

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056757.D
 Acq On : 16 Jul 2019 10:43
 Operator : JC/SP
 Sample : K3814-01RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LA119SW005-SW-190712

Quant Time: Jul 17 01:06:55 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	275488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	482267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	497881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179338	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	156021	51.20	ug/l	0.00
Spiked Amount						
			Recovery	=	102.40%	
35) Dibromofluoromethane	7.59	113	144273	48.07	ug/l	0.00
Spiked Amount						
			Recovery	=	96.14%	
50) Toluene-d8	10.09	98	595590	51.38	ug/l	0.00
Spiked Amount						
			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.40	95	215610	55.16	ug/l	0.00
Spiked Amount						
			Recovery	=	110.32%	

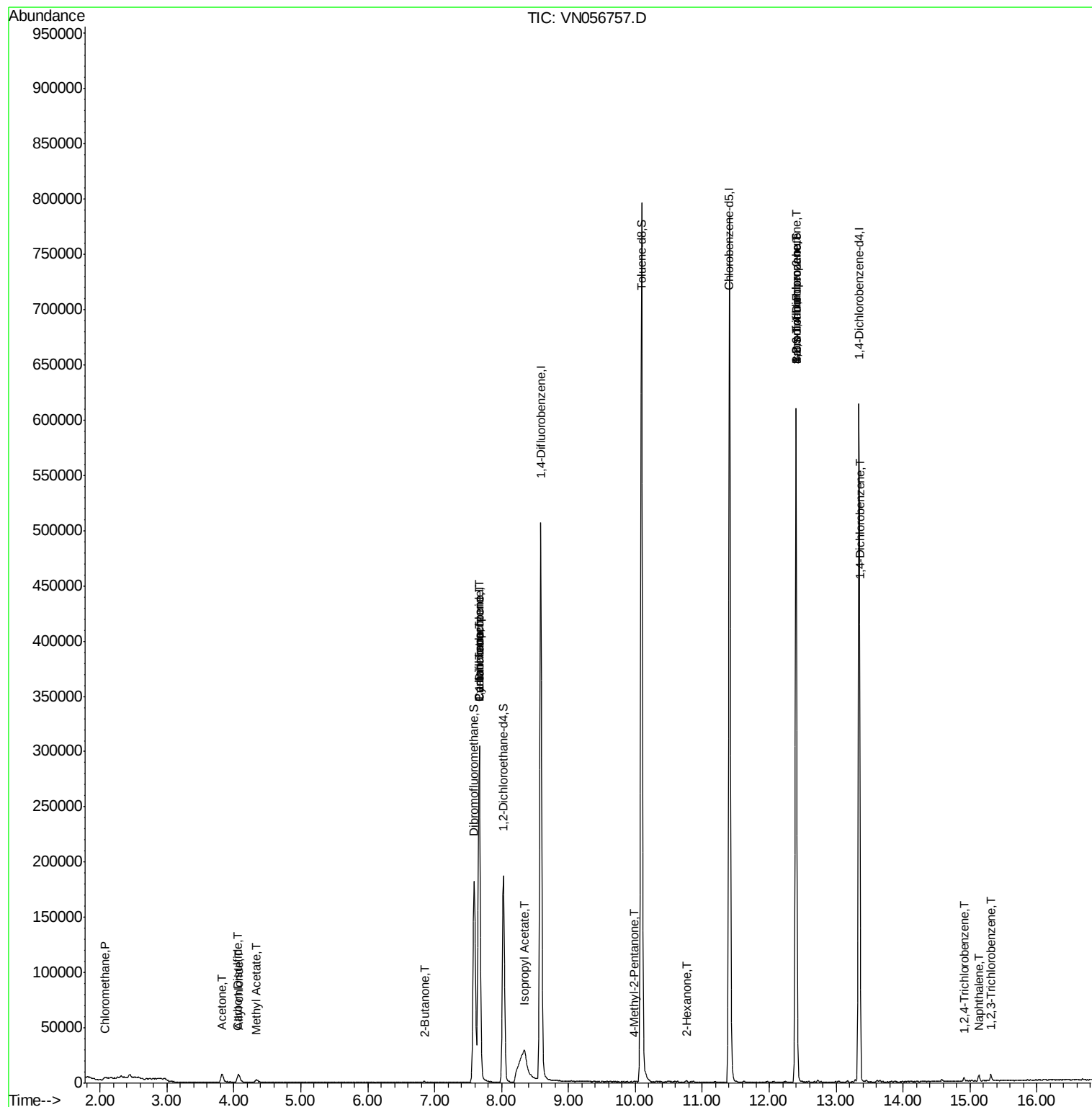
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1369	0.394	ug/l	91
14) Allyl chloride	4.07	41	1172	0.262	ug/l #	40
16) Acetone	3.82	43	13743	9.787	ug/l	98
17) Carbon Disulfide	4.05	76	1457	0.213	ug/l #	75
18) Methyl Acetate	4.34	43	5356	0.739	ug/l #	89
25) 2-Butanone	6.86	43	585	0.285	ug/l #	48
31) Cyclohexane	7.66	56	4503	0.924	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17651	3.955	ug/l #	48
38) Carbon Tetrachloride	7.67	117	23319	5.572	ug/l #	16
43) Isopropyl Acetate	8.33	43	51632	7.467	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	1159	0.259	ug/l #	35
59) 2-Hexanone	10.76	43	2013	0.626	ug/l #	60
71) Bromoform	12.40	173	1719	0.603	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	99268	25.308	ug/l #	100
79) 2-Chlorotoluene	12.67	91	577	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	99268	78.159	ug/l #	13
83) tert-Butylbenzene	12.99	119	241	Below Cal	#	32
88) 1,4-Dichlorobenzene	13.36	146	1401	0.232	ug/l #	71
93) 1,2,4-Trichlorobenzene	14.91	180	1580	4.109	ug/l	91
94) Hexachlorobutadiene	15.01	225	302	Below Cal	#	18
95) Naphthalene	15.13	128	5470	5.043	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	2190	3.911	ug/l	88

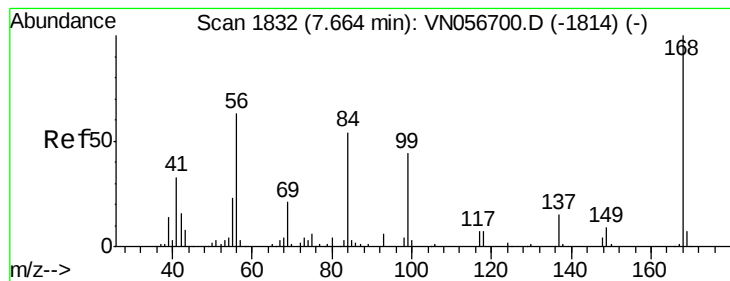
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056757.D

Acq: 16 Jul 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

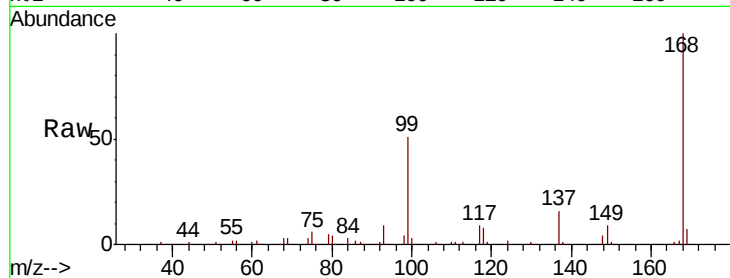
LA119SW005-SW-190712

Tot Ion:168 Resp: 275488

Ion Ratio Lower Upper

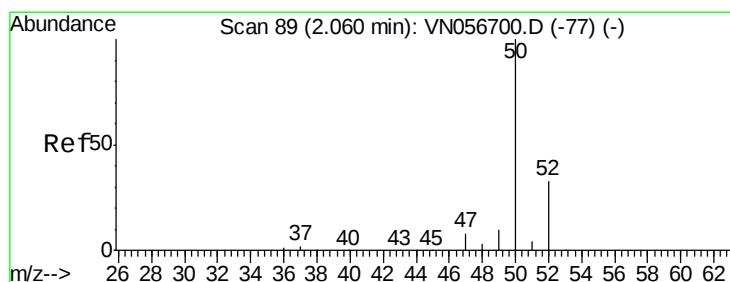
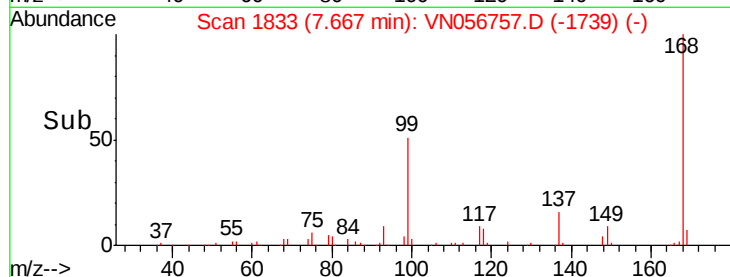
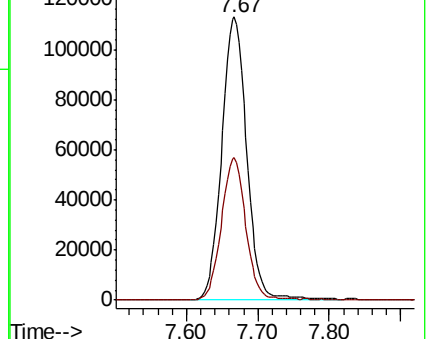
168 100

99 50.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.394 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056757.D

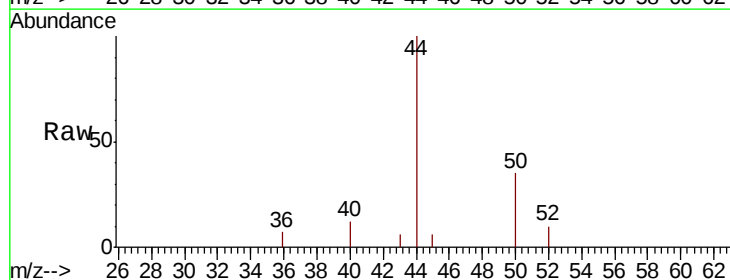
Acq: 16 Jul 2019 10:43

Tgt Ion: 50 Resp: 1369

Ion Ratio Lower Upper

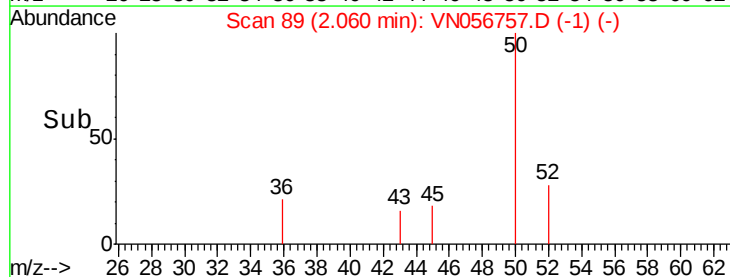
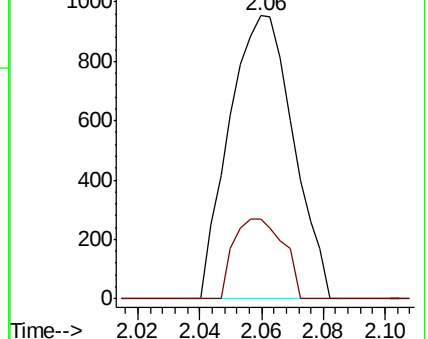
50 100

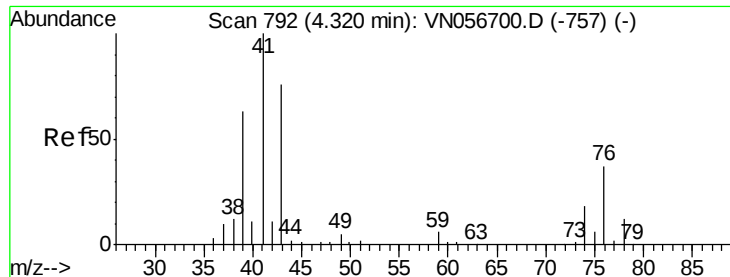
52 28.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

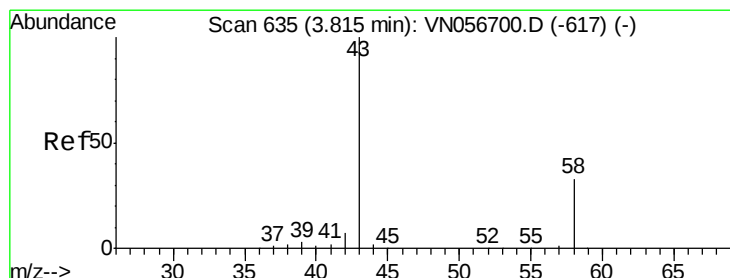
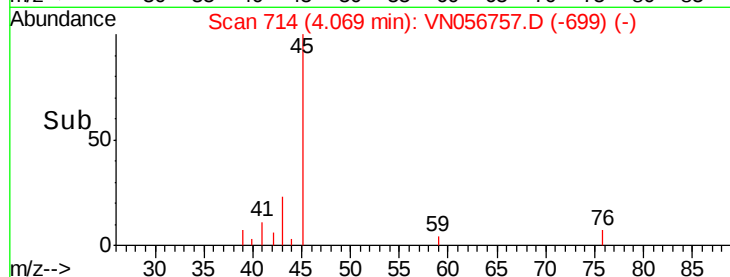
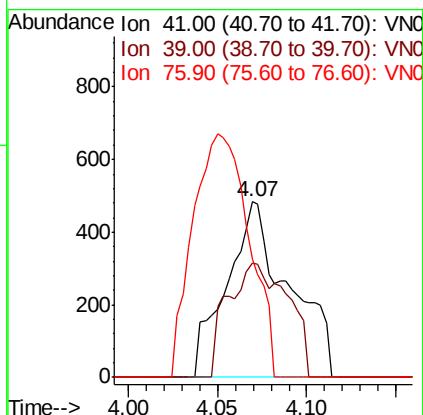
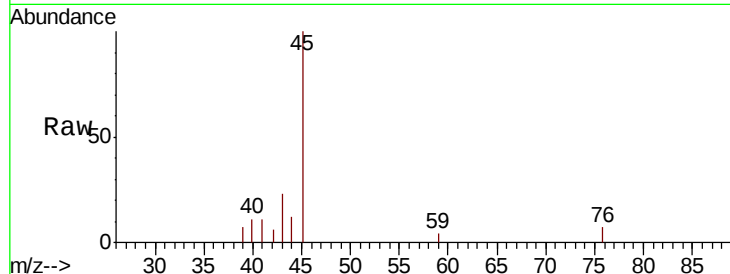




#14
Allvl chloride
Concen: 0.262 ug/l
RT: 4.07 min Scan# 714
Delta R.T. -0.25 min
Lab File: VN056757.D
Acq: 16 Jul 2019 10:43

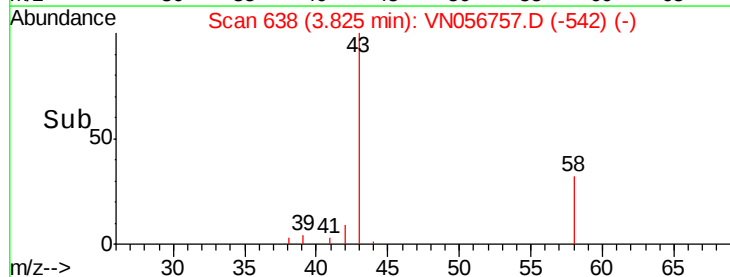
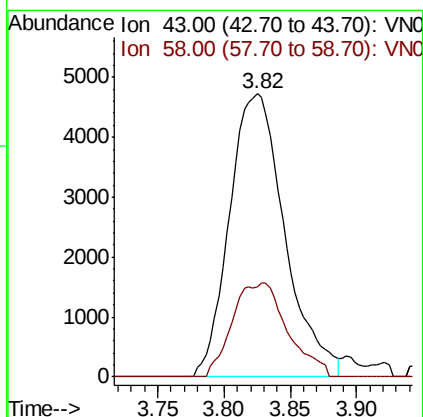
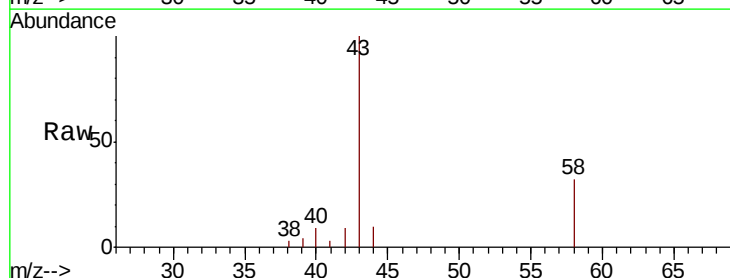
Instrument :
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ClientSampleId :
LA119SW005-SW-190712

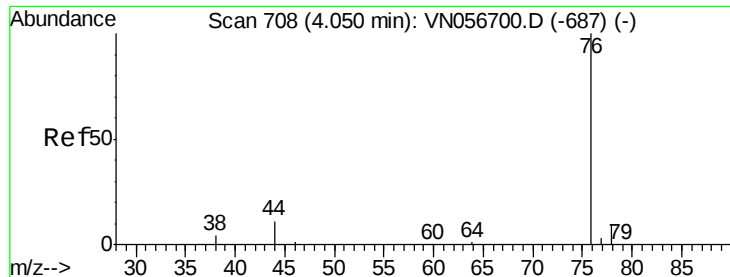
Tot Ion: 41 Resp: 1172
Ion Ratio Lower Upper
41 100
39 62.9 46.9 70.3
76 121.5 26.5 39.7#



#16
Acetone
Concen: 9.787 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN056757.D
Acq: 16 Jul 2019 10:43

Tgt Ion: 43 Resp: 13743
Ion Ratio Lower Upper
43 100
58 32.0 26.7 40.1





#17

Carbon Disulfide

Concen: 0.213 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056757.D

Acq: 16 Jul 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

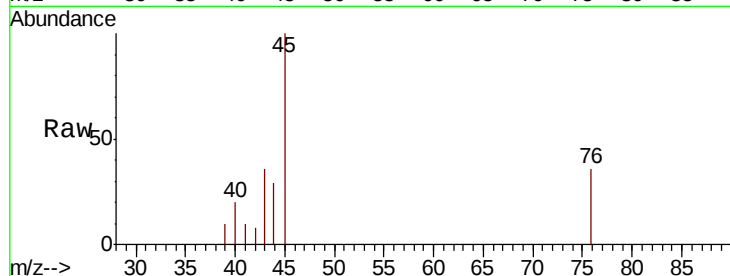
LA119SW005-SW-190712

Tot Ion: 76 Resp: 1457

Ion Ratio Lower Upper

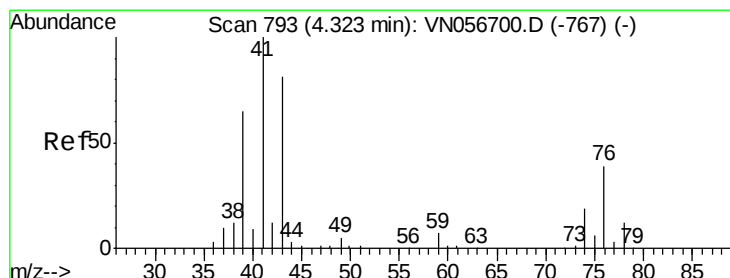
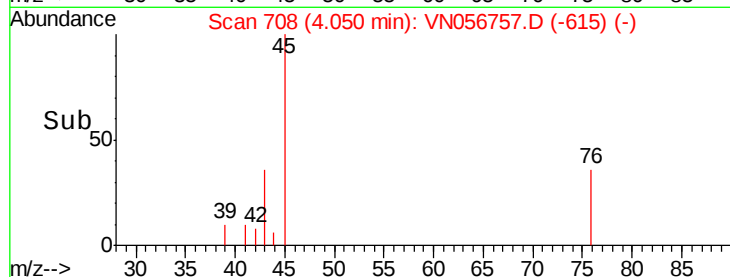
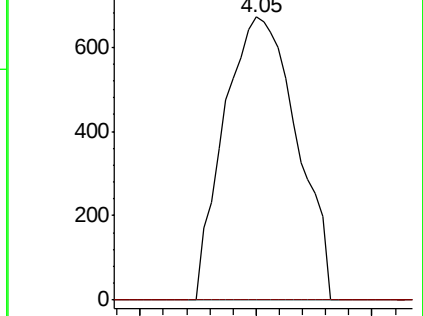
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.739 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.02 min

Lab File: VN056757.D

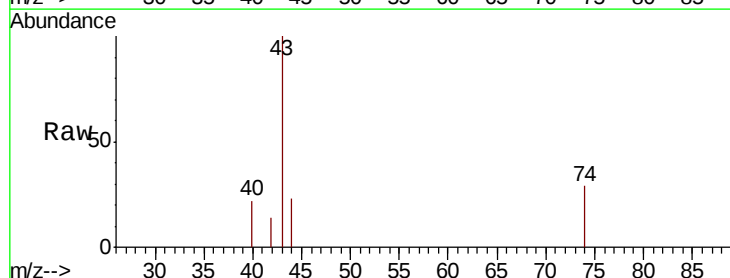
Acq: 16 Jul 2019 10:43

Tgt Ion: 43 Resp: 5356

Ion Ratio Lower Upper

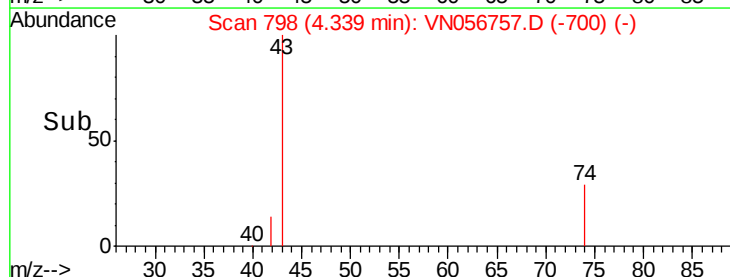
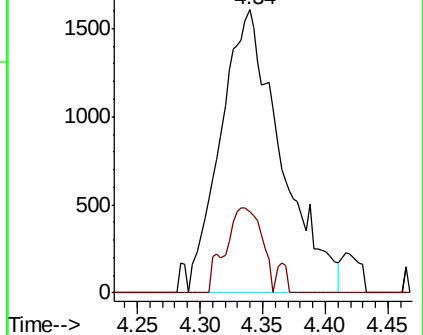
43 100

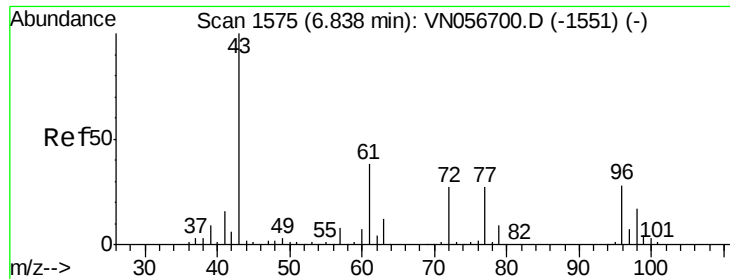
74 18.2 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

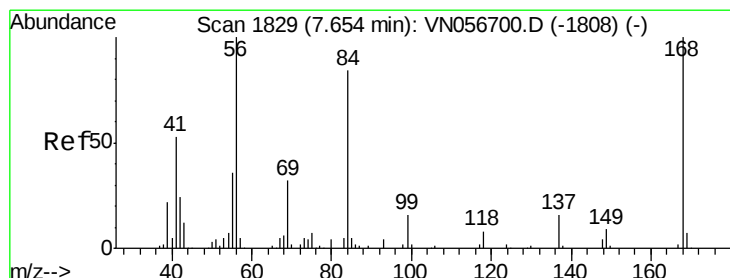
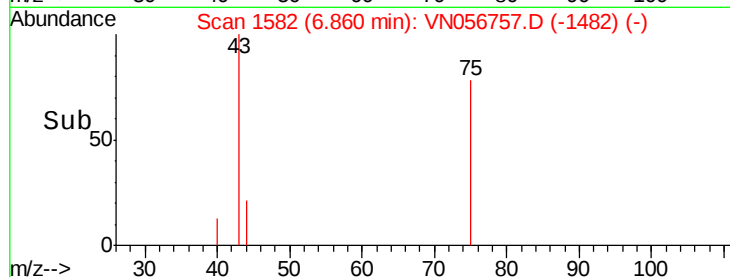
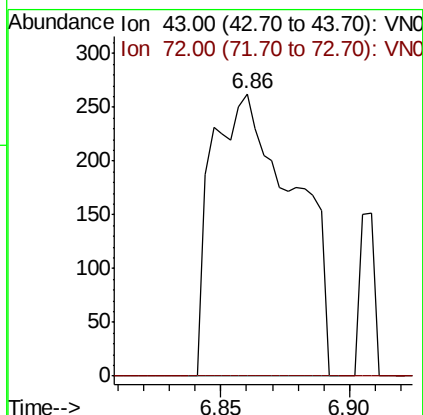
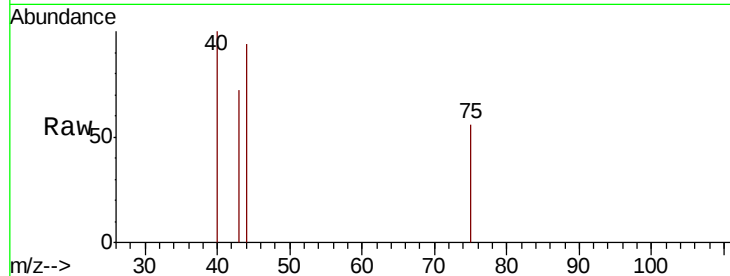




#25
2-Butanone
Concen: 0.285 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VN056757.D
Acq: 16 Jul 2019 10:43

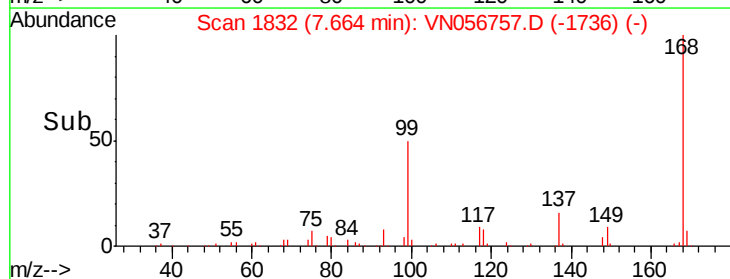
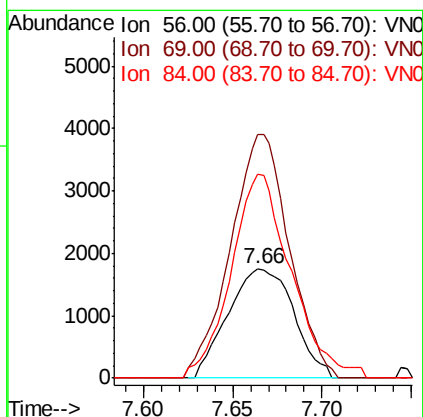
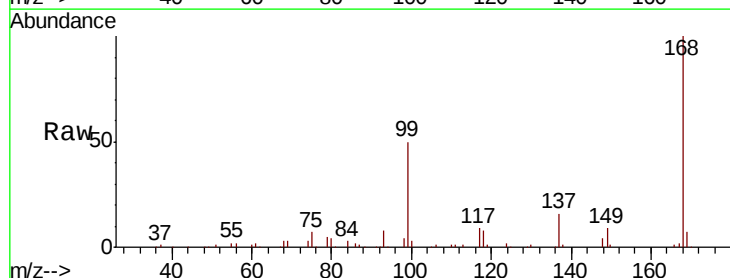
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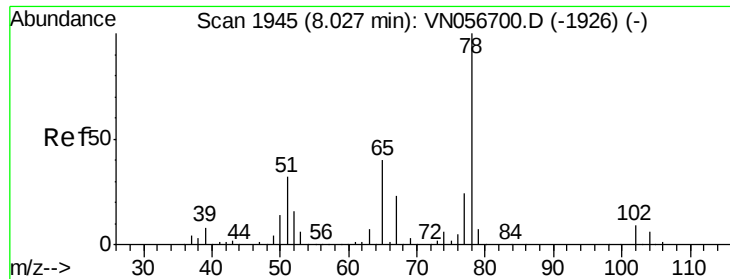
Tot Ion: 43 Resp: 585
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#31
Cyclohexane
Concen: 0.924 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056757.D
Acq: 16 Jul 2019 10:43

Tgt Ion: 56 Resp: 4503
Ion Ratio Lower Upper
56 100
69 222.8 25.8 38.8#
84 177.3 67.4 101.0#

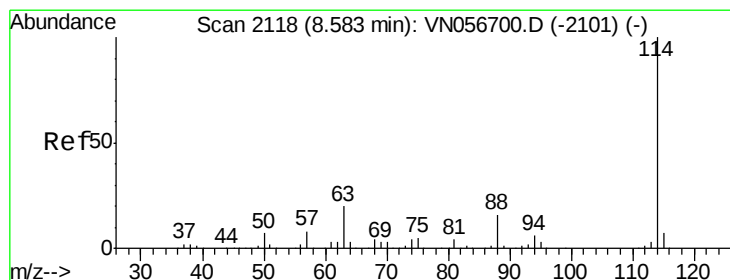
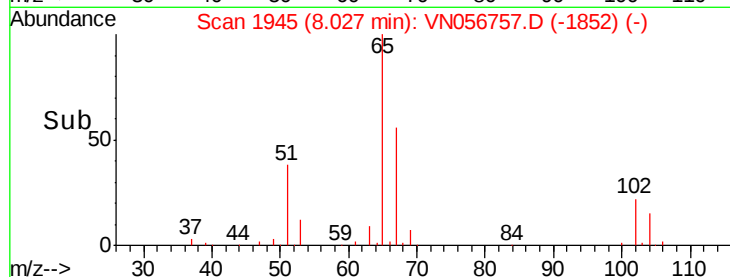
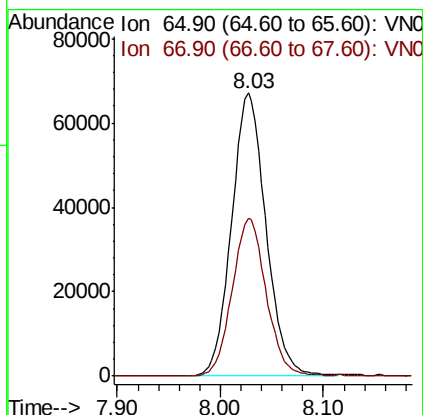
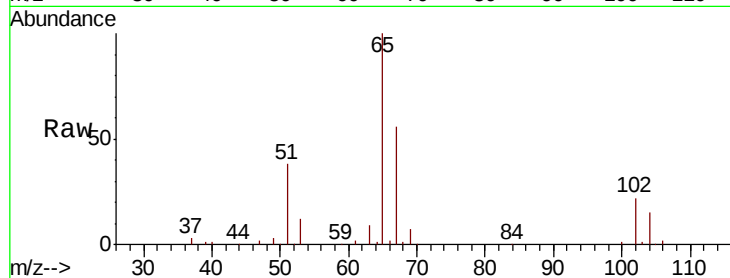




#33
 1,2-Dichloroethane-d4
 Concen: 51.200 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056757.D
 Acq: 16 Jul 2019 10:43

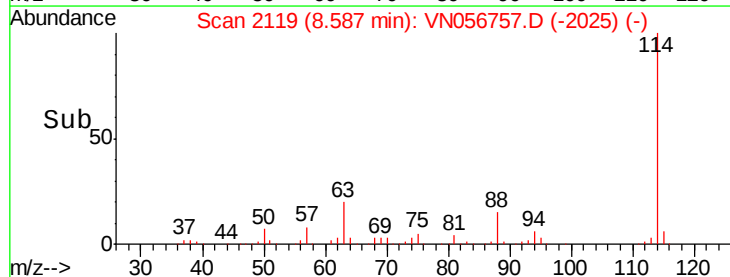
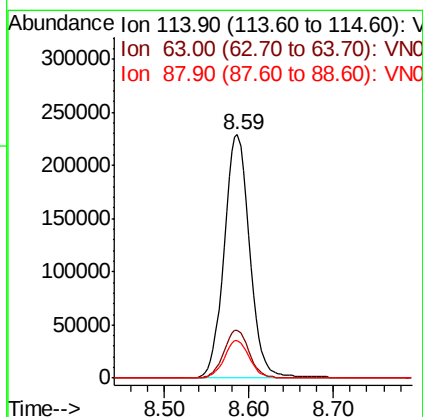
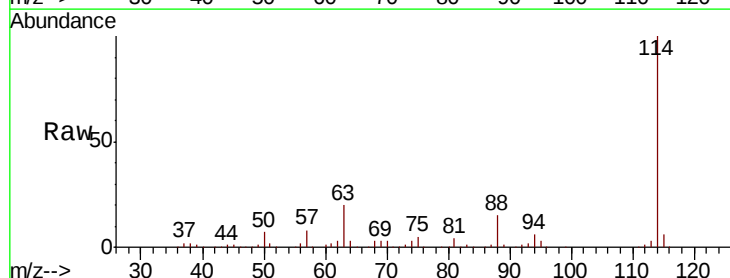
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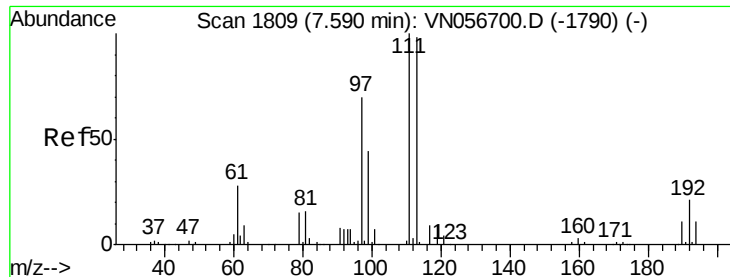
Tot Ion: 65 Resp: 156021
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056757.D
 Acq: 16 Jul 2019 10:43

Tgt Ion: 114 Resp: 482267
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 15.3 0.0 31.2

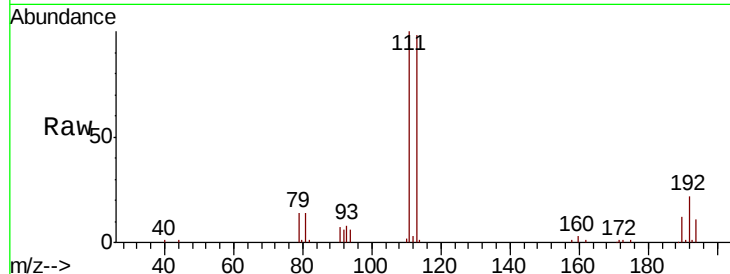




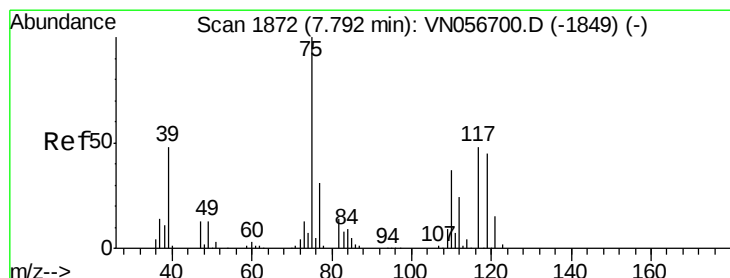
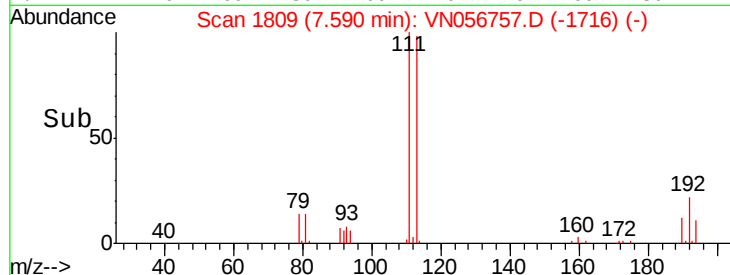
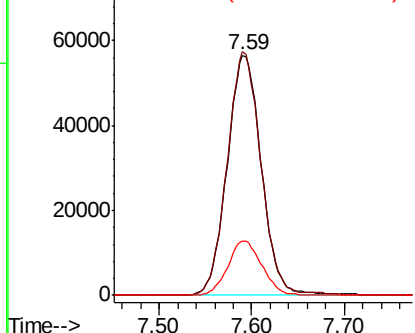
#35
 Dibromofluoromethane
 Concen: 48.071 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056757.D
 Acq: 16 Jul 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LA119SW005-SW-190712

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.8	122.6
192	22.6	17.5	26.3

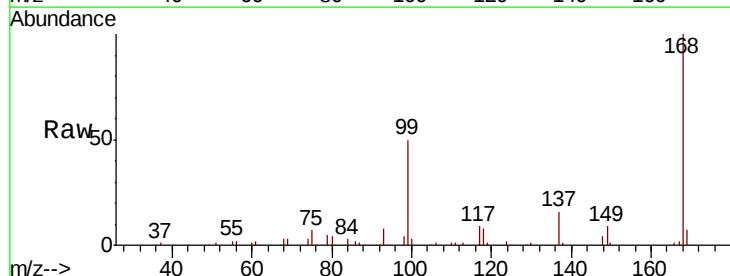


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

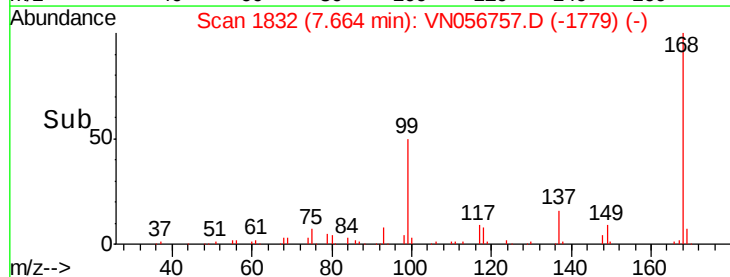
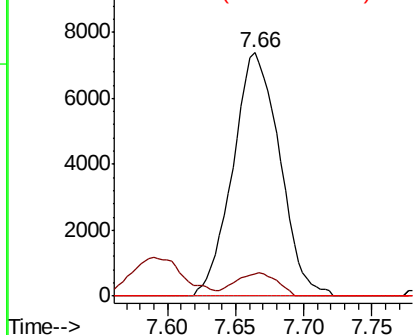


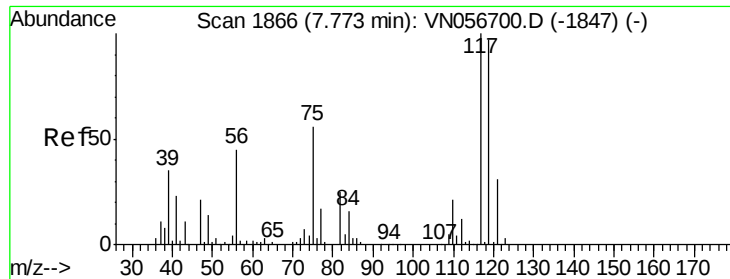
#36
 1,1-Dichloropropene
 Concen: 3.955 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056757.D
 Acq: 16 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.4	55.4#
77	0.0	24.6	36.8#



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





#38

Carbon Tetrachloride

Concen: 5.572 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056757.D

Acq: 16 Jul 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

LA119SW005-SW-190712

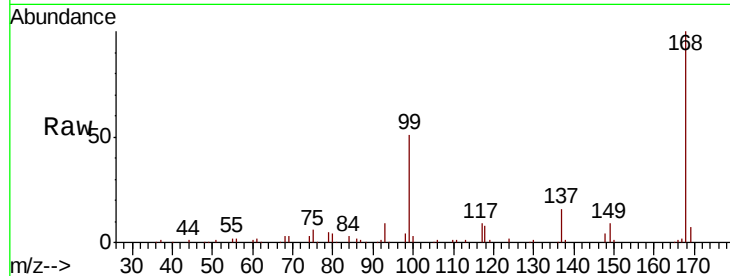
Tot Ion:117 Resp: 23319

Ion Ratio Lower Upper

117 100

119 6.1 77.5 116.3#

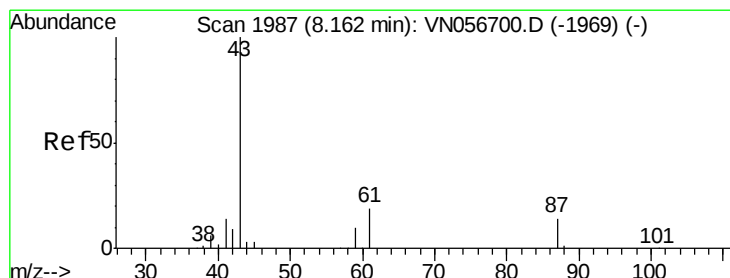
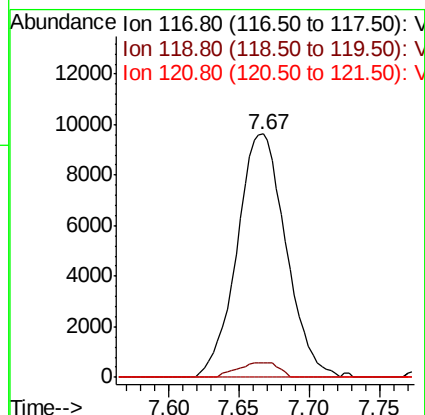
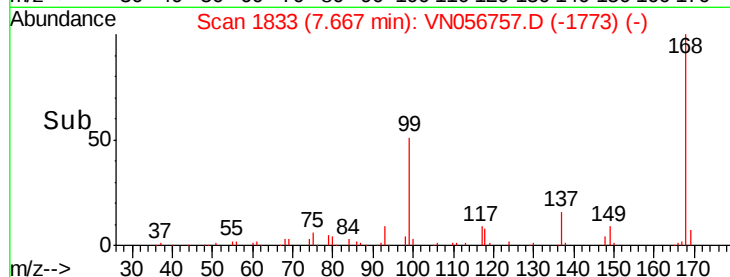
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 7.467 ug/l

RT: 8.33 min Scan# 2038

Delta R.T. 0.16 min

Lab File: VN056757.D

Acq: 16 Jul 2019 10:43

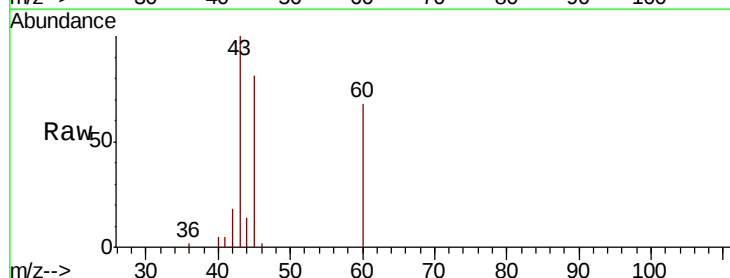
Tgt Ion: 43 Resp: 51632

Ion Ratio Lower Upper

43 100

61 0.0 22.3 33.5#

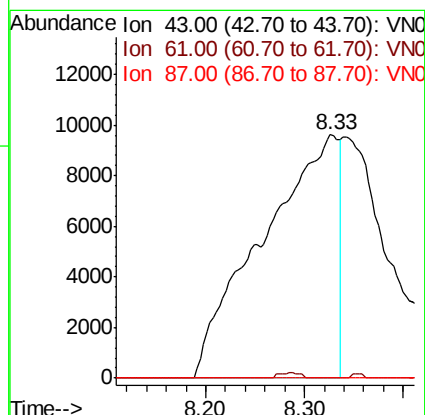
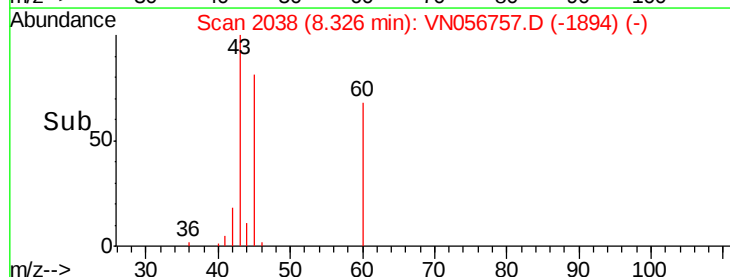
87 0.0 11.1 16.7#

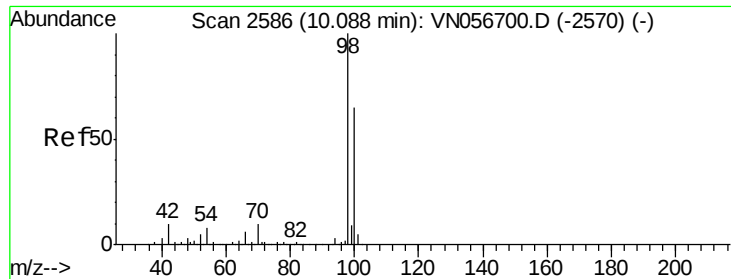


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 51.382 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056757.D

Acq: 16 Jul 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

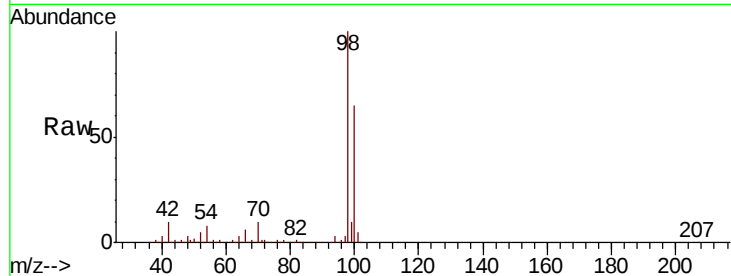
LA119SW005-SW-190712

Tot Ion: 98 Resp: 595590

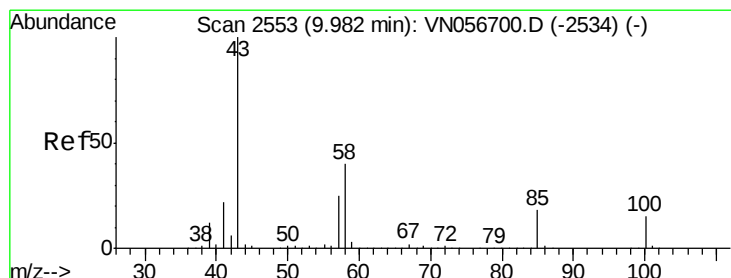
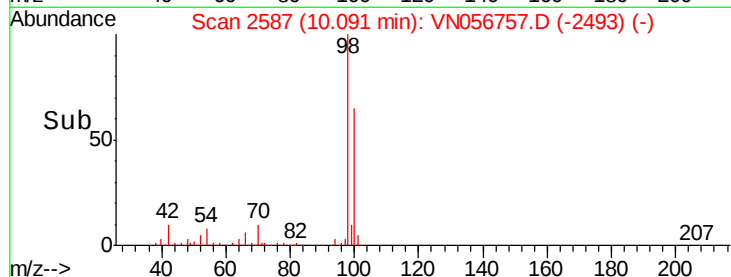
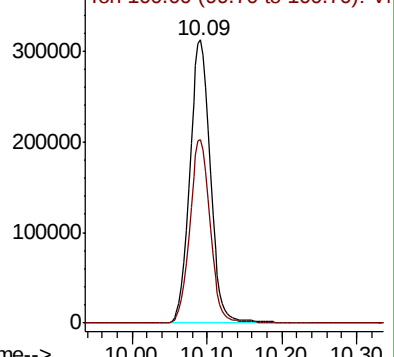
Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056700.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.259 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN056757.D

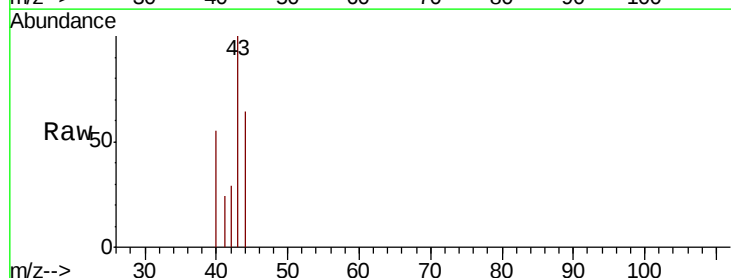
Acq: 16 Jul 2019 10:43

Tgt Ion: 43 Resp: 1159

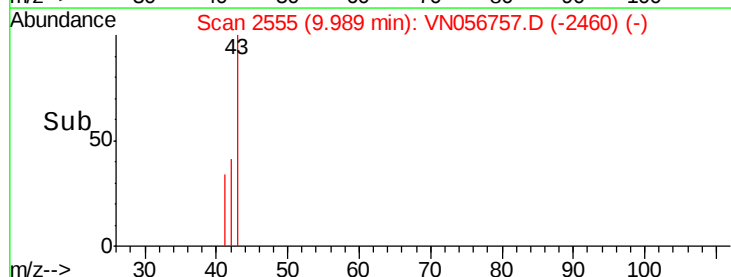
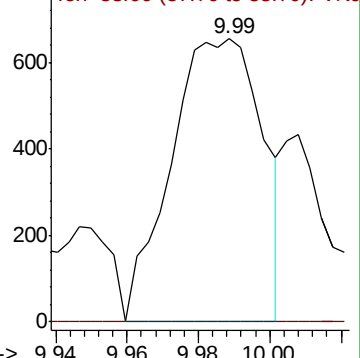
Ion Ratio Lower Upper

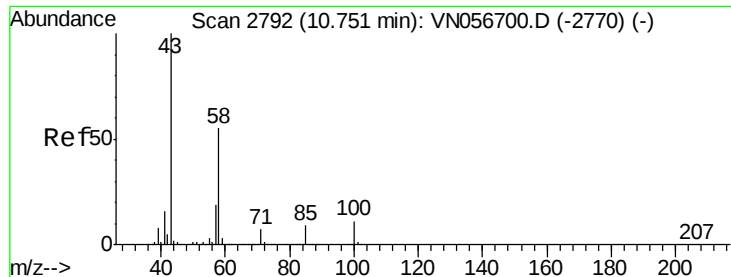
43 100

58 0.0 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-2534) (-)

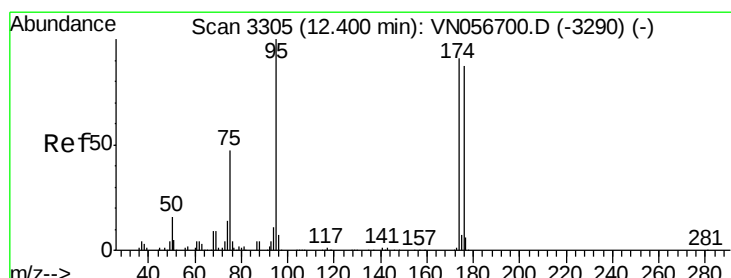
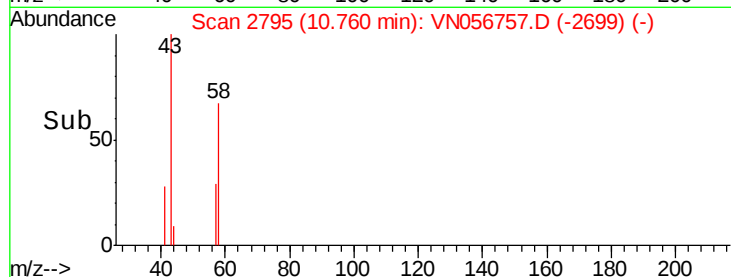
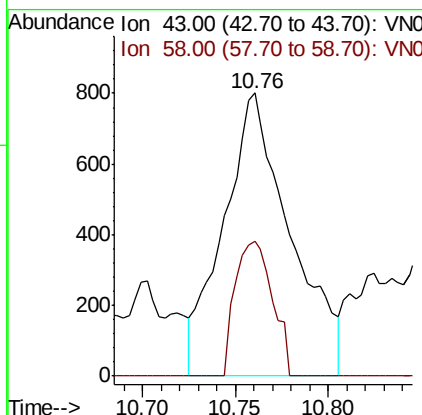
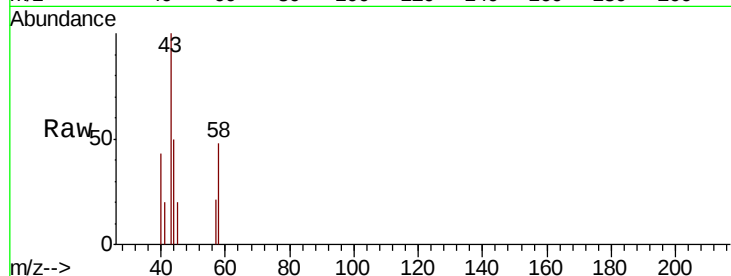




#59
2-Hexanone
Concen: 0.626 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN056757.D
Acq: 16 Jul 2019 10:43

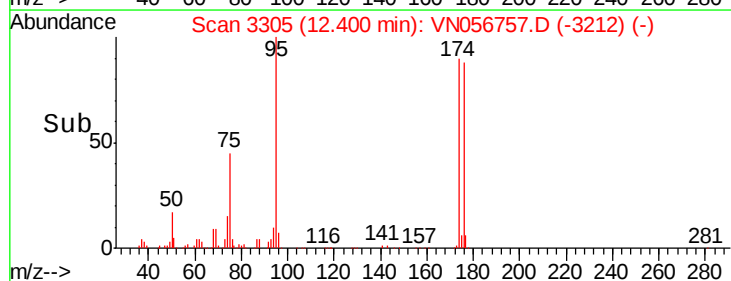
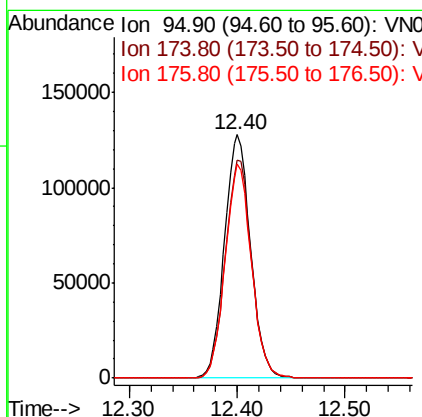
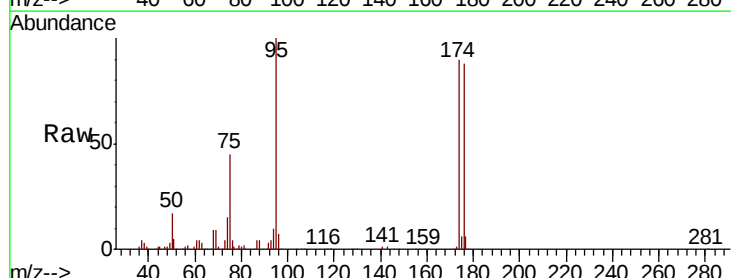
Instrument :
MSVOA_N
ClientSampleId :
LA119SW005-SW-190712

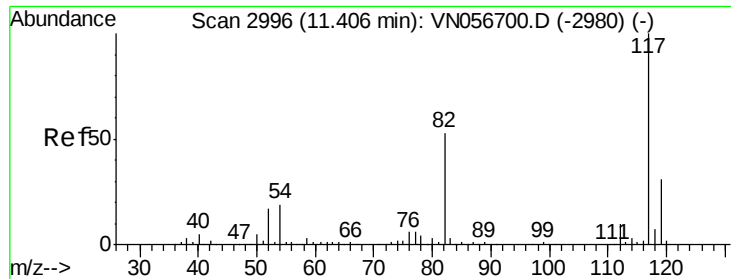
Tot Ion: 43 Resp: 2013
Ion Ratio Lower Upper
43 100
58 26.4 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 55.157 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056757.D
Acq: 16 Jul 2019 10:43

Tgt Ion: 95 Resp: 215610
Ion Ratio Lower Upper
95 100
174 90.3 0.0 180.0
176 88.1 0.0 173.2

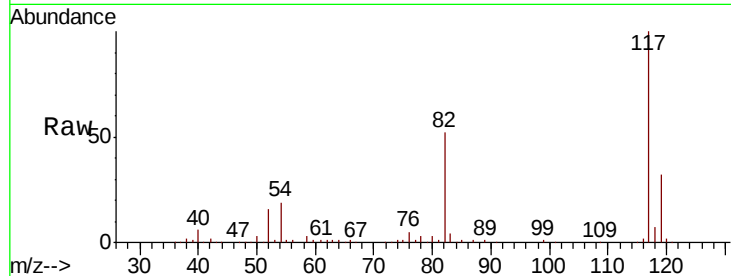




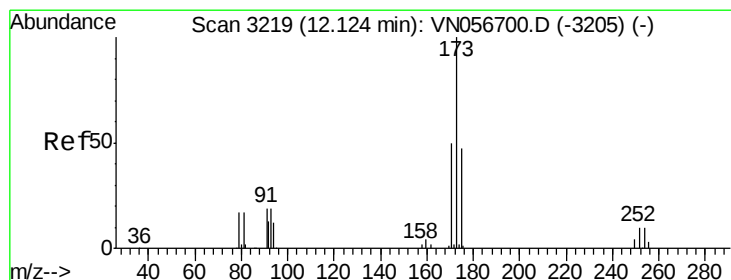
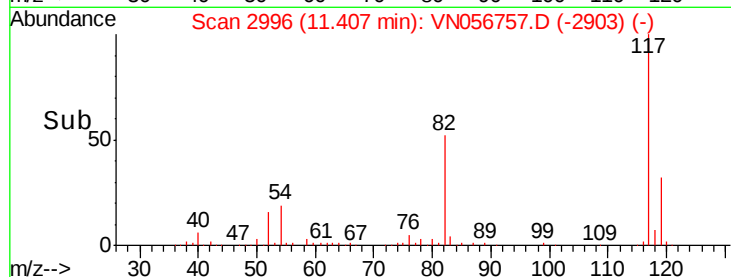
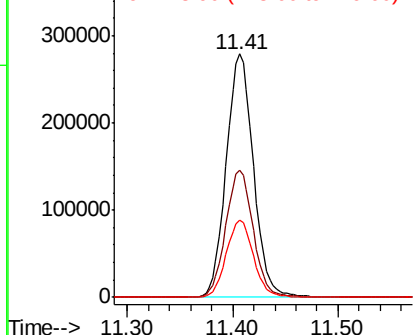
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056757.D
Acq: 16 Jul 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
LA119SW005-SW-190712

Tot Ion:117 Resp: 497881
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.2
119 31.7 25.2 37.8

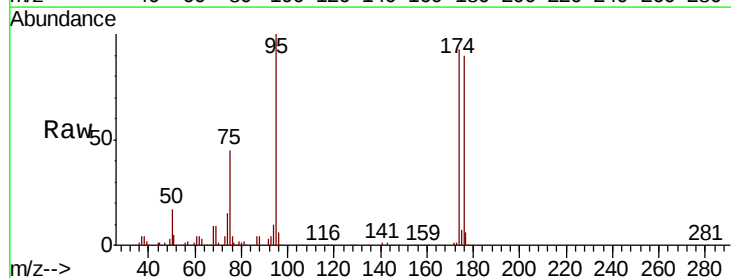


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

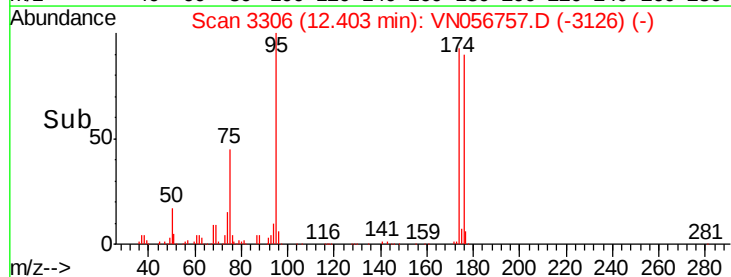
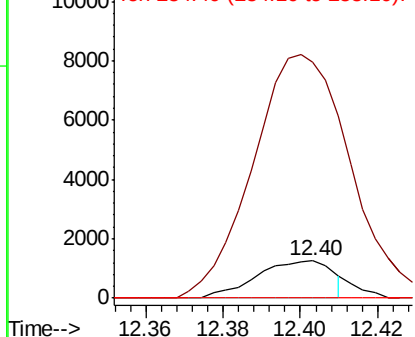


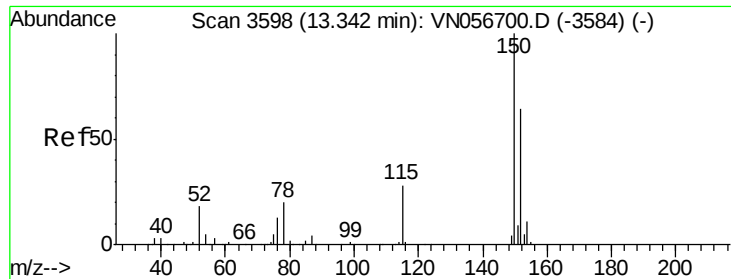
#71
Bromoform
Concen: 0.603 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056757.D
Acq: 16 Jul 2019 10:43

Tgt Ion:173 Resp: 1719
Ion Ratio Lower Upper
173 100
175 694.1 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: VN056757.D

Acq: 16 Jul 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

LA119SW005-SW-190712

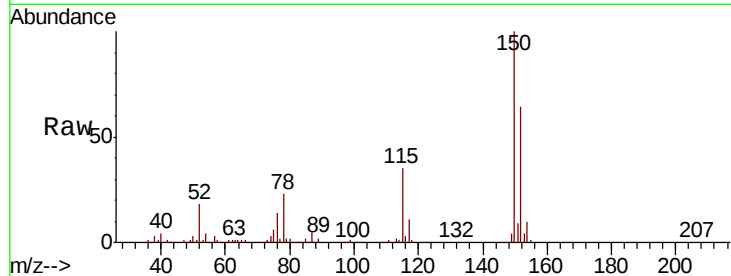
Tot Ion:152 Resp: 179338

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

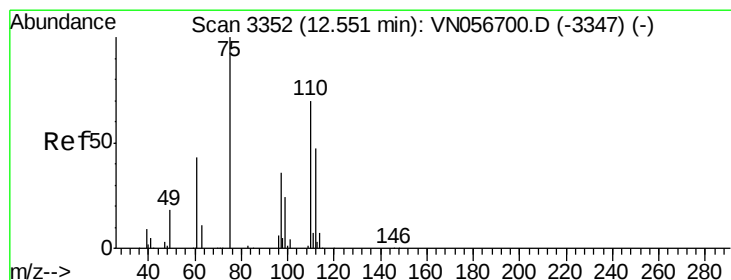
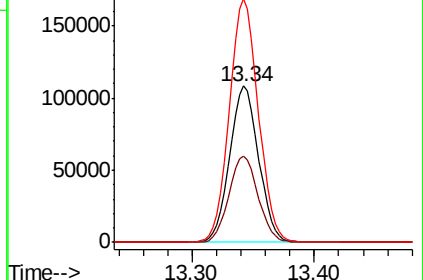
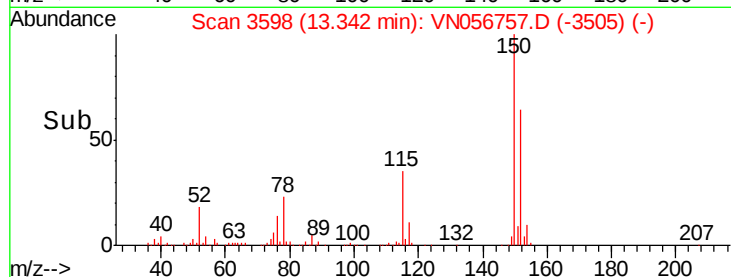
150 155.9 0.0 345.8



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: 25.308 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056757.D

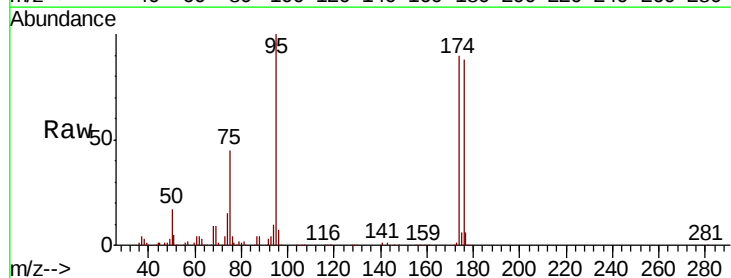
Acq: 16 Jul 2019 10:43

Tgt Ion: 75 Resp: 99268

Ion Ratio Lower Upper

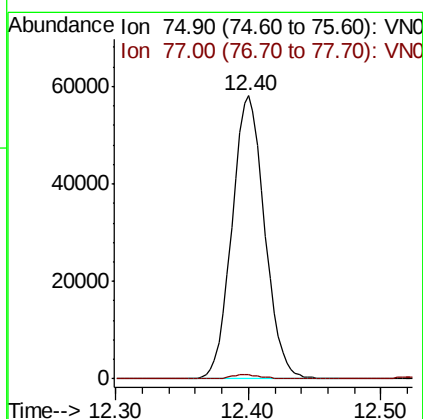
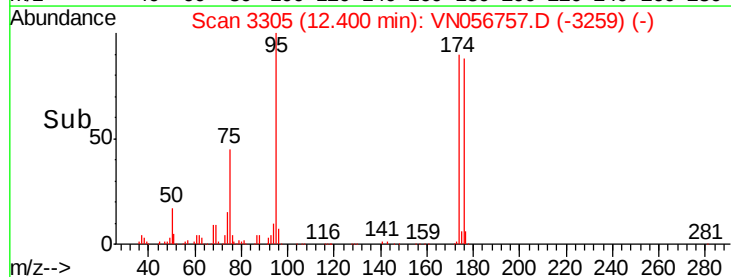
75 100

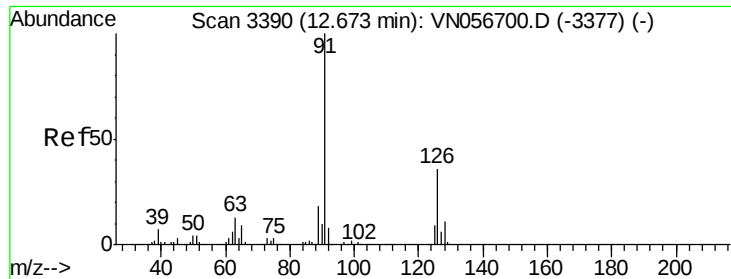
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

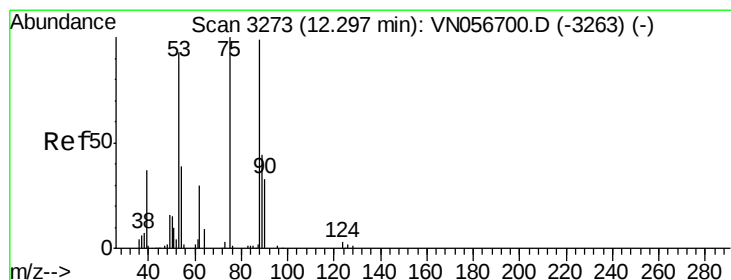
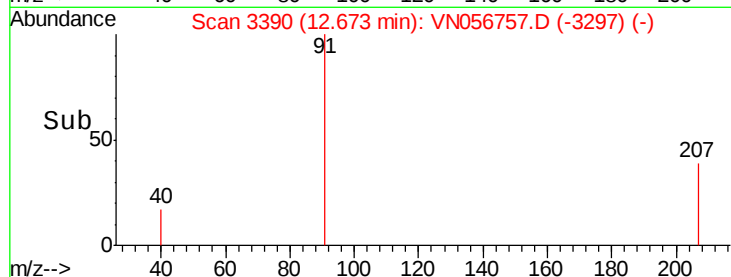
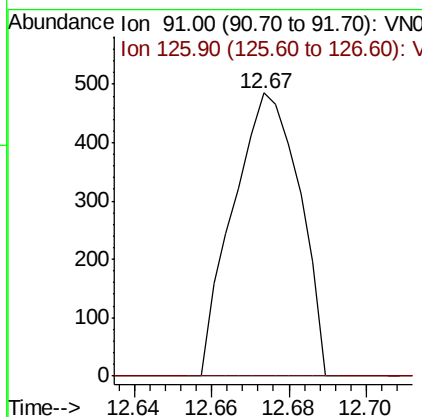
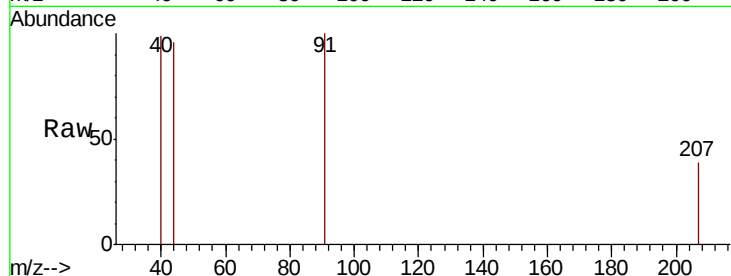




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056757.D
 Acq: 16 Jul 2019 10:43

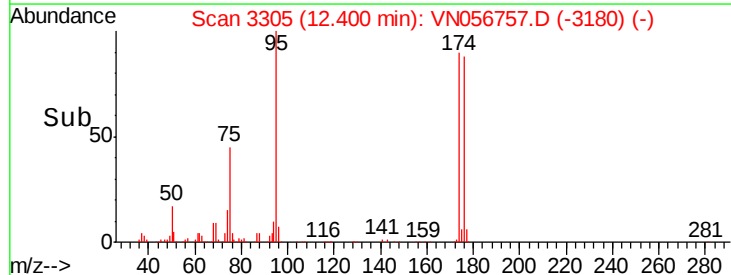
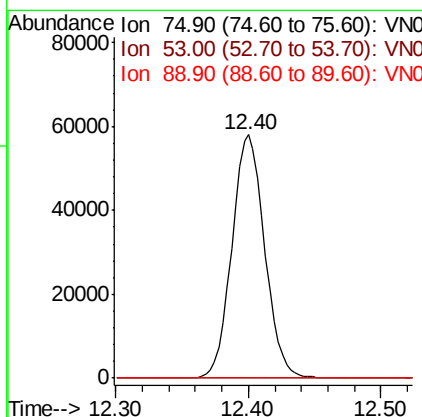
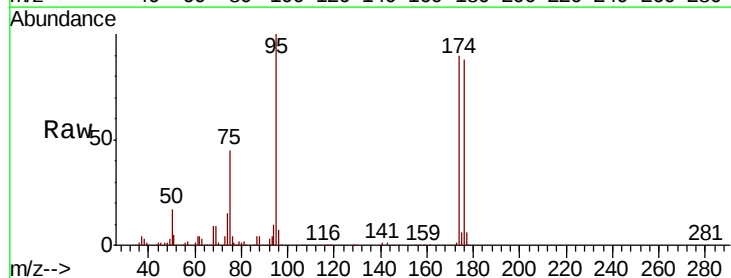
Instrument :
 MSVOA_N
 ClientSampleId :
 LA119SW005-SW-190712

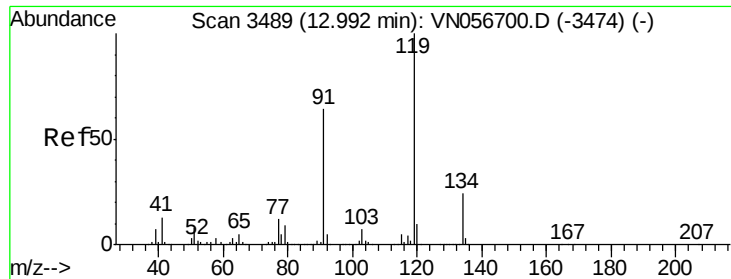
Tot Ion: 91 Resp: 577
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.159 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056757.D
 Acq: 16 Jul 2019 10:43

Tgt Ion: 75 Resp: 99268
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.7 110.5#
 89 0.0 36.2 54.2#

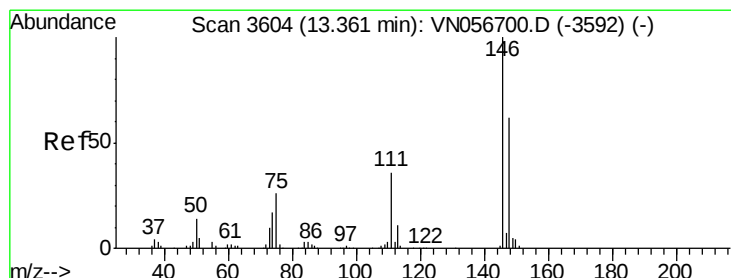
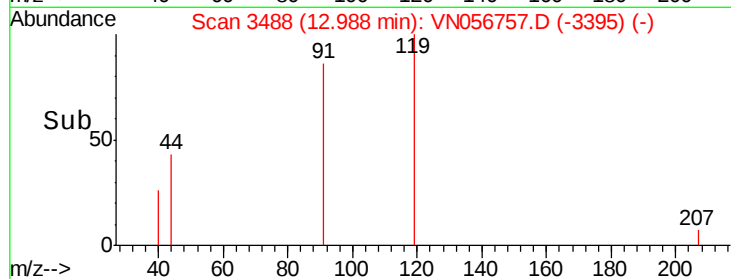
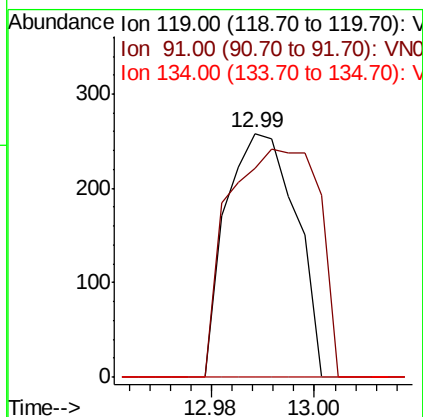
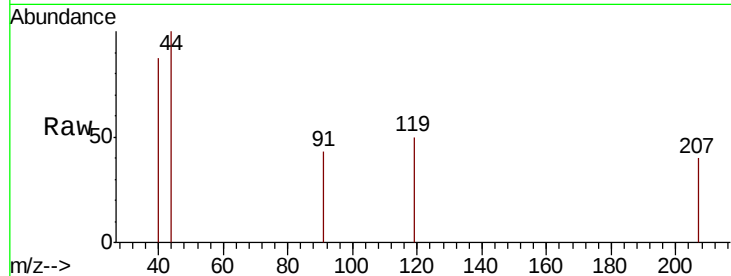




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN056757.D
Acq: 16 Jul 2019 10:43

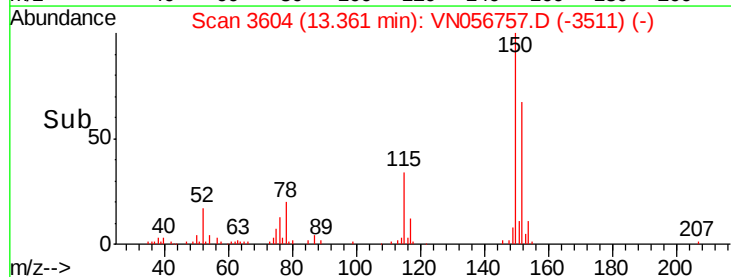
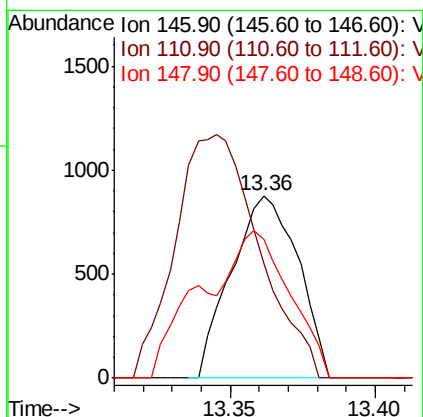
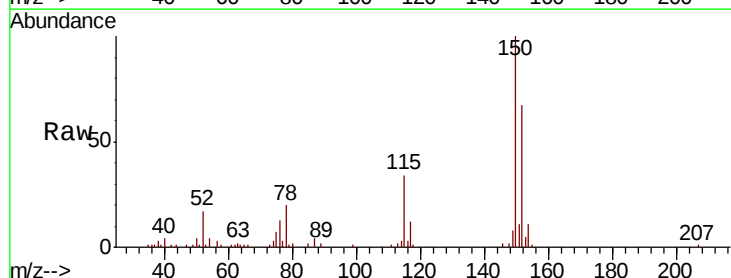
Instrument :
MSVOA_N
ClientSampleId :
LA119SW005-SW-190712

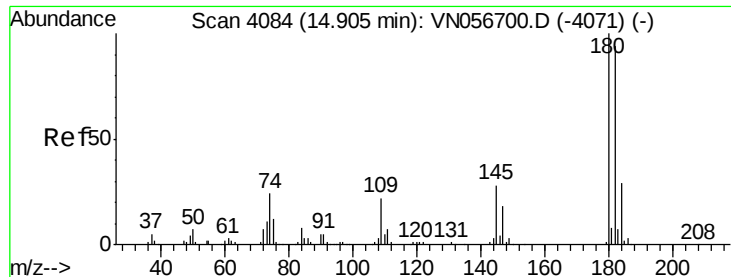
Tot Ion:119 Resp: 241
Ion Ratio Lower Upper
119 100
91 122.0 31.8 95.4#
134 0.0 13.0 38.9#



#88
1,4-Dichlorobenzene
Concen: 0.232 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN056757.D
Acq: 16 Jul 2019 10:43

Tgt Ion:146 Resp: 1401
Ion Ratio Lower Upper
146 100
111 0.0 18.6 55.8#
148 71.9 31.9 95.7

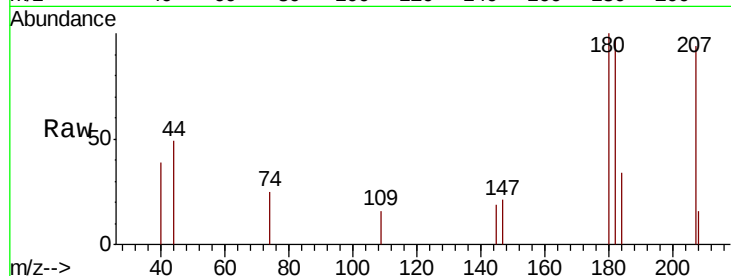




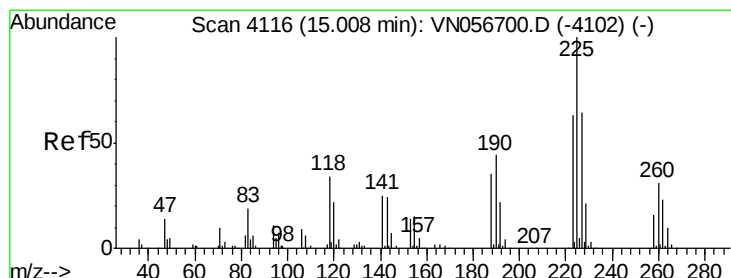
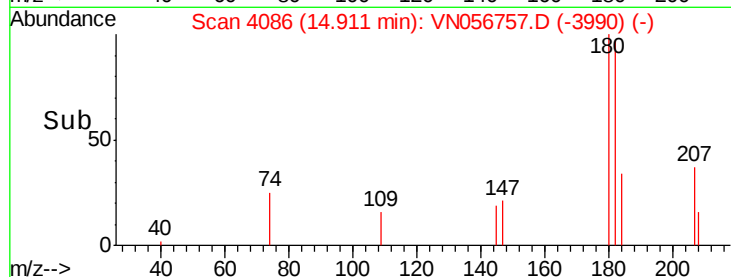
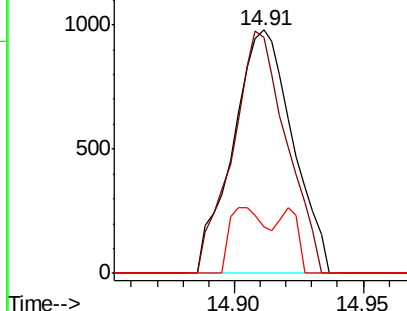
#93
 1,2,4-Trichlorobenzene
 Concen: 4.109 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN056757.D
 Acq: 16 Jul 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 LA119SW005-SW-190712

Tot Ion:180 Resp: 1580
 Ion Ratio Lower Upper
 180 100
 182 89.8 47.2 141.6
 145 16.5 14.2 42.8

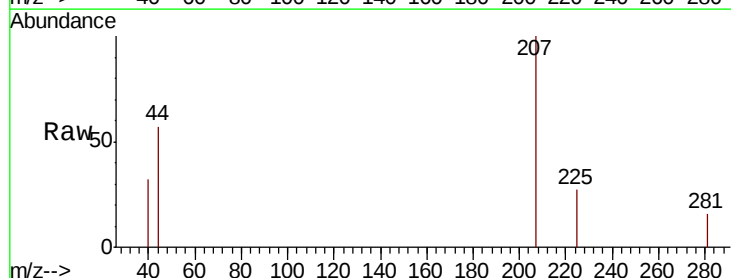


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

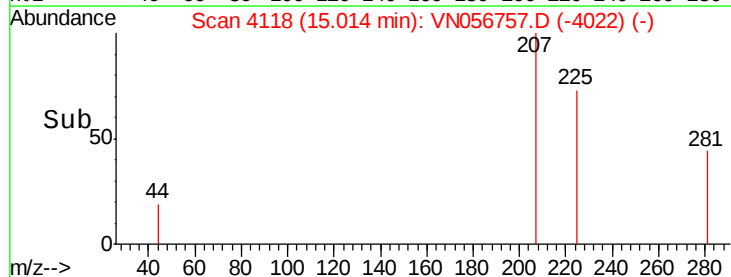
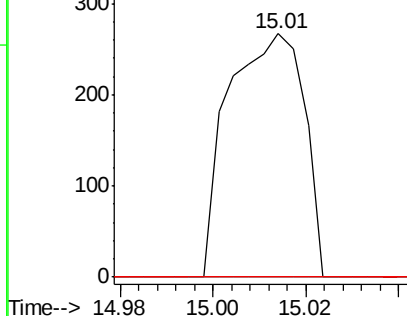


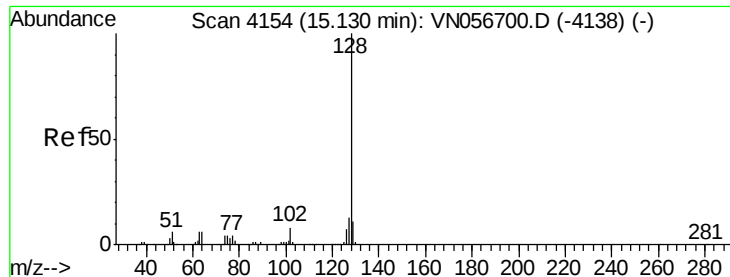
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.01 min
 Lab File: VN056757.D
 Acq: 16 Jul 2019 10:43

Tgt Ion:225 Resp: 302
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.5 94.5#
 227 0.0 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: 5.043 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056757.D

Acq: 16 Jul 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

LA119SW005-SW-190712

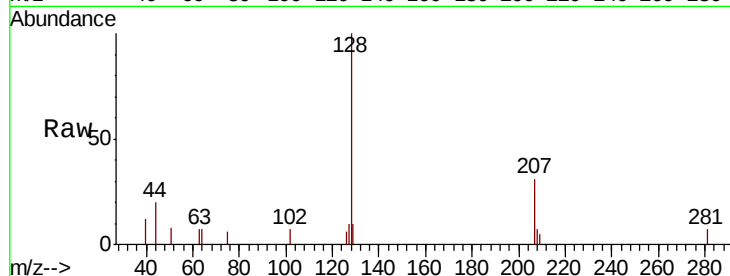
Tot Ion:128 Resp: 5470

Ion Ratio Lower Upper

128 100

127 9.7 10.3 15.5#

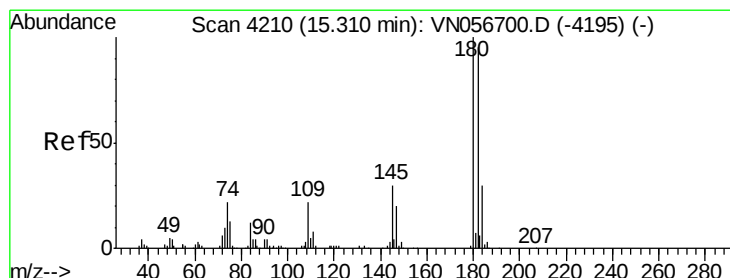
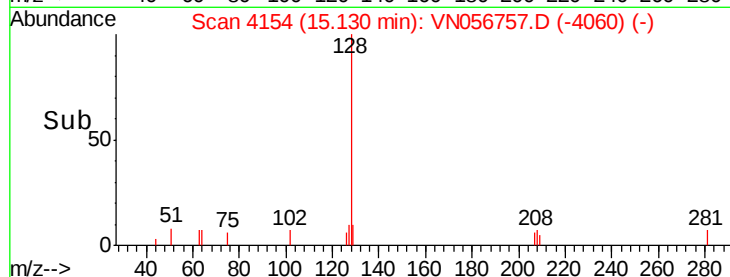
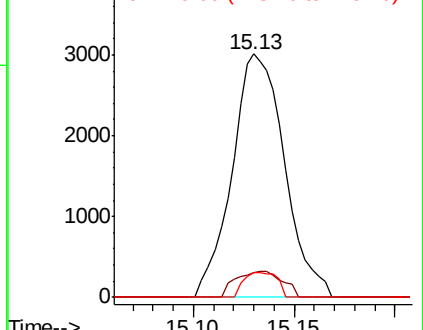
129 6.6 8.7 13.1#



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: 3.911 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056757.D

Acq: 16 Jul 2019 10:43

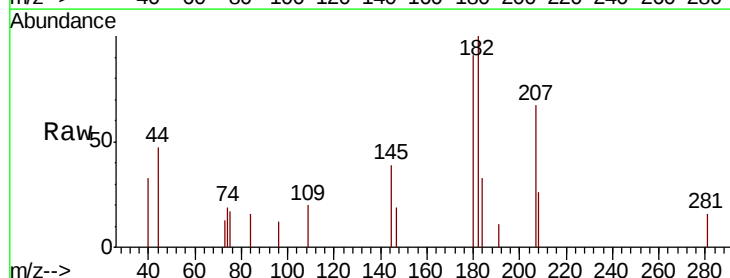
Tgt Ion:180 Resp: 2190

Ion Ratio Lower Upper

180 100

182 106.6 47.1 141.3

145 35.3 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

