

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056754.D
 Acq On : 16 Jul 2019 9:34
 Operator : JC/SP
 Sample : VN0716MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716MBL01

Quant Time: Jul 17 01:06:13 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	7.66	168	275124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	489512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183140	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	159705	52.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.96%	
35) Dibromofluoromethane	7.59	113	146756	48.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.34%	
50) Toluene-d8	10.09	98	614706	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.40	95	215696	54.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.72%	

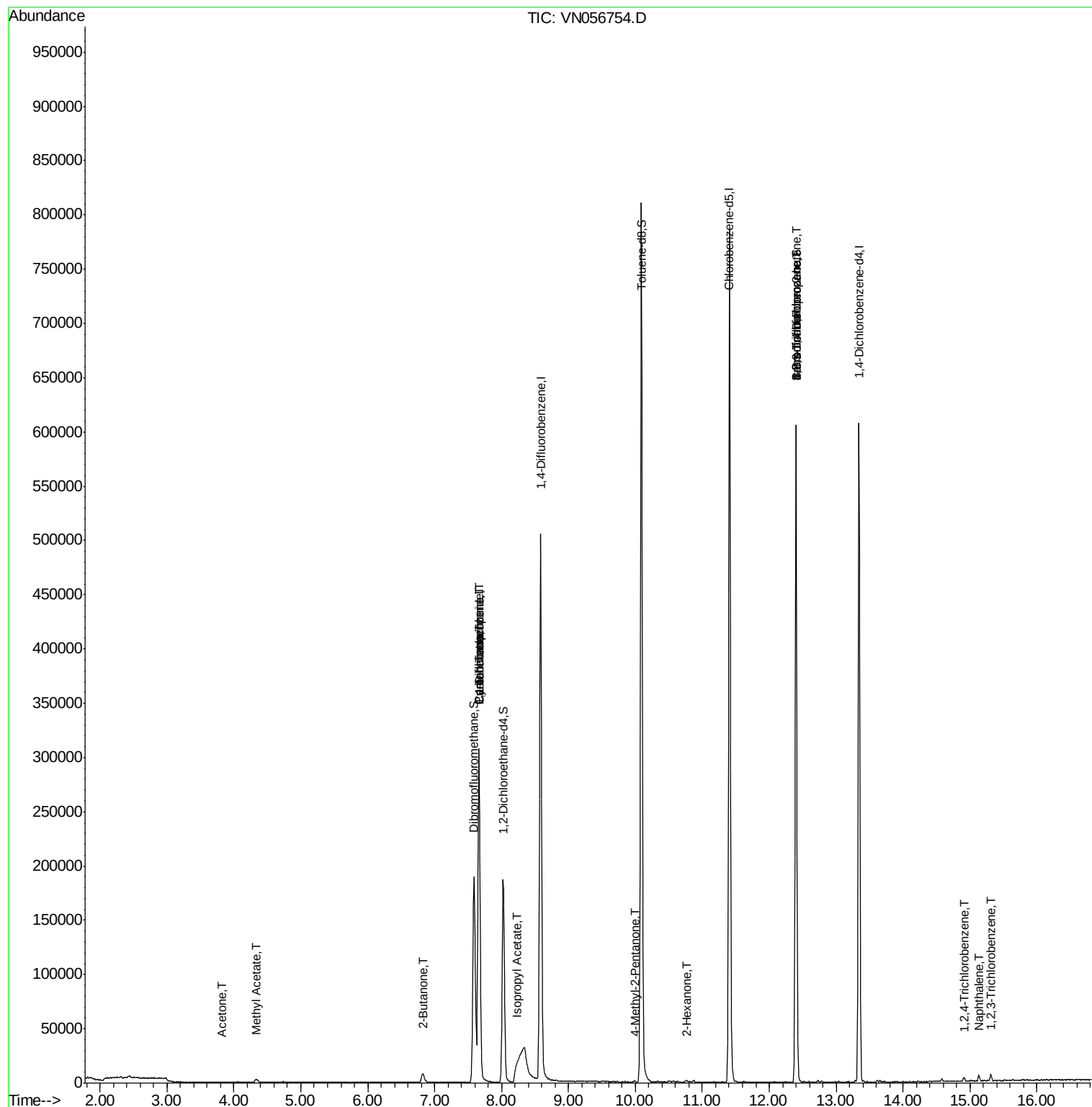
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	690	0.492	ug/l #	41
18) Methyl Acetate	4.34	43	6420	1.086	ug/l	95
25) 2-Butanone	6.83	43	454	0.221	ug/l #	48
31) Cyclohexane	7.66	56	4502	0.925	ug/l #	7
36) 1,1-Dichloropropene	7.66	75	18120	4.000	ug/l #	48
38) Carbon Tetrachloride	7.66	117	23574	5.549	ug/l #	15
43) Isopropyl Acetate	8.23	43	12703	1.810	ug/l #	53
51) 4-Methyl-2-Pentanone	9.98	43	921	0.203	ug/l #	79
59) 2-Hexanone	10.77	43	2059	0.631	ug/l #	54
71) Bromoform	12.40	173	1538	0.538	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	99066	24.732	ug/l #	100
79) 2-Chlorotoluene	12.77	91	795	Below Cal		75
81) trans-1,4-Dichloro-2-buten	12.40	75	99066	76.381	ug/l #	13
83) tert-Butylbenzene	13.00	119	270	Below Cal	#	76
93) 1,2,4-Trichlorobenzene	14.91	180	1764	4.148	ug/l	99
94) Hexachlorobutadiene	15.01	225	314	Below Cal	#	61
95) Naphthalene	15.13	128	5680	5.052	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	3065	4.129	ug/l	87

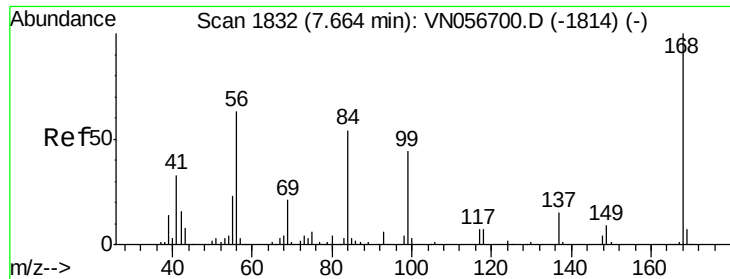
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0716MBL01

Quant Time: Jul 17 01:06:13 2019
Quant Method : Z:\V0ASRV\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: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056754.D

Acq: 16 Jul 2019 9:34

Instrument :

MSVOA_N

ClientSampled :

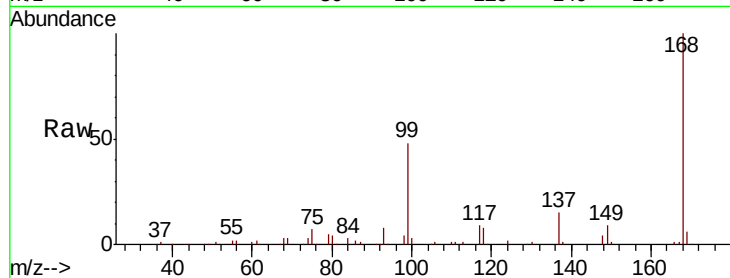
VN0716MBL01

Tot Ion:168 Resp: 275124

Ion Ratio Lower Upper

168 100

99 48.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056754.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056754.D (-1739) (-)

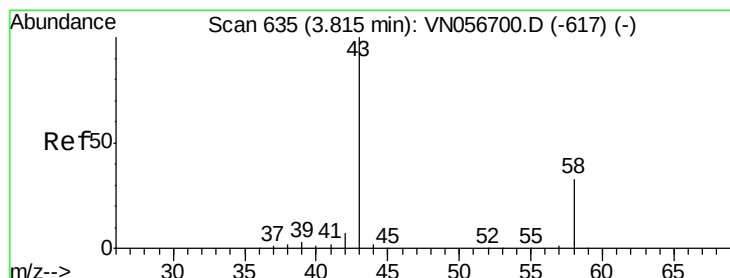
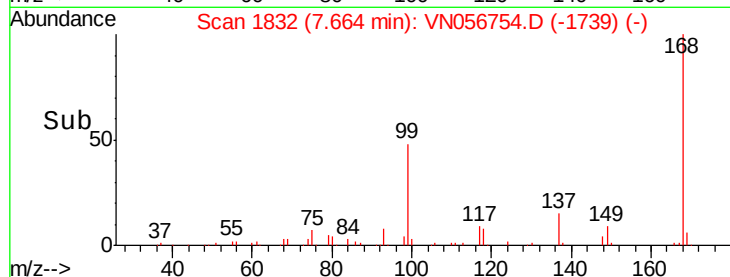
7.66

100000

50000

0

Time-->



#16

Acetone

Concen: 0.492 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056754.D

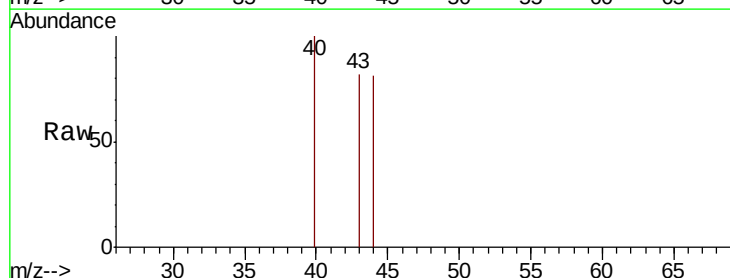
Acq: 16 Jul 2019 9:34

Tgt Ion: 43 Resp: 690

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VN056754.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056754.D (-542) (-)

3.82

400

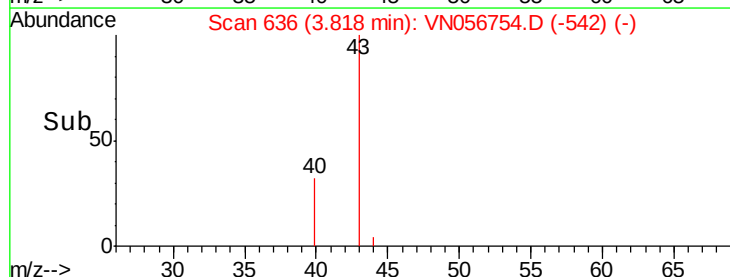
300

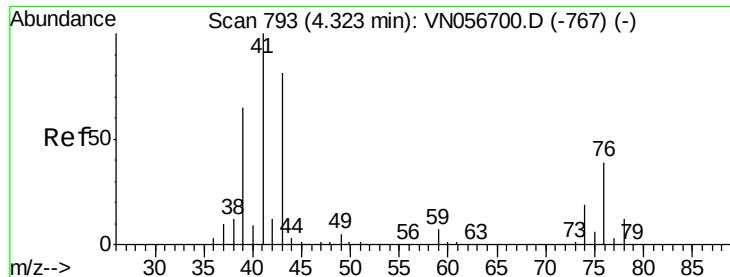
200

100

0

Time-->

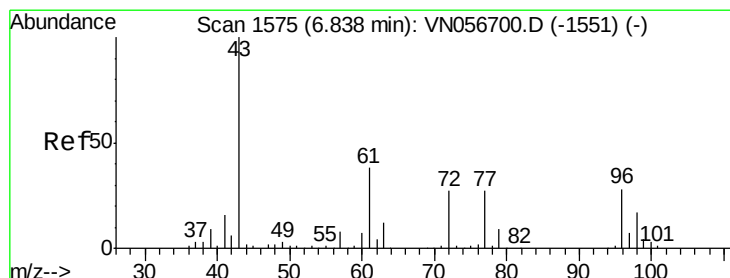
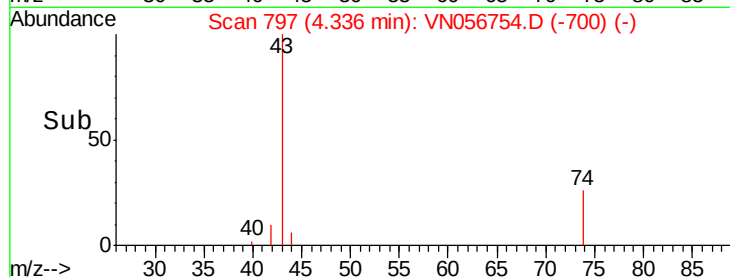
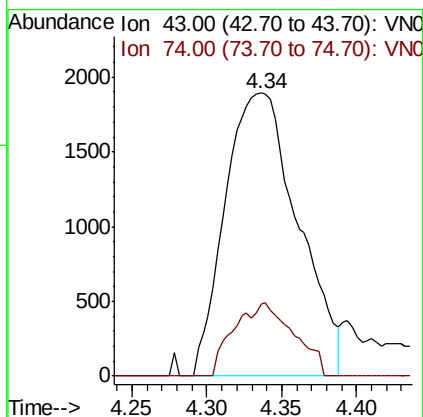
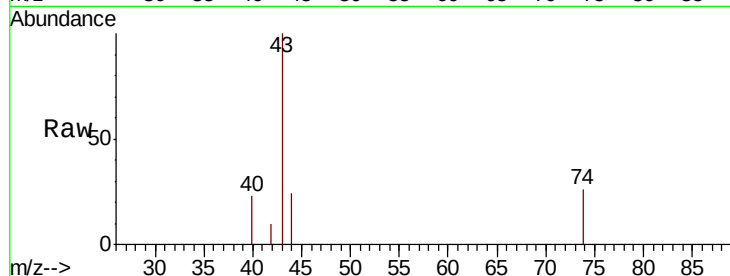




#18
Methyl Acetate
Concen: 1.086 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056754.D
Acq: 16 Jul 2019 9:34

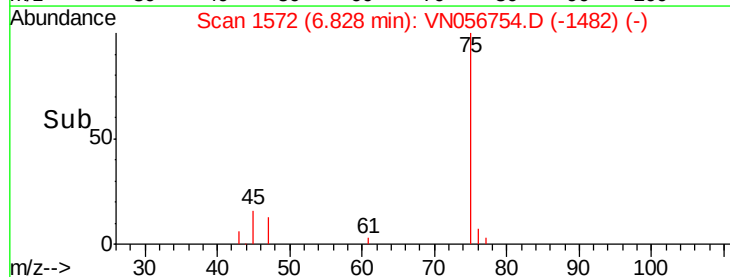
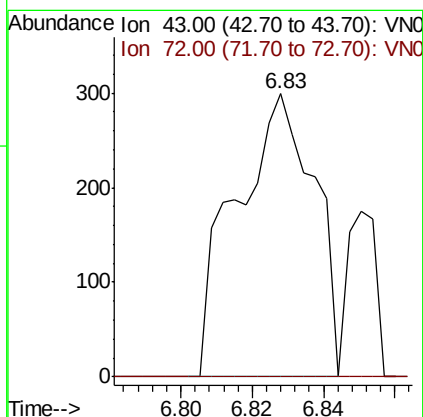
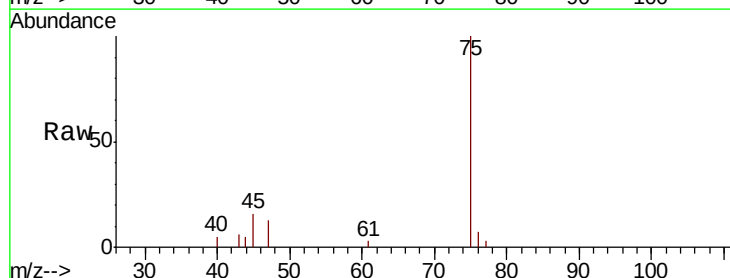
Instrument :
MSVOA_N
ClientSampleId :
VN0716MBL01

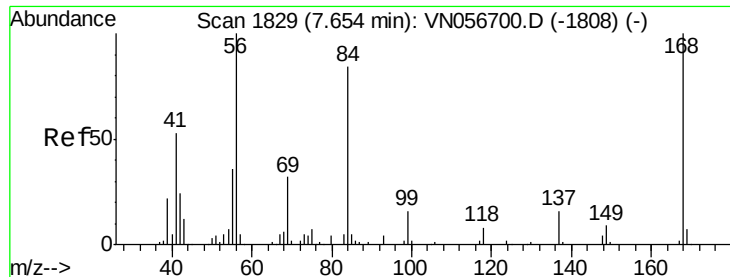
Tot Ion: 43 Resp: 6420
Ion Ratio Lower Upper
43 100
74 21.2 18.9 28.3



#25
2-Butanone
Concen: 0.221 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VN056754.D
Acq: 16 Jul 2019 9:34

Tgt Ion: 43 Resp: 454
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

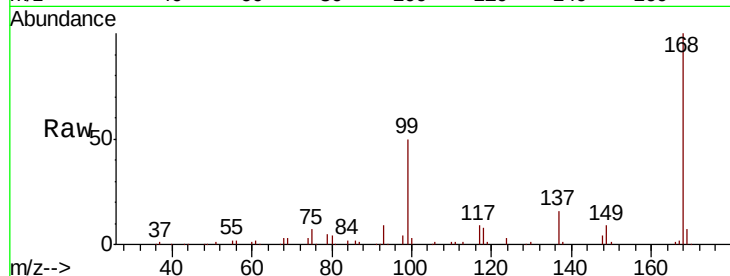




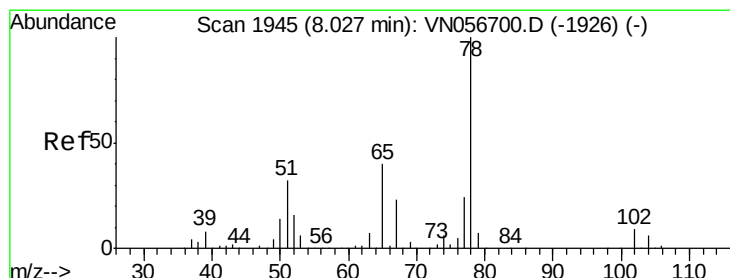
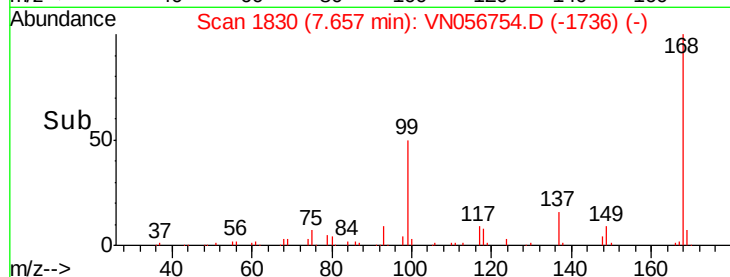
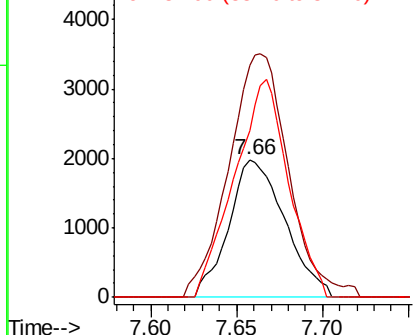
#31
Cyclohexane
Concen: 0.925 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN056754.D
Acq: 16 Jul 2019 9:34

Instrument :
MSVOA_N
ClientSampled :
VN0716MBL01

Tot Ion: 56 Resp: 4502
Ion Ratio Lower Upper
56 100
69 160.2 25.8 38.8#
84 120.9 67.4 101.0#

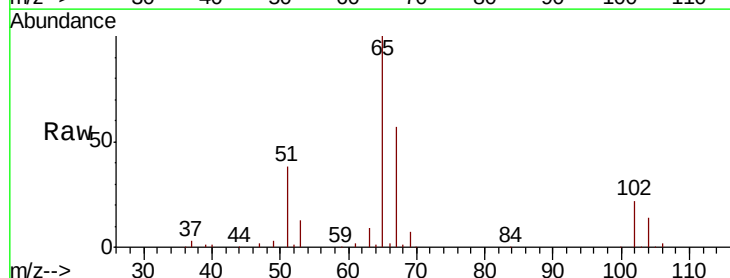


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

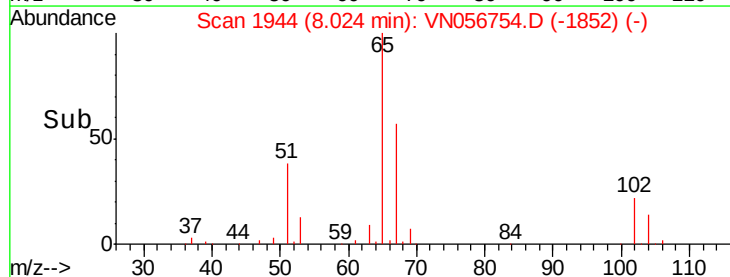
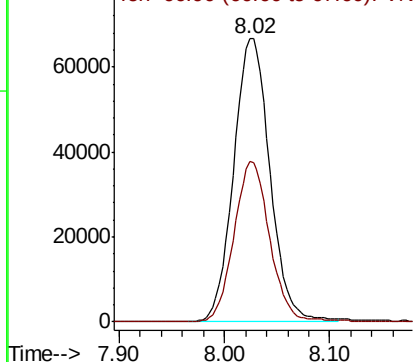


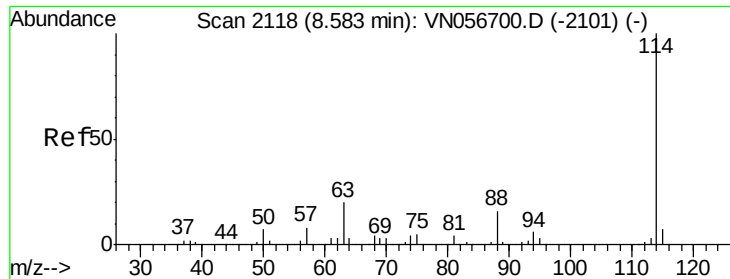
#33
1,2-Dichloroethane-d4
Concen: 52.478 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN056754.D
Acq: 16 Jul 2019 9:34

Tgt Ion: 65 Resp: 159705
Ion Ratio Lower Upper
65 100
67 55.9 0.0 109.0



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

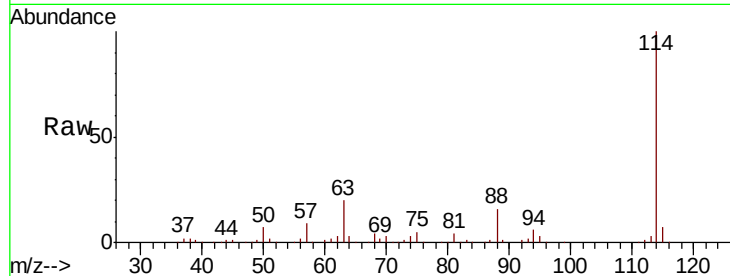




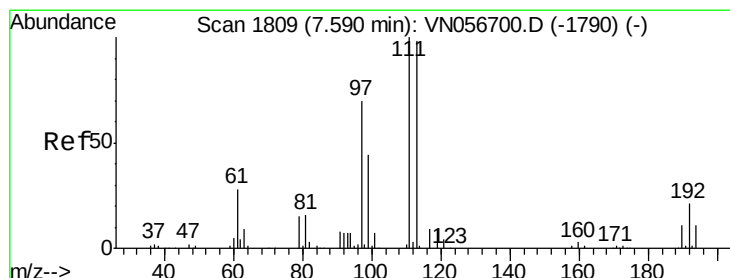
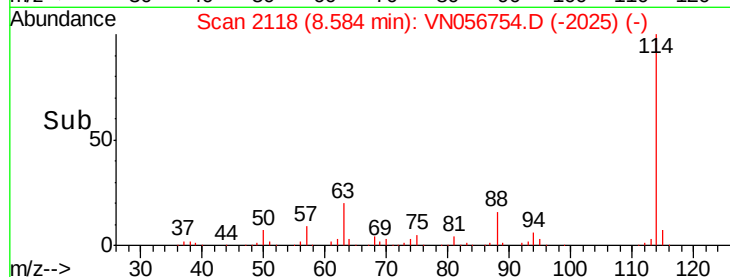
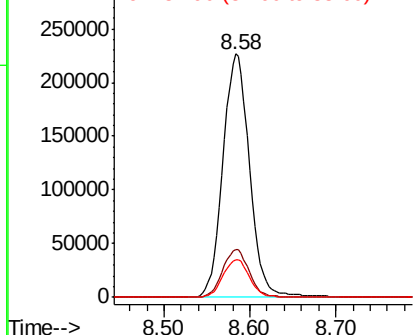
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056754.D
 Acq: 16 Jul 2019 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716MBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.4
88	15.6	0.0	31.2

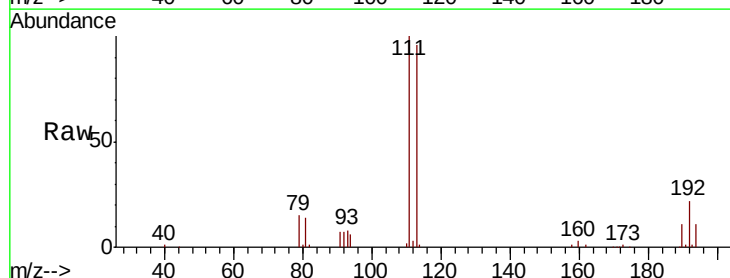


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

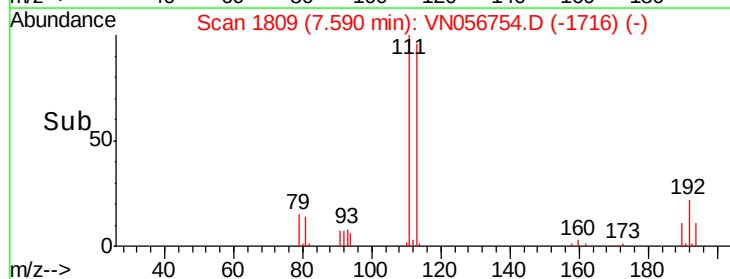
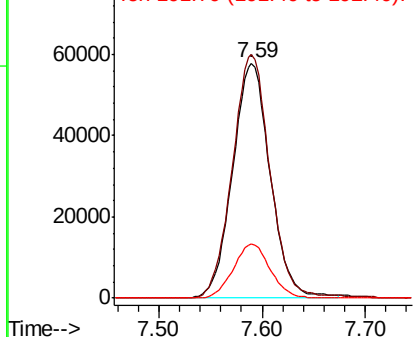


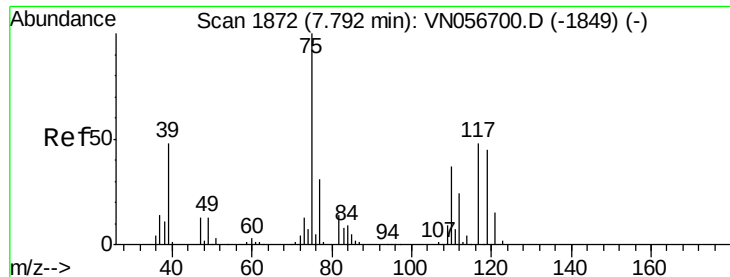
#35
 Dibromofluoromethane
 Concen: 48.175 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056754.D
 Acq: 16 Jul 2019 9:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	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

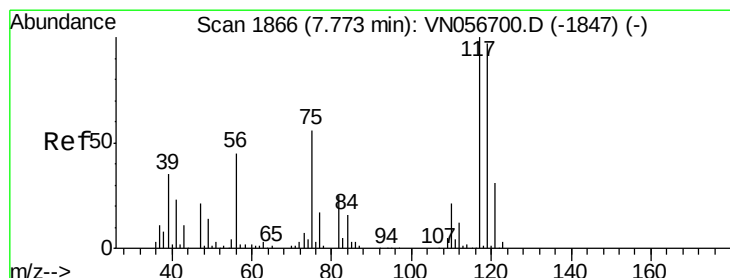
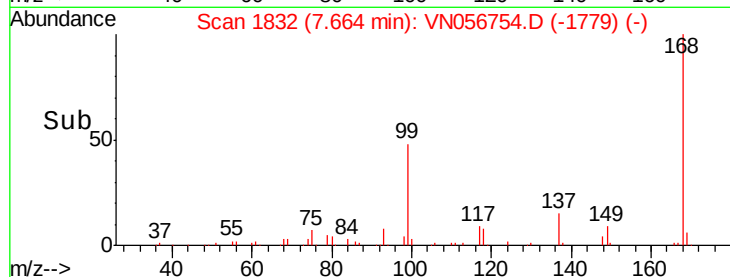
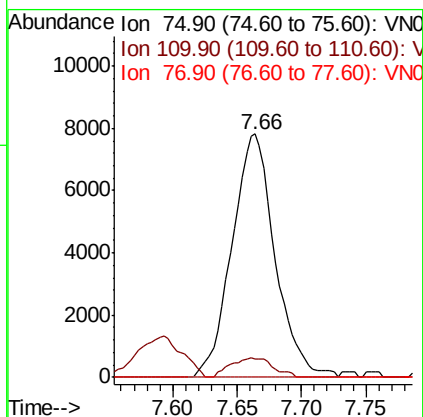
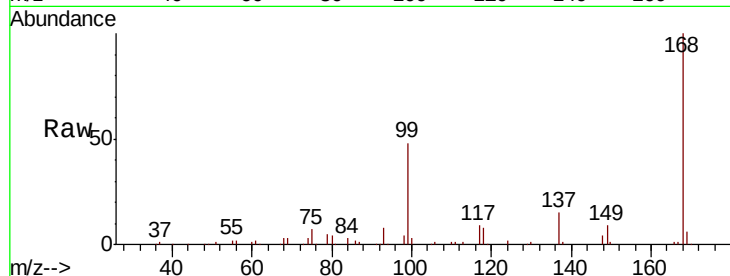




#36
 1,1-Dichloropropene
 Concen: 4.000 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056754.D
 Acq: 16 Jul 2019 9:34

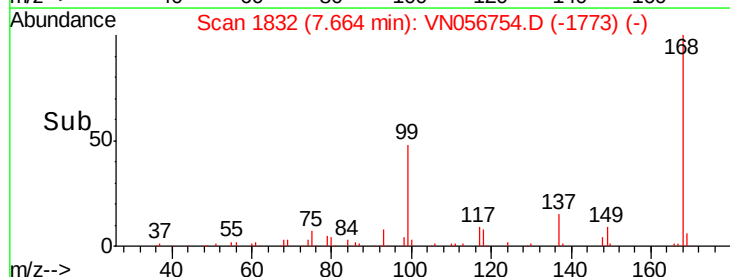
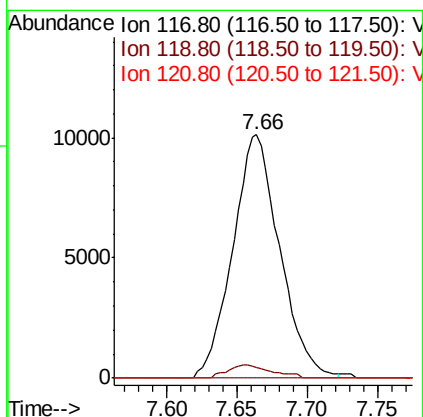
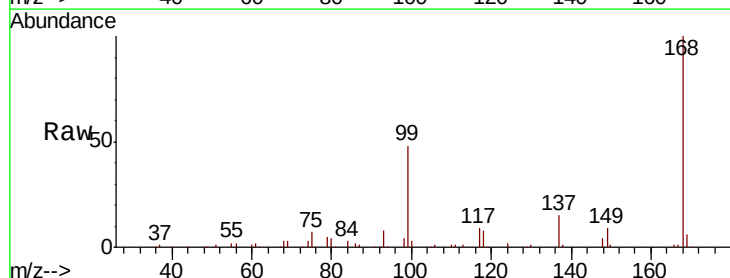
Instrument :
 MSVOA_N
 ClientSampled :
 VN0716MBL01

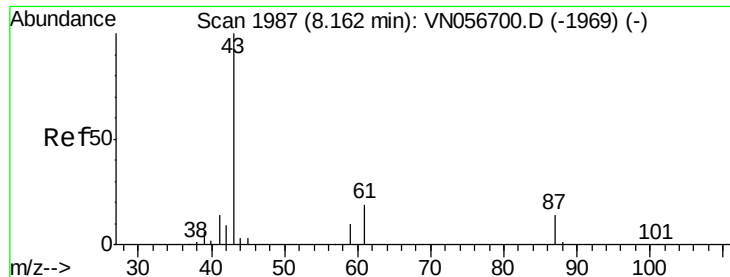
Tot Ion	75	Resp	18120
Ion Ratio	Lower	Upper	
75	100		
110	8.0	18.4	55.4#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.549 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056754.D
 Acq: 16 Jul 2019 9:34

Tgt Ion	117	Resp	23574
Ion Ratio	Lower	Upper	
117	100		
119	4.6	77.5	116.3#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 1.810 ug/l

RT: 8.23 min Scan# 2007

Delta R.T. 0.06 min

Lab File: VN056754.D

Acq: 16 Jul 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VN0716MBL01

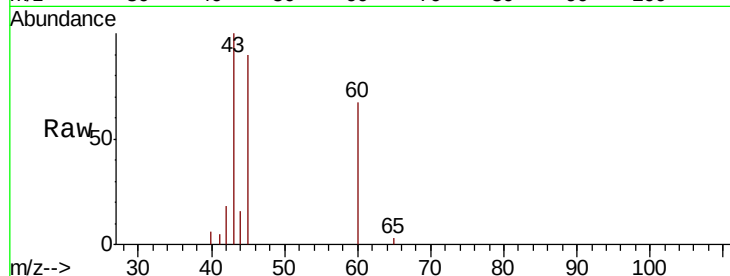
Tot Ion: 43 Resp: 12703

Ion Ratio Lower Upper

43 100

61 0.0 22.3 33.5#

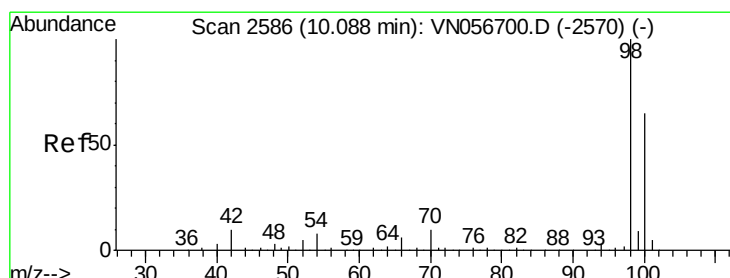
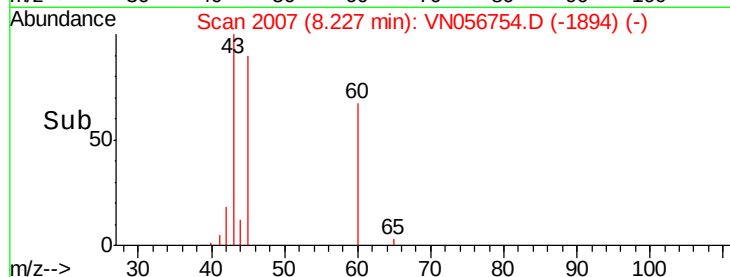
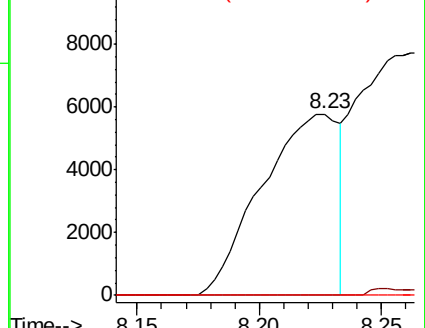
87 0.0 11.1 16.7#



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: 52.246 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056754.D

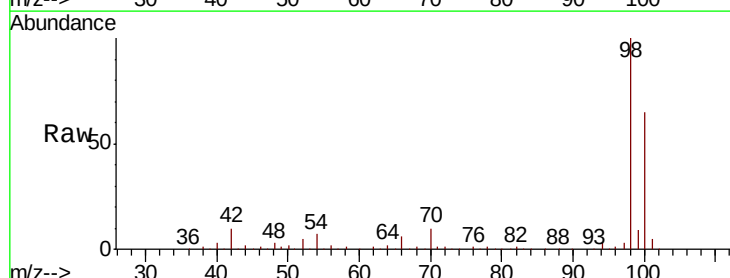
Acq: 16 Jul 2019 9:34

Tgt Ion: 98 Resp: 614706

Ion Ratio Lower Upper

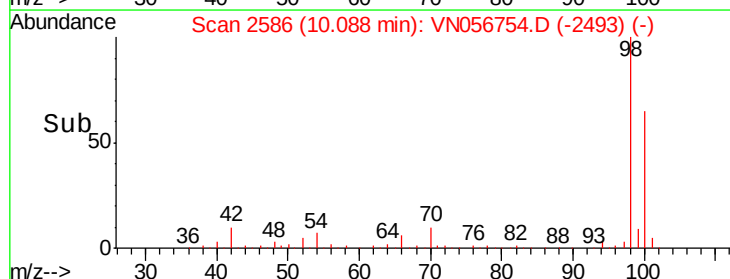
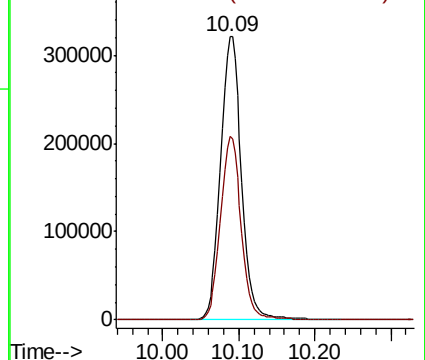
98 100

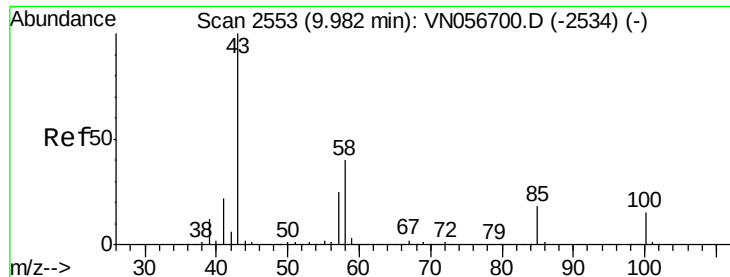
100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.203 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056754.D

Acq: 16 Jul 2019 9:34

Instrument :

MSVOA_N

ClientSampled :

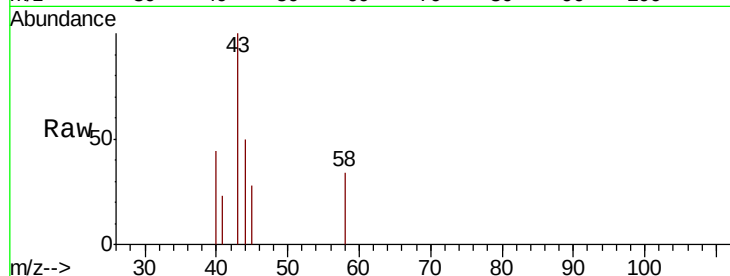
VN0716MBL01

Tot Ion: 43 Resp: 921

Ion Ratio Lower Upper

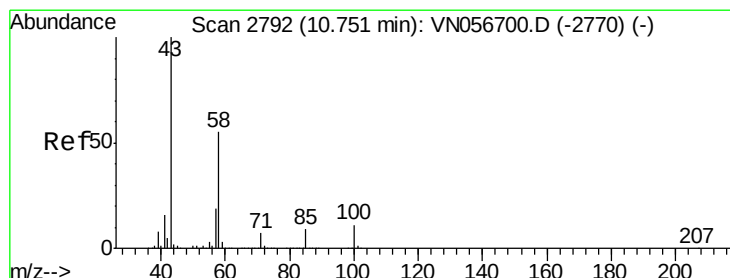
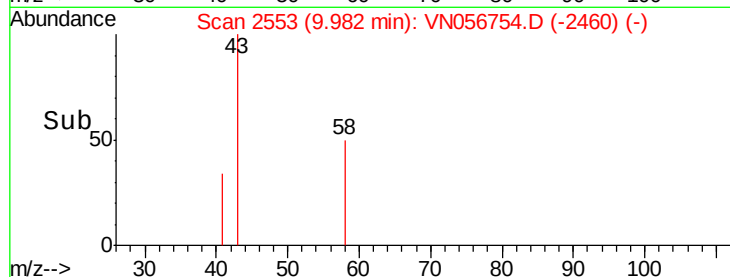
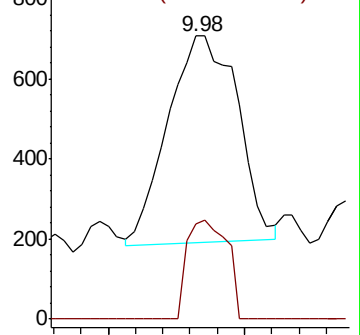
43 100

58 27.1 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 0.631 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN056754.D

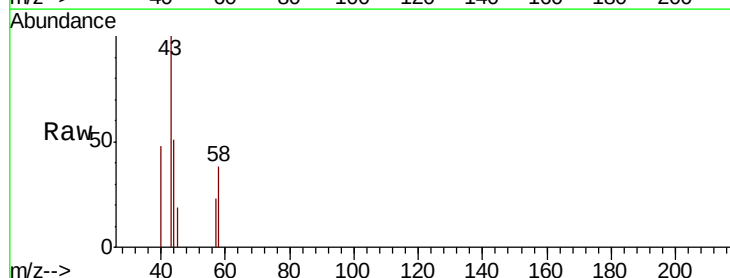
Acq: 16 Jul 2019 9:34

Tgt Ion: 43 Resp: 2059

Ion Ratio Lower Upper

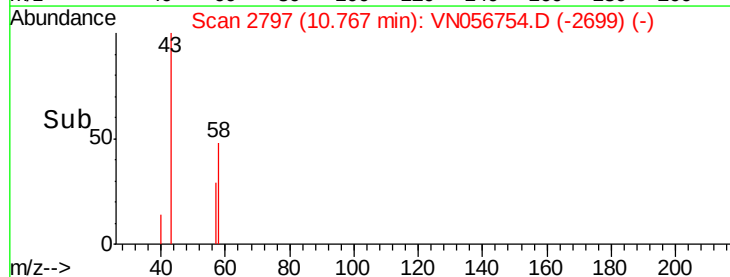
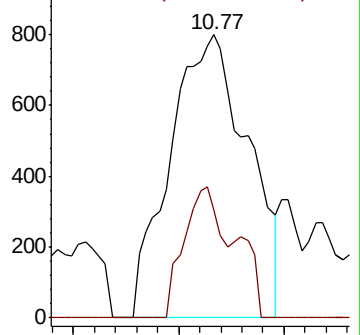
43 100

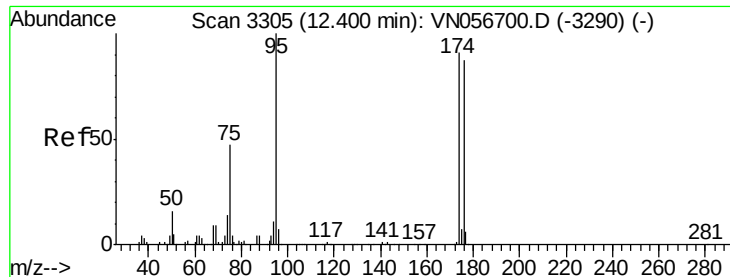
58 22.1 27.9 83.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

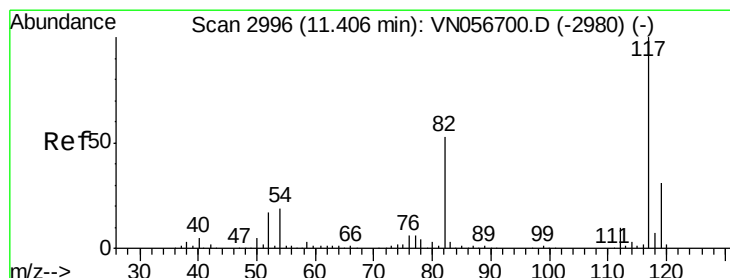
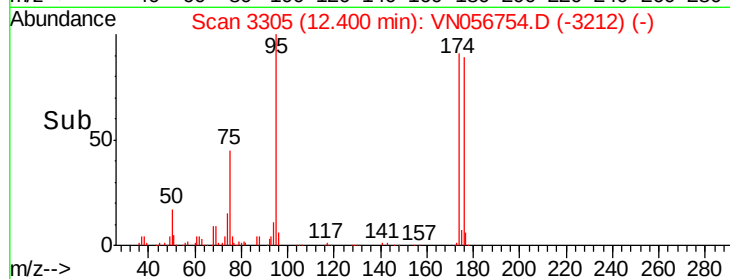
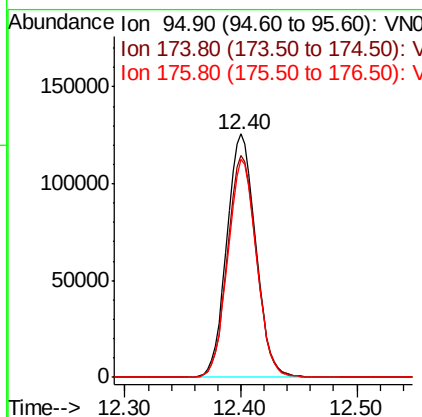
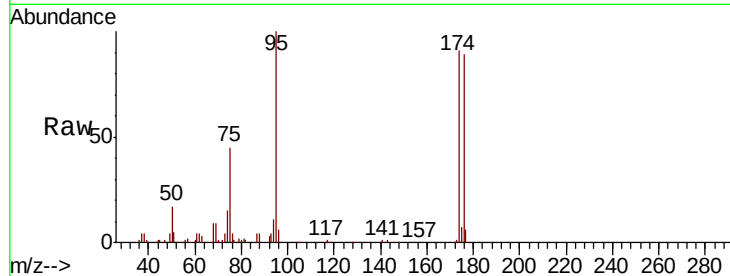




#62
4-Bromofluorobenzene
Concen: 54.362 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056754.D
Acq: 16 Jul 2019 9:34

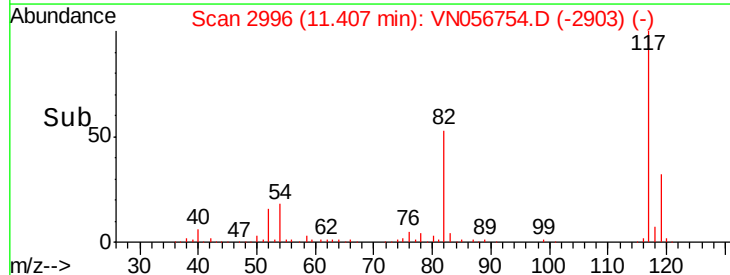
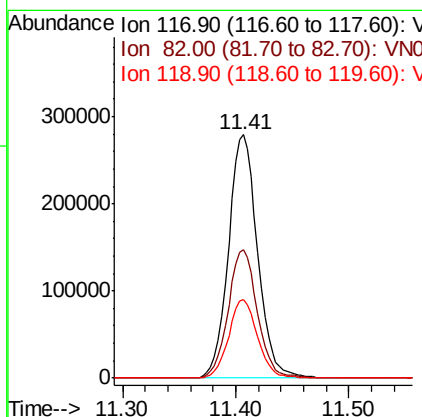
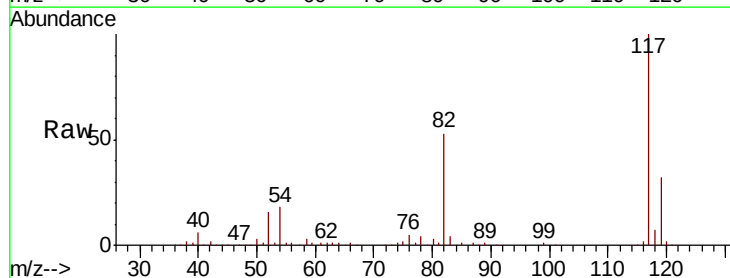
Instrument :
MSVOA_N
ClientSampleId :
VN0716MBL01

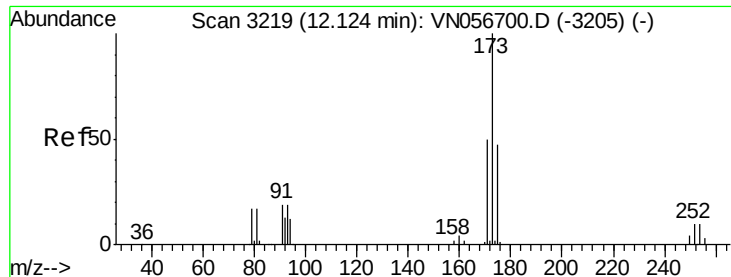
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.3	0.0	180.0
176	88.6	0.0	173.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056754.D
Acq: 16 Jul 2019 9:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.2
119	32.1	25.2	37.8





#71

Bromoform

Concen: 0.538 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN056754.D

Acq: 16 Jul 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VN0716MBL01

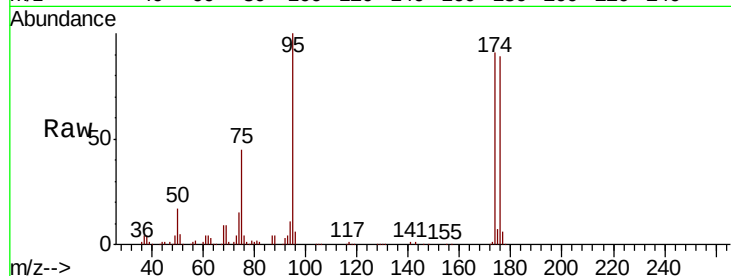
Tot Ion:173 Resp: 1538

Ion Ratio Lower Upper

173 100

175 781.3 23.8 71.4#

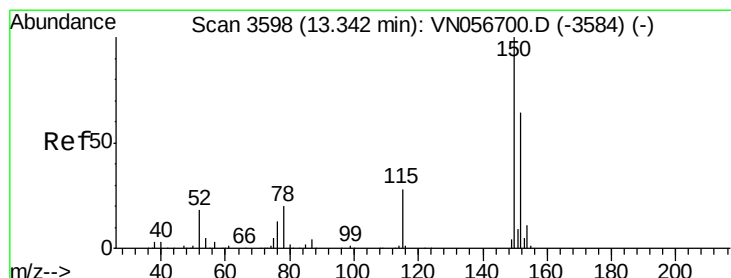
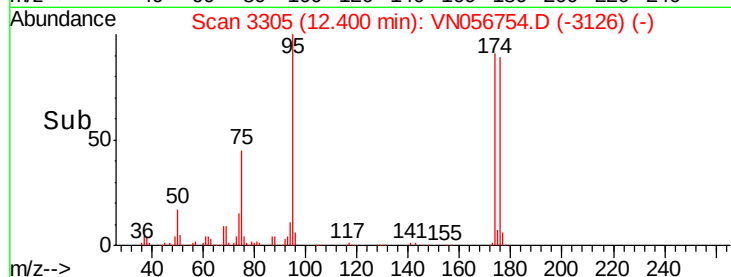
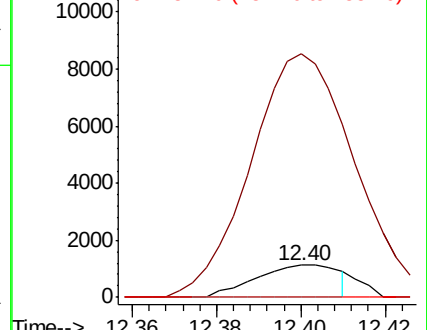
254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056754.D

Acq: 16 Jul 2019 9:34

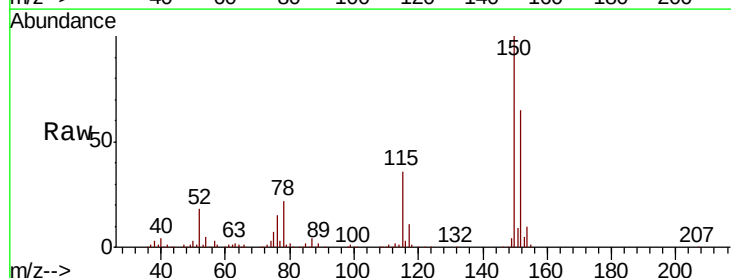
Tgt Ion:152 Resp: 183140

Ion Ratio Lower Upper

152 100

115 54.6 28.2 84.7

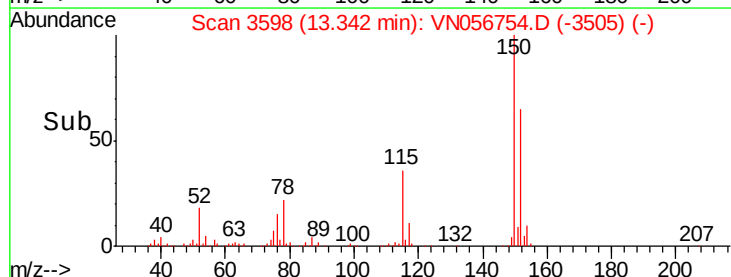
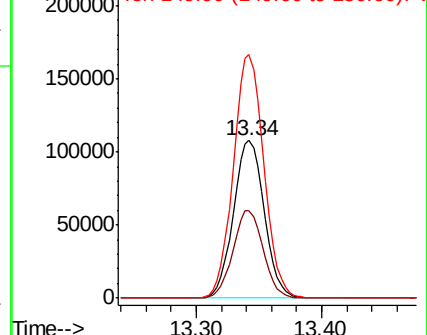
150 153.2 0.0 345.8

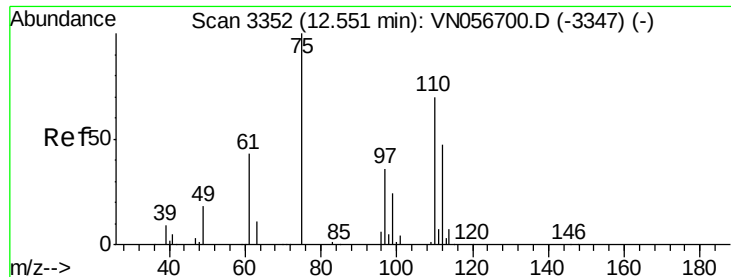


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.732 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056754.D

Acq: 16 Jul 2019 9:34

Instrument :

MSVOA_N

ClientSampled :

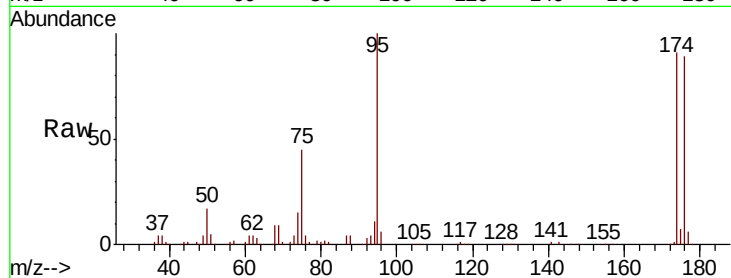
VN0716MBL01

Tot Ion: 75 Resp: 99066

Ion Ratio Lower Upper

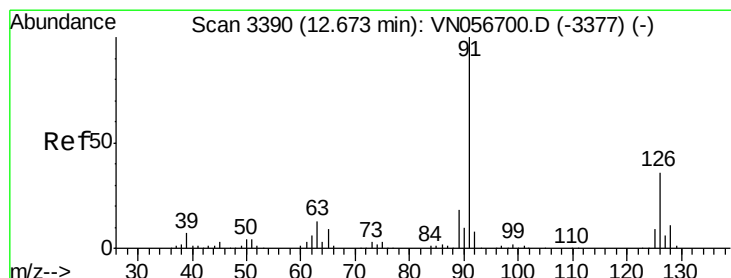
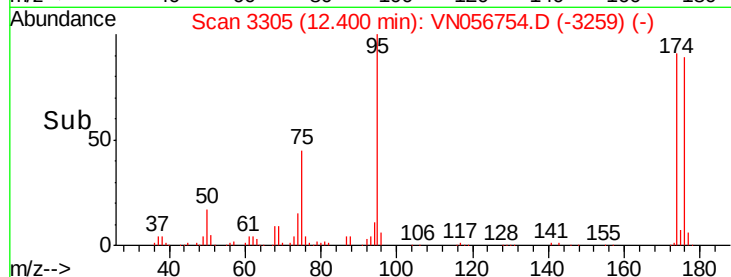
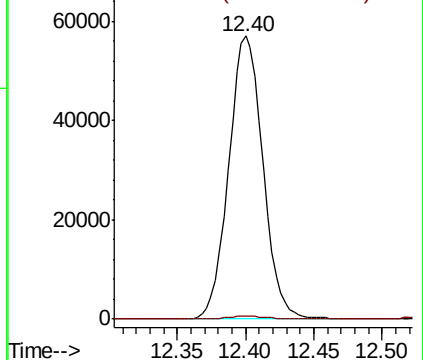
75 100

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: 12.77 min Scan# 3421

Delta R.T. 0.10 min

Lab File: VN056754.D

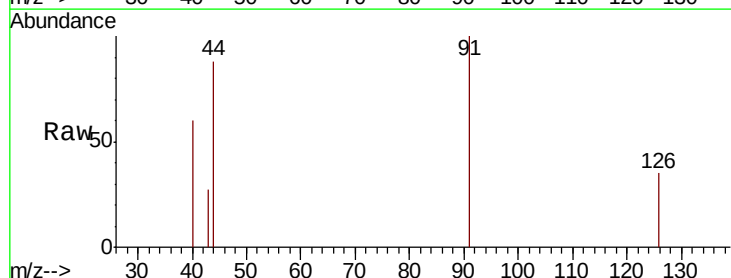
Acq: 16 Jul 2019 9:34

Tgt Ion: 91 Resp: 795

Ion Ratio Lower Upper

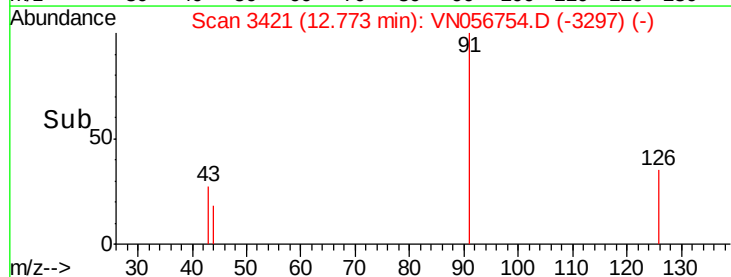
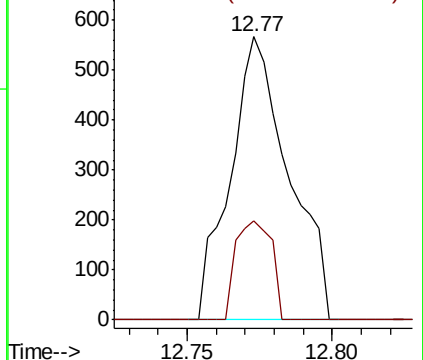
91 100

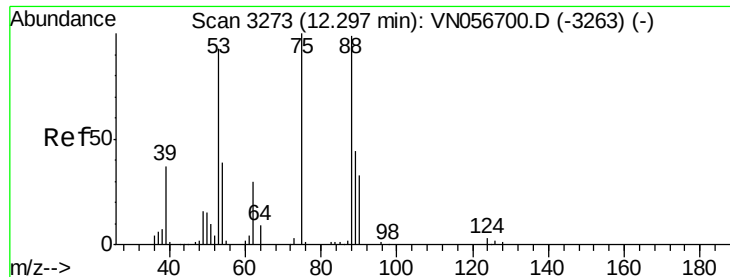
126 21.4 17.9 53.7



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: 76.381 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056754.D

Acq: 16 Jul 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VN0716MBL01

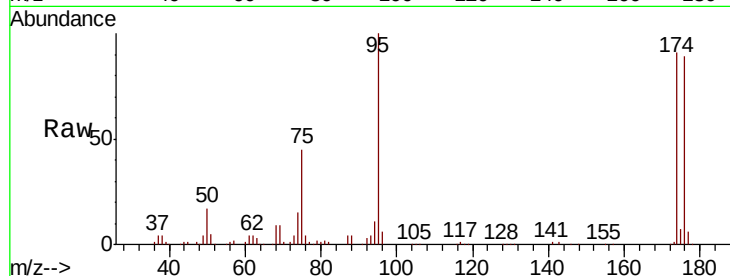
Tot Ion: 75 Resp: 99066

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

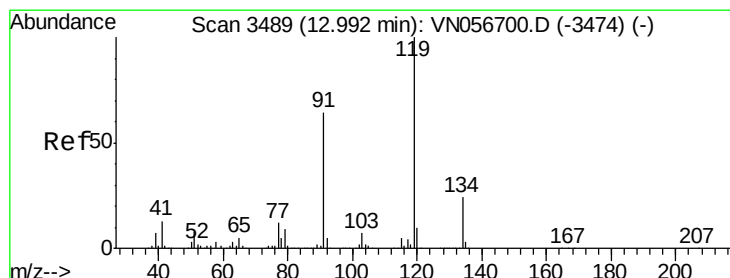
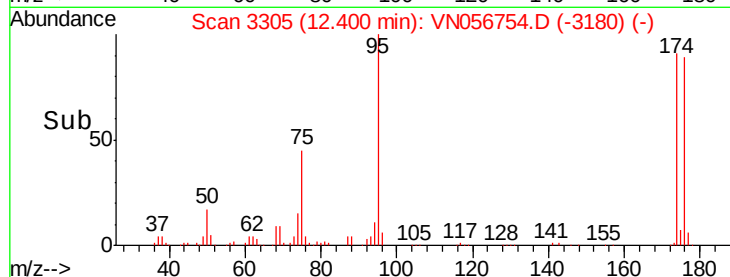
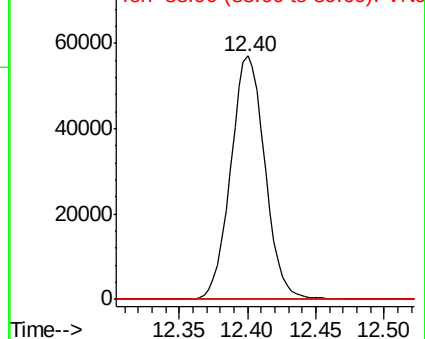
89 0.0 36.2 54.2#



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: VN056754.D

Acq: 16 Jul 2019 9:34

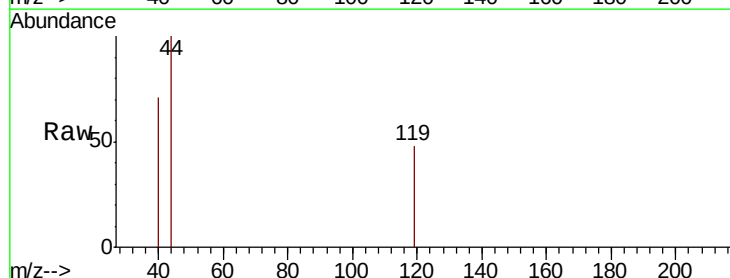
Tgt Ion: 119 Resp: 270

Ion Ratio Lower Upper

119 100

91 53.0 31.8 95.4

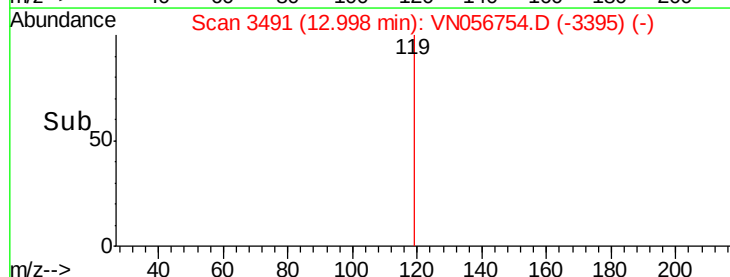
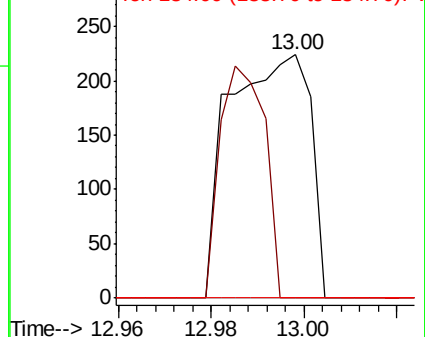
134 0.0 13.0 38.9#

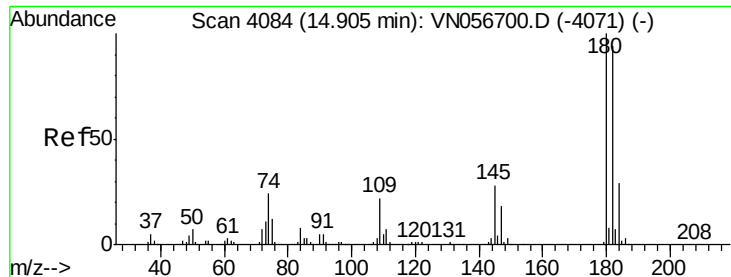


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V

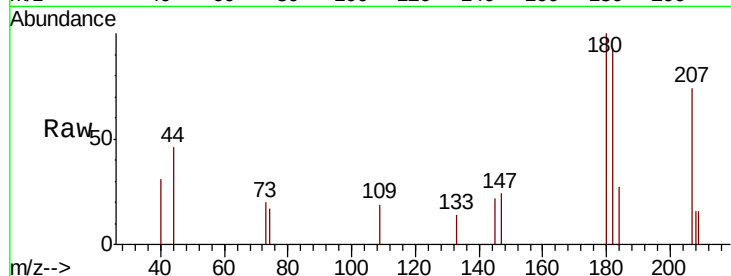




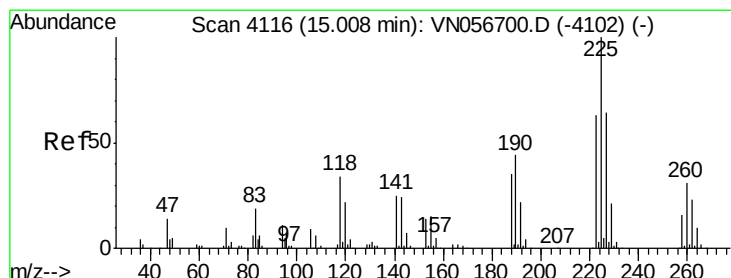
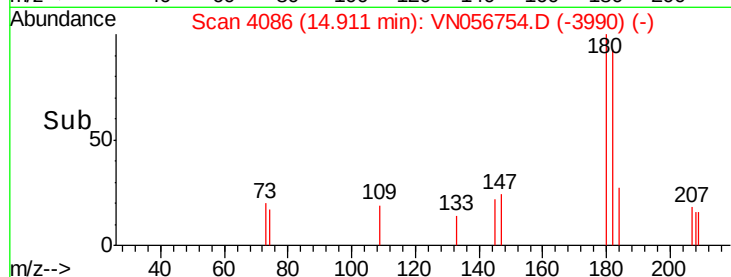
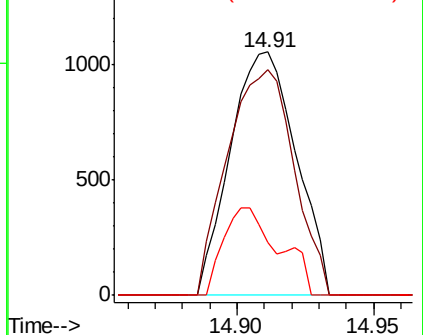
#93
 1,2,4-Trichlorobenzene
 Concen: 4.148 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN056754.D
 Acq: 16 Jul 2019 9:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0716MBL01

Tot Ion:180 Resp: 1764
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.2 141.6
 145 30.4 14.2 42.8

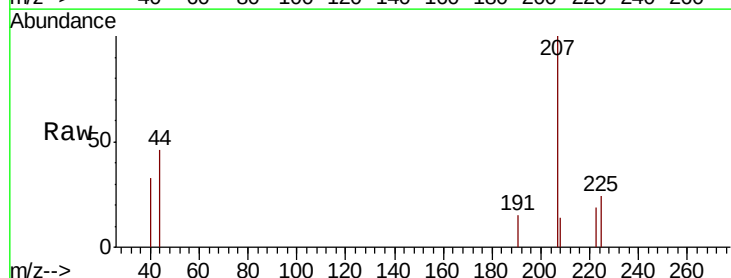


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

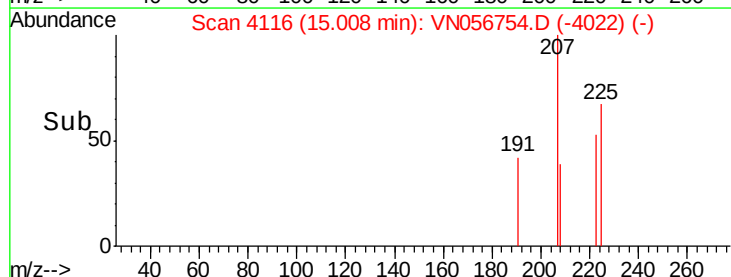
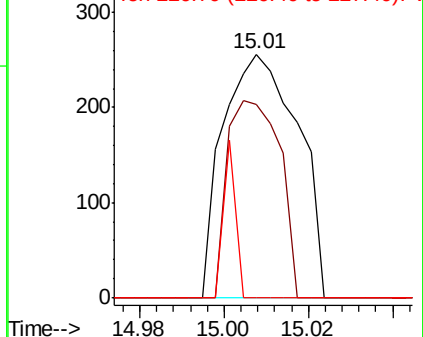


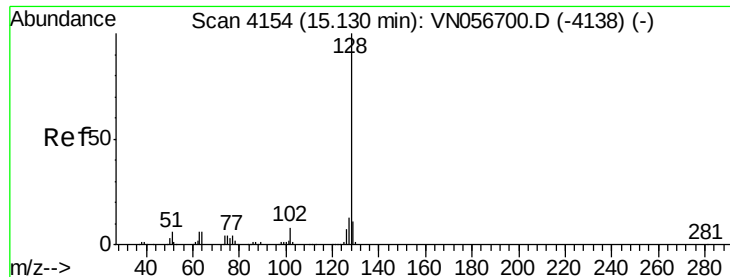
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056754.D
 Acq: 16 Jul 2019 9:34

Tgt Ion:225 Resp: 314
 Ion Ratio Lower Upper
 225 100
 223 57.0 31.5 94.5
 227 10.2 32.0 96.2#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.052 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056754.D

Acq: 16 Jul 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VN0716MBL01

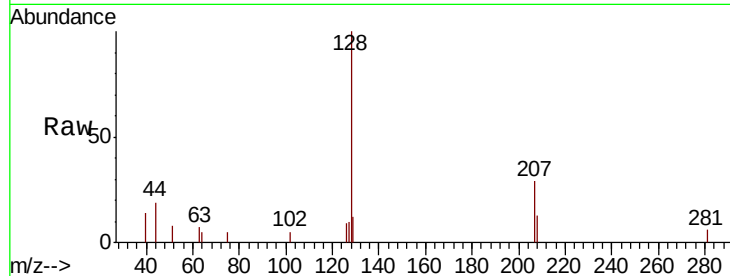
Tot Ion:128 Resp: 5680

Ion Ratio Lower Upper

128 100

127 10.0 10.3 15.5#

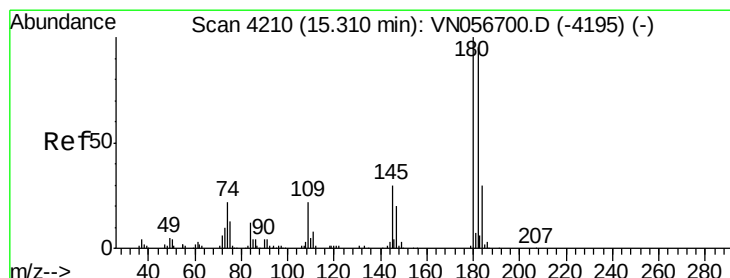
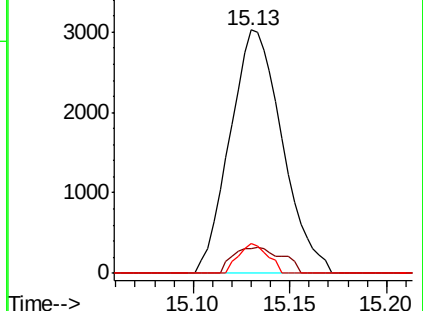
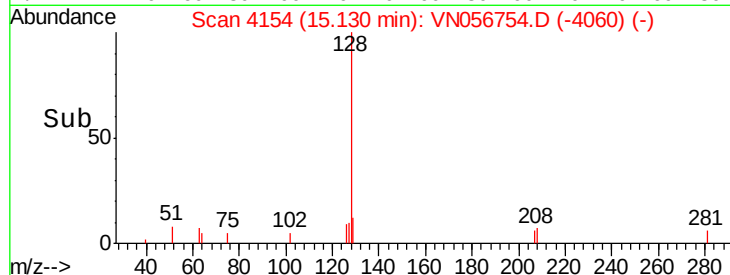
129 6.8 8.7 13.1#



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: 4.129 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056754.D

Acq: 16 Jul 2019 9:34

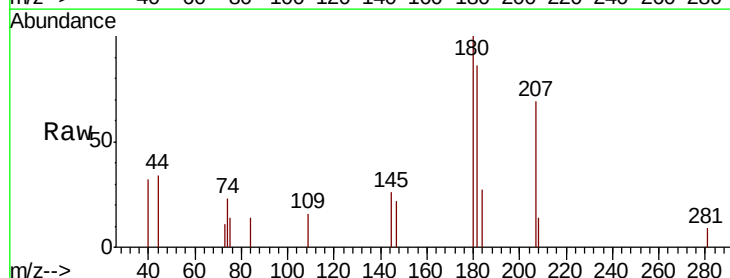
Tgt Ion:180 Resp: 3065

Ion Ratio Lower Upper

180 100

182 82.5 47.1 141.3

145 21.4 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

