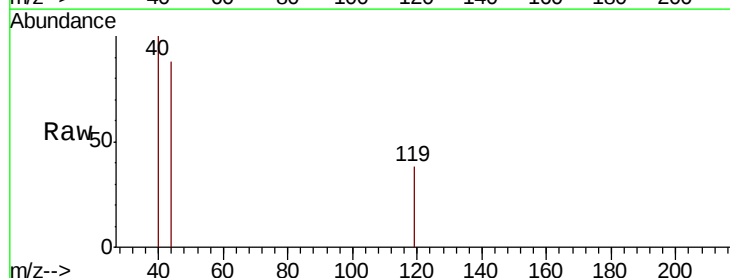
Tgt Ion: 119 Resp: 66

Ion Ratio Lower Upper

119 100

91 45.5 31.8 95.4

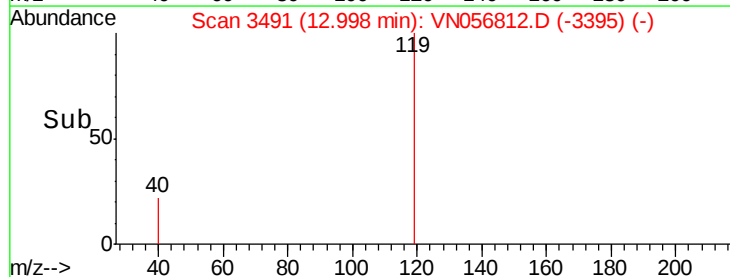
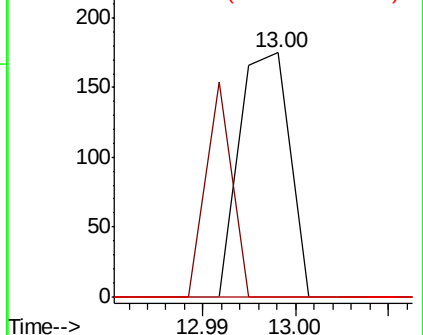
134 0.0 13.0 38.9#

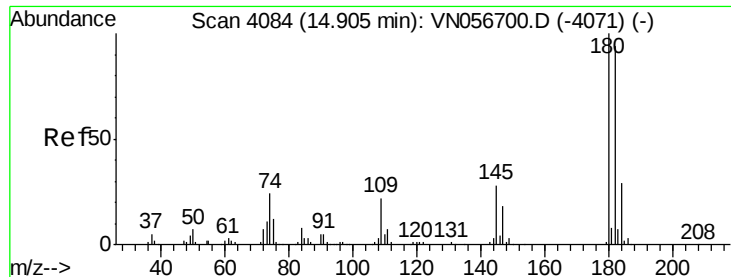


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V

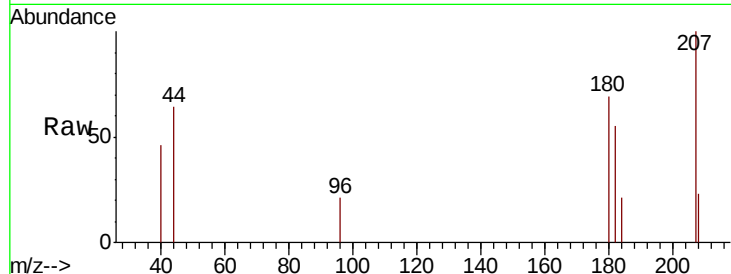




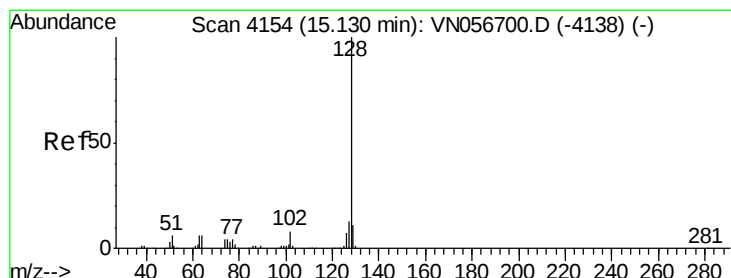
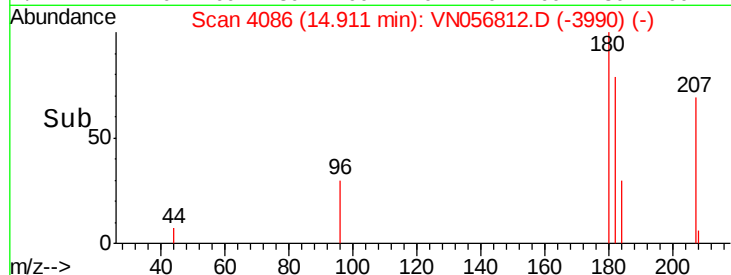
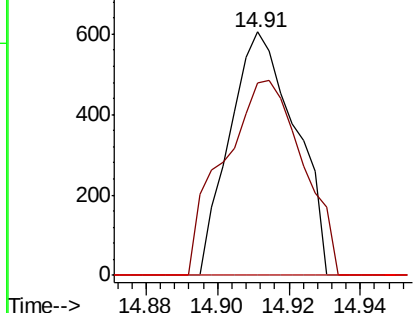
#93
 1,2,4-Trichlorobenzene
 Concen: 3.917 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN056812.D
 Acq: 18 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBL02

Tot Ion:180 Resp: 767
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.2 141.6
 145 0.0 14.2 42.8#

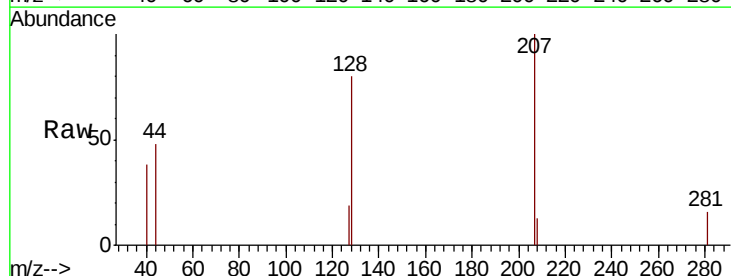


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

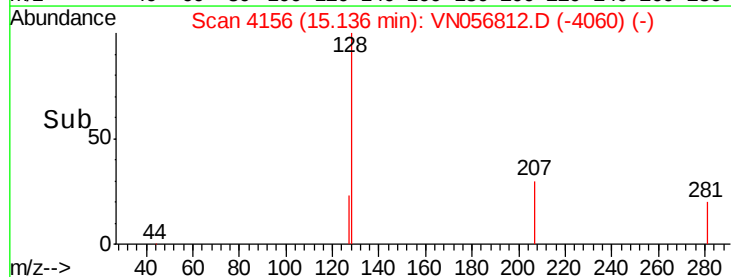
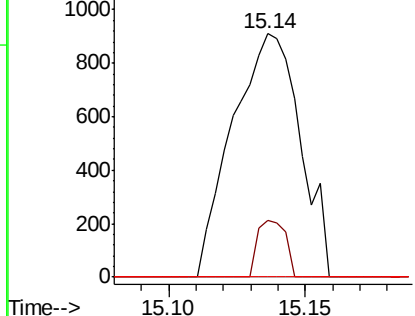


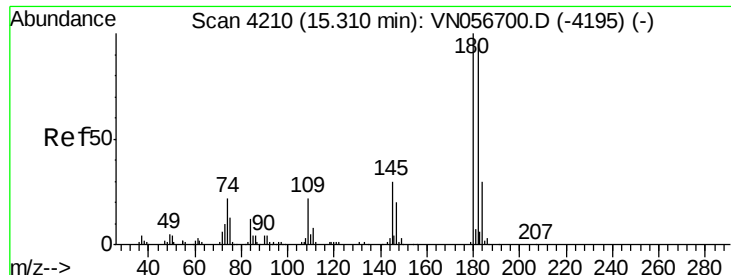
#95
 Naphthalene
 Concen: 4.691 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN056812.D
 Acq: 18 Jul 2019 15:17

Tgt Ion:128 Resp: 1570
 Ion Ratio Lower Upper
 128 100
 127 9.4 10.3 15.5#
 129 0.0 8.7 13.1#



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

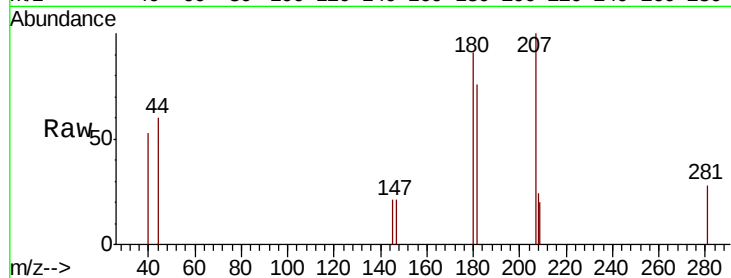




#96
 1,2,3-Trichlorobenzene
 Concen: 3.656 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056812.D
 Acq: 18 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.9	47.1	141.3
145	18.1	15.0	45.1



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

